

TPS7H3014-SEP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the Texas Instruments TPS7H3014-SEP. The TPS7H3014-SEP device shows a strong degree of hardness to neutron irradiation up to fluence level 1×10^{13} n/cm².

The neutron irradiation test is a destructive test. Test procedure follows MIL-STD-883 method 1017 as guidance. The purpose of this test is to determine the device susceptibility to non-ionizing energy loss (NIEL) degradation. Objectives of the test are, to detect and measure the degradation of critical device parameters as a function of neutron fluence and to determine if these parameters are within specified limits after exposure to a specified level of neutron fluence.

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1 Device Information

1.1 Product Description

The TPS7H3014-SEP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply sequencer. Channel count can be expanded by connecting multiple devices in a daisy-chain configuration. The device provides sequence up and down control signals for integrated circuits (IC) with active high (*on*) inputs. In addition SEQ_DONE and PWRGD flags are provided to monitor the sequence and power status of the monitored power tree.

An accurate 599mV \pm 1% threshold voltage and a 24 μ A \pm 3% hysteresis current provide programmable rise and fall monitoring voltages. The rise and fall delay time is globally programmed through a single resistor. A time-to-regulation timer is provided to track the rising voltage on SENSEx.

In addition to these features, a FAULT detection pin is incorporated to monitor internally generated faults and provide increased system level reliability for power sequencing space applications.

The TPS7H3014-SEP is packaged in a 24-pin TSSOP (thin-shrink small outline package) package.

1.2 Device Details

Table 1-1 lists the device information used in the initial NDD characterization.

Table 1-1. Device and Exposure Details

NDD Exposure Details	
TI Device	TPS7H3014-SEP
TI Part Name	TPS7H3014MPWTSEP
Package	24-pin TSSOP (PW)
Technology	LBC7
Assembly Lot Number / LTC	5160490MLS / 53AL76K
Quantity Tested	12 + 2 correlation units
Exposure Facility	Fast Neutron Irradiation (FNI) Facility of University of Massachusetts Lowell Research Reactor (UMLRR)
Neutron Fluence (1-MeV equivalent) Level	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Ambient room temperature (25°C)

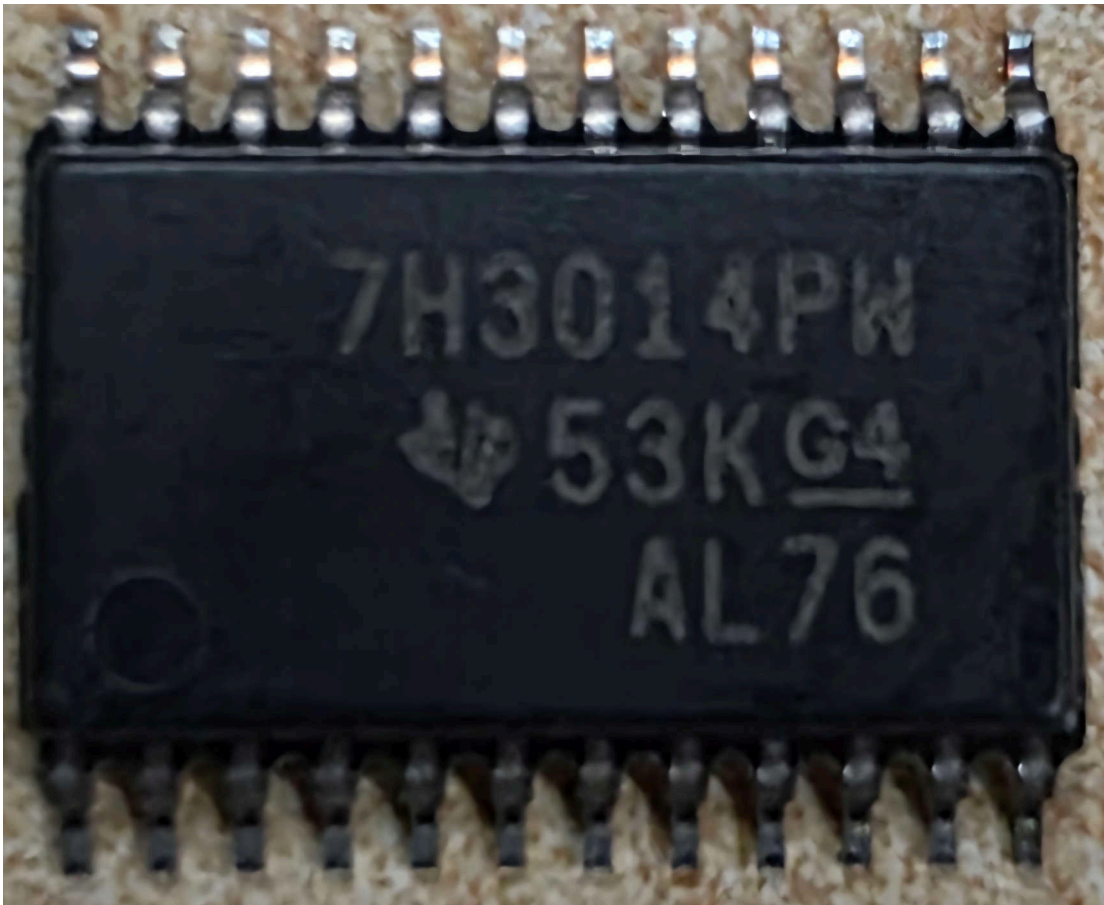


Figure 1-1. TPS7H3014-SEP Device

2 Total Dose Test Setup

2.1 Test Overview

General test procedures adhere to MIL-STD-883, Method 1017 as a guide for neutron irradiation. TPS7H3014-SEP device was electrically tested using the production automated test equipment (ATE) program at an ambient room temperature of 25°C before and after neutron irradiation.

2.2 Test Facilities

The utilized test facility is the Fast Neutron Irradiation (FNI) Facility of University of Massachusetts Lowell Research Reactor. The neutron fluence for this irradiation was measured using ASTM E-265 Measuring Reaction Rates and Fast Neutron Fluence by Radioactivation of Sulfur-32 and correlated to the measured reactor power level. All irradiation conditions required under ASTM 722 were met, this includes: neutron fluence, distribution, and uncertainty. The Average Integrated Neutron Fluence, 1-MeV(Si) equivalent, reflects these factors. Detailed information of the radiation facility is available at the following link:

[UNIVERSITY OF MASSACHUSETTS LOWELL RESEARCH REACTOR](#)

2.3 Test Setup Details

Devices were irradiated at three fluence levels in unbiased conditions: 1.0×10^{12} n/cm², 5.0×10^{12} n/cm² and 1.0×10^{13} n/cm². See the details in the following table

2.3.1 Test Configuration and Condition

Table 2-1. Neutron Irradiation Conditions

GROUP	SAMPLE QTY	NEUTRON FLUENCE (n/cm ²)	BIAS
A	4	1.0×10^{12}	Unbias
B	4	5.0×10^{12}	Unbias
C	4	1.0×10^{13}	Unbias
Correlation Units	2	N/A	N/A

3 NDD Characterization Test Results

3.1 NDD Characterization Summary

The results show that all devices were fully functional and within specification limits. A sample size of twelve units was exposed for neutron irradiation and an additional unirradiated control units were used as correlation. Overall, the TPS7H3014-SEP showed a strong degree of hardness to Neutron irradiation up to fluence level 1×10^{13} n/cm². The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each fluence level. The parameters that showed a greater degree of change between pre- and post- irradiation were still within the Electrical Performance Characteristics specified in the Data Sheet Electrical Parameters table. See Table 3-1 for the Data Sheet Electrical Parameters and Associated Tests. Electrical testing is done for pre- and post- neutron irradiation by ATE. ATE electrical test is done at an ambient room temperature of 25°C. See Appendix A for NDD report up to 1.0×10^{13} n/cm².

The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H3014-SP and TPS7H3014-SEP Radiation-Hardened, 14V, 4-Channel Sequencer](#) data sheet for the data sheet electrical parameters and associated tests.

See Appendix A for NDD report up to 1×10^{13} n/cm².

3.2 Specification Compliance Matrix

3.2.1 Electrical Characteristics

Table 3-1. Electrical Characteristics

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
SUPPLY VOLTAGES AND CURRENTS							
V_{IN} quiescent current	In waiting to sequence up and down states with all outputs floating.	1, 2, 3		2.5	4	mA	15.1 and 15.2
V_{IN} rising undervoltage lockout		1, 2, 3	2.72	2.79	2.84	V	15.128
V_{IN} falling undervoltage lockout		1, 2, 3	2.59	2.64	2.69		15.129
Internal linear regulator output voltage	$5V \leq V_{IN} \leq 14V$	1, 2, 3	3.19	3.29	3.38	V	15.7
	$V_{IN} < 3.24V$		97%	99%		$\times V_{IN}$	15.6
Internal bandgap voltage		1, 2, 3	1.188	1.2	1.212		15.8 and 15.9
Power on reset voltage	$1.6V \leq V_{PULL_UPx} \leq 7V$, $V_{OL} \leq 320mV$ with $I_{ENx} = -2mA$			1.41	2	V	15.130, 15.131, 15.132, 15.133, 15.134, 15.135, 15.136, 15.137, 15.138, 15.139, 15.140, 15.141
Power on reset voltage	$V_{IN} = 0V$, $V_{OL} \leq 320mV$ with $I_{ENx} = -100\mu A$			0.89	1.4		15.142, 15.143, 15.144, 15.145, 15.146, 15.147
SENSE1 TO SENSE4, UP AND DOWN COMPARATOR INPUTS							
Threshold voltage at SENSEx		1, 2, 3	593	599	605	mV	19.3, 19.4, 19.5, 19.6, 19.7, 19.8, 19.9, 19.10, 19.14, 19.15, 19.16, 19.17, 19.18, 19.19, 19.20, 19.21, 19.25, 19.26, 19.27, 19.28, 19.29, 19.30, 19.31, 19.32, 19.36, 19.37, 19.38, 19.39, 19.40, 19.41, 19.42, 19.43
SENSEx hysteresis current	$V_{SENSEx} = 700mV$	1, 2, 3	23.28	24	24.72	μA	15.24, 15.25, 15.26, 15.27, 15.28, 15.29, 15.30, 15.31
Input leakage current at SENSEx	$V_{SENSEx} = 500mV$	1, 2, 3		2	100	nA	15.13, 15.14, 15.15, 15.16, 15.20, 15.21, 15.22, 15.23
Rising threshold voltage at UP	V_{UP} rising to 1V	1, 2, 3	580	598	615	mV	19.1, 19.12, 19.23, 19.34
Falling threshold voltage at DOWN	V_{DOWN} falling from 1V	1, 2, 3	483	498	512	mV	19.2, 19.13, 19.24, 19.35
UP and DOWN hysteresis voltage		1, 2, 3		100		mV	19.11, 19.22, 19.33, 19.44
Input leakage current at UP and DOWN	$V_{UP} = V_{DOWN} = 500mV$	1, 2, 3		2	100	nA	15.11, 15.12, 15.18, 15.19
Channel 2, 3, 4 turn off voltage		1, 2, 3	87%	89%	91%	$\times VLDO$	15.148, 15.149, 15.150
EN1 TO EN4, SEQ_DONE AND PWRGD PUSH PULL OUTPUTS							
Low-level ENx output voltage	$1.6V \leq V_{PULL_UP1} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			10%	15.56, 15.57, 15.58, 15.59, 15.62, 15.63, 15.64, 15.65, 15.68, 15.69, 15.70, 15.71, 15.74, 15.75, 15.76, 15.77
		$I_{LOAD} = -10mA$	1, 2, 3			25%	15.104, 15.105, 15.106, 15.107, 15.110, 15.111, 15.112, 15.113, 15.116, 15.117, 15.118, 15.119, 15.122, 15.123, 15.124, 15.125
High-level ENx output voltage	$1.6V \leq V_{PULL_UP1} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	90%			15.32, 15.33, 15.34, 15.35, 15.38, 15.39, 15.40, 15.41, 15.44, 15.45, 15.46, 15.47, 15.50, 15.51, 15.52, 15.53
		$I_{LOAD} = 10mA$	1, 2, 3	70%			15.80, 15.81, 15.82, 15.83, 15.86, 15.87, 15.88, 15.89, 15.92, 15.93, 15.94, 15.95, 15.98, 15.99, 15.100, 15.101
Low-level SEQ_DONE output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			10%	15.60, 15.66, 15.72, 15.78
		$I_{LOAD} = -10mA$	1, 2, 3			25%	15.108, 15.114, 15.120, 15.126
High-level SEQ_DONE output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	90%			15.36, 15.42, 15.48, 15.54
		$I_{LOAD} = 10mA$	1, 2, 3	70%			15.84, 15.90, 15.96, 15.102
Low-level PWRGD output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			10%	15.61, 15.67, 15.73, 15.79
		$I_{LOAD} = -10mA$	1, 2, 3			25%	15.109, 15.115, 15.121, 15.127
High-level PWRGD output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	90%			15.37, 15.43, 15.49, 15.55
		$I_{LOAD} = 10mA$	1, 2, 3	70%			15.85, 15.91, 15.97, 15.103

Table 3-1. Electrical Characteristics (continued)

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number	
PULL_UPx leakage current	$V_{PULL_UPx} = 7V$	1, 2, 3		48	121	μA	15.152, 15.153, 15.154, 15.155	
Enable rising output voltage slew rate	10% to 90% of V_{PULL_UP1} , $R_{LOAD} = 50k\Omega$, $C_{LOAD} = 100pF$	$1.6V \leq V_{PULL_UP1} \leq 7V$	9, 10, 11	17	125	$V/\mu s$	16.1, 16.2, 16.3, 16.4, 16.13, 16.14, 16.15, 16.16, 16.25, 16.26, 16.27, 16.28, 16.37, 16.38, 16.39, 16.40	
SEQ_DONE rising output voltage slew rate	10% to 90% of V_{PULL_UP2} , $R_{LOAD} = 50k\Omega$, $C_{LOAD} = 100pF$	$1.6V \leq V_{PULL_UP2} \leq 7V$	9, 10, 11	17	125		16.6, 16.18, 16.30, 16.42	
PWRGD rising output voltage slew rate			9, 10, 11	17	125		16.5, 16.17, 16.29, 16.41	
Enable falling output voltage slew rate	90% to 10% of V_{PULL_UP1} , $R_{LOAD} = 50k\Omega$, $C_{LOAD} = 100pF$	$1.6V \leq V_{PULL_UP1} \leq 7V$	9, 10, 11	44	126		16.7, 16.8, 16.9, 16.10, 16.19, 16.20, 16.21, 16.22, 16.31, 16.32, 16.33, 16.34, 16.43, 16.44, 16.45, 16.46	
SEQ_DONE falling output voltage slew rate		$1.6V \leq V_{PULL_UP2} \leq 7V$	9, 10, 11	44	126		16.12, 16.24, 16.36, 16.48	
PWRGD falling output voltage slew rate			9, 10, 11	44	126		16.11, 16.23, 16.35, 16.47	
EN PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP1} \leq 3.3V$	1, 2, 3		18		40	20.1, 20.2, 20.3, 20.4, 20.7, 20.8, 20.9, 20.10
		$3.3V \leq V_{PULL_UP1} \leq 7V$	1, 2, 3		7	20	20.13, 20.14, 20.15, 20.16, 20.19, 20.20, 20.21, 20.22	
SEQ_DONE PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP2} \leq 3.3V$	1, 2, 3		18	40	20.6 and 20.12	
		$3.3V \leq V_{PULL_UP2} \leq 7V$	1, 2, 3		7	20	20.18 and 20.24	
PWRGD PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP2} \leq 3.3V$	1, 2, 3		18	40	20.5 and 20.11	
		$3.3V \leq V_{PULL_UP2} \leq 7V$	1, 2, 3		7	20	20.17 and 20.23	
EN NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		7	28	20.25, 20.26, 20.27, 20.28, 20.31, 20.32, 20.33, 20.34, 20.37, 20.38, 20.39, 20.40, 20.43, 20.44, 20.45, 20.46	
SEQ_DONE NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		7	28	20.30, 20.36, 20.42, 20.48	
PWRGD NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		7	28	20.29, 20.35, 20.41, 20.47	
FAULT OUTPUT								
FAULT pull down resistance	$I_{FAULT} = 100\mu A$		1, 2, 3		131	512	Ω	20.49 and 20.50
FAULT leakage current	$V_{FAULT} = 7V$		1, 2, 3		23	600	nA	15.10 and 15.17
DELAY AND TIME TO REGULATION TIMERS								

Table 3-1. Electrical Characteristics (continued)

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
Delay time	$R_{DLY_TMR} = 10.5k\Omega$	1, 2, 3	0.205	0.268	0.342	ms	17.49, 17.50, 17.51, 17.52, 17.53, 17.54, 17.55, 17.56, 17.57, 17.58, 17.59, 17.80, 17.81, 17.82, 17.83, 17.84, 17.85, 17.86, 17.87, 17.88, 17.89, 17.90, 17.111, 17.112, 17.113, 17.114, 17.115, 17.116, 17.117, 17.118, 17.119, 17.120, 17.121, 17.142, 17.143, 17.144, 17.145, 17.146, 17.147, 17.148, 17.149, 17.150, 17.151, 17.152
	$R_{DLY_TMR} = 619k\Omega$	1, 2, 3	10.77	12.5	14.14		17.60, 17.61, 17.62, 17.63, 17.64, 17.65, 17.66, 17.67, 17.68, 17.69, 17.91, 17.92, 17.93, 17.94, 17.95, 17.96, 17.97, 17.98, 17.99, 17.100, 17.122, 17.123, 17.124, 17.125, 17.126, 17.127, 17.128, 17.129, 17.130, 17.131, 17.153, 17.154, 17.155, 17.156, 17.157, 17.158, 17.159, 17.160, 17.161, 17.162
	$R_{DLY_TMR} = 1.18M\Omega$	1, 2, 3	20	23.37	27.2		17.70, 17.71, 17.72, 17.73, 17.74, 17.75, 17.76, 17.77, 17.78, 17.79, 17.101, 17.102, 17.103, 17.104, 17.105, 17.106, 17.107, 17.108, 17.109, 17.110, 17.132, 17.133, 17.134, 17.135, 17.136, 17.137, 17.138, 17.139, 17.140, 17.141, 17.163, 17.164, 17.165, 17.166, 17.167, 17.168, 17.169, 17.170, 17.171, 17.172
Time to regulation	$R_{REG_TMR} = 10.5k\Omega$	1, 2, 3	0.197	0.264	0.34		18.1, 18.2, 18.3, 18.4, 18.13, 18.14, 18.15, 18.16, 18.25, 18.26, 18.27, 18.28, 18.37, 18.38, 18.39, 18.40
	$R_{REG_TMR} = 619k\Omega$	1, 2, 3	10.8	12.4	14.1		18.5, 18.6, 18.7, 18.8, 18.17, 18.18, 18.19, 18.20, 18.29, 18.30, 18.31, 18.32, 18.41, 18.42, 18.43, 18.44
	$R_{REG_TMR} = 1.18M\Omega$	1, 2, 3	20.3	23.63	27.2		18.9, 18.10, 18.11, 18.12, 18.21, 18.22, 18.23, 18.24, 18.33, 18.34, 18.35, 18.36, 18.45, 18.46, 18.47, 18.48

3.2.2 Timing Requirements

Table 3-2. Timing Requirements

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
Start-up delay time	$V_{REFCAP} \geq 1.1V$	1, 2, 3			2.8	ms	15.151
ENx propagation delay	DLY_TMR = Open, $V_{OVERDRIVE} = 10mV$, $V_{PULL_UPx} = 1.6V$, from 50% of IN to 50% OUT	1, 2, 3		3.4	6.5	μs	17.1, 17.2, 17.3, 17.4, 17.7, 17.8, 17.9, 17.10, 17.13, 17.14, 17.15, 17.16, 17.19, 17.20, 17.21, 17.22, 17.25, 17.26, 17.27, 17.28, 17.31, 17.32, 17.33, 17.34, 17.37, 17.38, 17.39, 17.40, 17.43, 17.44, 17.45, 17.46
SEQ_DONE propagation delay	DLY_TMR = Open, $V_{OVERDRIVE} = 10mV$	1, 2, 3		3.4	6.5		17.5, 17.11, 17.17, 17.23, 17.29, 17.35, 17.41, 17.47
PWRGD propagation delay	DLY_TMR = Open, $V_{OVERDRIVE} = 10mV$	1, 2, 3		3.4	6.5		17.6, 17.12, 17.18, 17.24, 17.30, 17.36, 17.42, 17.48
State machine fault propagation delay	Out of order fault	1, 2, 3		3.4	4.3		24.1 and 24.2
V_{UP} rising minimum time for valid UP		4, 5, 6		0.27	0.7		23.1 and 23.2
V_{DOWN} rising minimum time for valid DOWN		4, 5, 6		0.42	0.9	23.3 and 23.4	
Rising threshold on VSENSEx hold time		4, 5, 6		0.84	1.6	μs	22.1, 22.2, 22.3, 22.4, 22.5, 22.6, 22.7, 22.8
Falling threshold on VSENSEx hold time		4, 5, 6		0.35	1	μs	22.9, 22.10, 22.11, 22.12, 22.13, 22.14, 22.15, 22.16

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H3014-SP and TPS7H3014-SEP Radiation-Hardened, 14V, 4-Channel Sequencer](#), data sheet.
- Texas Instruments, [TPS7H3014EVM Evaluation Module](#), user's guide.
- Texas Instruments, [TPS7H3014-SEP Single-Event Effects \(SEE\)](#) radiation report.

4.2 Reference Documents

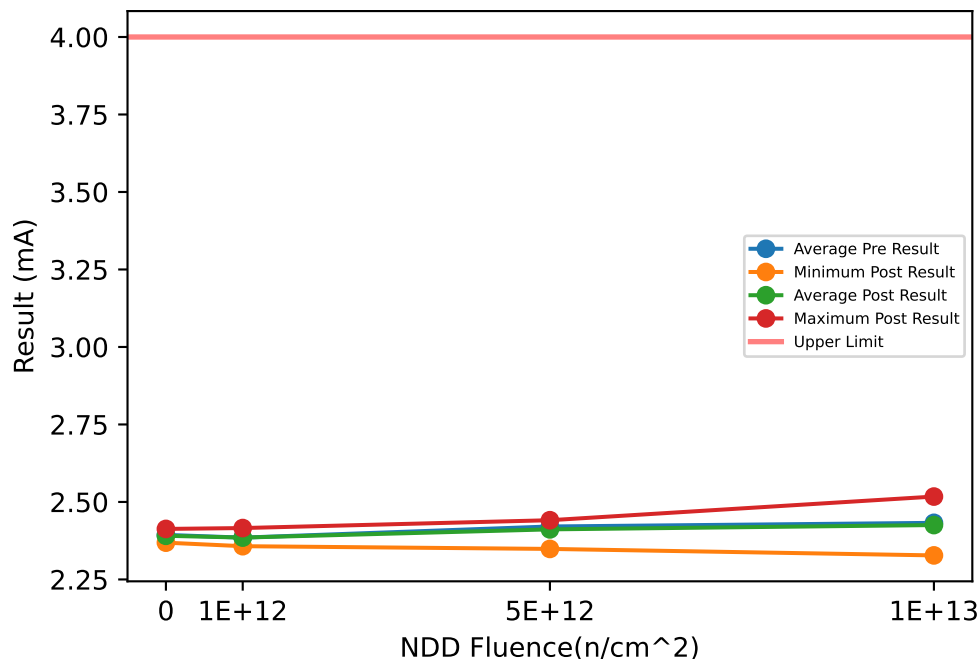
Texas Instruments neutron irradiation test follow the guideline from MIL-STD-883 TM 1017. The document is available in Defense Logistic Agency's website.

5 Appendix: NDD Report Data

This appendix contains the NDD report data.

Device Test: 15.1 IQ_SEQDOWN(IQ|QUIESCENT_CURRENT/IN//3/0/0/0/@IQ_SEQDOWN)

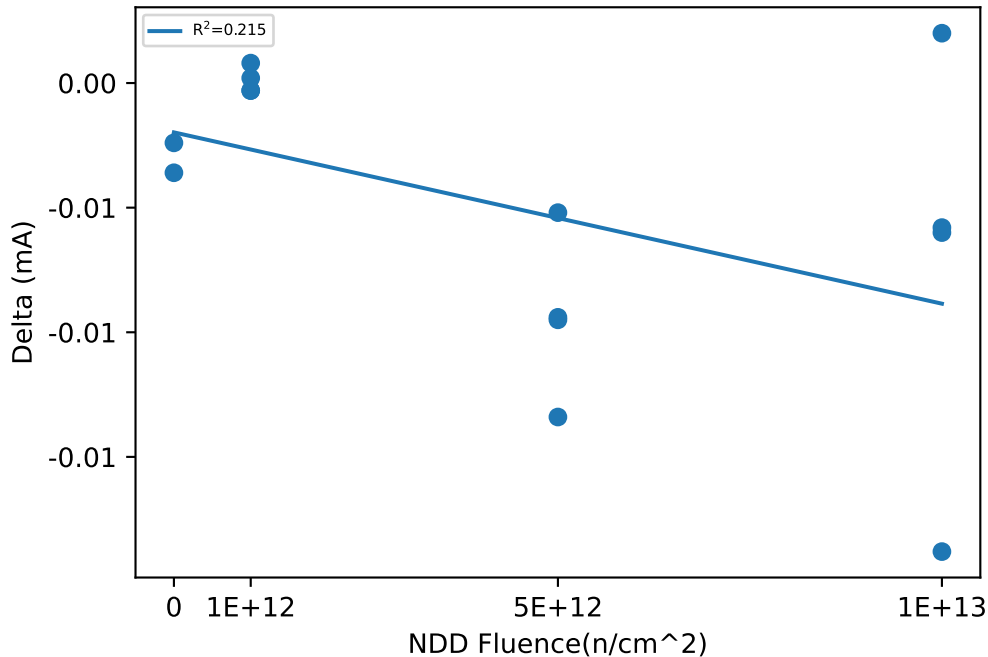
NDD vs Result Stats



Test Results (Upper Limit = 4.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.415	2.4158	0.0008
2	1e+12	NDD Unbiased	2.3876	2.3873	-0.0003
3	1e+12	NDD Unbiased	2.38	2.3797	-0.0003
4	1e+12	NDD Unbiased	2.3571	2.3573	0.0002
5	5e+12	NDD Unbiased	2.4545	2.4411	-0.0134
6	5e+12	NDD Unbiased	2.4431	2.4337	-0.0094
7	5e+12	NDD Unbiased	2.4324	2.4229	-0.0095
8	5e+12	NDD Unbiased	2.3537	2.3485	-0.0052
9	1e+13	NDD Unbiased	2.3336	2.3276	-0.006
10	1e+13	NDD Unbiased	2.4002	2.3814	-0.0188
11	1e+13	NDD Unbiased	2.4734	2.4754	0.002
12	1e+13	NDD Unbiased	2.5232	2.5174	-0.0058
53	0	Correlation	2.3723	2.3687	-0.0036
54	0	Correlation	2.4154	2.413	-0.0024

NDD vs Post - Pre Exposure Delta

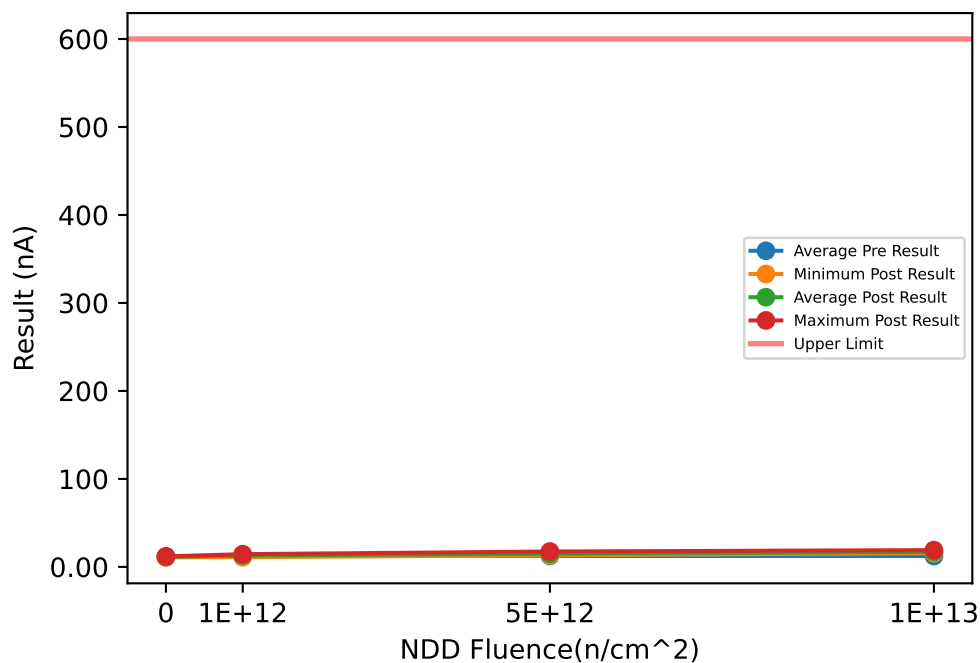


Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.3723	2.3939	2.4154	0.030476	2.3687	2.3908	2.413	0.031325	-0.0036	-0.003	-0.0024	0.00084853
1e+12	2.3571	2.3849	2.415	0.023876	2.3573	2.385	2.4158	0.024148	-0.0003	0.0001	0.0008	0.00052281
5e+12	2.3537	2.4209	2.4545	0.045716	2.3485	2.4116	2.4411	0.042693	-0.0134	-0.009375	-0.0052	0.003349
1e+13	2.3336	2.4326	2.5232	0.083114	2.3276	2.4255	2.5174	0.086535	-0.0188	-0.00715	0.002	0.0086137

Device Test: 15.10 SR_FAULT_ILKG(_LEAKAGE|SR_FAULT/ILKG_SR_FAULTb//3/0/0/0/@SR_FAULT_ILKG)

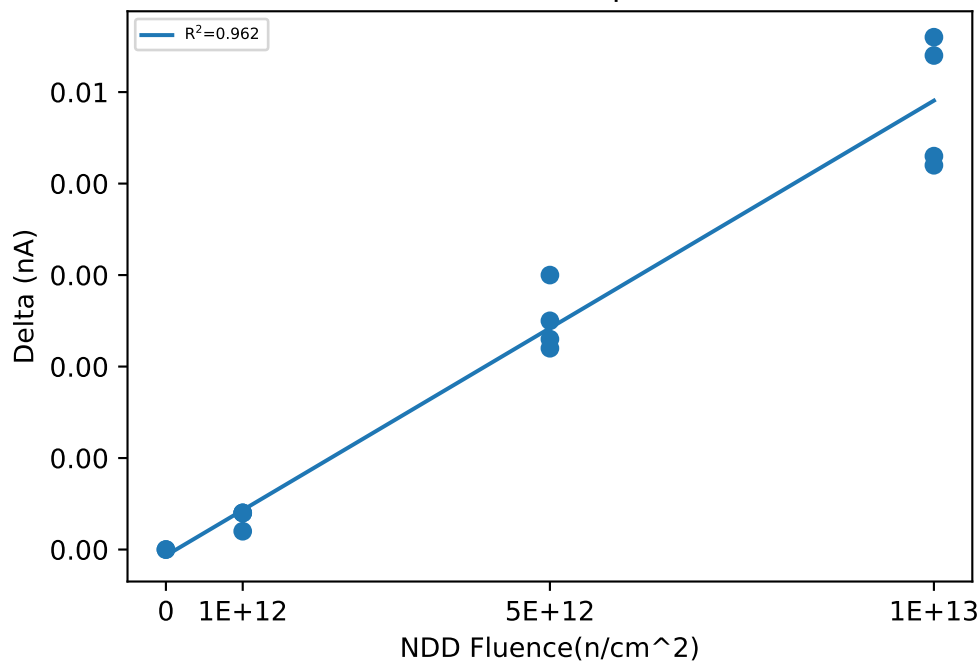
NDD vs Result Stats



Test Results (Upper Limit = 600.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.3	14.5	0.0002
2	1e+12	NDD Unbiased	13.1	13.5	0.0004
3	1e+12	NDD Unbiased	12.5	12.9	0.0004
4	1e+12	NDD Unbiased	10.6	11	0.0004
5	5e+12	NDD Unbiased	10.9	13.2	0.0023
6	5e+12	NDD Unbiased	11	13.2	0.0022
7	5e+12	NDD Unbiased	13.4	15.9	0.0025
8	5e+12	NDD Unbiased	14.5	17.5	0.003
9	1e+13	NDD Unbiased	12.9	18.3	0.0054
10	1e+13	NDD Unbiased	13.5	19.1	0.0056
11	1e+13	NDD Unbiased	11.5	15.8	0.0043
12	1e+13	NDD Unbiased	11.4	15.6	0.0042
53	0	Correlation	10.8	10.8	0
54	0	Correlation	12	12	0

NDD vs Post - Pre Exposure Delta

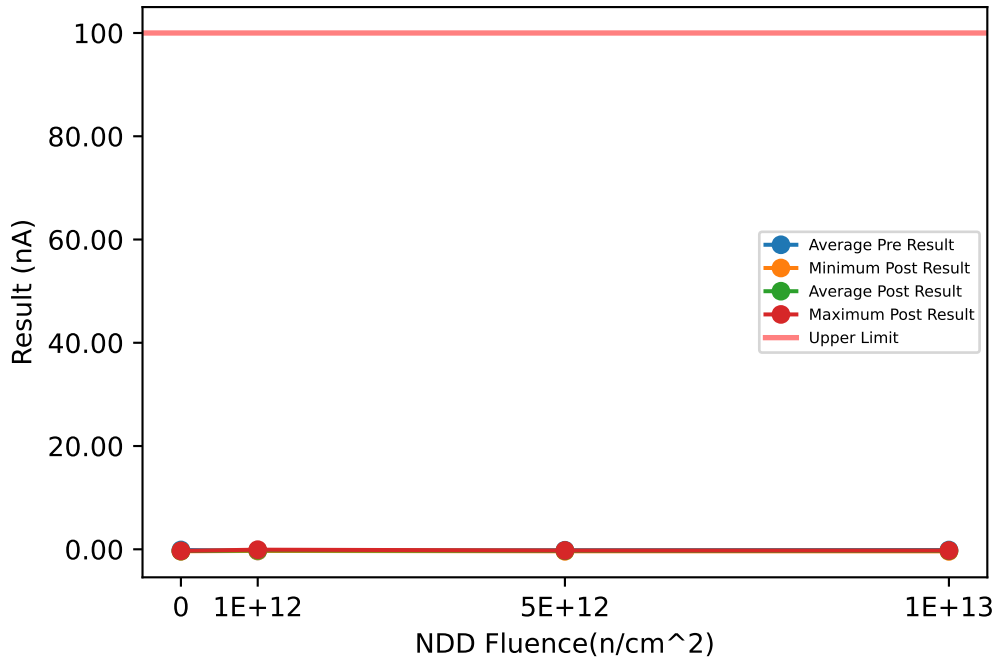


Test Statistics (nA)

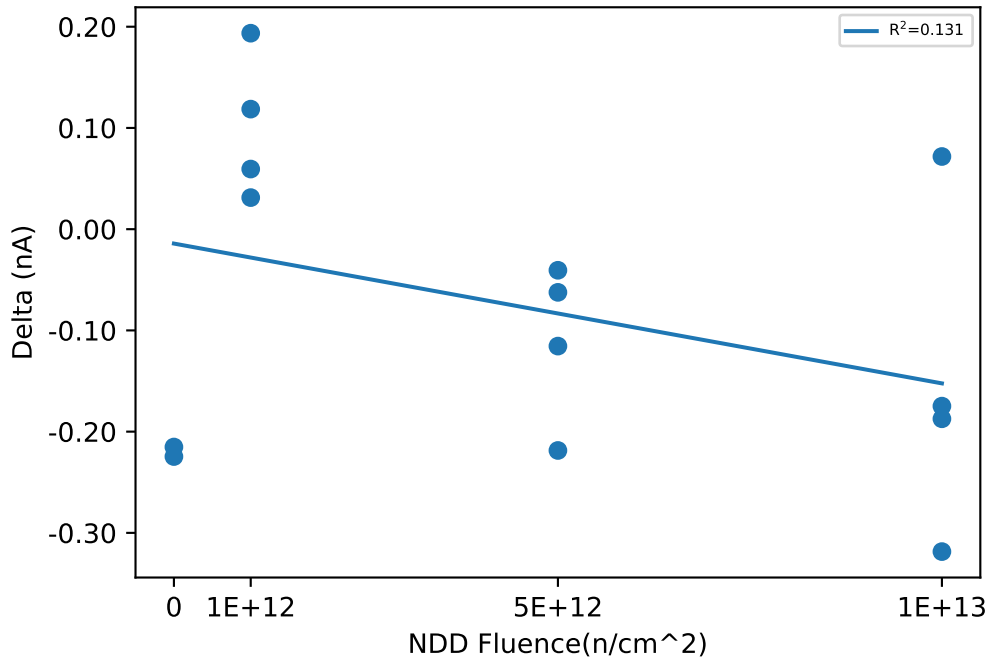
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.8	11.4	12	0.84853	10.8	11.4	12	0.84853	0	0	0	0
1e+12	10.6	12.625	14.3	1.5435	11	12.975	14.5	1.4728	0.0002	0.00035	0.0004	0.0001
5e+12	10.9	12.45	14.5	1.7898	13.2	14.95	17.5	2.1237	0.0022	0.0025	0.003	0.0003559
1e+13	11.4	12.325	13.5	1.0404	15.6	17.2	19.1	1.7645	0.0042	0.004875	0.0056	0.00072744

Device Test: 15.11 ILKG_UP_DOWN(_LEAKAGE|UP/UP//3/0/0/0/@ILKG_UP_DOWN)

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

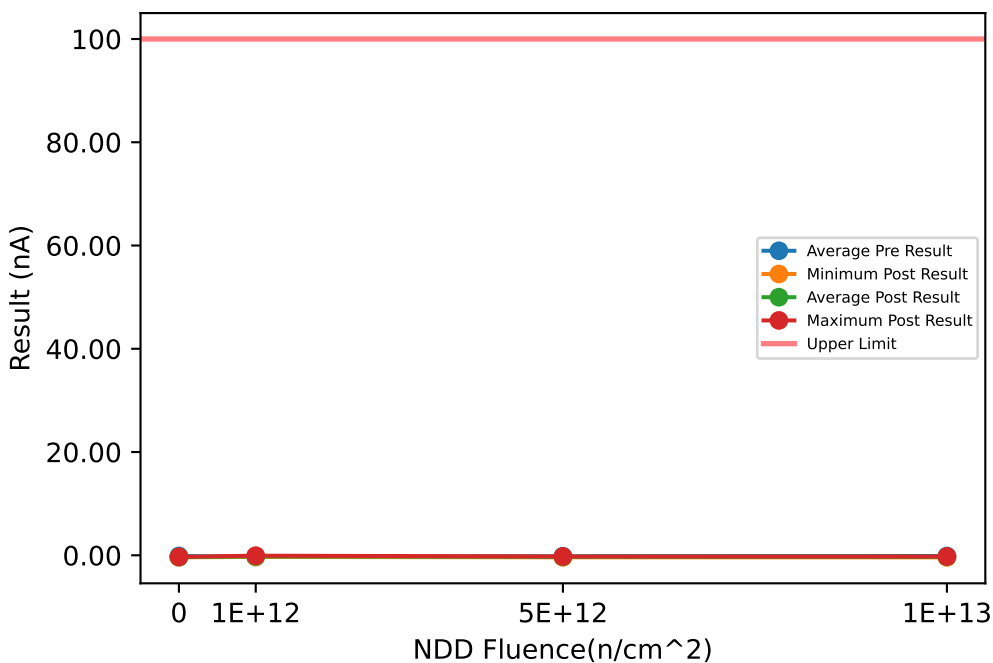
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.2425	-0.2113	0.0312
2	1e+12	NDD Unbiased	-0.3799	-0.3205	0.0594
3	1e+12	NDD Unbiased	-0.3642	-0.2456	0.1186
4	1e+12	NDD Unbiased	-0.2675	-0.0739	0.1936
5	5e+12	NDD Unbiased	-0.1769	-0.3955	-0.2186
6	5e+12	NDD Unbiased	-0.1145	-0.23	-0.1155
7	5e+12	NDD Unbiased	-0.2737	-0.3143	-0.0406
8	5e+12	NDD Unbiased	-0.1676	-0.23	-0.0624
9	1e+13	NDD Unbiased	-0.0895	-0.408	-0.3185
10	1e+13	NDD Unbiased	-0.0458	-0.2331	-0.1873
11	1e+13	NDD Unbiased	-0.3112	-0.2394	0.0718
12	1e+13	NDD Unbiased	-0.1051	-0.2799	-0.1748
53	0	Correlation	-0.0895	-0.3047	-0.2152
54	0	Correlation	-0.1644	-0.389	-0.2246

Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.1644	-0.12695	-0.0895	0.052962	-0.389	-0.34685	-0.3047	0.059609	-0.2246	-0.2199	-0.2152	0.0066468
1e+12	-0.3799	-0.31352	-0.2425	0.068645	-0.3205	-0.21282	-0.0739	0.10323	0.0312	0.1007	0.1936	0.071849
5e+12	-0.2737	-0.18318	-0.1145	0.066315	-0.3955	-0.29245	-0.23	0.079366	-0.2186	-0.10928	-0.0406	0.079381
1e+13	-0.3112	-0.1379	-0.0458	0.11823	-0.408	-0.2901	-0.2331	0.081289	-0.3185	-0.1522	0.0718	0.16286

Device Test: 15.12 ILKG_UP_DOWN(_LEAKAGE|DOWN/DOWNb//3/0/0/0/@ILKG_UP_DOWN)

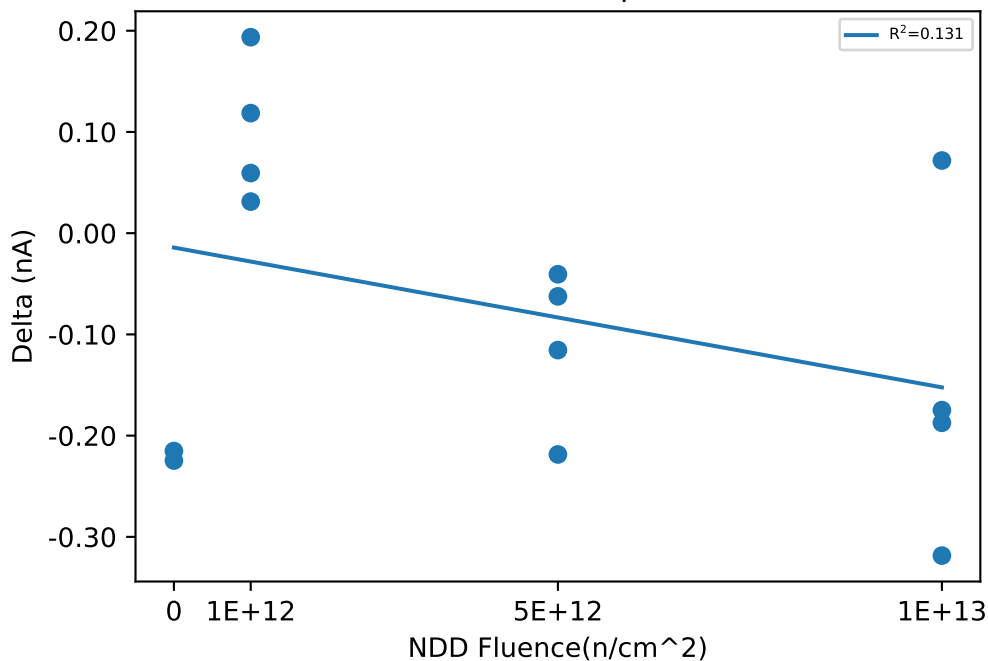
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.2425	-0.2113	0.0312
2	1e+12	NDD Unbiased	-0.3799	-0.3205	0.0594
3	1e+12	NDD Unbiased	-0.3642	-0.2456	0.1186
4	1e+12	NDD Unbiased	-0.2675	-0.0739	0.1936
5	5e+12	NDD Unbiased	-0.1769	-0.3955	-0.2186
6	5e+12	NDD Unbiased	-0.1145	-0.23	-0.1155
7	5e+12	NDD Unbiased	-0.2737	-0.3143	-0.0406
8	5e+12	NDD Unbiased	-0.1676	-0.23	-0.0624
9	1e+13	NDD Unbiased	-0.0895	-0.408	-0.3185
10	1e+13	NDD Unbiased	-0.0458	-0.2331	-0.1873
11	1e+13	NDD Unbiased	-0.3112	-0.2394	0.0718
12	1e+13	NDD Unbiased	-0.1051	-0.2799	-0.1748
53	0	Correlation	-0.0895	-0.3047	-0.2152
54	0	Correlation	-0.1644	-0.389	-0.2246

NDD vs Post - Pre Exposure Delta

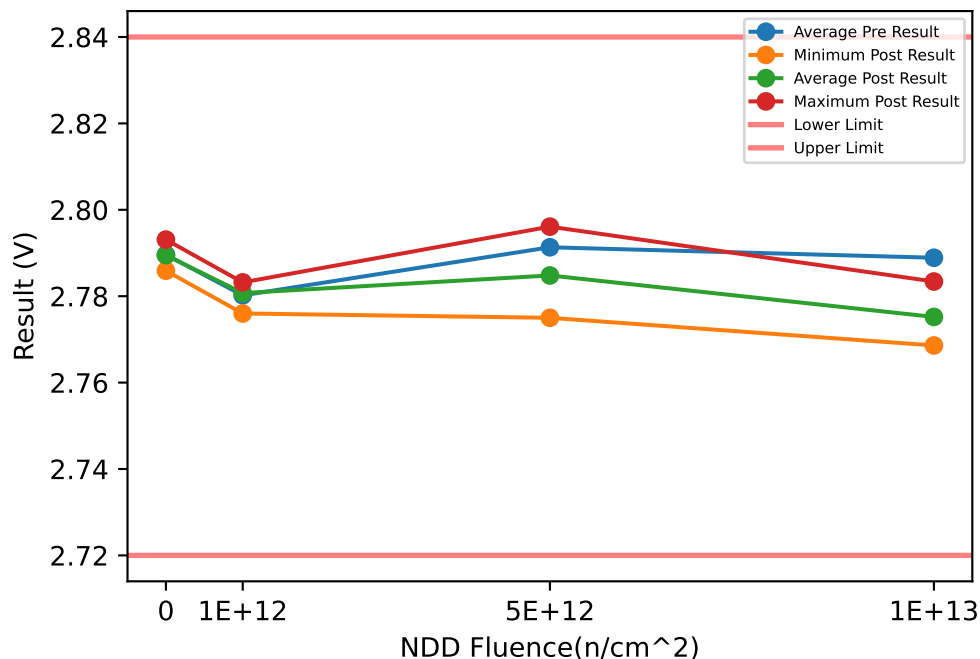


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.1644	-0.12695	-0.0895	0.052962	-0.389	-0.34685	-0.3047	0.059609	-0.2246	-0.2199	-0.2152	0.0066468
1e+12	-0.3799	-0.31352	-0.2425	0.068645	-0.3205	-0.21282	-0.0739	0.10323	0.0312	0.1007	0.1936	0.071849
5e+12	-0.2737	-0.18318	-0.1145	0.066315	-0.3955	-0.29245	-0.23	0.079366	-0.2186	-0.10928	-0.0406	0.079381
1e+13	-0.3112	-0.1379	-0.0458	0.11823	-0.408	-0.2901	-0.2331	0.081289	-0.3185	-0.1522	0.0718	0.16286

Device Test: 15.128 UVLO_RISE(_UVLO|RISE/IN///0/0/0/@UVLO_RISE)

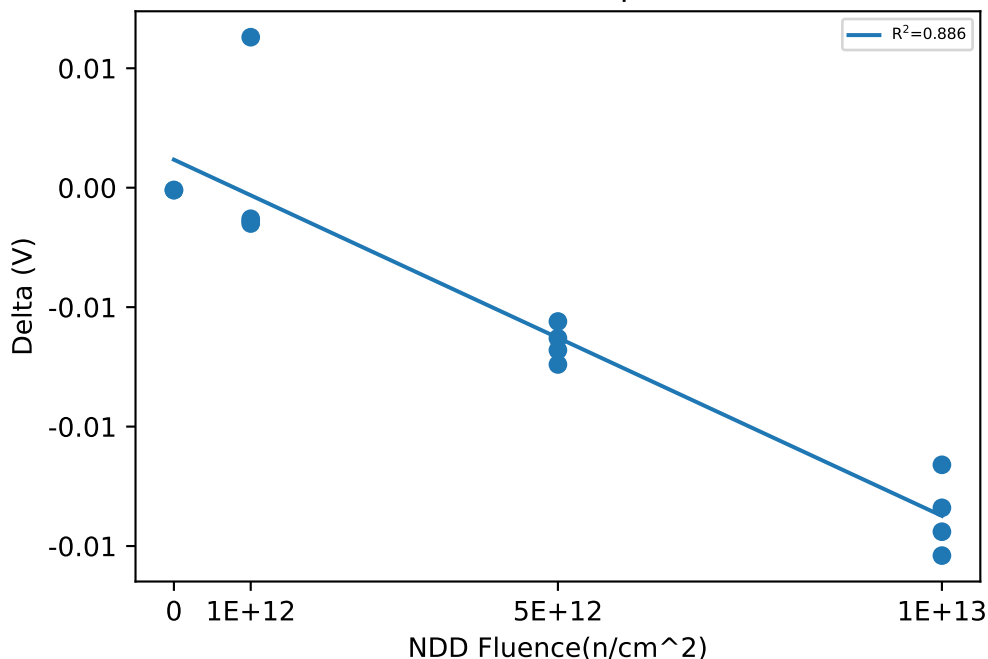
NDD vs Result Stats



Test Results (Lower Limit = 2.72, Upper Limit = 2.84 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.7775	2.776	-0.0015
2	1e+12	NDD Unbiased	2.782	2.7806	-0.0014
3	1e+12	NDD Unbiased	2.7845	2.7832	-0.0013
4	1e+12	NDD Unbiased	2.7768	2.7831	0.0063
5	5e+12	NDD Unbiased	2.8017	2.7961	-0.0056
6	5e+12	NDD Unbiased	2.7884	2.781	-0.0074
7	5e+12	NDD Unbiased	2.7939	2.7871	-0.0068
8	5e+12	NDD Unbiased	2.7813	2.775	-0.0063
9	1e+13	NDD Unbiased	2.7937	2.7793	-0.0144
10	1e+13	NDD Unbiased	2.784	2.7686	-0.0154
11	1e+13	NDD Unbiased	2.795	2.7834	-0.0116
12	1e+13	NDD Unbiased	2.7829	2.7695	-0.0134
53	0	Correlation	2.7932	2.7931	-0.0001
54	0	Correlation	2.786	2.7859	-0.0001

NDD vs Post - Pre Exposure Delta

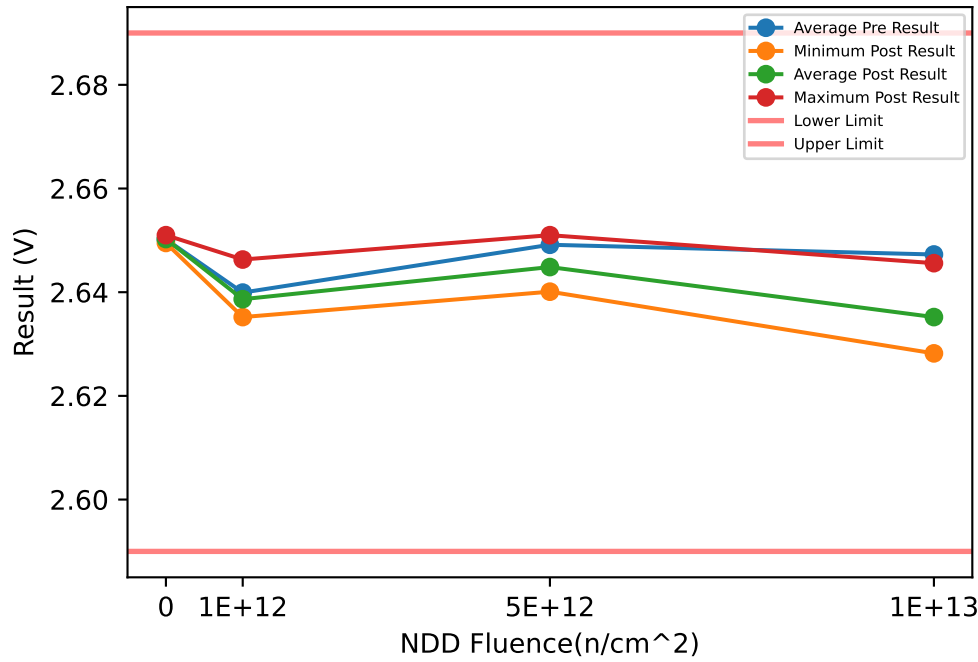


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.786	2.7896	2.7932	0.0050912	2.7859	2.7895	2.7931	0.0050912	-0.0001	-0.0001	-0.0001	0
1e+12	2.7768	2.7802	2.7845	0.0036779	2.776	2.7807	2.7832	0.0033718	-0.0015	0.000525	0.0063	0.0038509
5e+12	2.7813	2.7913	2.8017	0.008628	2.775	2.7848	2.7961	0.0090085	-0.0074	-0.006525	-0.0056	0.00076322
1e+13	2.7829	2.7889	2.795	0.0063314	2.7686	2.7752	2.7834	0.0073052	-0.0154	-0.0137	-0.0116	0.0016207

Device Test: 15.129 UVLO_FALL(_UVLO|FALL|IN|///0/0/0/@UVLO_FALL)

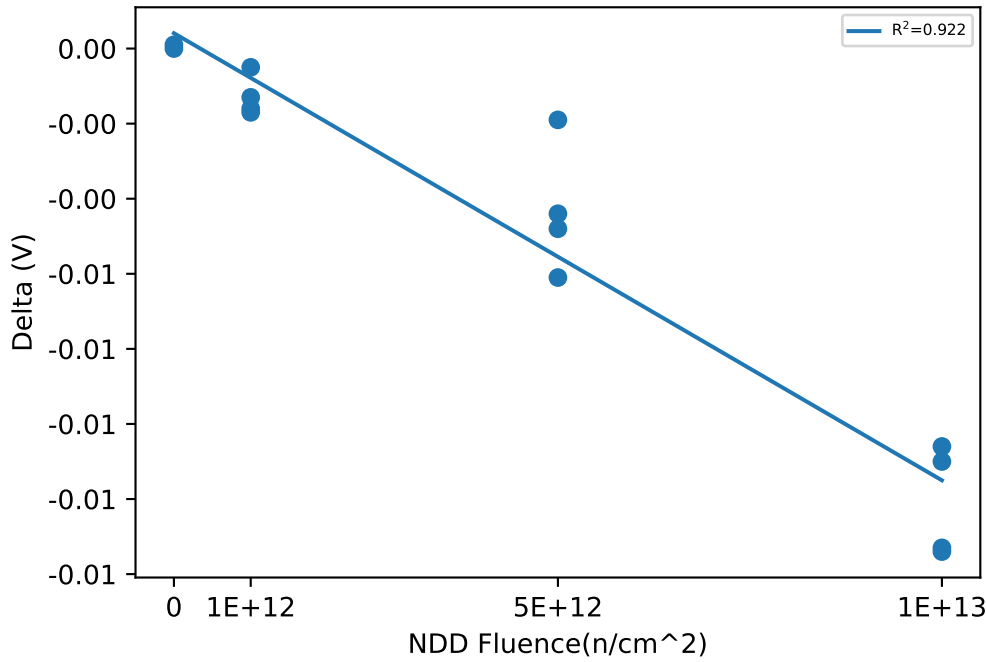
NDD vs Result Stats



Test Results (Lower Limit = 2.59, Upper Limit = 2.69 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.6369	2.6353	-0.0016
2	1e+12	NDD Unbiased	2.6369	2.6352	-0.0017
3	1e+12	NDD Unbiased	2.6476	2.6463	-0.0013
4	1e+12	NDD Unbiased	2.6383	2.6378	-0.0005
5	5e+12	NDD Unbiased	2.6554	2.651	-0.0044
6	5e+12	NDD Unbiased	2.6472	2.6424	-0.0048
7	5e+12	NDD Unbiased	2.6478	2.6459	-0.0019
8	5e+12	NDD Unbiased	2.6462	2.6401	-0.0061
9	1e+13	NDD Unbiased	2.6493	2.6359	-0.0134
10	1e+13	NDD Unbiased	2.6392	2.6282	-0.011
11	1e+13	NDD Unbiased	2.6589	2.6456	-0.0133
12	1e+13	NDD Unbiased	2.6417	2.6311	-0.0106
53	0	Correlation	2.6509	2.651	0.0001
54	0	Correlation	2.6495	2.6495	0

NDD vs Post - Pre Exposure Delta

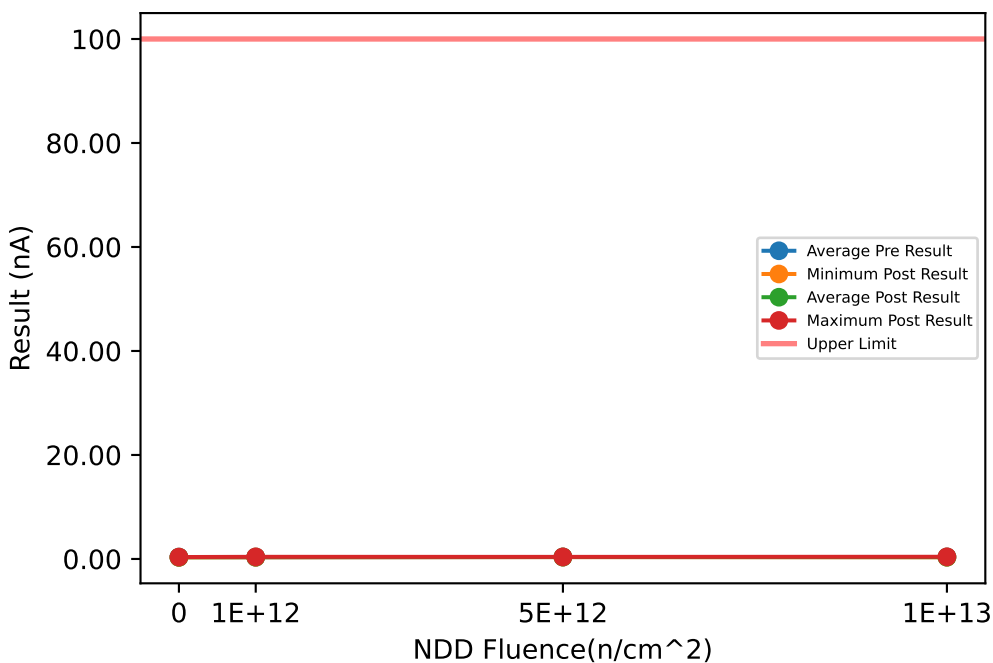


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6495	2.6502	2.6509	0.00098995	2.6495	2.6502	2.651	0.0010607	0	5e-05	0.0001	7.0711e-05
1e+12	2.6369	2.6399	2.6476	0.0051591	2.6352	2.6387	2.6463	0.0052399	-0.0017	-0.001275	-0.0005	0.00054391
5e+12	2.6462	2.6492	2.6554	0.0042186	2.6401	2.6448	2.651	0.0047431	-0.0061	-0.0043	-0.0019	0.0017569
1e+13	2.6392	2.6473	2.6589	0.0088605	2.6282	2.6352	2.6456	0.0076258	-0.0134	-0.012075	-0.0106	0.0014818

Device Test: 15.13 ILKG_SENSE(_LEAKAGE|SENSE1/SENSE1//3/0/0/0/@ILKG_SENSE)

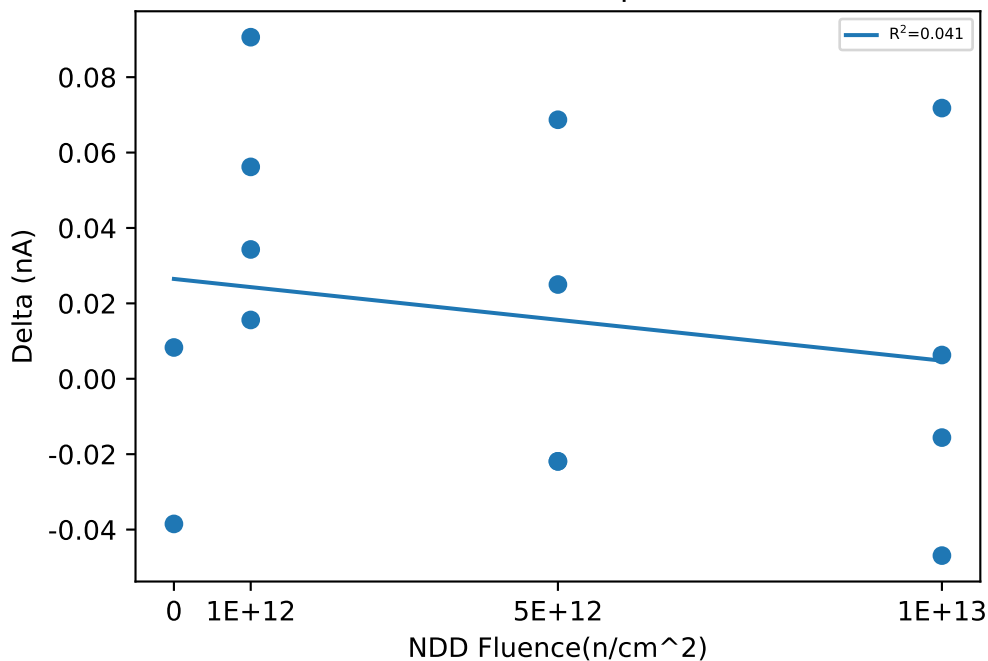
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.314	0.3702	0.0562
2	1e+12	NDD Unbiased	0.2984	0.314	0.0156
3	1e+12	NDD Unbiased	0.3546	0.3889	0.0343
4	1e+12	NDD Unbiased	0.3202	0.4108	0.0906
5	5e+12	NDD Unbiased	0.3171	0.3858	0.0687
6	5e+12	NDD Unbiased	0.3733	0.3983	0.025
7	5e+12	NDD Unbiased	0.4014	0.3795	-0.0219
8	5e+12	NDD Unbiased	0.3733	0.3514	-0.0219
9	1e+13	NDD Unbiased	0.3702	0.3233	-0.0469
10	1e+13	NDD Unbiased	0.3389	0.3452	0.0063
11	1e+13	NDD Unbiased	0.3795	0.3639	-0.0156
12	1e+13	NDD Unbiased	0.3483	0.4201	0.0718
53	0	Correlation	0.3389	0.3004	-0.0385
54	0	Correlation	0.3608	0.3691	0.0083

NDD vs Post - Pre Exposure Delta

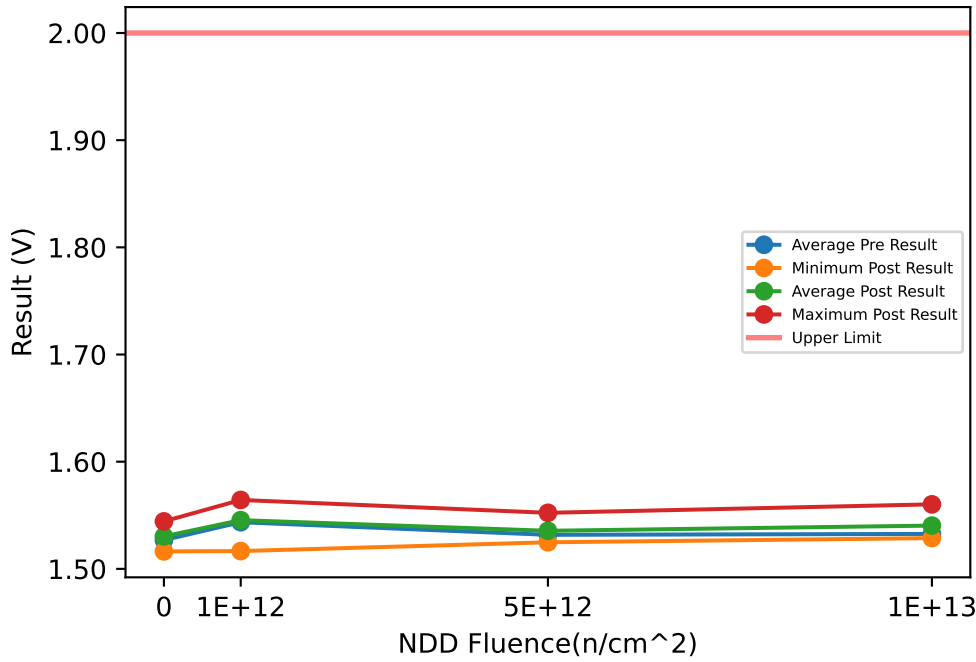


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3389	0.34985	0.3608	0.015486	0.3004	0.33475	0.3691	0.048578	-0.0385	-0.0151	0.0083	0.033093
1e+12	0.2984	0.3218	0.3546	0.023712	0.314	0.37097	0.4108	0.041449	0.0156	0.049175	0.0906	0.032218
5e+12	0.3171	0.36628	0.4014	0.035358	0.3514	0.37875	0.3983	0.019837	-0.0219	0.012475	0.0687	0.043518
1e+13	0.3389	0.35923	0.3795	0.018832	0.3233	0.36312	0.4201	0.041449	-0.0469	0.0039	0.0718	0.050256

Device Test: 15.130 VIN_VALID(_LEVEL|RISE/EN1/1.6//0/0/0/@VIN_VALID)

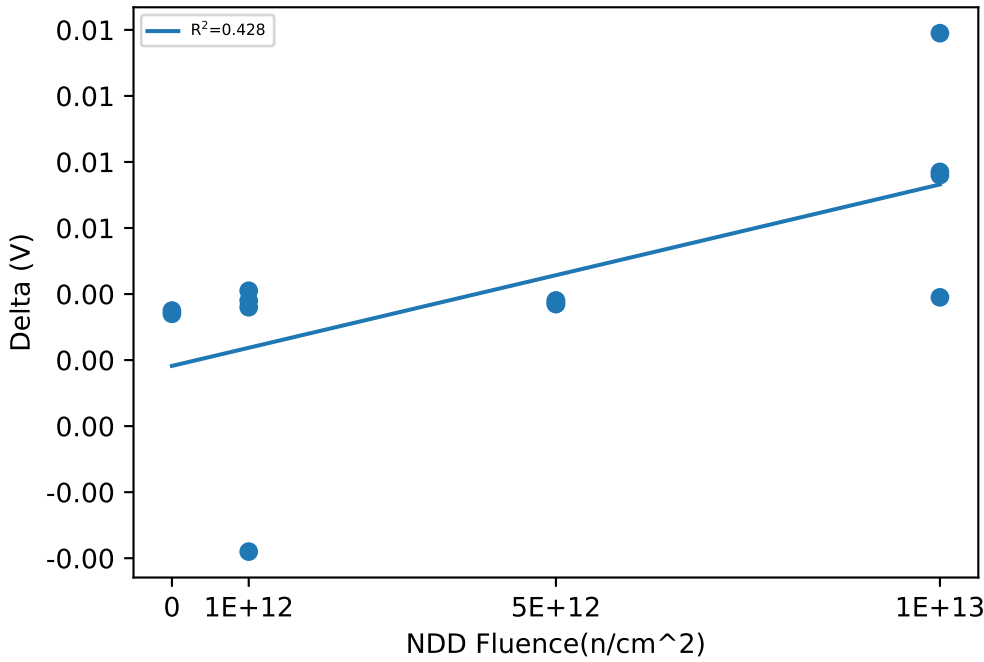
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5565	1.5527	-0.0038
2	1e+12	NDD Unbiased	1.5125	1.5166	0.0041
3	1e+12	NDD Unbiased	1.5605	1.5643	0.0038
4	1e+12	NDD Unbiased	1.5446	1.5482	0.0036
5	5e+12	NDD Unbiased	1.5247	1.5285	0.0038
6	5e+12	NDD Unbiased	1.5327	1.5365	0.0038
7	5e+12	NDD Unbiased	1.5486	1.5523	0.0037
8	5e+12	NDD Unbiased	1.5211	1.5248	0.0037
9	1e+13	NDD Unbiased	1.5248	1.5287	0.0039
10	1e+13	NDD Unbiased	1.5247	1.5323	0.0076
11	1e+13	NDD Unbiased	1.5326	1.5403	0.0077
12	1e+13	NDD Unbiased	1.5483	1.5602	0.0119
53	0	Correlation	1.5408	1.5443	0.0035
54	0	Correlation	1.5129	1.5163	0.0034

NDD vs Post - Pre Exposure Delta

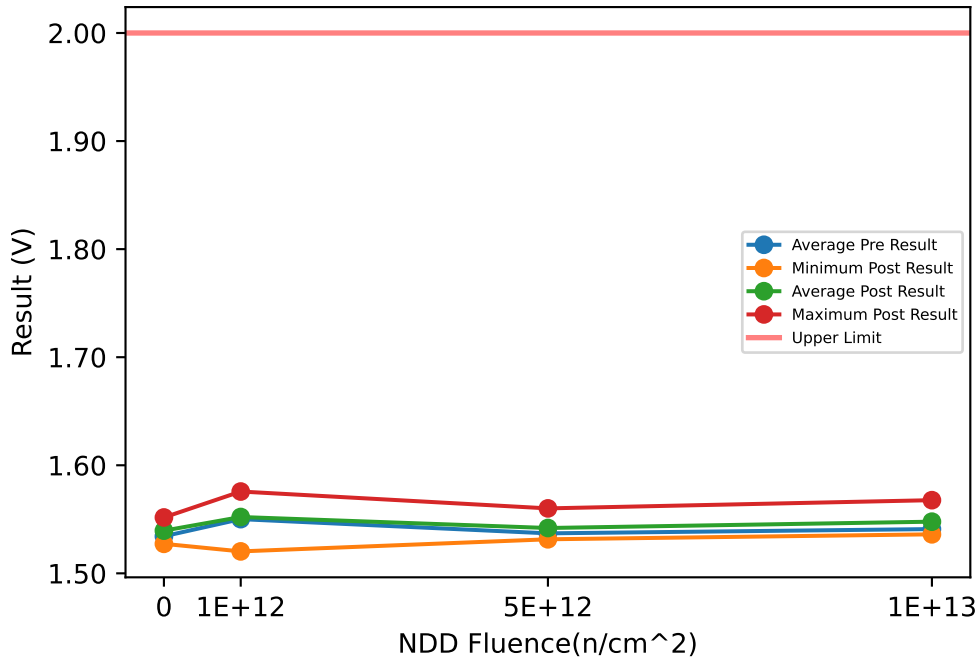


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5129	1.5269	1.5408	0.019728	1.5163	1.5303	1.5443	0.019799	0.0034	0.00345	0.0035	7.0711e-05
1e+12	1.5125	1.5435	1.5605	0.021758	1.5166	1.5454	1.5643	0.020394	-0.0038	0.001925	0.0041	0.0038222
5e+12	1.5211	1.5318	1.5486	0.012219	1.5248	1.5355	1.5523	0.012203	0.0037	0.00375	0.0038	5.7735e-05
1e+13	1.5247	1.5326	1.5483	0.011102	1.5287	1.5404	1.5602	0.014078	0.0039	0.007775	0.0119	0.0032694

Device Test: 15.131 VIN_VALID(_LEVEL|RISE/EN2/1.6//0/0/0/@VIN_VALID)

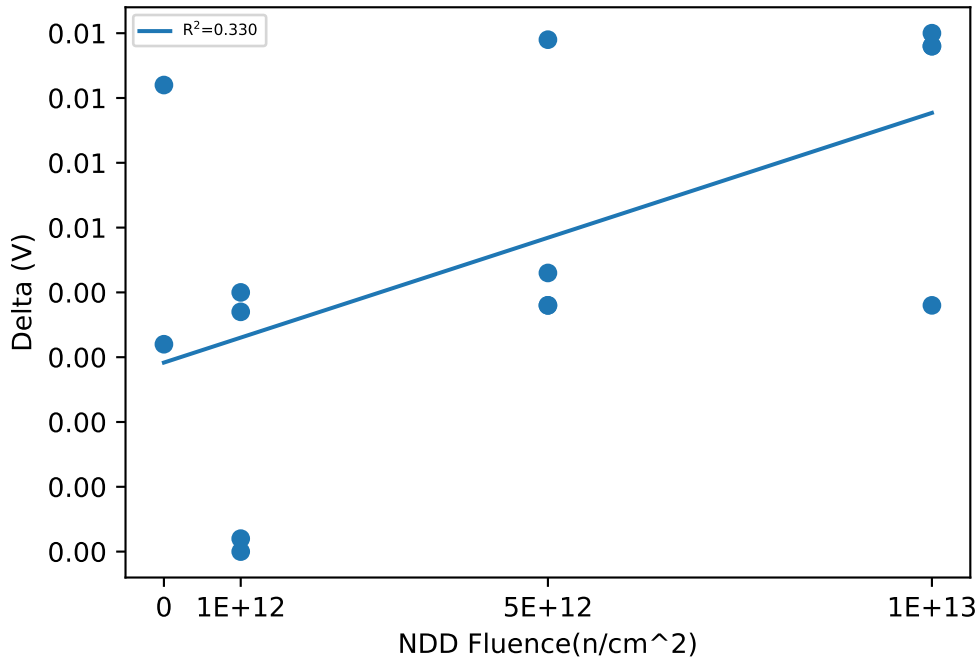
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5568	1.5568	0
2	1e+12	NDD Unbiased	1.5201	1.5203	0.0002
3	1e+12	NDD Unbiased	1.5717	1.5757	0.004
4	1e+12	NDD Unbiased	1.552	1.5557	0.0037
5	5e+12	NDD Unbiased	1.5277	1.5315	0.0038
6	5e+12	NDD Unbiased	1.5402	1.544	0.0038
7	5e+12	NDD Unbiased	1.5558	1.5601	0.0043
8	5e+12	NDD Unbiased	1.5243	1.5322	0.0079
9	1e+13	NDD Unbiased	1.5323	1.5361	0.0038
10	1e+13	NDD Unbiased	1.532	1.5398	0.0078
11	1e+13	NDD Unbiased	1.5398	1.5476	0.0078
12	1e+13	NDD Unbiased	1.5597	1.5677	0.008
53	0	Correlation	1.5445	1.5517	0.0072
54	0	Correlation	1.5241	1.5273	0.0032

NDD vs Post - Pre Exposure Delta

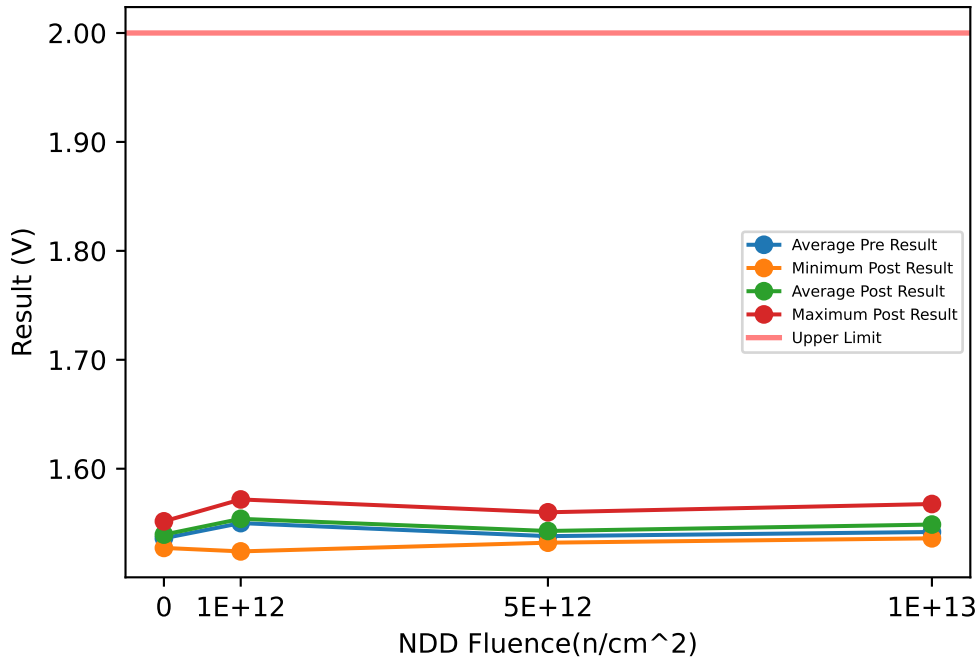


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5241	1.5343	1.5445	0.014425	1.5273	1.5395	1.5517	0.017253	0.0032	0.0052	0.0072	0.0028284
1e+12	1.5201	1.5501	1.5717	0.021718	1.5203	1.5521	1.5757	0.023117	0	0.001975	0.004	0.0021701
5e+12	1.5243	1.537	1.5558	0.014277	1.5315	1.5419	1.5601	0.01339	0.0038	0.00495	0.0079	0.0019807
1e+13	1.532	1.541	1.5597	0.01301	1.5361	1.5478	1.5677	0.014106	0.0038	0.00685	0.008	0.0020355

Device Test: 15.132 VIN_VALID(_LEVEL|RISE/EN3/1.6//0/0/0/@VIN_VALID)

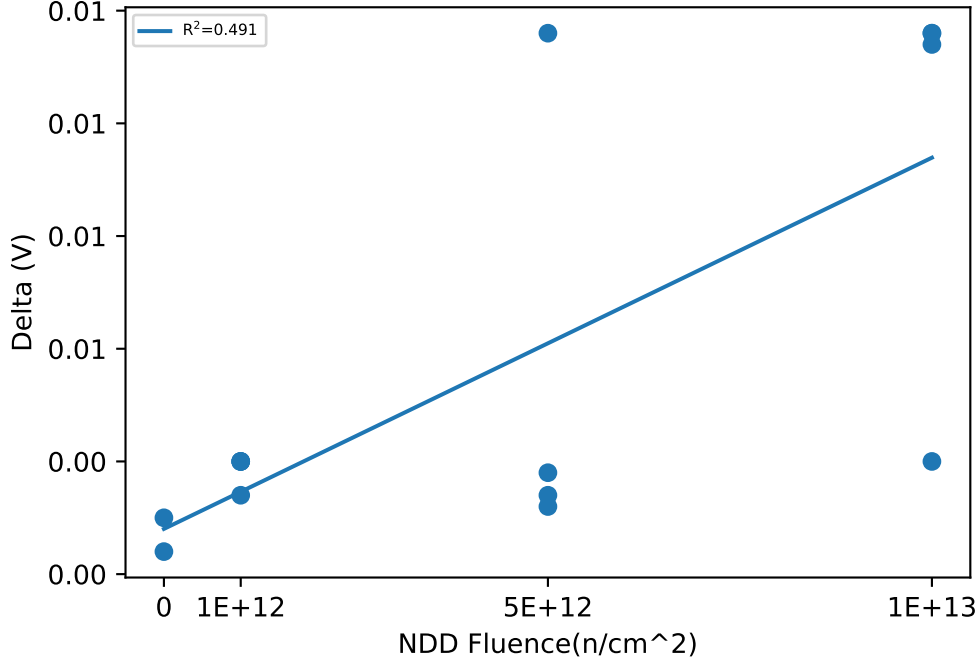
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5568	1.5605	0.0037
2	1e+12	NDD Unbiased	1.5201	1.5241	0.004
3	1e+12	NDD Unbiased	1.5678	1.5718	0.004
4	1e+12	NDD Unbiased	1.5556	1.5596	0.004
5	5e+12	NDD Unbiased	1.5318	1.5355	0.0037
6	5e+12	NDD Unbiased	1.5402	1.5438	0.0036
7	5e+12	NDD Unbiased	1.5561	1.56	0.0039
8	5e+12	NDD Unbiased	1.5243	1.5321	0.0078
9	1e+13	NDD Unbiased	1.5321	1.5361	0.004
10	1e+13	NDD Unbiased	1.532	1.5398	0.0078
11	1e+13	NDD Unbiased	1.5438	1.5515	0.0077
12	1e+13	NDD Unbiased	1.5598	1.5676	0.0078
53	0	Correlation	1.5482	1.5517	0.0035
54	0	Correlation	1.5241	1.5273	0.0032

NDD vs Post - Pre Exposure Delta

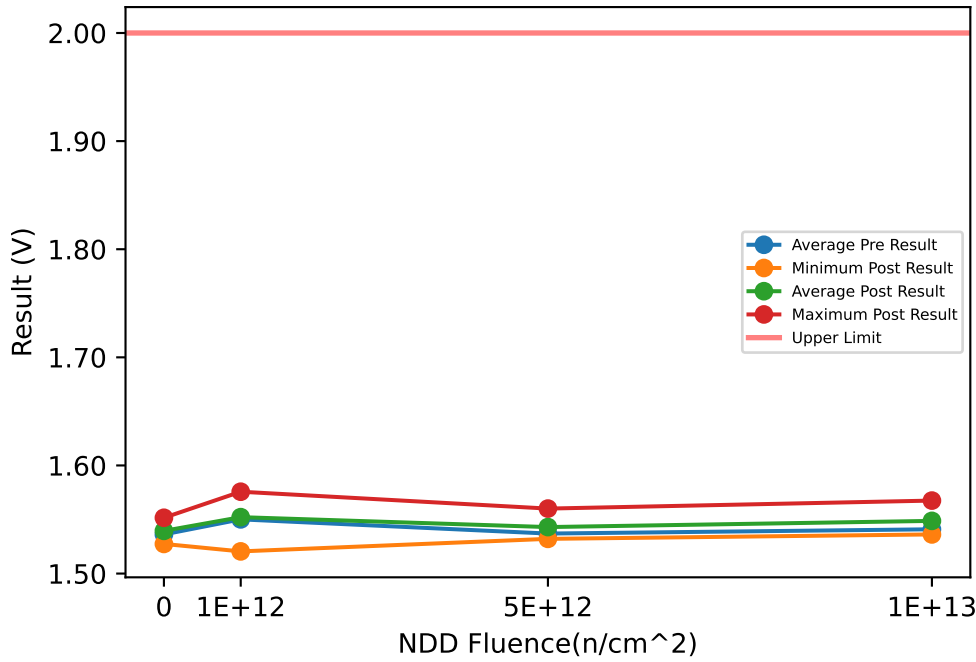


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5241	1.5362	1.5482	0.017041	1.5273	1.5395	1.5517	0.017253	0.0032	0.00335	0.0035	0.00021213
1e+12	1.5201	1.5501	1.5678	0.020724	1.5241	1.554	1.5718	0.020692	0.0037	0.003925	0.004	0.00015
5e+12	1.5243	1.5381	1.5561	0.013645	1.5321	1.5429	1.56	0.012445	0.0036	0.00475	0.0078	0.0020372
1e+13	1.532	1.5419	1.5598	0.013141	1.5361	1.5488	1.5676	0.014178	0.004	0.006825	0.0078	0.0018839

Device Test: 15.133 VIN_VALID(_LEVEL|RISE/EN4/1.6//0/0/0/@VIN_VALID)

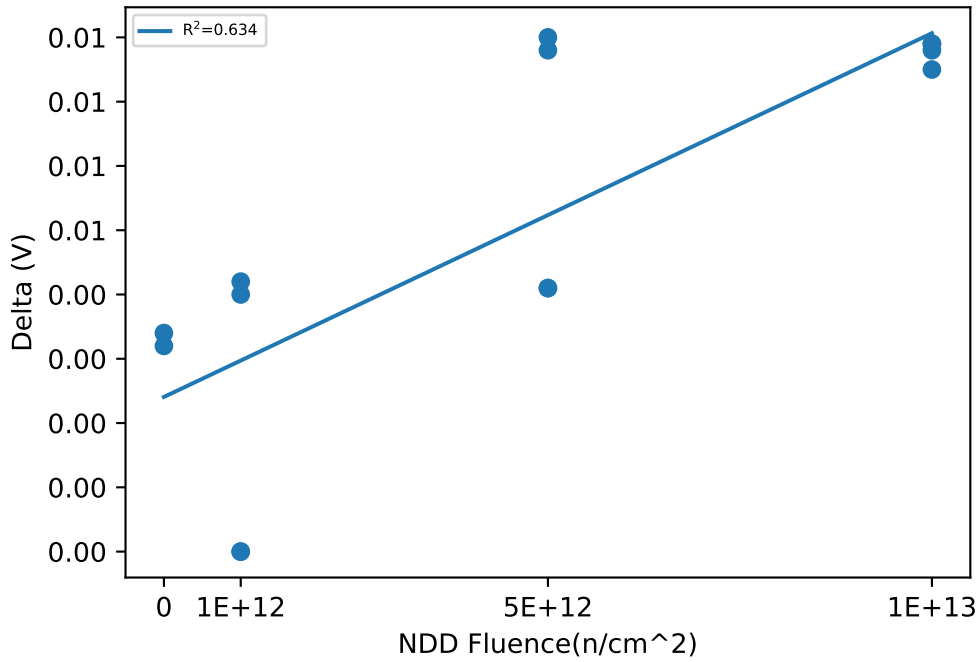
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5568	1.5568	0
2	1e+12	NDD Unbiased	1.5163	1.5205	0.0042
3	1e+12	NDD Unbiased	1.5717	1.5757	0.004
4	1e+12	NDD Unbiased	1.5557	1.5557	0
5	5e+12	NDD Unbiased	1.5277	1.5357	0.008
6	5e+12	NDD Unbiased	1.54	1.5441	0.0041
7	5e+12	NDD Unbiased	1.556	1.5601	0.0041
8	5e+12	NDD Unbiased	1.5243	1.5321	0.0078
9	1e+13	NDD Unbiased	1.5283	1.5362	0.0079
10	1e+13	NDD Unbiased	1.5321	1.5396	0.0075
11	1e+13	NDD Unbiased	1.5437	1.5516	0.0079
12	1e+13	NDD Unbiased	1.5597	1.5675	0.0078
53	0	Correlation	1.5482	1.5516	0.0034
54	0	Correlation	1.5242	1.5274	0.0032

NDD vs Post - Pre Exposure Delta

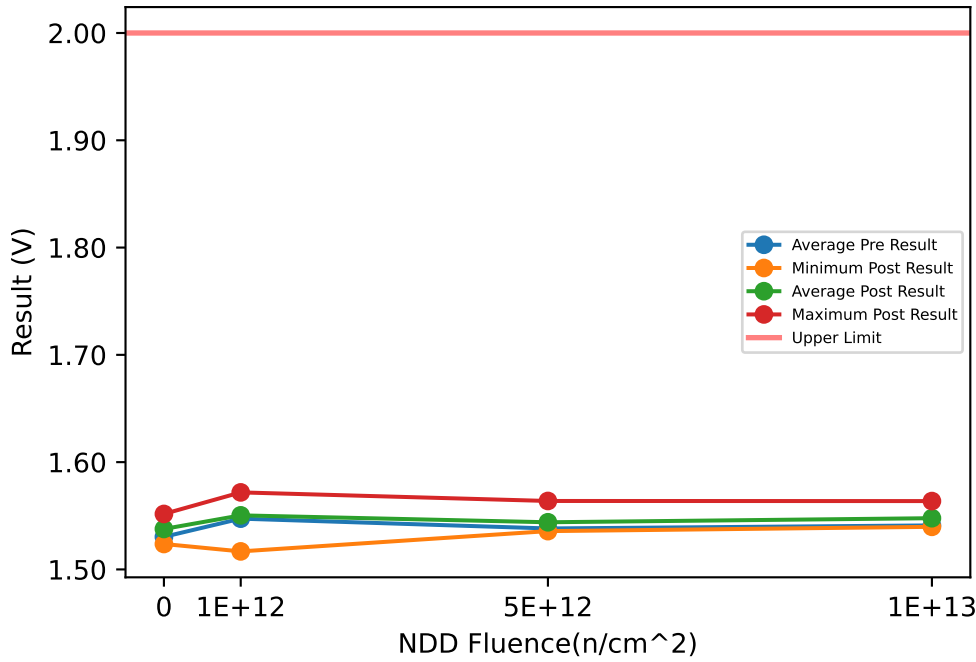


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5242	1.5362	1.5482	0.016971	1.5274	1.5395	1.5516	0.017112	0.0032	0.0033	0.0034	0.00014142
1e+12	1.5163	1.5501	1.5717	0.023701	1.5205	1.5522	1.5757	0.023026	0	0.00205	0.0042	0.0023685
5e+12	1.5243	1.537	1.556	0.01435	1.5321	1.543	1.5601	0.01246	0.0041	0.006	0.008	0.0021954
1e+13	1.5283	1.541	1.5597	0.014112	1.5362	1.5487	1.5675	0.014153	0.0075	0.007775	0.0079	0.0001893

Device Test: 15.134 VIN_VALID(_LEVEL|RISE/SEQ_DONE/1.6//0/0/0/@VIN_VALID)

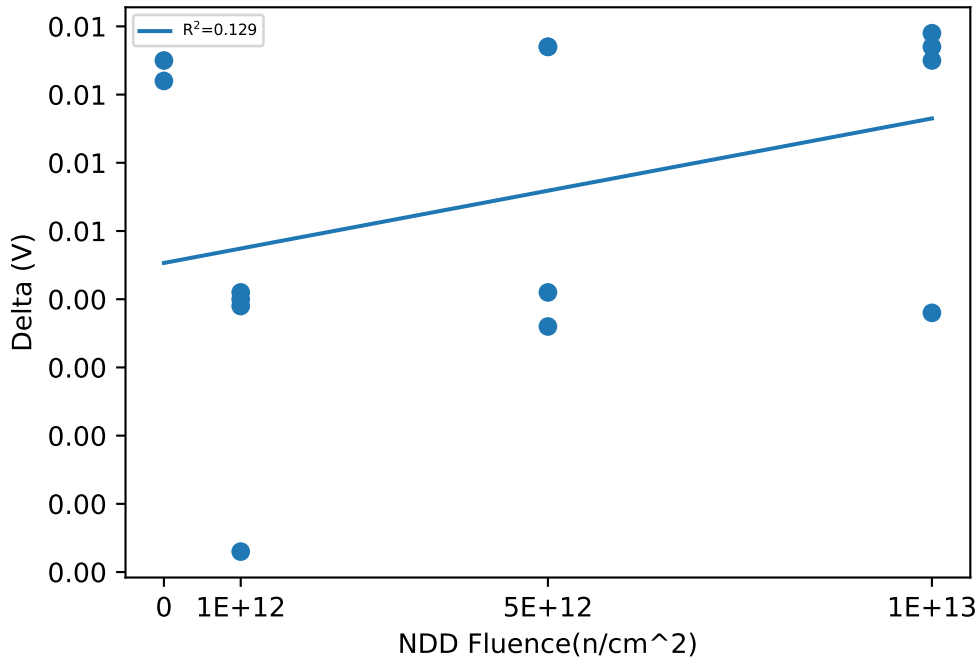
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.553	1.5533	0.0003
2	1e+12	NDD Unbiased	1.5127	1.5168	0.0041
3	1e+12	NDD Unbiased	1.5678	1.5718	0.004
4	1e+12	NDD Unbiased	1.5558	1.5597	0.0039
5	5e+12	NDD Unbiased	1.528	1.5357	0.0077
6	5e+12	NDD Unbiased	1.5365	1.5401	0.0036
7	5e+12	NDD Unbiased	1.5597	1.5638	0.0041
8	5e+12	NDD Unbiased	1.5285	1.5362	0.0077
9	1e+13	NDD Unbiased	1.5362	1.54	0.0038
10	1e+13	NDD Unbiased	1.532	1.5397	0.0077
11	1e+13	NDD Unbiased	1.5401	1.5476	0.0075
12	1e+13	NDD Unbiased	1.5558	1.5637	0.0079
53	0	Correlation	1.5445	1.5517	0.0072
54	0	Correlation	1.5162	1.5237	0.0075

NDD vs Post - Pre Exposure Delta

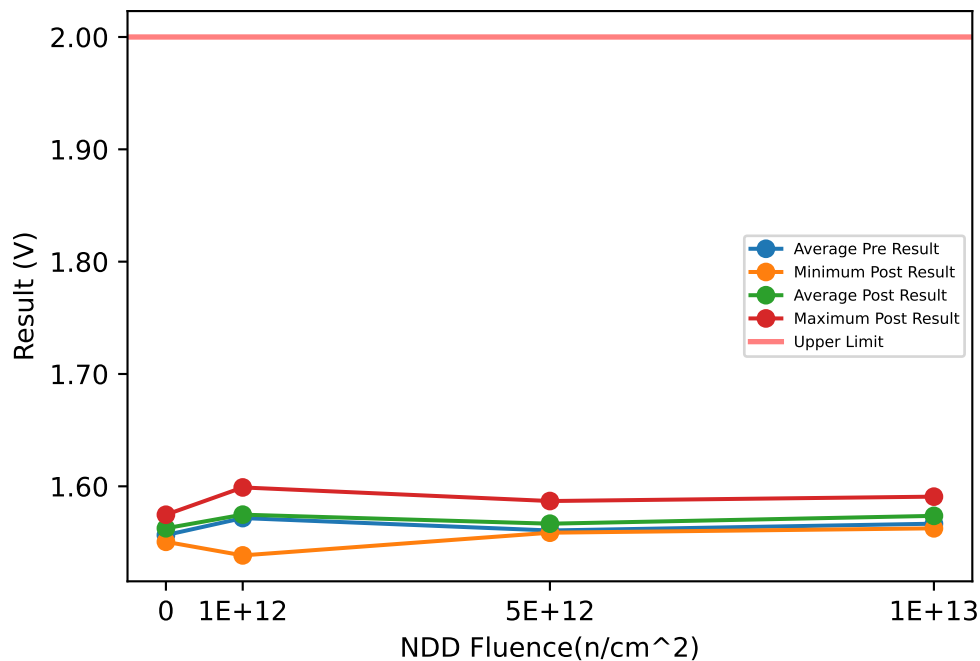


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5162	1.5303	1.5445	0.020011	1.5237	1.5377	1.5517	0.019799	0.0072	0.00735	0.0075	0.00021213
1e+12	1.5127	1.5473	1.5678	0.023959	1.5168	1.5504	1.5718	0.023677	0.0003	0.003075	0.0041	0.0018518
5e+12	1.528	1.5382	1.5597	0.014869	1.5357	1.544	1.5638	0.013379	0.0036	0.005775	0.0077	0.0022322
1e+13	1.532	1.541	1.5558	0.010391	1.5397	1.5478	1.5637	0.011244	0.0038	0.006725	0.0079	0.0019568

Device Test: 15.135 VIN_VALID(_LEVEL|RISE/PWRGD/1.6//0/0/0/@VIN_VALID)

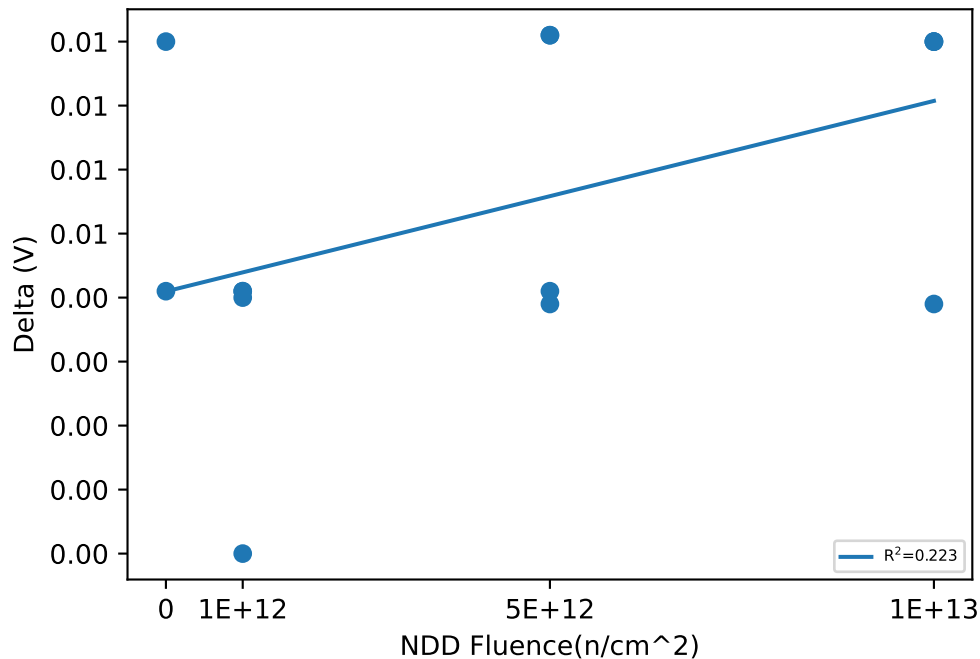
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5747	1.5788	0.0041
2	1e+12	NDD Unbiased	1.5385	1.5385	0
3	1e+12	NDD Unbiased	1.5949	1.599	0.0041
4	1e+12	NDD Unbiased	1.5788	1.5828	0.004
5	5e+12	NDD Unbiased	1.5506	1.5587	0.0081
6	5e+12	NDD Unbiased	1.5587	1.5626	0.0039
7	5e+12	NDD Unbiased	1.5828	1.5869	0.0041
8	5e+12	NDD Unbiased	1.5506	1.5587	0.0081
9	1e+13	NDD Unbiased	1.5587	1.5626	0.0039
10	1e+13	NDD Unbiased	1.5587	1.5667	0.008
11	1e+13	NDD Unbiased	1.5667	1.5747	0.008
12	1e+13	NDD Unbiased	1.5828	1.5908	0.008
53	0	Correlation	1.5667	1.5747	0.008
54	0	Correlation	1.5465	1.5506	0.0041

NDD vs Post - Pre Exposure Delta

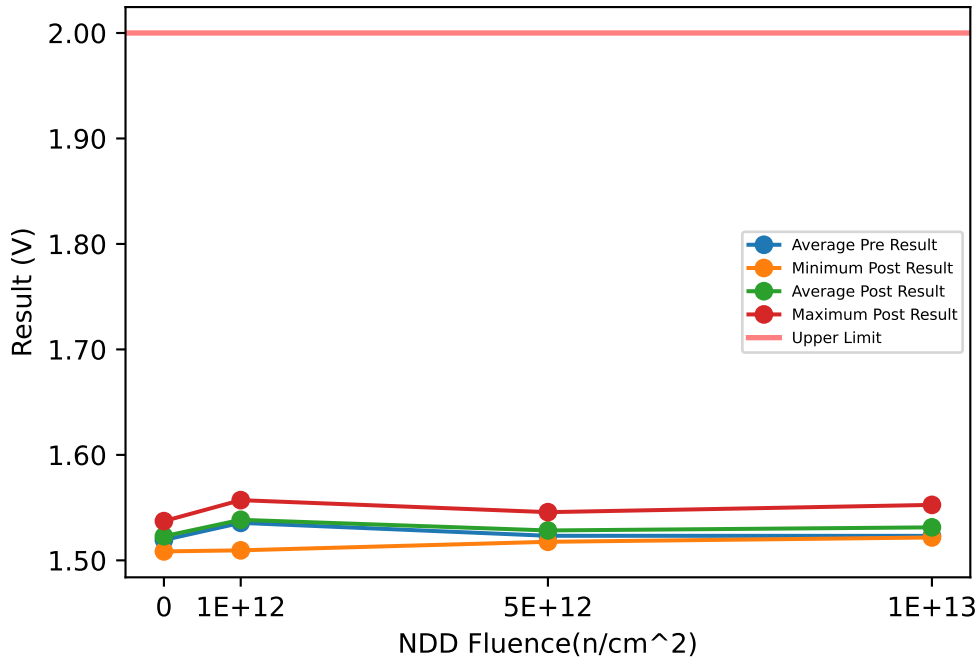


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5465	1.5566	1.5667	0.014284	1.5506	1.5627	1.5747	0.017041	0.0041	0.00605	0.008	0.0027577
1e+12	1.5385	1.5717	1.5949	0.023804	1.5385	1.5748	1.599	0.025712	0	0.00305	0.0041	0.0020339
5e+12	1.5506	1.5607	1.5828	0.015236	1.5587	1.5667	1.5869	0.013575	0.0039	0.00605	0.0081	0.0023685
1e+13	1.5587	1.5667	1.5828	0.011361	1.5626	1.5737	1.5908	0.012458	0.0039	0.006975	0.008	0.00205

Device Test: 15.136 VIN_VALID(_LEVEL|RISE/EN1/7//0/0/0/@VIN_VALID)

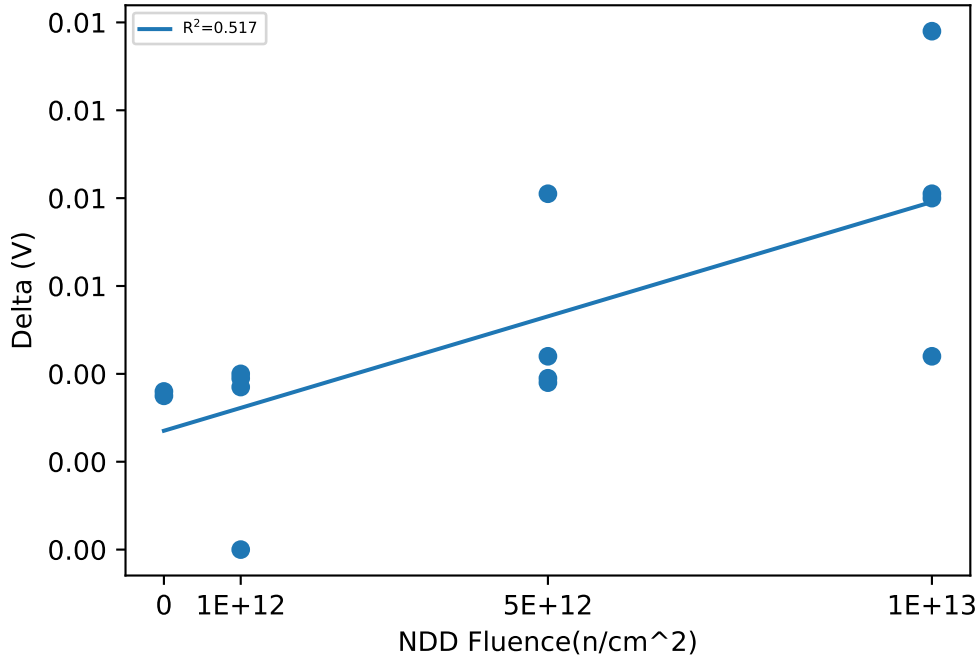
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.546	1.546	0
2	1e+12	NDD Unbiased	1.5055	1.5095	0.004
3	1e+12	NDD Unbiased	1.5532	1.5571	0.0039
4	1e+12	NDD Unbiased	1.5375	1.5412	0.0037
5	5e+12	NDD Unbiased	1.5162	1.5206	0.0044
6	5e+12	NDD Unbiased	1.5257	1.5295	0.0038
7	5e+12	NDD Unbiased	1.5418	1.5457	0.0039
8	5e+12	NDD Unbiased	1.5095	1.5176	0.0081
9	1e+13	NDD Unbiased	1.5173	1.5217	0.0044
10	1e+13	NDD Unbiased	1.5136	1.5217	0.0081
11	1e+13	NDD Unbiased	1.5212	1.5292	0.008
12	1e+13	NDD Unbiased	1.5408	1.5526	0.0118
53	0	Correlation	1.5336	1.5372	0.0036
54	0	Correlation	1.505	1.5085	0.0035

NDD vs Post - Pre Exposure Delta

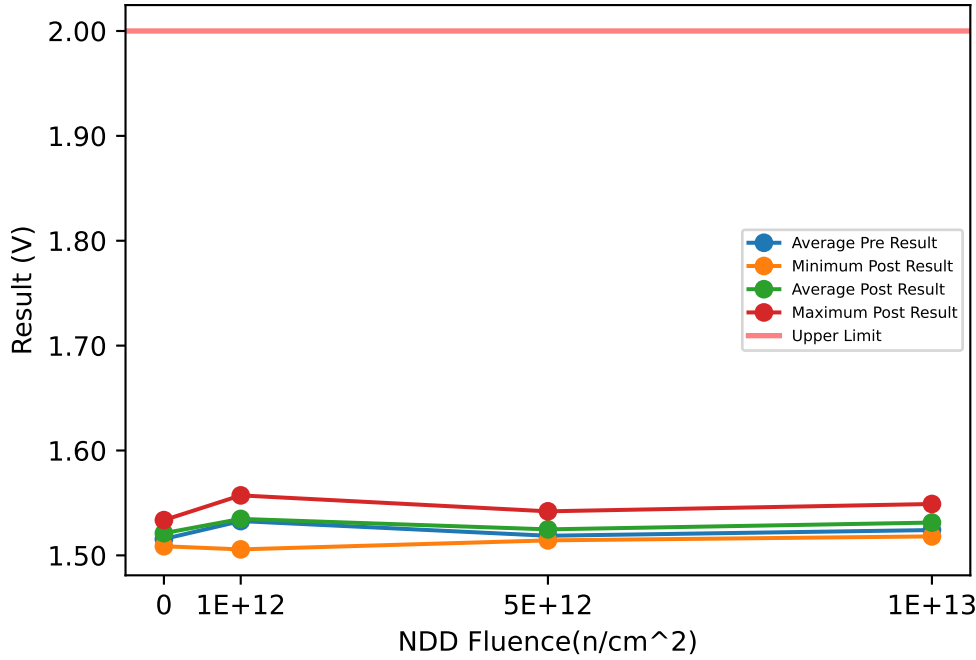


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.505	1.5193	1.5336	0.020223	1.5085	1.5229	1.5372	0.020294	0.0035	0.00355	0.0036	7.0711e-05
1e+12	1.5055	1.5355	1.5532	0.021036	1.5095	1.5385	1.5571	0.020416	0	0.0029	0.004	0.0019374
5e+12	1.5095	1.5233	1.5418	0.01401	1.5176	1.5284	1.5457	0.012622	0.0038	0.00505	0.0081	0.0020502
1e+13	1.5136	1.5232	1.5408	0.012121	1.5217	1.5313	1.5526	0.014634	0.0044	0.008075	0.0118	0.0030215

Device Test: 15.137 VIN_VALID(_LEVEL|RISE/EN2/7//0/0/0/@VIN_VALID)

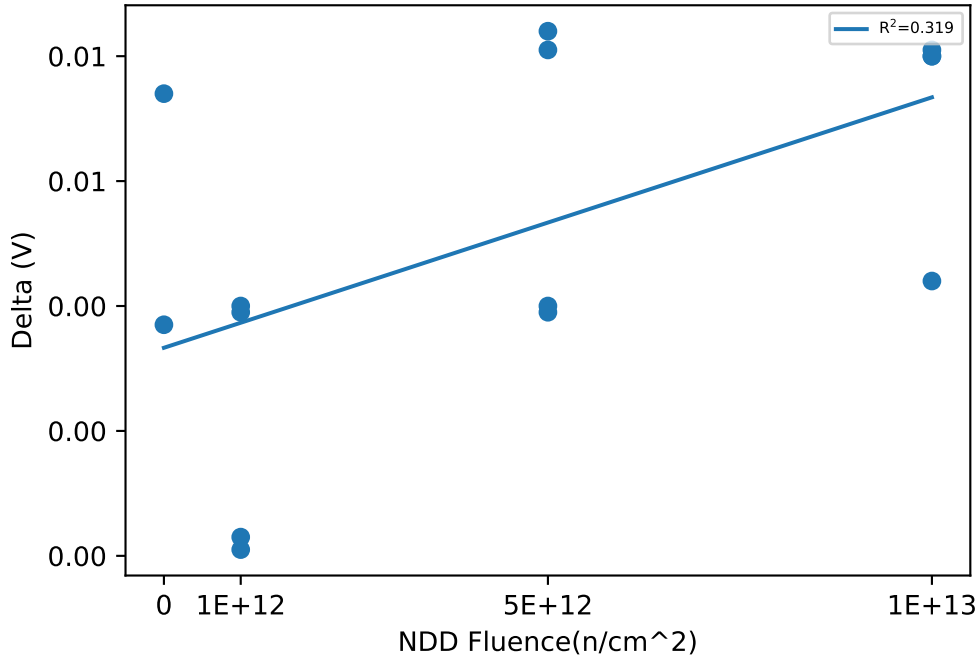
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5383	1.5386	0.0003
2	1e+12	NDD Unbiased	1.5017	1.5057	0.004
3	1e+12	NDD Unbiased	1.5533	1.5572	0.0039
4	1e+12	NDD Unbiased	1.5375	1.5376	0.0001
5	5e+12	NDD Unbiased	1.509	1.5171	0.0081
6	5e+12	NDD Unbiased	1.5218	1.5258	0.004
7	5e+12	NDD Unbiased	1.5381	1.542	0.0039
8	5e+12	NDD Unbiased	1.5059	1.5143	0.0084
9	1e+13	NDD Unbiased	1.5137	1.5181	0.0044
10	1e+13	NDD Unbiased	1.5171	1.5252	0.0081
11	1e+13	NDD Unbiased	1.5248	1.5328	0.008
12	1e+13	NDD Unbiased	1.541	1.549	0.008
53	0	Correlation	1.5262	1.5336	0.0074
54	0	Correlation	1.505	1.5087	0.0037

NDD vs Post - Pre Exposure Delta

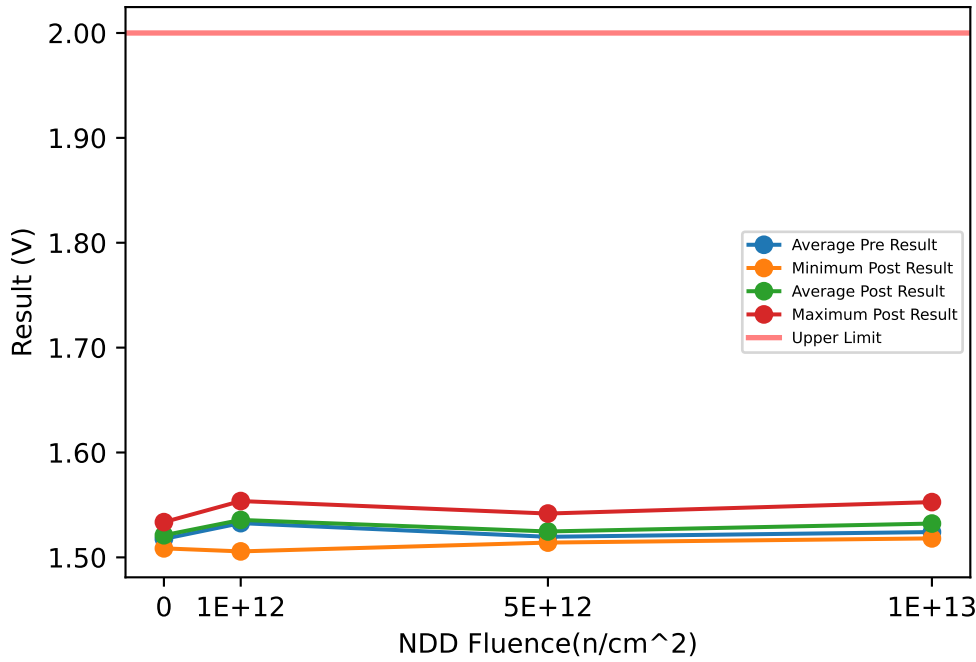


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.505	1.5156	1.5262	0.014991	1.5087	1.5212	1.5336	0.017607	0.0037	0.00555	0.0074	0.0026163
1e+12	1.5017	1.5327	1.5533	0.021907	1.5057	1.5348	1.5572	0.021376	0.0001	0.002075	0.004	0.002167
5e+12	1.5059	1.5187	1.5381	0.01465	1.5143	1.5248	1.542	0.012468	0.0039	0.0061	0.0084	0.002486
1e+13	1.5137	1.5241	1.541	0.012155	1.5181	1.5313	1.549	0.013254	0.0044	0.007125	0.0081	0.0018173

Device Test: 15.138 VIN_VALID(_LEVEL|RISE/EN3/7//0/0/0/@VIN_VALID)

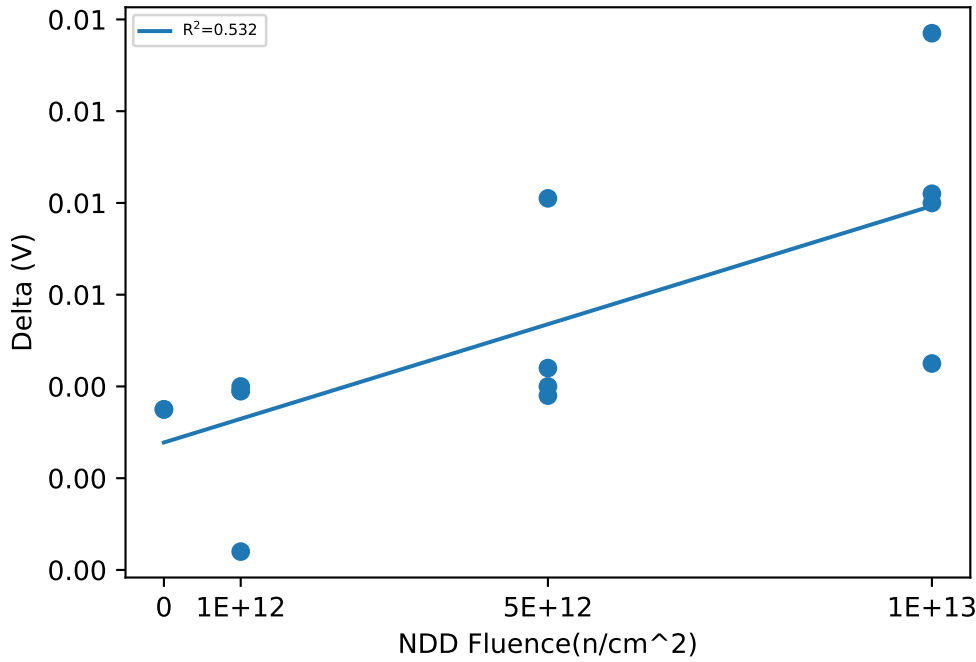
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5383	1.5422	0.0039
2	1e+12	NDD Unbiased	1.5017	1.5057	0.004
3	1e+12	NDD Unbiased	1.5533	1.5537	0.0004
4	1e+12	NDD Unbiased	1.5373	1.5412	0.0039
5	5e+12	NDD Unbiased	1.5127	1.5171	0.0044
6	5e+12	NDD Unbiased	1.5218	1.5258	0.004
7	5e+12	NDD Unbiased	1.538	1.5418	0.0038
8	5e+12	NDD Unbiased	1.506	1.5141	0.0081
9	1e+13	NDD Unbiased	1.5136	1.5181	0.0045
10	1e+13	NDD Unbiased	1.5172	1.5252	0.008
11	1e+13	NDD Unbiased	1.5248	1.533	0.0082
12	1e+13	NDD Unbiased	1.541	1.5527	0.0117
53	0	Correlation	1.5301	1.5336	0.0035
54	0	Correlation	1.5051	1.5086	0.0035

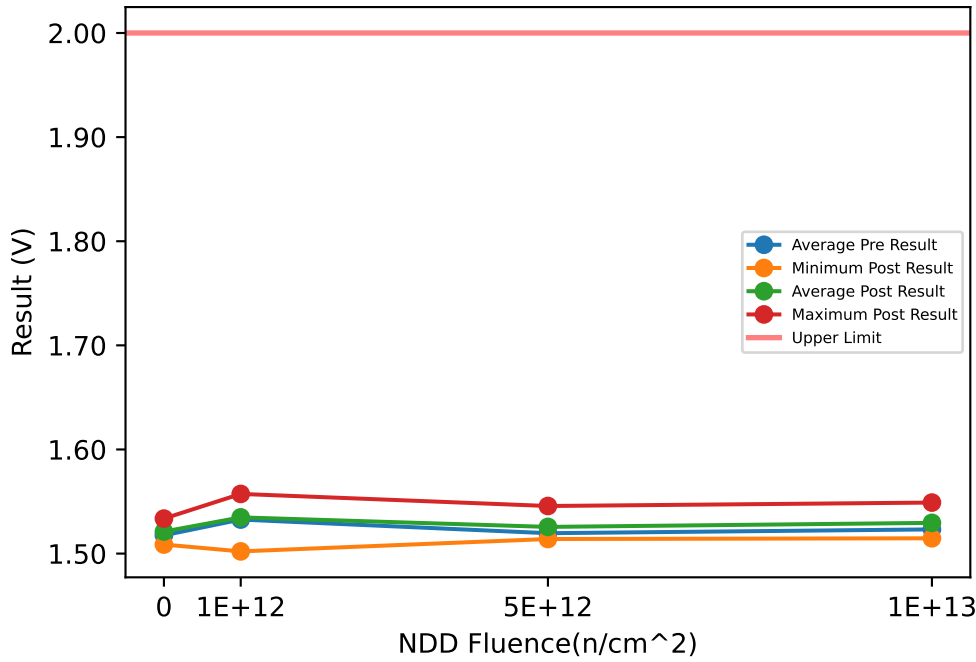
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5051	1.5176	1.5301	0.017678	1.5086	1.5211	1.5336	0.017678	0.0035	0.0035	0.0035	1.5701e-16
1e+12	1.5017	1.5327	1.5533	0.021893	1.5057	1.5357	1.5537	0.020789	0.0004	0.00305	0.004	0.0017673
5e+12	1.506	1.5196	1.538	0.013856	1.5141	1.5247	1.5418	0.012433	0.0038	0.005075	0.0081	0.002032
1e+13	1.5136	1.5242	1.541	0.012165	1.5181	1.5322	1.5527	0.01493	0.0045	0.0081	0.0117	0.0029405

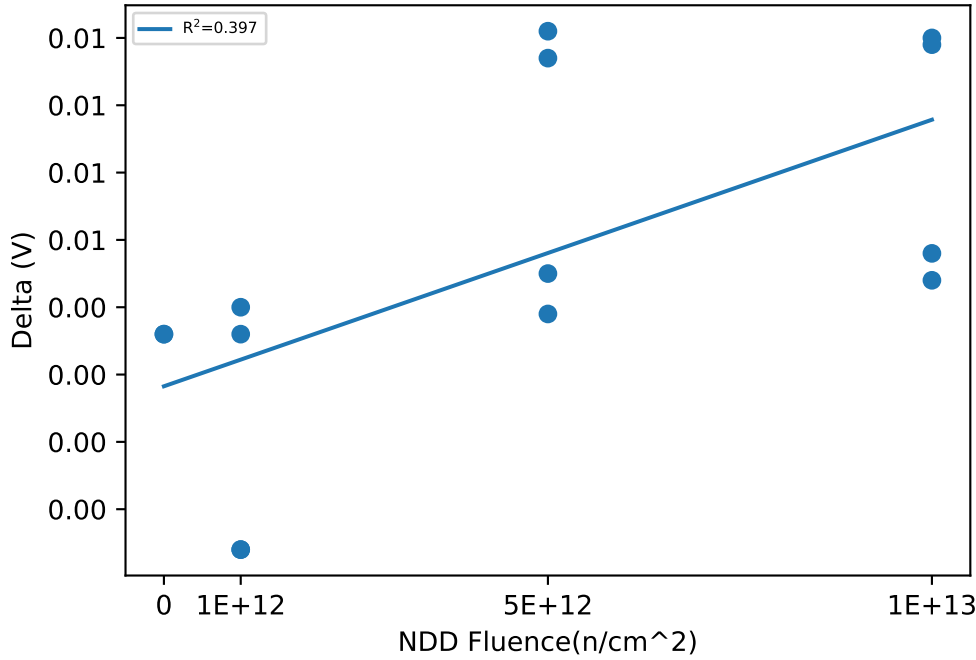
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5382	1.5386	0.0004
2	1e+12	NDD Unbiased	1.5017	1.5021	0.0004
3	1e+12	NDD Unbiased	1.5533	1.5573	0.004
4	1e+12	NDD Unbiased	1.5375	1.5411	0.0036
5	5e+12	NDD Unbiased	1.5126	1.5171	0.0045
6	5e+12	NDD Unbiased	1.5218	1.5257	0.0039
7	5e+12	NDD Unbiased	1.538	1.5457	0.0077
8	5e+12	NDD Unbiased	1.5059	1.514	0.0081
9	1e+13	NDD Unbiased	1.5099	1.5147	0.0048
10	1e+13	NDD Unbiased	1.5172	1.5216	0.0044
11	1e+13	NDD Unbiased	1.5247	1.5327	0.008
12	1e+13	NDD Unbiased	1.5411	1.549	0.0079
53	0	Correlation	1.53	1.5336	0.0036
54	0	Correlation	1.5051	1.5087	0.0036

NDD vs Post - Pre Exposure Delta

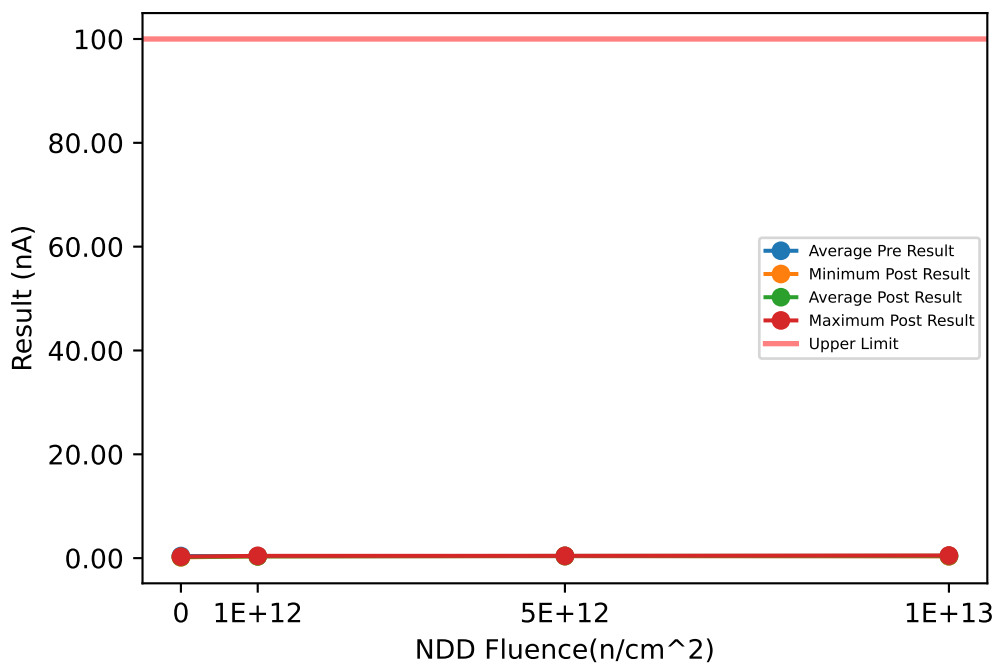


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5051	1.5175	1.53	0.017607	1.5087	1.5212	1.5336	0.017607	0.0036	0.0036	0.0036	1.5701e-16
1e+12	1.5017	1.5327	1.5533	0.021899	1.5021	1.5348	1.5573	0.023307	0.0004	0.0021	0.004	0.0019698
5e+12	1.5059	1.5196	1.538	0.013905	1.514	1.5256	1.5457	0.014269	0.0039	0.00605	0.0081	0.0021564
1e+13	1.5099	1.5232	1.5411	0.013361	1.5147	1.5295	1.549	0.014966	0.0044	0.006275	0.008	0.0019414

Device Test: 15.14 ILKG_SENSE(_LEAKAGE|SENSE2/SENSE2//3/0/0/0/@ILKG_SENSE)

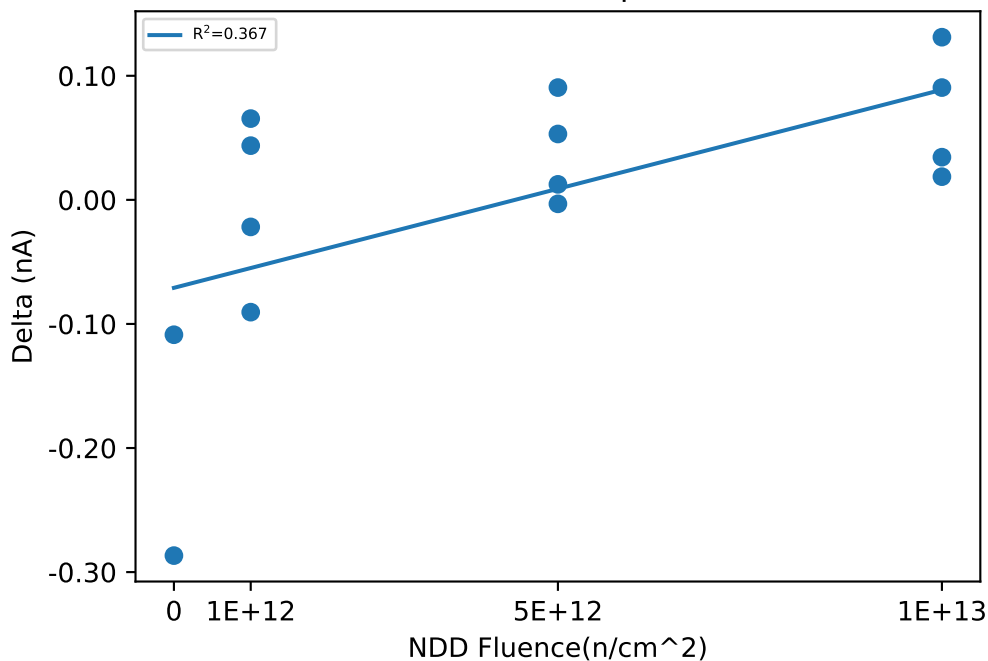
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.3621	0.3403	-0.0218
2	1e+12	NDD Unbiased	0.2685	0.334	0.0655
3	1e+12	NDD Unbiased	0.4277	0.3372	-0.0905
4	1e+12	NDD Unbiased	0.3965	0.4402	0.0437
5	5e+12	NDD Unbiased	0.3715	0.384	0.0125
6	5e+12	NDD Unbiased	0.3559	0.4464	0.0905
7	5e+12	NDD Unbiased	0.3902	0.4433	0.0531
8	5e+12	NDD Unbiased	0.4402	0.437	-0.0032
9	1e+13	NDD Unbiased	0.4058	0.4402	0.0344
10	1e+13	NDD Unbiased	0.3559	0.487	0.1311
11	1e+13	NDD Unbiased	0.3278	0.3465	0.0187
12	1e+13	NDD Unbiased	0.4214	0.5119	0.0905
53	0	Correlation	0.4277	0.141	-0.2867
54	0	Correlation	0.3902	0.2815	-0.1087

NDD vs Post - Pre Exposure Delta

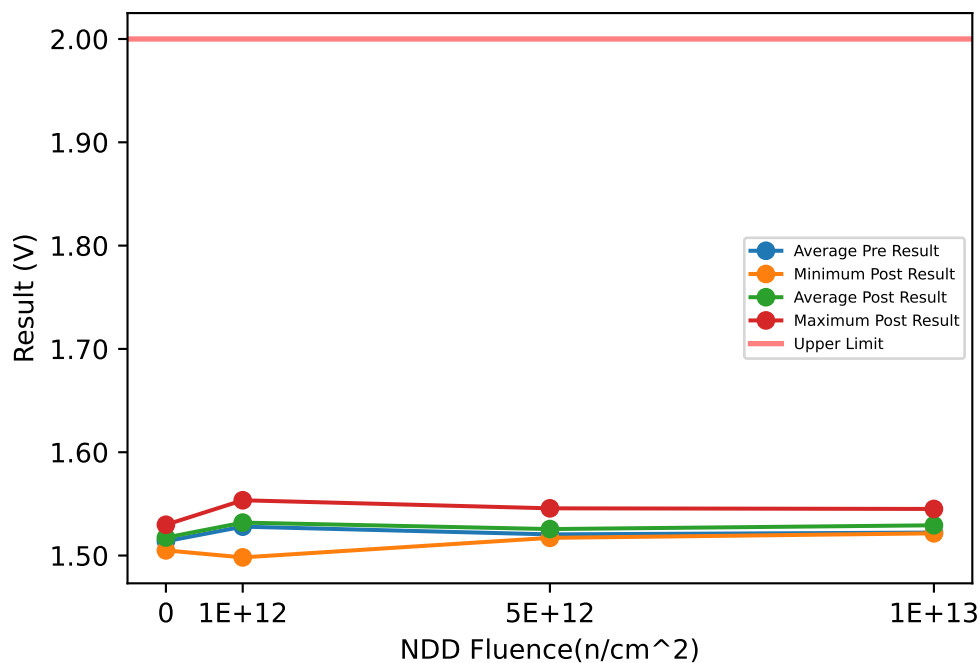


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3902	0.40895	0.4277	0.026517	0.141	0.21125	0.2815	0.099349	-0.2867	-0.1977	-0.1087	0.12587
1e+12	0.2685	0.3637	0.4277	0.06889	0.334	0.36292	0.4402	0.051581	-0.0905	-0.000775	0.0655	0.070387
5e+12	0.3559	0.38945	0.4402	0.036624	0.384	0.42768	0.4464	0.029378	-0.0032	0.038225	0.0905	0.042157
1e+13	0.3278	0.37772	0.4214	0.043453	0.3465	0.4464	0.5119	0.072932	0.0187	0.068675	0.1311	0.051786

Device Test: 15.140 VIN_VALID(_LEVEL|RISE/SEQ_DONE/7//0/0/0/@VIN_VALID)

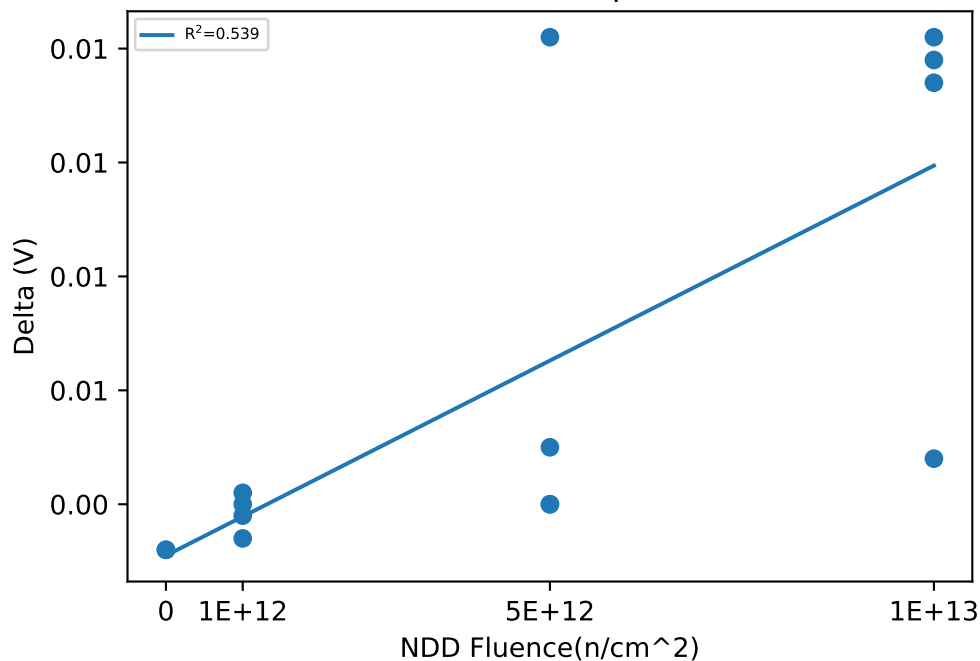
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5308	1.5348	0.004
2	1e+12	NDD Unbiased	1.4941	1.4982	0.0041
3	1e+12	NDD Unbiased	1.5496	1.5535	0.0039
4	1e+12	NDD Unbiased	1.5373	1.541	0.0037
5	5e+12	NDD Unbiased	1.5126	1.5171	0.0045
6	5e+12	NDD Unbiased	1.5181	1.5221	0.004
7	5e+12	NDD Unbiased	1.5417	1.5457	0.004
8	5e+12	NDD Unbiased	1.5095	1.5176	0.0081
9	1e+13	NDD Unbiased	1.5173	1.5217	0.0044
10	1e+13	NDD Unbiased	1.5134	1.5215	0.0081
11	1e+13	NDD Unbiased	1.5211	1.5288	0.0077
12	1e+13	NDD Unbiased	1.5372	1.5451	0.0079
53	0	Correlation	1.5262	1.5298	0.0036
54	0	Correlation	1.5014	1.505	0.0036

NDD vs Post - Pre Exposure Delta

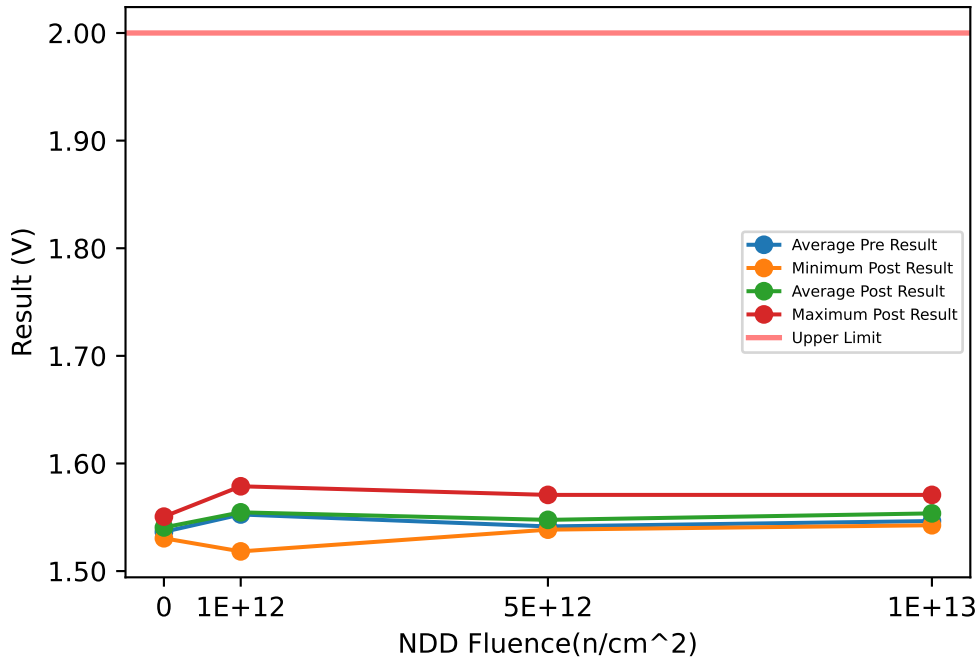


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5014	1.5138	1.5262	0.017536	1.505	1.5174	1.5298	0.017536	0.0036	0.0036	0.0036	1.5701e-16
1e+12	1.4941	1.528	1.5496	0.023875	1.4982	1.5319	1.5535	0.023759	0.0037	0.003925	0.0041	0.00017078
5e+12	1.5095	1.5205	1.5417	0.01459	1.5171	1.5256	1.5457	0.013571	0.004	0.00515	0.0081	0.0019807
1e+13	1.5134	1.5223	1.5372	0.010451	1.5215	1.5293	1.5451	0.011083	0.0044	0.007025	0.0081	0.0017576

Device Test: 15.141 VIN_VALID(_LEVEL|RISE/PWRGD/7//0/0/0/@VIN_VALID)

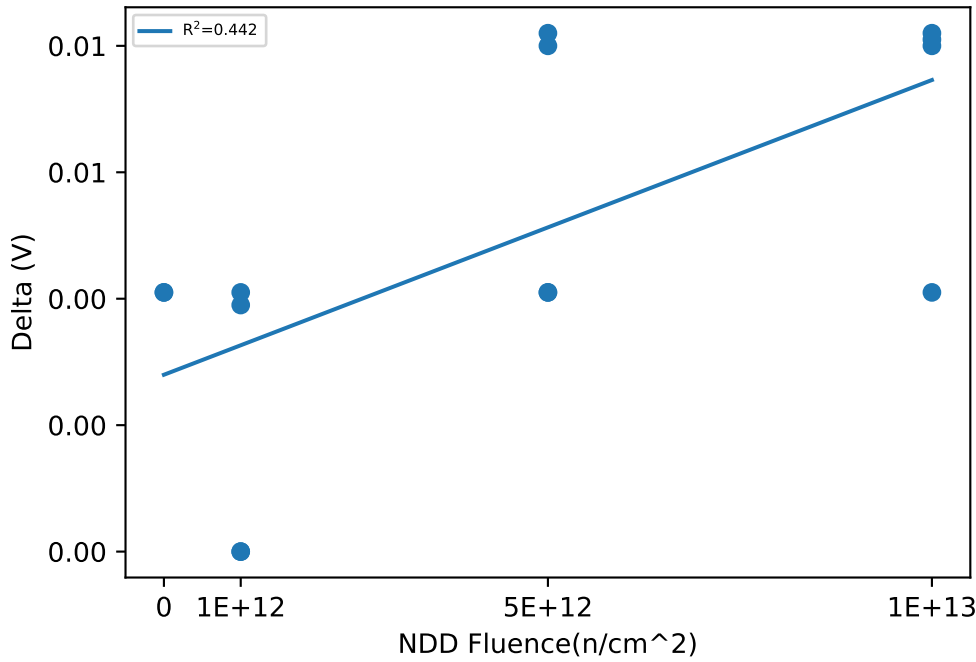
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.5546	1.5587	0.0041
2	1e+12	NDD Unbiased	1.5183	1.5183	0
3	1e+12	NDD Unbiased	1.5788	1.5788	0
4	1e+12	NDD Unbiased	1.5587	1.5626	0.0039
5	5e+12	NDD Unbiased	1.5344	1.5385	0.0041
6	5e+12	NDD Unbiased	1.5385	1.5426	0.0041
7	5e+12	NDD Unbiased	1.5626	1.5708	0.0082
8	5e+12	NDD Unbiased	1.5305	1.5385	0.008
9	1e+13	NDD Unbiased	1.5385	1.5426	0.0041
10	1e+13	NDD Unbiased	1.5385	1.5465	0.008
11	1e+13	NDD Unbiased	1.5465	1.5546	0.0081
12	1e+13	NDD Unbiased	1.5626	1.5708	0.0082
53	0	Correlation	1.5465	1.5506	0.0041
54	0	Correlation	1.5264	1.5305	0.0041

NDD vs Post - Pre Exposure Delta

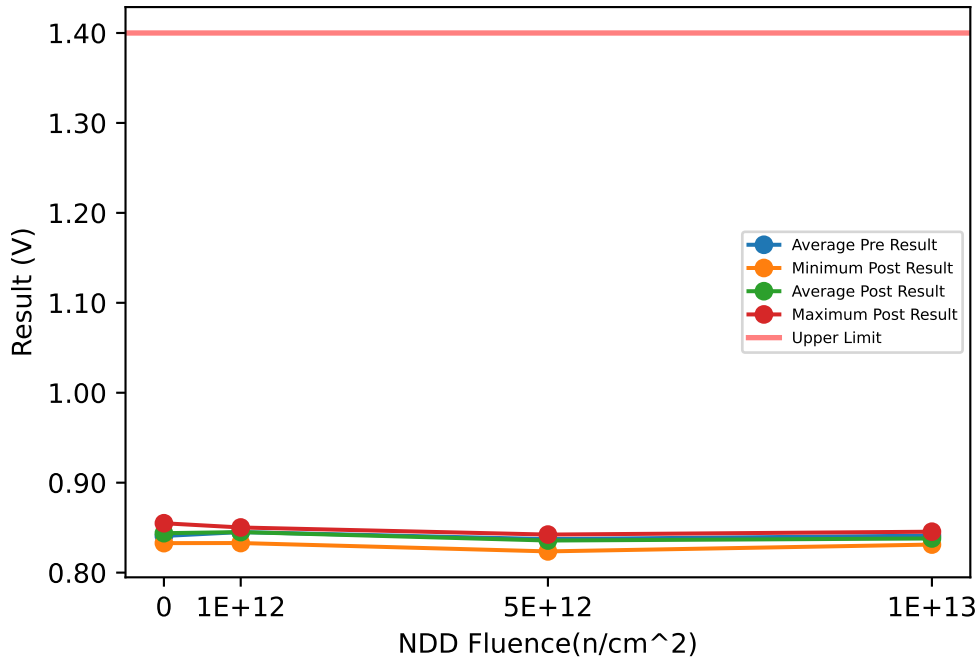


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5264	1.5364	1.5465	0.014213	1.5305	1.5406	1.5506	0.014213	0.0041	0.0041	0.0041	0
1e+12	1.5183	1.5526	1.5788	0.025194	1.5183	1.5546	1.5788	0.025717	0	0.002	0.0041	0.0023108
5e+12	1.5305	1.5415	1.5626	0.014441	1.5385	1.5476	1.5708	0.015587	0.0041	0.0061	0.0082	0.0023108
1e+13	1.5385	1.5465	1.5626	0.011361	1.5426	1.5536	1.5708	0.012493	0.0041	0.0071	0.0082	0.0020017

Device Test: 15.142 VPULLUP_VALID(_LEVEL|RISE/EN1//0/0/0/0.1/@VPULLUP_VALID)

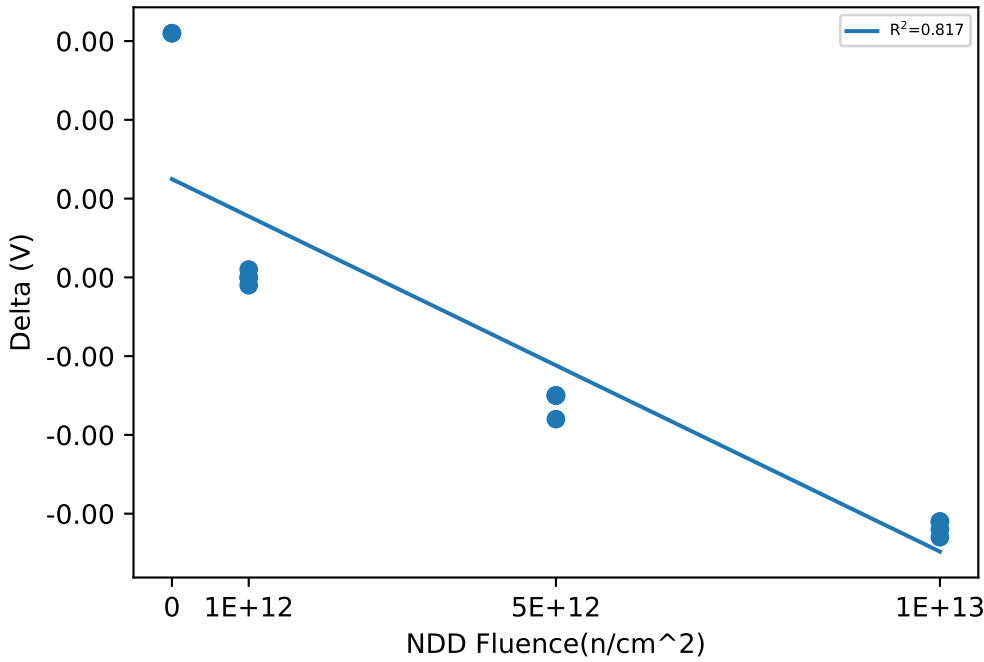
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.847	0.8471	0.0001
2	1e+12	NDD Unbiased	0.8502	0.8502	0
3	1e+12	NDD Unbiased	0.8501	0.8501	0
4	1e+12	NDD Unbiased	0.833	0.8329	-0.0001
5	5e+12	NDD Unbiased	0.8376	0.8361	-0.0015
6	5e+12	NDD Unbiased	0.8251	0.8236	-0.0015
7	5e+12	NDD Unbiased	0.8441	0.8423	-0.0018
8	5e+12	NDD Unbiased	0.8422	0.8407	-0.0015
9	1e+13	NDD Unbiased	0.8455	0.8422	-0.0033
10	1e+13	NDD Unbiased	0.8486	0.8455	-0.0031
11	1e+13	NDD Unbiased	0.8361	0.833	-0.0031
12	1e+13	NDD Unbiased	0.8344	0.8312	-0.0032
53	0	Correlation	0.8297	0.8328	0.0031
54	0	Correlation	0.8518	0.8549	0.0031

NDD vs Post - Pre Exposure Delta

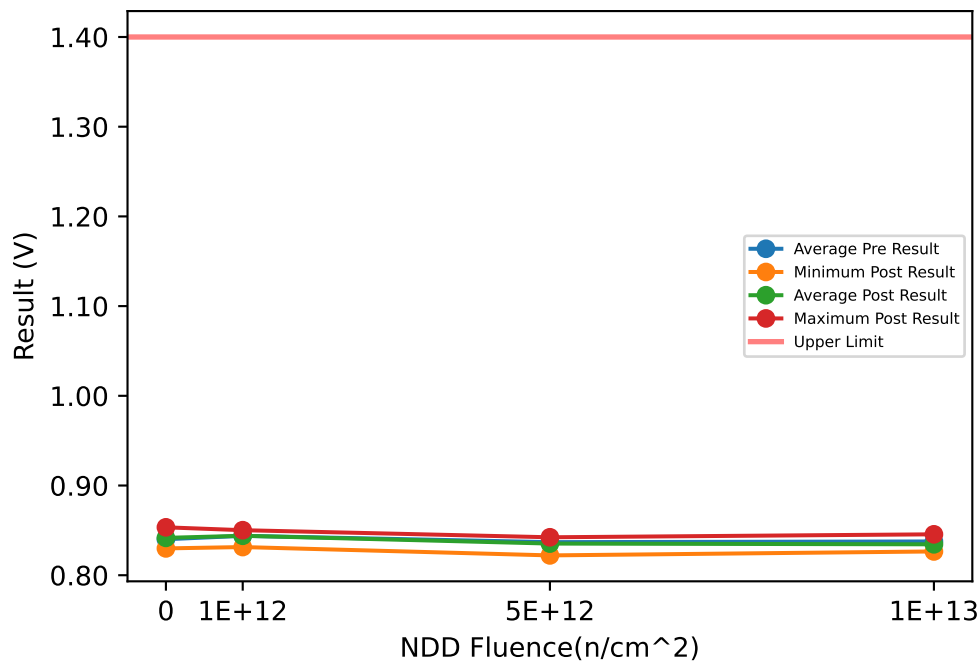


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8297	0.84075	0.8518	0.015627	0.8328	0.84385	0.8549	0.015627	0.0031	0.0031	0.0031	0
1e+12	0.833	0.84508	0.8502	0.0081859	0.8329	0.84508	0.8502	0.0082431	-0.0001	0	0.0001	8.165e-05
5e+12	0.8251	0.83725	0.8441	0.0085473	0.8236	0.83567	0.8423	0.0084681	-0.0018	-0.001575	-0.0015	0.00015
1e+13	0.8344	0.84115	0.8486	0.006964	0.8312	0.83798	0.8455	0.0069553	-0.0033	-0.003175	-0.0031	9.5743e-05

Device Test: 15.143 VPULLUP_VALID(_LEVEL|RISE/EN2//0/0/0/0.1/@VPULLUP_VALID)

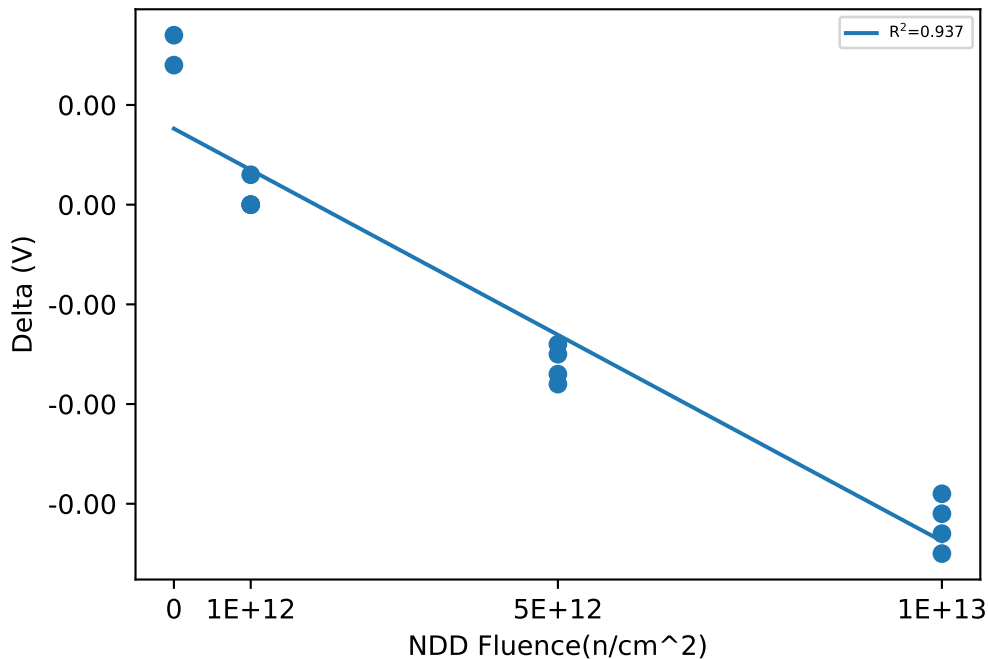
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8453	0.8456	0.0003
2	1e+12	NDD Unbiased	0.8502	0.8502	0
3	1e+12	NDD Unbiased	0.8487	0.8487	0
4	1e+12	NDD Unbiased	0.8314	0.8314	0
5	5e+12	NDD Unbiased	0.8362	0.8345	-0.0017
6	5e+12	NDD Unbiased	0.8235	0.8221	-0.0014
7	5e+12	NDD Unbiased	0.844	0.8422	-0.0018
8	5e+12	NDD Unbiased	0.8438	0.8423	-0.0015
9	1e+13	NDD Unbiased	0.8422	0.8391	-0.0031
10	1e+13	NDD Unbiased	0.8485	0.8456	-0.0029
11	1e+13	NDD Unbiased	0.83	0.8265	-0.0035
12	1e+13	NDD Unbiased	0.8299	0.8266	-0.0033
53	0	Correlation	0.8282	0.8299	0.0017
54	0	Correlation	0.852	0.8534	0.0014

NDD vs Post - Pre Exposure Delta

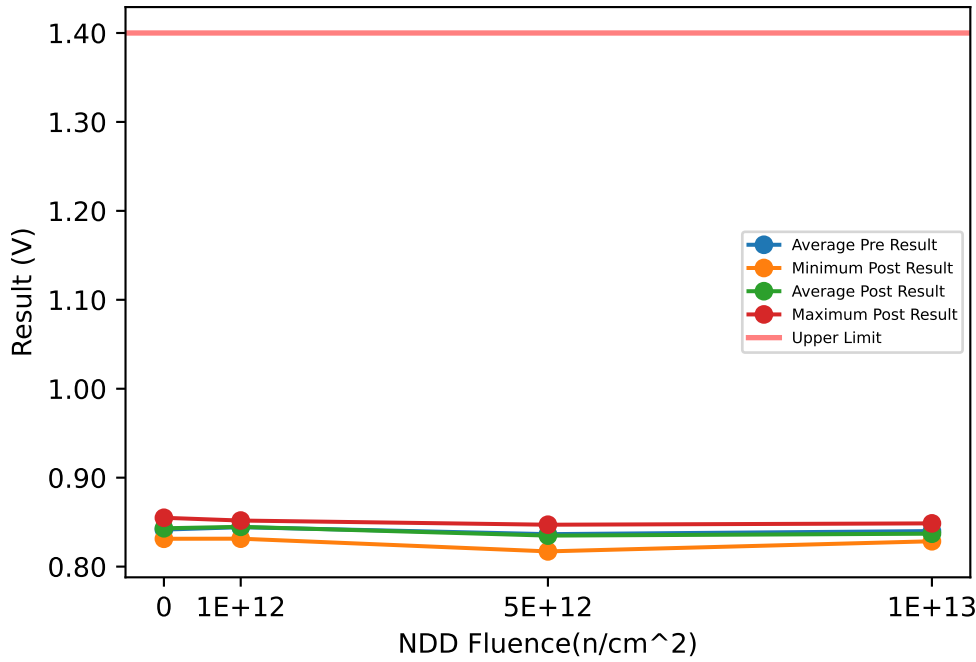


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8282	0.8401	0.852	0.016829	0.8299	0.84165	0.8534	0.016617	0.0014	0.00155	0.0017	0.00021213
1e+12	0.8314	0.8439	0.8502	0.0085818	0.8314	0.84398	0.8502	0.0085994	0	7.5e-05	0.0003	0.00015
5e+12	0.8235	0.83688	0.844	0.0096275	0.8221	0.83527	0.8423	0.0095129	-0.0018	-0.0016	-0.0014	0.00018257
1e+13	0.8299	0.83765	0.8485	0.0092558	0.8265	0.83445	0.8456	0.0095004	-0.0035	-0.0032	-0.0029	0.0002582

Device Test: 15.144 VPULLUP_VALID(_LEVEL|RISE/EN3//0/0/0/0.1/@VPULLUP_VALID)

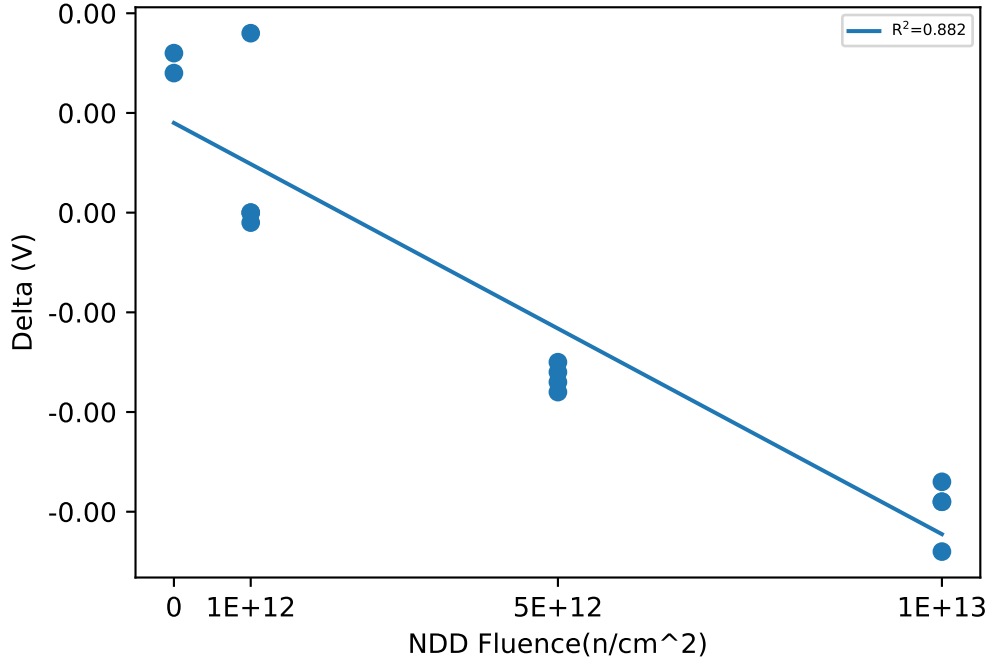
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8438	0.8456	0.0018
2	1e+12	NDD Unbiased	0.8502	0.8501	-0.0001
3	1e+12	NDD Unbiased	0.8518	0.8518	0
4	1e+12	NDD Unbiased	0.8314	0.8314	0
5	5e+12	NDD Unbiased	0.8329	0.8312	-0.0017
6	5e+12	NDD Unbiased	0.8189	0.8171	-0.0018
7	5e+12	NDD Unbiased	0.8487	0.8471	-0.0016
8	5e+12	NDD Unbiased	0.8455	0.844	-0.0015
9	1e+13	NDD Unbiased	0.8423	0.8394	-0.0029
10	1e+13	NDD Unbiased	0.852	0.8486	-0.0034
11	1e+13	NDD Unbiased	0.8344	0.8315	-0.0029
12	1e+13	NDD Unbiased	0.8312	0.8285	-0.0027
53	0	Correlation	0.8299	0.8313	0.0014
54	0	Correlation	0.8533	0.8549	0.0016

NDD vs Post - Pre Exposure Delta

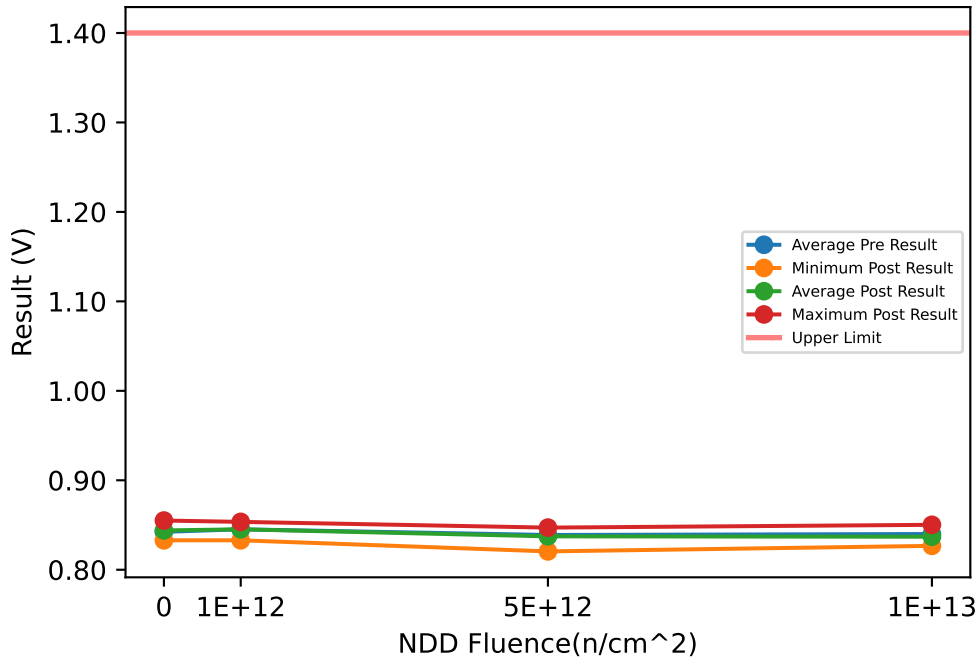


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8299	0.8416	0.8533	0.016546	0.8313	0.8431	0.8549	0.016688	0.0014	0.0015	0.0016	0.00014142
1e+12	0.8314	0.8443	0.8518	0.0092686	0.8314	0.84472	0.8518	0.0092604	-0.0001	0.000425	0.0018	0.00091788
5e+12	0.8189	0.8365	0.8487	0.013572	0.8171	0.83485	0.8471	0.013689	-0.0018	-0.00165	-0.0015	0.0001291
1e+13	0.8312	0.83998	0.852	0.0092752	0.8285	0.837	0.8486	0.0089967	-0.0034	-0.002975	-0.0027	0.00029861

Device Test: 15.145 VPULLUP_VALID(_LEVEL|RISE/EN4//0/0/0/0.1/@VPULLUP_VALID)

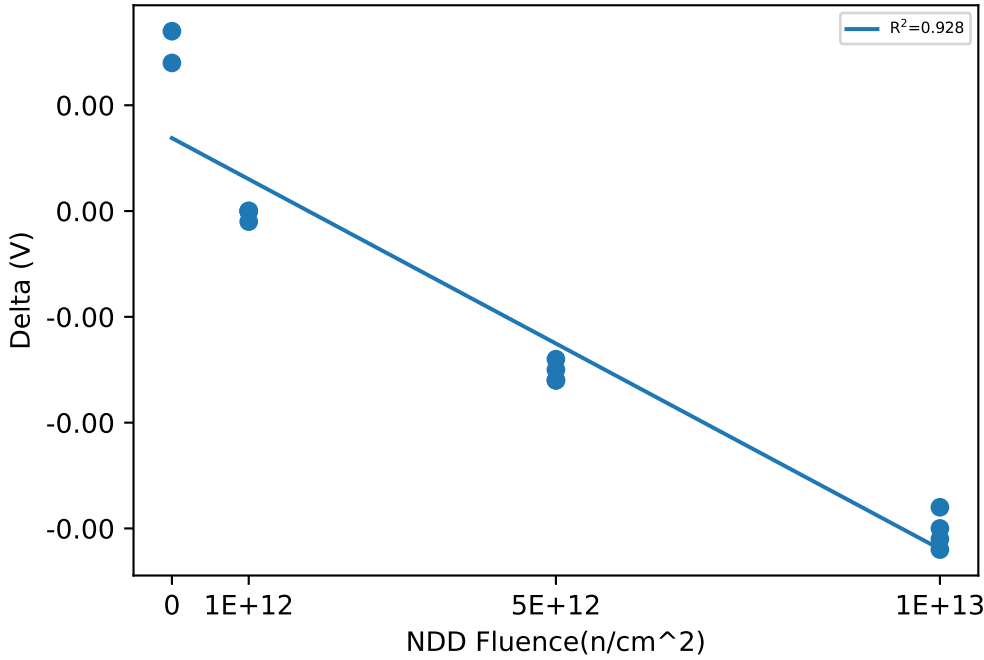
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8456	0.8455	-0.0001
2	1e+12	NDD Unbiased	0.8535	0.8535	0
3	1e+12	NDD Unbiased	0.8487	0.8487	0
4	1e+12	NDD Unbiased	0.8329	0.8329	0
5	5e+12	NDD Unbiased	0.8376	0.8362	-0.0014
6	5e+12	NDD Unbiased	0.8221	0.8205	-0.0016
7	5e+12	NDD Unbiased	0.8487	0.8471	-0.0016
8	5e+12	NDD Unbiased	0.847	0.8455	-0.0015
9	1e+13	NDD Unbiased	0.8455	0.8423	-0.0032
10	1e+13	NDD Unbiased	0.8533	0.8502	-0.0031
11	1e+13	NDD Unbiased	0.8312	0.8284	-0.0028
12	1e+13	NDD Unbiased	0.8297	0.8267	-0.003
53	0	Correlation	0.8312	0.8329	0.0017
54	0	Correlation	0.8536	0.855	0.0014

NDD vs Post - Pre Exposure Delta

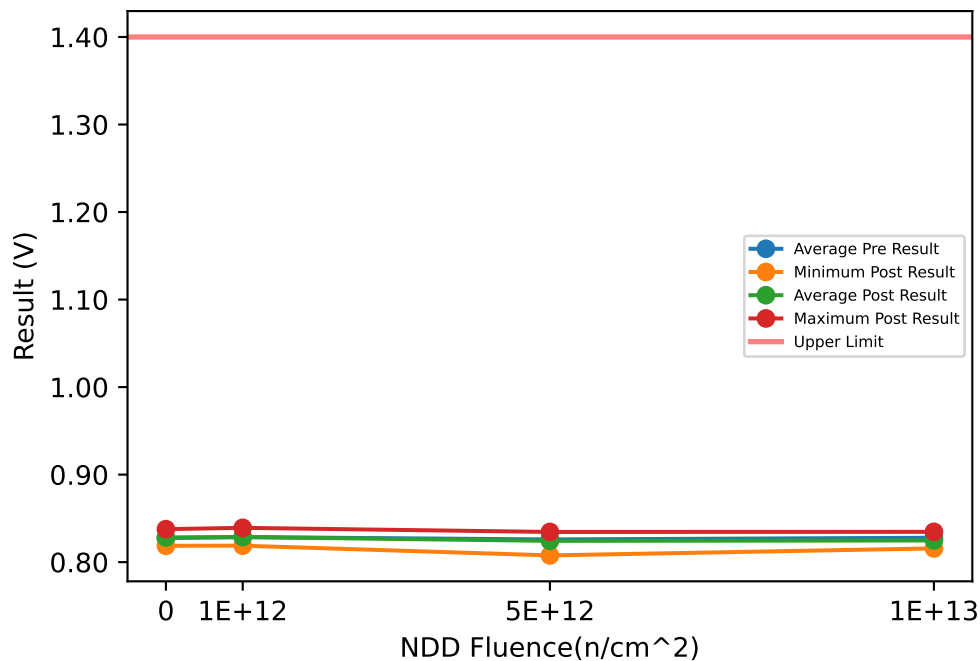


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8312	0.8424	0.8536	0.015839	0.8329	0.84395	0.855	0.015627	0.0014	0.00155	0.0017	0.00021213
1e+12	0.8329	0.84518	0.8535	0.0088051	0.8329	0.84515	0.8535	0.0088036	-0.0001	-2.5e-05	0	5e-05
5e+12	0.8221	0.83885	0.8487	0.012187	0.8205	0.83732	0.8471	0.012203	-0.0016	-0.001525	-0.0014	9.5743e-05
1e+13	0.8297	0.83993	0.8533	0.011411	0.8267	0.8369	0.8502	0.011289	-0.0032	-0.003025	-0.0028	0.00017078

Device Test: 15.146 VPULLUP_VALID(_LEVEL|RISE/SEQ_DONE//0/0/0/0.1/@VPULLUP_VALID)

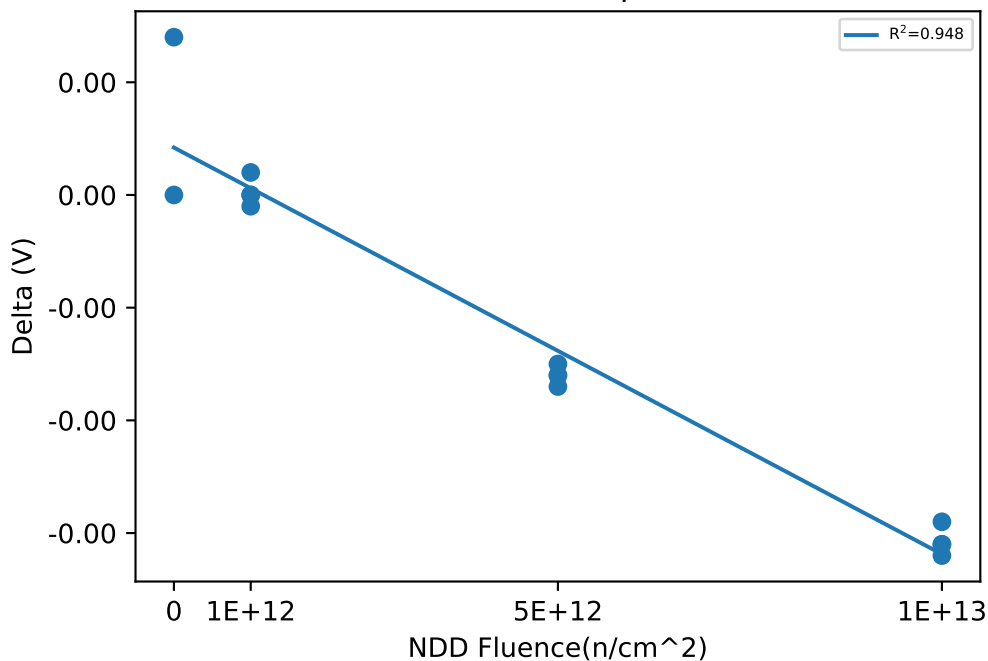
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8298	0.83	0.0002
2	1e+12	NDD Unbiased	0.8266	0.8266	0
3	1e+12	NDD Unbiased	0.8393	0.8392	-0.0001
4	1e+12	NDD Unbiased	0.8188	0.8188	0
5	5e+12	NDD Unbiased	0.8236	0.8221	-0.0015
6	5e+12	NDD Unbiased	0.8093	0.8077	-0.0016
7	5e+12	NDD Unbiased	0.8362	0.8345	-0.0017
8	5e+12	NDD Unbiased	0.8346	0.833	-0.0016
9	1e+13	NDD Unbiased	0.833	0.8298	-0.0032
10	1e+13	NDD Unbiased	0.8377	0.8346	-0.0031
11	1e+13	NDD Unbiased	0.8221	0.819	-0.0031
12	1e+13	NDD Unbiased	0.8186	0.8157	-0.0029
53	0	Correlation	0.8173	0.8187	0.0014
54	0	Correlation	0.8377	0.8377	0

NDD vs Post - Pre Exposure Delta

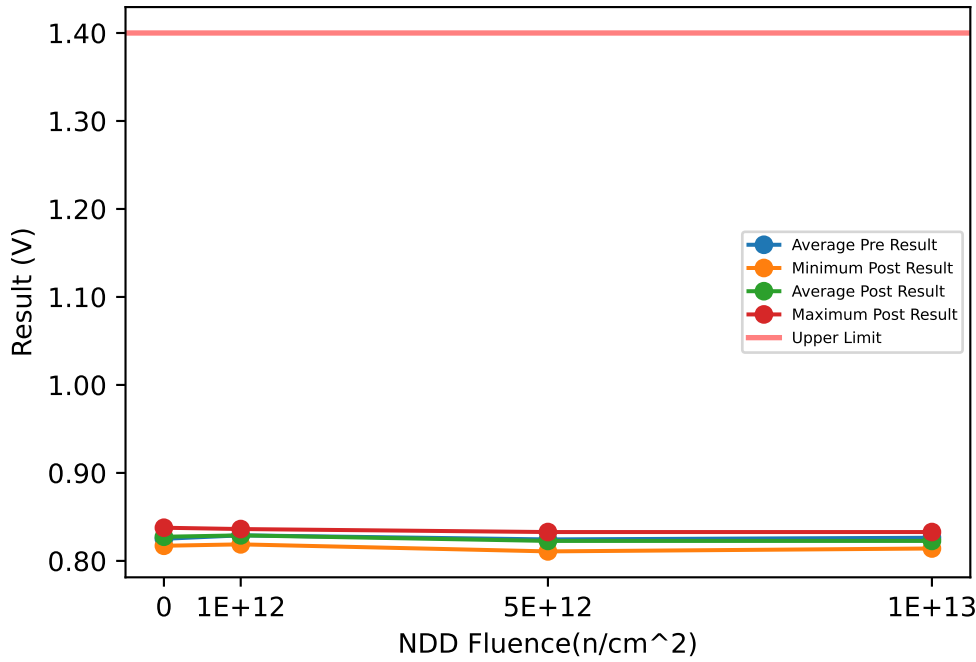


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8173	0.8275	0.8377	0.014425	0.8187	0.8282	0.8377	0.013435	0	0.0007	0.0014	0.00098995
1e+12	0.8188	0.82862	0.8393	0.0084846	0.8188	0.82865	0.8392	0.0084528	-0.0001	2.5e-05	0.0002	0.00012583
5e+12	0.8093	0.82593	0.8362	0.012418	0.8077	0.82432	0.8345	0.012384	-0.0017	-0.0016	-0.0015	8.165e-05
1e+13	0.8186	0.82785	0.8377	0.0089846	0.8157	0.82478	0.8346	0.0088973	-0.0032	-0.003075	-0.0029	0.00012583

Device Test: 15.147 VPULLUP_VALID(_LEVEL|RISE/PWRGD//0/0/0/0.1/@VPULLUP_VALID)

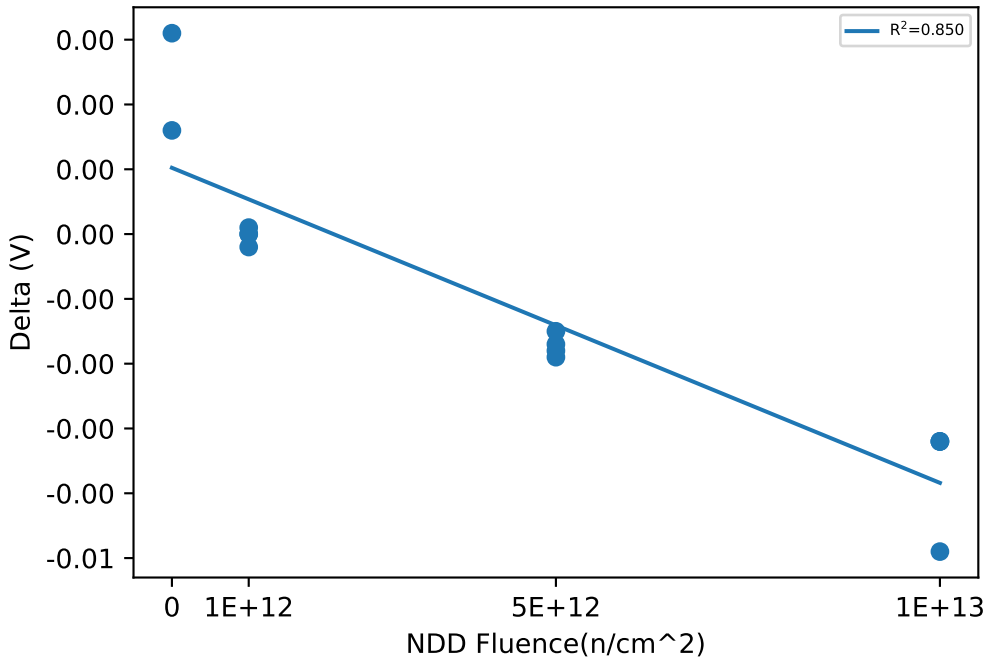
NDD vs Result Stats



Test Results (Upper Limit = 1.4 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8328	0.8328	0
2	1e+12	NDD Unbiased	0.8285	0.8283	-0.0002
3	1e+12	NDD Unbiased	0.8362	0.8362	0
4	1e+12	NDD Unbiased	0.8187	0.8188	0.0001
5	5e+12	NDD Unbiased	0.8221	0.8206	-0.0015
6	5e+12	NDD Unbiased	0.8125	0.8108	-0.0017
7	5e+12	NDD Unbiased	0.8346	0.8328	-0.0018
8	5e+12	NDD Unbiased	0.8285	0.8266	-0.0019
9	1e+13	NDD Unbiased	0.8315	0.8283	-0.0032
10	1e+13	NDD Unbiased	0.8377	0.8328	-0.0049
11	1e+13	NDD Unbiased	0.8188	0.8156	-0.0032
12	1e+13	NDD Unbiased	0.8173	0.8141	-0.0032
53	0	Correlation	0.8141	0.8172	0.0031
54	0	Correlation	0.8361	0.8377	0.0016

NDD vs Post - Pre Exposure Delta

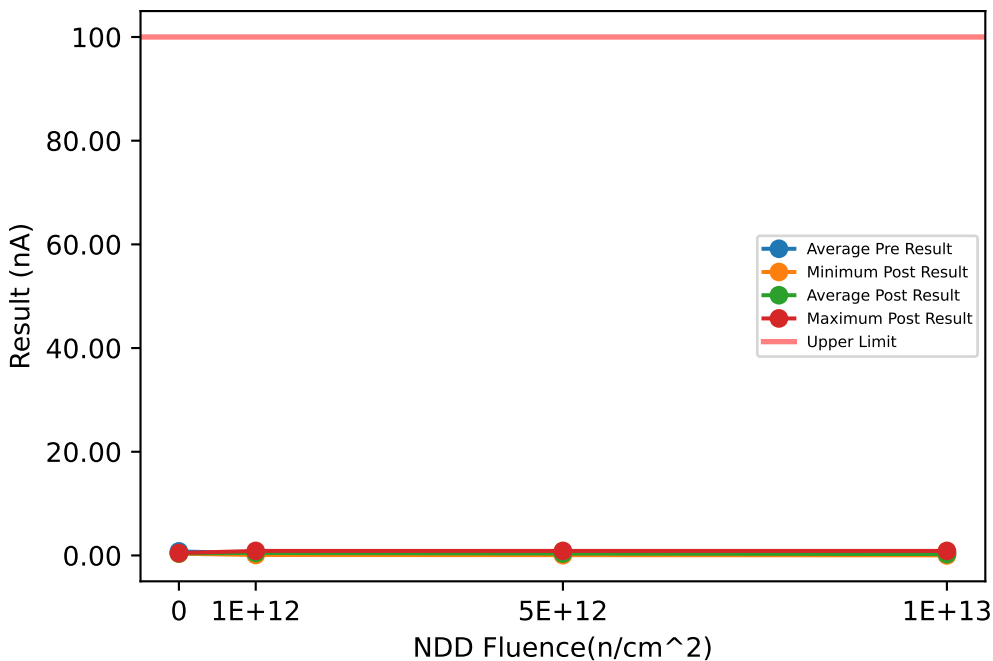


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8141	0.8251	0.8361	0.015556	0.8172	0.82745	0.8377	0.014496	0.0016	0.00235	0.0031	0.0010607
1e+12	0.8187	0.82905	0.8362	0.0075853	0.8188	0.82903	0.8362	0.0075456	-0.0002	-2.5e-05	0.0001	0.00012583
5e+12	0.8125	0.82442	0.8346	0.0094472	0.8108	0.8227	0.8328	0.0093673	-0.0019	-0.001725	-0.0015	0.00017078
1e+13	0.8173	0.82632	0.8377	0.0099037	0.8141	0.8227	0.8328	0.0092689	-0.0049	-0.003625	-0.0032	0.00085

Device Test: 15.15 ILKG_SENSE(_LEAKAGE|SENSE3/SENSE3//3/0/0/0/@ILKG_SENSE)

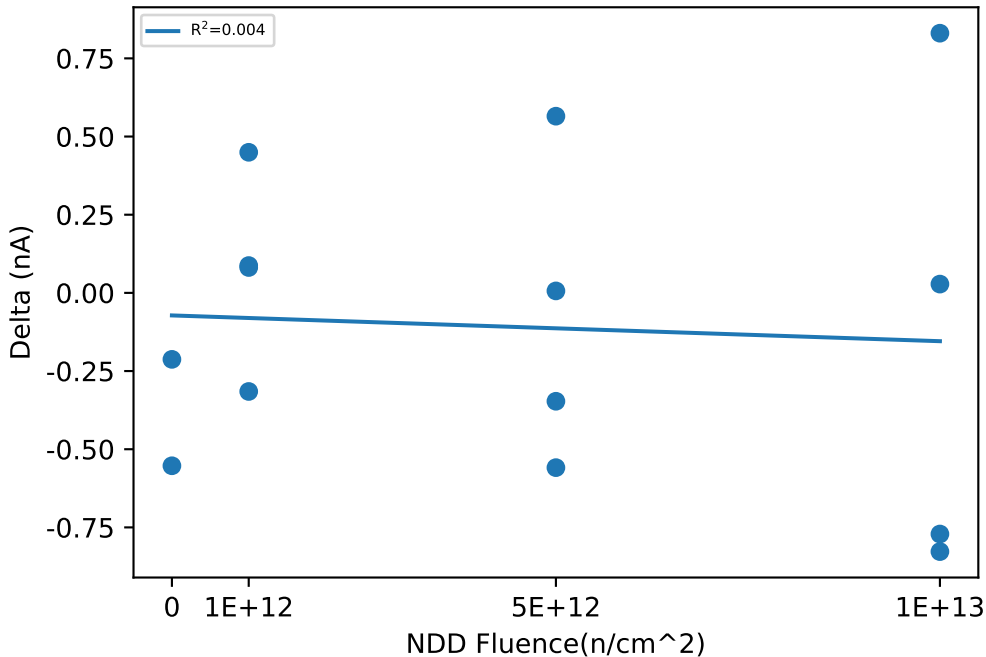
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.0033	0.0841	0.0874
2	1e+12	NDD Unbiased	0.7897	0.8709	0.0812
3	1e+12	NDD Unbiased	0.7616	0.4463	-0.3153
4	1e+12	NDD Unbiased	0.0404	0.49	0.4496
5	5e+12	NDD Unbiased	0.6118	0.0529	-0.5589
6	5e+12	NDD Unbiased	0.1278	0.1341	0.0063
7	5e+12	NDD Unbiased	0.7585	0.4119	-0.3466
8	5e+12	NDD Unbiased	0.3089	0.874	0.5651
9	1e+13	NDD Unbiased	0.7804	0.0092	-0.7712
10	1e+13	NDD Unbiased	0.8803	0.0529	-0.8274
11	1e+13	NDD Unbiased	0.0435	0.874	0.8305
12	1e+13	NDD Unbiased	0.0685	0.0966	0.0281
53	0	Correlation	0.6742	0.4616	-0.2126
54	0	Correlation	0.8896	0.3367	-0.5529

NDD vs Post - Pre Exposure Delta

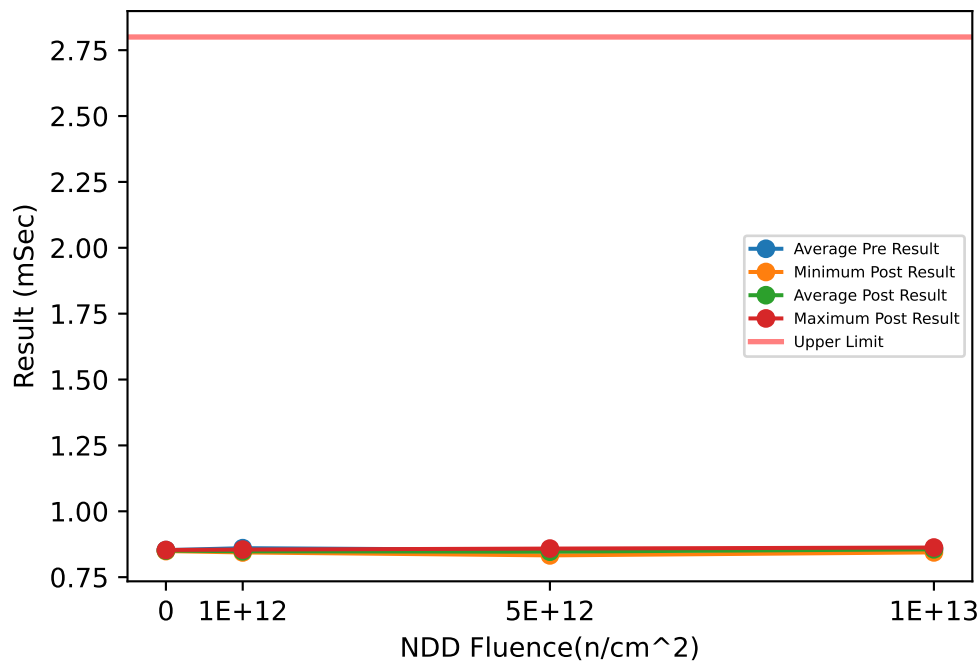


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6742	0.7819	0.8896	0.15231	0.3367	0.39915	0.4616	0.088318	-0.5529	-0.38275	-0.2126	0.24063
1e+12	-0.0033	0.3971	0.7897	0.43763	0.0841	0.47282	0.8709	0.32175	-0.3153	0.075725	0.4496	0.31244
5e+12	0.1278	0.45175	0.7585	0.28581	0.0529	0.36823	0.874	0.37057	-0.5589	-0.083525	0.5651	0.49125
1e+13	0.0435	0.44317	0.8803	0.44904	0.0092	0.25817	0.874	0.4121	-0.8274	-0.185	0.8305	0.78166

Device Test: 15.151 T_SD(_TIMING|START/IN//12/0/0/0/@T_SD)

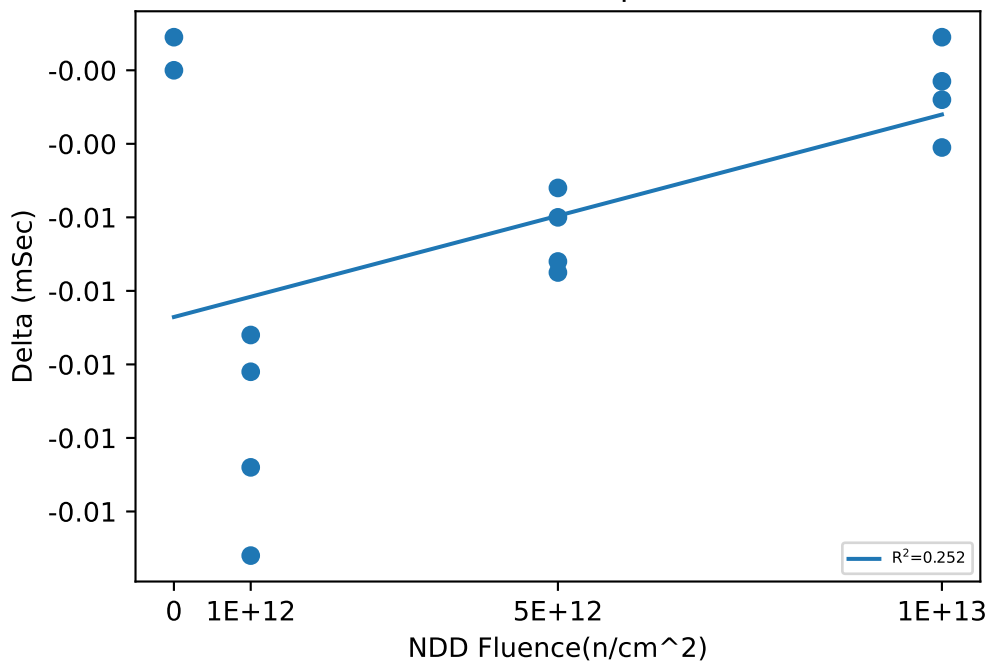
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8699	0.8547	-0.0152
2	1e+12	NDD Unbiased	0.8539	0.8437	-0.0102
3	1e+12	NDD Unbiased	0.8595	0.8503	-0.0092
4	1e+12	NDD Unbiased	0.8569	0.8441	-0.0128
5	5e+12	NDD Unbiased	0.8401	0.8326	-0.0075
6	5e+12	NDD Unbiased	0.8574	0.8514	-0.006
7	5e+12	NDD Unbiased	0.8657	0.8585	-0.0072
8	5e+12	NDD Unbiased	0.8494	0.8442	-0.0052
9	1e+13	NDD Unbiased	0.8468	0.844	-0.0028
10	1e+13	NDD Unbiased	0.8604	0.8563	-0.0041
11	1e+13	NDD Unbiased	0.8611	0.86	-0.0011
12	1e+13	NDD Unbiased	0.8648	0.8625	-0.0023
53	0	Correlation	0.8543	0.8532	-0.0011
54	0	Correlation	0.8509	0.8489	-0.002

NDD vs Post - Pre Exposure Delta

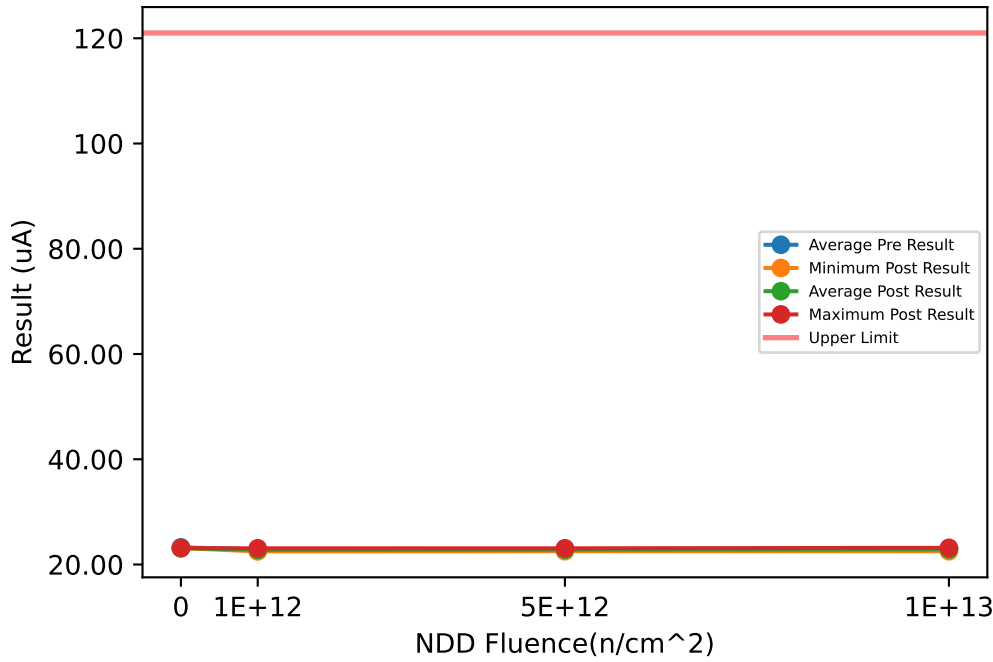


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8509	0.8526	0.8543	0.0024042	0.8489	0.85105	0.8532	0.0030406	-0.002	-0.00155	-0.0011	0.0006364
1e+12	0.8539	0.86005	0.8699	0.0069539	0.8437	0.8482	0.8547	0.0052827	-0.0152	-0.01185	-0.0092	0.0027
5e+12	0.8401	0.85315	0.8657	0.010953	0.8326	0.84668	0.8585	0.011051	-0.0075	-0.006475	-0.0052	0.0010689
1e+13	0.8468	0.85828	0.8648	0.0078898	0.844	0.8557	0.8625	0.0082053	-0.0041	-0.002575	-0.0011	0.001242

Device Test: 15.152 PULL_UP_LKG(_LEAKAGE|MIN/PULLUP1/7/3////@PULL_UP_LKG)

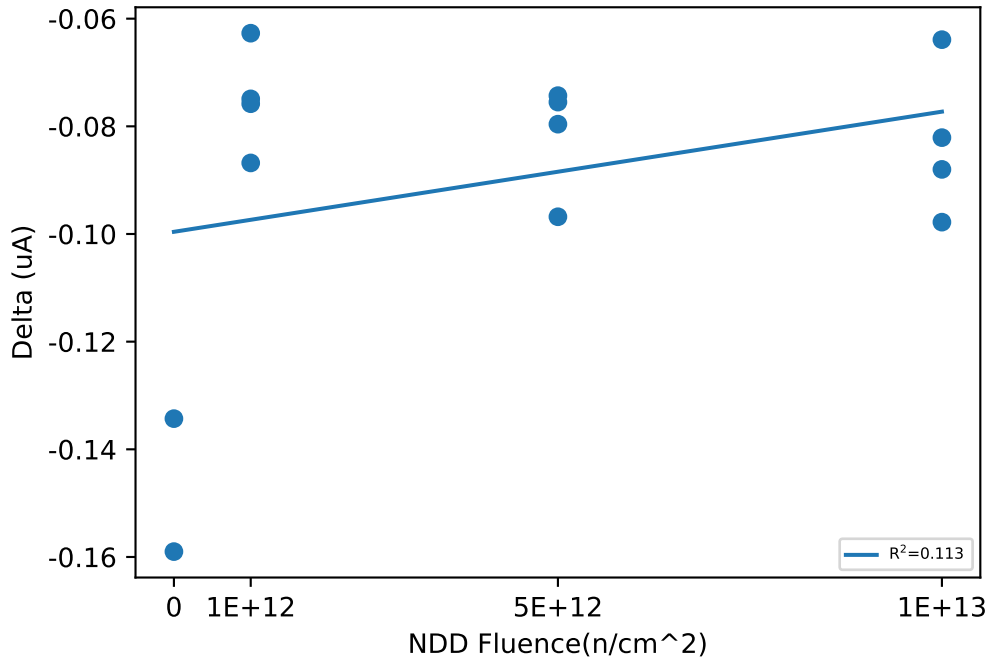
NDD vs Result Stats



Test Results (Upper Limit = 121.0 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	22.576	22.489	-0.0868
2	1e+12	NDD Unbiased	22.635	22.559	-0.0758
3	1e+12	NDD Unbiased	23.043	22.968	-0.0749
4	1e+12	NDD Unbiased	23.141	23.078	-0.0627
5	5e+12	NDD Unbiased	23.173	23.076	-0.0968
6	5e+12	NDD Unbiased	23.079	23.004	-0.0755
7	5e+12	NDD Unbiased	22.742	22.662	-0.0796
8	5e+12	NDD Unbiased	22.602	22.528	-0.0743
9	1e+13	NDD Unbiased	22.615	22.518	-0.0978
10	1e+13	NDD Unbiased	22.757	22.675	-0.0821
11	1e+13	NDD Unbiased	23.178	23.09	-0.088
12	1e+13	NDD Unbiased	23.232	23.168	-0.0639
53	0	Correlation	23.277	23.118	-0.159
54	0	Correlation	23.25	23.115	-0.1343

NDD vs Post - Pre Exposure Delta

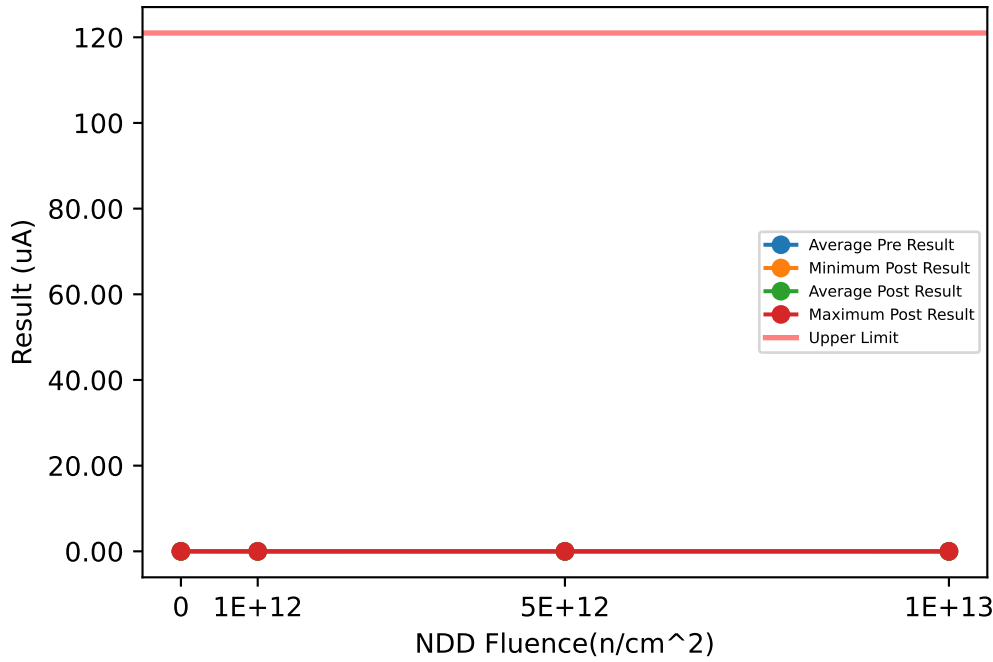


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.25	23.263	23.277	0.019233	23.115	23.117	23.118	0.0017678	-0.159	-0.14665	-0.1343	0.017466
1e+12	22.576	22.849	23.141	0.2845	22.489	22.774	23.078	0.29275	-0.0868	-0.07505	-0.0627	0.0098517
5e+12	22.602	22.899	23.173	0.2709	22.528	22.818	23.076	0.2642	-0.0968	-0.08155	-0.0743	0.010417
1e+13	22.615	22.946	23.232	0.30593	22.518	22.863	23.168	0.31594	-0.0978	-0.08295	-0.0639	0.014255

Device Test: 15.153 PULL_UP_LKG(_LEAKAGE|MIN/PULLUP2/7/3////@PULL_UP_LKG)

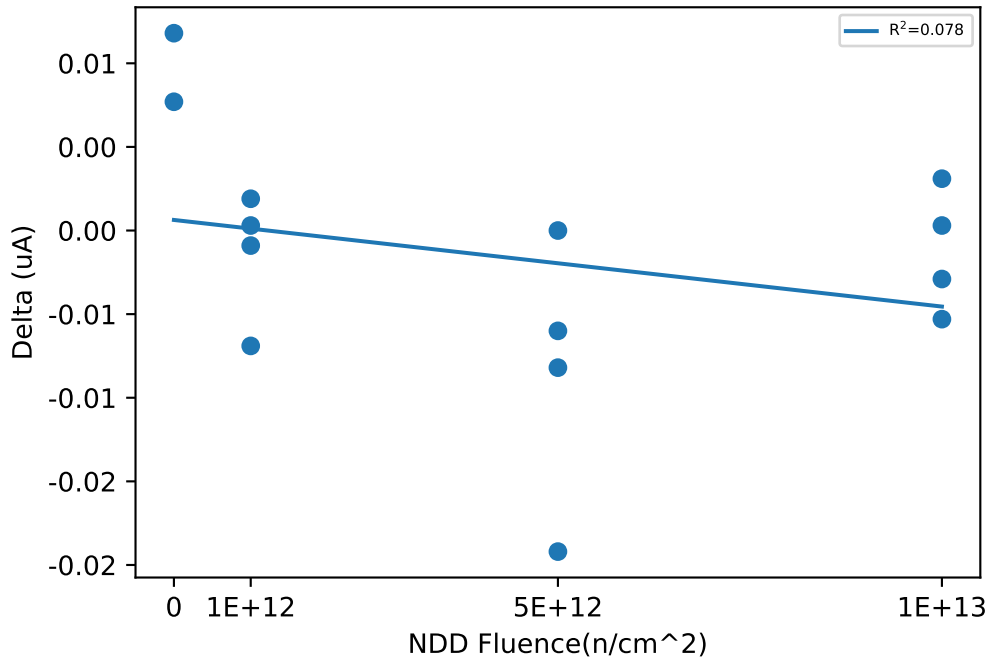
NDD vs Result Stats



Test Results (Upper Limit = 121.0 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.0075	-0.0084	-0.0009
2	1e+12	NDD Unbiased	-0.0044	-0.0113	-0.0069
3	1e+12	NDD Unbiased	-0.0188	-0.0169	0.0019
4	1e+12	NDD Unbiased	-0.0128	-0.0125	0.0003
5	5e+12	NDD Unbiased	-0.0066	-0.0066	0
6	5e+12	NDD Unbiased	-0.0062	-0.0144	-0.0082
7	5e+12	NDD Unbiased	-0.0084	-0.0144	-0.006
8	5e+12	NDD Unbiased	0.0032	-0.016	-0.0192
9	1e+13	NDD Unbiased	-0.0128	-0.0097	0.0031
10	1e+13	NDD Unbiased	-0.0084	-0.0113	-0.0029
11	1e+13	NDD Unbiased	-0.0062	-0.0059	0.0003
12	1e+13	NDD Unbiased	-0.0091	-0.0144	-0.0053
53	0	Correlation	-0.0097	0.0021	0.0118
54	0	Correlation	-0.0075	0.0002	0.0077

NDD vs Post - Pre Exposure Delta

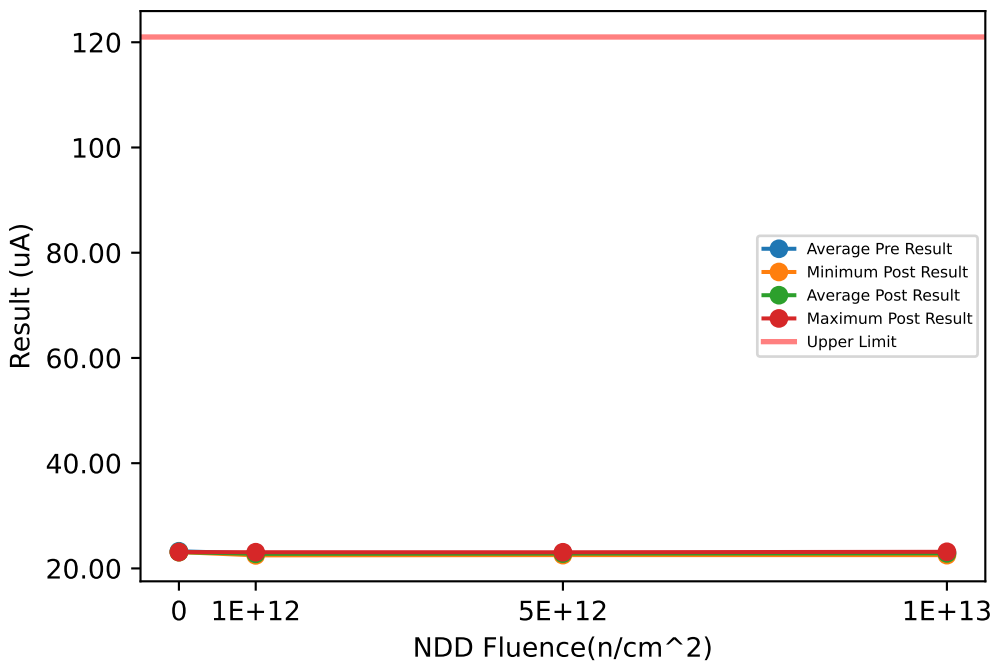


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.0097	-0.0086	-0.0075	0.0015556	0.0002	0.00115	0.0021	0.0013435	0.0077	0.00975	0.0118	0.0028991
1e+12	-0.0188	-0.010875	-0.0044	0.00632	-0.0169	-0.012275	-0.0084	0.0035312	-0.0069	-0.0014	0.0019	0.0038419
5e+12	-0.0084	-0.0045	0.0032	0.0052217	-0.016	-0.01285	-0.0066	0.0042344	-0.0192	-0.00835	0	0.0080206
1e+13	-0.0128	-0.009125	-0.0062	0.0027439	-0.0144	-0.010325	-0.0059	0.0035368	-0.0053	-0.0012	0.0031	0.0036715

Device Test: 15.154 PULL_UP_LKG(_LEAKAGE|MAX/PULLUP1/7/14////@PULL_UP_LKG)

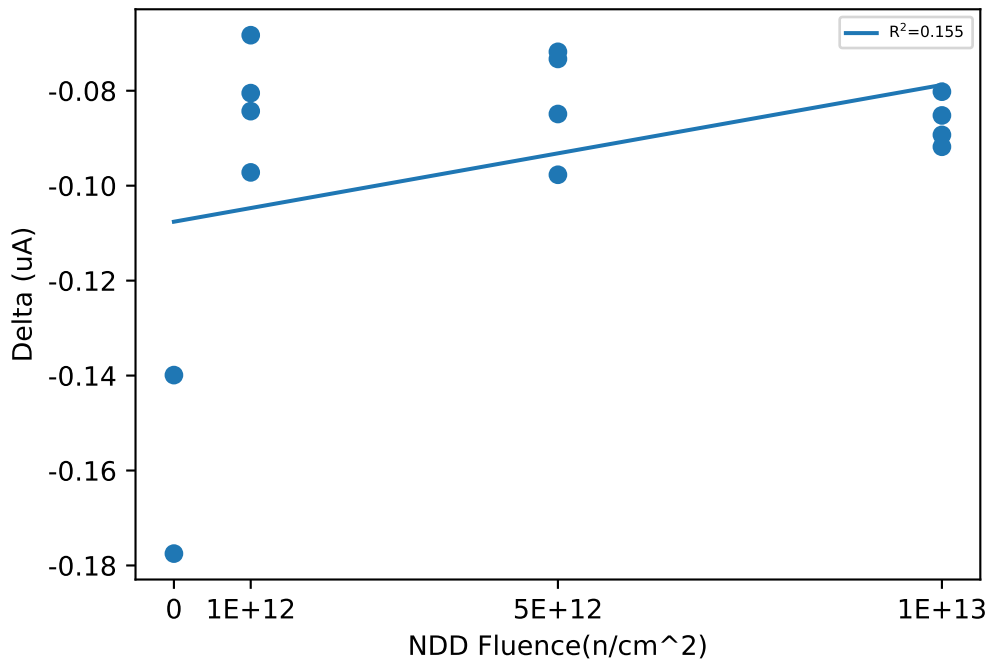
NDD vs Result Stats



Test Results (Upper Limit = 121.0 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	22.573	22.476	-0.0972
2	1e+12	NDD Unbiased	22.63	22.545	-0.0843
3	1e+12	NDD Unbiased	23.05	22.97	-0.0805
4	1e+12	NDD Unbiased	23.152	23.083	-0.0683
5	5e+12	NDD Unbiased	23.169	23.072	-0.0977
6	5e+12	NDD Unbiased	23.085	23	-0.0849
7	5e+12	NDD Unbiased	22.738	22.665	-0.0733
8	5e+12	NDD Unbiased	22.599	22.527	-0.0718
9	1e+13	NDD Unbiased	22.609	22.52	-0.0893
10	1e+13	NDD Unbiased	22.752	22.667	-0.0852
11	1e+13	NDD Unbiased	23.18	23.088	-0.0918
12	1e+13	NDD Unbiased	23.241	23.161	-0.0802
53	0	Correlation	23.28	23.103	-0.1775
54	0	Correlation	23.25	23.11	-0.1399

NDD vs Post - Pre Exposure Delta

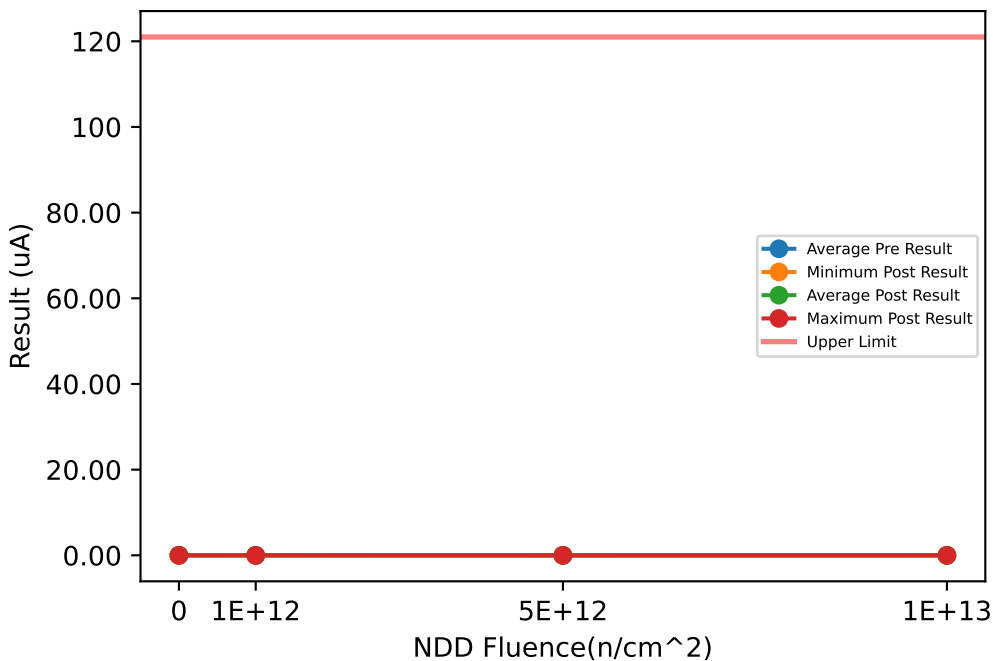


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.25	23.265	23.28	0.021284	23.103	23.107	23.11	0.0053033	-0.1775	-0.1587	-0.1399	0.026587
1e+12	22.573	22.851	23.152	0.29226	22.476	22.768	23.083	0.30275	-0.0972	-0.082575	-0.0683	0.011902
5e+12	22.599	22.898	23.169	0.27308	22.527	22.816	23.072	0.26183	-0.0977	-0.081925	-0.0718	0.012036
1e+13	22.609	22.945	23.241	0.31244	22.52	22.859	23.161	0.31387	-0.0918	-0.086625	-0.0802	0.0050744

Device Test: 15.155 PULL_UP_LKG(_LEAKAGE|MAX/PULLUP2/7/14////@PULL_UP_LKG)

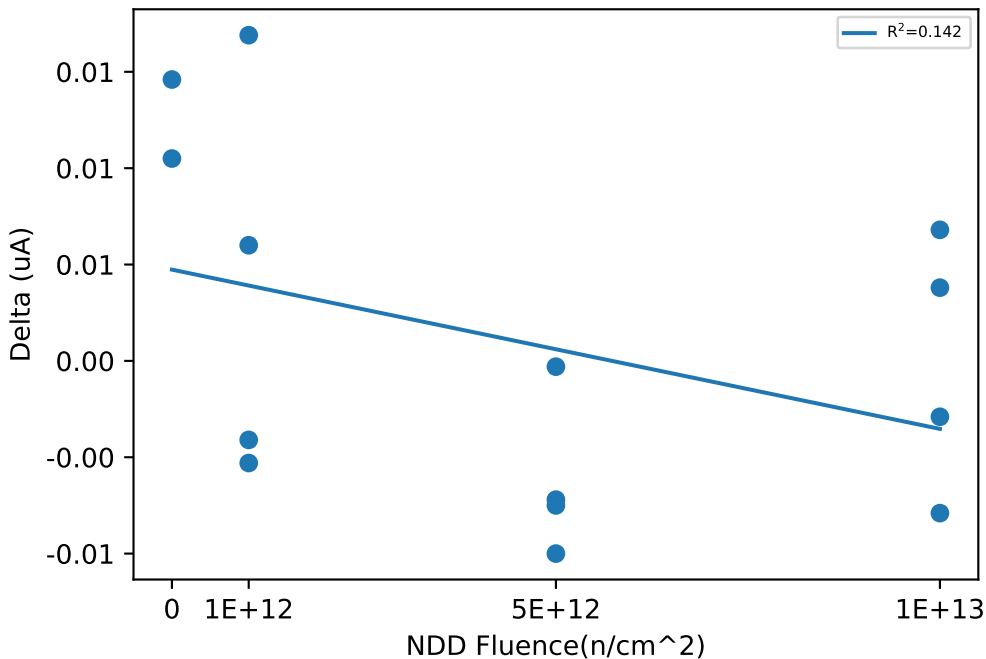
NDD vs Result Stats



Test Results (Upper Limit = 121.0 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.0144	-0.0084	0.006
2	1e+12	NDD Unbiased	-0.0094	-0.0147	-0.0053
3	1e+12	NDD Unbiased	-0.0178	-0.0009	0.0169
4	1e+12	NDD Unbiased	-0.0059	-0.01	-0.0041
5	5e+12	NDD Unbiased	-0.0125	-0.0128	-0.0003
6	5e+12	NDD Unbiased	-0.0075	-0.0175	-0.01
7	5e+12	NDD Unbiased	-0.0069	-0.0144	-0.0075
8	5e+12	NDD Unbiased	-0.0103	-0.0175	-0.0072
9	1e+13	NDD Unbiased	-0.0062	-0.0091	-0.0029
10	1e+13	NDD Unbiased	-0.0037	-0.0116	-0.0079
11	1e+13	NDD Unbiased	-0.0134	-0.0066	0.0068
12	1e+13	NDD Unbiased	-0.0144	-0.0106	0.0038
53	0	Correlation	-0.0053	0.0052	0.0105
54	0	Correlation	-0.0091	0.0055	0.0146

NDD vs Post - Pre Exposure Delta

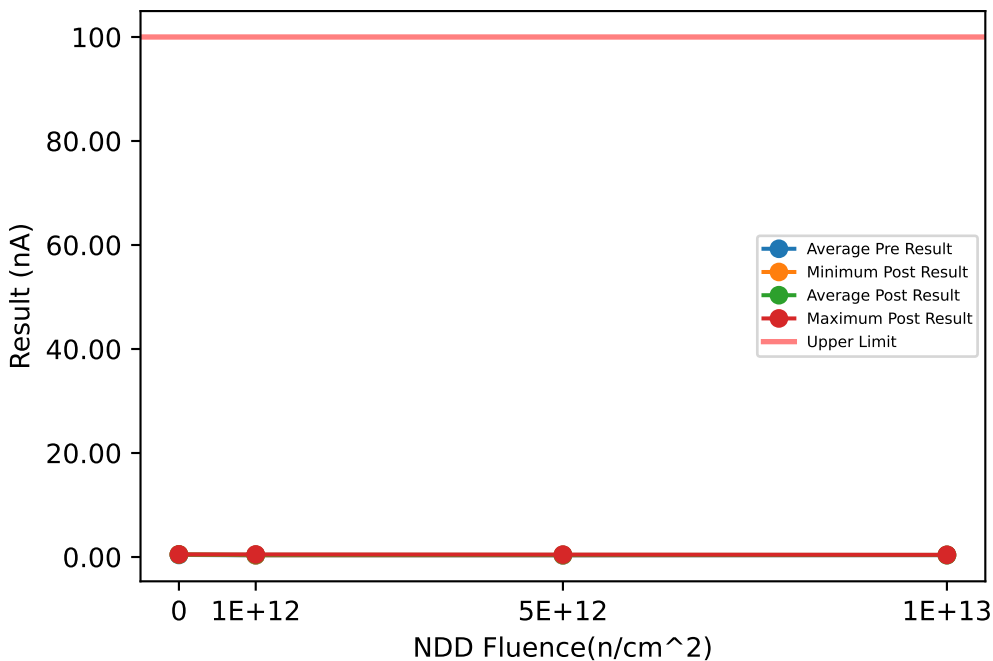


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.0091	-0.0072	-0.0053	0.002687	0.0052	0.00535	0.0055	0.00021213	0.0105	0.01255	0.0146	0.0028991
1e+12	-0.0178	-0.011875	-0.0059	0.0052696	-0.0147	-0.0085	-0.0009	0.0057289	-0.0053	0.003375	0.0169	0.010343
5e+12	-0.0125	-0.0093	-0.0069	0.0025974	-0.0175	-0.01555	-0.0128	0.0023445	-0.01	-0.00625	-0.0003	0.0041605
1e+13	-0.0144	-0.009425	-0.0037	0.0052829	-0.0116	-0.009475	-0.0066	0.0021747	-0.0079	-5e-05	0.0068	0.0066204

Device Test: 15.16 ILKG_SENSE(_LEAKAGE|SENSE4/SENSE4//3/0/0/0/@ILKG_SENSE)

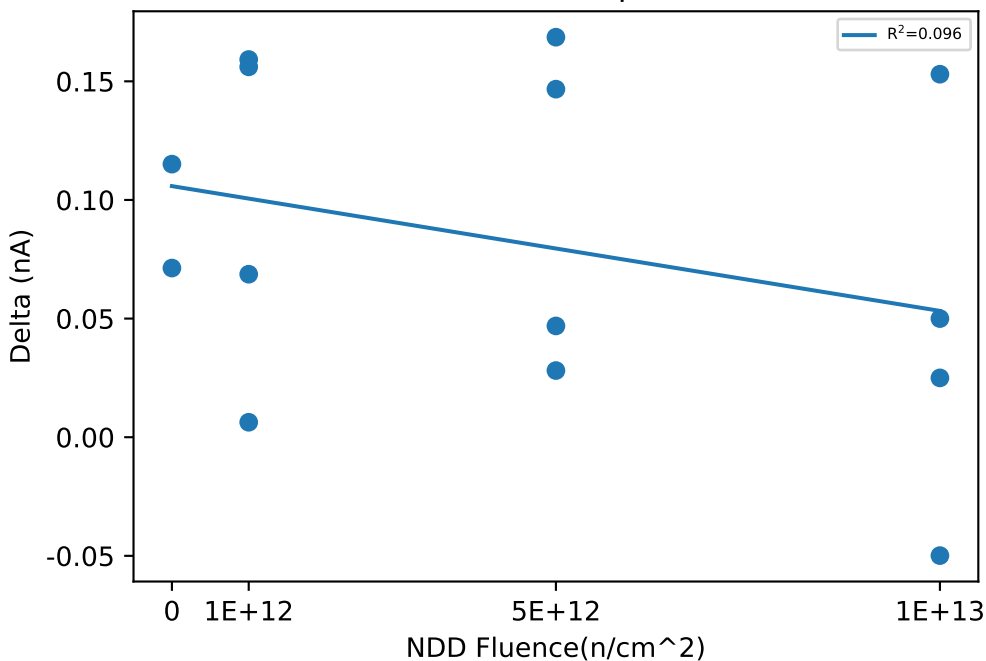
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.3626	0.4313	0.0687
2	1e+12	NDD Unbiased	0.3314	0.3377	0.0063
3	1e+12	NDD Unbiased	0.269	0.4251	0.1561
4	1e+12	NDD Unbiased	0.3377	0.4969	0.1592
5	5e+12	NDD Unbiased	0.3096	0.4563	0.1467
6	5e+12	NDD Unbiased	0.2971	0.4657	0.1686
7	5e+12	NDD Unbiased	0.3189	0.347	0.0281
8	5e+12	NDD Unbiased	0.3189	0.3658	0.0469
9	1e+13	NDD Unbiased	0.3689	0.4189	0.05
10	1e+13	NDD Unbiased	0.347	0.372	0.025
11	1e+13	NDD Unbiased	0.2721	0.4251	0.153
12	1e+13	NDD Unbiased	0.4313	0.3814	-0.0499
53	0	Correlation	0.4345	0.5058	0.0713
54	0	Correlation	0.3626	0.4777	0.1151

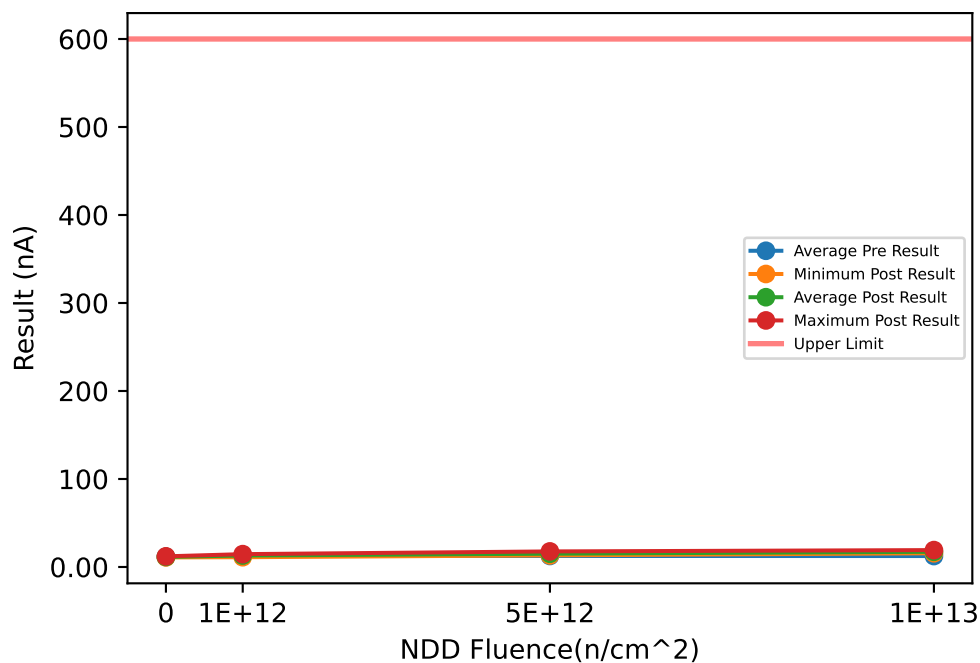
NDD vs Post - Pre Exposure Delta



Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3626	0.39855	0.4345	0.050841	0.4777	0.49175	0.5058	0.01987	0.0713	0.0932	0.1151	0.030971
1e+12	0.269	0.32517	0.3626	0.039799	0.3377	0.42275	0.4969	0.065346	0.0063	0.097575	0.1592	0.073909
5e+12	0.2971	0.31112	0.3189	0.010327	0.347	0.4087	0.4657	0.060997	0.0281	0.097575	0.1686	0.070362
1e+13	0.2721	0.35483	0.4313	0.065704	0.372	0.39935	0.4251	0.026555	-0.0499	0.044525	0.153	0.083853

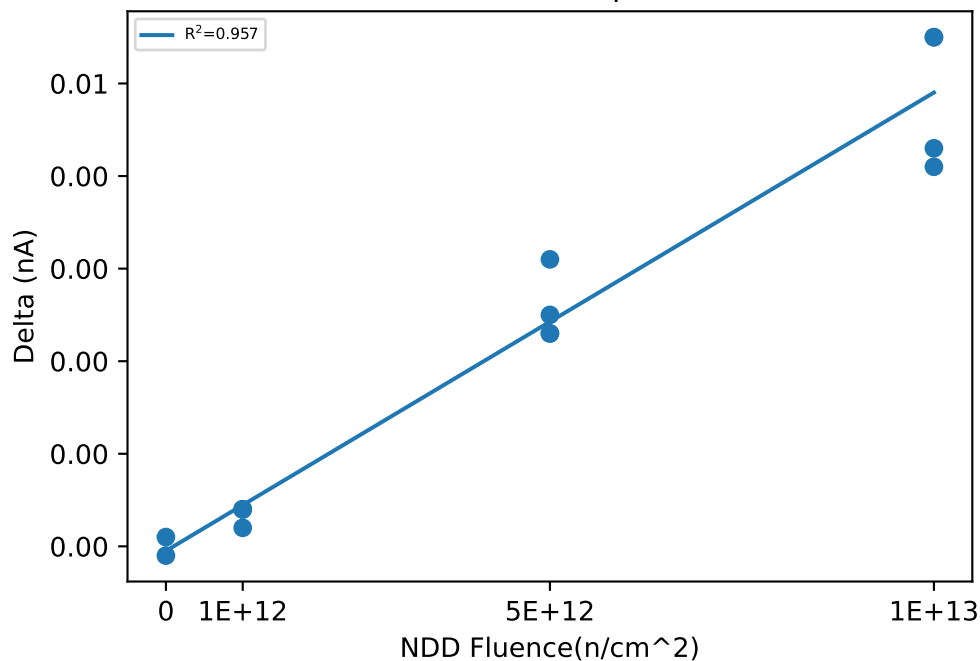
NDD vs Result Stats



Test Results (Upper Limit = 600.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.4	14.6	0.0002
2	1e+12	NDD Unbiased	13.1	13.5	0.0004
3	1e+12	NDD Unbiased	12.6	13	0.0004
4	1e+12	NDD Unbiased	10.7	11.1	0.0004
5	5e+12	NDD Unbiased	10.9	13.2	0.0023
6	5e+12	NDD Unbiased	11.1	13.4	0.0023
7	5e+12	NDD Unbiased	13.5	16	0.0025
8	5e+12	NDD Unbiased	14.6	17.7	0.0031
9	1e+13	NDD Unbiased	12.9	18.4	0.0055
10	1e+13	NDD Unbiased	13.7	19.2	0.0055
11	1e+13	NDD Unbiased	11.6	15.9	0.0043
12	1e+13	NDD Unbiased	11.5	15.6	0.0041
53	0	Correlation	10.8	10.9	0.0001
54	0	Correlation	12.2	12.1	-0.0001

NDD vs Post - Pre Exposure Delta

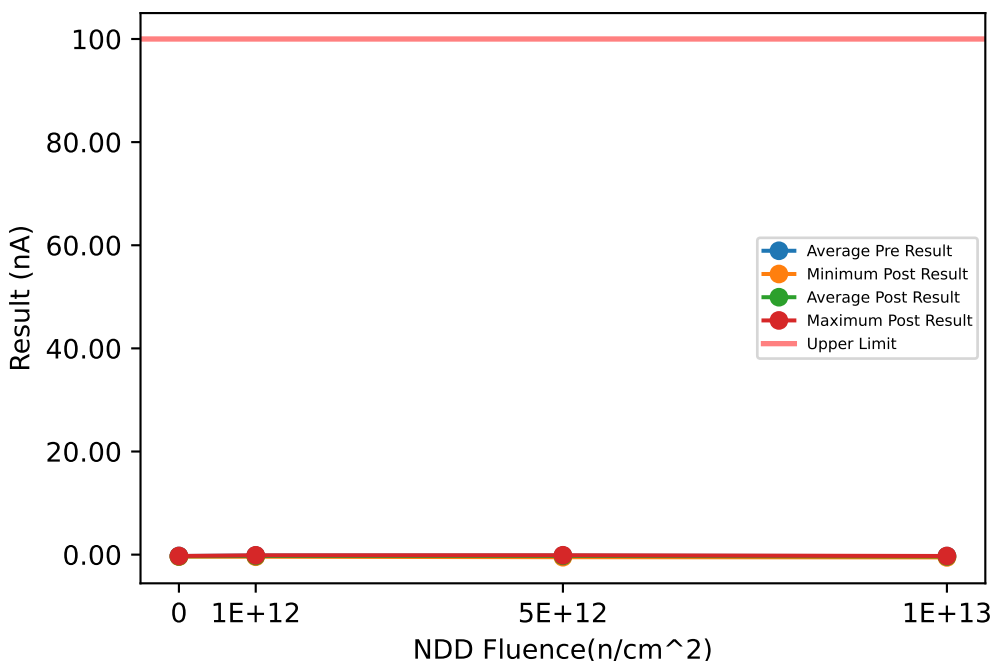


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.8	11.5	12.2	0.98995	10.9	11.5	12.1	0.84853	-0.0001	-8.6736e-19	0.0001	0.00014142
1e+12	10.7	12.7	14.4	1.5341	11.1	13.05	14.6	1.4617	0.0002	0.00035	0.0004	0.0001
5e+12	10.9	12.525	14.6	1.8191	13.2	15.075	17.7	2.1654	0.0023	0.00255	0.0031	0.00037859
1e+13	11.5	12.425	13.7	1.0626	15.6	17.275	19.2	1.7951	0.0041	0.00485	0.0055	0.00075498

Device Test: 15.18 ILKG_UP_DOWN(_LEAKAGE|UP/UP//14/0/0/0/@ILKG_UP_DOWN)

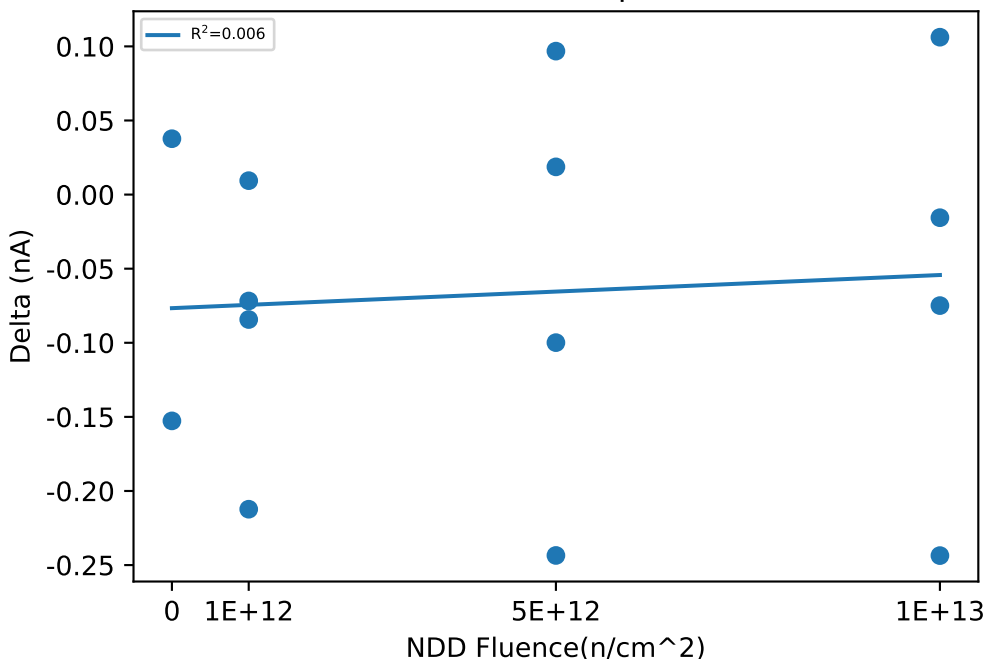
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.2331	-0.2237	0.0094
2	1e+12	NDD Unbiased	-0.0583	-0.1301	-0.0718
3	1e+12	NDD Unbiased	-0.3237	-0.408	-0.0843
4	1e+12	NDD Unbiased	-0.0957	-0.308	-0.2123
5	5e+12	NDD Unbiased	-0.2175	-0.1207	0.0968
6	5e+12	NDD Unbiased	-0.2581	-0.5016	-0.2435
7	5e+12	NDD Unbiased	-0.2362	-0.2175	0.0187
8	5e+12	NDD Unbiased	-0.0614	-0.1613	-0.0999
9	1e+13	NDD Unbiased	-0.2612	-0.2768	-0.0156
10	1e+13	NDD Unbiased	-0.1863	-0.2612	-0.0749
11	1e+13	NDD Unbiased	-0.4392	-0.333	0.1062
12	1e+13	NDD Unbiased	-0.2924	-0.536	-0.2436
53	0	Correlation	-0.2987	-0.261	0.0377
54	0	Correlation	-0.2394	-0.3921	-0.1527

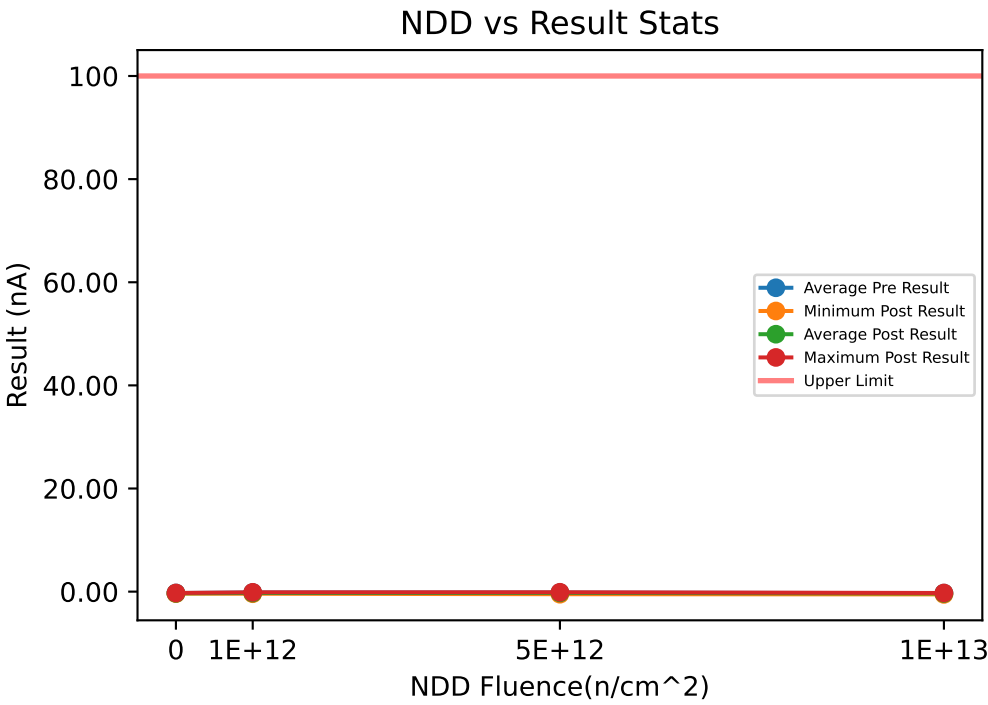
NDD vs Post - Pre Exposure Delta



Test Statistics (nA)

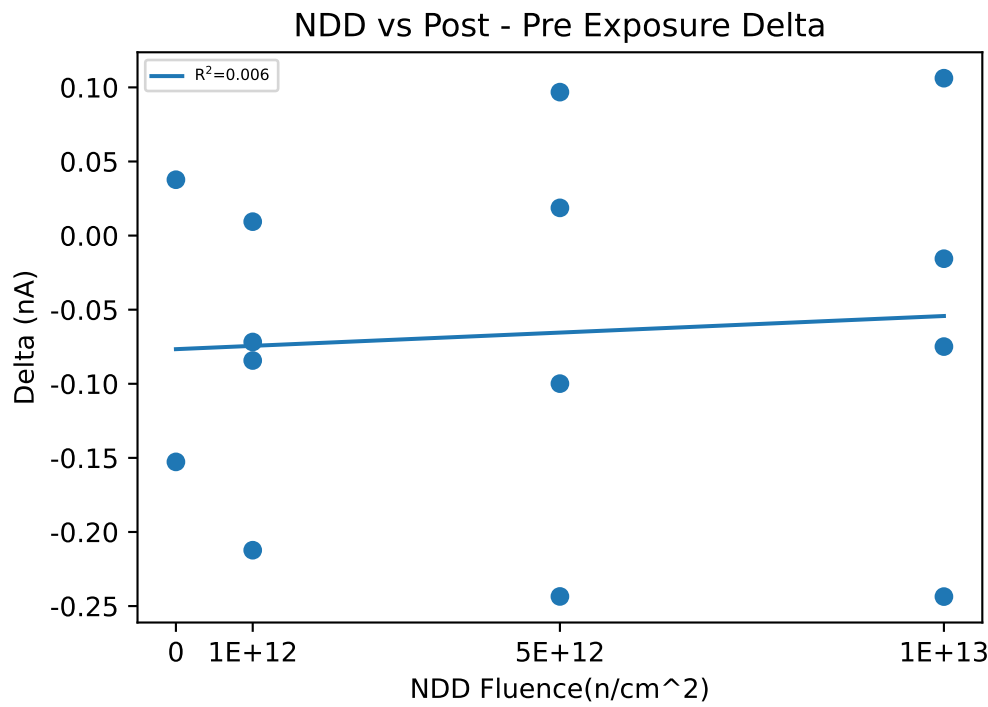
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.2987	-0.26905	-0.2394	0.041931	-0.3921	-0.32655	-0.261	0.092702	-0.1527	-0.0575	0.0377	0.13463
1e+12	-0.3237	-0.1777	-0.0583	0.12297	-0.408	-0.26745	-0.1301	0.11857	-0.2123	-0.08975	0.0094	0.091654
5e+12	-0.2581	-0.1933	-0.0614	0.089485	-0.5016	-0.25028	-0.1207	0.17219	-0.2435	-0.056975	0.0968	0.14833
1e+13	-0.4392	-0.29478	-0.1863	0.10608	-0.536	-0.35175	-0.2612	0.12664	-0.2436	-0.056975	0.1062	0.14547

Device Test: 15.19 ILKG_UP_DOWN(_LEAKAGE|DOWN/DOWNb//14/0/0/0/@ILKG_UP_DOWN)



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	-0.2331	-0.2237	0.0094
2	1e+12	NDD Unbiased	-0.0583	-0.1301	-0.0718
3	1e+12	NDD Unbiased	-0.3237	-0.408	-0.0843
4	1e+12	NDD Unbiased	-0.0957	-0.308	-0.2123
5	5e+12	NDD Unbiased	-0.2175	-0.1207	0.0968
6	5e+12	NDD Unbiased	-0.2581	-0.5016	-0.2435
7	5e+12	NDD Unbiased	-0.2362	-0.2175	0.0187
8	5e+12	NDD Unbiased	-0.0614	-0.1613	-0.0999
9	1e+13	NDD Unbiased	-0.2612	-0.2768	-0.0156
10	1e+13	NDD Unbiased	-0.1863	-0.2612	-0.0749
11	1e+13	NDD Unbiased	-0.4392	-0.333	0.1062
12	1e+13	NDD Unbiased	-0.2924	-0.536	-0.2436
53	0	Correlation	-0.2987	-0.261	0.0377
54	0	Correlation	-0.2394	-0.3921	-0.1527

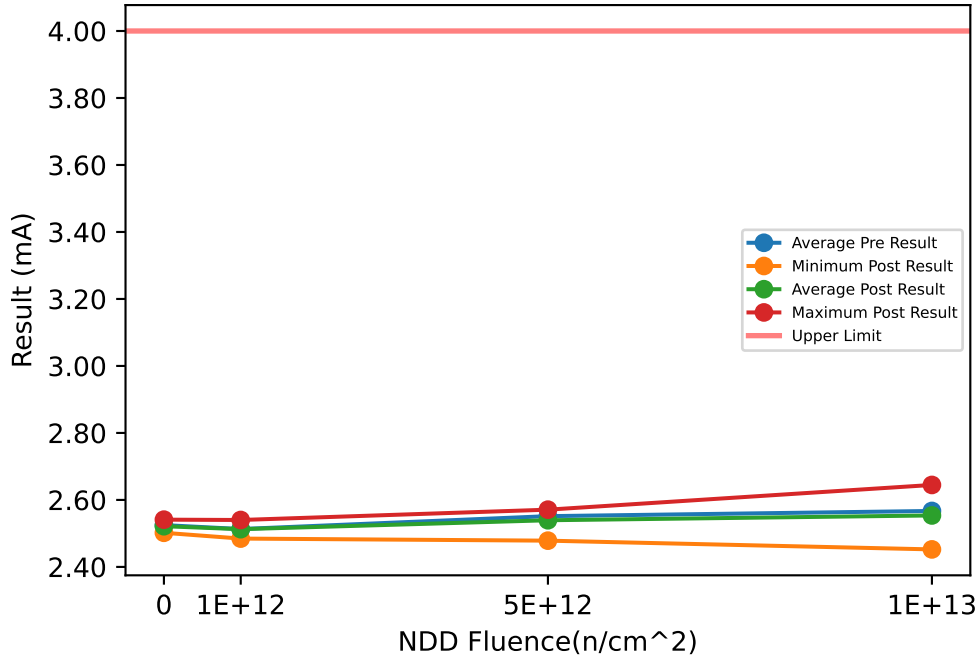


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.2987	-0.26905	-0.2394	0.041931	-0.3921	-0.32655	-0.261	0.092702	-0.1527	-0.0575	0.0377	0.13463
1e+12	-0.3237	-0.1777	-0.0583	0.12297	-0.408	-0.26745	-0.1301	0.11857	-0.2123	-0.08975	0.0094	0.091654
5e+12	-0.2581	-0.1933	-0.0614	0.089485	-0.5016	-0.25028	-0.1207	0.17219	-0.2435	-0.056975	0.0968	0.14833
1e+13	-0.4392	-0.29478	-0.1863	0.10608	-0.536	-0.35175	-0.2612	0.12664	-0.2436	-0.056975	0.1062	0.14547

Device Test: 15.2 IQ_SEQDOWN(IQ|QUIESCENT_CURRENT/IN//14/0/0/0/@IQ_SEQDOWN)

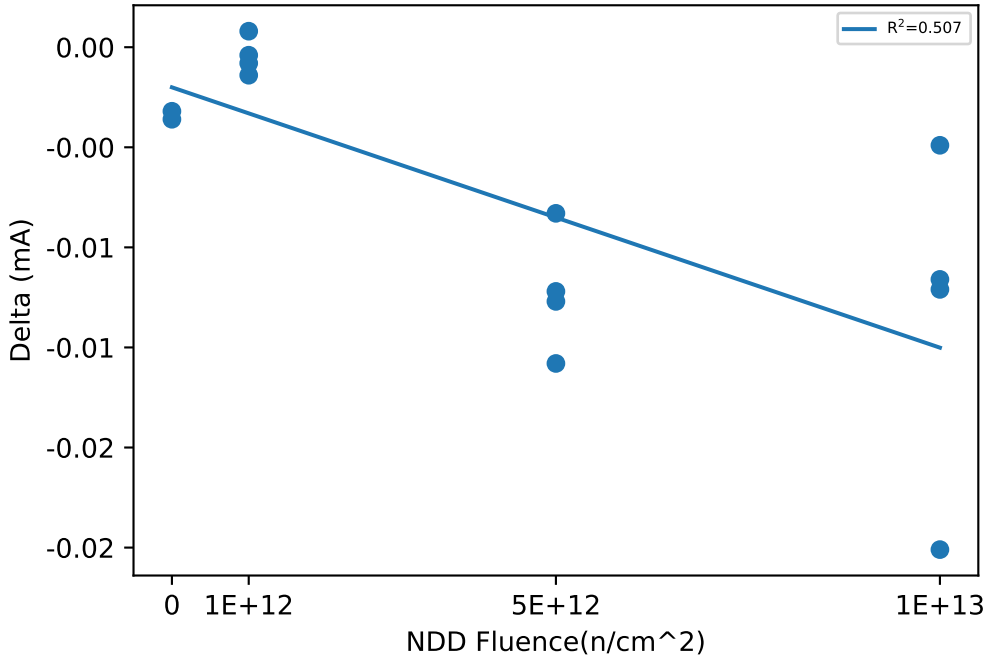
NDD vs Result Stats



Test Results (Upper Limit = 4.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.5393	2.5401	0.0008
2	1e+12	NDD Unbiased	2.5181	2.5167	-0.0014
3	1e+12	NDD Unbiased	2.51	2.5092	-0.0008
4	1e+12	NDD Unbiased	2.485	2.4846	-0.0004
5	5e+12	NDD Unbiased	2.5867	2.5709	-0.0158
6	5e+12	NDD Unbiased	2.5755	2.5628	-0.0127
7	5e+12	NDD Unbiased	2.5573	2.5451	-0.0122
8	5e+12	NDD Unbiased	2.4867	2.4784	-0.0083
9	1e+13	NDD Unbiased	2.4639	2.4523	-0.0116
10	1e+13	NDD Unbiased	2.5314	2.5063	-0.0251
11	1e+13	NDD Unbiased	2.6162	2.6113	-0.0049
12	1e+13	NDD Unbiased	2.6568	2.6447	-0.0121
53	0	Correlation	2.5055	2.5019	-0.0036
54	0	Correlation	2.5443	2.5411	-0.0032

NDD vs Post - Pre Exposure Delta

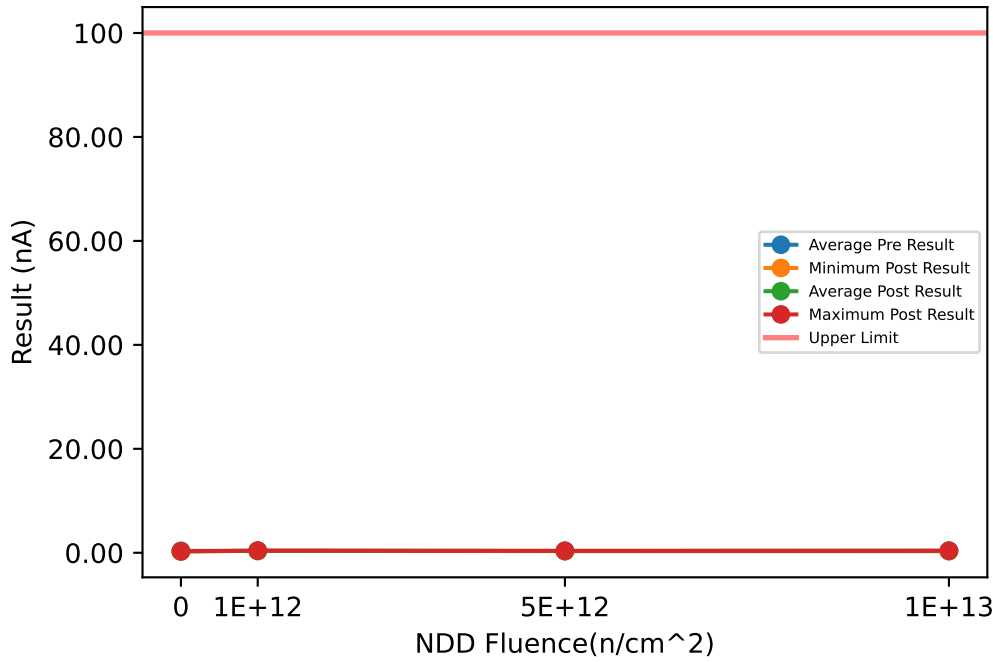


Test Statistics (mA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.5055	2.5249	2.5443	0.027436	2.5019	2.5215	2.5411	0.027719	-0.0036	-0.0034	-0.0032	0.00028284
1e+12	2.485	2.5131	2.5393	0.02244	2.4846	2.5126	2.5401	0.022866	-0.0014	-0.00045	0.0008	0.00092916
5e+12	2.4867	2.5515	2.5867	0.044899	2.4784	2.5393	2.5709	0.042005	-0.0158	-0.01225	-0.0083	0.0030773
1e+13	2.4639	2.5671	2.6568	0.086374	2.4523	2.5537	2.6447	0.08968	-0.0251	-0.013425	-0.0049	0.0084472

Device Test: 15.20 ILKG_SENSE(_LEAKAGE|SENSE1/SENSE1//14/0/0/0/@ILKG_SENSE)

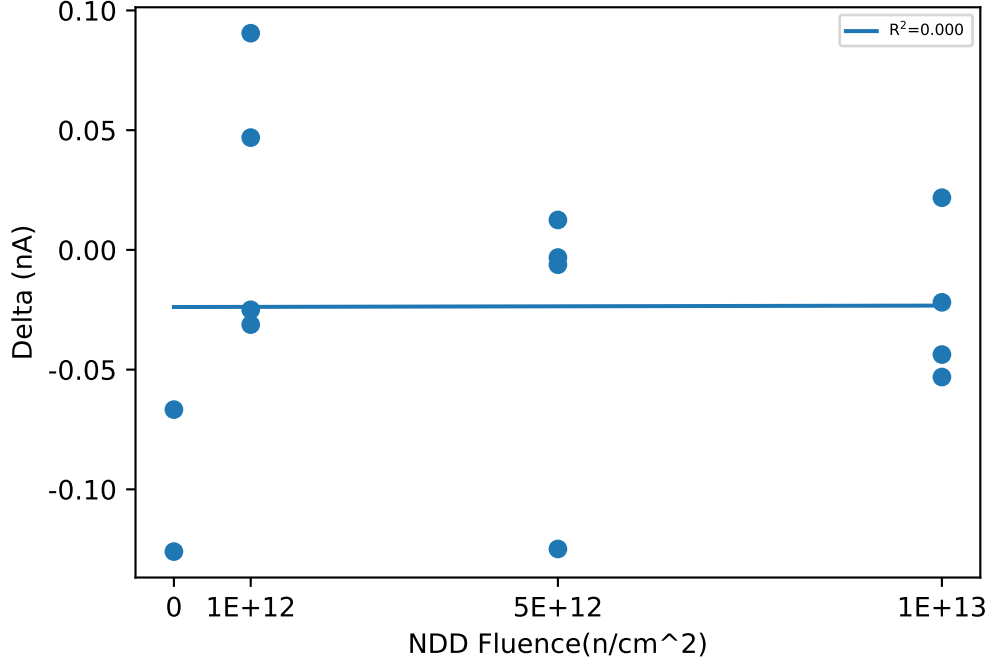
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.3889	0.3577	-0.0312
2	1e+12	NDD Unbiased	0.417	0.392	-0.025
3	1e+12	NDD Unbiased	0.3327	0.4232	0.0905
4	1e+12	NDD Unbiased	0.3108	0.3577	0.0469
5	5e+12	NDD Unbiased	0.3546	0.3514	-0.0032
6	5e+12	NDD Unbiased	0.3233	0.3171	-0.0062
7	5e+12	NDD Unbiased	0.4545	0.3296	-0.1249
8	5e+12	NDD Unbiased	0.3514	0.3639	0.0125
9	1e+13	NDD Unbiased	0.3546	0.3327	-0.0219
10	1e+13	NDD Unbiased	0.3733	0.3951	0.0218
11	1e+13	NDD Unbiased	0.3452	0.2921	-0.0531
12	1e+13	NDD Unbiased	0.4451	0.4014	-0.0437
53	0	Correlation	0.3327	0.266	-0.0667
54	0	Correlation	0.4139	0.2879	-0.126

NDD vs Post - Pre Exposure Delta

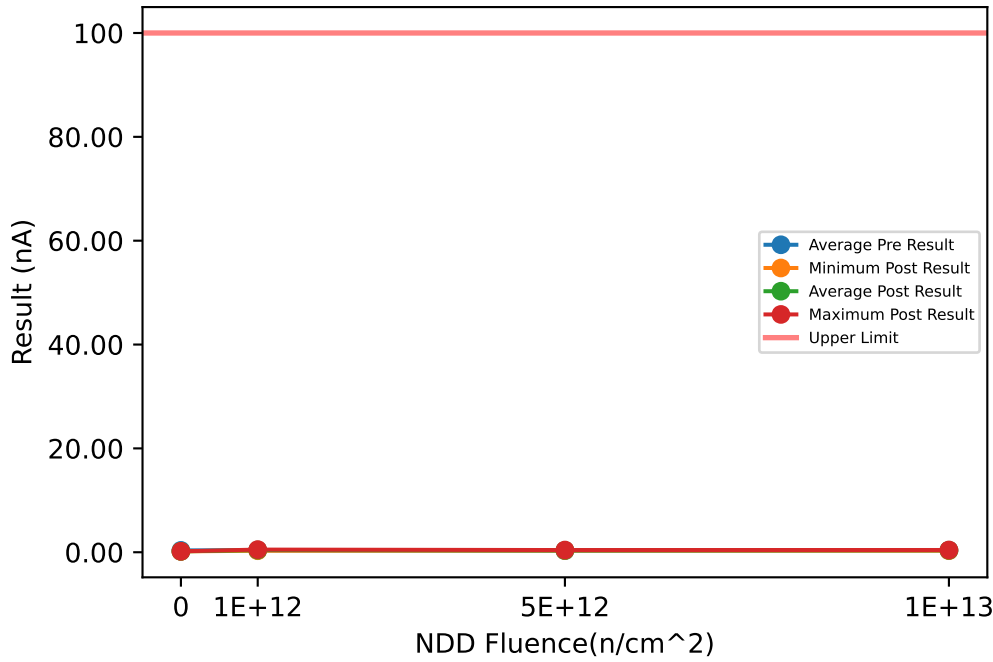


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3327	0.3733	0.4139	0.057417	0.266	0.27695	0.2879	0.015486	-0.126	-0.09635	-0.0667	0.041931
1e+12	0.3108	0.36235	0.417	0.049085	0.3577	0.38265	0.4232	0.0315	-0.0312	0.0203	0.0905	0.058708
5e+12	0.3233	0.37095	0.4545	0.057448	0.3171	0.3405	0.3639	0.021077	-0.1249	-0.03045	0.0125	0.063498
1e+13	0.3452	0.37955	0.4451	0.045234	0.2921	0.35533	0.4014	0.052327	-0.0531	-0.024225	0.0218	0.03335

Device Test: 15.21 ILKG_SENSE(_LEAKAGE|SENSE2/SENSE2//14/0/0/0/@ILKG_SENSE)

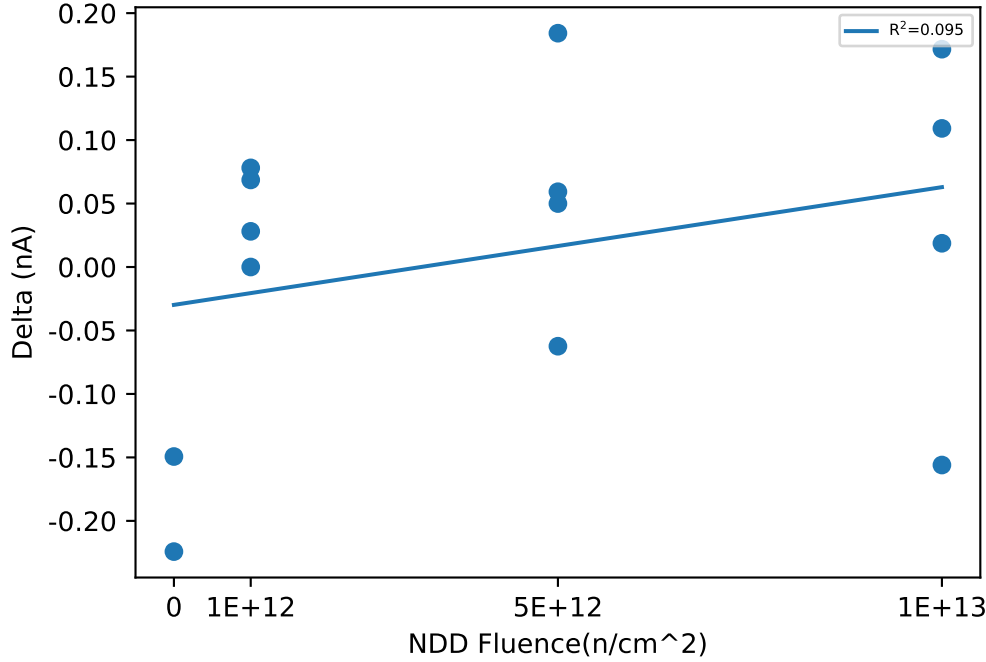
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.3528	0.3809	0.0281
2	1e+12	NDD Unbiased	0.3933	0.4714	0.0781
3	1e+12	NDD Unbiased	0.4433	0.5119	0.0686
4	1e+12	NDD Unbiased	0.2904	0.2904	0
5	5e+12	NDD Unbiased	0.2529	0.3122	0.0593
6	5e+12	NDD Unbiased	0.384	0.3216	-0.0624
7	5e+12	NDD Unbiased	0.334	0.384	0.05
8	5e+12	NDD Unbiased	0.2404	0.4246	0.1842
9	1e+13	NDD Unbiased	0.409	0.4277	0.0187
10	1e+13	NDD Unbiased	0.4526	0.2966	-0.156
11	1e+13	NDD Unbiased	0.2779	0.3871	0.1092
12	1e+13	NDD Unbiased	0.2623	0.4339	0.1716
53	0	Correlation	0.3309	0.1816	-0.1493
54	0	Correlation	0.3871	0.1629	-0.2242

NDD vs Post - Pre Exposure Delta

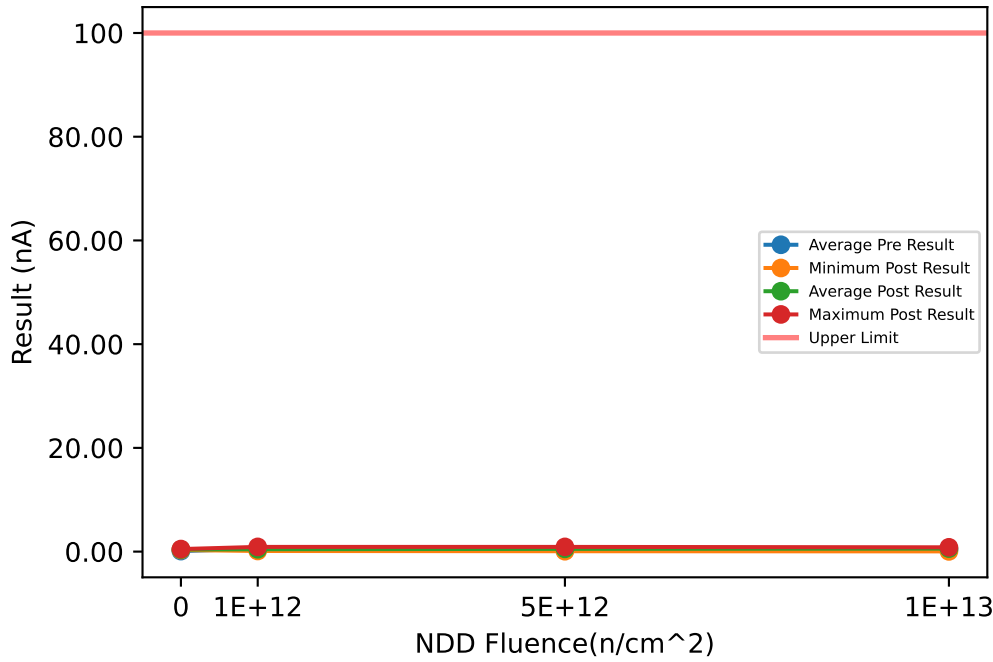


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3309	0.359	0.3871	0.039739	0.1629	0.17225	0.1816	0.013223	-0.2242	-0.18675	-0.1493	0.052962
1e+12	0.2904	0.36995	0.4433	0.064673	0.2904	0.41365	0.5119	0.098744	0	0.0437	0.0781	0.036315
5e+12	0.2404	0.30283	0.384	0.068192	0.3122	0.3606	0.4246	0.053251	-0.0624	0.057775	0.1842	0.10081
1e+13	0.2623	0.35045	0.4526	0.094687	0.2966	0.38633	0.4339	0.063315	-0.156	0.035875	0.1716	0.14249

Device Test: 15.22 ILKG_SENSE(_LEAKAGE|SENSE3/SENSE3//14/0/0/0/@ILKG_SENSE)

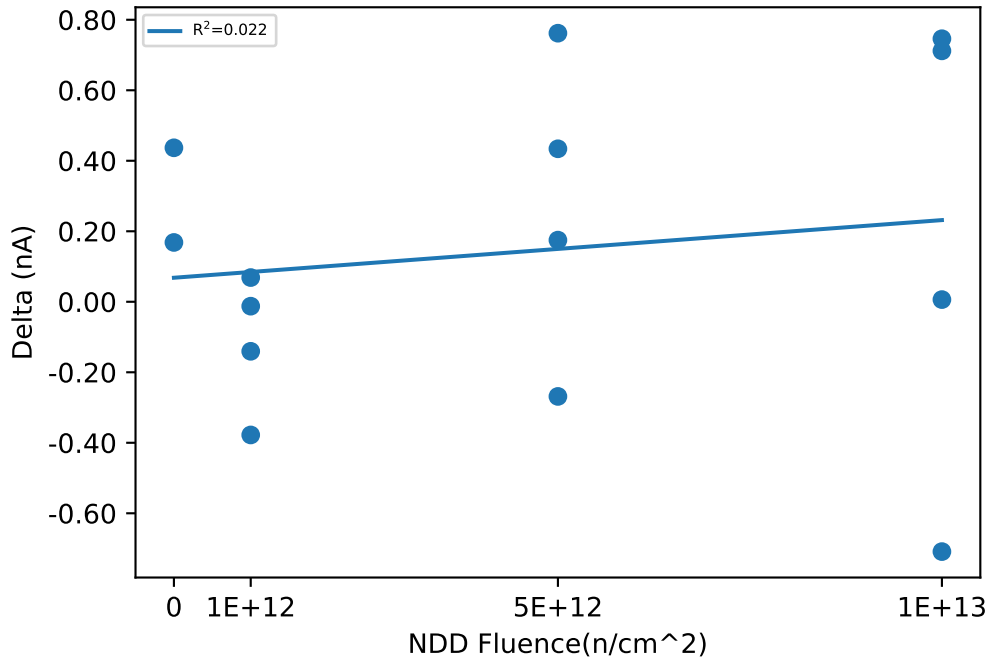
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.8397	0.9084	0.0687
2	1e+12	NDD Unbiased	0.2589	0.1184	-0.1405
3	1e+12	NDD Unbiased	0.3214	0.3089	-0.0125
4	1e+12	NDD Unbiased	0.8647	0.4869	-0.3778
5	5e+12	NDD Unbiased	0.1465	0.9084	0.7619
6	5e+12	NDD Unbiased	0.5774	0.7523	0.1749
7	5e+12	NDD Unbiased	-0.0595	0.3745	0.434
8	5e+12	NDD Unbiased	0.3401	0.0716	-0.2685
9	1e+13	NDD Unbiased	0.0841	0.8303	0.7462
10	1e+13	NDD Unbiased	0.1091	0.8209	0.7118
11	1e+13	NDD Unbiased	0.7491	0.0404	-0.7087
12	1e+13	NDD Unbiased	0.6274	0.6336	0.0062
53	0	Correlation	0.1372	0.3055	0.1683
54	0	Correlation	0.056	0.4928	0.4368

NDD vs Post - Pre Exposure Delta

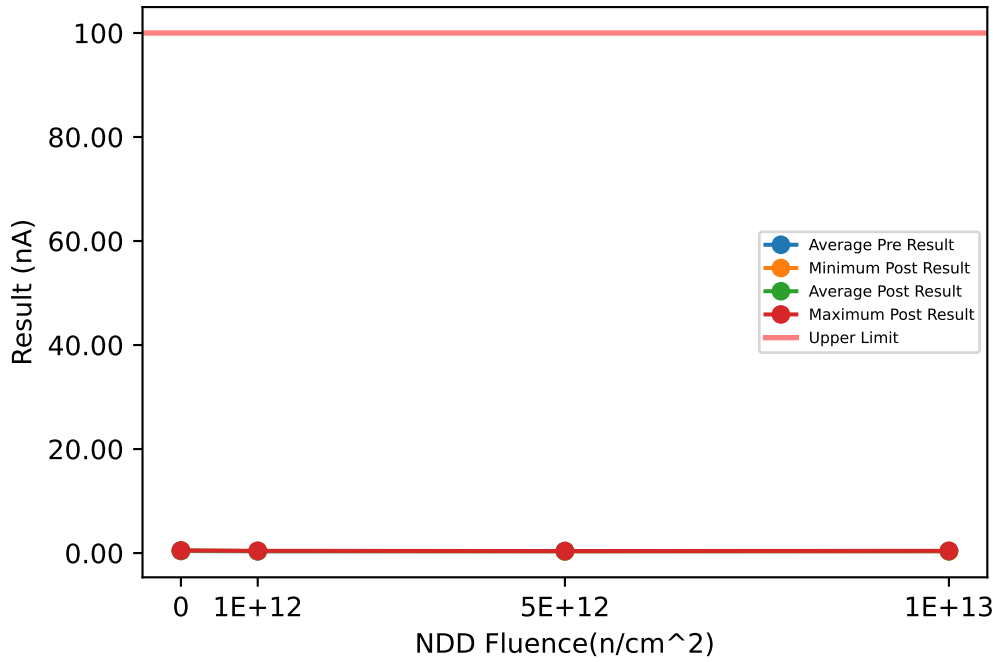


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.056	0.0966	0.1372	0.057417	0.3055	0.39915	0.4928	0.13244	0.1683	0.30255	0.4368	0.18986
1e+12	0.2589	0.57117	0.8647	0.32566	0.1184	0.45565	0.9084	0.33726	-0.3778	-0.11553	0.0687	0.19491
5e+12	-0.0595	0.25112	0.5774	0.27191	0.0716	0.5267	0.9084	0.37721	-0.2685	0.27558	0.7619	0.43503
1e+13	0.0841	0.39243	0.7491	0.34533	0.0404	0.5813	0.8303	0.37181	-0.7087	0.18888	0.7462	0.68874

Device Test: 15.23 ILKG_SENSE(_LEAKAGE|SENSE4/SENSE4//14/0/0/0/@ILKG_SENSE)

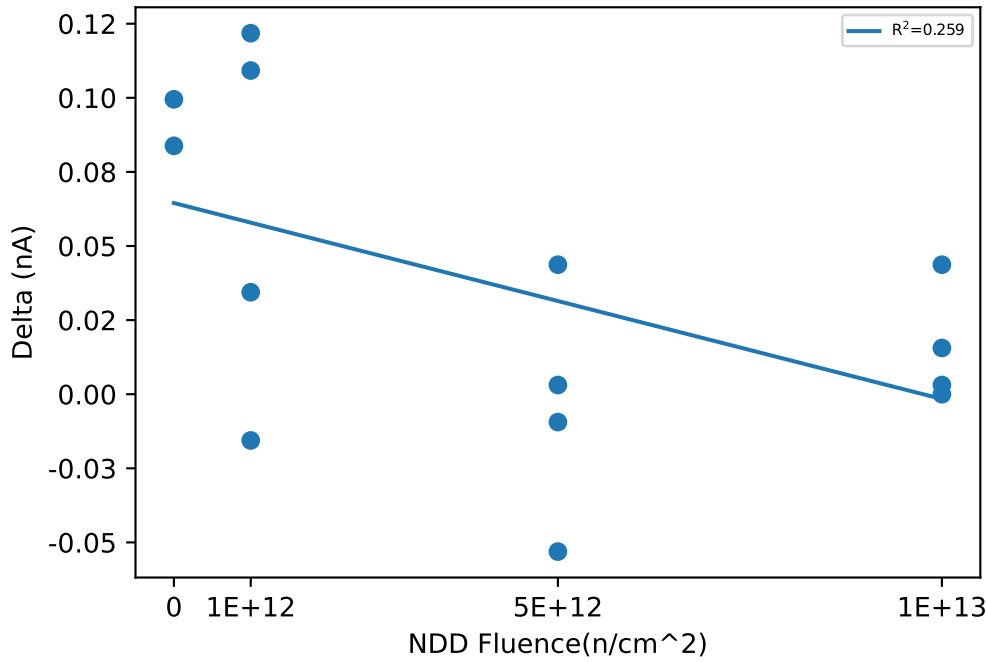
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.3345	0.3689	0.0344
2	1e+12	NDD Unbiased	0.2783	0.4001	0.1218
3	1e+12	NDD Unbiased	0.3845	0.3689	-0.0156
4	1e+12	NDD Unbiased	0.3221	0.4313	0.1092
5	5e+12	NDD Unbiased	0.397	0.3876	-0.0094
6	5e+12	NDD Unbiased	0.3408	0.3439	0.0031
7	5e+12	NDD Unbiased	0.372	0.3189	-0.0531
8	5e+12	NDD Unbiased	0.3439	0.3876	0.0437
9	1e+13	NDD Unbiased	0.3533	0.3564	0.0031
10	1e+13	NDD Unbiased	0.3751	0.3907	0.0156
11	1e+13	NDD Unbiased	0.3408	0.3408	0
12	1e+13	NDD Unbiased	0.3845	0.4282	0.0437
53	0	Correlation	0.4064	0.4902	0.0838
54	0	Correlation	0.3751	0.4746	0.0995

NDD vs Post - Pre Exposure Delta

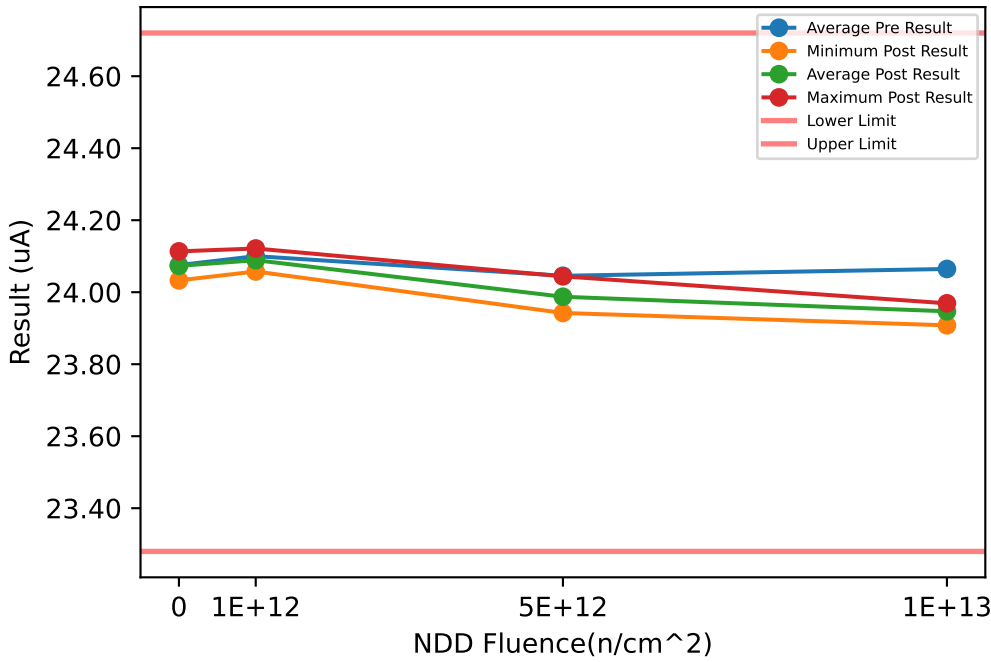


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3751	0.39075	0.4064	0.022132	0.4746	0.4824	0.4902	0.011031	0.0838	0.09165	0.0995	0.011102
1e+12	0.2783	0.32985	0.3845	0.043687	0.3689	0.3923	0.4313	0.029872	-0.0156	0.06245	0.1218	0.064773
5e+12	0.3408	0.36342	0.397	0.026419	0.3189	0.3595	0.3876	0.034014	-0.0531	-0.003925	0.0437	0.039857
1e+13	0.3408	0.36342	0.3845	0.019957	0.3408	0.37903	0.4282	0.038848	0	0.0156	0.0437	0.01991

Device Test: 15.24 IHYS(_CURRENT|SENSE1/SENSE1//3/0/0/0/@IHYS)

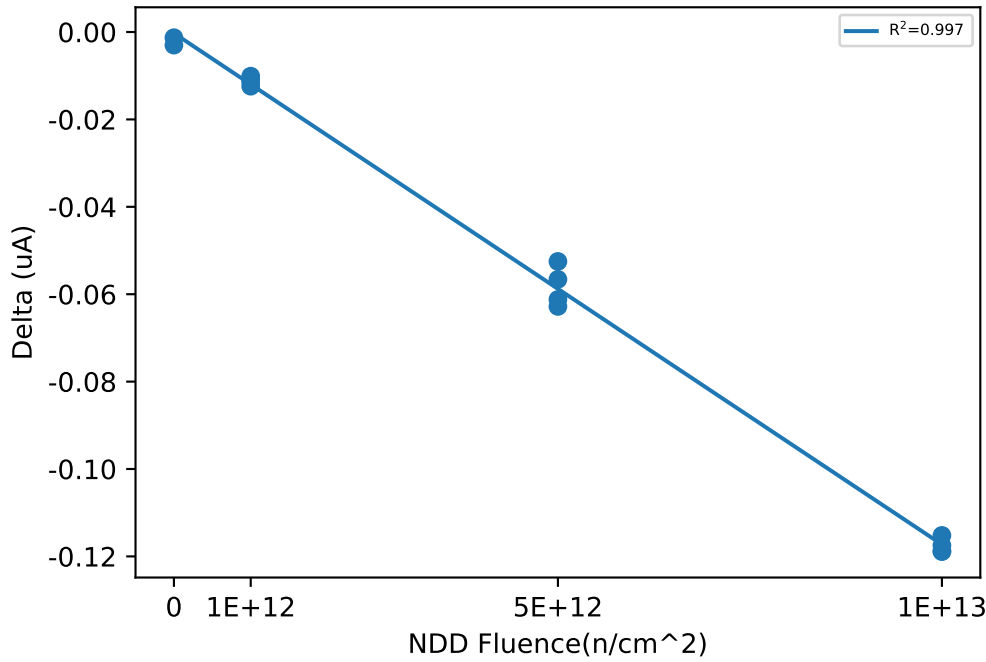
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.131	24.121	-0.0101
2	1e+12	NDD Unbiased	24.068	24.058	-0.0109
3	1e+12	NDD Unbiased	24.087	24.075	-0.0124
4	1e+12	NDD Unbiased	24.113	24.102	-0.0114
5	5e+12	NDD Unbiased	24.003	23.942	-0.0612
6	5e+12	NDD Unbiased	24.101	24.044	-0.0566
7	5e+12	NDD Unbiased	24.037	23.985	-0.0525
8	5e+12	NDD Unbiased	24.041	23.978	-0.0628
9	1e+13	NDD Unbiased	24.071	23.956	-0.1152
10	1e+13	NDD Unbiased	24.027	23.908	-0.1188
11	1e+13	NDD Unbiased	24.073	23.955	-0.1175
12	1e+13	NDD Unbiased	24.088	23.969	-0.1189
53	0	Correlation	24.115	24.113	-0.0013
54	0	Correlation	24.036	24.033	-0.003

NDD vs Post - Pre Exposure Delta

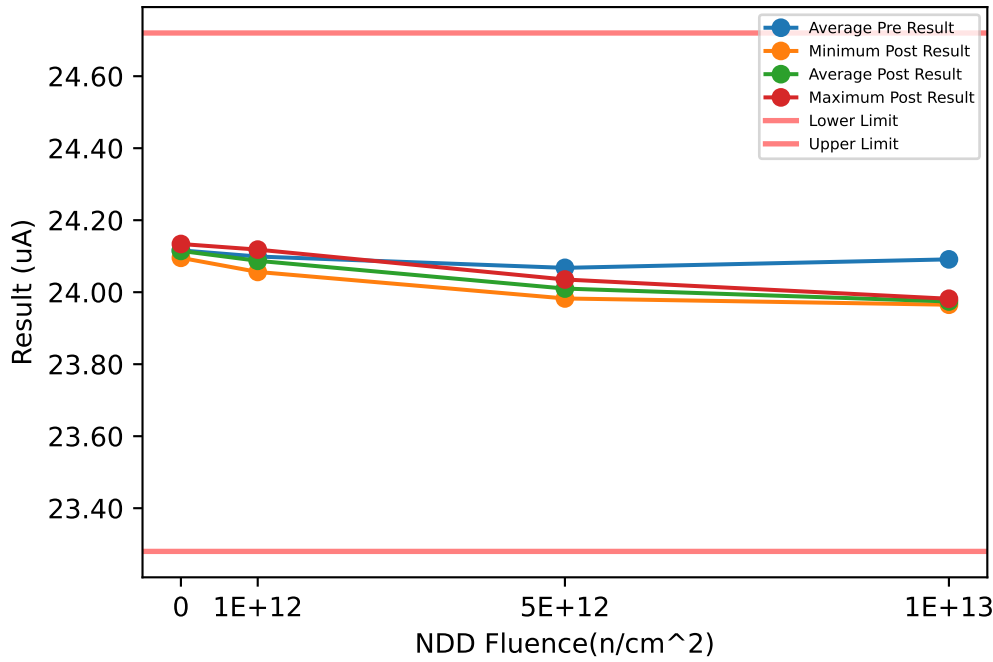


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.036	24.075	24.115	0.055791	24.033	24.073	24.113	0.056993	-0.003	-0.00215	-0.0013	0.0012021
1e+12	24.068	24.1	24.131	0.027831	24.058	24.089	24.121	0.028295	-0.0124	-0.0112	-0.0101	0.00096264
5e+12	24.003	24.046	24.101	0.040415	23.942	23.987	24.044	0.042193	-0.0628	-0.058275	-0.0525	0.0046615
1e+13	24.027	24.065	24.088	0.026314	23.908	23.947	23.969	0.026754	-0.1189	-0.1176	-0.1152	0.0017224

Device Test: 15.25 IHYS(_CURRENT|SENSE2/SENSE2//3/0/0/0/@IHYS)

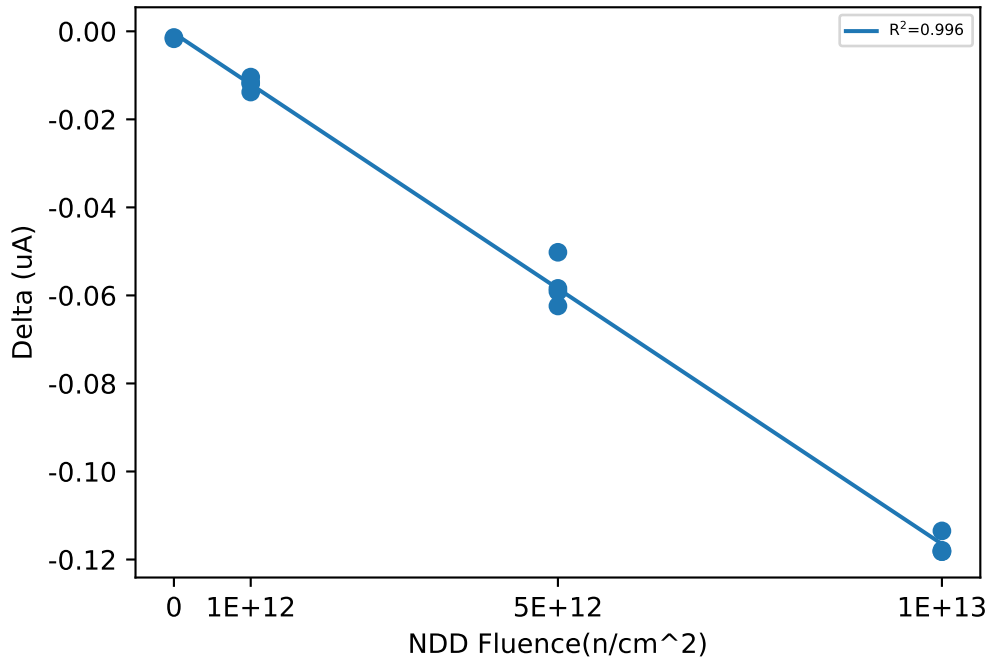
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.072	24.06	-0.0116
2	1e+12	NDD Unbiased	24.07	24.056	-0.0138
3	1e+12	NDD Unbiased	24.13	24.118	-0.0119
4	1e+12	NDD Unbiased	24.124	24.114	-0.0104
5	5e+12	NDD Unbiased	24.042	23.983	-0.0591
6	5e+12	NDD Unbiased	24.081	24.023	-0.0584
7	5e+12	NDD Unbiased	24.085	24.035	-0.0502
8	5e+12	NDD Unbiased	24.062	24	-0.0624
9	1e+13	NDD Unbiased	24.09	23.977	-0.1135
10	1e+13	NDD Unbiased	24.083	23.965	-0.1182
11	1e+13	NDD Unbiased	24.091	23.973	-0.1182
12	1e+13	NDD Unbiased	24.1	23.982	-0.1179
53	0	Correlation	24.136	24.134	-0.0017
54	0	Correlation	24.097	24.096	-0.0014

NDD vs Post - Pre Exposure Delta

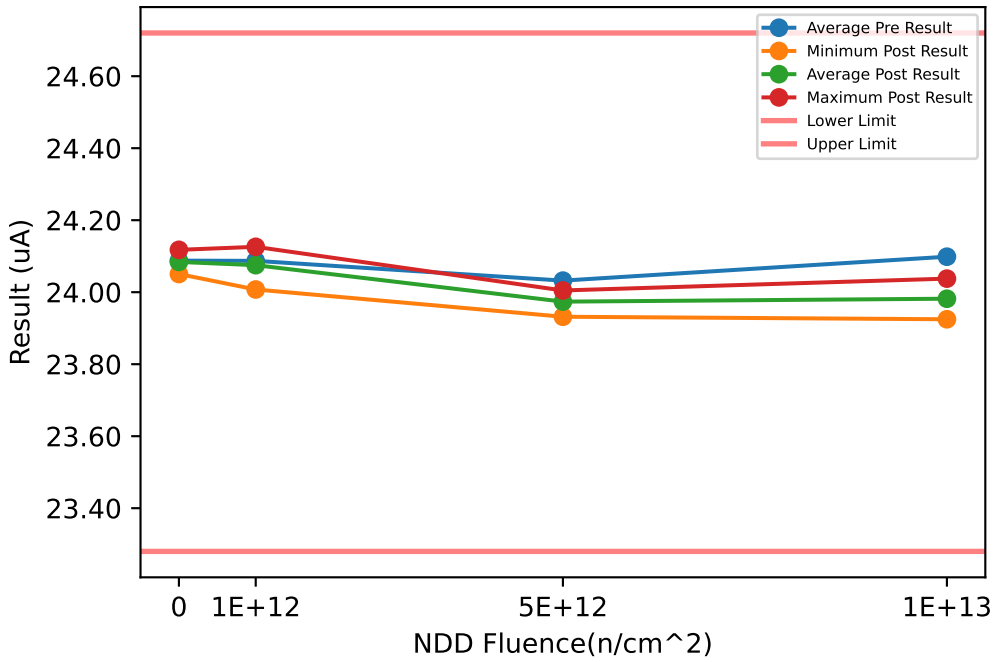


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.097	24.116	24.136	0.027365	24.096	24.115	24.134	0.027153	-0.0017	-0.00155	-0.0014	0.00021213
1e+12	24.07	24.099	24.13	0.032573	24.056	24.087	24.118	0.033459	-0.0138	-0.011925	-0.0104	0.001408
5e+12	24.042	24.068	24.085	0.019991	23.983	24.01	24.035	0.023463	-0.0624	-0.057525	-0.0502	0.0051855
1e+13	24.083	24.091	24.1	0.0066818	23.965	23.974	23.982	0.0069883	-0.1182	-0.11695	-0.1135	0.0023043

Device Test: 15.26 IHYS(_CURRENT|SENSE3/SENSE3//3/0/0/0/@IHYS)

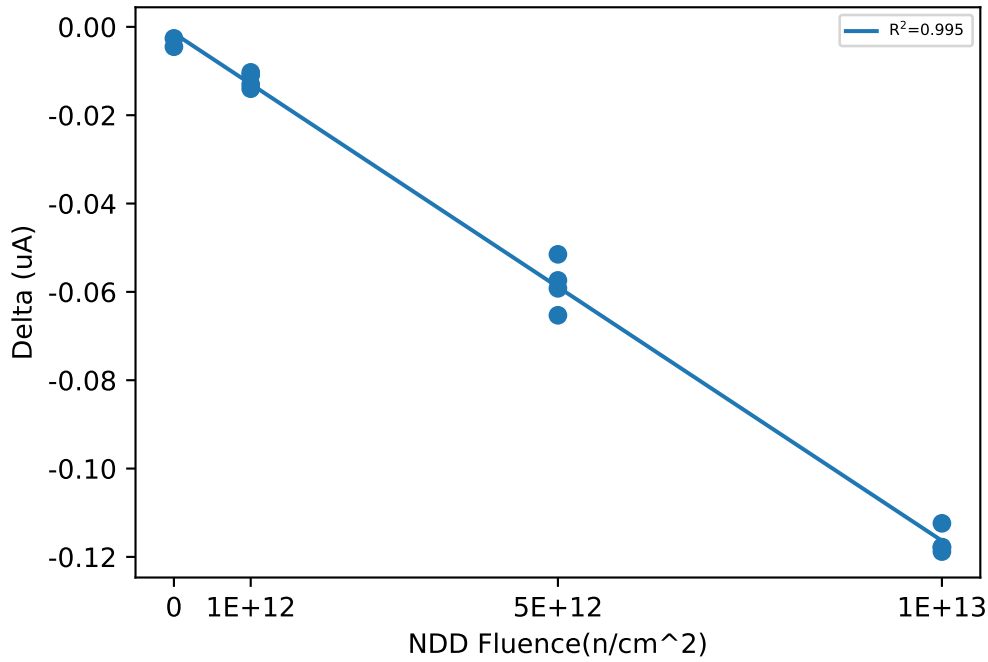
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.136	24.126	-0.0103
2	1e+12	NDD Unbiased	24.02	24.008	-0.013
3	1e+12	NDD Unbiased	24.094	24.083	-0.0109
4	1e+12	NDD Unbiased	24.097	24.083	-0.014
5	5e+12	NDD Unbiased	24.038	23.979	-0.0592
6	5e+12	NDD Unbiased	24.062	24.005	-0.0574
7	5e+12	NDD Unbiased	24.031	23.979	-0.0515
8	5e+12	NDD Unbiased	23.997	23.932	-0.0653
9	1e+13	NDD Unbiased	24.089	23.976	-0.1124
10	1e+13	NDD Unbiased	24.107	23.989	-0.1188
11	1e+13	NDD Unbiased	24.043	23.925	-0.1178
12	1e+13	NDD Unbiased	24.155	24.038	-0.1178
53	0	Correlation	24.12	24.118	-0.0026
54	0	Correlation	24.055	24.05	-0.0045

NDD vs Post - Pre Exposure Delta

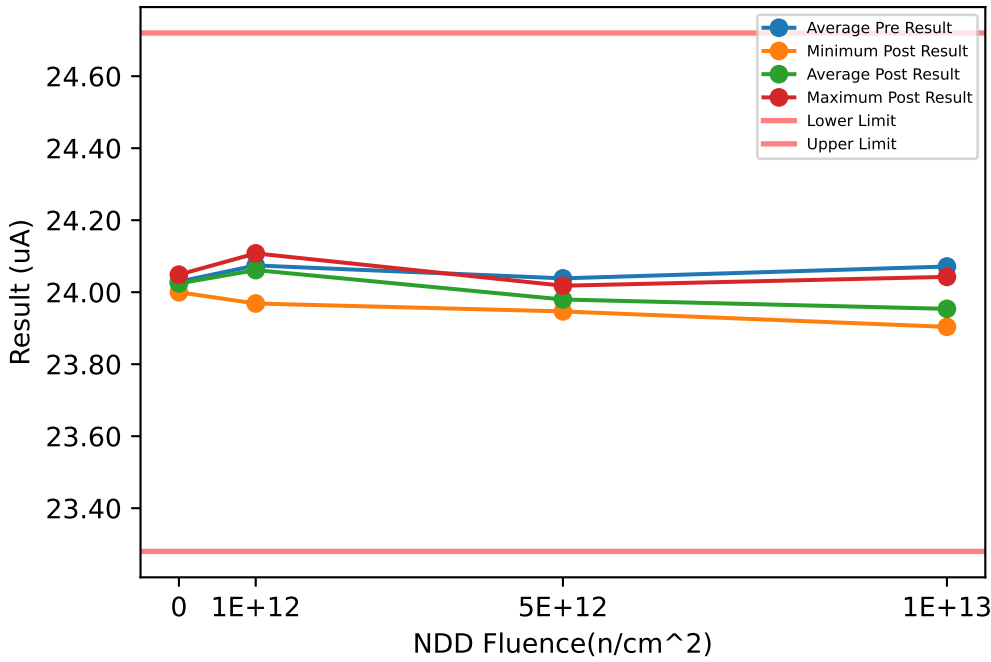


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.055	24.088	24.12	0.046174	24.05	24.084	24.118	0.047518	-0.0045	-0.00355	-0.0026	0.0013435
1e+12	24.02	24.087	24.136	0.048344	24.008	24.075	24.126	0.049312	-0.014	-0.01205	-0.0103	0.0017407
5e+12	23.997	24.032	24.062	0.026908	23.932	23.974	24.005	0.030471	-0.0653	-0.05835	-0.0515	0.0056818
1e+13	24.043	24.099	24.155	0.046716	23.925	23.982	24.038	0.046365	-0.1188	-0.1167	-0.1124	0.0029052

Device Test: 15.27 IHYS(_CURRENT|SENSE4/SENSE4//3/0/0/0/@IHYS)

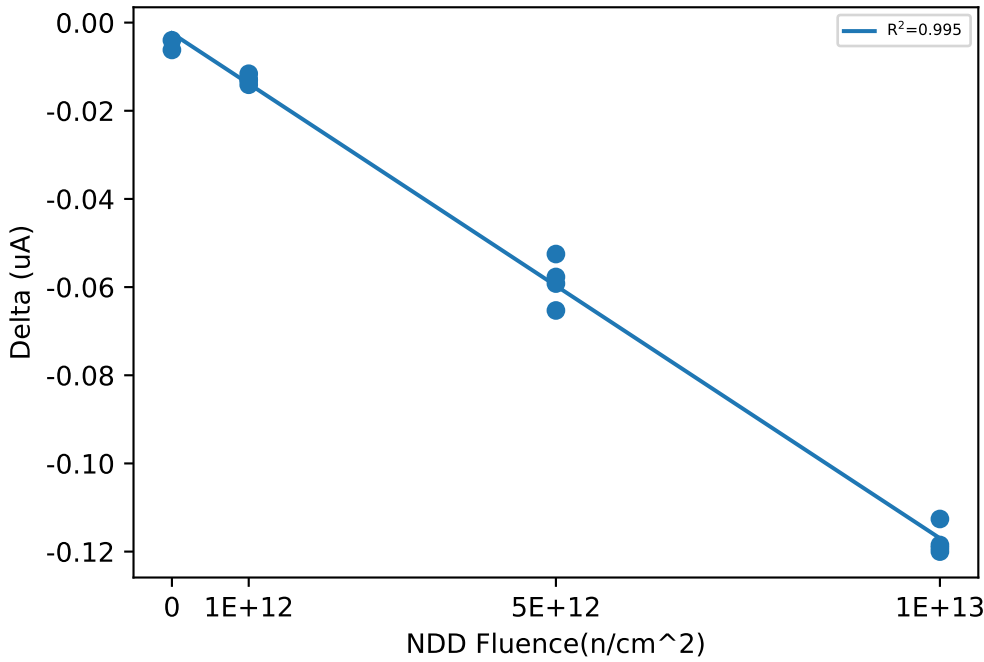
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.119	24.108	-0.0116
2	1e+12	NDD Unbiased	23.983	23.969	-0.0141
3	1e+12	NDD Unbiased	24.105	24.093	-0.0129
4	1e+12	NDD Unbiased	24.09	24.077	-0.0131
5	5e+12	NDD Unbiased	24.043	23.983	-0.0592
6	5e+12	NDD Unbiased	24.076	24.018	-0.0577
7	5e+12	NDD Unbiased	24.023	23.971	-0.0525
8	5e+12	NDD Unbiased	24.012	23.947	-0.0653
9	1e+13	NDD Unbiased	24.07	23.957	-0.1126
10	1e+13	NDD Unbiased	24.031	23.912	-0.1192
11	1e+13	NDD Unbiased	24.024	23.904	-0.12
12	1e+13	NDD Unbiased	24.161	24.043	-0.1185
53	0	Correlation	24.053	24.049	-0.004
54	0	Correlation	24.006	24	-0.0062

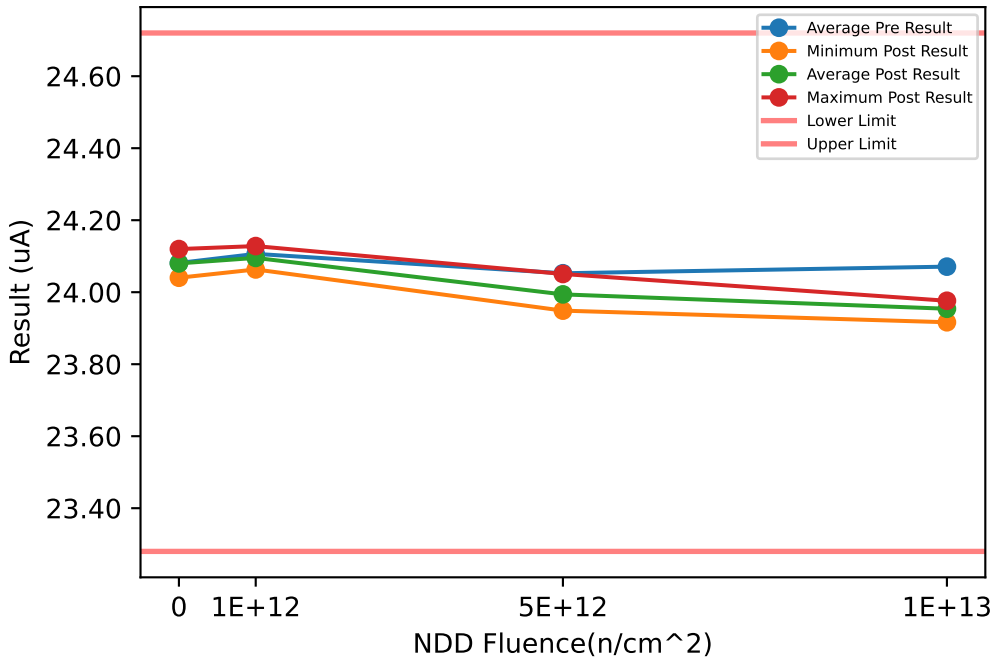
NDD vs Post - Pre Exposure Delta



Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.006	24.029	24.053	0.032951	24	24.024	24.049	0.034507	-0.0062	-0.0051	-0.004	0.0015556
1e+12	23.983	24.074	24.119	0.062277	23.969	24.061	24.108	0.063165	-0.0141	-0.012925	-0.0116	0.0010275
5e+12	24.012	24.038	24.076	0.027888	23.947	23.98	24.018	0.029731	-0.0653	-0.058675	-0.0525	0.0052677
1e+13	24.024	24.071	24.161	0.063111	23.904	23.954	24.043	0.063668	-0.12	-0.11758	-0.1126	0.0033728

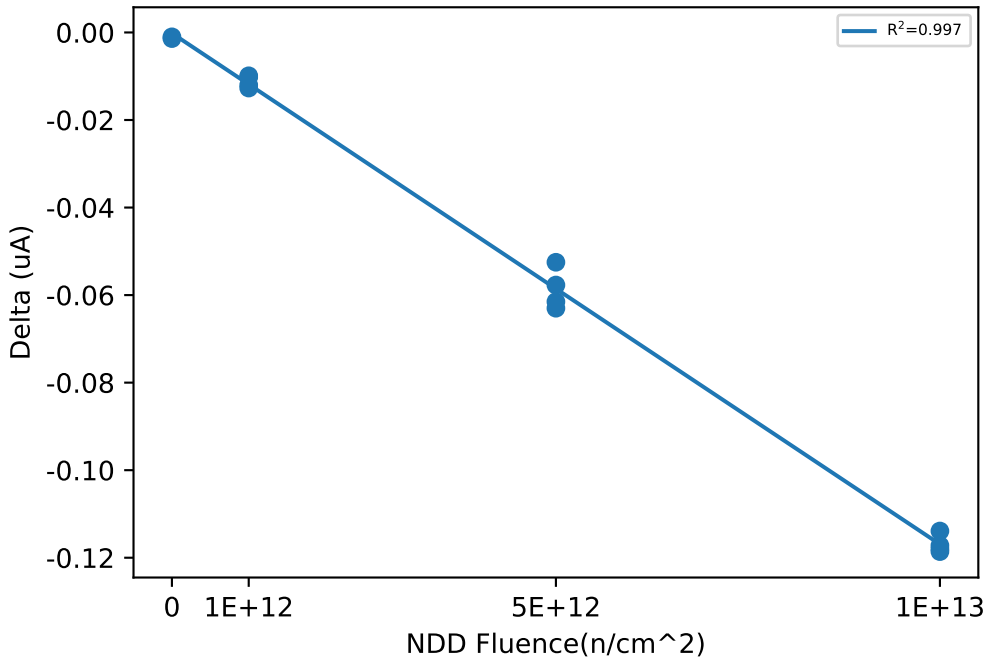
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.138	24.128	-0.0099
2	1e+12	NDD Unbiased	24.075	24.063	-0.012
3	1e+12	NDD Unbiased	24.093	24.081	-0.0127
4	1e+12	NDD Unbiased	24.119	24.109	-0.0102
5	5e+12	NDD Unbiased	24.01	23.949	-0.0615
6	5e+12	NDD Unbiased	24.108	24.051	-0.0577
7	5e+12	NDD Unbiased	24.044	23.992	-0.0525
8	5e+12	NDD Unbiased	24.048	23.985	-0.063
9	1e+13	NDD Unbiased	24.076	23.962	-0.1139
10	1e+13	NDD Unbiased	24.034	23.916	-0.1172
11	1e+13	NDD Unbiased	24.08	23.961	-0.1186
12	1e+13	NDD Unbiased	24.094	23.976	-0.118
53	0	Correlation	24.121	24.12	-0.001
54	0	Correlation	24.042	24.04	-0.0014

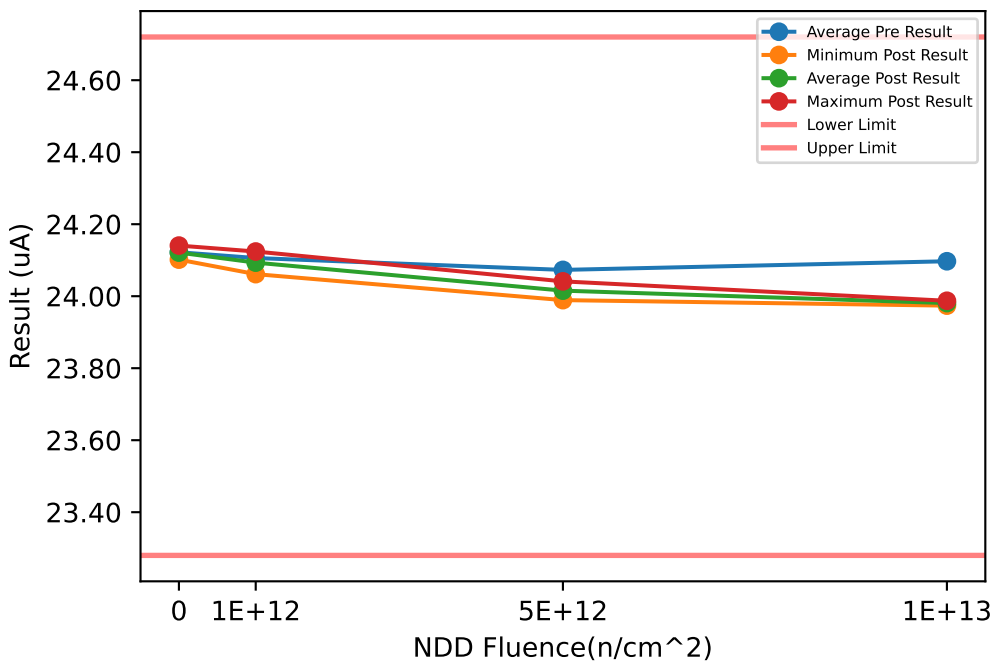
NDD vs Post - Pre Exposure Delta



Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.042	24.081	24.121	0.056003	24.04	24.08	24.12	0.056286	-0.0014	-0.0012	-0.001	0.00028284
1e+12	24.075	24.106	24.138	0.027702	24.063	24.095	24.128	0.028892	-0.0127	-0.0112	-0.0099	0.0013638
5e+12	24.01	24.053	24.108	0.040773	23.949	23.994	24.051	0.042191	-0.063	-0.058675	-0.0525	0.0046821
1e+13	24.034	24.071	24.094	0.026043	23.916	23.954	23.976	0.025946	-0.1186	-0.11693	-0.1139	0.0020966

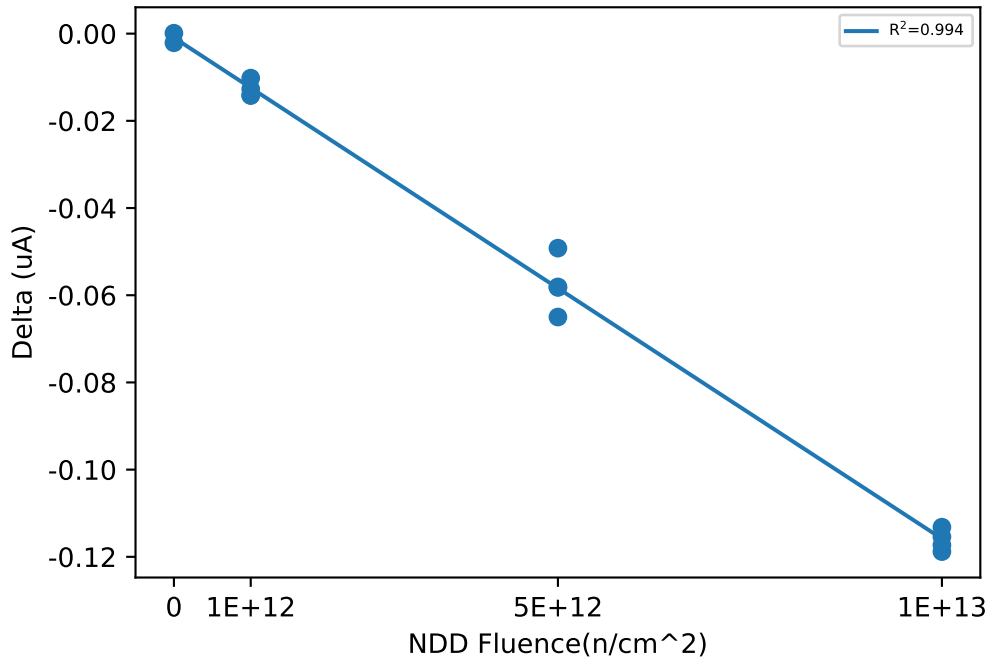
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.079	24.067	-0.0127
2	1e+12	NDD Unbiased	24.075	24.061	-0.0141
3	1e+12	NDD Unbiased	24.138	24.124	-0.0142
4	1e+12	NDD Unbiased	24.131	24.121	-0.0102
5	5e+12	NDD Unbiased	24.047	23.989	-0.0582
6	5e+12	NDD Unbiased	24.087	24.029	-0.0581
7	5e+12	NDD Unbiased	24.09	24.041	-0.0492
8	5e+12	NDD Unbiased	24.068	24.003	-0.065
9	1e+13	NDD Unbiased	24.095	23.982	-0.1132
10	1e+13	NDD Unbiased	24.089	23.974	-0.1154
11	1e+13	NDD Unbiased	24.098	23.98	-0.1173
12	1e+13	NDD Unbiased	24.106	23.987	-0.1188
53	0	Correlation	24.14	24.141	0.0001
54	0	Correlation	24.104	24.102	-0.0021

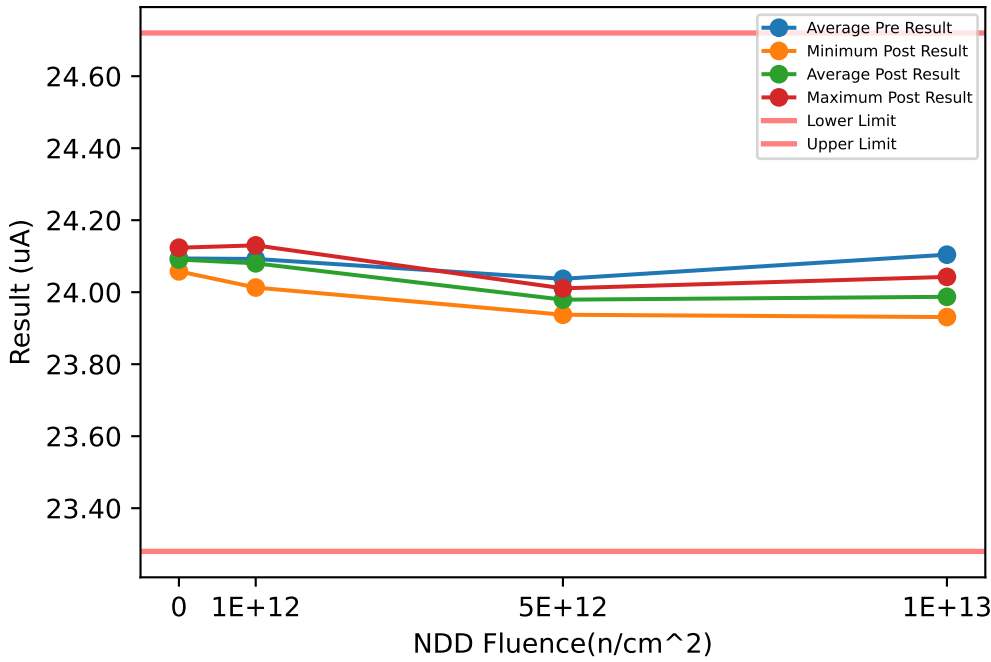
NDD vs Post - Pre Exposure Delta



Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.104	24.122	24.14	0.026022	24.102	24.121	24.141	0.027577	-0.0021	-0.001	0.0001	0.0015556
1e+12	24.075	24.106	24.138	0.033176	24.061	24.093	24.124	0.033792	-0.0142	-0.0128	-0.0102	0.0018637
5e+12	24.047	24.073	24.09	0.019784	23.989	24.015	24.041	0.023701	-0.065	-0.057625	-0.0492	0.0064789
1e+13	24.089	24.097	24.106	0.0069869	23.974	23.981	23.987	0.0055841	-0.1188	-0.11618	-0.1132	0.0024226

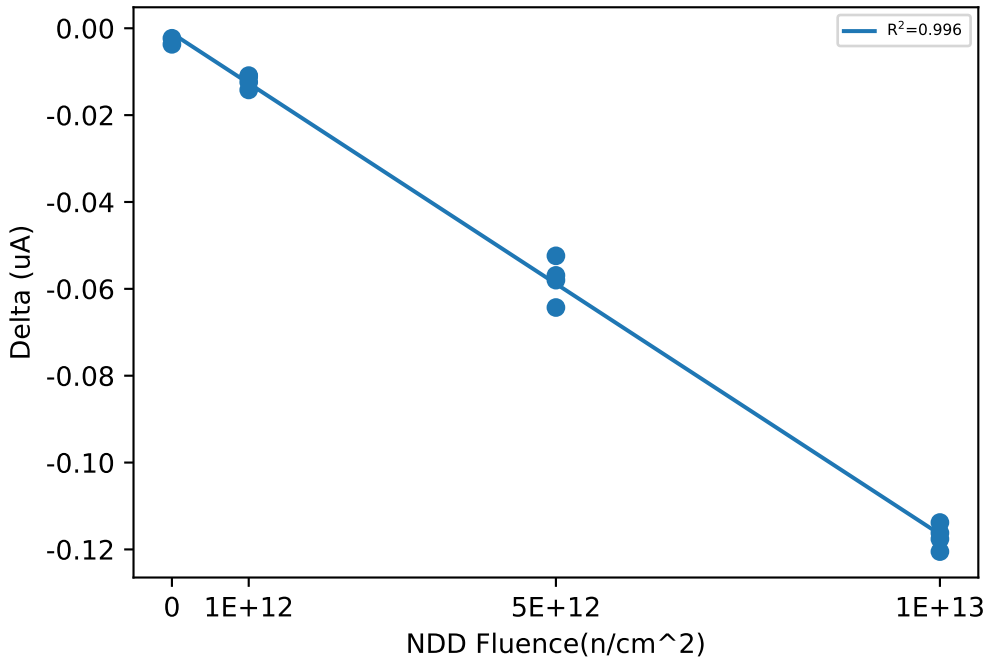
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.141	24.13	-0.0109
2	1e+12	NDD Unbiased	24.027	24.013	-0.0142
3	1e+12	NDD Unbiased	24.101	24.088	-0.0124
4	1e+12	NDD Unbiased	24.101	24.09	-0.0111
5	5e+12	NDD Unbiased	24.043	23.985	-0.058
6	5e+12	NDD Unbiased	24.068	24.011	-0.0569
7	5e+12	NDD Unbiased	24.036	23.984	-0.0524
8	5e+12	NDD Unbiased	24.002	23.937	-0.0643
9	1e+13	NDD Unbiased	24.095	23.982	-0.1138
10	1e+13	NDD Unbiased	24.114	23.994	-0.1205
11	1e+13	NDD Unbiased	24.047	23.931	-0.1162
12	1e+13	NDD Unbiased	24.16	24.043	-0.1176
53	0	Correlation	24.126	24.124	-0.0023
54	0	Correlation	24.062	24.058	-0.0037

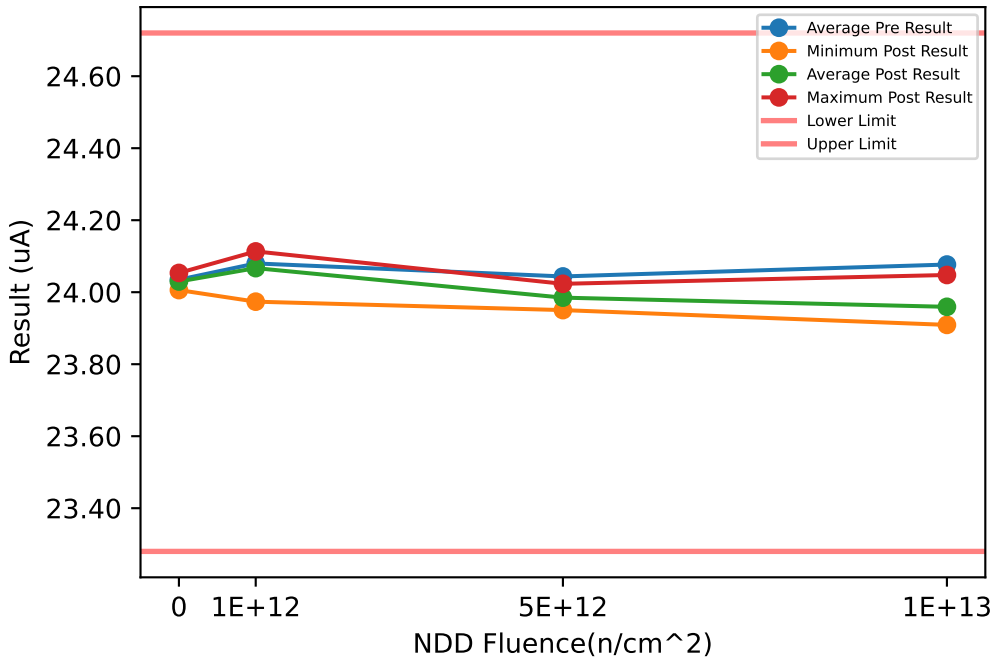
NDD vs Post - Pre Exposure Delta



Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.062	24.094	24.126	0.045467	24.058	24.091	24.124	0.046457	-0.0037	-0.003	-0.0023	0.00098995
1e+12	24.027	24.092	24.141	0.047477	24.013	24.08	24.13	0.048893	-0.0142	-0.01215	-0.0109	0.0015199
5e+12	24.002	24.037	24.068	0.027196	23.937	23.979	24.011	0.030524	-0.0643	-0.0579	-0.0524	0.0049065
1e+13	24.047	24.104	24.16	0.046785	23.931	23.987	24.043	0.04584	-0.1205	-0.11702	-0.1138	0.0027981

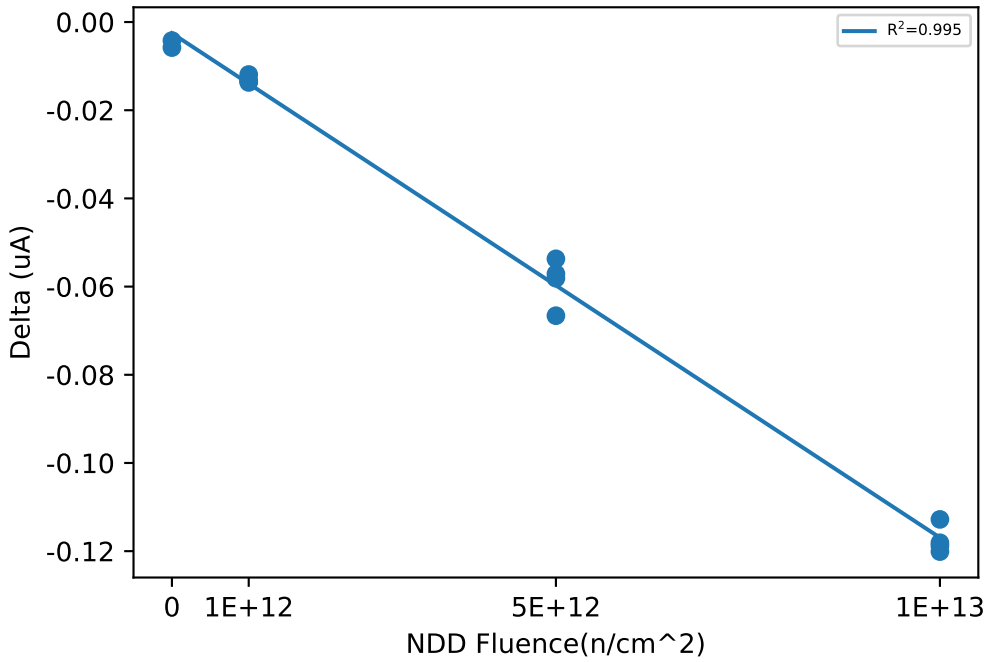
NDD vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (uA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	24.125	24.113	-0.0119
2	1e+12	NDD Unbiased	23.987	23.974	-0.0137
3	1e+12	NDD Unbiased	24.111	24.098	-0.0133
4	1e+12	NDD Unbiased	24.096	24.082	-0.0134
5	5e+12	NDD Unbiased	24.047	23.99	-0.0571
6	5e+12	NDD Unbiased	24.081	24.023	-0.0581
7	5e+12	NDD Unbiased	24.03	23.976	-0.0537
8	5e+12	NDD Unbiased	24.017	23.95	-0.0666
9	1e+13	NDD Unbiased	24.075	23.962	-0.1128
10	1e+13	NDD Unbiased	24.038	23.919	-0.1188
11	1e+13	NDD Unbiased	24.029	23.909	-0.1201
12	1e+13	NDD Unbiased	24.166	24.048	-0.1181
53	0	Correlation	24.058	24.053	-0.0042
54	0	Correlation	24.012	24.006	-0.0058

NDD vs Post - Pre Exposure Delta

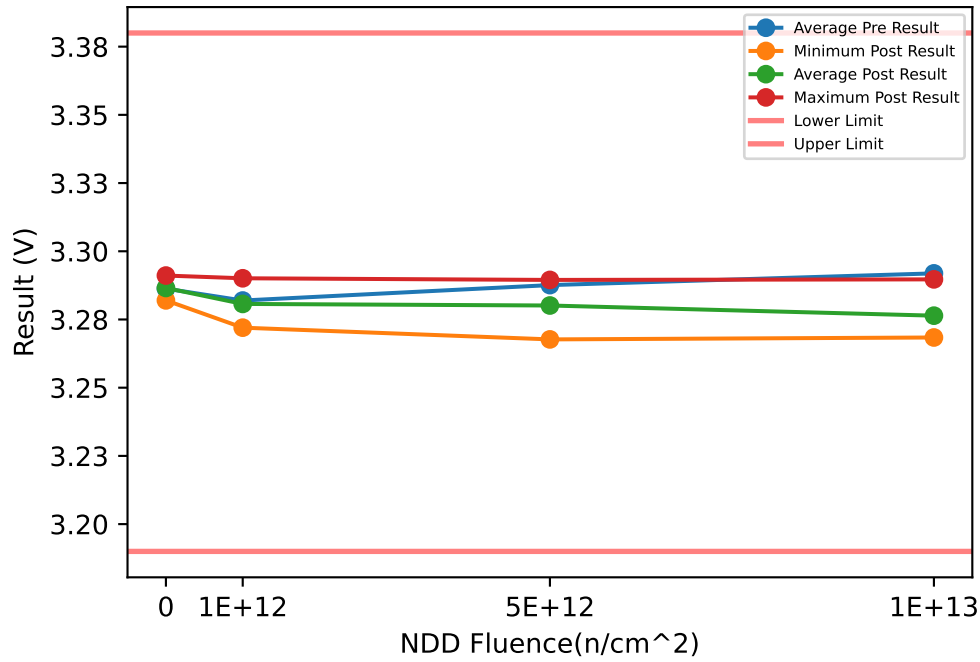


Test Statistics (uA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.012	24.035	24.058	0.032527	24.006	24.03	24.053	0.033658	-0.0058	-0.005	-0.0042	0.0011314
1e+12	23.987	24.08	24.125	0.062858	23.974	24.067	24.113	0.063385	-0.0137	-0.013075	-0.0119	0.00080156
5e+12	24.017	24.044	24.081	0.027906	23.95	23.985	24.023	0.030374	-0.0666	-0.058875	-0.0537	0.0054835
1e+13	24.029	24.077	24.166	0.062549	23.909	23.959	24.048	0.063215	-0.1201	-0.11745	-0.1128	0.0032088

Device Test: 15.7 VLDO_REG(_VLDO|V_VLDO/VLDO//14/0/0/0/@VLDO_REG)

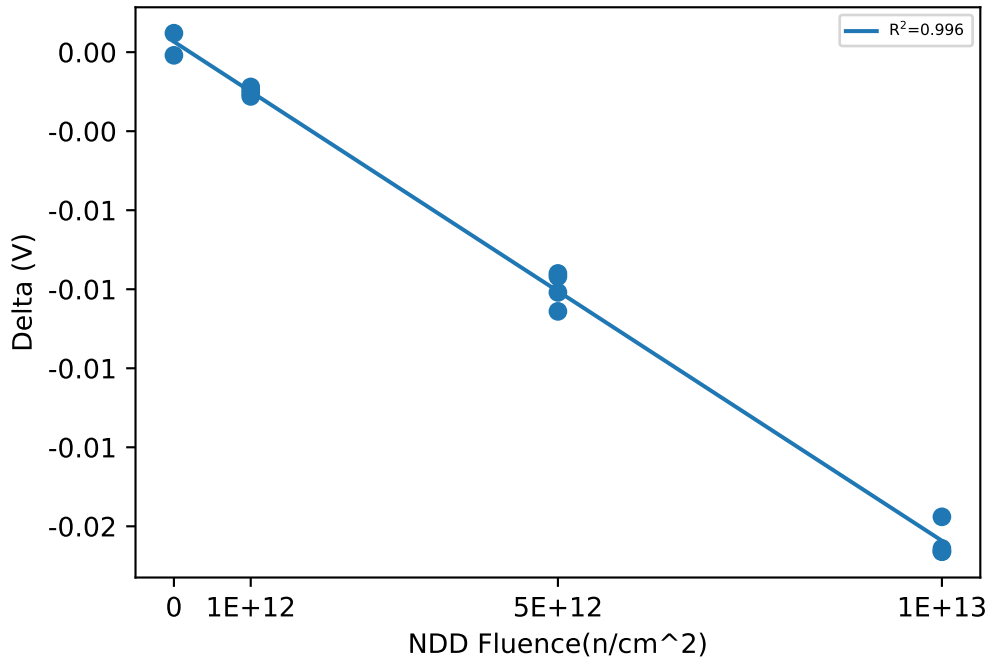
NDD vs Result Stats



Test Results (Lower Limit = 3.19, Upper Limit = 3.38 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2732	3.272	-0.0012
2	1e+12	NDD Unbiased	3.2914	3.2901	-0.0013
3	1e+12	NDD Unbiased	3.2859	3.2845	-0.0014
4	1e+12	NDD Unbiased	3.2773	3.2762	-0.0011
5	5e+12	NDD Unbiased	3.2885	3.2814	-0.0071
6	5e+12	NDD Unbiased	3.2901	3.2819	-0.0082
7	5e+12	NDD Unbiased	3.2747	3.2677	-0.007
8	5e+12	NDD Unbiased	3.2971	3.2895	-0.0076
9	1e+13	NDD Unbiased	3.2896	3.2749	-0.0147
10	1e+13	NDD Unbiased	3.2884	3.2726	-0.0158
11	1e+13	NDD Unbiased	3.3055	3.2897	-0.0158
12	1e+13	NDD Unbiased	3.2841	3.2684	-0.0157
53	0	Correlation	3.2905	3.2911	0.0006
54	0	Correlation	3.2821	3.282	-0.0001

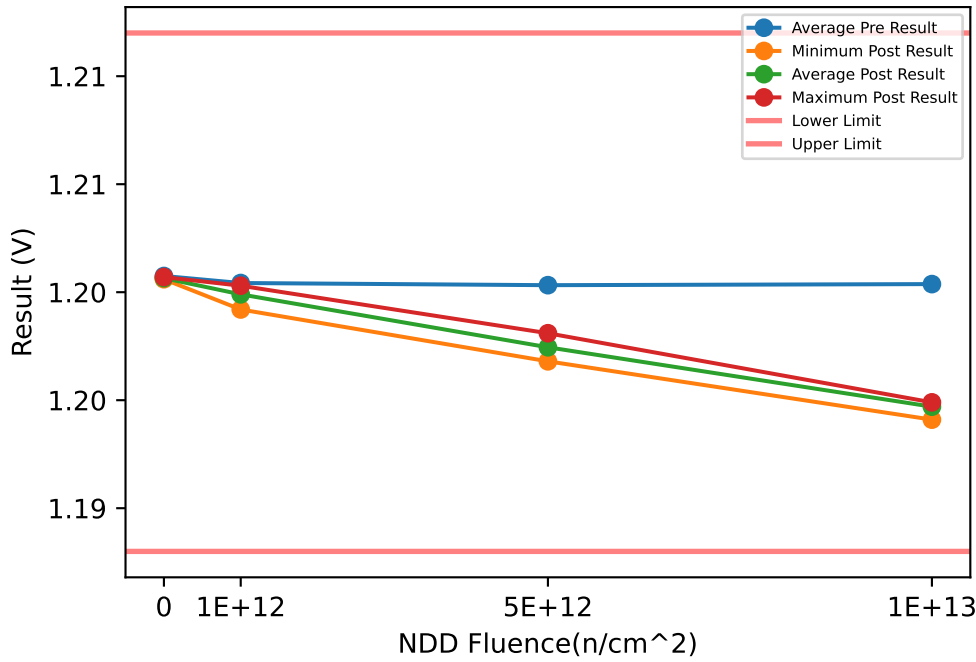
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2821	3.2863	3.2905	0.0059397	3.282	3.2866	3.2911	0.0064347	-0.0001	0.00025	0.0006	0.00049497
1e+12	3.2732	3.282	3.2914	0.0082278	3.272	3.2807	3.2901	0.0081392	-0.0014	-0.00125	-0.0011	0.0001291
5e+12	3.2747	3.2876	3.2971	0.0093759	3.2677	3.2801	3.2895	0.0090746	-0.0082	-0.007475	-0.007	0.00055
1e+13	3.2841	3.2919	3.3055	0.0093691	3.2684	3.2764	3.2897	0.0092661	-0.0158	-0.0155	-0.0147	0.00053541

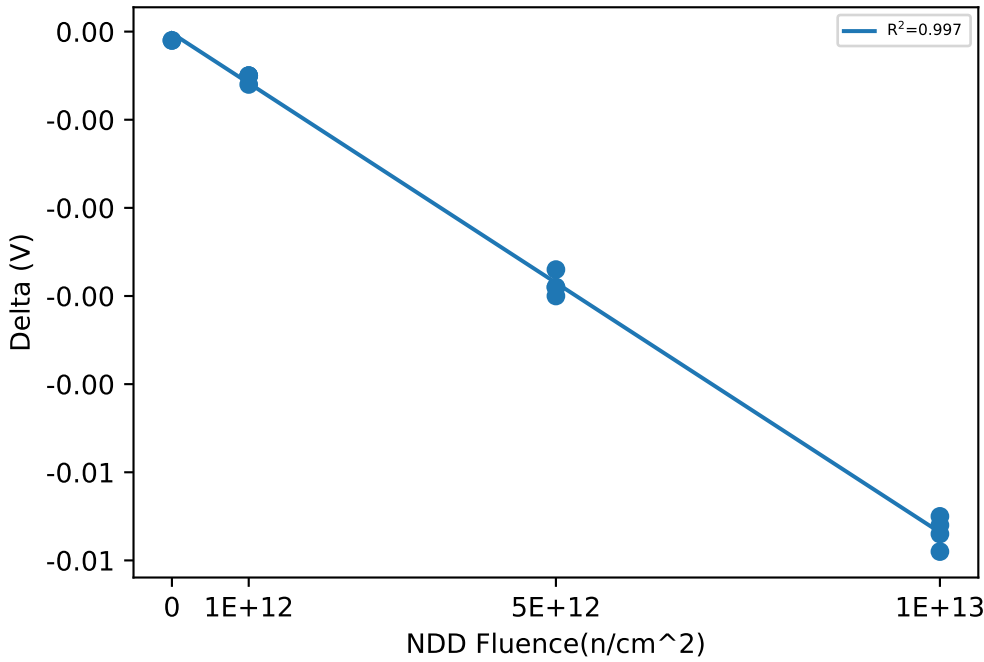
NDD vs Result Stats



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.2004	1.1999	-0.0005
2	1e+12	NDD Unbiased	1.2009	1.2003	-0.0006
3	1e+12	NDD Unbiased	1.2007	1.2002	-0.0005
4	1e+12	NDD Unbiased	1.1997	1.1992	-0.0005
5	5e+12	NDD Unbiased	1.1997	1.1968	-0.0029
6	5e+12	NDD Unbiased	1.2011	1.1981	-0.003
7	5e+12	NDD Unbiased	1.2001	1.1974	-0.0027
8	5e+12	NDD Unbiased	1.2004	1.1975	-0.0029
9	1e+13	NDD Unbiased	1.2004	1.1949	-0.0055
10	1e+13	NDD Unbiased	1.2006	1.1949	-0.0057
11	1e+13	NDD Unbiased	1.2008	1.1949	-0.0059
12	1e+13	NDD Unbiased	1.1997	1.1941	-0.0056
53	0	Correlation	1.2007	1.2006	-0.0001
54	0	Correlation	1.2008	1.2007	-0.0001

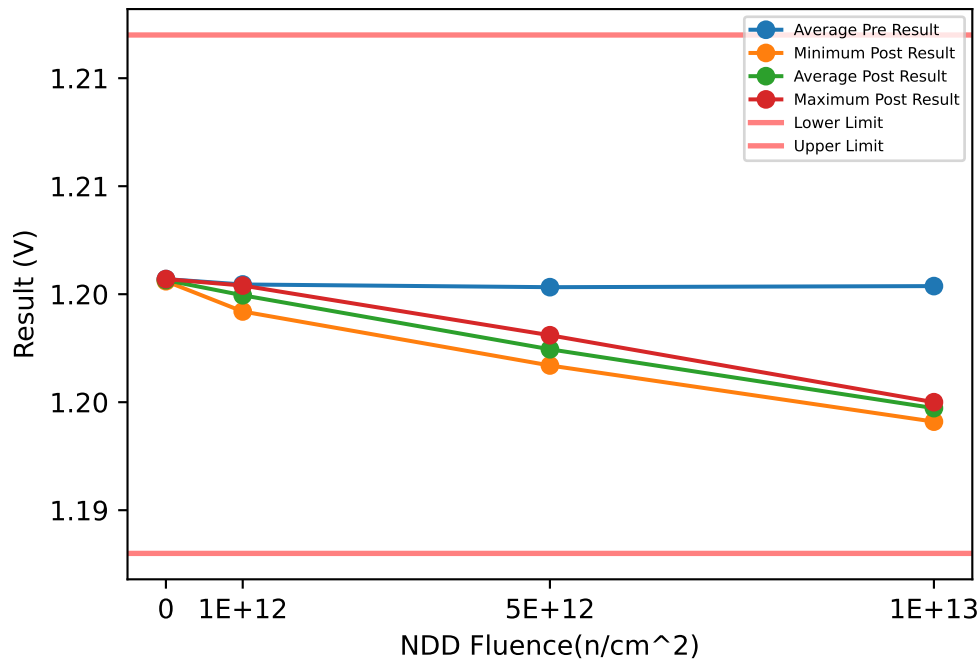
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2007	1.2008	1.2008	7.0711e-05	1.2006	1.2006	1.2007	7.0711e-05	-0.0001	-0.0001	-0.0001	1.5701e-16
1e+12	1.1997	1.2004	1.2009	0.0005252	1.1992	1.1999	1.2003	0.00049666	-0.0006	-0.000525	-0.0005	5e-05
5e+12	1.1997	1.2003	1.2011	0.0005909	1.1968	1.1974	1.1981	0.00053229	-0.003	-0.002875	-0.0027	0.00012583
1e+13	1.1997	1.2004	1.2008	0.00047871	1.1941	1.1947	1.1949	0.0004	-0.0059	-0.005675	-0.0055	0.00017078

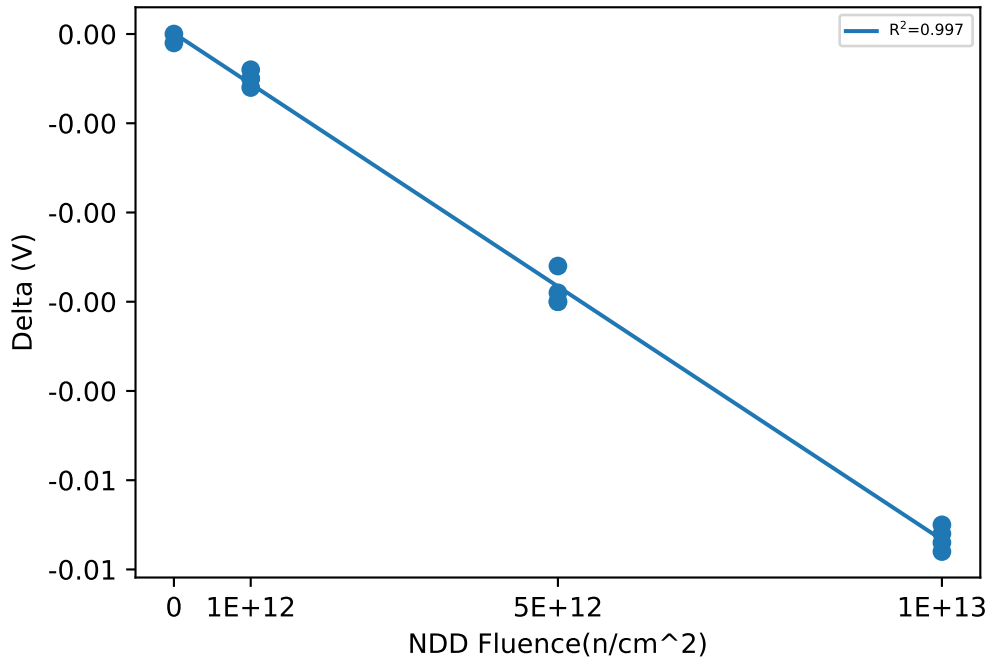
NDD vs Result Stats



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	1.2004	1.2	-0.0004
2	1e+12	NDD Unbiased	1.2009	1.2004	-0.0005
3	1e+12	NDD Unbiased	1.2008	1.2002	-0.0006
4	1e+12	NDD Unbiased	1.1997	1.1992	-0.0005
5	5e+12	NDD Unbiased	1.1997	1.1967	-0.003
6	5e+12	NDD Unbiased	1.2011	1.1981	-0.003
7	5e+12	NDD Unbiased	1.2001	1.1975	-0.0026
8	5e+12	NDD Unbiased	1.2004	1.1975	-0.0029
9	1e+13	NDD Unbiased	1.2004	1.1949	-0.0055
10	1e+13	NDD Unbiased	1.2006	1.1949	-0.0057
11	1e+13	NDD Unbiased	1.2008	1.195	-0.0058
12	1e+13	NDD Unbiased	1.1997	1.1941	-0.0056
53	0	Correlation	1.2006	1.2006	0
54	0	Correlation	1.2008	1.2007	-0.0001

NDD vs Post - Pre Exposure Delta

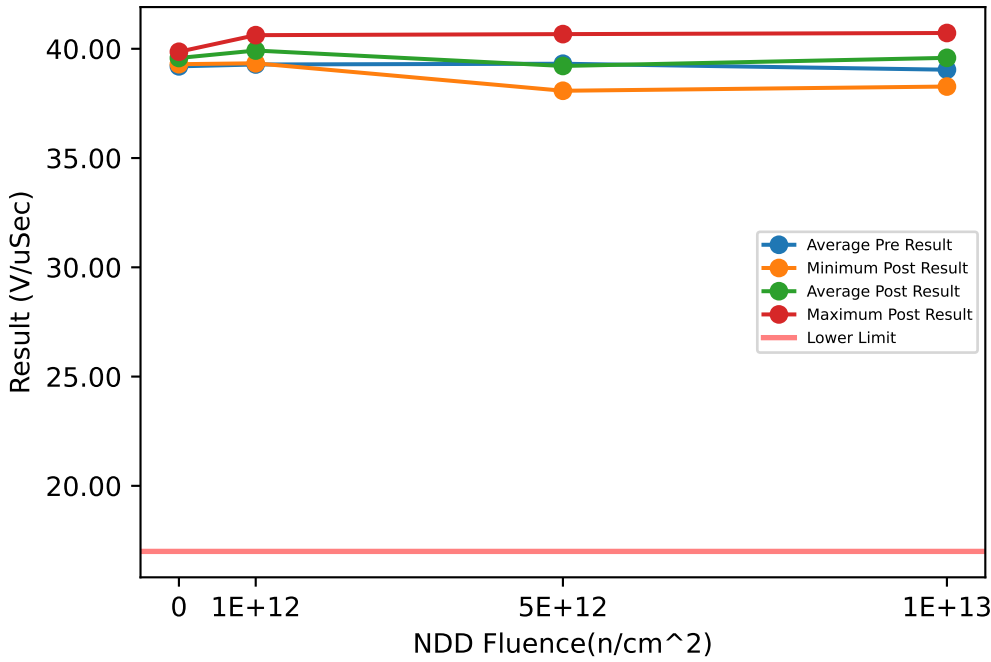


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2006	1.2007	1.2008	0.00014142	1.2006	1.2006	1.2007	7.0711e-05	-0.0001	-5e-05	0	7.0711e-05
1e+12	1.1997	1.2005	1.2009	0.00054467	1.1992	1.1999	1.2004	0.00052599	-0.0006	-0.0005	-0.0004	8.165e-05
5e+12	1.1997	1.2003	1.2011	0.0005909	1.1967	1.1974	1.1981	0.00057446	-0.003	-0.002875	-0.0026	0.0001893
1e+13	1.1997	1.2004	1.2008	0.00047871	1.1941	1.1947	1.195	0.00041932	-0.0058	-0.00565	-0.0055	0.0001291

Device Test: 16.1 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN1/1.6/3/0/0/0/@EN_SLEW_RATE_RISE)

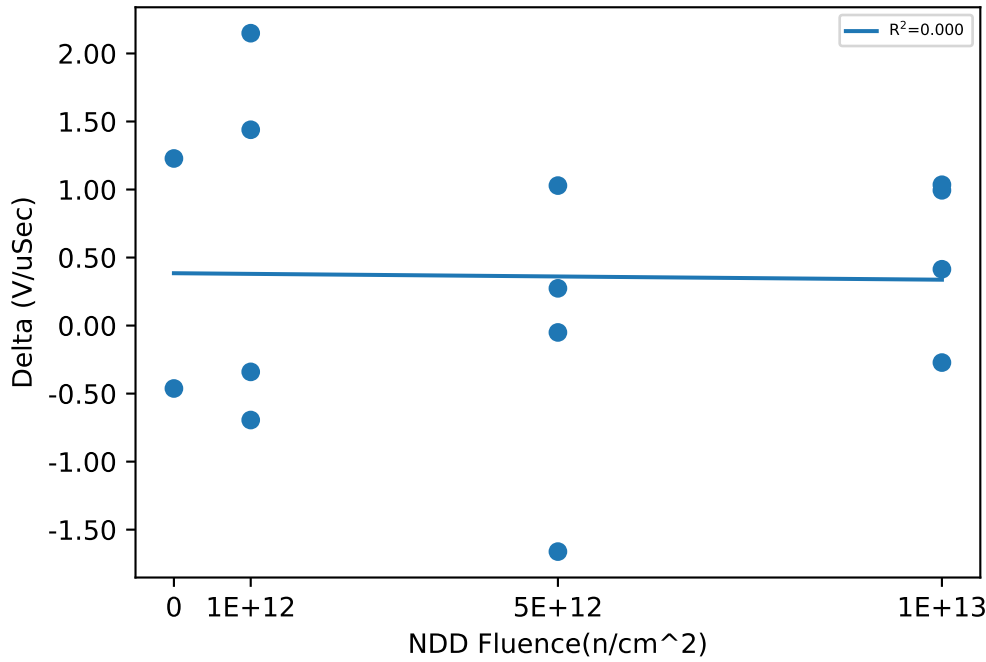
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	38.475	40.624	2.149
2	1e+12	NDD Unbiased	40.379	39.685	-0.6943
3	1e+12	NDD Unbiased	39.677	39.337	-0.3403
4	1e+12	NDD Unbiased	38.595	40.035	1.4393
5	5e+12	NDD Unbiased	39.74	38.079	-1.6613
6	5e+12	NDD Unbiased	39.382	39.656	0.2737
7	5e+12	NDD Unbiased	39.643	40.672	1.0289
8	5e+12	NDD Unbiased	38.5	38.449	-0.0504
9	1e+13	NDD Unbiased	38.864	39.899	1.0351
10	1e+13	NDD Unbiased	38.453	39.448	0.9942
11	1e+13	NDD Unbiased	40.309	40.722	0.414
12	1e+13	NDD Unbiased	38.544	38.272	-0.2719
53	0	Correlation	39.757	39.295	-0.4624
54	0	Correlation	38.635	39.863	1.2282

NDD vs Post - Pre Exposure Delta

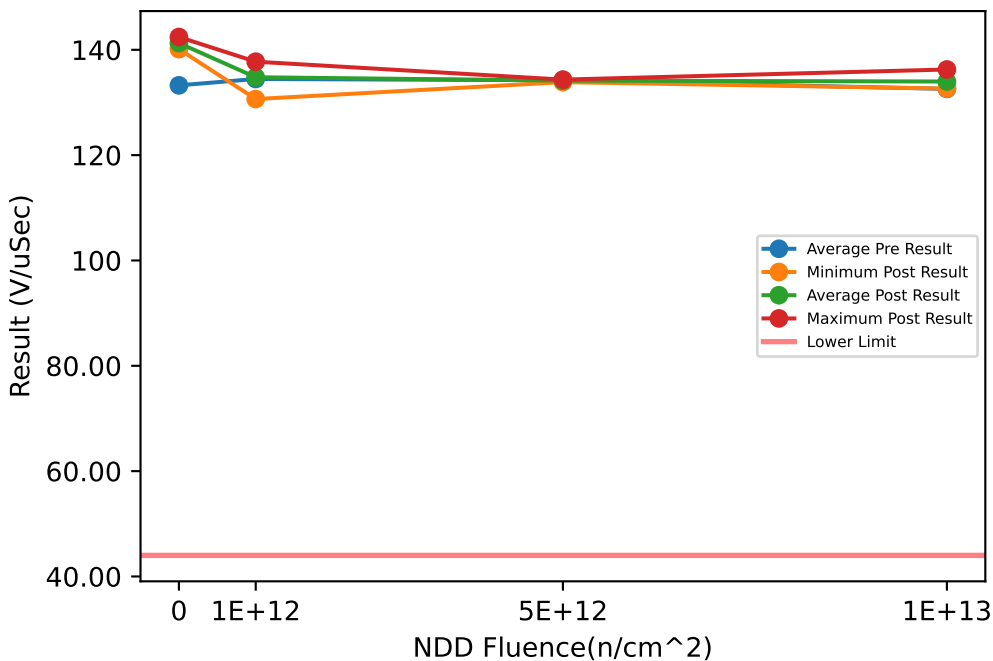


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.635	39.196	39.757	0.79337	39.295	39.579	39.863	0.40206	-0.4624	0.3829	1.2282	1.1954
1e+12	38.475	39.282	40.379	0.90982	39.337	39.92	40.624	0.54888	-0.6943	0.63843	2.149	1.3732
5e+12	38.5	39.316	39.74	0.56489	38.079	39.214	40.672	1.1822	-1.6613	-0.10228	1.0289	1.1335
1e+13	38.453	39.042	40.309	0.86218	38.272	39.585	40.722	1.0223	-0.2719	0.54285	1.0351	0.61277

Device Test: 16.10 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN4/1.6/3/0/0/0/@EN_SLEW_RATE_FALL)

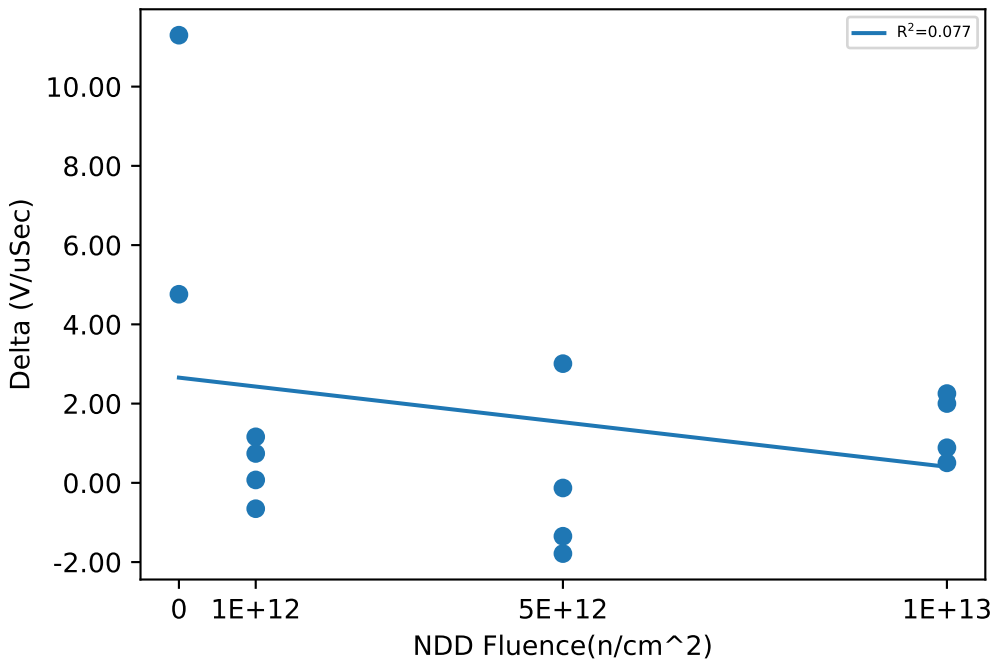
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	137.67	137.74	0.0735
2	1e+12	NDD Unbiased	136.48	137.23	0.7411
3	1e+12	NDD Unbiased	129.49	130.65	1.1616
4	1e+12	NDD Unbiased	134.19	133.54	-0.6527
5	5e+12	NDD Unbiased	131.23	134.24	3.0083
6	5e+12	NDD Unbiased	135.52	134.17	-1.3473
7	5e+12	NDD Unbiased	135.64	133.86	-1.7856
8	5e+12	NDD Unbiased	134.47	134.34	-0.1295
9	1e+13	NDD Unbiased	134.26	136.26	2.0014
10	1e+13	NDD Unbiased	131.59	133.84	2.2536
11	1e+13	NDD Unbiased	132.29	133.18	0.8861
12	1e+13	NDD Unbiased	132.13	132.64	0.5048
53	0	Correlation	131.13	142.43	11.298
54	0	Correlation	135.37	140.13	4.7597

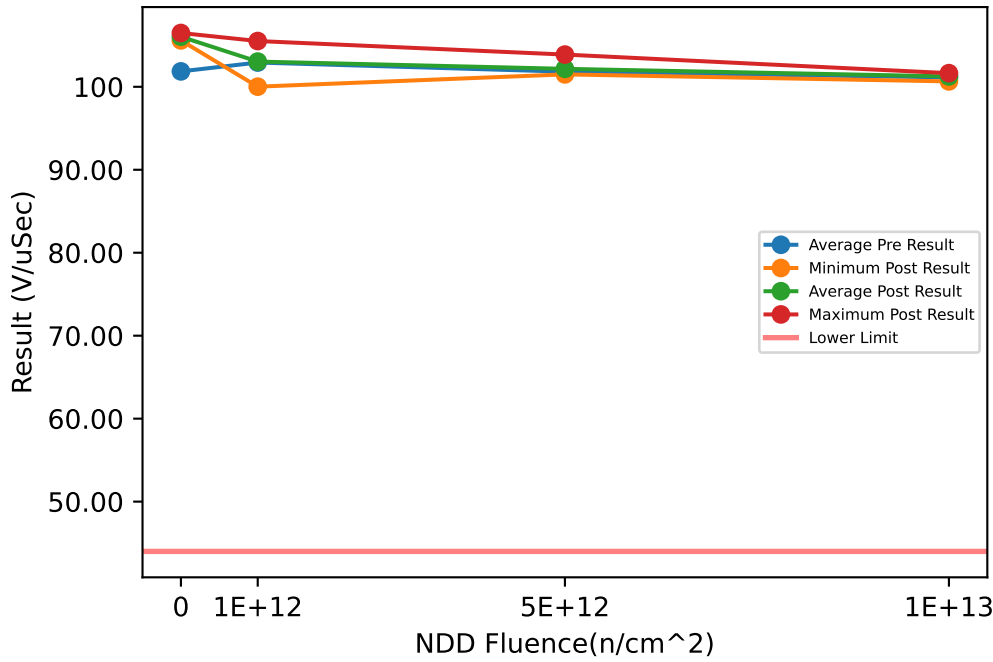
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.13	133.25	135.37	2.9942	140.13	141.28	142.43	1.6288	4.7597	8.0287	11.298	4.6231
1e+12	129.49	134.46	137.67	3.6149	130.65	134.79	137.74	3.3348	-0.6527	0.33088	1.1616	0.79416
5e+12	131.23	134.22	135.64	2.0576	133.86	134.15	134.34	0.20923	-1.7856	-0.063525	3.0083	2.1644
1e+13	131.59	132.57	134.26	1.168	132.64	133.98	136.26	1.5995	0.5048	1.4115	2.2536	0.8476

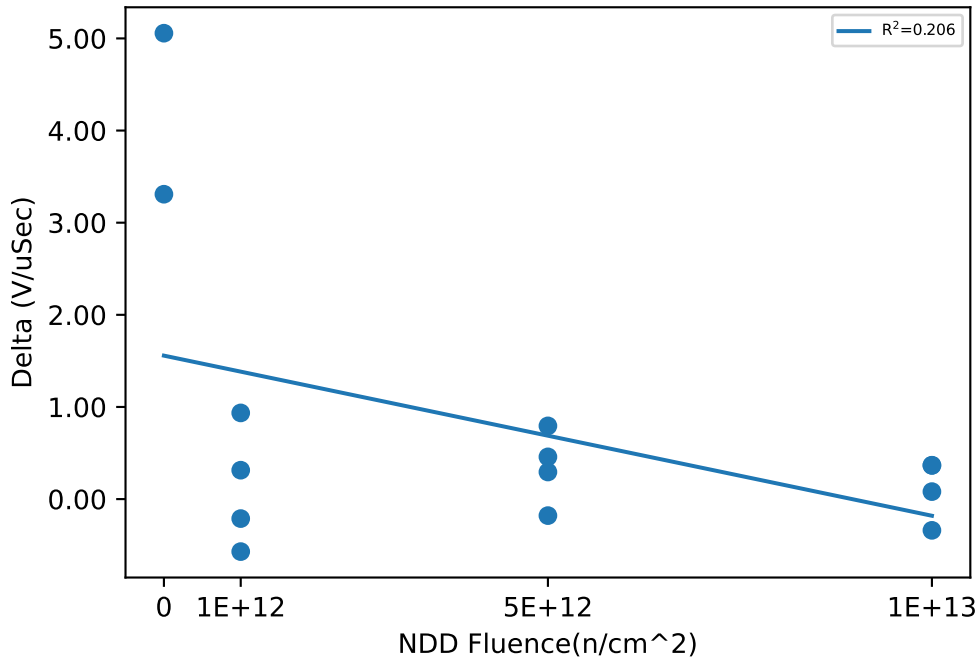
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

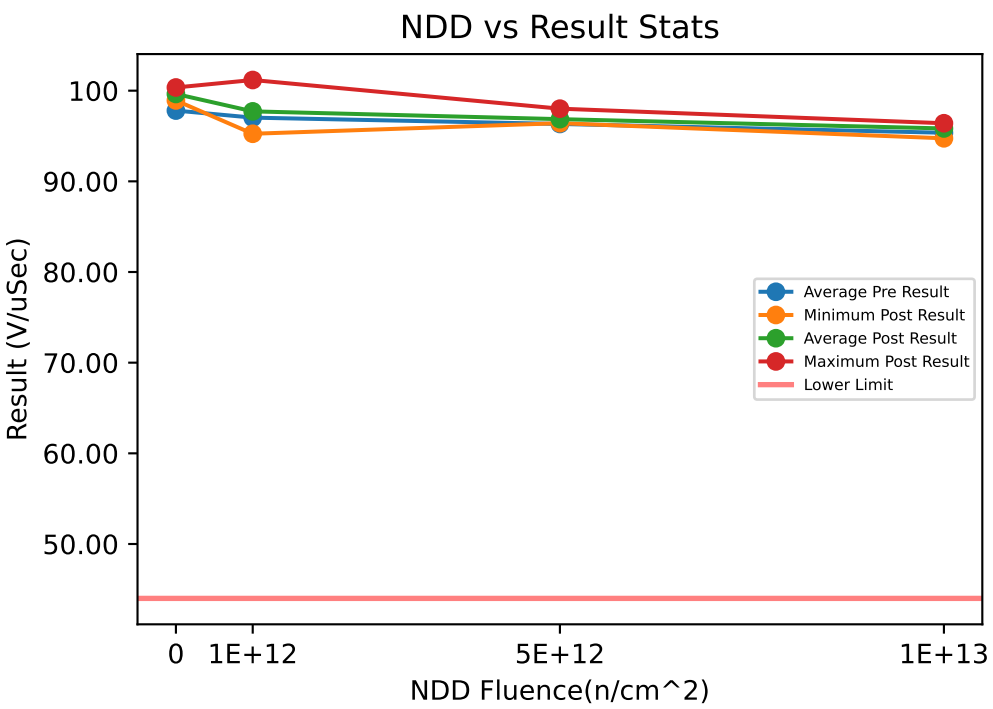
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	104.49	105.43	0.9354
2	1e+12	NDD Unbiased	106.09	105.52	-0.5698
3	1e+12	NDD Unbiased	100.23	100.02	-0.2115
4	1e+12	NDD Unbiased	100.89	101.2	0.3137
5	5e+12	NDD Unbiased	101.27	101.73	0.4583
6	5e+12	NDD Unbiased	103.09	103.88	0.7946
7	5e+12	NDD Unbiased	101.2	101.5	0.2941
8	5e+12	NDD Unbiased	101.73	101.55	-0.1792
9	1e+13	NDD Unbiased	101.98	101.64	-0.3391
10	1e+13	NDD Unbiased	101.51	101.59	0.0813
11	1e+13	NDD Unbiased	100.75	101.12	0.3677
12	1e+13	NDD Unbiased	100.29	100.65	0.3657
53	0	Correlation	101.43	106.48	5.0566
54	0	Correlation	102.29	105.59	3.3089

NDD vs Post - Pre Exposure Delta



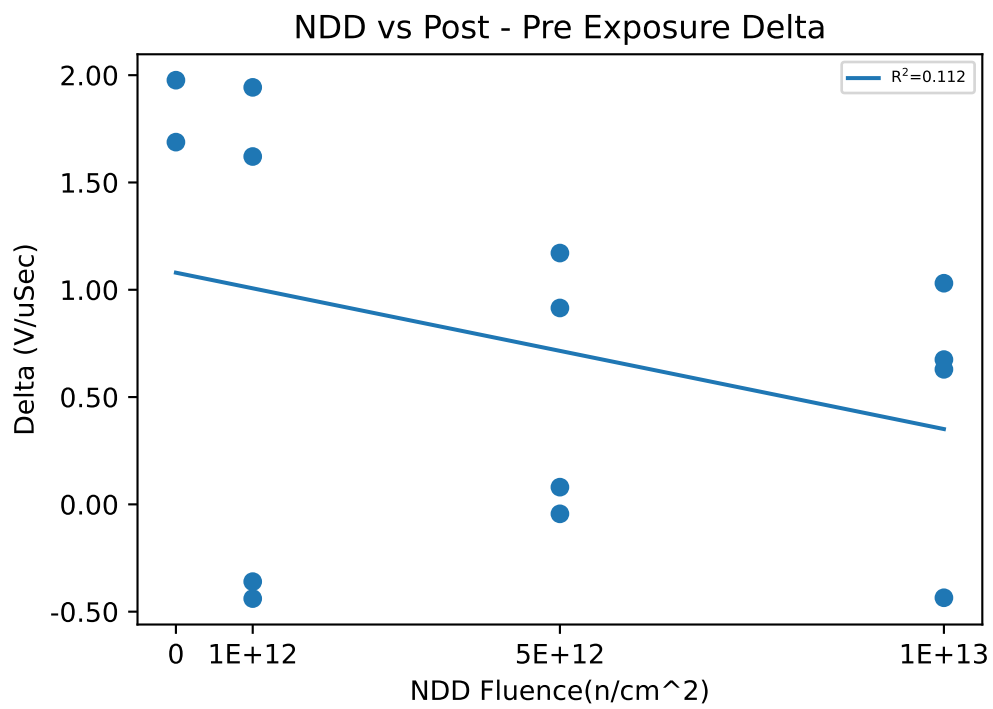
Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	101.43	101.86	102.29	0.60663	105.59	106.04	106.48	0.62918	3.3089	4.1828	5.0566	1.2358
1e+12	100.23	102.92	106.09	2.8214	100.02	103.04	105.52	2.85	-0.5698	0.11695	0.9354	0.65525
5e+12	101.2	101.82	103.09	0.87594	101.5	102.17	103.88	1.1502	-0.1792	0.34195	0.7946	0.4051
1e+13	100.29	101.13	101.98	0.75934	100.65	101.25	101.64	0.46482	-0.3391	0.1189	0.3677	0.33366



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	99.234	101.18	1.9432
2	1e+12	NDD Unbiased	99.026	98.587	-0.4391
3	1e+12	NDD Unbiased	95.607	95.247	-0.36
4	1e+12	NDD Unbiased	94.238	95.859	1.621
5	5e+12	NDD Unbiased	95.501	96.417	0.9152
6	5e+12	NDD Unbiased	98.059	98.015	-0.0441
7	5e+12	NDD Unbiased	96.496	96.576	0.0802
8	5e+12	NDD Unbiased	95.257	96.428	1.1711
9	1e+13	NDD Unbiased	95.507	96.181	0.6747
10	1e+13	NDD Unbiased	95.377	96.408	1.0305
11	1e+13	NDD Unbiased	95.182	94.746	-0.4352
12	1e+13	NDD Unbiased	95.367	95.996	0.6292
53	0	Correlation	97.234	98.922	1.688
54	0	Correlation	98.375	100.35	1.9766

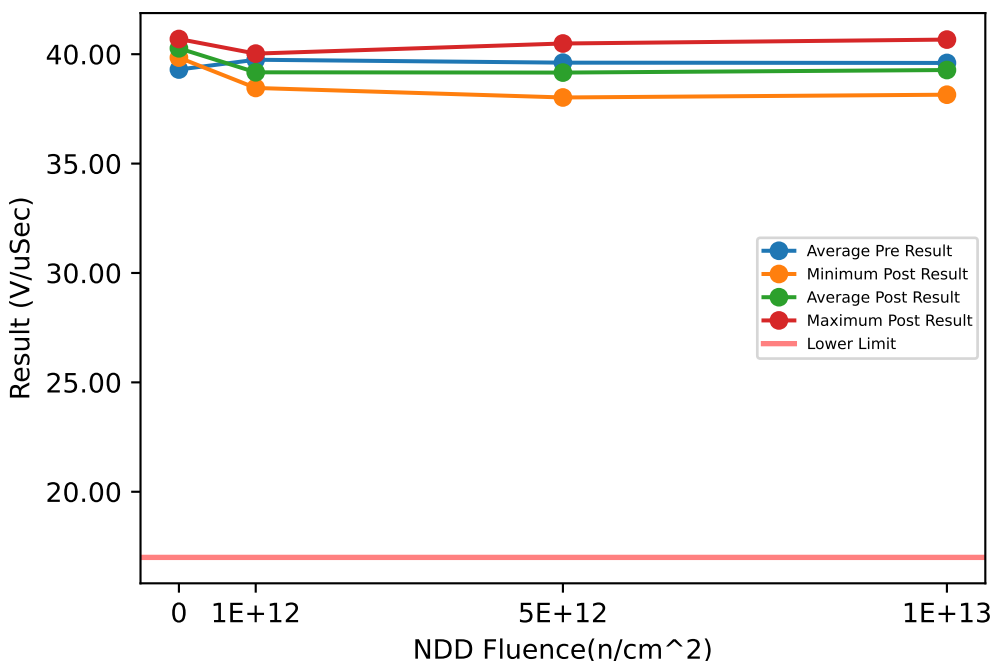


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.234	97.805	98.375	0.80709	98.922	99.637	100.35	1.0112	1.688	1.8323	1.9766	0.20407
1e+12	94.238	97.026	99.234	2.4941	95.247	97.717	101.18	2.7255	-0.4391	0.69127	1.9432	1.2668
5e+12	95.257	96.328	98.059	1.2721	96.417	96.859	98.015	0.77419	-0.0441	0.5306	1.1711	0.60313
1e+13	95.182	95.358	95.507	0.1338	94.746	95.833	96.408	0.74364	-0.4352	0.4748	1.0305	0.63264

Device Test: 16.13 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN1/1.6/14/0/0/0/@EN_SLEW_RATE_RISE)

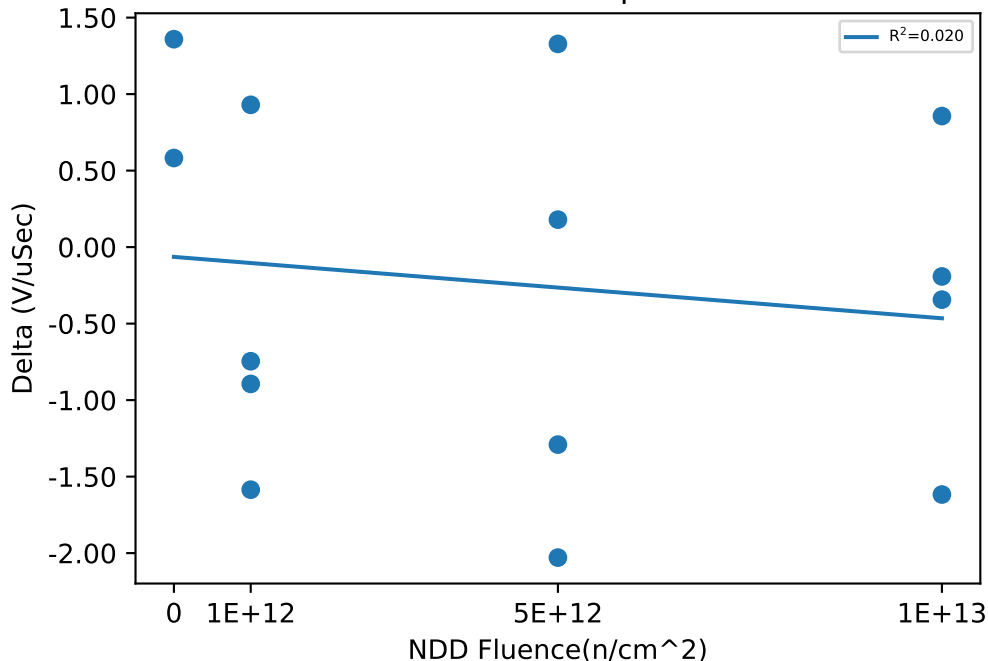
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	40.114	39.368	-0.746
2	1e+12	NDD Unbiased	39.097	40.027	0.9299
3	1e+12	NDD Unbiased	39.351	38.457	-0.8941
4	1e+12	NDD Unbiased	40.422	38.836	-1.5855
5	5e+12	NDD Unbiased	40.426	39.135	-1.2907
6	5e+12	NDD Unbiased	40.051	38.022	-2.0293
7	5e+12	NDD Unbiased	38.814	38.994	0.1796
8	5e+12	NDD Unbiased	39.161	40.489	1.3281
9	1e+13	NDD Unbiased	39.811	40.668	0.8565
10	1e+13	NDD Unbiased	38.492	38.149	-0.3434
11	1e+13	NDD Unbiased	39.637	39.445	-0.1916
12	1e+13	NDD Unbiased	40.46	38.843	-1.6171
53	0	Correlation	38.486	39.845	1.3589
54	0	Correlation	40.112	40.695	0.5824

NDD vs Post - Pre Exposure Delta

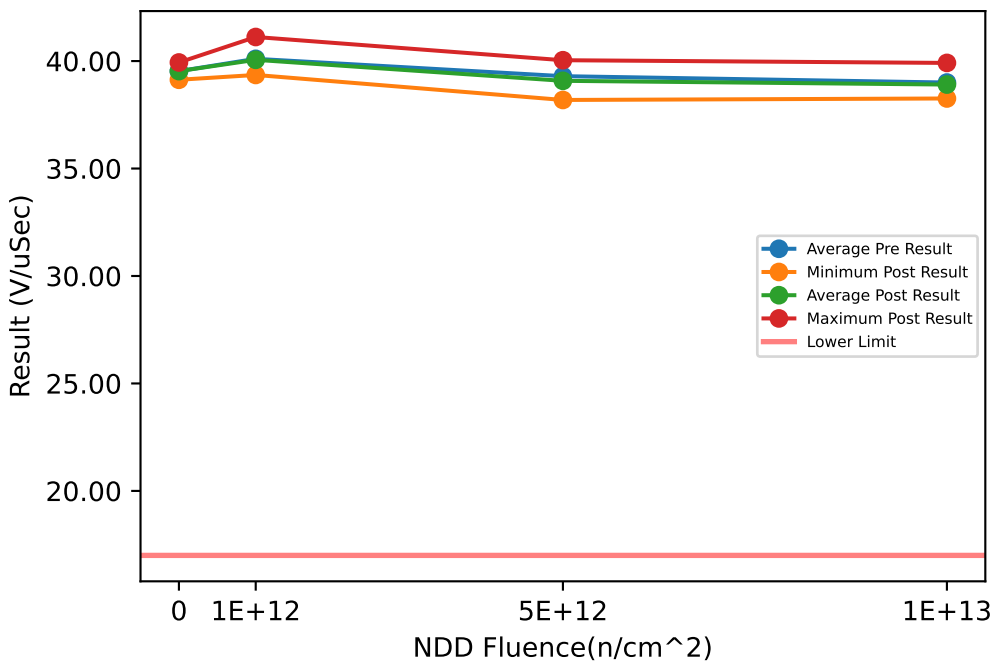


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.486	39.299	40.112	1.15	39.845	40.27	40.695	0.6009	0.5824	0.97065	1.3589	0.54907
1e+12	39.097	39.746	40.422	0.62442	38.457	39.172	40.027	0.68152	-1.5855	-0.57393	0.9299	1.0672
5e+12	38.814	39.613	40.426	0.75157	38.022	39.16	40.489	1.0148	-2.0293	-0.45308	1.3281	1.501
1e+13	38.492	39.6	40.46	0.81921	38.149	39.276	40.668	1.0682	-1.6171	-0.3239	0.8565	1.0138

Device Test: 16.14 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN2/1.6/14/0/0/0/@EN_SLEW_RATE_RISE)

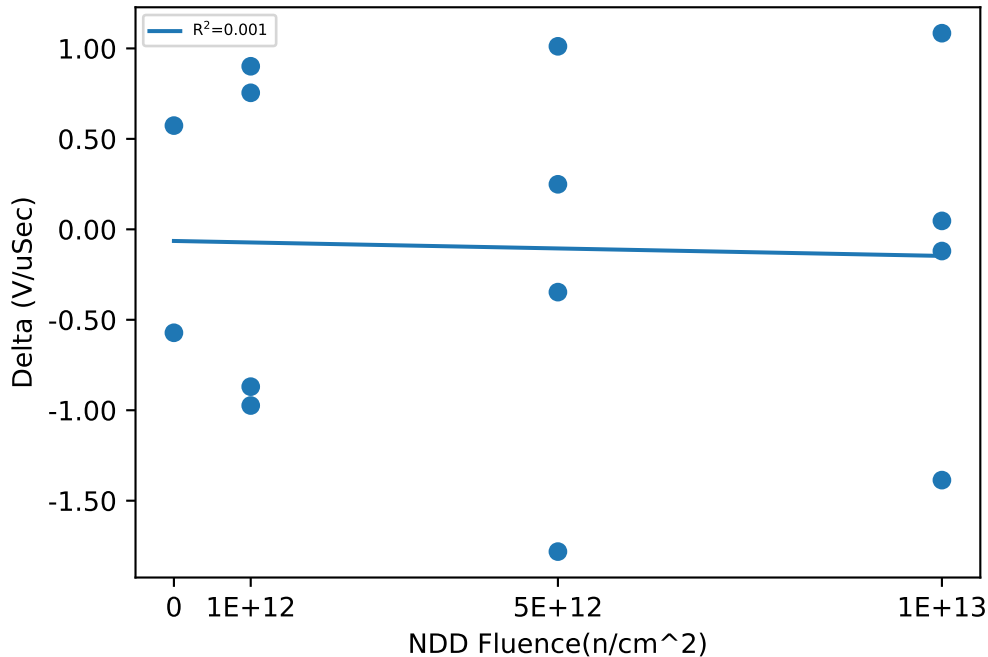
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	40.218	41.12	0.9013
2	1e+12	NDD Unbiased	40.935	39.962	-0.9739
3	1e+12	NDD Unbiased	40.223	39.354	-0.8696
4	1e+12	NDD Unbiased	39.04	39.795	0.7546
5	5e+12	NDD Unbiased	40.386	40.039	-0.3471
6	5e+12	NDD Unbiased	39.971	38.19	-1.7813
7	5e+12	NDD Unbiased	38.254	39.266	1.0116
8	5e+12	NDD Unbiased	38.578	38.827	0.2489
9	1e+13	NDD Unbiased	39.902	38.516	-1.3862
10	1e+13	NDD Unbiased	38.213	38.259	0.0466
11	1e+13	NDD Unbiased	38.83	39.914	1.0841
12	1e+13	NDD Unbiased	39.059	38.939	-0.12
53	0	Correlation	39.701	39.13	-0.5718
54	0	Correlation	39.361	39.934	0.5734

NDD vs Post - Pre Exposure Delta

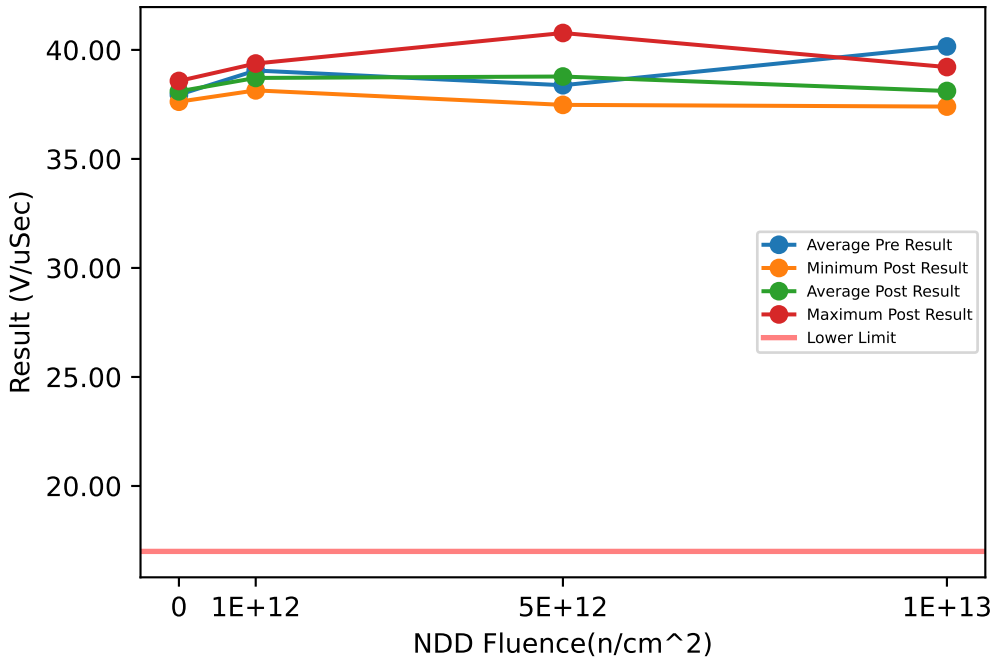


Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	39.361	39.531	39.701	0.2407	39.13	39.532	39.934	0.56908	-0.5718	0.0008	0.5734	0.80978
1e+12	39.04	40.104	40.935	0.78543	39.354	40.057	41.12	0.75322	-0.9739	-0.0469	0.9013	1.0129
5e+12	38.254	39.297	40.386	1.0403	38.19	39.081	40.039	0.77684	-1.7813	-0.21698	1.0116	1.1819
1e+13	38.213	39.001	39.902	0.69924	38.259	38.907	39.914	0.72738	-1.3862	-0.093875	1.0841	1.0129

Device Test: 16.15 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN3/1.6/14/0/0/0/@EN_SLEW_RATE_RISE)

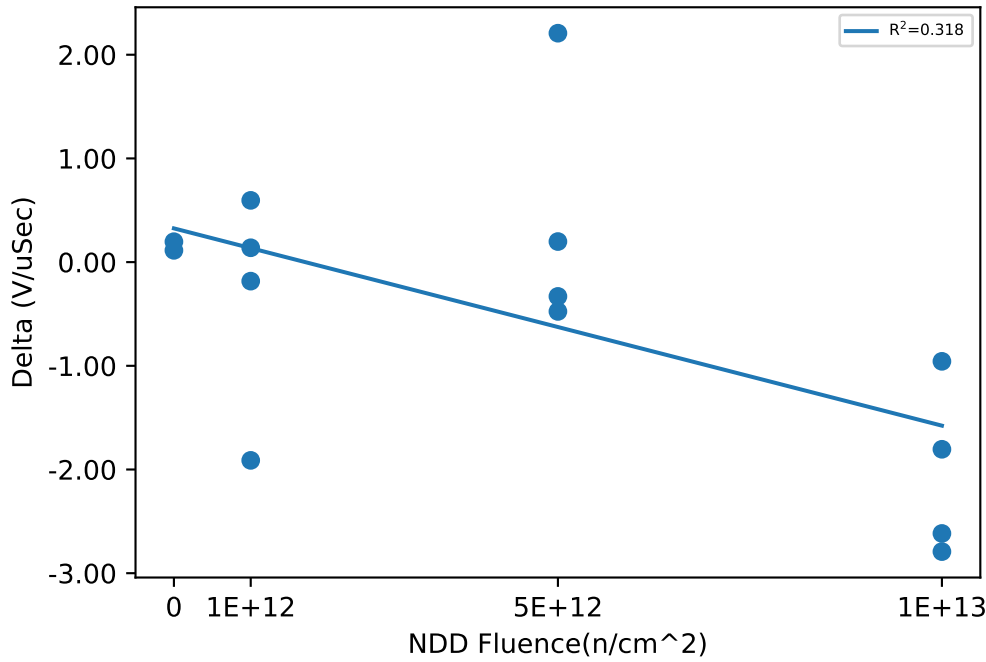
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	39.559	39.376	-0.1835
2	1e+12	NDD Unbiased	38.519	39.114	0.5956
3	1e+12	NDD Unbiased	38.086	38.224	0.1384
4	1e+12	NDD Unbiased	40.056	38.144	-1.9119
5	5e+12	NDD Unbiased	37.954	37.479	-0.4755
6	5e+12	NDD Unbiased	38.776	38.445	-0.3307
7	5e+12	NDD Unbiased	38.568	40.775	2.2077
8	5e+12	NDD Unbiased	38.22	38.418	0.1984
9	1e+13	NDD Unbiased	40.192	37.4	-2.7917
10	1e+13	NDD Unbiased	40.012	38.207	-1.805
11	1e+13	NDD Unbiased	40.26	37.643	-2.6167
12	1e+13	NDD Unbiased	40.17	39.213	-0.9568
53	0	Correlation	38.462	38.575	0.1136
54	0	Correlation	37.427	37.624	0.197

NDD vs Post - Pre Exposure Delta

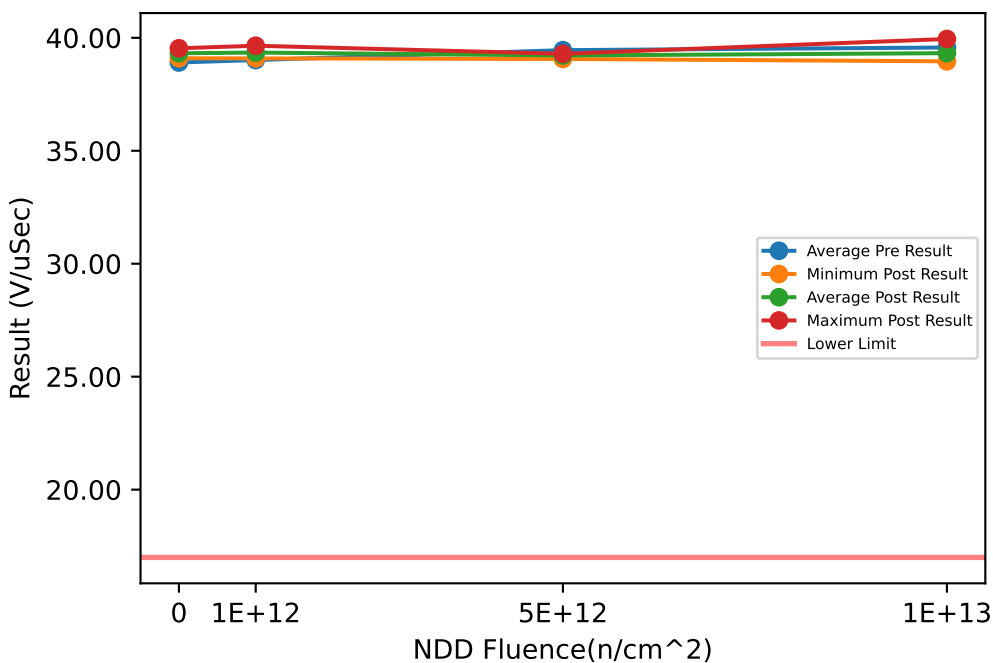


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	37.427	37.944	38.462	0.73164	37.624	38.1	38.575	0.67267	0.1136	0.1553	0.197	0.058973
1e+12	38.086	39.055	40.056	0.90948	38.144	38.715	39.376	0.62262	-1.9119	-0.34035	0.5956	1.0954
5e+12	37.954	38.379	38.776	0.36449	37.479	38.779	40.775	1.4044	-0.4755	0.39997	2.2077	1.2395
1e+13	40.012	40.158	40.26	0.10497	37.4	38.116	39.213	0.80557	-2.7917	-2.0426	-0.9568	0.84185

Device Test: 16.16 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN4/1.6/14/0/0/0/@EN_SLEW_RATE_RISE)

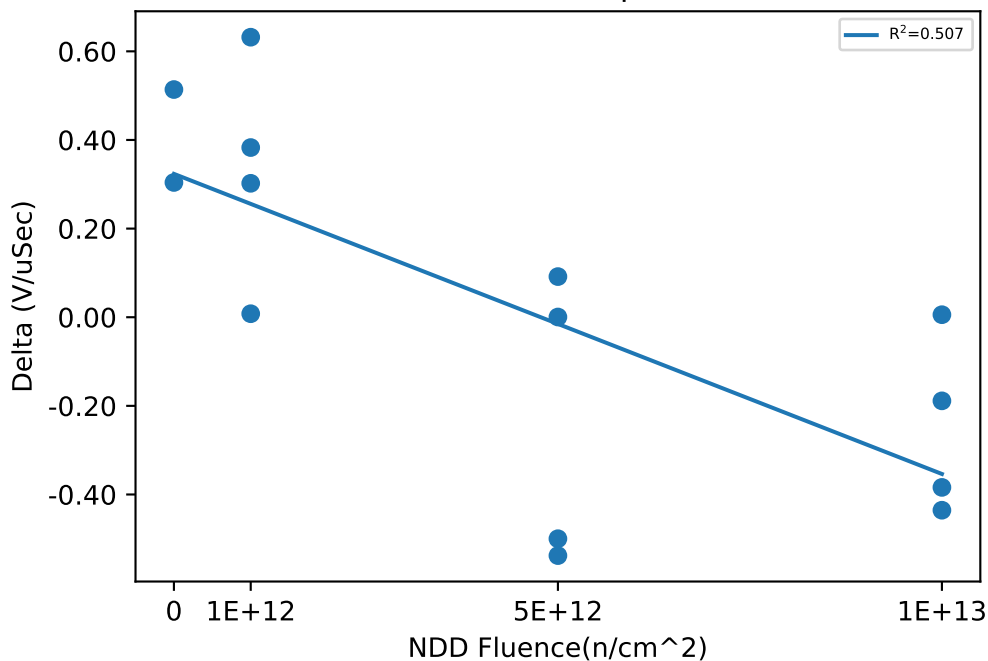
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	39.642	39.65	0.0079
2	1e+12	NDD Unbiased	38.969	39.271	0.3022
3	1e+12	NDD Unbiased	38.706	39.089	0.3829
4	1e+12	NDD Unbiased	38.744	39.376	0.6319
5	5e+12	NDD Unbiased	39.166	39.258	0.0917
6	5e+12	NDD Unbiased	39.791	39.292	-0.4998
7	5e+12	NDD Unbiased	39.795	39.257	-0.5379
8	5e+12	NDD Unbiased	39.063	39.063	0.0005
9	1e+13	NDD Unbiased	39.743	39.359	-0.384
10	1e+13	NDD Unbiased	39.205	39.016	-0.1887
11	1e+13	NDD Unbiased	39.942	39.947	0.0057
12	1e+13	NDD Unbiased	39.394	38.959	-0.4355
53	0	Correlation	39.022	39.536	0.5138
54	0	Correlation	38.793	39.097	0.3041

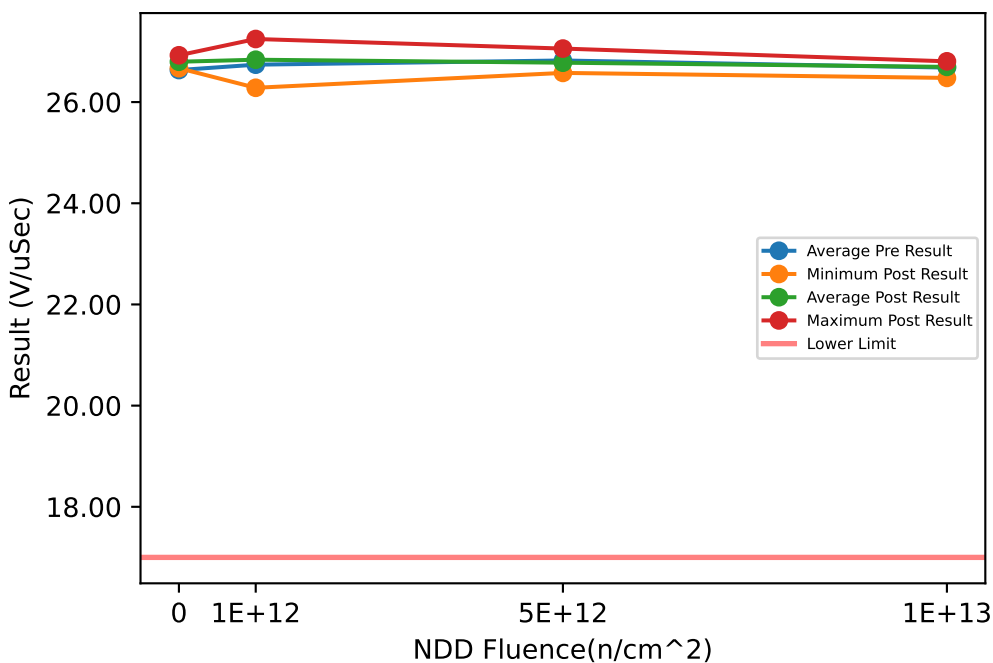
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.793	38.908	39.022	0.16221	39.097	39.317	39.536	0.31049	0.3041	0.40895	0.5138	0.14828
1e+12	38.706	39.015	39.642	0.43353	39.089	39.346	39.65	0.23441	0.0079	0.33122	0.6319	0.2572
5e+12	39.063	39.454	39.795	0.39416	39.063	39.217	39.292	0.10396	-0.5379	-0.23638	0.0917	0.32866
1e+13	39.205	39.571	39.942	0.33283	38.959	39.321	39.947	0.45383	-0.4355	-0.25063	0.0057	0.20125

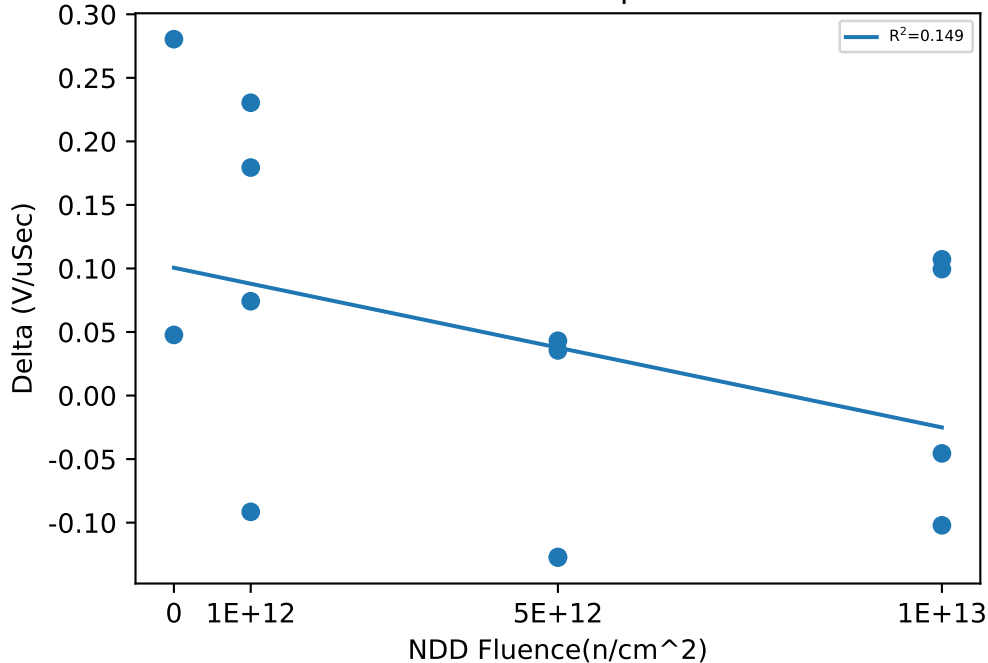
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

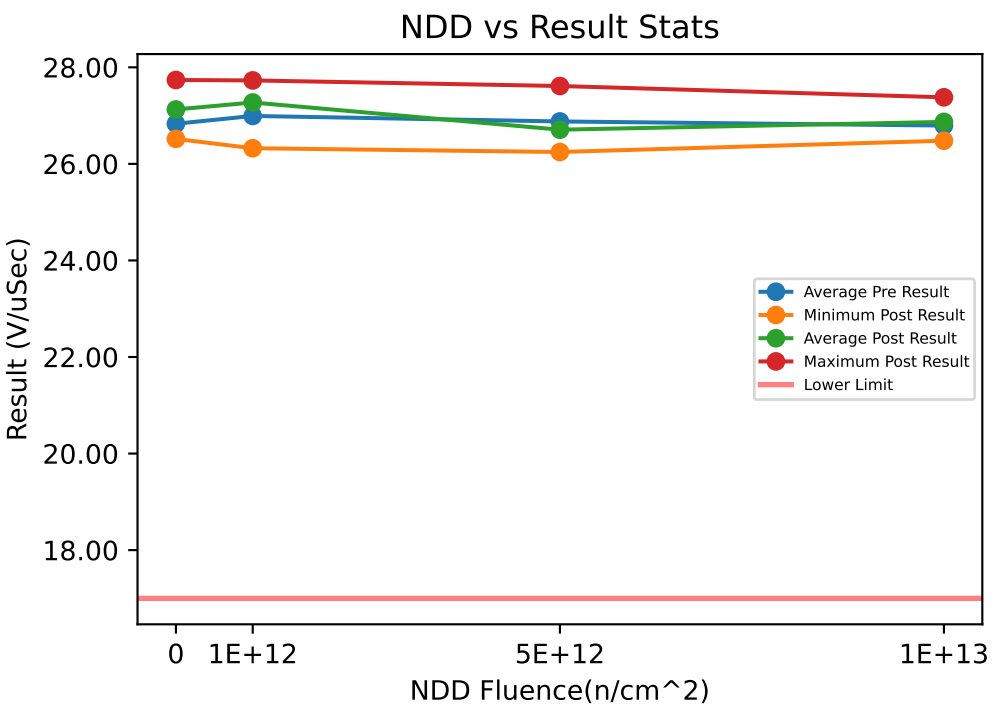
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	27.017	27.247	0.2304
2	1e+12	NDD Unbiased	27.286	27.194	-0.0915
3	1e+12	NDD Unbiased	26.103	26.283	0.1794
4	1e+12	NDD Unbiased	26.552	26.626	0.0742
5	5e+12	NDD Unbiased	26.541	26.577	0.0355
6	5e+12	NDD Unbiased	26.84	26.883	0.0431
7	5e+12	NDD Unbiased	27.185	27.058	-0.1275
8	5e+12	NDD Unbiased	26.723	26.596	-0.127
9	1e+13	NDD Unbiased	26.622	26.722	0.0995
10	1e+13	NDD Unbiased	26.58	26.478	-0.1021
11	1e+13	NDD Unbiased	26.671	26.778	0.1072
12	1e+13	NDD Unbiased	26.851	26.806	-0.0455
53	0	Correlation	26.39	26.67	0.2804
54	0	Correlation	26.877	26.925	0.0477

NDD vs Post - Pre Exposure Delta



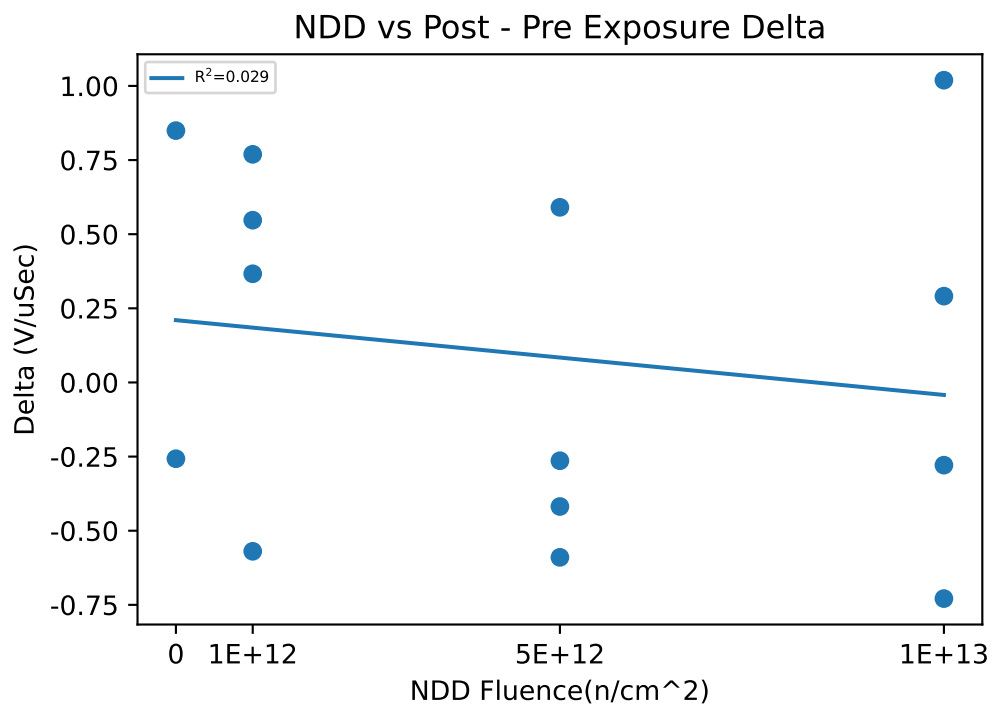
Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	26.39	26.633	26.877	0.34493	26.67	26.797	26.925	0.18038	0.0477	0.16405	0.2804	0.16454
1e+12	26.103	26.739	27.286	0.52125	26.283	26.837	27.247	0.46456	-0.0915	0.098125	0.2304	0.14216
5e+12	26.541	26.822	27.185	0.27139	26.577	26.778	27.058	0.23305	-0.1275	-0.043975	0.0431	0.096208
1e+13	26.58	26.681	26.851	0.11936	26.478	26.696	26.806	0.14959	-0.1021	0.014775	0.1072	0.1049



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	26.881	27.651	0.7693
2	1e+12	NDD Unbiased	27.181	27.728	0.5472
3	1e+12	NDD Unbiased	26.893	26.324	-0.5694
4	1e+12	NDD Unbiased	27.016	27.382	0.3665
5	5e+12	NDD Unbiased	26.651	26.387	-0.264
6	5e+12	NDD Unbiased	26.665	26.246	-0.4183
7	5e+12	NDD Unbiased	27.022	27.613	0.5906
8	5e+12	NDD Unbiased	27.177	26.587	-0.5898
9	1e+13	NDD Unbiased	26.463	26.754	0.2911
10	1e+13	NDD Unbiased	26.759	26.48	-0.2789
11	1e+13	NDD Unbiased	27.594	26.865	-0.7289
12	1e+13	NDD Unbiased	26.36	27.379	1.0193
53	0	Correlation	26.774	26.517	-0.2572
54	0	Correlation	26.888	27.737	0.8493

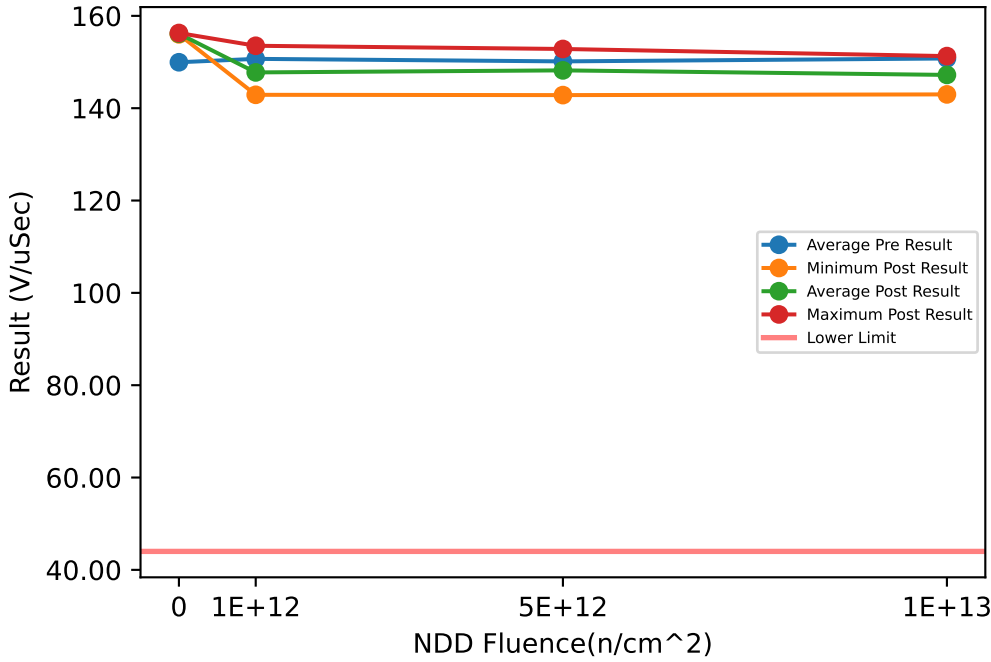


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	26.774	26.831	26.888	0.08061	26.517	27.127	27.737	0.86302	-0.2572	0.29605	0.8493	0.78241
1e+12	26.881	26.993	27.181	0.1394	26.324	27.271	27.728	0.6487	-0.5694	0.2784	0.7693	0.58872
5e+12	26.651	26.879	27.177	0.26278	26.246	26.708	27.613	0.61909	-0.5898	-0.17037	0.5906	0.52448
1e+13	26.36	26.794	27.594	0.55937	26.48	26.869	27.379	0.37629	-0.7289	0.07565	1.0193	0.75496

Device Test: 16.19 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN1/1.6/14/0/0/0/@EN_SLEW_RATE_FALL)

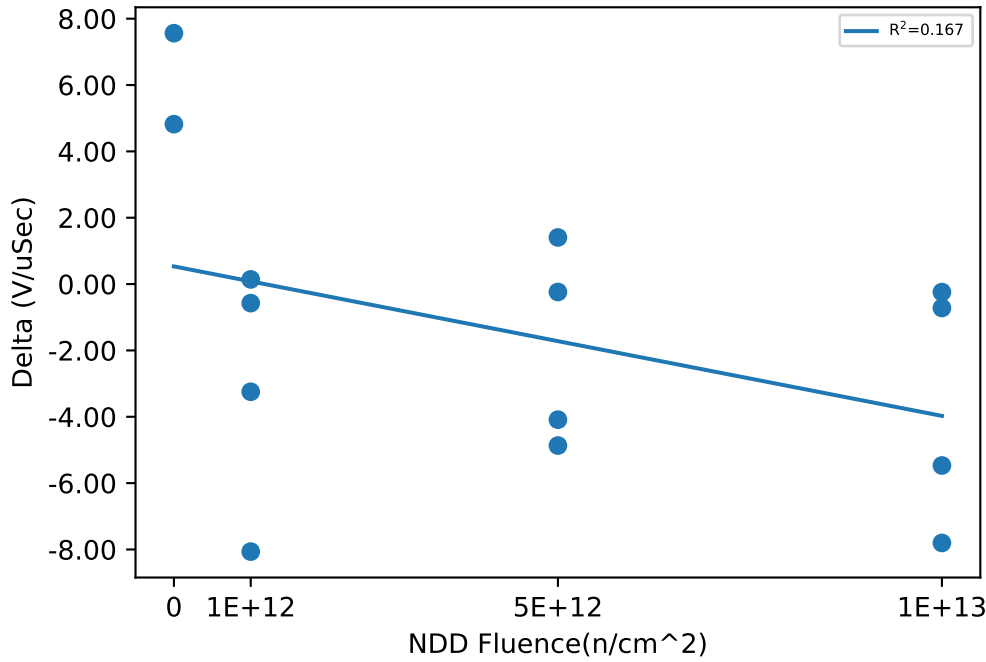
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	153.38	153.52	0.1415
2	1e+12	NDD Unbiased	153.29	150.05	-3.2455
3	1e+12	NDD Unbiased	152.6	144.53	-8.0639
4	1e+12	NDD Unbiased	143.47	142.9	-0.5739
5	5e+12	NDD Unbiased	147.7	142.84	-4.867
6	5e+12	NDD Unbiased	149.83	145.75	-4.0872
7	5e+12	NDD Unbiased	151.6	151.36	-0.2381
8	5e+12	NDD Unbiased	151.42	152.83	1.4053
9	1e+13	NDD Unbiased	153.03	147.56	-5.4684
10	1e+13	NDD Unbiased	151.53	151.28	-0.2422
11	1e+13	NDD Unbiased	150.79	142.99	-7.8029
12	1e+13	NDD Unbiased	147.73	147.01	-0.7203
53	0	Correlation	148.43	156	7.5623
54	0	Correlation	151.47	156.29	4.8205

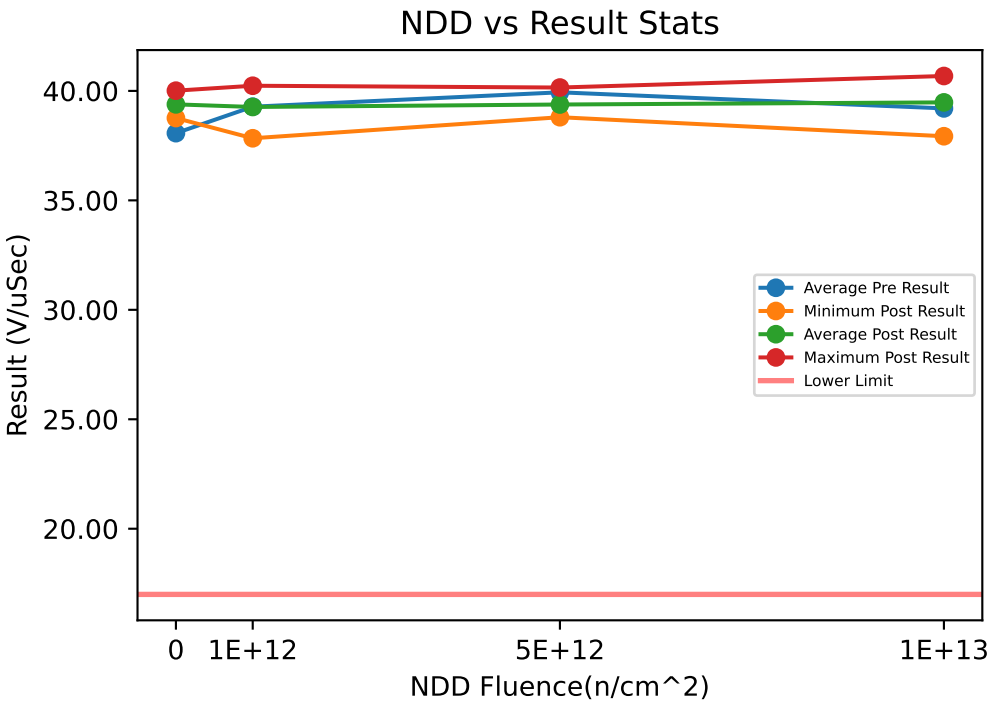
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

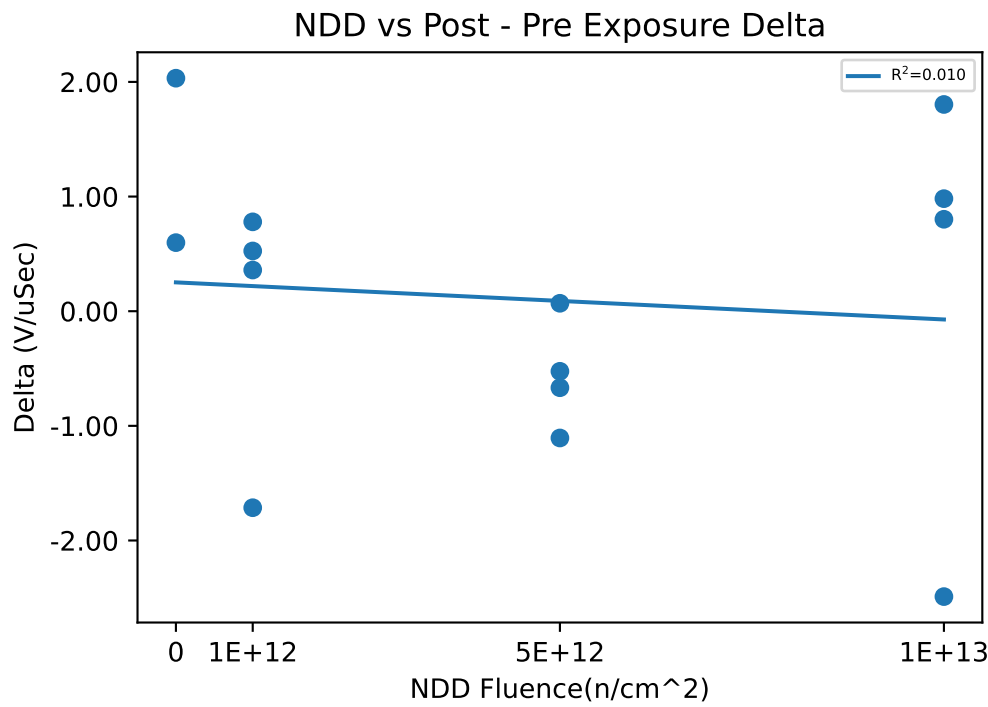
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	148.43	149.95	151.47	2.1453	156	156.14	156.29	0.20655	4.8205	6.1914	7.5623	1.9387
1e+12	143.47	150.69	153.38	4.8205	142.9	147.75	153.52	4.9142	-8.0639	-2.9354	0.1415	3.7167
5e+12	147.7	150.14	151.6	1.8076	142.84	148.19	152.83	4.6972	-4.867	-1.9467	1.4053	3.0147
1e+13	147.73	150.77	153.03	2.2301	142.99	147.21	151.28	3.3951	-7.8029	-3.5584	-0.2422	3.684

Device Test: 16.2 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN2/1.6/3/0/0/0/@EN_SLEW_RATE_RISE)



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	38.672	39.452	0.7794
2	1e+12	NDD Unbiased	39.877	40.236	0.3592
3	1e+12	NDD Unbiased	39.551	37.837	-1.7141
4	1e+12	NDD Unbiased	39.016	39.541	0.5254
5	5e+12	NDD Unbiased	40.653	39.547	-1.1058
6	5e+12	NDD Unbiased	40.822	40.154	-0.6674
7	5e+12	NDD Unbiased	38.729	38.798	0.0691
8	5e+12	NDD Unbiased	39.54	39.016	-0.5242
9	1e+13	NDD Unbiased	38.647	39.629	0.9817
10	1e+13	NDD Unbiased	40.419	37.93	-2.4894
11	1e+13	NDD Unbiased	38.862	39.664	0.8019
12	1e+13	NDD Unbiased	38.878	40.681	1.8033
53	0	Correlation	37.978	40.011	2.0324
54	0	Correlation	38.162	38.76	0.5981

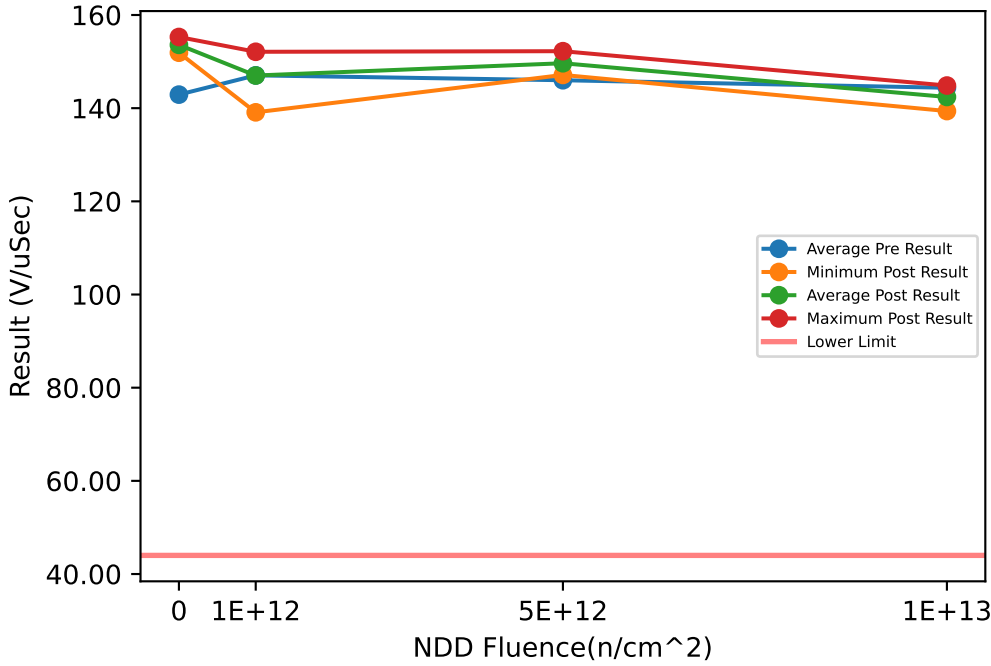


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	37.978	38.07	38.162	0.12997	38.76	39.386	40.011	0.88424	0.5981	1.3153	2.0324	1.0142
1e+12	38.672	39.279	39.877	0.53815	37.837	39.266	40.236	1.0155	-1.7141	-0.012525	0.7794	1.1475
5e+12	38.729	39.936	40.822	0.98502	38.798	39.379	40.154	0.60501	-1.1058	-0.55708	0.0691	0.48527
1e+13	38.647	39.202	40.419	0.81842	37.93	39.476	40.681	1.1406	-2.4894	0.27438	1.8033	1.8934

Device Test: 16.20 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN2/1.6/14/0/0/0/@EN_SLEW_RATE_FALL)

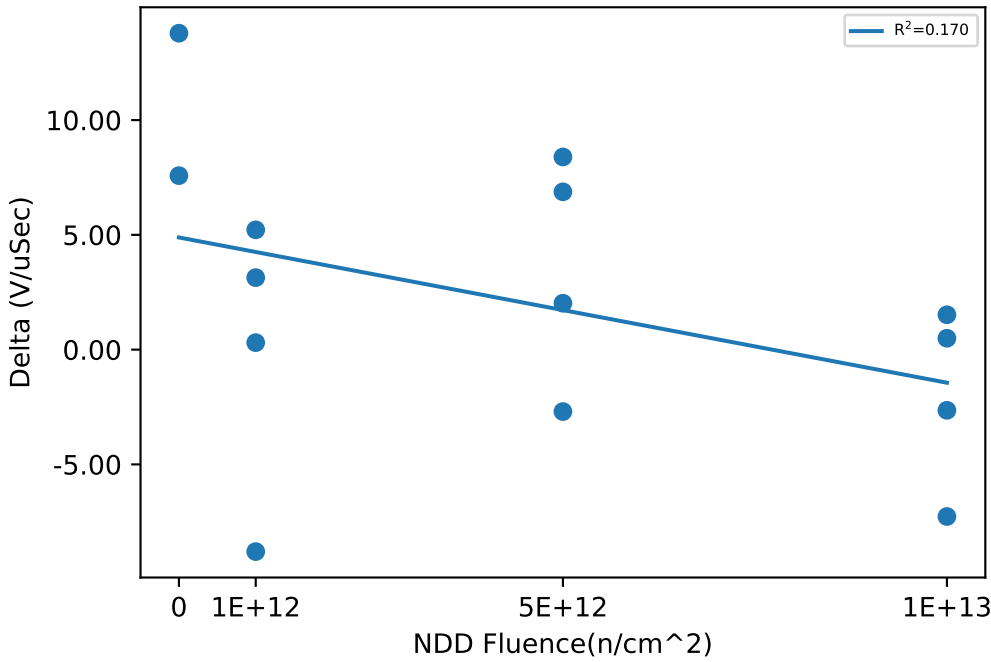
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	145.55	150.77	5.2187
2	1e+12	NDD Unbiased	148.97	152.1	3.1359
3	1e+12	NDD Unbiased	147.91	139.11	-8.7989
4	1e+12	NDD Unbiased	145.75	146.05	0.3039
5	5e+12	NDD Unbiased	142.82	151.21	8.3932
6	5e+12	NDD Unbiased	150.21	152.23	2.0216
7	5e+12	NDD Unbiased	141.13	148	6.8741
8	5e+12	NDD Unbiased	149.83	147.13	-2.6979
9	1e+13	NDD Unbiased	141.33	141.83	0.4957
10	1e+13	NDD Unbiased	146.19	143.55	-2.6448
11	1e+13	NDD Unbiased	143.34	144.86	1.5185
12	1e+13	NDD Unbiased	146.65	139.38	-7.2701
53	0	Correlation	147.7	155.28	7.5793
54	0	Correlation	138.12	151.9	13.785

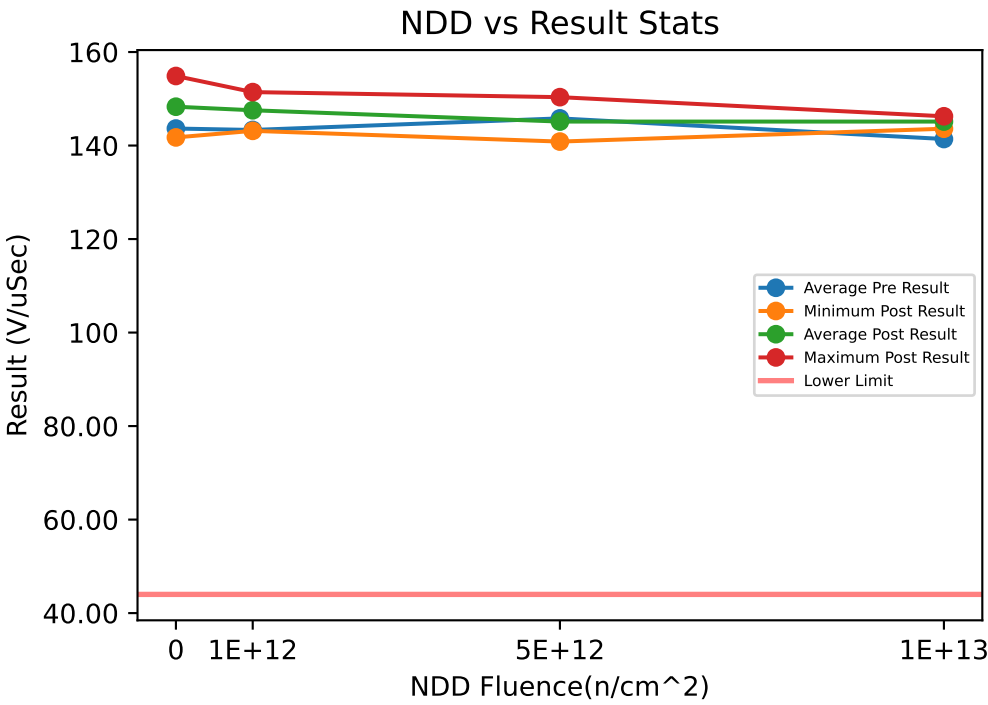
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

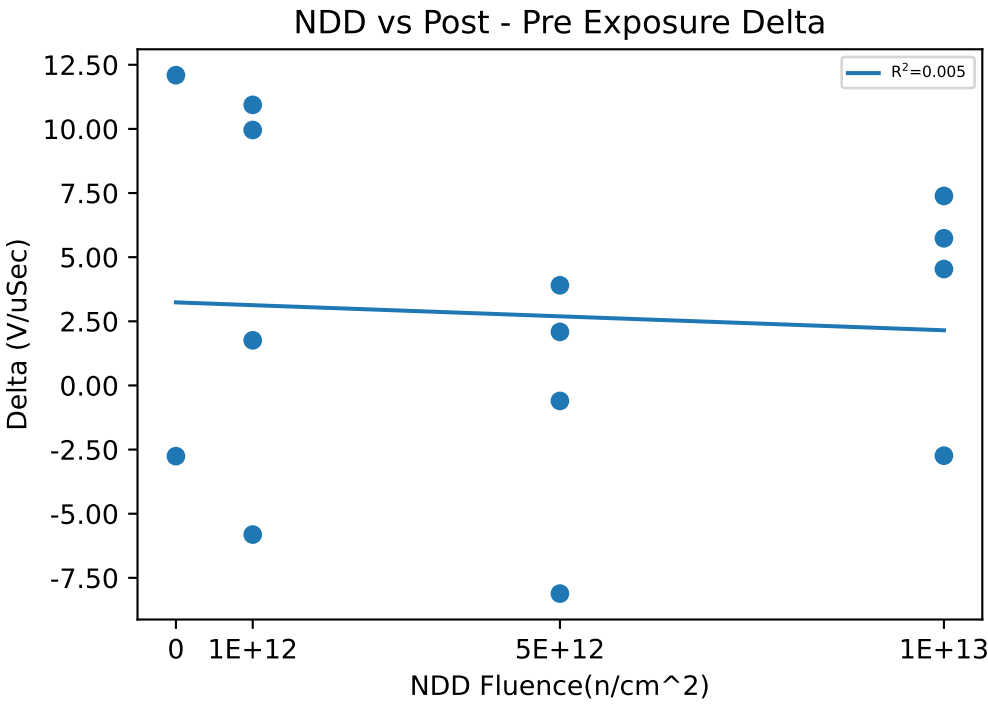
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	138.12	142.91	147.7	6.773	151.9	153.59	155.28	2.385	7.5793	10.682	13.785	4.388
1e+12	145.55	147.04	148.97	1.6686	139.11	147.01	152.1	5.8722	-8.7989	-0.0351	5.2187	6.18
5e+12	141.13	146	150.21	4.6985	147.13	149.64	152.23	2.4581	-2.6979	3.6478	8.3932	5.0279
1e+13	141.33	144.38	146.65	2.5023	139.38	142.4	144.86	2.3661	-7.2701	-1.9752	1.5185	3.9495

Device Test: 16.21 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN3/1.6/14/0/0/0/@EN_SLEW_RATE_FALL)



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	146.46	148.22	1.7592
2	1e+12	NDD Unbiased	148.96	143.14	-5.8126
3	1e+12	NDD Unbiased	141.47	151.43	9.9575
4	1e+12	NDD Unbiased	136.44	147.38	10.937
5	5e+12	NDD Unbiased	146.45	150.35	3.9037
6	5e+12	NDD Unbiased	151.26	143.15	-8.1137
7	5e+12	NDD Unbiased	141.45	140.85	-0.6034
8	5e+12	NDD Unbiased	144.08	146.17	2.0883
9	1e+13	NDD Unbiased	141.51	146.05	4.5372
10	1e+13	NDD Unbiased	138.87	146.26	7.3866
11	1e+13	NDD Unbiased	147.35	144.61	-2.7383
12	1e+13	NDD Unbiased	137.86	143.6	5.7362
53	0	Correlation	142.78	154.87	12.094
54	0	Correlation	144.49	141.74	-2.7563

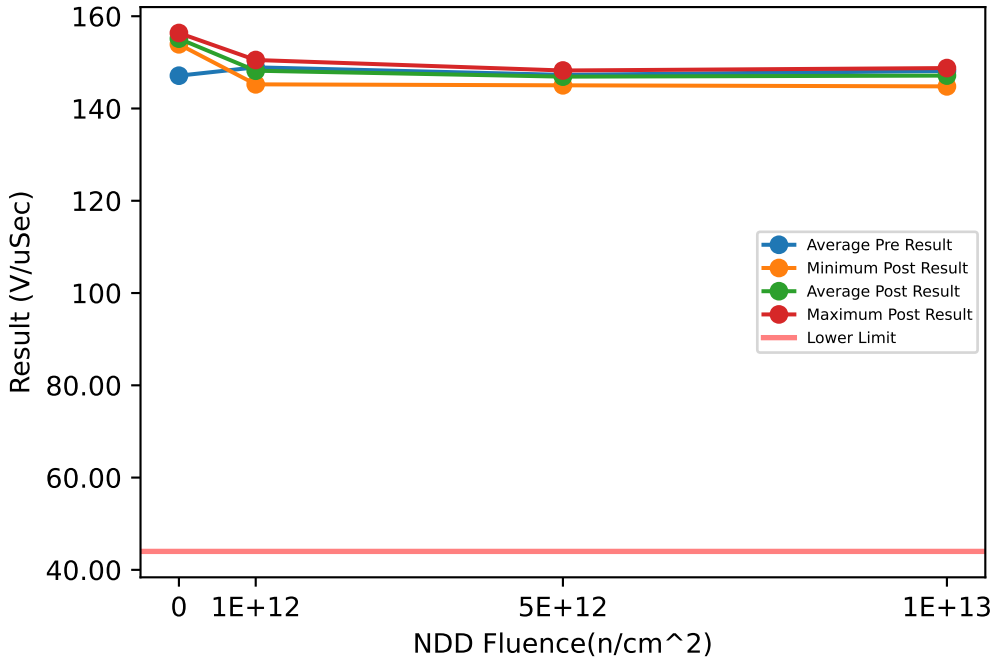


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	142.78	143.64	144.49	1.2118	141.74	148.31	154.87	9.2886	-2.7563	4.6686	12.094	10.5
1e+12	136.44	143.33	148.96	5.5497	143.14	147.54	151.43	3.4129	-5.8126	4.2103	10.937	7.8475
5e+12	141.45	145.81	151.26	4.167	140.85	145.13	150.35	4.1061	-8.1137	-0.68127	3.9037	5.2896
1e+13	137.86	141.4	147.35	4.2536	143.6	145.13	146.26	1.2563	-2.7383	3.7304	7.3866	4.4679

Device Test: 16.22 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN4/1.6/14/0/0/0/@EN_SLEW_RATE_FALL)

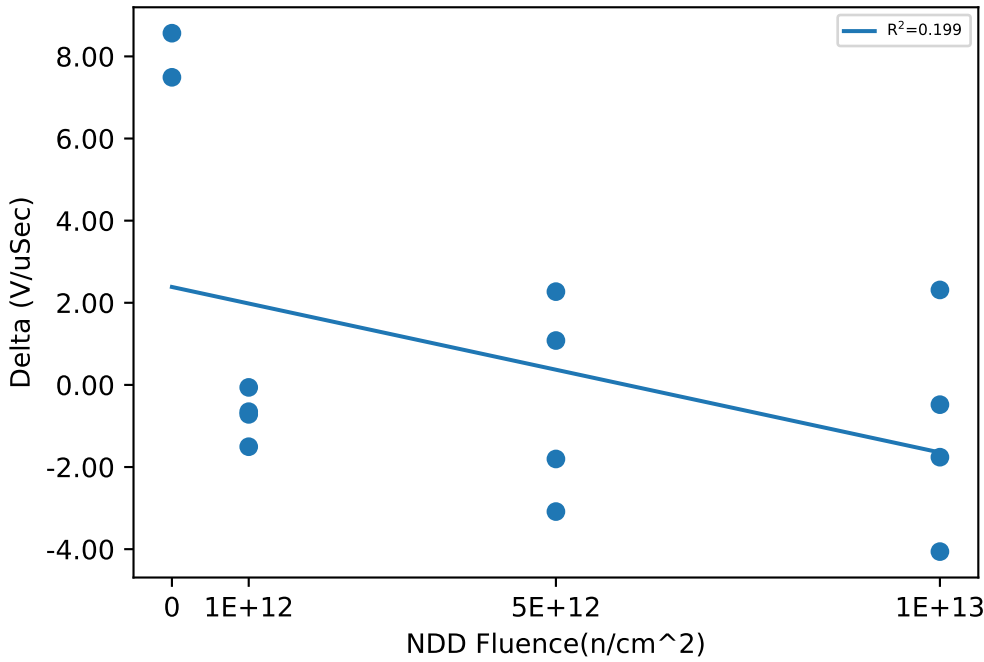
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	151.23	150.51	-0.7177
2	1e+12	NDD Unbiased	151.35	149.84	-1.505
3	1e+12	NDD Unbiased	145.3	145.23	-0.0607
4	1e+12	NDD Unbiased	147.82	147.17	-0.6517
5	5e+12	NDD Unbiased	146.25	147.33	1.0807
6	5e+12	NDD Unbiased	148.82	147.02	-1.8035
7	5e+12	NDD Unbiased	148.11	145.02	-3.0845
8	5e+12	NDD Unbiased	145.97	148.24	2.2714
9	1e+13	NDD Unbiased	149.24	148.76	-0.481
10	1e+13	NDD Unbiased	148.7	146.94	-1.7601
11	1e+13	NDD Unbiased	145.72	148.04	2.3129
12	1e+13	NDD Unbiased	148.85	144.79	-4.0593
53	0	Correlation	147.8	156.36	8.565
54	0	Correlation	146.42	153.91	7.4907

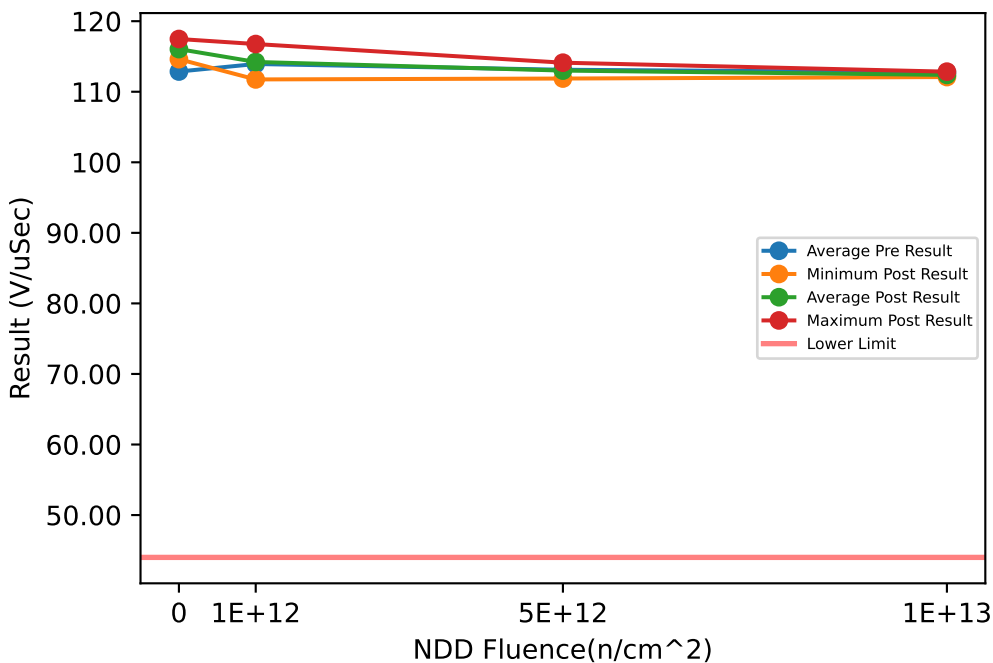
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	146.42	147.11	147.8	0.97461	153.91	155.14	156.36	1.7343	7.4907	8.0279	8.565	0.75964
1e+12	145.3	148.92	151.35	2.919	145.23	148.19	150.51	2.4419	-1.505	-0.73378	-0.0607	0.59296
5e+12	145.97	147.29	148.82	1.3968	145.02	146.9	148.24	1.3553	-3.0845	-0.38397	2.2714	2.4836
1e+13	145.72	148.13	149.24	1.6203	144.79	147.13	148.76	1.7307	-4.0593	-0.99688	2.3129	2.6572

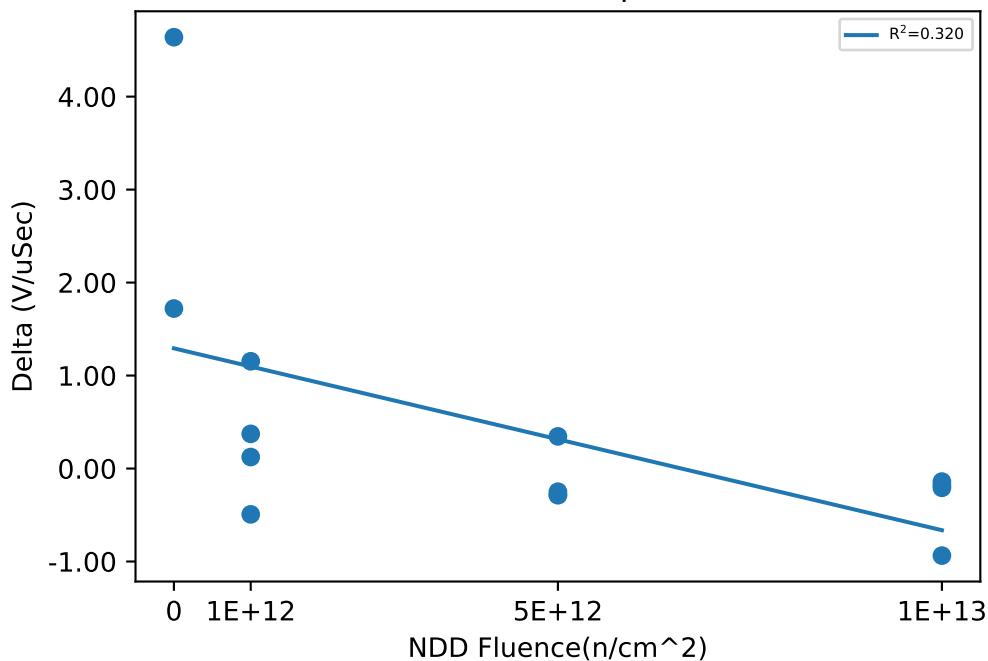
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	116.64	116.76	0.1236
2	1e+12	NDD Unbiased	116.64	116.14	-0.4929
3	1e+12	NDD Unbiased	110.59	111.75	1.1535
4	1e+12	NDD Unbiased	111.87	112.24	0.3728
5	5e+12	NDD Unbiased	112.4	112.74	0.3458
6	5e+12	NDD Unbiased	114.4	114.12	-0.2869
7	5e+12	NDD Unbiased	112.12	111.87	-0.2493
8	5e+12	NDD Unbiased	113.54	113.26	-0.2822
9	1e+13	NDD Unbiased	113.31	112.38	-0.9364
10	1e+13	NDD Unbiased	112.99	112.85	-0.1401
11	1e+13	NDD Unbiased	112.42	112.24	-0.1808
12	1e+13	NDD Unbiased	112.29	112.08	-0.2076
53	0	Correlation	112.84	117.48	4.6391
54	0	Correlation	112.89	114.61	1.7208

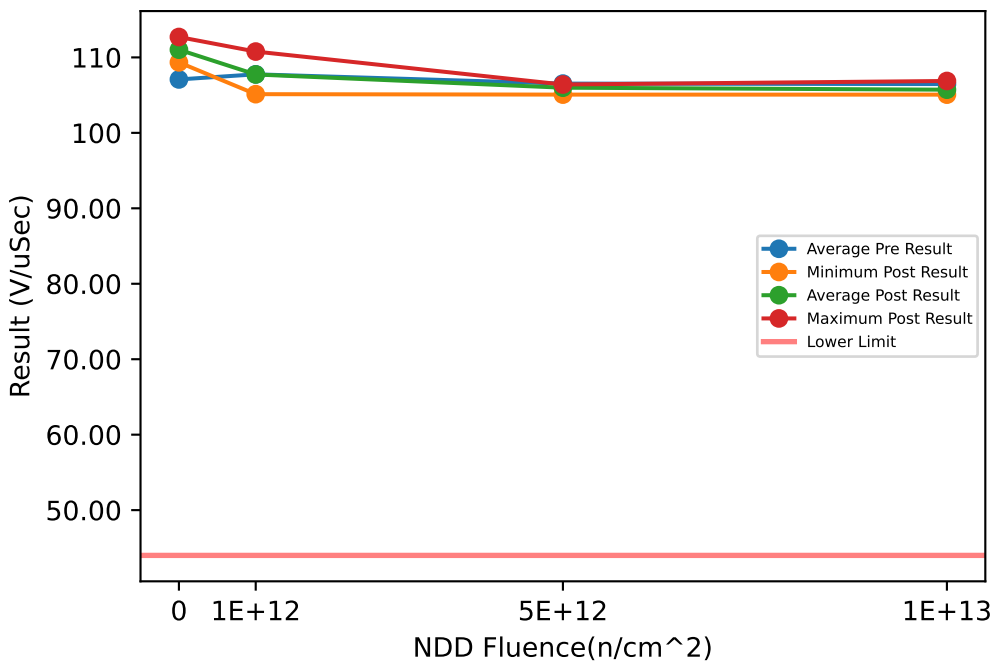
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	112.84	112.87	112.89	0.040588	114.61	116.05	117.48	2.023	1.7208	3.1799	4.6391	2.0635
1e+12	110.59	113.93	116.64	3.165	111.75	114.22	116.76	2.595	-0.4929	0.28925	1.1535	0.68145
5e+12	112.12	113.12	114.4	1.0564	111.87	113	114.12	0.94091	-0.2869	-0.11815	0.3458	0.30975
1e+13	112.29	112.75	113.31	0.47987	112.08	112.39	112.85	0.32945	-0.9364	-0.36622	-0.1401	0.38113

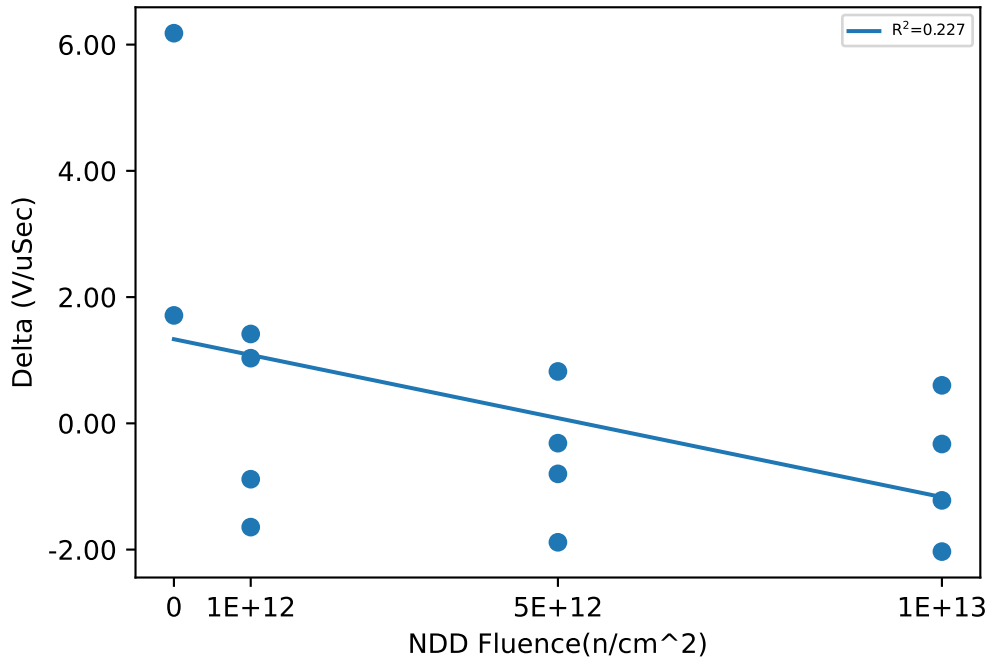
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	110.15	108.51	-1.644
2	1e+12	NDD Unbiased	109.36	110.77	1.4158
3	1e+12	NDD Unbiased	105.51	106.54	1.0322
4	1e+12	NDD Unbiased	106.01	105.13	-0.8852
5	5e+12	NDD Unbiased	106.46	106.14	-0.314
6	5e+12	NDD Unbiased	108.2	106.32	-1.8843
7	5e+12	NDD Unbiased	105.87	105.07	-0.8006
8	5e+12	NDD Unbiased	105.59	106.41	0.8223
9	1e+13	NDD Unbiased	107.15	105.12	-2.0318
10	1e+13	NDD Unbiased	106.15	105.83	-0.3274
11	1e+13	NDD Unbiased	106.27	106.88	0.6022
12	1e+13	NDD Unbiased	106.29	105.07	-1.2204
53	0	Correlation	107.64	109.35	1.7101
54	0	Correlation	106.52	112.7	6.1808

NDD vs Post - Pre Exposure Delta

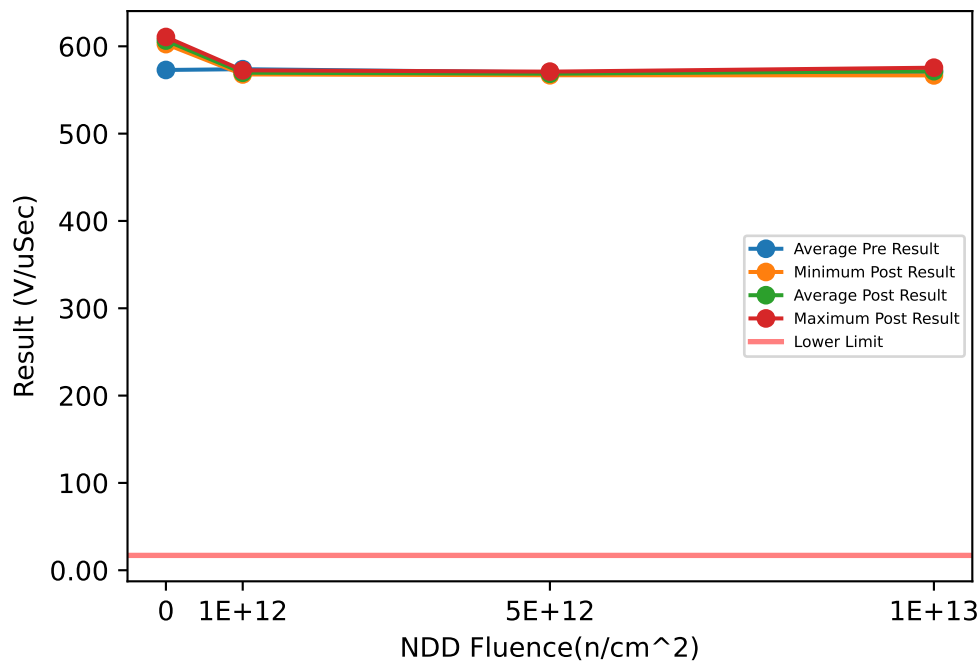


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	106.52	107.08	107.64	0.7856	109.35	111.03	112.7	2.3757	1.7101	3.9455	6.1808	3.1613
1e+12	105.51	107.76	110.15	2.3394	105.13	107.74	110.77	2.4541	-1.644	-0.0203	1.4158	1.4781
5e+12	105.59	106.53	108.2	1.1714	105.07	105.98	106.41	0.61964	-1.8843	-0.54415	0.8223	1.1228
1e+13	106.15	106.47	107.15	0.45977	105.07	105.72	106.88	0.8441	-2.0318	-0.74435	0.6022	1.136

Device Test: 16.25 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN1/7/3/0/0/0/@EN_SLEW_RATE_RISE)

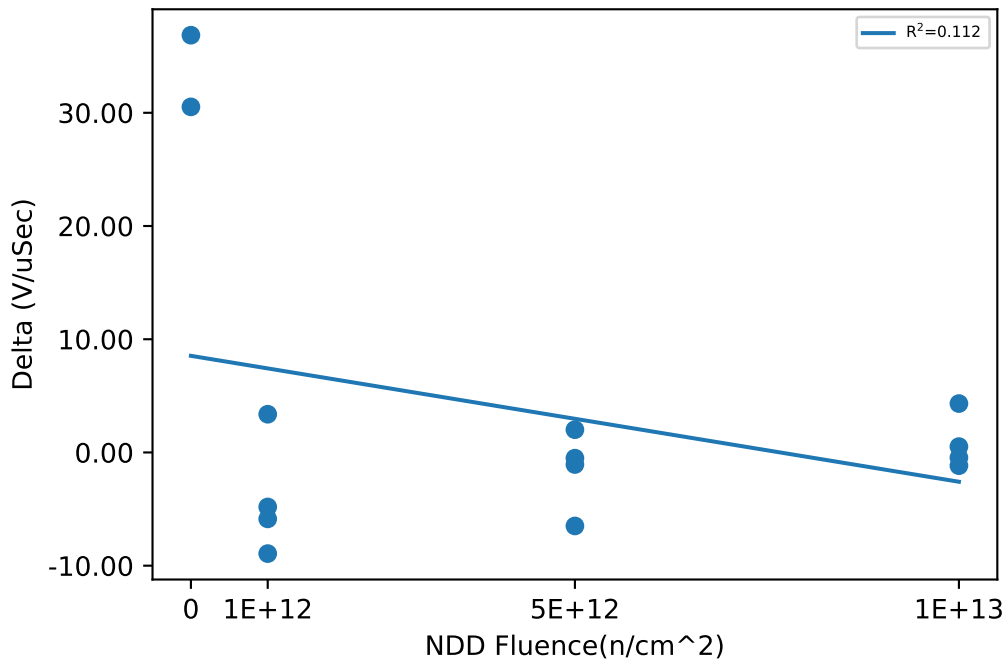
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	572.59	567.78	-4.8134
2	1e+12	NDD Unbiased	578.09	569.15	-8.9333
3	1e+12	NDD Unbiased	575.43	569.56	-5.8673
4	1e+12	NDD Unbiased	569.13	572.5	3.376
5	5e+12	NDD Unbiased	567.33	566.82	-0.5043
6	5e+12	NDD Unbiased	574.59	568.1	-6.4919
7	5e+12	NDD Unbiased	572.08	571.01	-1.0645
8	5e+12	NDD Unbiased	566.48	568.49	2.0106
9	1e+13	NDD Unbiased	567.14	566.68	-0.4563
10	1e+13	NDD Unbiased	565.95	570.27	4.3182
11	1e+13	NDD Unbiased	573.09	573.61	0.517
12	1e+13	NDD Unbiased	576.67	575.51	-1.167
53	0	Correlation	571.99	602.51	30.523
54	0	Correlation	573.81	610.66	36.853

NDD vs Post - Pre Exposure Delta

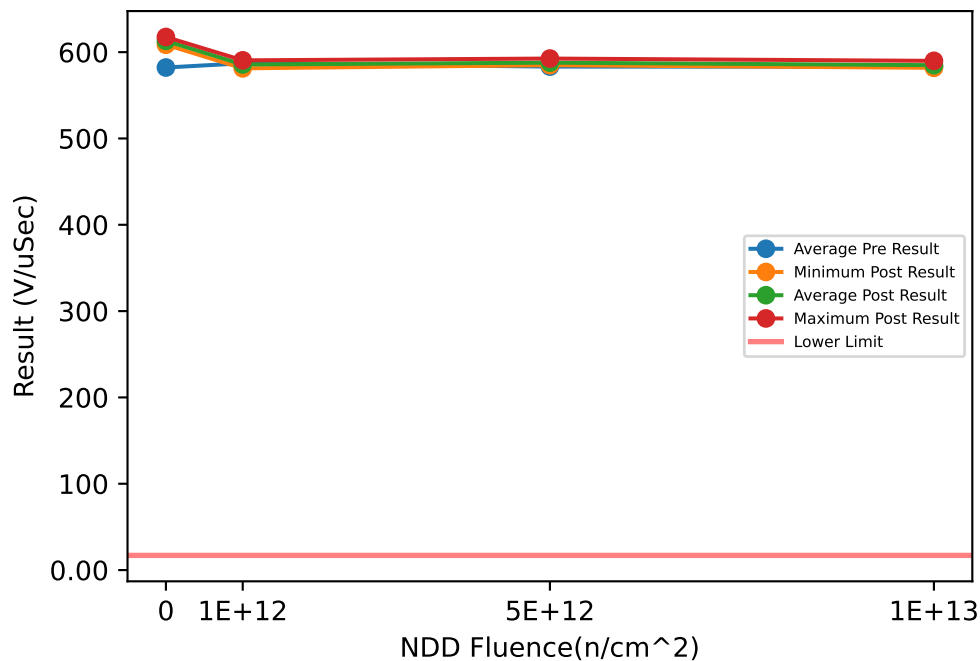


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	571.99	572.9	573.81	1.2872	602.51	606.59	610.66	5.7633	30.523	33.688	36.853	4.4761
1e+12	569.13	573.81	578.09	3.8443	567.78	569.75	572.5	1.9868	-8.9333	-4.0595	3.376	5.256
5e+12	566.48	570.12	574.59	3.8652	566.82	568.61	571.01	1.7553	-6.4919	-1.5125	2.0106	3.5788
1e+13	565.95	570.71	576.67	5.0536	566.68	571.52	575.51	3.883	-1.167	0.80297	4.3182	2.443

Device Test: 16.26 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN2/7/3/0/0/0/@EN_SLEW_RATE_RISE)

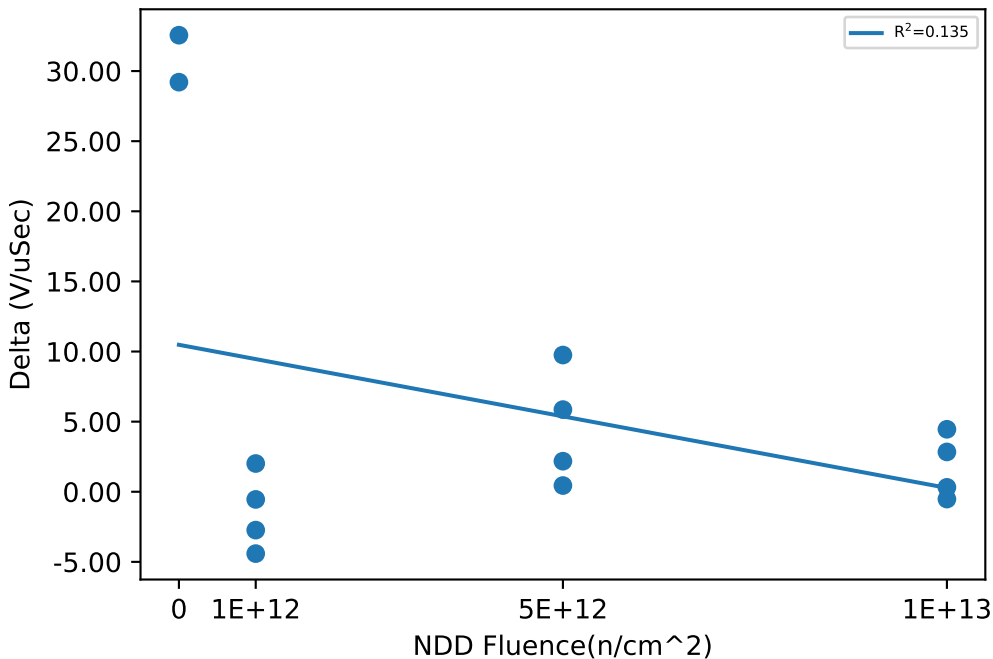
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	591.08	590.53	-0.5469
2	1e+12	NDD Unbiased	584.43	586.44	2.014
3	1e+12	NDD Unbiased	587.27	584.53	-2.7357
4	1e+12	NDD Unbiased	585.65	581.24	-4.4101
5	5e+12	NDD Unbiased	582.58	588.44	5.8589
6	5e+12	NDD Unbiased	582.84	592.59	9.7499
7	5e+12	NDD Unbiased	583.14	585.32	2.1792
8	5e+12	NDD Unbiased	584.48	584.93	0.4437
9	1e+13	NDD Unbiased	582.36	581.84	-0.5211
10	1e+13	NDD Unbiased	578.66	583.12	4.4552
11	1e+13	NDD Unbiased	587.09	589.93	2.8399
12	1e+13	NDD Unbiased	584.51	584.82	0.3146
53	0	Correlation	579.4	608.61	29.208
54	0	Correlation	585	617.55	32.558

NDD vs Post - Pre Exposure Delta

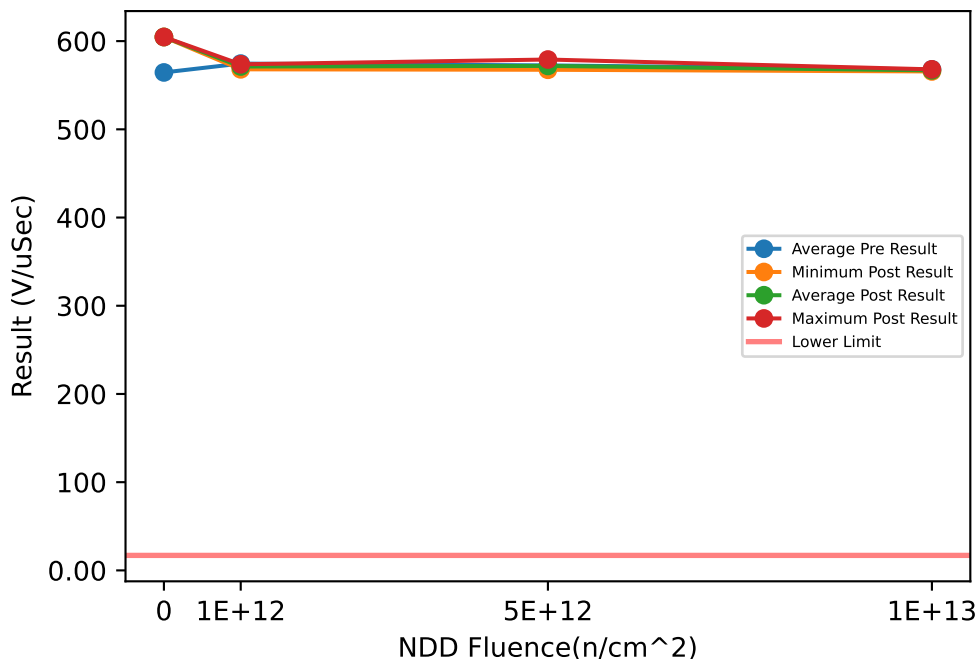


Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	579.4	582.2	585	3.9572	608.61	613.08	617.55	6.3257	29.208	30.883	32.558	2.3685
1e+12	584.43	587.11	591.08	2.8909	581.24	585.69	590.53	3.8783	-4.4101	-1.4197	2.014	2.7825
5e+12	582.58	583.26	584.48	0.84733	584.93	587.82	592.59	3.5475	0.4437	4.5579	9.7499	4.1326
1e+13	578.66	583.15	587.09	3.5649	581.84	584.93	589.93	3.5513	-0.5211	1.7722	4.4552	2.2893

Device Test: 16.27 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN3/7/3/0/0/0/@EN_SLEW_RATE_RISE)

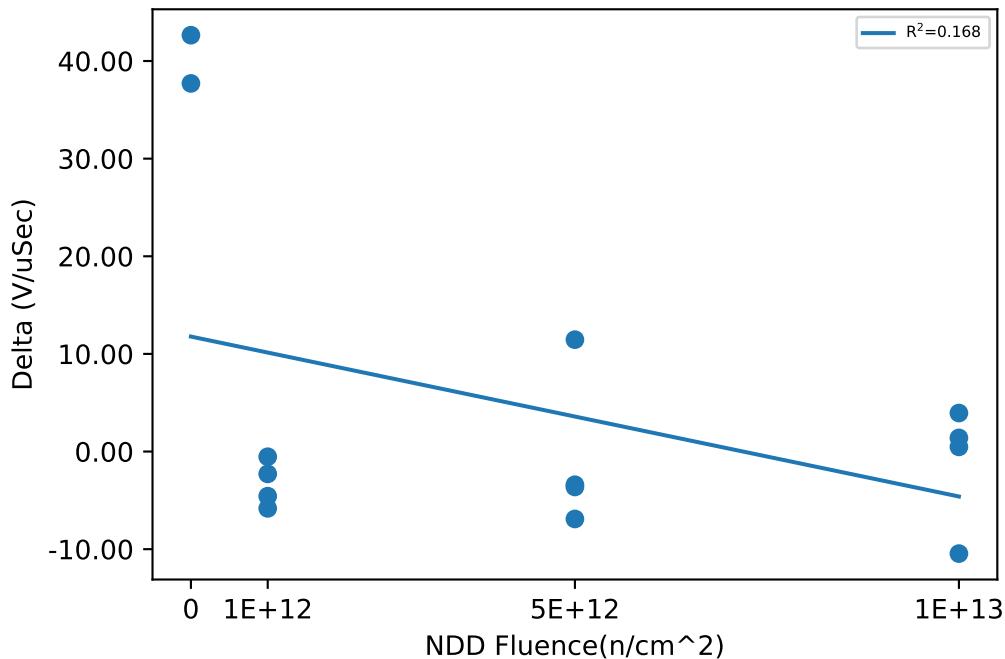
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	571.88	571.35	-0.5329
2	1e+12	NDD Unbiased	577.62	571.8	-5.8214
3	1e+12	NDD Unbiased	572.59	568.02	-4.5718
4	1e+12	NDD Unbiased	575.99	573.7	-2.2892
5	5e+12	NDD Unbiased	576.41	569.5	-6.9069
6	5e+12	NDD Unbiased	570.89	567.49	-3.3997
7	5e+12	NDD Unbiased	567.67	579.13	11.459
8	5e+12	NDD Unbiased	574.91	571.28	-3.6293
9	1e+13	NDD Unbiased	564.21	565.61	1.3962
10	1e+13	NDD Unbiased	563.09	567.03	3.944
11	1e+13	NDD Unbiased	567.53	568.01	0.4771
12	1e+13	NDD Unbiased	577.11	566.65	-10.454
53	0	Correlation	562.02	604.66	42.645
54	0	Correlation	566.96	604.66	37.705

NDD vs Post - Pre Exposure Delta

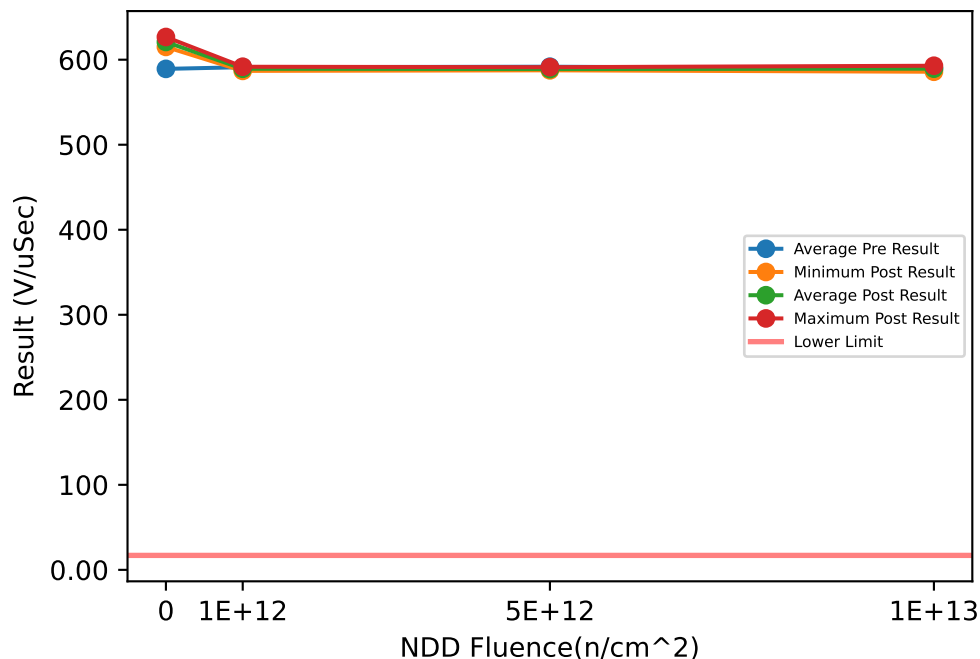


Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	562.02	564.49	566.96	3.494	604.66	604.66	604.66	0.0013435	37.705	40.175	42.645	3.4926
1e+12	571.88	574.52	577.62	2.7361	568.02	571.22	573.7	2.3636	-5.8214	-3.3038	-0.5329	2.3561
5e+12	567.67	572.47	576.41	3.9561	567.49	571.85	579.13	5.0935	-6.9069	-0.61927	11.459	8.2099
1e+13	563.09	567.98	577.11	6.3662	565.61	566.83	568.01	0.99132	-10.454	-1.1591	3.944	6.3676

Device Test: 16.28 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN4/7/3/0/0/0/@EN_SLEW_RATE_RISE)

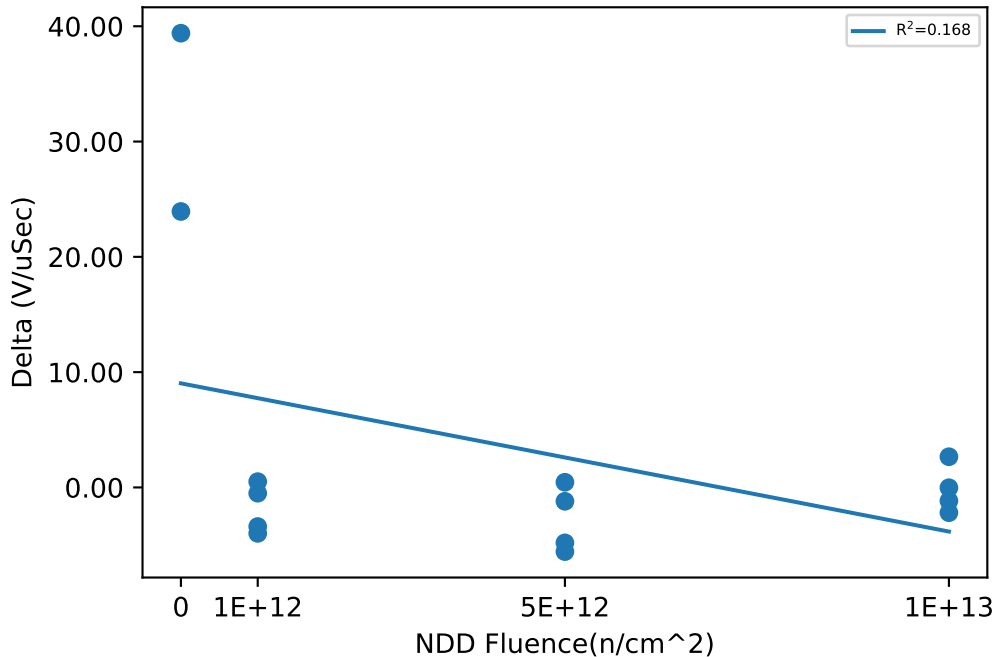
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	592.23	591.73	-0.4996
2	1e+12	NDD Unbiased	589.91	590.41	0.5018
3	1e+12	NDD Unbiased	592.38	588.4	-3.9833
4	1e+12	NDD Unbiased	590.23	586.84	-3.391
5	5e+12	NDD Unbiased	590.47	589.27	-1.2011
6	5e+12	NDD Unbiased	593.53	587.96	-5.5649
7	5e+12	NDD Unbiased	596.02	591.21	-4.8069
8	5e+12	NDD Unbiased	587.05	587.5	0.4493
9	1e+13	NDD Unbiased	590.24	592.91	2.6629
10	1e+13	NDD Unbiased	586.99	585.83	-1.1624
11	1e+13	NDD Unbiased	591.78	589.59	-2.188
12	1e+13	NDD Unbiased	589.48	589.45	-0.0254
53	0	Correlation	591.12	615.06	23.935
54	0	Correlation	587.31	626.71	39.398

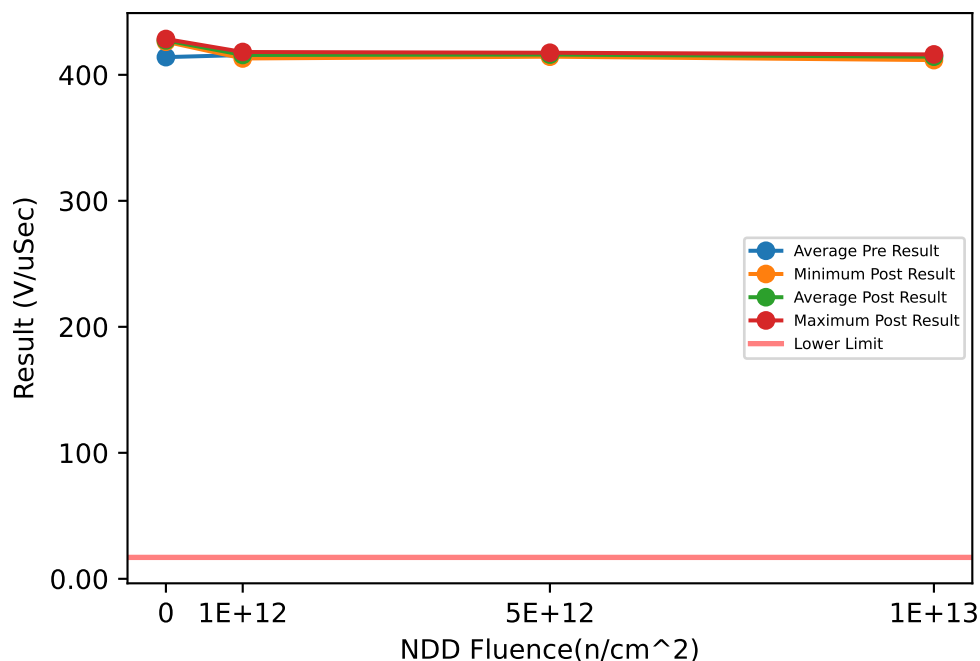
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	587.31	589.22	591.12	2.6989	615.06	620.88	626.71	8.2351	23.935	31.667	39.398	10.934
1e+12	589.91	591.19	592.38	1.2994	586.84	589.34	591.73	2.1584	-3.9833	-1.843	0.5018	2.1817
5e+12	587.05	591.77	596.02	3.877	587.5	588.99	591.21	1.6624	-5.5649	-2.7809	0.4493	2.8743
1e+13	586.99	589.62	591.78	1.998	585.83	589.44	592.91	2.8924	-2.188	-0.17822	2.6629	2.0899

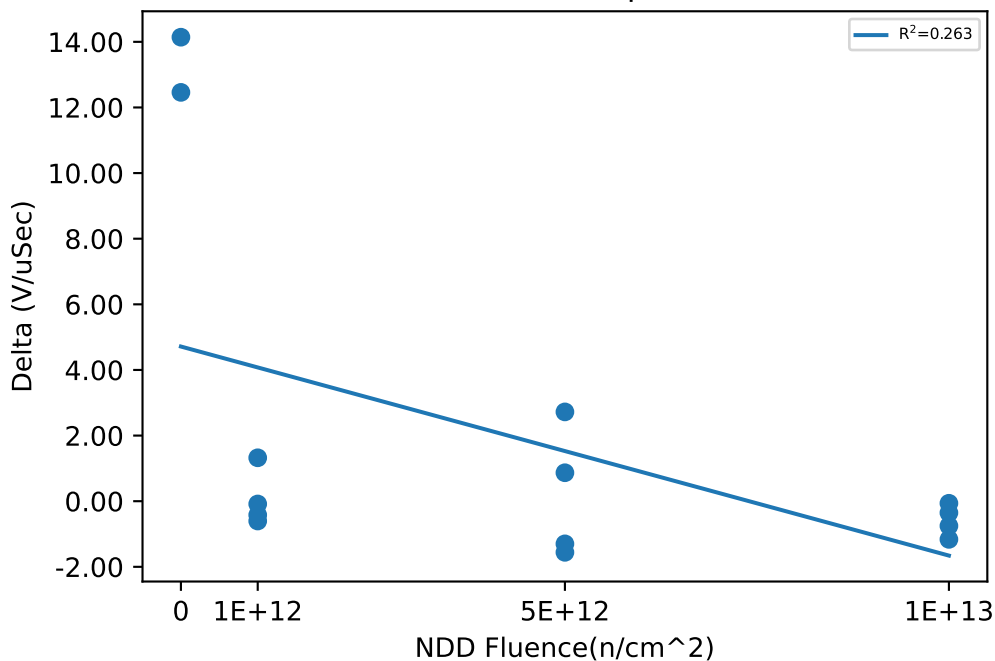
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	418.2	418.12	-0.0845
2	1e+12	NDD Unbiased	417.19	416.59	-0.6037
3	1e+12	NDD Unbiased	413.39	412.97	-0.4194
4	1e+12	NDD Unbiased	414.12	415.45	1.323
5	5e+12	NDD Unbiased	414.61	415.48	0.8673
6	5e+12	NDD Unbiased	414.8	417.52	2.7215
7	5e+12	NDD Unbiased	418.49	416.93	-1.5584
8	5e+12	NDD Unbiased	415.68	414.38	-1.3
9	1e+13	NDD Unbiased	414.78	414.72	-0.0632
10	1e+13	NDD Unbiased	412.03	411.68	-0.3522
11	1e+13	NDD Unbiased	417.36	416.2	-1.1631
12	1e+13	NDD Unbiased	415.76	415.01	-0.7529
53	0	Correlation	412.12	426.26	14.141
54	0	Correlation	415.98	428.44	12.46

NDD vs Post - Pre Exposure Delta

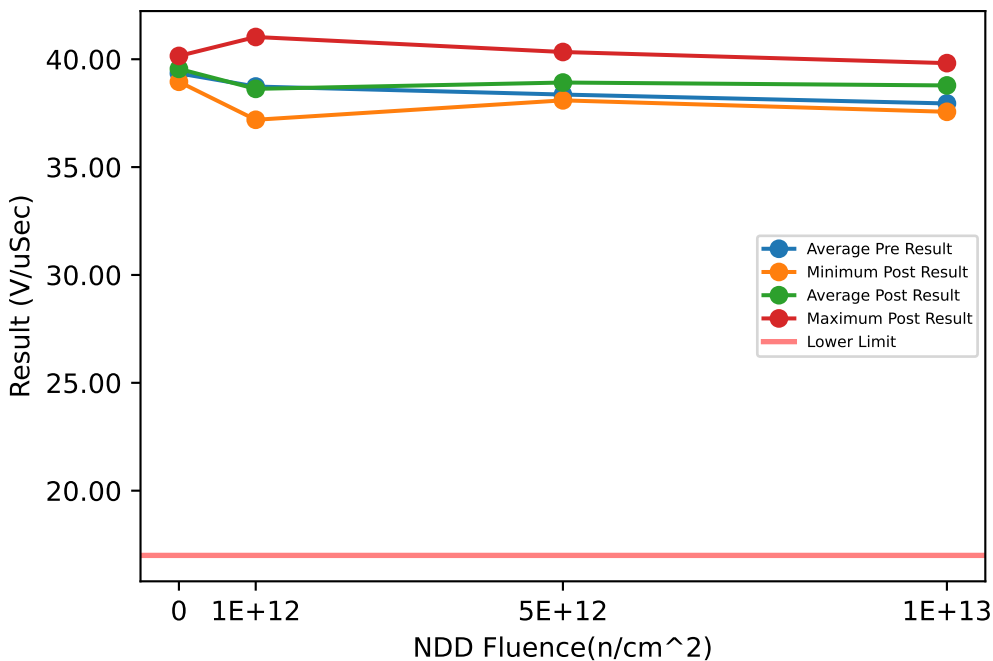


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	412.12	414.05	415.98	2.727	426.26	427.35	428.44	1.5379	12.46	13.301	14.141	1.1891
1e+12	413.39	415.73	418.2	2.3313	412.97	415.78	418.12	2.1689	-0.6037	0.05385	1.323	0.87297
5e+12	414.61	415.89	418.49	1.7905	414.38	416.08	417.52	1.4178	-1.5584	0.1826	2.7215	2.012
1e+13	412.03	414.98	417.36	2.2353	411.68	414.4	416.2	1.9226	-1.1631	-0.58285	-0.0632	0.47918

Device Test: 16.3 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN3/1.6/3/0/0/0/@EN_SLEW_RATE_RISE)

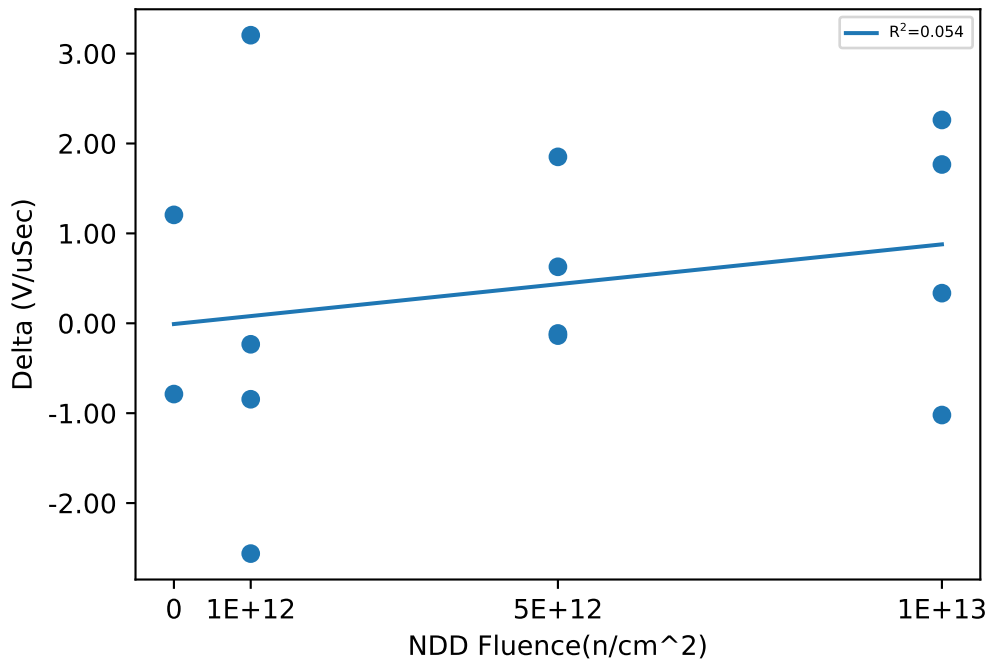
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	37.826	41.031	3.2047
2	1e+12	NDD Unbiased	38.417	38.183	-0.2336
3	1e+12	NDD Unbiased	39.755	37.194	-2.562
4	1e+12	NDD Unbiased	38.943	38.098	-0.8451
5	5e+12	NDD Unbiased	38.414	38.301	-0.1132
6	5e+12	NDD Unbiased	38.484	40.335	1.8513
7	5e+12	NDD Unbiased	39.087	38.95	-0.1372
8	5e+12	NDD Unbiased	37.466	38.094	0.6284
9	1e+13	NDD Unbiased	38.011	39.777	1.7664
10	1e+13	NDD Unbiased	37.557	39.819	2.2618
11	1e+13	NDD Unbiased	37.65	37.985	0.3352
12	1e+13	NDD Unbiased	38.584	37.563	-1.0206
53	0	Correlation	39.743	38.955	-0.7874
54	0	Correlation	38.947	40.153	1.2059

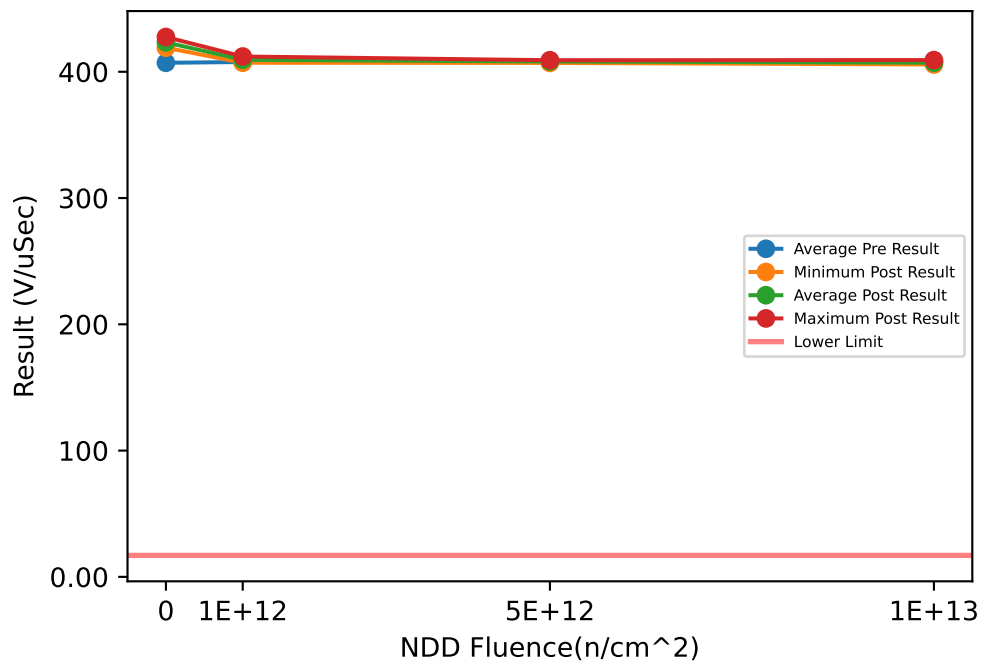
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.947	39.345	39.743	0.56286	38.955	39.554	40.153	0.84662	-0.7874	0.20925	1.2059	1.4095
1e+12	37.826	38.735	39.755	0.81892	37.194	38.626	41.031	1.6644	-2.562	-0.109	3.2047	2.419
5e+12	37.466	38.363	39.087	0.66995	38.094	38.92	40.335	1.0115	-0.1372	0.55733	1.8513	0.93299
1e+13	37.557	37.95	38.584	0.46536	37.563	38.786	39.819	1.1813	-1.0206	0.8357	2.2618	1.4828

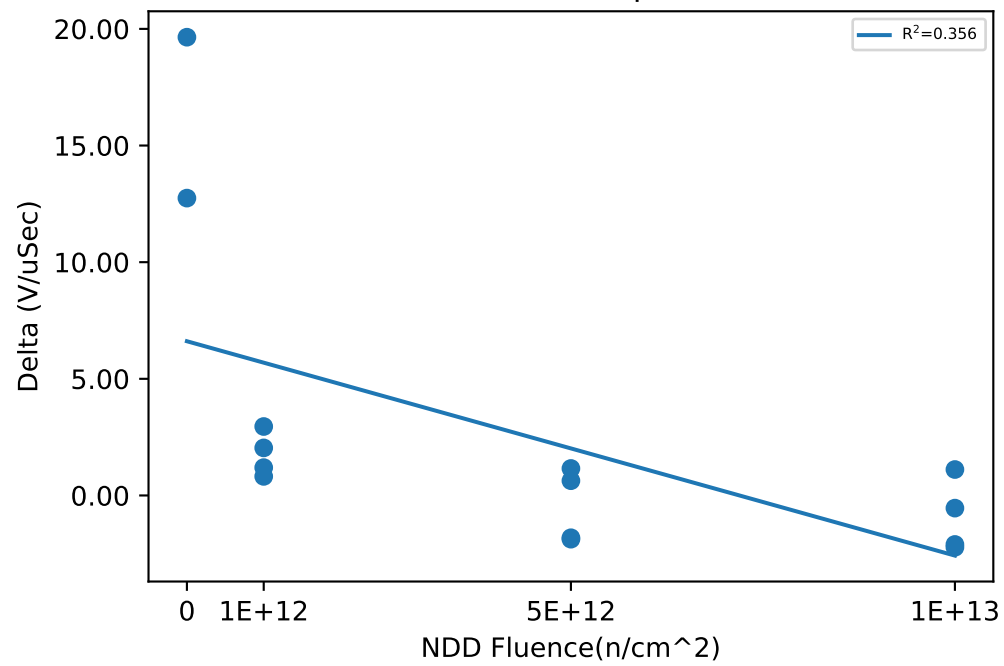
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	409.6	410.41	0.8177
2	1e+12	NDD Unbiased	409.14	412.1	2.9557
3	1e+12	NDD Unbiased	407.08	408.28	1.1935
4	1e+12	NDD Unbiased	405.11	407.15	2.0386
5	5e+12	NDD Unbiased	407.98	409.14	1.157
6	5e+12	NDD Unbiased	407.49	408.12	0.6326
7	5e+12	NDD Unbiased	410.25	408.38	-1.8741
8	5e+12	NDD Unbiased	408.8	406.99	-1.8133
9	1e+13	NDD Unbiased	408.14	409.25	1.1122
10	1e+13	NDD Unbiased	407.28	406.74	-0.5428
11	1e+13	NDD Unbiased	409.2	406.98	-2.2219
12	1e+13	NDD Unbiased	407.88	405.78	-2.1002
53	0	Correlation	406.32	419.07	12.746
54	0	Correlation	407.89	427.54	19.644

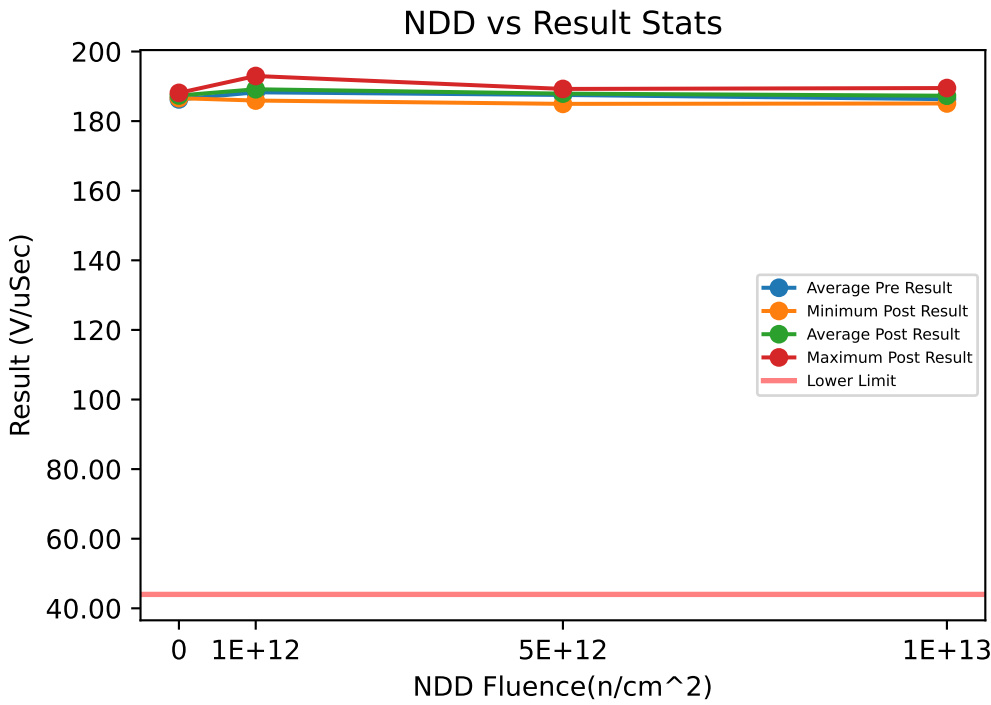
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

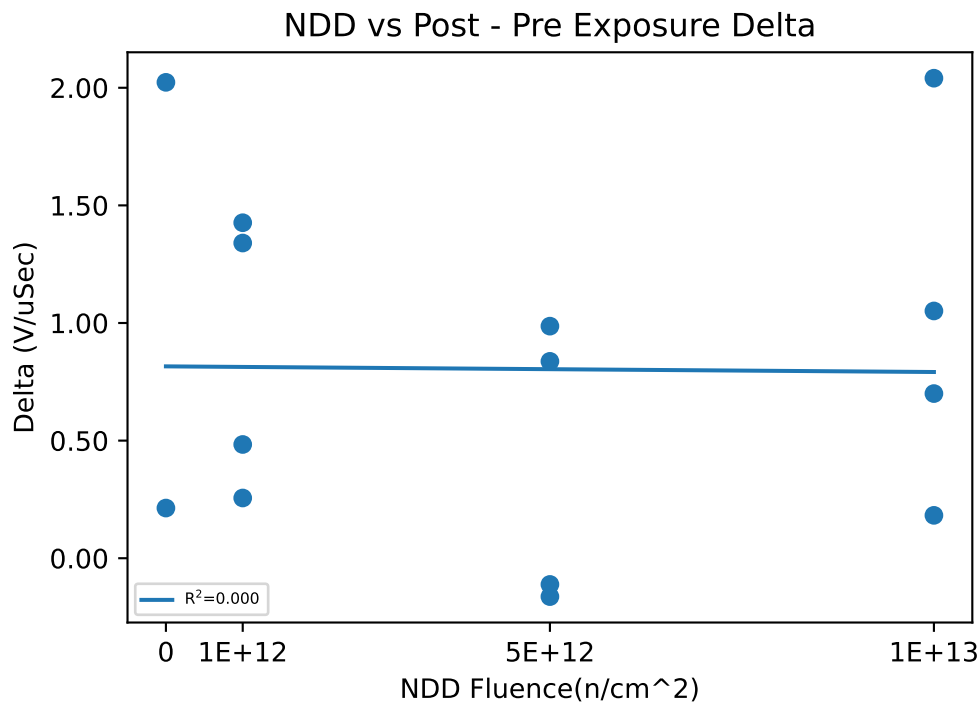
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	406.32	407.11	407.89	1.1078	419.07	423.3	427.54	5.9851	12.746	16.195	19.644	4.8773
1e+12	405.11	407.73	409.6	2.0627	407.15	409.48	412.1	2.2066	0.8177	1.7514	2.9557	0.95147
5e+12	407.49	408.63	410.25	1.2075	406.99	408.16	409.14	0.89141	-1.8741	-0.47445	1.157	1.5957
1e+13	407.28	408.12	409.2	0.80009	405.78	407.19	409.25	1.4699	-2.2219	-0.93818	1.1122	1.5662

Device Test: 16.31 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN1/7/3/0/0/0/@EN_SLEW_RATE_FALL)



Test Results (Lower Limit = 44.0 (V/uSec))

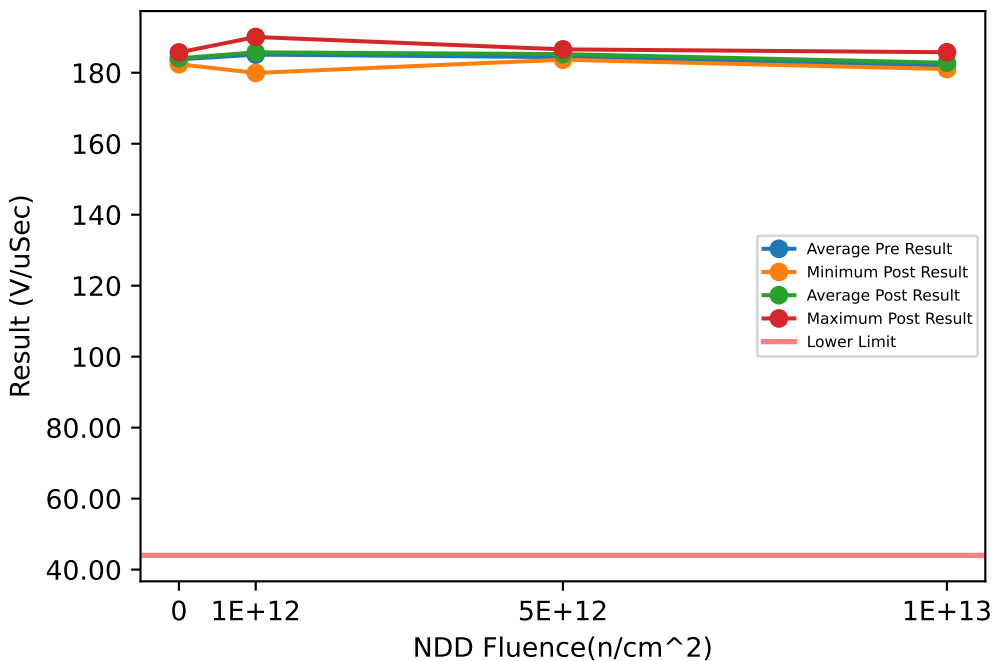
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	189.5	190.93	1.4263
2	1e+12	NDD Unbiased	192.48	192.97	0.4836
3	1e+12	NDD Unbiased	184.57	185.91	1.34
4	1e+12	NDD Unbiased	186.56	186.81	0.2561
5	5e+12	NDD Unbiased	185.12	184.96	-0.1631
6	5e+12	NDD Unbiased	187.79	188.63	0.837
7	5e+12	NDD Unbiased	189.36	189.25	-0.1114
8	5e+12	NDD Unbiased	187.78	188.77	0.9866
9	1e+13	NDD Unbiased	188.8	189.5	0.7
10	1e+13	NDD Unbiased	187.82	188.01	0.1823
11	1e+13	NDD Unbiased	185.55	186.6	1.0512
12	1e+13	NDD Unbiased	183.03	185.07	2.0407
53	0	Correlation	186.09	188.11	2.0231
54	0	Correlation	186.39	186.6	0.2133



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	186.09	186.24	186.39	0.20952	186.6	187.36	188.11	1.0702	0.2133	1.1182	2.0231	1.2797
1e+12	184.57	188.28	192.48	3.4594	185.91	189.15	192.97	3.3517	0.2561	0.8765	1.4263	0.5934
5e+12	185.12	187.51	189.36	1.7596	184.96	187.9	189.25	1.9807	-0.1631	0.38728	0.9866	0.60911
1e+13	183.03	186.3	188.8	2.5719	185.07	187.3	189.5	1.8985	0.1823	0.99355	2.0407	0.78404

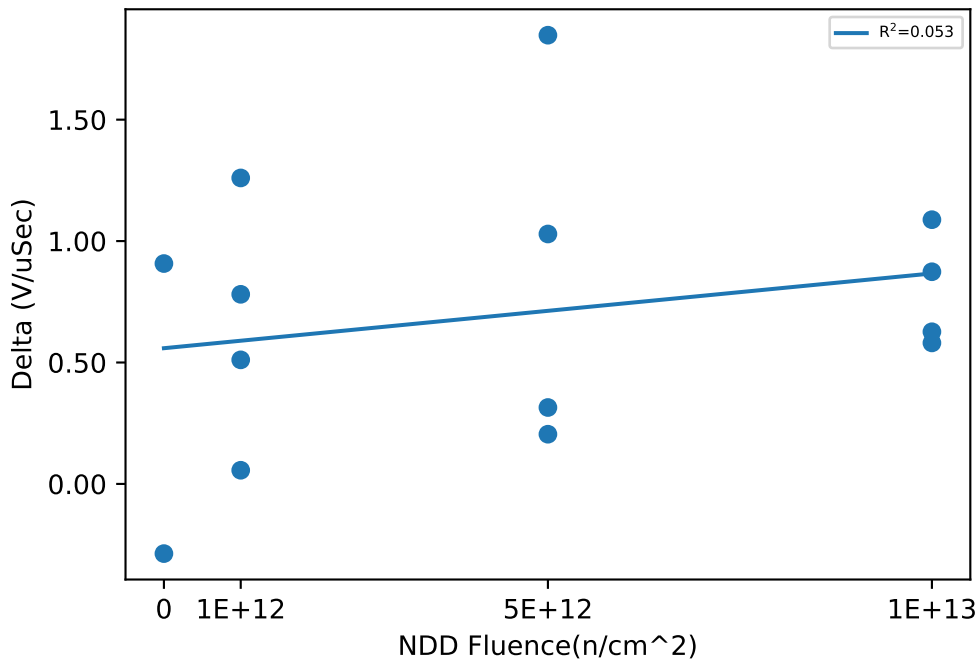
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	189.29	190.07	0.7808
2	1e+12	NDD Unbiased	188.95	189.01	0.0563
3	1e+12	NDD Unbiased	179.43	179.95	0.5109
4	1e+12	NDD Unbiased	182.72	183.98	1.26
5	5e+12	NDD Unbiased	182.64	183.67	1.0292
6	5e+12	NDD Unbiased	184.3	186.15	1.8478
7	5e+12	NDD Unbiased	186.26	186.58	0.3147
8	5e+12	NDD Unbiased	184.38	184.58	0.2047
9	1e+13	NDD Unbiased	185.19	185.77	0.5807
10	1e+13	NDD Unbiased	181.95	182.83	0.8737
11	1e+13	NDD Unbiased	181.02	181.64	0.6266
12	1e+13	NDD Unbiased	179.93	181.02	1.0881
53	0	Correlation	184.81	185.72	0.9075
54	0	Correlation	182.69	182.4	-0.2869

NDD vs Post - Pre Exposure Delta

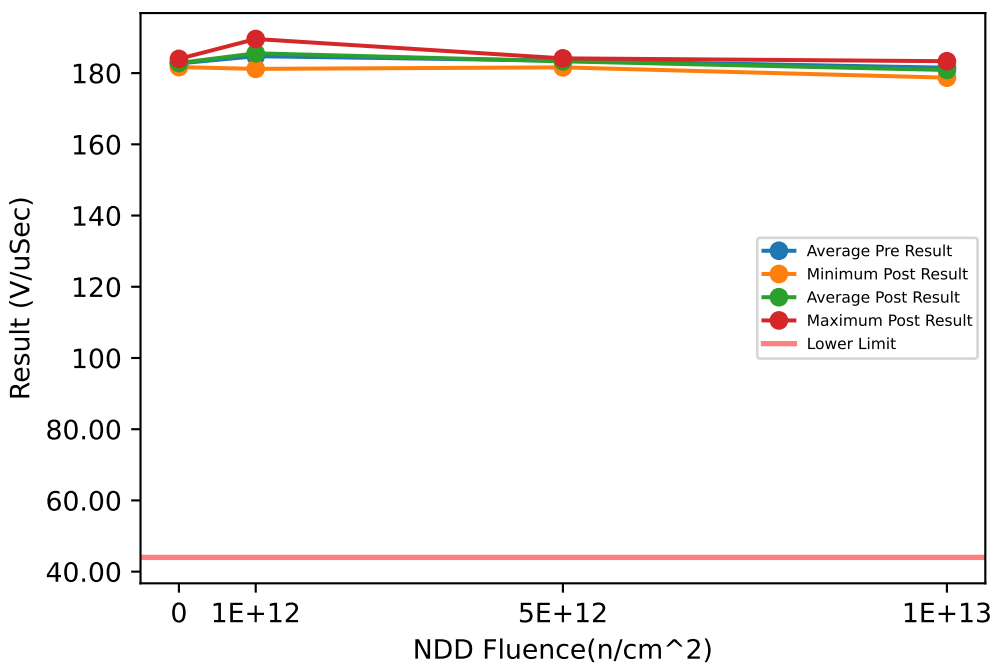


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	182.69	183.75	184.81	1.5015	182.4	184.06	185.72	2.3461	-0.2869	0.3103	0.9075	0.84457
1e+12	179.43	185.1	189.29	4.8335	179.95	185.75	190.07	4.6922	0.0563	0.652	1.26	0.50366
5e+12	182.64	184.4	186.26	1.4798	183.67	185.25	186.58	1.3557	0.2047	0.8491	1.8478	0.75953
1e+13	179.93	182.02	185.19	2.2676	181.02	182.82	185.77	2.1085	0.5807	0.79227	1.0881	0.23548

Device Test: 16.33 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN3/7/3/0/0/0/@EN_SLEW_RATE_FALL)

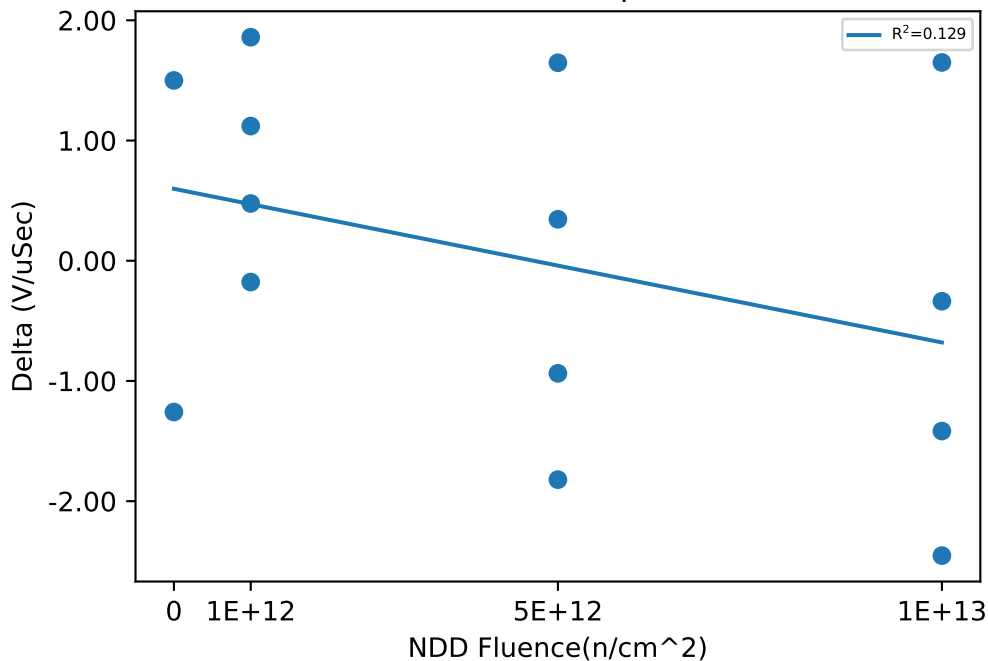
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	187.72	189.58	1.8596
2	1e+12	NDD Unbiased	187.57	188.05	0.4763
3	1e+12	NDD Unbiased	181.37	181.19	-0.1769
4	1e+12	NDD Unbiased	182.32	183.44	1.1203
5	5e+12	NDD Unbiased	179.97	181.61	1.6471
6	5e+12	NDD Unbiased	184.97	184.03	-0.9365
7	5e+12	NDD Unbiased	185.28	183.46	-1.8209
8	5e+12	NDD Unbiased	183.8	184.15	0.3449
9	1e+13	NDD Unbiased	185.8	183.35	-2.4526
10	1e+13	NDD Unbiased	180.24	181.89	1.6496
11	1e+13	NDD Unbiased	179.9	179.57	-0.3366
12	1e+13	NDD Unbiased	180.13	178.71	-1.4167
53	0	Correlation	182.49	183.99	1.5001
54	0	Correlation	182.95	181.69	-1.2582

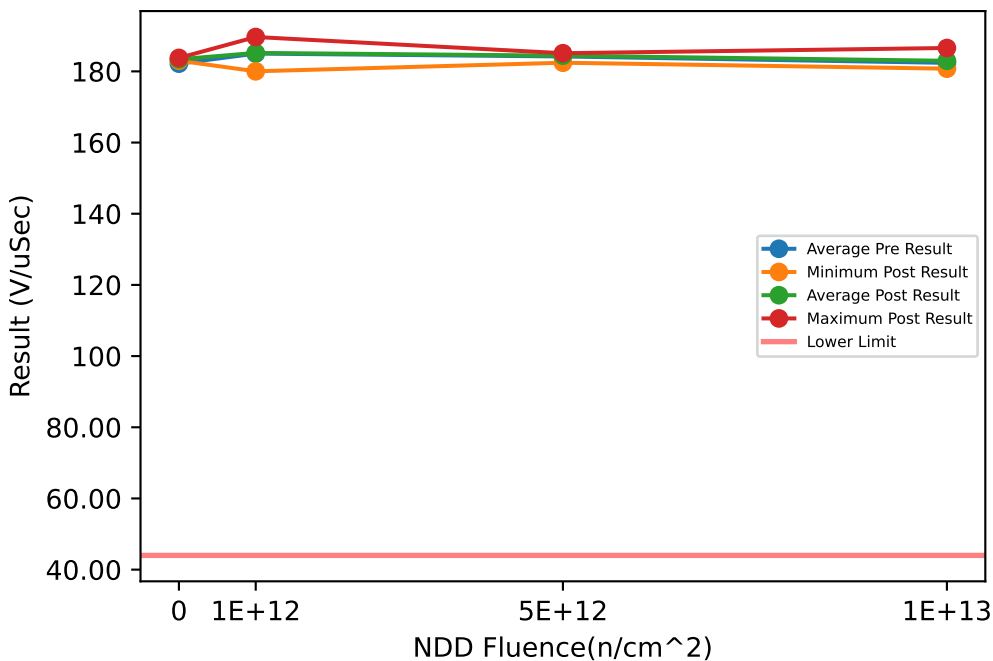
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	182.49	182.72	182.95	0.32202	181.69	182.84	183.99	1.6284	-1.2582	0.12095	1.5001	1.9504
1e+12	181.37	184.75	187.72	3.3723	181.19	185.57	189.58	3.9125	-0.1769	0.81983	1.8596	0.87233
5e+12	179.97	183.5	185.28	2.4427	181.61	183.31	184.15	1.1719	-1.8209	-0.19135	1.6471	1.5142
1e+13	179.9	181.52	185.8	2.8581	178.71	180.88	183.35	2.1224	-2.4526	-0.63908	1.6496	1.7534

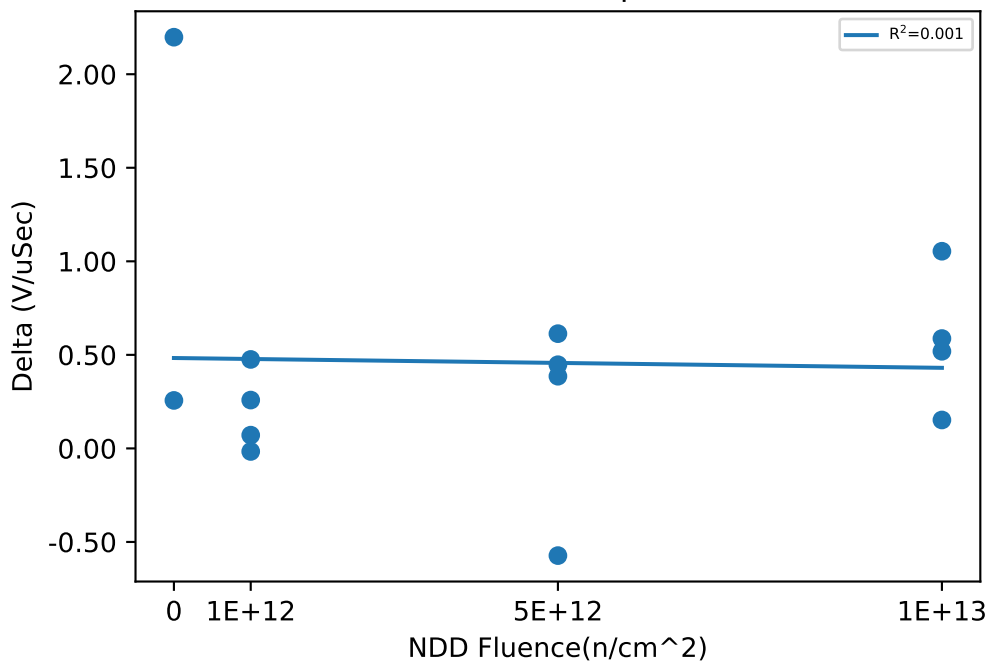
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	189.59	189.66	0.0709
2	1e+12	NDD Unbiased	188.08	188.55	0.4756
3	1e+12	NDD Unbiased	179.76	180.02	0.2584
4	1e+12	NDD Unbiased	182.55	182.54	-0.0163
5	5e+12	NDD Unbiased	181.82	182.43	0.6133
6	5e+12	NDD Unbiased	185.67	185.09	-0.5729
7	5e+12	NDD Unbiased	184.57	185.02	0.4473
8	5e+12	NDD Unbiased	184.72	185.1	0.3858
9	1e+13	NDD Unbiased	185.52	186.57	1.0539
10	1e+13	NDD Unbiased	183.23	183.75	0.5191
11	1e+13	NDD Unbiased	180.17	180.76	0.5873
12	1e+13	NDD Unbiased	180.65	180.81	0.152
53	0	Correlation	182.75	183.01	0.2565
54	0	Correlation	181.59	183.78	2.1979

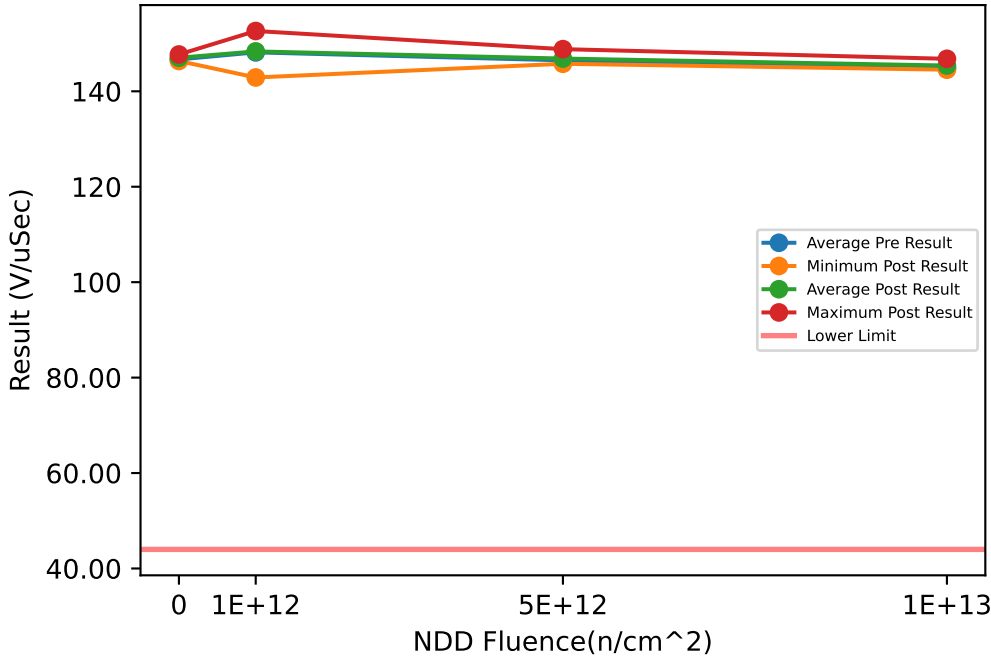
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	181.59	182.17	182.75	0.82618	183.01	183.4	183.78	0.54659	0.2565	1.2272	2.1979	1.3728
1e+12	179.76	185	189.59	4.6178	180.02	185.19	189.66	4.6574	-0.0163	0.19715	0.4756	0.21816
5e+12	181.82	184.19	185.67	1.6552	182.43	184.41	185.1	1.3194	-0.5729	0.21838	0.6133	0.5362
1e+13	180.17	182.39	185.52	2.477	180.76	182.97	186.57	2.7768	0.152	0.57807	1.0539	0.37037

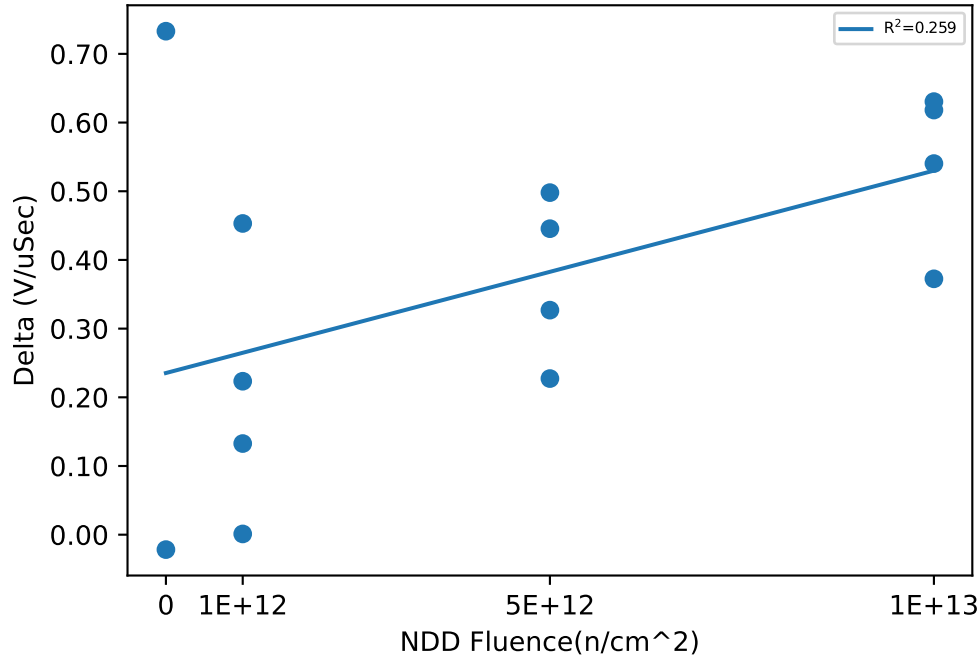
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	152.41	152.64	0.2234
2	1e+12	NDD Unbiased	152.38	152.51	0.1327
3	1e+12	NDD Unbiased	142.9	142.9	0.0011
4	1e+12	NDD Unbiased	144.94	145.39	0.4531
5	5e+12	NDD Unbiased	145.32	145.77	0.4455
6	5e+12	NDD Unbiased	148.51	148.83	0.3269
7	5e+12	NDD Unbiased	146.01	146.24	0.2273
8	5e+12	NDD Unbiased	146.1	146.6	0.498
9	1e+13	NDD Unbiased	146.18	146.81	0.6305
10	1e+13	NDD Unbiased	145.04	145.66	0.6182
11	1e+13	NDD Unbiased	143.99	144.53	0.5403
12	1e+13	NDD Unbiased	144.22	144.6	0.3725
53	0	Correlation	146.98	147.71	0.733
54	0	Correlation	146.37	146.35	-0.0217

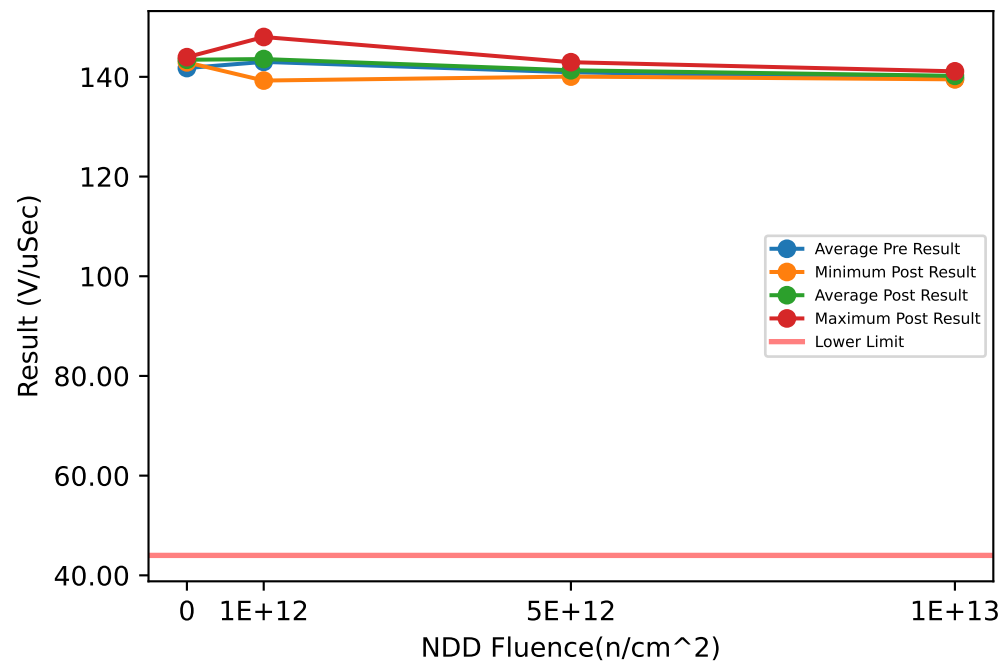
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	146.37	146.68	146.98	0.42865	146.35	147.03	147.71	0.9623	-0.0217	0.35565	0.733	0.53365
1e+12	142.9	148.16	152.41	4.966	142.9	148.36	152.64	4.9729	0.0011	0.20257	0.4531	0.19033
5e+12	145.32	146.49	148.51	1.3914	145.77	146.86	148.83	1.3591	0.2273	0.37442	0.498	0.12142
1e+13	143.99	144.86	146.18	0.98888	144.53	145.4	146.81	1.0732	0.3725	0.54037	0.6305	0.11883

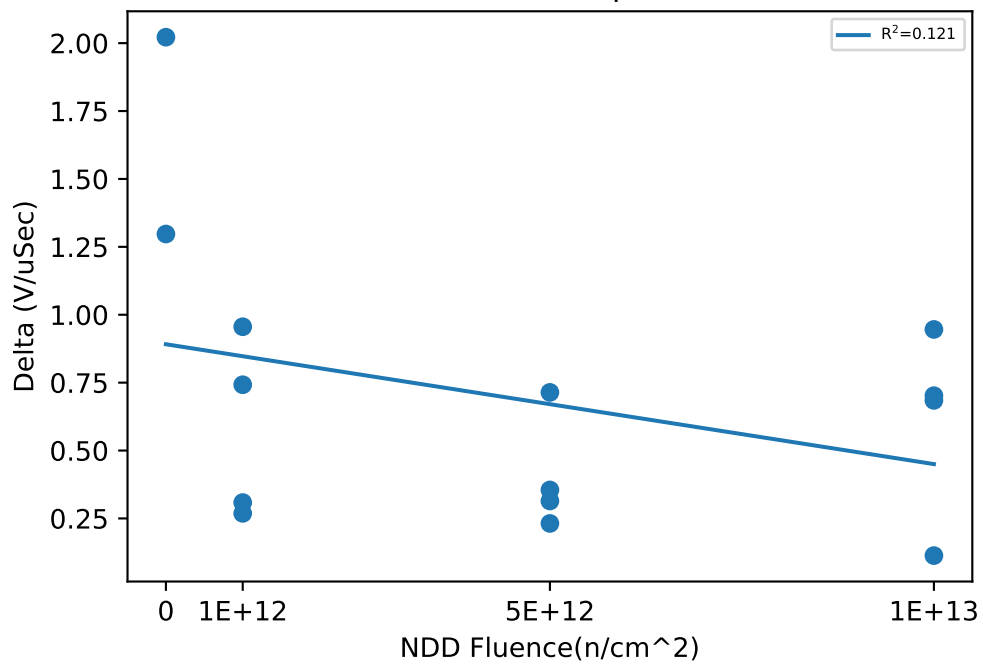
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	147.25	147.99	0.7423
2	1e+12	NDD Unbiased	146.48	147.44	0.9558
3	1e+12	NDD Unbiased	139.28	139.59	0.3085
4	1e+12	NDD Unbiased	138.99	139.25	0.2687
5	5e+12	NDD Unbiased	139.82	140.05	0.2316
6	5e+12	NDD Unbiased	142.22	142.94	0.7141
7	5e+12	NDD Unbiased	141.02	141.38	0.3549
8	5e+12	NDD Unbiased	140.59	140.9	0.3143
9	1e+13	NDD Unbiased	139.96	140.66	0.702
10	1e+13	NDD Unbiased	140.16	141.11	0.9459
11	1e+13	NDD Unbiased	138.86	139.55	0.6847
12	1e+13	NDD Unbiased	139.38	139.5	0.1132
53	0	Correlation	141.61	142.91	1.2972
54	0	Correlation	141.92	143.94	2.0219

NDD vs Post - Pre Exposure Delta

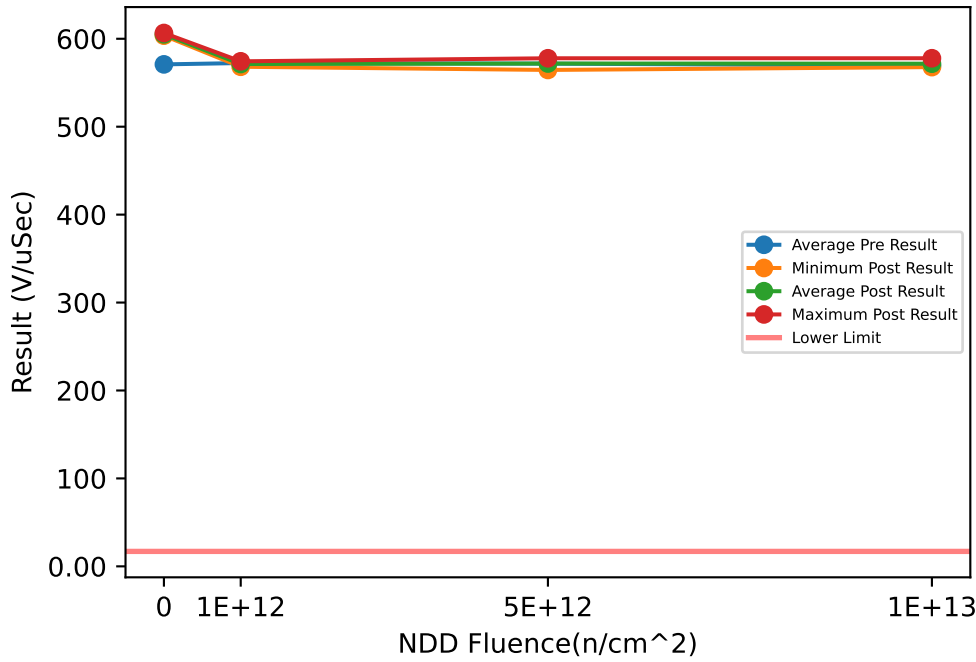


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	141.61	141.77	141.92	0.22274	142.91	143.42	143.94	0.73518	1.2972	1.6596	2.0219	0.51244
1e+12	138.99	143	147.25	4.4757	139.25	143.57	147.99	4.794	0.2687	0.56883	0.9558	0.3355
5e+12	139.82	140.91	142.22	1.0037	140.05	141.32	142.94	1.2103	0.2316	0.40372	0.7141	0.21318
1e+13	138.86	139.59	140.16	0.58668	139.5	140.2	141.11	0.80698	0.1132	0.61145	0.9459	0.35293

Device Test: 16.37 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN1/7/14/0/0/0/@EN_SLEW_RATE_RISE)

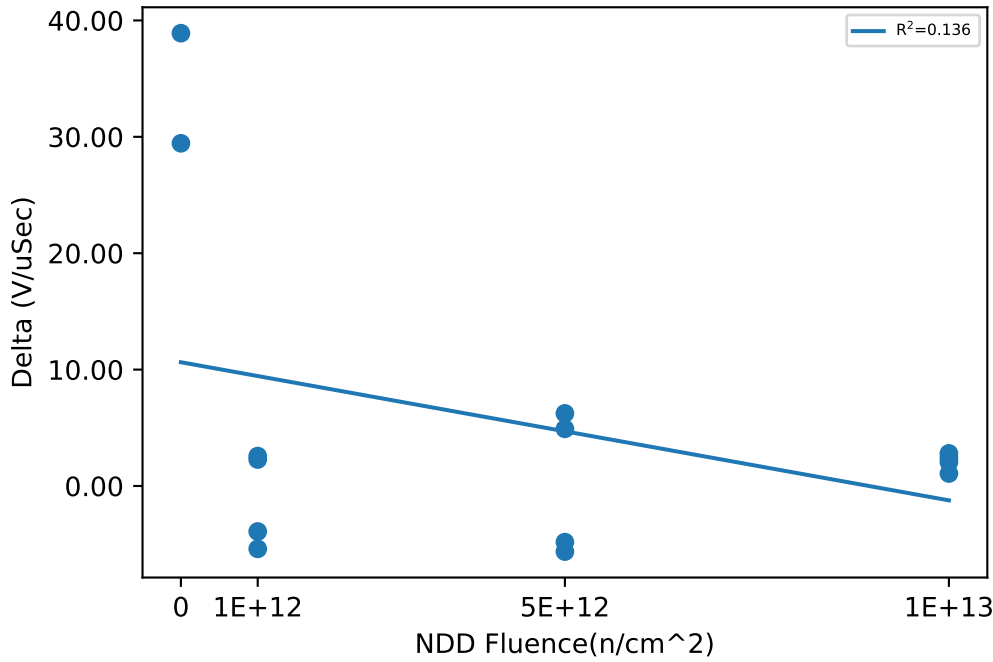
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	568.46	571.03	2.5704
2	1e+12	NDD Unbiased	578.28	574.37	-3.9116
3	1e+12	NDD Unbiased	576.93	571.53	-5.4027
4	1e+12	NDD Unbiased	565.88	568.16	2.2732
5	5e+12	NDD Unbiased	568.89	573.8	4.9092
6	5e+12	NDD Unbiased	576.92	571.28	-5.6376
7	5e+12	NDD Unbiased	571.58	577.82	6.2369
8	5e+12	NDD Unbiased	569.36	564.54	-4.8204
9	1e+13	NDD Unbiased	566.7	567.77	1.073
10	1e+13	NDD Unbiased	566.48	568.9	2.4122
11	1e+13	NDD Unbiased	569.36	572.16	2.8008
12	1e+13	NDD Unbiased	575.79	577.84	2.0487
53	0	Correlation	567.66	606.56	38.904
54	0	Correlation	574.1	603.54	29.445

NDD vs Post - Pre Exposure Delta

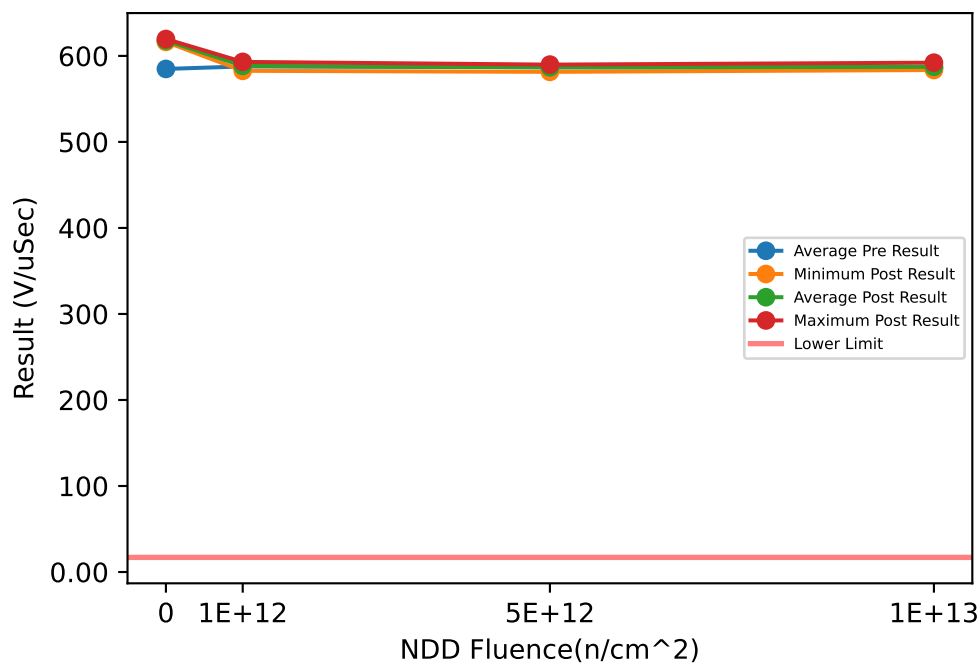


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	567.66	570.88	574.1	4.5546	603.54	605.05	606.56	2.1342	29.445	34.175	38.904	6.6888
1e+12	565.88	572.39	578.28	6.1393	568.16	571.27	574.37	2.5435	-5.4027	-1.1177	2.5704	4.1339
5e+12	568.89	571.69	576.92	3.6789	564.54	571.86	577.82	5.5762	-5.6376	0.17202	6.2369	6.269
1e+13	566.48	569.58	575.79	4.3424	567.77	571.67	577.84	4.5186	1.073	2.0837	2.8008	0.74047

Device Test: 16.38 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN2/7/14/0/0/0/@EN_SLEW_RATE_RISE)

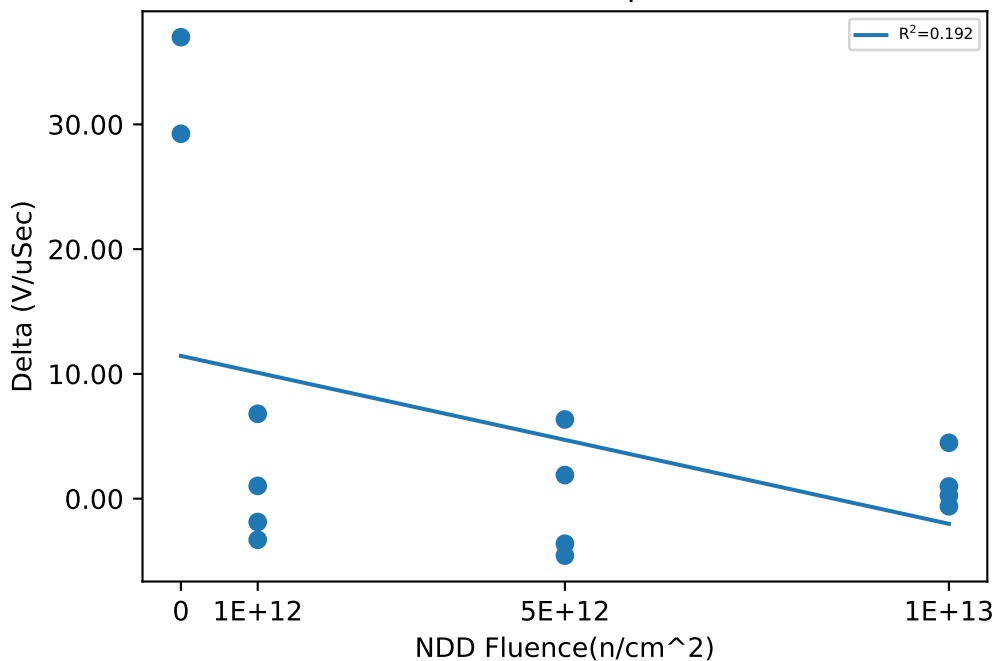
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	586.23	593.04	6.801
2	1e+12	NDD Unbiased	591.22	592.25	1.0242
3	1e+12	NDD Unbiased	584.52	582.65	-1.8679
4	1e+12	NDD Unbiased	588.98	585.69	-3.2904
5	5e+12	NDD Unbiased	583.52	589.87	6.349
6	5e+12	NDD Unbiased	586.22	588.11	1.8932
7	5e+12	NDD Unbiased	592.19	587.63	-4.562
8	5e+12	NDD Unbiased	585.06	581.45	-3.6089
9	1e+13	NDD Unbiased	583.32	583.57	0.2557
10	1e+13	NDD Unbiased	588.96	588.35	-0.611
11	1e+13	NDD Unbiased	587.64	592.12	4.4789
12	1e+13	NDD Unbiased	584.37	585.34	0.9778
53	0	Correlation	582.67	619.65	36.988
54	0	Correlation	587.06	616.3	29.248

NDD vs Post - Pre Exposure Delta

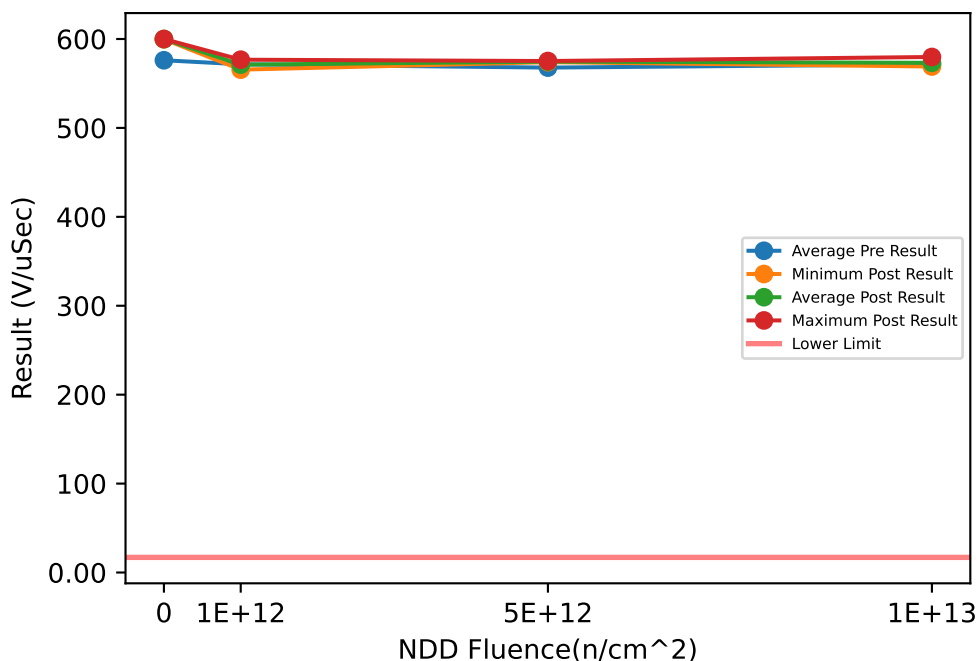


Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	582.67	584.86	587.06	3.1052	616.3	617.98	619.65	2.3684	29.248	33.118	36.988	5.4736
1e+12	584.52	587.74	591.22	2.9602	582.65	588.41	593.04	5.0552	-3.2904	0.66672	6.801	4.4662
5e+12	583.52	586.75	592.19	3.7936	581.45	586.77	589.87	3.6713	-4.562	0.017825	6.349	5.0901
1e+13	583.32	586.07	588.96	2.6628	583.57	587.35	592.12	3.7419	-0.611	1.2754	4.4789	2.2323

Device Test: 16.39 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN3/7/14/0/0/0/@EN_SLEW_RATE_RISE)

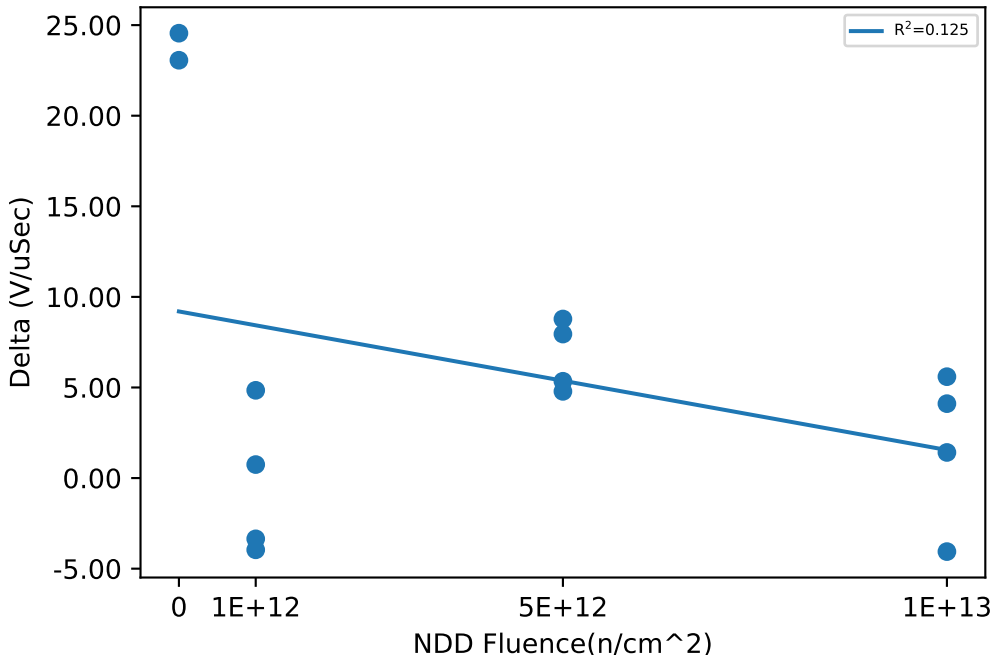
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	575.97	576.71	0.7457
2	1e+12	NDD Unbiased	567.31	572.16	4.8435
3	1e+12	NDD Unbiased	573.47	570.12	-3.3538
4	1e+12	NDD Unbiased	569.5	565.54	-3.9589
5	5e+12	NDD Unbiased	569.75	574.54	4.7856
6	5e+12	NDD Unbiased	565.69	574.47	8.7799
7	5e+12	NDD Unbiased	568.61	573.95	5.3433
8	5e+12	NDD Unbiased	567.28	575.22	7.9488
9	1e+13	NDD Unbiased	567.63	569.04	1.4144
10	1e+13	NDD Unbiased	566.56	570.67	4.1076
11	1e+13	NDD Unbiased	577.45	573.39	-4.0579
12	1e+13	NDD Unbiased	574.17	579.77	5.5962
53	0	Correlation	575.44	600	24.554
54	0	Correlation	576.72	599.78	23.062

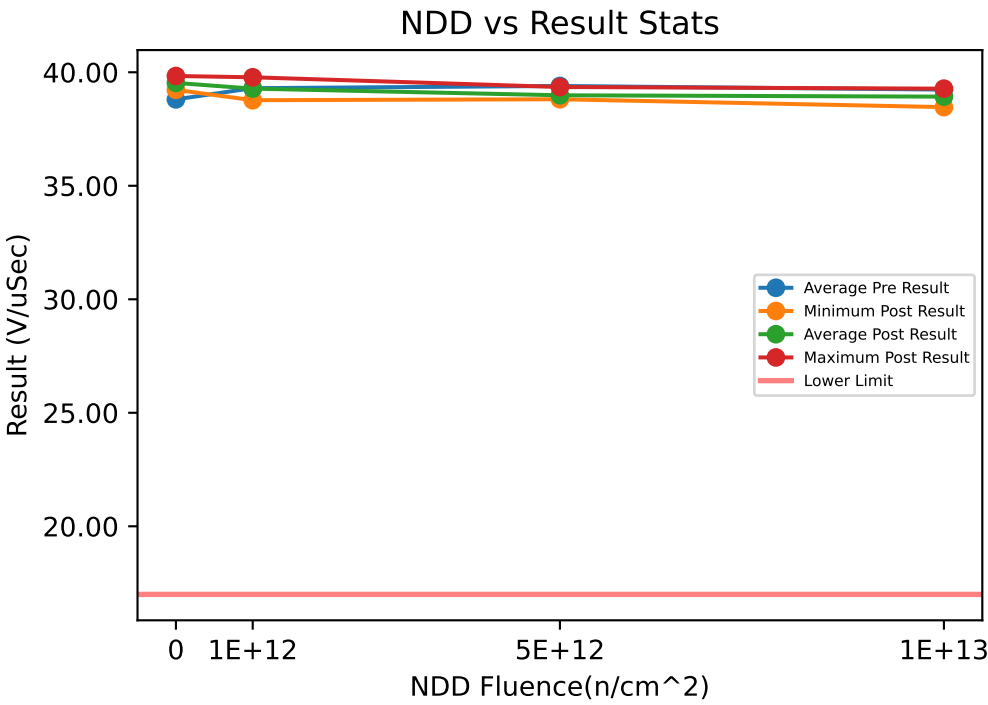
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

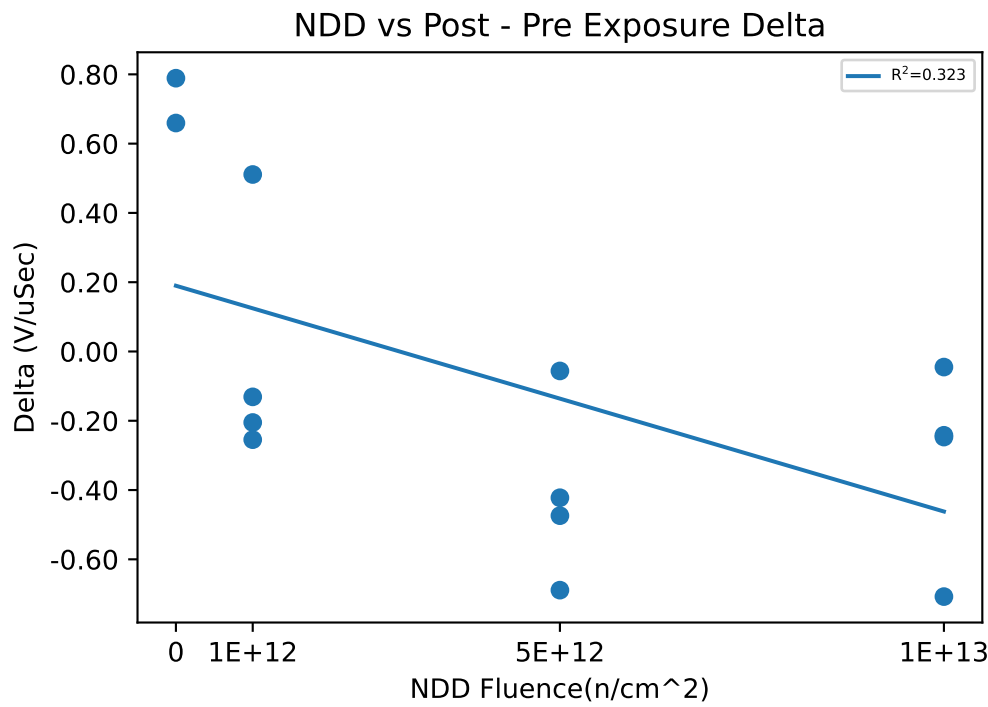
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	575.44	576.08	576.72	0.90255	599.78	599.89	600	0.15266	23.062	23.808	24.554	1.0552
1e+12	567.31	571.56	575.97	3.8892	565.54	571.13	576.71	4.6363	-3.9589	-0.43087	4.8435	4.0904
5e+12	565.69	567.83	569.75	1.751	573.95	574.54	575.22	0.52351	4.7856	6.7144	8.7799	1.9485
1e+13	566.56	571.45	577.45	5.2239	569.04	573.22	579.77	4.7212	-4.0579	1.7651	5.5962	4.2503

Device Test: 16.4 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN4/1.6/3/0/0/0/@EN_SLEW_RATE_RISE)



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	39.738	39.483	-0.2546
2	1e+12	NDD Unbiased	39.268	39.779	0.5109
3	1e+12	NDD Unbiased	38.974	38.769	-0.205
4	1e+12	NDD Unbiased	39.217	39.086	-0.131
5	5e+12	NDD Unbiased	38.867	38.811	-0.0562
6	5e+12	NDD Unbiased	39.773	39.35	-0.4222
7	5e+12	NDD Unbiased	39.438	38.965	-0.474
8	5e+12	NDD Unbiased	39.507	38.818	-0.689
9	1e+13	NDD Unbiased	39.323	39.278	-0.045
10	1e+13	NDD Unbiased	39.172	38.465	-0.7076
11	1e+13	NDD Unbiased	39.349	39.107	-0.2419
12	1e+13	NDD Unbiased	39.102	38.855	-0.2471
53	0	Correlation	38.566	39.225	0.6595
54	0	Correlation	39.047	39.836	0.7889

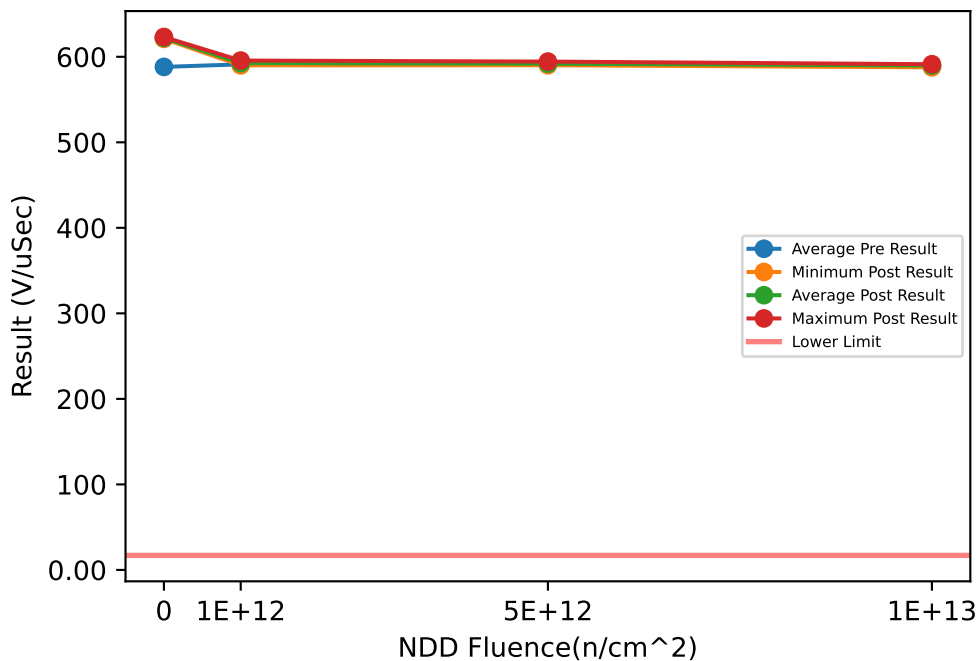


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.566	38.806	39.047	0.33998	39.225	39.531	39.836	0.43148	0.6595	0.7242	0.7889	0.0915
1e+12	38.974	39.299	39.738	0.3194	38.769	39.279	39.779	0.44301	-0.2546	-0.019925	0.5109	0.35751
5e+12	38.867	39.396	39.773	0.38092	38.811	38.986	39.35	0.25307	-0.689	-0.41035	-0.0562	0.26284
1e+13	39.102	39.236	39.349	0.11891	38.465	38.926	39.278	0.35339	-0.7076	-0.3104	-0.045	0.28101

Device Test: 16.40 EN_SLEW_RATE_RISE(_LEVEL|RISE/EN4/7/14/0/0/0/@EN_SLEW_RATE_RISE)

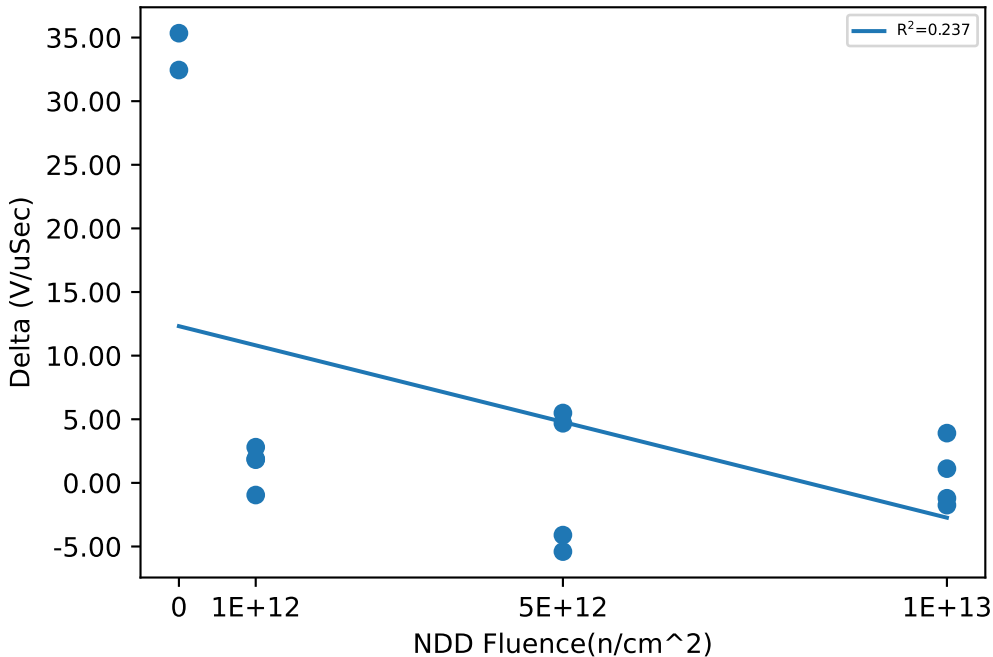
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	593.7	595.59	1.8896
2	1e+12	NDD Unbiased	590.95	590	-0.9552
3	1e+12	NDD Unbiased	591.15	593.95	2.8053
4	1e+12	NDD Unbiased	588.91	590.73	1.8225
5	5e+12	NDD Unbiased	594.21	590.1	-4.105
6	5e+12	NDD Unbiased	595.7	590.3	-5.4011
7	5e+12	NDD Unbiased	588.91	594.4	5.4914
8	5e+12	NDD Unbiased	588.3	592.99	4.6836
9	1e+13	NDD Unbiased	587.4	591.31	3.9097
10	1e+13	NDD Unbiased	588.87	587.66	-1.209
11	1e+13	NDD Unbiased	589.56	590.68	1.1192
12	1e+13	NDD Unbiased	591.22	589.47	-1.7507
53	0	Correlation	585.65	620.99	35.342
54	0	Correlation	590.69	623.14	32.448

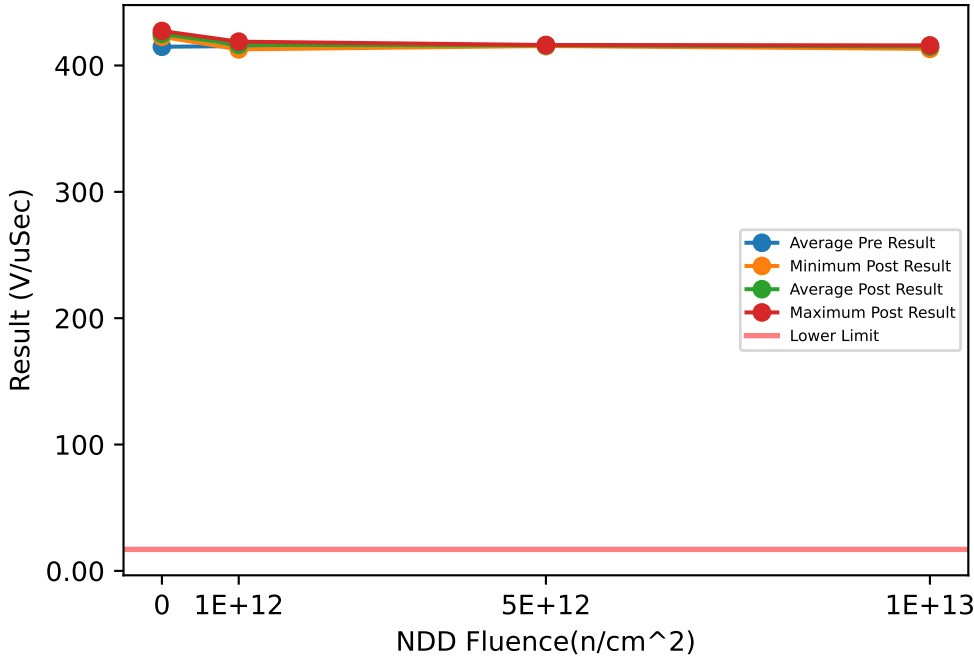
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	585.65	588.17	590.69	3.5649	620.99	622.07	623.14	1.5181	32.448	33.895	35.342	2.0468
1e+12	588.91	591.18	593.7	1.9616	590	592.57	595.59	2.6469	-0.9552	1.3905	2.8053	1.6268
5e+12	588.3	591.78	595.7	3.7223	590.1	591.95	594.4	2.1007	-5.4011	0.16722	5.4914	5.7156
1e+13	587.4	589.26	591.22	1.5855	587.66	589.78	591.31	1.6072	-1.7507	0.5173	3.9097	2.5816

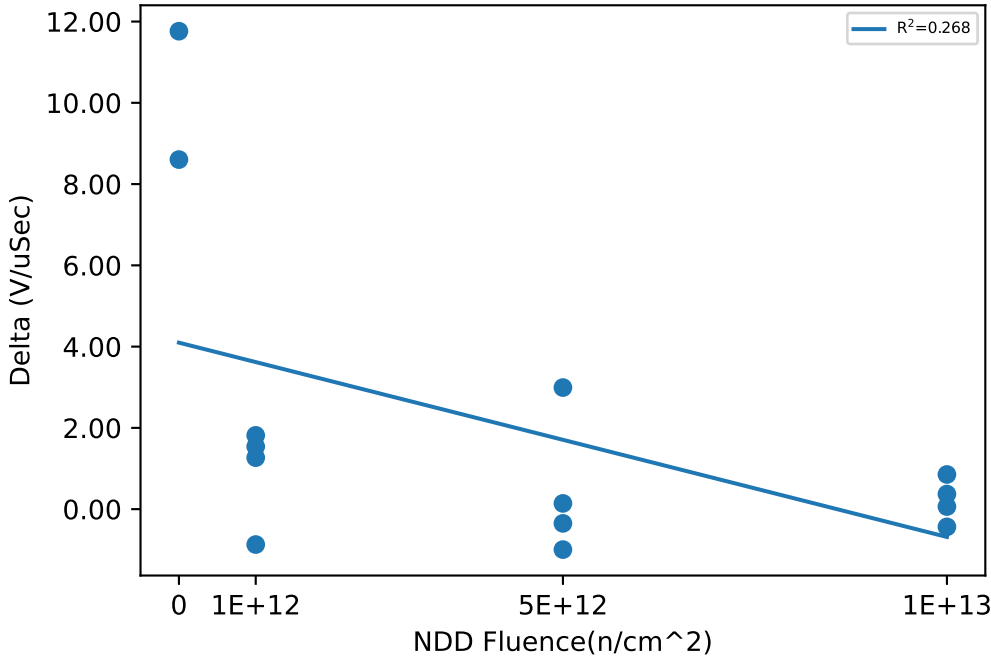
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	417.31	418.85	1.541
2	1e+12	NDD Unbiased	416.18	417.99	1.816
3	1e+12	NDD Unbiased	413.63	412.76	-0.8711
4	1e+12	NDD Unbiased	414.31	415.58	1.2675
5	5e+12	NDD Unbiased	417.04	416.05	-0.9955
6	5e+12	NDD Unbiased	413.14	416.13	2.9924
7	5e+12	NDD Unbiased	416.59	416.24	-0.35
8	5e+12	NDD Unbiased	415.27	415.41	0.1412
9	1e+13	NDD Unbiased	414.42	415.27	0.8532
10	1e+13	NDD Unbiased	412.76	413.13	0.3715
11	1e+13	NDD Unbiased	416.35	415.91	-0.436
12	1e+13	NDD Unbiased	415.62	415.68	0.0638
53	0	Correlation	414.1	422.7	8.6031
54	0	Correlation	415.54	427.3	11.763

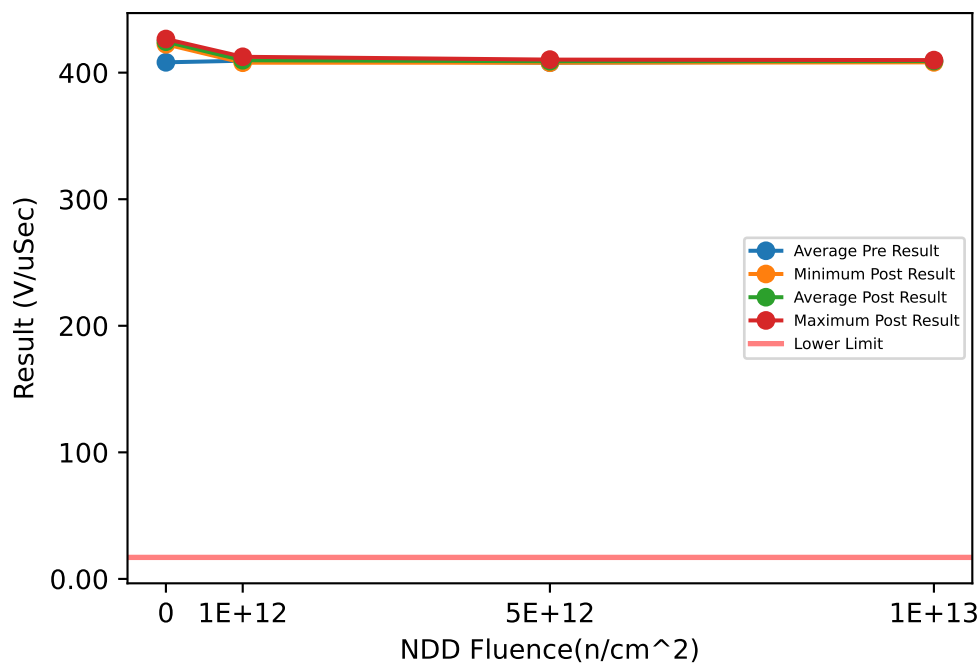
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	414.1	414.82	415.54	1.0219	422.7	425	427.3	3.2561	8.6031	10.183	11.763	2.2342
1e+12	413.63	415.36	417.31	1.6889	412.76	416.3	418.85	2.734	-0.8711	0.93835	1.816	1.2269
5e+12	413.14	415.51	417.04	1.7498	415.41	415.96	416.24	0.37216	-0.9955	0.44703	2.9924	1.7596
1e+13	412.76	414.79	416.35	1.5665	413.13	415	415.91	1.2719	-0.436	0.21313	0.8532	0.54112

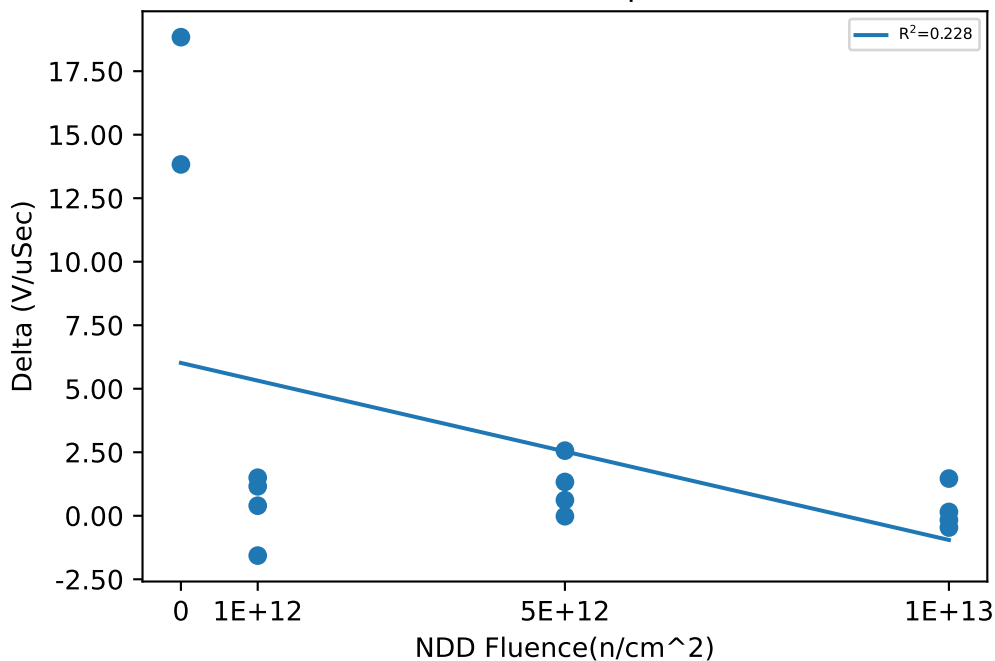
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	412.43	410.86	-1.5676
2	1e+12	NDD Unbiased	411.03	412.53	1.4976
3	1e+12	NDD Unbiased	406.82	407.98	1.1589
4	1e+12	NDD Unbiased	407.44	407.84	0.3961
5	5e+12	NDD Unbiased	407.85	407.83	-0.018
6	5e+12	NDD Unbiased	406.19	408.76	2.5636
7	5e+12	NDD Unbiased	408.99	410.32	1.33
8	5e+12	NDD Unbiased	408.57	409.18	0.6148
9	1e+13	NDD Unbiased	409.87	409.7	-0.163
10	1e+13	NDD Unbiased	407.41	408.88	1.4652
11	1e+13	NDD Unbiased	408.59	408.12	-0.463
12	1e+13	NDD Unbiased	409.77	409.92	0.1505
53	0	Correlation	408.56	422.39	13.83
54	0	Correlation	407.75	426.59	18.838

NDD vs Post - Pre Exposure Delta

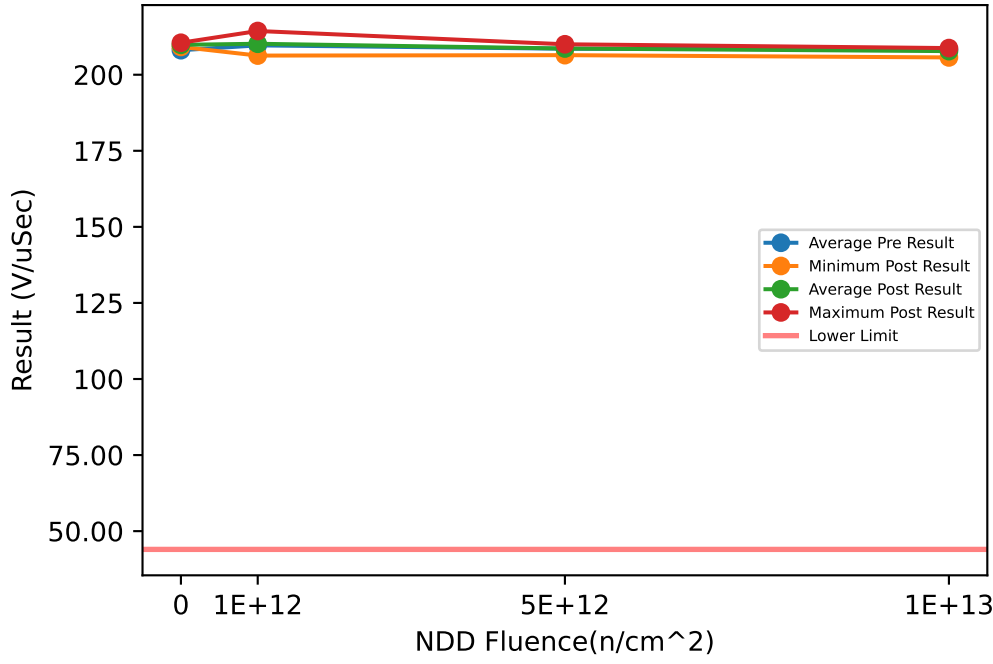


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	407.75	408.16	408.56	0.57375	422.39	424.49	426.59	2.9674	13.83	16.334	18.838	3.5411
1e+12	406.82	409.43	412.43	2.726	407.84	409.8	412.53	2.2887	-1.5676	0.37125	1.4976	1.3722
5e+12	406.19	407.9	408.99	1.2293	407.83	409.02	410.32	1.0305	-0.018	1.1226	2.5636	1.1073
1e+13	407.41	408.91	409.87	1.1554	408.12	409.15	409.92	0.82173	-0.463	0.24743	1.4652	0.84961

Device Test: 16.43 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN1/7/14/0/0/0/@EN_SLEW_RATE_FALL)

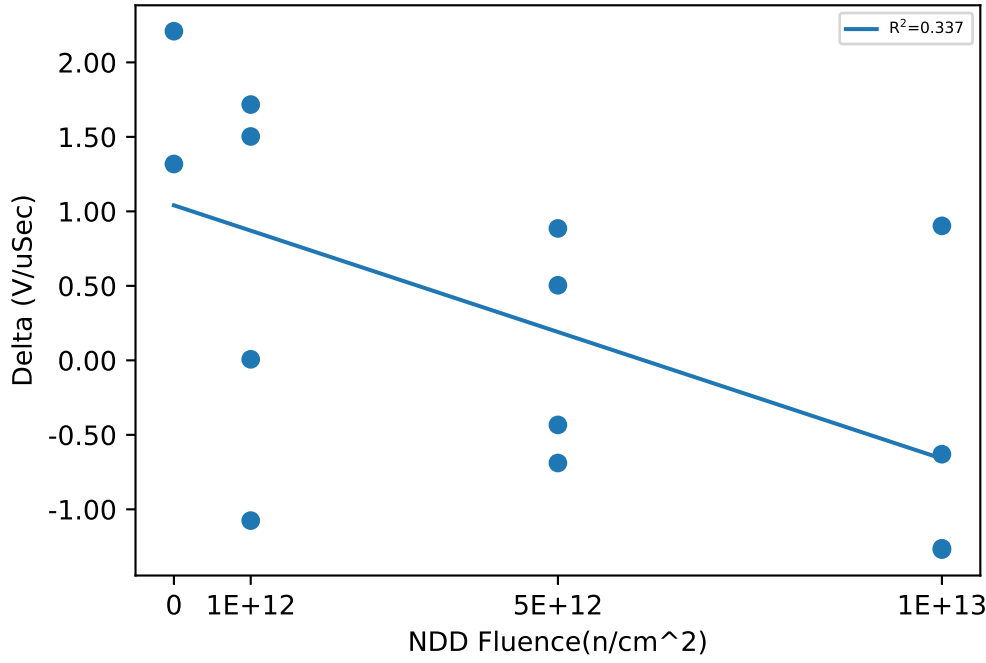
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	210.37	211.87	1.5027
2	1e+12	NDD Unbiased	214.37	214.37	0.0071
3	1e+12	NDD Unbiased	207.37	206.3	-1.0755
4	1e+12	NDD Unbiased	206.45	208.17	1.7169
5	5e+12	NDD Unbiased	205.93	206.43	0.5039
6	5e+12	NDD Unbiased	208.73	209.61	0.8854
7	5e+12	NDD Unbiased	208.85	208.42	-0.4334
8	5e+12	NDD Unbiased	210.7	210.01	-0.689
9	1e+13	NDD Unbiased	209.97	208.71	-1.2613
10	1e+13	NDD Unbiased	207.86	208.76	0.9028
11	1e+13	NDD Unbiased	209.14	207.87	-1.2702
12	1e+13	NDD Unbiased	206.32	205.69	-0.6299
53	0	Correlation	209.19	210.51	1.3179
54	0	Correlation	206.93	209.14	2.2093

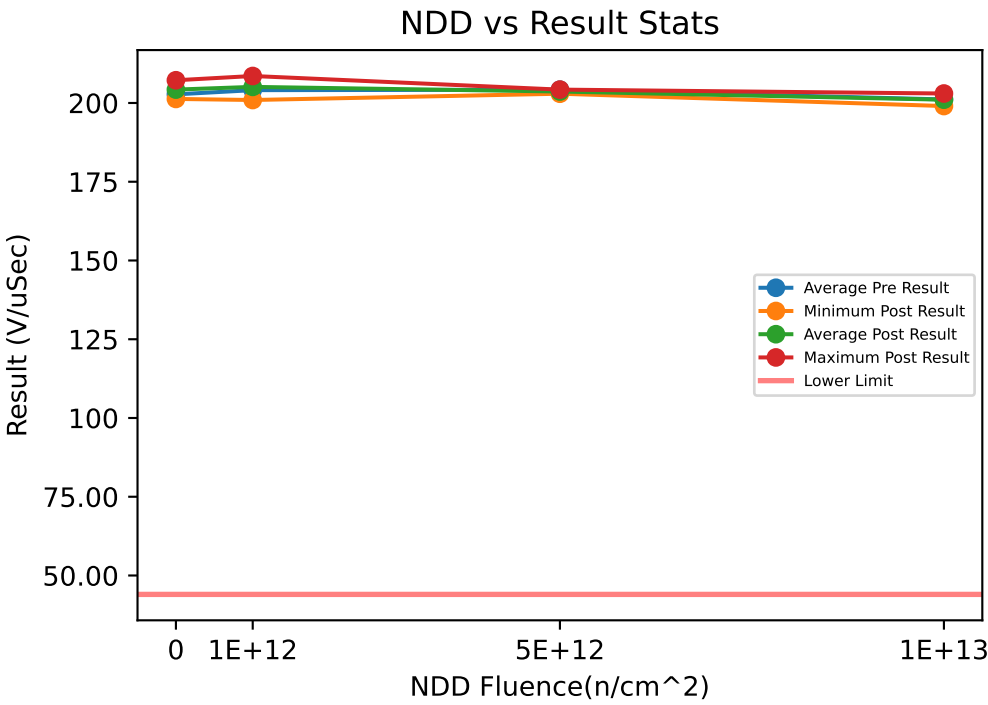
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

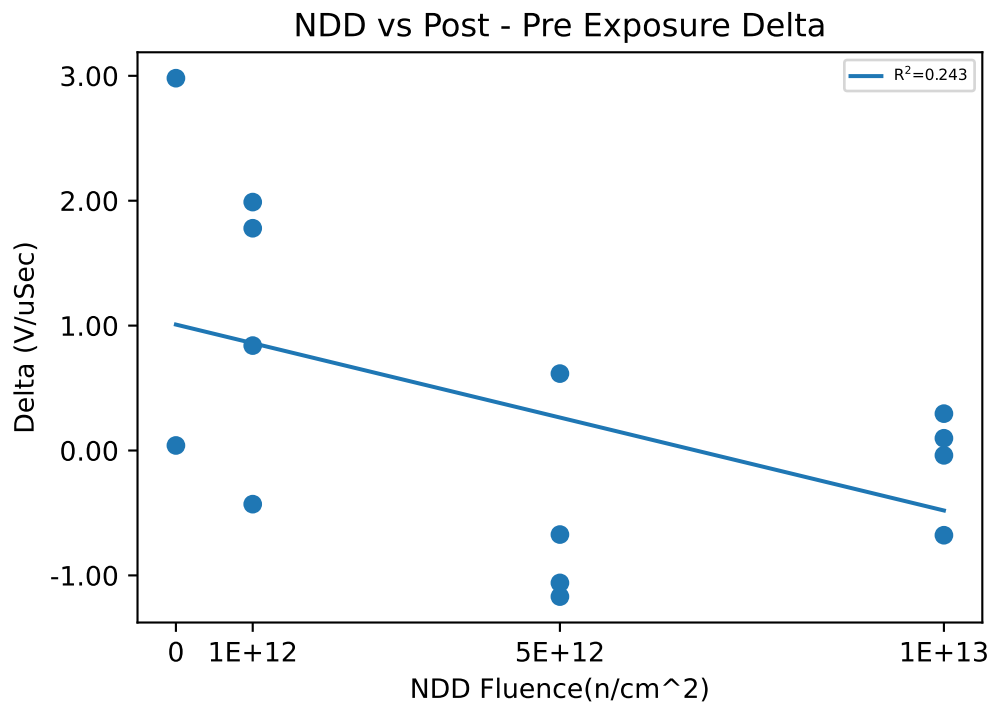
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	206.93	208.06	209.19	1.6011	209.14	209.82	210.51	0.97079	1.3179	1.7636	2.2093	0.63031
1e+12	206.45	209.64	214.37	3.5664	206.3	210.18	214.37	3.6318	-1.0755	0.5378	1.7169	1.3173
5e+12	205.93	208.55	210.7	1.9679	206.43	208.62	210.01	1.6066	-0.689	0.066725	0.8854	0.74891
1e+13	206.32	208.32	209.97	1.5946	205.69	207.76	208.76	1.4399	-1.2702	-0.56465	0.9028	1.0232

Device Test: 16.44 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN2/7/14/0/0/0/@EN_SLEW_RATE_FALL)



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	208.55	208.12	-0.4296
2	1e+12	NDD Unbiased	207.73	208.57	0.8401
3	1e+12	NDD Unbiased	199.17	200.95	1.7796
4	1e+12	NDD Unbiased	200.84	202.83	1.9891
5	5e+12	NDD Unbiased	202.33	202.94	0.6158
6	5e+12	NDD Unbiased	205.42	204.25	-1.1697
7	5e+12	NDD Unbiased	204.37	203.7	-0.6729
8	5e+12	NDD Unbiased	204.72	203.66	-1.0601
9	1e+13	NDD Unbiased	203.69	203.01	-0.6784
10	1e+13	NDD Unbiased	200.7	200.8	0.0981
11	1e+13	NDD Unbiased	201.04	201.33	0.2952
12	1e+13	NDD Unbiased	199.07	199.03	-0.0388
53	0	Correlation	204.23	207.21	2.981
54	0	Correlation	201.25	201.29	0.0404

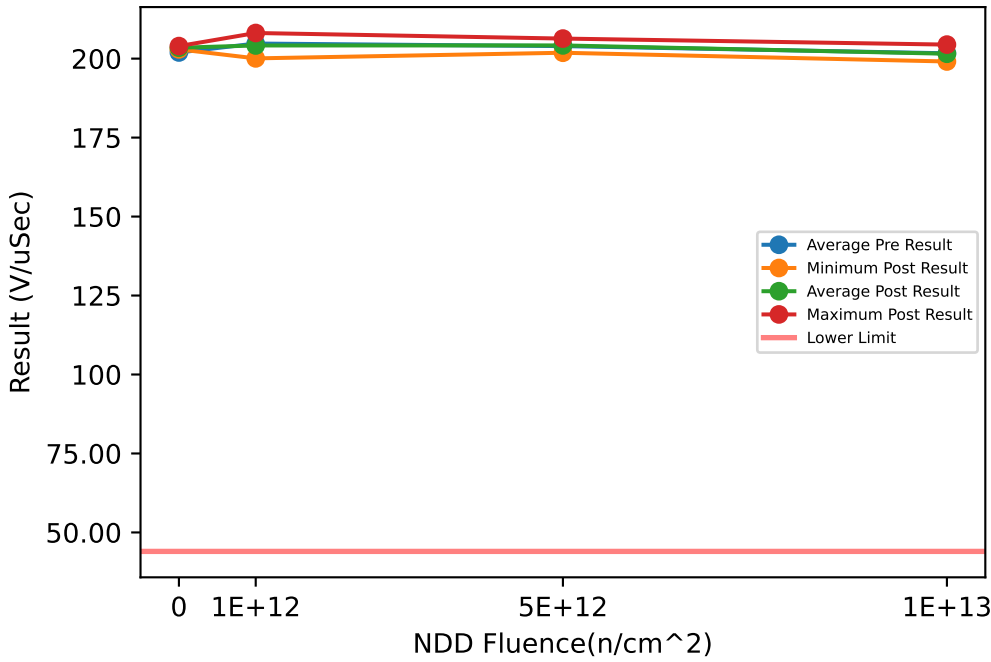


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	201.25	202.74	204.23	2.1126	201.29	204.25	207.21	4.1919	0.0404	1.5107	2.981	2.0793
1e+12	199.17	204.07	208.55	4.7587	200.95	205.11	208.57	3.8108	-0.4296	1.0448	1.9891	1.1026
5e+12	202.33	204.21	205.42	1.3289	202.94	203.64	204.25	0.5354	-1.1697	-0.57173	0.6158	0.81987
1e+13	199.07	201.12	203.69	1.9117	199.03	201.04	203.01	1.6378	-0.6784	-0.080975	0.2952	0.42122

Device Test: 16.45 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN3/7/14/0/0/0/@EN_SLEW_RATE_FALL)

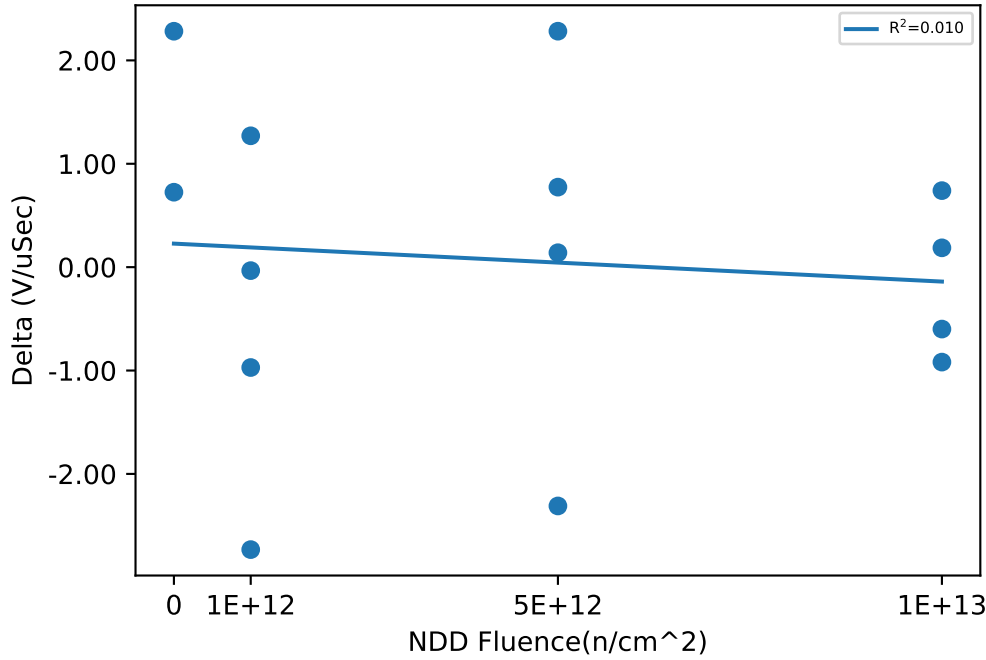
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	209.55	206.82	-2.7321
2	1e+12	NDD Unbiased	206.84	208.11	1.2706
3	1e+12	NDD Unbiased	201.05	200.08	-0.9708
4	1e+12	NDD Unbiased	201.67	201.64	-0.0335
5	5e+12	NDD Unbiased	201.72	201.86	0.1396
6	5e+12	NDD Unbiased	204.57	205.34	0.774
7	5e+12	NDD Unbiased	205.49	203.18	-2.3099
8	5e+12	NDD Unbiased	204.07	206.35	2.2824
9	1e+13	NDD Unbiased	203.7	204.44	0.7403
10	1e+13	NDD Unbiased	202.88	201.96	-0.9184
11	1e+13	NDD Unbiased	201.27	200.68	-0.5989
12	1e+13	NDD Unbiased	198.9	199.09	0.1869
53	0	Correlation	203.24	203.97	0.7249
54	0	Correlation	200.65	202.93	2.282

NDD vs Post - Pre Exposure Delta

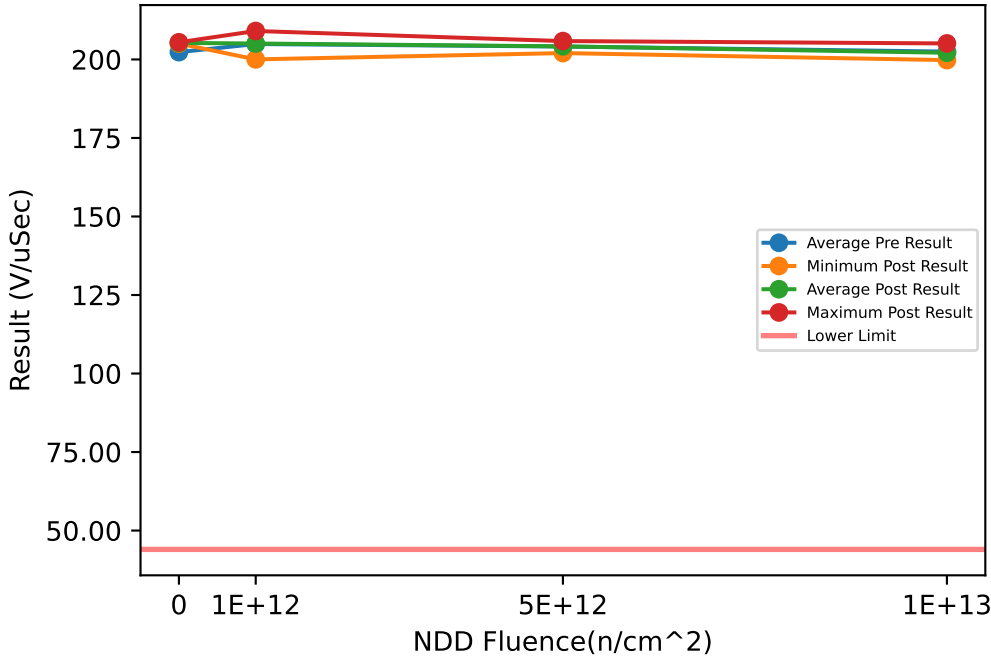


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	200.65	201.95	203.24	1.8314	202.93	203.45	203.97	0.73037	0.7249	1.5035	2.282	1.101
1e+12	201.05	204.78	209.55	4.1067	200.08	204.16	208.11	3.9038	-2.7321	-0.61645	1.2706	1.6835
5e+12	201.72	203.96	205.49	1.6053	201.86	204.18	206.35	2.0352	-2.3099	0.22152	2.2824	1.912
1e+13	198.9	201.69	203.7	2.1132	199.09	201.54	204.44	2.2613	-0.9184	-0.14752	0.7403	0.75234

Device Test: 16.46 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN4/7/14/0/0/0/@EN_SLEW_RATE_FALL)

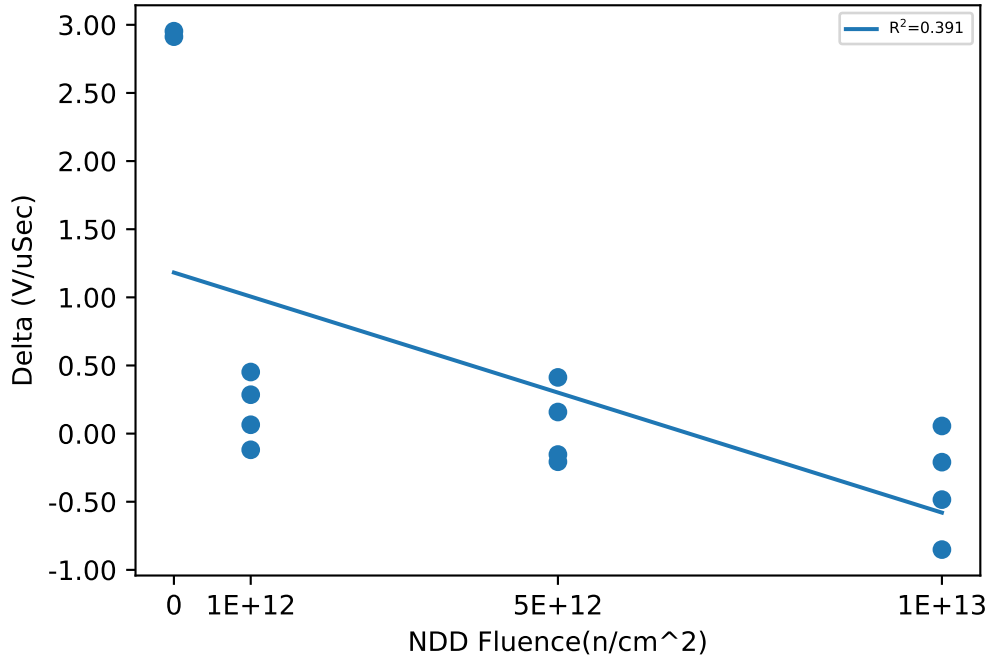
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	208.99	209.06	0.065
2	1e+12	NDD Unbiased	209.1	208.98	-0.1188
3	1e+12	NDD Unbiased	199.74	200.02	0.2855
4	1e+12	NDD Unbiased	201.8	202.25	0.452
5	5e+12	NDD Unbiased	202.18	202.03	-0.1535
6	5e+12	NDD Unbiased	205.69	205.85	0.1585
7	5e+12	NDD Unbiased	203.5	203.29	-0.2065
8	5e+12	NDD Unbiased	205.09	205.5	0.4125
9	1e+13	NDD Unbiased	205.95	205.1	-0.8512
10	1e+13	NDD Unbiased	202.6	202.65	0.0561
11	1e+13	NDD Unbiased	201.45	200.96	-0.4844
12	1e+13	NDD Unbiased	200	199.79	-0.2095
53	0	Correlation	202.51	205.46	2.9532
54	0	Correlation	202.15	205.06	2.913

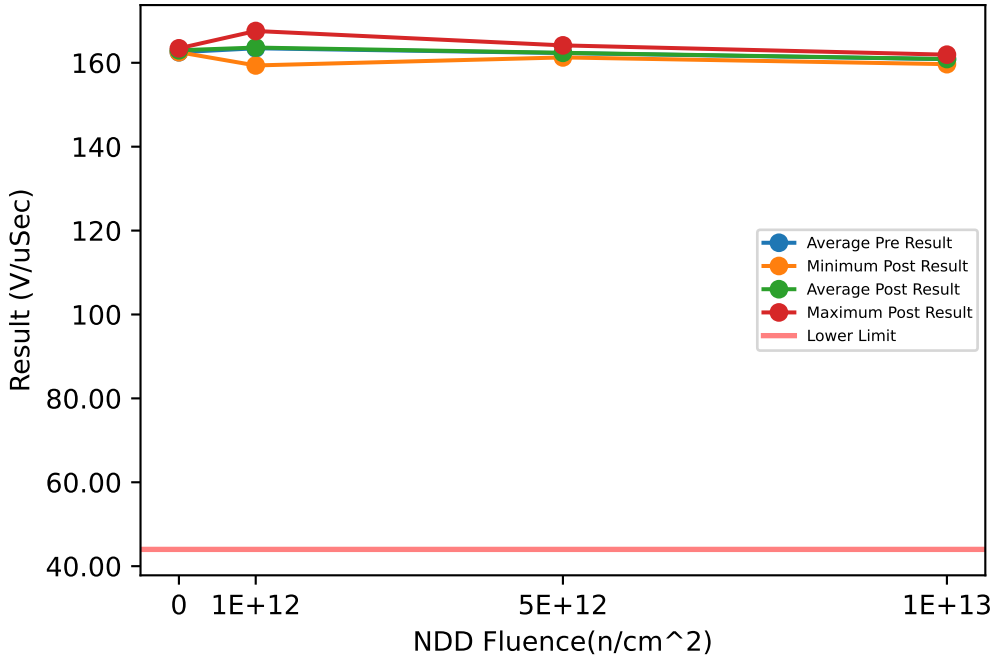
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	202.15	202.33	202.51	0.25654	205.06	205.26	205.46	0.28496	2.913	2.9331	2.9532	0.028426
1e+12	199.74	204.91	209.1	4.8553	200.02	205.08	209.06	4.6432	-0.1188	0.17093	0.452	0.24986
5e+12	202.18	204.11	205.69	1.5872	202.03	204.17	205.85	1.8222	-0.2065	0.05275	0.4125	0.28888
1e+13	200	202.5	205.95	2.5367	199.79	202.13	205.1	2.3062	-0.8512	-0.37225	0.0561	0.38813

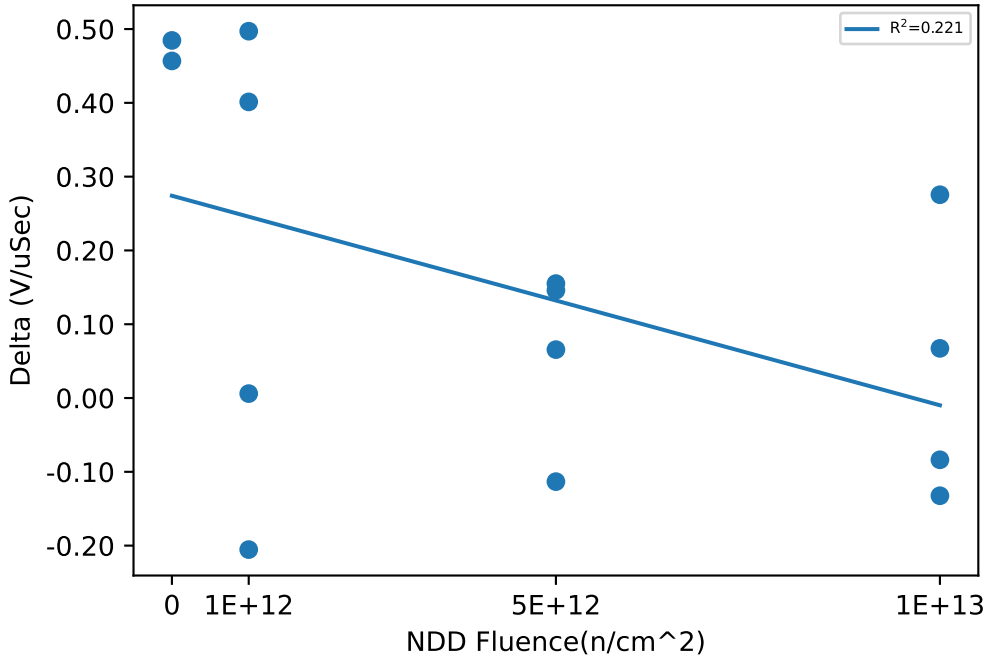
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	166.59	167.09	0.4971
2	1e+12	NDD Unbiased	167.78	167.58	-0.2054
3	1e+12	NDD Unbiased	158.96	159.37	0.4013
4	1e+12	NDD Unbiased	160.48	160.49	0.006
5	5e+12	NDD Unbiased	161.52	161.59	0.0656
6	5e+12	NDD Unbiased	164.26	164.15	-0.1133
7	5e+12	NDD Unbiased	161.13	161.28	0.146
8	5e+12	NDD Unbiased	162.34	162.5	0.1551
9	1e+13	NDD Unbiased	161.86	161.93	0.0673
10	1e+13	NDD Unbiased	160.8	161.07	0.2755
11	1e+13	NDD Unbiased	161.03	160.9	-0.1324
12	1e+13	NDD Unbiased	159.75	159.67	-0.0837
53	0	Correlation	162.99	163.45	0.4568
54	0	Correlation	162.04	162.52	0.4846

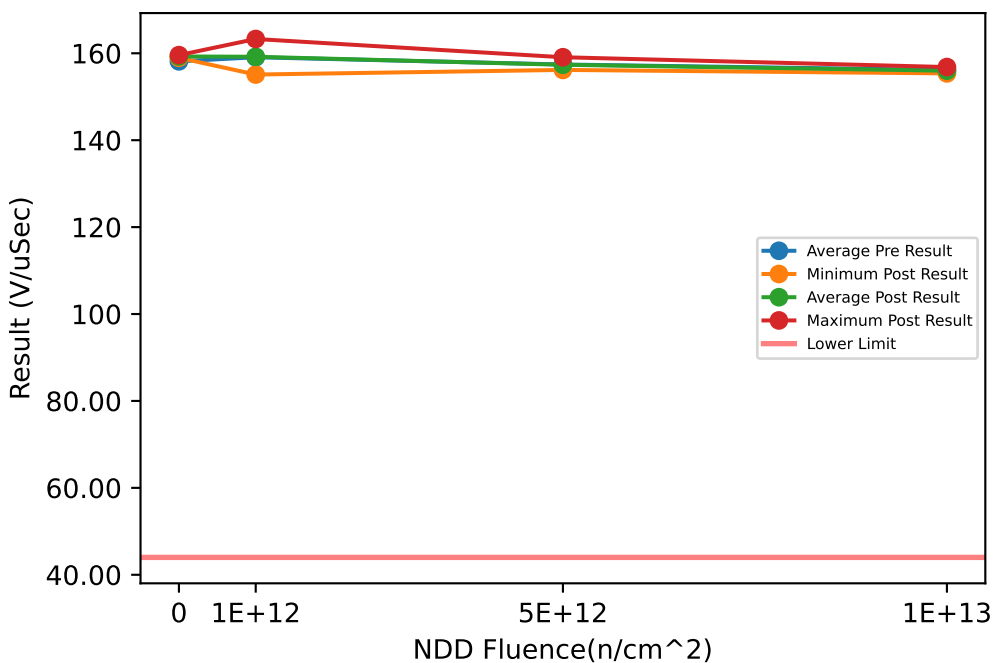
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	162.04	162.52	162.99	0.67196	162.52	162.99	163.45	0.65231	0.4568	0.4707	0.4846	0.019658
1e+12	158.96	163.46	167.78	4.3817	159.37	163.63	167.58	4.3061	-0.2054	0.17475	0.4971	0.33077
5e+12	161.13	162.31	164.26	1.3932	161.28	162.38	164.15	1.2893	-0.1133	0.06335	0.1551	0.12444
1e+13	159.75	160.86	161.86	0.86855	159.67	160.89	161.93	0.93167	-0.1324	0.031675	0.2755	0.18344

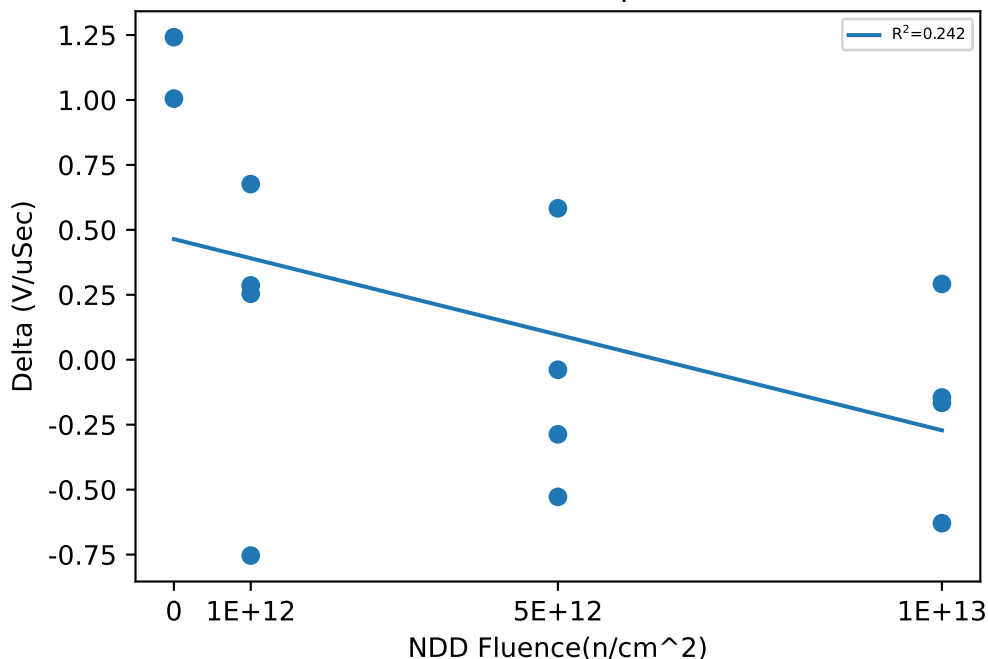
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	163.14	162.38	-0.754
2	1e+12	NDD Unbiased	162.61	163.29	0.6761
3	1e+12	NDD Unbiased	155.74	156.03	0.2861
4	1e+12	NDD Unbiased	154.85	155.11	0.254
5	5e+12	NDD Unbiased	156.04	156.63	0.5829
6	5e+12	NDD Unbiased	159.13	159.09	-0.0386
7	5e+12	NDD Unbiased	156.7	156.17	-0.5279
8	5e+12	NDD Unbiased	157.81	157.52	-0.2871
9	1e+13	NDD Unbiased	156.21	156.06	-0.1453
10	1e+13	NDD Unbiased	157	156.83	-0.1661
11	1e+13	NDD Unbiased	156.33	155.7	-0.6292
12	1e+13	NDD Unbiased	155.08	155.37	0.2917
53	0	Correlation	157.72	158.96	1.2416
54	0	Correlation	158.57	159.57	1.0051

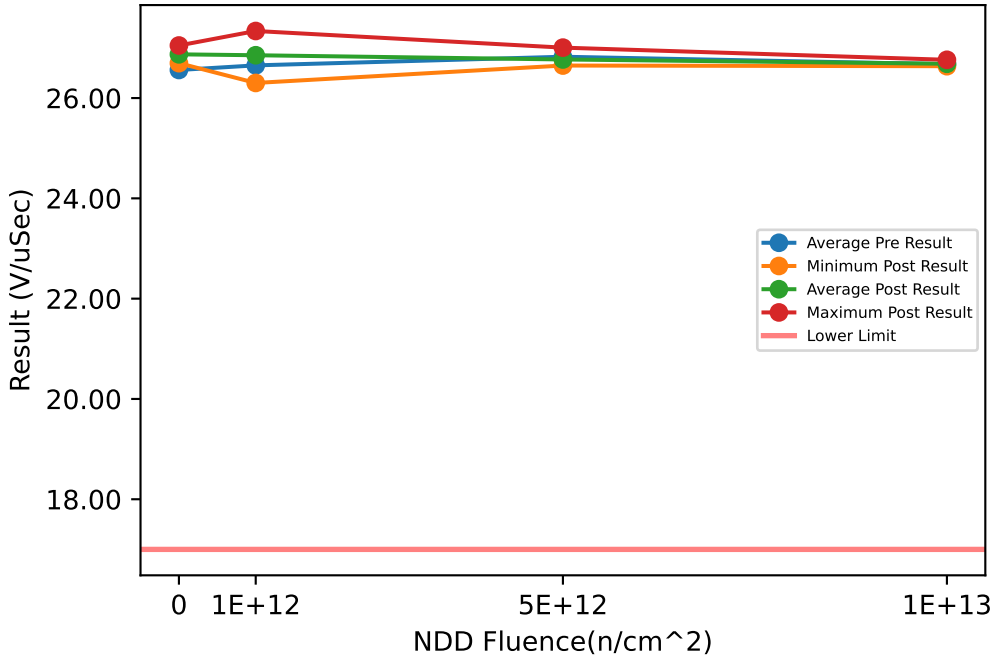
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	157.72	158.15	158.57	0.59934	158.96	159.27	159.57	0.43211	1.0051	1.1234	1.2416	0.16723
1e+12	154.85	159.08	163.14	4.3947	155.11	159.2	163.29	4.229	-0.754	0.11555	0.6761	0.61063
5e+12	156.04	157.42	159.13	1.3515	156.17	157.35	159.09	1.2868	-0.5279	-0.067675	0.5829	0.47751
1e+13	155.08	156.15	157	0.79536	155.37	155.99	156.83	0.6276	-0.6292	-0.16223	0.2917	0.37613

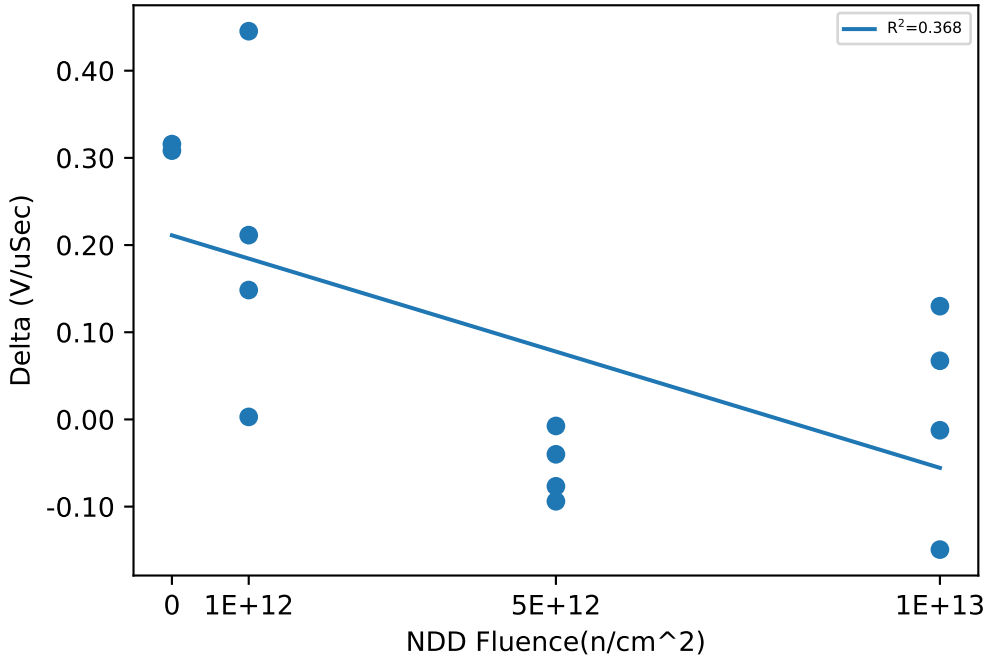
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	26.892	27.337	0.4453
2	1e+12	NDD Unbiased	27.185	27.188	0.0029
3	1e+12	NDD Unbiased	26.153	26.301	0.1484
4	1e+12	NDD Unbiased	26.377	26.589	0.2114
5	5e+12	NDD Unbiased	26.689	26.648	-0.04
6	5e+12	NDD Unbiased	26.757	26.663	-0.0939
7	5e+12	NDD Unbiased	27.013	27.006	-0.0075
8	5e+12	NDD Unbiased	26.837	26.761	-0.0767
9	1e+13	NDD Unbiased	26.633	26.763	0.1299
10	1e+13	NDD Unbiased	26.648	26.635	-0.0124
11	1e+13	NDD Unbiased	26.794	26.645	-0.1493
12	1e+13	NDD Unbiased	26.625	26.693	0.0673
53	0	Correlation	26.38	26.696	0.3158
54	0	Correlation	26.74	27.048	0.3083

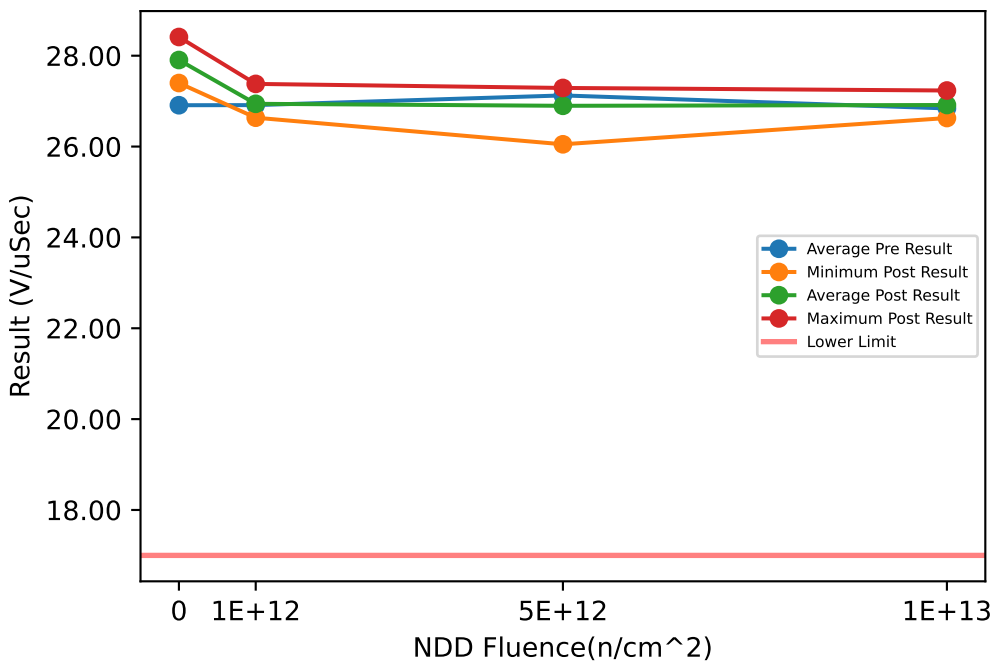
NDD vs Post - Pre Exposure Delta



Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	26.38	26.56	26.74	0.25428	26.696	26.872	27.048	0.24897	0.3083	0.31205	0.3158	0.0053033
1e+12	26.153	26.652	27.185	0.47111	26.301	26.854	27.337	0.49009	0.0029	0.202	0.4453	0.18421
5e+12	26.689	26.824	27.013	0.13992	26.648	26.769	27.006	0.16504	-0.0939	-0.054525	-0.0075	0.038577
1e+13	26.625	26.675	26.794	0.079785	26.635	26.684	26.763	0.058386	-0.1493	0.008875	0.1299	0.12046

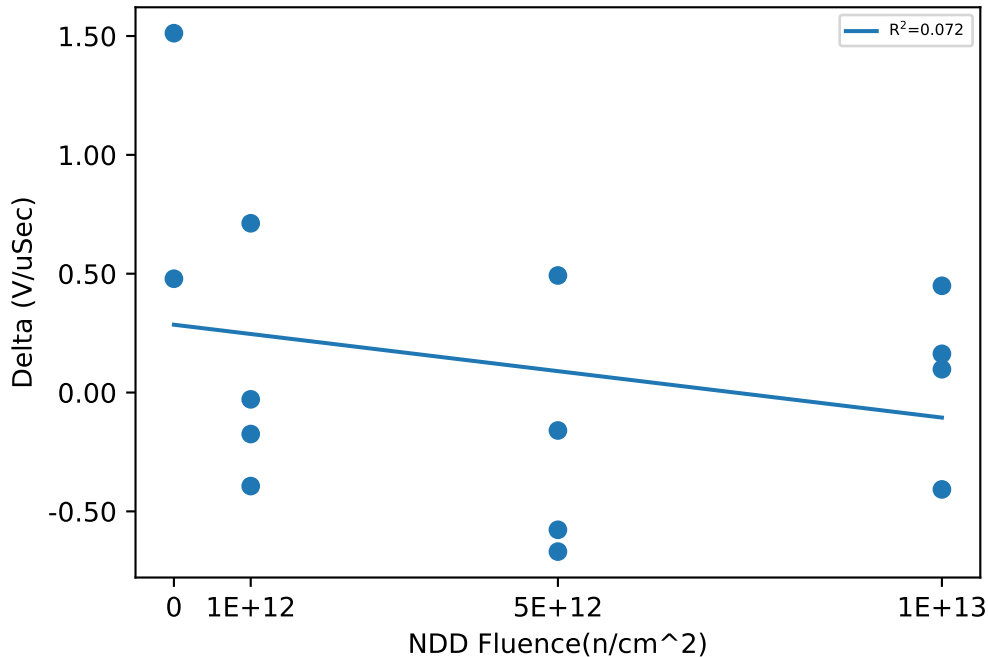
NDD vs Result Stats



Test Results (Lower Limit = 17.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	27.425	27.032	-0.3935
2	1e+12	NDD Unbiased	27.554	27.379	-0.1746
3	1e+12	NDD Unbiased	26.006	26.718	0.7121
4	1e+12	NDD Unbiased	26.664	26.635	-0.0286
5	5e+12	NDD Unbiased	26.719	26.05	-0.6692
6	5e+12	NDD Unbiased	26.798	27.29	0.4925
7	5e+12	NDD Unbiased	27.767	27.19	-0.5775
8	5e+12	NDD Unbiased	27.219	27.059	-0.1596
9	1e+13	NDD Unbiased	26.754	26.917	0.1629
10	1e+13	NDD Unbiased	26.782	26.88	0.098
11	1e+13	NDD Unbiased	26.785	27.234	0.4491
12	1e+13	NDD Unbiased	27.036	26.628	-0.4076
53	0	Correlation	26.92	27.398	0.4788
54	0	Correlation	26.9	28.412	1.5119

NDD vs Post - Pre Exposure Delta

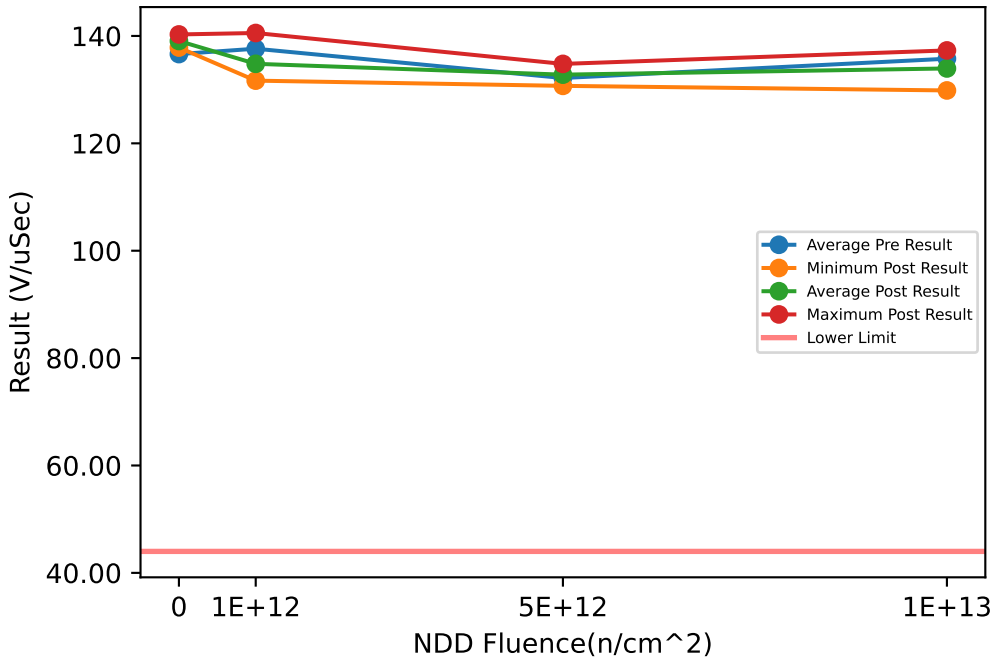


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	26.9	26.91	26.92	0.014001	27.398	27.905	28.412	0.71651	0.4788	0.99535	1.5119	0.73051
1e+12	26.006	26.912	27.554	0.72074	26.635	26.941	27.379	0.33842	-0.3935	0.02885	0.7121	0.47955
5e+12	26.719	27.126	27.767	0.48074	26.05	26.897	27.29	0.57291	-0.6692	-0.22845	0.4925	0.52934
1e+13	26.754	26.839	27.036	0.13175	26.628	26.915	27.234	0.24848	-0.4076	0.0756	0.4491	0.35642

Device Test: 16.7 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN1/1.6/3/0/0/0/@EN_SLEW_RATE_FALL)

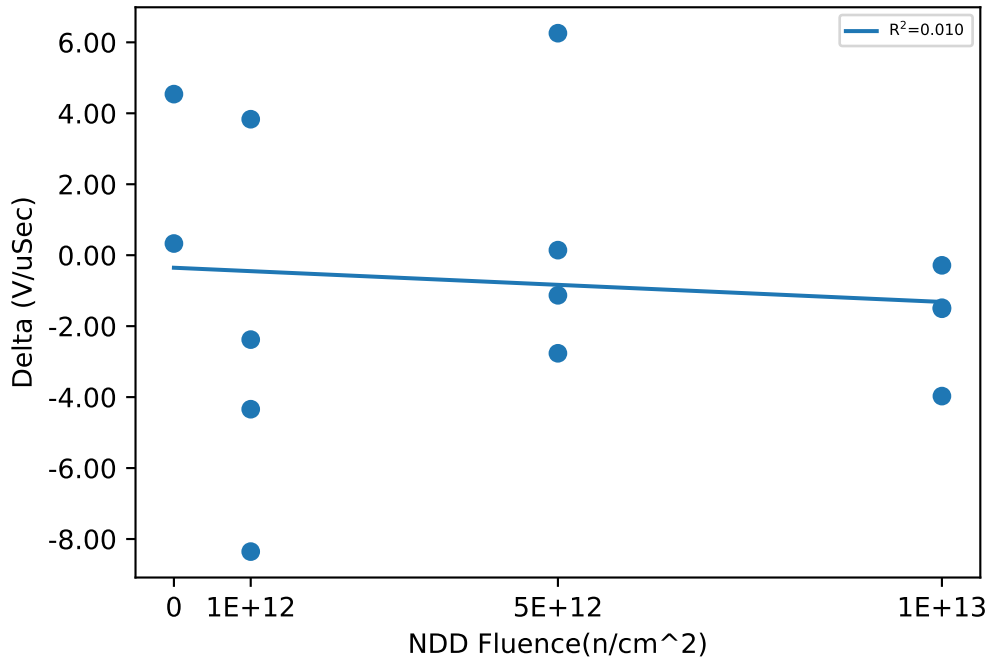
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	141.59	133.24	-8.3544
2	1e+12	NDD Unbiased	136.72	140.55	3.8327
3	1e+12	NDD Unbiased	136.02	131.68	-4.3411
4	1e+12	NDD Unbiased	136.16	133.78	-2.3792
5	5e+12	NDD Unbiased	128.54	134.79	6.2573
6	5e+12	NDD Unbiased	134.74	131.98	-2.7649
7	5e+12	NDD Unbiased	133.55	133.69	0.1422
8	5e+12	NDD Unbiased	131.84	130.71	-1.1306
9	1e+13	NDD Unbiased	136.58	135.1	-1.4809
10	1e+13	NDD Unbiased	137.59	137.3	-0.2854
11	1e+13	NDD Unbiased	133.82	129.85	-3.9717
12	1e+13	NDD Unbiased	135.04	133.53	-1.5093
53	0	Correlation	133.3	137.84	4.5399
54	0	Correlation	139.95	140.28	0.3291

NDD vs Post - Pre Exposure Delta

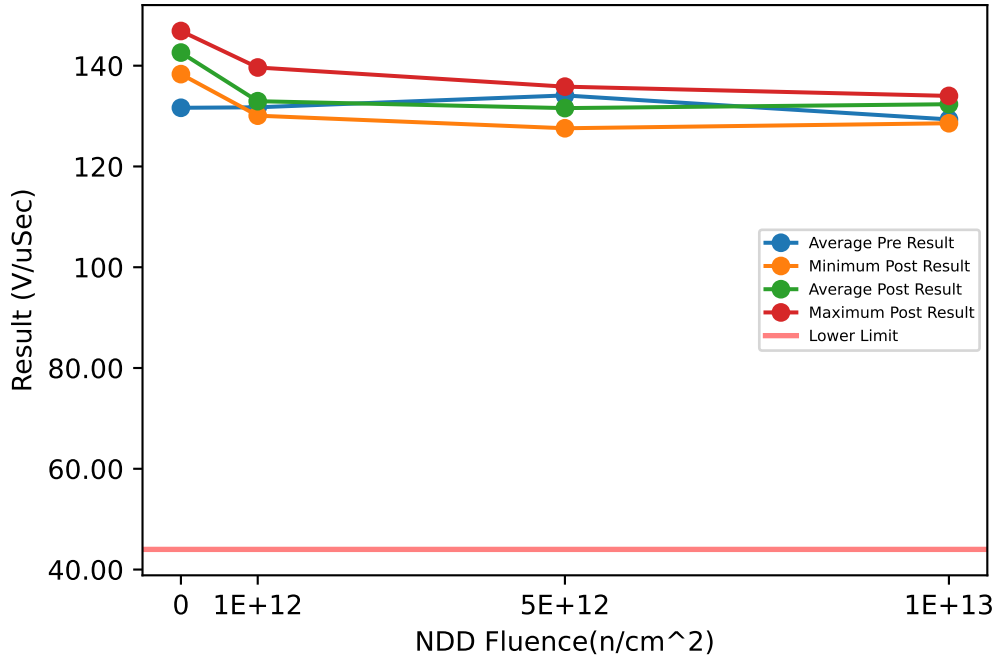


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	133.3	136.63	139.95	4.703	137.84	139.06	140.28	1.7256	0.3291	2.4345	4.5399	2.9775
1e+12	136.02	137.62	141.59	2.6649	131.68	134.81	140.55	3.9282	-8.3544	-2.8105	3.8327	5.0792
5e+12	128.54	132.17	134.74	2.6977	130.71	132.79	134.79	1.81	-2.7649	0.626	6.2573	3.9383
1e+13	133.82	135.76	137.59	1.6617	129.85	133.95	137.3	3.1378	-3.9717	-1.8118	-0.2854	1.5488

Device Test: 16.8 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN2/1.6/3/0/0/0/@EN_SLEW_RATE_FALL)

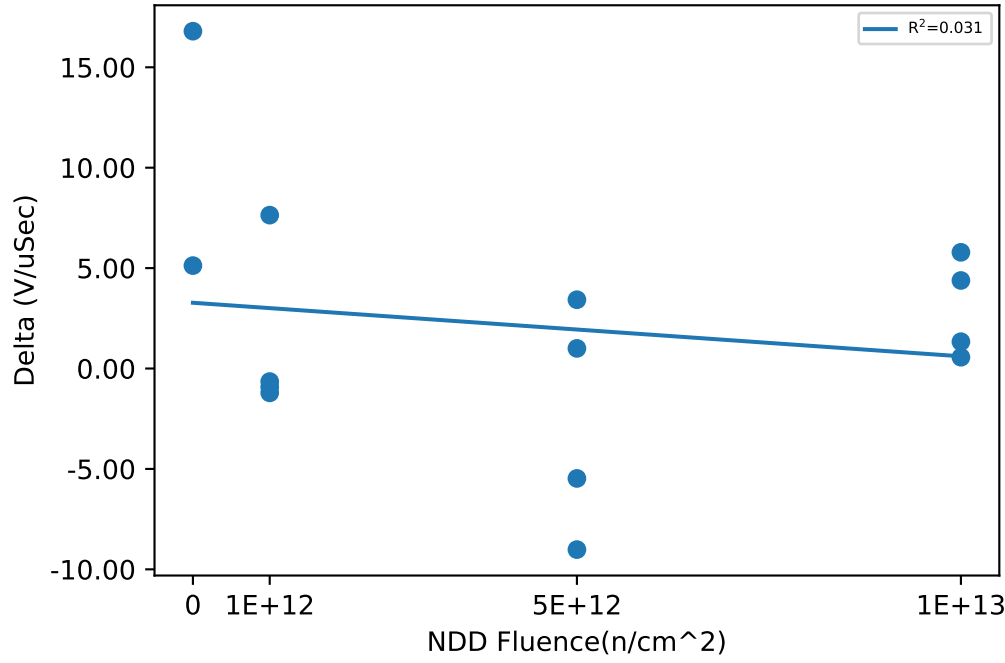
NDD vs Result Stats



Test Results (Lower Limit = 44.0 (V/uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	132.01	139.64	7.6376
2	1e+12	NDD Unbiased	132.52	131.6	-0.9234
3	1e+12	NDD Unbiased	130.73	130.08	-0.6491
4	1e+12	NDD Unbiased	131.71	130.5	-1.2119
5	5e+12	NDD Unbiased	127.13	130.56	3.4258
6	5e+12	NDD Unbiased	136.6	127.58	-9.0169
7	5e+12	NDD Unbiased	134.84	135.84	1.0024
8	5e+12	NDD Unbiased	137.82	132.35	-5.4734
9	1e+13	NDD Unbiased	132.04	133.38	1.3357
10	1e+13	NDD Unbiased	129.62	134	4.3842
11	1e+13	NDD Unbiased	128.01	128.57	0.5616
12	1e+13	NDD Unbiased	127.67	133.46	5.7864
53	0	Correlation	130.09	146.89	16.797
54	0	Correlation	133.2	138.33	5.1257

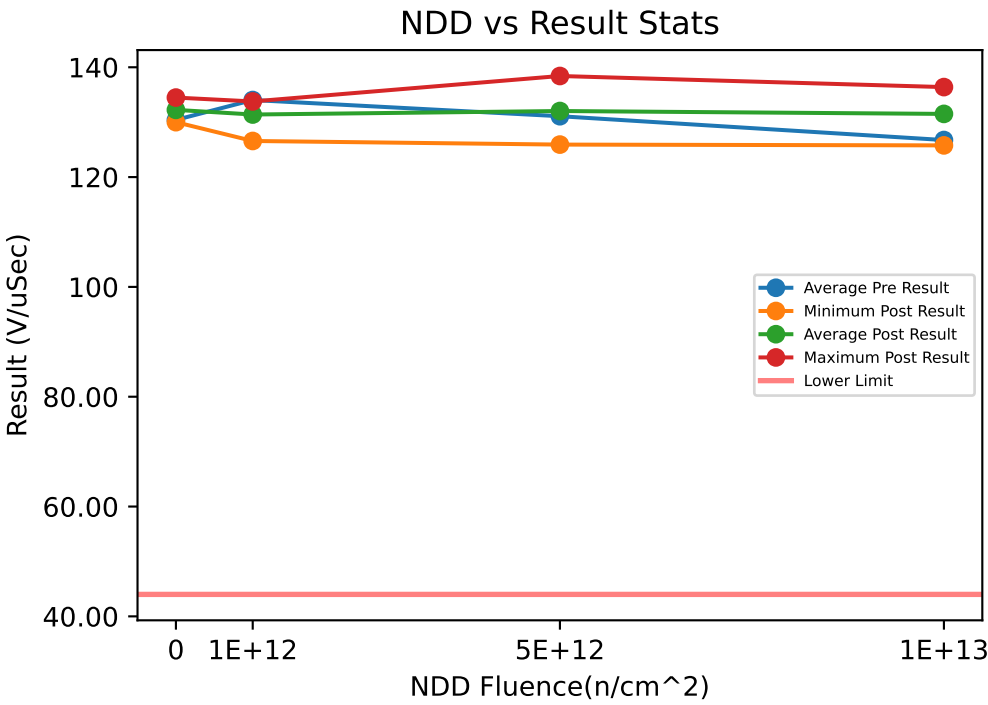
NDD vs Post - Pre Exposure Delta



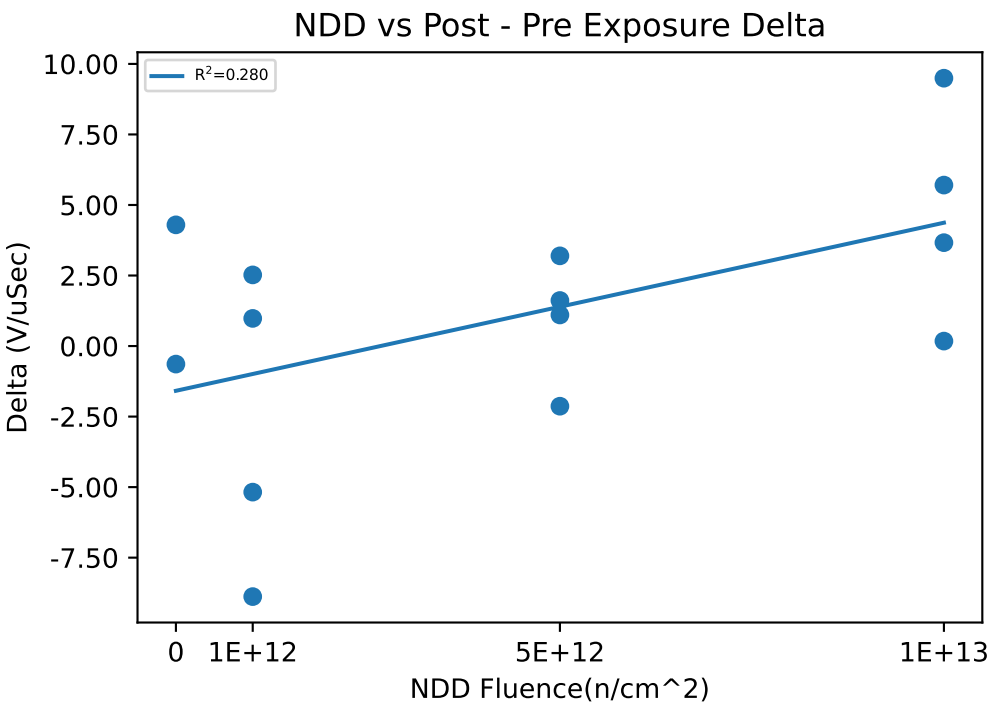
Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	130.09	131.64	133.2	2.2009	138.33	142.61	146.89	6.0519	5.1257	10.961	16.797	8.2529
1e+12	130.73	131.74	132.52	0.75312	130.08	132.95	139.64	4.5045	-1.2119	1.2133	7.6376	4.289
5e+12	127.13	134.1	137.82	4.8026	127.58	131.58	135.84	3.4535	-9.0169	-2.5155	3.4258	5.7356
1e+13	127.67	129.34	132.04	1.9945	128.57	132.35	134	2.5339	0.5616	3.017	5.7864	2.4762

Device Test: 16.9 EN_SLEW_RATE_FALL(_LEVEL|FALL/EN3/1.6/3/0/0/0/@EN_SLEW_RATE_FALL)



Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	138.95	133.77	-5.1773
2	1e+12	NDD Unbiased	129	131.52	2.5218
3	1e+12	NDD Unbiased	135.46	126.58	-8.8804
4	1e+12	NDD Unbiased	132.72	133.7	0.9801
5	5e+12	NDD Unbiased	124.82	125.92	1.1021
6	5e+12	NDD Unbiased	136.8	138.41	1.6146
7	5e+12	NDD Unbiased	131.9	135.1	3.1971
8	5e+12	NDD Unbiased	130.83	128.7	-2.1323
9	1e+13	NDD Unbiased	125.6	125.77	0.1756
10	1e+13	NDD Unbiased	130.68	136.39	5.7054
11	1e+13	NDD Unbiased	125.02	134.51	9.4938
12	1e+13	NDD Unbiased	125.68	129.35	3.6646
53	0	Correlation	135.12	134.48	-0.6394
54	0	Correlation	125.7	130	4.2958

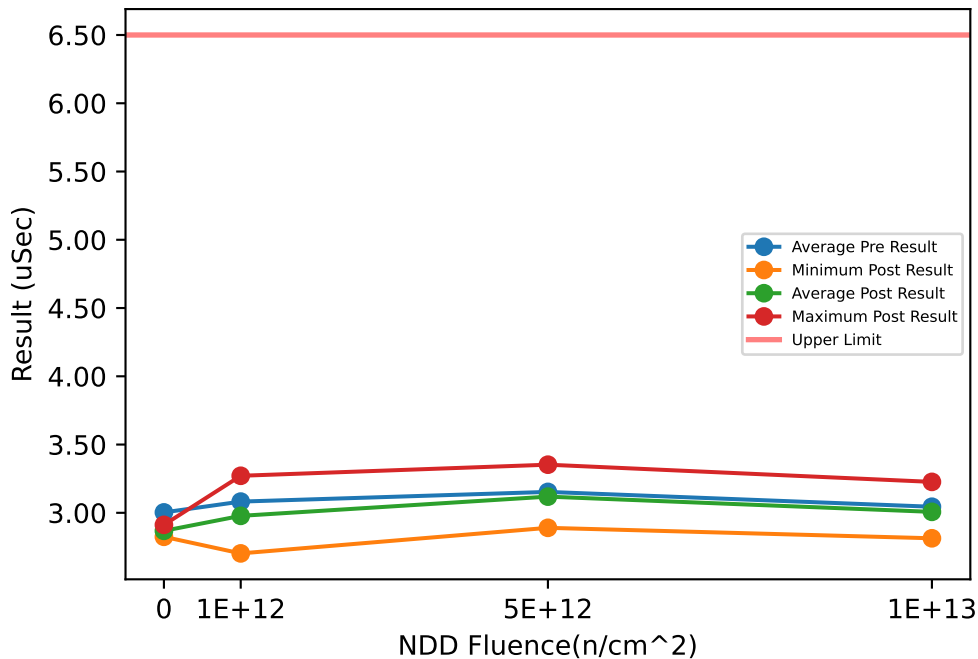


Test Statistics (V/uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	125.7	130.41	135.12	6.6575	130	132.24	134.48	3.1678	-0.6394	1.8282	4.2958	3.4897
1e+12	129	134.03	138.95	4.2132	126.58	131.39	133.77	3.3772	-8.8804	-2.6389	2.5218	5.327
5e+12	124.82	131.09	136.8	4.9203	125.92	132.03	138.41	5.7317	-2.1323	0.94537	3.1971	2.2372
1e+13	125.02	126.75	130.68	2.6418	125.77	131.51	136.39	4.8452	0.1756	4.7599	9.4938	3.8953

Device Test: 17.1 TPD_EN(_DELAY|STEP_UP/EN1/1.6/3/0/0/0/@TPD_EN)

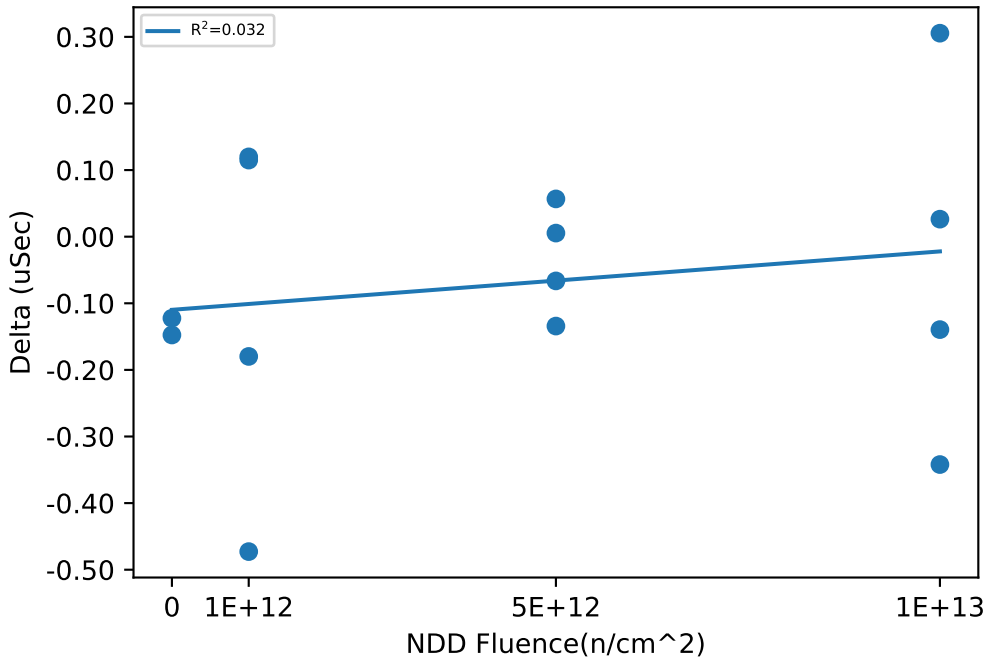
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.9133	3.0283	0.115
2	1e+12	NDD Unbiased	3.3814	2.9086	-0.4728
3	1e+12	NDD Unbiased	3.1514	3.2712	0.1198
4	1e+12	NDD Unbiased	2.8825	2.7027	-0.1798
5	5e+12	NDD Unbiased	3.1721	3.1057	-0.0664
6	5e+12	NDD Unbiased	3.2958	3.3525	0.0567
7	5e+12	NDD Unbiased	3.0242	2.89	-0.1342
8	5e+12	NDD Unbiased	3.1204	3.1258	0.0054
9	1e+13	NDD Unbiased	3.1227	3.149	0.0263
10	1e+13	NDD Unbiased	2.921	3.2265	0.3055
11	1e+13	NDD Unbiased	3.1555	2.8134	-0.3421
12	1e+13	NDD Unbiased	2.9786	2.8391	-0.1395
53	0	Correlation	2.9719	2.8243	-0.1476
54	0	Correlation	3.0341	2.9117	-0.1224

NDD vs Post - Pre Exposure Delta

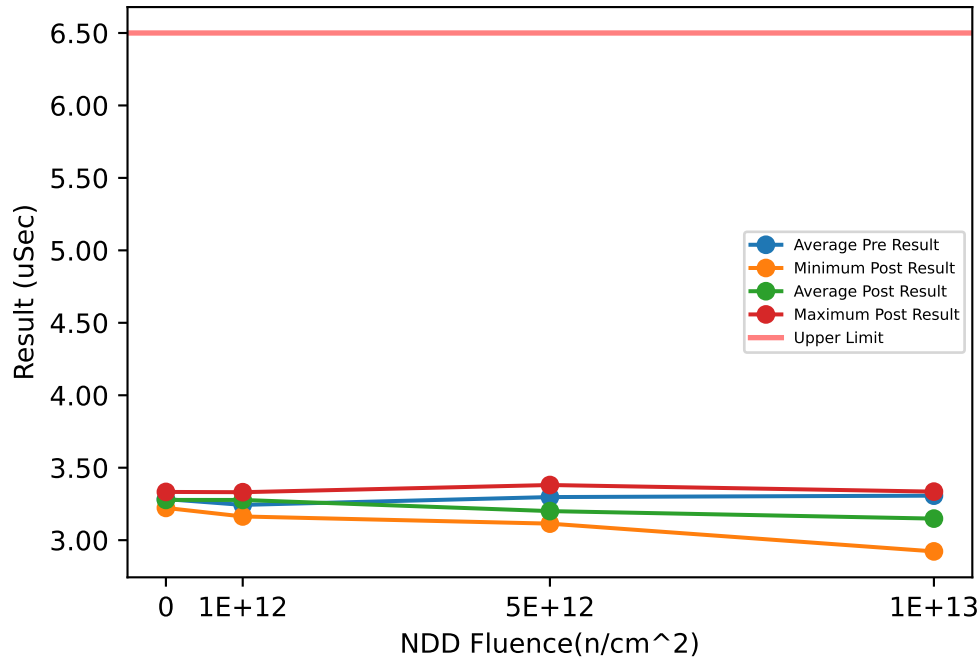


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9719	3.003	3.0341	0.043982	2.8243	2.868	2.9117	0.061801	-0.1476	-0.135	-0.1224	0.017819
1e+12	2.8825	3.0821	3.3814	0.23289	2.7027	2.9777	3.2712	0.23742	-0.4728	-0.10445	0.1198	0.28273
5e+12	3.0242	3.1531	3.2958	0.11315	2.89	3.1185	3.3525	0.18902	-0.1342	-0.034625	0.0567	0.083401
1e+13	2.921	3.0444	3.1555	0.11259	2.8134	3.007	3.2265	0.21136	-0.3421	-0.03745	0.3055	0.2738

Device Test: 17.10 TPD_EN(_DELAY|STEP_DOWN/EN4/1.6/3/0/0/0/@TPD_EN)

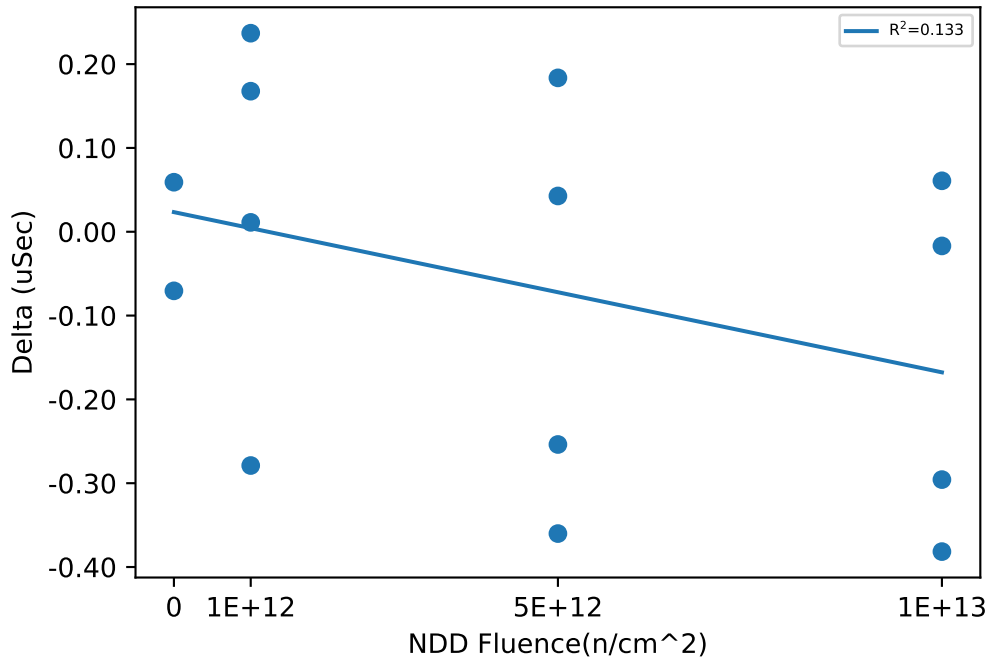
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1633	3.331	0.1677
2	1e+12	NDD Unbiased	3.5757	3.2968	-0.2789
3	1e+12	NDD Unbiased	3.0818	3.3187	0.2369
4	1e+12	NDD Unbiased	3.1524	3.1636	0.0112
5	5e+12	NDD Unbiased	3.3679	3.1141	-0.2538
6	5e+12	NDD Unbiased	3.0018	3.1854	0.1836
7	5e+12	NDD Unbiased	3.3379	3.3806	0.0427
8	5e+12	NDD Unbiased	3.4823	3.1222	-0.3601
9	1e+13	NDD Unbiased	3.2742	3.335	0.0608
10	1e+13	NDD Unbiased	3.2918	3.2749	-0.0169
11	1e+13	NDD Unbiased	3.3041	2.9225	-0.3816
12	1e+13	NDD Unbiased	3.3585	3.0628	-0.2957
53	0	Correlation	3.1635	3.2226	0.0591
54	0	Correlation	3.4034	3.3329	-0.0705

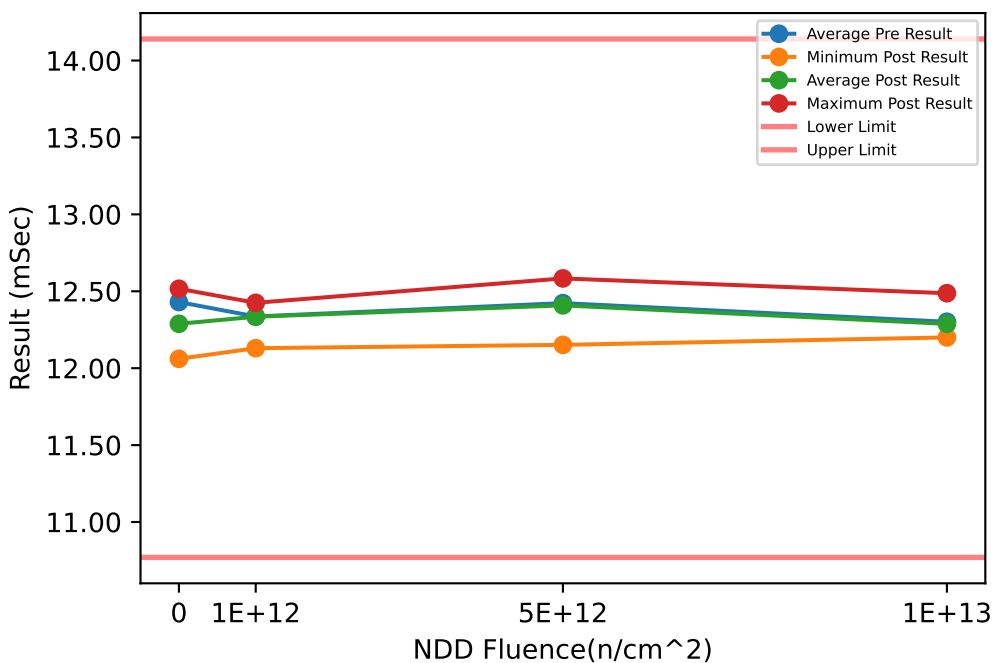
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1635	3.2835	3.4034	0.16963	3.2226	3.2778	3.3329	0.077994	-0.0705	-0.0057	0.0591	0.091641
1e+12	3.0818	3.2433	3.5757	0.22453	3.1636	3.2775	3.331	0.077256	-0.2789	0.034225	0.2369	0.22911
5e+12	3.0018	3.2975	3.4823	0.2067	3.1141	3.2006	3.3806	0.12418	-0.3601	-0.0969	0.1836	0.25302
1e+13	3.2742	3.3072	3.3585	0.036366	2.9225	3.1488	3.335	0.19077	-0.3816	-0.15835	0.0608	0.2135

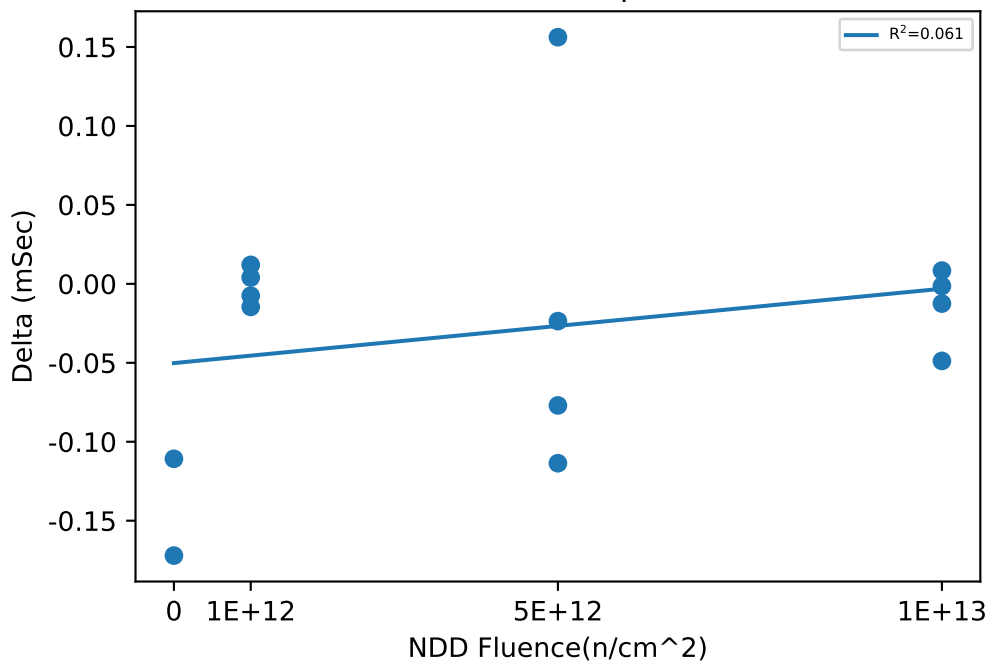
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.412	12.416	0.004
2	1e+12	NDD Unbiased	12.44	12.425	-0.0146
3	1e+12	NDD Unbiased	12.356	12.368	0.012
4	1e+12	NDD Unbiased	12.137	12.13	-0.0075
5	5e+12	NDD Unbiased	12.481	12.404	-0.077
6	5e+12	NDD Unbiased	12.265	12.152	-0.1136
7	5e+12	NDD Unbiased	12.427	12.584	0.1562
8	5e+12	NDD Unbiased	12.518	12.494	-0.0236
9	1e+13	NDD Unbiased	12.249	12.2	-0.0488
10	1e+13	NDD Unbiased	12.5	12.487	-0.0125
11	1e+13	NDD Unbiased	12.204	12.202	-0.0014
12	1e+13	NDD Unbiased	12.255	12.263	0.0084
53	0	Correlation	12.172	12.061	-0.1108
54	0	Correlation	12.688	12.516	-0.1721

NDD vs Post - Pre Exposure Delta

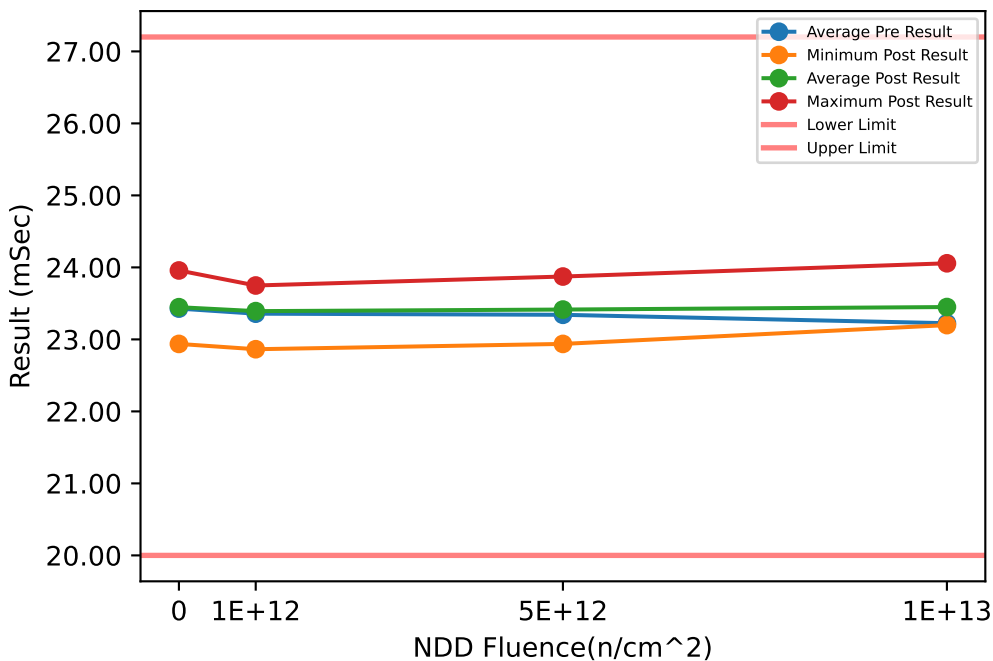


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.172	12.43	12.688	0.36536	12.061	12.289	12.516	0.32202	-0.1721	-0.14145	-0.1108	0.043346
1e+12	12.137	12.336	12.44	0.13691	12.13	12.335	12.425	0.13866	-0.0146	-0.001525	0.012	0.011834
5e+12	12.265	12.423	12.518	0.1115	12.152	12.408	12.584	0.18619	-0.1136	-0.0145	0.1562	0.11965
1e+13	12.204	12.302	12.5	0.13401	12.2	12.288	12.487	0.13598	-0.0488	-0.013575	0.0084	0.024987

Device Test: 17.101 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN1/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM)

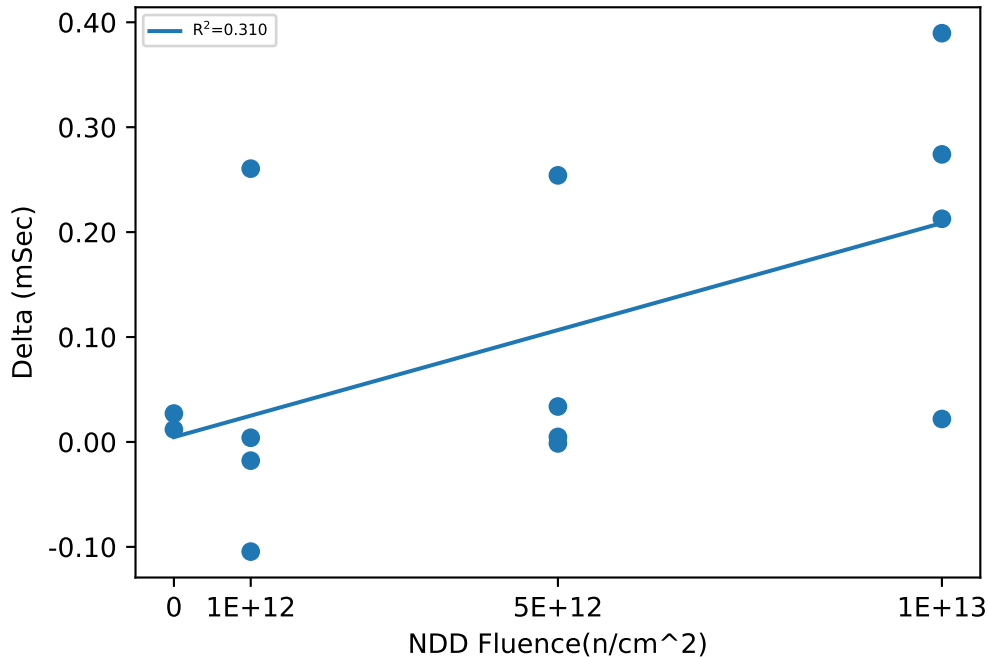
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.435	23.417	-0.0178
2	1e+12	NDD Unbiased	23.646	23.542	-0.1045
3	1e+12	NDD Unbiased	23.745	23.749	0.004
4	1e+12	NDD Unbiased	22.603	22.863	0.2605
5	5e+12	NDD Unbiased	23.455	23.46	0.0048
6	5e+12	NDD Unbiased	22.903	22.937	0.0338
7	5e+12	NDD Unbiased	23.619	23.873	0.2541
8	5e+12	NDD Unbiased	23.389	23.388	-0.0014
9	1e+13	NDD Unbiased	23.023	23.235	0.2127
10	1e+13	NDD Unbiased	23.783	24.057	0.2741
11	1e+13	NDD Unbiased	23.177	23.198	0.0219
12	1e+13	NDD Unbiased	22.917	23.307	0.3896
53	0	Correlation	22.925	22.937	0.012
54	0	Correlation	23.93	23.957	0.0271

NDD vs Post - Pre Exposure Delta

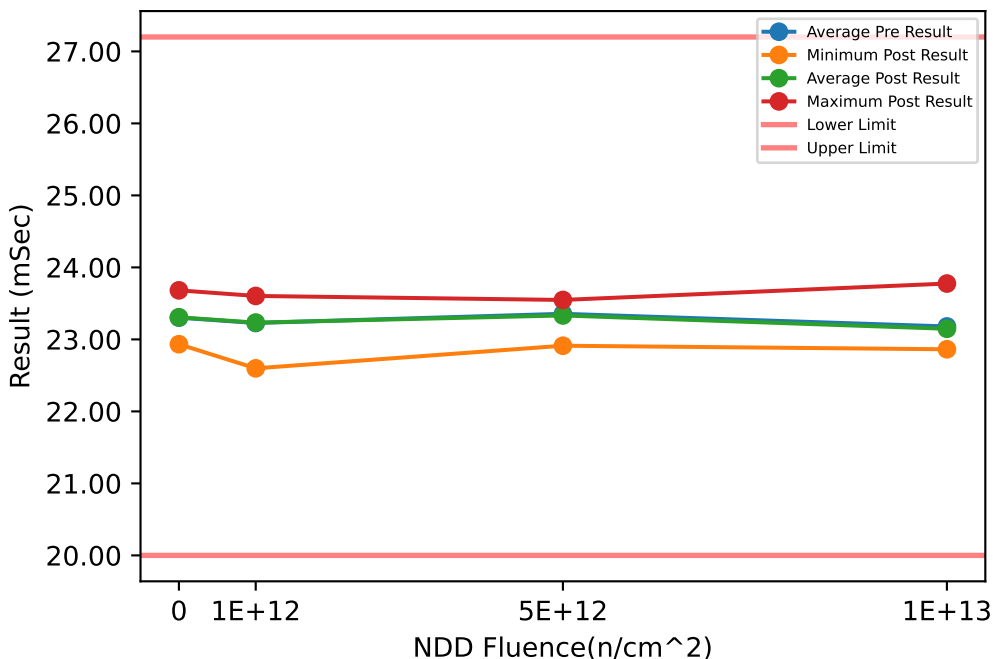


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.925	23.428	23.93	0.71078	22.937	23.447	23.957	0.72146	0.012	0.01955	0.0271	0.010677
1e+12	22.603	23.357	23.745	0.51913	22.863	23.393	23.749	0.37839	-0.1045	0.03555	0.2605	0.15712
5e+12	22.903	23.342	23.619	0.30776	22.937	23.415	23.873	0.38337	-0.0014	0.072825	0.2541	0.12182
1e+13	22.917	23.225	23.783	0.38705	23.198	23.449	24.057	0.4076	0.0219	0.22457	0.3896	0.15374

Device Test: 17.102 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN2/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM)

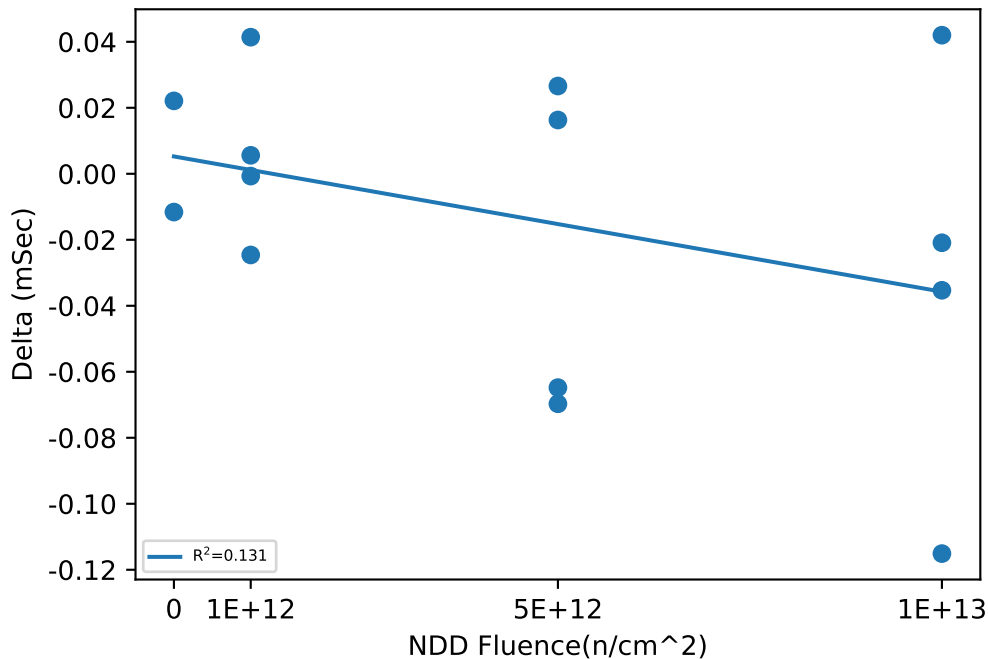
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.187	23.192	0.0056
2	1e+12	NDD Unbiased	23.628	23.604	-0.0246
3	1e+12	NDD Unbiased	23.497	23.539	0.0414
4	1e+12	NDD Unbiased	22.599	22.598	-0.0007
5	5e+12	NDD Unbiased	23.474	23.5	0.0266
6	5e+12	NDD Unbiased	22.896	22.912	0.0163
7	5e+12	NDD Unbiased	23.613	23.548	-0.0648
8	5e+12	NDD Unbiased	23.439	23.37	-0.0697
9	1e+13	NDD Unbiased	23.07	22.955	-0.1151
10	1e+13	NDD Unbiased	23.811	23.776	-0.0353
11	1e+13	NDD Unbiased	22.884	22.863	-0.0209
12	1e+13	NDD Unbiased	22.953	22.995	0.042
53	0	Correlation	22.911	22.933	0.0221
54	0	Correlation	23.693	23.681	-0.0116

NDD vs Post - Pre Exposure Delta

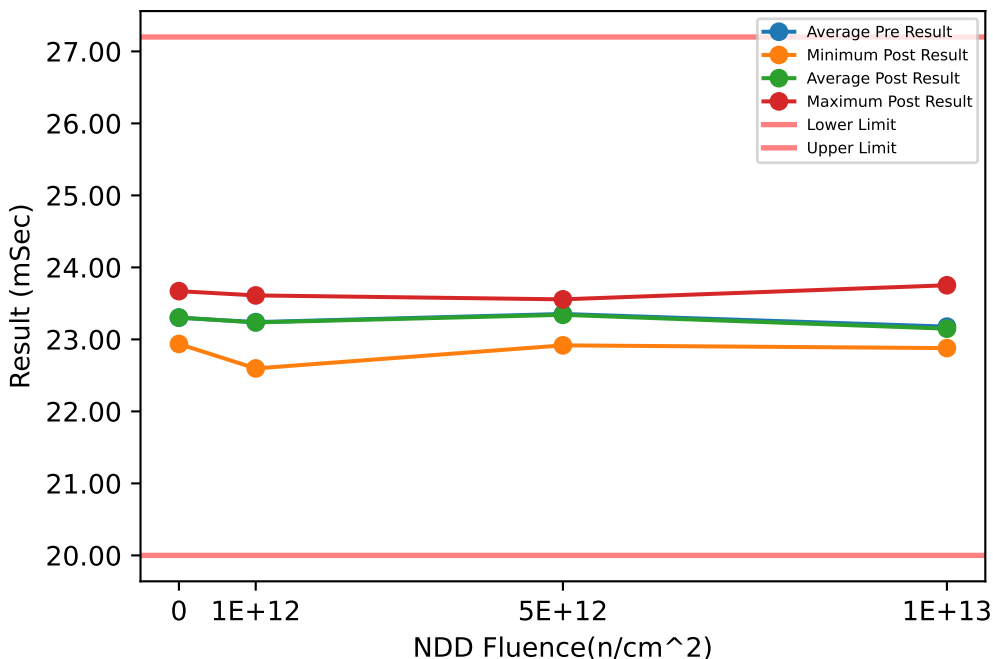


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.911	23.302	23.693	0.55289	22.933	23.307	23.681	0.52906	-0.0116	0.00525	0.0221	0.023829
1e+12	22.599	23.228	23.628	0.45828	22.598	23.233	23.604	0.4602	-0.0246	0.005425	0.0414	0.027284
5e+12	22.896	23.355	23.613	0.31547	22.912	23.333	23.548	0.29024	-0.0697	-0.0229	0.0266	0.051422
1e+13	22.884	23.18	23.811	0.42788	22.863	23.147	23.776	0.42257	-0.1151	-0.032325	0.042	0.064589

Device Test: 17.103 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN3/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM)

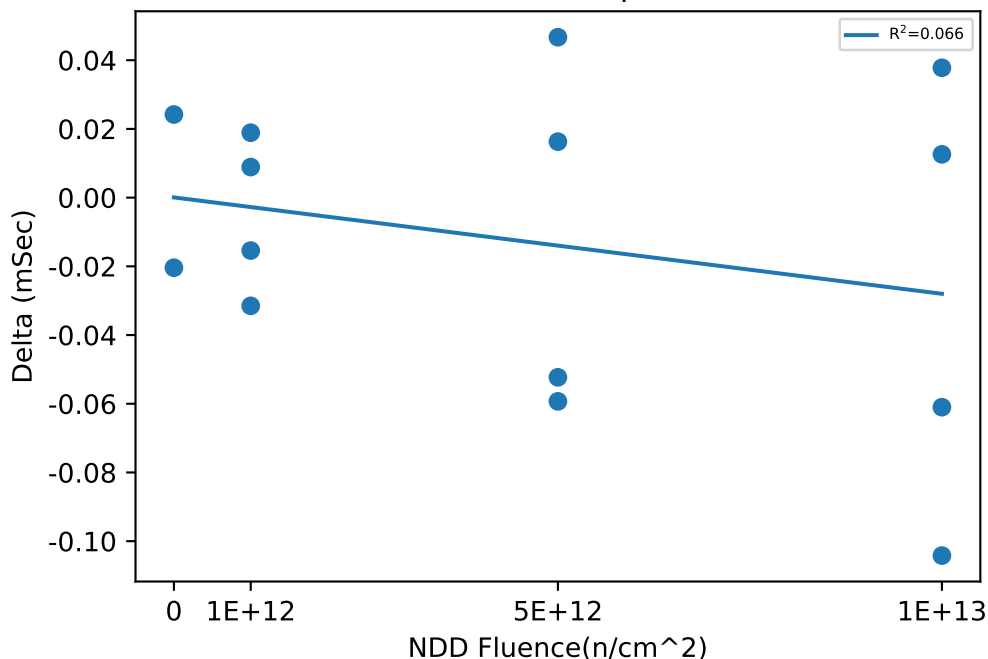
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.188	23.197	0.0089
2	1e+12	NDD Unbiased	23.642	23.611	-0.0315
3	1e+12	NDD Unbiased	23.517	23.536	0.0189
4	1e+12	NDD Unbiased	22.612	22.597	-0.0154
5	5e+12	NDD Unbiased	23.453	23.5	0.0467
6	5e+12	NDD Unbiased	22.901	22.917	0.0163
7	5e+12	NDD Unbiased	23.616	23.556	-0.0593
8	5e+12	NDD Unbiased	23.444	23.391	-0.0523
9	1e+13	NDD Unbiased	23.073	22.969	-0.1042
10	1e+13	NDD Unbiased	23.813	23.752	-0.061
11	1e+13	NDD Unbiased	22.866	22.879	0.0126
12	1e+13	NDD Unbiased	22.957	22.995	0.0378
53	0	Correlation	22.913	22.937	0.0242
54	0	Correlation	23.691	23.67	-0.0204

NDD vs Post - Pre Exposure Delta

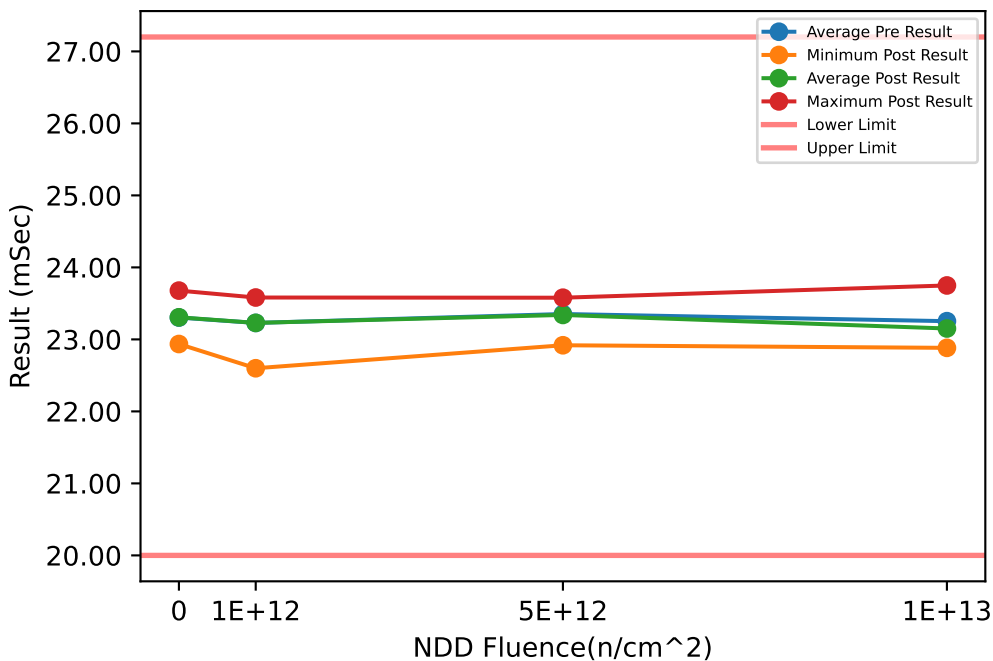


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.913	23.302	23.691	0.55006	22.937	23.303	23.67	0.51852	-0.0204	0.0019	0.0242	0.031537
1e+12	22.612	23.24	23.642	0.46034	22.597	23.235	23.611	0.46219	-0.0315	-0.004775	0.0189	0.02291
5e+12	22.901	23.353	23.616	0.31173	22.917	23.341	23.556	0.29078	-0.0593	-0.01215	0.0467	0.051987
1e+13	22.866	23.177	23.813	0.43194	22.879	23.149	23.752	0.40507	-0.1042	-0.0287	0.0378	0.065502

Device Test: 17.104 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN4/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM)

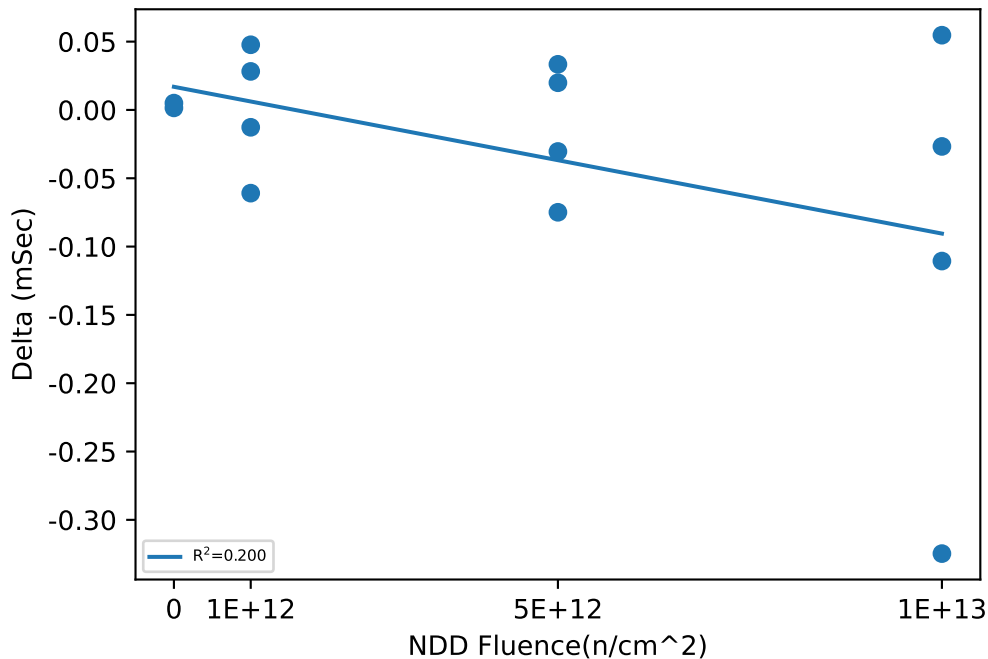
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.17	23.198	0.0282
2	1e+12	NDD Unbiased	23.643	23.582	-0.0609
3	1e+12	NDD Unbiased	23.49	23.538	0.0477
4	1e+12	NDD Unbiased	22.612	22.599	-0.0127
5	5e+12	NDD Unbiased	23.472	23.505	0.0334
6	5e+12	NDD Unbiased	22.899	22.919	0.0199
7	5e+12	NDD Unbiased	23.609	23.579	-0.0304
8	5e+12	NDD Unbiased	23.431	23.356	-0.0749
9	1e+13	NDD Unbiased	23.074	22.963	-0.1106
10	1e+13	NDD Unbiased	23.776	23.749	-0.0267
11	1e+13	NDD Unbiased	23.207	22.883	-0.3247
12	1e+13	NDD Unbiased	22.956	23.01	0.0547
53	0	Correlation	22.931	22.936	0.005
54	0	Correlation	23.676	23.678	0.0015

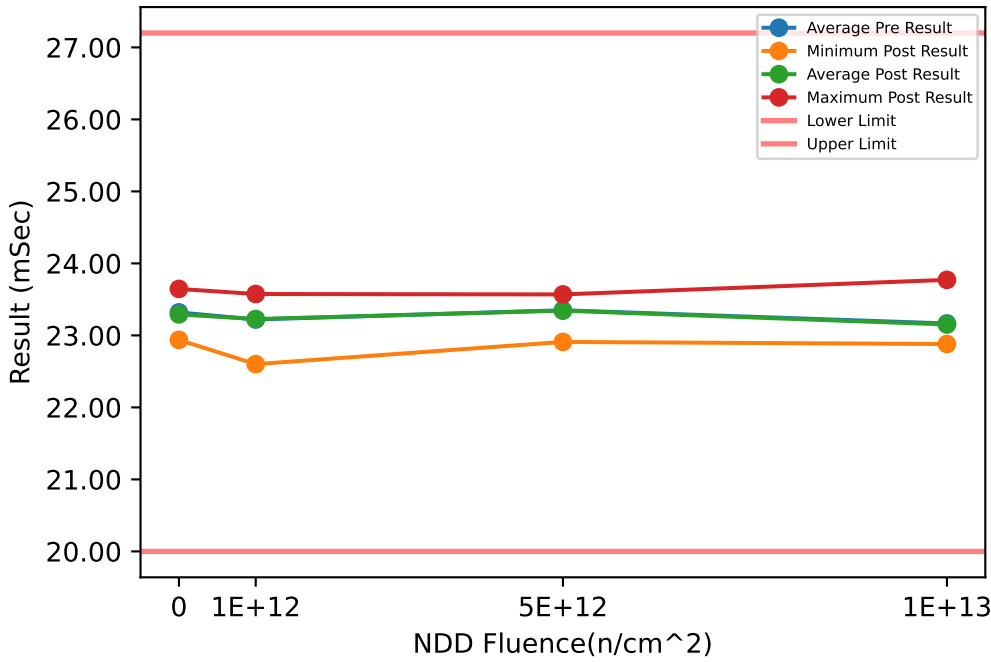
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.931	23.304	23.676	0.52708	22.936	23.307	23.678	0.5246	0.0015	0.00325	0.005	0.0024749
1e+12	22.612	23.229	23.643	0.45592	22.599	23.229	23.582	0.45366	-0.0609	0.000575	0.0477	0.048095
5e+12	22.899	23.353	23.609	0.3122	22.919	23.34	23.579	0.29571	-0.0749	-0.013	0.0334	0.049564
1e+13	22.956	23.253	23.776	0.36334	22.883	23.151	23.749	0.40204	-0.3247	-0.10182	0.0547	0.16319

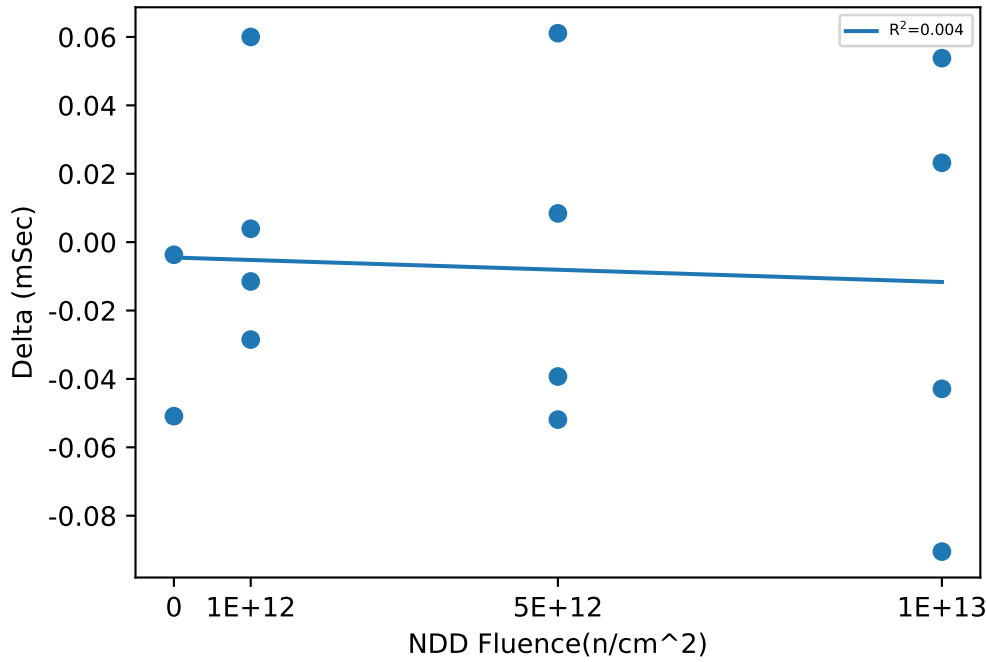
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.189	23.192	0.0039
2	1e+12	NDD Unbiased	23.603	23.575	-0.0285
3	1e+12	NDD Unbiased	23.48	23.54	0.06
4	1e+12	NDD Unbiased	22.612	22.601	-0.0115
5	5e+12	NDD Unbiased	23.445	23.506	0.0611
6	5e+12	NDD Unbiased	22.901	22.909	0.0084
7	5e+12	NDD Unbiased	23.608	23.569	-0.0393
8	5e+12	NDD Unbiased	23.444	23.392	-0.0519
9	1e+13	NDD Unbiased	23.035	22.944	-0.0905
10	1e+13	NDD Unbiased	23.814	23.771	-0.0429
11	1e+13	NDD Unbiased	22.857	22.88	0.0232
12	1e+13	NDD Unbiased	22.956	23.009	0.0538
53	0	Correlation	22.942	22.938	-0.0037
54	0	Correlation	23.696	23.645	-0.0509

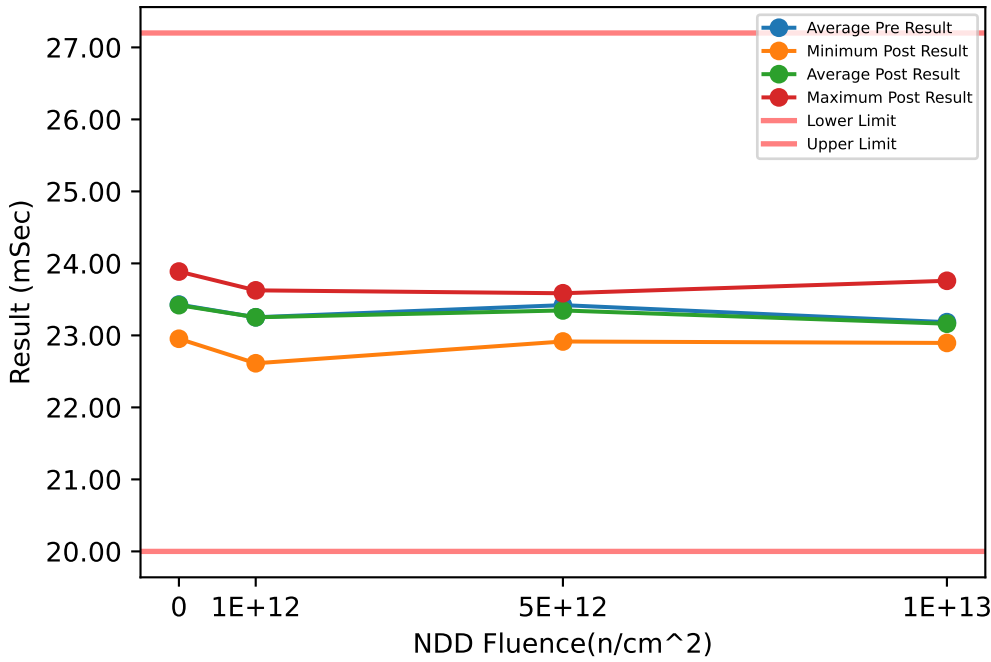
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.942	23.319	23.696	0.53344	22.938	23.292	23.645	0.50007	-0.0509	-0.0273	-0.0037	0.033375
1e+12	22.612	23.221	23.603	0.44155	22.601	23.227	23.575	0.4518	-0.0285	0.005975	0.06	0.038371
5e+12	22.901	23.35	23.608	0.30894	22.909	23.344	23.569	0.29906	-0.0519	-0.005425	0.0611	0.051394
1e+13	22.857	23.165	23.814	0.43867	22.88	23.151	23.771	0.41676	-0.0905	-0.0141	0.0538	0.064982

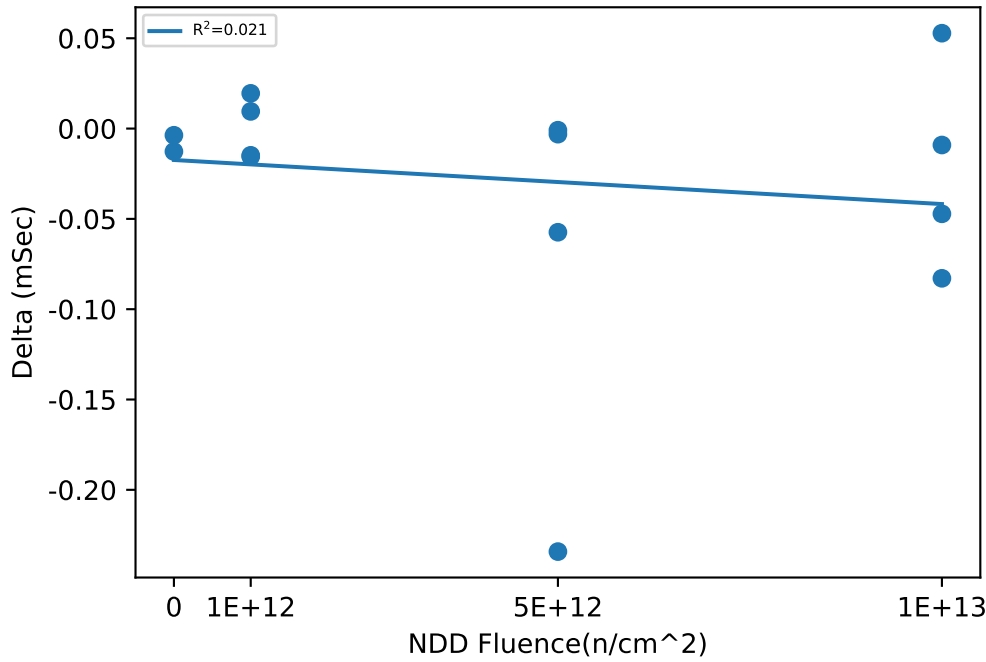
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.205	23.215	0.0095
2	1e+12	NDD Unbiased	23.64	23.626	-0.0148
3	1e+12	NDD Unbiased	23.533	23.553	0.0195
4	1e+12	NDD Unbiased	22.628	22.613	-0.0155
5	5e+12	NDD Unbiased	23.488	23.485	-0.0031
6	5e+12	NDD Unbiased	22.916	22.915	-0.0009
7	5e+12	NDD Unbiased	23.82	23.585	-0.2342
8	5e+12	NDD Unbiased	23.458	23.401	-0.0574
9	1e+13	NDD Unbiased	23.052	22.97	-0.0829
10	1e+13	NDD Unbiased	23.806	23.759	-0.0472
11	1e+13	NDD Unbiased	22.904	22.895	-0.0091
12	1e+13	NDD Unbiased	22.973	23.026	0.0528
53	0	Correlation	22.957	22.953	-0.0037
54	0	Correlation	23.9	23.887	-0.0127

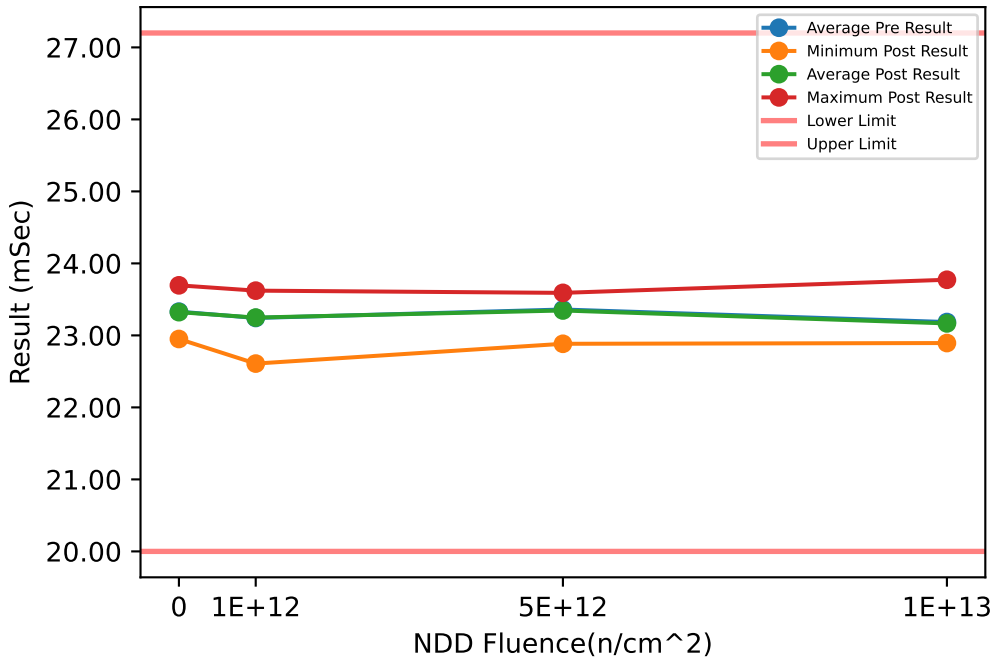
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.957	23.428	23.9	0.66659	22.953	23.42	23.887	0.66023	-0.0127	-0.0082	-0.0037	0.006364
1e+12	22.628	23.252	23.64	0.45499	22.613	23.251	23.626	0.46183	-0.0155	-0.000325	0.0195	0.017601
5e+12	22.916	23.42	23.82	0.3739	22.915	23.347	23.585	0.29721	-0.2342	-0.0739	-0.0009	0.11002
1e+13	22.904	23.184	23.806	0.41895	22.895	23.162	23.759	0.40107	-0.0829	-0.0216	0.0528	0.058036

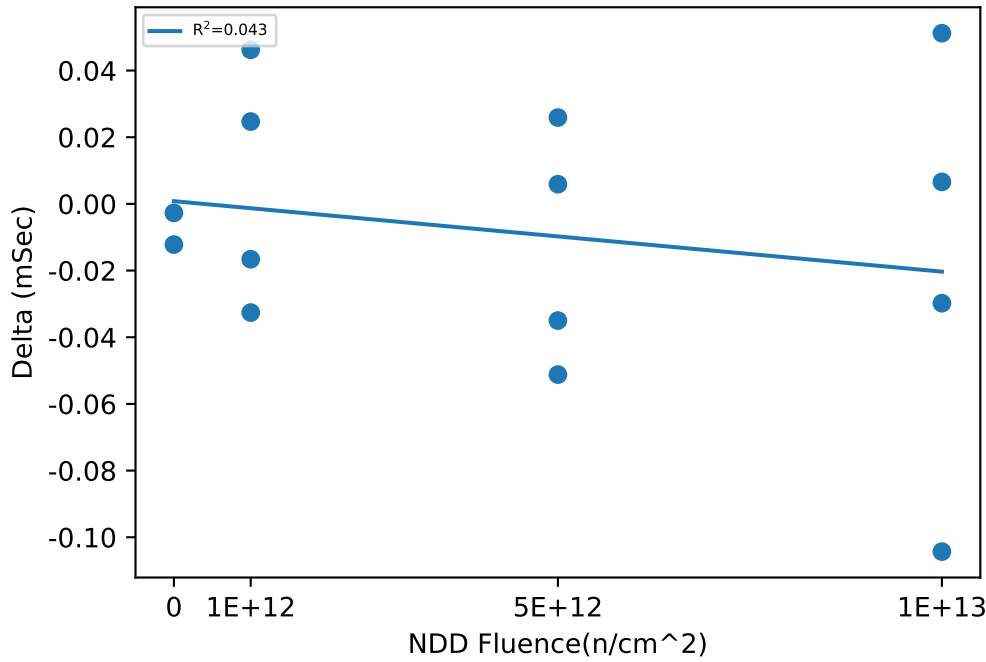
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.184	23.209	0.0247
2	1e+12	NDD Unbiased	23.654	23.622	-0.0326
3	1e+12	NDD Unbiased	23.505	23.551	0.0462
4	1e+12	NDD Unbiased	22.625	22.609	-0.0166
5	5e+12	NDD Unbiased	23.487	23.513	0.0259
6	5e+12	NDD Unbiased	22.878	22.883	0.0059
7	5e+12	NDD Unbiased	23.626	23.591	-0.035
8	5e+12	NDD Unbiased	23.448	23.397	-0.0512
9	1e+13	NDD Unbiased	23.084	22.98	-0.1043
10	1e+13	NDD Unbiased	23.802	23.773	-0.0298
11	1e+13	NDD Unbiased	22.887	22.894	0.0066
12	1e+13	NDD Unbiased	22.968	23.019	0.0512
53	0	Correlation	22.953	22.95	-0.0027
54	0	Correlation	23.708	23.695	-0.0122

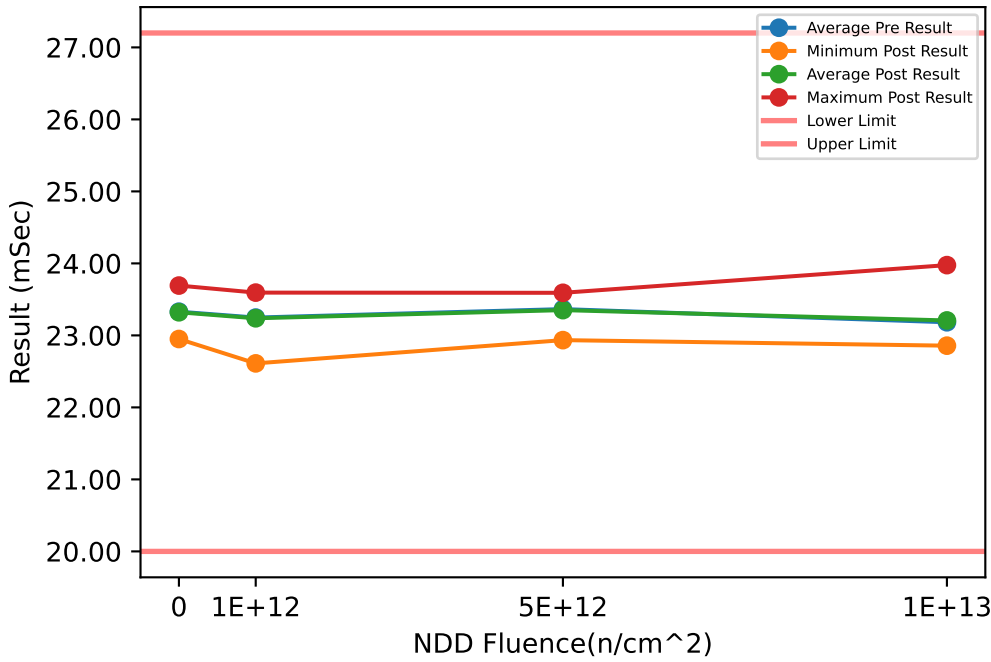
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.953	23.33	23.708	0.53372	22.95	23.323	23.695	0.52701	-0.0122	-0.00745	-0.0027	0.0067175
1e+12	22.625	23.242	23.654	0.45569	22.609	23.248	23.622	0.46259	-0.0326	0.005425	0.0462	0.036355
5e+12	22.878	23.36	23.626	0.3303	22.883	23.346	23.591	0.31848	-0.0512	-0.0136	0.0259	0.035647
1e+13	22.887	23.186	23.802	0.41918	22.894	23.166	23.773	0.40754	-0.1043	-0.019075	0.0512	0.065768

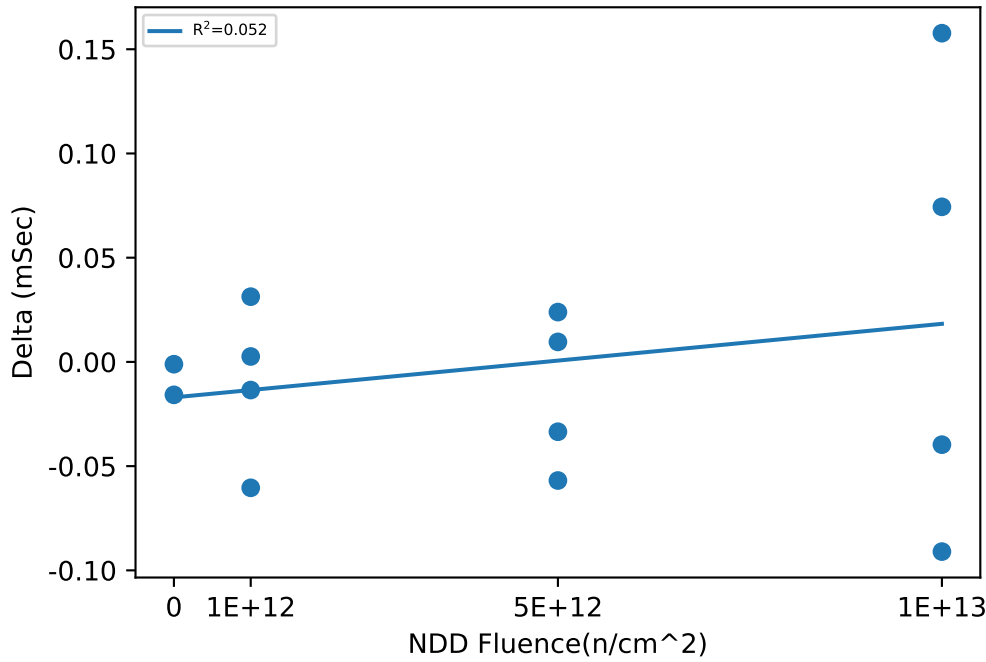
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.197	23.2	0.0026
2	1e+12	NDD Unbiased	23.655	23.594	-0.0604
3	1e+12	NDD Unbiased	23.514	23.545	0.0313
4	1e+12	NDD Unbiased	22.625	22.611	-0.0135
5	5e+12	NDD Unbiased	23.473	23.483	0.0096
6	5e+12	NDD Unbiased	22.91	22.934	0.0239
7	5e+12	NDD Unbiased	23.625	23.591	-0.0335
8	5e+12	NDD Unbiased	23.453	23.396	-0.0569
9	1e+13	NDD Unbiased	23.071	22.98	-0.091
10	1e+13	NDD Unbiased	23.818	23.976	0.1577
11	1e+13	NDD Unbiased	22.897	22.857	-0.0397
12	1e+13	NDD Unbiased	22.943	23.017	0.0744
53	0	Correlation	22.951	22.95	-0.0011
54	0	Correlation	23.708	23.692	-0.0158

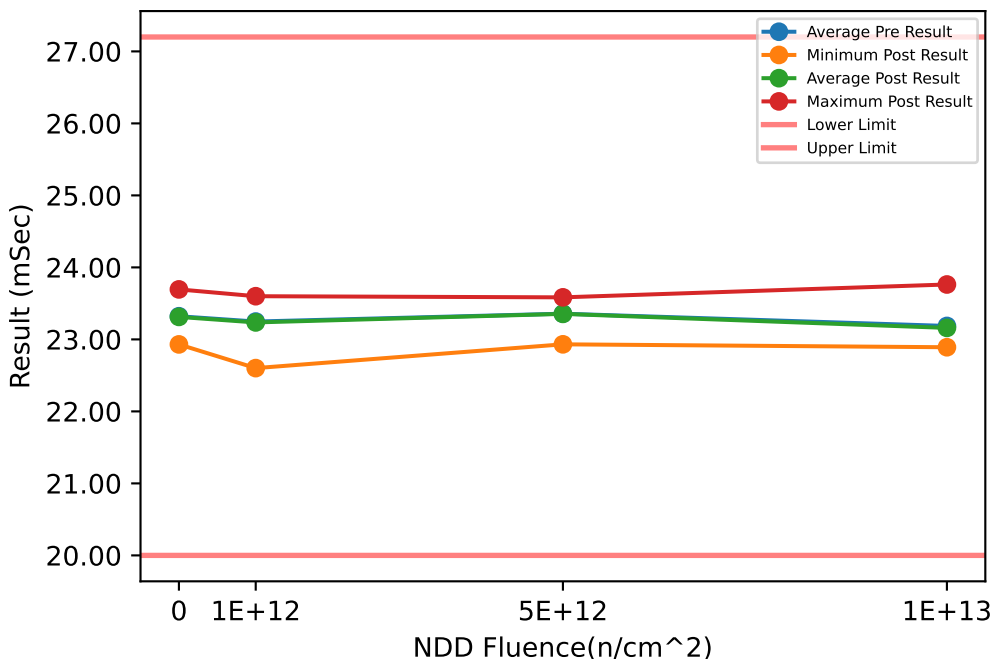
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.951	23.329	23.708	0.53528	22.95	23.321	23.692	0.52489	-0.0158	-0.00845	-0.0011	0.010394
1e+12	22.625	23.248	23.655	0.45719	22.611	23.238	23.594	0.45297	-0.0604	-0.01	0.0313	0.03837
5e+12	22.91	23.365	23.625	0.31288	22.934	23.351	23.591	0.28917	-0.0569	-0.014225	0.0239	0.037478
1e+13	22.897	23.182	23.818	0.43031	22.857	23.208	23.976	0.51674	-0.091	0.02535	0.1577	0.11209

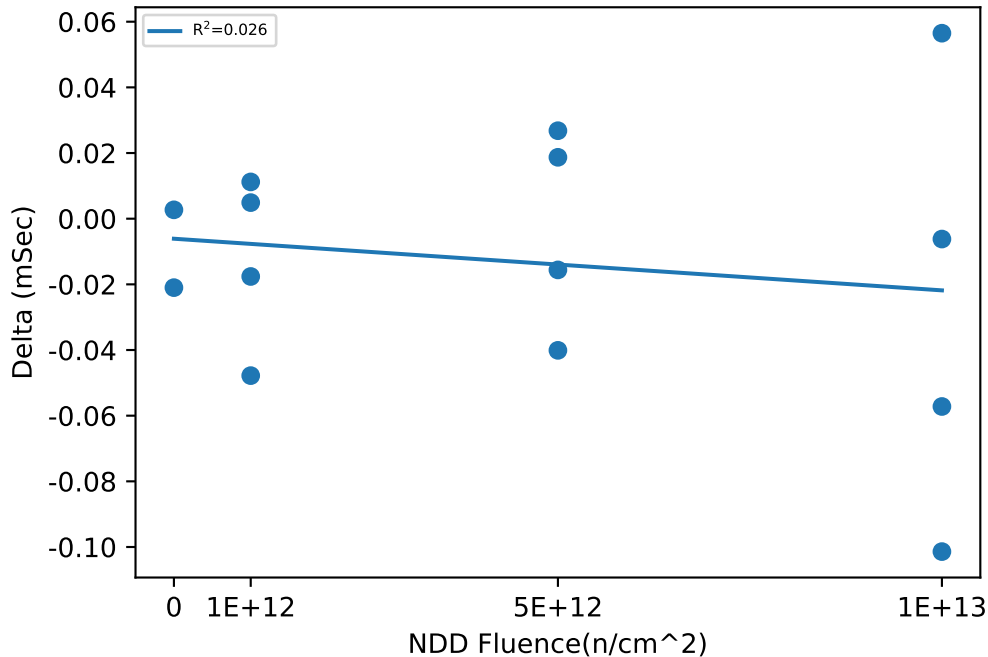
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.197	23.208	0.0112
2	1e+12	NDD Unbiased	23.648	23.6	-0.0478
3	1e+12	NDD Unbiased	23.529	23.533	0.0049
4	1e+12	NDD Unbiased	22.619	22.601	-0.0176
5	5e+12	NDD Unbiased	23.485	23.504	0.0187
6	5e+12	NDD Unbiased	22.905	22.931	0.0268
7	5e+12	NDD Unbiased	23.6	23.584	-0.0156
8	5e+12	NDD Unbiased	23.439	23.398	-0.0401
9	1e+13	NDD Unbiased	23.08	22.979	-0.1014
10	1e+13	NDD Unbiased	23.82	23.763	-0.0572
11	1e+13	NDD Unbiased	22.897	22.891	-0.0062
12	1e+13	NDD Unbiased	22.95	23.006	0.0565
53	0	Correlation	22.951	22.93	-0.021
54	0	Correlation	23.692	23.694	0.0027

NDD vs Post - Pre Exposure Delta

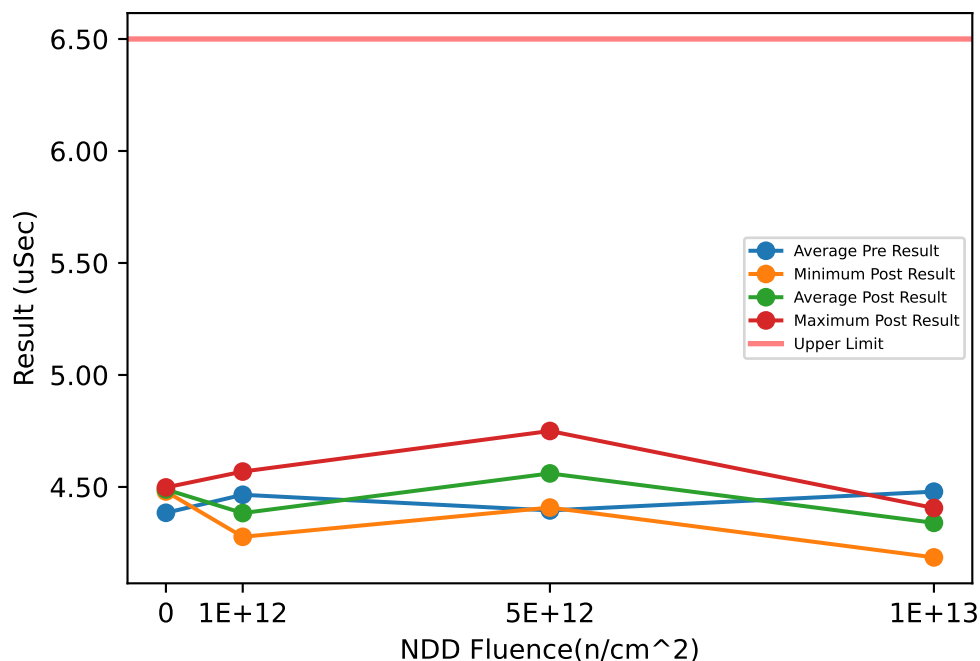


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.951	23.322	23.692	0.5234	22.93	23.312	23.694	0.54016	-0.021	-0.00915	0.0027	0.016758
1e+12	22.619	23.248	23.648	0.46075	22.601	23.236	23.6	0.45627	-0.0478	-0.012325	0.0112	0.026686
5e+12	22.905	23.357	23.6	0.30908	22.931	23.355	23.584	0.29208	-0.0401	-0.00255	0.0268	0.031055
1e+13	22.897	23.187	23.82	0.42901	22.891	23.16	23.763	0.40495	-0.1014	-0.027075	0.0565	0.067952

Device Test: 17.11 TPD_SEQ_DONE(_DELAY|STEP_DOWN/SEQ_DONE/1.6/3/0/0/0/@TPD_SEQ_DONE)

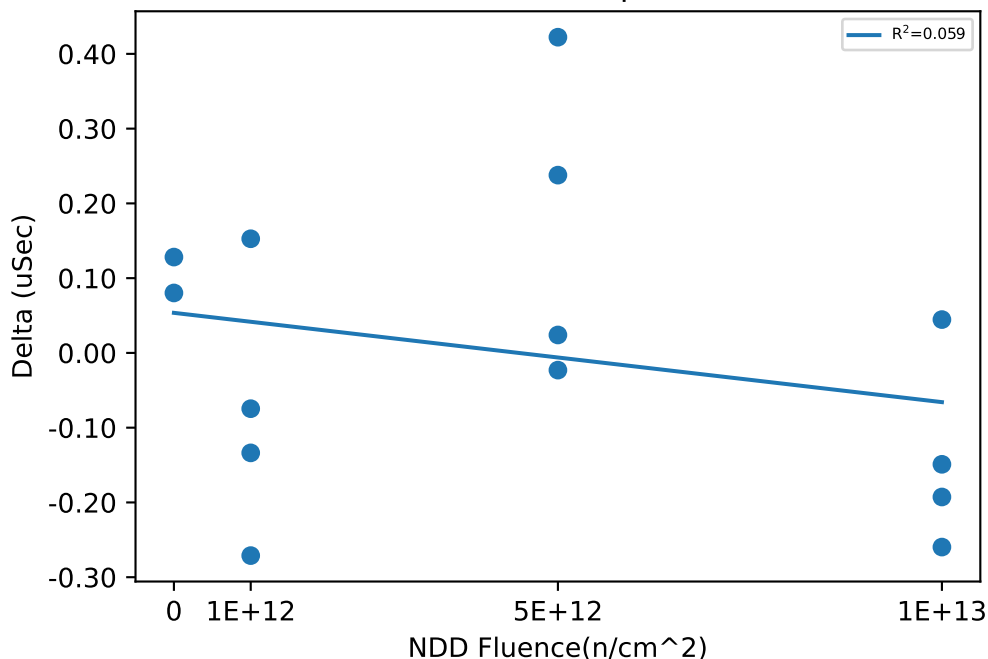
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

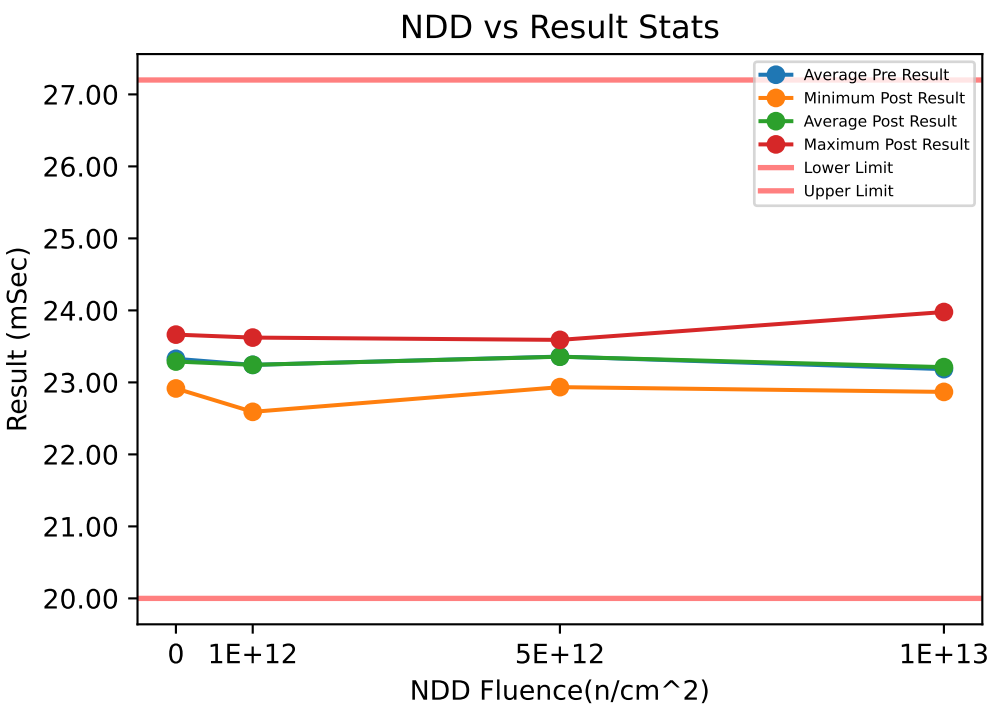
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.4671	4.3925	-0.0746
2	1e+12	NDD Unbiased	4.5661	4.295	-0.2711
3	1e+12	NDD Unbiased	4.4111	4.2774	-0.1337
4	1e+12	NDD Unbiased	4.416	4.5687	0.1527
5	5e+12	NDD Unbiased	4.384	4.408	0.024
6	5e+12	NDD Unbiased	4.3779	4.6157	0.2378
7	5e+12	NDD Unbiased	4.4913	4.4683	-0.023
8	5e+12	NDD Unbiased	4.3276	4.7499	0.4223
9	1e+13	NDD Unbiased	4.5472	4.3982	-0.149
10	1e+13	NDD Unbiased	4.3616	4.4062	0.0446
11	1e+13	NDD Unbiased	4.4452	4.1855	-0.2597
12	1e+13	NDD Unbiased	4.5619	4.3692	-0.1927
53	0	Correlation	4.3995	4.4797	0.0802
54	0	Correlation	4.3697	4.4979	0.1282

NDD vs Post - Pre Exposure Delta



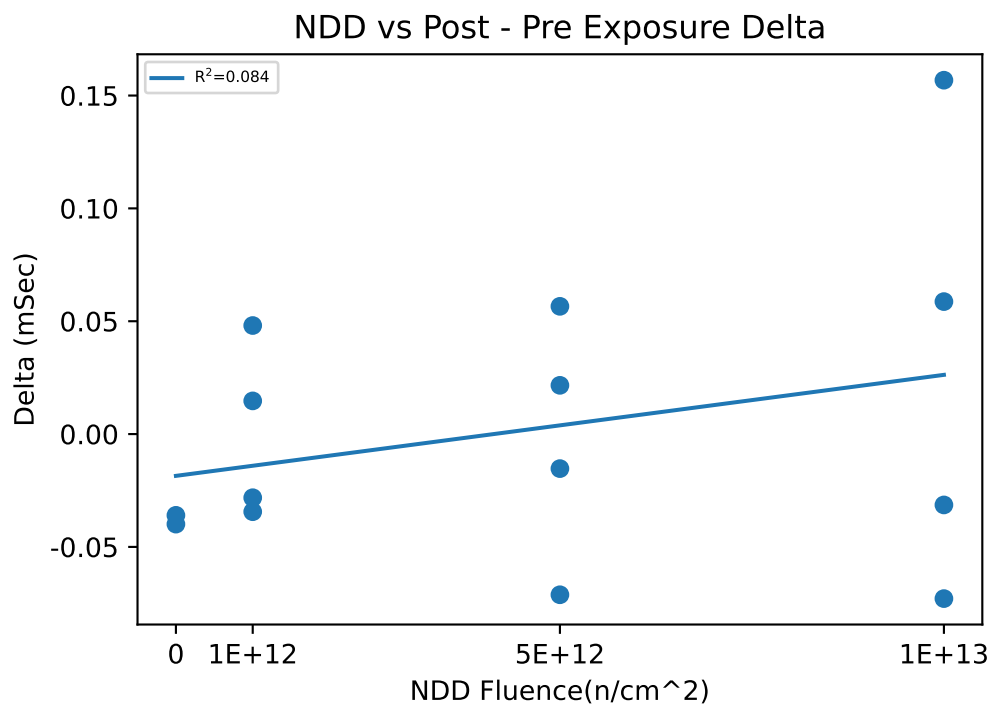
Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.3697	4.3846	4.3995	0.021072	4.4797	4.4888	4.4979	0.012869	0.0802	0.1042	0.1282	0.033941
1e+12	4.4111	4.4651	4.5661	0.071953	4.2774	4.3834	4.5687	0.1335	-0.2711	-0.081675	0.1527	0.17661
5e+12	4.3276	4.3952	4.4913	0.068871	4.408	4.5605	4.7499	0.15349	-0.023	0.16528	0.4223	0.20553
1e+13	4.3616	4.479	4.5619	0.093895	4.1855	4.3398	4.4062	0.10407	-0.2597	-0.1392	0.0446	0.13072



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.194	23.209	0.0147
2	1e+12	NDD Unbiased	23.651	23.622	-0.0282
3	1e+12	NDD Unbiased	23.504	23.552	0.0481
4	1e+12	NDD Unbiased	22.625	22.591	-0.0344
5	5e+12	NDD Unbiased	23.462	23.518	0.0566
6	5e+12	NDD Unbiased	22.913	22.934	0.0216
7	5e+12	NDD Unbiased	23.606	23.59	-0.0153
8	5e+12	NDD Unbiased	23.454	23.383	-0.0712
9	1e+13	NDD Unbiased	23.053	22.981	-0.0729
10	1e+13	NDD Unbiased	23.821	23.977	0.1568
11	1e+13	NDD Unbiased	22.899	22.868	-0.0314
12	1e+13	NDD Unbiased	22.963	23.022	0.0587
53	0	Correlation	22.952	22.916	-0.036
54	0	Correlation	23.703	23.664	-0.0399

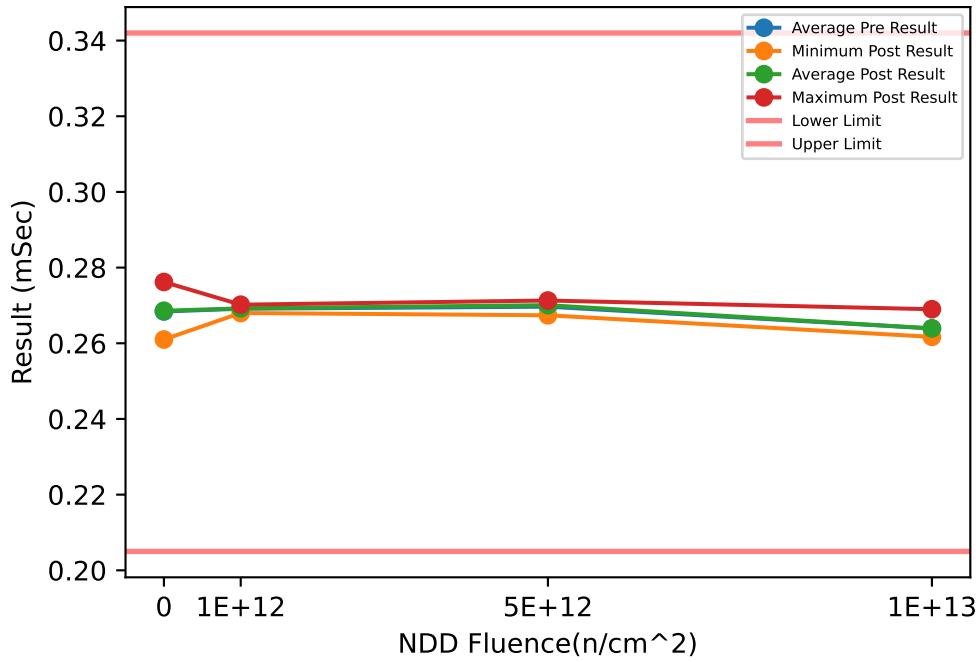


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.952	23.328	23.703	0.5316	22.916	23.29	23.664	0.52885	-0.0399	-0.03795	-0.036	0.0027577
1e+12	22.625	23.243	23.651	0.45382	22.591	23.244	23.622	0.47099	-0.0344	5e-05	0.0481	0.038765
5e+12	22.913	23.359	23.606	0.30534	22.934	23.357	23.59	0.29431	-0.0712	-0.002075	0.0566	0.05464
1e+13	22.899	23.184	23.821	0.42897	22.868	23.212	23.977	0.51442	-0.0729	0.0278	0.1568	0.10205

Device Test: 17.111 DLY_TMR_10KOHM(_DELAY|STEP_UP/EN1/7/3/10.5K/0/0/@DLY_TMR_10KOHM)

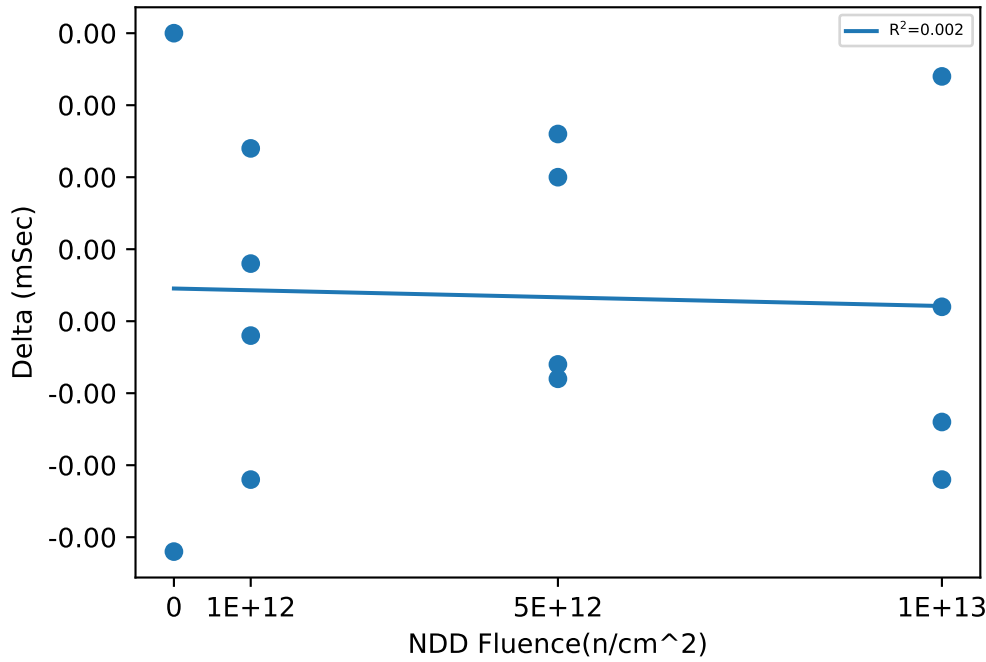
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2668	0.268	0.0012
2	1e+12	NDD Unbiased	0.2711	0.27	-0.0011
3	1e+12	NDD Unbiased	0.2698	0.2702	0.0004
4	1e+12	NDD Unbiased	0.2688	0.2687	-0.0001
5	5e+12	NDD Unbiased	0.2707	0.2703	-0.0004
6	5e+12	NDD Unbiased	0.2677	0.2674	-0.0003
7	5e+12	NDD Unbiased	0.27	0.2713	0.0013
8	5e+12	NDD Unbiased	0.2703	0.2713	0.001
9	1e+13	NDD Unbiased	0.2633	0.2626	-0.0007
10	1e+13	NDD Unbiased	0.2701	0.269	-0.0011
11	1e+13	NDD Unbiased	0.2616	0.2617	0.0001
12	1e+13	NDD Unbiased	0.2607	0.2624	0.0017
53	0	Correlation	0.259	0.261	0.002
54	0	Correlation	0.2778	0.2762	-0.0016

NDD vs Post - Pre Exposure Delta

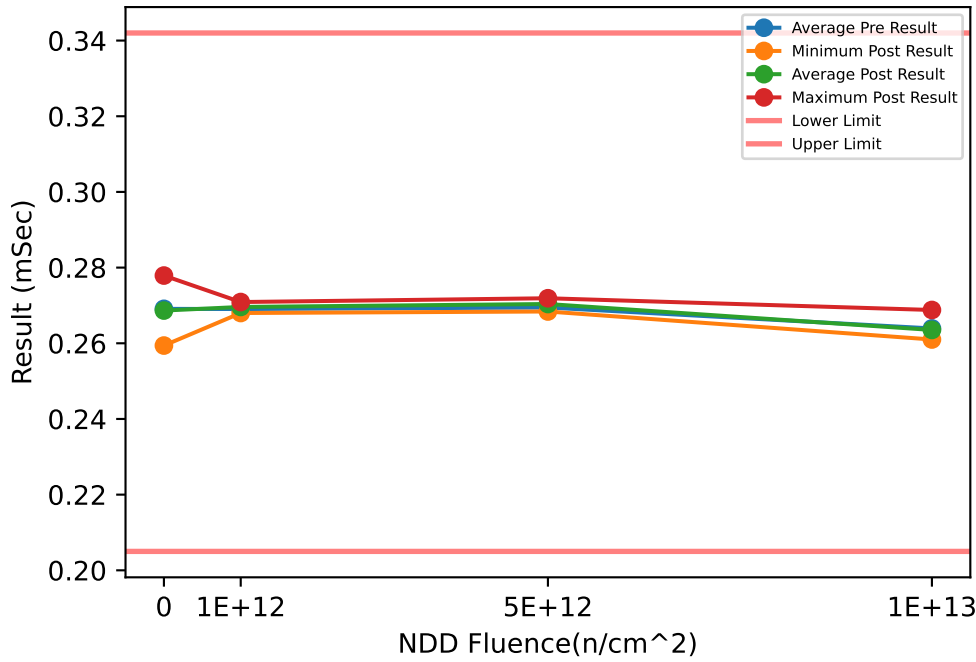


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.259	0.2684	0.2778	0.013294	0.261	0.2686	0.2762	0.010748	-0.0016	0.0002	0.002	0.0025456
1e+12	0.2668	0.26913	0.2711	0.0018136	0.268	0.26922	0.2702	0.0010532	-0.0011	0.0001	0.0012	0.00096264
5e+12	0.2677	0.26967	0.2707	0.0013475	0.2674	0.27008	0.2713	0.0018446	-0.0004	0.0004	0.0013	0.0008756
1e+13	0.2607	0.26392	0.2701	0.0042555	0.2617	0.26393	0.269	0.0034053	-0.0011	1.3878e-17	0.0017	0.0012383

Device Test: 17.112 DLY_TMR_10KOHM(_DELAY|STEP_UP/EN2/7/3/10.5K/0/0/@DLY_TMR_10KOHM)

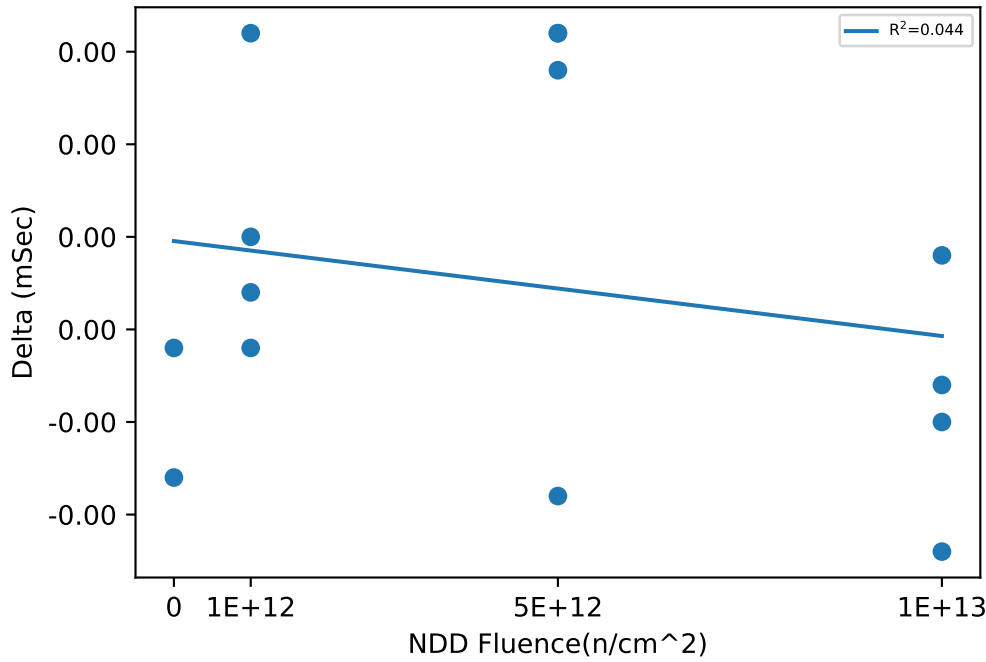
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2681	0.268	-0.0001
2	1e+12	NDD Unbiased	0.2704	0.2709	0.0005
3	1e+12	NDD Unbiased	0.2697	0.2699	0.0002
4	1e+12	NDD Unbiased	0.268	0.2696	0.0016
5	5e+12	NDD Unbiased	0.2702	0.2693	-0.0009
6	5e+12	NDD Unbiased	0.267	0.2684	0.0014
7	5e+12	NDD Unbiased	0.2703	0.2719	0.0016
8	5e+12	NDD Unbiased	0.2703	0.2719	0.0016
9	1e+13	NDD Unbiased	0.2617	0.2614	-0.0003
10	1e+13	NDD Unbiased	0.27	0.2688	-0.0012
11	1e+13	NDD Unbiased	0.2615	0.261	-0.0005
12	1e+13	NDD Unbiased	0.2625	0.2629	0.0004
53	0	Correlation	0.2602	0.2594	-0.0008
54	0	Correlation	0.278	0.2779	-0.0001

NDD vs Post - Pre Exposure Delta

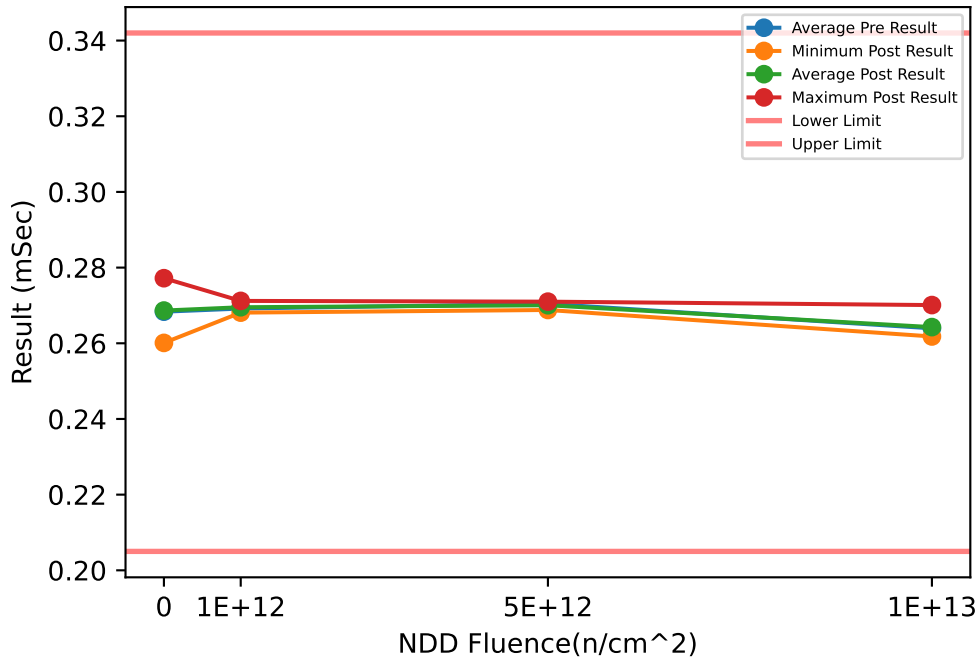


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2602	0.2691	0.278	0.012587	0.2594	0.26865	0.2779	0.013081	-0.0008	-0.00045	-0.0001	0.00049497
1e+12	0.268	0.26905	0.2704	0.0011902	0.268	0.2696	0.2709	0.0012028	-0.0001	0.00055	0.0016	0.00074162
5e+12	0.267	0.26945	0.2703	0.001634	0.2684	0.27037	0.2719	0.0017988	-0.0009	0.000925	0.0016	0.0012203
1e+13	0.2615	0.26393	0.27	0.004073	0.261	0.26353	0.2688	0.0036105	-0.0012	-0.0004	0.0004	0.00065828

Device Test: 17.113 DLY_TMR_10KOHM(_DELAY|STEP_UP/EN3/7/3/10.5K/0/0/@DLY_TMR_10KOHM)

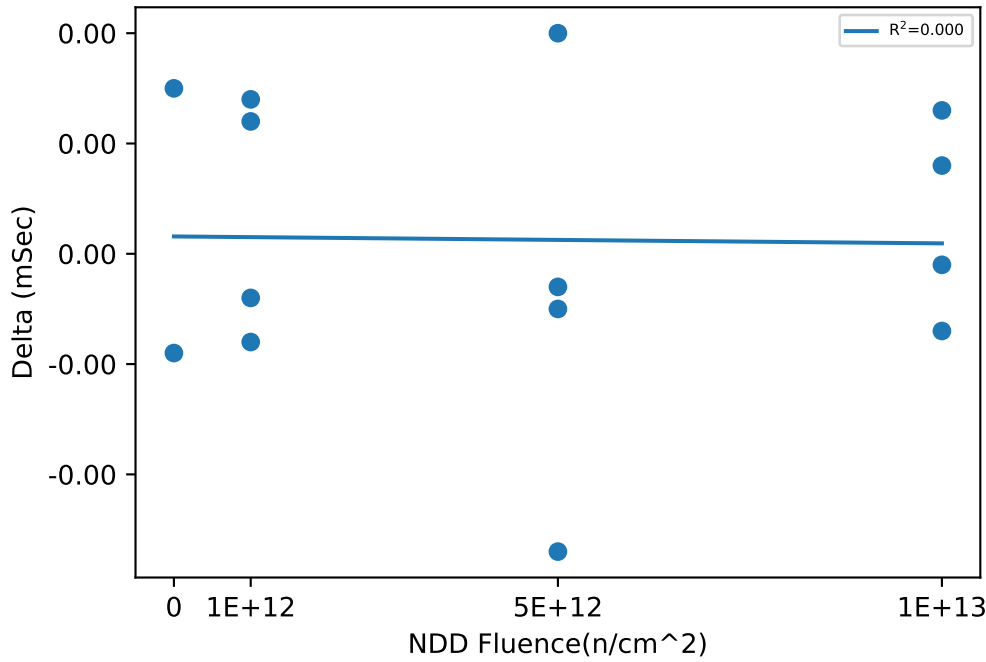
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2689	0.2681	-0.0008
2	1e+12	NDD Unbiased	0.2695	0.2707	0.0012
3	1e+12	NDD Unbiased	0.2698	0.2712	0.0014
4	1e+12	NDD Unbiased	0.2685	0.2681	-0.0004
5	5e+12	NDD Unbiased	0.2715	0.271	-0.0005
6	5e+12	NDD Unbiased	0.2674	0.2694	0.002
7	5e+12	NDD Unbiased	0.2713	0.271	-0.0003
8	5e+12	NDD Unbiased	0.2715	0.2688	-0.0027
9	1e+13	NDD Unbiased	0.2618	0.2626	0.0008
10	1e+13	NDD Unbiased	0.2702	0.2701	-0.0001
11	1e+13	NDD Unbiased	0.2625	0.2618	-0.0007
12	1e+13	NDD Unbiased	0.2613	0.2626	0.0013
53	0	Correlation	0.261	0.2601	-0.0009
54	0	Correlation	0.2757	0.2772	0.0015

NDD vs Post - Pre Exposure Delta

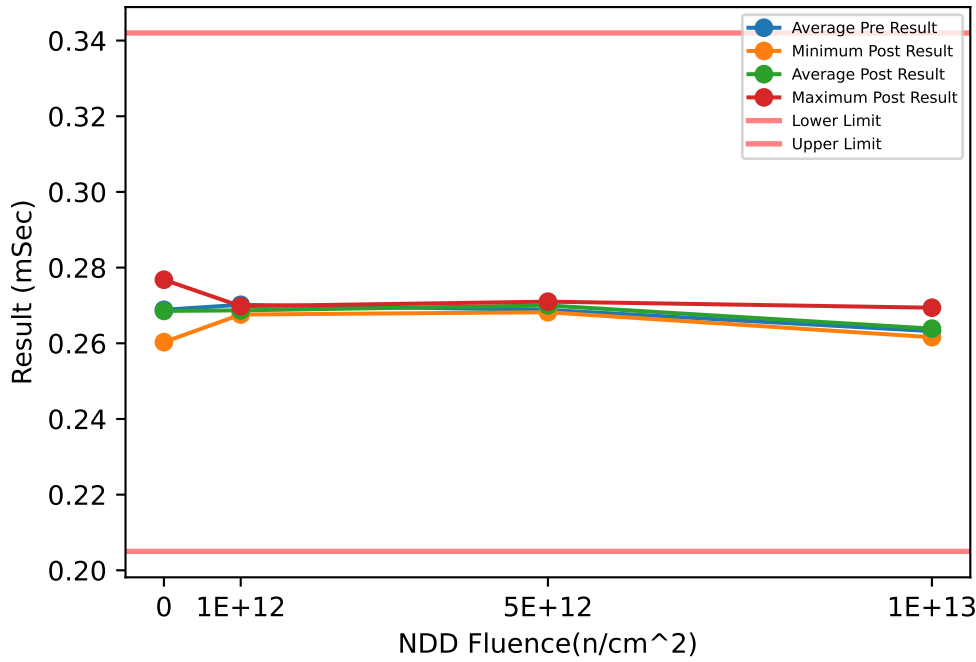


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.261	0.26835	0.2757	0.010394	0.2601	0.26865	0.2772	0.012092	-0.0009	0.0003	0.0015	0.0016971
1e+12	0.2685	0.26917	0.2698	0.00058523	0.2681	0.26953	0.2712	0.0016581	-0.0008	0.00035	0.0014	0.0011121
5e+12	0.2674	0.27043	0.2715	0.0020189	0.2688	0.27005	0.271	0.001124	-0.0027	-0.000375	0.002	0.0019207
1e+13	0.2613	0.26395	0.2702	0.0041956	0.2618	0.26427	0.2701	0.0039016	-0.0007	0.000325	0.0013	0.00089582

Device Test: 17.114 DLY_TMR_10KOHM(_DELAY|STEP_UP/EN4/7/3/10.5K/0/0/@DLY_TMR_10KOHM)

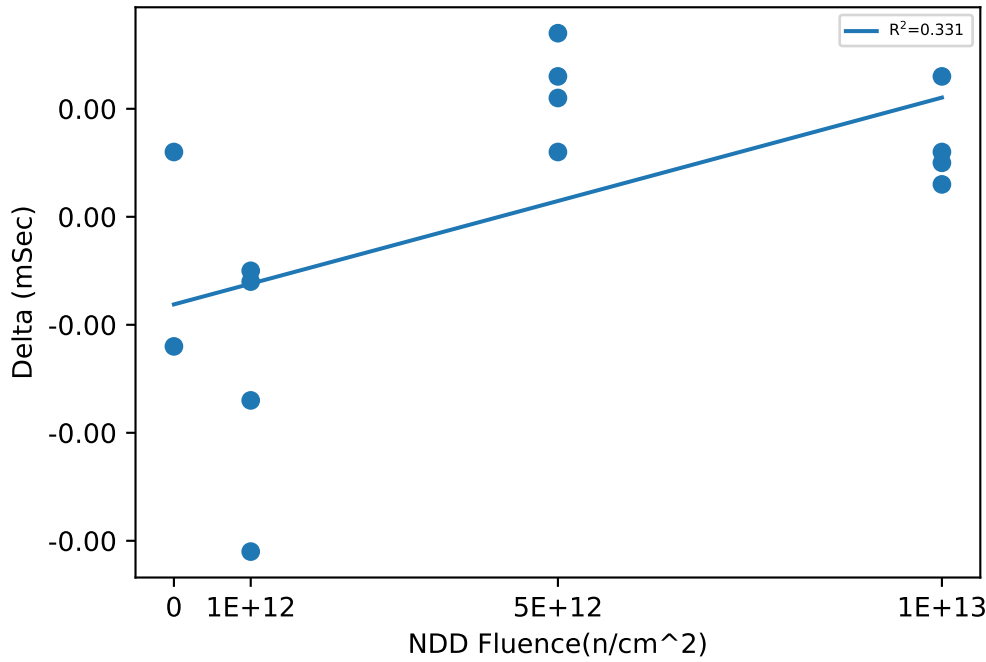
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2682	0.2677	-0.0005
2	1e+12	NDD Unbiased	0.2729	0.2698	-0.0031
3	1e+12	NDD Unbiased	0.2703	0.2697	-0.0006
4	1e+12	NDD Unbiased	0.2693	0.2676	-0.0017
5	5e+12	NDD Unbiased	0.2693	0.271	0.0017
6	5e+12	NDD Unbiased	0.2676	0.2682	0.0006
7	5e+12	NDD Unbiased	0.2697	0.2708	0.0011
8	5e+12	NDD Unbiased	0.2687	0.27	0.0013
9	1e+13	NDD Unbiased	0.2616	0.2622	0.0006
10	1e+13	NDD Unbiased	0.2689	0.2694	0.0005
11	1e+13	NDD Unbiased	0.2613	0.2616	0.0003
12	1e+13	NDD Unbiased	0.261	0.2623	0.0013
53	0	Correlation	0.2615	0.2603	-0.0012
54	0	Correlation	0.2762	0.2768	0.0006

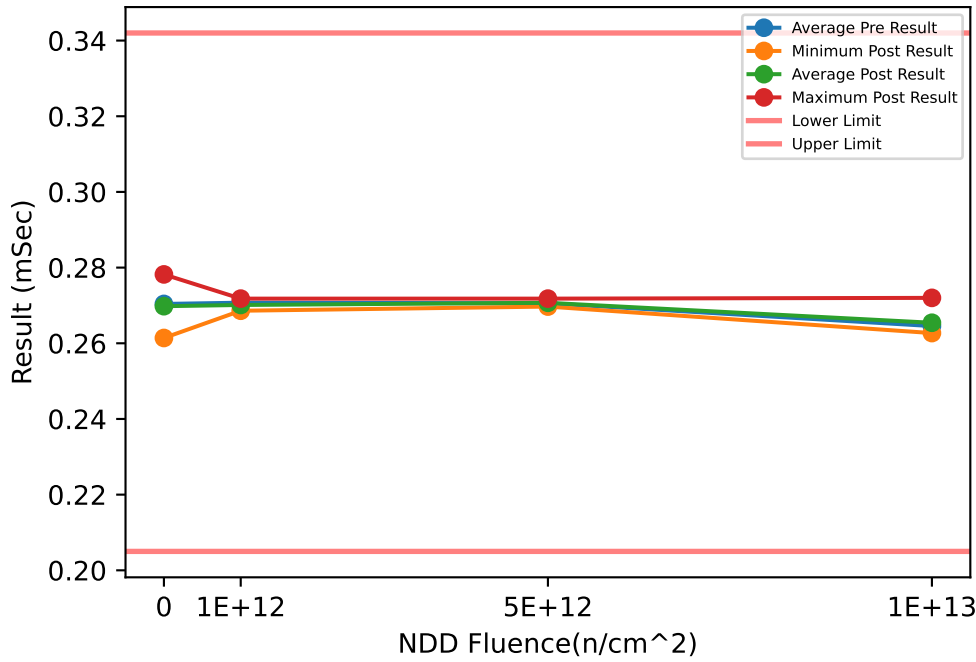
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2615	0.26885	0.2762	0.010394	0.2603	0.26855	0.2768	0.011667	-0.0012	-0.0003	0.0006	0.0012728
1e+12	0.2682	0.27017	0.2729	0.0020089	0.2676	0.2687	0.2698	0.0012138	-0.0031	-0.001475	-0.0005	0.0012121
5e+12	0.2676	0.26882	0.2697	0.00091424	0.2682	0.27	0.271	0.0012754	0.0006	0.001175	0.0017	0.00045735
1e+13	0.261	0.2632	0.2689	0.0038079	0.2616	0.26387	0.2694	0.0036963	0.0003	0.000675	0.0013	0.00043493

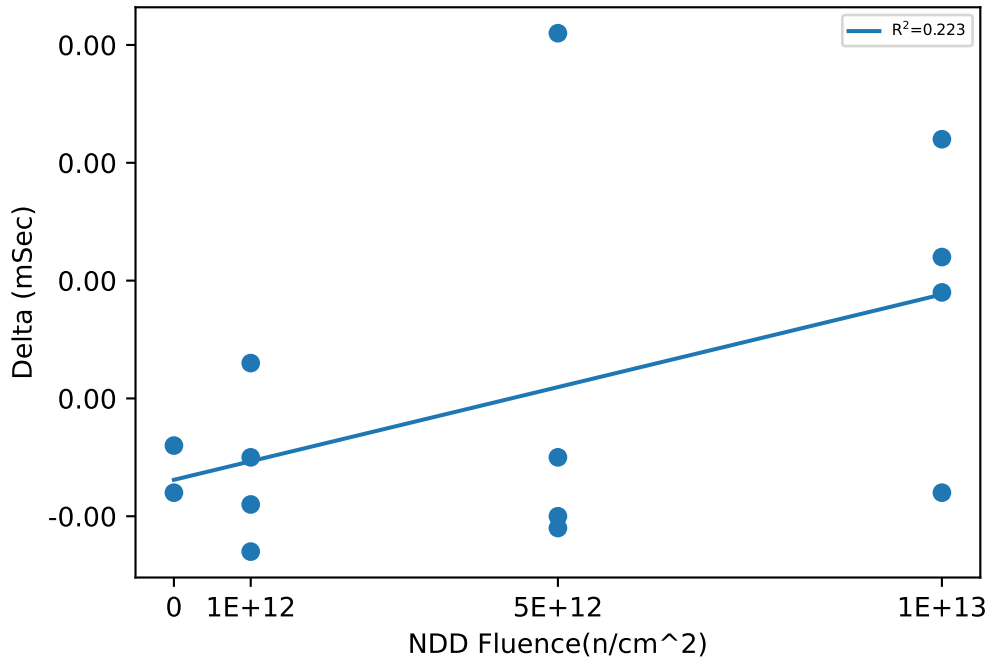
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2695	0.2686	-0.0009
2	1e+12	NDD Unbiased	0.2714	0.2701	-0.0013
3	1e+12	NDD Unbiased	0.2723	0.2718	-0.0005
4	1e+12	NDD Unbiased	0.2697	0.27	0.0003
5	5e+12	NDD Unbiased	0.2708	0.2703	-0.0005
6	5e+12	NDD Unbiased	0.2679	0.271	0.0031
7	5e+12	NDD Unbiased	0.2728	0.2718	-0.001
8	5e+12	NDD Unbiased	0.2708	0.2697	-0.0011
9	1e+13	NDD Unbiased	0.2639	0.2631	-0.0008
10	1e+13	NDD Unbiased	0.2708	0.272	0.0012
11	1e+13	NDD Unbiased	0.2618	0.2627	0.0009
12	1e+13	NDD Unbiased	0.2617	0.2639	0.0022
53	0	Correlation	0.2618	0.2614	-0.0004
54	0	Correlation	0.279	0.2782	-0.0008

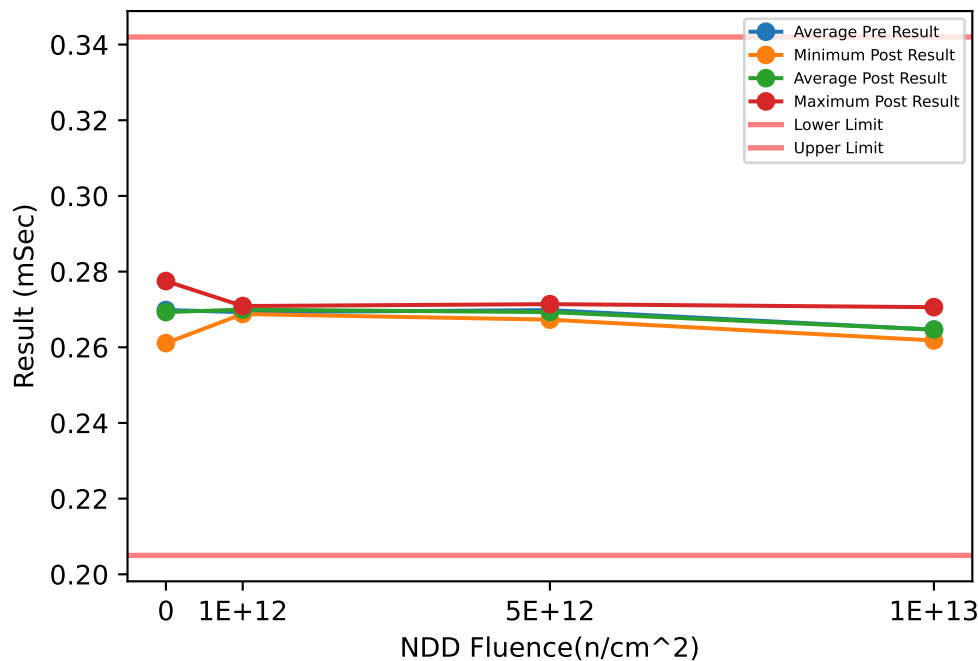
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2618	0.2704	0.279	0.012162	0.2614	0.2698	0.2782	0.011879	-0.0008	-0.0006	-0.0004	0.00028284
1e+12	0.2695	0.27072	0.2723	0.0013525	0.2686	0.27013	0.2718	0.0013099	-0.0013	-0.0006	0.0003	0.00068313
5e+12	0.2679	0.27058	0.2728	0.0020172	0.2697	0.2707	0.2718	0.00090554	-0.0011	0.000125	0.0031	0.0020006
1e+13	0.2617	0.26455	0.2708	0.0042884	0.2627	0.26543	0.272	0.0044116	-0.0008	0.000875	0.0022	0.0012473

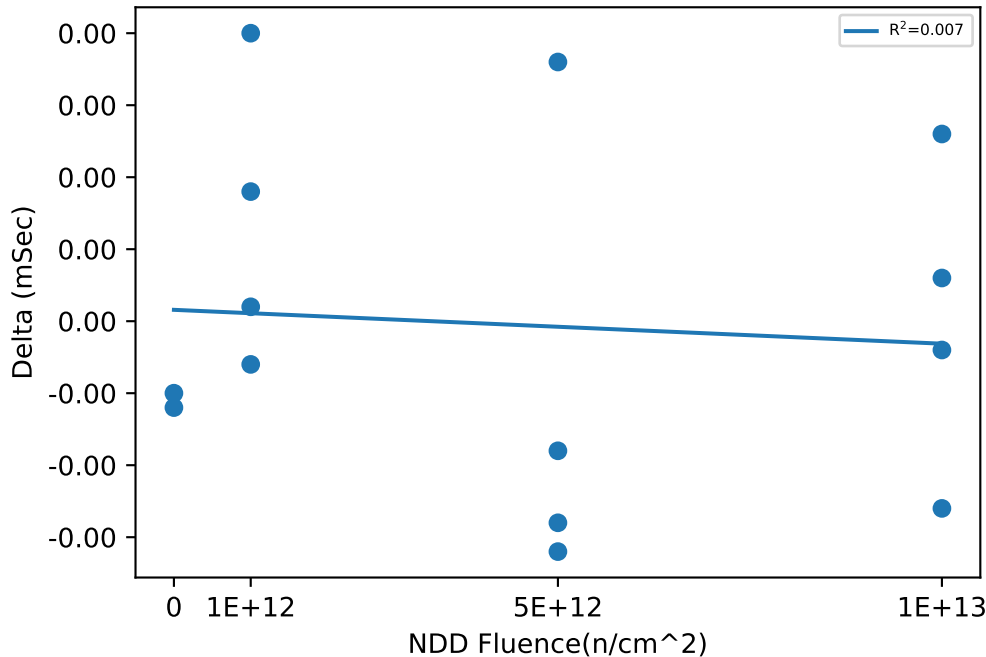
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2674	0.2694	0.002
2	1e+12	NDD Unbiased	0.27	0.2709	0.0009
3	1e+12	NDD Unbiased	0.2706	0.2707	0.0001
4	1e+12	NDD Unbiased	0.2691	0.2688	-0.0003
5	5e+12	NDD Unbiased	0.271	0.2694	-0.0016
6	5e+12	NDD Unbiased	0.2687	0.2673	-0.0014
7	5e+12	NDD Unbiased	0.2696	0.2714	0.0018
8	5e+12	NDD Unbiased	0.27	0.2691	-0.0009
9	1e+13	NDD Unbiased	0.2624	0.2637	0.0013
10	1e+13	NDD Unbiased	0.2708	0.2706	-0.0002
11	1e+13	NDD Unbiased	0.2631	0.2618	-0.0013
12	1e+13	NDD Unbiased	0.2623	0.2626	0.0003
53	0	Correlation	0.2616	0.2611	-0.0005
54	0	Correlation	0.2781	0.2775	-0.0006

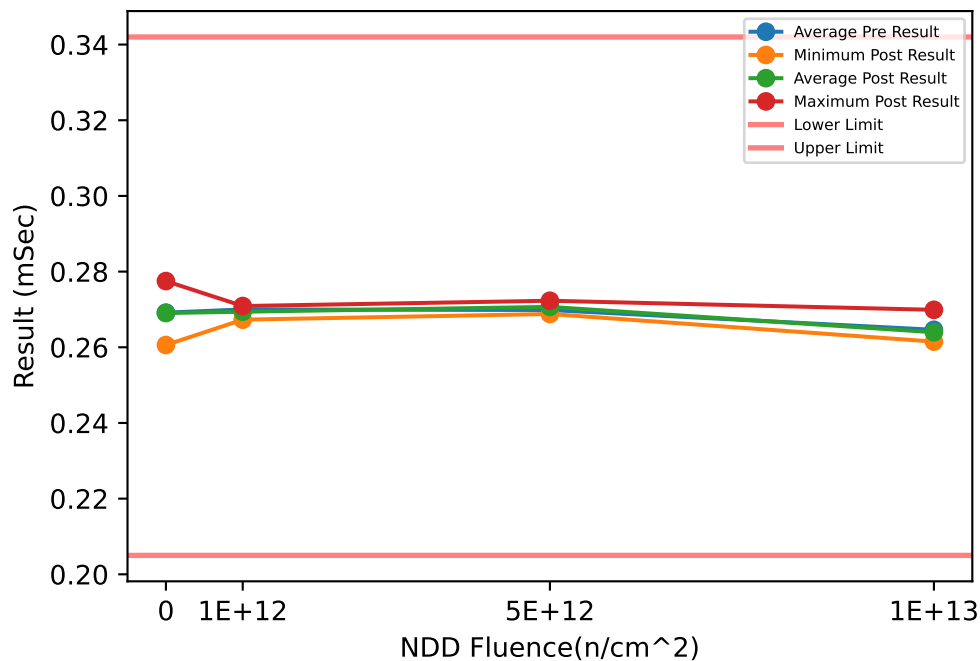
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2616	0.26985	0.2781	0.011667	0.2611	0.2693	0.2775	0.011597	-0.0006	-0.00055	-0.0005	7.0711e-05
1e+12	0.2674	0.26928	0.2706	0.0013937	0.2688	0.26995	0.2709	0.0010149	-0.0003	0.000675	0.002	0.0010145
5e+12	0.2687	0.26982	0.271	0.0009535	0.2673	0.2693	0.2714	0.0016793	-0.0016	-0.000525	0.0018	0.0015777
1e+13	0.2623	0.26465	0.2708	0.0041154	0.2618	0.26467	0.2706	0.0040261	-0.0013	2.5e-05	0.0013	0.0010813

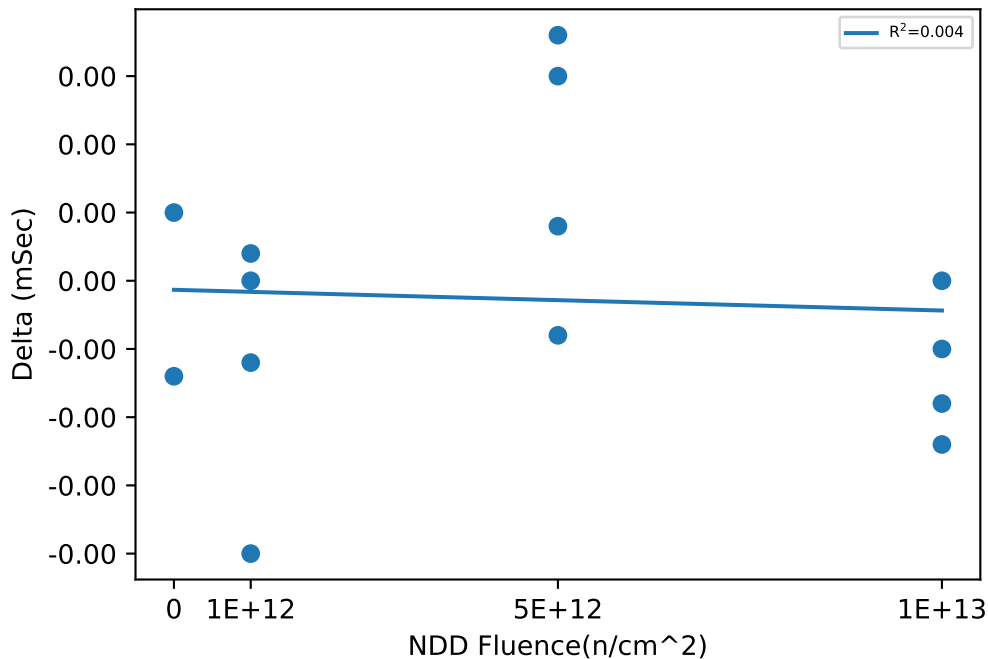
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2691	0.2691	0
2	1e+12	NDD Unbiased	0.2709	0.2703	-0.0006
3	1e+12	NDD Unbiased	0.2707	0.2709	0.0002
4	1e+12	NDD Unbiased	0.2693	0.2673	-0.002
5	5e+12	NDD Unbiased	0.2701	0.2716	0.0015
6	5e+12	NDD Unbiased	0.2684	0.2688	0.0004
7	5e+12	NDD Unbiased	0.2705	0.2723	0.0018
8	5e+12	NDD Unbiased	0.2704	0.27	-0.0004
9	1e+13	NDD Unbiased	0.2633	0.2628	-0.0005
10	1e+13	NDD Unbiased	0.2711	0.2699	-0.0012
11	1e+13	NDD Unbiased	0.2615	0.2615	0
12	1e+13	NDD Unbiased	0.2626	0.2617	-0.0009
53	0	Correlation	0.2601	0.2606	0.0005
54	0	Correlation	0.2782	0.2775	-0.0007

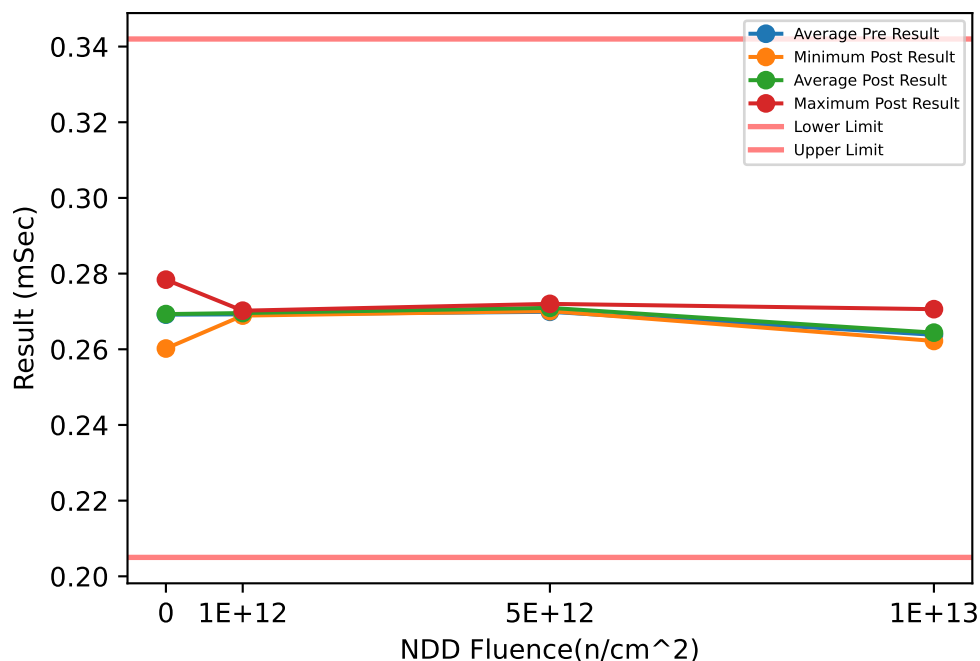
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2601	0.26915	0.2782	0.012799	0.2606	0.26905	0.2775	0.01195	-0.0007	-0.0001	0.0005	0.00084853
1e+12	0.2691	0.27	0.2709	0.00093095	0.2673	0.2694	0.2709	0.0015875	-0.002	-0.0006	0.0002	0.00099331
5e+12	0.2684	0.26985	0.2705	0.0009815	0.2688	0.27067	0.2723	0.0015777	-0.0004	0.000825	0.0018	0.0010145
1e+13	0.2615	0.26462	0.2711	0.0043798	0.2615	0.26397	0.2699	0.0039911	-0.0012	-0.00065	0	0.00051962

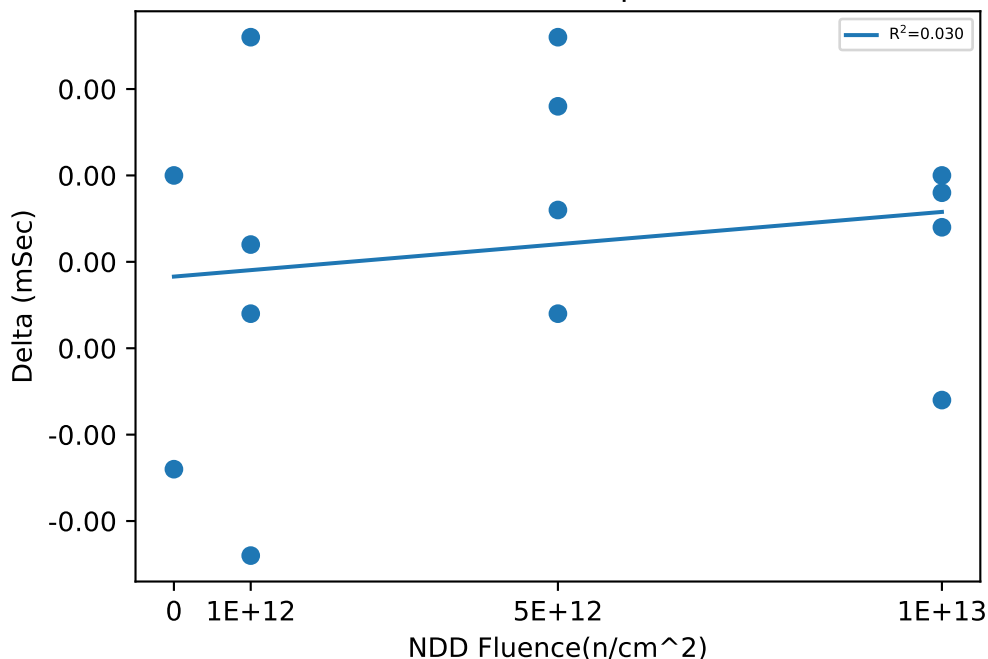
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2671	0.2689	0.0018
2	1e+12	NDD Unbiased	0.2709	0.2697	-0.0012
3	1e+12	NDD Unbiased	0.27	0.2702	0.0002
4	1e+12	NDD Unbiased	0.2689	0.2695	0.0006
5	5e+12	NDD Unbiased	0.2703	0.2711	0.0008
6	5e+12	NDD Unbiased	0.2687	0.2701	0.0014
7	5e+12	NDD Unbiased	0.2704	0.2706	0.0002
8	5e+12	NDD Unbiased	0.2702	0.272	0.0018
9	1e+13	NDD Unbiased	0.2626	0.2623	-0.0003
10	1e+13	NDD Unbiased	0.2697	0.2706	0.0009
11	1e+13	NDD Unbiased	0.2618	0.2625	0.0007
12	1e+13	NDD Unbiased	0.2612	0.2622	0.001
53	0	Correlation	0.2609	0.2602	-0.0007
54	0	Correlation	0.2774	0.2784	0.001

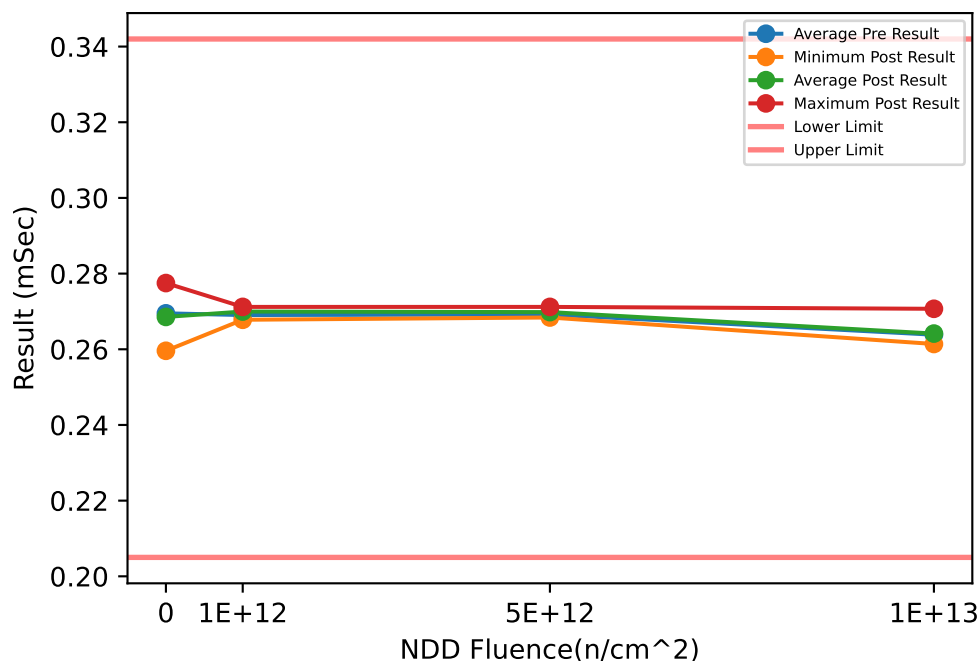
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2609	0.26915	0.2774	0.011667	0.2602	0.2693	0.2784	0.012869	-0.0007	0.00015	0.001	0.0012021
1e+12	0.2671	0.26922	0.2709	0.0016358	0.2689	0.26958	0.2702	0.00053774	-0.0012	0.00035	0.0018	0.0012369
5e+12	0.2687	0.2699	0.2704	0.00080416	0.2701	0.27095	0.272	0.00081035	0.0002	0.00105	0.0018	0.0007
1e+13	0.2612	0.26382	0.2697	0.0039584	0.2622	0.2644	0.2706	0.0041352	-0.0003	0.000575	0.001	0.00059652

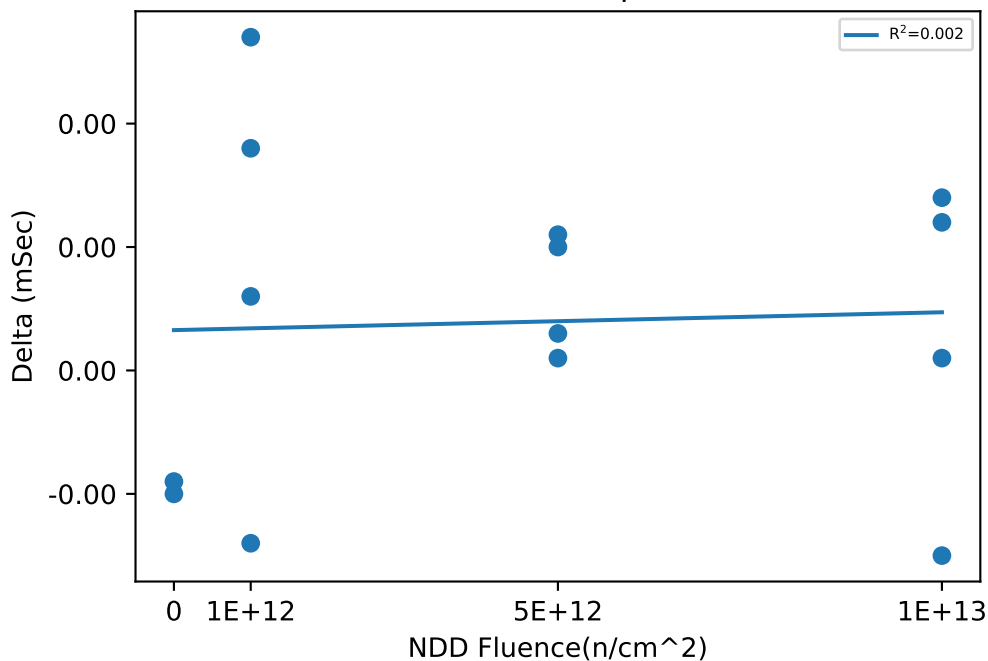
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2671	0.2698	0.0027
2	1e+12	NDD Unbiased	0.2693	0.2711	0.0018
3	1e+12	NDD Unbiased	0.2706	0.2712	0.0006
4	1e+12	NDD Unbiased	0.2692	0.2678	-0.0014
5	5e+12	NDD Unbiased	0.2696	0.2697	0.0001
6	5e+12	NDD Unbiased	0.2674	0.2684	0.001
7	5e+12	NDD Unbiased	0.2701	0.2712	0.0011
8	5e+12	NDD Unbiased	0.2697	0.27	0.0003
9	1e+13	NDD Unbiased	0.2624	0.2625	0.0001
10	1e+13	NDD Unbiased	0.2693	0.2707	0.0014
11	1e+13	NDD Unbiased	0.2629	0.2614	-0.0015
12	1e+13	NDD Unbiased	0.2608	0.262	0.0012
53	0	Correlation	0.2605	0.2596	-0.0009
54	0	Correlation	0.2785	0.2775	-0.001

NDD vs Post - Pre Exposure Delta

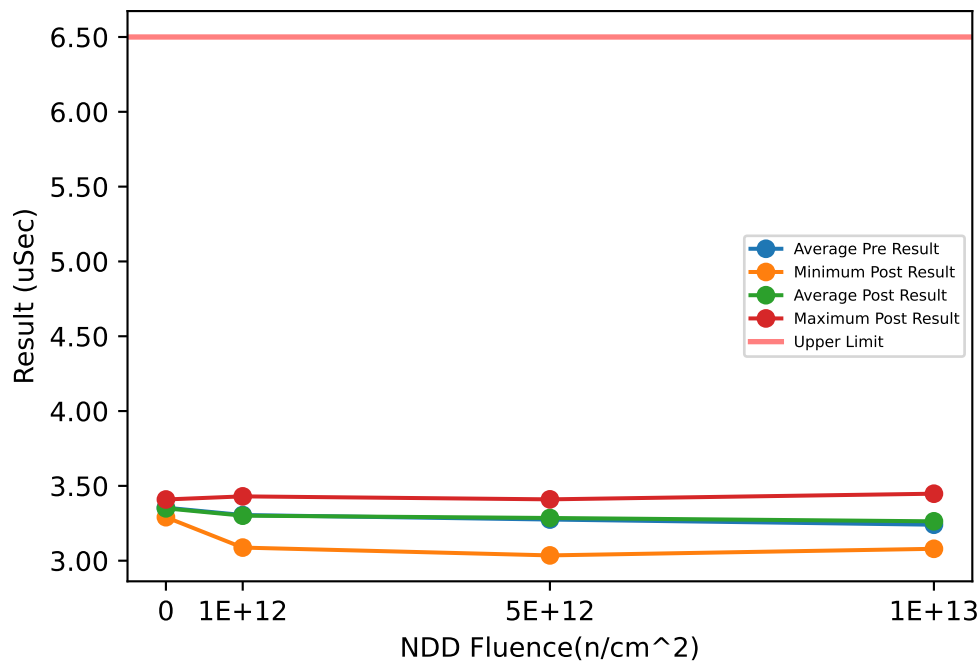


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2605	0.2695	0.2785	0.012728	0.2596	0.26855	0.2775	0.012657	-0.001	-0.00095	-0.0009	7.0711e-05
1e+12	0.2671	0.26905	0.2706	0.001448	0.2678	0.26997	0.2712	0.001584	-0.0014	0.000925	0.0027	0.0017727
5e+12	0.2674	0.2692	0.2701	0.0012193	0.2684	0.26982	0.2712	0.00115	0.0001	0.000625	0.0011	0.00049917
1e+13	0.2608	0.26385	0.2693	0.0037421	0.2614	0.26415	0.2707	0.0043898	-0.0015	0.0003	0.0014	0.0013292

Device Test: 17.12 TPD_PWRGD(_DELAY|STEP_DOWN/PWRGD/1.6/3/0/0/0/@TPD_PWRGD)

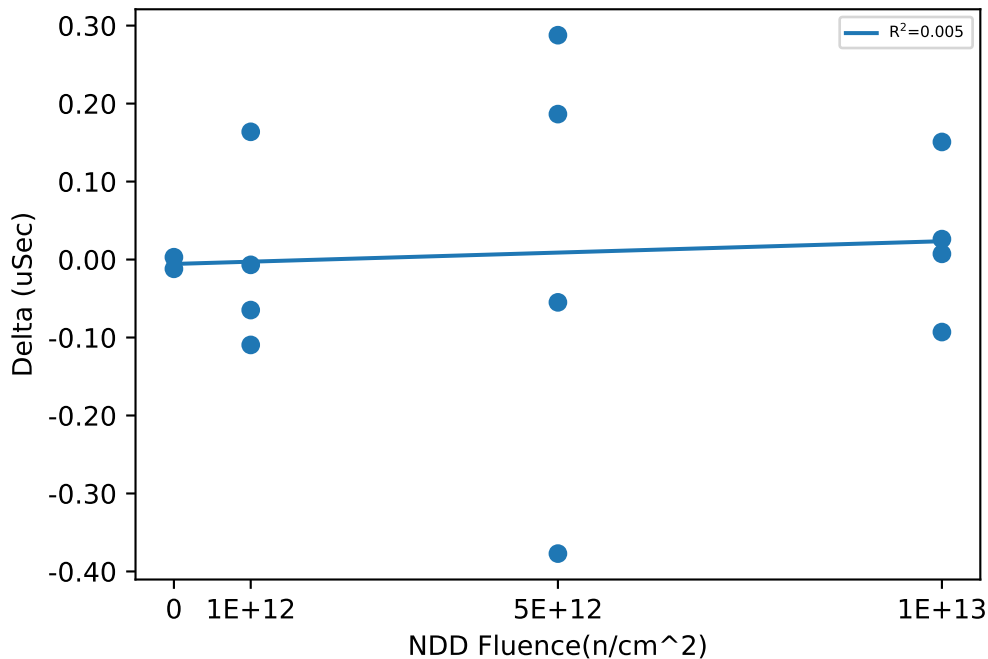
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.418	3.3532	-0.0648
2	1e+12	NDD Unbiased	3.2661	3.4299	0.1638
3	1e+12	NDD Unbiased	3.4425	3.333	-0.1095
4	1e+12	NDD Unbiased	3.0944	3.0876	-0.0068
5	5e+12	NDD Unbiased	3.4125	3.0354	-0.3771
6	5e+12	NDD Unbiased	3.4649	3.41	-0.0549
7	5e+12	NDD Unbiased	3.186	3.3725	0.1865
8	5e+12	NDD Unbiased	3.0364	3.3241	0.2877
9	1e+13	NDD Unbiased	3.3035	3.3108	0.0073
10	1e+13	NDD Unbiased	3.2969	3.4477	0.1508
11	1e+13	NDD Unbiased	3.1725	3.0795	-0.093
12	1e+13	NDD Unbiased	3.1887	3.2149	0.0262
53	0	Correlation	3.2877	3.2907	0.003
54	0	Correlation	3.421	3.4091	-0.0119

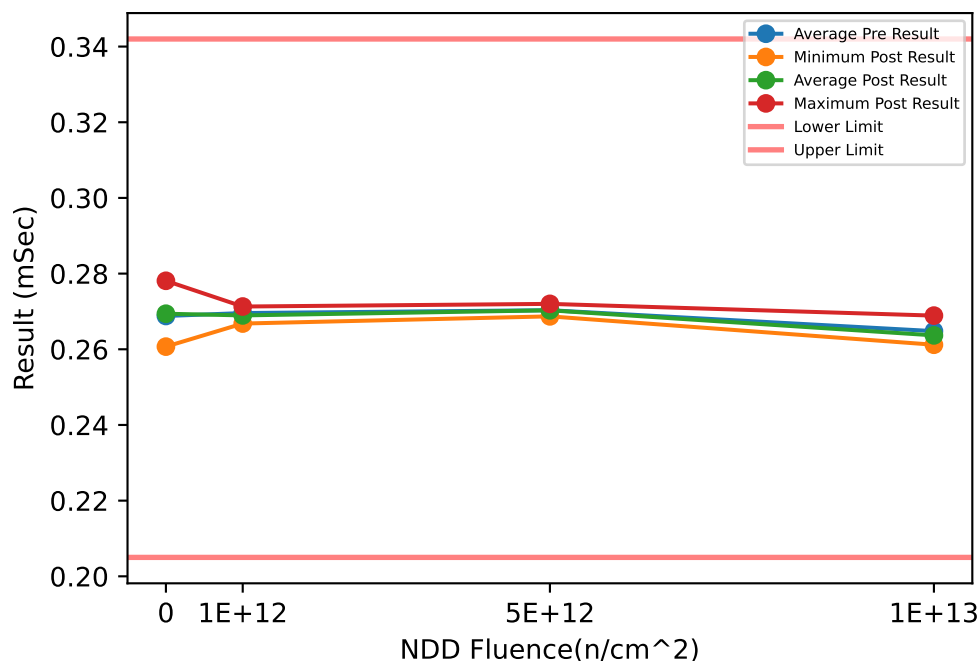
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2877	3.3544	3.421	0.094257	3.2907	3.3499	3.4091	0.083721	-0.0119	-0.00445	0.003	0.010536
1e+12	3.0944	3.3053	3.4425	0.16077	3.0876	3.3009	3.4299	0.14822	-0.1095	-0.004325	0.1638	0.11971
5e+12	3.0364	3.275	3.4649	0.19985	3.0354	3.2855	3.41	0.1704	-0.3771	0.01055	0.2877	0.29571
1e+13	3.1725	3.2404	3.3035	0.069419	3.0795	3.2632	3.4477	0.15533	-0.093	0.022825	0.1508	0.10008

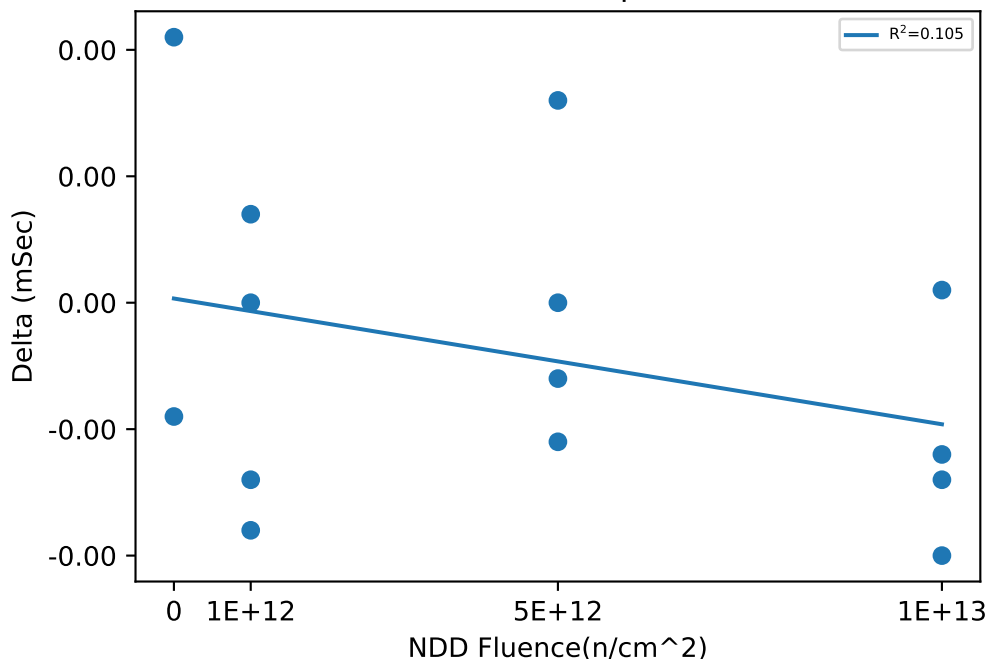
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2686	0.2668	-0.0018
2	1e+12	NDD Unbiased	0.2705	0.2691	-0.0014
3	1e+12	NDD Unbiased	0.2706	0.2713	0.0007
4	1e+12	NDD Unbiased	0.2686	0.2686	0
5	5e+12	NDD Unbiased	0.2704	0.272	0.0016
6	5e+12	NDD Unbiased	0.2687	0.2687	0
7	5e+12	NDD Unbiased	0.2713	0.2702	-0.0011
8	5e+12	NDD Unbiased	0.2709	0.2703	-0.0006
9	1e+13	NDD Unbiased	0.2632	0.2612	-0.002
10	1e+13	NDD Unbiased	0.2703	0.2689	-0.0014
11	1e+13	NDD Unbiased	0.2632	0.262	-0.0012
12	1e+13	NDD Unbiased	0.2625	0.2626	0.0001
53	0	Correlation	0.2616	0.2607	-0.0009
54	0	Correlation	0.276	0.2781	0.0021

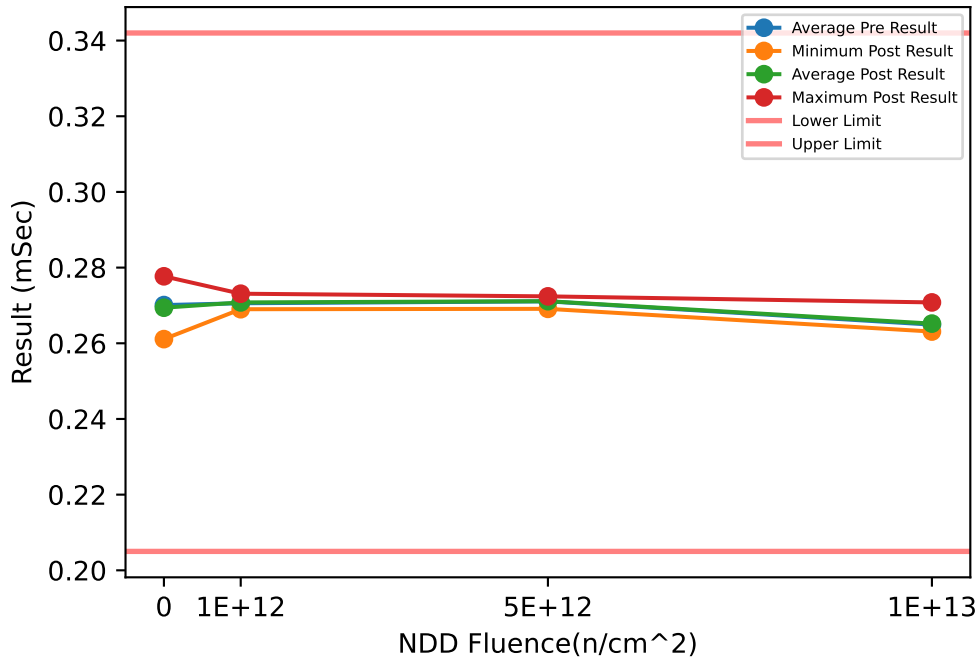
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2616	0.2688	0.276	0.010182	0.2607	0.2694	0.2781	0.012304	-0.0009	0.0006	0.0021	0.0021213
1e+12	0.2686	0.26958	0.2706	0.0011266	0.2668	0.26895	0.2713	0.001852	-0.0018	-0.000625	0.0007	0.001173
5e+12	0.2687	0.27032	0.2713	0.0011442	0.2687	0.2703	0.272	0.0013491	-0.0011	-2.5e-05	0.0016	0.001173
1e+13	0.2625	0.2648	0.2703	0.0036815	0.2612	0.26367	0.2689	0.0035302	-0.002	-0.001125	0.0001	0.00088459

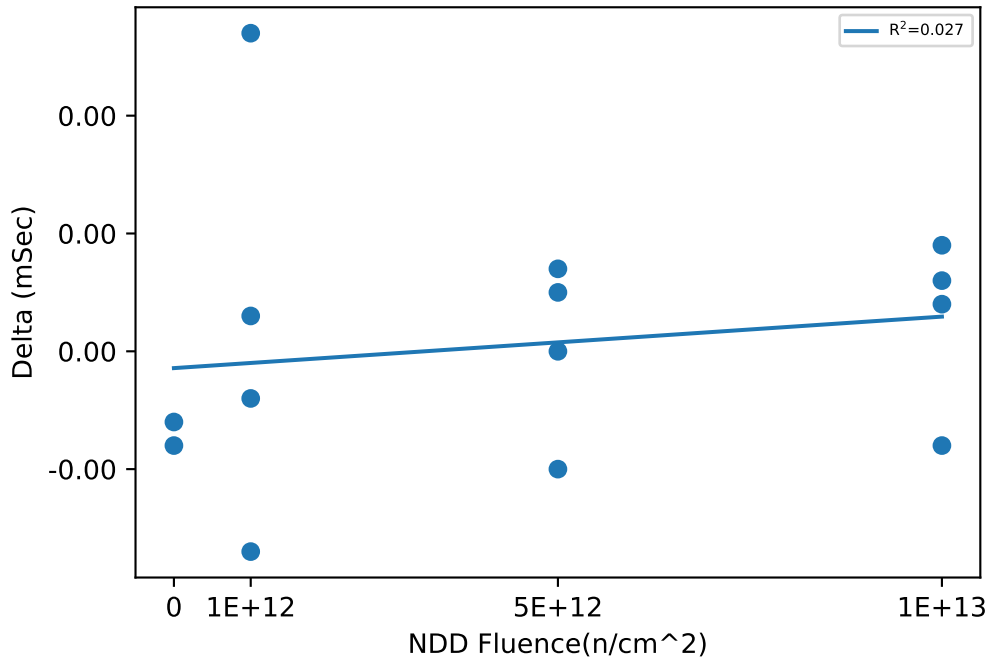
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2701	0.2697	-0.0004
2	1e+12	NDD Unbiased	0.2704	0.2731	0.0027
3	1e+12	NDD Unbiased	0.2711	0.2714	0.0003
4	1e+12	NDD Unbiased	0.2707	0.269	-0.0017
5	5e+12	NDD Unbiased	0.2705	0.2712	0.0007
6	5e+12	NDD Unbiased	0.2691	0.2691	0
7	5e+12	NDD Unbiased	0.2728	0.2718	-0.001
8	5e+12	NDD Unbiased	0.2719	0.2724	0.0005
9	1e+13	NDD Unbiased	0.264	0.2632	-0.0008
10	1e+13	NDD Unbiased	0.2702	0.2708	0.0006
11	1e+13	NDD Unbiased	0.2622	0.2631	0.0009
12	1e+13	NDD Unbiased	0.2633	0.2637	0.0004
53	0	Correlation	0.2619	0.2611	-0.0008
54	0	Correlation	0.2783	0.2777	-0.0006

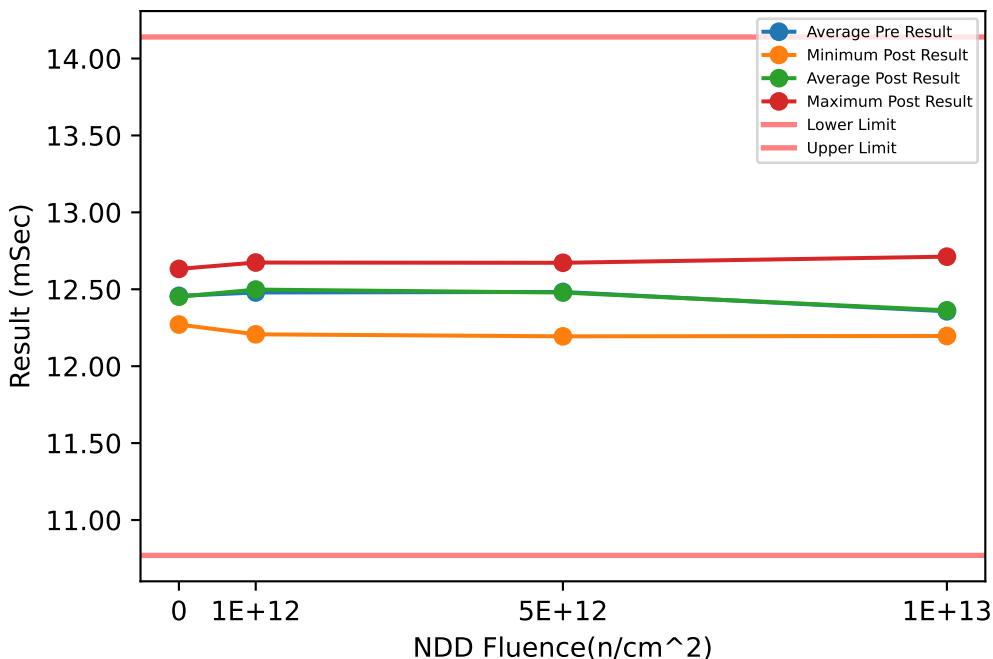
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2619	0.2701	0.2783	0.011597	0.2611	0.2694	0.2777	0.011738	-0.0008	-0.0007	-0.0006	0.00014142
1e+12	0.2701	0.27058	0.2711	0.0004272	0.269	0.2708	0.2731	0.0018348	-0.0017	0.000225	0.0027	0.0018464
5e+12	0.2691	0.27108	0.2728	0.0016215	0.2691	0.27113	0.2724	0.0014361	-0.001	5e-05	0.0007	0.00075939
1e+13	0.2622	0.26492	0.2702	0.0035939	0.2631	0.2652	0.2708	0.0037425	-0.0008	0.000275	0.0009	0.00074554

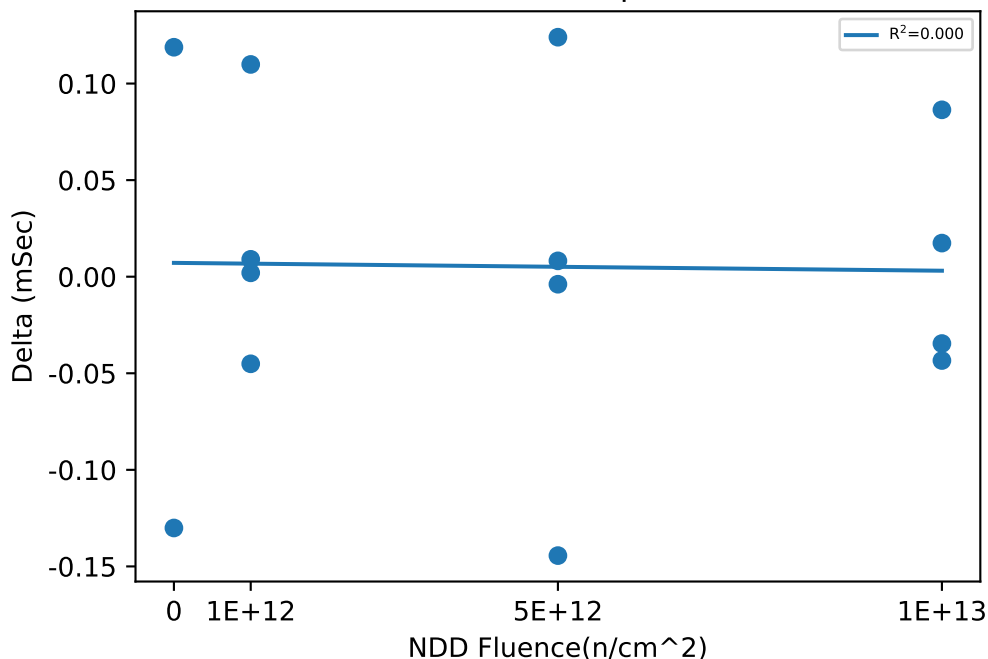
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.502	12.504	0.002
2	1e+12	NDD Unbiased	12.564	12.674	0.1099
3	1e+12	NDD Unbiased	12.598	12.607	0.009
4	1e+12	NDD Unbiased	12.252	12.207	-0.0451
5	5e+12	NDD Unbiased	12.489	12.497	0.0082
6	5e+12	NDD Unbiased	12.338	12.194	-0.1444
7	5e+12	NDD Unbiased	12.676	12.672	-0.0039
8	5e+12	NDD Unbiased	12.427	12.551	0.124
9	1e+13	NDD Unbiased	12.316	12.273	-0.0434
10	1e+13	NDD Unbiased	12.626	12.712	0.0864
11	1e+13	NDD Unbiased	12.307	12.272	-0.0346
12	1e+13	NDD Unbiased	12.179	12.196	0.0174
53	0	Correlation	12.152	12.271	0.1188
54	0	Correlation	12.762	12.632	-0.1301

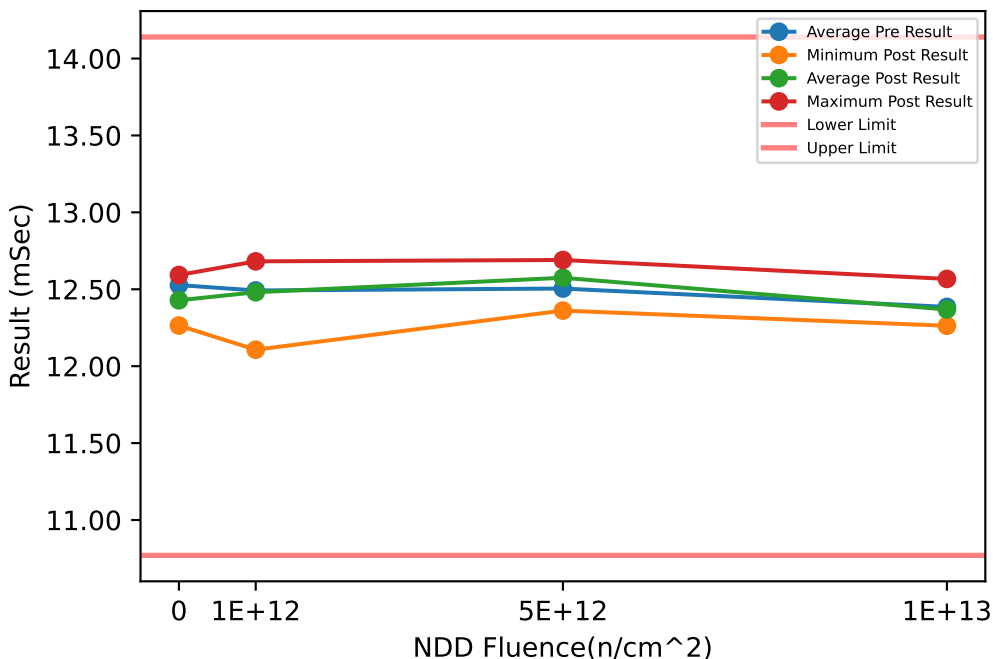
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.152	12.457	12.762	0.43176	12.271	12.452	12.632	0.25576	-0.1301	-0.00565	0.1188	0.176
1e+12	12.252	12.479	12.598	0.15639	12.207	12.498	12.674	0.20613	-0.0451	0.01895	0.1099	0.065219
5e+12	12.338	12.483	12.676	0.14297	12.194	12.479	12.672	0.20334	-0.1444	-0.004025	0.124	0.10992
1e+13	12.179	12.357	12.626	0.18978	12.196	12.363	12.712	0.23521	-0.0434	0.00645	0.0864	0.059671

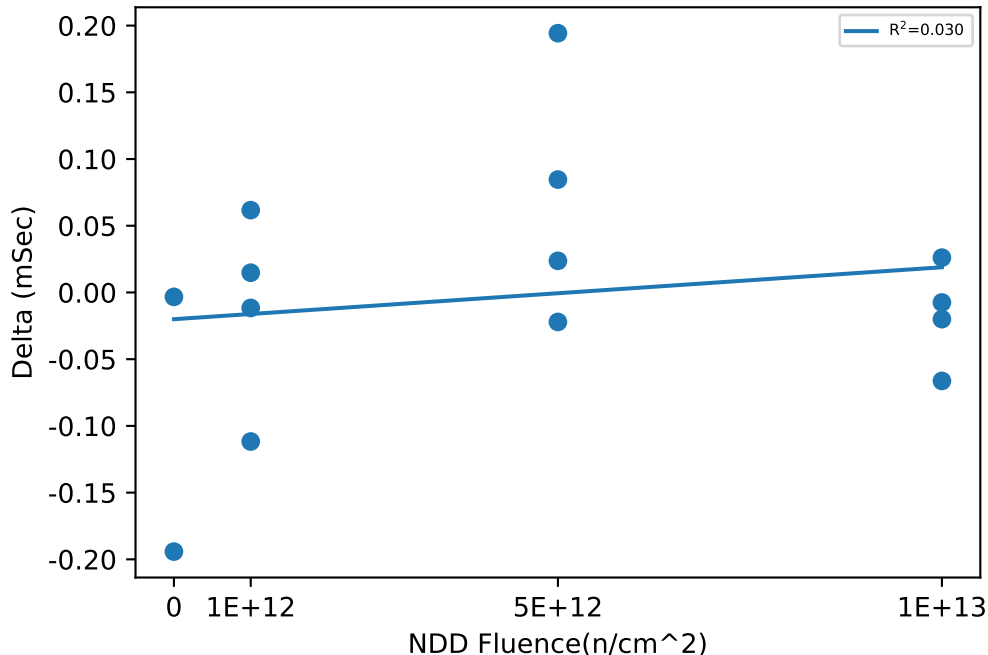
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.494	12.483	-0.0116
2	1e+12	NDD Unbiased	12.62	12.682	0.0617
3	1e+12	NDD Unbiased	12.636	12.651	0.0148
4	1e+12	NDD Unbiased	12.219	12.107	-0.1117
5	5e+12	NDD Unbiased	12.474	12.668	0.1943
6	5e+12	NDD Unbiased	12.338	12.361	0.0237
7	5e+12	NDD Unbiased	12.606	12.69	0.0846
8	5e+12	NDD Unbiased	12.602	12.58	-0.0221
9	1e+13	NDD Unbiased	12.329	12.263	-0.0663
10	1e+13	NDD Unbiased	12.587	12.567	-0.02
11	1e+13	NDD Unbiased	12.29	12.282	-0.0075
12	1e+13	NDD Unbiased	12.335	12.361	0.0261
53	0	Correlation	12.268	12.264	-0.0033
54	0	Correlation	12.787	12.593	-0.1942

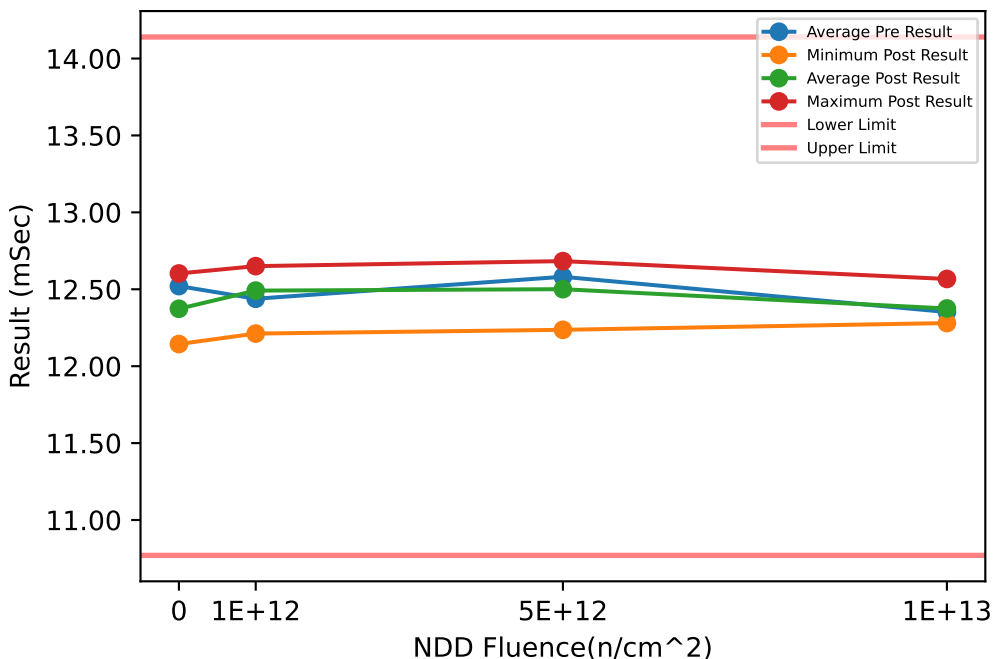
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.268	12.527	12.787	0.36734	12.264	12.428	12.593	0.23236	-0.1942	-0.09875	-0.0033	0.13499
1e+12	12.219	12.492	12.636	0.19307	12.107	12.481	12.682	0.26393	-0.1117	-0.0117	0.0617	0.073234
5e+12	12.338	12.505	12.606	0.12723	12.361	12.575	12.69	0.15008	-0.0221	0.070125	0.1943	0.093612
1e+13	12.29	12.385	12.587	0.13617	12.263	12.368	12.567	0.1393	-0.0663	-0.016925	0.0261	0.038242

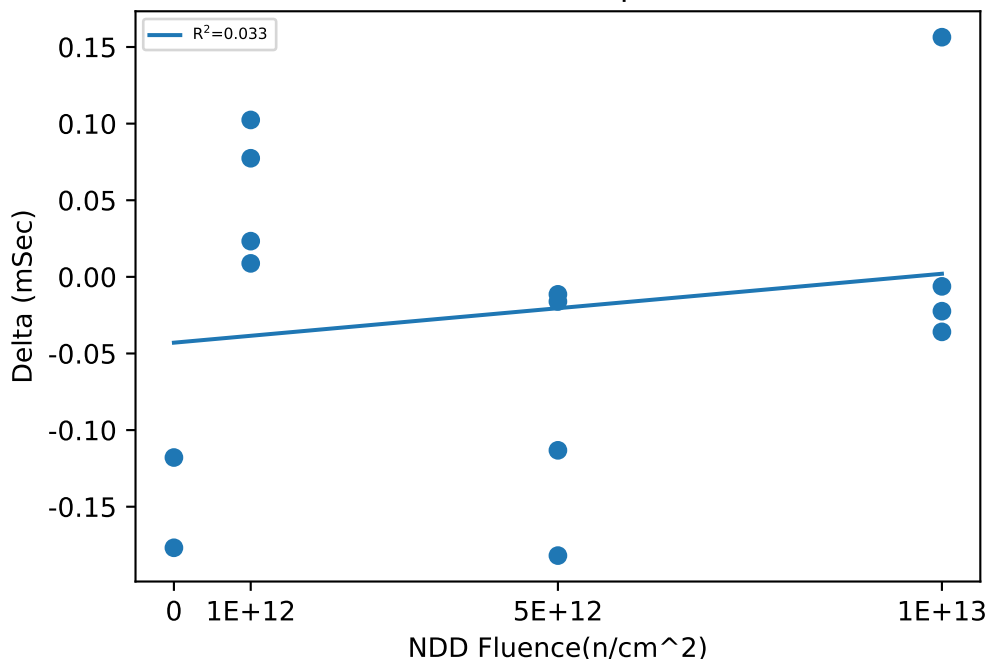
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.489	12.498	0.0088
2	1e+12	NDD Unbiased	12.528	12.605	0.0774
3	1e+12	NDD Unbiased	12.627	12.65	0.0233
4	1e+12	NDD Unbiased	12.11	12.212	0.1024
5	5e+12	NDD Unbiased	12.666	12.655	-0.0114
6	5e+12	NDD Unbiased	12.35	12.236	-0.1132
7	5e+12	NDD Unbiased	12.699	12.683	-0.0161
8	5e+12	NDD Unbiased	12.61	12.428	-0.1819
9	1e+13	NDD Unbiased	12.316	12.28	-0.0359
10	1e+13	NDD Unbiased	12.589	12.567	-0.0224
11	1e+13	NDD Unbiased	12.294	12.288	-0.0062
12	1e+13	NDD Unbiased	12.209	12.366	0.1564
53	0	Correlation	12.262	12.144	-0.1179
54	0	Correlation	12.78	12.603	-0.1768

NDD vs Post - Pre Exposure Delta

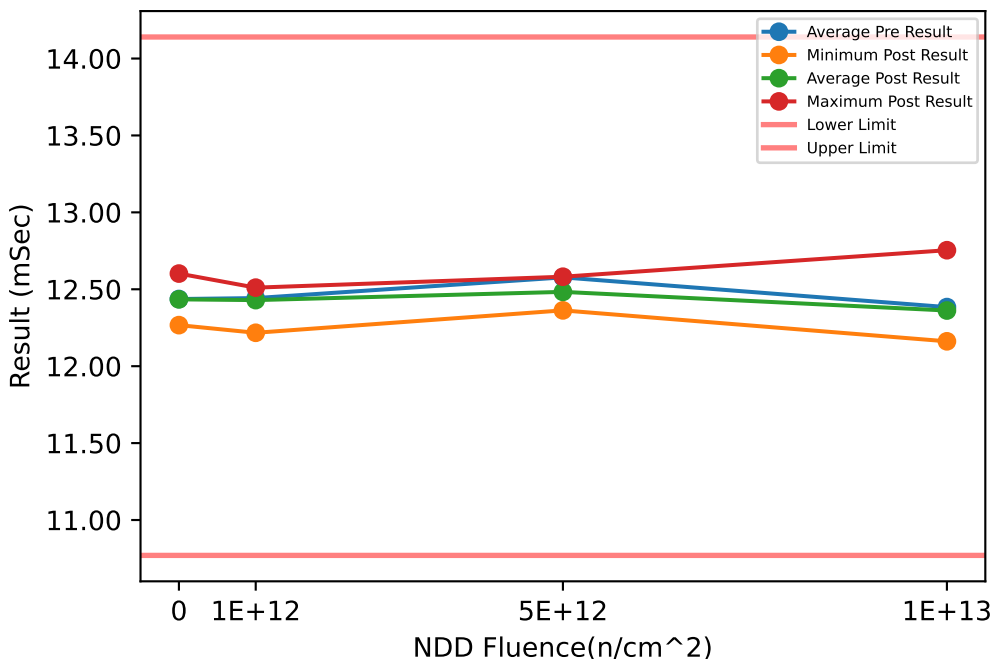


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.262	12.521	12.78	0.366	12.144	12.373	12.603	0.32435	-0.1768	-0.14735	-0.1179	0.041649
1e+12	12.11	12.438	12.627	0.22672	12.212	12.491	12.65	0.19689	0.0088	0.052975	0.1024	0.04424
5e+12	12.35	12.581	12.699	0.15875	12.236	12.501	12.683	0.20988	-0.1819	-0.08065	-0.0114	0.082206
1e+13	12.209	12.352	12.589	0.16475	12.28	12.375	12.567	0.13357	-0.0359	0.022975	0.1564	0.089775

Device Test: 17.125 DLY_TMR_500KOHM(_DELAY|STEP_UP/EN4/7/3/619K/0/0/@DLY_TMR_500KOHM)

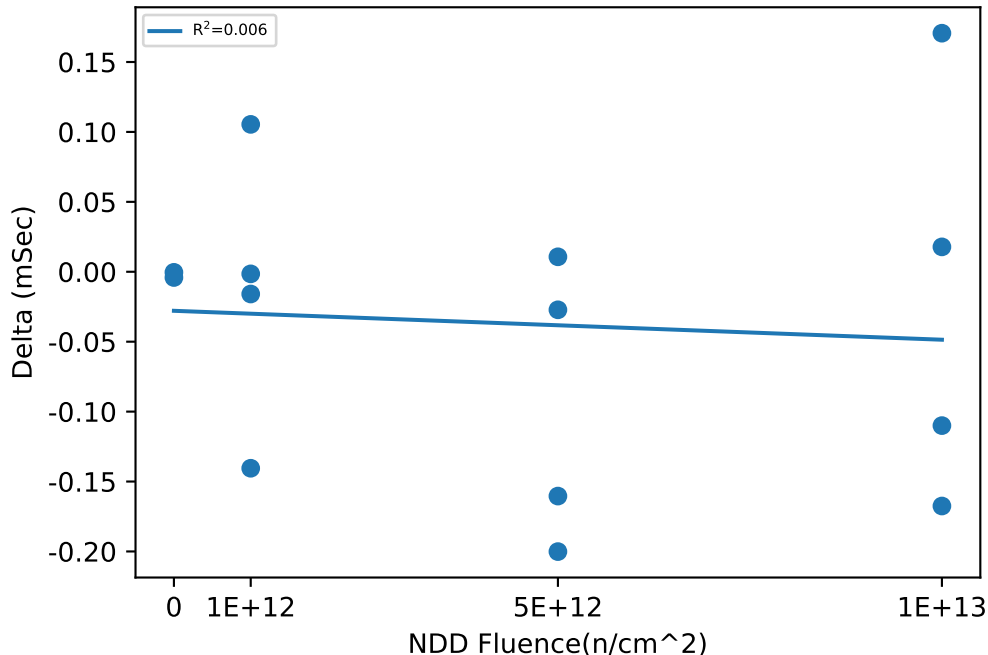
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.49	12.488	-0.0015
2	1e+12	NDD Unbiased	12.527	12.511	-0.0159
3	1e+12	NDD Unbiased	12.643	12.502	-0.1405
4	1e+12	NDD Unbiased	12.112	12.217	0.1054
5	5e+12	NDD Unbiased	12.65	12.49	-0.1604
6	5e+12	NDD Unbiased	12.352	12.363	0.0107
7	5e+12	NDD Unbiased	12.698	12.498	-0.2001
8	5e+12	NDD Unbiased	12.609	12.582	-0.0272
9	1e+13	NDD Unbiased	12.329	12.162	-0.1675
10	1e+13	NDD Unbiased	12.583	12.754	0.1706
11	1e+13	NDD Unbiased	12.285	12.175	-0.11
12	1e+13	NDD Unbiased	12.339	12.357	0.0178
53	0	Correlation	12.267	12.267	-0.0004
54	0	Correlation	12.606	12.602	-0.0041

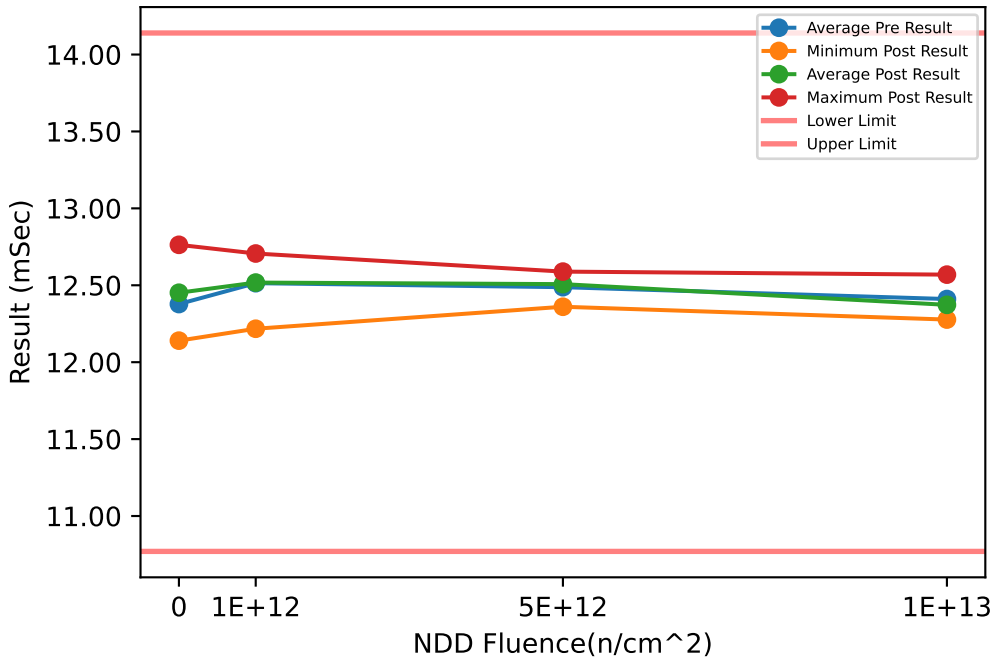
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.267	12.437	12.606	0.23964	12.267	12.434	12.602	0.23702	-0.0041	-0.00225	-0.0004	0.0026163
1e+12	12.112	12.443	12.643	0.23005	12.217	12.43	12.511	0.14188	-0.1405	-0.013125	0.1054	0.10069
5e+12	12.352	12.577	12.698	0.15455	12.363	12.483	12.582	0.090273	-0.2001	-0.09425	0.0107	0.1018
1e+13	12.285	12.384	12.583	0.13482	12.162	12.362	12.754	0.2761	-0.1675	-0.022275	0.1706	0.1501

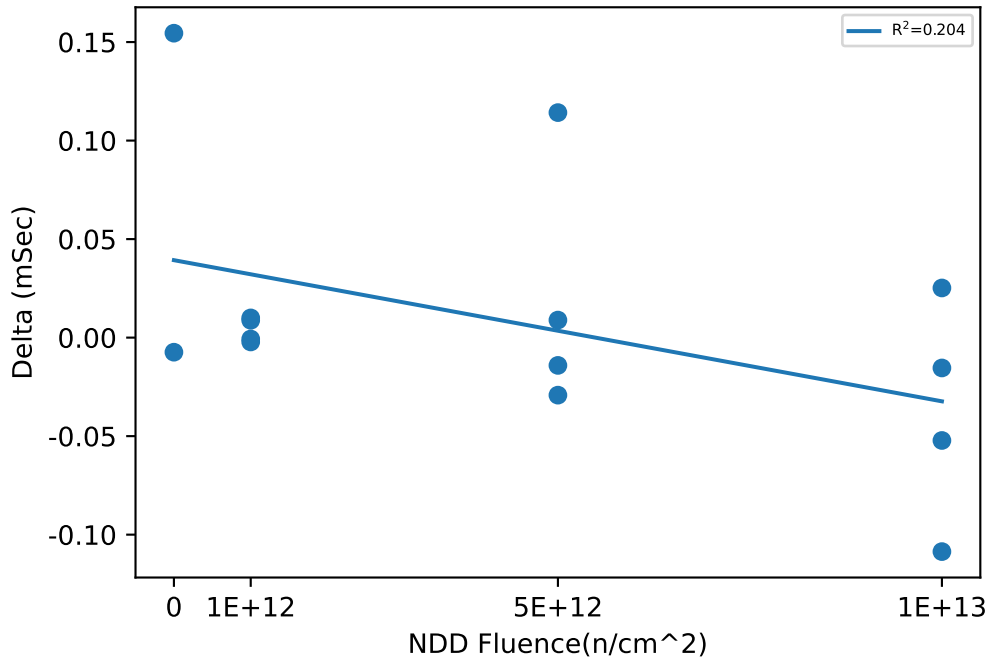
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.495	12.494	-0.0007
2	1e+12	NDD Unbiased	12.697	12.707	0.01
3	1e+12	NDD Unbiased	12.643	12.652	0.0088
4	1e+12	NDD Unbiased	12.22	12.217	-0.0022
5	5e+12	NDD Unbiased	12.475	12.589	0.1142
6	5e+12	NDD Unbiased	12.351	12.36	0.0089
7	5e+12	NDD Unbiased	12.512	12.498	-0.0141
8	5e+12	NDD Unbiased	12.612	12.583	-0.0292
9	1e+13	NDD Unbiased	12.331	12.279	-0.0522
10	1e+13	NDD Unbiased	12.678	12.569	-0.1086
11	1e+13	NDD Unbiased	12.293	12.277	-0.0154
12	1e+13	NDD Unbiased	12.341	12.366	0.0252
53	0	Correlation	12.147	12.14	-0.0074
54	0	Correlation	12.608	12.763	0.1545

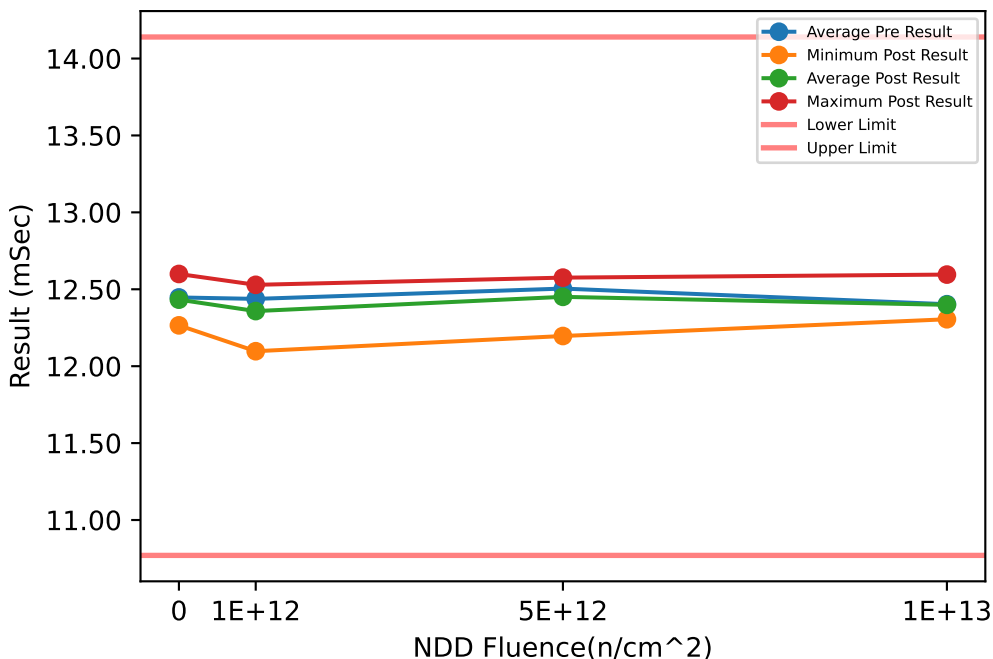
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.147	12.378	12.608	0.32605	12.14	12.451	12.763	0.44053	-0.0074	0.07355	0.1545	0.11448
1e+12	12.22	12.514	12.697	0.21372	12.217	12.518	12.707	0.2194	-0.0022	0.003975	0.01	0.0063131
5e+12	12.351	12.488	12.612	0.10775	12.36	12.508	12.589	0.10655	-0.0292	0.01995	0.1142	0.064757
1e+13	12.293	12.411	12.678	0.17937	12.277	12.373	12.569	0.13735	-0.1086	-0.03775	0.0252	0.056835

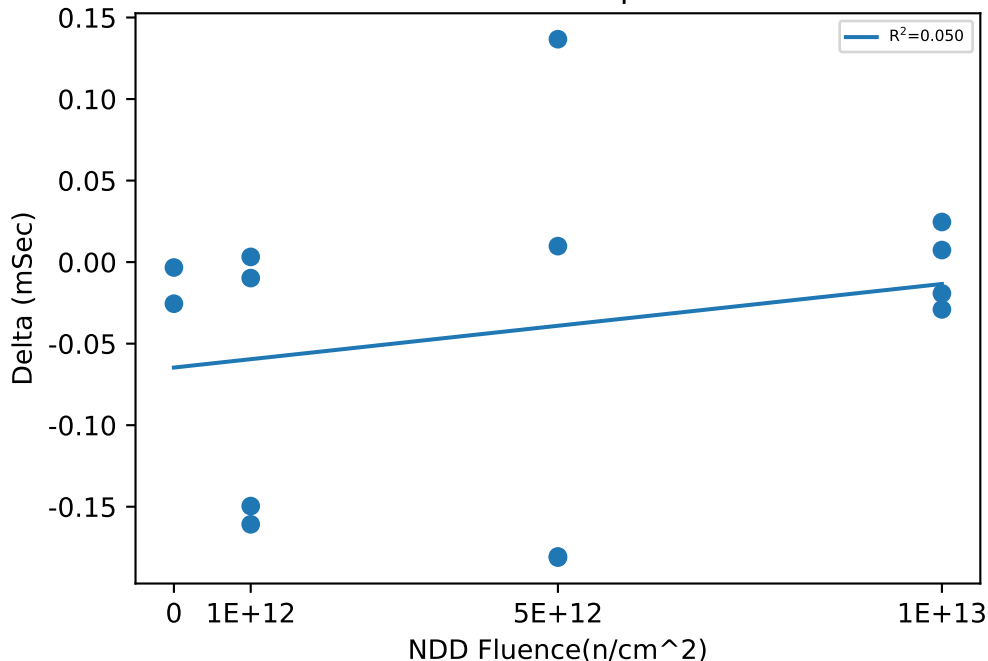
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.323	12.326	0.0032
2	1e+12	NDD Unbiased	12.539	12.529	-0.0098
3	1e+12	NDD Unbiased	12.642	12.481	-0.1608
4	1e+12	NDD Unbiased	12.247	12.097	-0.1496
5	5e+12	NDD Unbiased	12.5	12.51	0.0098
6	5e+12	NDD Unbiased	12.377	12.196	-0.1805
7	5e+12	NDD Unbiased	12.702	12.521	-0.1812
8	5e+12	NDD Unbiased	12.439	12.576	0.1367
9	1e+13	NDD Unbiased	12.334	12.305	-0.029
10	1e+13	NDD Unbiased	12.615	12.595	-0.0192
11	1e+13	NDD Unbiased	12.305	12.312	0.0074
12	1e+13	NDD Unbiased	12.358	12.383	0.0246
53	0	Correlation	12.269	12.265	-0.0033
54	0	Correlation	12.625	12.6	-0.0255

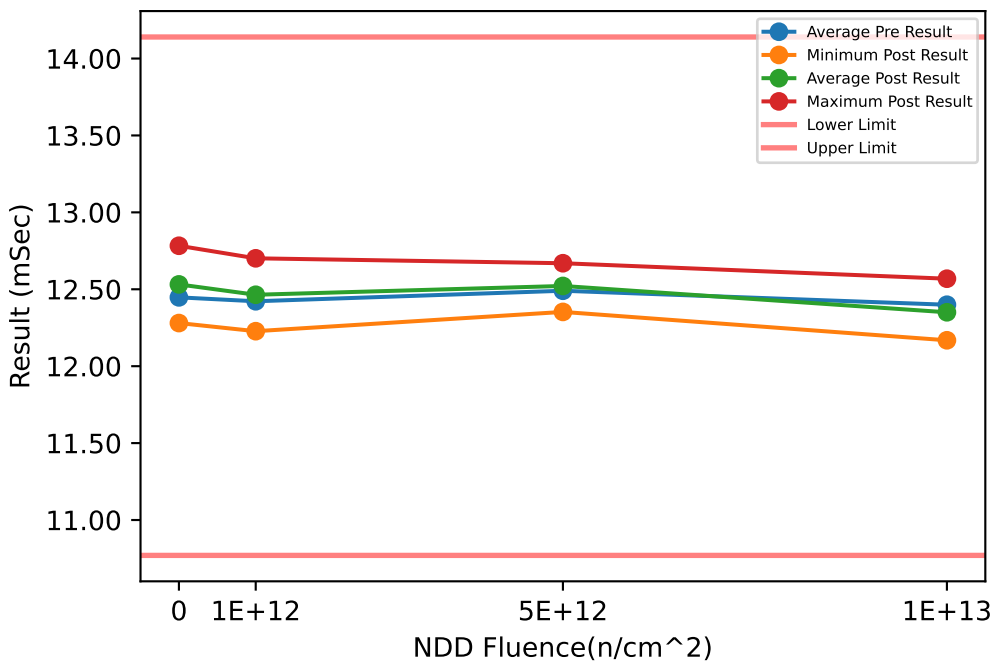
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.269	12.447	12.625	0.25187	12.265	12.433	12.6	0.23617	-0.0255	-0.0144	-0.0033	0.015698
1e+12	12.247	12.438	12.642	0.18389	12.097	12.358	12.529	0.19434	-0.1608	-0.07925	0.0032	0.087979
5e+12	12.377	12.505	12.702	0.14119	12.196	12.451	12.576	0.17213	-0.1812	-0.0538	0.1367	0.15558
1e+13	12.305	12.403	12.615	0.14287	12.305	12.399	12.595	0.13569	-0.029	-0.00405	0.0246	0.024522

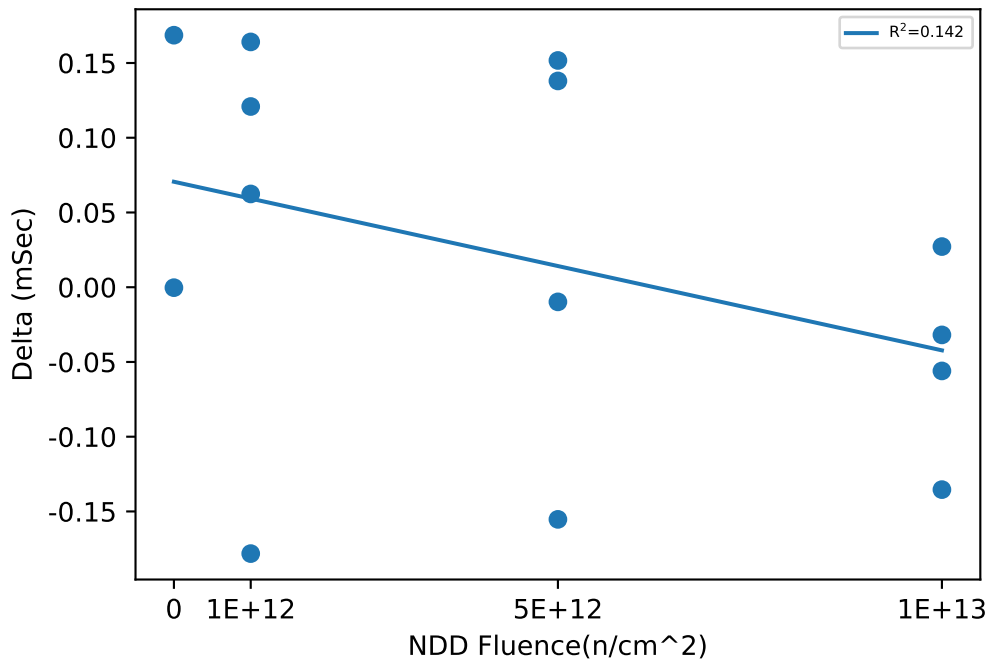
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.41	12.472	0.0624
2	1e+12	NDD Unbiased	12.537	12.701	0.1641
3	1e+12	NDD Unbiased	12.635	12.457	-0.1782
4	1e+12	NDD Unbiased	12.107	12.227	0.1209
5	5e+12	NDD Unbiased	12.656	12.501	-0.1553
6	5e+12	NDD Unbiased	12.363	12.353	-0.0098
7	5e+12	NDD Unbiased	12.518	12.669	0.1517
8	5e+12	NDD Unbiased	12.425	12.563	0.138
9	1e+13	NDD Unbiased	12.343	12.287	-0.056
10	1e+13	NDD Unbiased	12.601	12.569	-0.0319
11	1e+13	NDD Unbiased	12.304	12.168	-0.1354
12	1e+13	NDD Unbiased	12.351	12.378	0.0272
53	0	Correlation	12.281	12.28	-0.0003
54	0	Correlation	12.614	12.783	0.1686

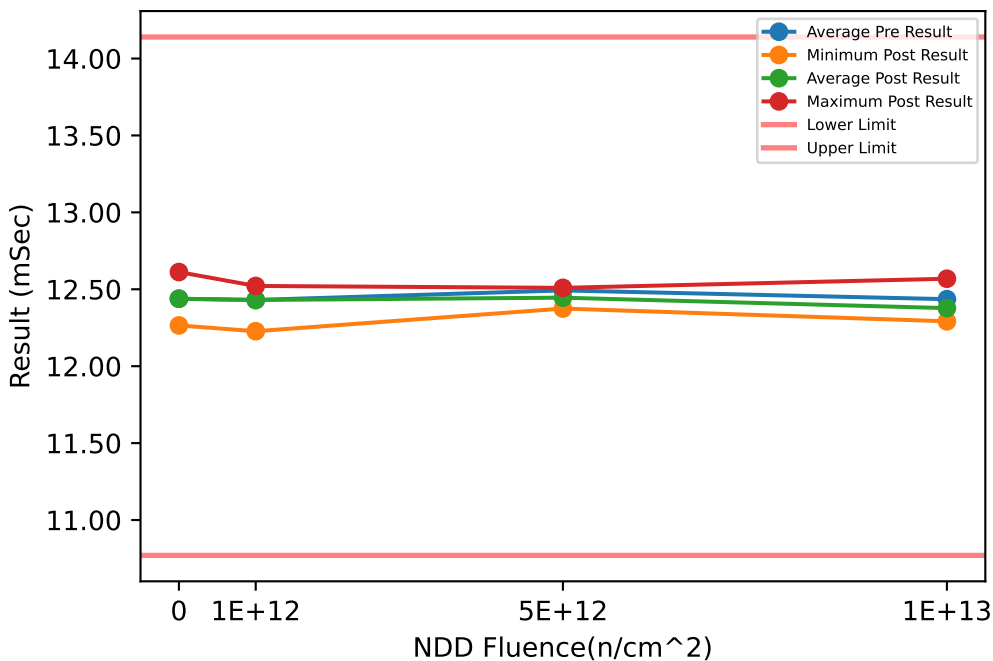
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.281	12.447	12.614	0.23589	12.28	12.532	12.783	0.35532	-0.0003	0.08415	0.1686	0.11943
1e+12	12.107	12.422	12.635	0.2296	12.227	12.464	12.701	0.19353	-0.1782	0.0423	0.1641	0.15279
5e+12	12.363	12.49	12.656	0.12768	12.353	12.522	12.669	0.13222	-0.1553	0.03115	0.1517	0.14421
1e+13	12.304	12.399	12.601	0.13563	12.168	12.35	12.569	0.16889	-0.1354	-0.049025	0.0272	0.067362

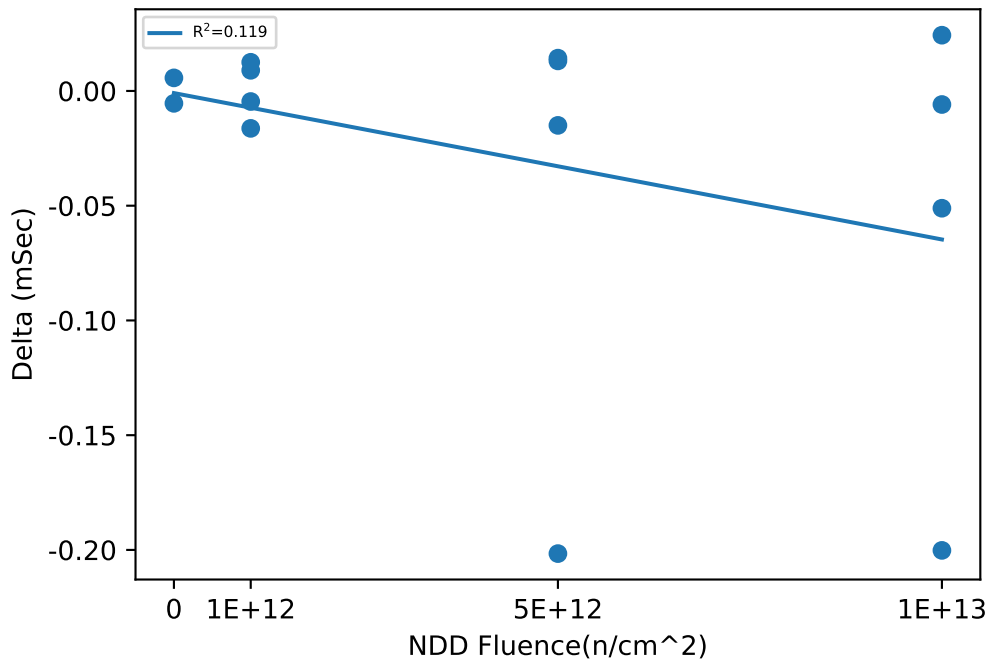
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.496	12.509	0.0125
2	1e+12	NDD Unbiased	12.538	12.522	-0.0163
3	1e+12	NDD Unbiased	12.455	12.464	0.009
4	1e+12	NDD Unbiased	12.232	12.227	-0.0046
5	5e+12	NDD Unbiased	12.486	12.501	0.0143
6	5e+12	NDD Unbiased	12.362	12.375	0.0131
7	5e+12	NDD Unbiased	12.524	12.509	-0.015
8	5e+12	NDD Unbiased	12.599	12.397	-0.2016
9	1e+13	NDD Unbiased	12.343	12.292	-0.0511
10	1e+13	NDD Unbiased	12.769	12.569	-0.2002
11	1e+13	NDD Unbiased	12.304	12.298	-0.0059
12	1e+13	NDD Unbiased	12.327	12.352	0.0243
53	0	Correlation	12.259	12.265	0.0057
54	0	Correlation	12.617	12.612	-0.0054

NDD vs Post - Pre Exposure Delta

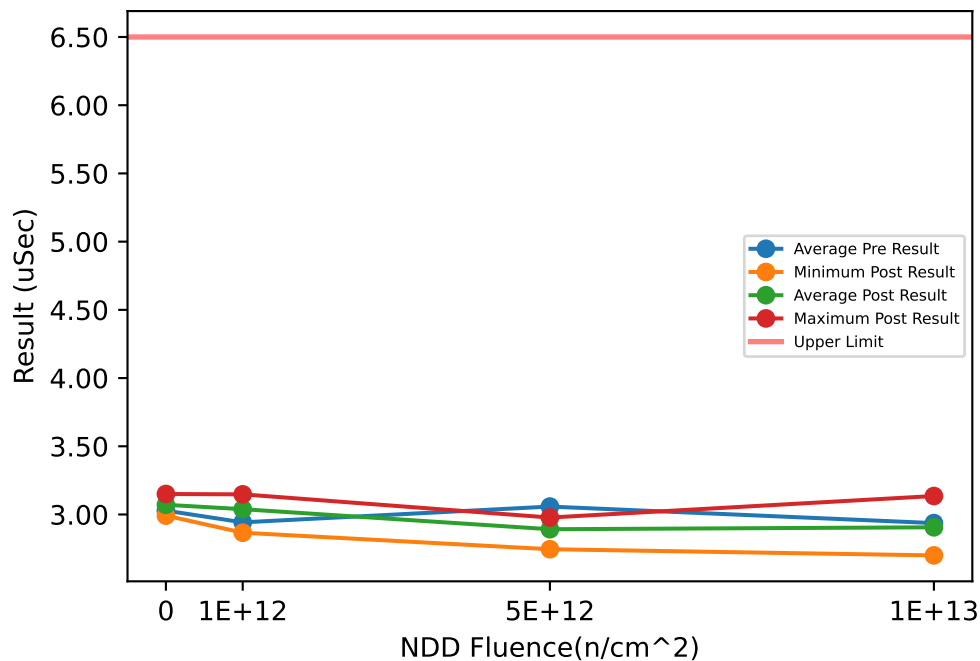


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.259	12.438	12.617	0.25329	12.265	12.439	12.612	0.24544	-0.0054	0.00015	0.0057	0.0078489
1e+12	12.232	12.43	12.538	0.13651	12.227	12.431	12.522	0.13766	-0.0163	0.00015	0.0125	0.013216
5e+12	12.362	12.493	12.599	0.099065	12.375	12.445	12.509	0.069453	-0.2016	-0.0473	0.0143	0.10375
1e+13	12.304	12.436	12.769	0.2226	12.292	12.377	12.569	0.13017	-0.2002	-0.058225	0.0243	0.099592

Device Test: 17.13 TPD_EN(_DELAY|STEP_UP/EN1/1.6/14/0/0/0/@TPD_EN)

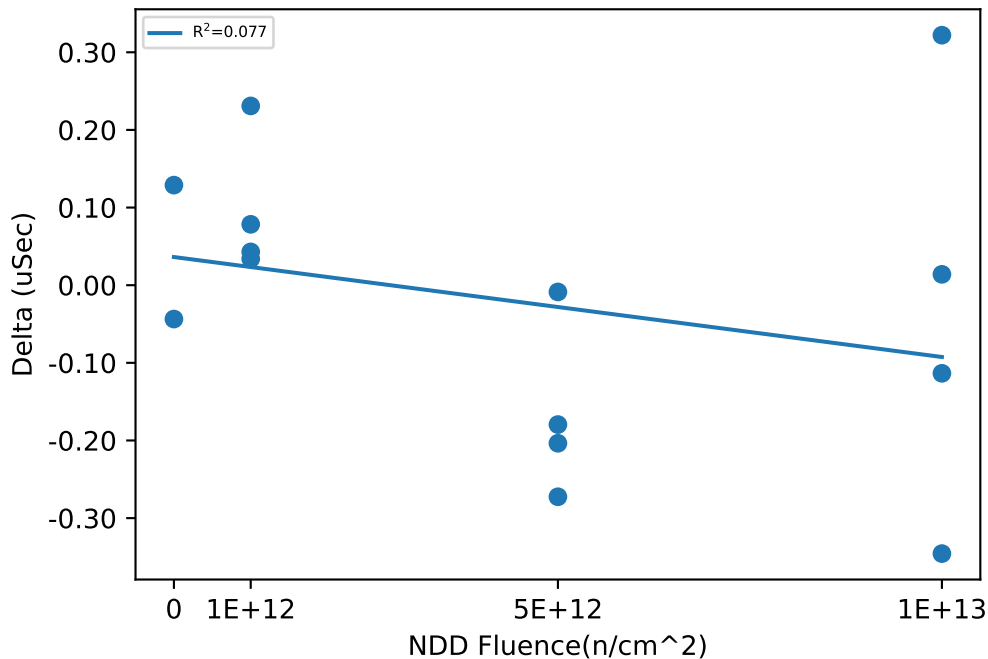
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.9733	3.0517	0.0784
2	1e+12	NDD Unbiased	2.9168	3.1477	0.2309
3	1e+12	NDD Unbiased	2.8236	2.8665	0.0429
4	1e+12	NDD Unbiased	3.056	3.0899	0.0339
5	5e+12	NDD Unbiased	2.8982	2.8895	-0.0087
6	5e+12	NDD Unbiased	2.949	2.7454	-0.2036
7	5e+12	NDD Unbiased	3.1572	2.9777	-0.1795
8	5e+12	NDD Unbiased	3.228	2.9555	-0.2725
9	1e+13	NDD Unbiased	2.8134	3.1354	0.322
10	1e+13	NDD Unbiased	3.1382	3.0247	-0.1135
11	1e+13	NDD Unbiased	3.0459	2.7002	-0.3457
12	1e+13	NDD Unbiased	2.7503	2.7643	0.014
53	0	Correlation	3.0354	2.9918	-0.0436
54	0	Correlation	3.0214	3.1503	0.1289

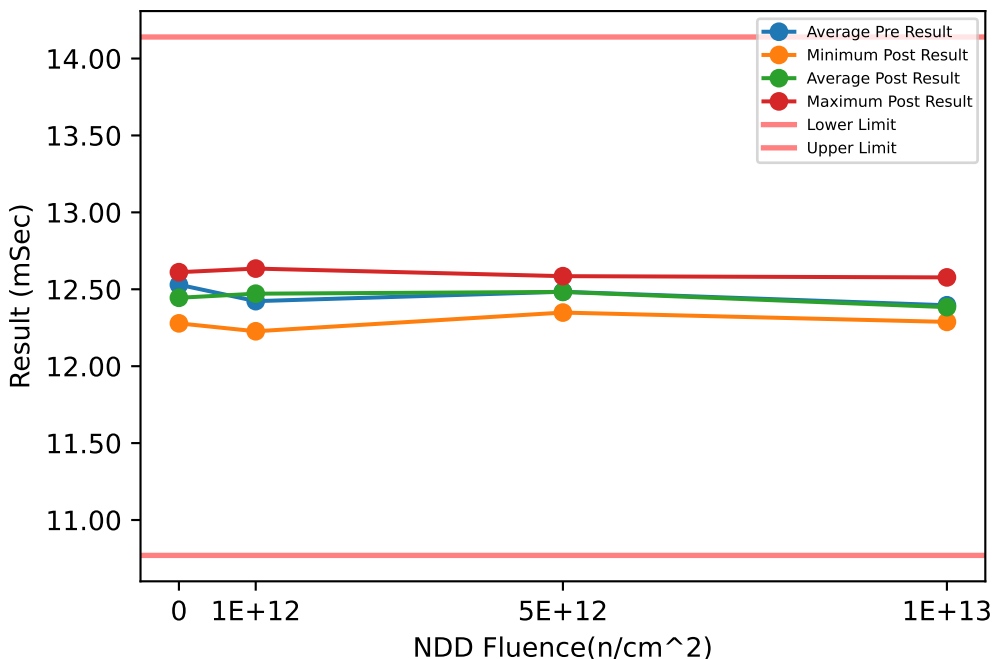
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0214	3.0284	3.0354	0.0098995	2.9918	3.0711	3.1503	0.11208	-0.0436	0.04265	0.1289	0.12198
1e+12	2.8236	2.9424	3.056	0.097688	2.8665	3.0389	3.1477	0.12155	0.0339	0.096525	0.2309	0.09162
5e+12	2.8982	3.0581	3.228	0.15933	2.7454	2.892	2.9777	0.10468	-0.2725	-0.16608	-0.0087	0.11207
1e+13	2.7503	2.9369	3.1382	0.18482	2.7002	2.9062	3.1354	0.20748	-0.3457	-0.0308	0.322	0.27837

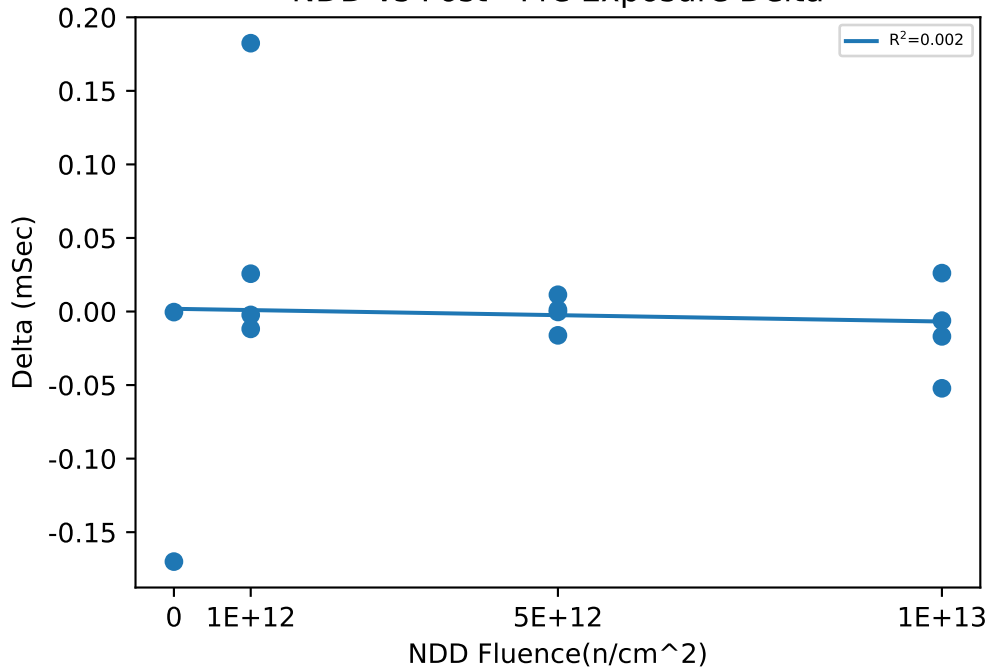
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

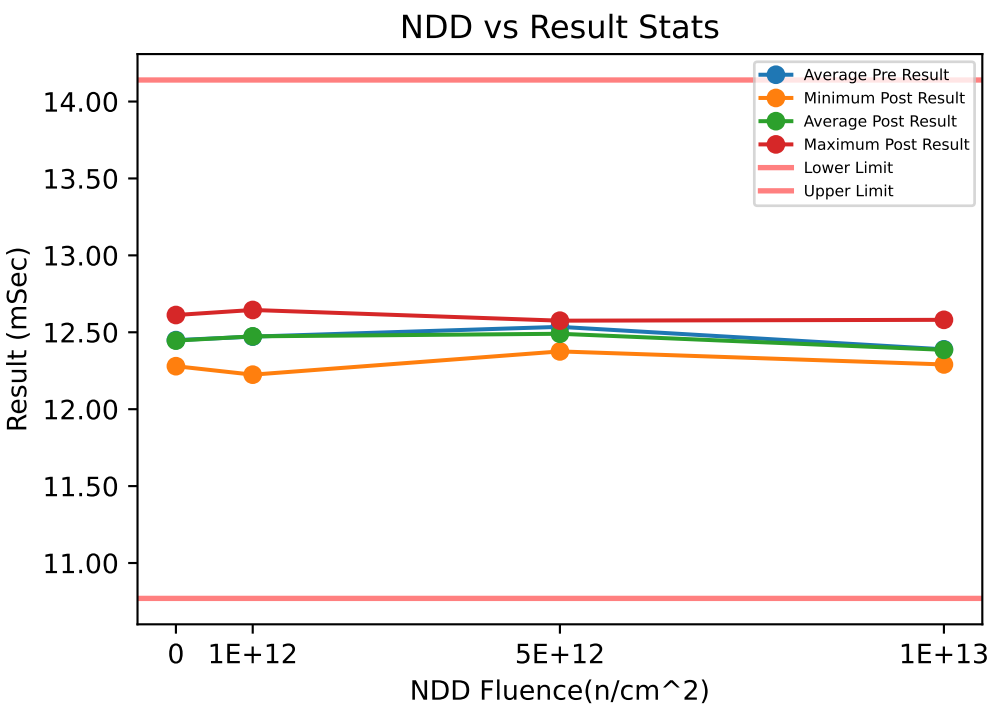
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.478	12.503	0.0257
2	1e+12	NDD Unbiased	12.532	12.52	-0.0118
3	1e+12	NDD Unbiased	12.452	12.634	0.1824
4	1e+12	NDD Unbiased	12.229	12.227	-0.0023
5	5e+12	NDD Unbiased	12.482	12.493	0.0114
6	5e+12	NDD Unbiased	12.349	12.349	-0.0003
7	5e+12	NDD Unbiased	12.521	12.505	-0.0162
8	5e+12	NDD Unbiased	12.584	12.585	0.0012
9	1e+13	NDD Unbiased	12.34	12.288	-0.0522
10	1e+13	NDD Unbiased	12.594	12.577	-0.0169
11	1e+13	NDD Unbiased	12.302	12.296	-0.0062
12	1e+13	NDD Unbiased	12.348	12.374	0.0261
53	0	Correlation	12.279	12.278	-0.0004
54	0	Correlation	12.781	12.611	-0.17

NDD vs Post - Pre Exposure Delta



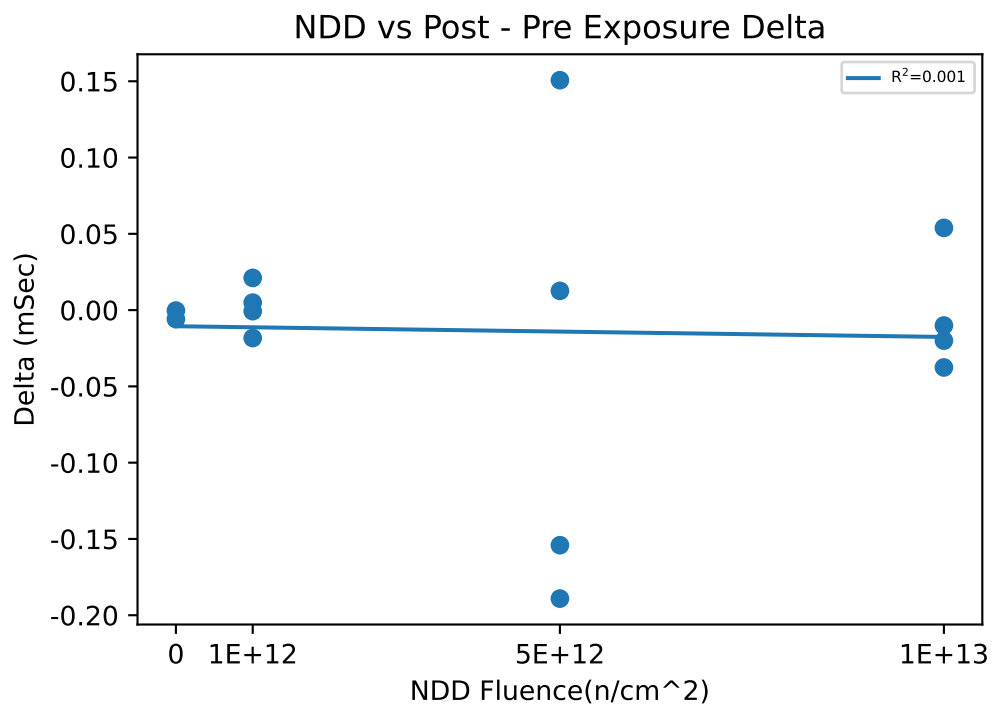
Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.279	12.53	12.781	0.35504	12.278	12.445	12.611	0.23511	-0.17	-0.0852	-0.0004	0.11993
1e+12	12.229	12.423	12.532	0.13324	12.227	12.471	12.634	0.17296	-0.0118	0.0485	0.1824	0.090675
5e+12	12.349	12.484	12.584	0.099362	12.349	12.483	12.585	0.09846	-0.0162	-0.000975	0.0114	0.011404
1e+13	12.302	12.396	12.594	0.13358	12.288	12.384	12.577	0.13475	-0.0522	-0.0123	0.0261	0.032275



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.505	12.505	-0.0007
2	1e+12	NDD Unbiased	12.538	12.52	-0.0183
3	1e+12	NDD Unbiased	12.624	12.645	0.0211
4	1e+12	NDD Unbiased	12.22	12.224	0.0049
5	5e+12	NDD Unbiased	12.654	12.5	-0.1541
6	5e+12	NDD Unbiased	12.363	12.376	0.0126
7	5e+12	NDD Unbiased	12.699	12.51	-0.1891
8	5e+12	NDD Unbiased	12.425	12.575	0.1507
9	1e+13	NDD Unbiased	12.329	12.291	-0.0376
10	1e+13	NDD Unbiased	12.601	12.581	-0.02
11	1e+13	NDD Unbiased	12.303	12.293	-0.0101
12	1e+13	NDD Unbiased	12.324	12.378	0.0539
53	0	Correlation	12.28	12.28	-0.0003
54	0	Correlation	12.618	12.612	-0.0059

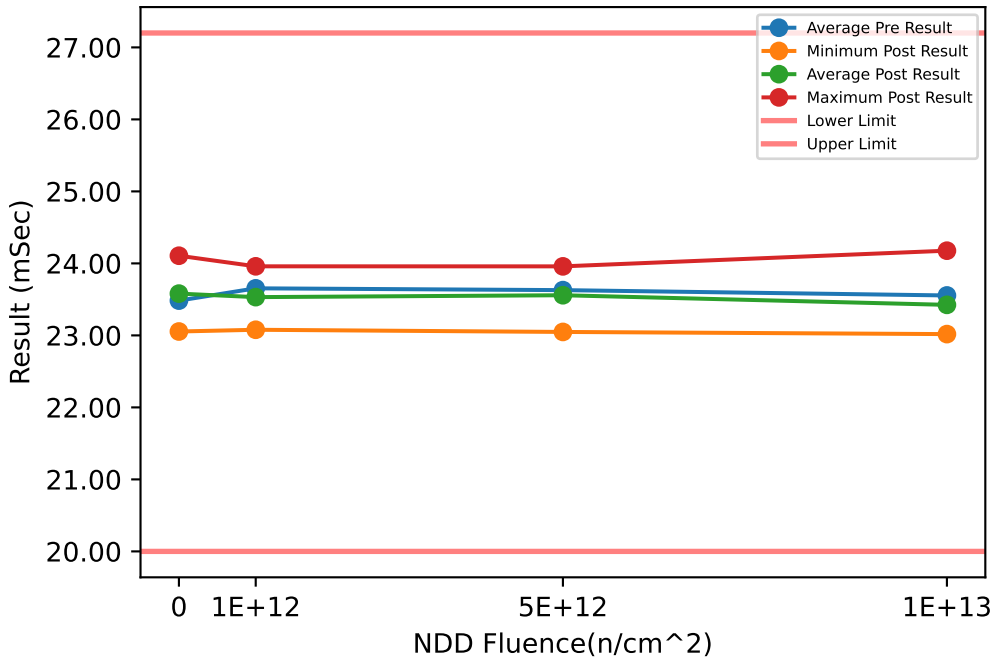


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.28	12.449	12.618	0.23921	12.28	12.446	12.612	0.23525	-0.0059	-0.0031	-0.0003	0.0039598
1e+12	12.22	12.472	12.624	0.17543	12.224	12.473	12.645	0.17756	-0.0183	0.00175	0.0211	0.016252
5e+12	12.363	12.535	12.699	0.16626	12.376	12.49	12.575	0.083443	-0.1891	-0.044975	0.1507	0.15736
1e+13	12.303	12.389	12.601	0.14157	12.291	12.386	12.581	0.13625	-0.0376	-0.00345	0.0539	0.039889

Device Test: 17.132 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN1/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

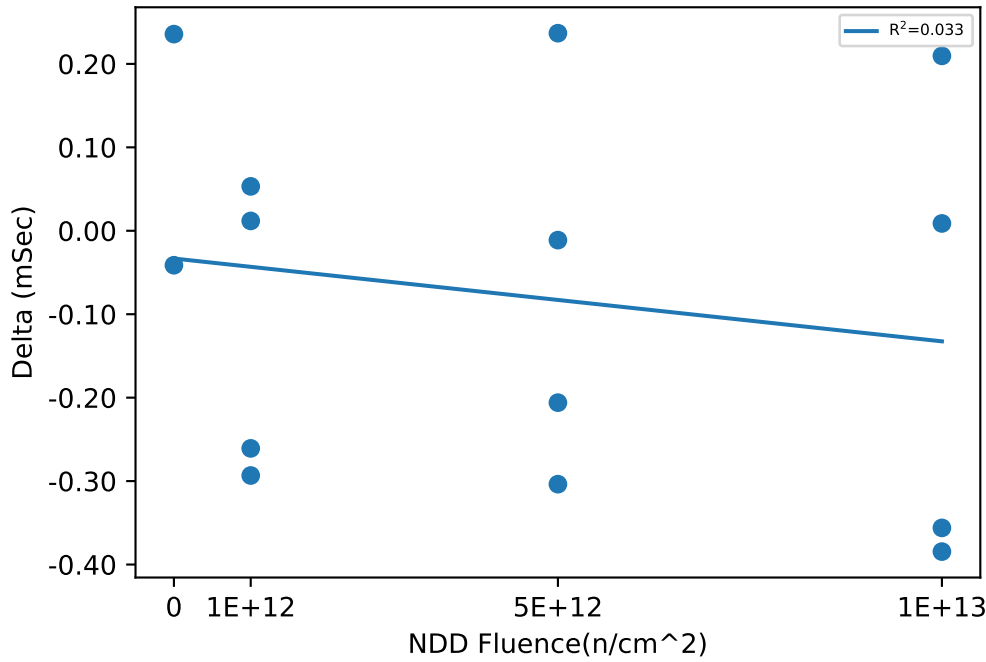
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.622	23.362	-0.2608
2	1e+12	NDD Unbiased	24.02	23.727	-0.2933
3	1e+12	NDD Unbiased	23.948	23.959	0.0118
4	1e+12	NDD Unbiased	23.025	23.078	0.0532
5	5e+12	NDD Unbiased	23.856	23.65	-0.206
6	5e+12	NDD Unbiased	23.352	23.048	-0.3037
7	5e+12	NDD Unbiased	23.722	23.959	0.2368
8	5e+12	NDD Unbiased	23.585	23.574	-0.0112
9	1e+13	NDD Unbiased	23.474	23.09	-0.3845
10	1e+13	NDD Unbiased	23.967	24.177	0.2096
11	1e+13	NDD Unbiased	23.374	23.018	-0.3561
12	1e+13	NDD Unbiased	23.404	23.413	0.0088
53	0	Correlation	23.095	23.054	-0.0413
54	0	Correlation	23.871	24.107	0.2357

NDD vs Post - Pre Exposure Delta

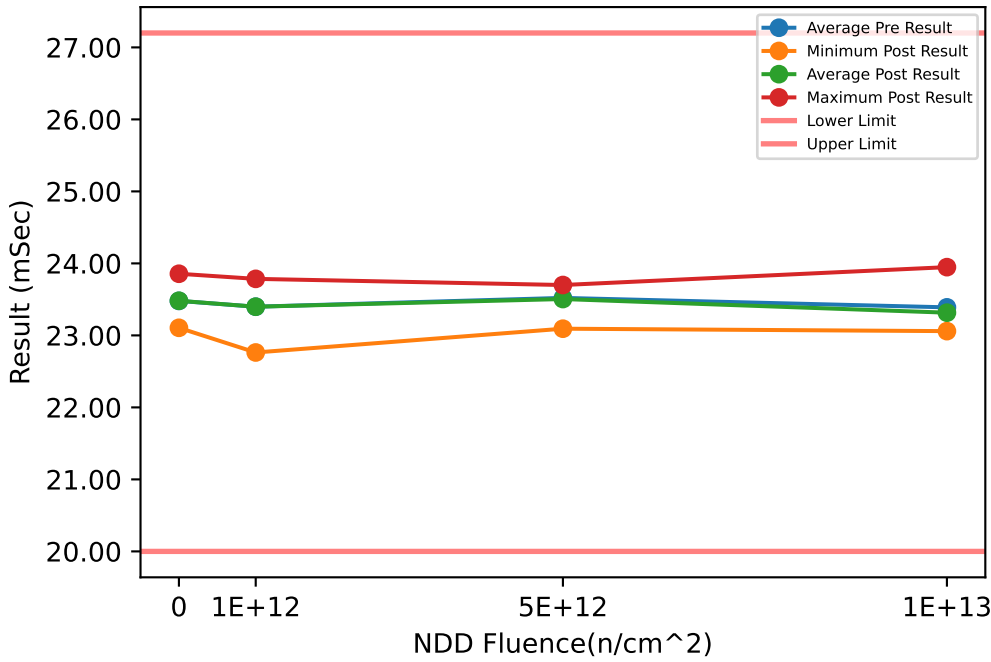


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.095	23.483	23.871	0.54836	23.054	23.58	24.107	0.74423	-0.0413	0.0972	0.2357	0.19587
1e+12	23.025	23.654	24.02	0.45354	23.078	23.532	23.959	0.38973	-0.2933	-0.12228	0.0532	0.18001
5e+12	23.352	23.629	23.856	0.21519	23.048	23.558	23.959	0.37835	-0.3037	-0.071025	0.2368	0.23853
1e+13	23.374	23.555	23.967	0.27788	23.018	23.424	24.177	0.53008	-0.3845	-0.13055	0.2096	0.28895

Device Test: 17.133 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN2/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

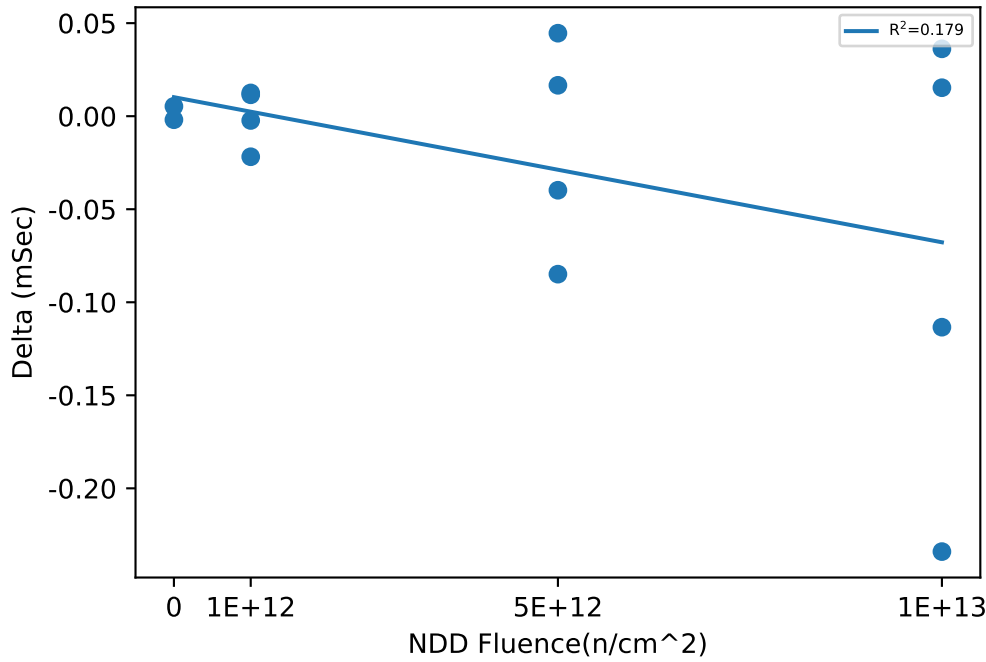
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.333	23.345	0.0115
2	1e+12	NDD Unbiased	23.807	23.785	-0.0218
3	1e+12	NDD Unbiased	23.689	23.701	0.0125
4	1e+12	NDD Unbiased	22.765	22.763	-0.0023
5	5e+12	NDD Unbiased	23.644	23.661	0.0166
6	5e+12	NDD Unbiased	23.048	23.093	0.0446
7	5e+12	NDD Unbiased	23.785	23.7	-0.0849
8	5e+12	NDD Unbiased	23.606	23.566	-0.0398
9	1e+13	NDD Unbiased	23.223	23.109	-0.1134
10	1e+13	NDD Unbiased	24.182	23.948	-0.234
11	1e+13	NDD Unbiased	23.044	23.059	0.0153
12	1e+13	NDD Unbiased	23.11	23.146	0.0362
53	0	Correlation	23.1	23.105	0.0053
54	0	Correlation	23.858	23.856	-0.0019

NDD vs Post - Pre Exposure Delta

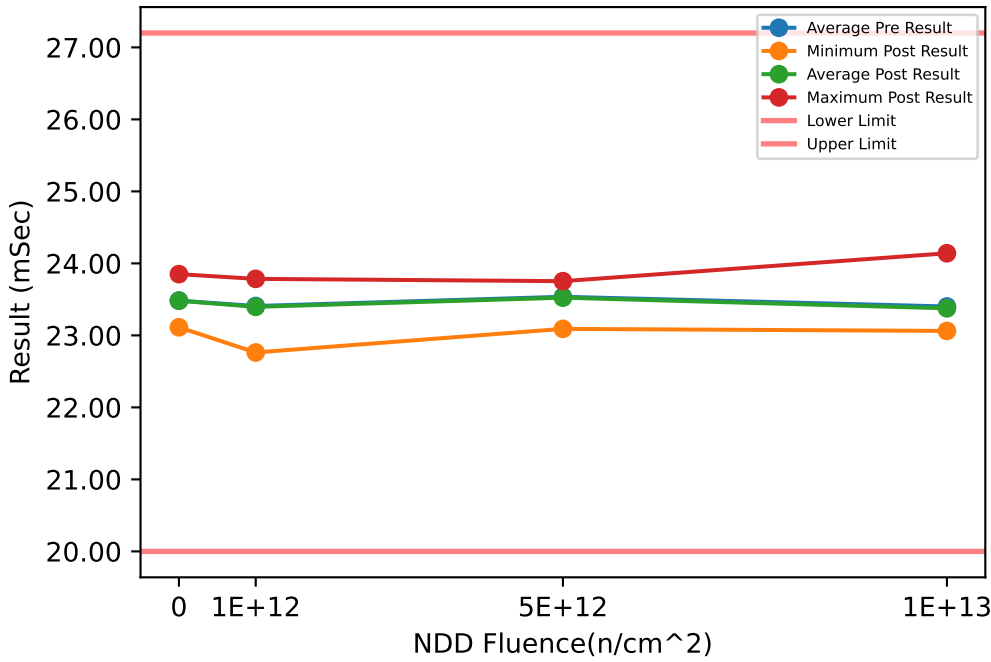


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.1	23.479	23.858	0.53599	23.105	23.481	23.856	0.5309	-0.0019	0.0017	0.0053	0.0050912
1e+12	22.765	23.398	23.807	0.46782	22.763	23.398	23.785	0.46483	-0.0218	-2.5e-05	0.0125	0.016011
5e+12	23.048	23.521	23.785	0.32419	23.093	23.505	23.7	0.2803	-0.0849	-0.015875	0.0446	0.057875
1e+13	23.044	23.39	24.182	0.53334	23.059	23.316	23.948	0.42303	-0.234	-0.073975	0.0362	0.12553

Device Test: 17.134 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN3/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

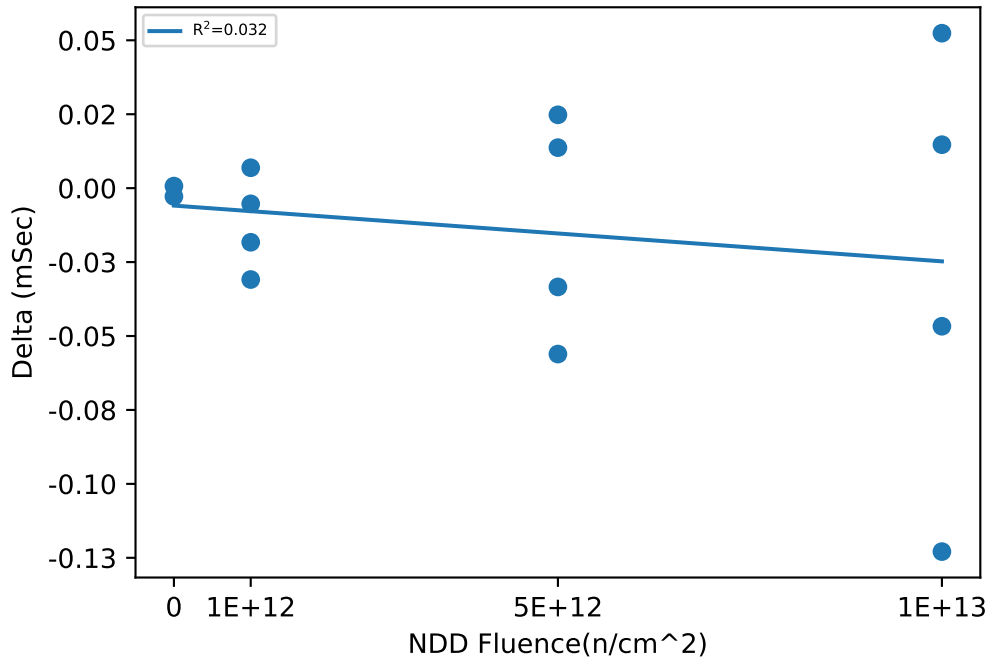
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.36	23.367	0.0069
2	1e+12	NDD Unbiased	23.816	23.785	-0.0309
3	1e+12	NDD Unbiased	23.676	23.671	-0.0053
4	1e+12	NDD Unbiased	22.781	22.763	-0.0183
5	5e+12	NDD Unbiased	23.654	23.679	0.0248
6	5e+12	NDD Unbiased	23.077	23.091	0.0137
7	5e+12	NDD Unbiased	23.787	23.753	-0.0334
8	5e+12	NDD Unbiased	23.629	23.573	-0.0561
9	1e+13	NDD Unbiased	23.246	23.123	-0.1229
10	1e+13	NDD Unbiased	24.187	24.141	-0.0467
11	1e+13	NDD Unbiased	23.047	23.062	0.0147
12	1e+13	NDD Unbiased	23.126	23.178	0.0524
53	0	Correlation	23.116	23.113	-0.0028
54	0	Correlation	23.85	23.851	0.0007

NDD vs Post - Pre Exposure Delta

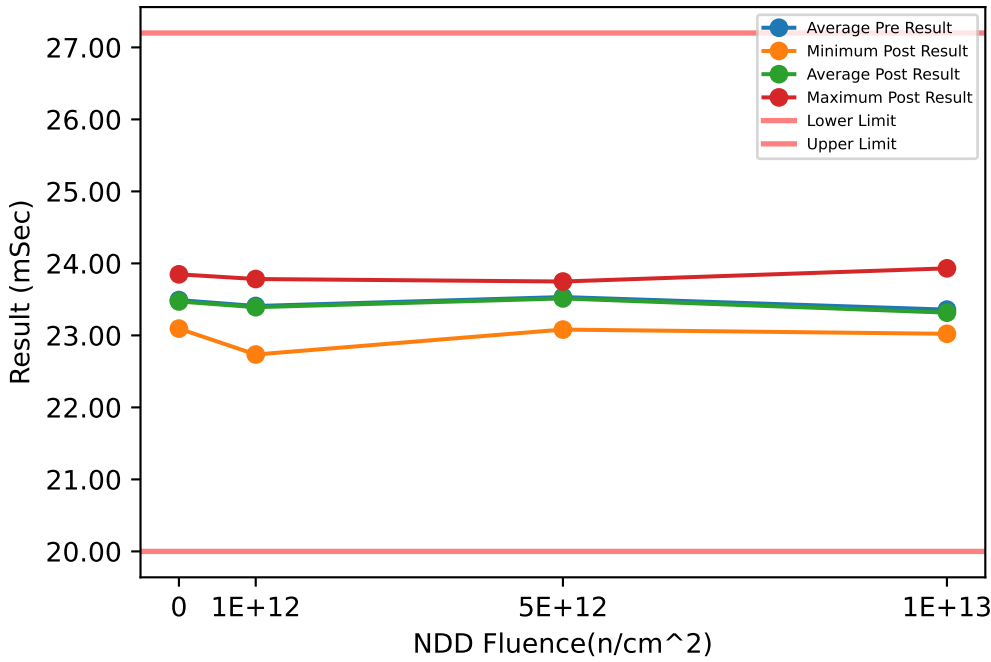


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.116	23.483	23.85	0.51951	23.113	23.482	23.851	0.52199	-0.0028	-0.00105	0.0007	0.0024749
1e+12	22.781	23.408	23.816	0.45964	22.763	23.396	23.785	0.45784	-0.0309	-0.0119	0.0069	0.016319
5e+12	23.077	23.537	23.787	0.3142	23.091	23.524	23.753	0.29817	-0.0561	-0.01275	0.0248	0.038363
1e+13	23.047	23.402	24.187	0.53007	23.062	23.376	24.141	0.51189	-0.1229	-0.025625	0.0524	0.076639

Device Test: 17.135 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN4/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

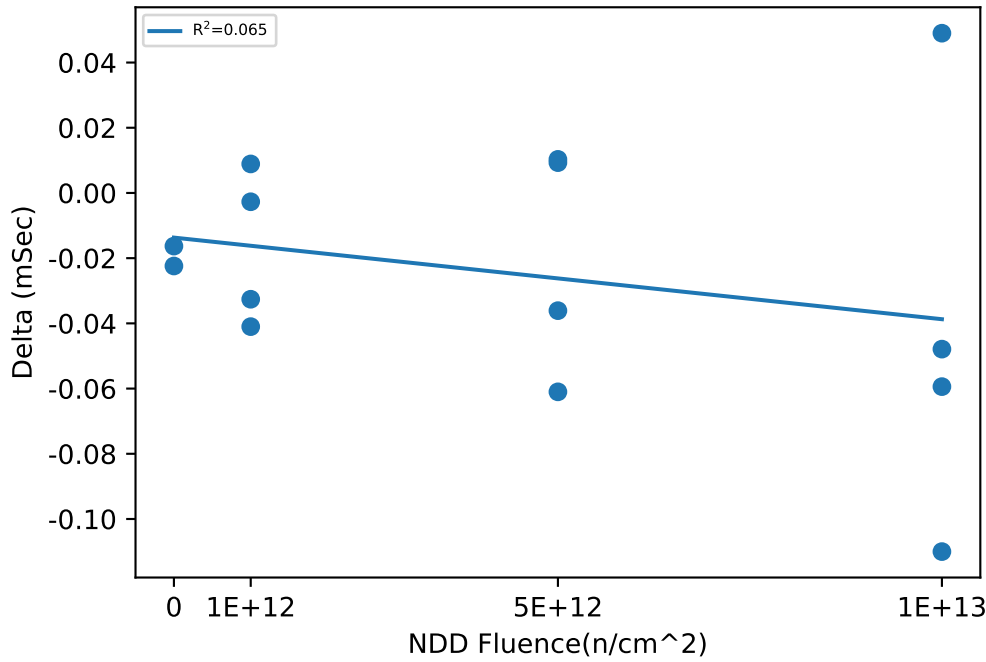
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.346	23.343	-0.0027
2	1e+12	NDD Unbiased	23.816	23.783	-0.0326
3	1e+12	NDD Unbiased	23.697	23.706	0.0089
4	1e+12	NDD Unbiased	22.775	22.734	-0.041
5	5e+12	NDD Unbiased	23.651	23.661	0.0103
6	5e+12	NDD Unbiased	23.072	23.081	0.0093
7	5e+12	NDD Unbiased	23.784	23.748	-0.0361
8	5e+12	NDD Unbiased	23.624	23.563	-0.061
9	1e+13	NDD Unbiased	23.243	23.133	-0.11
10	1e+13	NDD Unbiased	23.991	23.931	-0.0594
11	1e+13	NDD Unbiased	23.07	23.022	-0.0479
12	1e+13	NDD Unbiased	23.128	23.177	0.049
53	0	Correlation	23.111	23.094	-0.0163
54	0	Correlation	23.871	23.848	-0.0224

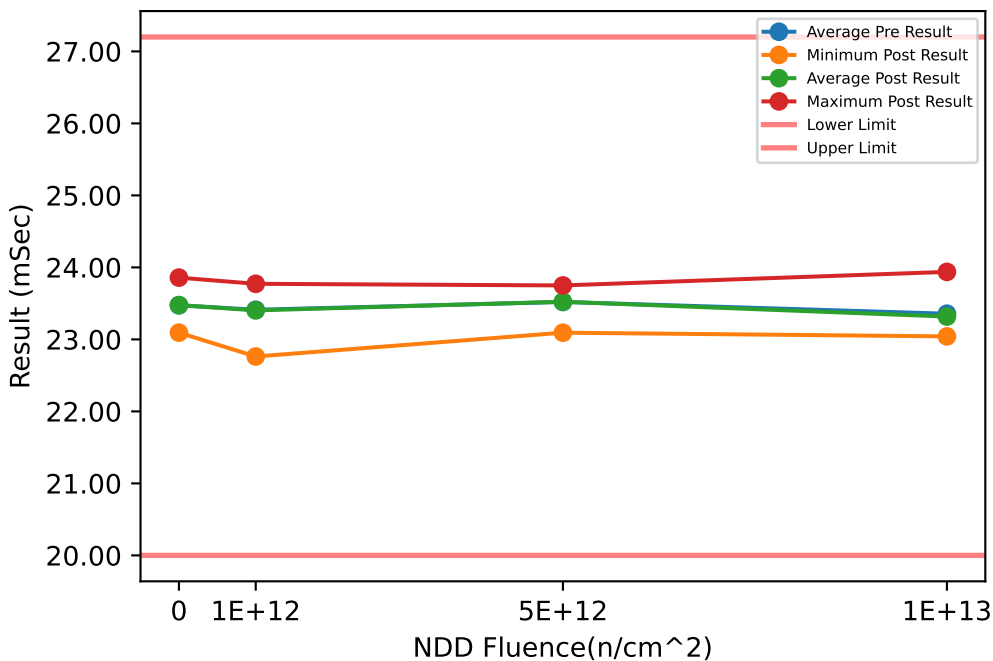
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.111	23.491	23.871	0.5374	23.094	23.471	23.848	0.53309	-0.0224	-0.01935	-0.0163	0.0043134
1e+12	22.775	23.408	23.816	0.46684	22.734	23.392	23.783	0.47831	-0.041	-0.01685	0.0089	0.023767
5e+12	23.072	23.533	23.784	0.31534	23.081	23.513	23.748	0.29808	-0.061	-0.019375	0.0103	0.035191
1e+13	23.07	23.358	23.991	0.42787	23.022	23.316	23.931	0.41541	-0.11	-0.042075	0.049	0.066439

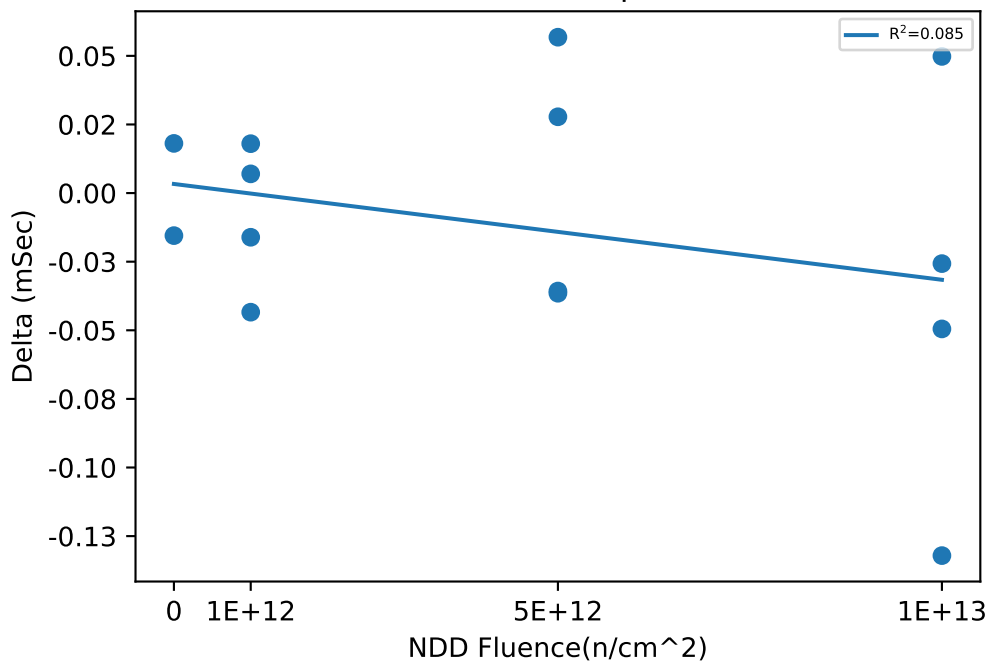
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.357	23.364	0.007
2	1e+12	NDD Unbiased	23.816	23.772	-0.0434
3	1e+12	NDD Unbiased	23.695	23.713	0.018
4	1e+12	NDD Unbiased	22.779	22.762	-0.0161
5	5e+12	NDD Unbiased	23.652	23.68	0.0278
6	5e+12	NDD Unbiased	23.036	23.093	0.0568
7	5e+12	NDD Unbiased	23.786	23.75	-0.0365
8	5e+12	NDD Unbiased	23.605	23.569	-0.0357
9	1e+13	NDD Unbiased	23.244	23.112	-0.1321
10	1e+13	NDD Unbiased	23.987	23.938	-0.0495
11	1e+13	NDD Unbiased	23.067	23.042	-0.0257
12	1e+13	NDD Unbiased	23.127	23.177	0.0498
53	0	Correlation	23.109	23.094	-0.0155
54	0	Correlation	23.84	23.858	0.0181

NDD vs Post - Pre Exposure Delta

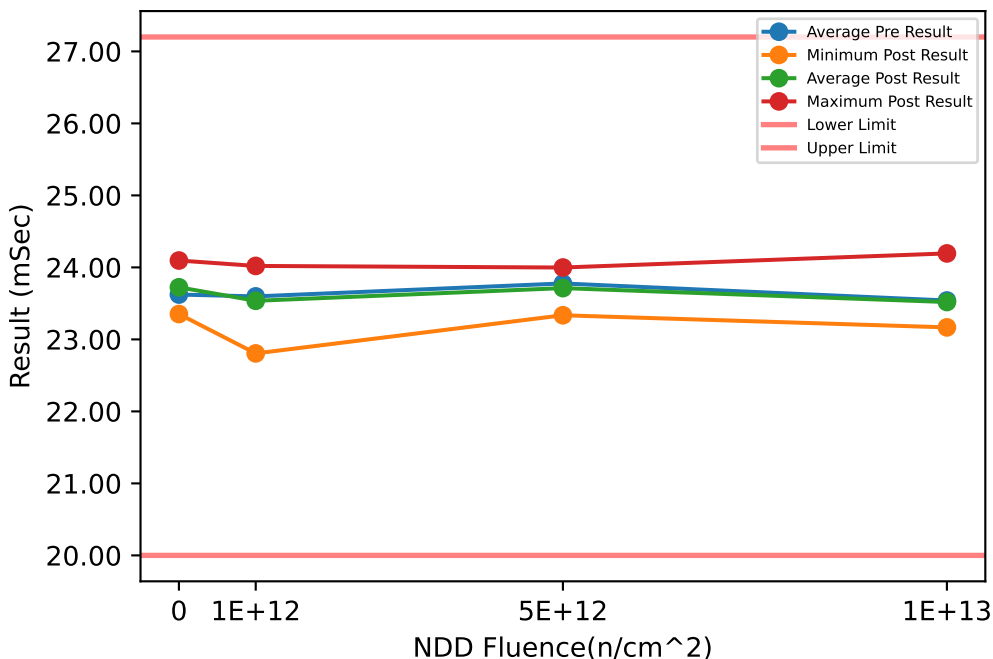


Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.109	23.475	23.84	0.51654	23.094	23.476	23.858	0.5403	-0.0155	0.0013	0.0181	0.023759
1e+12	22.779	23.412	23.816	0.46455	22.762	23.403	23.772	0.46347	-0.0434	-0.008625	0.018	0.027192
5e+12	23.036	23.52	23.786	0.33128	23.093	23.523	23.75	0.29593	-0.0365	0.0031	0.0568	0.046788
1e+13	23.067	23.356	23.987	0.42678	23.042	23.317	23.938	0.41733	-0.1321	-0.039375	0.0498	0.074921

Device Test: 17.137 DLY_TMR_1MOHM(_DELAY|STEP_DOWN/EN1/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

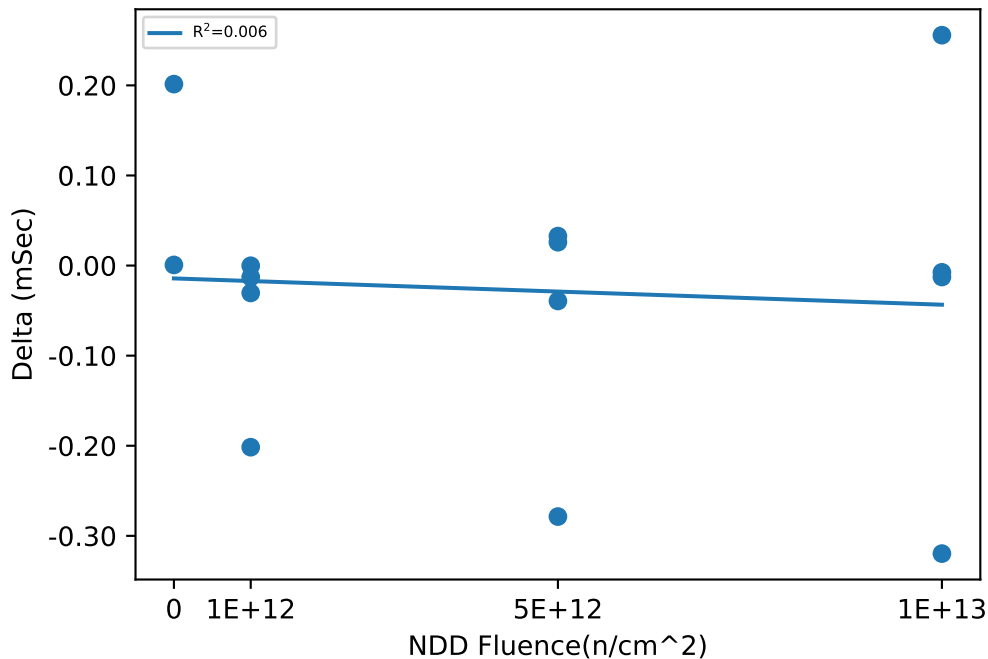
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.588	23.387	-0.2016
2	1e+12	NDD Unbiased	24.051	24.02	-0.0304
3	1e+12	NDD Unbiased	23.944	23.931	-0.0128
4	1e+12	NDD Unbiased	22.806	22.805	-0.0002
5	5e+12	NDD Unbiased	23.895	23.928	0.0327
6	5e+12	NDD Unbiased	23.309	23.335	0.0259
7	5e+12	NDD Unbiased	24.038	23.998	-0.0393
8	5e+12	NDD Unbiased	23.866	23.588	-0.2786
9	1e+13	NDD Unbiased	23.487	23.167	-0.3197
10	1e+13	NDD Unbiased	24.202	24.194	-0.0075
11	1e+13	NDD Unbiased	23.311	23.298	-0.0127
12	1e+13	NDD Unbiased	23.161	23.417	0.2557
53	0	Correlation	23.151	23.352	0.2014
54	0	Correlation	24.095	24.096	0.0007

NDD vs Post - Pre Exposure Delta

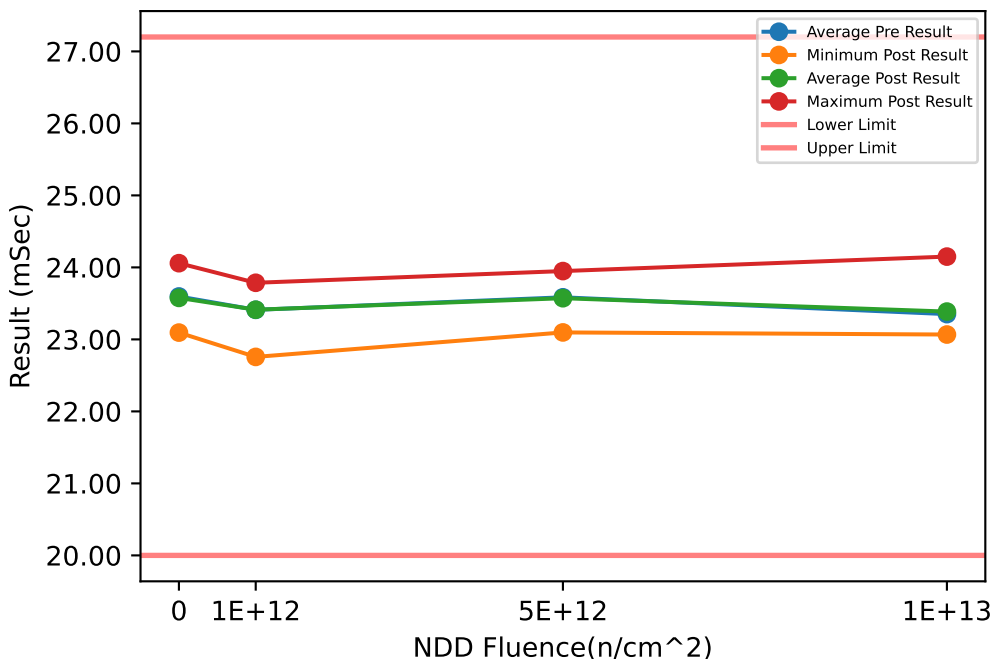


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.151	23.623	24.095	0.66751	23.352	23.724	24.096	0.52559	0.0007	0.10105	0.2014	0.14192
1e+12	22.806	23.597	24.051	0.56358	22.805	23.536	24.02	0.56188	-0.2016	-0.06125	-0.0002	0.094383
5e+12	23.309	23.777	24.038	0.32074	23.335	23.712	23.998	0.30883	-0.2786	-0.064825	0.0327	0.14617
1e+13	23.161	23.54	24.202	0.46062	23.167	23.519	24.194	0.46144	-0.3197	-0.02105	0.2557	0.23526

Device Test: 17.138 DLY_TMR_1MOHM(_DELAY|STEP_DOWN/EN2/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

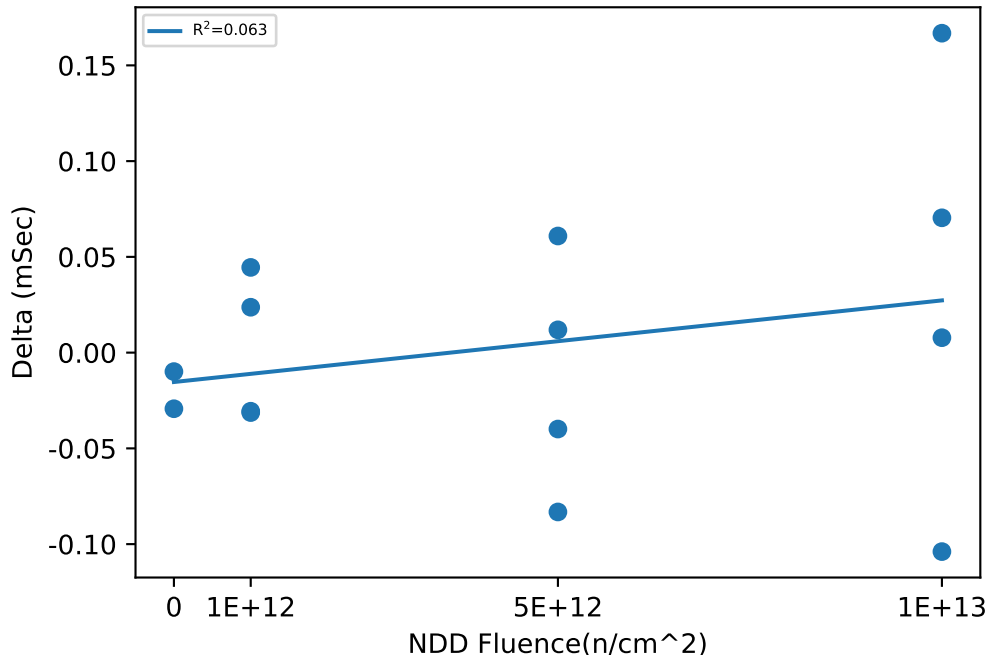
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.33	23.375	0.0445
2	1e+12	NDD Unbiased	23.817	23.786	-0.0306
3	1e+12	NDD Unbiased	23.707	23.731	0.0237
4	1e+12	NDD Unbiased	22.788	22.757	-0.0313
5	5e+12	NDD Unbiased	23.632	23.693	0.0609
6	5e+12	NDD Unbiased	23.085	23.097	0.0119
7	5e+12	NDD Unbiased	23.989	23.949	-0.0399
8	5e+12	NDD Unbiased	23.633	23.55	-0.0832
9	1e+13	NDD Unbiased	23.247	23.143	-0.1039
10	1e+13	NDD Unbiased	23.983	24.15	0.1668
11	1e+13	NDD Unbiased	23.06	23.068	0.0078
12	1e+13	NDD Unbiased	23.115	23.185	0.0704
53	0	Correlation	23.124	23.095	-0.0293
54	0	Correlation	24.068	24.058	-0.0099

NDD vs Post - Pre Exposure Delta

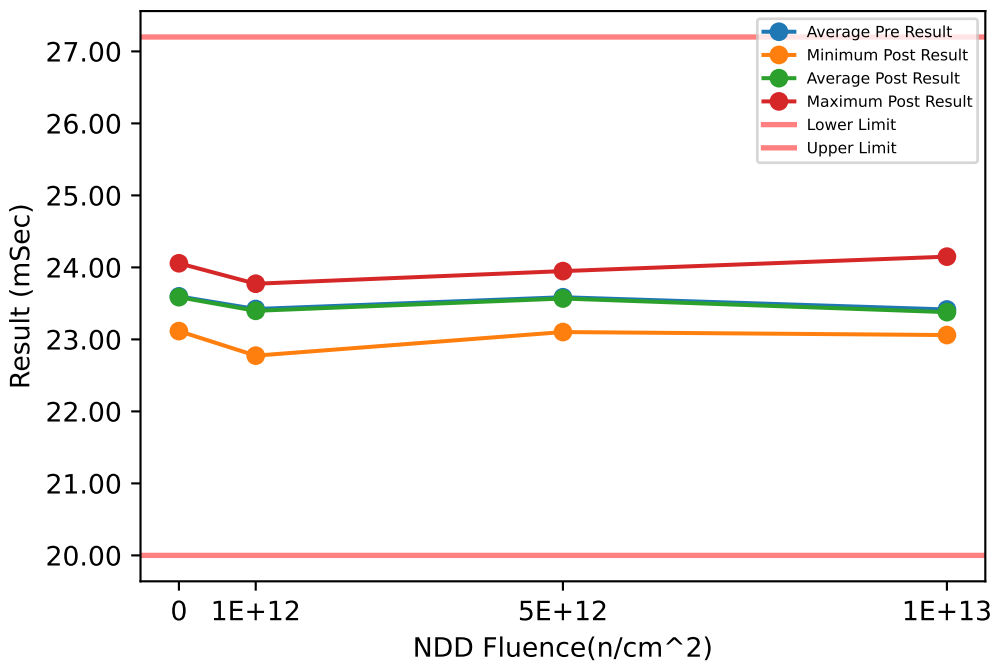


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.124	23.596	24.068	0.66786	23.095	23.577	24.058	0.68158	-0.0293	-0.0196	-0.0099	0.013718
1e+12	22.788	23.411	23.817	0.46441	22.757	23.412	23.786	0.47345	-0.0313	0.001575	0.0445	0.038506
5e+12	23.085	23.585	23.989	0.37312	23.097	23.572	23.949	0.35729	-0.0832	-0.012575	0.0609	0.062536
1e+13	23.06	23.351	23.983	0.42856	23.068	23.386	24.15	0.51129	-0.1039	0.035275	0.1668	0.11352

Device Test: 17.139 DLY_TMR_1MOHM(_DELAY|STEP_DOWN/EN3/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

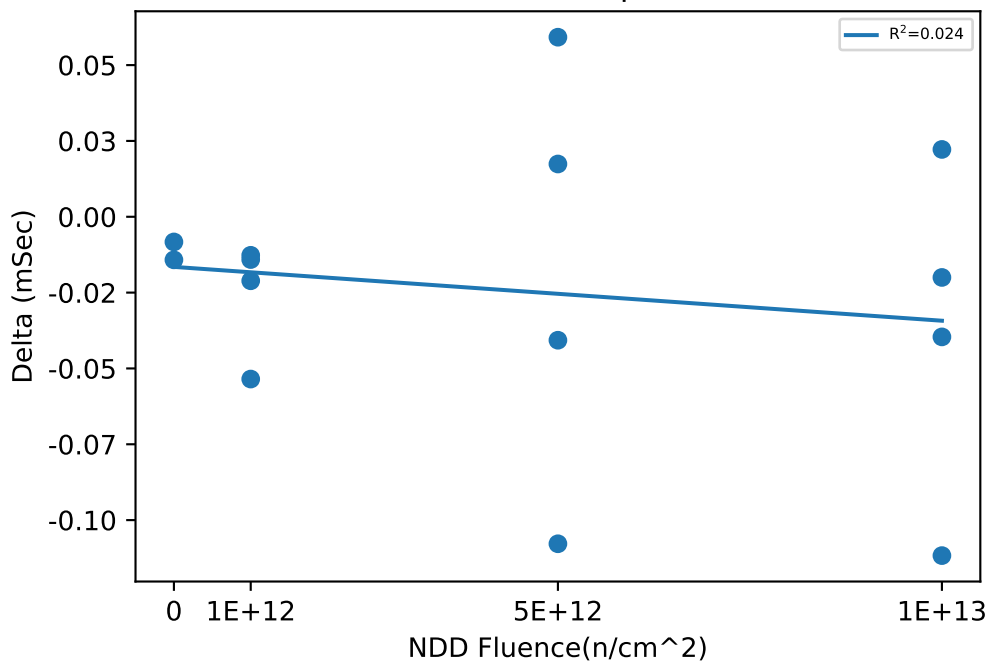
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.367	23.346	-0.0211
2	1e+12	NDD Unbiased	23.827	23.773	-0.0535
3	1e+12	NDD Unbiased	23.706	23.694	-0.0127
4	1e+12	NDD Unbiased	22.788	22.774	-0.0141
5	5e+12	NDD Unbiased	23.632	23.691	0.0592
6	5e+12	NDD Unbiased	23.085	23.102	0.0174
7	5e+12	NDD Unbiased	23.989	23.948	-0.0407
8	5e+12	NDD Unbiased	23.637	23.53	-0.1078
9	1e+13	NDD Unbiased	23.255	23.143	-0.1117
10	1e+13	NDD Unbiased	24.189	24.149	-0.0396
11	1e+13	NDD Unbiased	23.08	23.06	-0.02
12	1e+13	NDD Unbiased	23.139	23.161	0.0222
53	0	Correlation	23.124	23.116	-0.0083
54	0	Correlation	24.072	24.057	-0.0142

NDD vs Post - Pre Exposure Delta

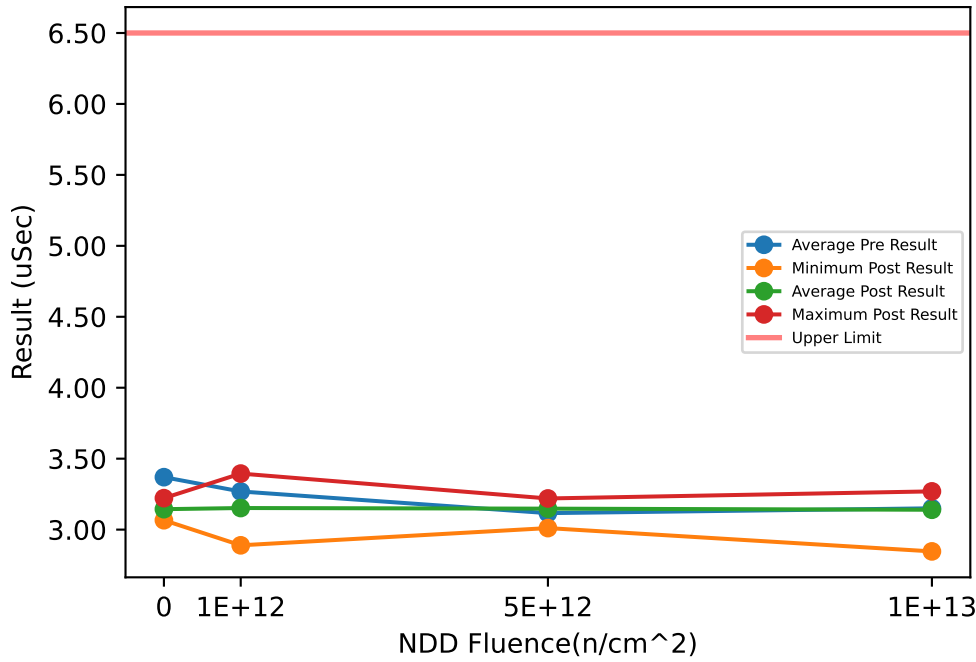


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.124	23.598	24.072	0.67013	23.116	23.586	24.057	0.66595	-0.0142	-0.01125	-0.0083	0.0041719
1e+12	22.788	23.422	23.827	0.46511	22.774	23.397	23.773	0.45452	-0.0535	-0.02535	-0.0127	0.019123
5e+12	23.085	23.586	23.989	0.37354	23.102	23.568	23.948	0.35516	-0.1078	-0.017975	0.0592	0.072554
1e+13	23.08	23.416	24.189	0.52046	23.06	23.378	24.149	0.5157	-0.1117	-0.037275	0.0222	0.055917

Device Test: 17.14 TPD_EN(_DELAY|STEP_UP/EN2/1.6/14/0/0/0/@TPD_EN)

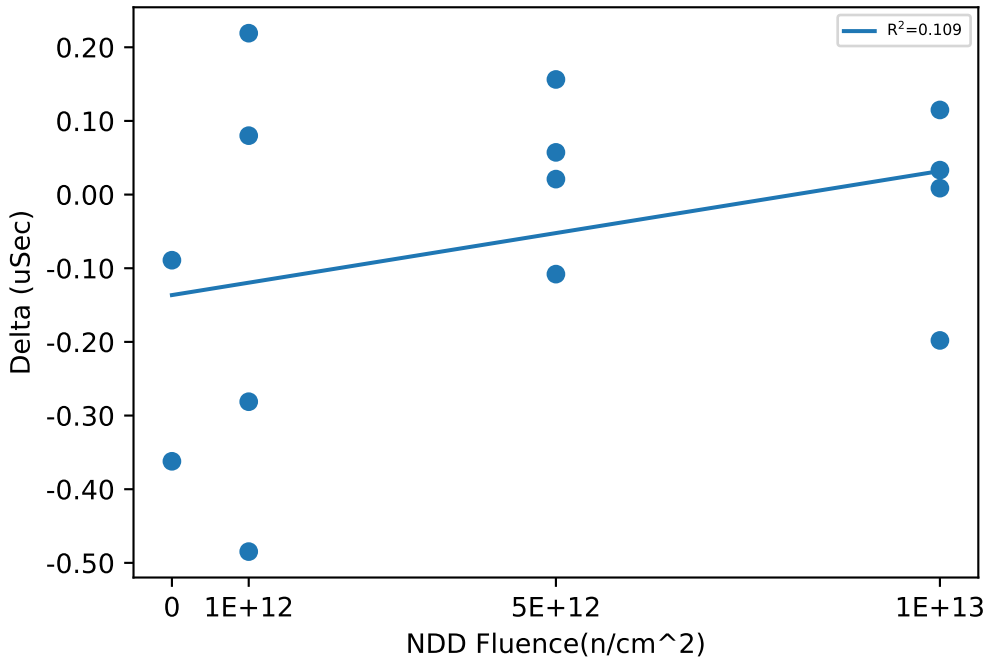
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1759	3.395	0.2191
2	1e+12	NDD Unbiased	3.1758	3.2558	0.08
3	1e+12	NDD Unbiased	3.3741	2.8894	-0.4847
4	1e+12	NDD Unbiased	3.3496	3.0684	-0.2812
5	5e+12	NDD Unbiased	3.0394	3.1957	0.1563
6	5e+12	NDD Unbiased	3.1986	3.2196	0.021
7	5e+12	NDD Unbiased	2.9535	3.0108	0.0573
8	5e+12	NDD Unbiased	3.2732	3.1652	-0.108
9	1e+13	NDD Unbiased	3.1482	3.2631	0.1149
10	1e+13	NDD Unbiased	3.2363	3.2695	0.0332
11	1e+13	NDD Unbiased	3.0445	2.8465	-0.198
12	1e+13	NDD Unbiased	3.172	3.1807	0.0087
53	0	Correlation	3.4283	3.0662	-0.3621
54	0	Correlation	3.3109	3.2218	-0.0891

NDD vs Post - Pre Exposure Delta

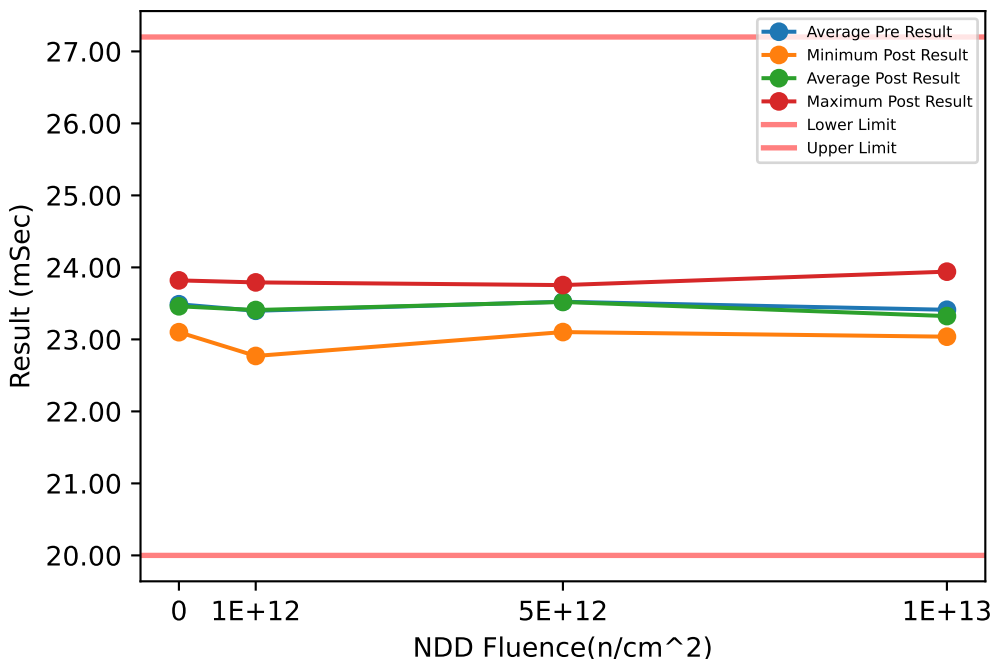


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3109	3.3696	3.4283	0.083014	3.0662	3.144	3.2218	0.11003	-0.3621	-0.2256	-0.0891	0.19304
1e+12	3.1758	3.2689	3.3741	0.10785	2.8894	3.1521	3.395	0.22043	-0.4847	-0.1167	0.2191	0.32349
5e+12	2.9535	3.1162	3.2732	0.14584	3.0108	3.1478	3.2196	0.094024	-0.108	0.03165	0.1563	0.10926
1e+13	3.0445	3.1503	3.2363	0.079718	2.8465	3.1399	3.2695	0.19977	-0.198	-0.0103	0.1149	0.13312

Device Test: 17.140 DLY_TMR_1MOHM(_DELAY|STEP_DOWN/EN4/7/3/1.18M/0/0/@DLY_TMR_1MOHM)

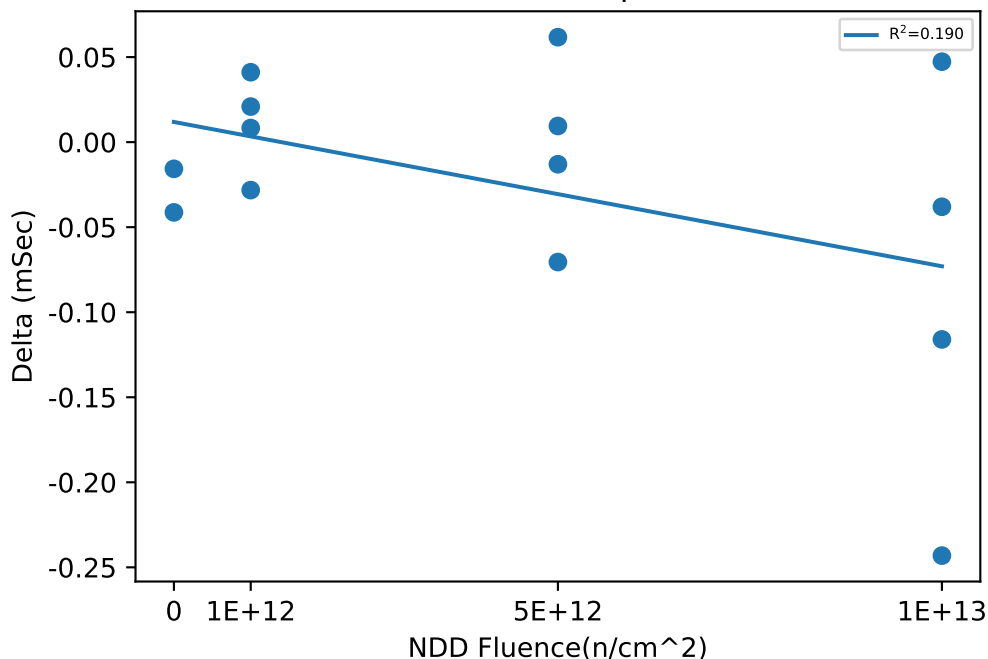
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.331	23.372	0.0411
2	1e+12	NDD Unbiased	23.82	23.792	-0.0282
3	1e+12	NDD Unbiased	23.677	23.698	0.0209
4	1e+12	NDD Unbiased	22.762	22.77	0.0083
5	5e+12	NDD Unbiased	23.652	23.662	0.0095
6	5e+12	NDD Unbiased	23.04	23.102	0.0617
7	5e+12	NDD Unbiased	23.767	23.754	-0.013
8	5e+12	NDD Unbiased	23.633	23.563	-0.0705
9	1e+13	NDD Unbiased	23.251	23.135	-0.116
10	1e+13	NDD Unbiased	24.184	23.941	-0.2431
11	1e+13	NDD Unbiased	23.076	23.038	-0.038
12	1e+13	NDD Unbiased	23.135	23.182	0.0473
53	0	Correlation	23.116	23.1	-0.0157
54	0	Correlation	23.861	23.82	-0.0413

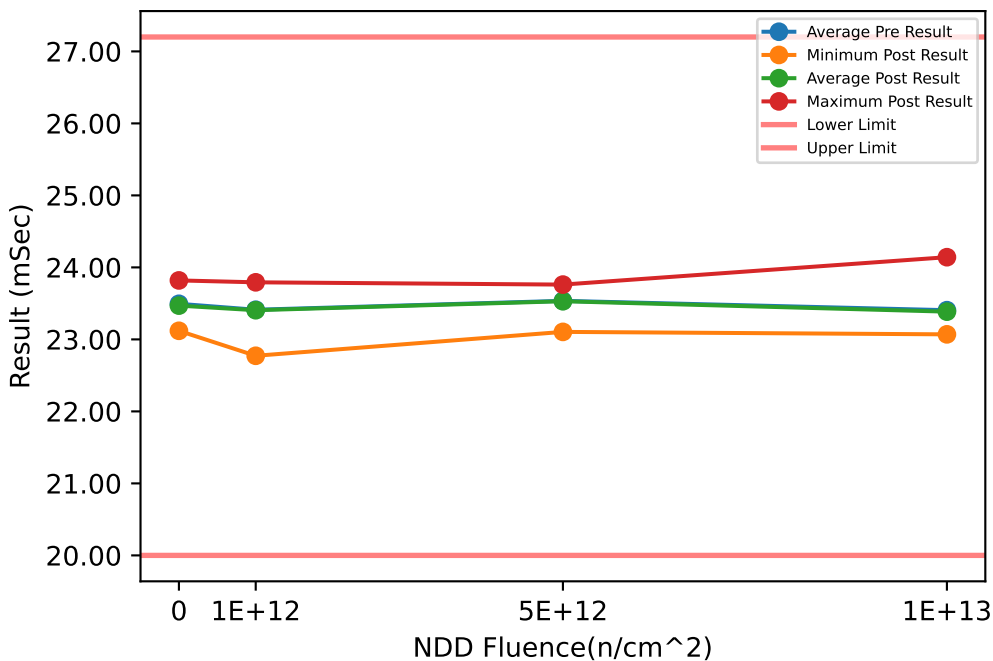
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.116	23.488	23.861	0.52679	23.1	23.46	23.82	0.50869	-0.0413	-0.0285	-0.0157	0.018102
1e+12	22.762	23.397	23.82	0.47088	22.77	23.408	23.792	0.46173	-0.0282	0.010525	0.0411	0.029138
5e+12	23.04	23.523	23.767	0.32745	23.102	23.52	23.754	0.28963	-0.0705	-0.003075	0.0617	0.054768
1e+13	23.076	23.411	24.184	0.52016	23.038	23.324	23.941	0.41568	-0.2431	-0.08745	0.0473	0.12335

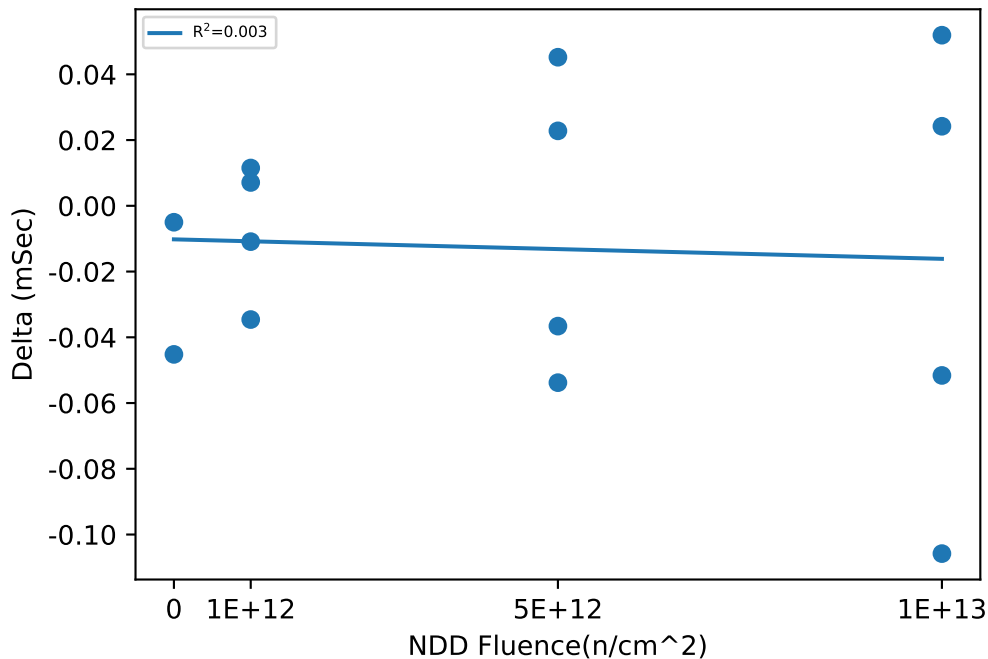
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.368	23.357	-0.0109
2	1e+12	NDD Unbiased	23.827	23.793	-0.0346
3	1e+12	NDD Unbiased	23.692	23.699	0.0071
4	1e+12	NDD Unbiased	22.761	22.773	0.0115
5	5e+12	NDD Unbiased	23.661	23.683	0.0228
6	5e+12	NDD Unbiased	23.059	23.104	0.0452
7	5e+12	NDD Unbiased	23.798	23.761	-0.0366
8	5e+12	NDD Unbiased	23.625	23.571	-0.0538
9	1e+13	NDD Unbiased	23.25	23.145	-0.1058
10	1e+13	NDD Unbiased	24.193	24.142	-0.0516
11	1e+13	NDD Unbiased	23.046	23.07	0.0242
12	1e+13	NDD Unbiased	23.133	23.185	0.0519
53	0	Correlation	23.124	23.119	-0.005
54	0	Correlation	23.864	23.819	-0.0452

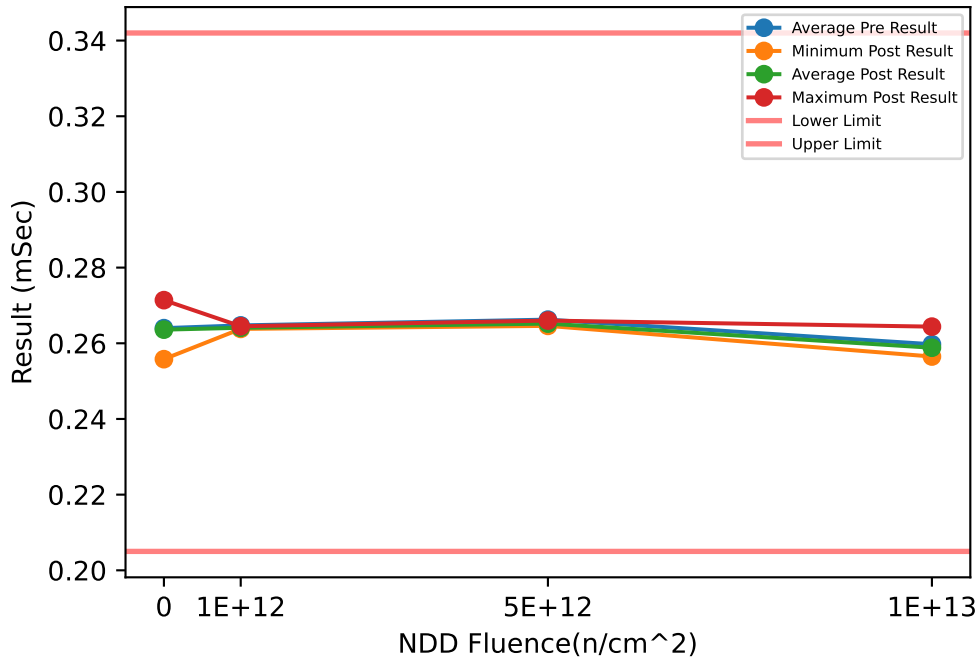
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.124	23.494	23.864	0.52319	23.119	23.469	23.819	0.49476	-0.0452	-0.0251	-0.005	0.028426
1e+12	22.761	23.412	23.827	0.47493	22.773	23.405	23.793	0.4616	-0.0346	-0.006725	0.0115	0.020958
5e+12	23.059	23.536	23.798	0.32635	23.104	23.53	23.761	0.2944	-0.0538	-0.0056	0.0452	0.047157
1e+13	23.046	23.406	24.193	0.53168	23.07	23.385	24.142	0.50645	-0.1058	-0.020325	0.0519	0.07184

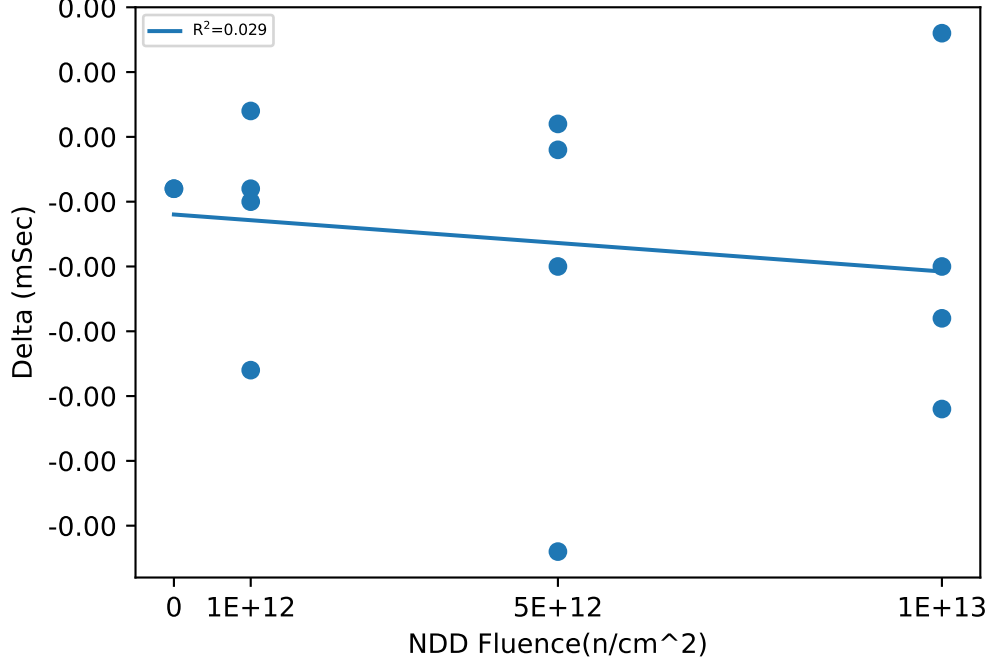
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2637	0.2639	0.0002
2	1e+12	NDD Unbiased	0.2663	0.2645	-0.0018
3	1e+12	NDD Unbiased	0.2646	0.2642	-0.0004
4	1e+12	NDD Unbiased	0.2643	0.2638	-0.0005
5	5e+12	NDD Unbiased	0.2657	0.2656	-0.0001
6	5e+12	NDD Unbiased	0.2656	0.2646	-0.001
7	5e+12	NDD Unbiased	0.2659	0.266	0.0001
8	5e+12	NDD Unbiased	0.2678	0.2646	-0.0032
9	1e+13	NDD Unbiased	0.2582	0.2568	-0.0014
10	1e+13	NDD Unbiased	0.2654	0.2644	-0.001
11	1e+13	NDD Unbiased	0.2597	0.2576	-0.0021
12	1e+13	NDD Unbiased	0.2557	0.2565	0.0008
53	0	Correlation	0.2562	0.2558	-0.0004
54	0	Correlation	0.2718	0.2714	-0.0004

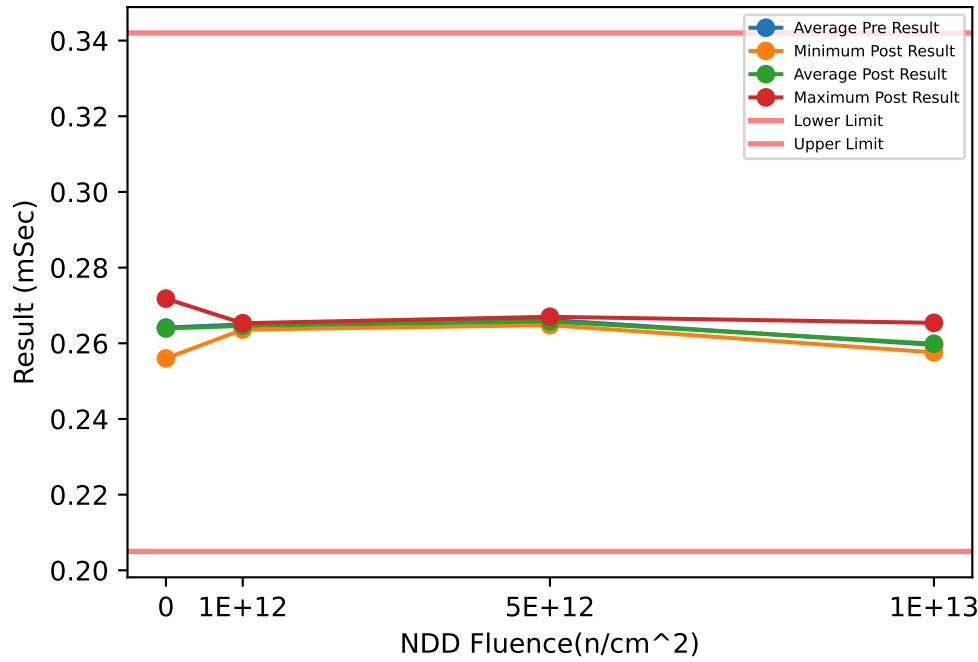
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2562	0.264	0.2718	0.011031	0.2558	0.2636	0.2714	0.011031	-0.0004	-0.0004	-0.0004	3.9252e-17
1e+12	0.2637	0.26472	0.2663	0.0011147	0.2638	0.2641	0.2645	0.00031623	-0.0018	-0.000625	0.0002	0.00084212
5e+12	0.2656	0.26625	0.2678	0.0010408	0.2646	0.2652	0.266	0.00071181	-0.0032	-0.00105	0.0001	0.0015111
1e+13	0.2557	0.25975	0.2654	0.0041122	0.2565	0.25882	0.2644	0.0037456	-0.0021	-0.000925	0.0008	0.0012366

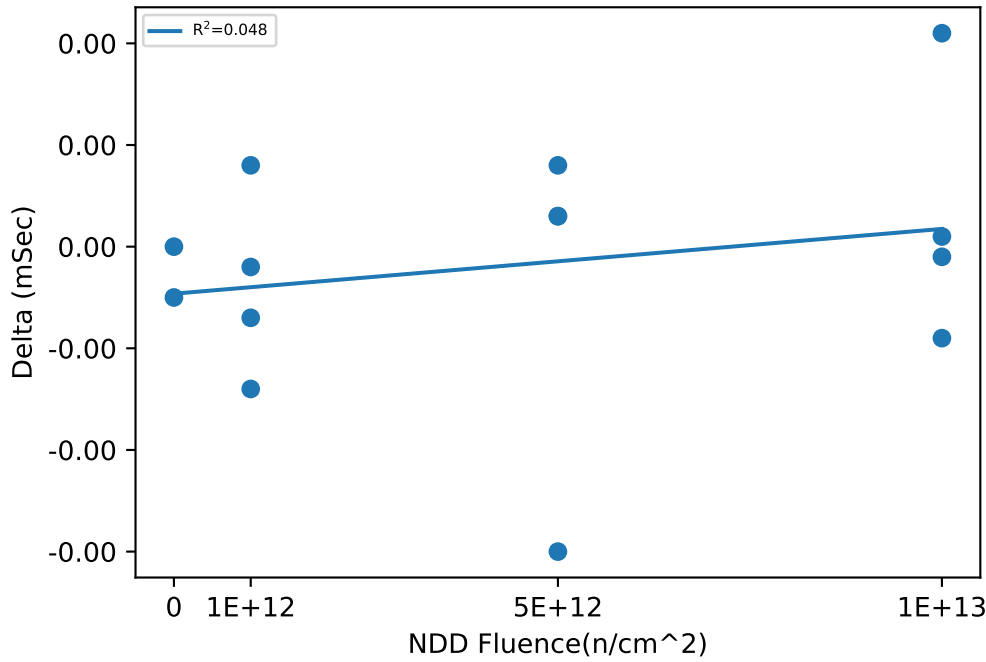
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.265	0.2636	-0.0014
2	1e+12	NDD Unbiased	0.266	0.2653	-0.0007
3	1e+12	NDD Unbiased	0.2645	0.2653	0.0008
4	1e+12	NDD Unbiased	0.2644	0.2642	-0.0002
5	5e+12	NDD Unbiased	0.2659	0.2662	0.0003
6	5e+12	NDD Unbiased	0.264	0.2648	0.0008
7	5e+12	NDD Unbiased	0.2667	0.267	0.0003
8	5e+12	NDD Unbiased	0.2681	0.2651	-0.003
9	1e+13	NDD Unbiased	0.2582	0.2583	0.0001
10	1e+13	NDD Unbiased	0.2663	0.2654	-0.0009
11	1e+13	NDD Unbiased	0.2561	0.2582	0.0021
12	1e+13	NDD Unbiased	0.2577	0.2576	-0.0001
53	0	Correlation	0.256	0.256	0
54	0	Correlation	0.2723	0.2718	-0.0005

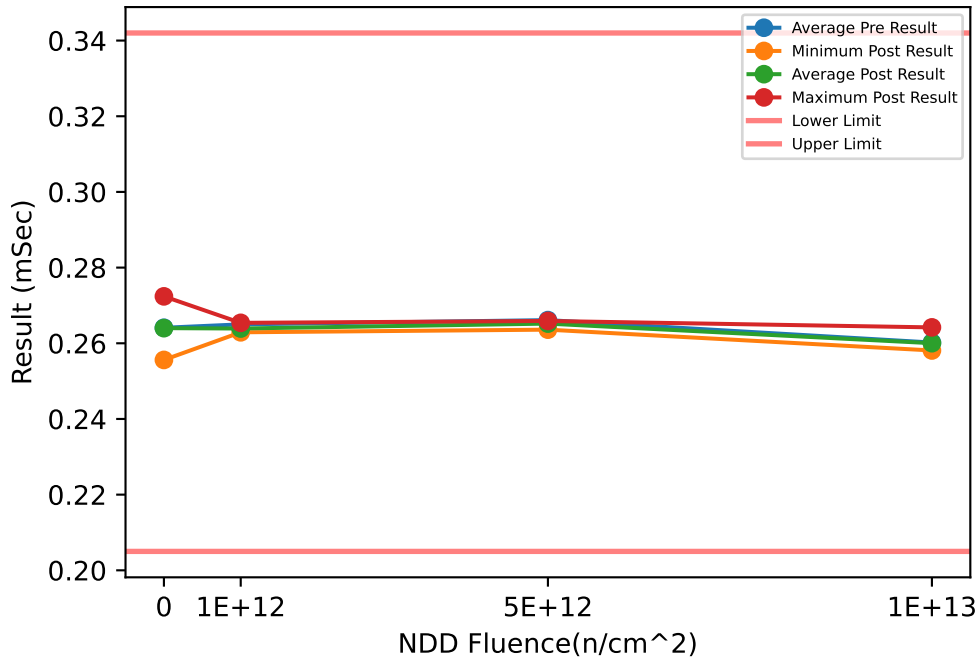
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.256	0.26415	0.2723	0.011526	0.256	0.2639	0.2718	0.011172	-0.0005	-0.00025	0	0.00035355
1e+12	0.2644	0.26498	0.266	0.00073201	0.2636	0.2646	0.2653	0.00084459	-0.0014	-0.000375	0.0008	0.00092511
5e+12	0.264	0.26617	0.2681	0.0017115	0.2648	0.26577	0.267	0.0010145	-0.003	-0.0004	0.0008	0.0017493
1e+13	0.2561	0.25958	0.2663	0.0045719	0.2576	0.25987	0.2654	0.0036963	-0.0009	0.0003	0.0021	0.0012754

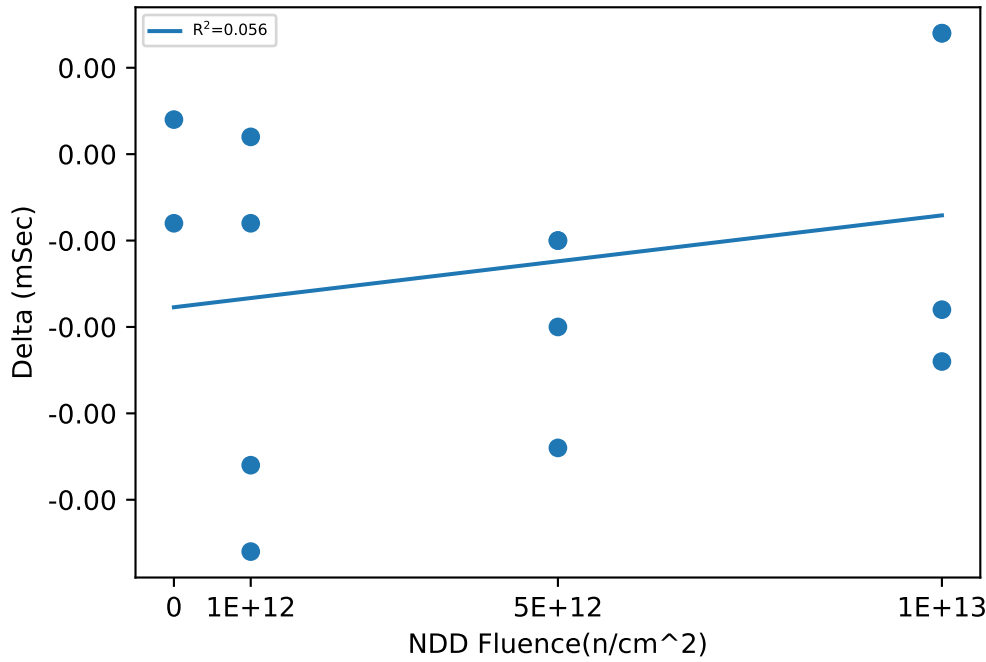
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2653	0.263	-0.0023
2	1e+12	NDD Unbiased	0.2653	0.2654	0.0001
3	1e+12	NDD Unbiased	0.2647	0.2643	-0.0004
4	1e+12	NDD Unbiased	0.2647	0.2629	-0.0018
5	5e+12	NDD Unbiased	0.266	0.2655	-0.0005
6	5e+12	NDD Unbiased	0.2646	0.2636	-0.001
7	5e+12	NDD Unbiased	0.2663	0.2658	-0.0005
8	5e+12	NDD Unbiased	0.2676	0.2659	-0.0017
9	1e+13	NDD Unbiased	0.2595	0.2586	-0.0009
10	1e+13	NDD Unbiased	0.2654	0.2642	-0.0012
11	1e+13	NDD Unbiased	0.2574	0.2581	0.0007
12	1e+13	NDD Unbiased	0.2585	0.2592	0.0007
53	0	Correlation	0.2554	0.2556	0.0002
54	0	Correlation	0.2728	0.2724	-0.0004

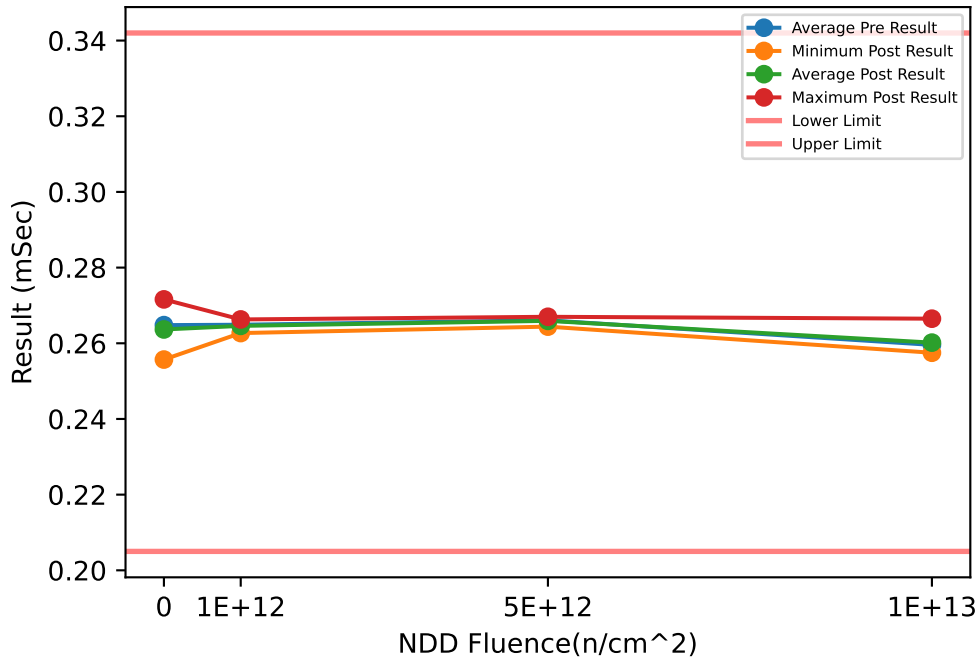
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2554	0.2641	0.2728	0.012304	0.2556	0.264	0.2724	0.011879	-0.0004	-0.0001	0.0002	0.00042426
1e+12	0.2647	0.265	0.2653	0.00034641	0.2629	0.2639	0.2654	0.001186	-0.0023	-0.0011	0.0001	0.0011343
5e+12	0.2646	0.26613	0.2676	0.0012312	0.2636	0.2652	0.2659	0.0010801	-0.0017	-0.000925	-0.0005	0.00056789
1e+13	0.2574	0.2602	0.2654	0.0035712	0.2581	0.26003	0.2642	0.0028194	-0.0012	-0.000175	0.0007	0.0010178

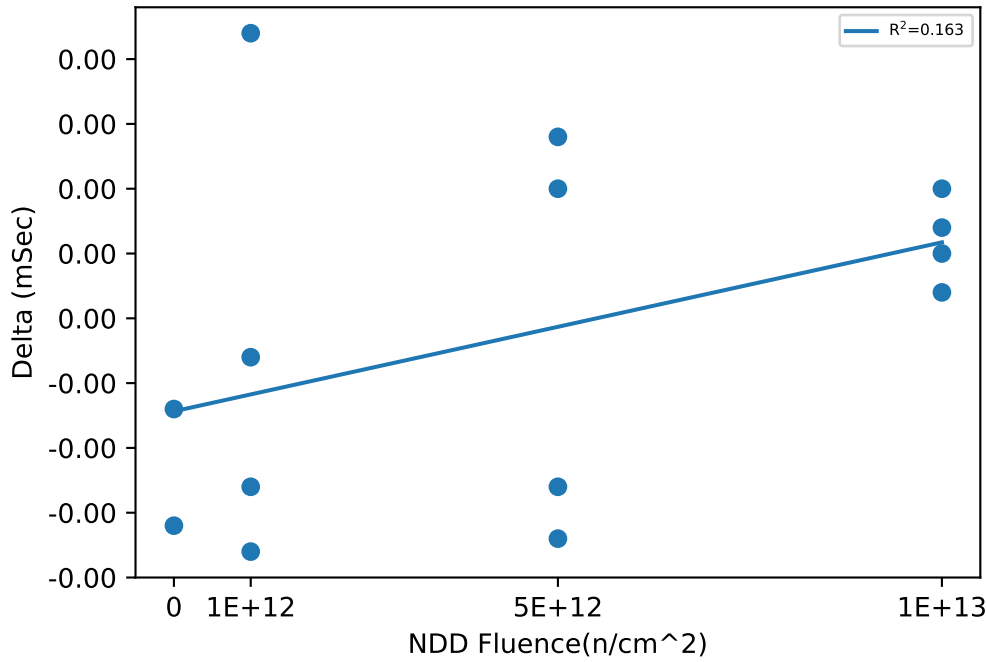
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2645	0.2627	-0.0018
2	1e+12	NDD Unbiased	0.2653	0.264	-0.0013
3	1e+12	NDD Unbiased	0.2657	0.2654	-0.0003
4	1e+12	NDD Unbiased	0.2641	0.2663	0.0022
5	5e+12	NDD Unbiased	0.2656	0.267	0.0014
6	5e+12	NDD Unbiased	0.2634	0.2644	0.001
7	5e+12	NDD Unbiased	0.2675	0.2662	-0.0013
8	5e+12	NDD Unbiased	0.2678	0.2661	-0.0017
9	1e+13	NDD Unbiased	0.2573	0.2575	0.0002
10	1e+13	NDD Unbiased	0.2655	0.2665	0.001
11	1e+13	NDD Unbiased	0.2569	0.2576	0.0007
12	1e+13	NDD Unbiased	0.2586	0.2591	0.0005
53	0	Correlation	0.2564	0.2557	-0.0007
54	0	Correlation	0.2732	0.2716	-0.0016

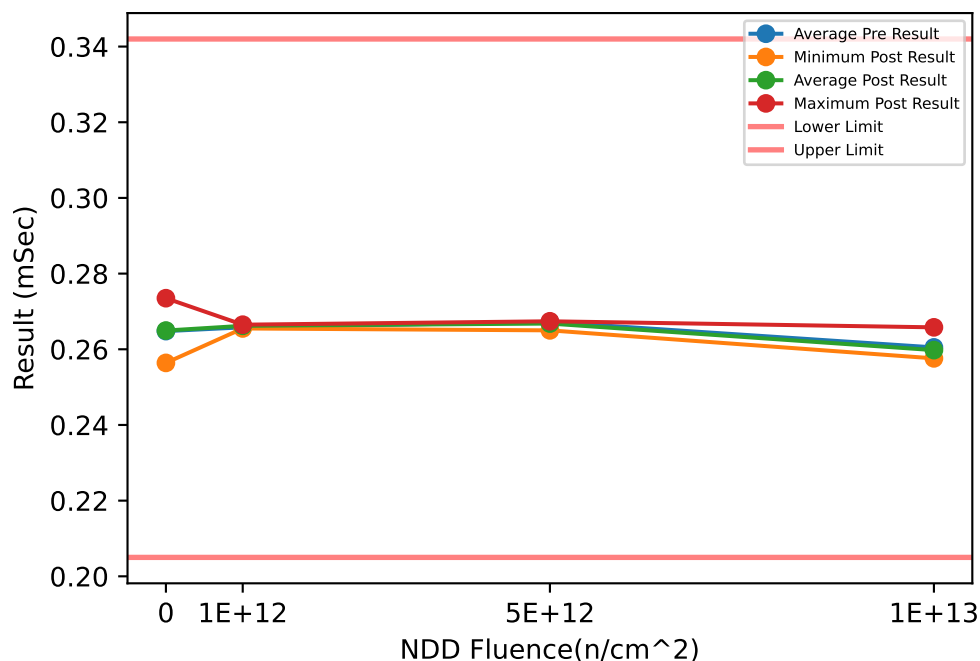
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2564	0.2648	0.2732	0.011879	0.2557	0.26365	0.2716	0.011243	-0.0016	-0.00115	-0.0007	0.0006364
1e+12	0.2641	0.2649	0.2657	0.0007303	0.2627	0.2646	0.2663	0.0015811	-0.0018	-0.0003	0.0022	0.0017795
5e+12	0.2634	0.26608	0.2678	0.002032	0.2644	0.26593	0.267	0.0010935	-0.0017	-0.00015	0.0014	0.0015759
1e+13	0.2569	0.25958	0.2655	0.0040161	0.2575	0.26017	0.2665	0.0042797	0.0002	0.0006	0.001	0.00033665

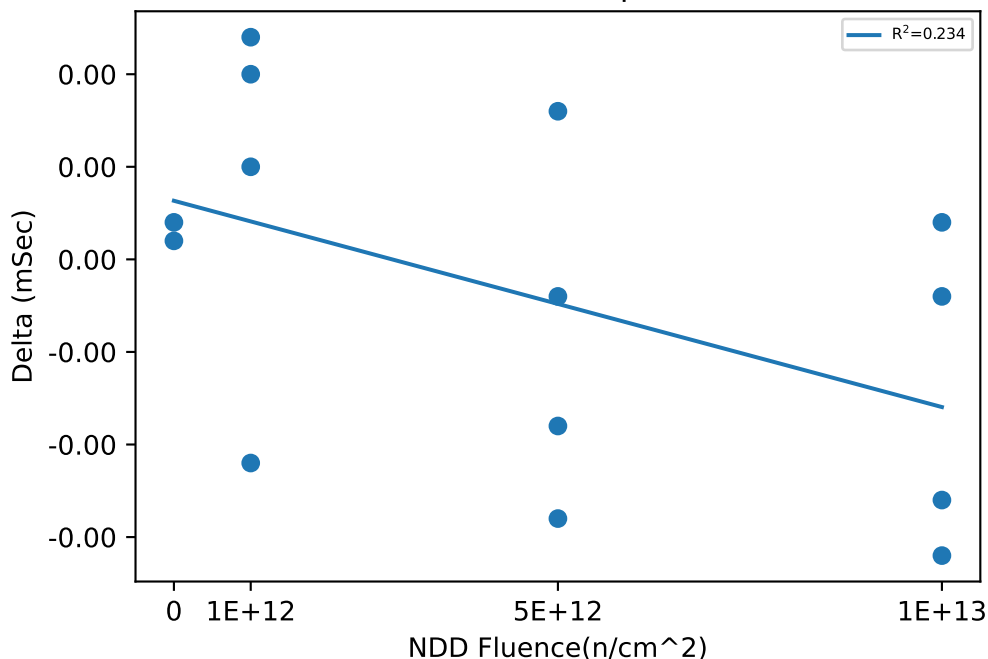
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2645	0.2655	0.001
2	1e+12	NDD Unbiased	0.2651	0.2663	0.0012
3	1e+12	NDD Unbiased	0.266	0.2665	0.0005
4	1e+12	NDD Unbiased	0.2676	0.2665	-0.0011
5	5e+12	NDD Unbiased	0.2676	0.2674	-0.0002
6	5e+12	NDD Unbiased	0.2642	0.265	0.0008
7	5e+12	NDD Unbiased	0.2683	0.2674	-0.0009
8	5e+12	NDD Unbiased	0.2688	0.2674	-0.0014
9	1e+13	NDD Unbiased	0.2595	0.2579	-0.0016
10	1e+13	NDD Unbiased	0.266	0.2658	-0.0002
11	1e+13	NDD Unbiased	0.2574	0.2576	0.0002
12	1e+13	NDD Unbiased	0.2591	0.2578	-0.0013
53	0	Correlation	0.2563	0.2564	0.0001
54	0	Correlation	0.2733	0.2735	0.0002

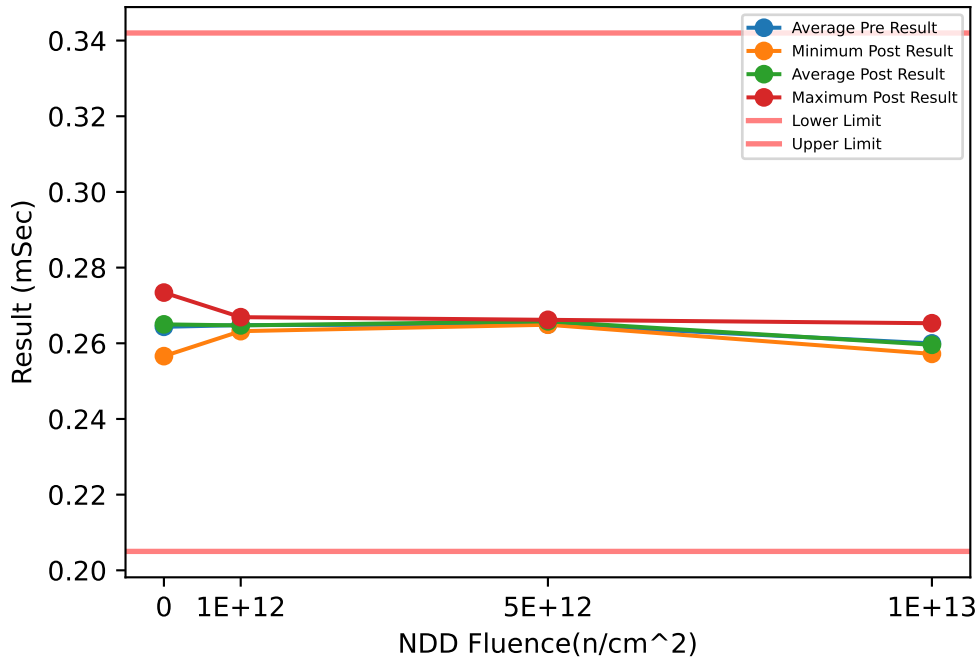
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2563	0.2648	0.2733	0.012021	0.2564	0.26495	0.2735	0.012092	0.0001	0.00015	0.0002	7.0711e-05
1e+12	0.2645	0.2658	0.2676	0.0013491	0.2655	0.2662	0.2665	0.0004761	-0.0011	0.0004	0.0012	0.0010424
5e+12	0.2642	0.26722	0.2688	0.0020759	0.265	0.2668	0.2674	0.0012	-0.0014	-0.000425	0.0008	0.0009535
1e+13	0.2574	0.2605	0.266	0.003778	0.2576	0.25977	0.2658	0.0040186	-0.0016	-0.000725	0.0002	0.00086168

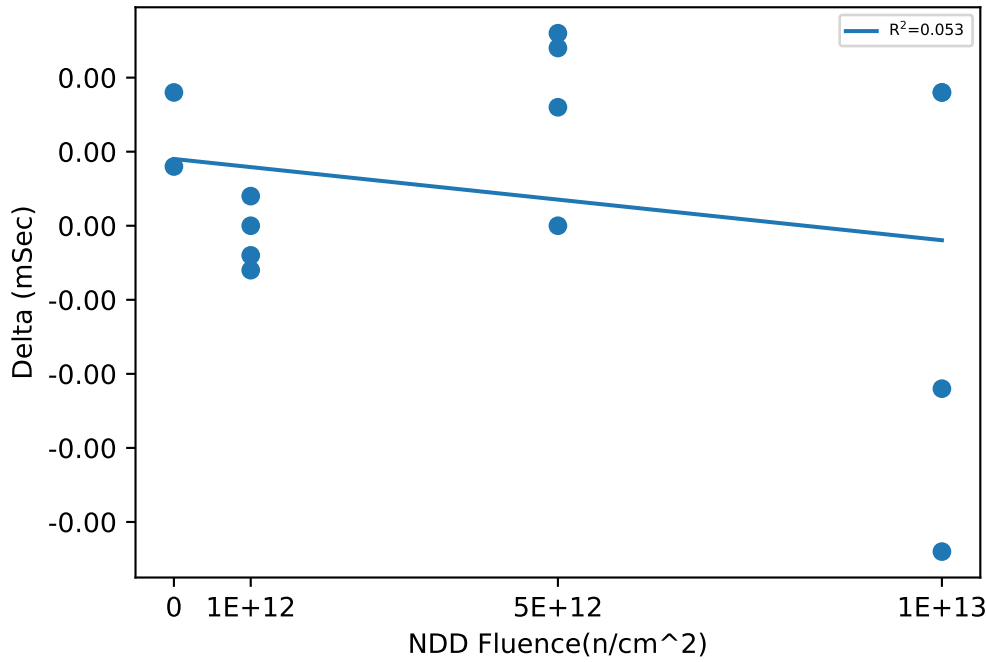
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2639	0.2637	-0.0002
2	1e+12	NDD Unbiased	0.2667	0.2669	0.0002
3	1e+12	NDD Unbiased	0.2654	0.2651	-0.0003
4	1e+12	NDD Unbiased	0.2632	0.2632	0
5	5e+12	NDD Unbiased	0.2653	0.2661	0.0008
6	5e+12	NDD Unbiased	0.2636	0.2649	0.0013
7	5e+12	NDD Unbiased	0.2662	0.2662	0
8	5e+12	NDD Unbiased	0.2648	0.266	0.0012
9	1e+13	NDD Unbiased	0.2594	0.2572	-0.0022
10	1e+13	NDD Unbiased	0.2664	0.2653	-0.0011
11	1e+13	NDD Unbiased	0.2569	0.2578	0.0009
12	1e+13	NDD Unbiased	0.2572	0.2581	0.0009
53	0	Correlation	0.2562	0.2566	0.0004
54	0	Correlation	0.2725	0.2734	0.0009

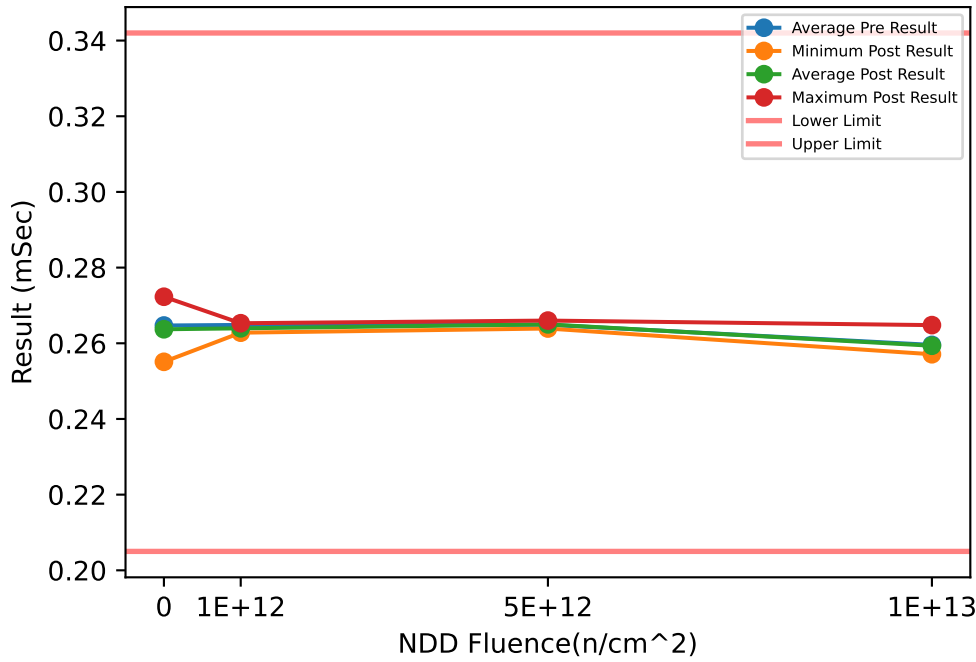
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2562	0.26435	0.2725	0.011526	0.2566	0.265	0.2734	0.011879	0.0004	0.00065	0.0009	0.00035355
1e+12	0.2632	0.2648	0.2667	0.0015642	0.2632	0.26472	0.2669	0.0016581	-0.0003	-7.5e-05	0.0002	0.00022174
5e+12	0.2636	0.26497	0.2662	0.0010844	0.2649	0.2658	0.2662	0.00060553	0	0.000825	0.0013	0.0005909
1e+13	0.2569	0.25998	0.2664	0.004426	0.2572	0.2596	0.2653	0.0038184	-0.0022	-0.000375	0.0009	0.0015392

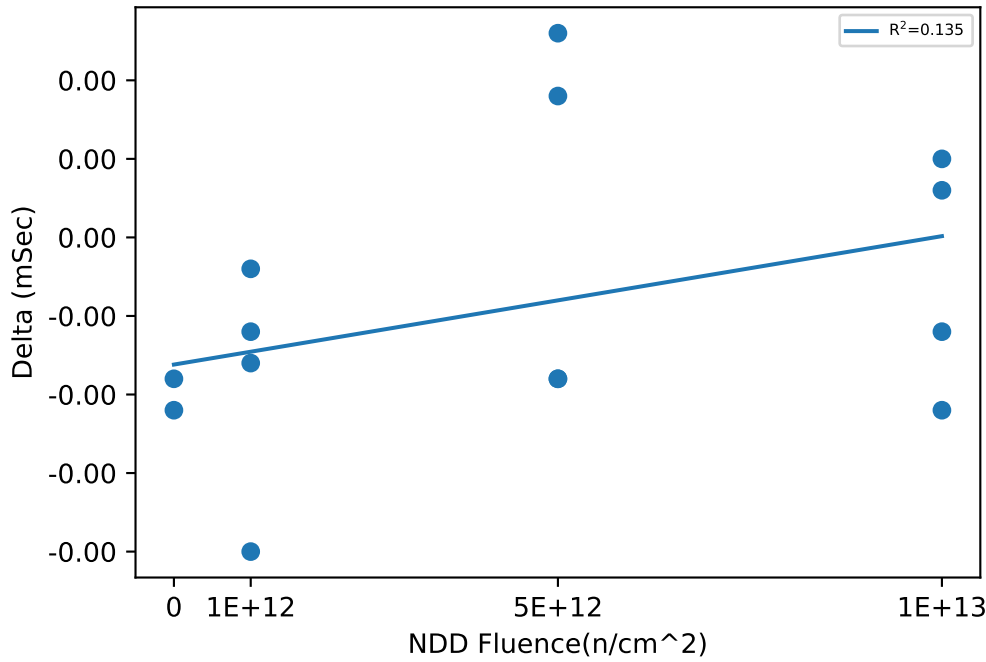
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2634	0.2628	-0.0006
2	1e+12	NDD Unbiased	0.2655	0.2653	-0.0002
3	1e+12	NDD Unbiased	0.2652	0.2644	-0.0008
4	1e+12	NDD Unbiased	0.2653	0.2633	-0.002
5	5e+12	NDD Unbiased	0.2647	0.266	0.0013
6	5e+12	NDD Unbiased	0.263	0.2639	0.0009
7	5e+12	NDD Unbiased	0.2659	0.265	-0.0009
8	5e+12	NDD Unbiased	0.266	0.2651	-0.0009
9	1e+13	NDD Unbiased	0.2579	0.2584	0.0005
10	1e+13	NDD Unbiased	0.2645	0.2648	0.0003
11	1e+13	NDD Unbiased	0.2577	0.2571	-0.0006
12	1e+13	NDD Unbiased	0.2582	0.2571	-0.0011
53	0	Correlation	0.2562	0.2551	-0.0011
54	0	Correlation	0.2732	0.2723	-0.0009

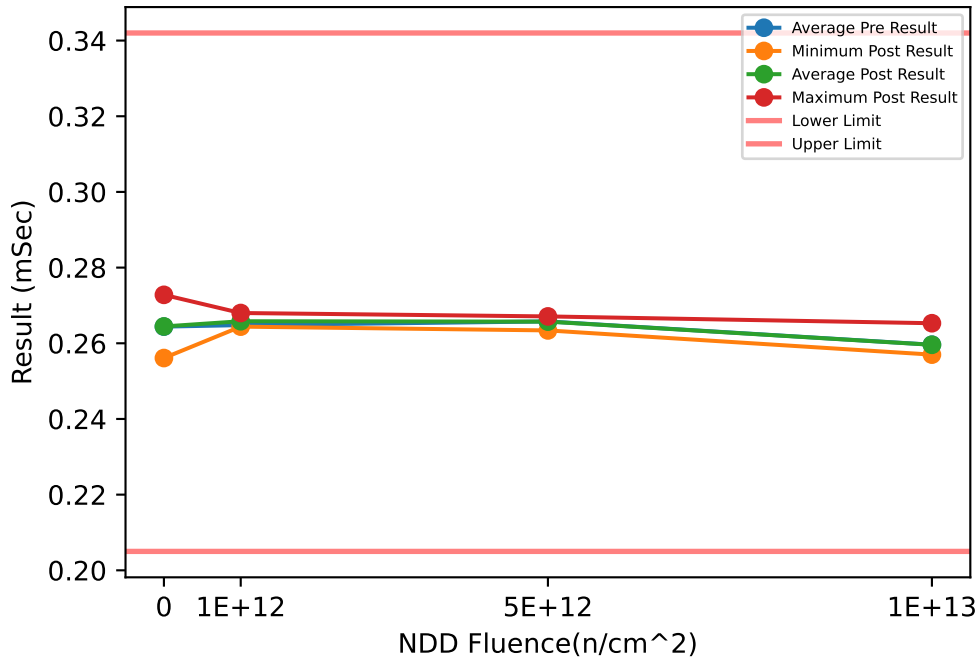
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2562	0.2647	0.2732	0.012021	0.2551	0.2637	0.2723	0.012162	-0.0011	-0.001	-0.0009	0.00014142
1e+12	0.2634	0.26485	0.2655	0.00097468	0.2628	0.26395	0.2653	0.001121	-0.002	-0.0009	-0.0002	0.0007746
5e+12	0.263	0.2649	0.266	0.0013976	0.2639	0.265	0.266	0.00086023	-0.0009	0.0001	0.0013	0.0011662
1e+13	0.2577	0.25958	0.2645	0.0032898	0.2571	0.25935	0.2648	0.0036847	-0.0011	-0.000225	0.0005	0.00075443

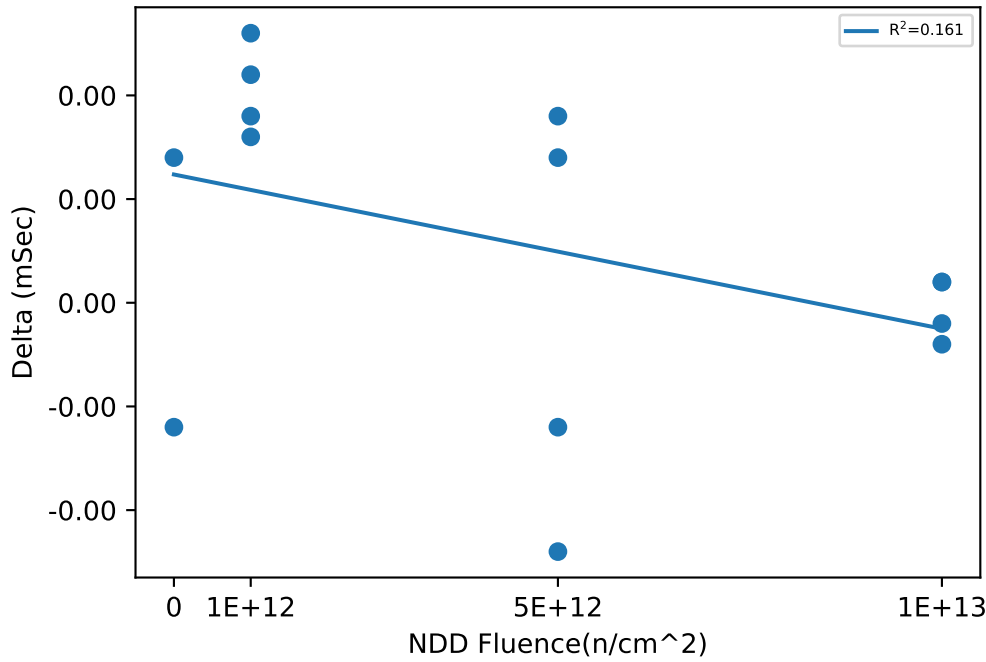
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2637	0.2645	0.0008
2	1e+12	NDD Unbiased	0.2651	0.2664	0.0013
3	1e+12	NDD Unbiased	0.2669	0.268	0.0011
4	1e+12	NDD Unbiased	0.2635	0.2644	0.0009
5	5e+12	NDD Unbiased	0.2662	0.2671	0.0009
6	5e+12	NDD Unbiased	0.2646	0.2634	-0.0012
7	5e+12	NDD Unbiased	0.266	0.2667	0.0007
8	5e+12	NDD Unbiased	0.2663	0.2657	-0.0006
9	1e+13	NDD Unbiased	0.258	0.2581	0.0001
10	1e+13	NDD Unbiased	0.2655	0.2653	-0.0002
11	1e+13	NDD Unbiased	0.2571	0.257	-0.0001
12	1e+13	NDD Unbiased	0.2579	0.258	0.0001
53	0	Correlation	0.2554	0.2561	0.0007
54	0	Correlation	0.2734	0.2728	-0.0006

NDD vs Post - Pre Exposure Delta

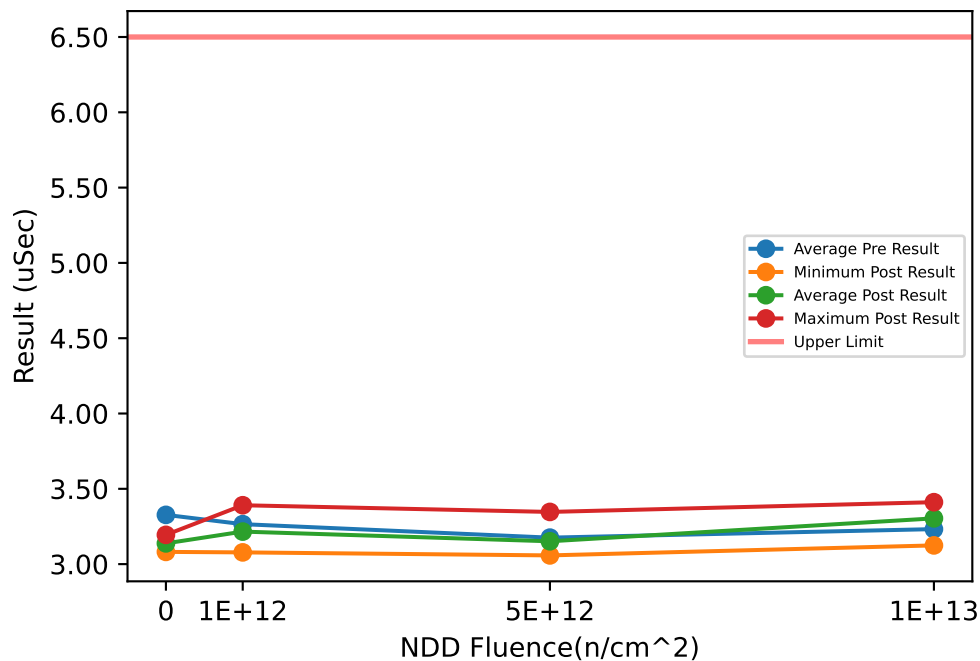


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2554	0.2644	0.2734	0.012728	0.2561	0.26445	0.2728	0.011809	-0.0006	5e-05	0.0007	0.00091924
1e+12	0.2635	0.2648	0.2669	0.0015706	0.2644	0.26583	0.268	0.0017173	0.0008	0.001025	0.0013	0.00022174
5e+12	0.2646	0.26577	0.2663	0.0007932	0.2634	0.26572	0.2671	0.0016581	-0.0012	-5e-05	0.0009	0.0010149
1e+13	0.2571	0.25962	0.2655	0.0039373	0.257	0.2596	0.2653	0.0038323	-0.0002	-2.5e-05	0.0001	0.00015

Device Test: 17.15 TPD_EN(_DELAY|STEP_UP/EN3/1.6/14/0/0/0/@TPD_EN)

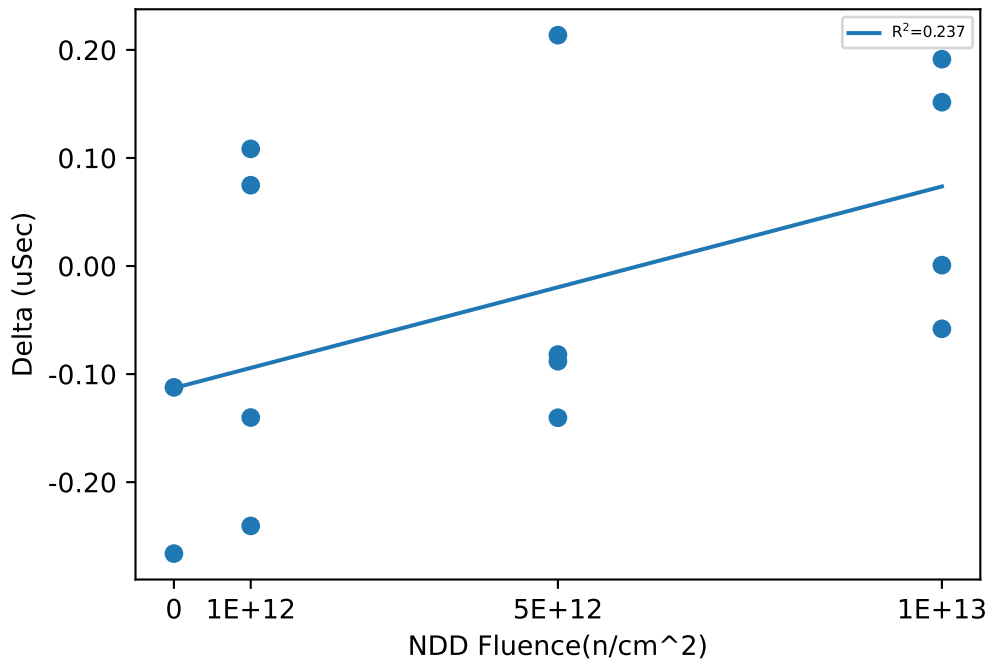
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.0816	3.19	0.1084
2	1e+12	NDD Unbiased	3.3161	3.3909	0.0748
3	1e+12	NDD Unbiased	3.4454	3.2049	-0.2405
4	1e+12	NDD Unbiased	3.2181	3.0779	-0.1402
5	5e+12	NDD Unbiased	3.177	3.0889	-0.0881
6	5e+12	NDD Unbiased	3.2535	3.1131	-0.1404
7	5e+12	NDD Unbiased	3.1398	3.0579	-0.0819
8	5e+12	NDD Unbiased	3.1329	3.3465	0.2136
9	1e+13	NDD Unbiased	3.351	3.3518	0.0008
10	1e+13	NDD Unbiased	3.2198	3.4112	0.1914
11	1e+13	NDD Unbiased	3.386	3.3279	-0.0581
12	1e+13	NDD Unbiased	2.9727	3.1243	0.1516
53	0	Correlation	3.3473	3.0812	-0.2661
54	0	Correlation	3.3066	3.1943	-0.1123

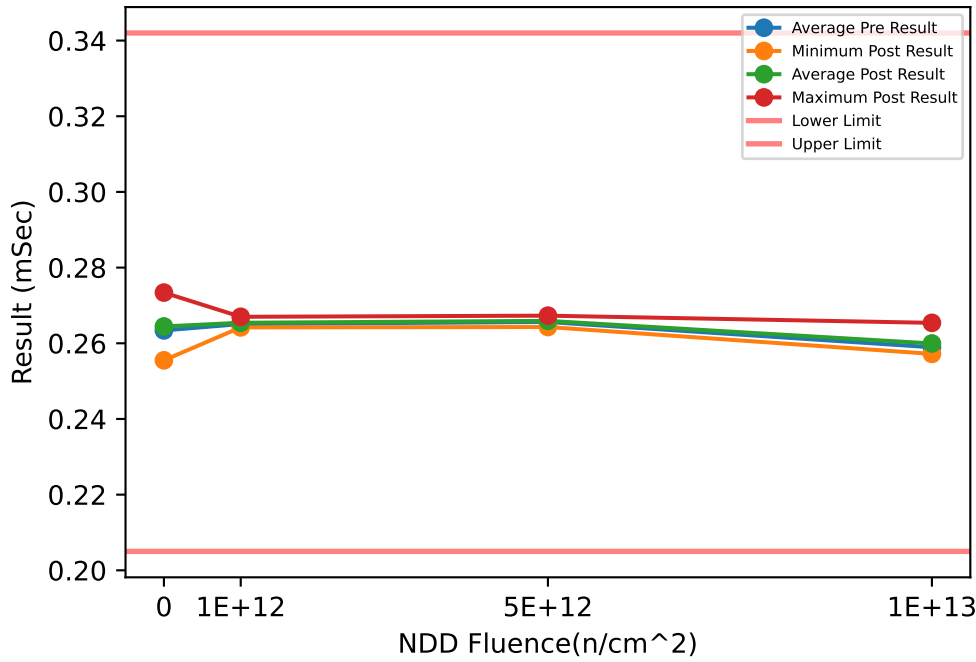
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3066	3.327	3.3473	0.028779	3.0812	3.1378	3.1943	0.079974	-0.2661	-0.1892	-0.1123	0.10875
1e+12	3.0816	3.2653	3.4454	0.15383	3.0779	3.2159	3.3909	0.12969	-0.2405	-0.049375	0.1084	0.16841
5e+12	3.1329	3.1758	3.2535	0.055303	3.0579	3.1516	3.3465	0.13188	-0.1404	-0.0242	0.2136	0.16069
1e+13	2.9727	3.2324	3.386	0.18732	3.1243	3.3038	3.4112	0.12469	-0.0581	0.071425	0.1914	0.11915

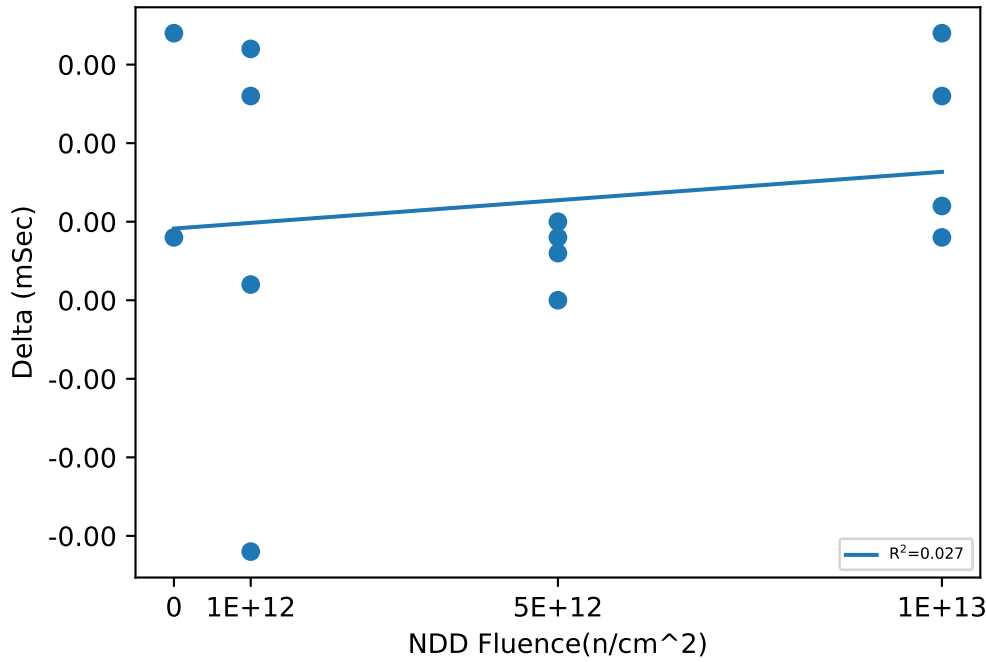
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2641	0.2642	0.0001
2	1e+12	NDD Unbiased	0.2657	0.267	0.0013
3	1e+12	NDD Unbiased	0.267	0.2654	-0.0016
4	1e+12	NDD Unbiased	0.2635	0.2651	0.0016
5	5e+12	NDD Unbiased	0.2656	0.266	0.0004
6	5e+12	NDD Unbiased	0.264	0.2643	0.0003
7	5e+12	NDD Unbiased	0.2668	0.2673	0.0005
8	5e+12	NDD Unbiased	0.2661	0.2661	0
9	1e+13	NDD Unbiased	0.2566	0.2572	0.0006
10	1e+13	NDD Unbiased	0.2641	0.2654	0.0013
11	1e+13	NDD Unbiased	0.2571	0.2588	0.0017
12	1e+13	NDD Unbiased	0.258	0.2584	0.0004
53	0	Correlation	0.2551	0.2555	0.0004
54	0	Correlation	0.2717	0.2734	0.0017

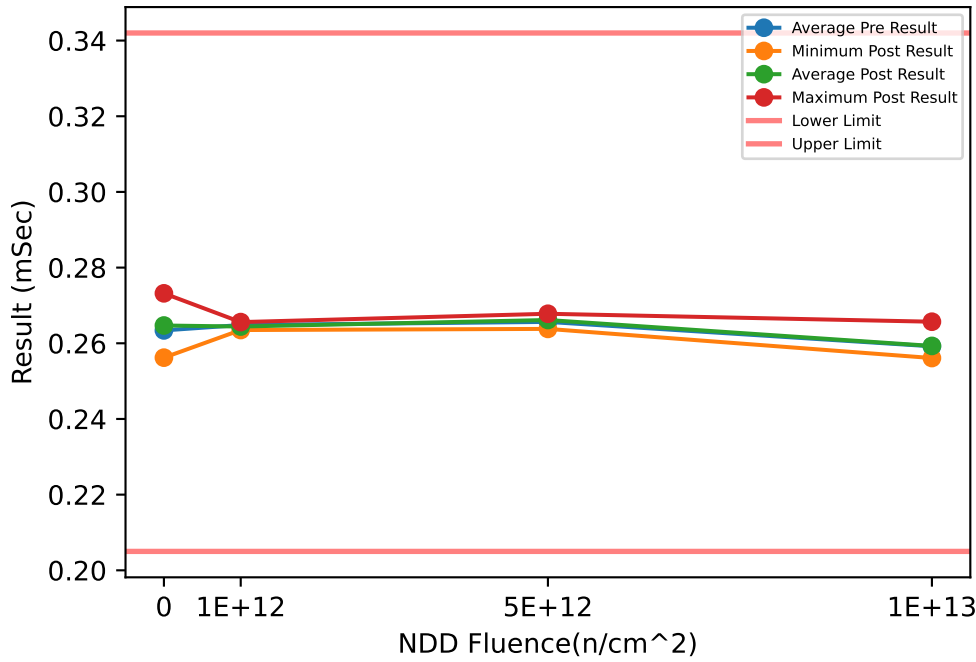
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2551	0.2634	0.2717	0.011738	0.2555	0.26445	0.2734	0.012657	0.0004	0.00105	0.0017	0.00091924
1e+12	0.2635	0.26508	0.267	0.001584	0.2642	0.26543	0.267	0.0011673	-0.0016	0.00035	0.0016	0.0014526
5e+12	0.264	0.26562	0.2668	0.0011899	0.2643	0.26592	0.2673	0.0012339	0	0.0003	0.0005	0.00021602
1e+13	0.2566	0.25895	0.2641	0.0034819	0.2572	0.25995	0.2654	0.0036964	0.0004	0.001	0.0017	0.00060553

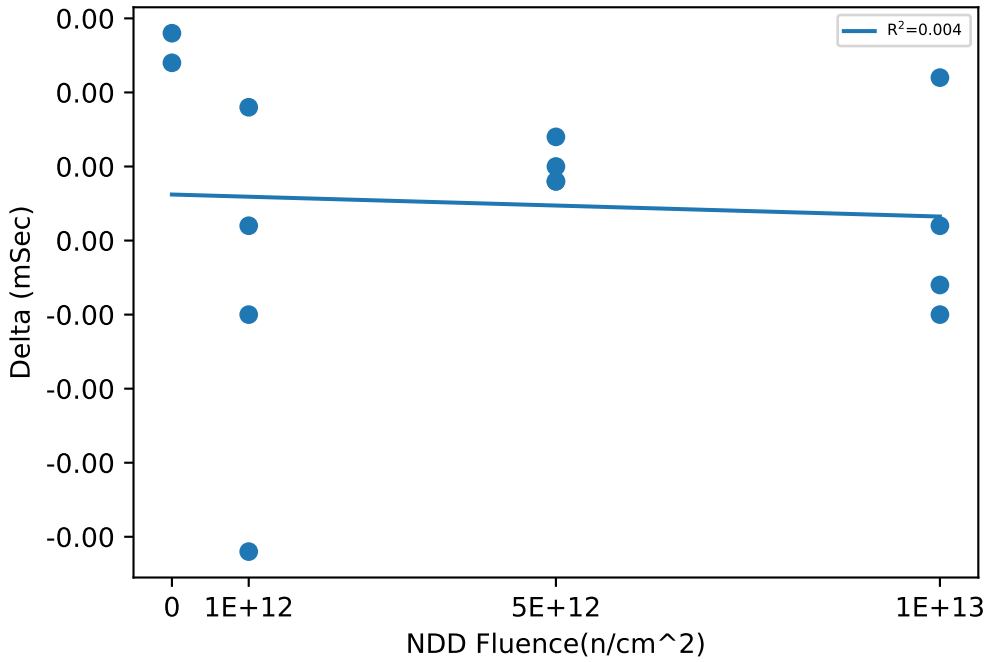
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.264	0.2635	-0.0005
2	1e+12	NDD Unbiased	0.2662	0.2641	-0.0021
3	1e+12	NDD Unbiased	0.2655	0.2656	0.0001
4	1e+12	NDD Unbiased	0.2636	0.2645	0.0009
5	5e+12	NDD Unbiased	0.266	0.2665	0.0005
6	5e+12	NDD Unbiased	0.2631	0.2638	0.0007
7	5e+12	NDD Unbiased	0.2674	0.2678	0.0004
8	5e+12	NDD Unbiased	0.2661	0.2665	0.0004
9	1e+13	NDD Unbiased	0.2588	0.2585	-0.0003
10	1e+13	NDD Unbiased	0.2646	0.2657	0.0011
11	1e+13	NDD Unbiased	0.2566	0.2561	-0.0005
12	1e+13	NDD Unbiased	0.2568	0.2569	0.0001
53	0	Correlation	0.2548	0.2562	0.0014
54	0	Correlation	0.272	0.2732	0.0012

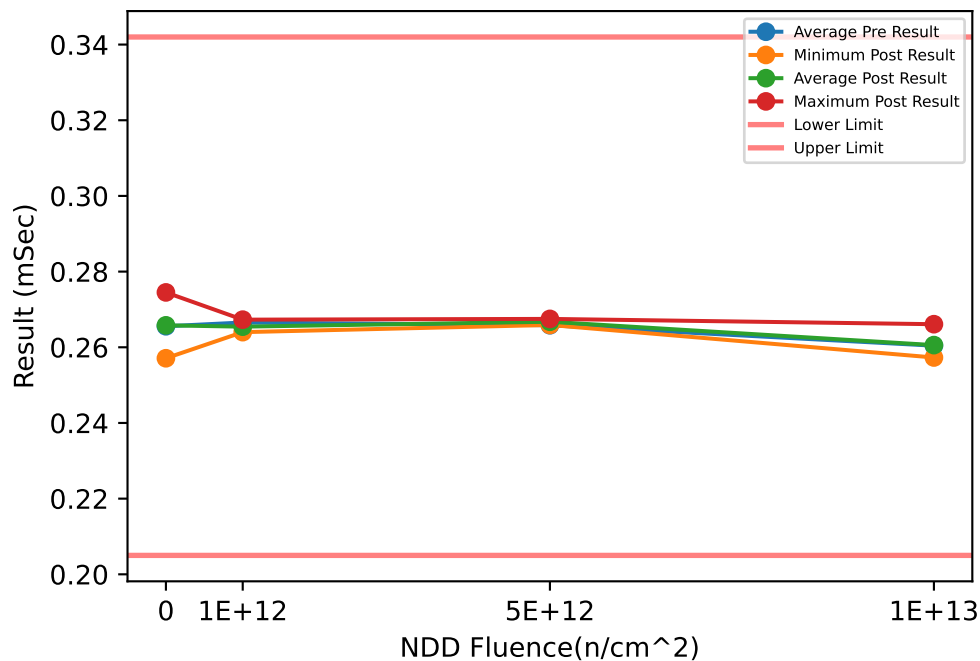
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2548	0.2634	0.272	0.012162	0.2562	0.2647	0.2732	0.012021	0.0012	0.0013	0.0014	0.00014142
1e+12	0.2636	0.26482	0.2662	0.0012285	0.2635	0.26443	0.2656	0.00088459	-0.0021	-0.0004	0.0009	0.0012702
5e+12	0.2631	0.26565	0.2674	0.0018157	0.2638	0.26615	0.2678	0.0016823	0.0004	0.0005	0.0007	0.00014142
1e+13	0.2566	0.2592	0.2646	0.0037345	0.2561	0.2593	0.2657	0.0043818	-0.0005	0.0001	0.0011	0.00071181

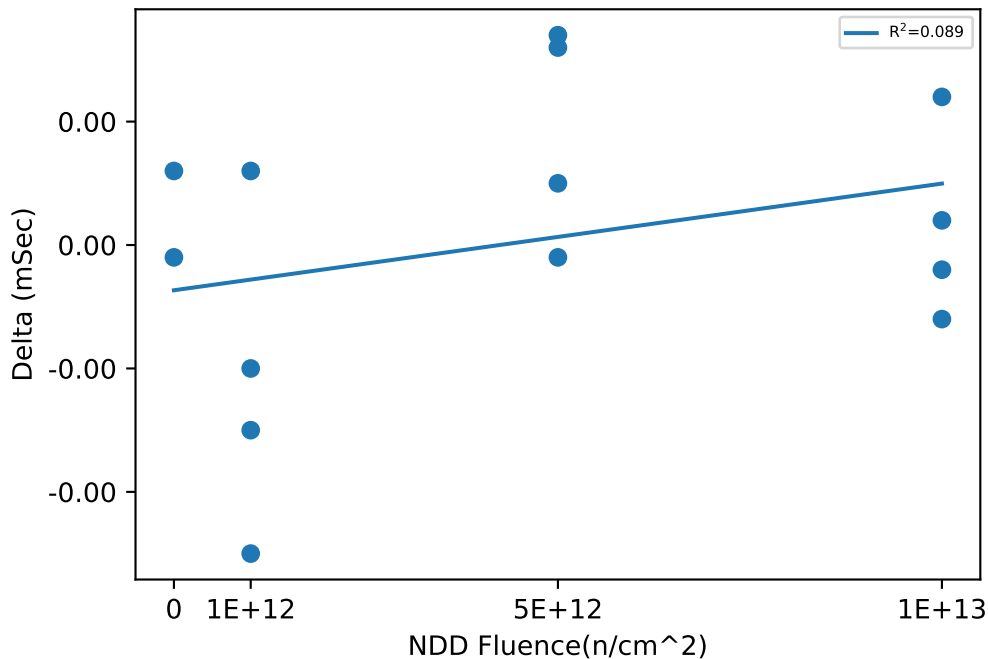
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2646	0.2652	0.0006
2	1e+12	NDD Unbiased	0.2678	0.2653	-0.0025
3	1e+12	NDD Unbiased	0.2683	0.2673	-0.001
4	1e+12	NDD Unbiased	0.2655	0.264	-0.0015
5	5e+12	NDD Unbiased	0.2665	0.2664	-0.0001
6	5e+12	NDD Unbiased	0.2643	0.2659	0.0016
7	5e+12	NDD Unbiased	0.267	0.2675	0.0005
8	5e+12	NDD Unbiased	0.2655	0.2672	0.0017
9	1e+13	NDD Unbiased	0.2588	0.259	0.0002
10	1e+13	NDD Unbiased	0.2663	0.2661	-0.0002
11	1e+13	NDD Unbiased	0.2579	0.2573	-0.0006
12	1e+13	NDD Unbiased	0.2587	0.2599	0.0012
53	0	Correlation	0.2572	0.2571	-0.0001
54	0	Correlation	0.2739	0.2745	0.0006

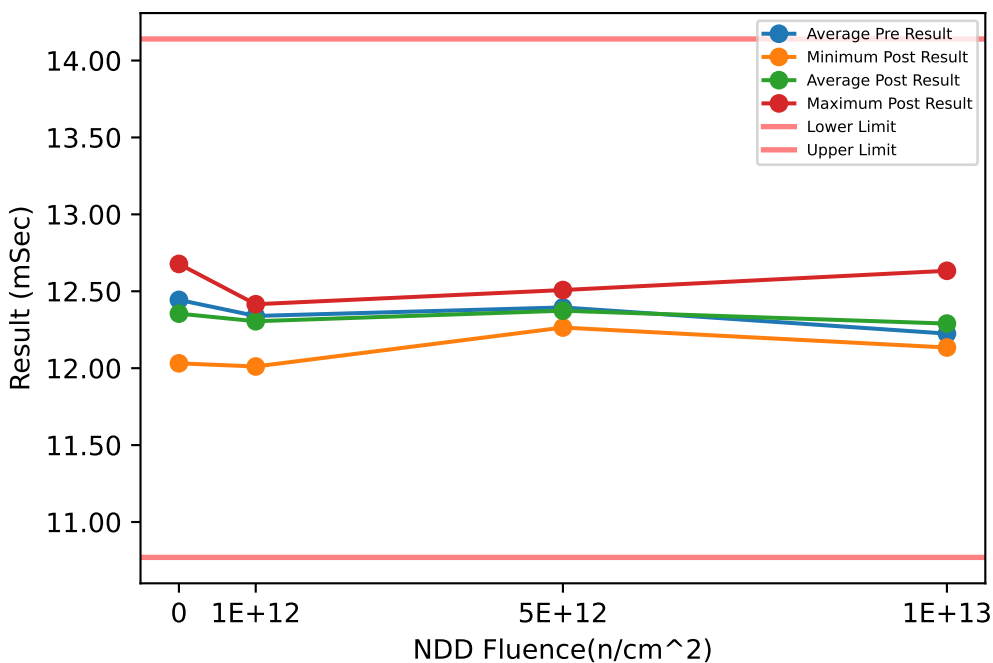
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2572	0.26555	0.2739	0.011809	0.2571	0.2658	0.2745	0.012304	-0.0001	0.00025	0.0006	0.00049497
1e+12	0.2646	0.26655	0.2683	0.0017823	0.264	0.26545	0.2673	0.0013675	-0.0025	-0.0011	0.0006	0.0012936
5e+12	0.2643	0.26582	0.267	0.0011927	0.2659	0.26675	0.2675	0.00073258	-0.0001	0.000925	0.0017	0.00087321
1e+13	0.2579	0.26043	0.2663	0.0039373	0.2573	0.26058	0.2661	0.0038379	-0.0006	0.00015	0.0012	0.00077244

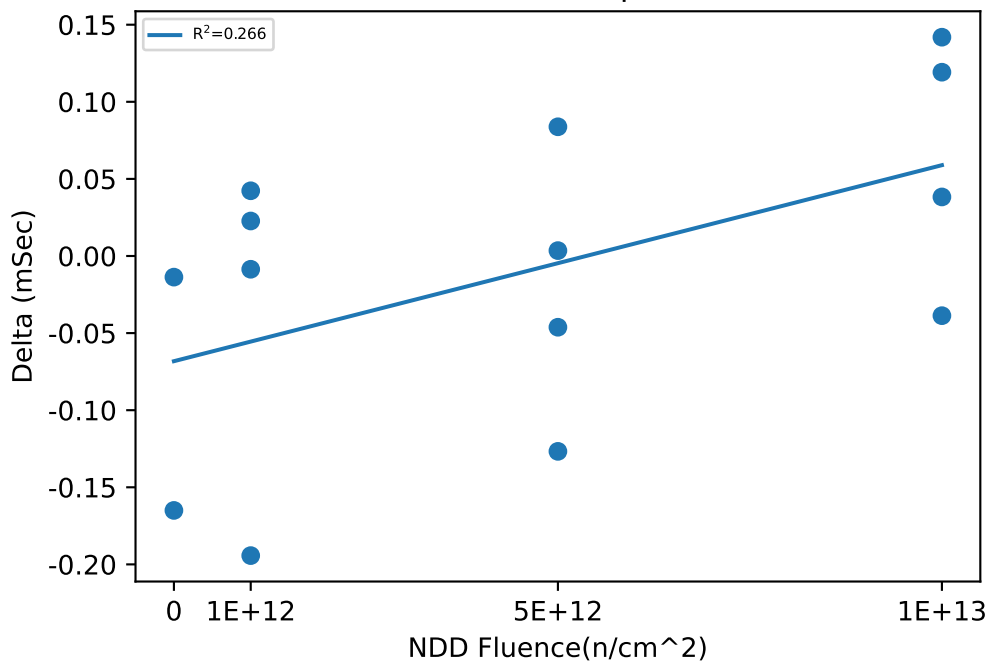
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.394	12.385	-0.0086
2	1e+12	NDD Unbiased	12.61	12.416	-0.1943
3	1e+12	NDD Unbiased	12.366	12.408	0.0423
4	1e+12	NDD Unbiased	11.988	12.011	0.0227
5	5e+12	NDD Unbiased	12.543	12.416	-0.1267
6	5e+12	NDD Unbiased	12.261	12.264	0.0035
7	5e+12	NDD Unbiased	12.424	12.508	0.0838
8	5e+12	NDD Unbiased	12.352	12.306	-0.0462
9	1e+13	NDD Unbiased	12.238	12.199	-0.0387
10	1e+13	NDD Unbiased	12.491	12.633	0.1419
11	1e+13	NDD Unbiased	12.074	12.194	0.1192
12	1e+13	NDD Unbiased	12.096	12.134	0.0383
53	0	Correlation	12.197	12.032	-0.165
54	0	Correlation	12.691	12.678	-0.0137

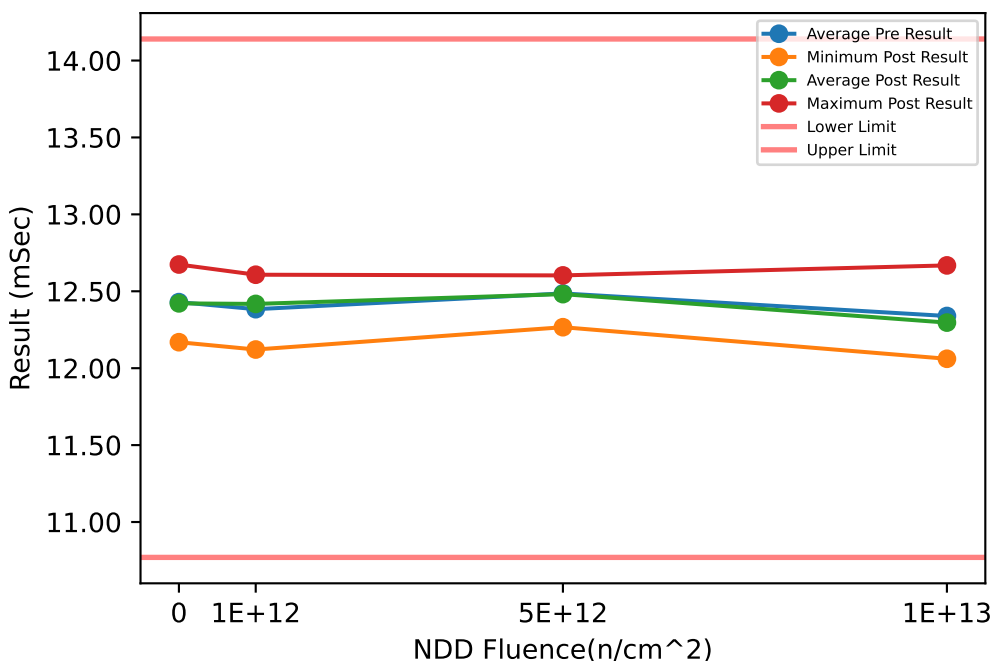
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.197	12.444	12.691	0.34988	12.032	12.355	12.678	0.45686	-0.165	-0.08935	-0.0137	0.10699
1e+12	11.988	12.34	12.61	0.2583	12.011	12.305	12.416	0.19645	-0.1943	-0.034475	0.0423	0.10859
5e+12	12.261	12.395	12.543	0.11929	12.264	12.374	12.508	0.11024	-0.1267	-0.0214	0.0838	0.088299
1e+13	12.074	12.225	12.491	0.19176	12.134	12.29	12.633	0.23061	-0.0387	0.065175	0.1419	0.082296

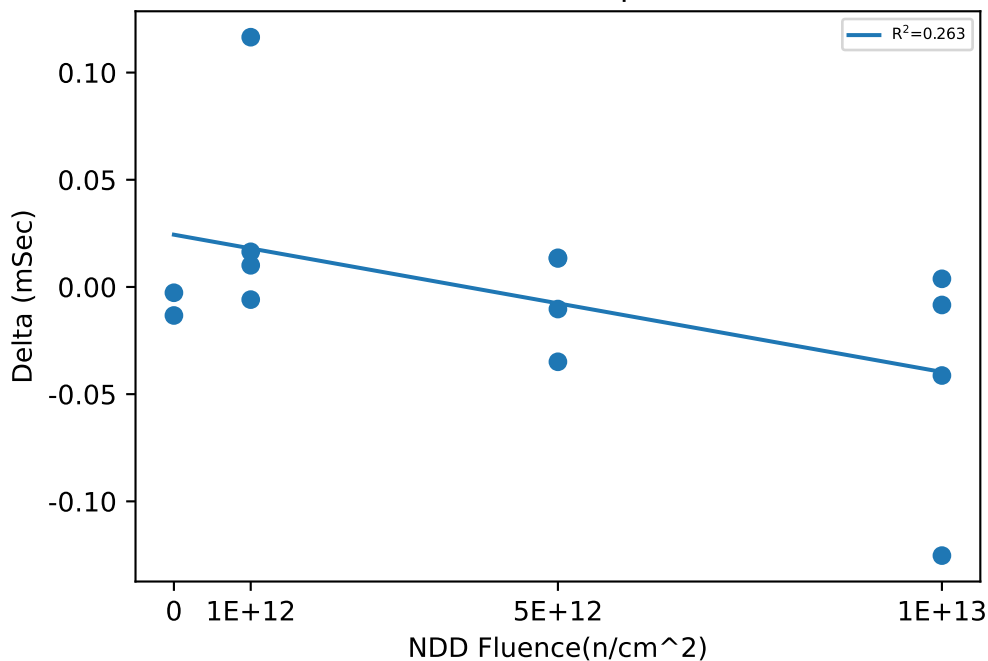
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.274	12.391	0.1165
2	1e+12	NDD Unbiased	12.591	12.608	0.0164
3	1e+12	NDD Unbiased	12.542	12.552	0.0101
4	1e+12	NDD Unbiased	12.127	12.121	-0.0059
5	5e+12	NDD Unbiased	12.573	12.586	0.0133
6	5e+12	NDD Unbiased	12.253	12.266	0.0136
7	5e+12	NDD Unbiased	12.614	12.603	-0.0103
8	5e+12	NDD Unbiased	12.505	12.47	-0.0349
9	1e+13	NDD Unbiased	12.226	12.185	-0.0413
10	1e+13	NDD Unbiased	12.677	12.668	-0.0084
11	1e+13	NDD Unbiased	12.187	12.061	-0.1253
12	1e+13	NDD Unbiased	12.268	12.271	0.0038
53	0	Correlation	12.172	12.169	-0.0027
54	0	Correlation	12.687	12.674	-0.0133

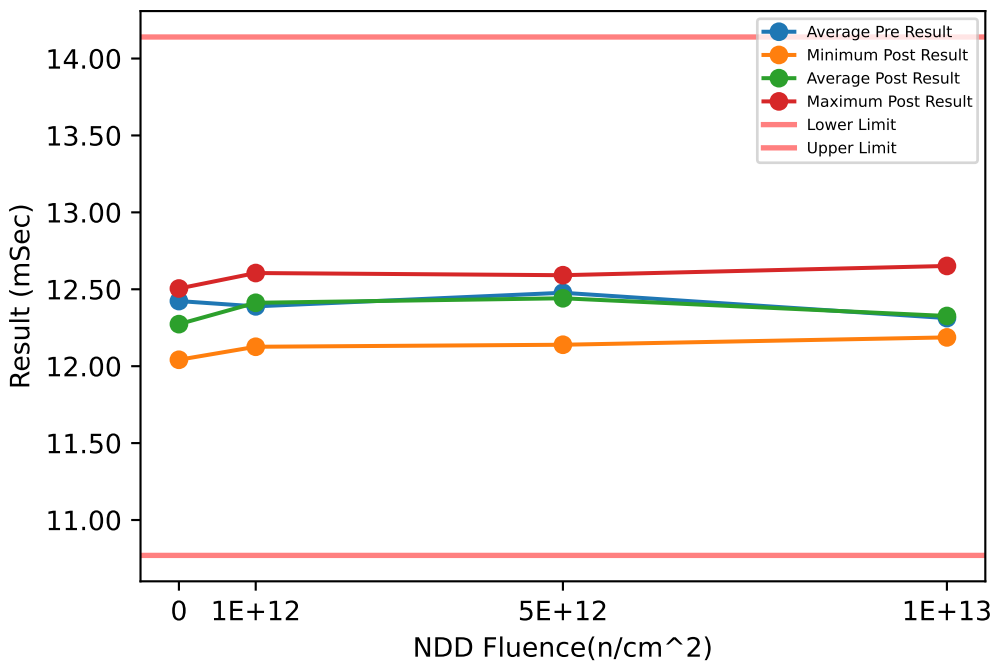
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.172	12.429	12.687	0.36465	12.169	12.421	12.674	0.35716	-0.0133	-0.008	-0.0027	0.0074953
1e+12	12.127	12.384	12.591	0.22043	12.121	12.418	12.608	0.21802	-0.0059	0.034275	0.1165	0.055615
5e+12	12.253	12.486	12.614	0.16177	12.266	12.481	12.603	0.15503	-0.0349	-0.004575	0.0136	0.02311
1e+13	12.187	12.339	12.677	0.22732	12.061	12.296	12.668	0.26242	-0.1253	-0.0428	0.0038	0.058205

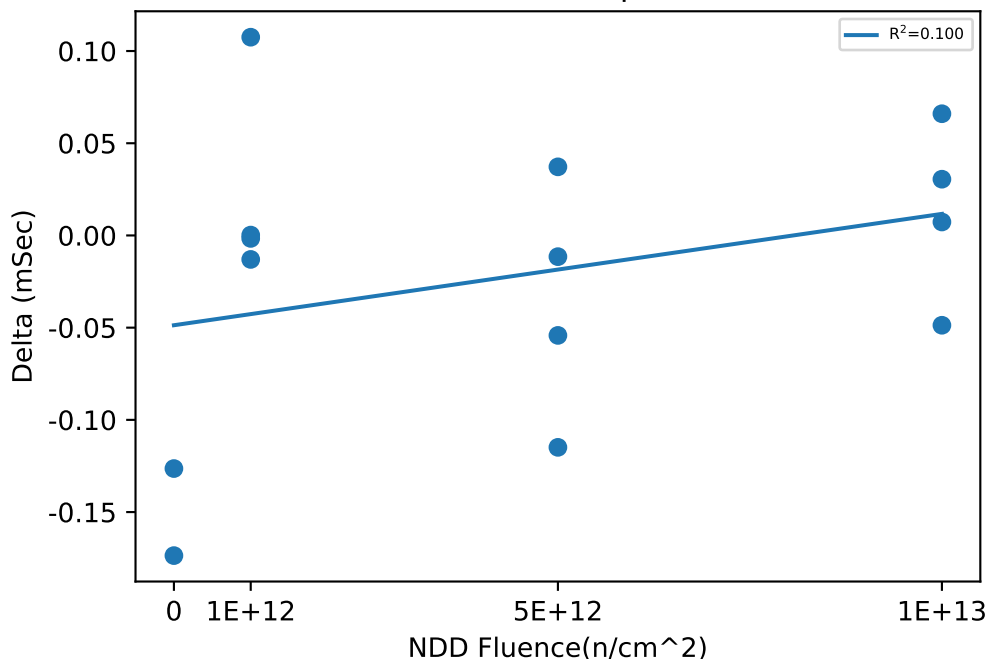
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.402	12.389	-0.013
2	1e+12	NDD Unbiased	12.607	12.606	-0.0016
3	1e+12	NDD Unbiased	12.528	12.528	0.0002
4	1e+12	NDD Unbiased	12.019	12.126	0.1075
5	5e+12	NDD Unbiased	12.554	12.591	0.0372
6	5e+12	NDD Unbiased	12.254	12.139	-0.1149
7	5e+12	NDD Unbiased	12.591	12.58	-0.0115
8	5e+12	NDD Unbiased	12.509	12.455	-0.0542
9	1e+13	NDD Unbiased	12.236	12.187	-0.0487
10	1e+13	NDD Unbiased	12.586	12.652	0.066
11	1e+13	NDD Unbiased	12.184	12.191	0.0073
12	1e+13	NDD Unbiased	12.245	12.275	0.0305
53	0	Correlation	12.168	12.042	-0.1264
54	0	Correlation	12.679	12.505	-0.1736

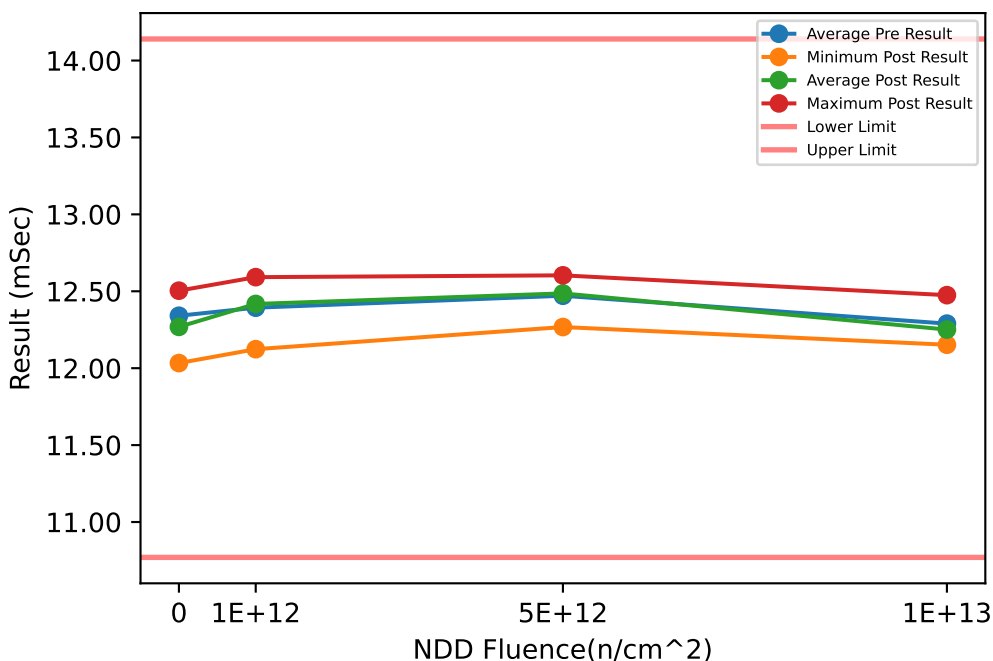
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.168	12.423	12.679	0.36098	12.042	12.273	12.505	0.3276	-0.1736	-0.15	-0.1264	0.033375
1e+12	12.019	12.389	12.607	0.26081	12.126	12.412	12.606	0.21061	-0.013	0.023275	0.1075	0.056453
5e+12	12.254	12.477	12.591	0.15241	12.139	12.441	12.591	0.21062	-0.1149	-0.03585	0.0372	0.064588
1e+13	12.184	12.313	12.586	0.18398	12.187	12.326	12.652	0.2206	-0.0487	0.013775	0.066	0.048139

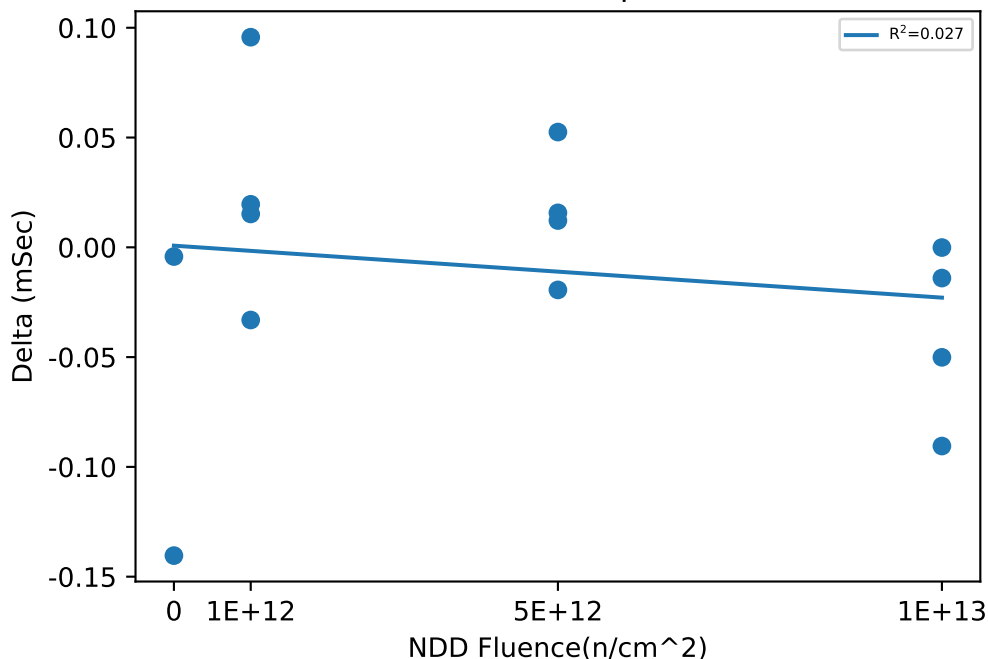
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.384	12.404	0.0196
2	1e+12	NDD Unbiased	12.625	12.592	-0.0331
3	1e+12	NDD Unbiased	12.536	12.552	0.0152
4	1e+12	NDD Unbiased	12.028	12.123	0.0957
5	5e+12	NDD Unbiased	12.538	12.59	0.0525
6	5e+12	NDD Unbiased	12.252	12.268	0.0157
7	5e+12	NDD Unbiased	12.591	12.604	0.0122
8	5e+12	NDD Unbiased	12.503	12.483	-0.0194
9	1e+13	NDD Unbiased	12.236	12.186	-0.0501
10	1e+13	NDD Unbiased	12.489	12.475	-0.014
11	1e+13	NDD Unbiased	12.191	12.191	-0.0001
12	1e+13	NDD Unbiased	12.243	12.152	-0.0905
53	0	Correlation	12.174	12.033	-0.1404
54	0	Correlation	12.508	12.504	-0.0042

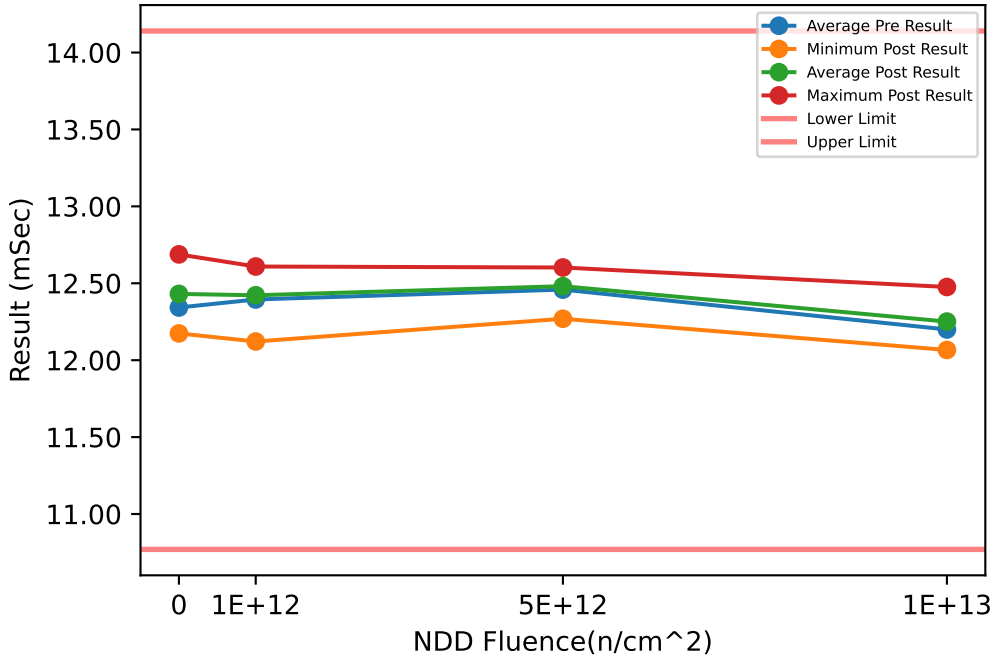
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.174	12.341	12.508	0.23646	12.033	12.269	12.504	0.33276	-0.1404	-0.0723	-0.0042	0.096308
1e+12	12.028	12.393	12.625	0.26318	12.123	12.418	12.592	0.21213	-0.0331	0.02435	0.0957	0.053222
5e+12	12.252	12.471	12.591	0.15058	12.268	12.486	12.604	0.15543	-0.0194	0.01525	0.0525	0.029426
1e+13	12.191	12.29	12.489	0.13468	12.152	12.251	12.475	0.15015	-0.0905	-0.038675	-0.0001	0.040469

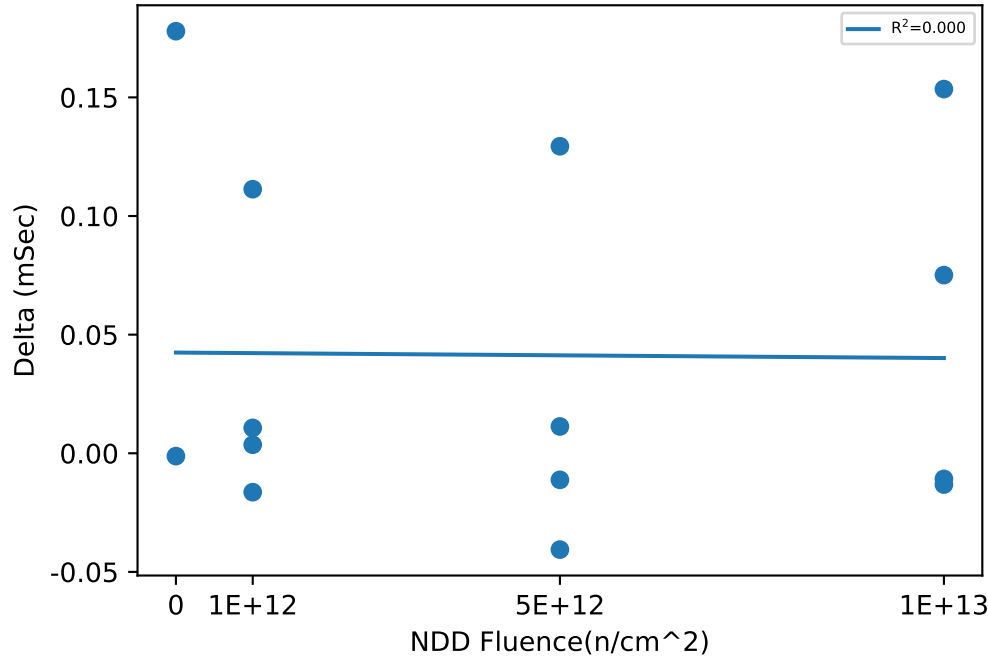
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.4	12.404	0.0036
2	1e+12	NDD Unbiased	12.625	12.609	-0.0164
3	1e+12	NDD Unbiased	12.543	12.553	0.0107
4	1e+12	NDD Unbiased	12.01	12.121	0.1113
5	5e+12	NDD Unbiased	12.573	12.584	0.0113
6	5e+12	NDD Unbiased	12.14	12.269	0.1294
7	5e+12	NDD Unbiased	12.614	12.603	-0.0112
8	5e+12	NDD Unbiased	12.509	12.468	-0.0406
9	1e+13	NDD Unbiased	12.113	12.188	0.0751
10	1e+13	NDD Unbiased	12.489	12.476	-0.0132
11	1e+13	NDD Unbiased	12.077	12.066	-0.0108
12	1e+13	NDD Unbiased	12.12	12.274	0.1535
53	0	Correlation	12.175	12.174	-0.0012
54	0	Correlation	12.51	12.688	0.1779

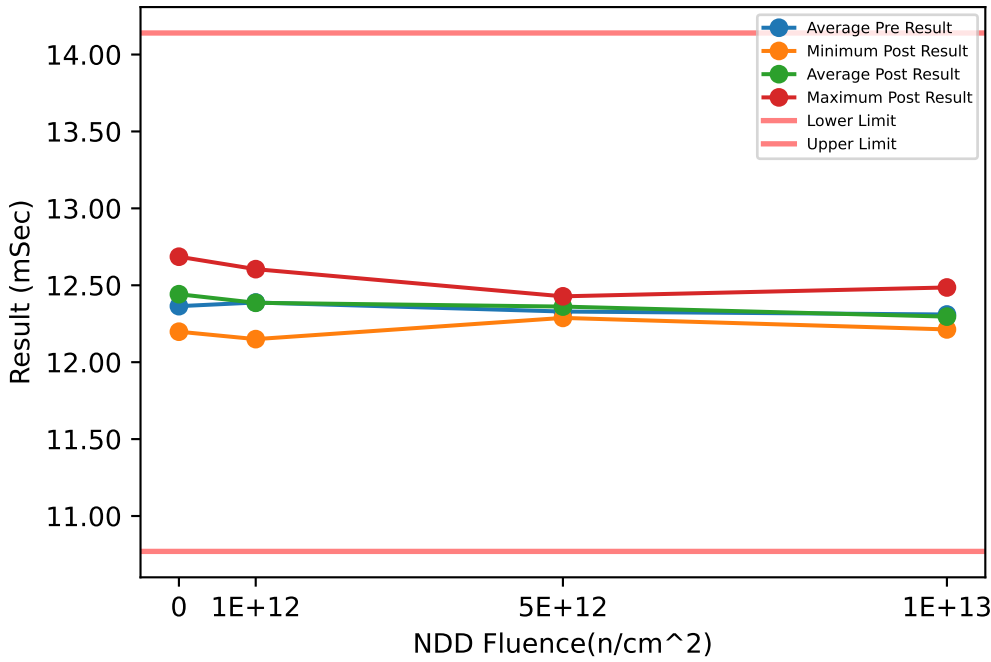
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.175	12.343	12.51	0.23667	12.174	12.431	12.688	0.36331	-0.0012	0.08835	0.1779	0.12664
1e+12	12.01	12.395	12.625	0.27263	12.121	12.422	12.609	0.21821	-0.0164	0.0273	0.1113	0.057163
5e+12	12.14	12.459	12.614	0.21701	12.269	12.481	12.603	0.15323	-0.0406	0.022225	0.1294	0.074543
1e+13	12.077	12.2	12.489	0.1938	12.066	12.251	12.476	0.17239	-0.0132	0.05115	0.1535	0.079641

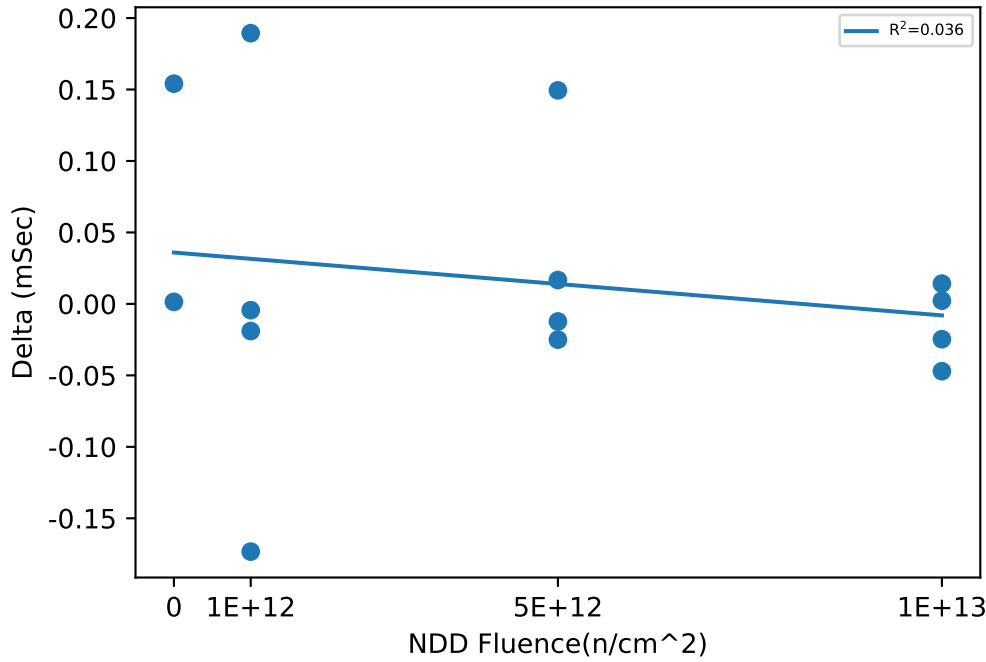
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.408	12.235	-0.1733
2	1e+12	NDD Unbiased	12.624	12.605	-0.019
3	1e+12	NDD Unbiased	12.366	12.555	0.1894
4	1e+12	NDD Unbiased	12.154	12.15	-0.0044
5	5e+12	NDD Unbiased	12.402	12.418	0.0167
6	5e+12	NDD Unbiased	12.139	12.288	0.1494
7	5e+12	NDD Unbiased	12.44	12.428	-0.0123
8	5e+12	NDD Unbiased	12.337	12.312	-0.025
9	1e+13	NDD Unbiased	12.262	12.214	-0.0471
10	1e+13	NDD Unbiased	12.51	12.486	-0.0247
11	1e+13	NDD Unbiased	12.199	12.213	0.0142
12	1e+13	NDD Unbiased	12.269	12.272	0.0023
53	0	Correlation	12.197	12.198	0.0014
54	0	Correlation	12.532	12.686	0.1541

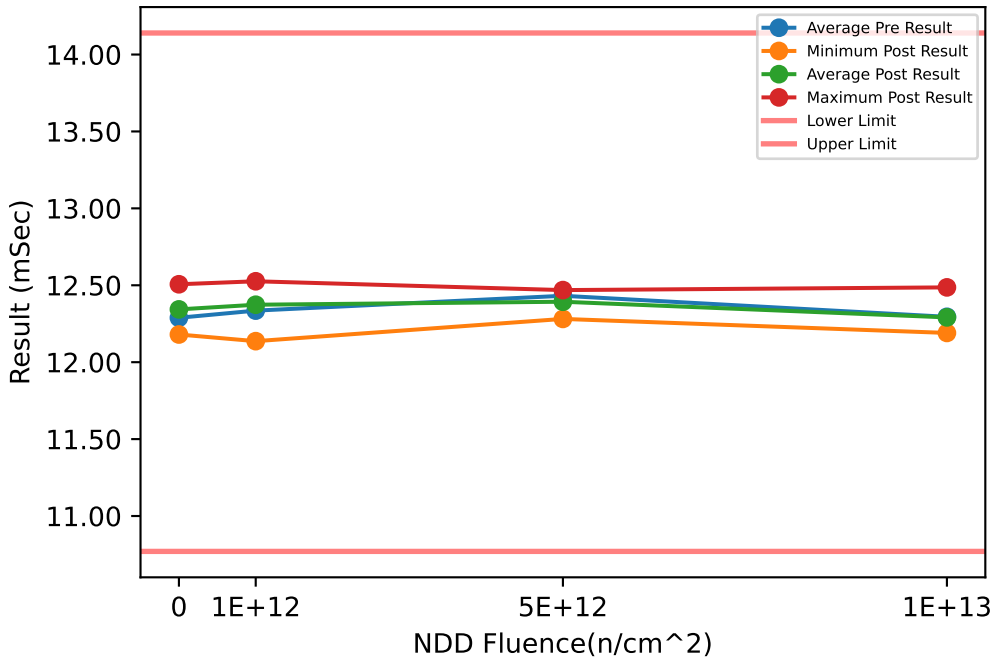
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.197	12.364	12.532	0.23674	12.198	12.442	12.686	0.34471	0.0014	0.07775	0.1541	0.10798
1e+12	12.154	12.388	12.624	0.19243	12.15	12.386	12.605	0.2275	-0.1733	-0.001825	0.1894	0.14863
5e+12	12.139	12.329	12.44	0.1342	12.288	12.361	12.428	0.072016	-0.025	0.0322	0.1494	0.080059
1e+13	12.199	12.31	12.51	0.13726	12.213	12.296	12.486	0.12924	-0.0471	-0.013825	0.0142	0.027513

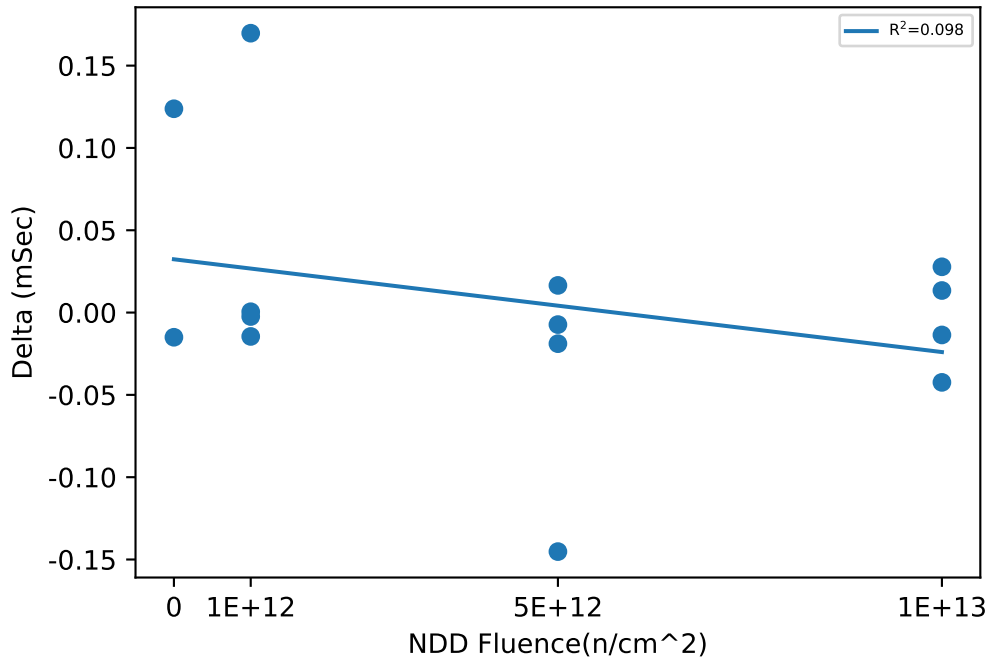
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.411	12.411	0.0005
2	1e+12	NDD Unbiased	12.435	12.42	-0.0145
3	1e+12	NDD Unbiased	12.356	12.526	0.1697
4	1e+12	NDD Unbiased	12.139	12.137	-0.0024
5	5e+12	NDD Unbiased	12.55	12.404	-0.1452
6	5e+12	NDD Unbiased	12.265	12.281	0.0165
7	5e+12	NDD Unbiased	12.425	12.418	-0.0073
8	5e+12	NDD Unbiased	12.488	12.469	-0.0189
9	1e+13	NDD Unbiased	12.233	12.19	-0.0424
10	1e+13	NDD Unbiased	12.5	12.486	-0.0136
11	1e+13	NDD Unbiased	12.191	12.204	0.0134
12	1e+13	NDD Unbiased	12.256	12.284	0.0278
53	0	Correlation	12.056	12.18	0.1238
54	0	Correlation	12.521	12.507	-0.015

NDD vs Post - Pre Exposure Delta

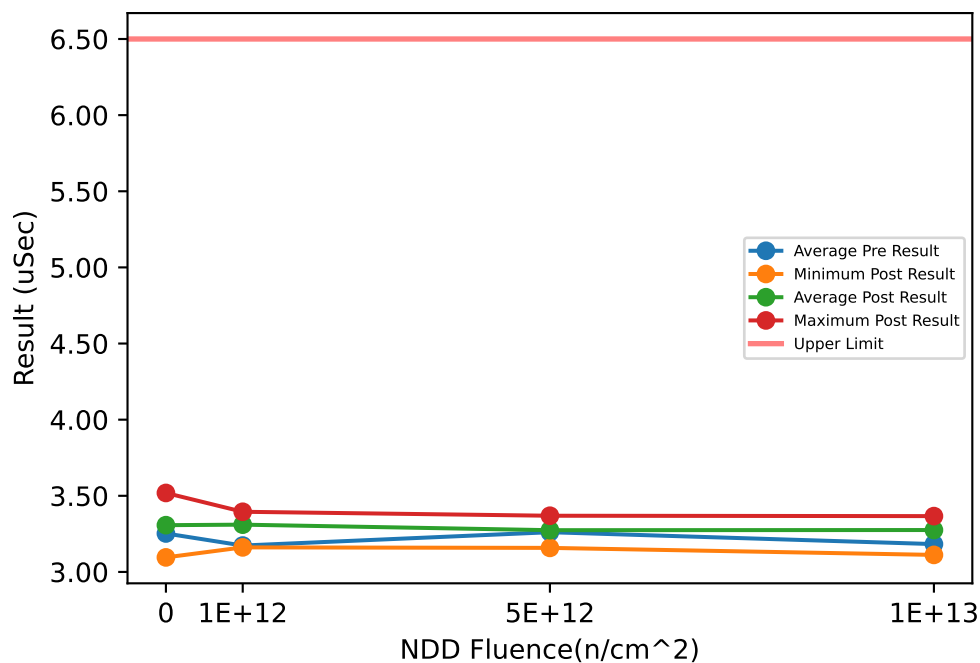


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.056	12.289	12.521	0.32902	12.18	12.343	12.507	0.23087	-0.015	0.0544	0.1238	0.098146
1e+12	12.139	12.335	12.435	0.1348	12.137	12.374	12.526	0.16627	-0.0145	0.038325	0.1697	0.087824
5e+12	12.265	12.432	12.55	0.12234	12.281	12.393	12.469	0.079457	-0.1452	-0.038725	0.0165	0.072497
1e+13	12.191	12.295	12.5	0.13925	12.19	12.291	12.486	0.13642	-0.0424	-0.0037	0.0278	0.030986

Device Test: 17.16 TPD_EN(_DELAY|STEP_UP/EN4/1.6/14/0/0/0/@TPD_EN)

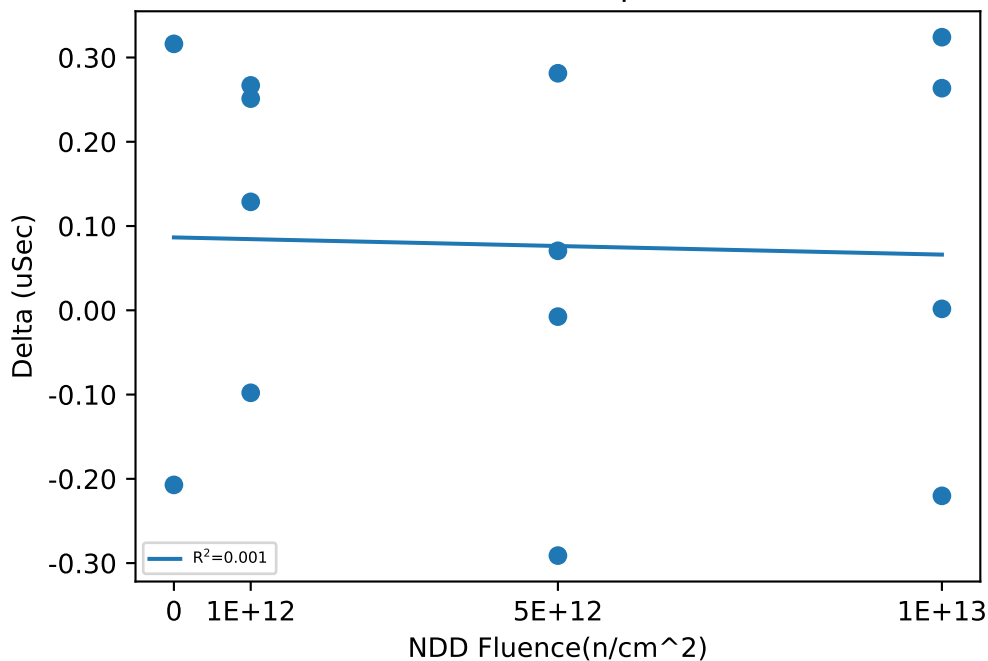
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2592	3.1613	-0.0979
2	1e+12	NDD Unbiased	3.1175	3.3844	0.2669
3	1e+12	NDD Unbiased	3.1439	3.3951	0.2512
4	1e+12	NDD Unbiased	3.1726	3.3013	0.1287
5	5e+12	NDD Unbiased	3.5203	3.2292	-0.2911
6	5e+12	NDD Unbiased	3.0593	3.3406	0.2813
7	5e+12	NDD Unbiased	3.1655	3.158	-0.0075
8	5e+12	NDD Unbiased	3.2985	3.3691	0.0706
9	1e+13	NDD Unbiased	3.2861	3.2878	0.0017
10	1e+13	NDD Unbiased	3.0709	3.3345	0.2636
11	1e+13	NDD Unbiased	3.3321	3.1119	-0.2202
12	1e+13	NDD Unbiased	3.0425	3.3666	0.3241
53	0	Correlation	3.3027	3.0955	-0.2072
54	0	Correlation	3.2025	3.5187	0.3162

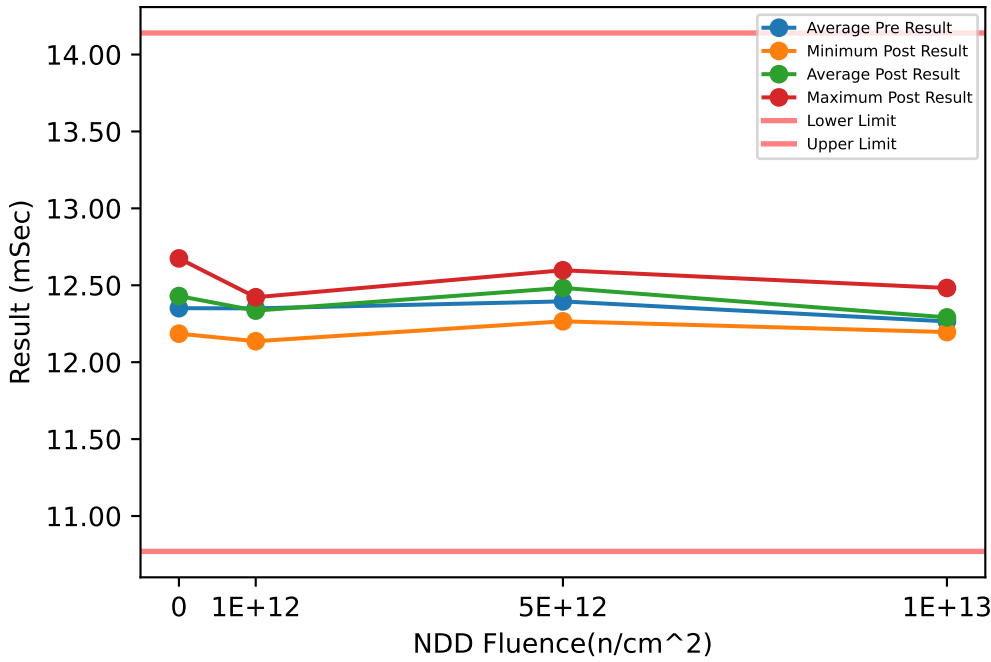
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2025	3.2526	3.3027	0.070852	3.0955	3.3071	3.5187	0.29925	-0.2072	0.0545	0.3162	0.3701
1e+12	3.1175	3.1733	3.2592	0.061529	3.1613	3.3105	3.3951	0.10796	-0.0979	0.13722	0.2669	0.16849
5e+12	3.0593	3.2609	3.5203	0.1987	3.158	3.2742	3.3691	0.098222	-0.2911	0.013325	0.2813	0.23678
1e+13	3.0425	3.1829	3.3321	0.14739	3.1119	3.2752	3.3666	0.11357	-0.2202	0.0923	0.3241	0.25096

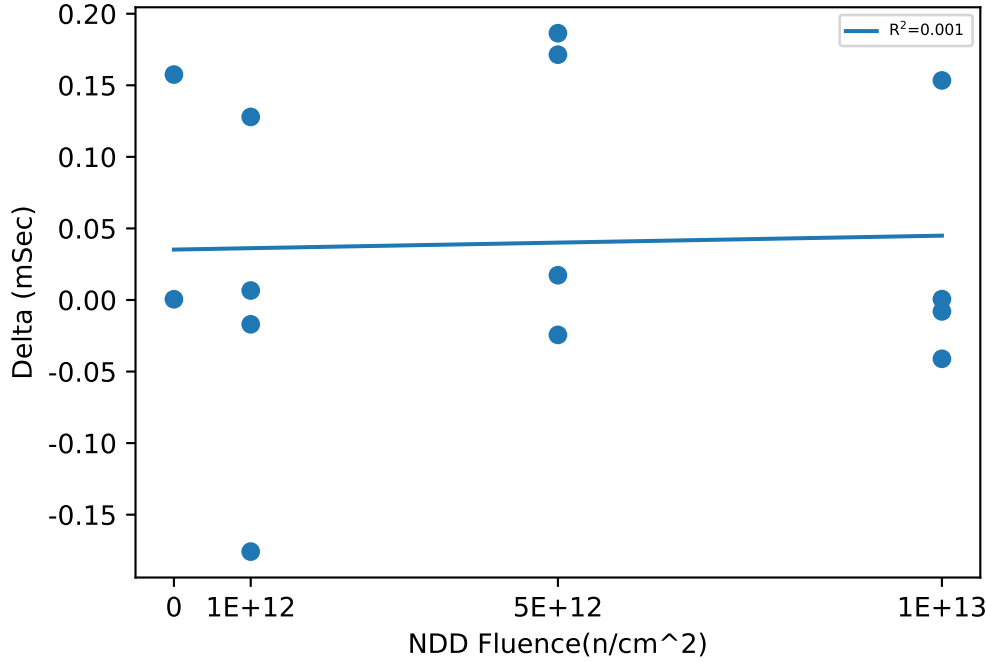
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.409	12.415	0.0066
2	1e+12	NDD Unbiased	12.439	12.422	-0.017
3	1e+12	NDD Unbiased	12.544	12.368	-0.1758
4	1e+12	NDD Unbiased	12.008	12.136	0.1279
5	5e+12	NDD Unbiased	12.387	12.574	0.1864
6	5e+12	NDD Unbiased	12.248	12.266	0.0173
7	5e+12	NDD Unbiased	12.426	12.598	0.1714
8	5e+12	NDD Unbiased	12.519	12.495	-0.0244
9	1e+13	NDD Unbiased	12.237	12.196	-0.0411
10	1e+13	NDD Unbiased	12.49	12.482	-0.008
11	1e+13	NDD Unbiased	12.201	12.201	0.0006
12	1e+13	NDD Unbiased	12.132	12.285	0.1534
53	0	Correlation	12.185	12.185	0.0005
54	0	Correlation	12.517	12.675	0.1575

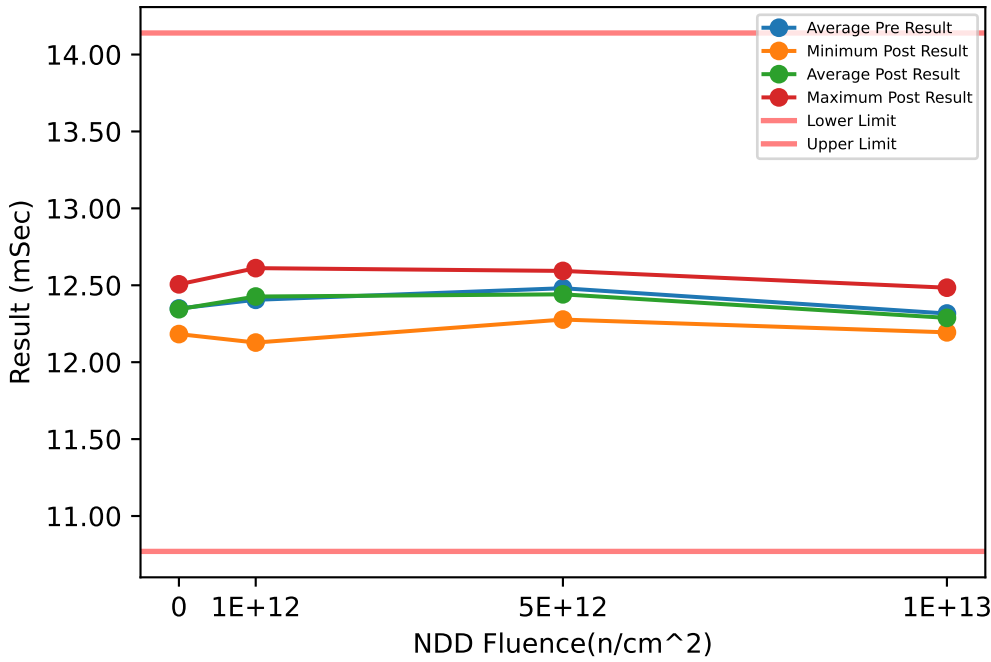
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.185	12.351	12.517	0.2349	12.185	12.43	12.675	0.34592	0.0005	0.079	0.1575	0.11102
1e+12	12.008	12.35	12.544	0.23488	12.136	12.335	12.422	0.13485	-0.1758	-0.014575	0.1279	0.12483
5e+12	12.248	12.395	12.519	0.11247	12.266	12.483	12.598	0.15133	-0.0244	0.087675	0.1864	0.10688
1e+13	12.132	12.265	12.49	0.15641	12.196	12.291	12.482	0.13384	-0.0411	0.026225	0.1534	0.086668

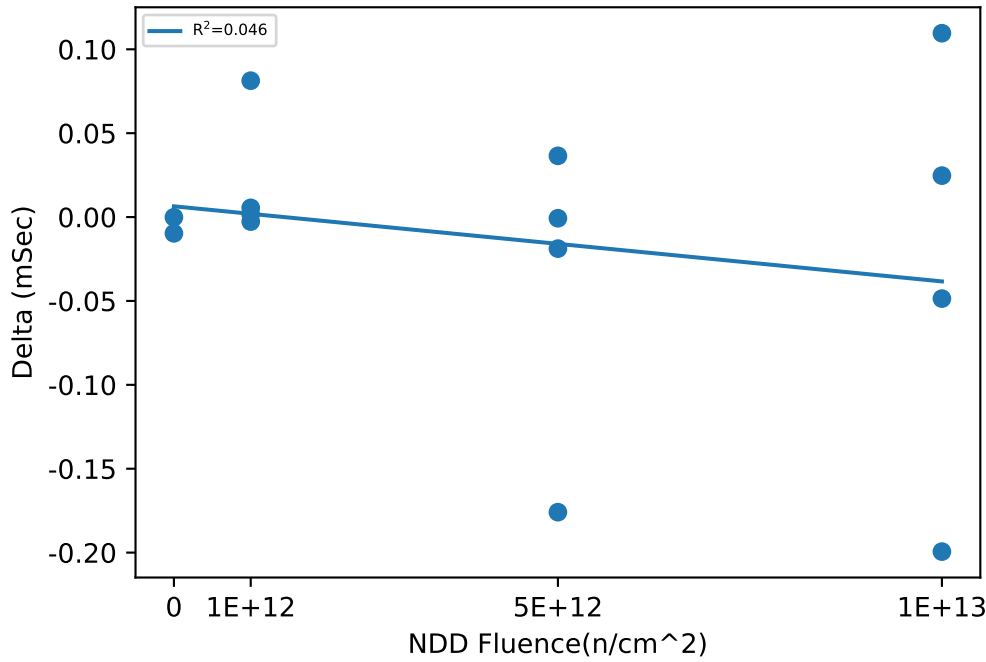
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.411	12.412	0.0016
2	1e+12	NDD Unbiased	12.53	12.611	0.0813
3	1e+12	NDD Unbiased	12.551	12.556	0.0055
4	1e+12	NDD Unbiased	12.13	12.128	-0.0027
5	5e+12	NDD Unbiased	12.578	12.402	-0.1759
6	5e+12	NDD Unbiased	12.241	12.277	0.0365
7	5e+12	NDD Unbiased	12.594	12.593	-0.0007
8	5e+12	NDD Unbiased	12.511	12.492	-0.0188
9	1e+13	NDD Unbiased	12.245	12.196	-0.0486
10	1e+13	NDD Unbiased	12.684	12.484	-0.1994
11	1e+13	NDD Unbiased	12.084	12.194	0.1096
12	1e+13	NDD Unbiased	12.253	12.277	0.0247
53	0	Correlation	12.183	12.183	-0.0001
54	0	Correlation	12.516	12.506	-0.0097

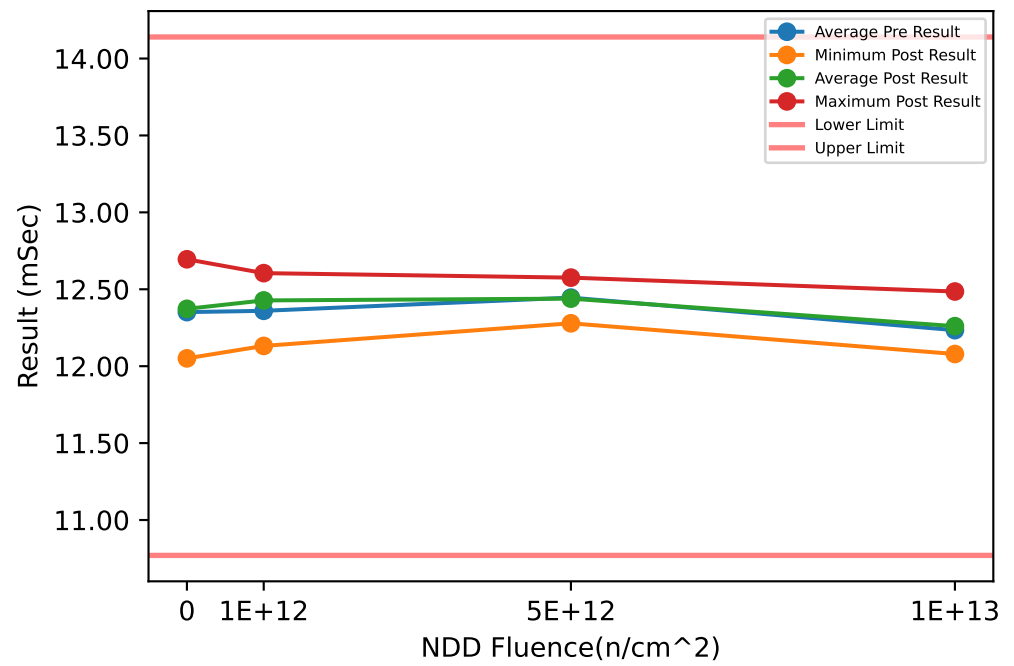
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.183	12.349	12.516	0.23547	12.183	12.344	12.506	0.22868	-0.0097	-0.0049	-0.0001	0.0067882
1e+12	12.13	12.405	12.551	0.19351	12.128	12.427	12.611	0.21643	-0.0027	0.021425	0.0813	0.040057
5e+12	12.241	12.481	12.594	0.16412	12.277	12.441	12.593	0.13448	-0.1759	-0.039725	0.0365	0.093657
1e+13	12.084	12.316	12.684	0.25682	12.194	12.288	12.484	0.13647	-0.1994	-0.028425	0.1096	0.13104

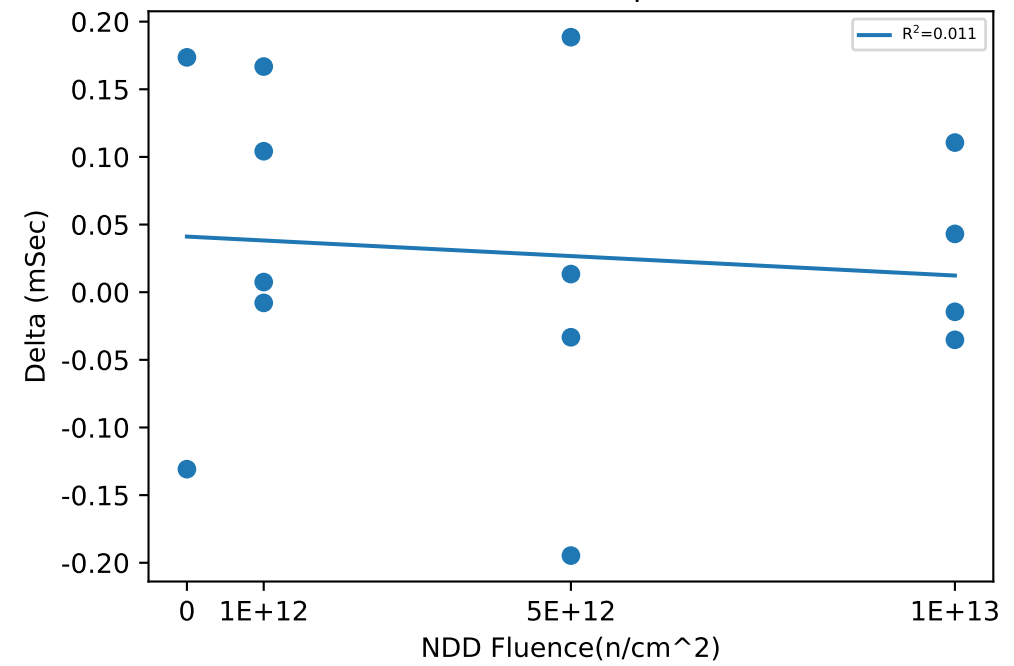
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.407	12.415	0.0075
2	1e+12	NDD Unbiased	12.438	12.605	0.1668
3	1e+12	NDD Unbiased	12.455	12.559	0.1042
4	1e+12	NDD Unbiased	12.14	12.132	-0.0079
5	5e+12	NDD Unbiased	12.387	12.576	0.1885
6	5e+12	NDD Unbiased	12.265	12.279	0.0134
7	5e+12	NDD Unbiased	12.612	12.417	-0.1947
8	5e+12	NDD Unbiased	12.519	12.485	-0.0333
9	1e+13	NDD Unbiased	12.114	12.079	-0.0352
10	1e+13	NDD Unbiased	12.5	12.486	-0.0145
11	1e+13	NDD Unbiased	12.081	12.192	0.1106
12	1e+13	NDD Unbiased	12.241	12.284	0.0431
53	0	Correlation	12.182	12.051	-0.1308
54	0	Correlation	12.521	12.695	0.1736

NDD vs Post - Pre Exposure Delta

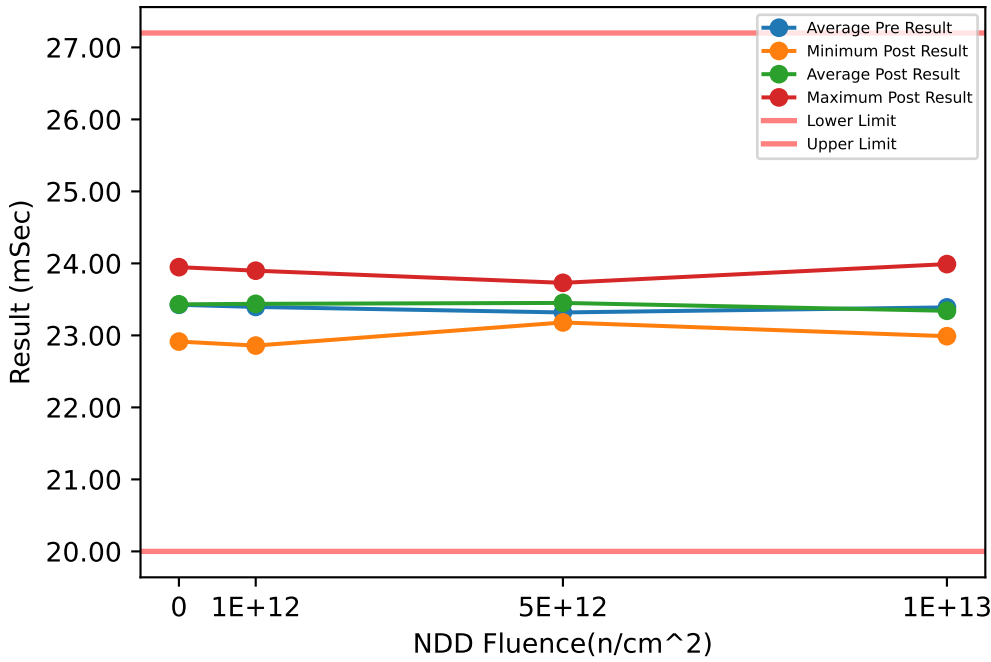


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.182	12.352	12.521	0.2402	12.051	12.373	12.695	0.45545	-0.1308	0.0214	0.1736	0.21524
1e+12	12.14	12.36	12.455	0.14817	12.132	12.428	12.605	0.21325	-0.0079	0.06765	0.1668	0.082649
5e+12	12.265	12.446	12.612	0.15144	12.279	12.439	12.576	0.12514	-0.1947	-0.006525	0.1885	0.15765
1e+13	12.081	12.234	12.5	0.19011	12.079	12.26	12.486	0.17201	-0.0352	0.026	0.1106	0.06541

Device Test: 17.163 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN1/7/14/1.18M/0/0/@DLY_TMR_1MOHM)

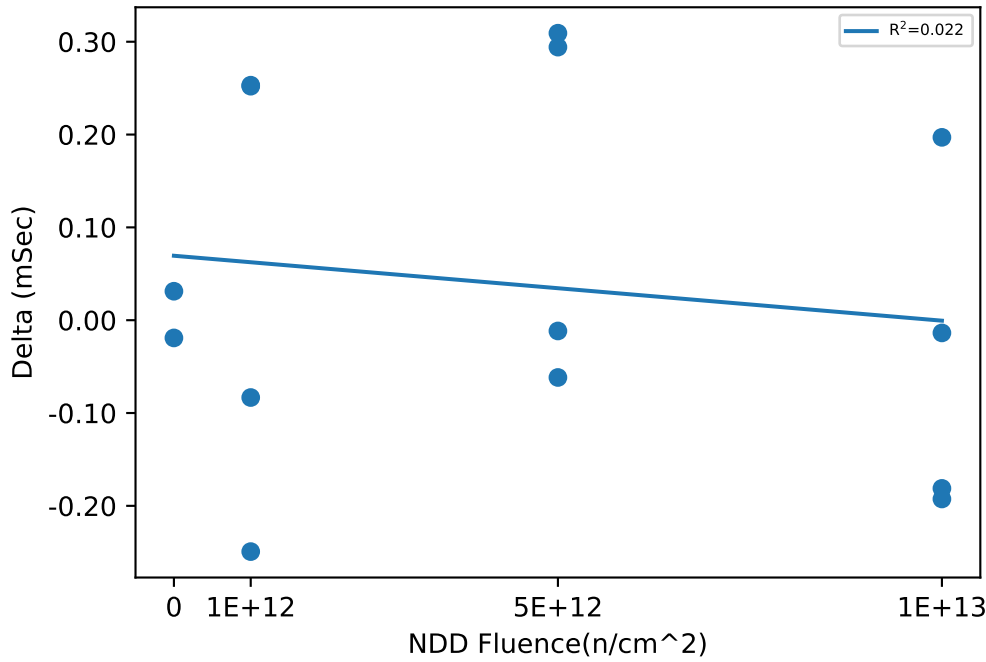
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.465	23.216	-0.2493
2	1e+12	NDD Unbiased	23.647	23.899	0.2521
3	1e+12	NDD Unbiased	23.527	23.78	0.2532
4	1e+12	NDD Unbiased	22.942	22.858	-0.0833
5	5e+12	NDD Unbiased	23.421	23.73	0.3092
6	5e+12	NDD Unbiased	22.886	23.18	0.2942
7	5e+12	NDD Unbiased	23.587	23.525	-0.0617
8	5e+12	NDD Unbiased	23.381	23.37	-0.0116
9	1e+13	NDD Unbiased	23.377	23.196	-0.1812
10	1e+13	NDD Unbiased	23.793	23.99	0.197
11	1e+13	NDD Unbiased	23.205	23.191	-0.0137
12	1e+13	NDD Unbiased	23.181	22.989	-0.1926
53	0	Correlation	22.933	22.914	-0.0191
54	0	Correlation	23.917	23.948	0.0312

NDD vs Post - Pre Exposure Delta

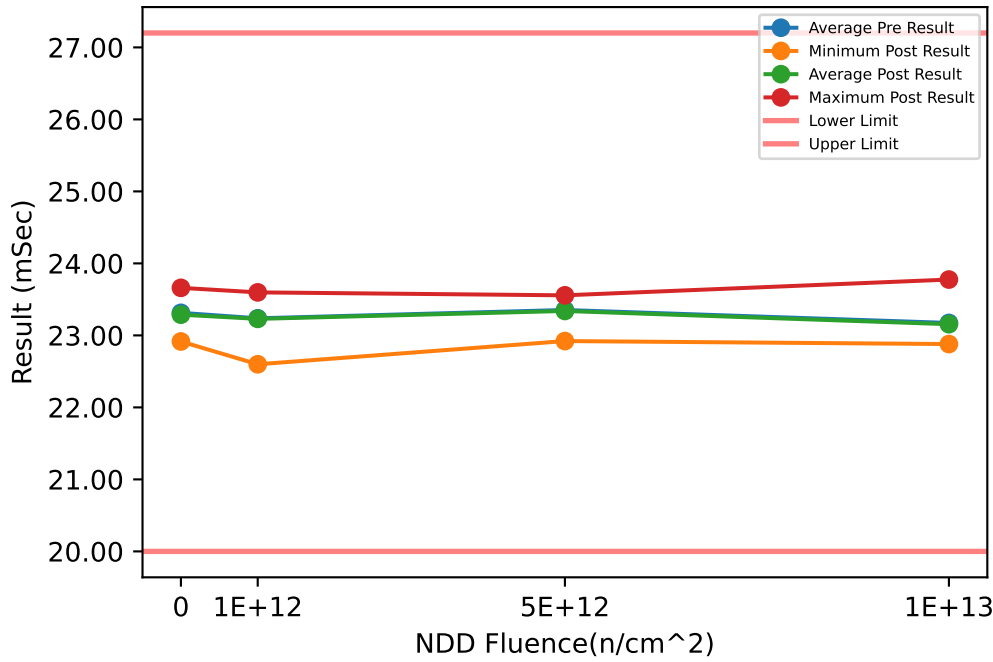


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.933	23.425	23.917	0.69537	22.914	23.431	23.948	0.73094	-0.0191	0.00605	0.0312	0.035567
1e+12	22.942	23.395	23.647	0.31149	22.858	23.438	23.899	0.48799	-0.2493	0.043175	0.2532	0.2512
5e+12	22.886	23.319	23.587	0.30208	23.18	23.451	23.73	0.23342	-0.0617	0.13253	0.3092	0.19651
1e+13	23.181	23.389	23.793	0.28305	22.989	23.341	23.99	0.44303	-0.1926	-0.047625	0.197	0.18244

Device Test: 17.164 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN2/7/14/1.18M/0/0/@DLY_TMR_1MOHM)

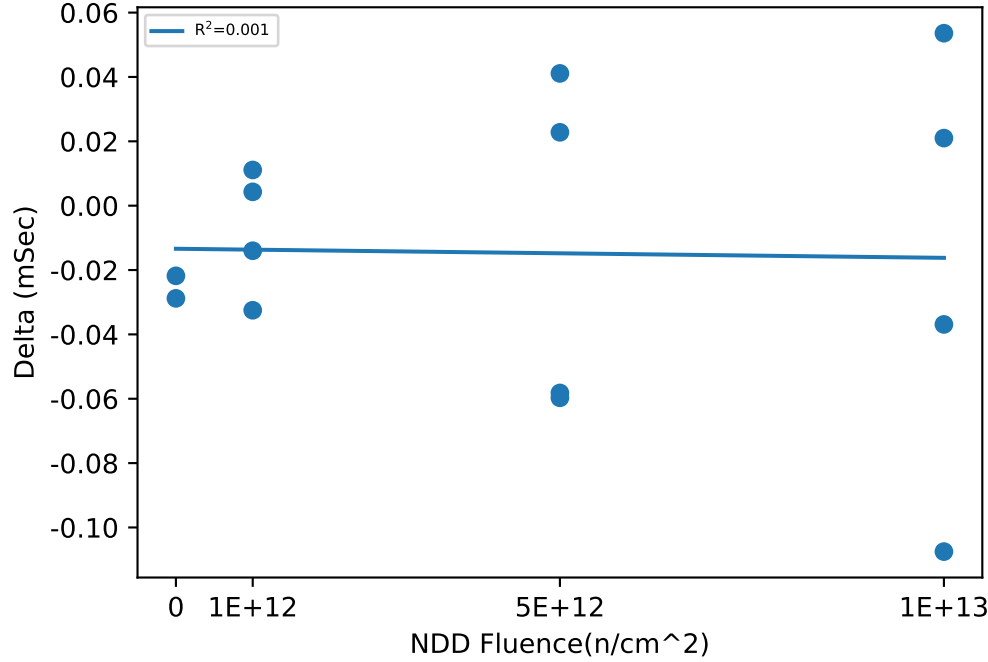
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.187	23.192	0.0043
2	1e+12	NDD Unbiased	23.63	23.598	-0.0325
3	1e+12	NDD Unbiased	23.519	23.53	0.0111
4	1e+12	NDD Unbiased	22.613	22.599	-0.014
5	5e+12	NDD Unbiased	23.457	23.498	0.0411
6	5e+12	NDD Unbiased	22.898	22.921	0.0228
7	5e+12	NDD Unbiased	23.615	23.557	-0.0582
8	5e+12	NDD Unbiased	23.442	23.382	-0.0597
9	1e+13	NDD Unbiased	23.065	22.958	-0.1075
10	1e+13	NDD Unbiased	23.812	23.776	-0.0369
11	1e+13	NDD Unbiased	22.859	22.88	0.021
12	1e+13	NDD Unbiased	22.956	23.009	0.0536
53	0	Correlation	22.937	22.916	-0.0218
54	0	Correlation	23.689	23.66	-0.0288

NDD vs Post - Pre Exposure Delta

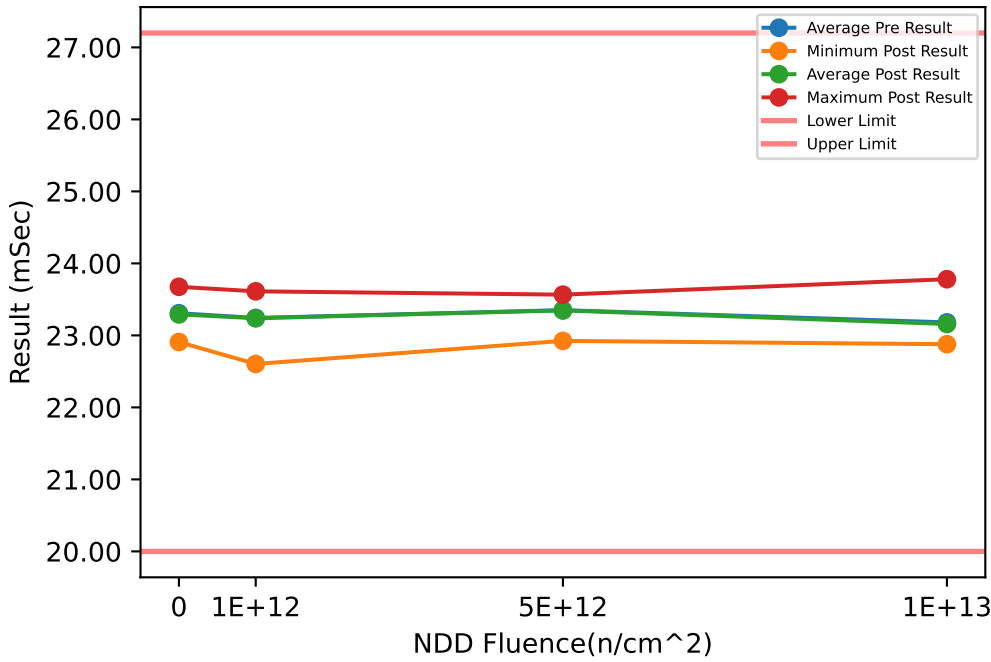


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.937	23.313	23.689	0.5316	22.916	23.288	23.66	0.52665	-0.0288	-0.0253	-0.0218	0.0049497
1e+12	22.613	23.237	23.63	0.4568	22.599	23.23	23.598	0.45641	-0.0325	-0.007775	0.0111	0.019597
5e+12	22.898	23.353	23.615	0.31288	22.921	23.339	23.557	0.288	-0.0597	-0.0135	0.0411	0.053014
1e+13	22.859	23.173	23.812	0.43454	22.88	23.156	23.776	0.41674	-0.1075	-0.01745	0.0536	0.070743

Device Test: 17.165 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN3/7/14/1.18M/0/0/@DLY_TMR_1MOHM)

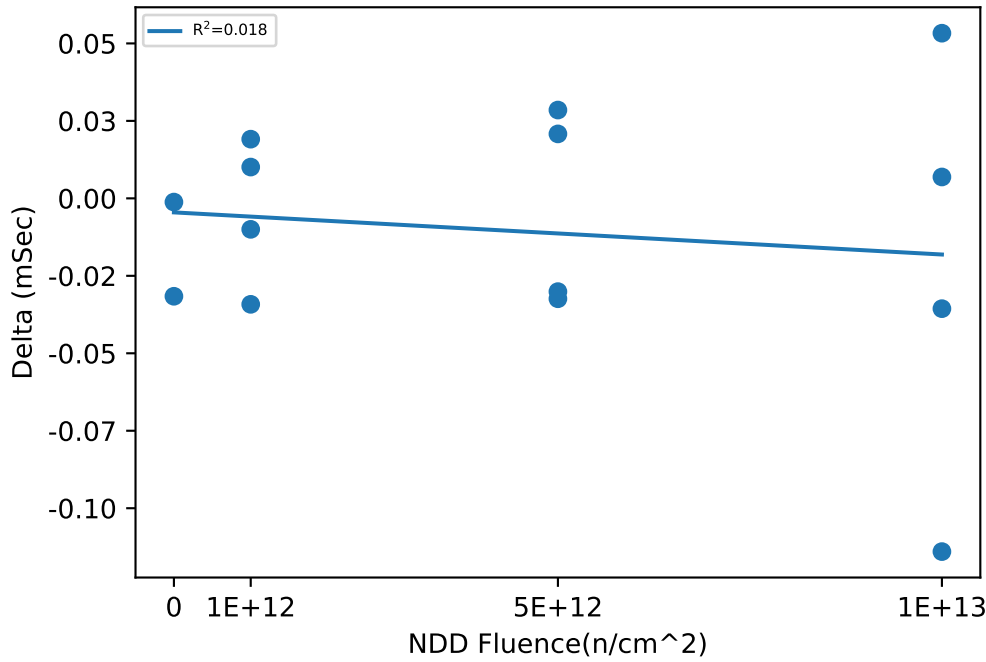
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.188	23.198	0.0101
2	1e+12	NDD Unbiased	23.646	23.612	-0.0342
3	1e+12	NDD Unbiased	23.523	23.542	0.0191
4	1e+12	NDD Unbiased	22.613	22.603	-0.01
5	5e+12	NDD Unbiased	23.48	23.509	0.0285
6	5e+12	NDD Unbiased	22.903	22.924	0.0208
7	5e+12	NDD Unbiased	23.599	23.566	-0.0324
8	5e+12	NDD Unbiased	23.421	23.391	-0.0301
9	1e+13	NDD Unbiased	23.076	22.962	-0.114
10	1e+13	NDD Unbiased	23.816	23.78	-0.0356
11	1e+13	NDD Unbiased	22.87	22.877	0.0069
12	1e+13	NDD Unbiased	22.96	23.013	0.0533
53	0	Correlation	22.94	22.908	-0.0316
54	0	Correlation	23.676	23.675	-0.0012

NDD vs Post - Pre Exposure Delta

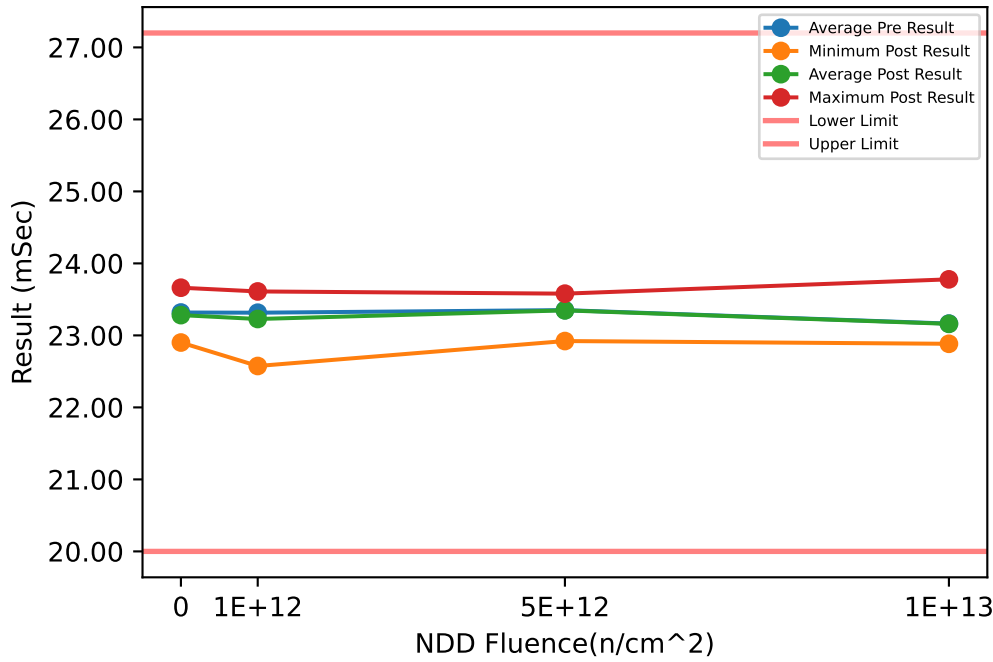


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.94	23.308	23.676	0.52078	22.908	23.291	23.675	0.54228	-0.0316	-0.0164	-0.0012	0.021496
1e+12	22.613	23.242	23.646	0.46212	22.603	23.239	23.612	0.46076	-0.0342	-0.00375	0.0191	0.023666
5e+12	22.903	23.351	23.599	0.30735	22.924	23.347	23.566	0.29156	-0.0324	-0.0033	0.0285	0.03244
1e+13	22.87	23.181	23.816	0.43182	22.877	23.158	23.78	0.41846	-0.114	-0.02235	0.0533	0.071072

Device Test: 17.166 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN4/7/14/1.18M/0/0/@DLY_TMR_1MOHM)

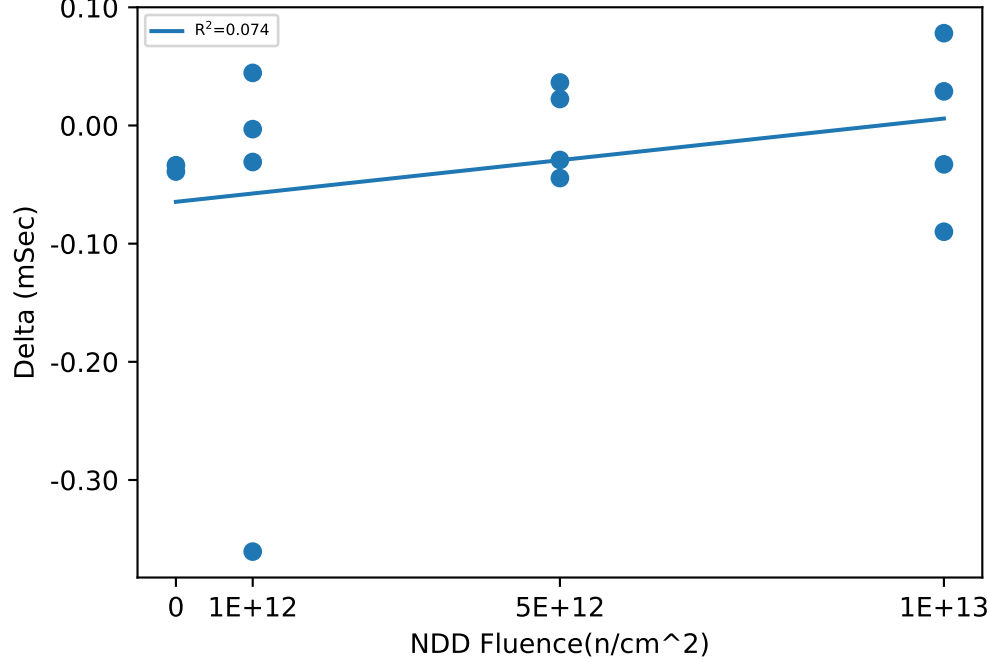
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.189	23.185	-0.0031
2	1e+12	NDD Unbiased	23.641	23.61	-0.0309
3	1e+12	NDD Unbiased	23.496	23.54	0.0445
4	1e+12	NDD Unbiased	22.936	22.575	-0.3606
5	5e+12	NDD Unbiased	23.47	23.507	0.0364
6	5e+12	NDD Unbiased	22.899	22.922	0.0224
7	5e+12	NDD Unbiased	23.609	23.58	-0.0292
8	5e+12	NDD Unbiased	23.427	23.382	-0.0445
9	1e+13	NDD Unbiased	23.06	22.971	-0.0899
10	1e+13	NDD Unbiased	23.811	23.779	-0.0329
11	1e+13	NDD Unbiased	22.855	22.883	0.0289
12	1e+13	NDD Unbiased	22.93	23.009	0.0781
53	0	Correlation	22.94	22.901	-0.039
54	0	Correlation	23.696	23.662	-0.0336

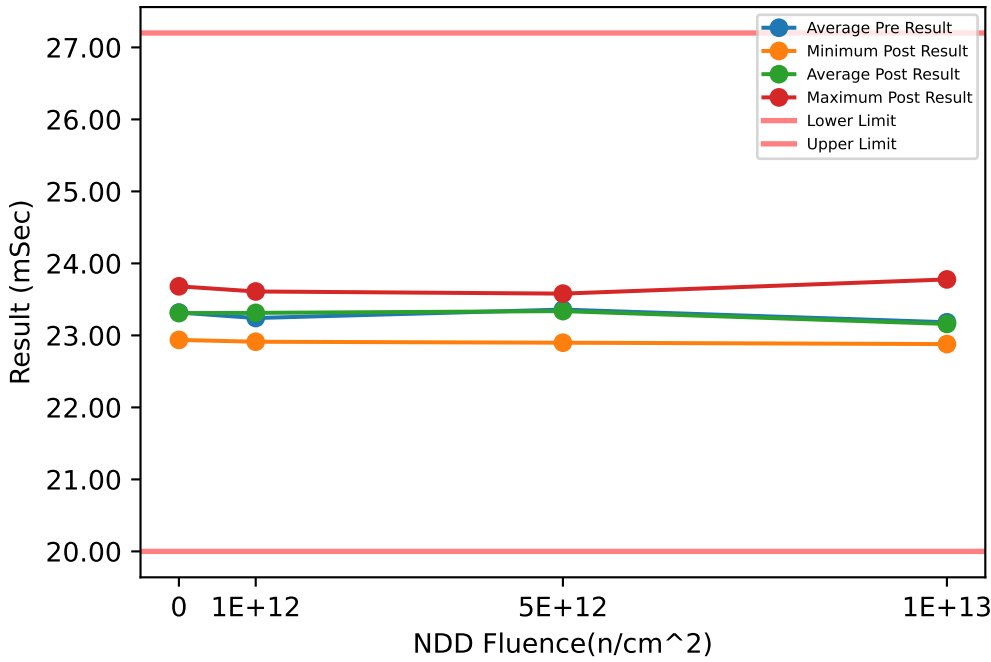
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.94	23.318	23.696	0.5345	22.901	23.282	23.662	0.53832	-0.039	-0.0363	-0.0336	0.0038184
1e+12	22.936	23.315	23.641	0.31571	22.575	23.228	23.61	0.47322	-0.3606	-0.087525	0.0445	0.18469
5e+12	22.899	23.351	23.609	0.31131	22.922	23.348	23.58	0.29553	-0.0445	-0.003725	0.0364	0.039175
1e+13	22.855	23.164	23.811	0.43976	22.883	23.16	23.779	0.41548	-0.0899	-0.00395	0.0781	0.073114

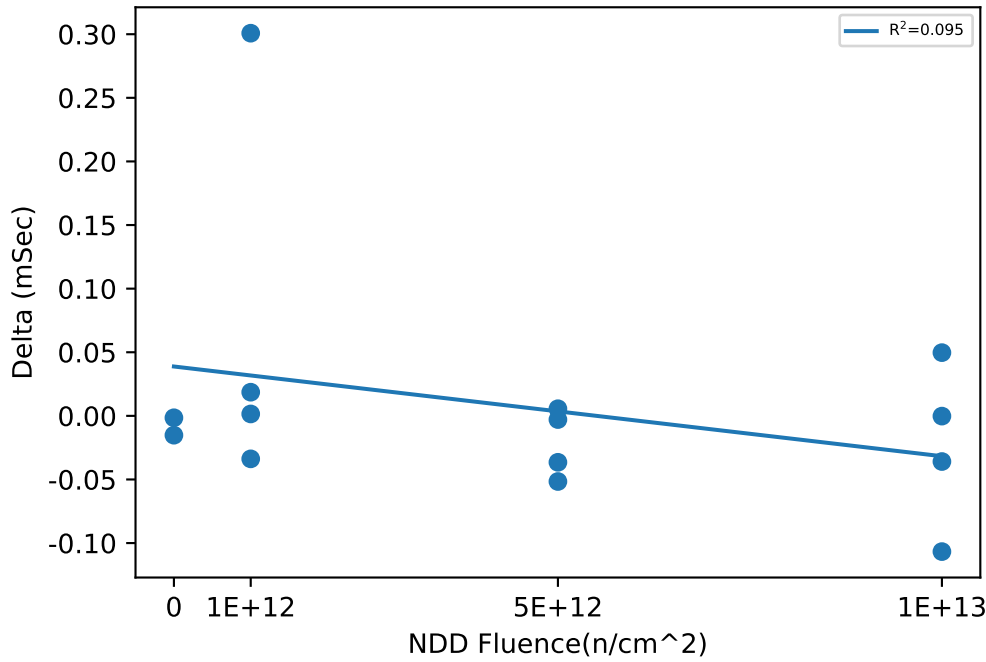
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.191	23.192	0.0015
2	1e+12	NDD Unbiased	23.644	23.61	-0.0338
3	1e+12	NDD Unbiased	23.519	23.538	0.0186
4	1e+12	NDD Unbiased	22.611	22.912	0.3008
5	5e+12	NDD Unbiased	23.474	23.48	0.0056
6	5e+12	NDD Unbiased	22.901	22.899	-0.0029
7	5e+12	NDD Unbiased	23.617	23.58	-0.0365
8	5e+12	NDD Unbiased	23.442	23.391	-0.0516
9	1e+13	NDD Unbiased	23.076	22.97	-0.1067
10	1e+13	NDD Unbiased	23.813	23.777	-0.0359
11	1e+13	NDD Unbiased	22.88	22.879	-0.0002
12	1e+13	NDD Unbiased	22.96	23.01	0.0497
53	0	Correlation	22.939	22.937	-0.0015
54	0	Correlation	23.697	23.682	-0.0152

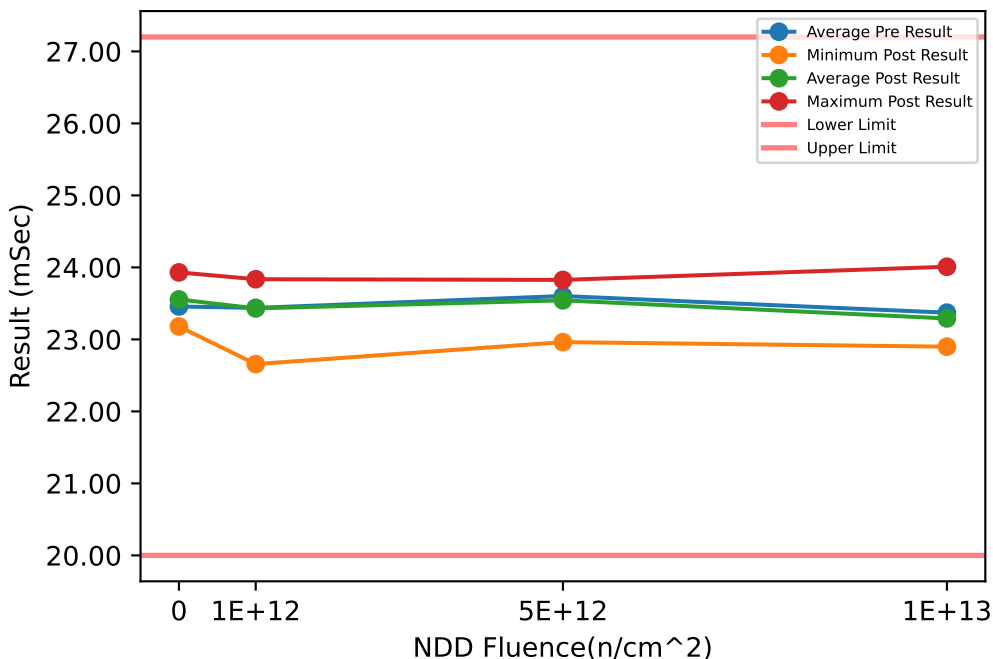
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.939	23.318	23.697	0.53599	22.937	23.309	23.682	0.5263	-0.0152	-0.00835	-0.0015	0.0096874
1e+12	22.611	23.241	23.644	0.46149	22.912	23.313	23.61	0.32364	-0.0338	0.071775	0.3008	0.15423
5e+12	22.901	23.359	23.617	0.31405	22.899	23.337	23.58	0.30252	-0.0516	-0.02135	0.0056	0.02715
1e+13	22.88	23.182	23.813	0.42833	22.879	23.159	23.777	0.41581	-0.1067	-0.023275	0.0497	0.06577

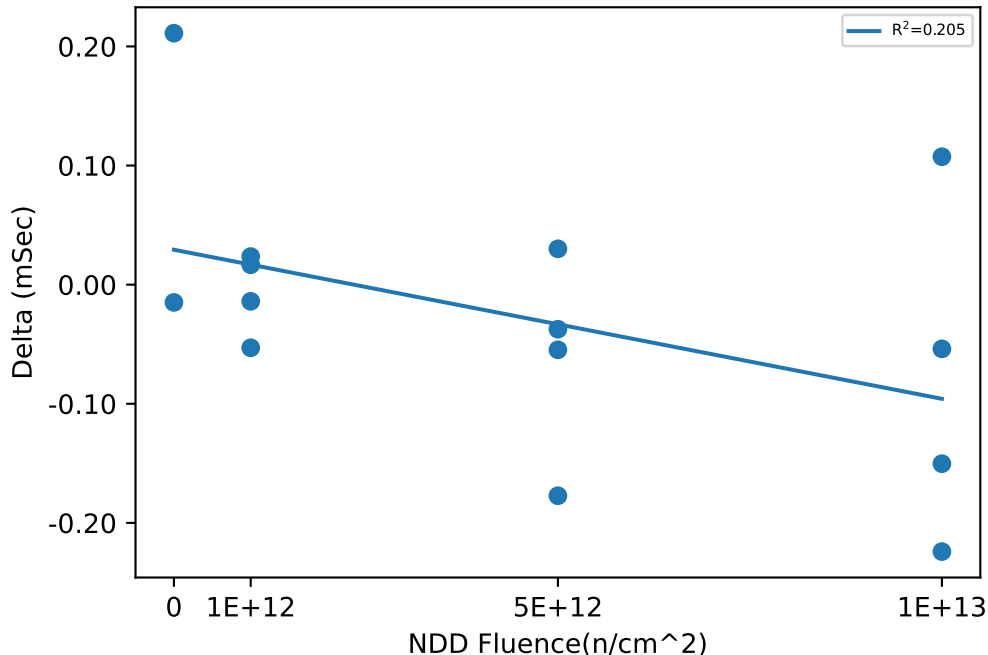
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.425	23.442	0.0167
2	1e+12	NDD Unbiased	23.889	23.836	-0.053
3	1e+12	NDD Unbiased	23.765	23.789	0.0236
4	1e+12	NDD Unbiased	22.671	22.657	-0.014
5	5e+12	NDD Unbiased	23.723	23.753	0.0301
6	5e+12	NDD Unbiased	23.139	22.962	-0.1772
7	5e+12	NDD Unbiased	23.864	23.826	-0.0374
8	5e+12	NDD Unbiased	23.684	23.629	-0.0547
9	1e+13	NDD Unbiased	23.102	23.21	0.1074
10	1e+13	NDD Unbiased	24.063	24.009	-0.0539
11	1e+13	NDD Unbiased	23.123	22.899	-0.2241
12	1e+13	NDD Unbiased	23.196	23.046	-0.1503
53	0	Correlation	22.968	23.18	0.2111
54	0	Correlation	23.946	23.931	-0.0149

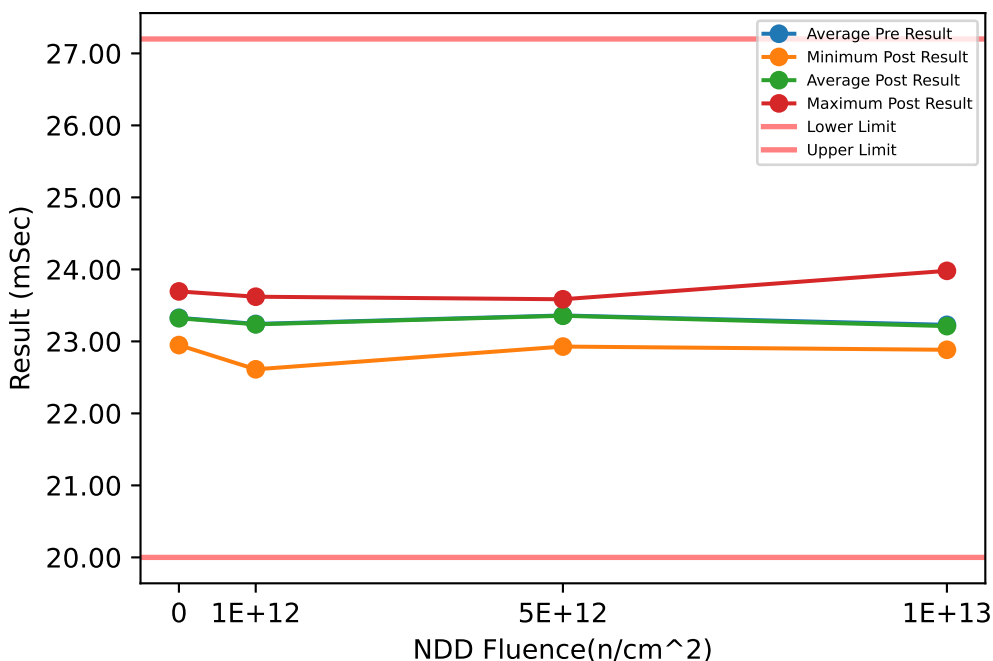
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.968	23.457	23.946	0.69091	23.18	23.555	23.931	0.53111	-0.0149	0.0981	0.2111	0.15981
1e+12	22.671	23.438	23.889	0.5472	22.657	23.431	23.836	0.54486	-0.053	-0.006675	0.0236	0.034941
5e+12	23.139	23.602	23.864	0.31835	22.962	23.543	23.826	0.39556	-0.1772	-0.0598	0.0301	0.086395
1e+13	23.102	23.371	24.063	0.46283	22.899	23.291	24.009	0.49516	-0.2241	-0.080225	0.1074	0.14319

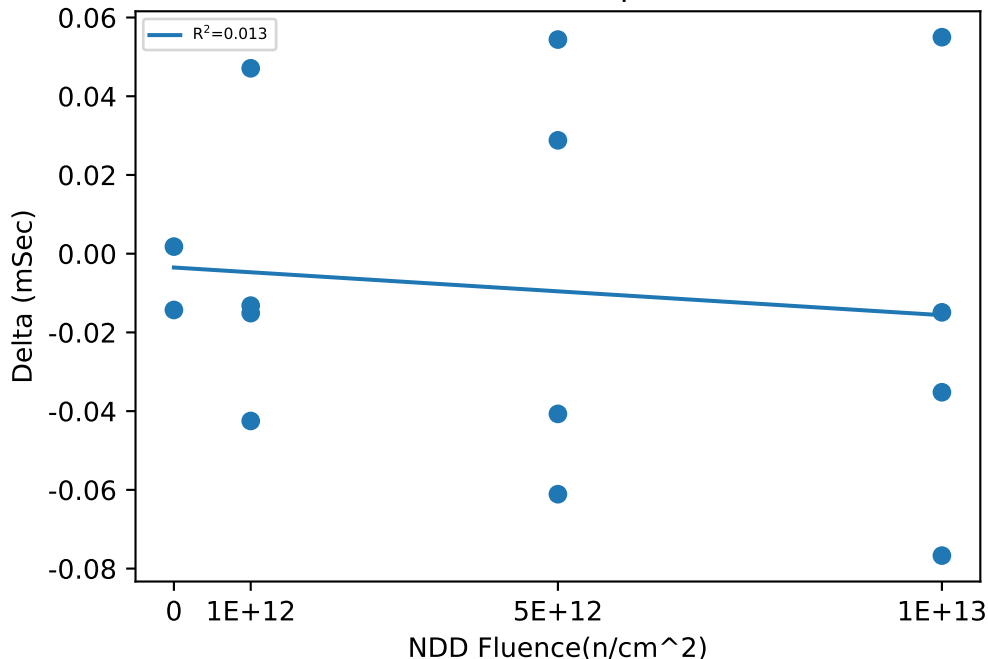
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.202	23.159	-0.0425
2	1e+12	NDD Unbiased	23.636	23.621	-0.0151
3	1e+12	NDD Unbiased	23.508	23.555	0.0471
4	1e+12	NDD Unbiased	22.625	22.612	-0.0132
5	5e+12	NDD Unbiased	23.489	23.518	0.0288
6	5e+12	NDD Unbiased	22.874	22.928	0.0544
7	5e+12	NDD Unbiased	23.626	23.585	-0.0407
8	5e+12	NDD Unbiased	23.453	23.392	-0.0611
9	1e+13	NDD Unbiased	23.038	22.961	-0.0767
10	1e+13	NDD Unbiased	24.015	23.98	-0.0352
11	1e+13	NDD Unbiased	22.898	22.884	-0.0149
12	1e+13	NDD Unbiased	22.968	23.023	0.055
53	0	Correlation	22.947	22.949	0.0018
54	0	Correlation	23.709	23.694	-0.0143

NDD vs Post - Pre Exposure Delta

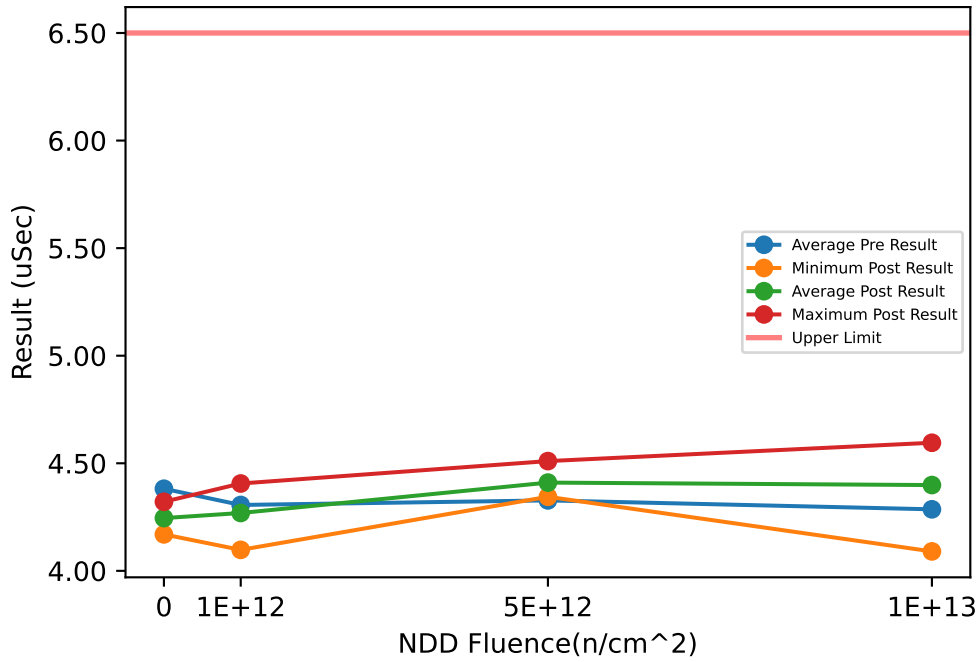


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.947	23.328	23.709	0.53832	22.949	23.322	23.694	0.52694	-0.0143	-0.00625	0.0018	0.011384
1e+12	22.625	23.243	23.636	0.44993	22.612	23.237	23.621	0.46349	-0.0425	-0.005925	0.0471	0.0378
5e+12	22.874	23.361	23.626	0.3329	22.928	23.356	23.585	0.29612	-0.0611	-0.00465	0.0544	0.055052
1e+13	22.898	23.23	24.015	0.52653	22.884	23.212	23.98	0.51511	-0.0767	-0.01795	0.055	0.055016

Device Test: 17.17 TPD_SEQ_DONE(_DELAY|STEP_UP/SEQ_DONE/1.6/14/0/0/0/@TPD_SEQ_DONE)

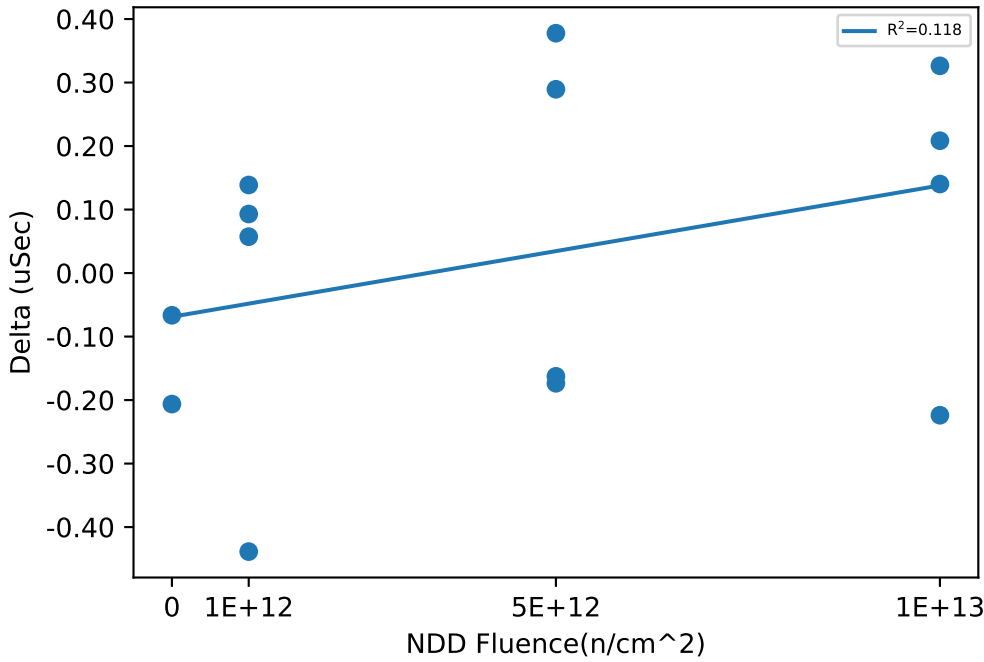
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.313	4.406	0.093
2	1e+12	NDD Unbiased	4.5361	4.0975	-0.4386
3	1e+12	NDD Unbiased	4.2465	4.3038	0.0573
4	1e+12	NDD Unbiased	4.1294	4.2681	0.1387
5	5e+12	NDD Unbiased	4.5112	4.3486	-0.1626
6	5e+12	NDD Unbiased	4.2207	4.5101	0.2894
7	5e+12	NDD Unbiased	4.5179	4.3443	-0.1736
8	5e+12	NDD Unbiased	4.06	4.4377	0.3777
9	1e+13	NDD Unbiased	4.2691	4.5954	0.3263
10	1e+13	NDD Unbiased	4.2441	4.4525	0.2084
11	1e+13	NDD Unbiased	4.3143	4.0904	-0.2239
12	1e+13	NDD Unbiased	4.3165	4.4567	0.1402
53	0	Correlation	4.236	4.1695	-0.0665
54	0	Correlation	4.5273	4.321	-0.2063

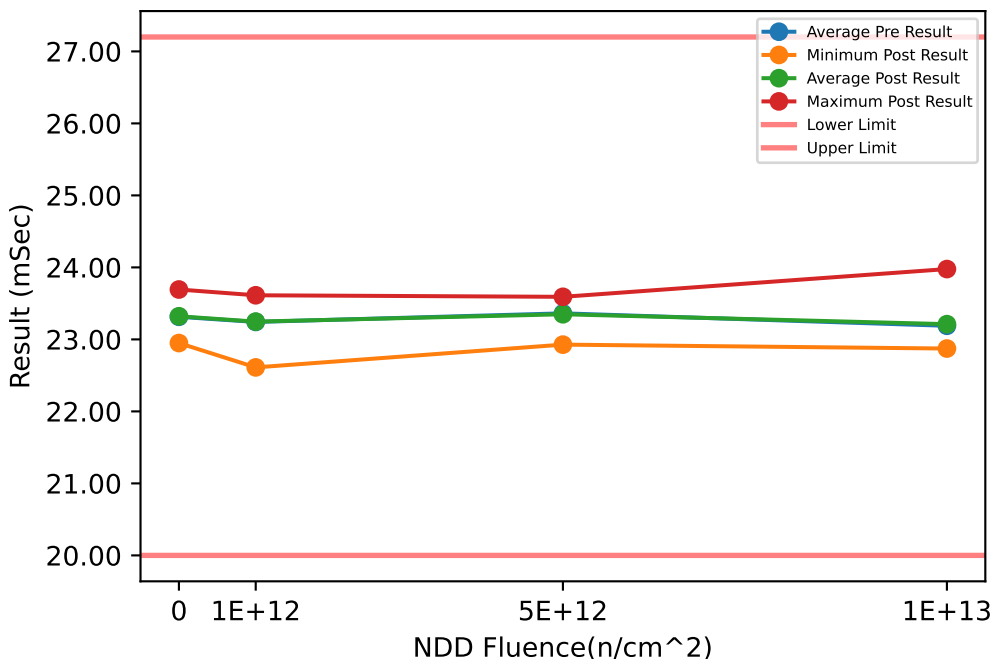
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.236	4.3817	4.5273	0.20598	4.1695	4.2453	4.321	0.10713	-0.2063	-0.1364	-0.0665	0.098854
1e+12	4.1294	4.3063	4.5361	0.171	4.0975	4.2688	4.406	0.12831	-0.4386	-0.0374	0.1387	0.26953
5e+12	4.06	4.3274	4.5179	0.2258	4.3443	4.4102	4.5101	0.079317	-0.1736	0.082725	0.3777	0.2919
1e+13	4.2441	4.286	4.3165	0.035461	4.0904	4.3987	4.5954	0.21602	-0.2239	0.11275	0.3263	0.23723

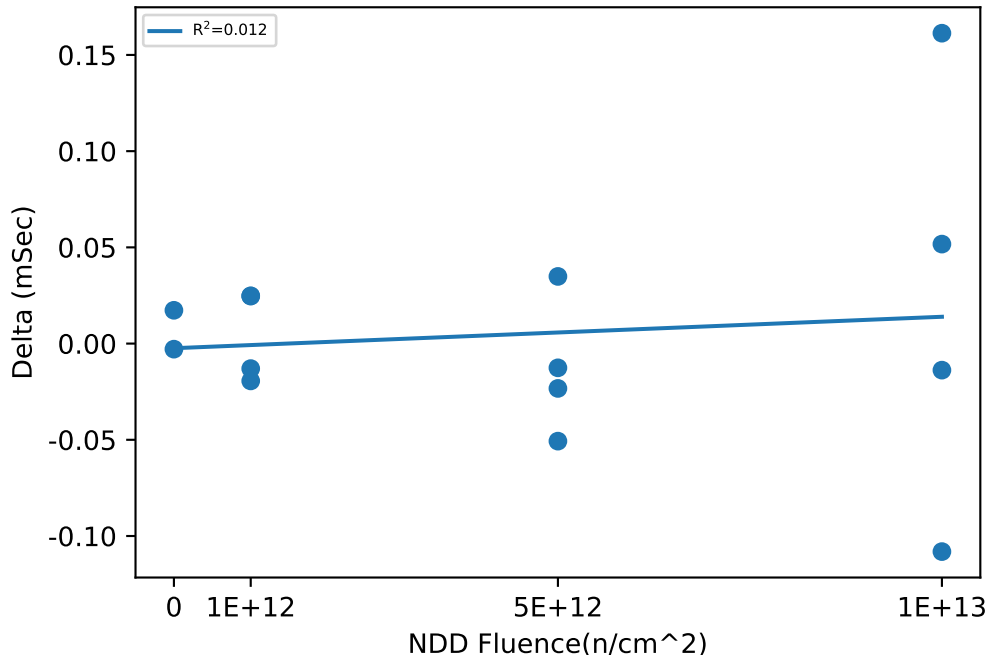
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.185	23.21	0.0247
2	1e+12	NDD Unbiased	23.632	23.613	-0.0194
3	1e+12	NDD Unbiased	23.529	23.553	0.0248
4	1e+12	NDD Unbiased	22.624	22.611	-0.013
5	5e+12	NDD Unbiased	23.487	23.475	-0.0126
6	5e+12	NDD Unbiased	22.892	22.927	0.0349
7	5e+12	NDD Unbiased	23.615	23.591	-0.0233
8	5e+12	NDD Unbiased	23.453	23.403	-0.0507
9	1e+13	NDD Unbiased	23.084	22.976	-0.1081
10	1e+13	NDD Unbiased	23.816	23.977	0.1613
11	1e+13	NDD Unbiased	22.887	22.873	-0.0138
12	1e+13	NDD Unbiased	22.969	23.021	0.0517
53	0	Correlation	22.932	22.949	0.0173
54	0	Correlation	23.696	23.693	-0.0029

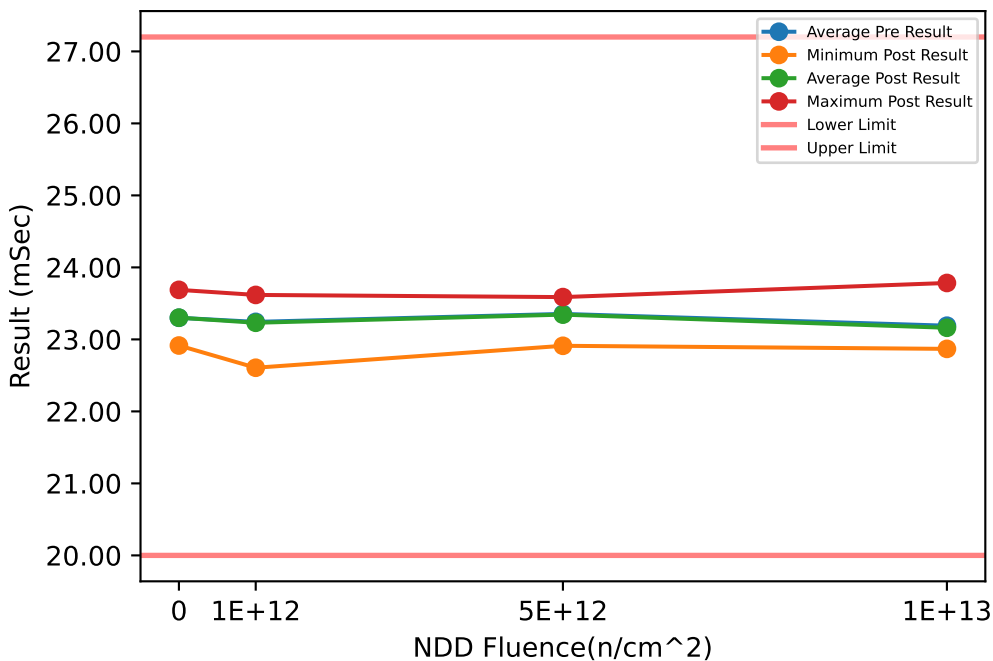
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.932	23.314	23.696	0.54016	22.949	23.321	23.693	0.52588	-0.0029	0.0072	0.0173	0.014284
1e+12	22.624	23.243	23.632	0.45435	22.611	23.247	23.613	0.45946	-0.0194	0.004275	0.0248	0.023786
5e+12	22.892	23.362	23.615	0.32065	22.927	23.349	23.591	0.29171	-0.0507	-0.012925	0.0349	0.035693
1e+13	22.887	23.189	23.816	0.42556	22.873	23.212	23.977	0.51388	-0.1081	0.022775	0.1613	0.11327

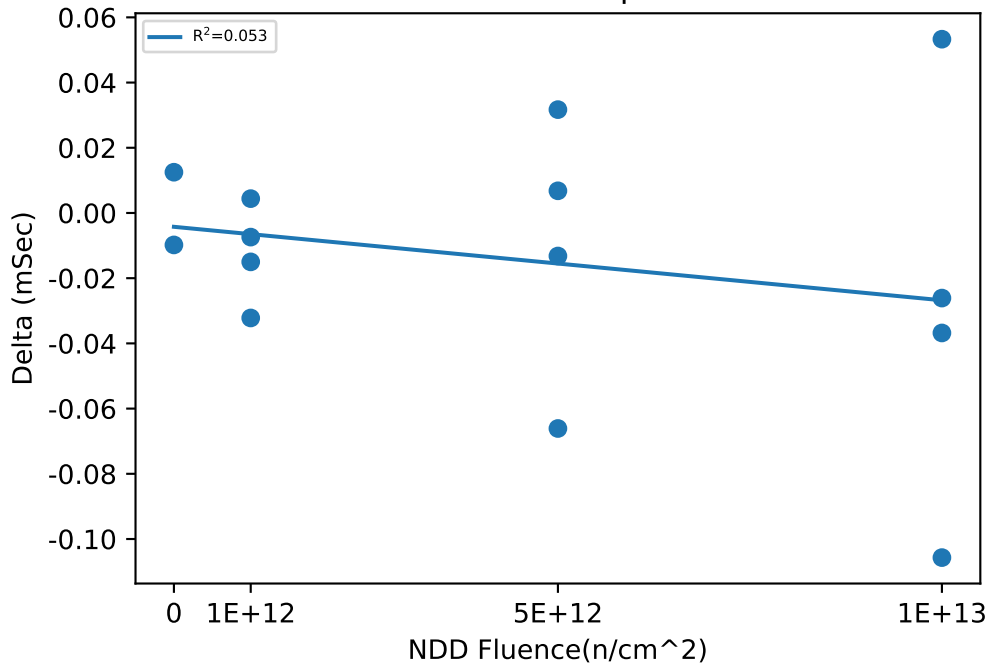
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.185	23.17	-0.015
2	1e+12	NDD Unbiased	23.65	23.618	-0.0322
3	1e+12	NDD Unbiased	23.526	23.53	0.0044
4	1e+12	NDD Unbiased	22.614	22.606	-0.0074
5	5e+12	NDD Unbiased	23.482	23.514	0.0317
6	5e+12	NDD Unbiased	22.904	22.911	0.0068
7	5e+12	NDD Unbiased	23.601	23.588	-0.0132
8	5e+12	NDD Unbiased	23.43	23.363	-0.0661
9	1e+13	NDD Unbiased	23.081	22.976	-0.1057
10	1e+13	NDD Unbiased	23.82	23.784	-0.0368
11	1e+13	NDD Unbiased	22.895	22.868	-0.0261
12	1e+13	NDD Unbiased	22.965	23.018	0.0533
53	0	Correlation	22.925	22.915	-0.0098
54	0	Correlation	23.676	23.688	0.0125

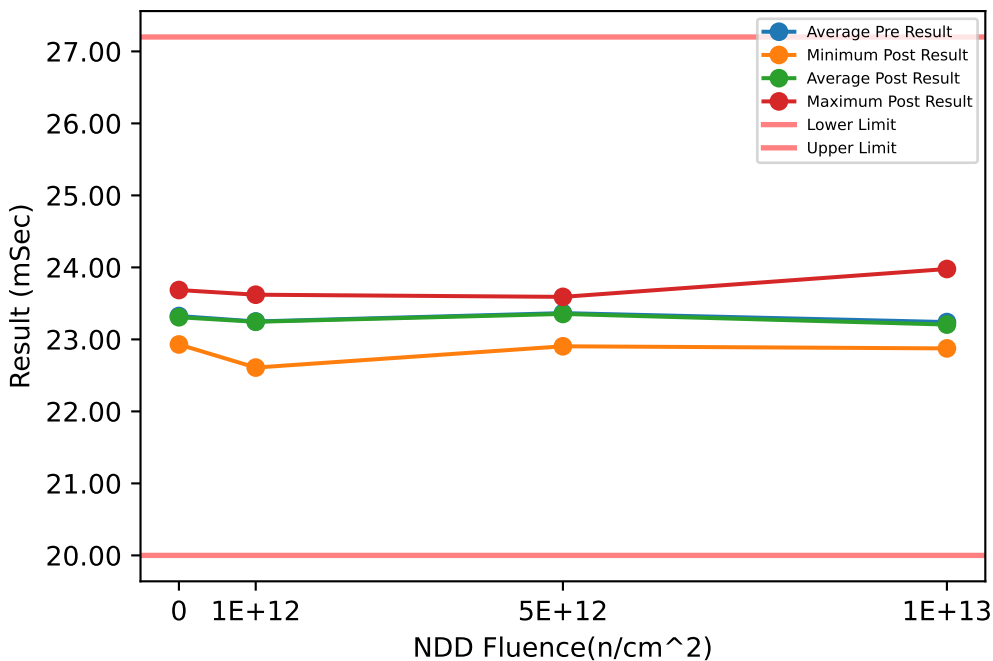
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.925	23.3	23.676	0.53083	22.915	23.302	23.688	0.54659	-0.0098	0.00135	0.0125	0.015768
1e+12	22.614	23.243	23.65	0.46359	22.606	23.231	23.618	0.4593	-0.0322	-0.01255	0.0044	0.01534
5e+12	22.904	23.354	23.601	0.30832	22.911	23.344	23.588	0.30323	-0.0661	-0.0102	0.0317	0.041547
1e+13	22.895	23.19	23.82	0.42719	22.868	23.161	23.784	0.41961	-0.1057	-0.028825	0.0533	0.065129

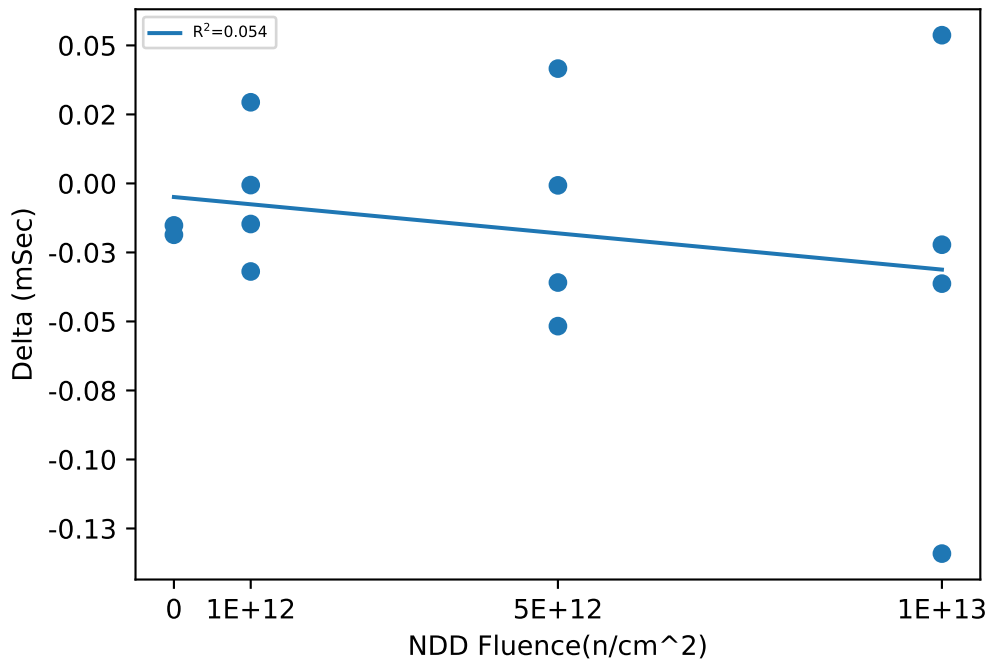
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.197	23.197	-0.0006
2	1e+12	NDD Unbiased	23.652	23.621	-0.0319
3	1e+12	NDD Unbiased	23.523	23.552	0.0294
4	1e+12	NDD Unbiased	22.623	22.609	-0.0147
5	5e+12	NDD Unbiased	23.476	23.518	0.0416
6	5e+12	NDD Unbiased	22.905	22.904	-0.0007
7	5e+12	NDD Unbiased	23.627	23.591	-0.0359
8	5e+12	NDD Unbiased	23.453	23.401	-0.0517
9	1e+13	NDD Unbiased	23.084	22.95	-0.1341
10	1e+13	NDD Unbiased	24.014	23.978	-0.0363
11	1e+13	NDD Unbiased	22.897	22.875	-0.0222
12	1e+13	NDD Unbiased	22.968	23.021	0.0537
53	0	Correlation	22.948	22.93	-0.0186
54	0	Correlation	23.701	23.686	-0.0152

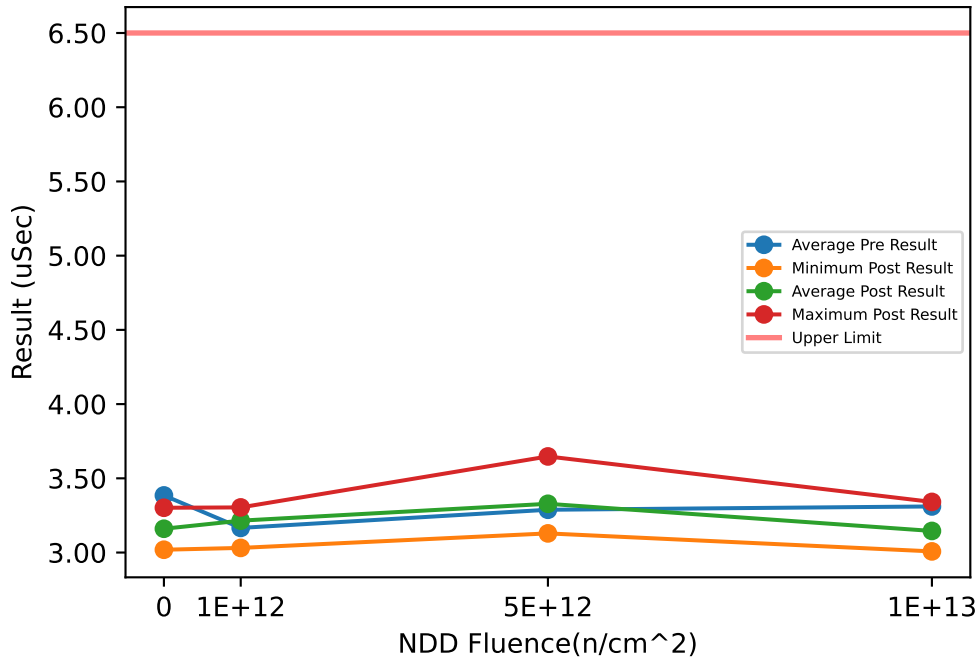
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.948	23.325	23.701	0.53217	22.93	23.308	23.686	0.53457	-0.0186	-0.0169	-0.0152	0.0024042
1e+12	22.623	23.249	23.652	0.4589	22.609	23.244	23.621	0.46281	-0.0319	-0.00445	0.0294	0.025944
5e+12	22.905	23.365	23.627	0.31633	22.904	23.353	23.591	0.30949	-0.0517	-0.011675	0.0416	0.041423
1e+13	22.897	23.241	24.014	0.52134	22.875	23.206	23.978	0.51804	-0.1341	-0.034725	0.0537	0.077144

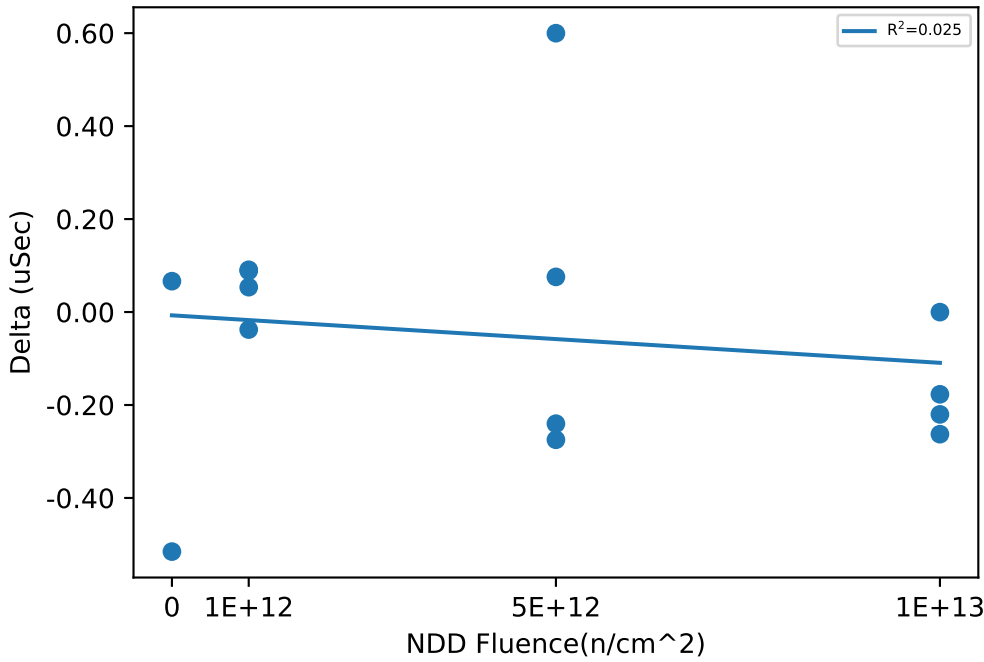
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1342	3.2251	0.0909
2	1e+12	NDD Unbiased	3.2104	3.2991	0.0887
3	1e+12	NDD Unbiased	3.0689	3.0312	-0.0377
4	1e+12	NDD Unbiased	3.2505	3.304	0.0535
5	5e+12	NDD Unbiased	3.3023	3.3779	0.0756
6	5e+12	NDD Unbiased	3.3692	3.129	-0.2402
7	5e+12	NDD Unbiased	3.0475	3.6474	0.5999
8	5e+12	NDD Unbiased	3.4339	3.1591	-0.2748
9	1e+13	NDD Unbiased	3.2904	3.0702	-0.2202
10	1e+13	NDD Unbiased	3.34	3.163	-0.177
11	1e+13	NDD Unbiased	3.2705	3.0077	-0.2628
12	1e+13	NDD Unbiased	3.3412	3.341	-0.0002
53	0	Correlation	3.5343	3.0189	-0.5154
54	0	Correlation	3.2353	3.3017	0.0664

NDD vs Post - Pre Exposure Delta

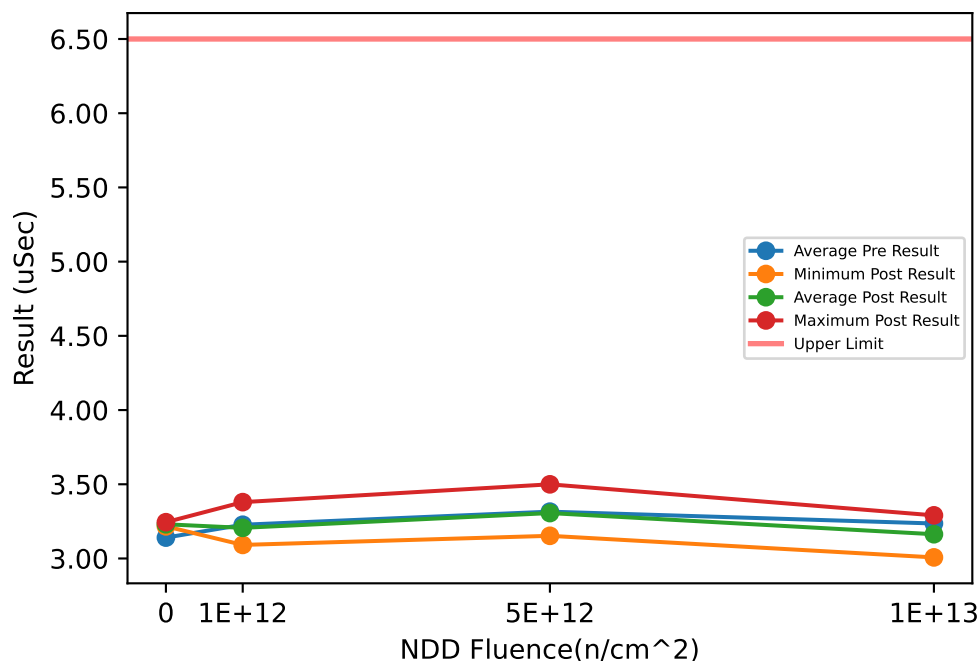


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2353	3.3848	3.5343	0.21142	3.0189	3.1603	3.3017	0.19997	-0.5154	-0.2245	0.0664	0.41139
1e+12	3.0689	3.166	3.2505	0.080728	3.0312	3.2149	3.304	0.12764	-0.0377	0.04885	0.0909	0.060191
5e+12	3.0475	3.2882	3.4339	0.16924	3.129	3.3283	3.6474	0.23988	-0.2748	0.040125	0.5999	0.40512
1e+13	3.2705	3.3105	3.3412	0.035669	3.0077	3.1455	3.341	0.14513	-0.2628	-0.16505	-0.0002	0.11535

Device Test: 17.19 TPD_EN(_DELAY|STEP_DOWN/EN1/1.6/14/0/0/0/@TPD_EN)

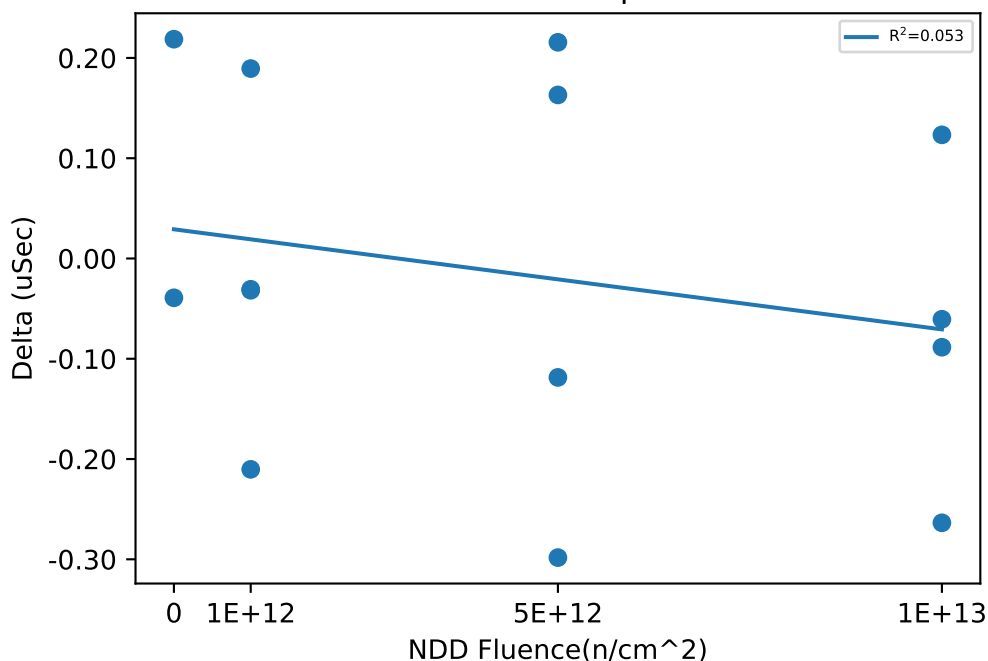
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1902	3.3796	0.1894
2	1e+12	NDD Unbiased	3.3409	3.1306	-0.2103
3	1e+12	NDD Unbiased	3.2549	3.2242	-0.0307
4	1e+12	NDD Unbiased	3.1231	3.0914	-0.0317
5	5e+12	NDD Unbiased	3.2202	3.3833	0.1631
6	5e+12	NDD Unbiased	3.307	3.1884	-0.1186
7	5e+12	NDD Unbiased	3.451	3.1527	-0.2983
8	5e+12	NDD Unbiased	3.284	3.4996	0.2156
9	1e+13	NDD Unbiased	3.5542	3.2906	-0.2636
10	1e+13	NDD Unbiased	3.2178	3.1293	-0.0885
11	1e+13	NDD Unbiased	3.287	3.2264	-0.0606
12	1e+13	NDD Unbiased	2.884	3.0073	0.1233
53	0	Correlation	3.2556	3.2164	-0.0392
54	0	Correlation	3.0257	3.2444	0.2187

NDD vs Post - Pre Exposure Delta

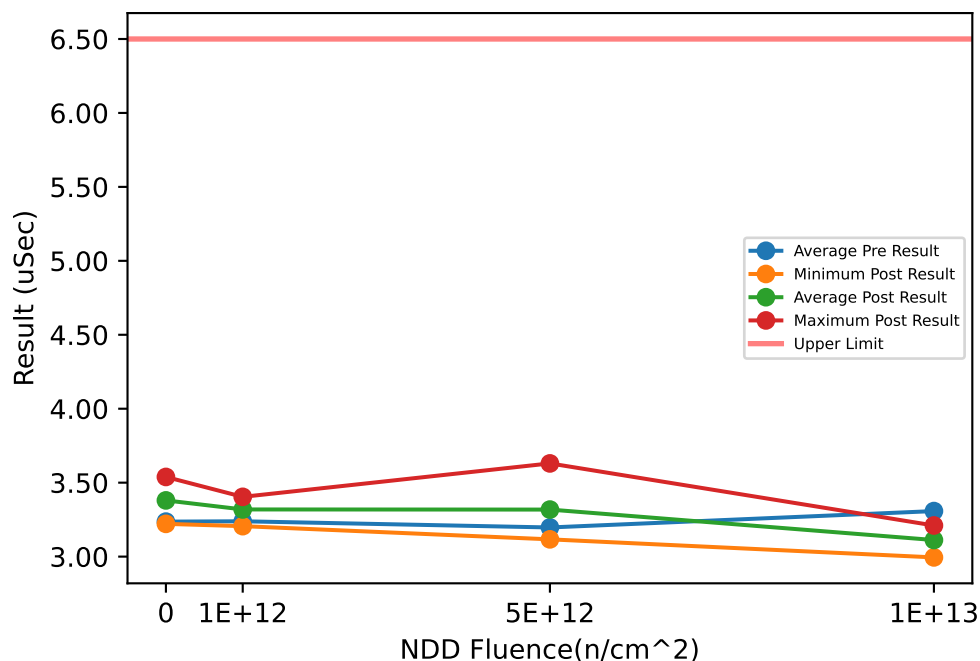


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0257	3.1406	3.2556	0.16256	3.2164	3.2304	3.2444	0.019799	-0.0392	0.08975	0.2187	0.18236
1e+12	3.1231	3.2273	3.3409	0.092917	3.0914	3.2065	3.3796	0.12817	-0.2103	-0.020825	0.1894	0.16362
5e+12	3.2202	3.3155	3.451	0.09748	3.1527	3.306	3.4996	0.1641	-0.2983	-0.00955	0.2156	0.24205
1e+13	2.884	3.2357	3.5542	0.27573	3.0073	3.1634	3.2906	0.12339	-0.2636	-0.07235	0.1233	0.15838

Device Test: 17.2 TPD_EN(_DELAY|STEP_UP/EN2/1.6/3/0/0/0/@TPD_EN)

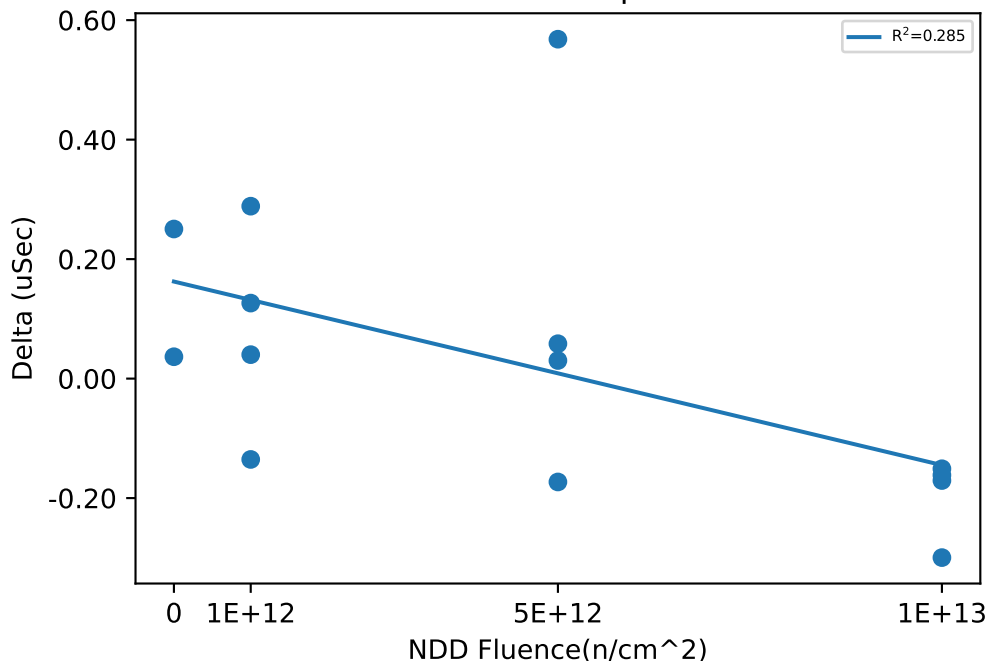
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3413	3.206	-0.1353
2	1e+12	NDD Unbiased	3.2553	3.2954	0.0401
3	1e+12	NDD Unbiased	3.1155	3.4041	0.2886
4	1e+12	NDD Unbiased	3.2438	3.3702	0.1264
5	5e+12	NDD Unbiased	3.2898	3.1168	-0.173
6	5e+12	NDD Unbiased	3.263	3.3214	0.0584
7	5e+12	NDD Unbiased	3.1735	3.2038	0.0303
8	5e+12	NDD Unbiased	3.0621	3.6302	0.5681
9	1e+13	NDD Unbiased	3.3614	3.2105	-0.1509
10	1e+13	NDD Unbiased	3.3019	3.1313	-0.1706
11	1e+13	NDD Unbiased	3.1563	2.9947	-0.1616
12	1e+13	NDD Unbiased	3.4118	3.1122	-0.2996
53	0	Correlation	3.2883	3.5387	0.2504
54	0	Correlation	3.1849	3.2215	0.0366

NDD vs Post - Pre Exposure Delta

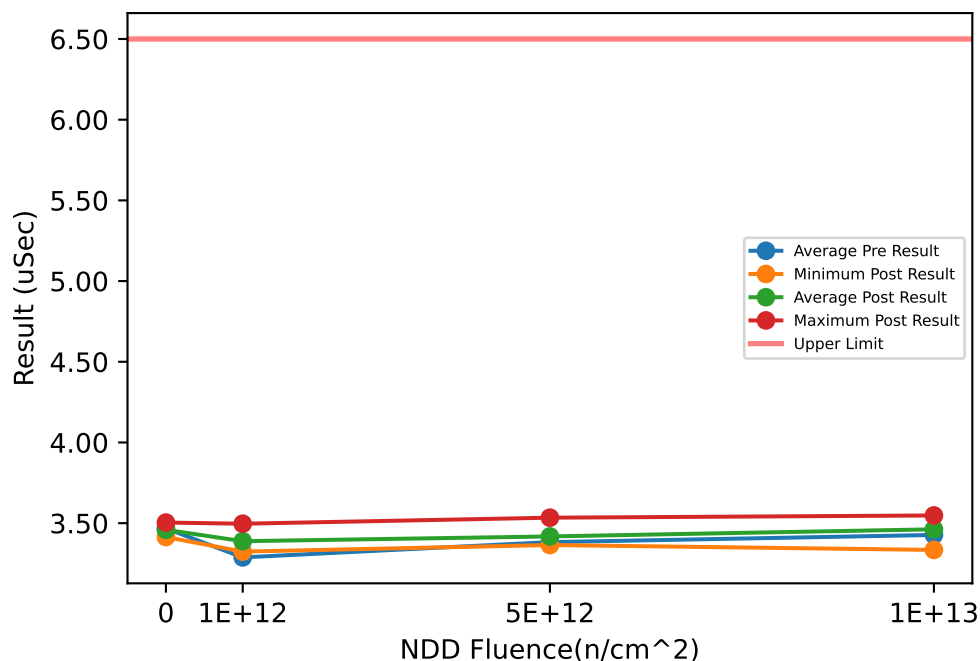


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1849	3.2366	3.2883	0.073115	3.2215	3.3801	3.5387	0.22429	0.0366	0.1435	0.2504	0.15118
1e+12	3.1155	3.239	3.3413	0.093106	3.206	3.3189	3.4041	0.087919	-0.1353	0.07995	0.2886	0.17665
5e+12	3.0621	3.1971	3.2898	0.10282	3.1168	3.318	3.6302	0.22435	-0.173	0.12095	0.5681	0.31543
1e+13	3.1563	3.3079	3.4118	0.11057	2.9947	3.1122	3.2105	0.089133	-0.2996	-0.19567	-0.1509	0.06975

Device Test: 17.20 TPD_EN(_DELAY|STEP_DOWN/EN2/1.6/14/0/0/0/@TPD_EN)

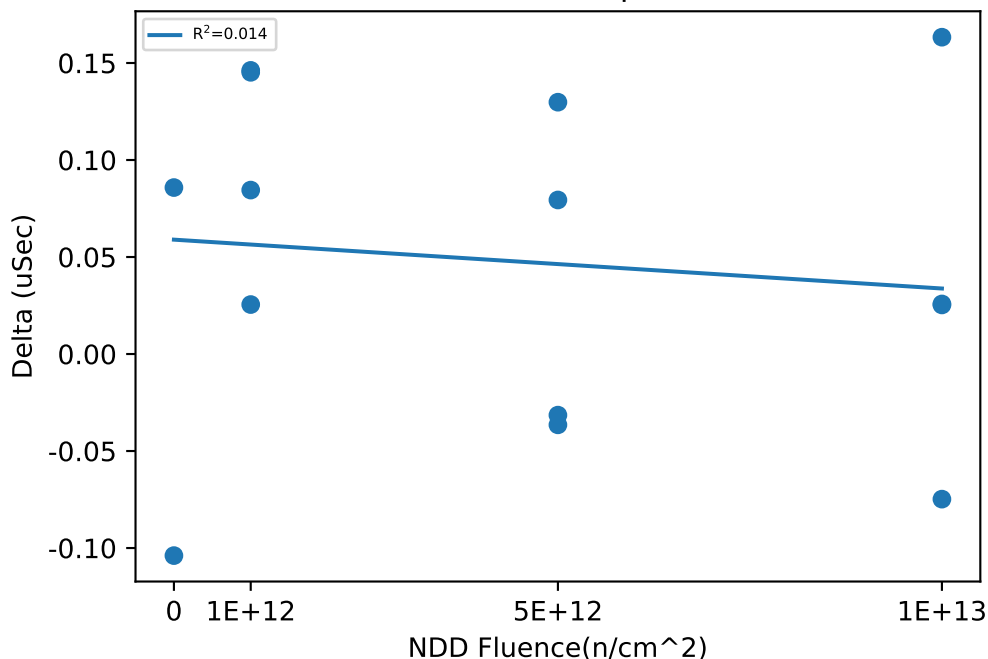
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3292	3.3547	0.0255
2	1e+12	NDD Unbiased	3.2318	3.378	0.1462
3	1e+12	NDD Unbiased	3.2394	3.3239	0.0845
4	1e+12	NDD Unbiased	3.3514	3.4966	0.1452
5	5e+12	NDD Unbiased	3.2667	3.3965	0.1298
6	5e+12	NDD Unbiased	3.4077	3.3762	-0.0315
7	5e+12	NDD Unbiased	3.2852	3.3646	0.0794
8	5e+12	NDD Unbiased	3.5705	3.534	-0.0365
9	1e+13	NDD Unbiased	3.5225	3.5478	0.0253
10	1e+13	NDD Unbiased	3.378	3.5413	0.1633
11	1e+13	NDD Unbiased	3.4091	3.3343	-0.0748
12	1e+13	NDD Unbiased	3.3988	3.4246	0.0258
53	0	Correlation	3.6077	3.5038	-0.1039
54	0	Correlation	3.3283	3.4141	0.0858

NDD vs Post - Pre Exposure Delta

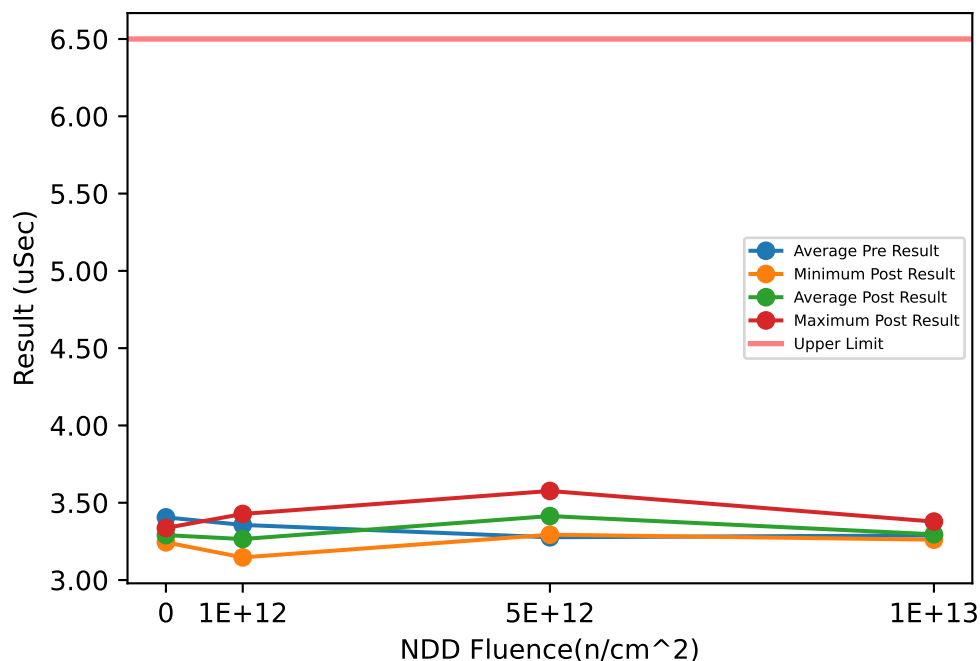


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3283	3.468	3.6077	0.19757	3.4141	3.4589	3.5038	0.063427	-0.1039	-0.00905	0.0858	0.13414
1e+12	3.2318	3.2879	3.3514	0.061203	3.3239	3.3883	3.4966	0.075523	0.0255	0.10035	0.1462	0.057641
5e+12	3.2667	3.3825	3.5705	0.14007	3.3646	3.4178	3.534	0.078564	-0.0365	0.0353	0.1298	0.082649
1e+13	3.378	3.4271	3.5225	0.064902	3.3343	3.462	3.5478	0.10224	-0.0748	0.0349	0.1633	0.097802

Device Test: 17.21 TPD_EN(_DELAY|STEP_DOWN/EN3/1.6/14/0/0/0/@TPD_EN)

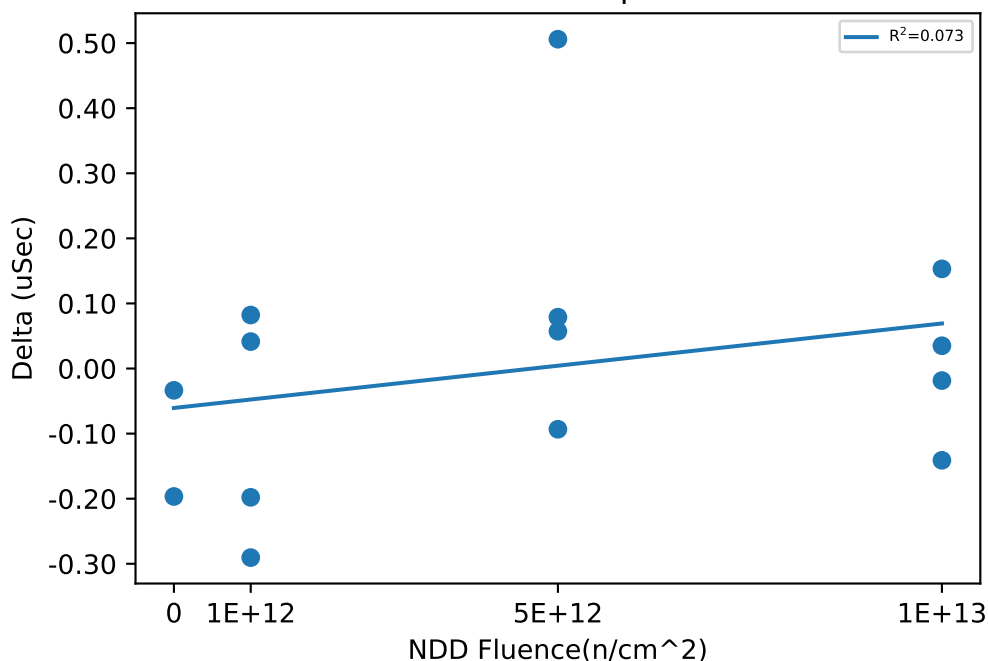
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3444	3.1465	-0.1979
2	1e+12	NDD Unbiased	3.5093	3.2188	-0.2905
3	1e+12	NDD Unbiased	3.3454	3.4276	0.0822
4	1e+12	NDD Unbiased	3.227	3.2684	0.0414
5	5e+12	NDD Unbiased	3.0702	3.5762	0.506
6	5e+12	NDD Unbiased	3.236	3.2933	0.0573
7	5e+12	NDD Unbiased	3.3646	3.4435	0.0789
8	5e+12	NDD Unbiased	3.4357	3.3424	-0.0933
9	1e+13	NDD Unbiased	3.2281	3.2631	0.035
10	1e+13	NDD Unbiased	3.2251	3.3782	0.1531
11	1e+13	NDD Unbiased	3.2796	3.2611	-0.0185
12	1e+13	NDD Unbiased	3.4222	3.2812	-0.141
53	0	Correlation	3.3703	3.3368	-0.0335
54	0	Correlation	3.4405	3.2439	-0.1966

NDD vs Post - Pre Exposure Delta

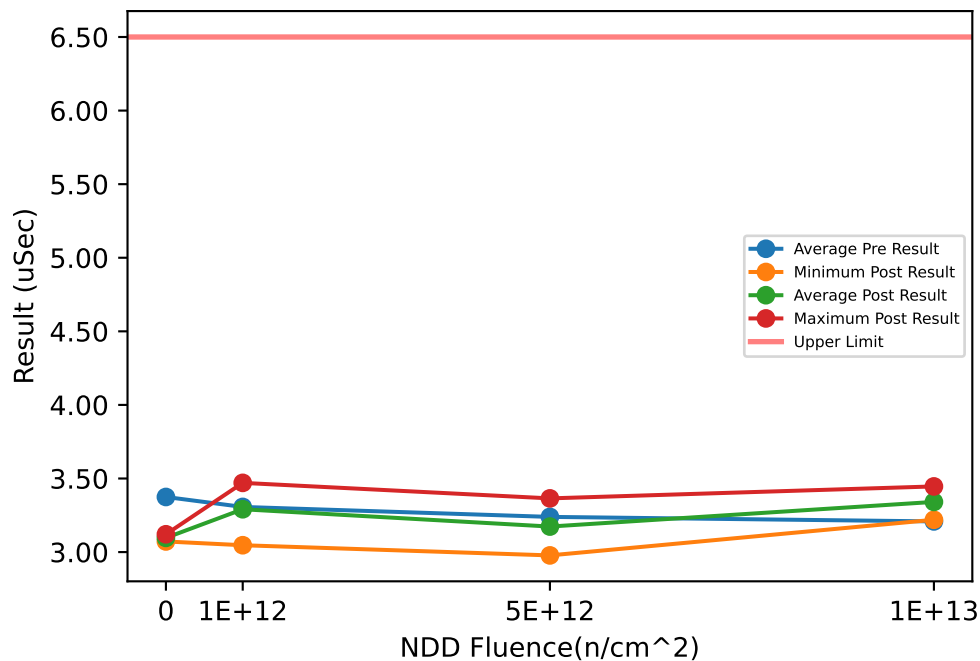


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3703	3.4054	3.4405	0.049639	3.2439	3.2904	3.3368	0.06569	-0.1966	-0.11505	-0.0335	0.11533
1e+12	3.227	3.3565	3.5093	0.11603	3.1465	3.2653	3.4276	0.1192	-0.2905	-0.0912	0.0822	0.18143
5e+12	3.0702	3.2766	3.4357	0.16053	3.2933	3.4139	3.5762	0.125	-0.0933	0.13722	0.506	0.25751
1e+13	3.2251	3.2887	3.4222	0.092416	3.2611	3.2959	3.3782	0.055607	-0.141	0.00715	0.1531	0.12204

Device Test: 17.22 TPD_EN(_DELAY|STEP_DOWN/EN4/1.6/14/0/0/0/@TPD_EN)

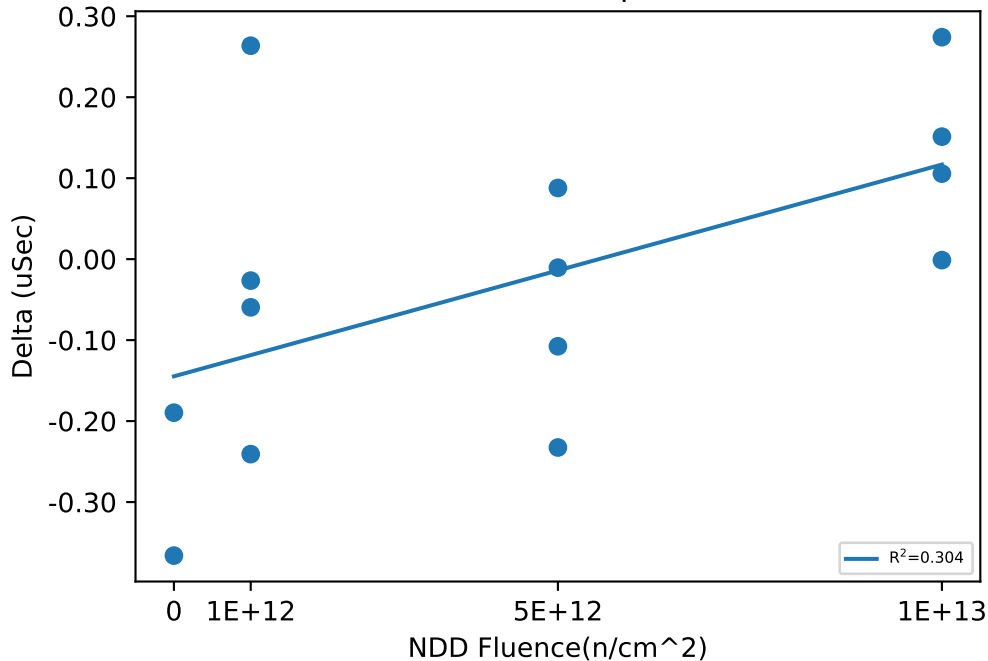
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3958	3.3693	-0.0265
2	1e+12	NDD Unbiased	3.3374	3.2779	-0.0595
3	1e+12	NDD Unbiased	3.2874	3.0466	-0.2408
4	1e+12	NDD Unbiased	3.2067	3.4703	0.2636
5	5e+12	NDD Unbiased	3.2101	2.9775	-0.2326
6	5e+12	NDD Unbiased	3.1501	3.238	0.0879
7	5e+12	NDD Unbiased	3.2211	3.1135	-0.1076
8	5e+12	NDD Unbiased	3.3754	3.3649	-0.0105
9	1e+13	NDD Unbiased	3.3109	3.4165	0.1056
10	1e+13	NDD Unbiased	3.2208	3.2196	-0.0012
11	1e+13	NDD Unbiased	3.1721	3.4462	0.2741
12	1e+13	NDD Unbiased	3.1301	3.2814	0.1513
53	0	Correlation	3.3106	3.121	-0.1896
54	0	Correlation	3.4383	3.0722	-0.3661

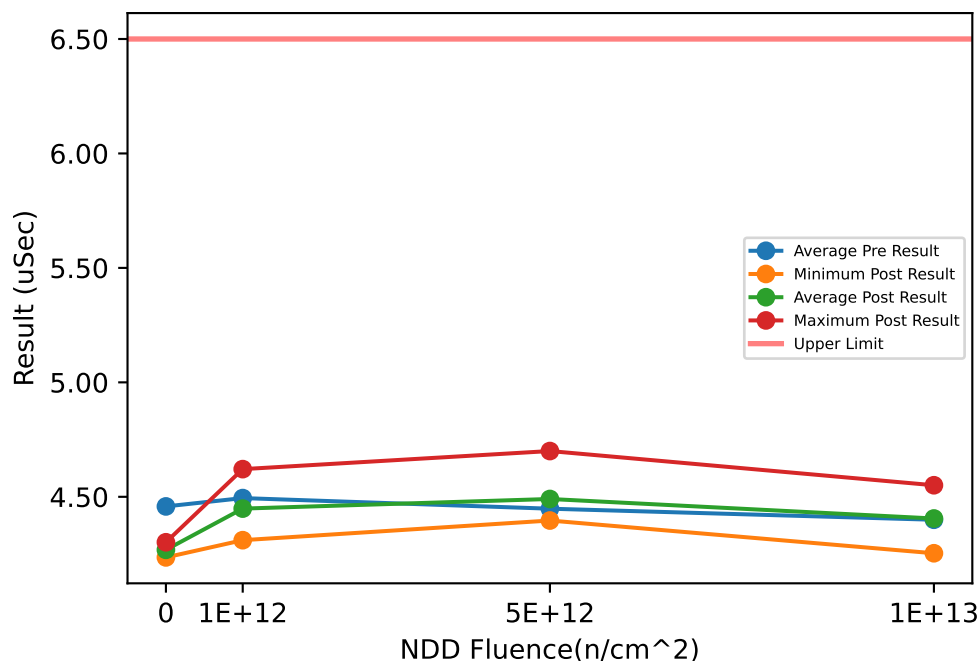
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3106	3.3744	3.4383	0.090298	3.0722	3.0966	3.121	0.034507	-0.3661	-0.27785	-0.1896	0.1248
1e+12	3.2067	3.3068	3.3958	0.080112	3.0466	3.291	3.4703	0.18091	-0.2408	-0.0158	0.2636	0.20874
5e+12	3.1501	3.2392	3.3754	0.096027	2.9775	3.1735	3.3649	0.16614	-0.2326	-0.0657	0.0879	0.13693
1e+13	3.1301	3.2085	3.3109	0.077693	3.2196	3.3409	3.4462	0.1081	-0.0012	0.13245	0.2741	0.11402

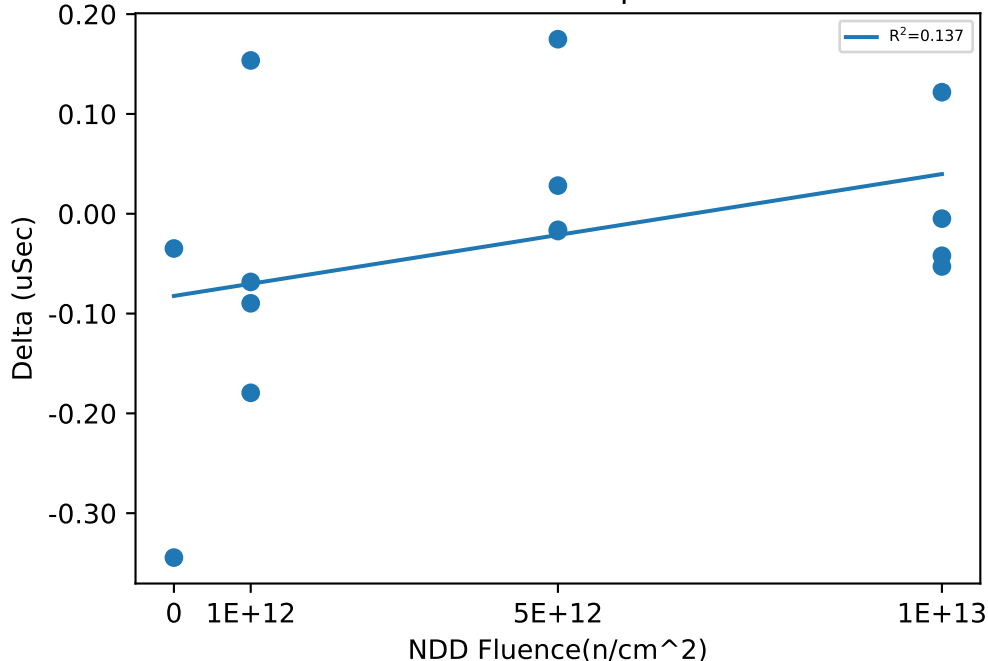
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.6892	4.6209	-0.0683
2	1e+12	NDD Unbiased	4.5759	4.4862	-0.0897
3	1e+12	NDD Unbiased	4.2227	4.3763	0.1536
4	1e+12	NDD Unbiased	4.4899	4.3105	-0.1794
5	5e+12	NDD Unbiased	4.3959	4.4241	0.0282
6	5e+12	NDD Unbiased	4.525	4.6999	0.1749
7	5e+12	NDD Unbiased	4.4576	4.4415	-0.0161
8	5e+12	NDD Unbiased	4.4137	4.3964	-0.0173
9	1e+13	NDD Unbiased	4.5384	4.5335	-0.0049
10	1e+13	NDD Unbiased	4.4287	4.5505	0.1218
11	1e+13	NDD Unbiased	4.3364	4.2836	-0.0528
12	1e+13	NDD Unbiased	4.2955	4.2534	-0.0421
53	0	Correlation	4.5798	4.2353	-0.3445
54	0	Correlation	4.3362	4.3014	-0.0348

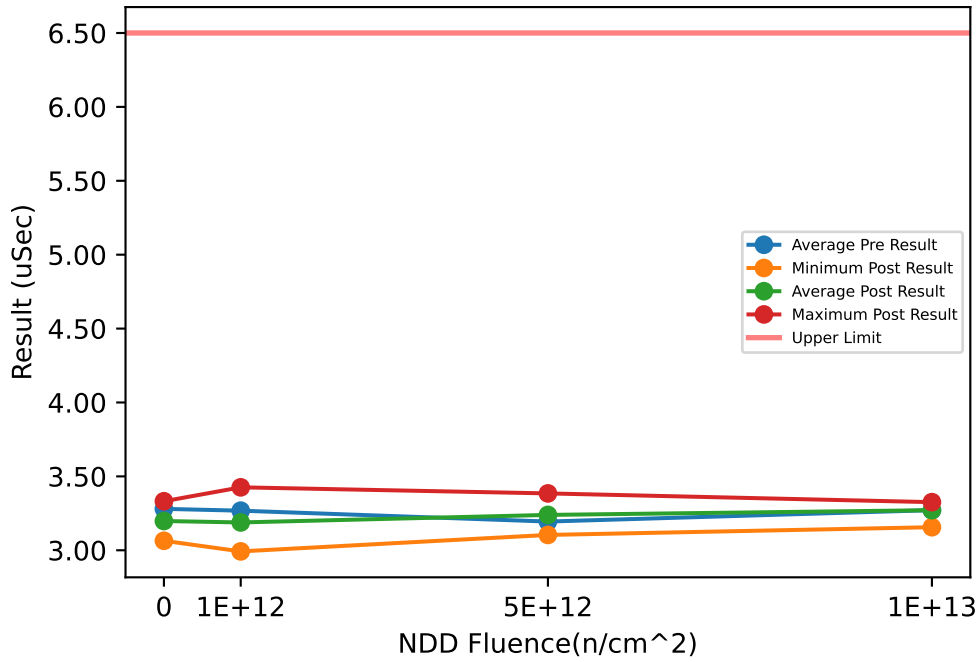
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.3362	4.458	4.5798	0.17225	4.2353	4.2683	4.3014	0.04674	-0.3445	-0.18965	-0.0348	0.21899
1e+12	4.2227	4.4944	4.6892	0.19869	4.3105	4.4485	4.6209	0.13589	-0.1794	-0.04595	0.1536	0.14147
5e+12	4.3959	4.4481	4.525	0.057481	4.3964	4.4905	4.6999	0.14085	-0.0173	0.042425	0.1749	0.090819
1e+13	4.2955	4.3998	4.5384	0.10792	4.2534	4.4053	4.5505	0.15854	-0.0528	0.0055	0.1218	0.080205

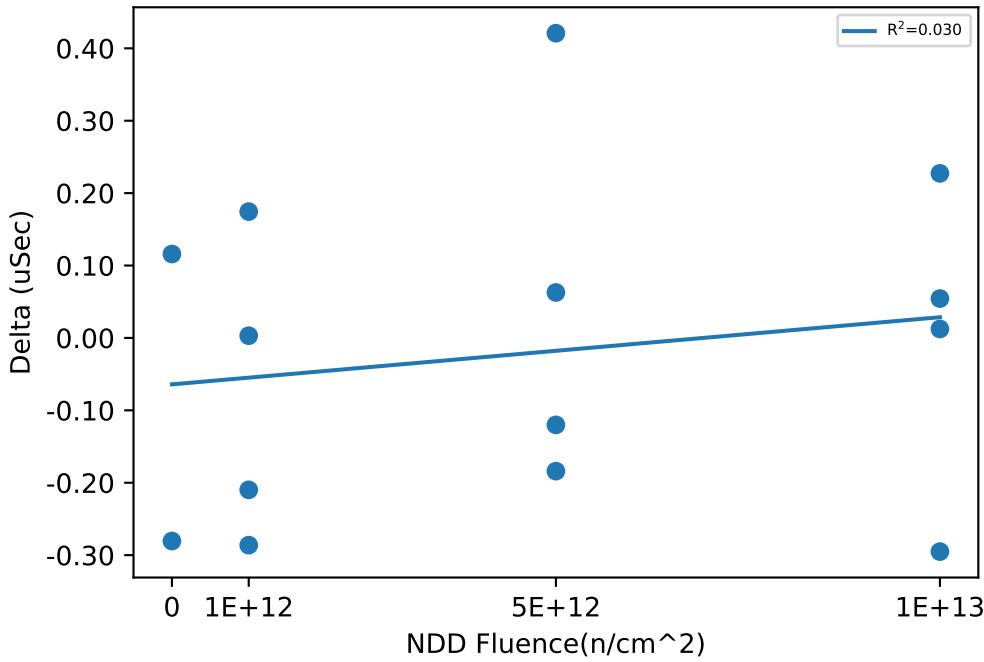
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2022	2.9924	-0.2098
2	1e+12	NDD Unbiased	3.2514	3.4259	0.1745
3	1e+12	NDD Unbiased	3.4146	3.1284	-0.2862
4	1e+12	NDD Unbiased	3.2034	3.2065	0.0031
5	5e+12	NDD Unbiased	3.2878	3.1038	-0.184
6	5e+12	NDD Unbiased	2.9639	3.3848	0.4209
7	5e+12	NDD Unbiased	3.1031	3.1659	0.0628
8	5e+12	NDD Unbiased	3.4226	3.3025	-0.1201
9	1e+13	NDD Unbiased	3.3132	3.3256	0.0124
10	1e+13	NDD Unbiased	3.23	3.2844	0.0544
11	1e+13	NDD Unbiased	3.0915	3.3188	0.2273
12	1e+13	NDD Unbiased	3.4512	3.1561	-0.2951
53	0	Correlation	3.2158	3.3317	0.1159
54	0	Correlation	3.3447	3.0642	-0.2805

NDD vs Post - Pre Exposure Delta

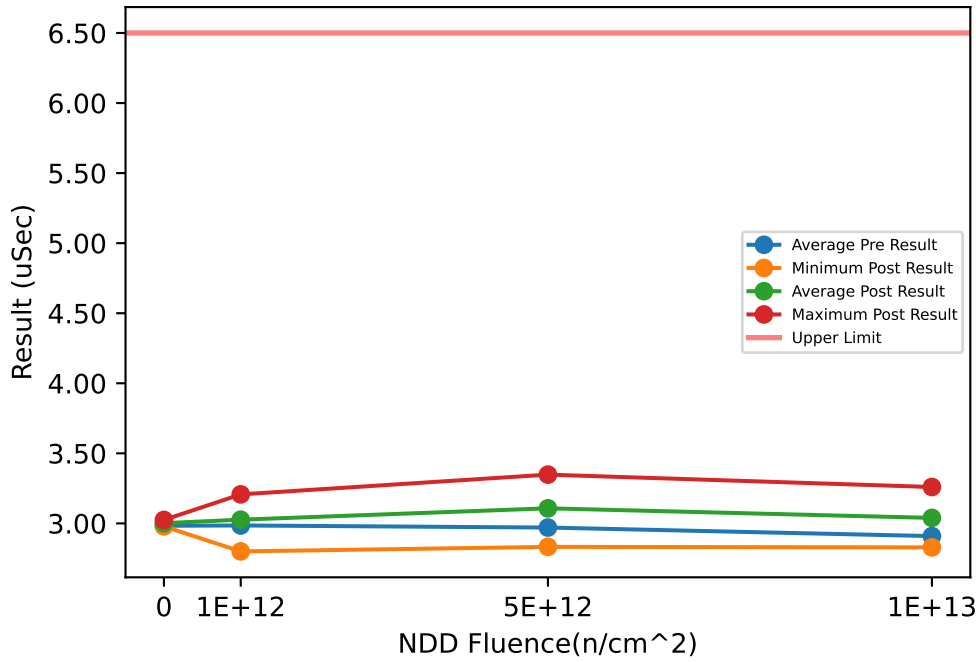


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2158	3.2803	3.3447	0.091146	3.0642	3.198	3.3317	0.18915	-0.2805	-0.0823	0.1159	0.2803
1e+12	3.2022	3.2679	3.4146	0.10045	2.9924	3.1883	3.4259	0.18143	-0.2862	-0.0796	0.1745	0.209
5e+12	2.9639	3.1944	3.4226	0.20188	3.1038	3.2393	3.3848	0.12769	-0.184	0.0449	0.4209	0.27161
1e+13	3.0915	3.2715	3.4512	0.15072	3.1561	3.2712	3.3256	0.07884	-0.2951	-0.00025	0.2273	0.21746

Device Test: 17.25 TPD_EN(_DELAY|STEP_UP/EN1/7/3/0/0/0/@TPD_EN)

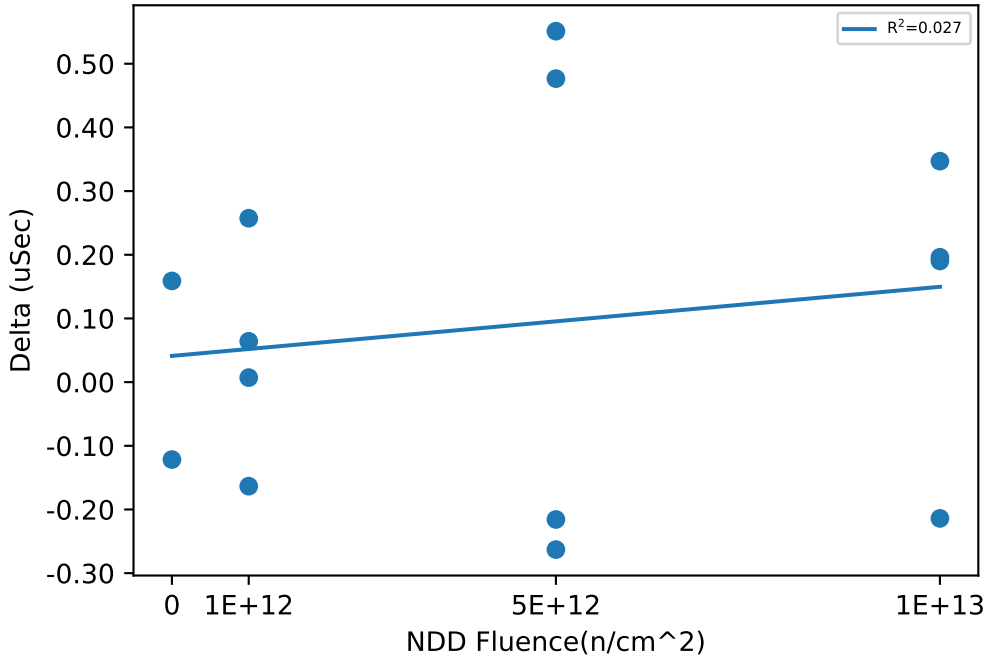
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.9944	3.0585	0.0641
2	1e+12	NDD Unbiased	2.9497	3.2071	0.2574
3	1e+12	NDD Unbiased	3.0332	3.0403	0.0071
4	1e+12	NDD Unbiased	2.9635	2.8001	-0.1634
5	5e+12	NDD Unbiased	2.7687	3.3198	0.5511
6	5e+12	NDD Unbiased	2.8714	3.348	0.4766
7	5e+12	NDD Unbiased	3.1458	2.9301	-0.2157
8	5e+12	NDD Unbiased	3.0953	2.8323	-0.263
9	1e+13	NDD Unbiased	3.0428	2.8288	-0.214
10	1e+13	NDD Unbiased	2.911	3.1013	0.1903
11	1e+13	NDD Unbiased	2.7708	2.9669	0.1961
12	1e+13	NDD Unbiased	2.9126	3.2596	0.347
53	0	Correlation	3.1003	2.9787	-0.1216
54	0	Correlation	2.8657	3.0246	0.1589

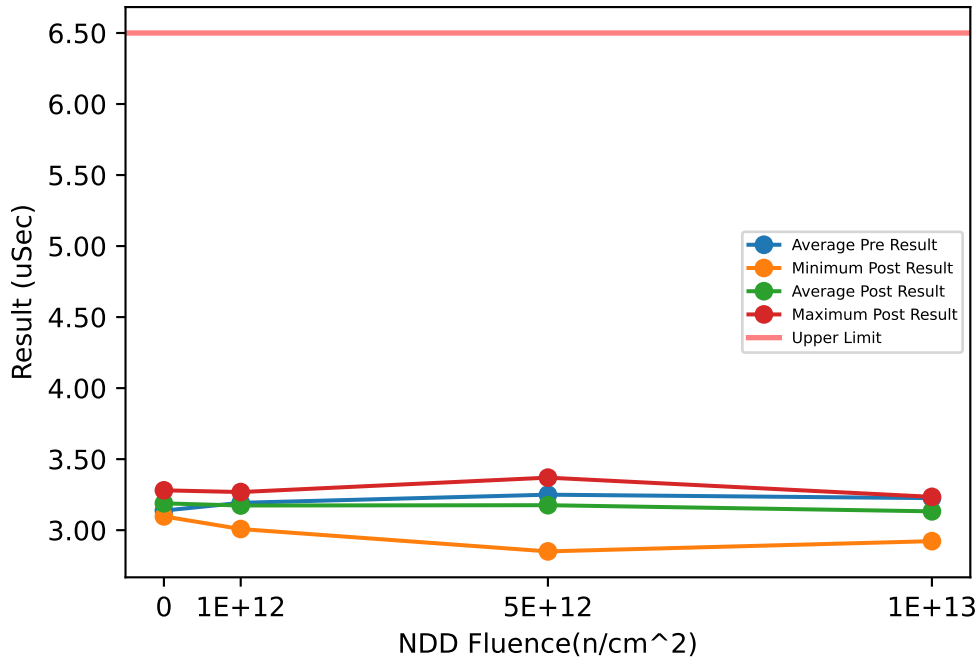
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8657	2.983	3.1003	0.16589	2.9787	3.0016	3.0246	0.032456	-0.1216	0.01865	0.1589	0.19834
1e+12	2.9497	2.9852	3.0332	0.037058	2.8001	3.0265	3.2071	0.16841	-0.1634	0.0413	0.2574	0.17348
5e+12	2.7687	2.9703	3.1458	0.17967	2.8323	3.1075	3.348	0.26465	-0.263	0.13725	0.5511	0.43635
1e+13	2.7708	2.9093	3.0428	0.11108	2.8288	3.0392	3.2596	0.18433	-0.214	0.12985	0.347	0.24044

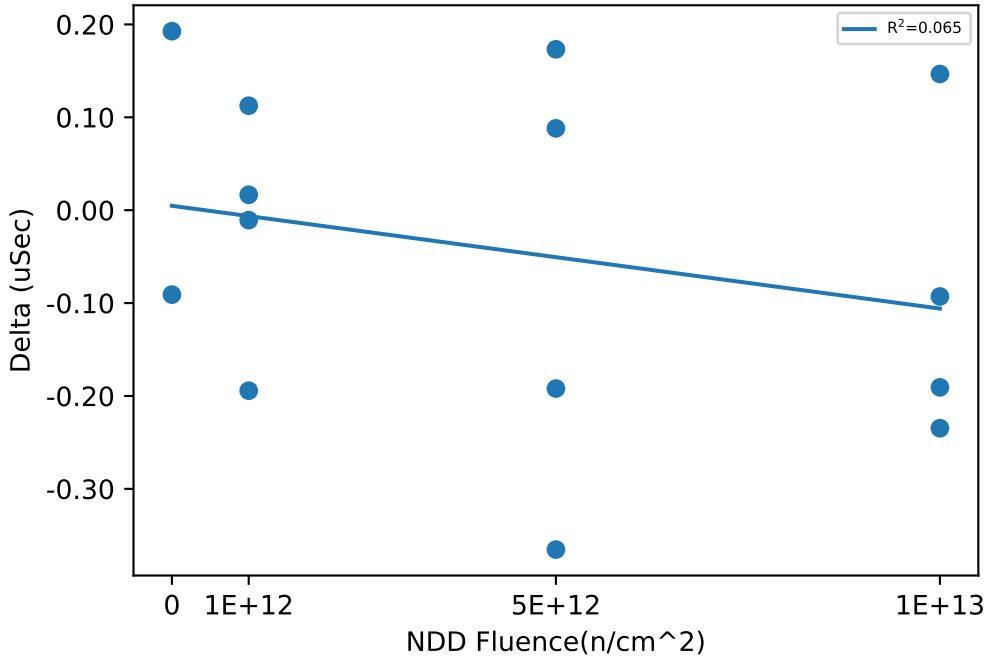
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1726	3.1619	-0.0107
2	1e+12	NDD Unbiased	3.2396	3.2562	0.0166
3	1e+12	NDD Unbiased	3.2024	3.0081	-0.1943
4	1e+12	NDD Unbiased	3.1559	3.2684	0.1125
5	5e+12	NDD Unbiased	3.3267	3.1347	-0.192
6	5e+12	NDD Unbiased	3.216	2.8506	-0.3654
7	5e+12	NDD Unbiased	3.2601	3.3482	0.0881
8	5e+12	NDD Unbiased	3.1966	3.3698	0.1732
9	1e+13	NDD Unbiased	3.385	3.1503	-0.2347
10	1e+13	NDD Unbiased	3.4135	3.2228	-0.1907
11	1e+13	NDD Unbiased	3.0156	2.9227	-0.0929
12	1e+13	NDD Unbiased	3.088	3.2346	0.1466
53	0	Correlation	3.0878	3.2805	0.1927
54	0	Correlation	3.1879	3.097	-0.0909

NDD vs Post - Pre Exposure Delta

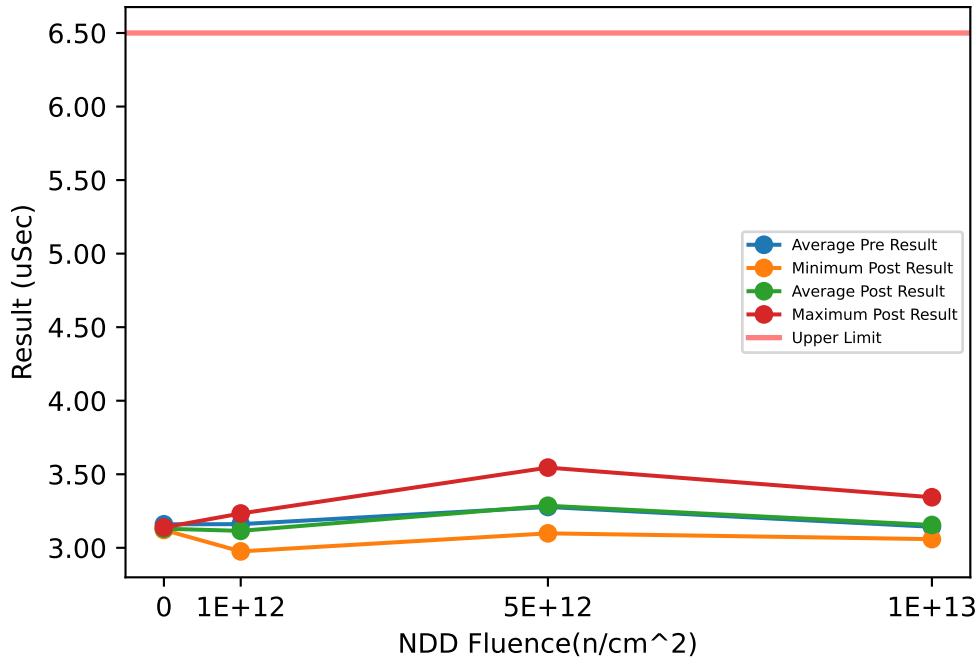


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0878	3.1379	3.1879	0.070781	3.097	3.1887	3.2805	0.12975	-0.0909	0.0509	0.1927	0.20054
1e+12	3.1559	3.1926	3.2396	0.036751	3.0081	3.1737	3.2684	0.12019	-0.1943	-0.018975	0.1125	0.12827
5e+12	3.1966	3.2499	3.3267	0.057713	2.8506	3.1758	3.3698	0.24139	-0.3654	-0.074025	0.1732	0.24915
1e+13	3.0156	3.2255	3.4135	0.2031	2.9227	3.1326	3.2346	0.14481	-0.2347	-0.092925	0.1466	0.17033

Device Test: 17.27 TPD_EN(_DELAY|STEP_UP/EN3/7/3/0/0/0/@TPD_EN)

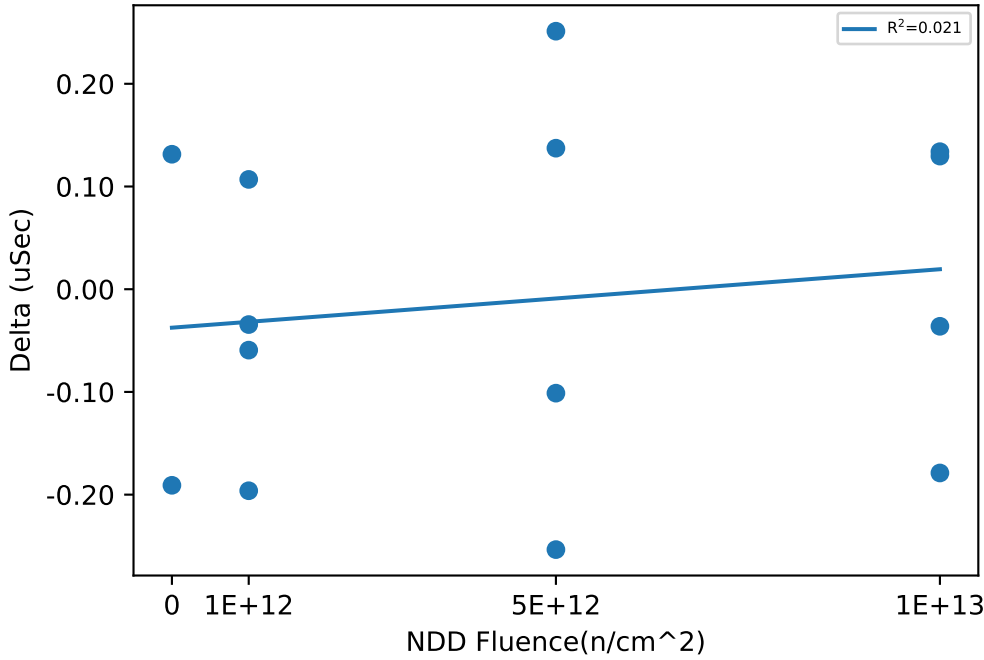
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1331	3.0738	-0.0593
2	1e+12	NDD Unbiased	3.2678	3.2334	-0.0344
3	1e+12	NDD Unbiased	3.071	3.1779	0.1069
4	1e+12	NDD Unbiased	3.1718	2.9756	-0.1962
5	5e+12	NDD Unbiased	3.4103	3.1568	-0.2535
6	5e+12	NDD Unbiased	3.2062	3.3435	0.1373
7	5e+12	NDD Unbiased	3.2942	3.5454	0.2512
8	5e+12	NDD Unbiased	3.1995	3.0983	-0.1012
9	1e+13	NDD Unbiased	3.2099	3.3438	0.1339
10	1e+13	NDD Unbiased	3.2687	3.0898	-0.1789
11	1e+13	NDD Unbiased	2.998	3.1276	0.1296
12	1e+13	NDD Unbiased	3.0951	3.059	-0.0361
53	0	Correlation	3.3295	3.1386	-0.1909
54	0	Correlation	2.99	3.1214	0.1314

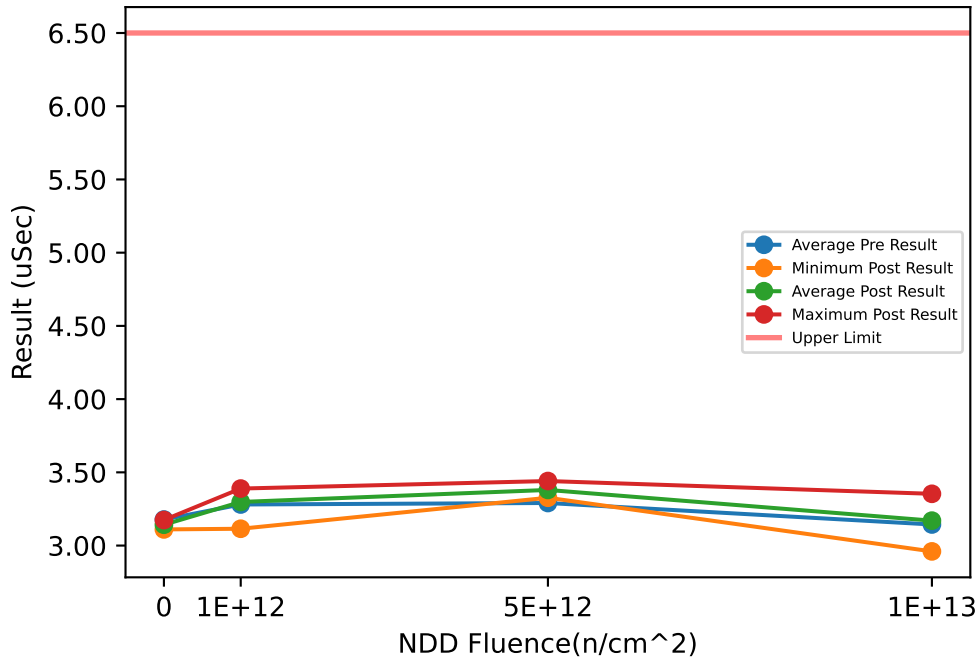
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.99	3.1597	3.3295	0.24006	3.1214	3.13	3.1386	0.012162	-0.1909	-0.02975	0.1314	0.2279
1e+12	3.071	3.1609	3.2678	0.082465	2.9756	3.1152	3.2334	0.11417	-0.1962	-0.04575	0.1069	0.12416
5e+12	3.1995	3.2775	3.4103	0.098459	3.0983	3.286	3.5454	0.20209	-0.2535	0.00845	0.2512	0.22816
1e+13	2.998	3.1429	3.2687	0.12055	3.059	3.1551	3.3438	0.12892	-0.1789	0.012125	0.1339	0.14994

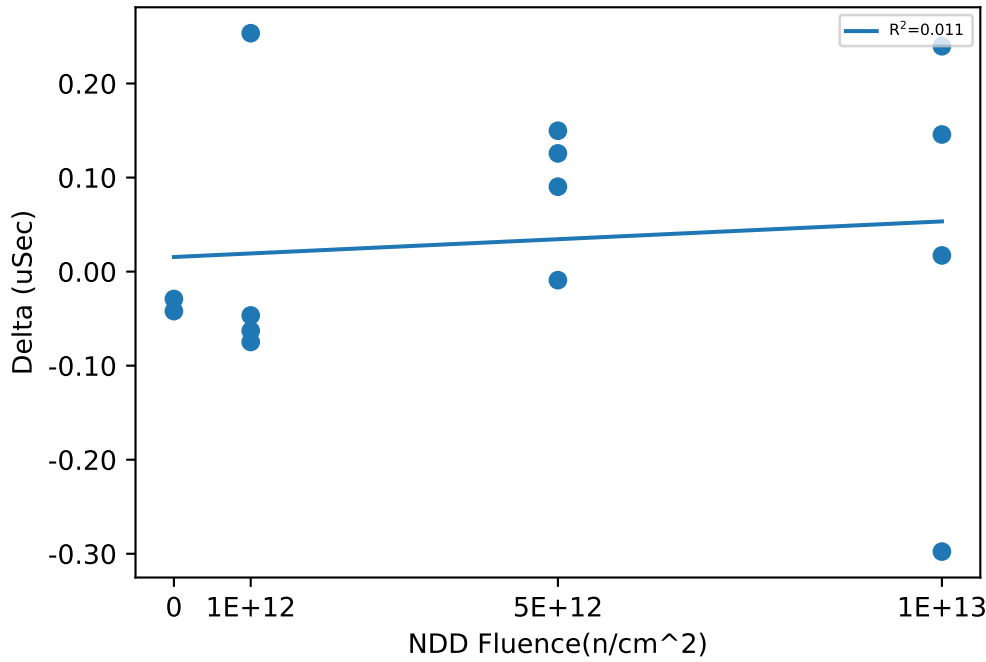
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3929	3.3181	-0.0748
2	1e+12	NDD Unbiased	3.1777	3.1148	-0.0629
3	1e+12	NDD Unbiased	3.4155	3.3689	-0.0466
4	1e+12	NDD Unbiased	3.1358	3.3893	0.2535
5	5e+12	NDD Unbiased	3.2362	3.3265	0.0903
6	5e+12	NDD Unbiased	3.4311	3.422	-0.0091
7	5e+12	NDD Unbiased	3.2044	3.3301	0.1257
8	5e+12	NDD Unbiased	3.2909	3.4407	0.1498
9	1e+13	NDD Unbiased	3.1138	3.3534	0.2396
10	1e+13	NDD Unbiased	3.0645	3.2103	0.1458
11	1e+13	NDD Unbiased	3.1397	3.1569	0.0172
12	1e+13	NDD Unbiased	3.2579	2.9602	-0.2977
53	0	Correlation	3.2164	3.1744	-0.042
54	0	Correlation	3.1394	3.1103	-0.0291

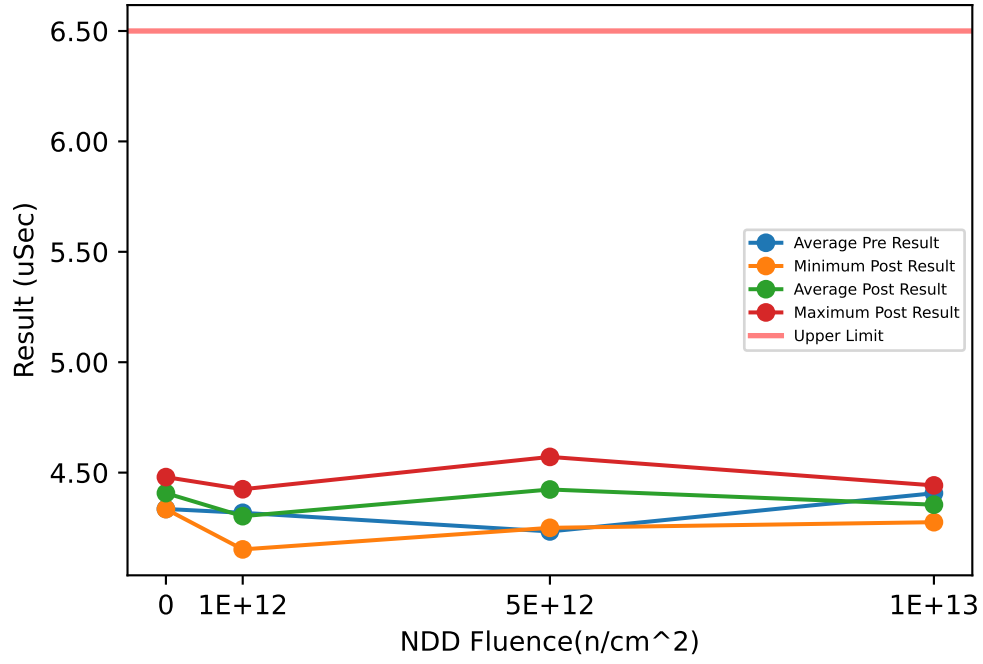
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1394	3.1779	3.2164	0.054447	3.1103	3.1423	3.1744	0.045326	-0.042	-0.03555	-0.0291	0.0091217
1e+12	3.1358	3.2805	3.4155	0.14418	3.1148	3.2978	3.3893	0.1256	-0.0748	0.0173	0.2535	0.15789
5e+12	3.2044	3.2907	3.4311	0.10022	3.3265	3.3798	3.4407	0.060002	-0.0091	0.089175	0.1498	0.069925
1e+13	3.0645	3.144	3.2579	0.082106	2.9602	3.1702	3.3534	0.16273	-0.2977	0.026225	0.2396	0.2344

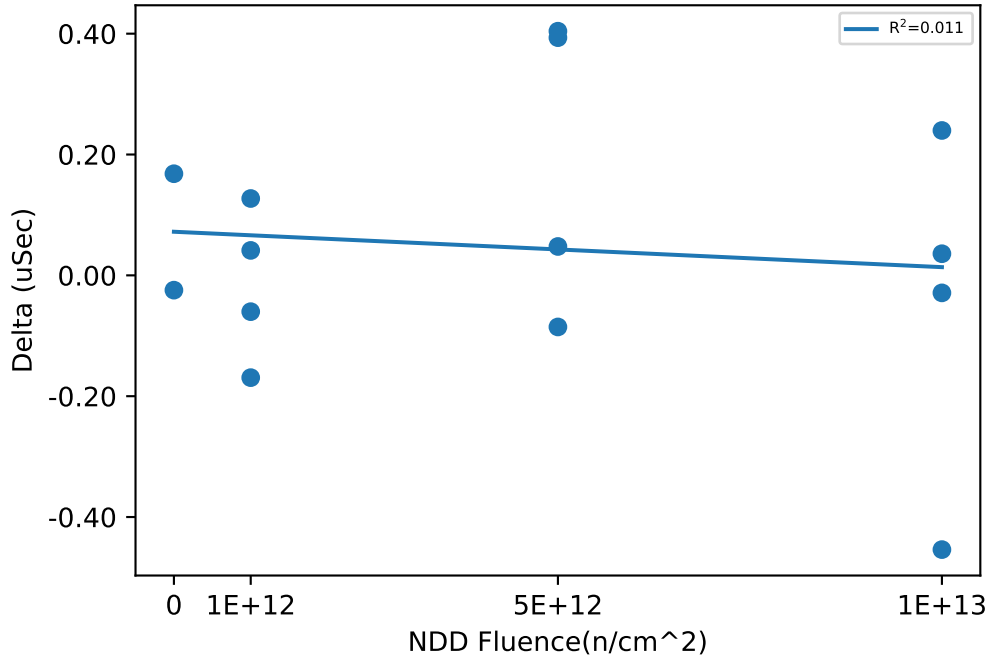
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.1896	4.3168	0.1272
2	1e+12	NDD Unbiased	4.4848	4.4247	-0.0601
3	1e+12	NDD Unbiased	4.2761	4.3174	0.0413
4	1e+12	NDD Unbiased	4.3216	4.1523	-0.1693
5	5e+12	NDD Unbiased	4.0863	4.4904	0.4041
6	5e+12	NDD Unbiased	4.2022	4.25	0.0478
7	5e+12	NDD Unbiased	4.1778	4.5712	0.3934
8	5e+12	NDD Unbiased	4.4682	4.3828	-0.0854
9	1e+13	NDD Unbiased	4.7294	4.2755	-0.4539
10	1e+13	NDD Unbiased	4.2023	4.4421	0.2398
11	1e+13	NDD Unbiased	4.3621	4.3979	0.0358
12	1e+13	NDD Unbiased	4.3327	4.3037	-0.029
53	0	Correlation	4.3115	4.4797	0.1682
54	0	Correlation	4.3592	4.3347	-0.0245

NDD vs Post - Pre Exposure Delta

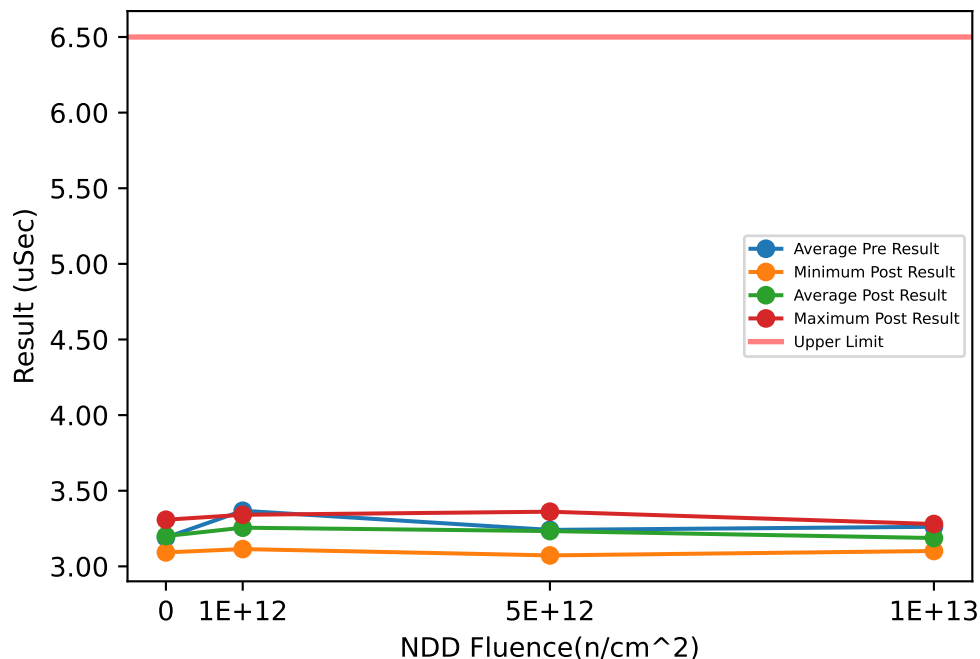


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.3115	4.3354	4.3592	0.033729	4.3347	4.4072	4.4797	0.10253	-0.0245	0.07185	0.1682	0.13626
1e+12	4.1896	4.318	4.4848	0.12393	4.1523	4.3028	4.4247	0.11243	-0.1693	-0.015225	0.1272	0.12811
5e+12	4.0863	4.2336	4.4682	0.16415	4.25	4.4236	4.5712	0.1391	-0.0854	0.18997	0.4041	0.24717
1e+13	4.2023	4.4066	4.7294	0.22611	4.2755	4.3548	4.4421	0.07827	-0.4539	-0.051825	0.2398	0.2915

Device Test: 17.3 TPD_EN(_DELAY|STEP_UP/EN3/1.6/3/0/0/0/@TPD_EN)

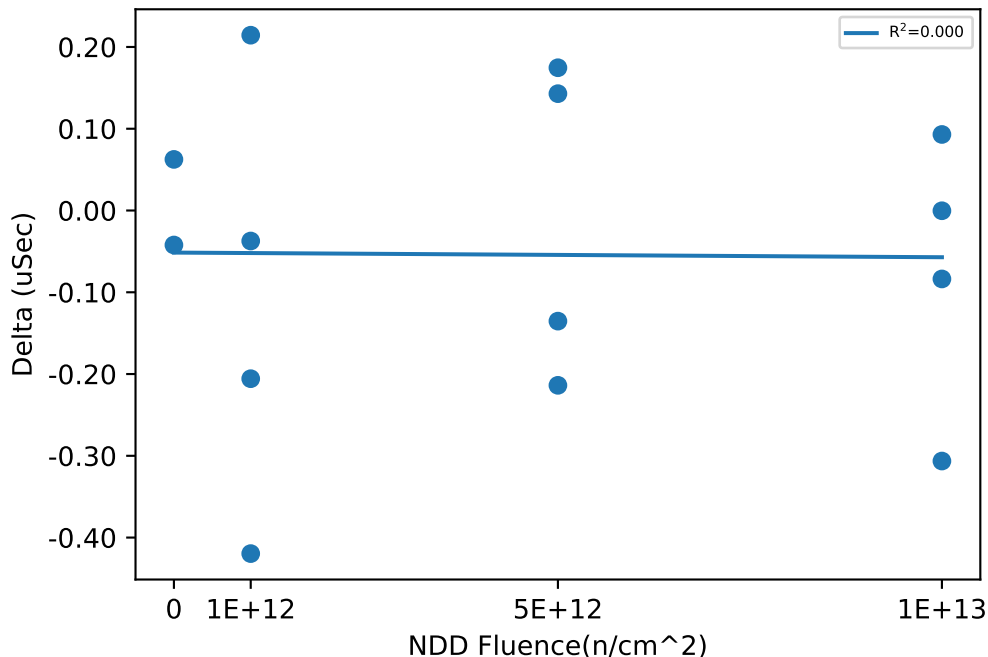
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.685	3.2654	-0.4196
2	1e+12	NDD Unbiased	3.32	3.1143	-0.2057
3	1e+12	NDD Unbiased	3.3392	3.3019	-0.0373
4	1e+12	NDD Unbiased	3.1266	3.341	0.2144
5	5e+12	NDD Unbiased	3.1959	3.3388	0.1429
6	5e+12	NDD Unbiased	3.3745	3.1607	-0.2138
7	5e+12	NDD Unbiased	3.2078	3.0725	-0.1353
8	5e+12	NDD Unbiased	3.1868	3.3614	0.1746
9	1e+13	NDD Unbiased	3.448	3.1416	-0.3064
10	1e+13	NDD Unbiased	3.2803	3.28	-0.0003
11	1e+13	NDD Unbiased	3.1329	3.2259	0.093
12	1e+13	NDD Unbiased	3.1853	3.1016	-0.0837
53	0	Correlation	3.2458	3.3083	0.0625
54	0	Correlation	3.1346	3.0924	-0.0422

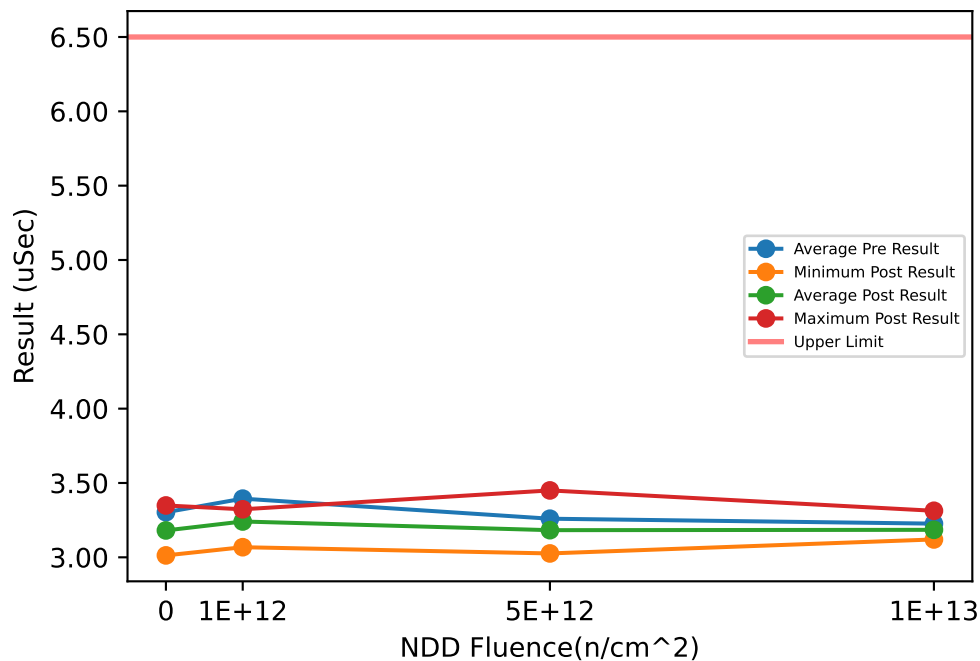
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1346	3.1902	3.2458	0.07863	3.0924	3.2004	3.3083	0.15266	-0.0422	0.01015	0.0625	0.074034
1e+12	3.1266	3.3677	3.685	0.2323	3.1143	3.2557	3.341	0.099161	-0.4196	-0.11205	0.2144	0.26803
5e+12	3.1868	3.2412	3.3745	0.089249	3.0725	3.2333	3.3614	0.13984	-0.2138	-0.0079	0.1746	0.19551
1e+13	3.1329	3.2616	3.448	0.13842	3.1016	3.1873	3.28	0.080656	-0.3064	-0.07435	0.093	0.17071

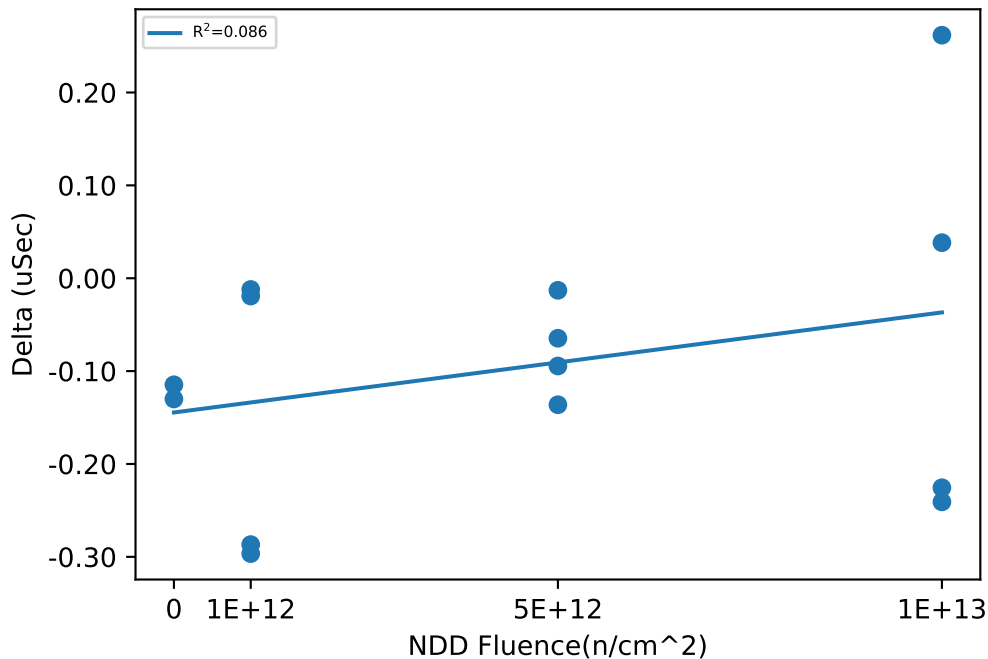
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.5968	3.3003	-0.2965
2	1e+12	NDD Unbiased	3.3422	3.323	-0.0192
3	1e+12	NDD Unbiased	3.3548	3.068	-0.2868
4	1e+12	NDD Unbiased	3.2848	3.2727	-0.0121
5	5e+12	NDD Unbiased	3.1572	3.1442	-0.013
6	5e+12	NDD Unbiased	3.1623	3.0261	-0.1362
7	5e+12	NDD Unbiased	3.1747	3.1101	-0.0646
8	5e+12	NDD Unbiased	3.5445	3.45	-0.0945
9	1e+13	NDD Unbiased	3.3674	3.1266	-0.2408
10	1e+13	NDD Unbiased	3.0513	3.313	0.2617
11	1e+13	NDD Unbiased	3.3458	3.1202	-0.2256
12	1e+13	NDD Unbiased	3.1416	3.1799	0.0383
53	0	Correlation	3.4635	3.3488	-0.1147
54	0	Correlation	3.1429	3.0129	-0.13

NDD vs Post - Pre Exposure Delta

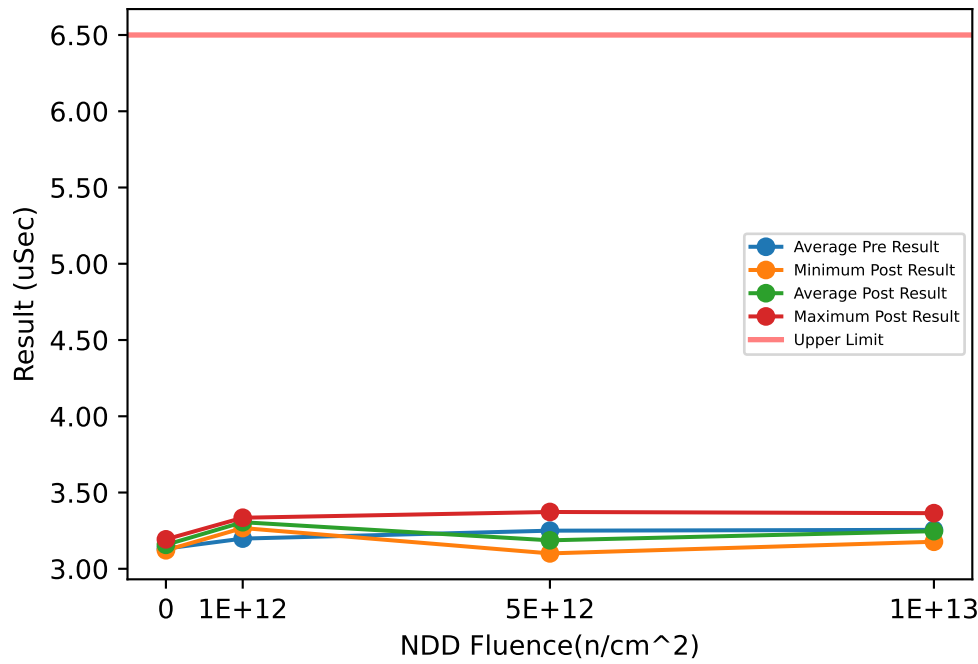


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1429	3.3032	3.4635	0.2267	3.0129	3.1809	3.3488	0.23752	-0.13	-0.12235	-0.1147	0.010819
1e+12	3.2848	3.3946	3.5968	0.13817	3.068	3.241	3.323	0.11715	-0.2965	-0.15365	-0.0121	0.15942
5e+12	3.1572	3.2597	3.5445	0.19003	3.0261	3.1826	3.45	0.18505	-0.1362	-0.077075	-0.013	0.051835
1e+13	3.0513	3.2265	3.3674	0.15491	3.1202	3.1849	3.313	0.089479	-0.2408	-0.0416	0.2617	0.23938

Device Test: 17.31 TPD_EN(_DELAY|STEP_DOWN/EN1/7/3/0/0/0/@TPD_EN)

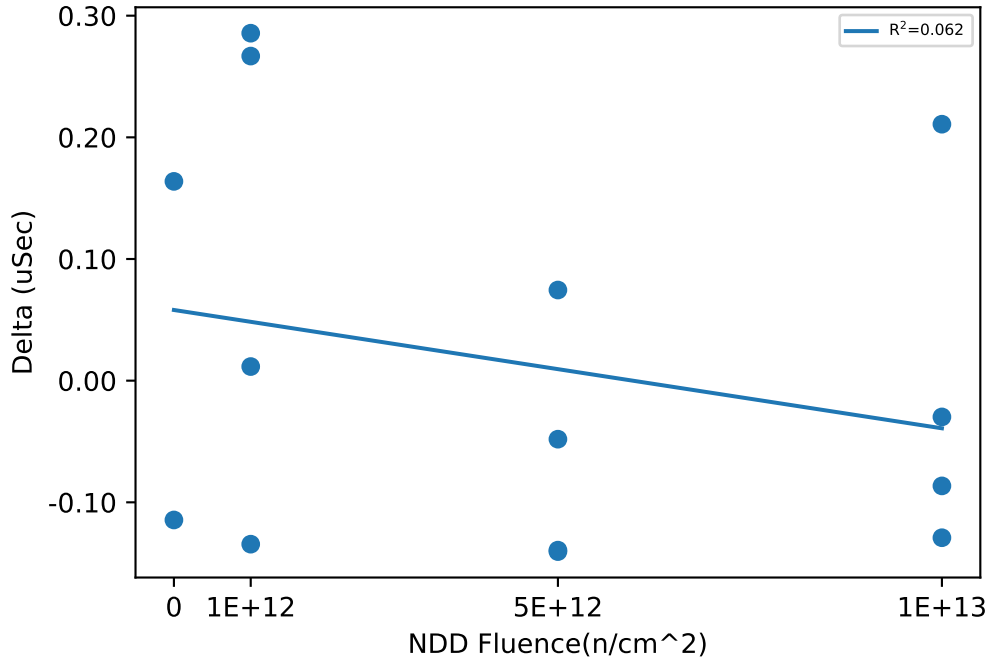
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2556	3.2672	0.0116
2	1e+12	NDD Unbiased	3.4691	3.3347	-0.1344
3	1e+12	NDD Unbiased	3.011	3.2966	0.2856
4	1e+12	NDD Unbiased	3.0562	3.323	0.2668
5	5e+12	NDD Unbiased	3.2768	3.1375	-0.1393
6	5e+12	NDD Unbiased	3.298	3.3725	0.0745
7	5e+12	NDD Unbiased	3.149	3.1009	-0.0481
8	5e+12	NDD Unbiased	3.2759	3.1354	-0.1405
9	1e+13	NDD Unbiased	3.3148	3.1857	-0.1291
10	1e+13	NDD Unbiased	3.3945	3.3647	-0.0298
11	1e+13	NDD Unbiased	3.0485	3.2593	0.2108
12	1e+13	NDD Unbiased	3.2637	3.1772	-0.0865
53	0	Correlation	3.2358	3.1213	-0.1145
54	0	Correlation	3.0293	3.1931	0.1638

NDD vs Post - Pre Exposure Delta

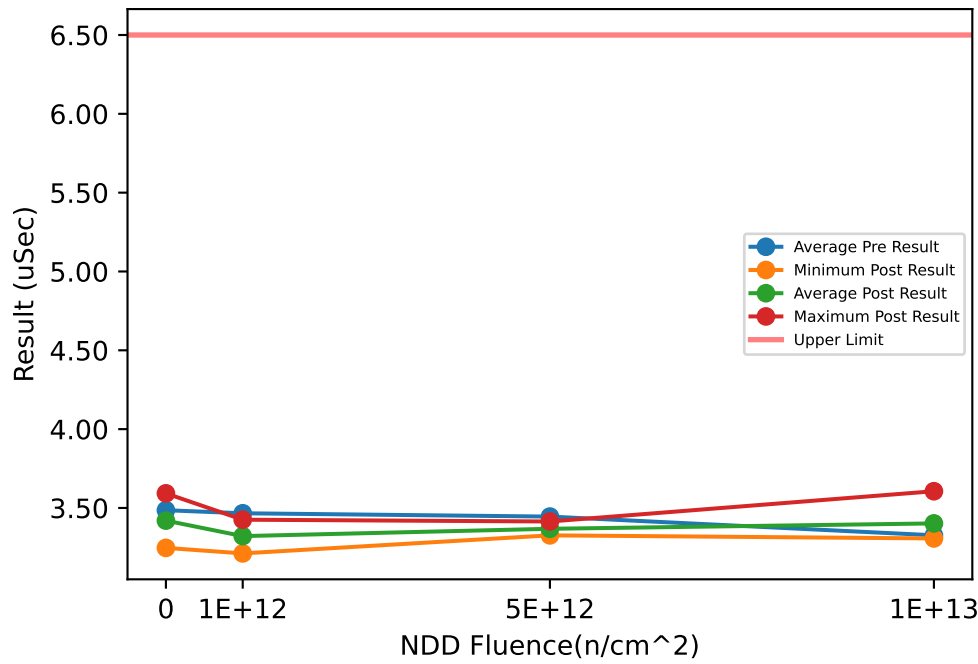


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0293	3.1326	3.2358	0.14602	3.1213	3.1572	3.1931	0.05077	-0.1145	0.02465	0.1638	0.19679
1e+12	3.011	3.198	3.4691	0.20967	3.2672	3.3054	3.3347	0.030027	-0.1344	0.1074	0.2856	0.20397
5e+12	3.149	3.2499	3.298	0.068054	3.1009	3.1866	3.3725	0.12508	-0.1405	-0.06335	0.0745	0.10158
1e+13	3.0485	3.2554	3.3945	0.14805	3.1772	3.2467	3.3647	0.08686	-0.1291	-0.00865	0.2108	0.15185

Device Test: 17.32 TPD_EN(_DELAY|STEP_DOWN/EN2/7/3/0/0/0/@TPD_EN)

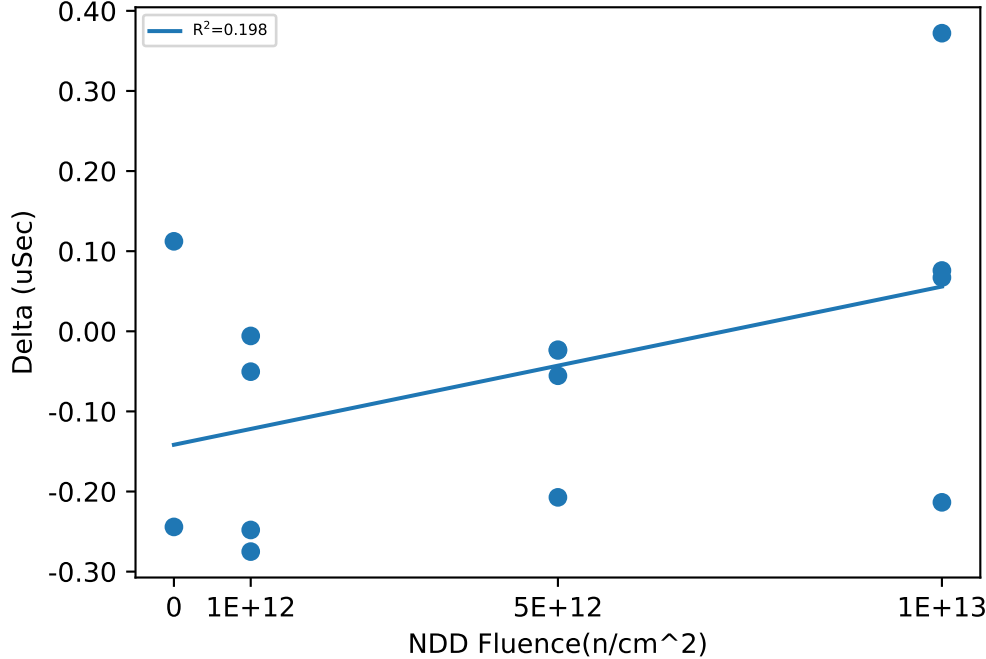
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.6518	3.3768	-0.275
2	1e+12	NDD Unbiased	3.4759	3.4255	-0.0504
3	1e+12	NDD Unbiased	3.2776	3.2718	-0.0058
4	1e+12	NDD Unbiased	3.4598	3.2118	-0.248
5	5e+12	NDD Unbiased	3.5709	3.3636	-0.2073
6	5e+12	NDD Unbiased	3.3493	3.3263	-0.023
7	5e+12	NDD Unbiased	3.3914	3.3675	-0.0239
8	5e+12	NDD Unbiased	3.4697	3.4142	-0.0555
9	1e+13	NDD Unbiased	3.234	3.6061	0.3721
10	1e+13	NDD Unbiased	3.521	3.3075	-0.2135
11	1e+13	NDD Unbiased	3.3206	3.3877	0.0671
12	1e+13	NDD Unbiased	3.2308	3.3067	0.0759
53	0	Correlation	3.4804	3.5927	0.1123
54	0	Correlation	3.491	3.2468	-0.2442

NDD vs Post - Pre Exposure Delta

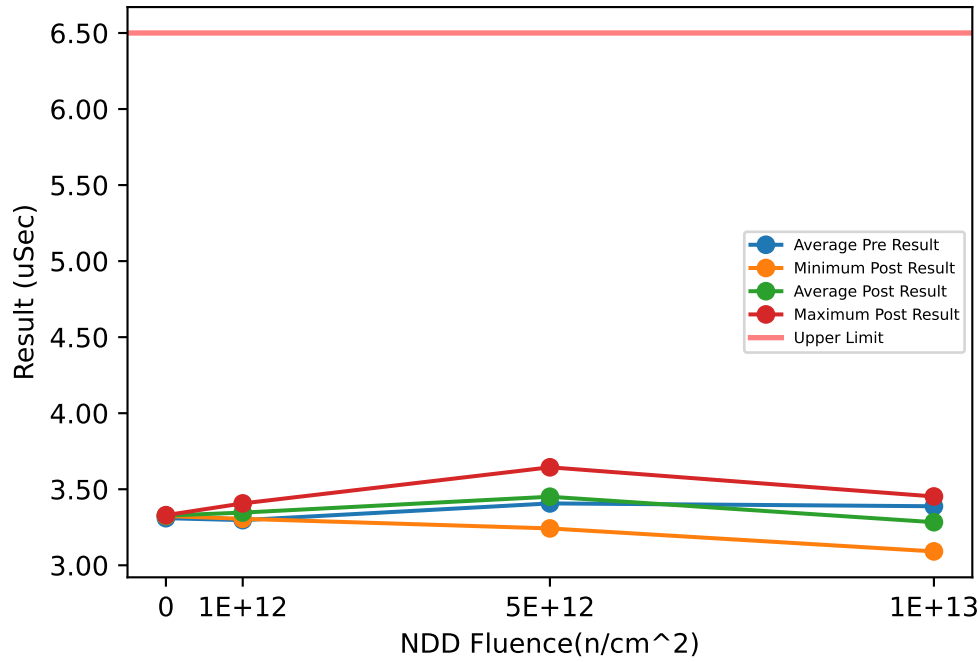


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4804	3.4857	3.491	0.0074953	3.2468	3.4197	3.5927	0.24459	-0.2442	-0.06595	0.1123	0.25208
1e+12	3.2776	3.4663	3.6518	0.15292	3.2118	3.3215	3.4255	0.09726	-0.275	-0.1448	-0.0058	0.13642
5e+12	3.3493	3.4453	3.5709	0.097454	3.3263	3.3679	3.4142	0.036023	-0.2073	-0.077425	-0.023	0.087892
1e+13	3.2308	3.3266	3.521	0.13611	3.3067	3.402	3.6061	0.14127	-0.2135	0.0754	0.3721	0.23914

Device Test: 17.33 TPD_EN(_DELAY|STEP_DOWN/EN3/7/3/0/0/0/@TPD_EN)

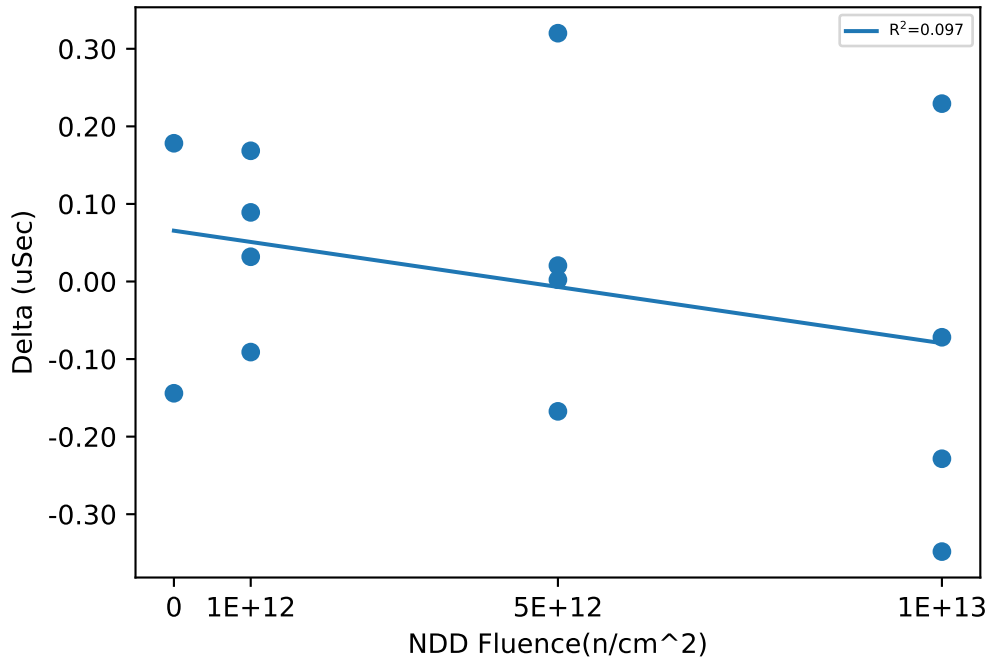
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2497	3.3388	0.0891
2	1e+12	NDD Unbiased	3.2384	3.4069	0.1685
3	1e+12	NDD Unbiased	3.3025	3.3344	0.0319
4	1e+12	NDD Unbiased	3.3965	3.3055	-0.091
5	5e+12	NDD Unbiased	3.3242	3.6443	0.3201
6	5e+12	NDD Unbiased	3.4098	3.2424	-0.1674
7	5e+12	NDD Unbiased	3.4599	3.4622	0.0023
8	5e+12	NDD Unbiased	3.4335	3.454	0.0205
9	1e+13	NDD Unbiased	3.2232	3.4525	0.2293
10	1e+13	NDD Unbiased	3.4395	3.0913	-0.3482
11	1e+13	NDD Unbiased	3.3752	3.3033	-0.0719
12	1e+13	NDD Unbiased	3.5146	3.2861	-0.2285
53	0	Correlation	3.4736	3.3295	-0.1441
54	0	Correlation	3.1459	3.3241	0.1782

NDD vs Post - Pre Exposure Delta

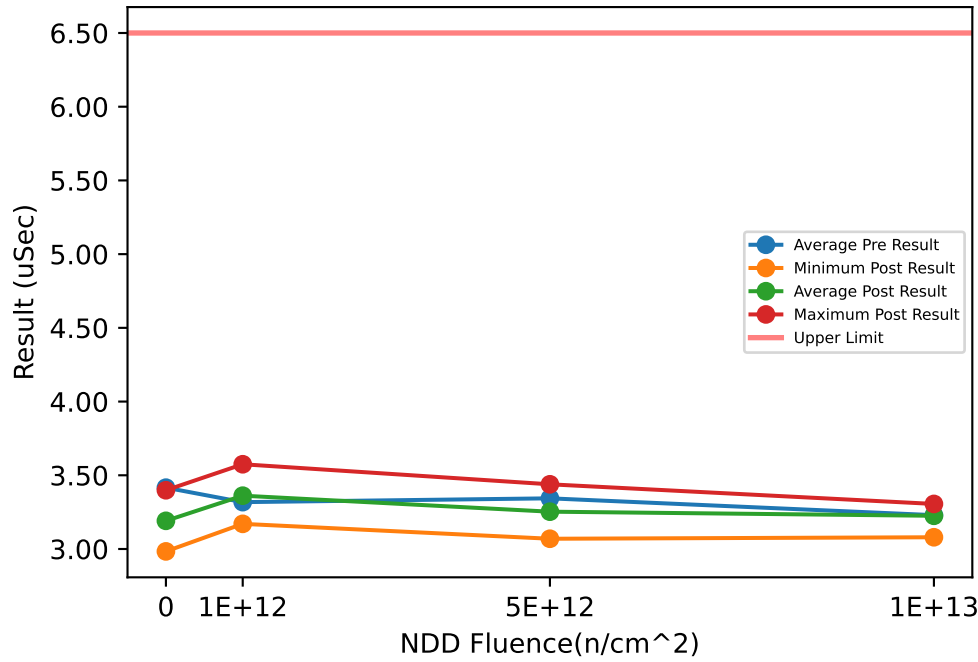


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1459	3.3098	3.4736	0.23172	3.3241	3.3268	3.3295	0.0038184	-0.1441	0.01705	0.1782	0.2279
1e+12	3.2384	3.2968	3.3965	0.072115	3.3055	3.3464	3.4069	0.042953	-0.091	0.049625	0.1685	0.10921
5e+12	3.3242	3.4068	3.4599	0.058777	3.2424	3.4507	3.6443	0.16433	-0.1674	0.043875	0.3201	0.20266
1e+13	3.2232	3.3881	3.5146	0.12383	3.0913	3.2833	3.4525	0.14821	-0.3482	-0.10482	0.2293	0.24983

Device Test: 17.34 TPD_EN(_DELAY|STEP_DOWN/EN4/7/3/0/0/0/@TPD_EN)

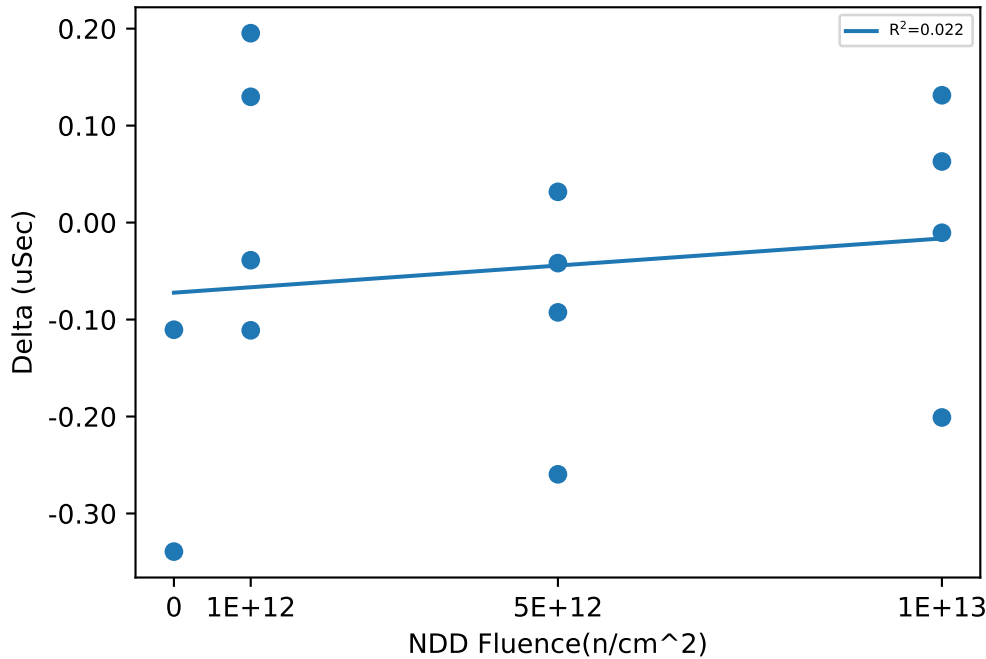
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1967	3.392	0.1953
2	1e+12	NDD Unbiased	3.4451	3.5748	0.1297
3	1e+12	NDD Unbiased	3.2816	3.1705	-0.1111
4	1e+12	NDD Unbiased	3.348	3.3092	-0.0388
5	5e+12	NDD Unbiased	3.3513	3.2587	-0.0926
6	5e+12	NDD Unbiased	3.5049	3.2453	-0.2596
7	5e+12	NDD Unbiased	3.1113	3.0695	-0.0418
8	5e+12	NDD Unbiased	3.4071	3.4388	0.0317
9	1e+13	NDD Unbiased	3.2426	3.3056	0.063
10	1e+13	NDD Unbiased	3.1305	3.2618	0.1313
11	1e+13	NDD Unbiased	3.455	3.254	-0.201
12	1e+13	NDD Unbiased	3.0901	3.0796	-0.0105
53	0	Correlation	3.5089	3.3984	-0.1105
54	0	Correlation	3.323	2.9837	-0.3393

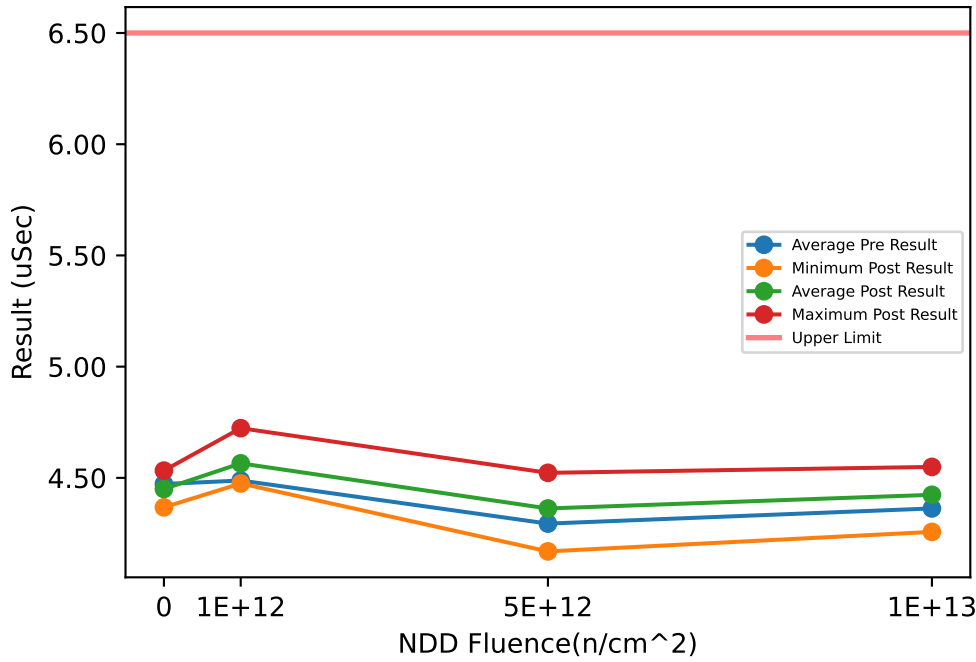
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.323	3.416	3.5089	0.13145	2.9837	3.191	3.3984	0.29324	-0.3393	-0.2249	-0.1105	0.16179
1e+12	3.1967	3.3178	3.4451	0.10503	3.1705	3.3616	3.5748	0.16896	-0.1111	0.043775	0.1953	0.14277
5e+12	3.1113	3.3437	3.5049	0.1674	3.0695	3.2531	3.4388	0.15087	-0.2596	-0.090575	0.0317	0.1237
1e+13	3.0901	3.2296	3.455	0.16356	3.0796	3.2252	3.3056	0.09972	-0.201	-0.0043	0.1313	0.14335

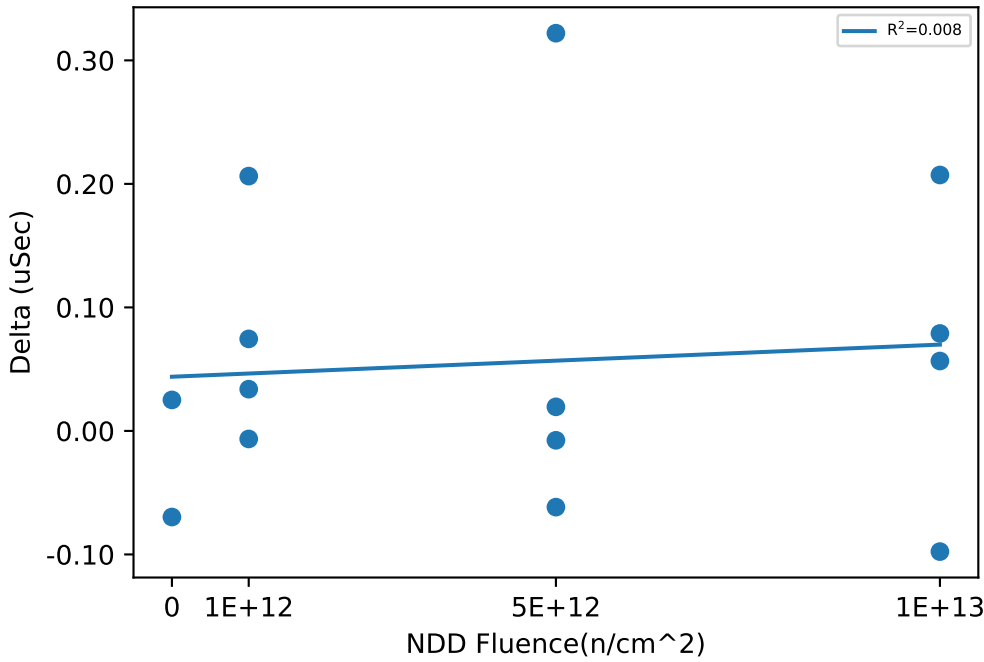
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.5171	4.7234	0.2063
2	1e+12	NDD Unbiased	4.5637	4.5572	-0.0065
3	1e+12	NDD Unbiased	4.4309	4.5054	0.0745
4	1e+12	NDD Unbiased	4.441	4.4748	0.0338
5	5e+12	NDD Unbiased	4.2006	4.5226	0.322
6	5e+12	NDD Unbiased	4.4814	4.4738	-0.0076
7	5e+12	NDD Unbiased	4.2311	4.1694	-0.0617
8	5e+12	NDD Unbiased	4.2643	4.2838	0.0195
9	1e+13	NDD Unbiased	4.342	4.5492	0.2072
10	1e+13	NDD Unbiased	4.5417	4.444	-0.0977
11	1e+13	NDD Unbiased	4.2004	4.257	0.0566
12	1e+13	NDD Unbiased	4.3661	4.445	0.0789
53	0	Correlation	4.6023	4.5326	-0.0697
54	0	Correlation	4.3424	4.3675	0.0251

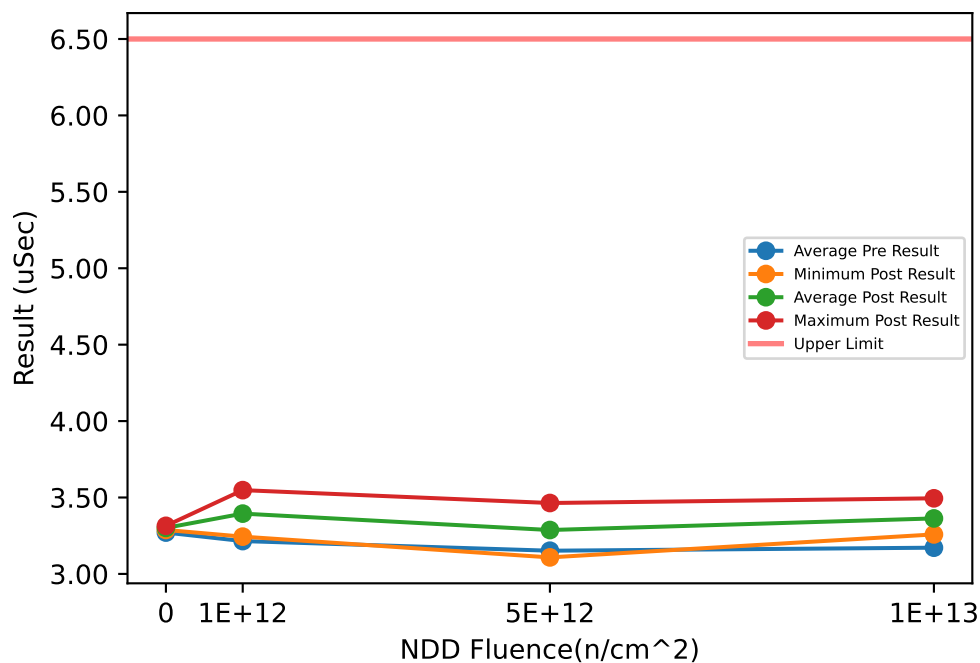
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.3424	4.4723	4.6023	0.18378	4.3675	4.4501	4.5326	0.11674	-0.0697	-0.0223	0.0251	0.067034
1e+12	4.4309	4.4882	4.5637	0.063368	4.4748	4.5652	4.7234	0.11081	-0.0065	0.077025	0.2063	0.09231
5e+12	4.2006	4.2943	4.4814	0.12738	4.1694	4.3624	4.5226	0.16482	-0.0617	0.06805	0.322	0.17263
1e+13	4.2004	4.3625	4.5417	0.14003	4.257	4.4238	4.5492	0.12166	-0.0977	0.06125	0.2072	0.12503

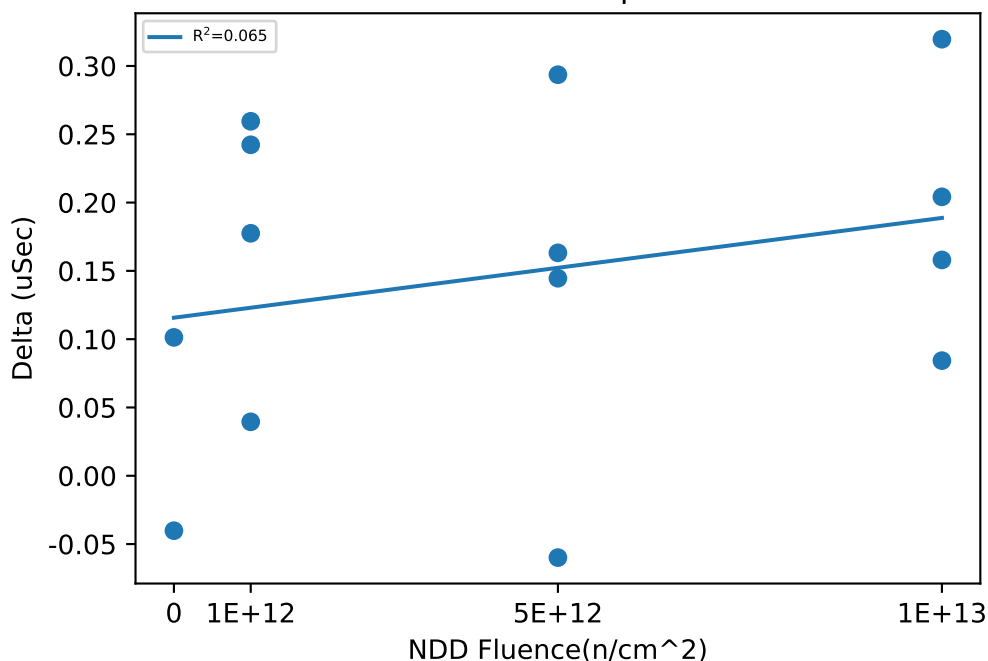
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.4231	3.4626	0.0395
2	1e+12	NDD Unbiased	3.2887	3.5482	0.2595
3	1e+12	NDD Unbiased	3.0814	3.3237	0.2423
4	1e+12	NDD Unbiased	3.0664	3.2439	0.1775
5	5e+12	NDD Unbiased	2.9449	3.1081	0.1632
6	5e+12	NDD Unbiased	3.2938	3.2339	-0.0599
7	5e+12	NDD Unbiased	3.1704	3.464	0.2936
8	5e+12	NDD Unbiased	3.1983	3.3429	0.1446
9	1e+13	NDD Unbiased	3.2134	3.3714	0.158
10	1e+13	NDD Unbiased	3.0543	3.2585	0.2042
11	1e+13	NDD Unbiased	3.2436	3.3279	0.0843
12	1e+13	NDD Unbiased	3.1751	3.4947	0.3196
53	0	Correlation	3.1863	3.2876	0.1013
54	0	Correlation	3.3548	3.3146	-0.0402

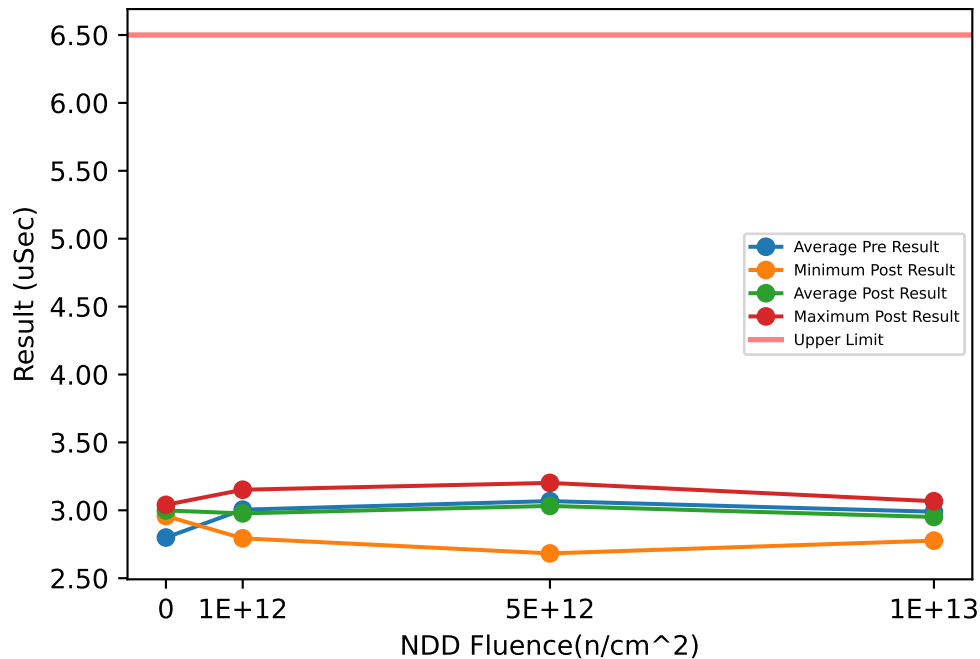
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1863	3.2706	3.3548	0.11915	3.2876	3.3011	3.3146	0.019092	-0.0402	0.03055	0.1013	0.10006
1e+12	3.0664	3.2149	3.4231	0.17192	3.2439	3.3946	3.5482	0.13657	0.0395	0.1797	0.2595	0.099913
5e+12	2.9449	3.1519	3.2938	0.14774	3.1081	3.2872	3.464	0.15196	-0.0599	0.13538	0.2936	0.14609
1e+13	3.0543	3.1716	3.2436	0.083072	3.2585	3.3631	3.4947	0.099277	0.0843	0.19153	0.3196	0.098632

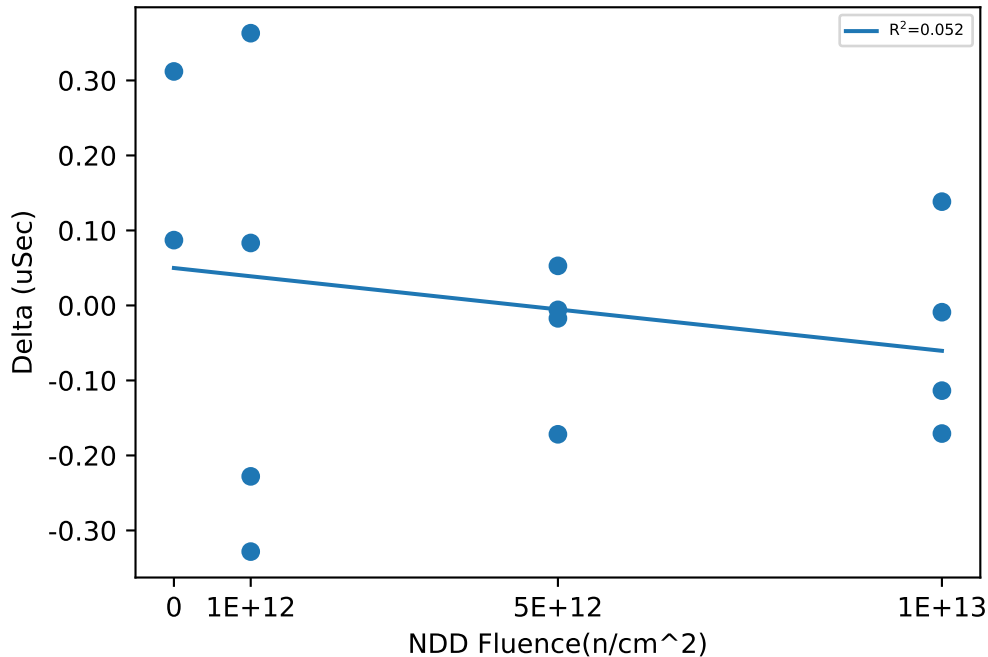
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1219	2.7937	-0.3282
2	1e+12	NDD Unbiased	3.2053	2.9774	-0.2279
3	1e+12	NDD Unbiased	2.7885	3.1515	0.363
4	1e+12	NDD Unbiased	2.9034	2.9867	0.0833
5	5e+12	NDD Unbiased	2.8544	2.6826	-0.1718
6	5e+12	NDD Unbiased	3.1957	3.1785	-0.0172
7	5e+12	NDD Unbiased	3.1489	3.2017	0.0528
8	5e+12	NDD Unbiased	3.0717	3.0658	-0.0059
9	1e+13	NDD Unbiased	2.9474	2.7766	-0.1708
10	1e+13	NDD Unbiased	2.9284	3.0668	0.1384
11	1e+13	NDD Unbiased	3.0145	3.0055	-0.009
12	1e+13	NDD Unbiased	3.0677	2.9541	-0.1136
53	0	Correlation	2.728	3.04	0.312
54	0	Correlation	2.8706	2.9577	0.0871

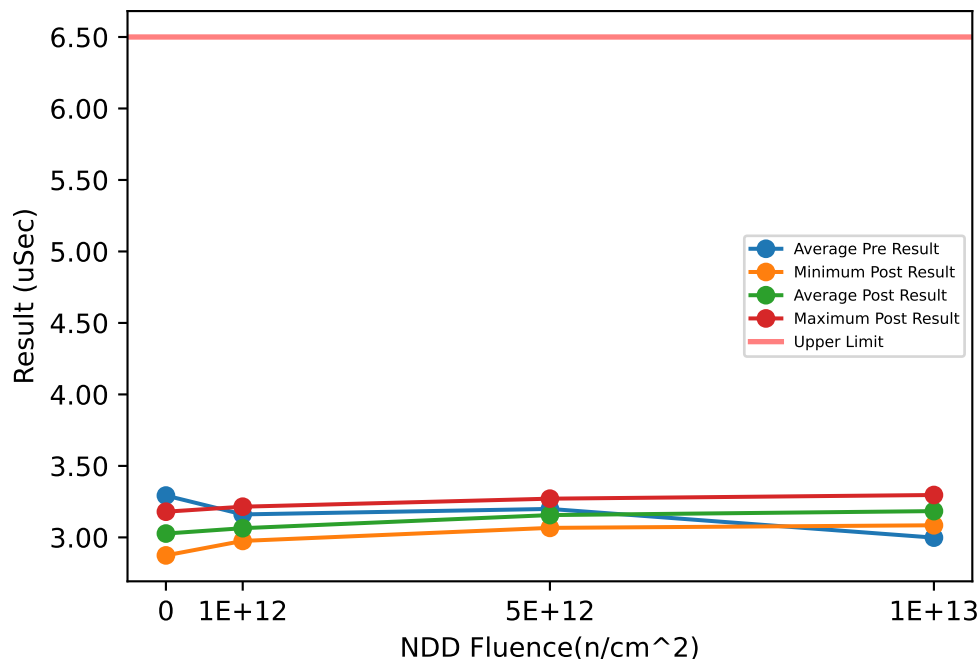
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.728	2.7993	2.8706	0.10083	2.9577	2.9989	3.04	0.058195	0.0871	0.19955	0.312	0.15903
1e+12	2.7885	3.0048	3.2053	0.19234	2.7937	2.9773	3.1515	0.14622	-0.3282	-0.02745	0.363	0.31377
5e+12	2.8544	3.0677	3.1957	0.1511	2.6826	3.0322	3.2017	0.24047	-0.1718	-0.035525	0.0528	0.095892
1e+13	2.9284	2.9895	3.0677	0.06389	2.7766	2.9508	3.0668	0.12491	-0.1708	-0.03875	0.1384	0.13578

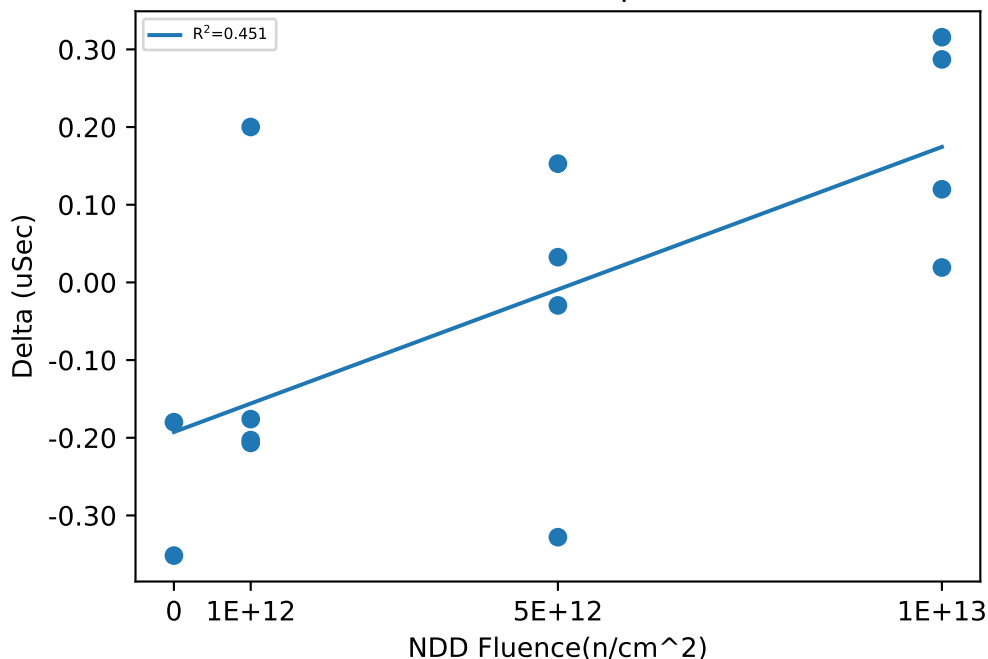
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1783	2.9753	-0.203
2	1e+12	NDD Unbiased	3.0146	3.2147	0.2001
3	1e+12	NDD Unbiased	3.2187	3.0427	-0.176
4	1e+12	NDD Unbiased	3.2313	3.0247	-0.2066
5	5e+12	NDD Unbiased	3.0962	3.0666	-0.0296
6	5e+12	NDD Unbiased	3.4326	3.1046	-0.328
7	5e+12	NDD Unbiased	3.1498	3.1823	0.0325
8	5e+12	NDD Unbiased	3.118	3.2709	0.1529
9	1e+13	NDD Unbiased	2.9509	3.2666	0.3157
10	1e+13	NDD Unbiased	2.9677	3.0876	0.1199
11	1e+13	NDD Unbiased	3.0655	3.0847	0.0192
12	1e+13	NDD Unbiased	3.0094	3.2965	0.2871
53	0	Correlation	3.2258	2.8741	-0.3517
54	0	Correlation	3.3596	3.1797	-0.1799

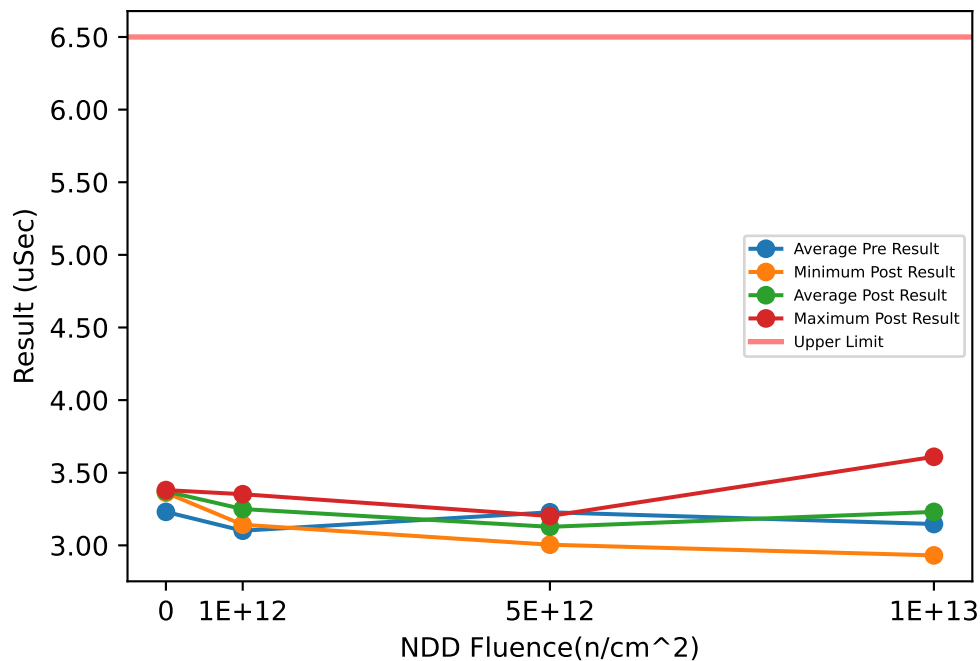
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2258	3.2927	3.3596	0.094611	2.8741	3.0269	3.1797	0.21609	-0.3517	-0.2658	-0.1799	0.12148
1e+12	3.0146	3.1607	3.2313	0.10001	2.9753	3.0644	3.2147	0.1042	-0.2066	-0.096375	0.2001	0.19812
5e+12	3.0962	3.1991	3.4326	0.15718	3.0666	3.1561	3.2709	0.090421	-0.328	-0.04305	0.1529	0.20452
1e+13	2.9509	2.9984	3.0655	0.051063	3.0847	3.1839	3.2965	0.11348	0.0192	0.18548	0.3157	0.14052

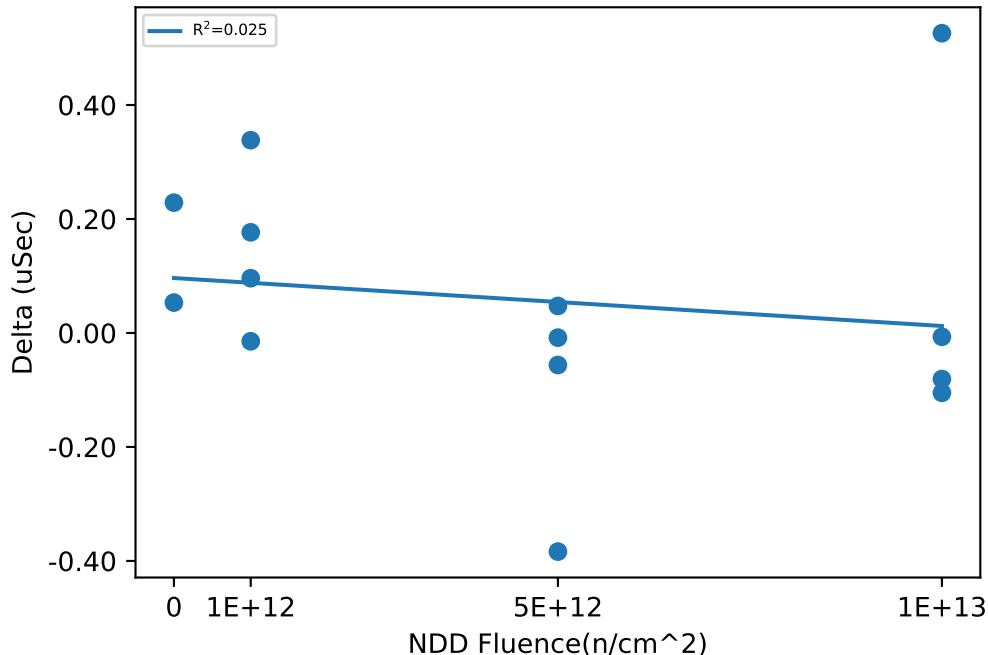
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.0138	3.3521	0.3383
2	1e+12	NDD Unbiased	3.2726	3.258	-0.0146
3	1e+12	NDD Unbiased	2.9652	3.1418	0.1766
4	1e+12	NDD Unbiased	3.1521	3.2482	0.0961
5	5e+12	NDD Unbiased	3.2328	3.1766	-0.0562
6	5e+12	NDD Unbiased	3.3881	3.0045	-0.3836
7	5e+12	NDD Unbiased	3.1546	3.202	0.0474
8	5e+12	NDD Unbiased	3.1358	3.1276	-0.0082
9	1e+13	NDD Unbiased	3.0837	3.6097	0.526
10	1e+13	NDD Unbiased	3.2822	3.2755	-0.0067
11	1e+13	NDD Unbiased	3.2102	3.1052	-0.105
12	1e+13	NDD Unbiased	3.0117	2.9309	-0.0808
53	0	Correlation	3.3273	3.3806	0.0533
54	0	Correlation	3.1338	3.3625	0.2287

NDD vs Post - Pre Exposure Delta

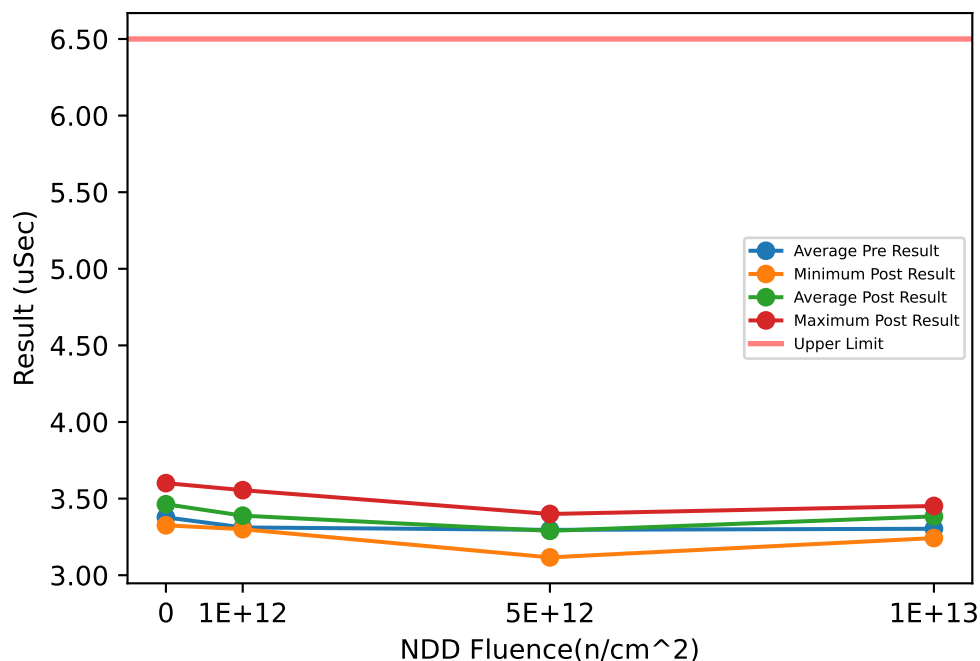


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1338	3.2306	3.3273	0.13683	3.3625	3.3716	3.3806	0.012799	0.0533	0.141	0.2287	0.12403
1e+12	2.9652	3.1009	3.2726	0.13917	3.1418	3.25	3.3521	0.086021	-0.0146	0.1491	0.3383	0.1485
5e+12	3.1358	3.2278	3.3881	0.11481	3.0045	3.1277	3.202	0.087731	-0.3836	-0.10015	0.0474	0.19365
1e+13	3.0117	3.1469	3.2822	0.12191	2.9309	3.2303	3.6097	0.28941	-0.105	0.083375	0.526	0.29803

Device Test: 17.4 TPD_EN(_DELAY|STEP_UP/EN4/1.6/3/0/0/0/@TPD_EN)

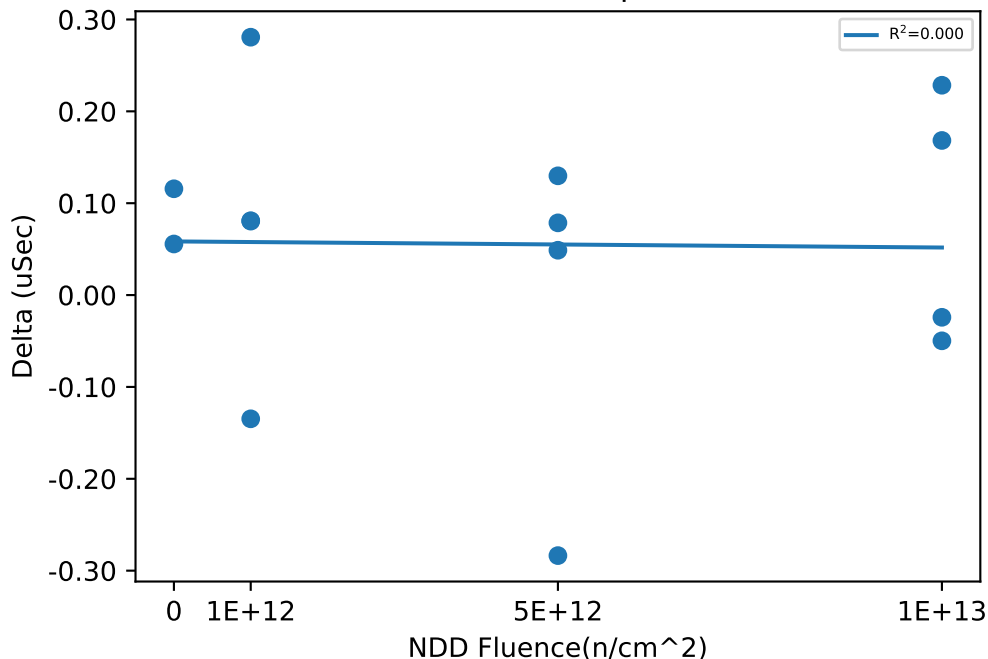
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.4504	3.3157	-0.1347
2	1e+12	NDD Unbiased	3.2193	3.3002	0.0809
3	1e+12	NDD Unbiased	3.2744	3.5551	0.2807
4	1e+12	NDD Unbiased	3.3028	3.3833	0.0805
5	5e+12	NDD Unbiased	3.2265	3.3051	0.0786
6	5e+12	NDD Unbiased	3.207	3.3368	0.1298
7	5e+12	NDD Unbiased	3.3508	3.3996	0.0488
8	5e+12	NDD Unbiased	3.3998	3.1162	-0.2836
9	1e+13	NDD Unbiased	3.487	3.4372	-0.0498
10	1e+13	NDD Unbiased	3.2836	3.4519	0.1683
11	1e+13	NDD Unbiased	3.1751	3.4035	0.2284
12	1e+13	NDD Unbiased	3.2666	3.2424	-0.0242
53	0	Correlation	3.2699	3.3255	0.0556
54	0	Correlation	3.4853	3.601	0.1157

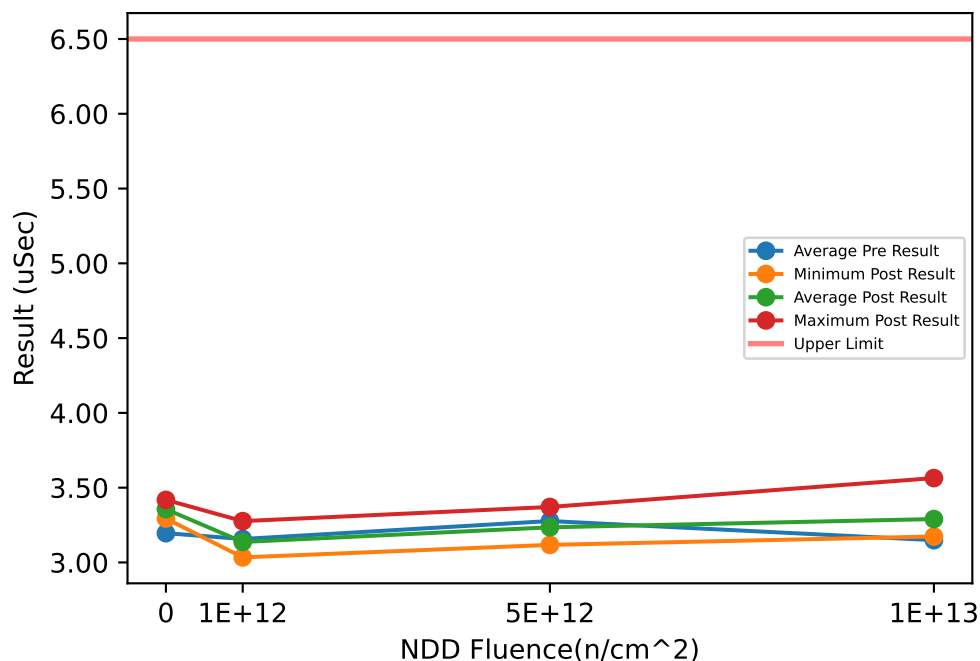
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2699	3.3776	3.4853	0.15231	3.3255	3.4632	3.601	0.19481	0.0556	0.08565	0.1157	0.042497
1e+12	3.2193	3.3117	3.4504	0.098735	3.3002	3.3886	3.5551	0.11673	-0.1347	0.07685	0.2807	0.16964
5e+12	3.207	3.296	3.3998	0.094037	3.1162	3.2894	3.3996	0.12198	-0.2836	-0.0066	0.1298	0.18767
1e+13	3.1751	3.3031	3.487	0.13155	3.2424	3.3838	3.4519	0.096387	-0.0498	0.080675	0.2284	0.13847

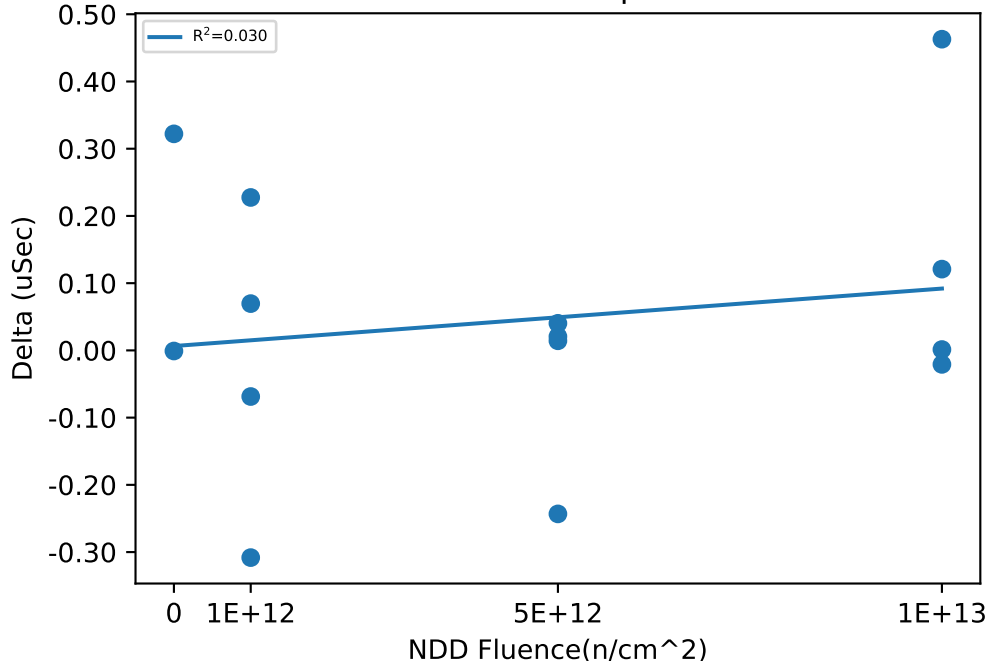
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.342	3.0338	-0.3082
2	1e+12	NDD Unbiased	3.1563	3.0877	-0.0686
3	1e+12	NDD Unbiased	3.2067	3.2763	0.0696
4	1e+12	NDD Unbiased	2.9225	3.15	0.2275
5	5e+12	NDD Unbiased	3.2329	3.2535	0.0206
6	5e+12	NDD Unbiased	3.1575	3.1978	0.0403
7	5e+12	NDD Unbiased	3.3567	3.371	0.0143
8	5e+12	NDD Unbiased	3.3607	3.1175	-0.2432
9	1e+13	NDD Unbiased	3.1012	3.5641	0.4629
10	1e+13	NDD Unbiased	3.2253	3.2266	0.0013
11	1e+13	NDD Unbiased	3.0527	3.1736	0.1209
12	1e+13	NDD Unbiased	3.217	3.1962	-0.0208
53	0	Correlation	3.0963	3.4184	0.3221
54	0	Correlation	3.2949	3.294	-0.0009

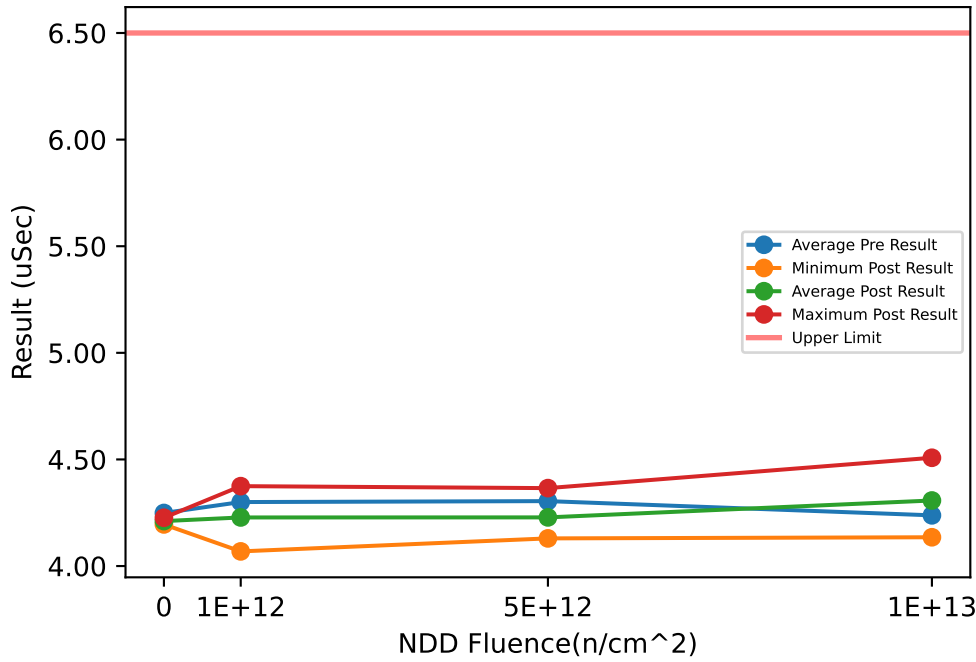
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0963	3.1956	3.2949	0.14043	3.294	3.3562	3.4184	0.087964	-0.0009	0.1606	0.3221	0.2284
1e+12	2.9225	3.1569	3.342	0.17482	3.0338	3.1369	3.2763	0.10433	-0.3082	-0.019925	0.2275	0.22709
5e+12	3.1575	3.277	3.3607	0.099302	3.1175	3.2349	3.371	0.1065	-0.2432	-0.042	0.0403	0.13459
1e+13	3.0527	3.149	3.2253	0.085643	3.1736	3.2901	3.5641	0.18394	-0.0208	0.14107	0.4629	0.2234

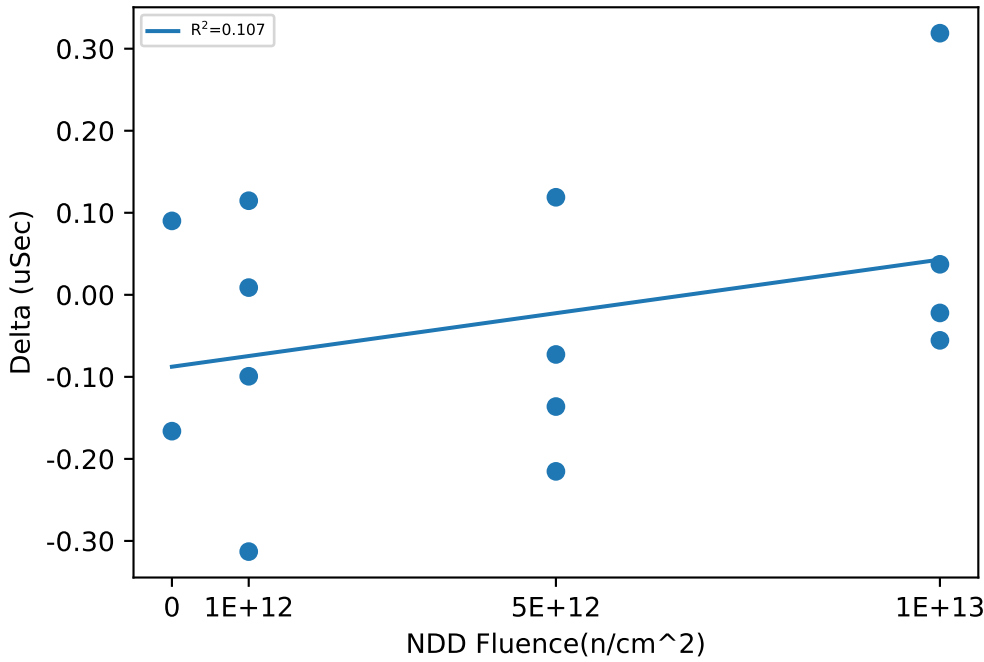
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.3609	4.2616	-0.0993
2	1e+12	NDD Unbiased	4.3659	4.3747	0.0088
3	1e+12	NDD Unbiased	4.3817	4.0687	-0.313
4	1e+12	NDD Unbiased	4.0919	4.2066	0.1147
5	5e+12	NDD Unbiased	4.2401	4.1674	-0.0727
6	5e+12	NDD Unbiased	4.2466	4.3655	0.1189
7	5e+12	NDD Unbiased	4.3864	4.2502	-0.1362
8	5e+12	NDD Unbiased	4.3449	4.1297	-0.2152
9	1e+13	NDD Unbiased	4.1889	4.5078	0.3189
10	1e+13	NDD Unbiased	4.3351	4.2796	-0.0555
11	1e+13	NDD Unbiased	4.0978	4.135	0.0372
12	1e+13	NDD Unbiased	4.3295	4.3074	-0.0221
53	0	Correlation	4.3614	4.1952	-0.1662
54	0	Correlation	4.1364	4.2265	0.0901

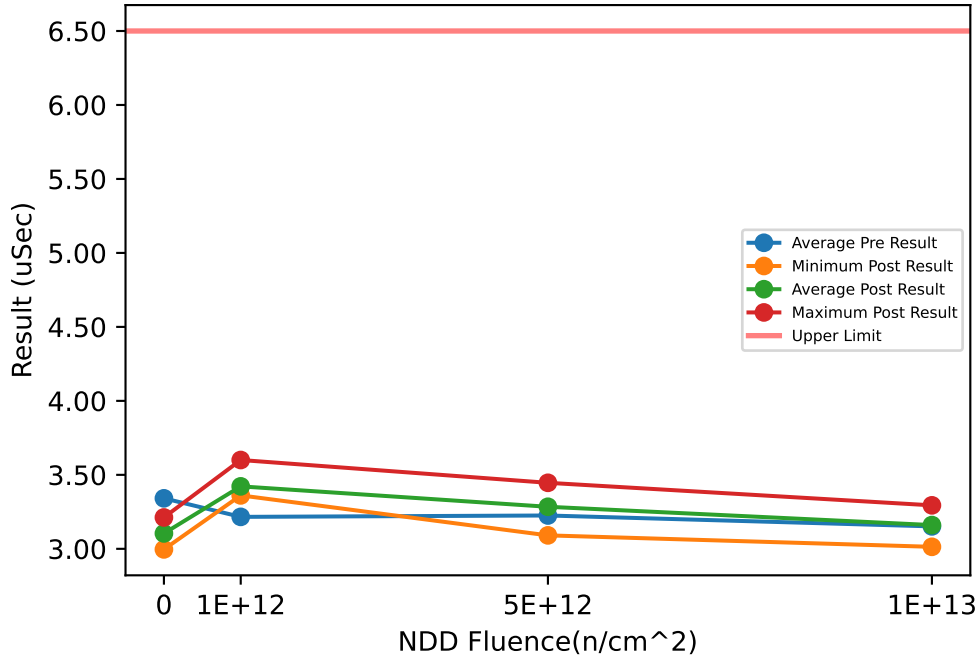
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1364	4.2489	4.3614	0.1591	4.1952	4.2108	4.2265	0.022132	-0.1662	-0.03805	0.0901	0.18123
1e+12	4.0919	4.3001	4.3817	0.13908	4.0687	4.2279	4.3747	0.12713	-0.313	-0.0722	0.1147	0.18277
5e+12	4.2401	4.3045	4.3864	0.072663	4.1297	4.2282	4.3655	0.10446	-0.2152	-0.0763	0.1189	0.14259
1e+13	4.0978	4.2378	4.3351	0.11528	4.135	4.3075	4.5078	0.15347	-0.0555	0.069625	0.3189	0.17055

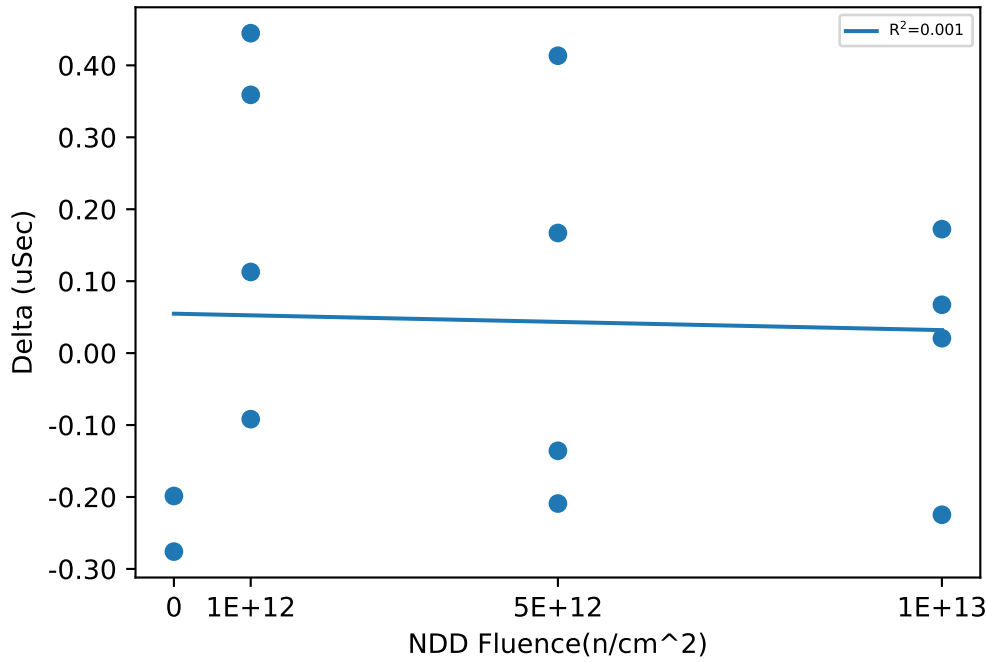
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.1556	3.6003	0.4447
2	1e+12	NDD Unbiased	3.4529	3.3611	-0.0918
3	1e+12	NDD Unbiased	3.2492	3.362	0.1128
4	1e+12	NDD Unbiased	3.0062	3.3652	0.359
5	5e+12	NDD Unbiased	3.3	3.0909	-0.2091
6	5e+12	NDD Unbiased	3.3317	3.1959	-0.1358
7	5e+12	NDD Unbiased	3.0328	3.4462	0.4134
8	5e+12	NDD Unbiased	3.2367	3.4037	0.167
9	1e+13	NDD Unbiased	3.323	3.0983	-0.2247
10	1e+13	NDD Unbiased	3.2158	3.2365	0.0207
11	1e+13	NDD Unbiased	2.9463	3.0135	0.0672
12	1e+13	NDD Unbiased	3.1216	3.2939	0.1723
53	0	Correlation	3.4879	3.212	-0.2759
54	0	Correlation	3.1947	2.9961	-0.1986

NDD vs Post - Pre Exposure Delta

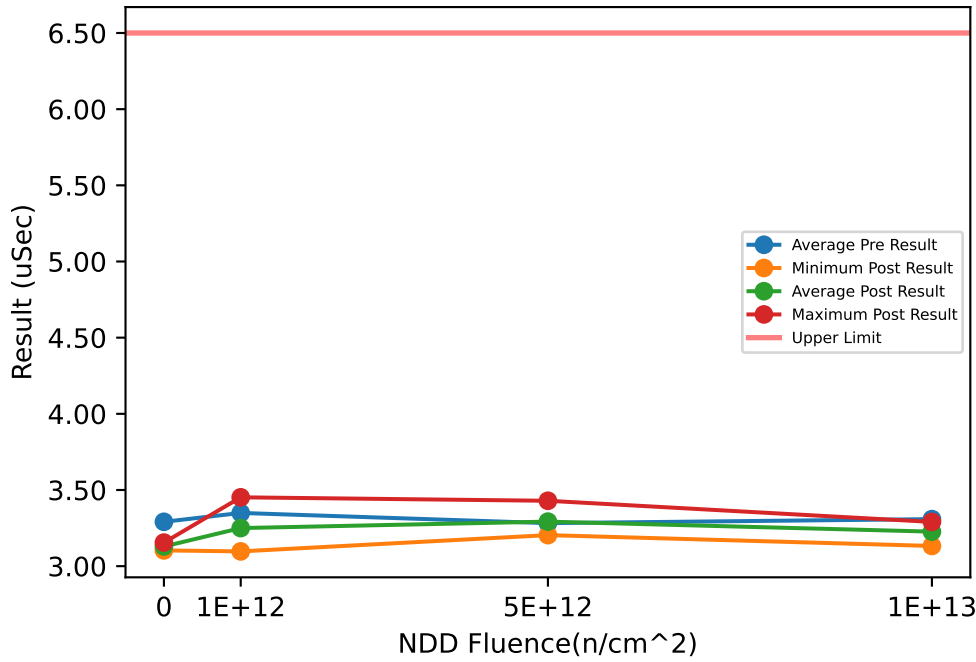


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1947	3.3413	3.4879	0.20732	2.9961	3.104	3.212	0.15266	-0.2759	-0.23725	-0.1986	0.054659
1e+12	3.0062	3.216	3.4529	0.18698	3.3611	3.4222	3.6003	0.11878	-0.0918	0.20617	0.4447	0.24342
5e+12	3.0328	3.2253	3.3317	0.13427	3.0909	3.2842	3.4462	0.169	-0.2091	0.058875	0.4134	0.28699
1e+13	2.9463	3.1517	3.323	0.15974	3.0135	3.1605	3.2939	0.12787	-0.2247	0.008875	0.1723	0.16813

Device Test: 17.43 TPD_EN(_DELAY|STEP_DOWN/EN1/7/14/0/0/0/@TPD_EN)

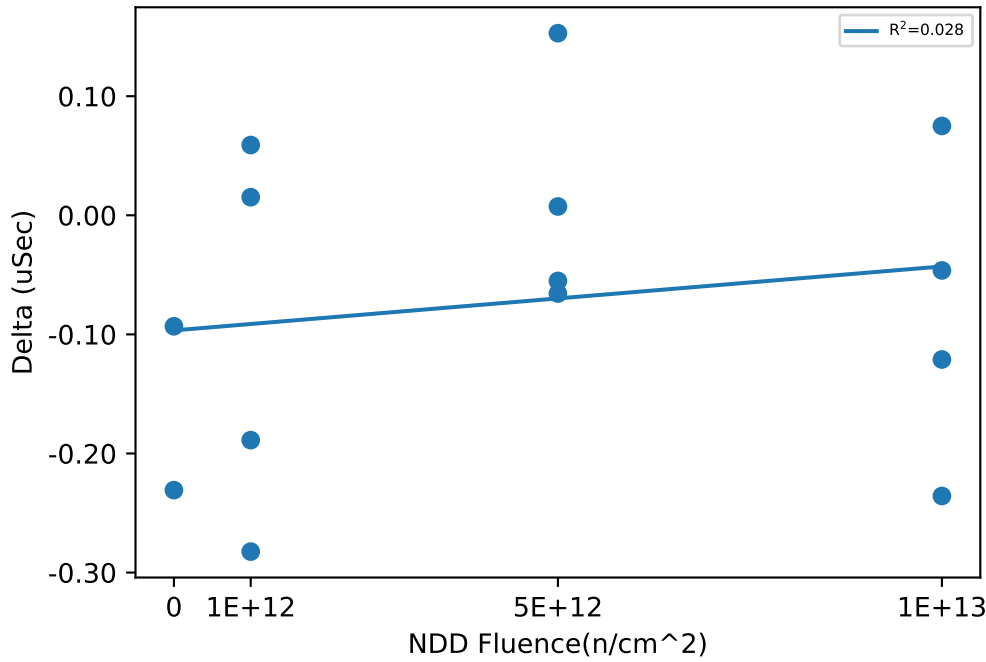
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3918	3.1094	-0.2824
2	1e+12	NDD Unbiased	3.4367	3.4519	0.0152
3	1e+12	NDD Unbiased	3.2857	3.0969	-0.1888
4	1e+12	NDD Unbiased	3.283	3.342	0.059
5	5e+12	NDD Unbiased	3.1963	3.2037	0.0074
6	5e+12	NDD Unbiased	3.1543	3.3072	0.1529
7	5e+12	NDD Unbiased	3.295	3.2293	-0.0657
8	5e+12	NDD Unbiased	3.4843	3.4292	-0.0551
9	1e+13	NDD Unbiased	3.4115	3.2904	-0.1211
10	1e+13	NDD Unbiased	3.1789	3.1326	-0.0463
11	1e+13	NDD Unbiased	3.2149	3.2899	0.075
12	1e+13	NDD Unbiased	3.4295	3.1938	-0.2357
53	0	Correlation	3.3343	3.1035	-0.2308
54	0	Correlation	3.2479	3.1547	-0.0932

NDD vs Post - Pre Exposure Delta

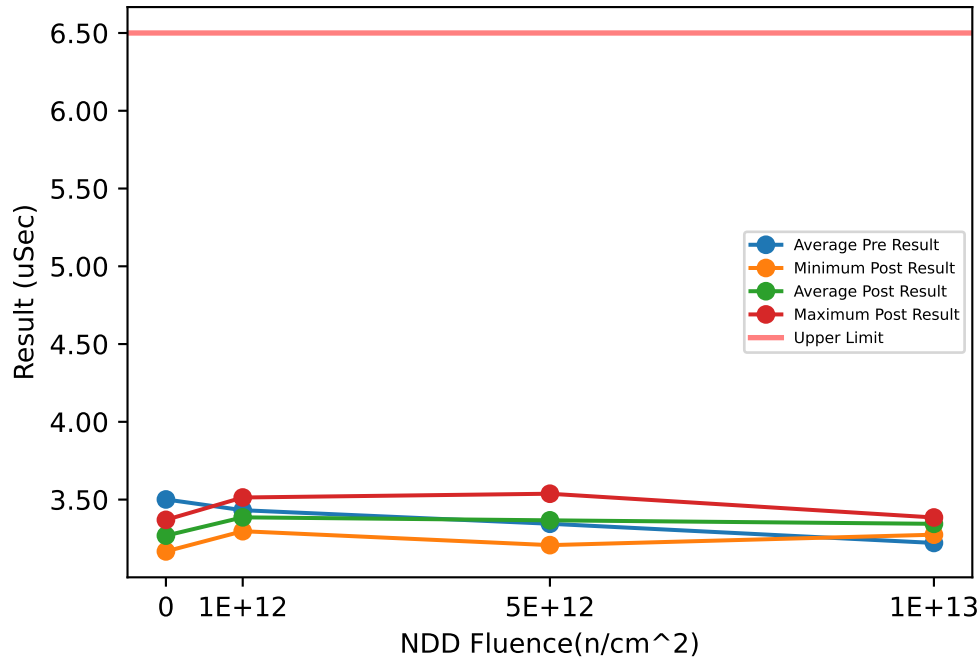


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2479	3.2911	3.3343	0.061094	3.1035	3.1291	3.1547	0.036204	-0.2308	-0.162	-0.0932	0.097298
1e+12	3.283	3.3493	3.4367	0.077213	3.0969	3.25	3.4519	0.17553	-0.2824	-0.09925	0.059	0.163
5e+12	3.1543	3.2825	3.4843	0.14691	3.2037	3.2923	3.4292	0.1013	-0.0657	0.009875	0.1529	0.10066
1e+13	3.1789	3.3087	3.4295	0.13014	3.1326	3.2267	3.2904	0.077436	-0.2357	-0.082025	0.075	0.13048

Device Test: 17.44 TPD_EN(_DELAY|STEP_DOWN/EN2/7/14/0/0/0/@TPD_EN)

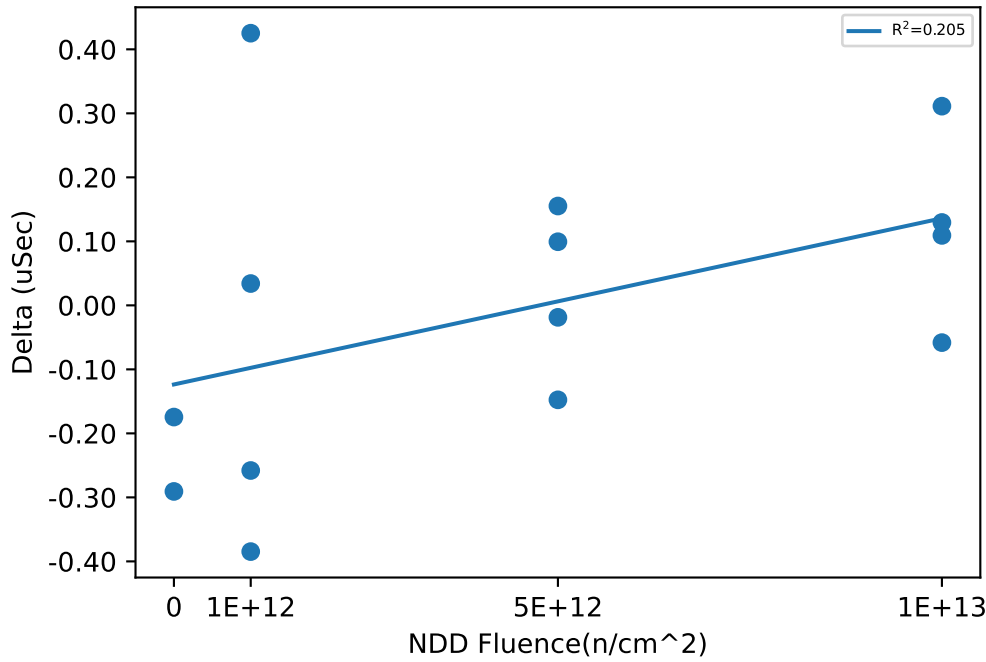
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.5939	3.3359	-0.258
2	1e+12	NDD Unbiased	3.6815	3.2968	-0.3847
3	1e+12	NDD Unbiased	3.0883	3.5135	0.4252
4	1e+12	NDD Unbiased	3.3633	3.3974	0.0341
5	5e+12	NDD Unbiased	3.3548	3.2072	-0.1476
6	5e+12	NDD Unbiased	3.2808	3.2621	-0.0187
7	5e+12	NDD Unbiased	3.3602	3.4596	0.0994
8	5e+12	NDD Unbiased	3.3825	3.5377	0.1552
9	1e+13	NDD Unbiased	3.3325	3.2743	-0.0582
10	1e+13	NDD Unbiased	3.2229	3.3524	0.1295
11	1e+13	NDD Unbiased	3.054	3.3652	0.3112
12	1e+13	NDD Unbiased	3.2756	3.3849	0.1093
53	0	Correlation	3.5442	3.3697	-0.1745
54	0	Correlation	3.4576	3.1669	-0.2907

NDD vs Post - Pre Exposure Delta

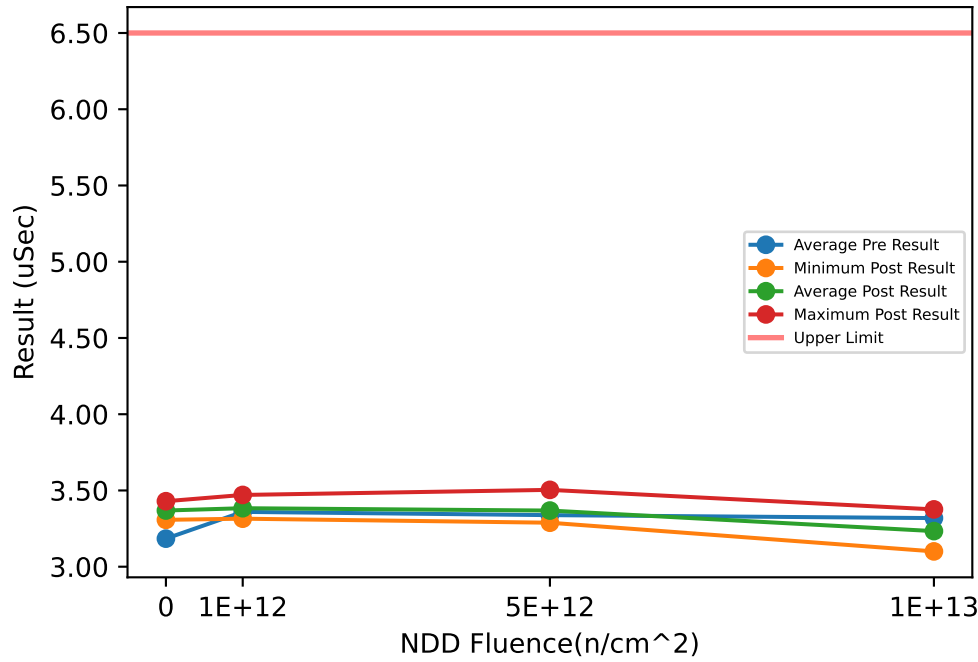


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.4576	3.5009	3.5442	0.061235	3.1669	3.2683	3.3697	0.1434	-0.2907	-0.2326	-0.1745	0.082166
1e+12	3.0883	3.4318	3.6815	0.2654	3.2968	3.3859	3.5135	0.094609	-0.3847	-0.04585	0.4252	0.35968
5e+12	3.2808	3.3446	3.3825	0.044175	3.2072	3.3666	3.5377	0.15732	-0.1476	0.022075	0.1552	0.13435
1e+13	3.054	3.2212	3.3325	0.12015	3.2743	3.3442	3.3849	0.048479	-0.0582	0.12295	0.3112	0.15109

Device Test: 17.45 TPD_EN(_DELAY|STEP_DOWN/EN3/7/14/0/0/0/@TPD_EN)

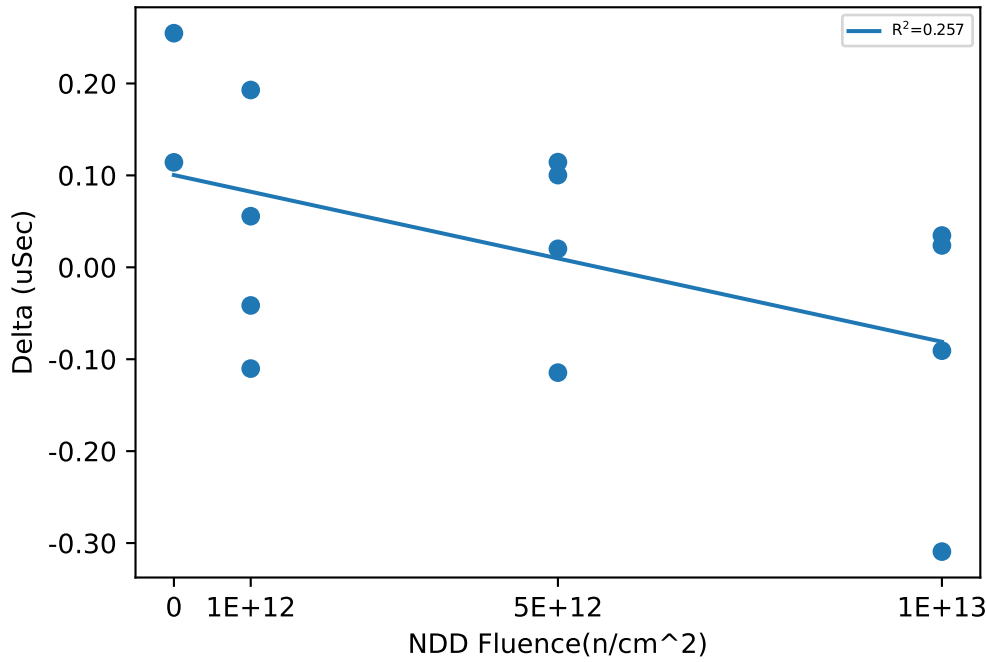
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.5121	3.4706	-0.0415
2	1e+12	NDD Unbiased	3.4461	3.3359	-0.1102
3	1e+12	NDD Unbiased	3.2204	3.4133	0.1929
4	1e+12	NDD Unbiased	3.2593	3.3149	0.0556
5	5e+12	NDD Unbiased	3.3329	3.353	0.0201
6	5e+12	NDD Unbiased	3.3895	3.5039	0.1144
7	5e+12	NDD Unbiased	3.4031	3.2885	-0.1146
8	5e+12	NDD Unbiased	3.2272	3.3275	0.1003
9	1e+13	NDD Unbiased	3.4505	3.1412	-0.3093
10	1e+13	NDD Unbiased	3.4666	3.3759	-0.0907
11	1e+13	NDD Unbiased	3.0658	3.1004	0.0346
12	1e+13	NDD Unbiased	3.2927	3.3165	0.0238
53	0	Correlation	3.1932	3.3074	0.1142
54	0	Correlation	3.1748	3.4295	0.2547

NDD vs Post - Pre Exposure Delta

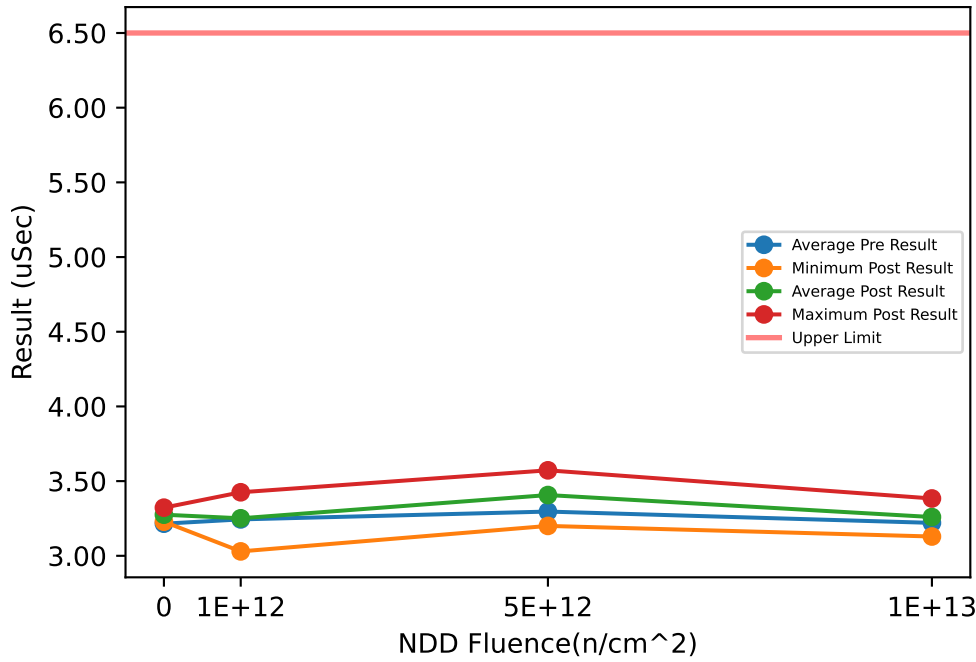


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1748	3.184	3.1932	0.013011	3.3074	3.3685	3.4295	0.086338	0.1142	0.18445	0.2547	0.099349
1e+12	3.2204	3.3595	3.5121	0.14163	3.3149	3.3837	3.4706	0.071754	-0.1102	0.0242	0.1929	0.13144
5e+12	3.2272	3.3382	3.4031	0.079985	3.2885	3.3682	3.5039	0.094259	-0.1146	0.03005	0.1144	0.105
1e+13	3.0658	3.3189	3.4666	0.18608	3.1004	3.2335	3.3759	0.13342	-0.3093	-0.0854	0.0346	0.15967

Device Test: 17.46 TPD_EN(_DELAY|STEP_DOWN/EN4/7/14/0/0/0/@TPD_EN)

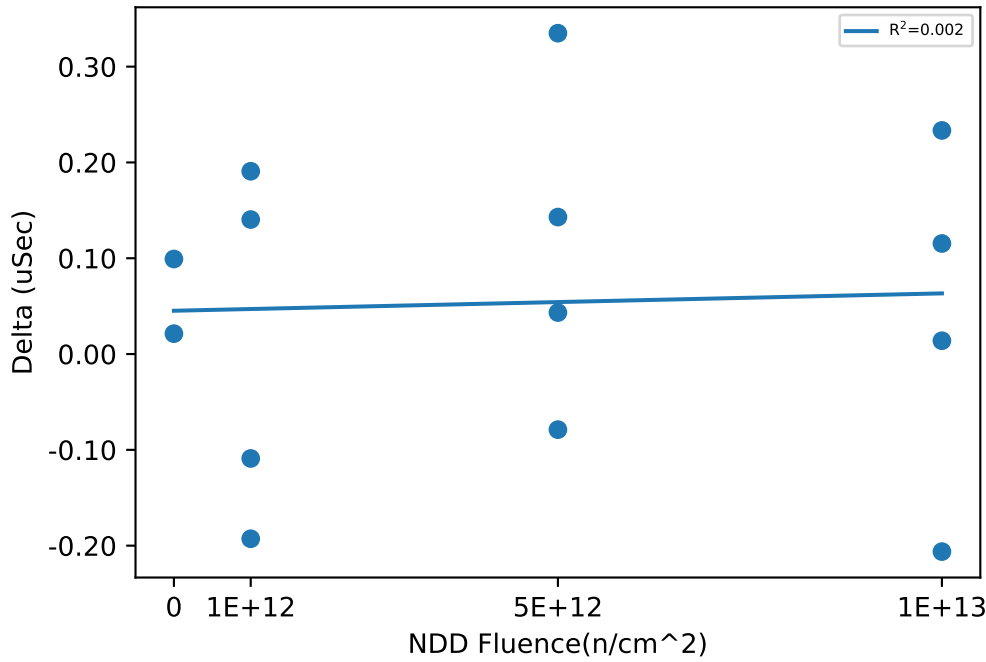
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.0862	3.2266	0.1404
2	1e+12	NDD Unbiased	3.2345	3.4253	0.1908
3	1e+12	NDD Unbiased	3.4319	3.3229	-0.109
4	1e+12	NDD Unbiased	3.2223	3.0295	-0.1928
5	5e+12	NDD Unbiased	3.2461	3.2894	0.0433
6	5e+12	NDD Unbiased	3.279	3.2001	-0.0789
7	5e+12	NDD Unbiased	3.4221	3.5651	0.143
8	5e+12	NDD Unbiased	3.2374	3.5723	0.3349
9	1e+13	NDD Unbiased	3.2382	3.3536	0.1154
10	1e+13	NDD Unbiased	3.3778	3.1716	-0.2062
11	1e+13	NDD Unbiased	3.1153	3.1292	0.0139
12	1e+13	NDD Unbiased	3.1504	3.3838	0.2334
53	0	Correlation	3.223	3.3222	0.0992
54	0	Correlation	3.207	3.2283	0.0213

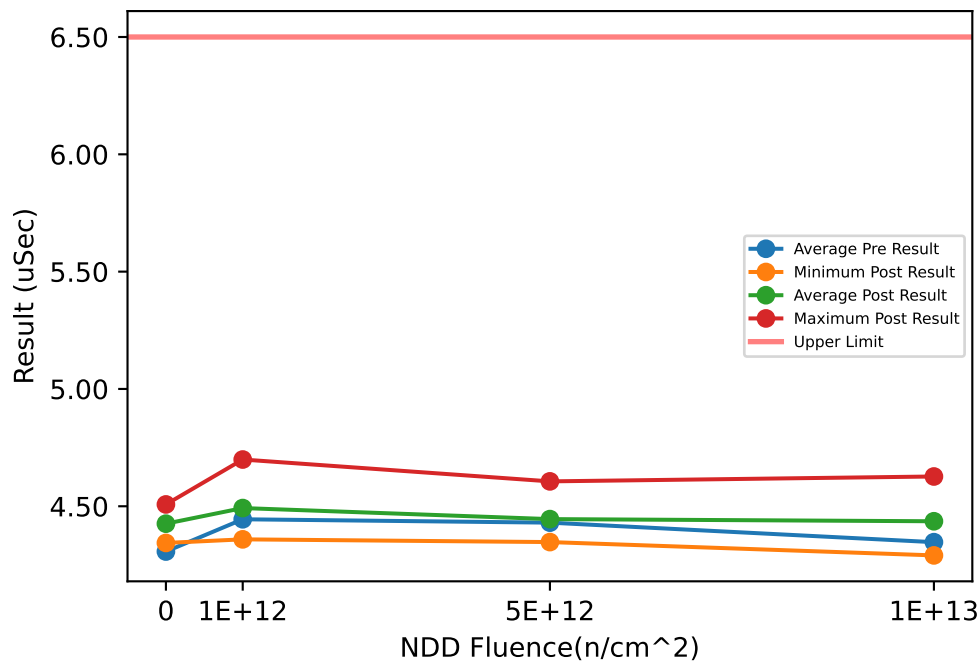
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.207	3.215	3.223	0.011314	3.2283	3.2752	3.3222	0.066397	0.0213	0.06025	0.0992	0.055084
1e+12	3.0862	3.2437	3.4319	0.14232	3.0295	3.2511	3.4253	0.16853	-0.1928	0.00735	0.1908	0.18704
5e+12	3.2374	3.2961	3.4221	0.085857	3.2001	3.4067	3.5723	0.19058	-0.0789	0.11057	0.3349	0.17493
1e+13	3.1153	3.2204	3.3778	0.11696	3.1292	3.2595	3.3838	0.12781	-0.2062	0.039125	0.2334	0.18653

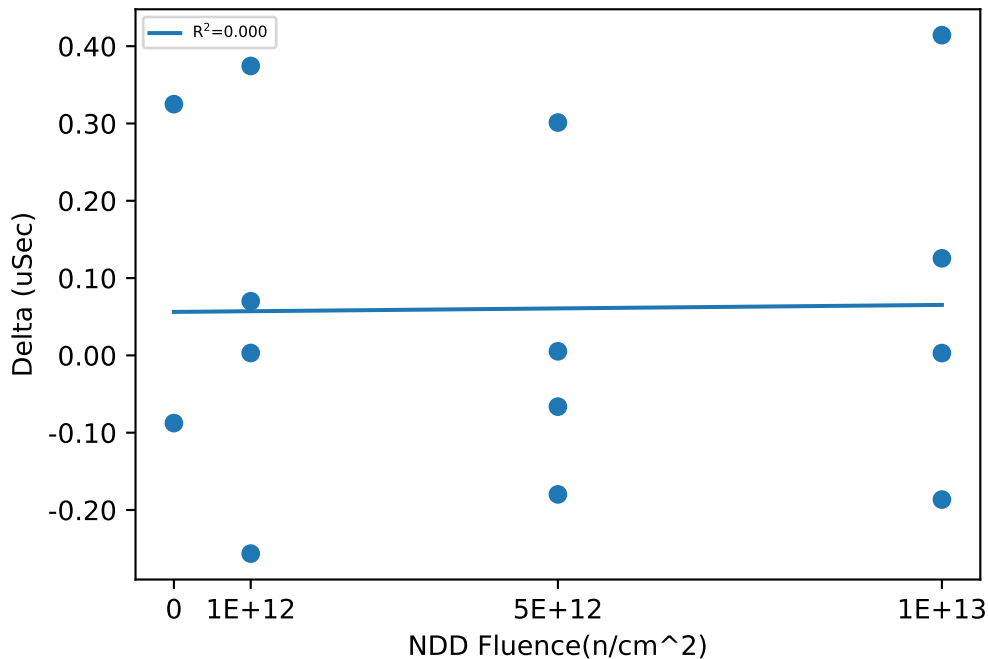
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.3248	4.6992	0.3744
2	1e+12	NDD Unbiased	4.7896	4.5332	-0.2564
3	1e+12	NDD Unbiased	4.3559	4.359	0.0031
4	1e+12	NDD Unbiased	4.3079	4.378	0.0701
5	5e+12	NDD Unbiased	4.3049	4.6061	0.3012
6	5e+12	NDD Unbiased	4.4381	4.4434	0.0053
7	5e+12	NDD Unbiased	4.4505	4.3842	-0.0663
8	5e+12	NDD Unbiased	4.5272	4.3474	-0.1798
9	1e+13	NDD Unbiased	4.2127	4.6269	0.4142
10	1e+13	NDD Unbiased	4.5855	4.399	-0.1865
11	1e+13	NDD Unbiased	4.165	4.2906	0.1256
12	1e+13	NDD Unbiased	4.4248	4.4278	0.003
53	0	Correlation	4.1828	4.5078	0.325
54	0	Correlation	4.4313	4.3437	-0.0876

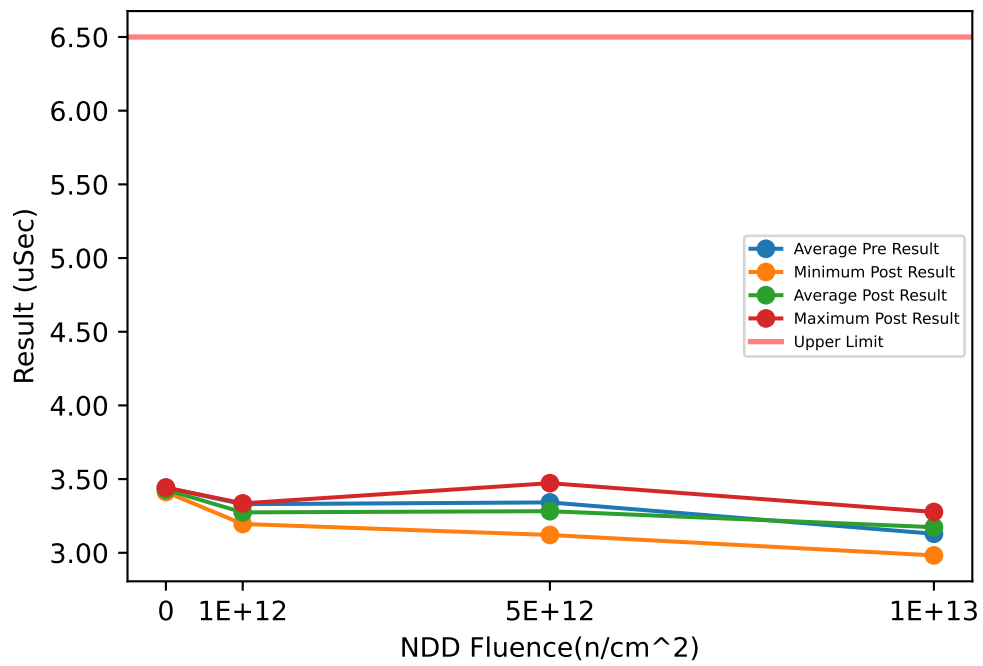
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1828	4.3071	4.4313	0.17572	4.3437	4.4257	4.5078	0.11604	-0.0876	0.1187	0.325	0.29175
1e+12	4.3079	4.4445	4.7896	0.23089	4.359	4.4924	4.6992	0.15844	-0.2564	0.0478	0.3744	0.25929
5e+12	4.3049	4.4302	4.5272	0.092346	4.3474	4.4453	4.6061	0.11428	-0.1798	0.0151	0.3012	0.20539
1e+13	4.165	4.347	4.5855	0.19502	4.2906	4.4361	4.6269	0.14026	-0.1865	0.089075	0.4142	0.25192

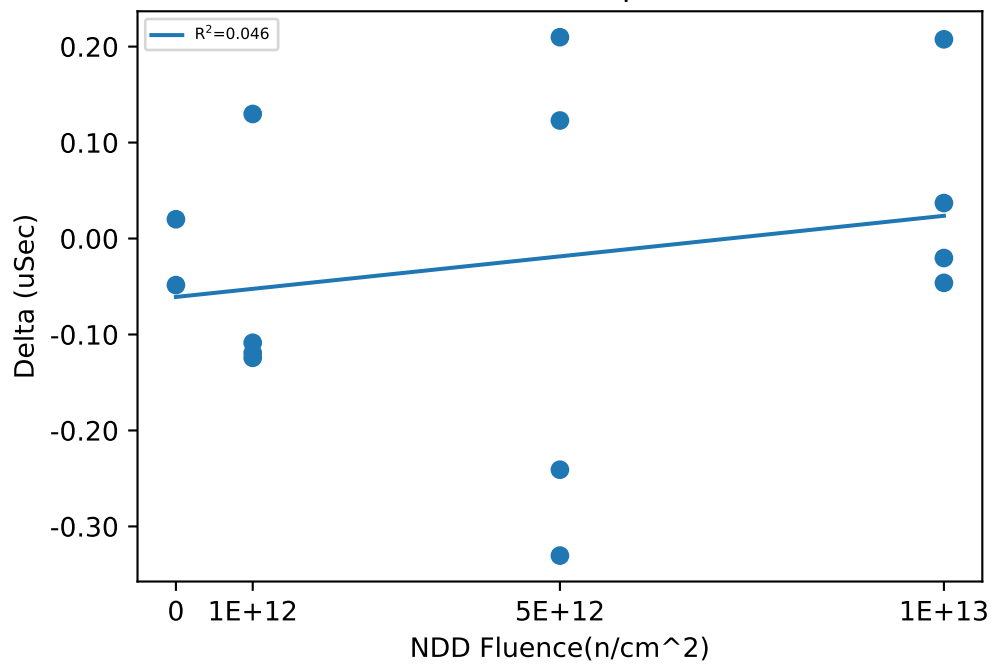
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.2056	3.3354	0.1298
2	1e+12	NDD Unbiased	3.4527	3.3284	-0.1243
3	1e+12	NDD Unbiased	3.3463	3.2377	-0.1086
4	1e+12	NDD Unbiased	3.3147	3.1955	-0.1192
5	5e+12	NDD Unbiased	3.2418	3.3648	0.123
6	5e+12	NDD Unbiased	3.4117	3.1708	-0.2409
7	5e+12	NDD Unbiased	3.2626	3.4724	0.2098
8	5e+12	NDD Unbiased	3.4514	3.121	-0.3304
9	1e+13	NDD Unbiased	3.192	3.1717	-0.0203
10	1e+13	NDD Unbiased	3.3102	3.264	-0.0462
11	1e+13	NDD Unbiased	3.0694	3.277	0.2076
12	1e+13	NDD Unbiased	2.9453	2.9823	0.037
53	0	Correlation	3.3924	3.4125	0.0201
54	0	Correlation	3.4913	3.4428	-0.0485

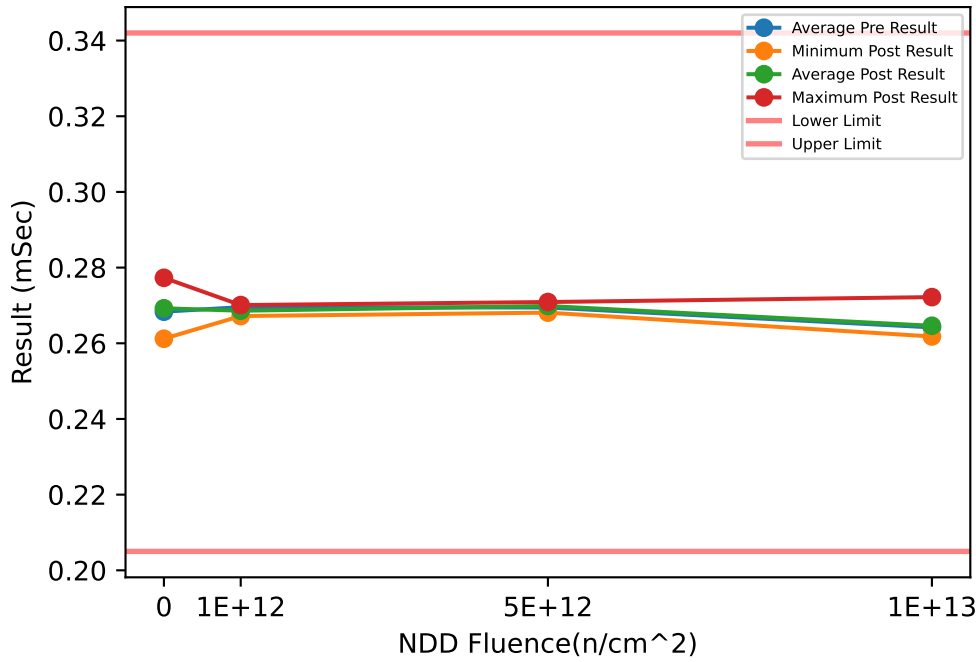
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3924	3.4418	3.4913	0.069933	3.4125	3.4276	3.4428	0.021425	-0.0485	-0.0142	0.0201	0.048508
1e+12	3.2056	3.3298	3.4527	0.1017	3.1955	3.2742	3.3354	0.068821	-0.1243	-0.055575	0.1298	0.12376
5e+12	3.2418	3.3419	3.4514	0.10515	3.121	3.2822	3.4724	0.16472	-0.3304	-0.059625	0.2098	0.26591
1e+13	2.9453	3.1292	3.3102	0.15716	2.9823	3.1738	3.277	0.13597	-0.0462	0.044525	0.2076	0.11414

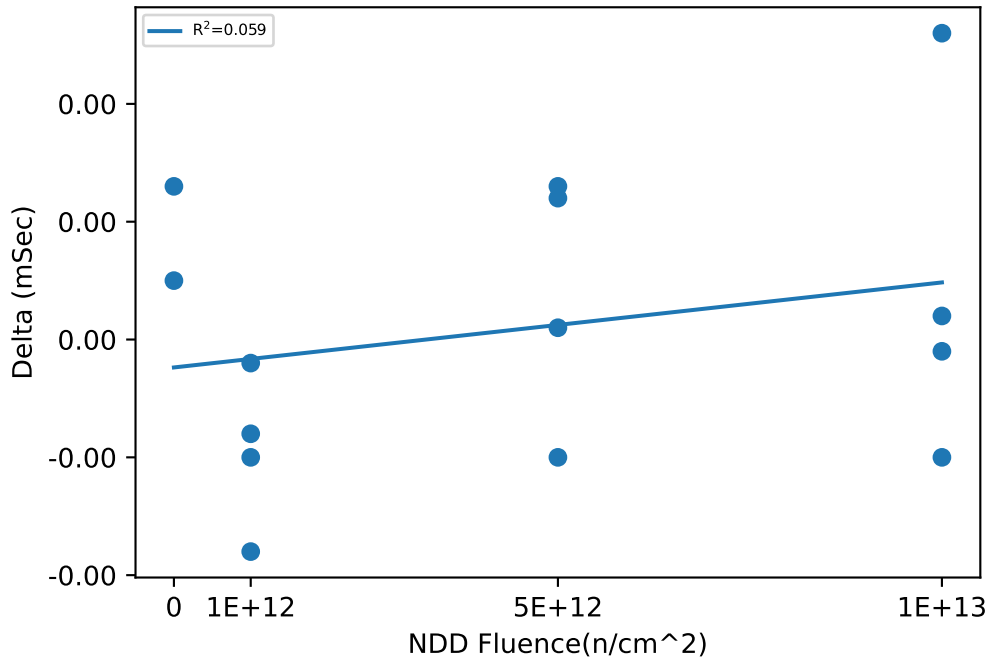
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.269	0.2672	-0.0018
2	1e+12	NDD Unbiased	0.2705	0.2697	-0.0008
3	1e+12	NDD Unbiased	0.2703	0.2701	-0.0002
4	1e+12	NDD Unbiased	0.2684	0.2674	-0.001
5	5e+12	NDD Unbiased	0.269	0.2702	0.0012
6	5e+12	NDD Unbiased	0.2691	0.2681	-0.001
7	5e+12	NDD Unbiased	0.2696	0.2709	0.0013
8	5e+12	NDD Unbiased	0.2701	0.2702	0.0001
9	1e+13	NDD Unbiased	0.2628	0.2627	-0.0001
10	1e+13	NDD Unbiased	0.2696	0.2722	0.0026
11	1e+13	NDD Unbiased	0.2628	0.2618	-0.001
12	1e+13	NDD Unbiased	0.2616	0.2618	0.0002
53	0	Correlation	0.2599	0.2612	0.0013
54	0	Correlation	0.2768	0.2773	0.0005

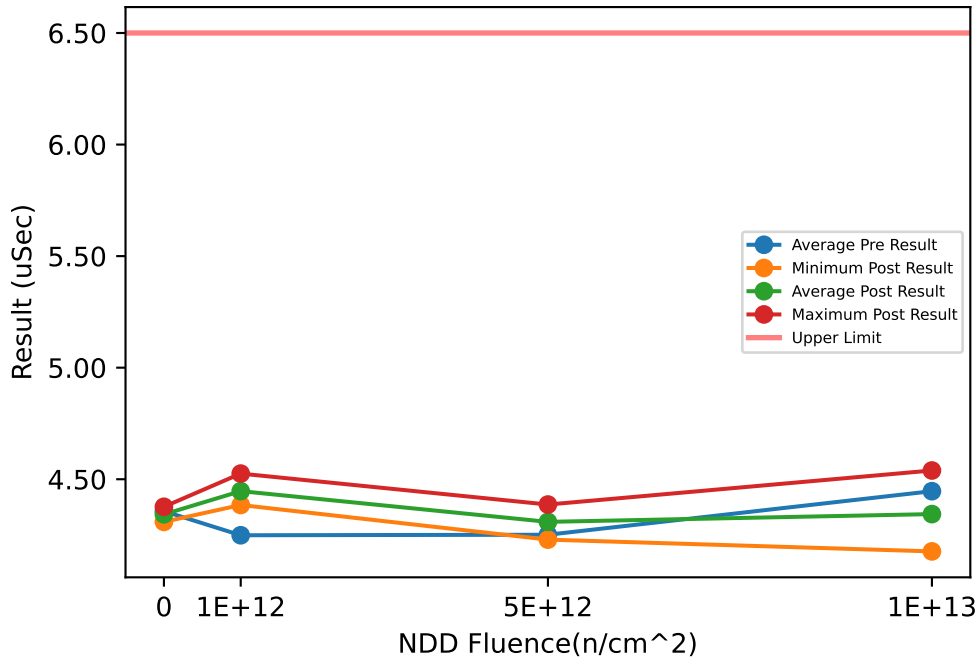
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2599	0.26835	0.2768	0.01195	0.2612	0.26925	0.2773	0.011384	0.0005	0.0009	0.0013	0.00056569
1e+12	0.2684	0.26955	0.2705	0.0010149	0.2672	0.2686	0.2701	0.0015122	-0.0018	-0.00095	-0.0002	0.00066081
5e+12	0.269	0.26945	0.2701	0.00050662	0.2681	0.26985	0.2709	0.0012124	-0.001	0.0004	0.0013	0.0010801
1e+13	0.2616	0.2642	0.2696	0.0036442	0.2618	0.26462	0.2722	0.0050678	-0.001	0.000425	0.0026	0.001537

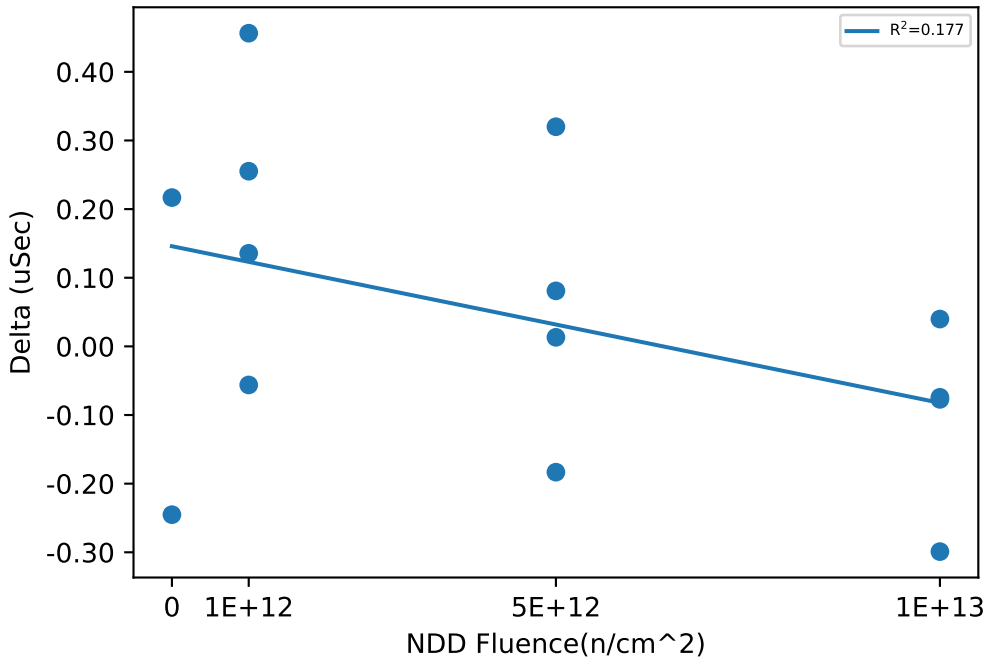
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	4.069	4.5253	0.4563
2	1e+12	NDD Unbiased	4.4408	4.3846	-0.0562
3	1e+12	NDD Unbiased	4.2277	4.4829	0.2552
4	1e+12	NDD Unbiased	4.2582	4.3938	0.1356
5	5e+12	NDD Unbiased	4.2162	4.2294	0.0132
6	5e+12	NDD Unbiased	4.0017	4.3217	0.32
7	5e+12	NDD Unbiased	4.2173	4.2982	0.0809
8	5e+12	NDD Unbiased	4.5699	4.3866	-0.1833
9	1e+13	NDD Unbiased	4.4994	4.5392	0.0398
10	1e+13	NDD Unbiased	4.6978	4.3988	-0.299
11	1e+13	NDD Unbiased	4.3347	4.2605	-0.0742
12	1e+13	NDD Unbiased	4.2538	4.1766	-0.0772
53	0	Correlation	4.5541	4.3089	-0.2452
54	0	Correlation	4.1597	4.3765	0.2168

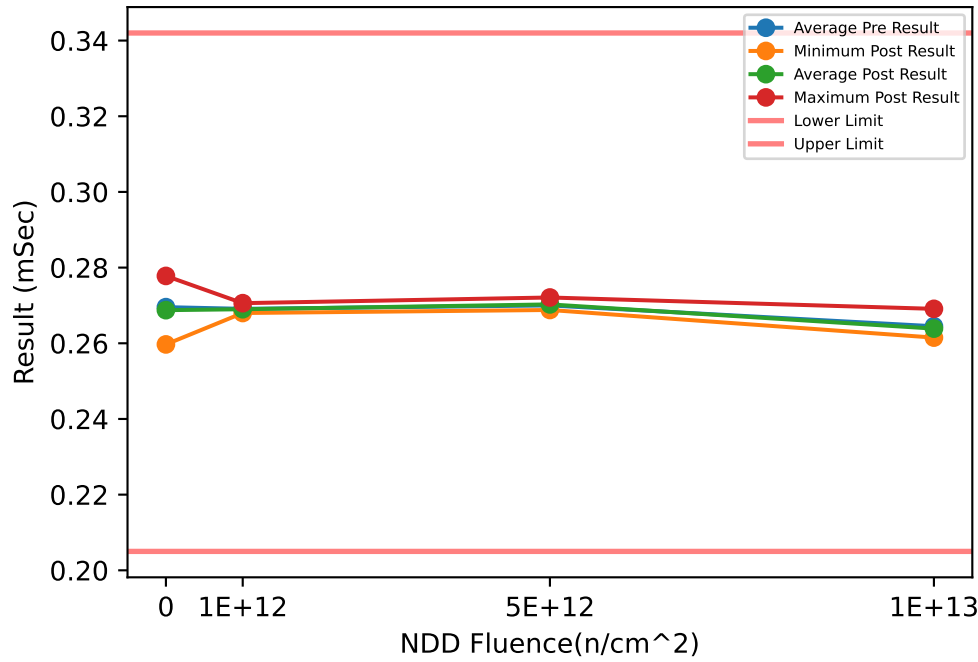
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	4.1597	4.3569	4.5541	0.27888	4.3089	4.3427	4.3765	0.0478	-0.2452	-0.0142	0.2168	0.32668
1e+12	4.069	4.2489	4.4408	0.15245	4.3846	4.4466	4.5253	0.068662	-0.0562	0.19772	0.4563	0.21487
5e+12	4.0017	4.2513	4.5699	0.23537	4.2294	4.309	4.3866	0.0649	-0.1833	0.0577	0.32	0.20769
1e+13	4.2538	4.4464	4.6978	0.19628	4.1766	4.3438	4.5392	0.15927	-0.299	-0.10265	0.0398	0.14178

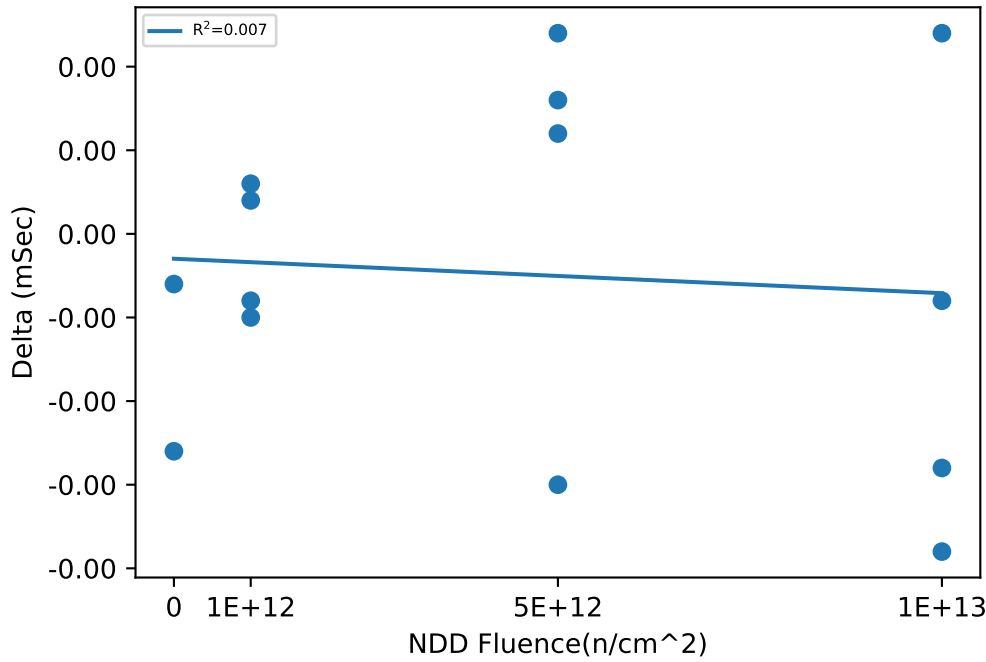
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2678	0.268	0.0002
2	1e+12	NDD Unbiased	0.271	0.2706	-0.0004
3	1e+12	NDD Unbiased	0.2698	0.2693	-0.0005
4	1e+12	NDD Unbiased	0.2678	0.2681	0.0003
5	5e+12	NDD Unbiased	0.2693	0.2705	0.0012
6	5e+12	NDD Unbiased	0.268	0.2688	0.0008
7	5e+12	NDD Unbiased	0.2715	0.2721	0.0006
8	5e+12	NDD Unbiased	0.2712	0.2697	-0.0015
9	1e+13	NDD Unbiased	0.2634	0.2615	-0.0019
10	1e+13	NDD Unbiased	0.2695	0.2691	-0.0004
11	1e+13	NDD Unbiased	0.2608	0.262	0.0012
12	1e+13	NDD Unbiased	0.2643	0.2629	-0.0014
53	0	Correlation	0.261	0.2597	-0.0013
54	0	Correlation	0.2781	0.2778	-0.0003

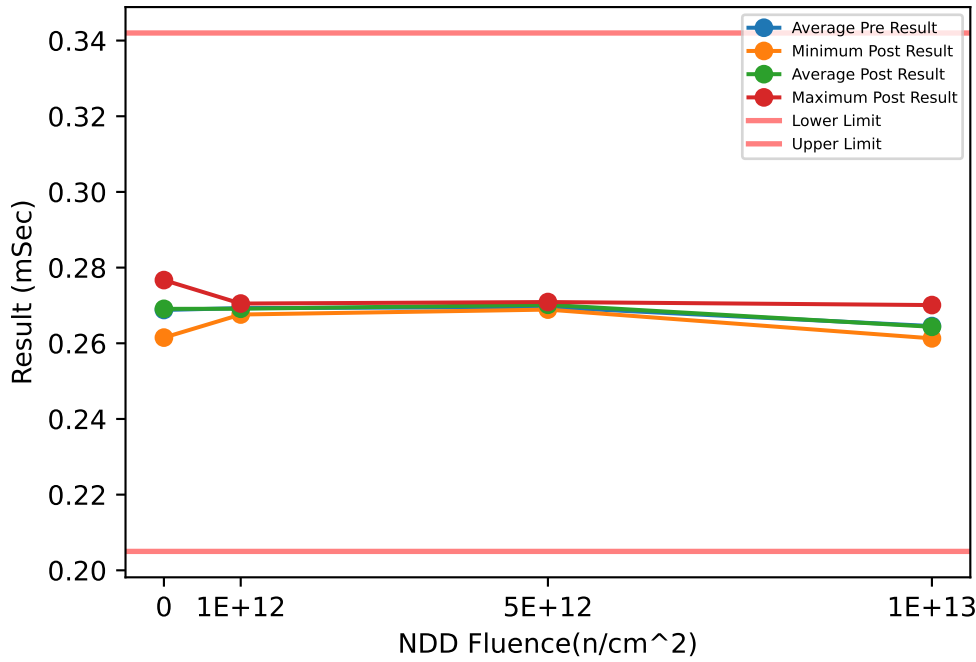
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.261	0.26955	0.2781	0.012092	0.2597	0.26875	0.2778	0.012799	-0.0013	-0.0008	-0.0003	0.00070711
1e+12	0.2678	0.2691	0.271	0.001579	0.268	0.269	0.2706	0.0012193	-0.0005	-0.0001	0.0003	0.00040825
5e+12	0.268	0.27	0.2715	0.0016513	0.2688	0.27027	0.2721	0.0014009	-0.0015	0.000275	0.0012	0.0012093
1e+13	0.2608	0.2645	0.2695	0.0036487	0.2615	0.26388	0.2691	0.0035312	-0.0019	-0.000625	0.0012	0.0013672

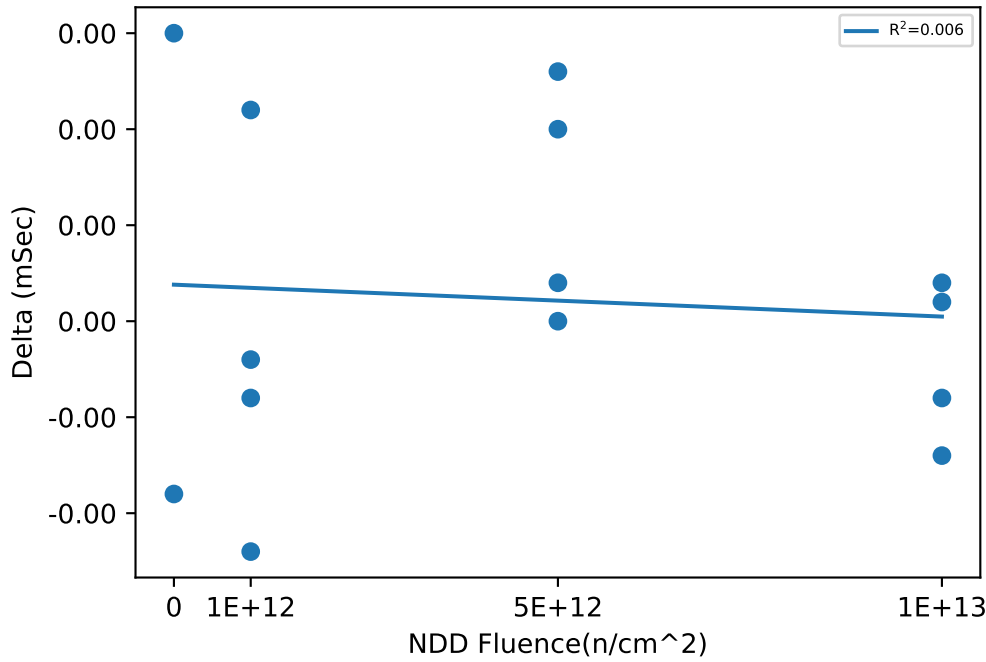
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2688	0.2684	-0.0004
2	1e+12	NDD Unbiased	0.2694	0.2705	0.0011
3	1e+12	NDD Unbiased	0.2712	0.27	-0.0012
4	1e+12	NDD Unbiased	0.2678	0.2676	-0.0002
5	5e+12	NDD Unbiased	0.2696	0.2709	0.0013
6	5e+12	NDD Unbiased	0.2687	0.2689	0.0002
7	5e+12	NDD Unbiased	0.2709	0.2709	0
8	5e+12	NDD Unbiased	0.269	0.27	0.001
9	1e+13	NDD Unbiased	0.2634	0.2636	0.0002
10	1e+13	NDD Unbiased	0.2708	0.2701	-0.0007
11	1e+13	NDD Unbiased	0.2617	0.2613	-0.0004
12	1e+13	NDD Unbiased	0.2623	0.2624	0.0001
53	0	Correlation	0.26	0.2615	0.0015
54	0	Correlation	0.2776	0.2767	-0.0009

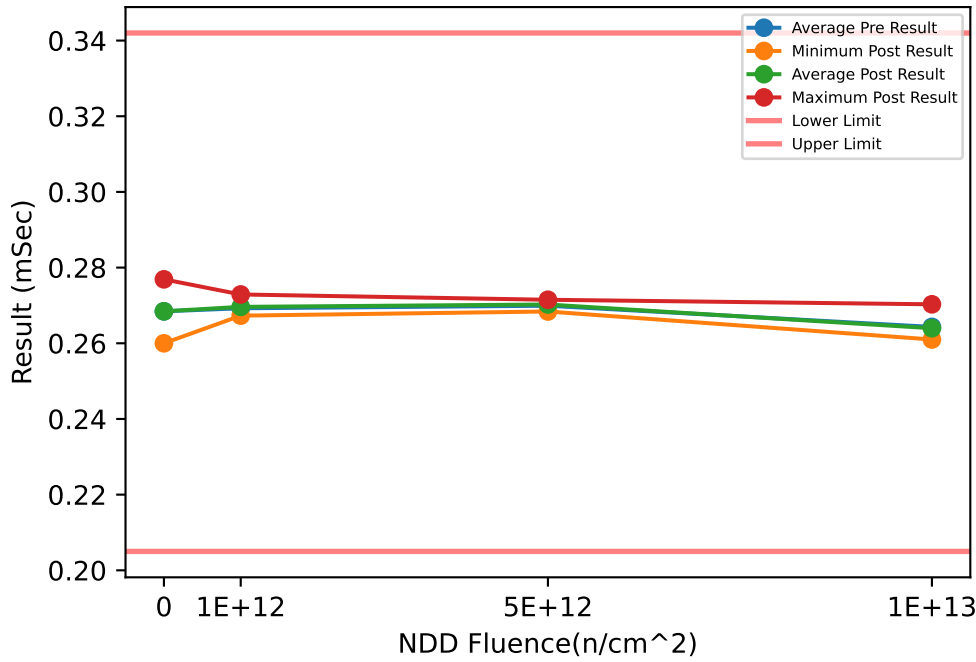
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.26	0.2688	0.2776	0.012445	0.2615	0.2691	0.2767	0.010748	-0.0009	0.0003	0.0015	0.0016971
1e+12	0.2678	0.2693	0.2712	0.0014283	0.2676	0.26913	0.2705	0.0013549	-0.0012	-0.000175	0.0011	0.0009535
5e+12	0.2687	0.26955	0.2709	0.00097468	0.2689	0.27017	0.2709	0.00095	0	0.000625	0.0013	0.00062383
1e+13	0.2617	0.26455	0.2708	0.0042257	0.2613	0.26435	0.2701	0.0039467	-0.0007	-0.0002	0.0002	0.00042426

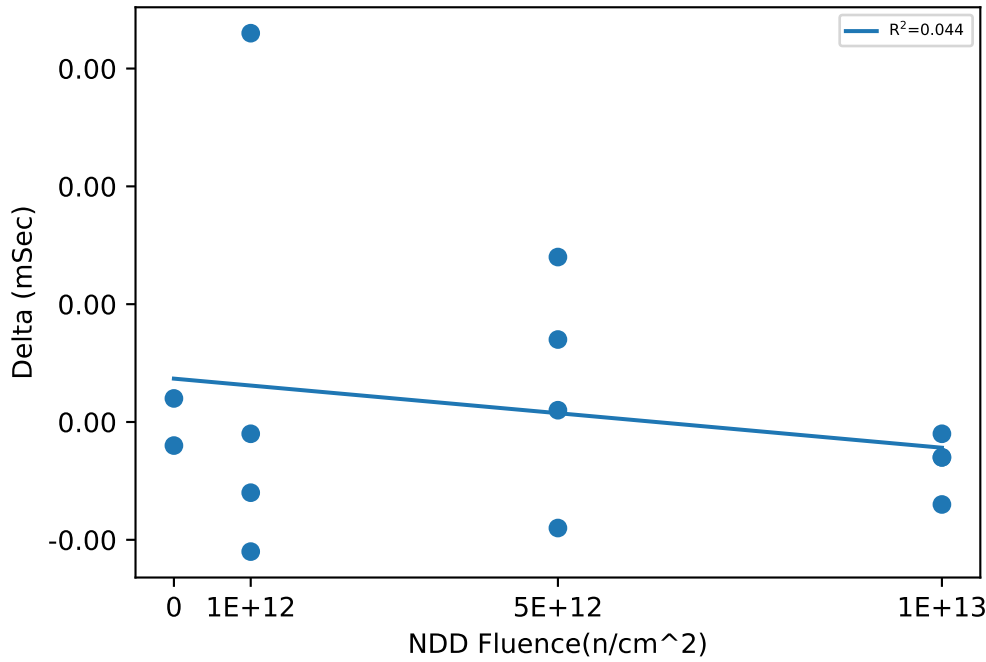
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2689	0.2678	-0.0011
2	1e+12	NDD Unbiased	0.2696	0.2729	0.0033
3	1e+12	NDD Unbiased	0.2706	0.2705	-0.0001
4	1e+12	NDD Unbiased	0.2679	0.2673	-0.0006
5	5e+12	NDD Unbiased	0.2695	0.2702	0.0007
6	5e+12	NDD Unbiased	0.2683	0.2684	0.0001
7	5e+12	NDD Unbiased	0.2718	0.2709	-0.0009
8	5e+12	NDD Unbiased	0.2701	0.2715	0.0014
9	1e+13	NDD Unbiased	0.2626	0.2623	-0.0003
10	1e+13	NDD Unbiased	0.2706	0.2703	-0.0003
11	1e+13	NDD Unbiased	0.2617	0.261	-0.0007
12	1e+13	NDD Unbiased	0.2624	0.2623	-0.0001
53	0	Correlation	0.2598	0.26	0.0002
54	0	Correlation	0.2771	0.2769	-0.0002

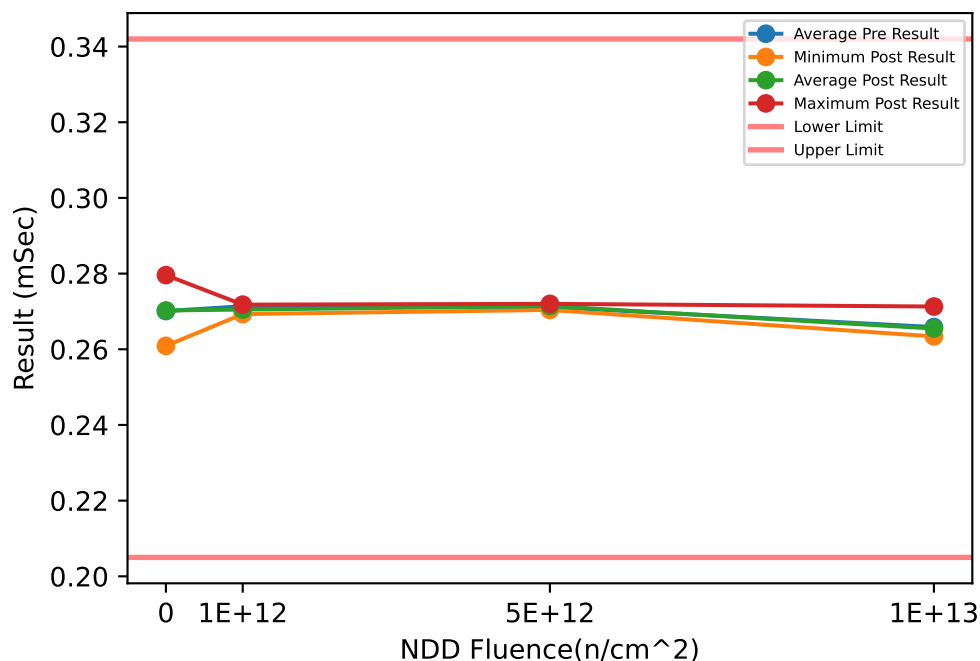
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2598	0.26845	0.2771	0.012233	0.26	0.26845	0.2769	0.01195	-0.0002	0	0.0002	0.00028284
1e+12	0.2679	0.26925	0.2706	0.0011387	0.2673	0.26963	0.2729	0.0025966	-0.0011	0.000375	0.0033	0.0019923
5e+12	0.2683	0.26992	0.2718	0.0014569	0.2684	0.27025	0.2715	0.0013429	-0.0009	0.000325	0.0014	0.00097425
1e+13	0.2617	0.26433	0.2706	0.0042011	0.261	0.26397	0.2703	0.004261	-0.0007	-0.00035	-0.0001	0.00025166

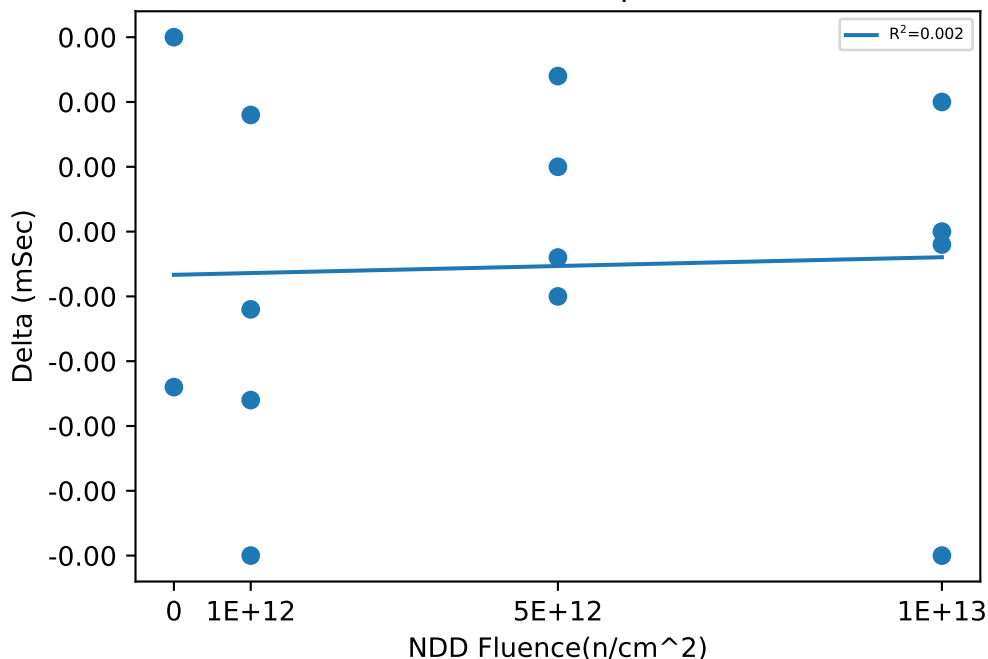
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2689	0.2698	0.0009
2	1e+12	NDD Unbiased	0.2724	0.2711	-0.0013
3	1e+12	NDD Unbiased	0.2743	0.2718	-0.0025
4	1e+12	NDD Unbiased	0.2699	0.2693	-0.0006
5	5e+12	NDD Unbiased	0.2708	0.272	0.0012
6	5e+12	NDD Unbiased	0.2706	0.2704	-0.0002
7	5e+12	NDD Unbiased	0.2722	0.2717	-0.0005
8	5e+12	NDD Unbiased	0.2711	0.2716	0.0005
9	1e+13	NDD Unbiased	0.2636	0.2636	0
10	1e+13	NDD Unbiased	0.2738	0.2713	-0.0025
11	1e+13	NDD Unbiased	0.2637	0.2636	-0.0001
12	1e+13	NDD Unbiased	0.2624	0.2634	0.001
53	0	Correlation	0.2621	0.2609	-0.0012
54	0	Correlation	0.2781	0.2796	0.0015

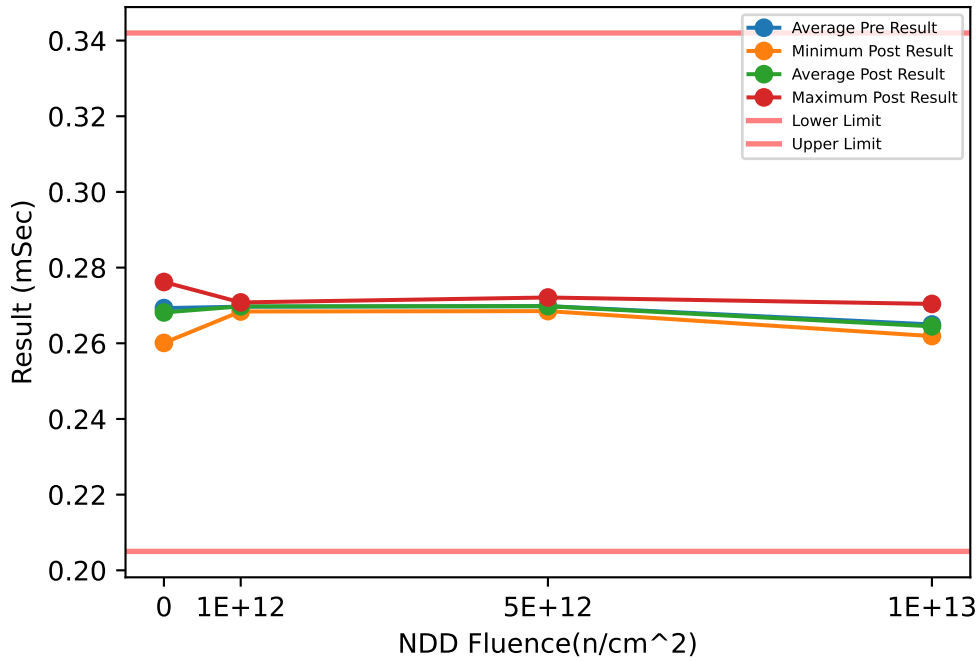
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2621	0.2701	0.2781	0.011314	0.2609	0.27025	0.2796	0.013223	-0.0012	0.00015	0.0015	0.0019092
1e+12	0.2689	0.27137	0.2743	0.0024432	0.2693	0.2705	0.2718	0.0011518	-0.0025	-0.000875	0.0009	0.0014198
5e+12	0.2706	0.27117	0.2722	0.00071356	0.2704	0.27143	0.272	0.00070415	-0.0005	0.00025	0.0012	0.00075939
1e+13	0.2624	0.26587	0.2738	0.0053162	0.2634	0.26548	0.2713	0.0038845	-0.0025	-0.0004	0.001	0.0014855

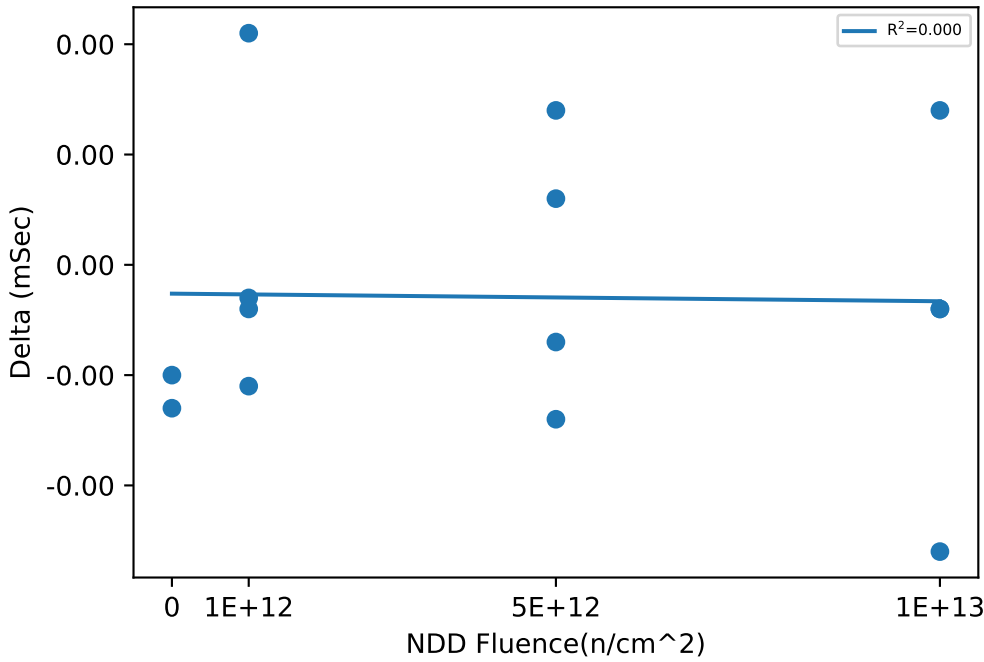
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2688	0.2684	-0.0004
2	1e+12	NDD Unbiased	0.2708	0.2697	-0.0011
3	1e+12	NDD Unbiased	0.2711	0.2708	-0.0003
4	1e+12	NDD Unbiased	0.268	0.2701	0.0021
5	5e+12	NDD Unbiased	0.2706	0.2692	-0.0014
6	5e+12	NDD Unbiased	0.2679	0.2685	0.0006
7	5e+12	NDD Unbiased	0.2707	0.2721	0.0014
8	5e+12	NDD Unbiased	0.2701	0.2694	-0.0007
9	1e+13	NDD Unbiased	0.2645	0.2619	-0.0026
10	1e+13	NDD Unbiased	0.2708	0.2704	-0.0004
11	1e+13	NDD Unbiased	0.2614	0.2628	0.0014
12	1e+13	NDD Unbiased	0.2632	0.2628	-0.0004
53	0	Correlation	0.2614	0.2601	-0.0013
54	0	Correlation	0.2772	0.2762	-0.001

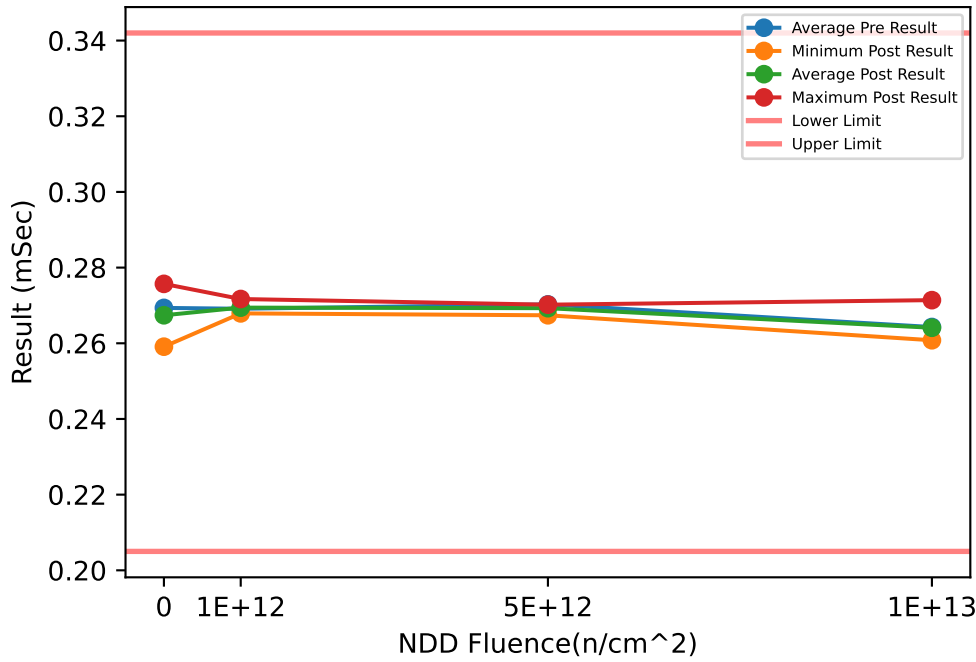
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2614	0.2693	0.2772	0.011172	0.2601	0.26815	0.2762	0.011384	-0.0013	-0.00115	-0.001	0.00021213
1e+12	0.268	0.26967	0.2711	0.001513	0.2684	0.26975	0.2708	0.0010083	-0.0011	7.5e-05	0.0021	0.0013961
5e+12	0.2679	0.26982	0.2707	0.0013099	0.2685	0.2698	0.2721	0.0015811	-0.0014	-2.5e-05	0.0014	0.0012606
1e+13	0.2614	0.26498	0.2708	0.0040861	0.2619	0.26448	0.2704	0.0039727	-0.0026	-0.0005	0.0014	0.0016371

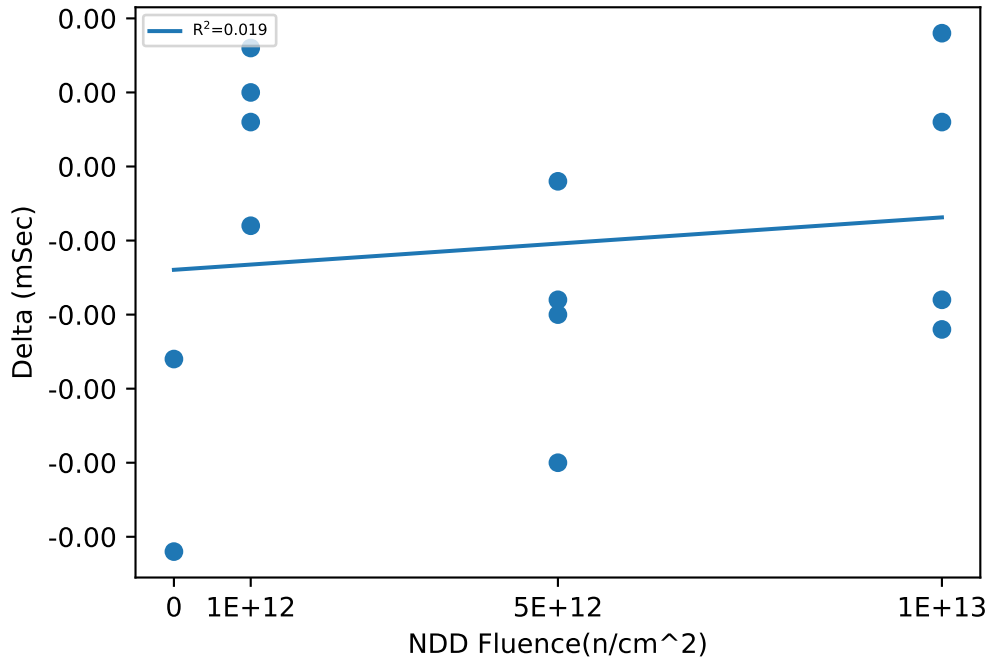
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2674	0.2679	0.0005
2	1e+12	NDD Unbiased	0.2695	0.2698	0.0003
3	1e+12	NDD Unbiased	0.2709	0.2717	0.0008
4	1e+12	NDD Unbiased	0.2687	0.2683	-0.0004
5	5e+12	NDD Unbiased	0.2703	0.2702	-0.0001
6	5e+12	NDD Unbiased	0.2694	0.2674	-0.002
7	5e+12	NDD Unbiased	0.271	0.2701	-0.0009
8	5e+12	NDD Unbiased	0.2704	0.2694	-0.001
9	1e+13	NDD Unbiased	0.2617	0.262	0.0003
10	1e+13	NDD Unbiased	0.2705	0.2714	0.0009
11	1e+13	NDD Unbiased	0.2619	0.2608	-0.0011
12	1e+13	NDD Unbiased	0.2631	0.2622	-0.0009
53	0	Correlation	0.2617	0.2591	-0.0026
54	0	Correlation	0.277	0.2757	-0.0013

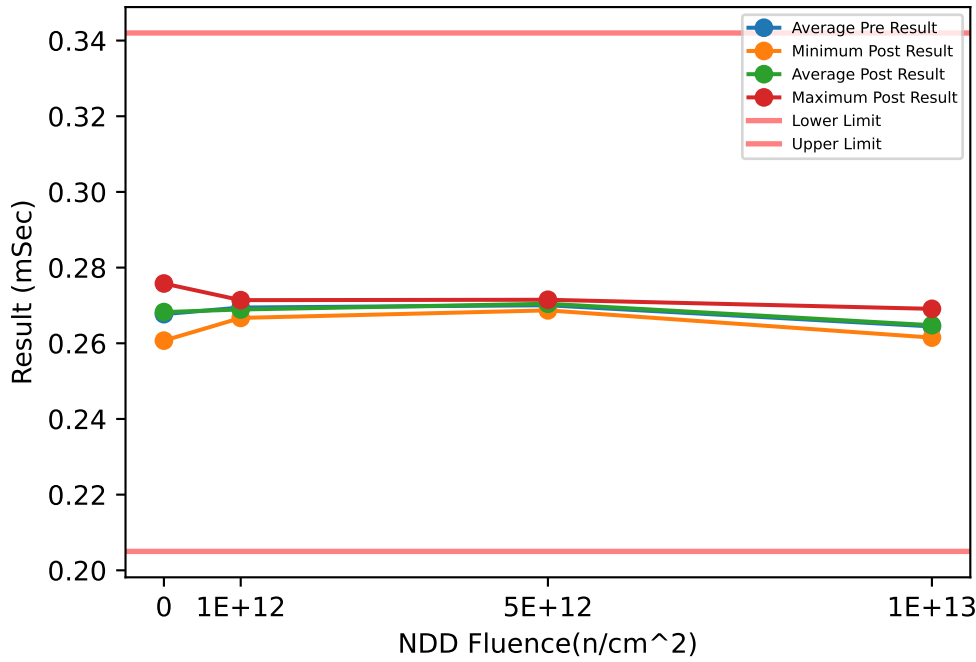
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2617	0.26935	0.277	0.010819	0.2591	0.2674	0.2757	0.011738	-0.0026	-0.00195	-0.0013	0.00091924
1e+12	0.2674	0.26913	0.2709	0.001466	0.2679	0.26943	0.2717	0.0017231	-0.0004	0.0003	0.0008	0.0005099
5e+12	0.2694	0.27027	0.271	0.00066018	0.2674	0.26927	0.2702	0.0012997	-0.002	-0.001	-0.0001	0.00077889
1e+13	0.2617	0.2643	0.2705	0.0041793	0.2608	0.2641	0.2714	0.0049058	-0.0011	-0.0002	0.0009	0.00095917

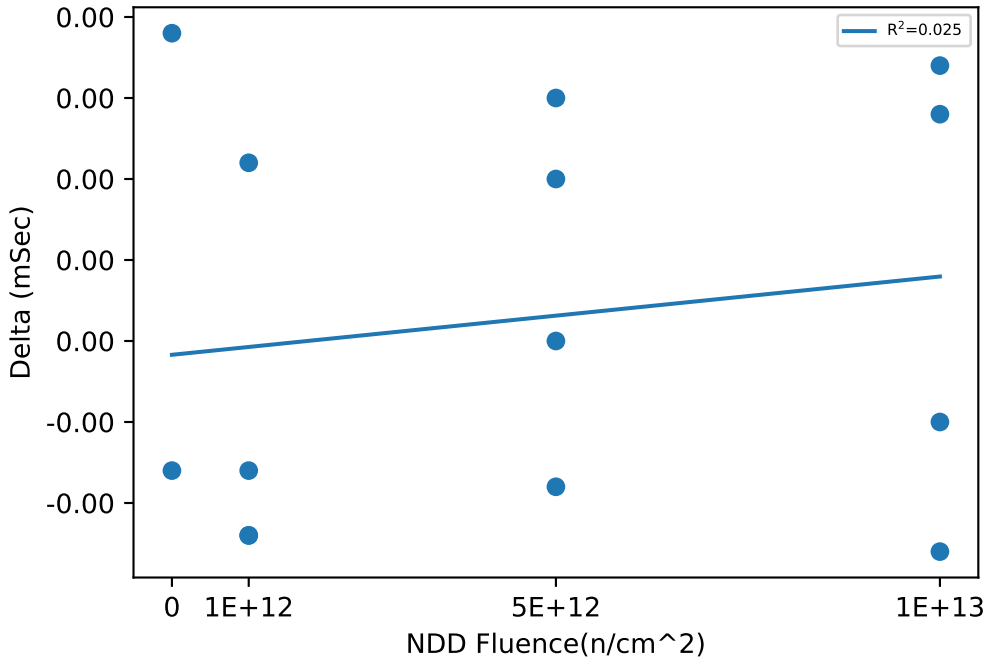
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2675	0.2667	-0.0008
2	1e+12	NDD Unbiased	0.271	0.2698	-0.0012
3	1e+12	NDD Unbiased	0.2703	0.2714	0.0011
4	1e+12	NDD Unbiased	0.269	0.2678	-0.0012
5	5e+12	NDD Unbiased	0.2704	0.2704	0
6	5e+12	NDD Unbiased	0.2696	0.2687	-0.0009
7	5e+12	NDD Unbiased	0.27	0.2715	0.0015
8	5e+12	NDD Unbiased	0.2702	0.2712	0.001
9	1e+13	NDD Unbiased	0.2618	0.2635	0.0017
10	1e+13	NDD Unbiased	0.2696	0.2691	-0.0005
11	1e+13	NDD Unbiased	0.2628	0.2615	-0.0013
12	1e+13	NDD Unbiased	0.2636	0.265	0.0014
53	0	Correlation	0.2588	0.2607	0.0019
54	0	Correlation	0.2766	0.2758	-0.0008

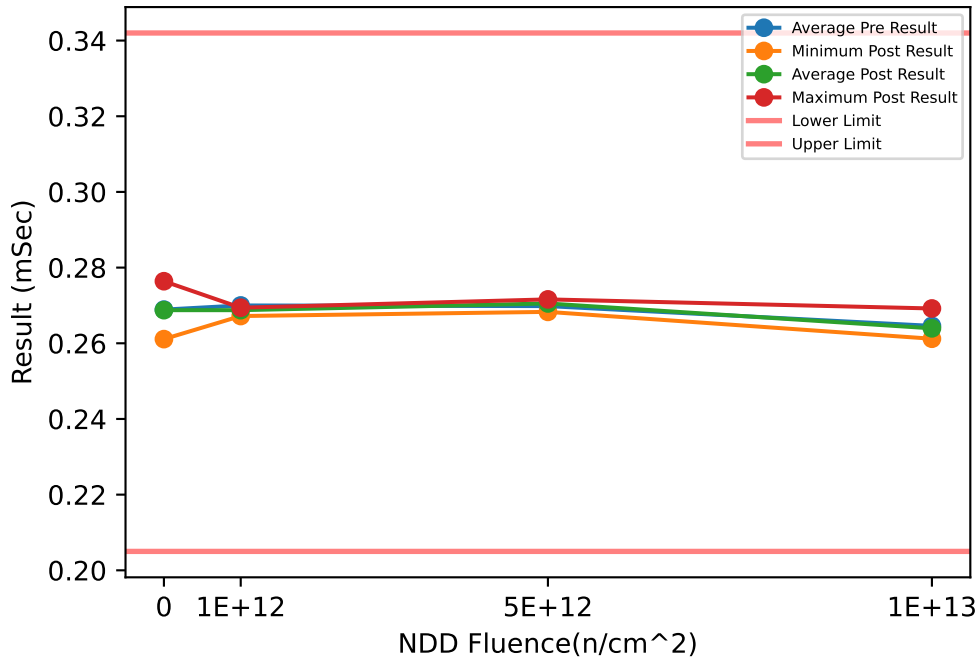
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2588	0.2677	0.2766	0.012587	0.2607	0.26825	0.2758	0.010677	-0.0008	0.00055	0.0019	0.0019092
1e+12	0.2675	0.26945	0.271	0.0015416	0.2667	0.26892	0.2714	0.0020903	-0.0012	-0.000525	0.0011	0.0010996
5e+12	0.2696	0.27005	0.2704	0.00034157	0.2687	0.27045	0.2715	0.0012557	-0.0009	0.0004	0.0015	0.0010677
1e+13	0.2618	0.26445	0.2696	0.0035114	0.2615	0.26477	0.2691	0.0032201	-0.0013	0.000325	0.0017	0.0014569

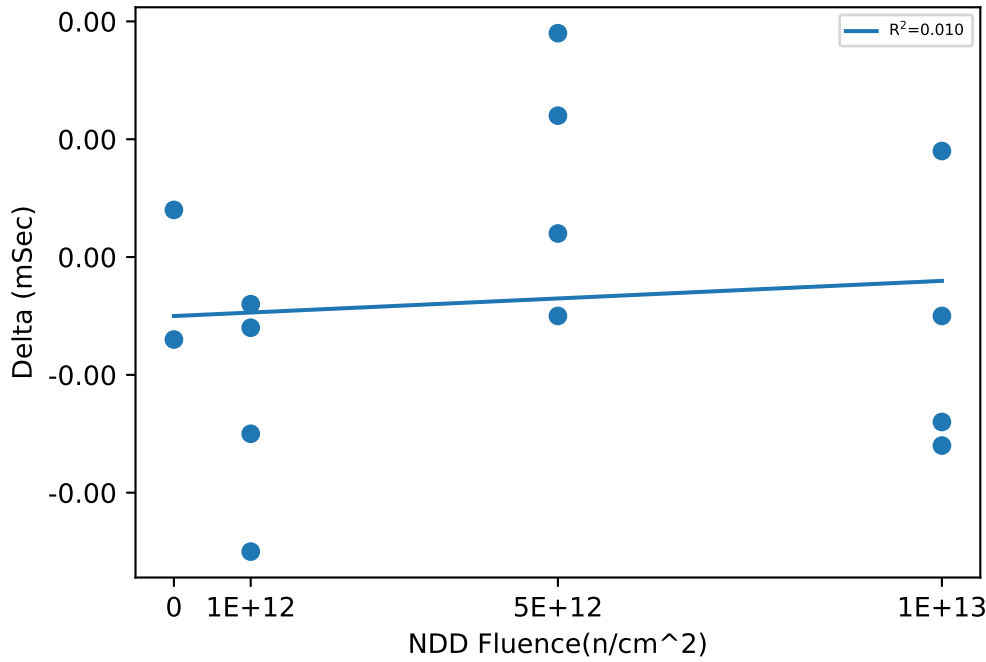
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2697	0.2672	-0.0025
2	1e+12	NDD Unbiased	0.2707	0.2692	-0.0015
3	1e+12	NDD Unbiased	0.2698	0.2692	-0.0006
4	1e+12	NDD Unbiased	0.2698	0.2694	-0.0004
5	5e+12	NDD Unbiased	0.2697	0.2716	0.0019
6	5e+12	NDD Unbiased	0.2688	0.2683	-0.0005
7	5e+12	NDD Unbiased	0.2699	0.2711	0.0012
8	5e+12	NDD Unbiased	0.2709	0.2711	0.0002
9	1e+13	NDD Unbiased	0.2628	0.2612	-0.0016
10	1e+13	NDD Unbiased	0.2706	0.2692	-0.0014
11	1e+13	NDD Unbiased	0.2619	0.2614	-0.0005
12	1e+13	NDD Unbiased	0.2631	0.264	0.0009
53	0	Correlation	0.2607	0.2611	0.0004
54	0	Correlation	0.2771	0.2764	-0.0007

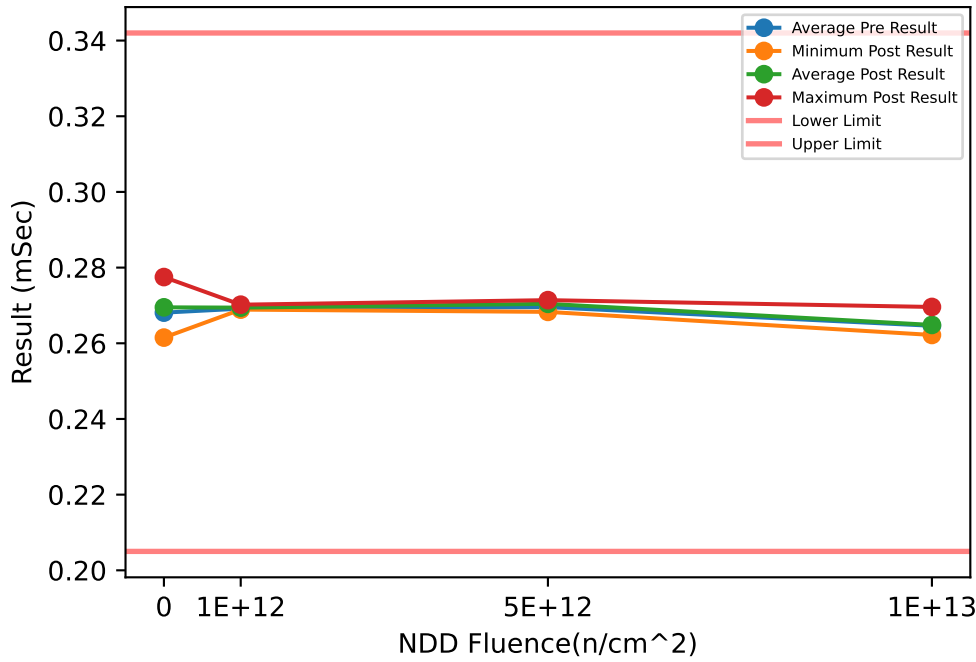
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2607	0.2689	0.2771	0.011597	0.2611	0.26875	0.2764	0.010819	-0.0007	-0.00015	0.0004	0.00077782
1e+12	0.2697	0.27	0.2707	0.00046904	0.2672	0.26875	0.2694	0.0010376	-0.0025	-0.00125	-0.0004	0.0009609
5e+12	0.2688	0.26982	0.2709	0.00086168	0.2683	0.27053	0.2716	0.0015019	-0.0005	0.0007	0.0019	0.0010614
1e+13	0.2619	0.2646	0.2706	0.0040324	0.2612	0.26395	0.2692	0.0037251	-0.0016	-0.00065	0.0009	0.0011387

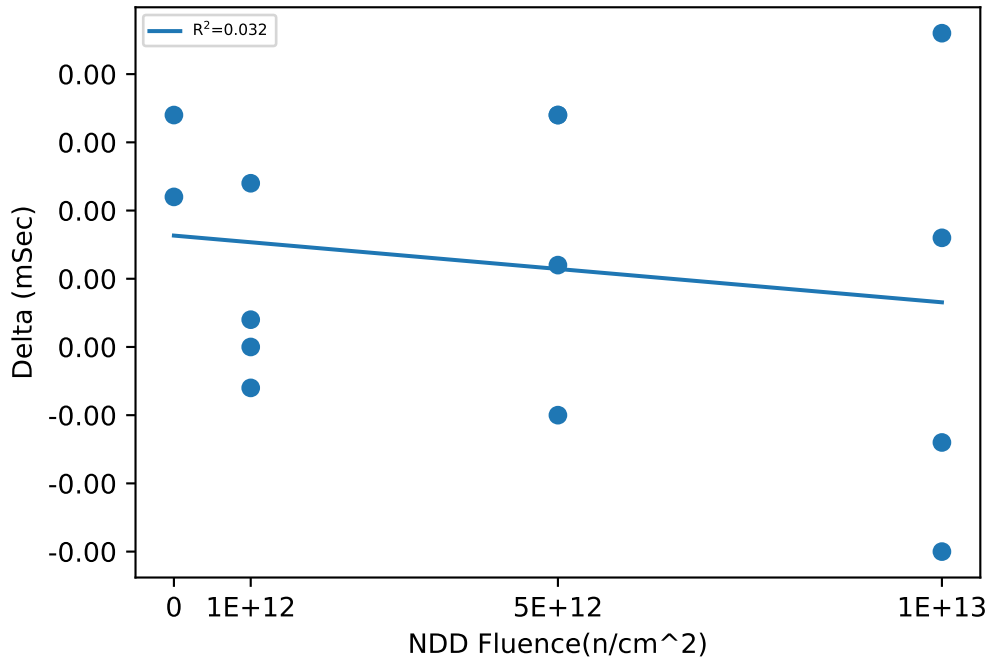
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2679	0.2691	0.0012
2	1e+12	NDD Unbiased	0.2698	0.2695	-0.0003
3	1e+12	NDD Unbiased	0.2702	0.2702	0
4	1e+12	NDD Unbiased	0.2687	0.2689	0.0002
5	5e+12	NDD Unbiased	0.2692	0.2709	0.0017
6	5e+12	NDD Unbiased	0.2688	0.2683	-0.0005
7	5e+12	NDD Unbiased	0.2705	0.2711	0.0006
8	5e+12	NDD Unbiased	0.2697	0.2714	0.0017
9	1e+13	NDD Unbiased	0.2629	0.2622	-0.0007
10	1e+13	NDD Unbiased	0.2711	0.2696	-0.0015
11	1e+13	NDD Unbiased	0.2614	0.2637	0.0023
12	1e+13	NDD Unbiased	0.2631	0.2639	0.0008
53	0	Correlation	0.2604	0.2615	0.0011
54	0	Correlation	0.2758	0.2775	0.0017

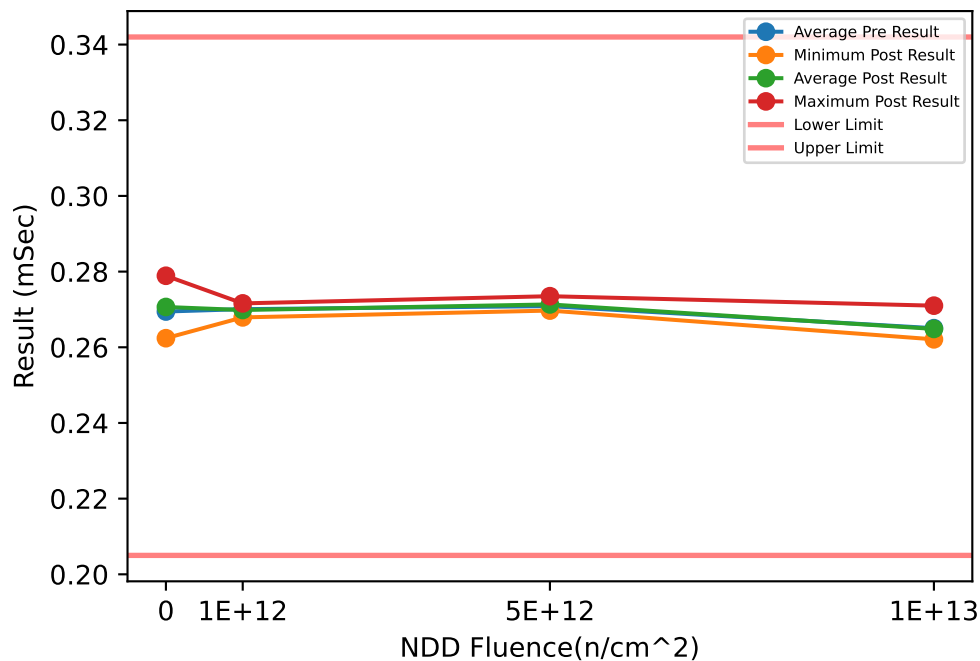
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2604	0.2681	0.2758	0.010889	0.2615	0.2695	0.2775	0.011314	0.0011	0.0014	0.0017	0.00042426
1e+12	0.2679	0.26915	0.2702	0.0010472	0.2689	0.26943	0.2702	0.00057373	-0.0003	0.000275	0.0012	0.00065
5e+12	0.2688	0.26955	0.2705	0.00073258	0.2683	0.27042	0.2714	0.0014315	-0.0005	0.000875	0.0017	0.0010532
1e+13	0.2614	0.26462	0.2711	0.0043828	0.2622	0.26485	0.2696	0.0032563	-0.0015	0.000225	0.0023	0.00168

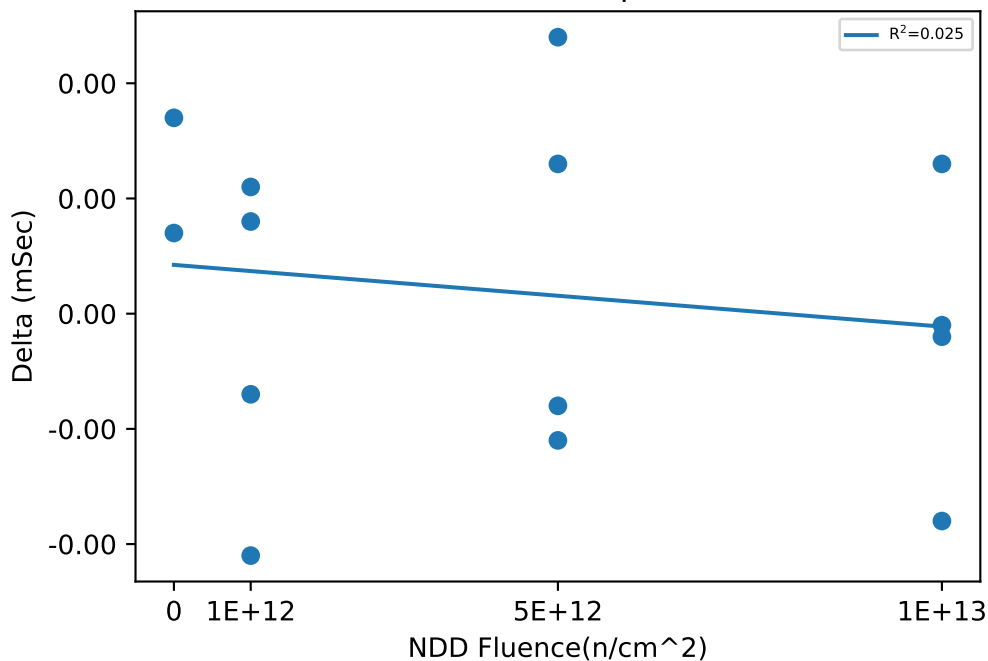
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.27	0.2679	-0.0021
2	1e+12	NDD Unbiased	0.2706	0.2714	0.0008
3	1e+12	NDD Unbiased	0.2705	0.2716	0.0011
4	1e+12	NDD Unbiased	0.2692	0.2685	-0.0007
5	5e+12	NDD Unbiased	0.2723	0.2715	-0.0008
6	5e+12	NDD Unbiased	0.2684	0.2697	0.0013
7	5e+12	NDD Unbiased	0.2711	0.2735	0.0024
8	5e+12	NDD Unbiased	0.2717	0.2706	-0.0011
9	1e+13	NDD Unbiased	0.2629	0.2627	-0.0002
10	1e+13	NDD Unbiased	0.2711	0.271	-0.0001
11	1e+13	NDD Unbiased	0.2639	0.2621	-0.0018
12	1e+13	NDD Unbiased	0.2623	0.2636	0.0013
53	0	Correlation	0.2617	0.2624	0.0007
54	0	Correlation	0.2772	0.2789	0.0017

NDD vs Post - Pre Exposure Delta

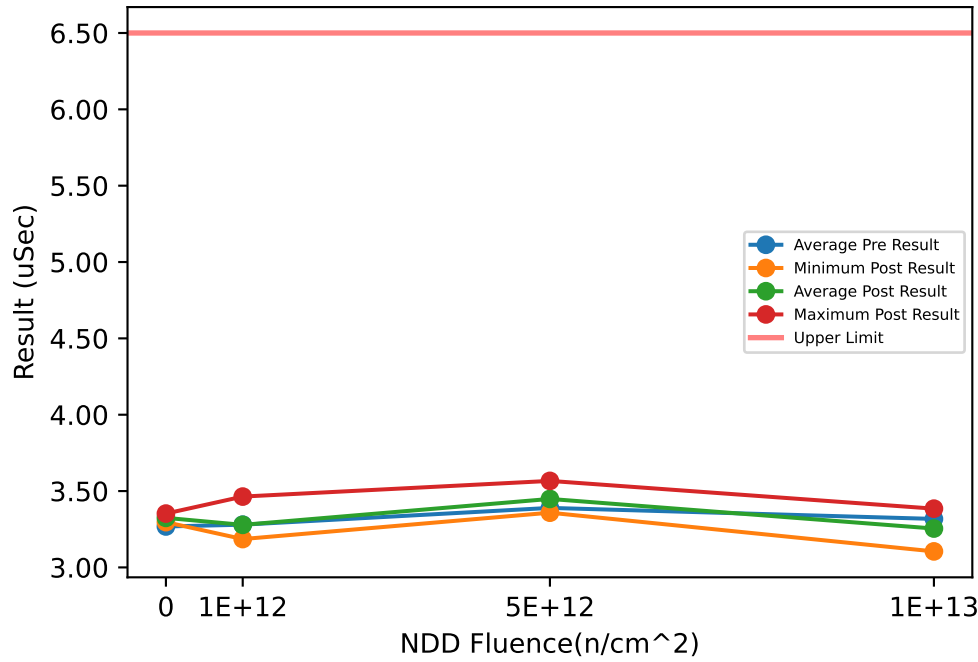


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2617	0.26945	0.2772	0.01096	0.2624	0.27065	0.2789	0.011667	0.0007	0.0012	0.0017	0.00070711
1e+12	0.2692	0.27008	0.2706	0.00063966	0.2679	0.26985	0.2716	0.0019227	-0.0021	-0.000225	0.0011	0.0014773
5e+12	0.2684	0.27087	0.2723	0.0017212	0.2697	0.27133	0.2735	0.0016256	-0.0011	0.00045	0.0024	0.0016823
1e+13	0.2623	0.26505	0.2711	0.004087	0.2621	0.26485	0.271	0.0041461	-0.0018	-0.0002	0.0013	0.0012675

Device Test: 17.6 TPD_PWRGD(_DELAY|STEP_UP/PWRGD/1.6/3/0/0/0/@TPD_PWRGD)

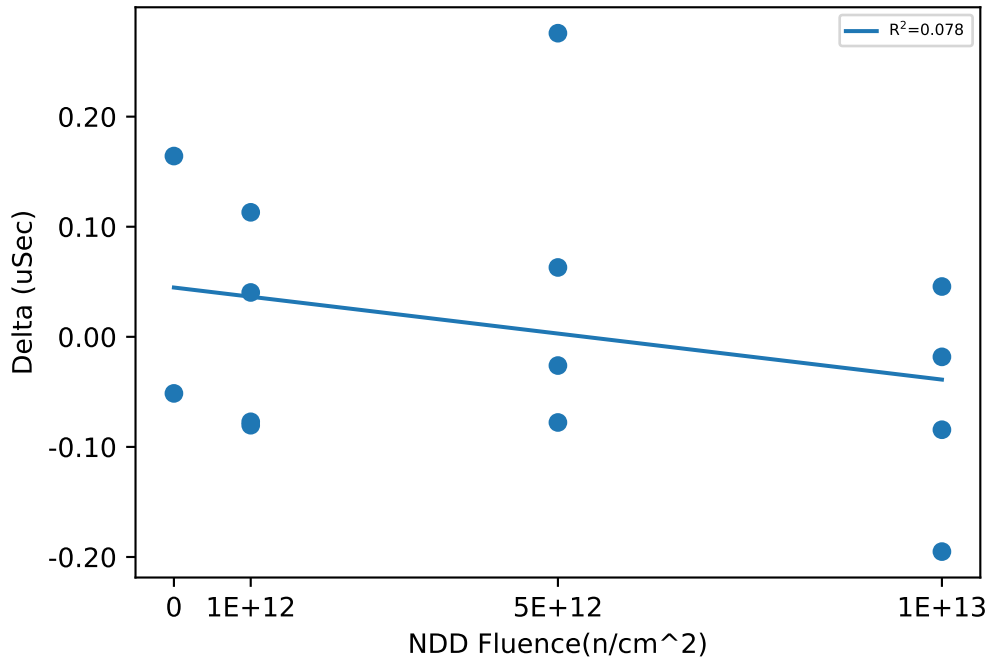
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3508	3.4639	0.1131
2	1e+12	NDD Unbiased	3.2837	3.2034	-0.0803
3	1e+12	NDD Unbiased	3.2629	3.1857	-0.0772
4	1e+12	NDD Unbiased	3.2216	3.2619	0.0403
5	5e+12	NDD Unbiased	3.443	3.4169	-0.0261
6	5e+12	NDD Unbiased	3.5036	3.5666	0.063
7	5e+12	NDD Unbiased	3.1762	3.452	0.2758
8	5e+12	NDD Unbiased	3.4362	3.3584	-0.0778
9	1e+13	NDD Unbiased	3.403	3.3848	-0.0182
10	1e+13	NDD Unbiased	3.3813	3.2969	-0.0844
11	1e+13	NDD Unbiased	3.3	3.1049	-0.1951
12	1e+13	NDD Unbiased	3.1862	3.2319	0.0457
53	0	Correlation	3.3478	3.2964	-0.0514
54	0	Correlation	3.1884	3.3526	0.1642

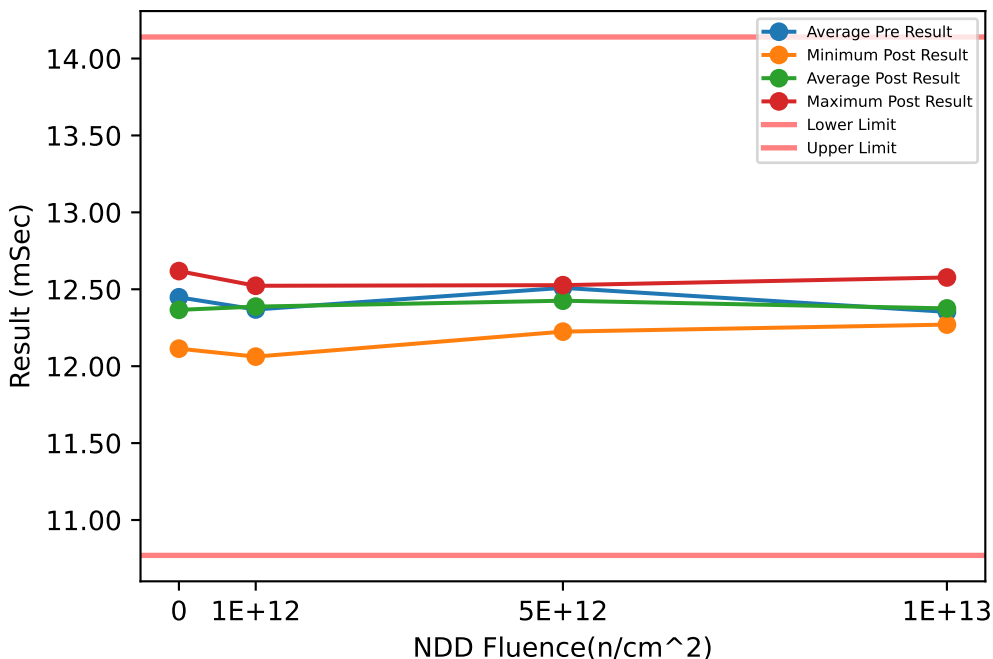
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1884	3.2681	3.3478	0.11271	3.2964	3.3245	3.3526	0.039739	-0.0514	0.0564	0.1642	0.15245
1e+12	3.2216	3.2797	3.3508	0.053941	3.1857	3.2787	3.4639	0.12767	-0.0803	-0.001025	0.1131	0.094551
5e+12	3.1762	3.3898	3.5036	0.14555	3.3584	3.4485	3.5666	0.087705	-0.0778	0.058725	0.2758	0.15596
1e+13	3.1862	3.3176	3.403	0.098195	3.1049	3.2546	3.3848	0.11785	-0.1951	-0.063	0.0457	0.10284

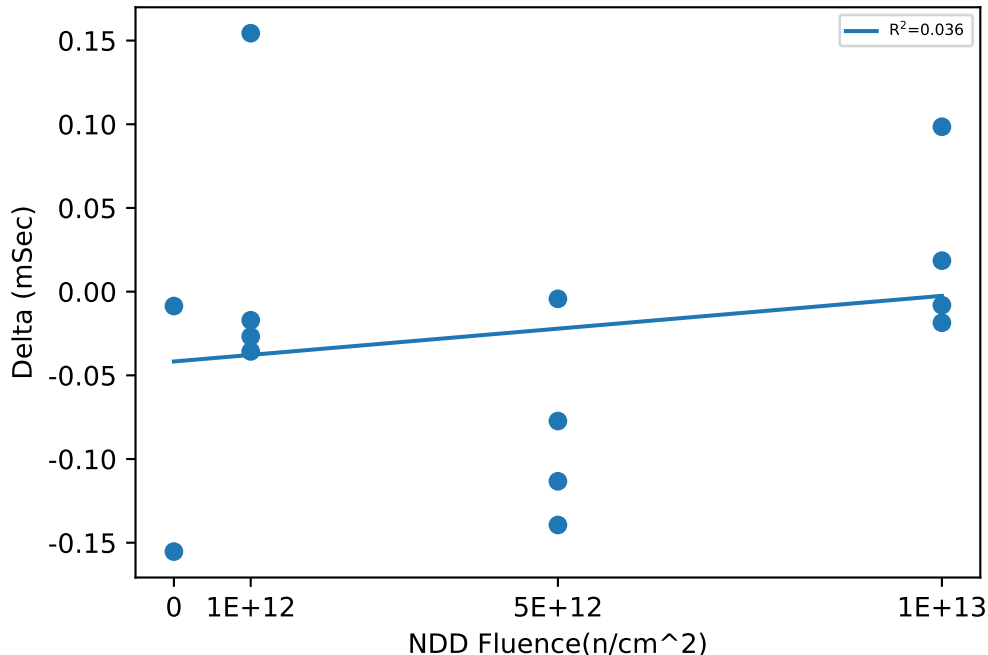
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.343	12.498	0.1544
2	1e+12	NDD Unbiased	12.55	12.523	-0.0268
3	1e+12	NDD Unbiased	12.483	12.466	-0.0171
4	1e+12	NDD Unbiased	12.098	12.062	-0.0357
5	5e+12	NDD Unbiased	12.633	12.52	-0.1133
6	5e+12	NDD Unbiased	12.229	12.225	-0.0043
7	5e+12	NDD Unbiased	12.604	12.527	-0.0773
8	5e+12	NDD Unbiased	12.572	12.432	-0.1394
9	1e+13	NDD Unbiased	12.172	12.27	0.0985
10	1e+13	NDD Unbiased	12.595	12.577	-0.0186
11	1e+13	NDD Unbiased	12.291	12.31	0.0185
12	1e+13	NDD Unbiased	12.354	12.346	-0.0081
53	0	Correlation	12.269	12.114	-0.1553
54	0	Correlation	12.627	12.618	-0.0086

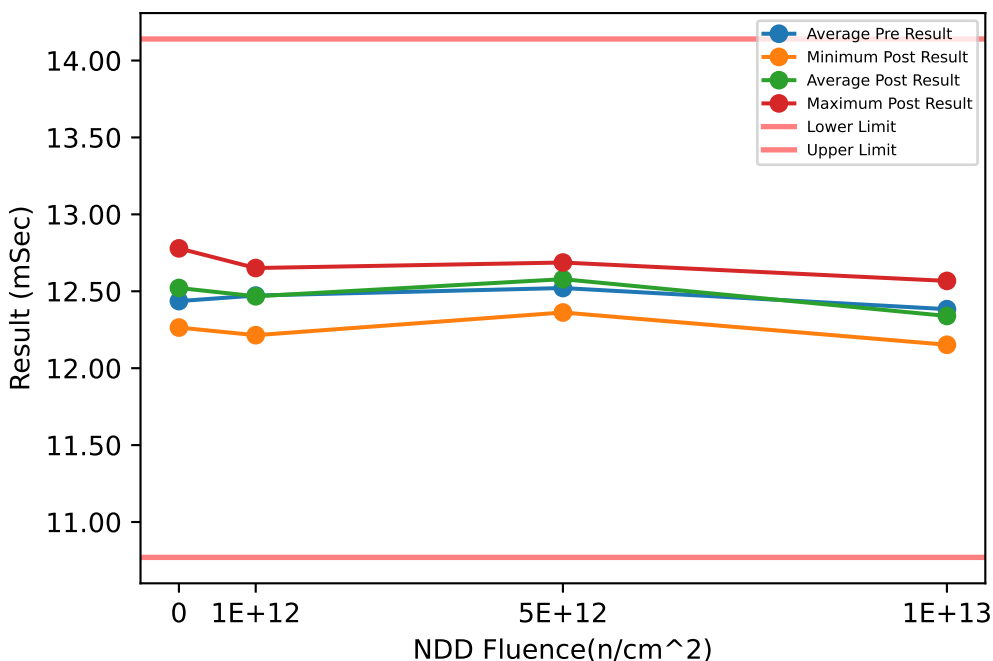
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.269	12.448	12.627	0.25279	12.114	12.366	12.618	0.35652	-0.1553	-0.08195	-0.0086	0.10373
1e+12	12.098	12.369	12.55	0.19987	12.062	12.387	12.523	0.21794	-0.0357	0.0187	0.1544	0.090785
5e+12	12.229	12.509	12.633	0.1886	12.225	12.426	12.527	0.14081	-0.1394	-0.083575	-0.0043	0.058663
1e+13	12.172	12.353	12.595	0.17827	12.27	12.376	12.577	0.1375	-0.0186	0.022575	0.0985	0.05297

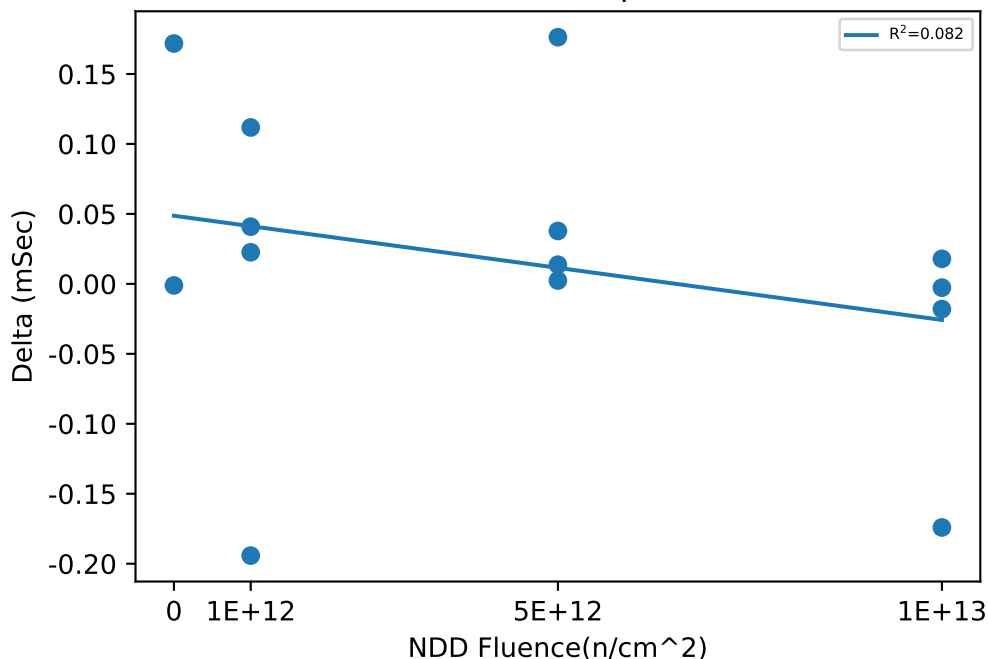
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.473	12.496	0.0226
2	1e+12	NDD Unbiased	12.703	12.508	-0.1942
3	1e+12	NDD Unbiased	12.61	12.651	0.0409
4	1e+12	NDD Unbiased	12.103	12.215	0.1118
5	5e+12	NDD Unbiased	12.649	12.687	0.0378
6	5e+12	NDD Unbiased	12.348	12.362	0.0137
7	5e+12	NDD Unbiased	12.51	12.686	0.1763
8	5e+12	NDD Unbiased	12.577	12.58	0.0024
9	1e+13	NDD Unbiased	12.326	12.152	-0.1741
10	1e+13	NDD Unbiased	12.585	12.567	-0.018
11	1e+13	NDD Unbiased	12.29	12.287	-0.0027
12	1e+13	NDD Unbiased	12.333	12.351	0.0179
53	0	Correlation	12.265	12.264	-0.0011
54	0	Correlation	12.607	12.779	0.1718

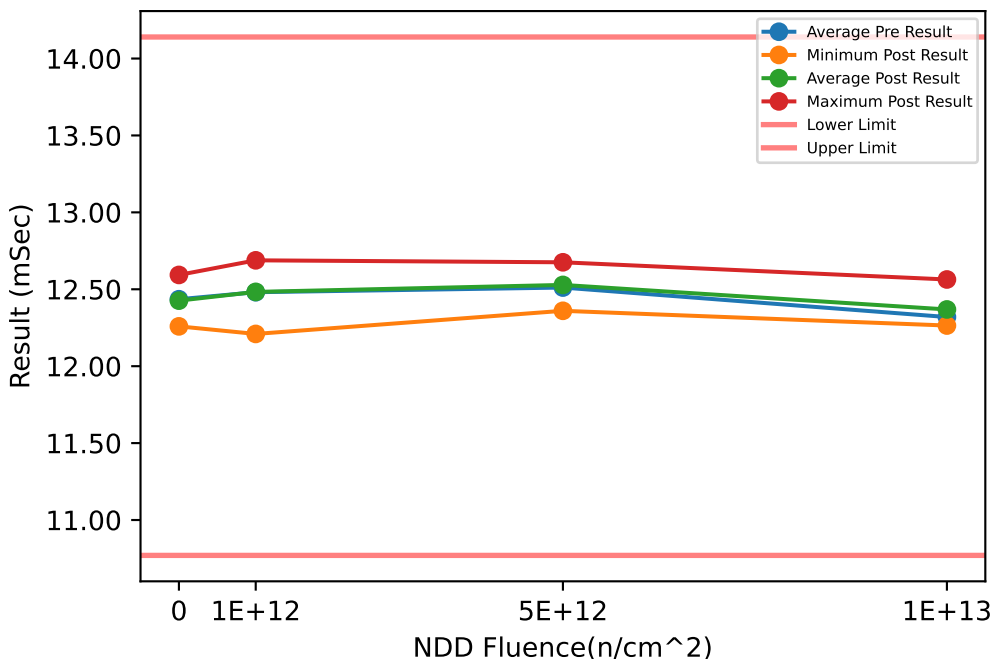
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.265	12.436	12.607	0.24176	12.264	12.521	12.779	0.36402	-0.0011	0.08535	0.1718	0.12226
1e+12	12.103	12.472	12.703	0.26368	12.215	12.467	12.651	0.18269	-0.1942	-0.004725	0.1118	0.13204
5e+12	12.348	12.521	12.649	0.12845	12.362	12.579	12.687	0.1529	0.0024	0.05755	0.1763	0.080532
1e+13	12.29	12.384	12.585	0.13581	12.152	12.34	12.567	0.17309	-0.1741	-0.044225	0.0179	0.087824

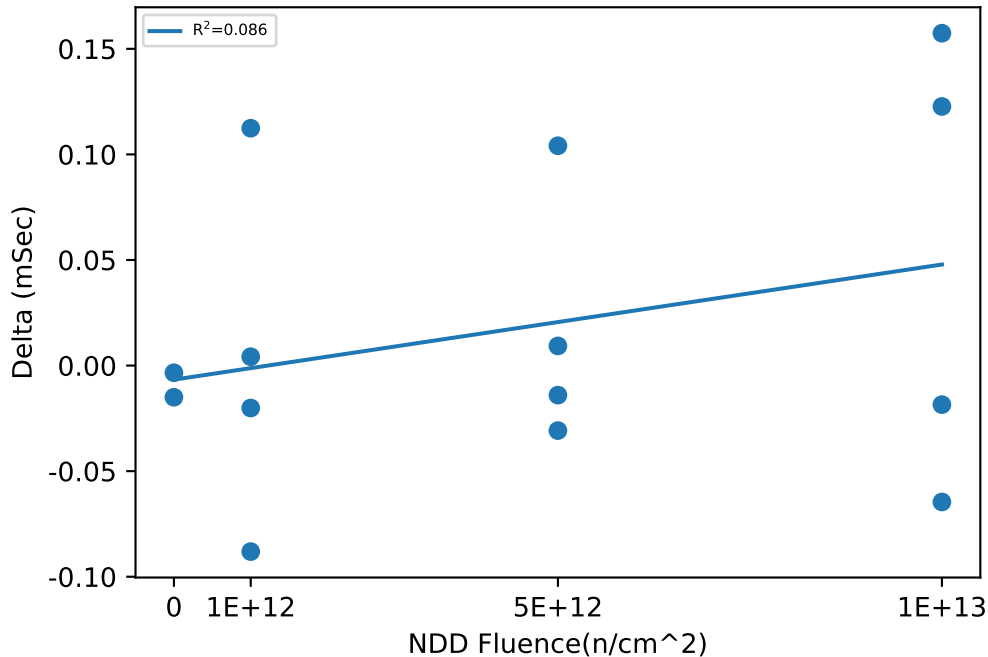
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.477	12.481	0.0042
2	1e+12	NDD Unbiased	12.708	12.688	-0.0201
3	1e+12	NDD Unbiased	12.641	12.553	-0.0881
4	1e+12	NDD Unbiased	12.097	12.21	0.1124
5	5e+12	NDD Unbiased	12.571	12.675	0.1041
6	5e+12	NDD Unbiased	12.351	12.36	0.0093
7	5e+12	NDD Unbiased	12.512	12.498	-0.014
8	5e+12	NDD Unbiased	12.61	12.579	-0.0308
9	1e+13	NDD Unbiased	12.329	12.264	-0.0646
10	1e+13	NDD Unbiased	12.582	12.564	-0.0185
11	1e+13	NDD Unbiased	12.159	12.282	0.1227
12	1e+13	NDD Unbiased	12.208	12.366	0.1574
53	0	Correlation	12.262	12.259	-0.0034
54	0	Correlation	12.608	12.593	-0.015

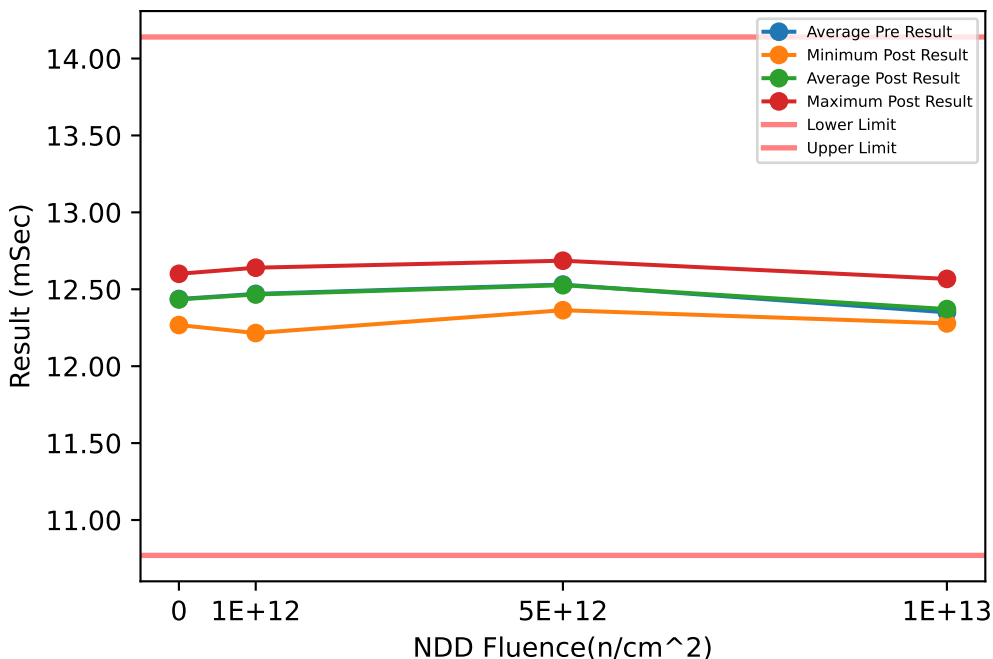
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.262	12.435	12.608	0.24459	12.259	12.426	12.593	0.23639	-0.015	-0.0092	-0.0034	0.0082024
1e+12	12.097	12.481	12.708	0.27352	12.21	12.483	12.688	0.20138	-0.0881	0.0021	0.1124	0.083265
5e+12	12.351	12.511	12.61	0.1143	12.36	12.528	12.675	0.13352	-0.0308	0.01715	0.1041	0.060253
1e+13	12.159	12.32	12.582	0.18904	12.264	12.369	12.564	0.13724	-0.0646	0.04925	0.1574	0.10746

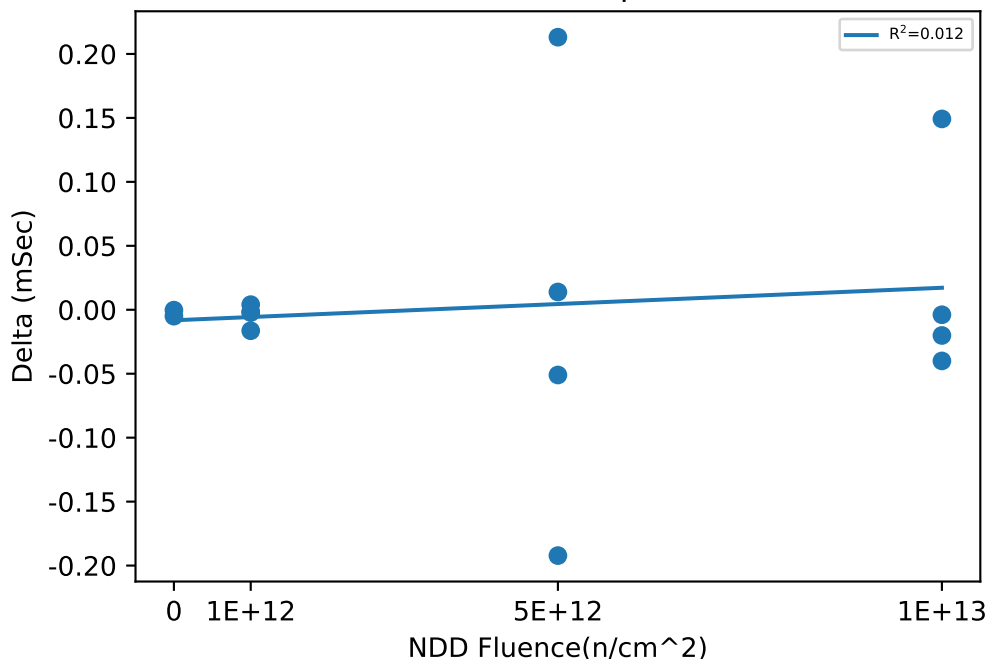
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.493	12.497	0.004
2	1e+12	NDD Unbiased	12.527	12.511	-0.0164
3	1e+12	NDD Unbiased	12.642	12.64	-0.0016
4	1e+12	NDD Unbiased	12.218	12.216	-0.0022
5	5e+12	NDD Unbiased	12.473	12.686	0.2131
6	5e+12	NDD Unbiased	12.35	12.364	0.0139
7	5e+12	NDD Unbiased	12.69	12.498	-0.1922
8	5e+12	NDD Unbiased	12.61	12.559	-0.051
9	1e+13	NDD Unbiased	12.318	12.278	-0.04
10	1e+13	NDD Unbiased	12.588	12.568	-0.0201
11	1e+13	NDD Unbiased	12.292	12.288	-0.0039
12	1e+13	NDD Unbiased	12.202	12.351	0.1492
53	0	Correlation	12.268	12.268	-0.0003
54	0	Correlation	12.606	12.601	-0.005

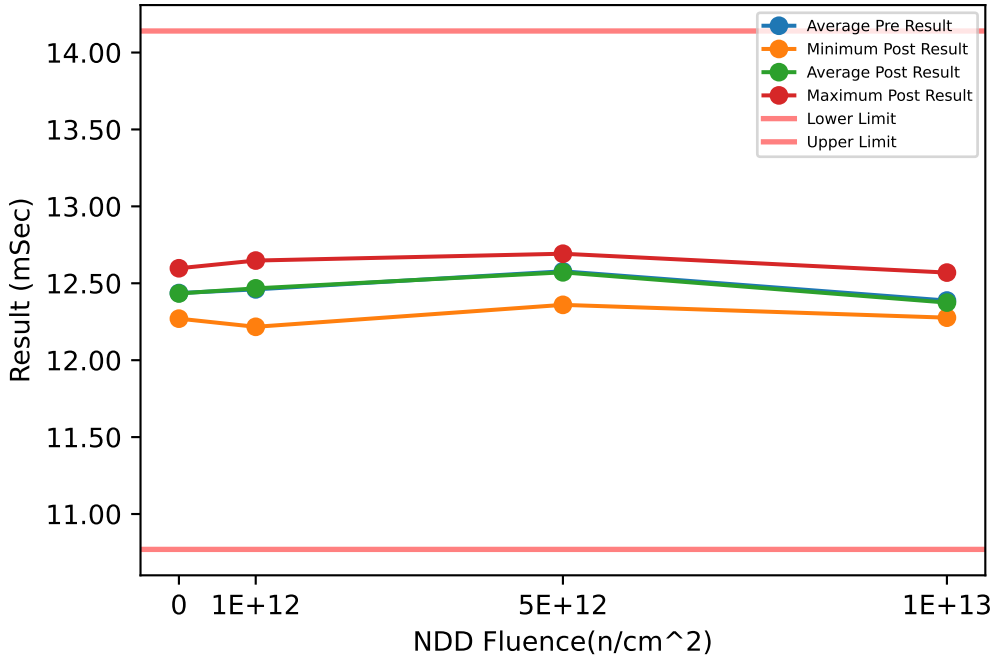
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.268	12.437	12.606	0.23886	12.268	12.434	12.601	0.23554	-0.005	-0.00265	-0.0003	0.0033234
1e+12	12.218	12.47	12.642	0.17981	12.216	12.466	12.64	0.17897	-0.0164	-0.00405	0.004	0.0086939
5e+12	12.35	12.531	12.69	0.15024	12.364	12.527	12.686	0.13373	-0.1922	-0.00405	0.2131	0.16841
1e+13	12.202	12.35	12.588	0.16607	12.278	12.371	12.568	0.13473	-0.04	0.0213	0.1492	0.086535

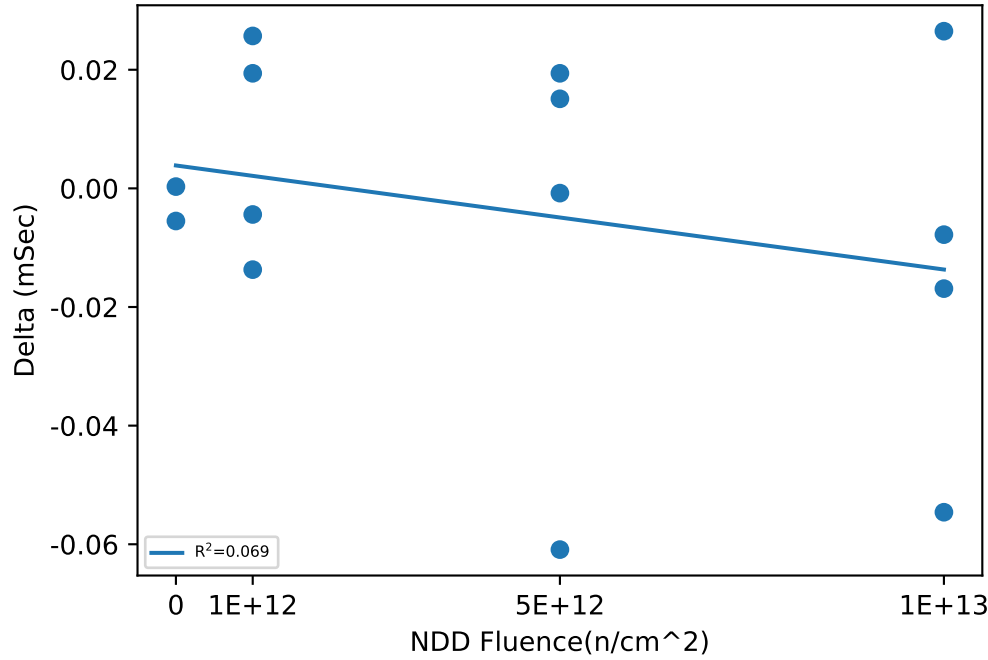
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.467	12.493	0.0257
2	1e+12	NDD Unbiased	12.524	12.51	-0.0137
3	1e+12	NDD Unbiased	12.628	12.648	0.0194
4	1e+12	NDD Unbiased	12.221	12.217	-0.0044
5	5e+12	NDD Unbiased	12.67	12.685	0.0151
6	5e+12	NDD Unbiased	12.34	12.36	0.0194
7	5e+12	NDD Unbiased	12.693	12.692	-0.0008
8	5e+12	NDD Unbiased	12.608	12.547	-0.0609
9	1e+13	NDD Unbiased	12.331	12.276	-0.0546
10	1e+13	NDD Unbiased	12.586	12.569	-0.0169
11	1e+13	NDD Unbiased	12.293	12.286	-0.0078
12	1e+13	NDD Unbiased	12.34	12.367	0.0265
53	0	Correlation	12.27	12.27	0.0003
54	0	Correlation	12.603	12.598	-0.0055

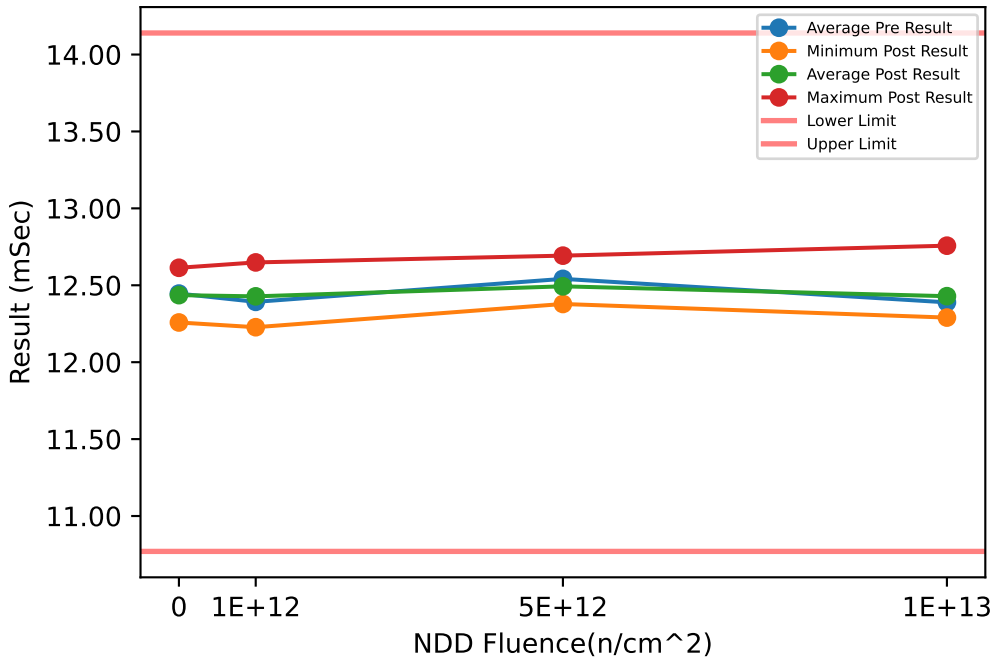
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.27	12.436	12.603	0.23575	12.27	12.434	12.598	0.23165	-0.0055	-0.0026	0.0003	0.0041012
1e+12	12.221	12.46	12.628	0.17264	12.217	12.467	12.648	0.18047	-0.0137	0.00675	0.0257	0.018812
5e+12	12.34	12.578	12.693	0.16238	12.36	12.571	12.692	0.1559	-0.0609	-0.0068	0.0194	0.037098
1e+13	12.293	12.388	12.586	0.13397	12.276	12.375	12.569	0.13613	-0.0546	-0.0132	0.0265	0.033331

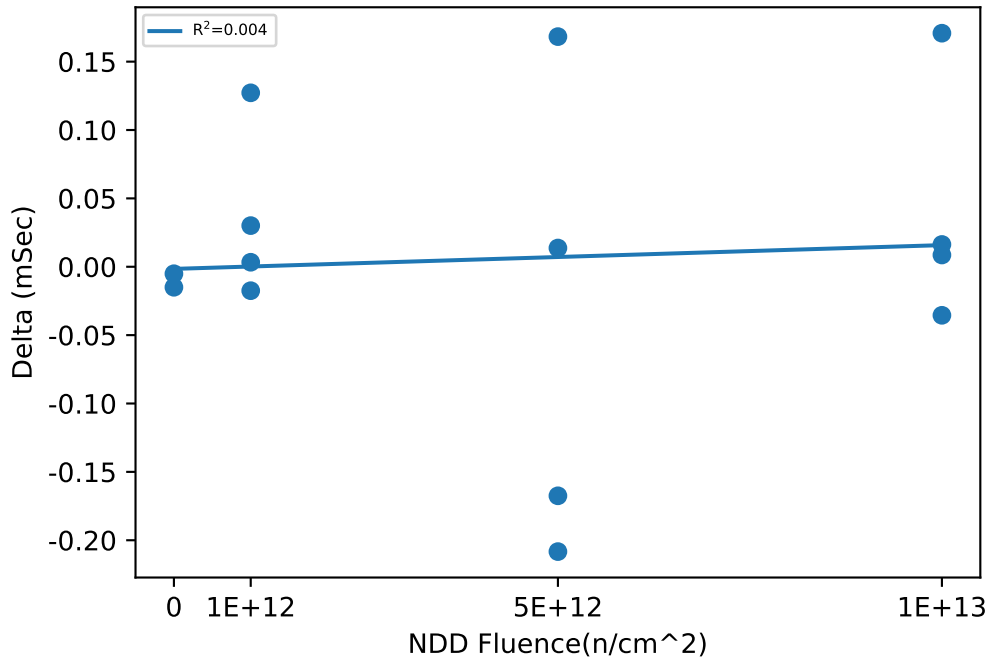
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.313	12.316	0.0033
2	1e+12	NDD Unbiased	12.538	12.52	-0.0175
3	1e+12	NDD Unbiased	12.618	12.649	0.0301
4	1e+12	NDD Unbiased	12.1	12.227	0.1272
5	5e+12	NDD Unbiased	12.67	12.502	-0.1675
6	5e+12	NDD Unbiased	12.365	12.378	0.0137
7	5e+12	NDD Unbiased	12.524	12.693	0.1683
8	5e+12	NDD Unbiased	12.608	12.399	-0.2083
9	1e+13	NDD Unbiased	12.325	12.29	-0.0355
10	1e+13	NDD Unbiased	12.587	12.757	0.1708
11	1e+13	NDD Unbiased	12.296	12.304	0.0086
12	1e+13	NDD Unbiased	12.348	12.365	0.0163
53	0	Correlation	12.273	12.258	-0.015
54	0	Correlation	12.619	12.614	-0.0051

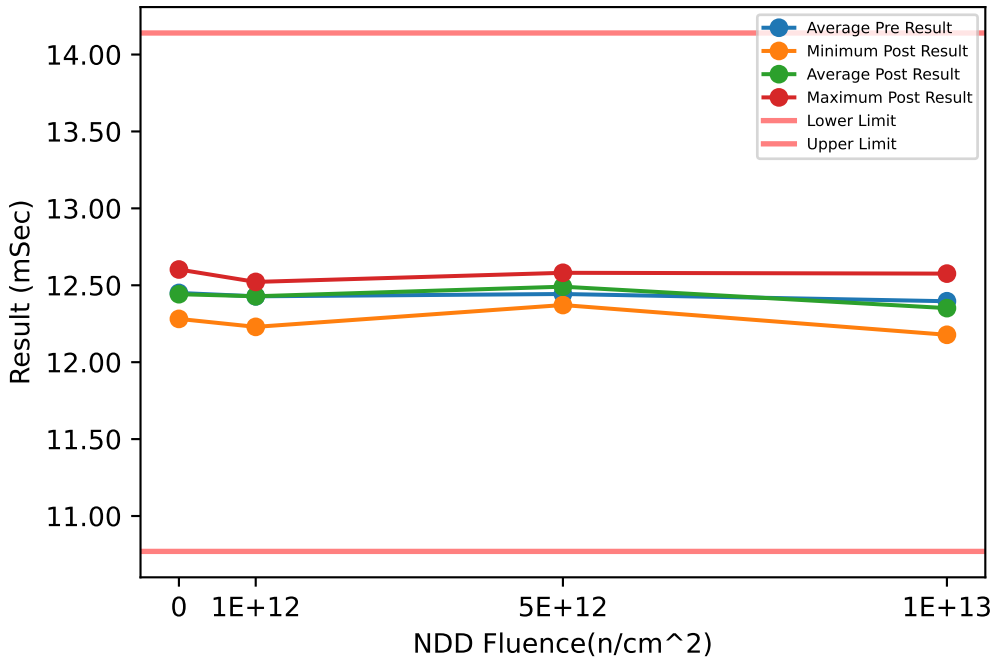
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.273	12.446	12.619	0.24438	12.258	12.436	12.614	0.25138	-0.015	-0.01005	-0.0051	0.0070004
1e+12	12.1	12.392	12.618	0.23378	12.227	12.428	12.649	0.19144	-0.0175	0.035775	0.1272	0.063989
5e+12	12.365	12.542	12.67	0.13217	12.378	12.493	12.693	0.14357	-0.2083	-0.04845	0.1683	0.17375
1e+13	12.296	12.389	12.587	0.13348	12.29	12.429	12.757	0.22127	-0.0355	0.04005	0.1708	0.090105

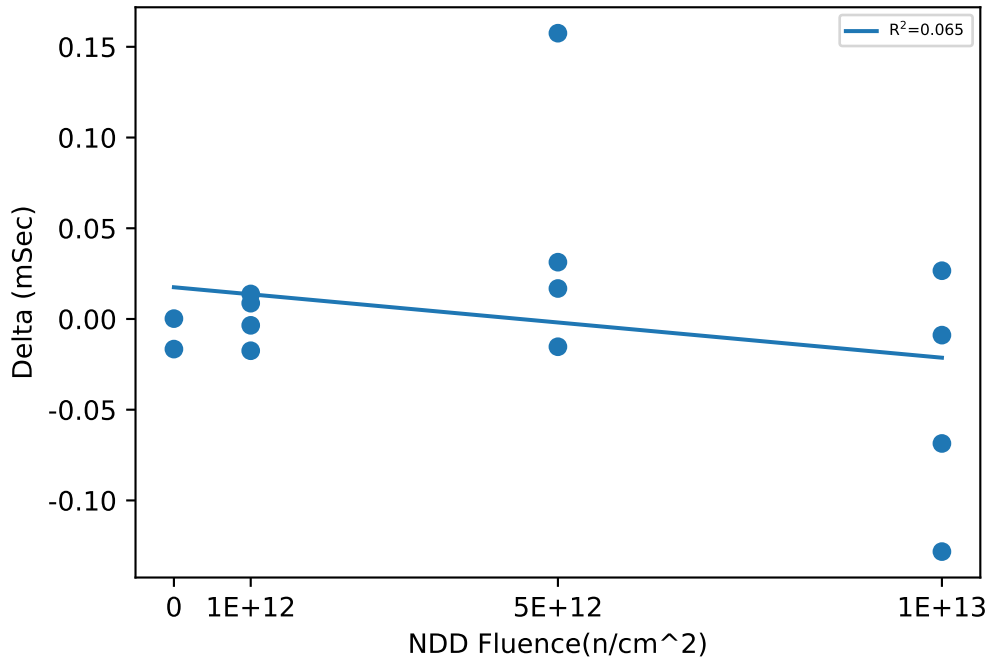
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.483	12.496	0.0138
2	1e+12	NDD Unbiased	12.539	12.522	-0.0175
3	1e+12	NDD Unbiased	12.458	12.466	0.0087
4	1e+12	NDD Unbiased	12.233	12.23	-0.0035
5	5e+12	NDD Unbiased	12.485	12.502	0.0168
6	5e+12	NDD Unbiased	12.34	12.372	0.0313
7	5e+12	NDD Unbiased	12.524	12.509	-0.0153
8	5e+12	NDD Unbiased	12.424	12.581	0.1575
9	1e+13	NDD Unbiased	12.342	12.274	-0.0686
10	1e+13	NDD Unbiased	12.585	12.576	-0.0089
11	1e+13	NDD Unbiased	12.306	12.178	-0.1282
12	1e+13	NDD Unbiased	12.352	12.378	0.0266
53	0	Correlation	12.281	12.281	0.0002
54	0	Correlation	12.619	12.603	-0.0166

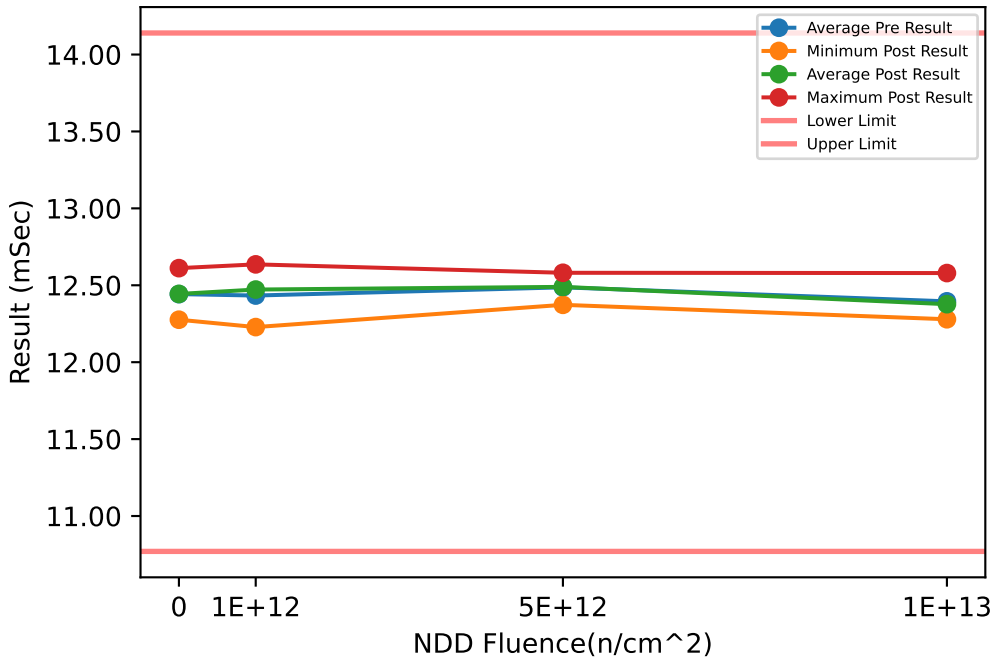
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.281	12.45	12.619	0.239	12.281	12.442	12.603	0.22712	-0.0166	-0.0082	0.0002	0.011879
1e+12	12.233	12.428	12.539	0.13446	12.23	12.429	12.522	0.13455	-0.0175	0.000375	0.0138	0.013953
5e+12	12.34	12.443	12.524	0.080153	12.372	12.491	12.581	0.087199	-0.0153	0.047575	0.1575	0.075826
1e+13	12.306	12.396	12.585	0.12715	12.178	12.351	12.576	0.17044	-0.1282	-0.044775	0.0266	0.06809

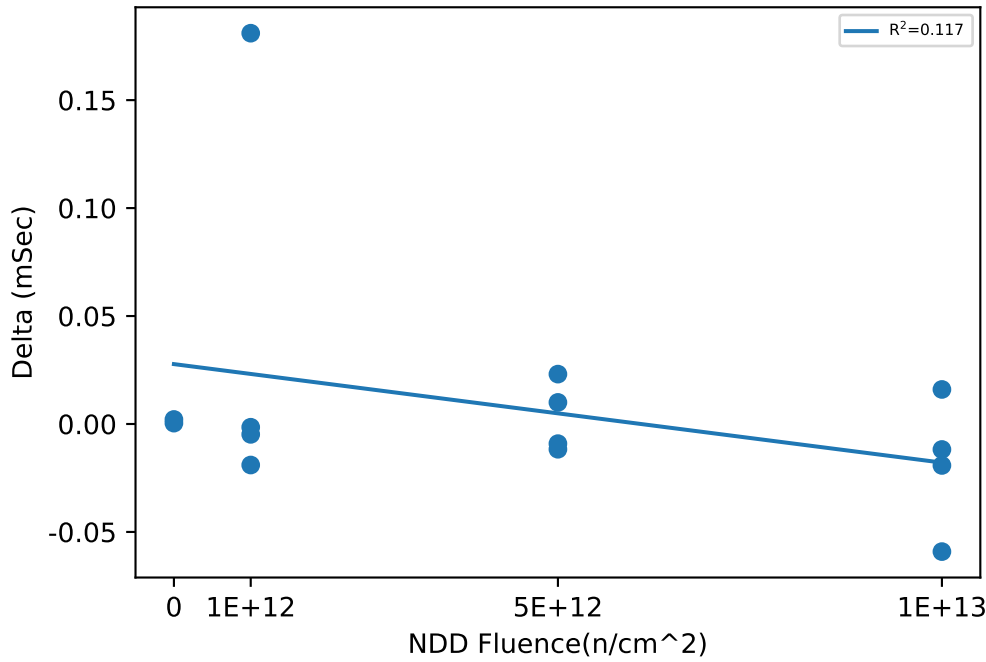
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.506	12.504	-0.0015
2	1e+12	NDD Unbiased	12.54	12.521	-0.019
3	1e+12	NDD Unbiased	12.455	12.636	0.181
4	1e+12	NDD Unbiased	12.233	12.228	-0.0048
5	5e+12	NDD Unbiased	12.473	12.497	0.0231
6	5e+12	NDD Unbiased	12.363	12.373	0.01
7	5e+12	NDD Unbiased	12.517	12.508	-0.0091
8	5e+12	NDD Unbiased	12.593	12.581	-0.0117
9	1e+13	NDD Unbiased	12.338	12.279	-0.0591
10	1e+13	NDD Unbiased	12.599	12.579	-0.0192
11	1e+13	NDD Unbiased	12.301	12.289	-0.0118
12	1e+13	NDD Unbiased	12.345	12.361	0.016
53	0	Correlation	12.276	12.276	0.0004
54	0	Correlation	12.609	12.611	0.0021

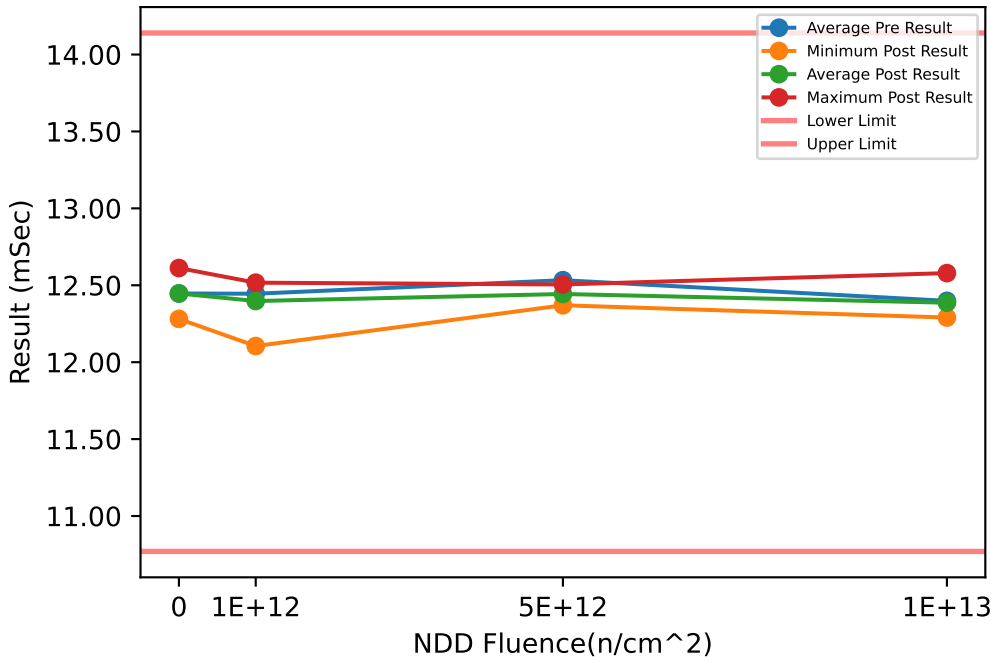
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.276	12.442	12.609	0.23589	12.276	12.444	12.611	0.23709	0.0004	0.00125	0.0021	0.0012021
1e+12	12.233	12.433	12.54	0.13797	12.228	12.472	12.636	0.17291	-0.019	0.038925	0.181	0.09502
5e+12	12.363	12.487	12.593	0.096096	12.373	12.49	12.581	0.086404	-0.0117	0.003075	0.0231	0.016487
1e+13	12.301	12.396	12.599	0.1367	12.279	12.377	12.579	0.13968	-0.0591	-0.018525	0.016	0.031005

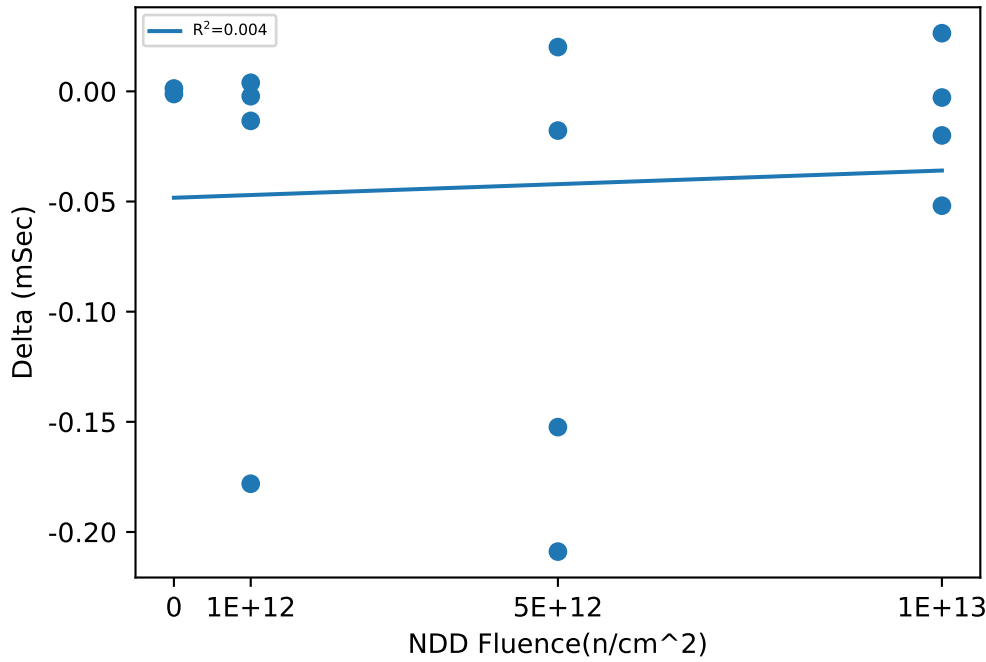
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

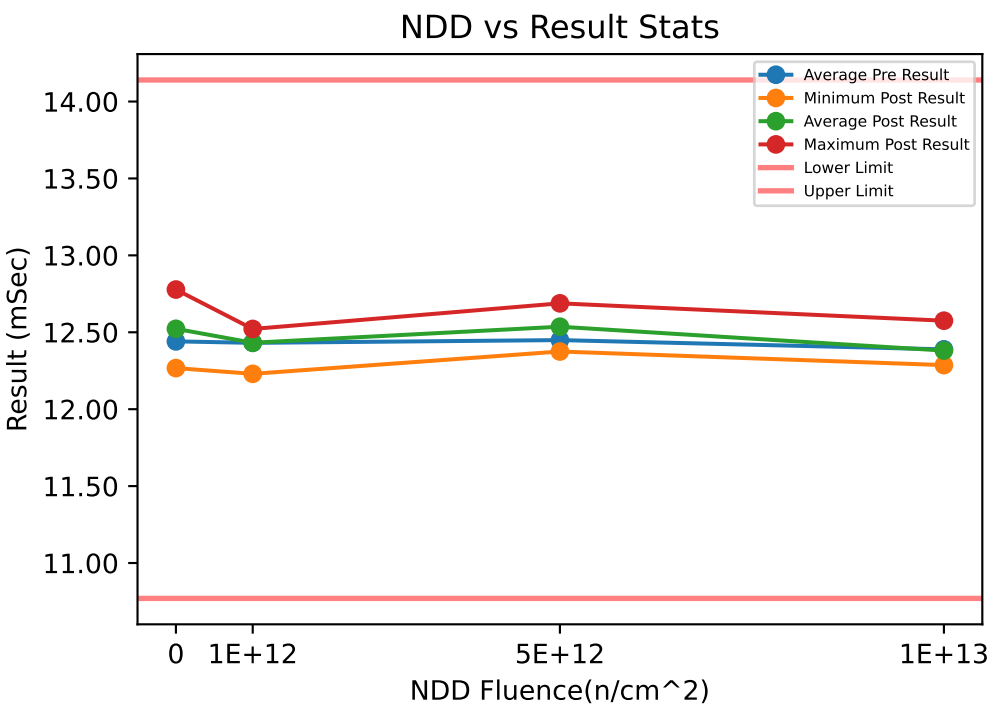
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.504	12.508	0.0039
2	1e+12	NDD Unbiased	12.53	12.517	-0.0134
3	1e+12	NDD Unbiased	12.638	12.46	-0.1781
4	1e+12	NDD Unbiased	12.107	12.105	-0.0022
5	5e+12	NDD Unbiased	12.652	12.5	-0.1524
6	5e+12	NDD Unbiased	12.35	12.37	0.0201
7	5e+12	NDD Unbiased	12.523	12.505	-0.0178
8	5e+12	NDD Unbiased	12.607	12.398	-0.2089
9	1e+13	NDD Unbiased	12.342	12.29	-0.0519
10	1e+13	NDD Unbiased	12.599	12.579	-0.02
11	1e+13	NDD Unbiased	12.303	12.301	-0.0028
12	1e+13	NDD Unbiased	12.351	12.377	0.0264
53	0	Correlation	12.28	12.281	0.0013
54	0	Correlation	12.613	12.612	-0.0012

NDD vs Post - Pre Exposure Delta



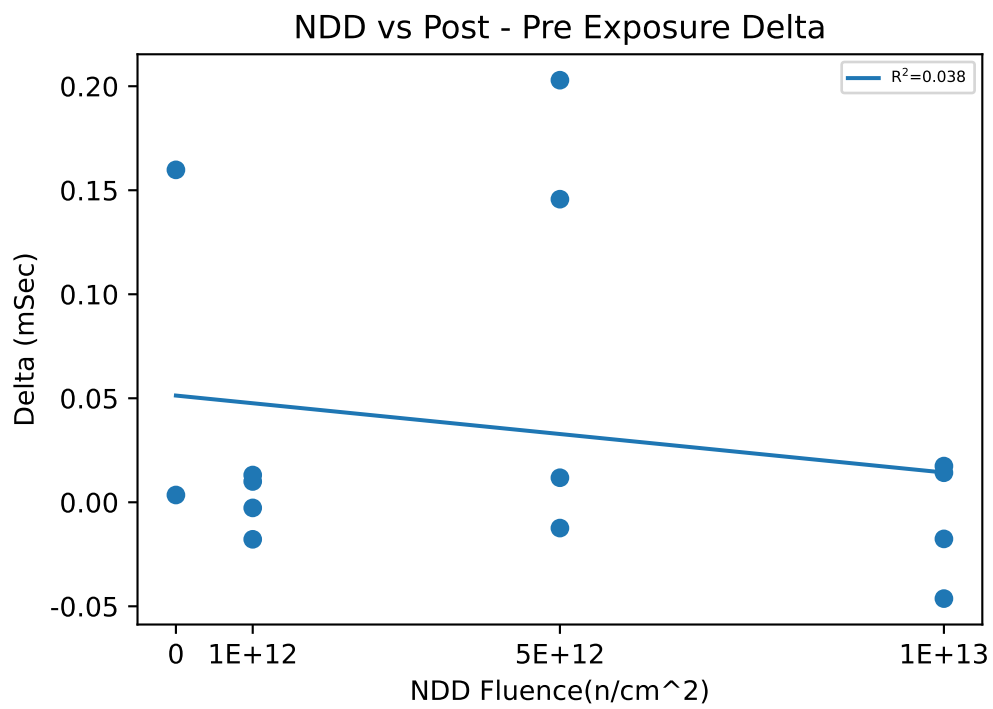
Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.28	12.447	12.613	0.23561	12.281	12.447	12.612	0.23384	-0.0012	5e-05	0.0013	0.0017678
1e+12	12.107	12.445	12.638	0.2325	12.105	12.398	12.517	0.19655	-0.1781	-0.04745	0.0039	0.087394
5e+12	12.35	12.533	12.652	0.13344	12.37	12.443	12.505	0.069375	-0.2089	-0.08975	0.0201	0.10857
1e+13	12.303	12.399	12.599	0.13503	12.29	12.387	12.579	0.13389	-0.0519	-0.012075	0.0264	0.032737



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.497	12.51	0.0131
2	1e+12	NDD Unbiased	12.539	12.522	-0.0178
3	1e+12	NDD Unbiased	12.456	12.466	0.01
4	1e+12	NDD Unbiased	12.233	12.23	-0.0027
5	5e+12	NDD Unbiased	12.485	12.688	0.2029
6	5e+12	NDD Unbiased	12.363	12.375	0.0118
7	5e+12	NDD Unbiased	12.524	12.511	-0.0124
8	5e+12	NDD Unbiased	12.424	12.57	0.1457
9	1e+13	NDD Unbiased	12.333	12.287	-0.0463
10	1e+13	NDD Unbiased	12.593	12.575	-0.0176
11	1e+13	NDD Unbiased	12.285	12.299	0.0142
12	1e+13	NDD Unbiased	12.345	12.363	0.0174
53	0	Correlation	12.264	12.267	0.0035
54	0	Correlation	12.618	12.778	0.1598

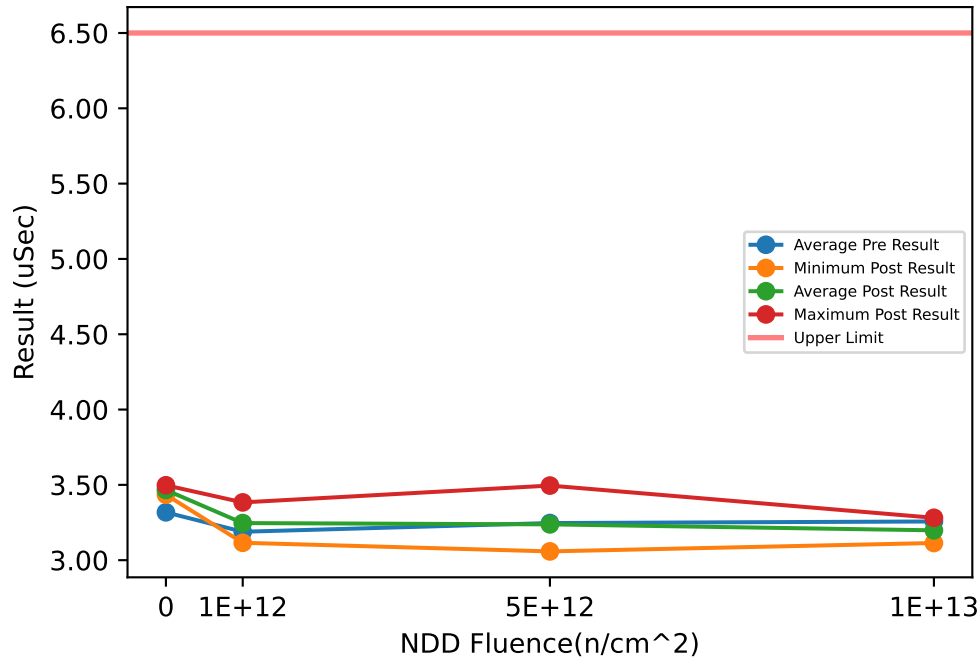


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.264	12.441	12.618	0.25053	12.267	12.523	12.778	0.36105	0.0035	0.08165	0.1598	0.11052
1e+12	12.233	12.431	12.539	0.13671	12.23	12.432	12.522	0.13675	-0.0178	0.00065	0.0131	0.014072
5e+12	12.363	12.449	12.524	0.070409	12.375	12.536	12.688	0.13016	-0.0124	0.087	0.2029	0.10395
1e+13	12.285	12.389	12.593	0.13837	12.287	12.381	12.575	0.13377	-0.0463	-0.008075	0.0174	0.029983

Device Test: 17.7 TPD_EN(_DELAY|STEP_DOWN/EN1/1.6/3/0/0/0/@TPD_EN)

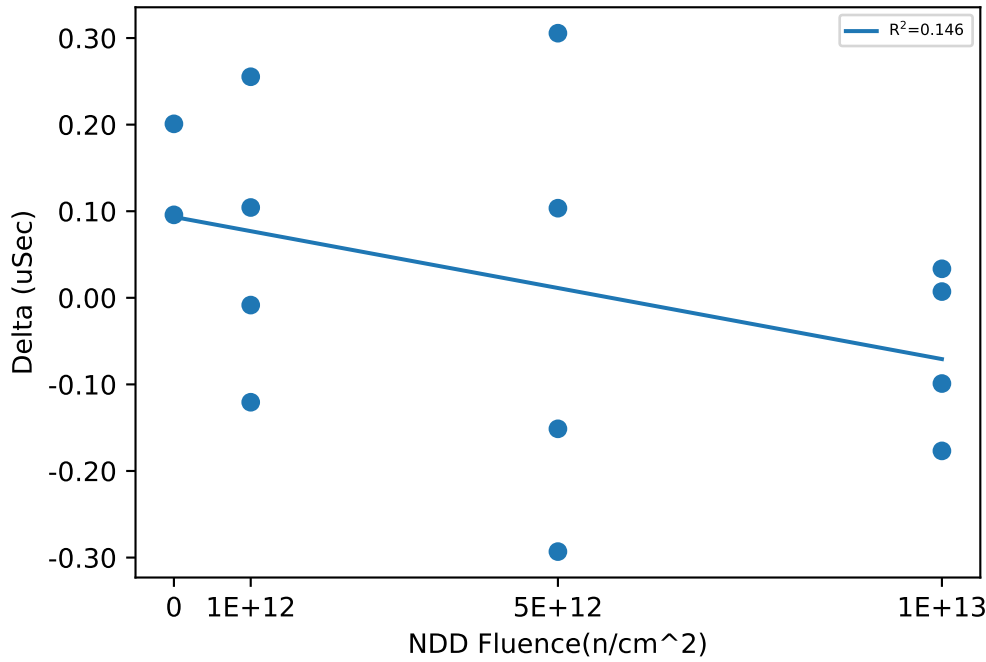
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.4101	3.2895	-0.1206
2	1e+12	NDD Unbiased	3.2049	3.1965	-0.0084
3	1e+12	NDD Unbiased	3.1283	3.3836	0.2553
4	1e+12	NDD Unbiased	3.0113	3.1156	0.1043
5	5e+12	NDD Unbiased	3.3979	3.2466	-0.1513
6	5e+12	NDD Unbiased	3.3514	3.0583	-0.2931
7	5e+12	NDD Unbiased	3.0471	3.1506	0.1035
8	5e+12	NDD Unbiased	3.1897	3.4953	0.3056
9	1e+13	NDD Unbiased	3.213	3.114	-0.099
10	1e+13	NDD Unbiased	3.2972	3.1204	-0.1768
11	1e+13	NDD Unbiased	3.2742	3.2814	0.0072
12	1e+13	NDD Unbiased	3.2435	3.277	0.0335
53	0	Correlation	3.2964	3.4973	0.2009
54	0	Correlation	3.3391	3.4349	0.0958

NDD vs Post - Pre Exposure Delta

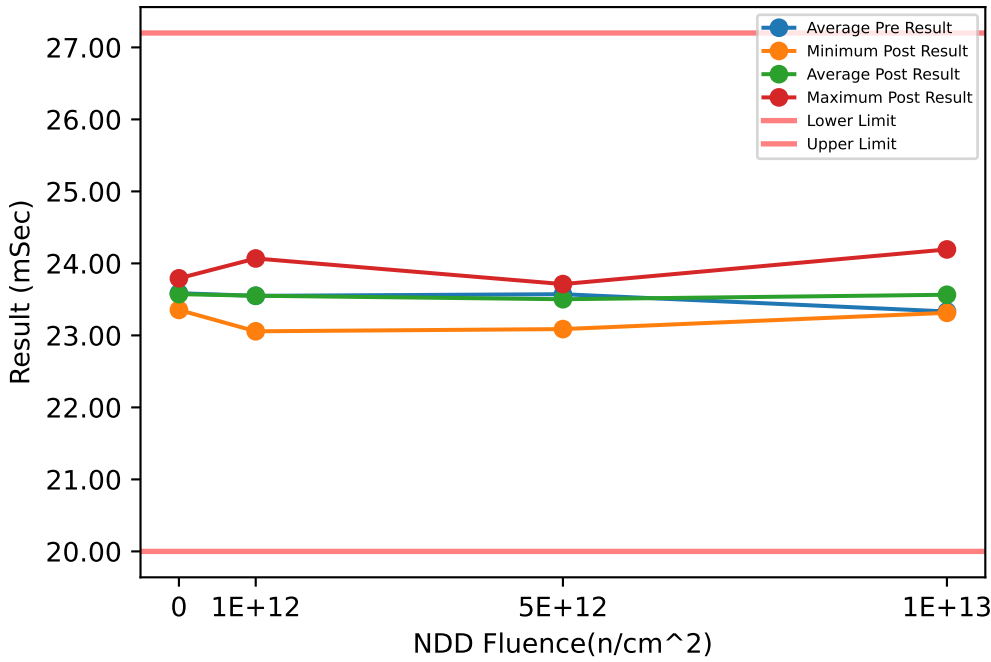


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2964	3.3178	3.3391	0.030193	3.4349	3.4661	3.4973	0.044123	0.0958	0.14835	0.2009	0.074317
1e+12	3.0113	3.1886	3.4101	0.16773	3.1156	3.2463	3.3836	0.11587	-0.1206	0.05765	0.2553	0.1606
5e+12	3.0471	3.2465	3.3979	0.16012	3.0583	3.2377	3.4953	0.18816	-0.2931	-0.008825	0.3056	0.2662
1e+13	3.213	3.257	3.2972	0.036652	3.114	3.1982	3.2814	0.093584	-0.1768	-0.058775	0.0335	0.097323

Device Test: 17.70 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN1/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM)

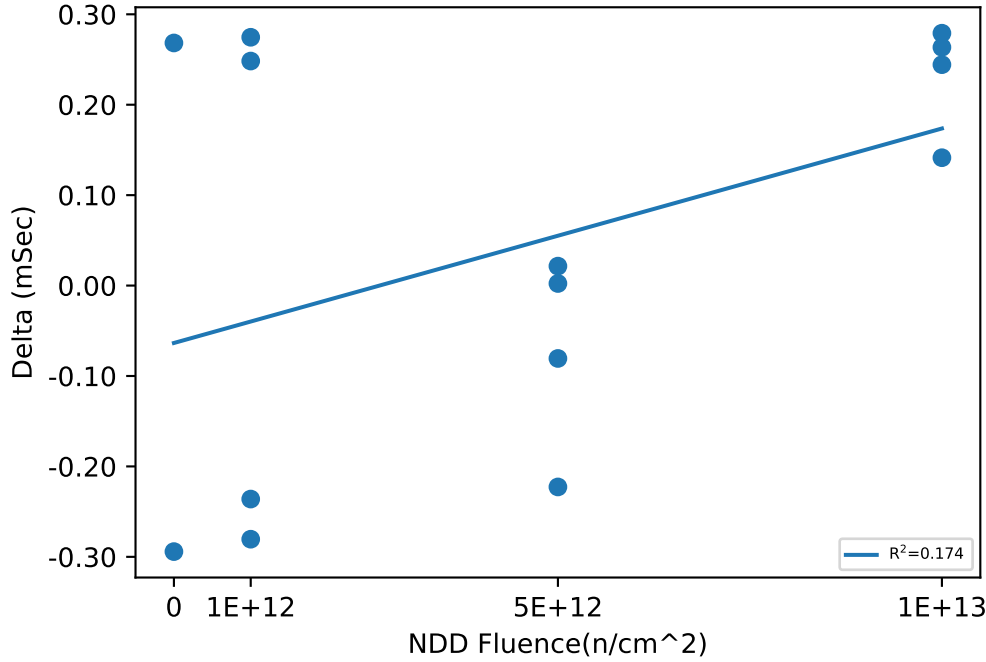
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.622	23.386	-0.2361
2	1e+12	NDD Unbiased	23.82	24.068	0.2483
3	1e+12	NDD Unbiased	23.972	23.692	-0.2805
4	1e+12	NDD Unbiased	22.782	23.057	0.2746
5	5e+12	NDD Unbiased	23.874	23.651	-0.2227
6	5e+12	NDD Unbiased	23.066	23.088	0.0215
7	5e+12	NDD Unbiased	23.71	23.713	0.0023
8	5e+12	NDD Unbiased	23.638	23.558	-0.0806
9	1e+13	NDD Unbiased	23.208	23.349	0.1414
10	1e+13	NDD Unbiased	23.915	24.194	0.2791
11	1e+13	NDD Unbiased	23.05	23.314	0.2635
12	1e+13	NDD Unbiased	23.157	23.401	0.2443
53	0	Correlation	23.086	23.354	0.2683
54	0	Correlation	24.087	23.793	-0.2942

NDD vs Post - Pre Exposure Delta

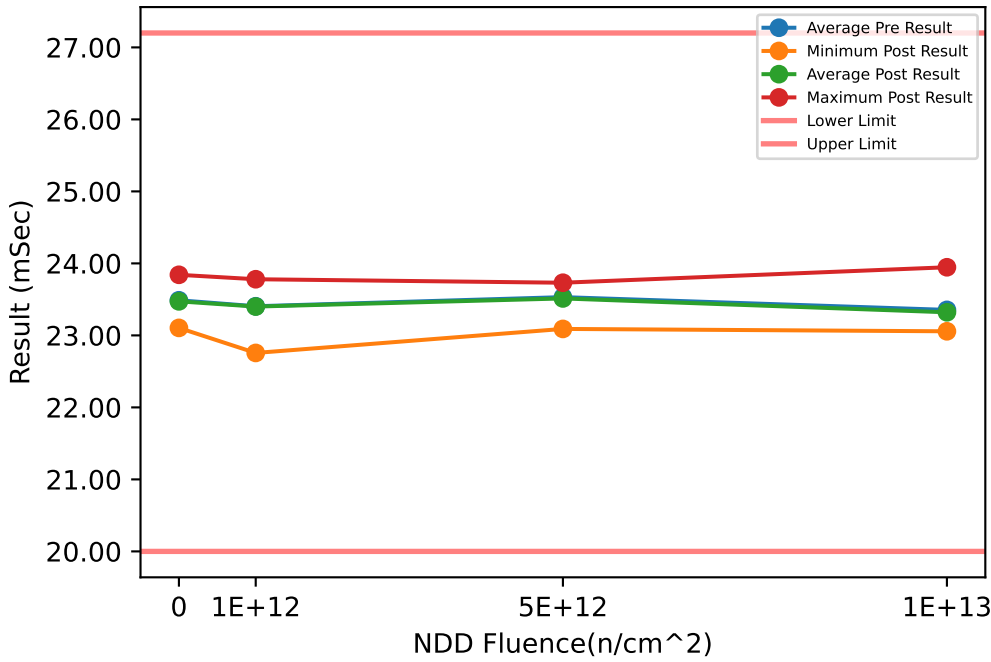


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.086	23.586	24.087	0.70788	23.354	23.573	23.793	0.31014	-0.2942	-0.01295	0.2683	0.39775
1e+12	22.782	23.549	23.972	0.53093	23.057	23.551	24.068	0.43152	-0.2805	0.001575	0.2746	0.30082
5e+12	23.066	23.572	23.874	0.35153	23.088	23.502	23.713	0.28373	-0.2227	-0.069875	0.0215	0.1111
1e+13	23.05	23.332	23.915	0.39375	23.314	23.564	24.194	0.42111	0.1414	0.23208	0.2791	0.062103

Device Test: 17.71 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN2/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM)

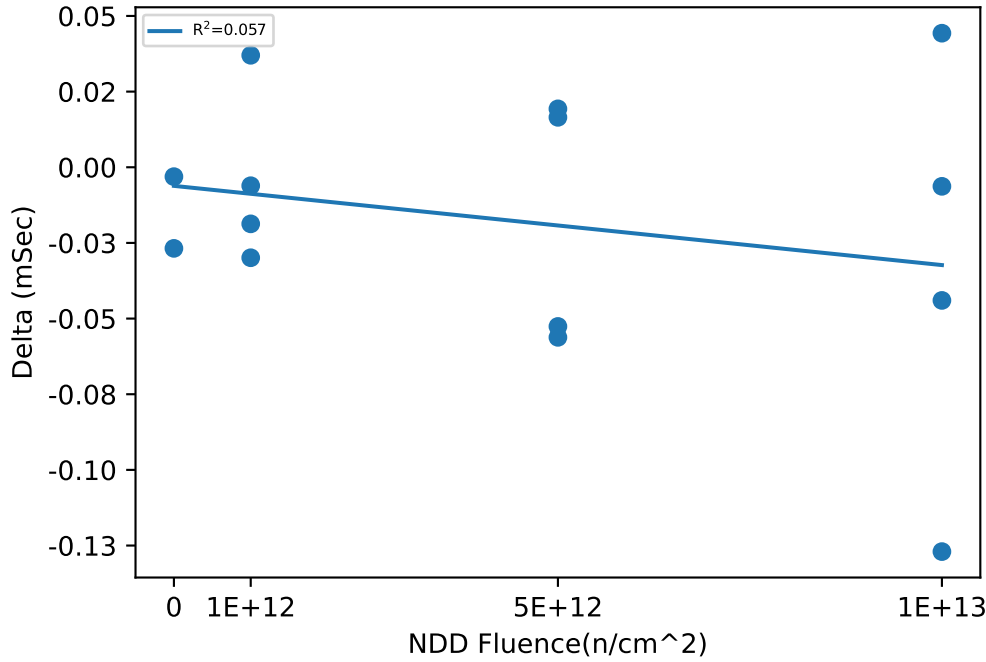
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.353	23.347	-0.0061
2	1e+12	NDD Unbiased	23.81	23.78	-0.0299
3	1e+12	NDD Unbiased	23.681	23.718	0.037
4	1e+12	NDD Unbiased	22.775	22.756	-0.0187
5	5e+12	NDD Unbiased	23.649	23.666	0.0165
6	5e+12	NDD Unbiased	23.071	23.09	0.0193
7	5e+12	NDD Unbiased	23.784	23.732	-0.0526
8	5e+12	NDD Unbiased	23.622	23.566	-0.0562
9	1e+13	NDD Unbiased	23.238	23.111	-0.127
10	1e+13	NDD Unbiased	23.99	23.946	-0.044
11	1e+13	NDD Unbiased	23.063	23.057	-0.0063
12	1e+13	NDD Unbiased	23.125	23.169	0.0443
53	0	Correlation	23.107	23.104	-0.0031
54	0	Correlation	23.868	23.842	-0.0268

NDD vs Post - Pre Exposure Delta

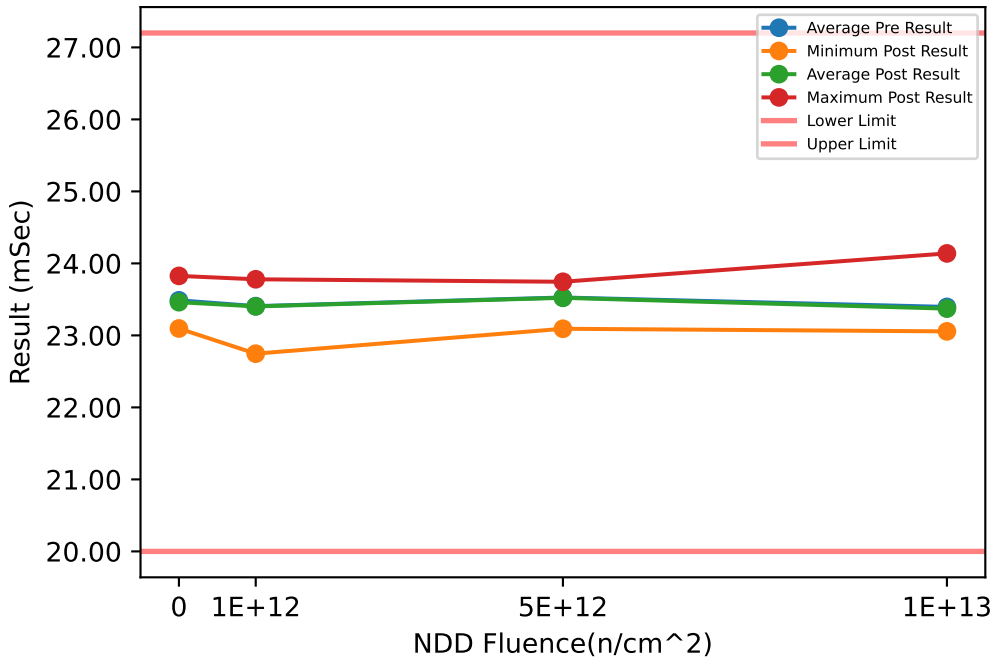


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.107	23.488	23.868	0.53818	23.104	23.473	23.842	0.52142	-0.0268	-0.01495	-0.0031	0.016758
1e+12	22.775	23.405	23.81	0.46182	22.756	23.4	23.78	0.47005	-0.0299	-0.004425	0.037	0.029278
5e+12	23.071	23.532	23.784	0.31536	23.09	23.513	23.732	0.29037	-0.0562	-0.01825	0.0193	0.041784
1e+13	23.063	23.354	23.99	0.43017	23.057	23.321	23.946	0.41937	-0.127	-0.03325	0.0443	0.072215

Device Test: 17.72 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN3/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM)

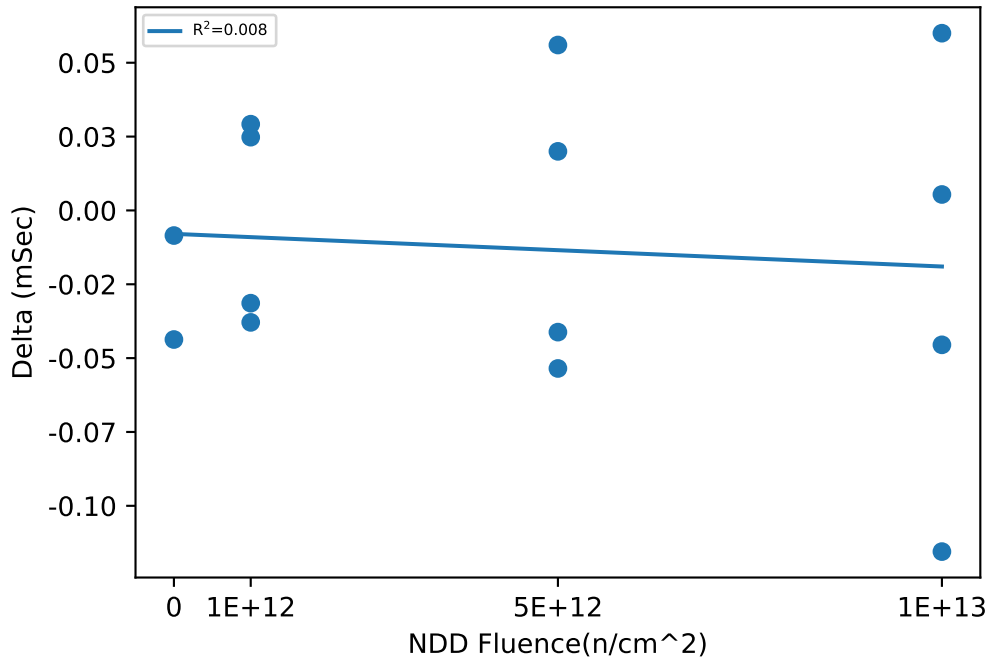
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.34	23.365	0.0248
2	1e+12	NDD Unbiased	23.817	23.779	-0.0379
3	1e+12	NDD Unbiased	23.691	23.721	0.0292
4	1e+12	NDD Unbiased	22.778	22.746	-0.0314
5	5e+12	NDD Unbiased	23.626	23.682	0.056
6	5e+12	NDD Unbiased	23.072	23.092	0.02
7	5e+12	NDD Unbiased	23.786	23.745	-0.0412
8	5e+12	NDD Unbiased	23.622	23.568	-0.0535
9	1e+13	NDD Unbiased	23.238	23.123	-0.1155
10	1e+13	NDD Unbiased	24.184	24.139	-0.0455
11	1e+13	NDD Unbiased	23.051	23.056	0.0054
12	1e+13	NDD Unbiased	23.109	23.169	0.06
53	0	Correlation	23.105	23.096	-0.0085
54	0	Correlation	23.87	23.826	-0.0437

NDD vs Post - Pre Exposure Delta

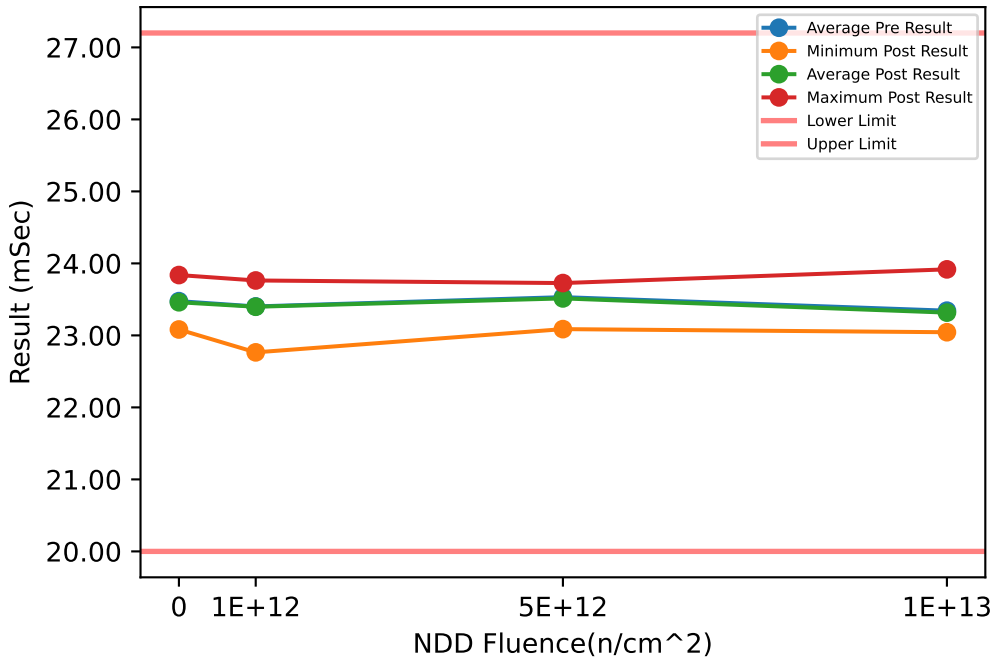


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.105	23.487	23.87	0.54122	23.096	23.461	23.826	0.51633	-0.0437	-0.0261	-0.0085	0.02489
1e+12	22.778	23.406	23.817	0.46539	22.746	23.403	23.779	0.47444	-0.0379	-0.003825	0.0292	0.035738
5e+12	23.072	23.527	23.786	0.31245	23.092	23.522	23.745	0.2957	-0.0535	-0.004675	0.056	0.051666
1e+13	23.051	23.396	24.184	0.53148	23.056	23.372	24.139	0.51338	-0.1155	-0.0239	0.06	0.074732

Device Test: 17.73 DLY_TMR_1MOHM(_DELAY|STEP_UP/EN4/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM)

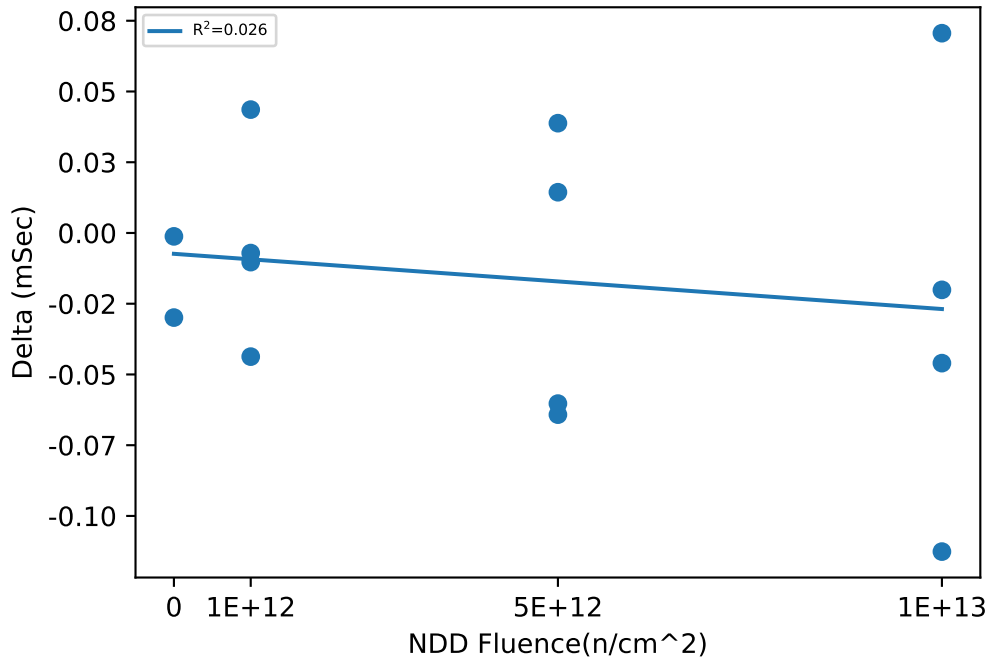
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.356	23.346	-0.0103
2	1e+12	NDD Unbiased	23.807	23.763	-0.0437
3	1e+12	NDD Unbiased	23.675	23.718	0.0436
4	1e+12	NDD Unbiased	22.771	22.764	-0.0071
5	5e+12	NDD Unbiased	23.642	23.681	0.0388
6	5e+12	NDD Unbiased	23.073	23.087	0.0144
7	5e+12	NDD Unbiased	23.787	23.727	-0.0603
8	5e+12	NDD Unbiased	23.624	23.56	-0.0642
9	1e+13	NDD Unbiased	23.243	23.13	-0.1126
10	1e+13	NDD Unbiased	23.963	23.917	-0.046
11	1e+13	NDD Unbiased	23.064	23.044	-0.0201
12	1e+13	NDD Unbiased	23.104	23.174	0.0706
53	0	Correlation	23.083	23.082	-0.0012
54	0	Correlation	23.868	23.838	-0.0299

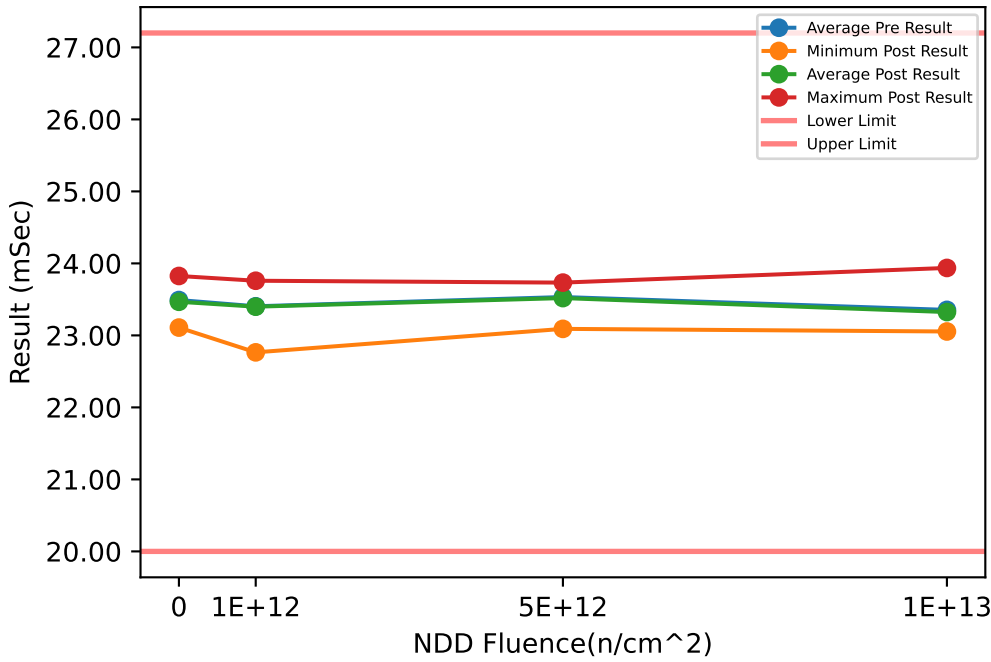
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.083	23.476	23.868	0.55494	23.082	23.46	23.838	0.53464	-0.0299	-0.01555	-0.0012	0.020294
1e+12	22.771	23.402	23.807	0.46105	22.764	23.398	23.763	0.46185	-0.0437	-0.004375	0.0436	0.036012
5e+12	23.073	23.532	23.787	0.31446	23.087	23.514	23.727	0.29295	-0.0642	-0.017825	0.0388	0.05228
1e+13	23.064	23.343	23.963	0.42024	23.044	23.316	23.917	0.40419	-0.1126	-0.027025	0.0706	0.075855

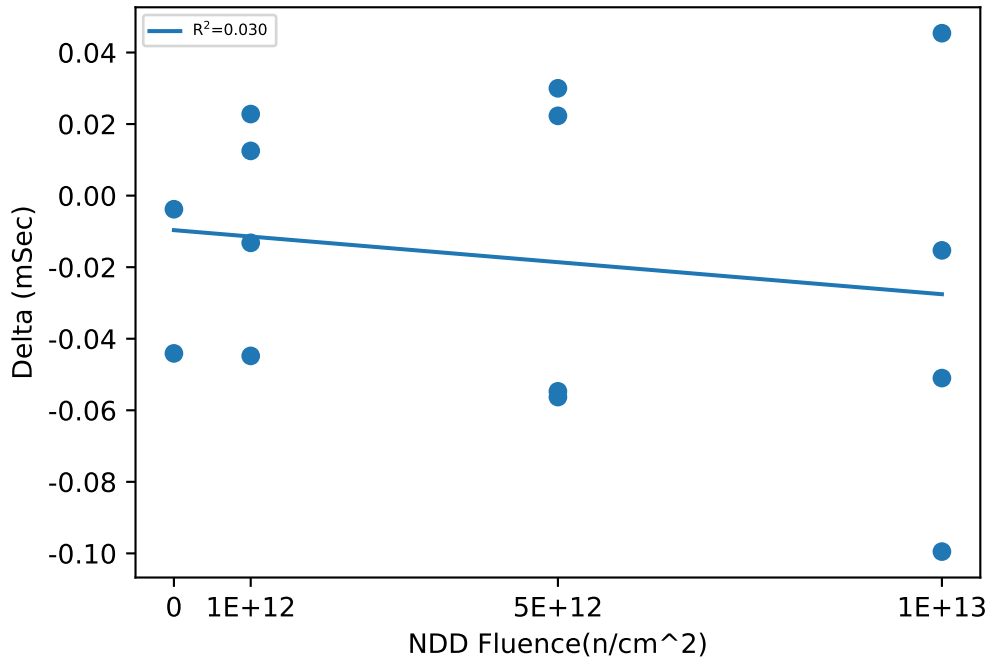
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.341	23.364	0.0228
2	1e+12	NDD Unbiased	23.804	23.759	-0.0448
3	1e+12	NDD Unbiased	23.695	23.707	0.0125
4	1e+12	NDD Unbiased	22.778	22.765	-0.0132
5	5e+12	NDD Unbiased	23.651	23.681	0.03
6	5e+12	NDD Unbiased	23.068	23.091	0.0223
7	5e+12	NDD Unbiased	23.788	23.733	-0.0547
8	5e+12	NDD Unbiased	23.625	23.568	-0.0563
9	1e+13	NDD Unbiased	23.231	23.131	-0.0995
10	1e+13	NDD Unbiased	23.988	23.937	-0.051
11	1e+13	NDD Unbiased	23.07	23.054	-0.0153
12	1e+13	NDD Unbiased	23.128	23.174	0.0454
53	0	Correlation	23.113	23.109	-0.0038
54	0	Correlation	23.869	23.825	-0.0441

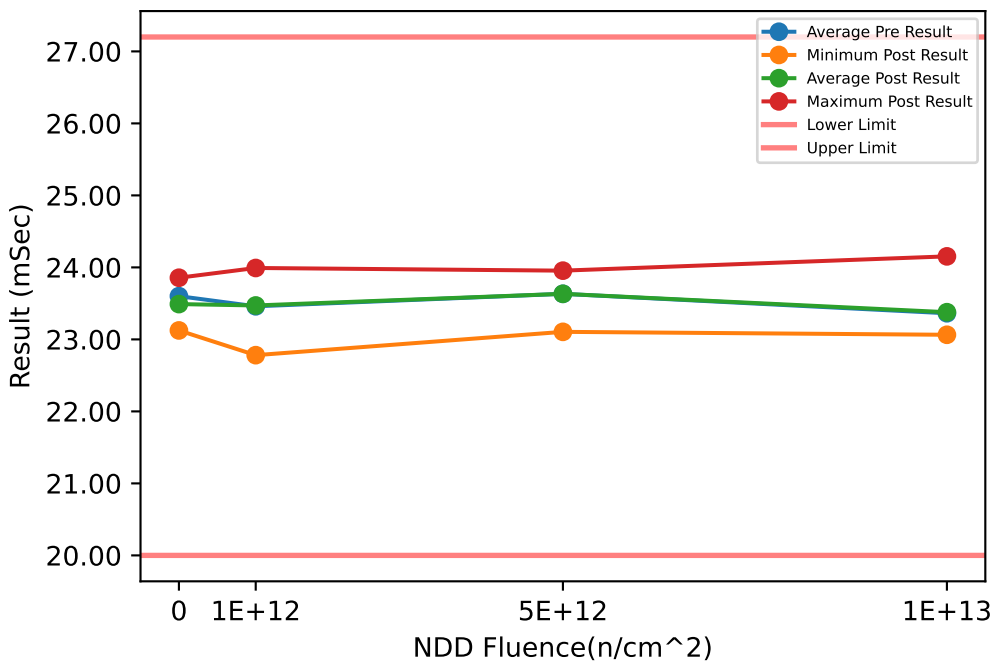
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.113	23.491	23.869	0.53514	23.109	23.467	23.825	0.50664	-0.0441	-0.02395	-0.0038	0.028496
1e+12	22.778	23.404	23.804	0.46207	22.765	23.399	23.759	0.45767	-0.0448	-0.005675	0.0228	0.030158
5e+12	23.068	23.533	23.788	0.31788	23.091	23.518	23.733	0.29324	-0.0563	-0.014675	0.03	0.04725
1e+13	23.07	23.354	23.988	0.42764	23.054	23.324	23.937	0.41147	-0.0995	-0.0301	0.0454	0.061026

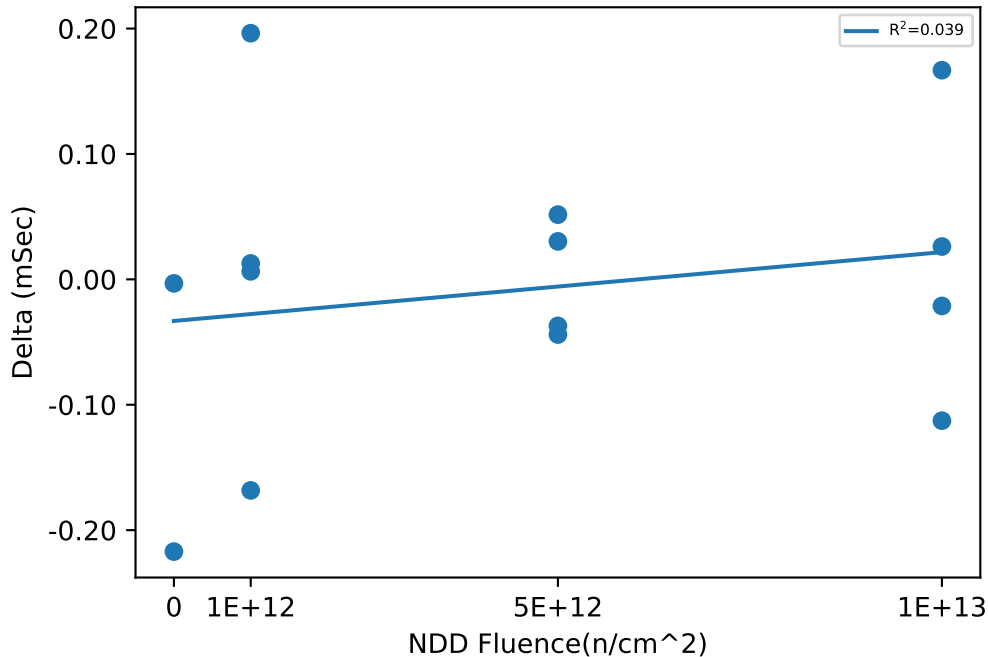
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.373	23.38	0.0064
2	1e+12	NDD Unbiased	23.796	23.992	0.1963
3	1e+12	NDD Unbiased	23.901	23.733	-0.1683
4	1e+12	NDD Unbiased	22.768	22.781	0.0127
5	5e+12	NDD Unbiased	23.856	23.886	0.0303
6	5e+12	NDD Unbiased	23.053	23.105	0.0516
7	5e+12	NDD Unbiased	23.992	23.955	-0.0371
8	5e+12	NDD Unbiased	23.63	23.586	-0.044
9	1e+13	NDD Unbiased	23.237	23.124	-0.1127
10	1e+13	NDD Unbiased	23.986	24.153	0.1668
11	1e+13	NDD Unbiased	23.085	23.064	-0.0212
12	1e+13	NDD Unbiased	23.144	23.17	0.0262
53	0	Correlation	23.128	23.125	-0.0032
54	0	Correlation	24.073	23.856	-0.2171

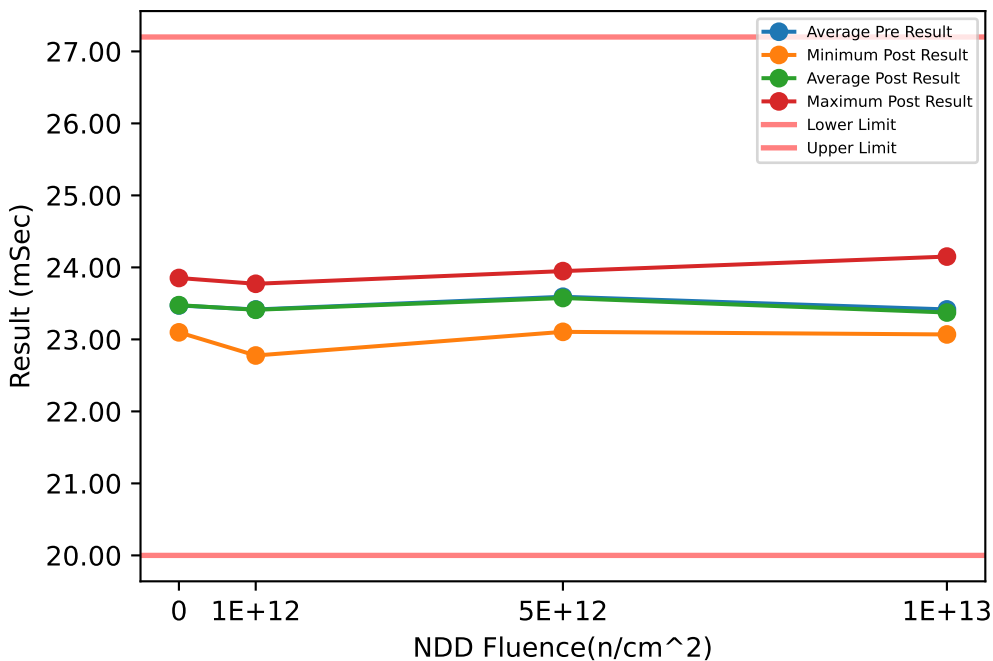
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.128	23.601	24.073	0.66878	23.125	23.49	23.856	0.51753	-0.2171	-0.11015	-0.0032	0.15125
1e+12	22.768	23.46	23.901	0.5142	22.781	23.471	23.992	0.5242	-0.1683	0.011775	0.1963	0.14889
5e+12	23.053	23.633	23.992	0.41418	23.105	23.633	23.955	0.38679	-0.044	0.0002	0.0516	0.047934
1e+13	23.085	23.363	23.986	0.42023	23.064	23.378	24.153	0.51874	-0.1127	0.014775	0.1668	0.1166

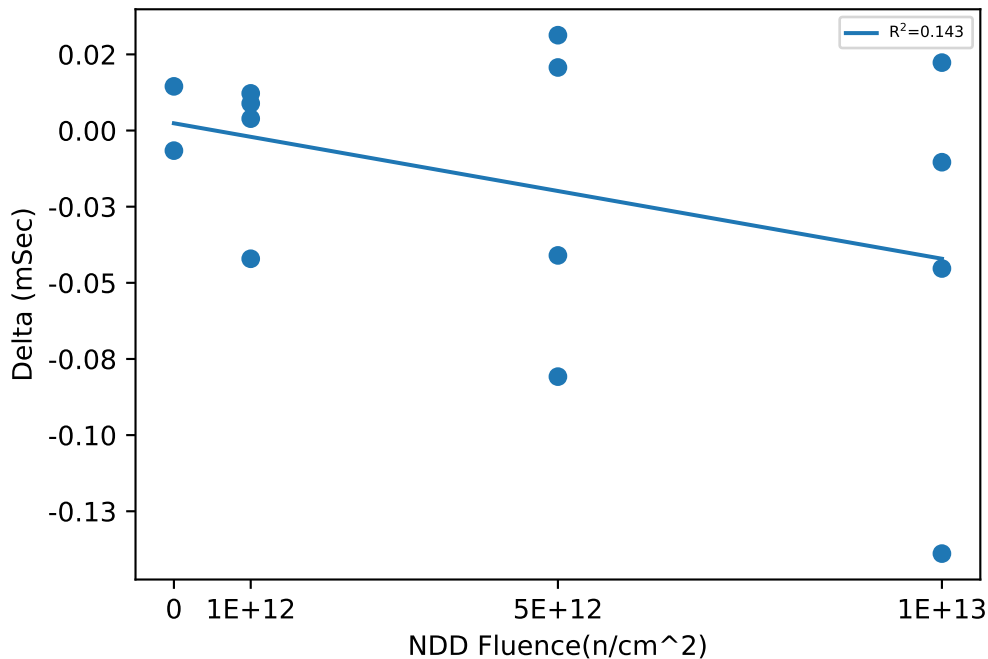
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.367	23.376	0.0089
2	1e+12	NDD Unbiased	23.814	23.772	-0.0421
3	1e+12	NDD Unbiased	23.707	23.72	0.0122
4	1e+12	NDD Unbiased	22.773	22.776	0.0039
5	5e+12	NDD Unbiased	23.662	23.693	0.0313
6	5e+12	NDD Unbiased	23.084	23.105	0.0207
7	5e+12	NDD Unbiased	23.989	23.948	-0.041
8	5e+12	NDD Unbiased	23.634	23.553	-0.0808
9	1e+13	NDD Unbiased	23.255	23.116	-0.1389
10	1e+13	NDD Unbiased	24.195	24.15	-0.0453
11	1e+13	NDD Unbiased	23.079	23.069	-0.0104
12	1e+13	NDD Unbiased	23.136	23.158	0.0223
53	0	Correlation	23.083	23.098	0.0145
54	0	Correlation	23.86	23.853	-0.0066

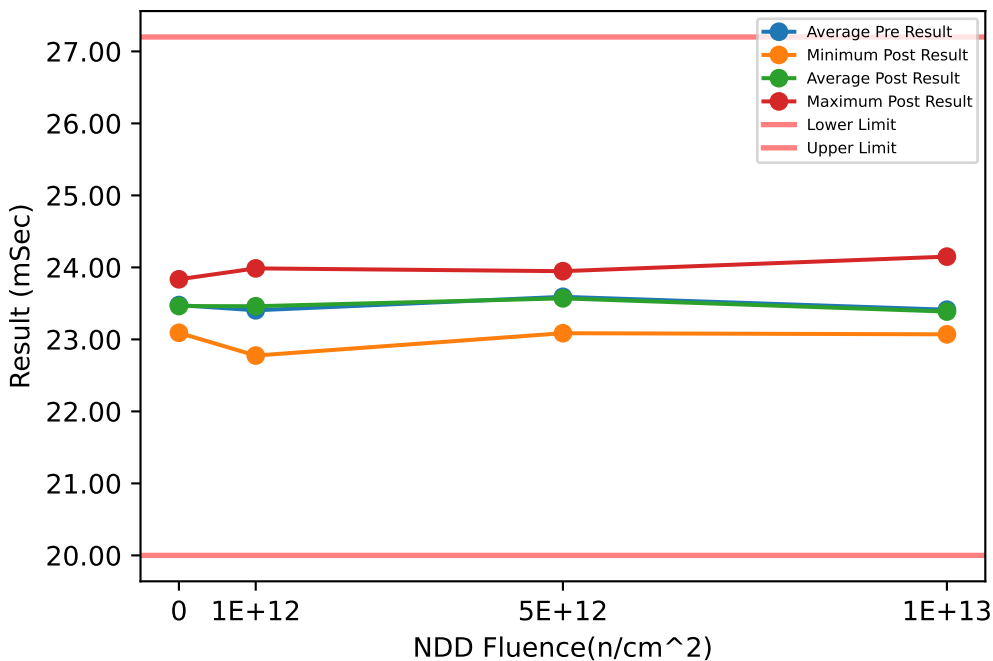
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.083	23.471	23.86	0.54879	23.098	23.475	23.853	0.53387	-0.0066	0.00395	0.0145	0.01492
1e+12	22.773	23.416	23.814	0.46912	22.776	23.411	23.772	0.45819	-0.0421	-0.004275	0.0122	0.025446
5e+12	23.084	23.592	23.989	0.37528	23.105	23.575	23.948	0.35354	-0.0808	-0.01745	0.0313	0.052914
1e+13	23.079	23.416	24.195	0.5245	23.069	23.373	24.15	0.51915	-0.1389	-0.043075	0.0223	0.069591

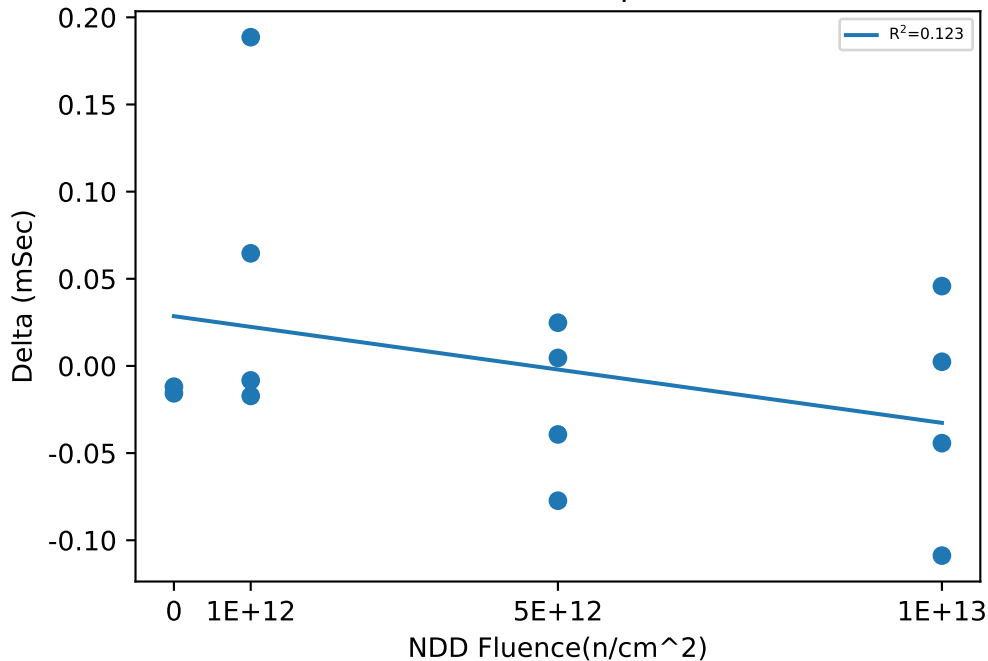
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.368	23.35	-0.0172
2	1e+12	NDD Unbiased	23.798	23.986	0.1886
3	1e+12	NDD Unbiased	23.666	23.731	0.0646
4	1e+12	NDD Unbiased	22.784	22.776	-0.0083
5	5e+12	NDD Unbiased	23.662	23.687	0.0248
6	5e+12	NDD Unbiased	23.081	23.086	0.0046
7	5e+12	NDD Unbiased	23.987	23.948	-0.0393
8	5e+12	NDD Unbiased	23.637	23.559	-0.0773
9	1e+13	NDD Unbiased	23.25	23.141	-0.1088
10	1e+13	NDD Unbiased	24.194	24.149	-0.0443
11	1e+13	NDD Unbiased	23.068	23.07	0.0024
12	1e+13	NDD Unbiased	23.138	23.184	0.0458
53	0	Correlation	23.107	23.092	-0.0157
54	0	Correlation	23.847	23.835	-0.0119

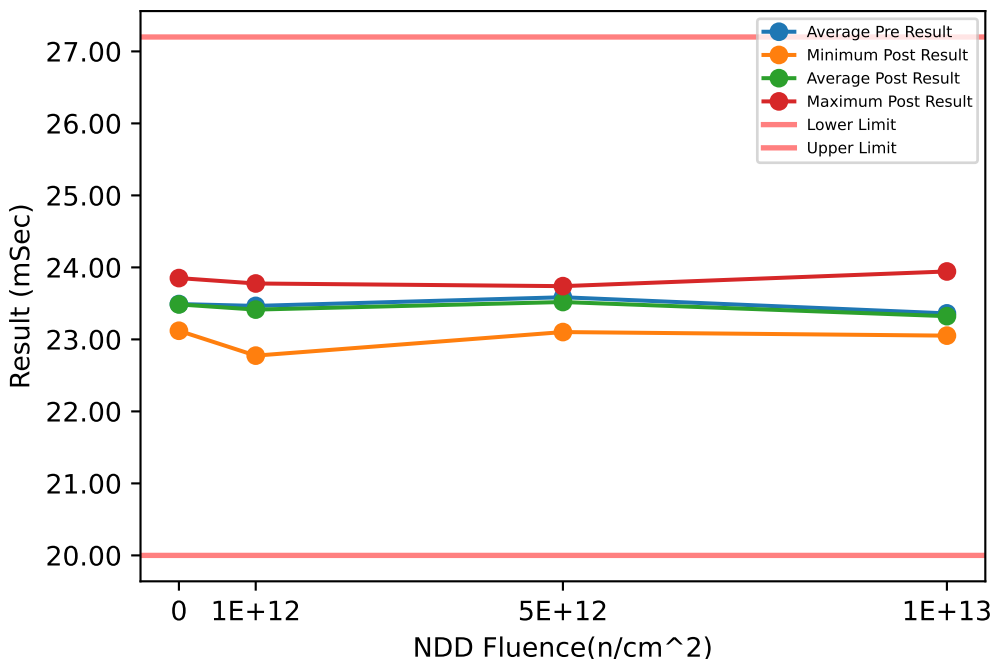
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.107	23.477	23.847	0.52269	23.092	23.463	23.835	0.52538	-0.0157	-0.0138	-0.0119	0.002687
1e+12	22.784	23.404	23.798	0.4508	22.776	23.461	23.986	0.52624	-0.0172	0.056925	0.1886	0.095125
5e+12	23.081	23.592	23.987	0.37574	23.086	23.57	23.948	0.36084	-0.0773	-0.0218	0.0248	0.045662
1e+13	23.068	23.413	24.194	0.52618	23.07	23.386	24.149	0.51092	-0.1088	-0.026225	0.0458	0.066213

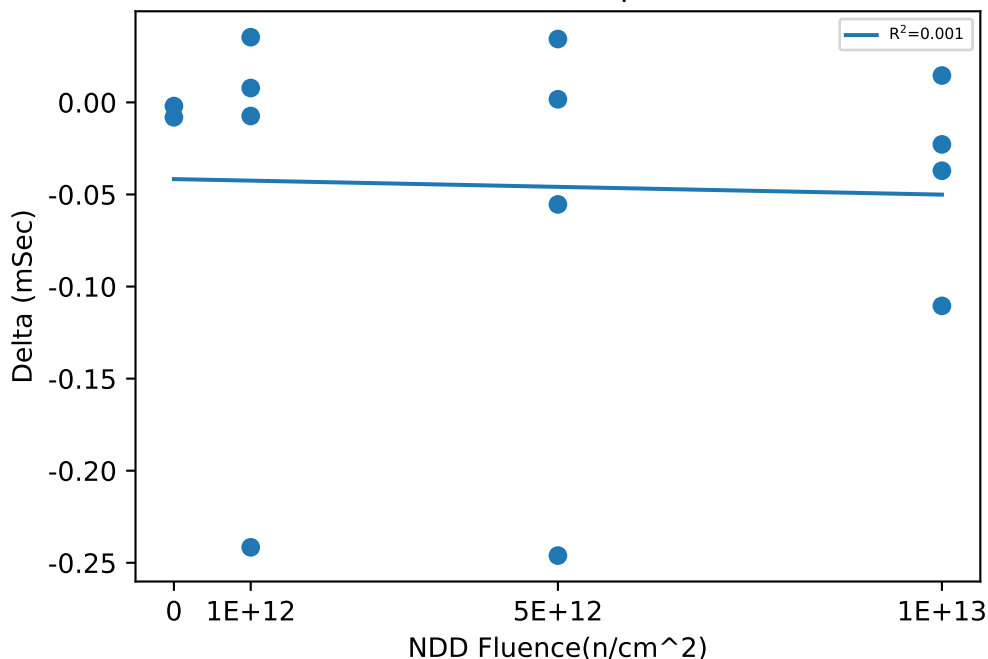
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.365	23.373	0.0078
2	1e+12	NDD Unbiased	24.018	23.777	-0.2416
3	1e+12	NDD Unbiased	23.696	23.731	0.0354
4	1e+12	NDD Unbiased	22.782	22.775	-0.0074
5	5e+12	NDD Unbiased	23.654	23.656	0.0017
6	5e+12	NDD Unbiased	23.067	23.102	0.0344
7	5e+12	NDD Unbiased	23.986	23.74	-0.2461
8	5e+12	NDD Unbiased	23.634	23.579	-0.0554
9	1e+13	NDD Unbiased	23.252	23.141	-0.1105
10	1e+13	NDD Unbiased	23.981	23.944	-0.0371
11	1e+13	NDD Unbiased	23.075	23.052	-0.0228
12	1e+13	NDD Unbiased	23.138	23.153	0.0146
53	0	Correlation	23.122	23.12	-0.002
54	0	Correlation	23.86	23.852	-0.0081

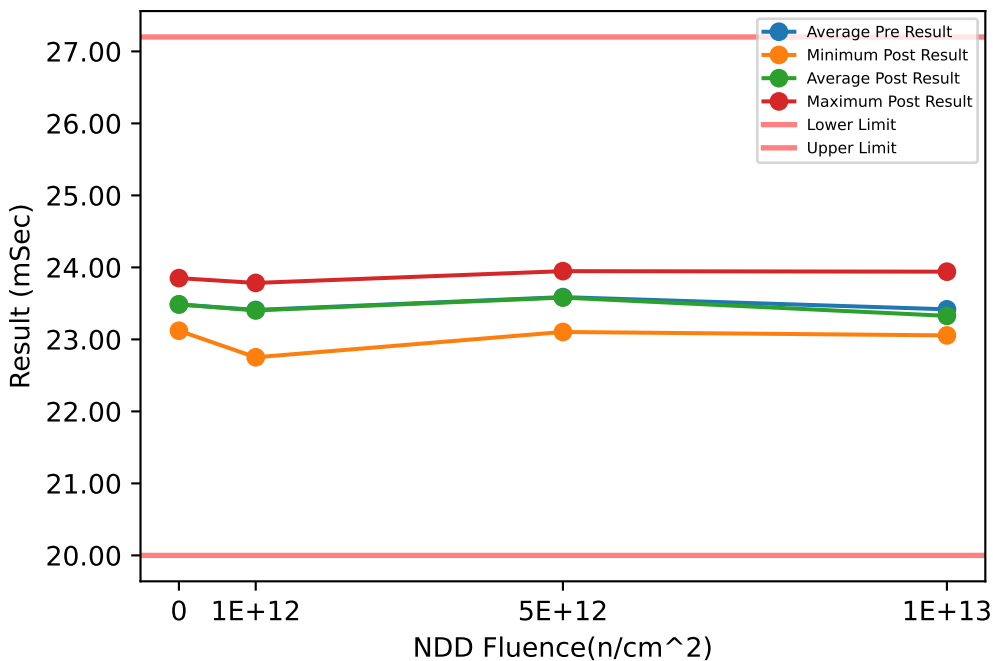
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.122	23.491	23.86	0.52156	23.12	23.486	23.852	0.51725	-0.0081	-0.00505	-0.002	0.0043134
1e+12	22.782	23.465	24.018	0.52779	22.775	23.414	23.777	0.46279	-0.2416	-0.05145	0.0354	0.128
5e+12	23.067	23.585	23.986	0.38106	23.102	23.519	23.74	0.2858	-0.2461	-0.06635	0.0344	0.12545
1e+13	23.075	23.361	23.981	0.41923	23.052	23.322	23.944	0.41647	-0.1105	-0.03895	0.0146	0.052444

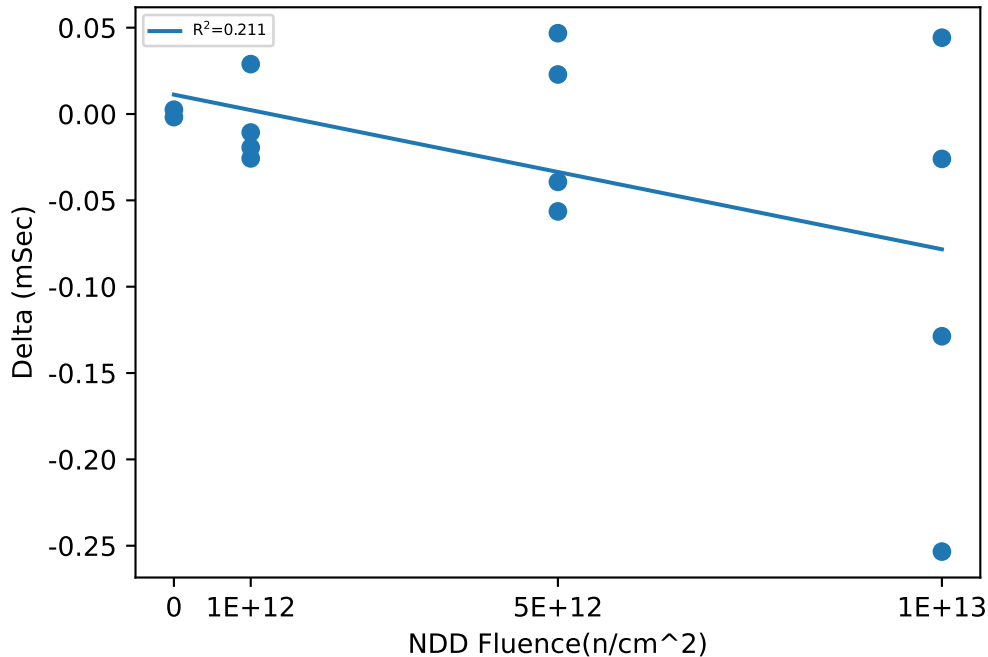
NDD vs Result Stats



Test Results (Lower Limit = 20.0, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.367	23.341	-0.0257
2	1e+12	NDD Unbiased	23.795	23.784	-0.0107
3	1e+12	NDD Unbiased	23.704	23.733	0.0289
4	1e+12	NDD Unbiased	22.771	22.752	-0.0194
5	5e+12	NDD Unbiased	23.645	23.692	0.0468
6	5e+12	NDD Unbiased	23.08	23.103	0.0229
7	5e+12	NDD Unbiased	23.987	23.948	-0.0393
8	5e+12	NDD Unbiased	23.637	23.58	-0.0564
9	1e+13	NDD Unbiased	23.254	23.126	-0.1287
10	1e+13	NDD Unbiased	24.194	23.941	-0.2534
11	1e+13	NDD Unbiased	23.082	23.056	-0.026
12	1e+13	NDD Unbiased	23.141	23.186	0.0442
53	0	Correlation	23.122	23.121	-0.0018
54	0	Correlation	23.849	23.851	0.0025

NDD vs Post - Pre Exposure Delta

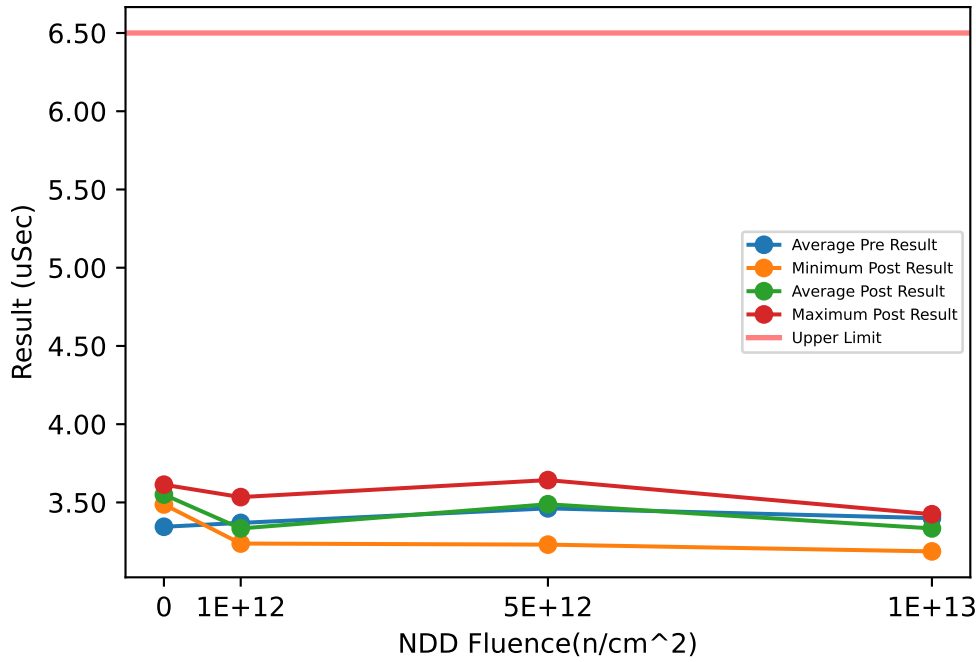


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.122	23.486	23.849	0.51357	23.121	23.486	23.851	0.51661	-0.0018	0.00035	0.0025	0.0030406
1e+12	22.771	23.409	23.795	0.46348	22.752	23.402	23.784	0.47677	-0.0257	-0.006725	0.0289	0.024533
5e+12	23.08	23.587	23.987	0.37531	23.103	23.581	23.948	0.3536	-0.0564	-0.0065	0.0468	0.049231
1e+13	23.082	23.418	24.194	0.52242	23.056	23.327	23.941	0.41262	-0.2534	-0.090975	0.0442	0.12948

Device Test: 17.8 TPD_EN(_DELAY|STEP_DOWN/EN2/1.6/3/0/0/0/@TPD_EN)

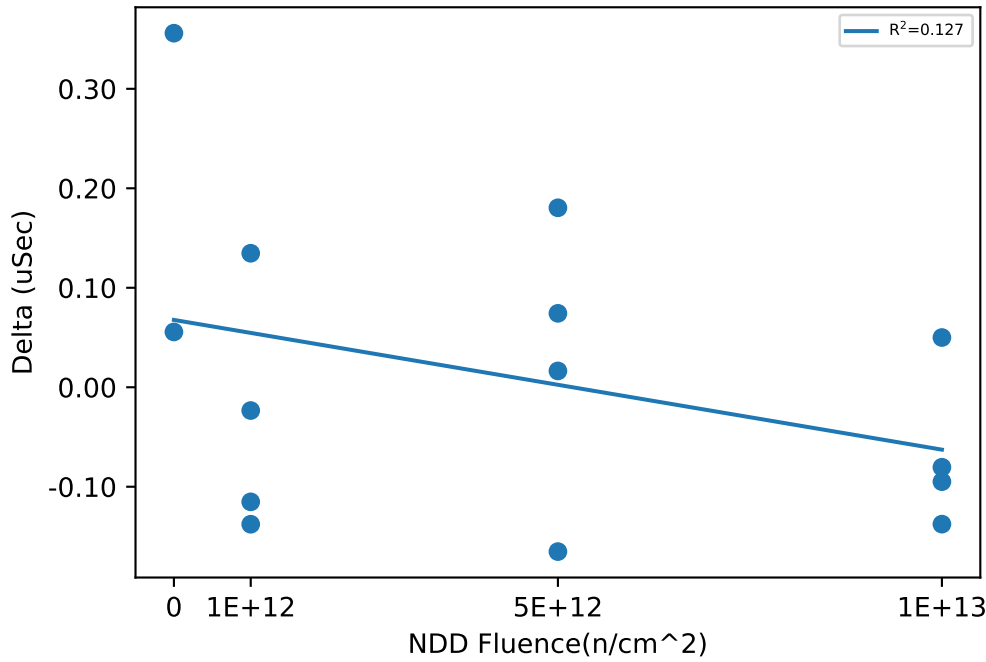
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3994	3.5341	0.1347
2	1e+12	NDD Unbiased	3.4255	3.3103	-0.1152
3	1e+12	NDD Unbiased	3.3913	3.2536	-0.1377
4	1e+12	NDD Unbiased	3.2607	3.2373	-0.0234
5	5e+12	NDD Unbiased	3.3956	3.2304	-0.1652
6	5e+12	NDD Unbiased	3.5147	3.5311	0.0164
7	5e+12	NDD Unbiased	3.4624	3.6428	0.1804
8	5e+12	NDD Unbiased	3.4757	3.55	0.0743
9	1e+13	NDD Unbiased	3.4298	3.3349	-0.0949
10	1e+13	NDD Unbiased	3.5621	3.4245	-0.1376
11	1e+13	NDD Unbiased	3.3393	3.3893	0.05
12	1e+13	NDD Unbiased	3.2675	3.1871	-0.0804
53	0	Correlation	3.4314	3.487	0.0556
54	0	Correlation	3.2575	3.6134	0.3559

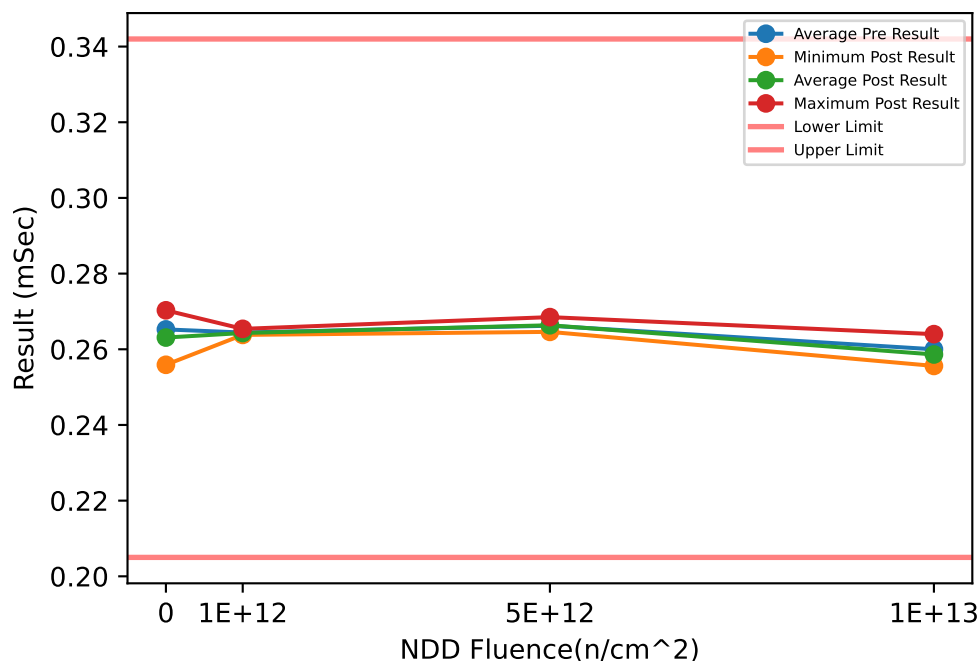
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2575	3.3445	3.4314	0.12297	3.487	3.5502	3.6134	0.089378	0.0556	0.20575	0.3559	0.21234
1e+12	3.2607	3.3692	3.4255	0.073807	3.2373	3.3338	3.5341	0.13713	-0.1377	-0.0354	0.1347	0.12371
5e+12	3.3956	3.4621	3.5147	0.049578	3.2304	3.4886	3.6428	0.17891	-0.1652	0.026475	0.1804	0.14471
1e+13	3.2675	3.3997	3.5621	0.12702	3.1871	3.334	3.4245	0.10461	-0.1376	-0.065725	0.05	0.08088

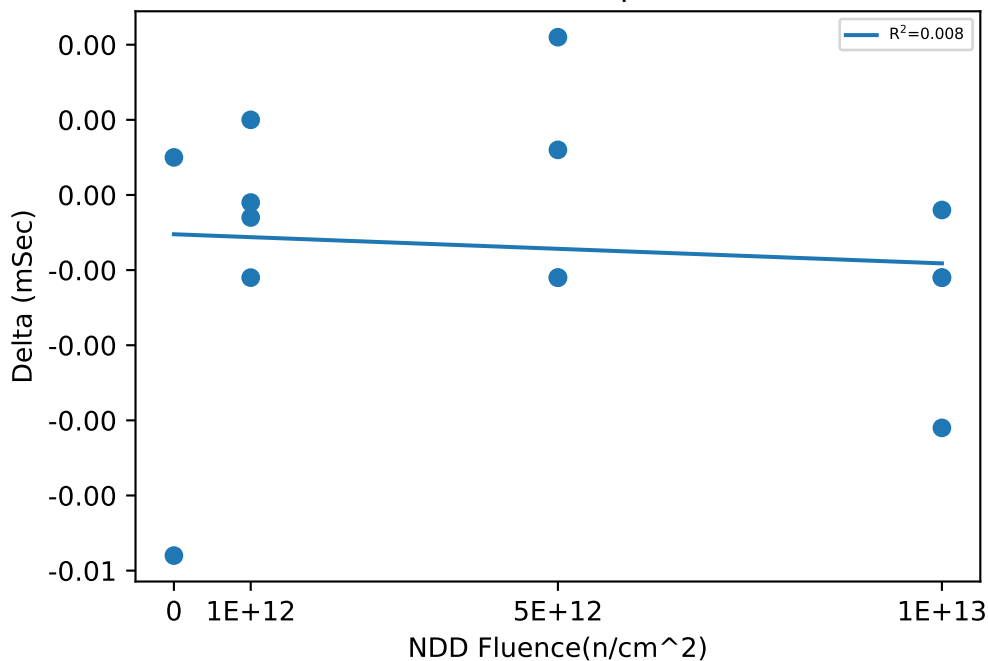
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.263	0.264	0.001
2	1e+12	NDD Unbiased	0.2649	0.2638	-0.0011
3	1e+12	NDD Unbiased	0.2655	0.2654	-0.0001
4	1e+12	NDD Unbiased	0.2643	0.264	-0.0003
5	5e+12	NDD Unbiased	0.2659	0.2665	0.0006
6	5e+12	NDD Unbiased	0.2657	0.2646	-0.0011
7	5e+12	NDD Unbiased	0.2664	0.2685	0.0021
8	5e+12	NDD Unbiased	0.2669	0.2658	-0.0011
9	1e+13	NDD Unbiased	0.2587	0.2585	-0.0002
10	1e+13	NDD Unbiased	0.2671	0.264	-0.0031
11	1e+13	NDD Unbiased	0.2567	0.2556	-0.0011
12	1e+13	NDD Unbiased	0.2575	0.2564	-0.0011
53	0	Correlation	0.2554	0.2559	0.0005
54	0	Correlation	0.2751	0.2703	-0.0048

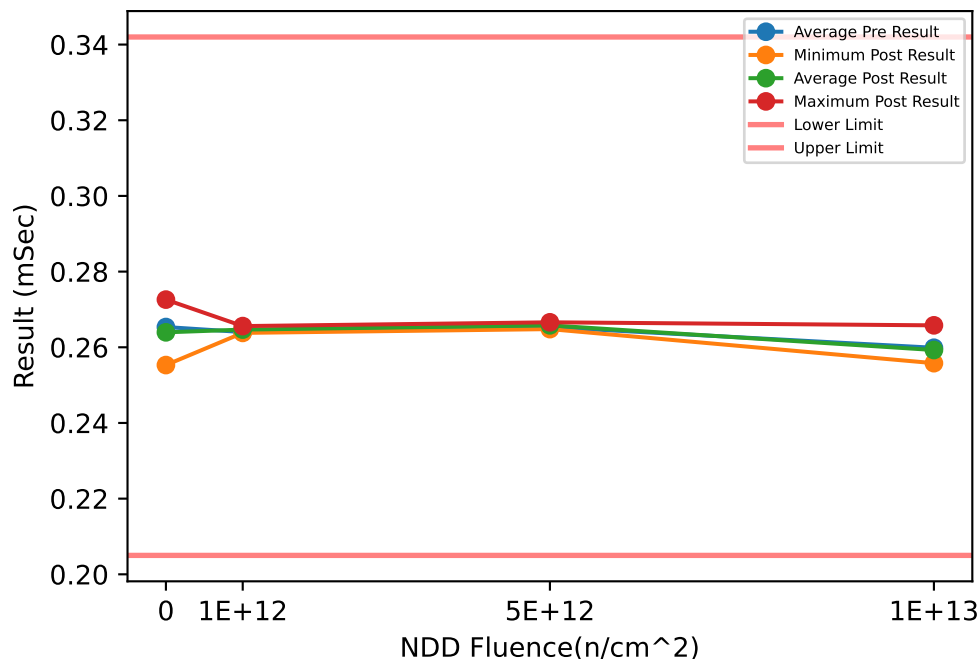
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2554	0.26525	0.2751	0.01393	0.2559	0.2631	0.2703	0.010182	-0.0048	-0.00215	0.0005	0.0037477
1e+12	0.263	0.26443	0.2655	0.0010689	0.2638	0.2643	0.2654	0.00073937	-0.0011	-0.000125	0.001	0.00086554
5e+12	0.2657	0.26623	0.2669	0.00053774	0.2646	0.26635	0.2685	0.001634	-0.0011	0.000125	0.0021	0.0015414
1e+13	0.2567	0.26	0.2671	0.0048042	0.2556	0.25862	0.264	0.0037863	-0.0031	-0.001375	-0.0002	0.0012258

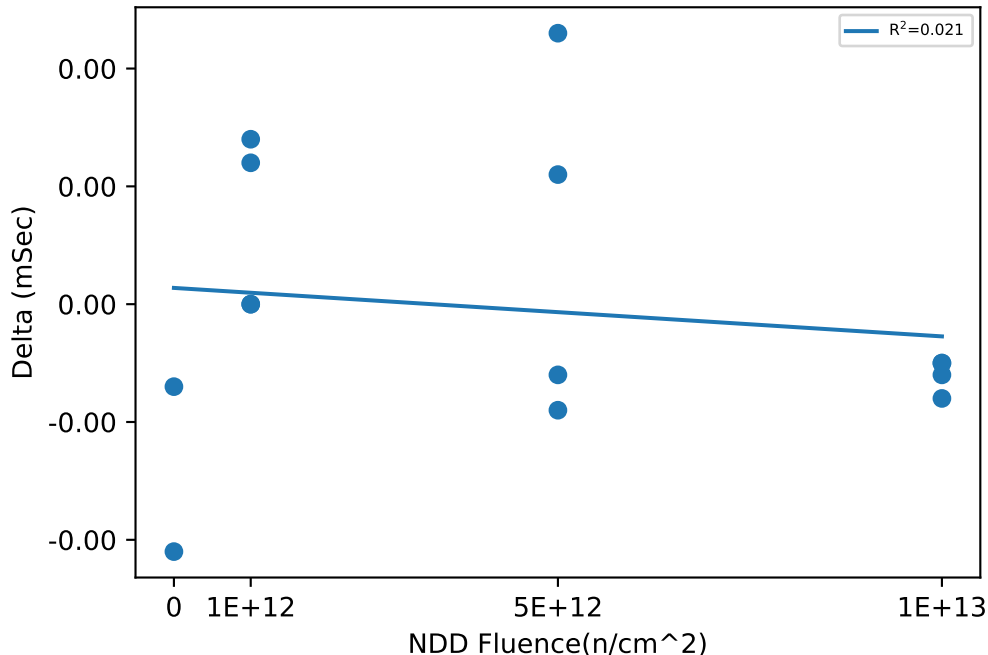
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2625	0.2639	0.0014
2	1e+12	NDD Unbiased	0.2654	0.2654	0
3	1e+12	NDD Unbiased	0.2644	0.2656	0.0012
4	1e+12	NDD Unbiased	0.2638	0.2638	0
5	5e+12	NDD Unbiased	0.2643	0.2666	0.0023
6	5e+12	NDD Unbiased	0.2637	0.2648	0.0011
7	5e+12	NDD Unbiased	0.2666	0.266	-0.0006
8	5e+12	NDD Unbiased	0.2667	0.2658	-0.0009
9	1e+13	NDD Unbiased	0.2584	0.2579	-0.0005
10	1e+13	NDD Unbiased	0.2666	0.2658	-0.0008
11	1e+13	NDD Unbiased	0.2563	0.2558	-0.0005
12	1e+13	NDD Unbiased	0.2582	0.2576	-0.0006
53	0	Correlation	0.2574	0.2553	-0.0021
54	0	Correlation	0.2733	0.2726	-0.0007

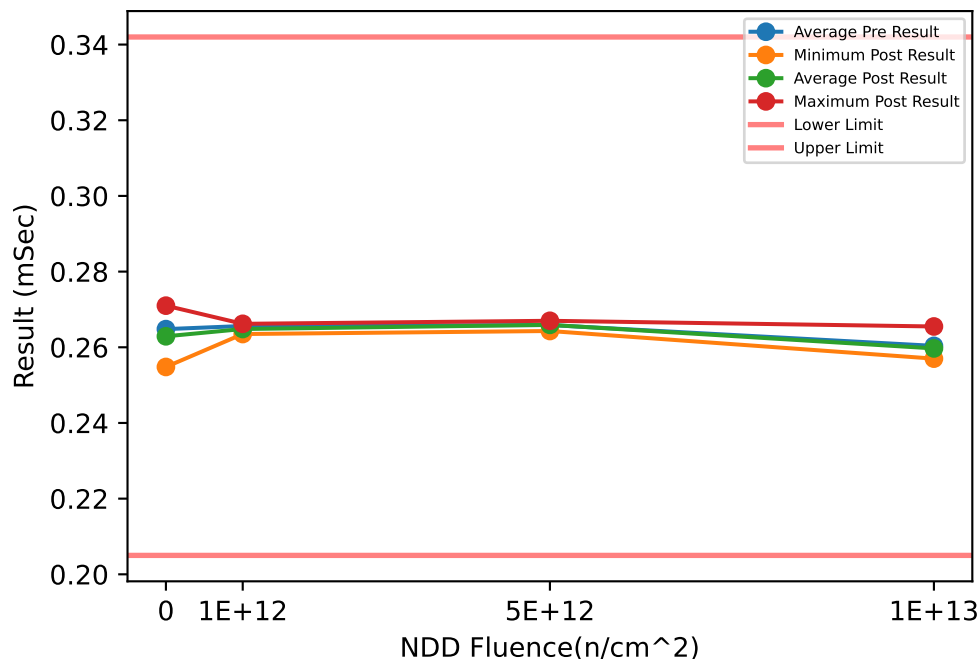
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2574	0.26535	0.2733	0.011243	0.2553	0.26395	0.2726	0.012233	-0.0021	-0.0014	-0.0007	0.00098995
1e+12	0.2625	0.26403	0.2654	0.0012121	0.2638	0.26467	0.2656	0.00095699	0	0.00065	0.0014	0.00075498
5e+12	0.2637	0.26532	0.2667	0.00155	0.2648	0.2658	0.2666	0.00074833	-0.0009	0.000475	0.0023	0.0015019
1e+13	0.2563	0.25987	0.2666	0.0045821	0.2558	0.25928	0.2658	0.0044478	-0.0008	-0.0006	-0.0005	0.00014142

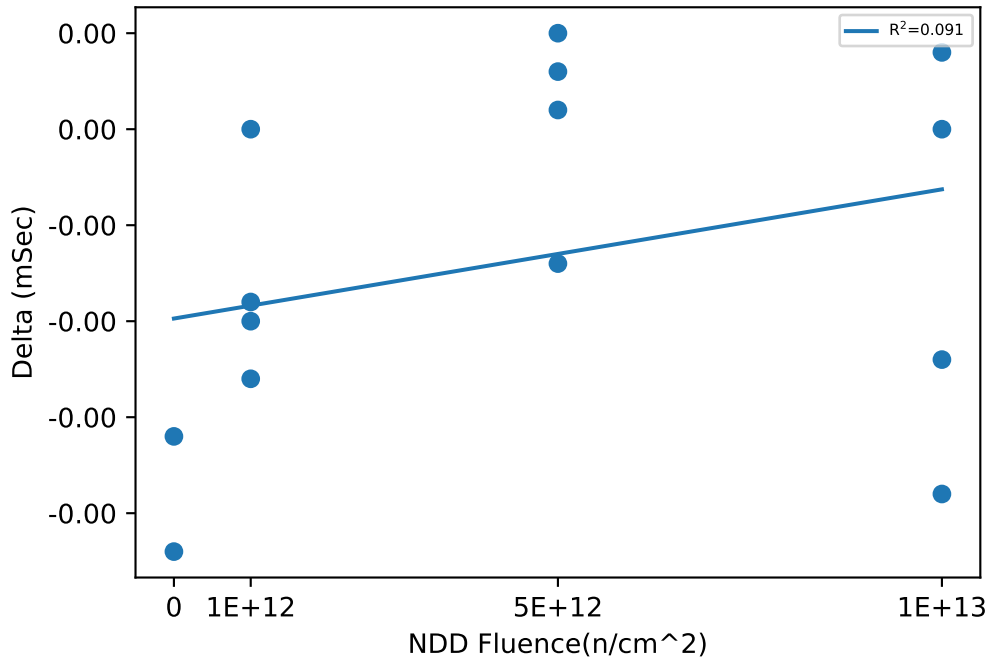
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2635	0.2635	0
2	1e+12	NDD Unbiased	0.2665	0.2656	-0.0009
3	1e+12	NDD Unbiased	0.2672	0.2662	-0.001
4	1e+12	NDD Unbiased	0.2653	0.264	-0.0013
5	5e+12	NDD Unbiased	0.2668	0.2661	-0.0007
6	5e+12	NDD Unbiased	0.2638	0.2643	0.0005
7	5e+12	NDD Unbiased	0.2662	0.2663	0.0001
8	5e+12	NDD Unbiased	0.2667	0.267	0.0003
9	1e+13	NDD Unbiased	0.2589	0.257	-0.0019
10	1e+13	NDD Unbiased	0.2667	0.2655	-0.0012
11	1e+13	NDD Unbiased	0.2579	0.2583	0.0004
12	1e+13	NDD Unbiased	0.258	0.258	0
53	0	Correlation	0.2564	0.2548	-0.0016
54	0	Correlation	0.2732	0.271	-0.0022

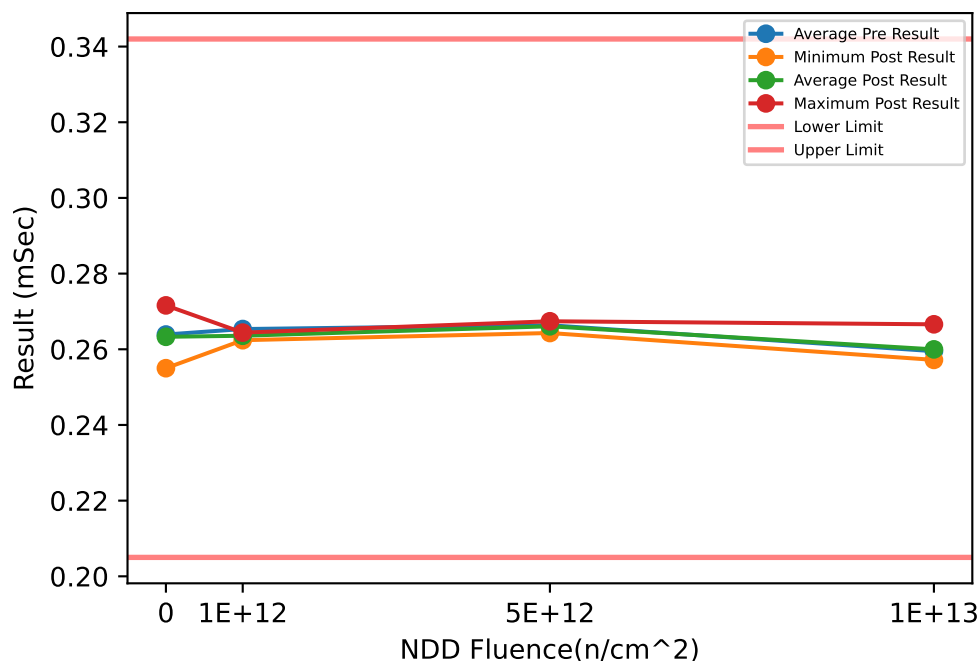
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2564	0.2648	0.2732	0.011879	0.2548	0.2629	0.271	0.011455	-0.0022	-0.0019	-0.0016	0.00042426
1e+12	0.2635	0.26562	0.2672	0.0016194	0.2635	0.26482	0.2662	0.0012816	-0.0013	-0.0008	0	0.00055976
5e+12	0.2638	0.26587	0.2668	0.001408	0.2643	0.26592	0.267	0.00115	-0.0007	5e-05	0.0005	0.00052599
1e+13	0.2579	0.26038	0.2667	0.0042406	0.257	0.2597	0.2655	0.0039064	-0.0019	-0.000675	0.0004	0.0010626

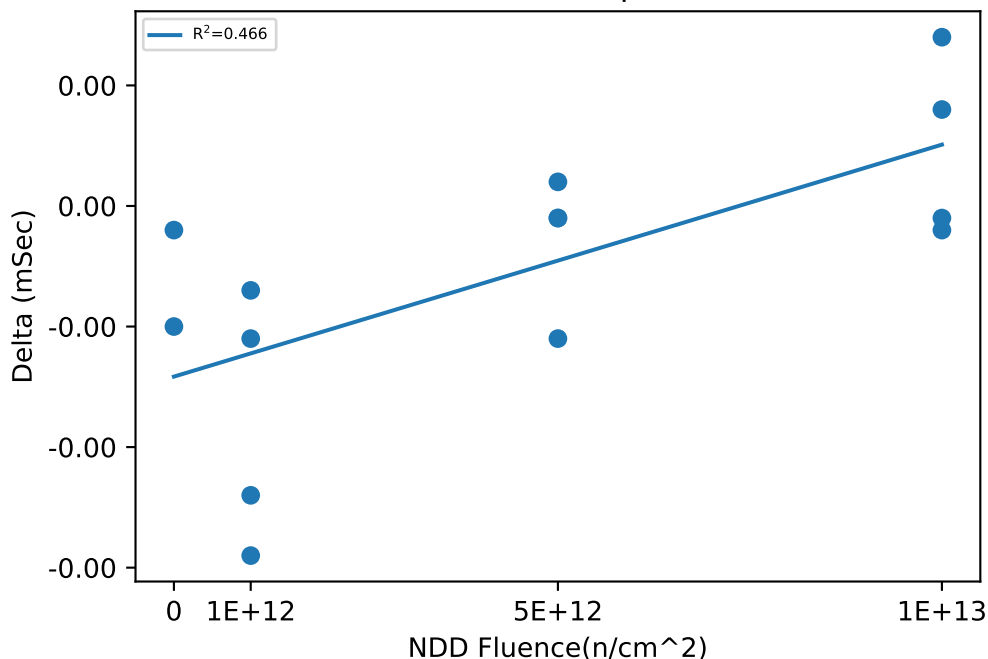
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2635	0.2624	-0.0011
2	1e+12	NDD Unbiased	0.265	0.2643	-0.0007
3	1e+12	NDD Unbiased	0.2673	0.2644	-0.0029
4	1e+12	NDD Unbiased	0.2656	0.2632	-0.0024
5	5e+12	NDD Unbiased	0.2671	0.267	-0.0001
6	5e+12	NDD Unbiased	0.2641	0.2643	0.0002
7	5e+12	NDD Unbiased	0.2675	0.2674	-0.0001
8	5e+12	NDD Unbiased	0.2667	0.2656	-0.0011
9	1e+13	NDD Unbiased	0.2574	0.2572	-0.0002
10	1e+13	NDD Unbiased	0.2652	0.2666	0.0014
11	1e+13	NDD Unbiased	0.2575	0.2583	0.0008
12	1e+13	NDD Unbiased	0.2579	0.2578	-0.0001
53	0	Correlation	0.2552	0.255	-0.0002
54	0	Correlation	0.2726	0.2716	-0.001

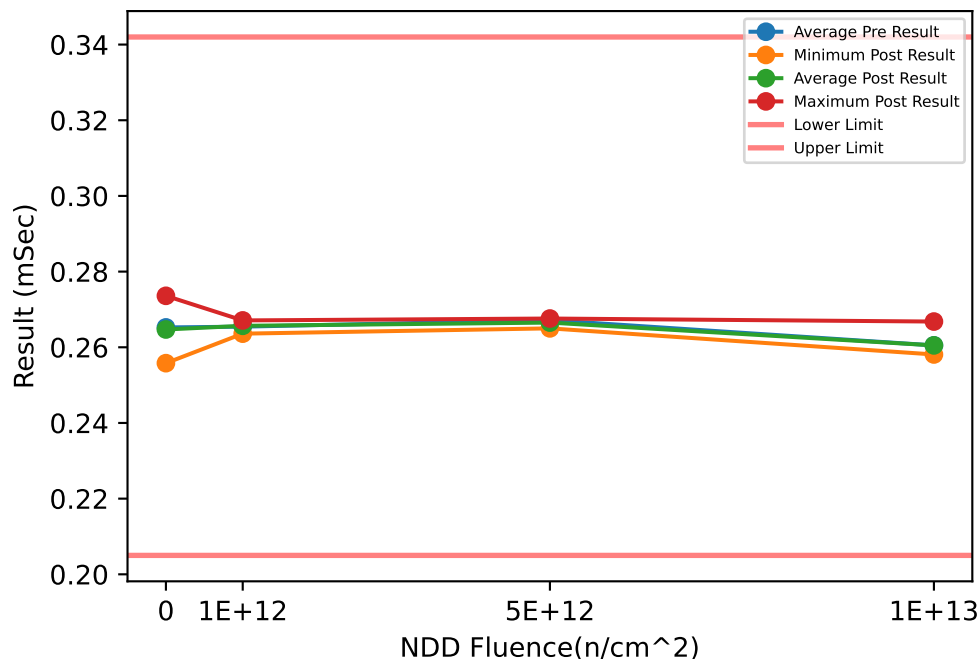
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2552	0.2639	0.2726	0.012304	0.255	0.2633	0.2716	0.011738	-0.001	-0.0006	-0.0002	0.00056569
1e+12	0.2635	0.26535	0.2673	0.0015716	0.2624	0.26358	0.2644	0.0009535	-0.0029	-0.001775	-0.0007	0.0010436
5e+12	0.2641	0.26635	0.2675	0.0015351	0.2643	0.26608	0.2674	0.0014127	-0.0011	-0.000275	0.0002	0.00056789
1e+13	0.2574	0.2595	0.2652	0.0038061	0.2572	0.25997	0.2666	0.0044395	-0.0002	0.000475	0.0014	0.00076322

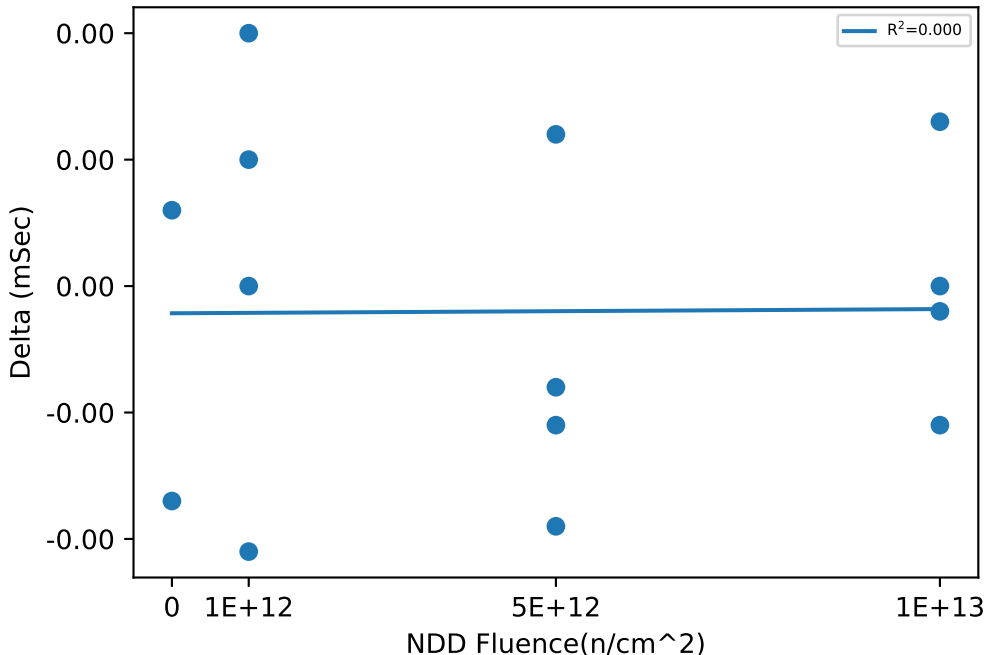
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2636	0.2636	0
2	1e+12	NDD Unbiased	0.2661	0.2671	0.001
3	1e+12	NDD Unbiased	0.268	0.2659	-0.0021
4	1e+12	NDD Unbiased	0.2641	0.2661	0.002
5	5e+12	NDD Unbiased	0.2664	0.2676	0.0012
6	5e+12	NDD Unbiased	0.2658	0.265	-0.0008
7	5e+12	NDD Unbiased	0.2686	0.2675	-0.0011
8	5e+12	NDD Unbiased	0.2679	0.266	-0.0019
9	1e+13	NDD Unbiased	0.2596	0.2585	-0.0011
10	1e+13	NDD Unbiased	0.267	0.2668	-0.0002
11	1e+13	NDD Unbiased	0.2581	0.2581	0
12	1e+13	NDD Unbiased	0.2573	0.2586	0.0013
53	0	Correlation	0.2575	0.2558	-0.0017
54	0	Correlation	0.273	0.2736	0.0006

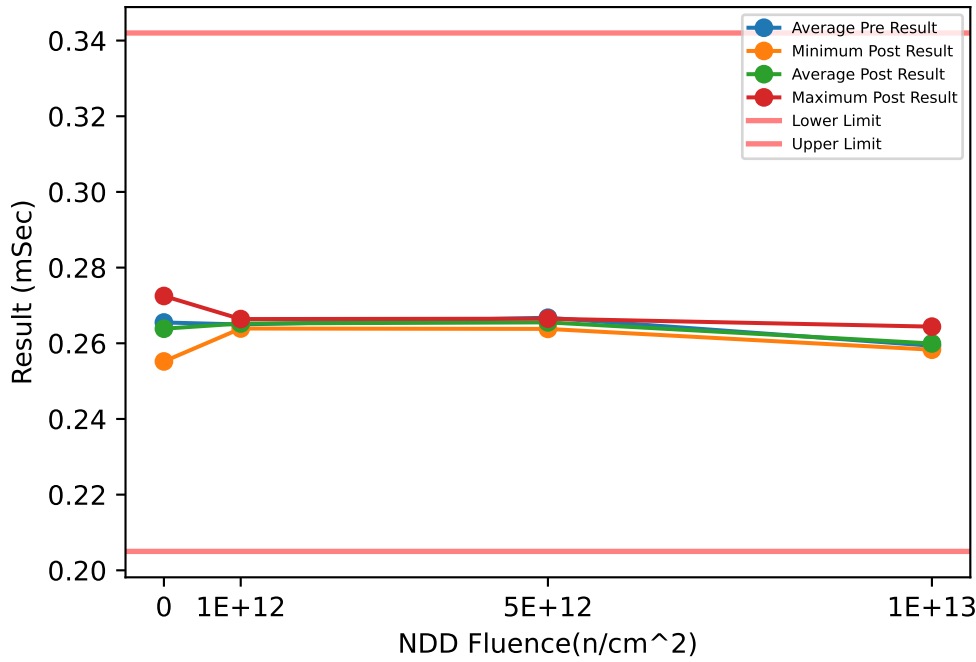
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2575	0.26525	0.273	0.01096	0.2558	0.2647	0.2736	0.012587	-0.0017	-0.00055	0.0006	0.0016263
1e+12	0.2636	0.26545	0.268	0.0020141	0.2636	0.26567	0.2671	0.0014796	-0.0021	0.000225	0.002	0.0017519
5e+12	0.2658	0.26717	0.2686	0.0012971	0.265	0.26653	0.2676	0.0012527	-0.0019	-0.00065	0.0012	0.0013178
1e+13	0.2573	0.2605	0.267	0.004437	0.2581	0.2605	0.2668	0.0042056	-0.0011	0	0.0013	0.00098995

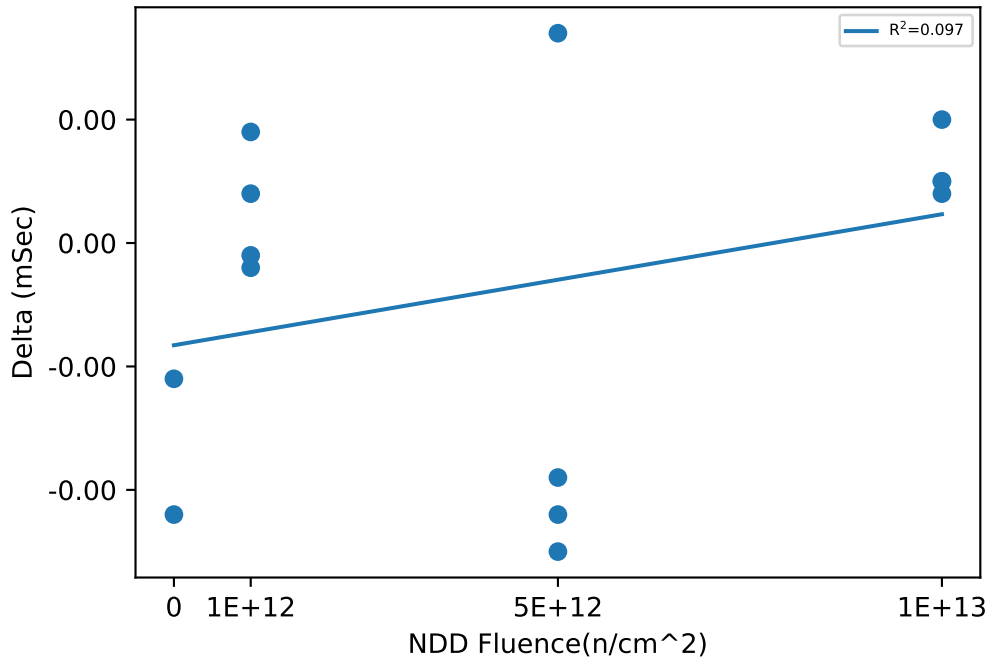
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2641	0.2639	-0.0002
2	1e+12	NDD Unbiased	0.266	0.2664	0.0004
3	1e+12	NDD Unbiased	0.2653	0.2662	0.0009
4	1e+12	NDD Unbiased	0.2645	0.2644	-0.0001
5	5e+12	NDD Unbiased	0.2645	0.2662	0.0017
6	5e+12	NDD Unbiased	0.266	0.2638	-0.0022
7	5e+12	NDD Unbiased	0.2684	0.2665	-0.0019
8	5e+12	NDD Unbiased	0.2681	0.2656	-0.0025
9	1e+13	NDD Unbiased	0.258	0.2585	0.0005
10	1e+13	NDD Unbiased	0.2639	0.2644	0.0005
11	1e+13	NDD Unbiased	0.2573	0.2583	0.001
12	1e+13	NDD Unbiased	0.2582	0.2586	0.0004
53	0	Correlation	0.2574	0.2552	-0.0022
54	0	Correlation	0.2736	0.2725	-0.0011

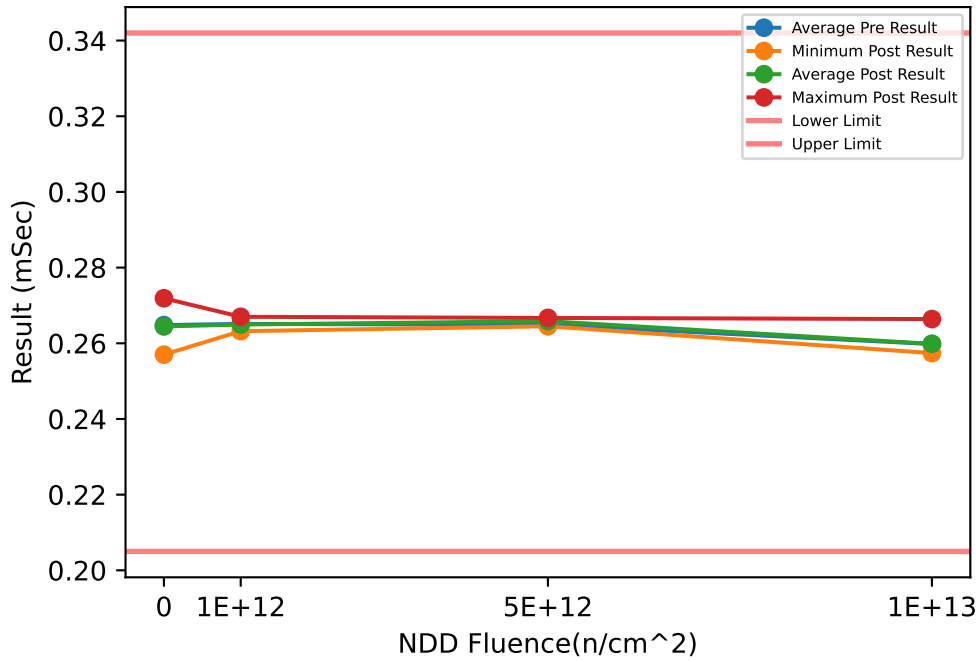
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2574	0.2655	0.2736	0.011455	0.2552	0.26385	0.2725	0.012233	-0.0022	-0.00165	-0.0011	0.00077782
1e+12	0.2641	0.26498	0.266	0.00084607	0.2639	0.26523	0.2664	0.0012606	-0.0002	0.00025	0.0009	0.00050662
5e+12	0.2645	0.26675	0.2684	0.0018412	0.2638	0.26553	0.2665	0.0012093	-0.0025	-0.001225	0.0017	0.0019653
1e+13	0.2573	0.25935	0.2639	0.0030578	0.2583	0.25995	0.2644	0.0029693	0.0004	0.0006	0.001	0.0002708

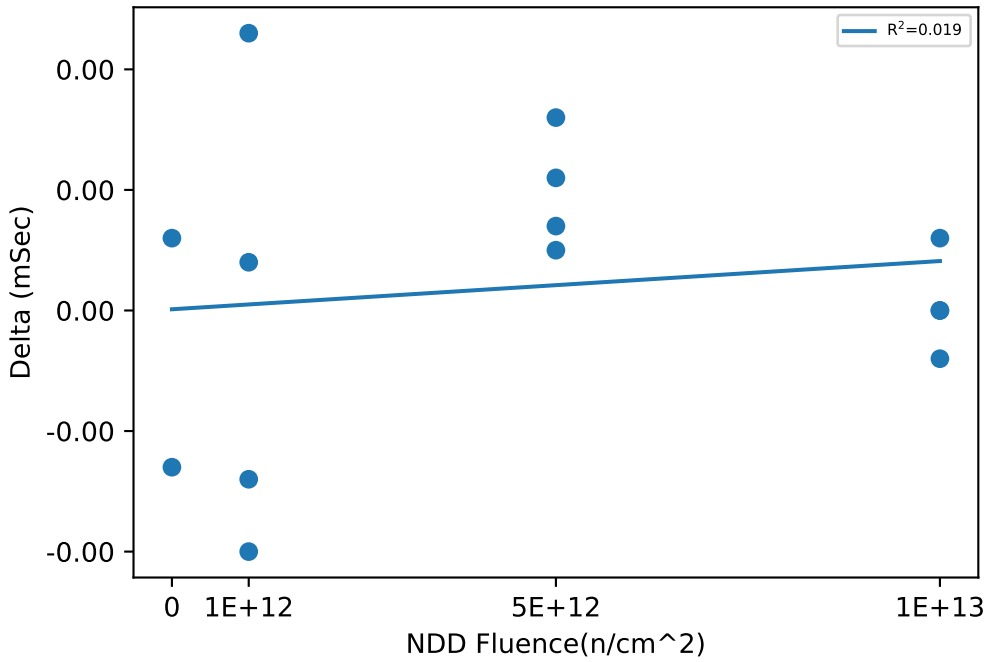
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2638	0.2642	0.0004
2	1e+12	NDD Unbiased	0.2668	0.2654	-0.0014
3	1e+12	NDD Unbiased	0.2647	0.267	0.0023
4	1e+12	NDD Unbiased	0.2652	0.2632	-0.002
5	5e+12	NDD Unbiased	0.2652	0.2659	0.0007
6	5e+12	NDD Unbiased	0.2629	0.2645	0.0016
7	5e+12	NDD Unbiased	0.2662	0.2667	0.0005
8	5e+12	NDD Unbiased	0.2652	0.2663	0.0011
9	1e+13	NDD Unbiased	0.2582	0.2578	-0.0004
10	1e+13	NDD Unbiased	0.2664	0.2664	0
11	1e+13	NDD Unbiased	0.2578	0.2578	0
12	1e+13	NDD Unbiased	0.2568	0.2574	0.0006
53	0	Correlation	0.2564	0.257	0.0006
54	0	Correlation	0.2732	0.2719	-0.0013

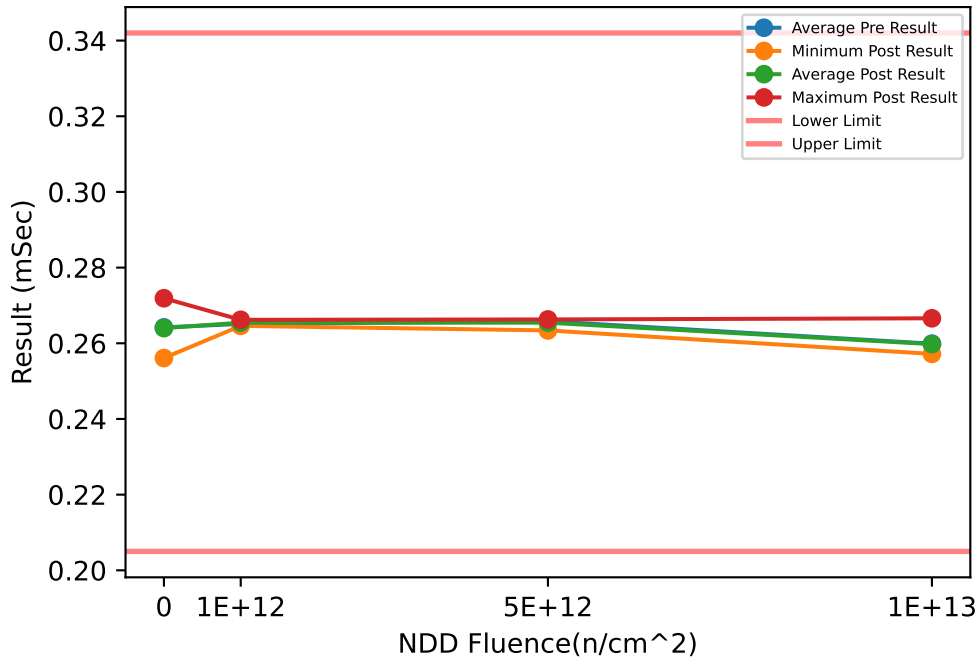
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2564	0.2648	0.2732	0.011879	0.257	0.26445	0.2719	0.010536	-0.0013	-0.00035	0.0006	0.0013435
1e+12	0.2638	0.26512	0.2668	0.001258	0.2632	0.26495	0.267	0.0016361	-0.002	-0.000175	0.0023	0.0019397
5e+12	0.2629	0.26487	0.2662	0.0013985	0.2645	0.26585	0.2667	0.00095743	0.0005	0.000975	0.0016	0.00048563
1e+13	0.2568	0.2598	0.2664	0.0044392	0.2574	0.25985	0.2664	0.0043707	-0.0004	5e-05	0.0006	0.00041231

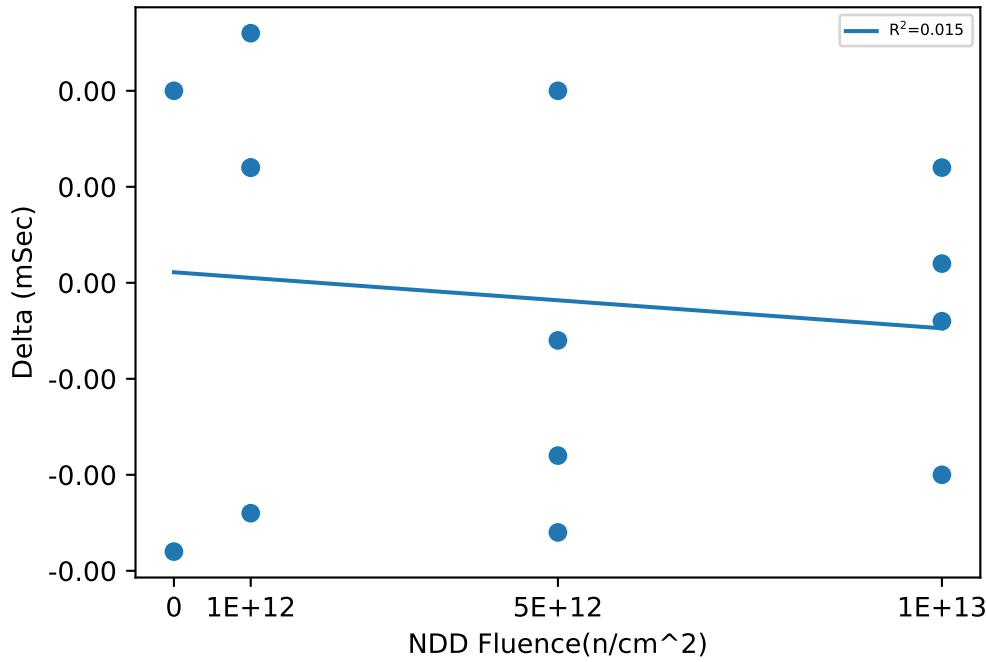
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2637	0.265	0.0013
2	1e+12	NDD Unbiased	0.2654	0.266	0.0006
3	1e+12	NDD Unbiased	0.2674	0.2662	-0.0012
4	1e+12	NDD Unbiased	0.264	0.2646	0.0006
5	5e+12	NDD Unbiased	0.2671	0.2662	-0.0009
6	5e+12	NDD Unbiased	0.2647	0.2634	-0.0013
7	5e+12	NDD Unbiased	0.2662	0.2659	-0.0003
8	5e+12	NDD Unbiased	0.2653	0.2663	0.001
9	1e+13	NDD Unbiased	0.2582	0.2572	-0.001
10	1e+13	NDD Unbiased	0.2665	0.2666	0.0001
11	1e+13	NDD Unbiased	0.2576	0.2574	-0.0002
12	1e+13	NDD Unbiased	0.2573	0.2579	0.0006
53	0	Correlation	0.2551	0.2561	0.001
54	0	Correlation	0.2733	0.2719	-0.0014

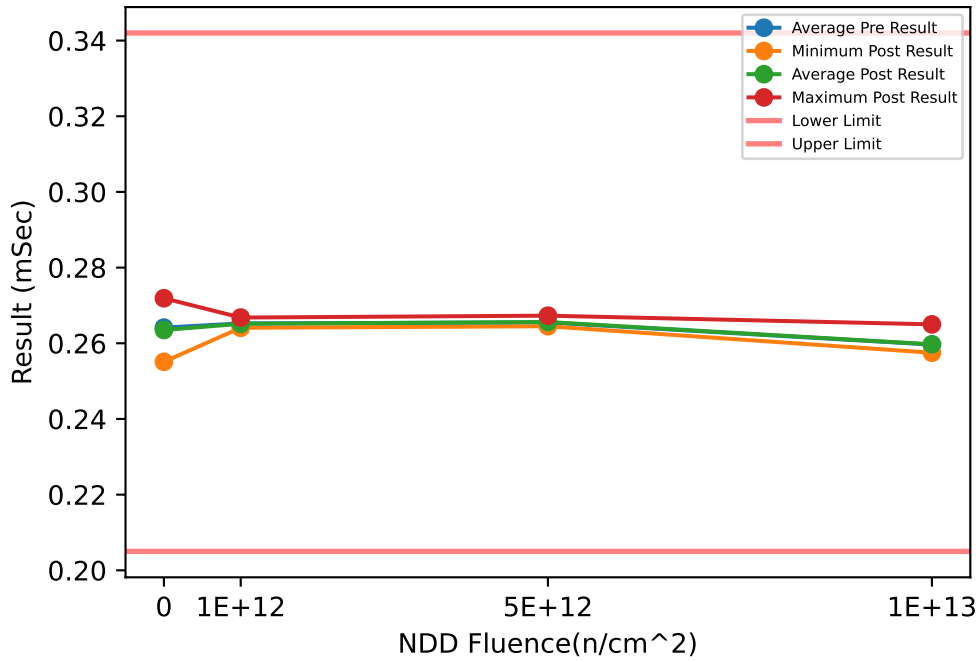
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2551	0.2642	0.2733	0.012869	0.2561	0.264	0.2719	0.011172	-0.0014	-0.0002	0.001	0.0016971
1e+12	0.2637	0.26512	0.2674	0.0016879	0.2646	0.26545	0.2662	0.00077244	-0.0012	0.000325	0.0013	0.0010689
5e+12	0.2647	0.26582	0.2671	0.00105	0.2634	0.26545	0.2663	0.0013772	-0.0013	-0.000375	0.001	0.0010046
1e+13	0.2573	0.2599	0.2665	0.0044159	0.2572	0.25977	0.2666	0.0045595	-0.001	-0.000125	0.0006	0.0006702

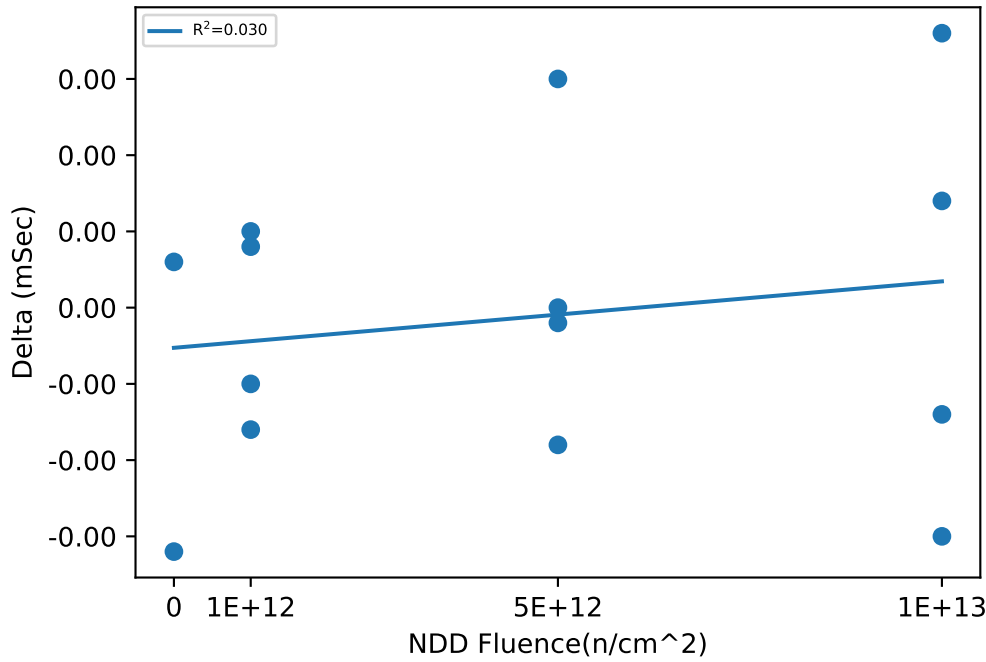
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2646	0.2641	-0.0005
2	1e+12	NDD Unbiased	0.2676	0.2668	-0.0008
3	1e+12	NDD Unbiased	0.2646	0.265	0.0004
4	1e+12	NDD Unbiased	0.2642	0.2647	0.0005
5	5e+12	NDD Unbiased	0.2657	0.2656	-0.0001
6	5e+12	NDD Unbiased	0.263	0.2645	0.0015
7	5e+12	NDD Unbiased	0.2673	0.2673	0
8	5e+12	NDD Unbiased	0.266	0.2651	-0.0009
9	1e+13	NDD Unbiased	0.2582	0.2575	-0.0007
10	1e+13	NDD Unbiased	0.2665	0.265	-0.0015
11	1e+13	NDD Unbiased	0.2572	0.2579	0.0007
12	1e+13	NDD Unbiased	0.2567	0.2585	0.0018
53	0	Correlation	0.2548	0.2551	0.0003
54	0	Correlation	0.2735	0.2719	-0.0016

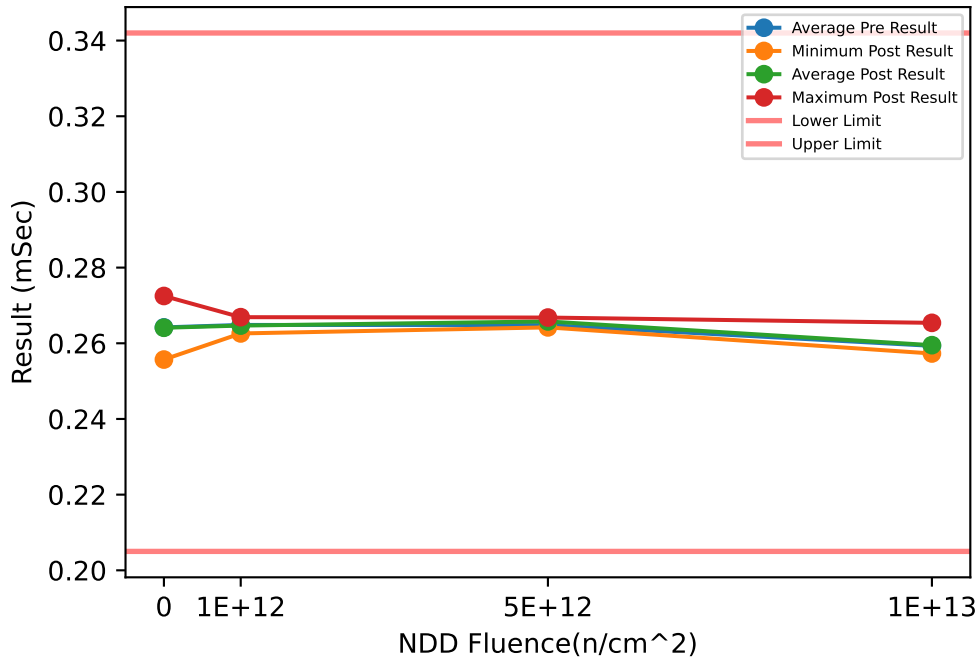
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2548	0.26415	0.2735	0.013223	0.2551	0.2635	0.2719	0.011879	-0.0016	-0.00065	0.0003	0.0013435
1e+12	0.2642	0.26525	0.2676	0.001578	0.2641	0.26515	0.2668	0.0011619	-0.0008	-0.0001	0.0005	0.00064807
5e+12	0.263	0.2655	0.2673	0.0018055	0.2645	0.26562	0.2673	0.0012038	-0.0009	0.000125	0.0015	0.0010012
1e+13	0.2567	0.25965	0.2665	0.004609	0.2575	0.25972	0.265	0.0035406	-0.0015	7.5e-05	0.0018	0.001466

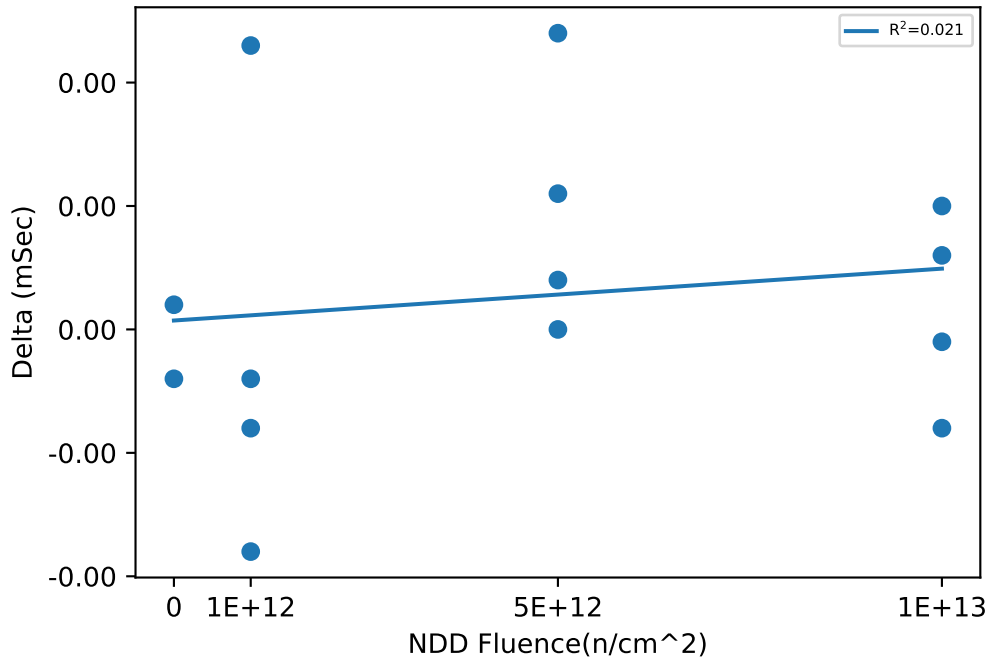
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2644	0.2626	-0.0018
2	1e+12	NDD Unbiased	0.2655	0.2651	-0.0004
3	1e+12	NDD Unbiased	0.2646	0.2669	0.0023
4	1e+12	NDD Unbiased	0.2649	0.2641	-0.0008
5	5e+12	NDD Unbiased	0.2644	0.2668	0.0024
6	5e+12	NDD Unbiased	0.2631	0.2642	0.0011
7	5e+12	NDD Unbiased	0.2666	0.2666	0
8	5e+12	NDD Unbiased	0.2651	0.2655	0.0004
9	1e+13	NDD Unbiased	0.2581	0.2573	-0.0008
10	1e+13	NDD Unbiased	0.2644	0.2654	0.001
11	1e+13	NDD Unbiased	0.2581	0.258	-0.0001
12	1e+13	NDD Unbiased	0.2567	0.2573	0.0006
53	0	Correlation	0.2561	0.2557	-0.0004
54	0	Correlation	0.2723	0.2725	0.0002

NDD vs Post - Pre Exposure Delta

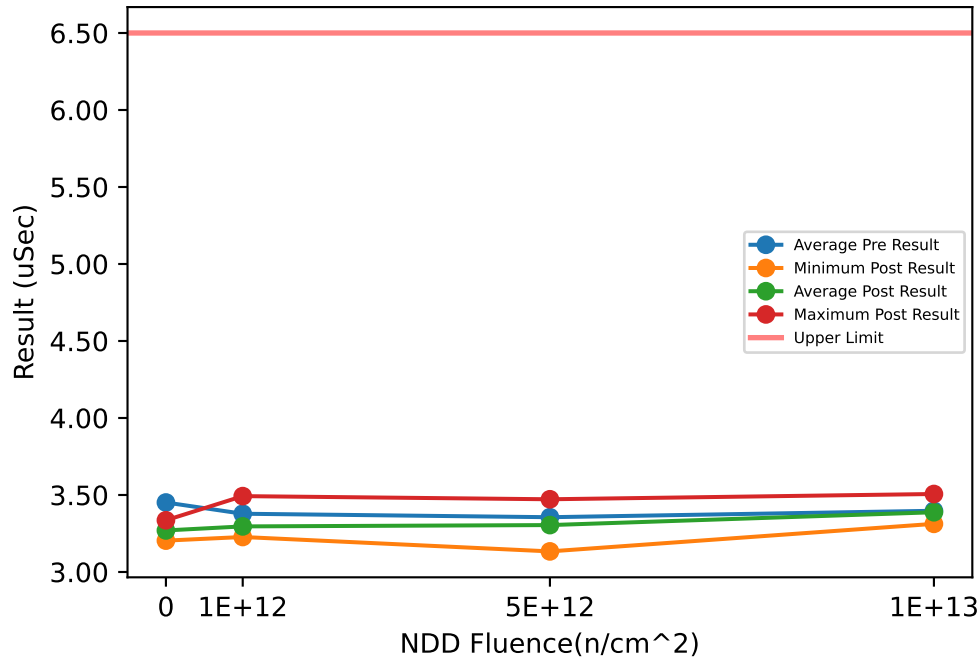


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2561	0.2642	0.2723	0.011455	0.2557	0.2641	0.2725	0.011879	-0.0004	-0.0001	0.0002	0.00042426
1e+12	0.2644	0.26485	0.2655	0.00047958	0.2626	0.26467	0.2669	0.0018044	-0.0018	-0.000175	0.0023	0.0017519
5e+12	0.2631	0.2648	0.2666	0.0014583	0.2642	0.26577	0.2668	0.0011955	0	0.000975	0.0024	0.0010532
1e+13	0.2567	0.25933	0.2644	0.0034471	0.2573	0.2595	0.2654	0.0039472	-0.0008	0.000175	0.001	0.0007932

Device Test: 17.9 TPD_EN(_DELAY|STEP_DOWN/EN3/1.6/3/0/0/0/@TPD_EN)

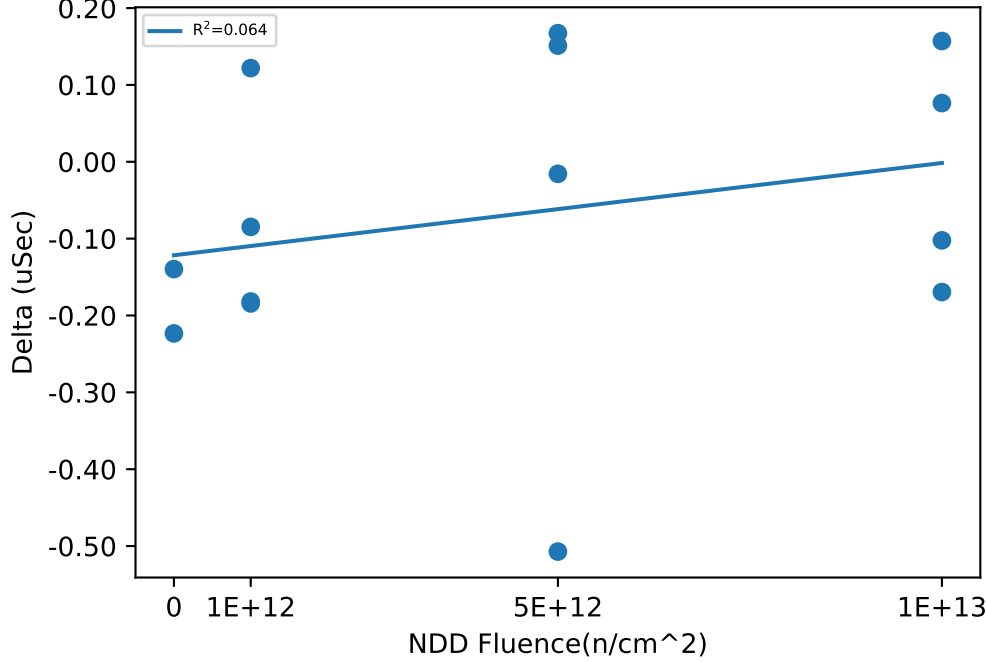
NDD vs Result Stats



Test Results (Upper Limit = 6.5 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	3.3707	3.4926	0.1219
2	1e+12	NDD Unbiased	3.316	3.2313	-0.0847
3	1e+12	NDD Unbiased	3.4172	3.2329	-0.1843
4	1e+12	NDD Unbiased	3.409	3.2272	-0.1818
5	5e+12	NDD Unbiased	3.0443	3.2116	0.1673
6	5e+12	NDD Unbiased	3.4167	3.401	-0.0157
7	5e+12	NDD Unbiased	3.321	3.4722	0.1512
8	5e+12	NDD Unbiased	3.6409	3.1337	-0.5072
9	1e+13	NDD Unbiased	3.3493	3.5064	0.1571
10	1e+13	NDD Unbiased	3.3088	3.3852	0.0764
11	1e+13	NDD Unbiased	3.4821	3.3126	-0.1695
12	1e+13	NDD Unbiased	3.4496	3.3474	-0.1022
53	0	Correlation	3.4754	3.3358	-0.1396
54	0	Correlation	3.427	3.2037	-0.2233

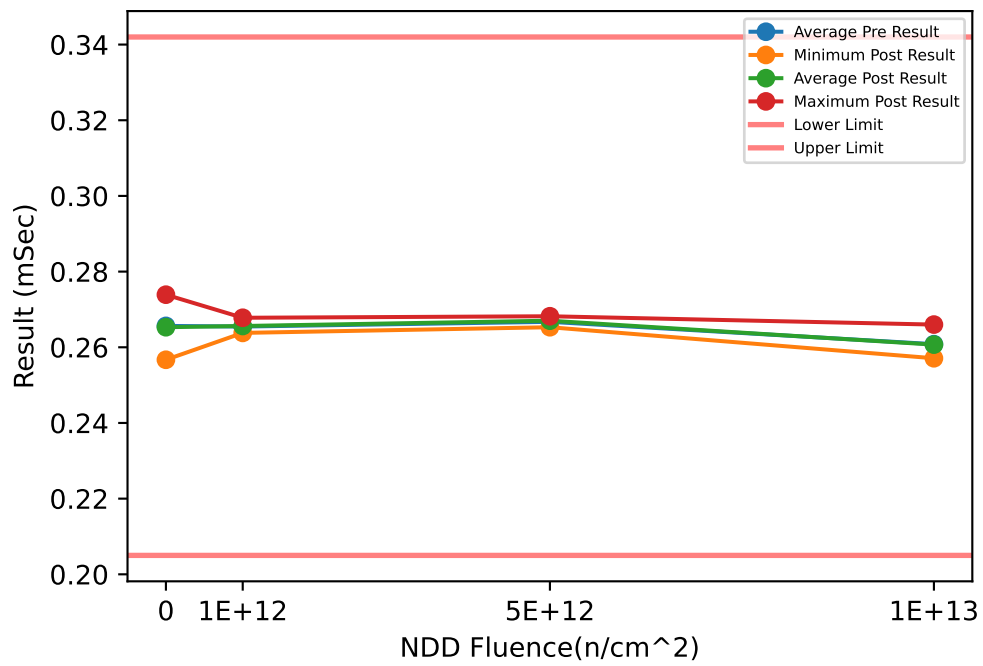
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.427	3.4512	3.4754	0.034224	3.2037	3.2698	3.3358	0.093409	-0.2233	-0.18145	-0.1396	0.059185
1e+12	3.316	3.3782	3.4172	0.046169	3.2272	3.296	3.4926	0.13109	-0.1843	-0.082225	0.1219	0.14377
5e+12	3.0443	3.3557	3.6409	0.24714	3.1337	3.3046	3.4722	0.15837	-0.5072	-0.0511	0.1673	0.31512
1e+13	3.3088	3.3975	3.4821	0.081777	3.3126	3.3879	3.5064	0.08438	-0.1695	-0.00955	0.1571	0.15202

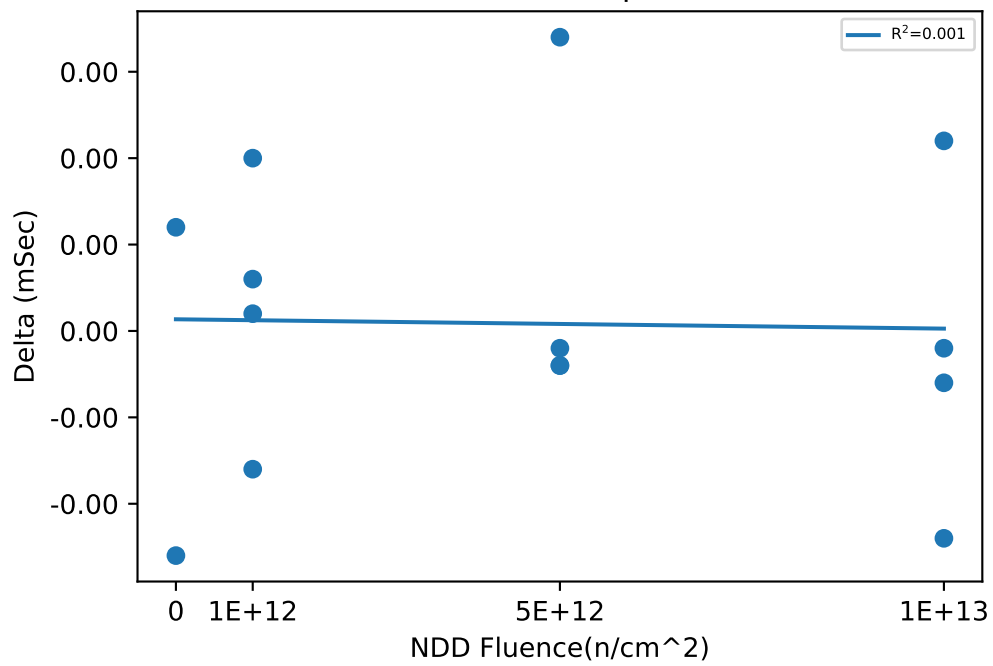
NDD vs Result Stats



Test Results (Lower Limit = 0.205, Upper Limit = 0.342 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2646	0.2638	-0.0008
2	1e+12	NDD Unbiased	0.2652	0.2653	0.0001
3	1e+12	NDD Unbiased	0.2675	0.2678	0.0003
4	1e+12	NDD Unbiased	0.2646	0.2656	0.001
5	5e+12	NDD Unbiased	0.2665	0.2682	0.0017
6	5e+12	NDD Unbiased	0.2655	0.2653	-0.0002
7	5e+12	NDD Unbiased	0.2681	0.2679	-0.0002
8	5e+12	NDD Unbiased	0.2668	0.2667	-0.0001
9	1e+13	NDD Unbiased	0.2595	0.2594	-0.0001
10	1e+13	NDD Unbiased	0.2663	0.266	-0.0003
11	1e+13	NDD Unbiased	0.2583	0.2571	-0.0012
12	1e+13	NDD Unbiased	0.2592	0.2603	0.0011
53	0	Correlation	0.258	0.2567	-0.0013
54	0	Correlation	0.2733	0.2739	0.0006

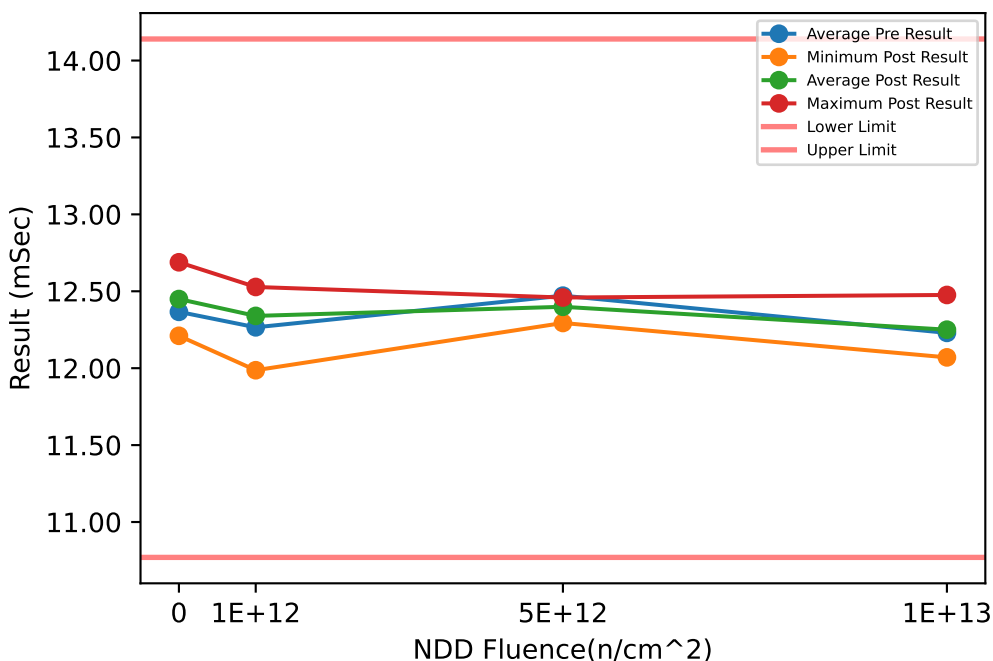
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.258	0.26565	0.2733	0.010819	0.2567	0.2653	0.2739	0.012162	-0.0013	-0.00035	0.0006	0.0013435
1e+12	0.2646	0.26548	0.2675	0.0013793	0.2638	0.26562	0.2678	0.00165	-0.0008	0.00015	0.001	0.00074162
5e+12	0.2655	0.26672	0.2681	0.001072	0.2653	0.26703	0.2682	0.00132	-0.0002	0.0003	0.0017	0.00093452
1e+13	0.2583	0.26082	0.2663	0.0036854	0.2571	0.2607	0.266	0.0037815	-0.0012	-0.000125	0.0011	0.00094648

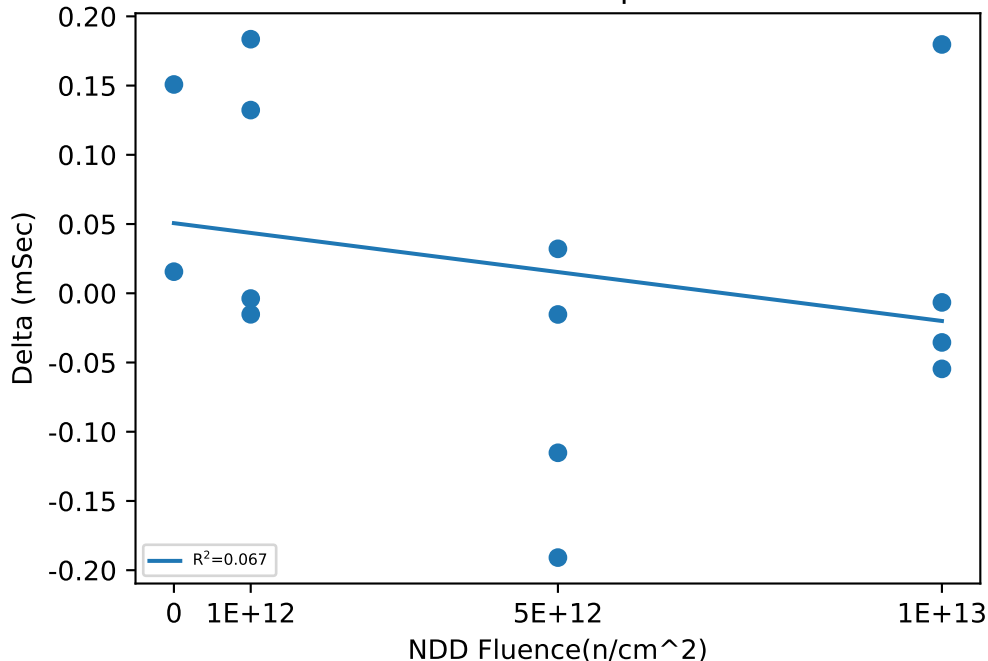
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.232	12.416	0.1835
2	1e+12	NDD Unbiased	12.444	12.429	-0.0152
3	1e+12	NDD Unbiased	12.396	12.528	0.1323
4	1e+12	NDD Unbiased	11.991	11.987	-0.0038
5	5e+12	NDD Unbiased	12.539	12.424	-0.1152
6	5e+12	NDD Unbiased	12.262	12.294	0.0321
7	5e+12	NDD Unbiased	12.61	12.419	-0.1909
8	5e+12	NDD Unbiased	12.475	12.459	-0.0153
9	1e+13	NDD Unbiased	12.077	12.07	-0.0066
10	1e+13	NDD Unbiased	12.531	12.476	-0.0546
11	1e+13	NDD Unbiased	12.222	12.186	-0.0355
12	1e+13	NDD Unbiased	12.089	12.269	0.1797
53	0	Correlation	12.06	12.21	0.1508
54	0	Correlation	12.673	12.688	0.0156

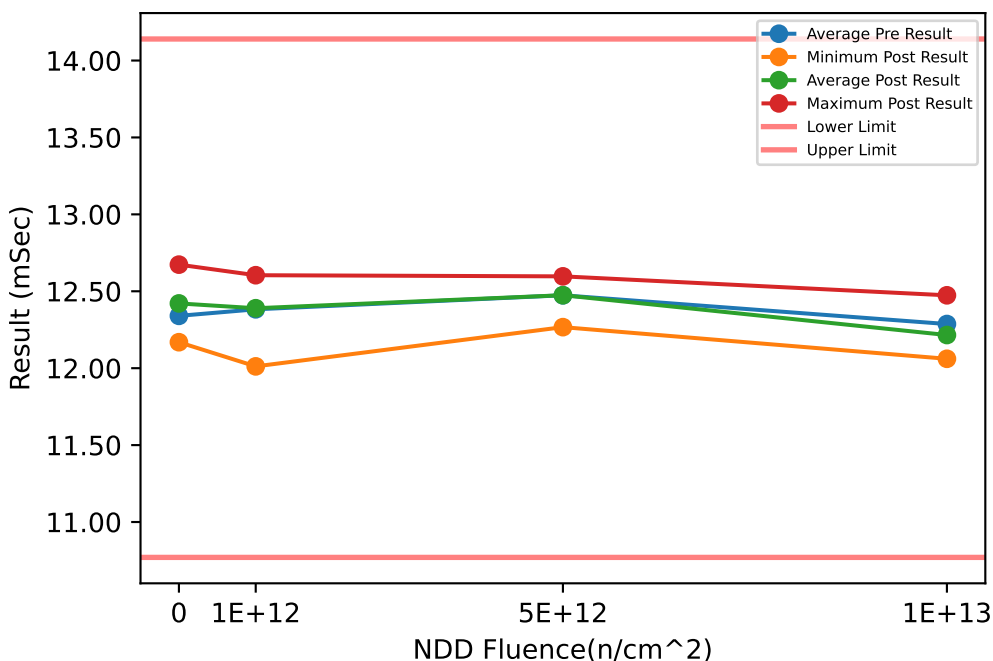
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.06	12.366	12.673	0.4336	12.21	12.45	12.688	0.338	0.0156	0.0832	0.1508	0.095601
1e+12	11.991	12.266	12.444	0.20469	11.987	12.34	12.528	0.24073	-0.0152	0.0742	0.1835	0.098992
5e+12	12.262	12.471	12.61	0.15032	12.294	12.399	12.459	0.072388	-0.1909	-0.072325	0.0321	0.10009
1e+13	12.077	12.23	12.531	0.21108	12.07	12.25	12.476	0.17109	-0.0546	0.02075	0.1797	0.10779

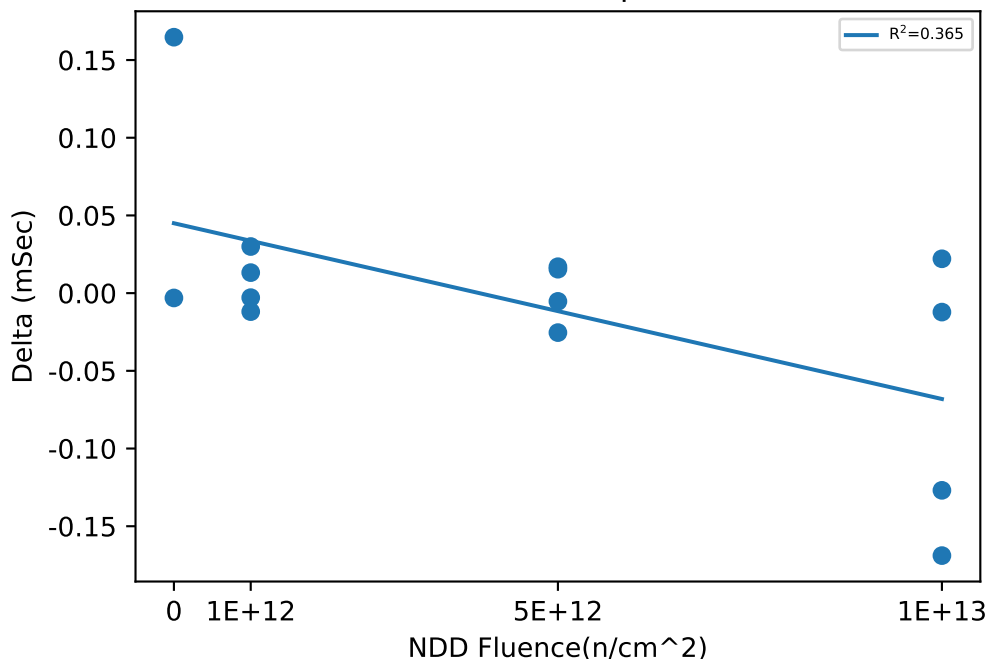
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.373	12.402	0.03
2	1e+12	NDD Unbiased	12.607	12.604	-0.0029
3	1e+12	NDD Unbiased	12.527	12.54	0.0132
4	1e+12	NDD Unbiased	12.024	12.012	-0.0119
5	5e+12	NDD Unbiased	12.556	12.573	0.017
6	5e+12	NDD Unbiased	12.251	12.267	0.0154
7	5e+12	NDD Unbiased	12.602	12.597	-0.0053
8	5e+12	NDD Unbiased	12.486	12.461	-0.0254
9	1e+13	NDD Unbiased	12.233	12.064	-0.1689
10	1e+13	NDD Unbiased	12.486	12.474	-0.0122
11	1e+13	NDD Unbiased	12.188	12.061	-0.1269
12	1e+13	NDD Unbiased	12.241	12.263	0.0221
53	0	Correlation	12.172	12.169	-0.0031
54	0	Correlation	12.508	12.673	0.1647

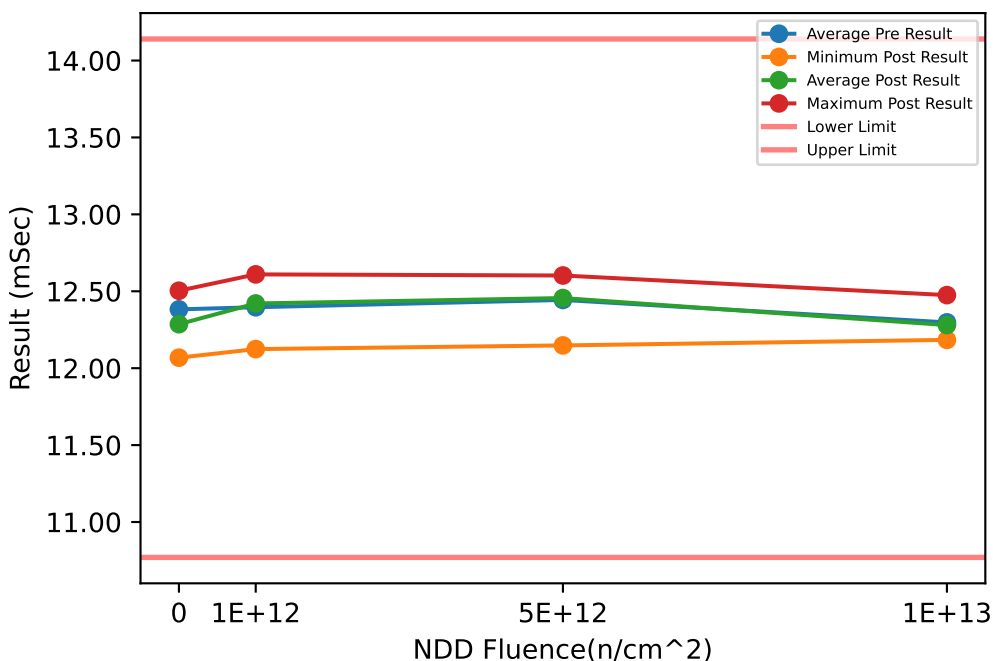
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.172	12.34	12.508	0.23794	12.169	12.421	12.673	0.35659	-0.0031	0.0808	0.1647	0.11865
1e+12	12.024	12.383	12.607	0.25842	12.012	12.39	12.604	0.26571	-0.0119	0.0071	0.03	0.018463
5e+12	12.251	12.474	12.602	0.15586	12.267	12.474	12.597	0.15057	-0.0254	0.000425	0.017	0.019989
1e+13	12.188	12.287	12.486	0.13466	12.061	12.216	12.474	0.19635	-0.1689	-0.071475	0.0221	0.090982

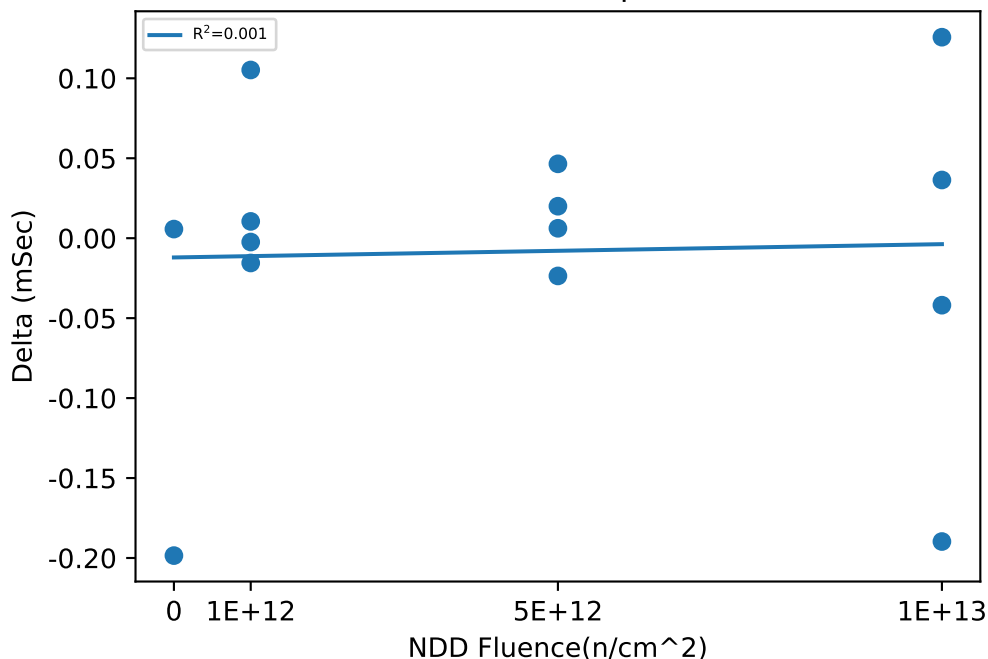
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.4	12.397	-0.0024
2	1e+12	NDD Unbiased	12.625	12.61	-0.0155
3	1e+12	NDD Unbiased	12.541	12.552	0.0105
4	1e+12	NDD Unbiased	12.019	12.124	0.1052
5	5e+12	NDD Unbiased	12.545	12.591	0.0465
6	5e+12	NDD Unbiased	12.128	12.148	0.02
7	5e+12	NDD Unbiased	12.596	12.603	0.0062
8	5e+12	NDD Unbiased	12.506	12.482	-0.0236
9	1e+13	NDD Unbiased	12.226	12.184	-0.0419
10	1e+13	NDD Unbiased	12.665	12.475	-0.1897
11	1e+13	NDD Unbiased	12.064	12.189	0.1257
12	1e+13	NDD Unbiased	12.236	12.273	0.0364
53	0	Correlation	12.063	12.068	0.0057
54	0	Correlation	12.702	12.504	-0.1985

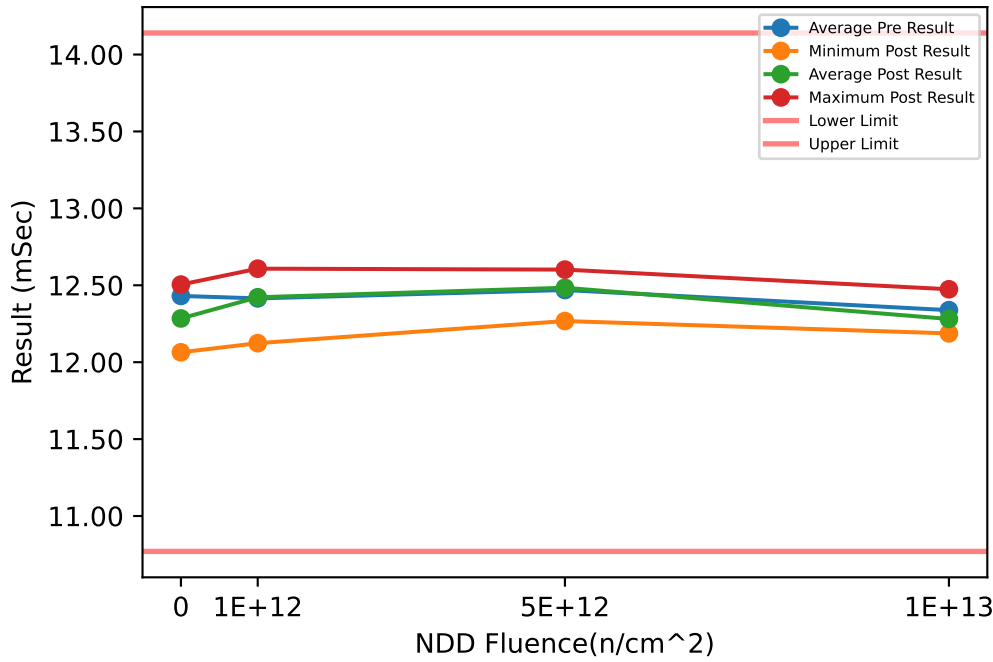
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.063	12.382	12.702	0.45212	12.068	12.286	12.504	0.30773	-0.1985	-0.0964	0.0057	0.14439
1e+12	12.019	12.396	12.625	0.26825	12.124	12.421	12.61	0.21714	-0.0155	0.02445	0.1052	0.05487
5e+12	12.128	12.444	12.596	0.2137	12.148	12.456	12.603	0.21236	-0.0236	0.012275	0.0465	0.029183
1e+13	12.064	12.298	12.665	0.25722	12.184	12.28	12.475	0.13607	-0.1897	-0.017375	0.1257	0.13374

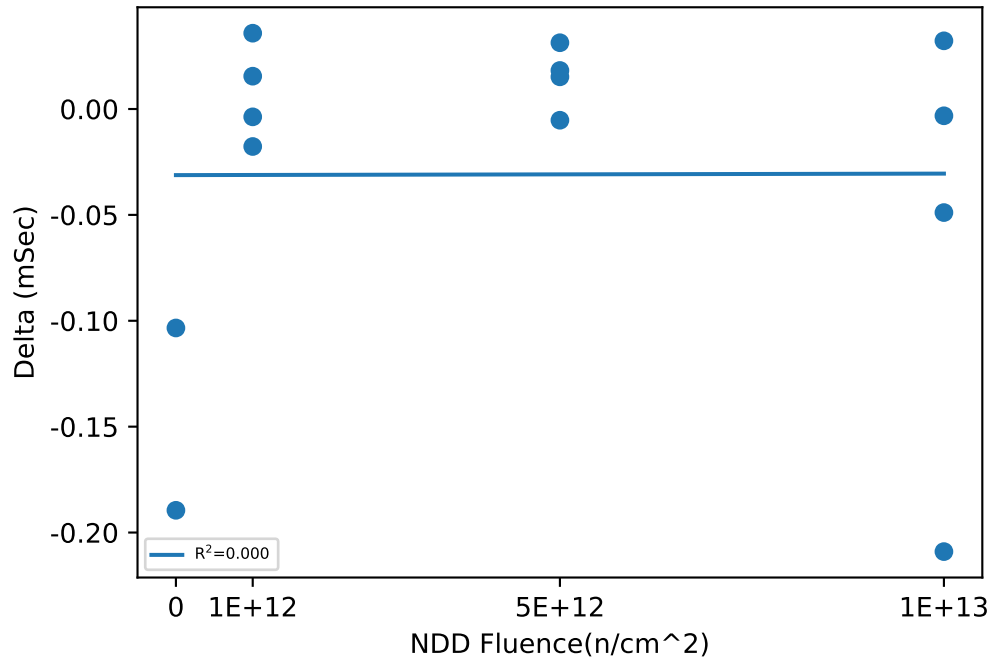
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.388	12.404	0.0155
2	1e+12	NDD Unbiased	12.626	12.608	-0.0177
3	1e+12	NDD Unbiased	12.517	12.553	0.0358
4	1e+12	NDD Unbiased	12.127	12.124	-0.0037
5	5e+12	NDD Unbiased	12.573	12.591	0.0182
6	5e+12	NDD Unbiased	12.252	12.268	0.0152
7	5e+12	NDD Unbiased	12.571	12.602	0.0313
8	5e+12	NDD Unbiased	12.481	12.475	-0.0053
9	1e+13	NDD Unbiased	12.236	12.187	-0.0489
10	1e+13	NDD Unbiased	12.683	12.474	-0.209
11	1e+13	NDD Unbiased	12.191	12.188	-0.0032
12	1e+13	NDD Unbiased	12.243	12.275	0.0322
53	0	Correlation	12.168	12.064	-0.1034
54	0	Correlation	12.694	12.505	-0.1895

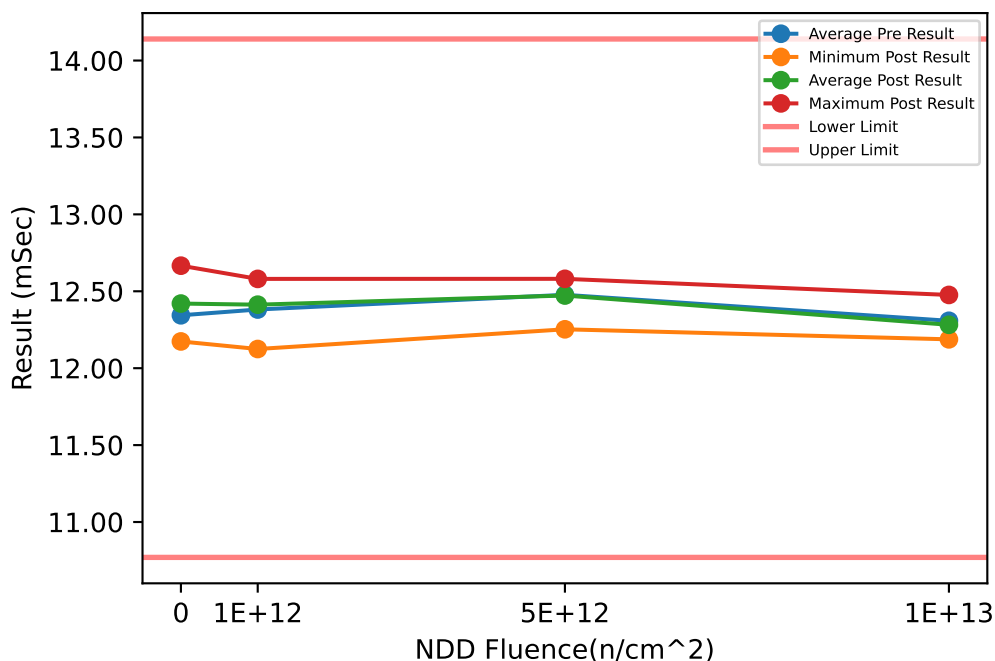
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.168	12.431	12.694	0.37222	12.064	12.284	12.505	0.31134	-0.1895	-0.14645	-0.1034	0.060882
1e+12	12.127	12.415	12.626	0.21472	12.124	12.422	12.608	0.21689	-0.0177	0.007475	0.0358	0.023276
5e+12	12.252	12.469	12.573	0.15081	12.268	12.484	12.602	0.15528	-0.0053	0.01485	0.0313	0.015143
1e+13	12.191	12.338	12.683	0.23108	12.187	12.281	12.474	0.13523	-0.209	-0.057225	0.0322	0.10649

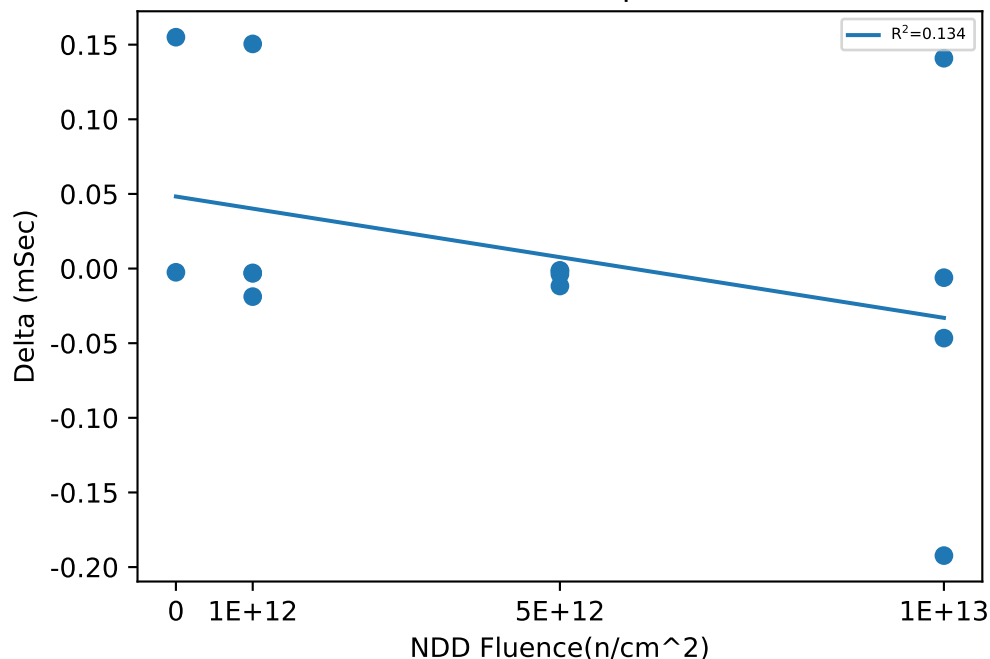
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.401	12.398	-0.0032
2	1e+12	NDD Unbiased	12.599	12.581	-0.0188
3	1e+12	NDD Unbiased	12.398	12.549	0.1505
4	1e+12	NDD Unbiased	12.128	12.125	-0.0029
5	5e+12	NDD Unbiased	12.574	12.573	-0.0012
6	5e+12	NDD Unbiased	12.255	12.253	-0.0017
7	5e+12	NDD Unbiased	12.585	12.581	-0.0038
8	5e+12	NDD Unbiased	12.495	12.483	-0.0117
9	1e+13	NDD Unbiased	12.236	12.189	-0.0466
10	1e+13	NDD Unbiased	12.668	12.476	-0.1923
11	1e+13	NDD Unbiased	12.194	12.188	-0.0061
12	1e+13	NDD Unbiased	12.135	12.275	0.1409
53	0	Correlation	12.176	12.174	-0.0025
54	0	Correlation	12.511	12.666	0.155

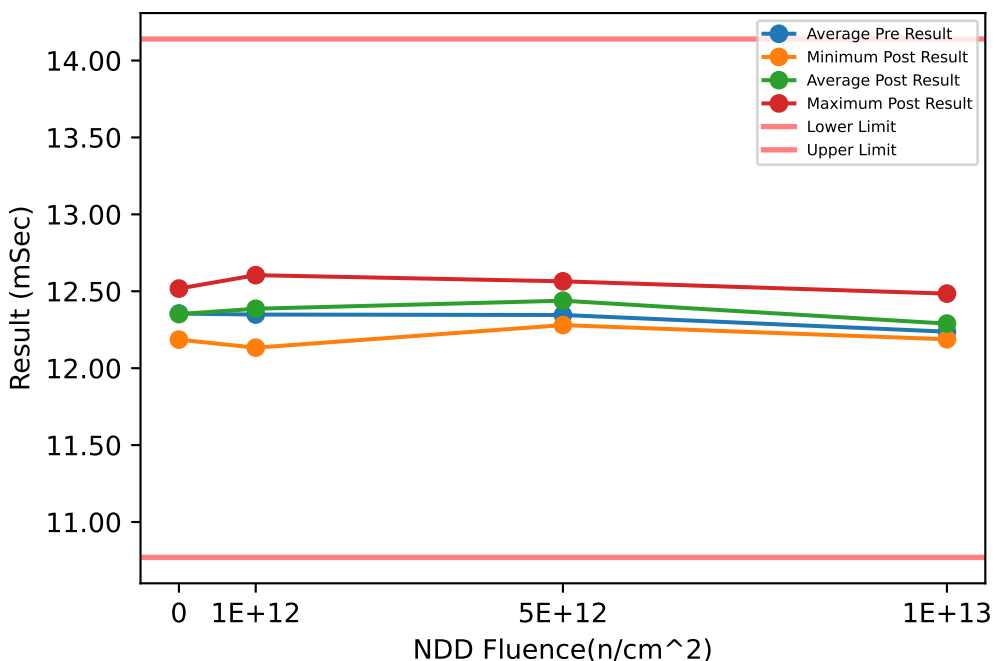
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.176	12.344	12.511	0.23688	12.174	12.42	12.666	0.34825	-0.0025	0.07625	0.155	0.11137
1e+12	12.128	12.381	12.599	0.19369	12.125	12.413	12.581	0.20798	-0.0188	0.0314	0.1505	0.079746
5e+12	12.255	12.477	12.585	0.15367	12.253	12.472	12.581	0.15298	-0.0117	-0.0046	-0.0012	0.0048655
1e+13	12.135	12.308	12.668	0.24381	12.188	12.282	12.476	0.13579	-0.1923	-0.026025	0.1409	0.13703

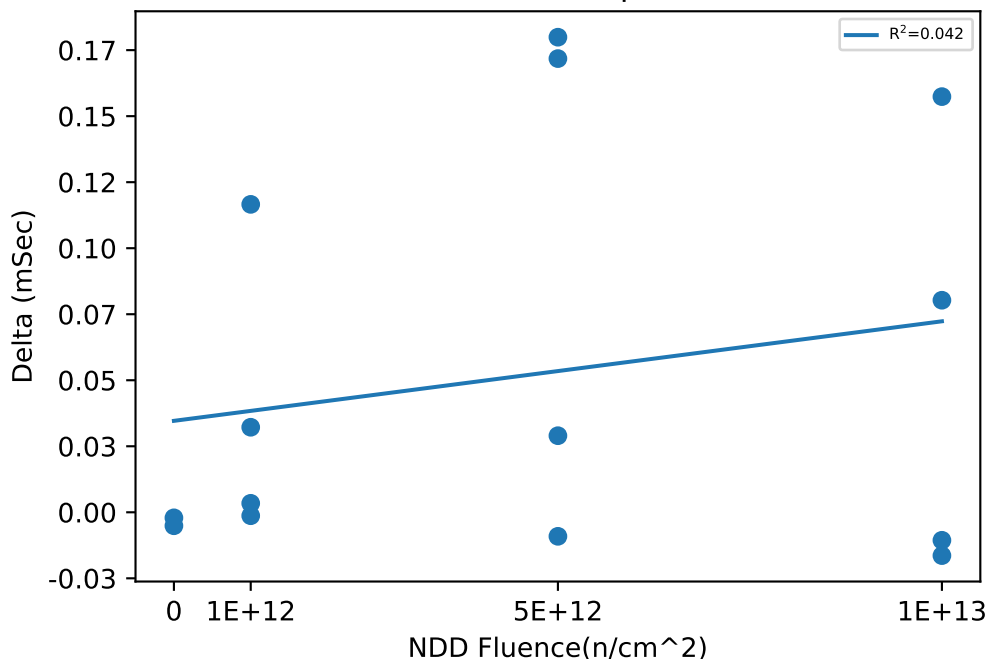
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.414	12.417	0.0034
2	1e+12	NDD Unbiased	12.606	12.605	-0.0013
3	1e+12	NDD Unbiased	12.358	12.39	0.0322
4	1e+12	NDD Unbiased	12.017	12.133	0.1166
5	5e+12	NDD Unbiased	12.385	12.565	0.1799
6	5e+12	NDD Unbiased	12.251	12.28	0.029
7	5e+12	NDD Unbiased	12.424	12.415	-0.0091
8	5e+12	NDD Unbiased	12.323	12.495	0.1718
9	1e+13	NDD Unbiased	12.118	12.198	0.0803
10	1e+13	NDD Unbiased	12.501	12.485	-0.0164
11	1e+13	NDD Unbiased	12.198	12.188	-0.0106
12	1e+13	NDD Unbiased	12.132	12.289	0.1574
53	0	Correlation	12.188	12.186	-0.0021
54	0	Correlation	12.523	12.518	-0.0051

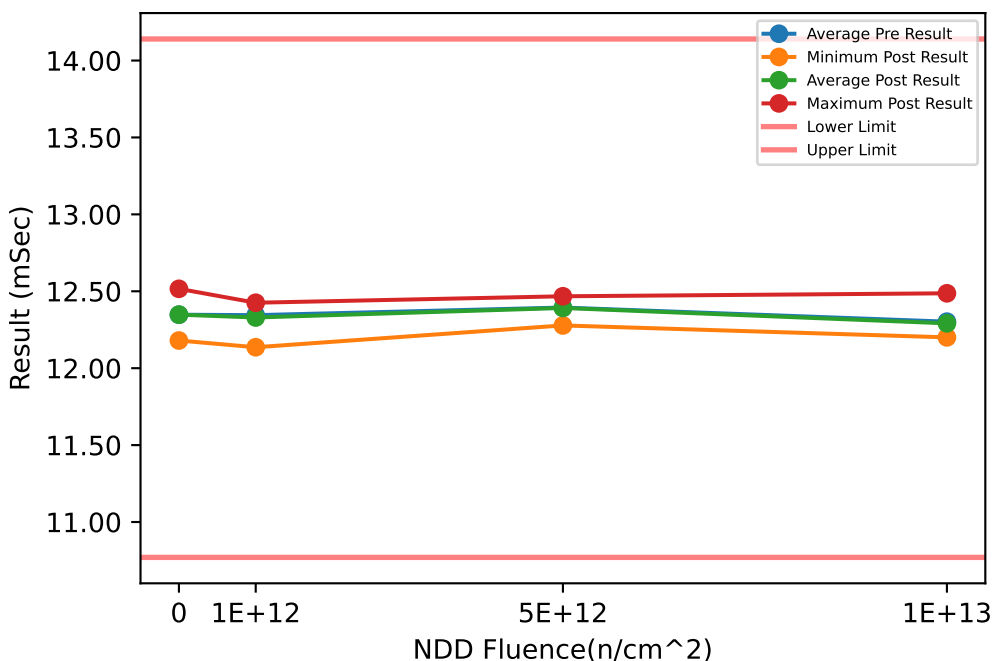
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.188	12.355	12.523	0.23667	12.186	12.352	12.518	0.23455	-0.0051	-0.0036	-0.0021	0.0021213
1e+12	12.017	12.349	12.606	0.24545	12.133	12.386	12.605	0.1938	-0.0013	0.037725	0.1166	0.054629
5e+12	12.251	12.346	12.424	0.075536	12.28	12.439	12.565	0.1222	-0.0091	0.0929	0.1799	0.097093
1e+13	12.118	12.237	12.501	0.17938	12.188	12.29	12.485	0.13758	-0.0164	0.052675	0.1574	0.082675

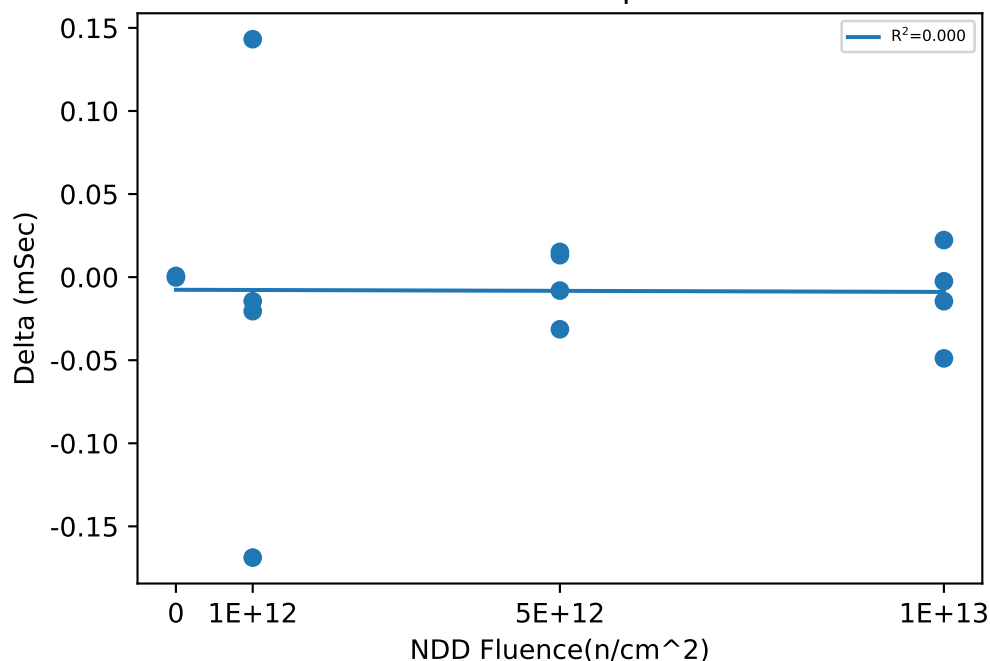
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.411	12.39	-0.0205
2	1e+12	NDD Unbiased	12.44	12.425	-0.0145
3	1e+12	NDD Unbiased	12.535	12.366	-0.1688
4	1e+12	NDD Unbiased	11.993	12.136	0.1432
5	5e+12	NDD Unbiased	12.388	12.403	0.0152
6	5e+12	NDD Unbiased	12.265	12.278	0.0132
7	5e+12	NDD Unbiased	12.426	12.418	-0.0081
8	5e+12	NDD Unbiased	12.499	12.467	-0.0314
9	1e+13	NDD Unbiased	12.249	12.2	-0.0489
10	1e+13	NDD Unbiased	12.501	12.487	-0.0145
11	1e+13	NDD Unbiased	12.204	12.201	-0.0025
12	1e+13	NDD Unbiased	12.256	12.278	0.0223
53	0	Correlation	12.18	12.18	-0.0002
54	0	Correlation	12.515	12.516	0.0007

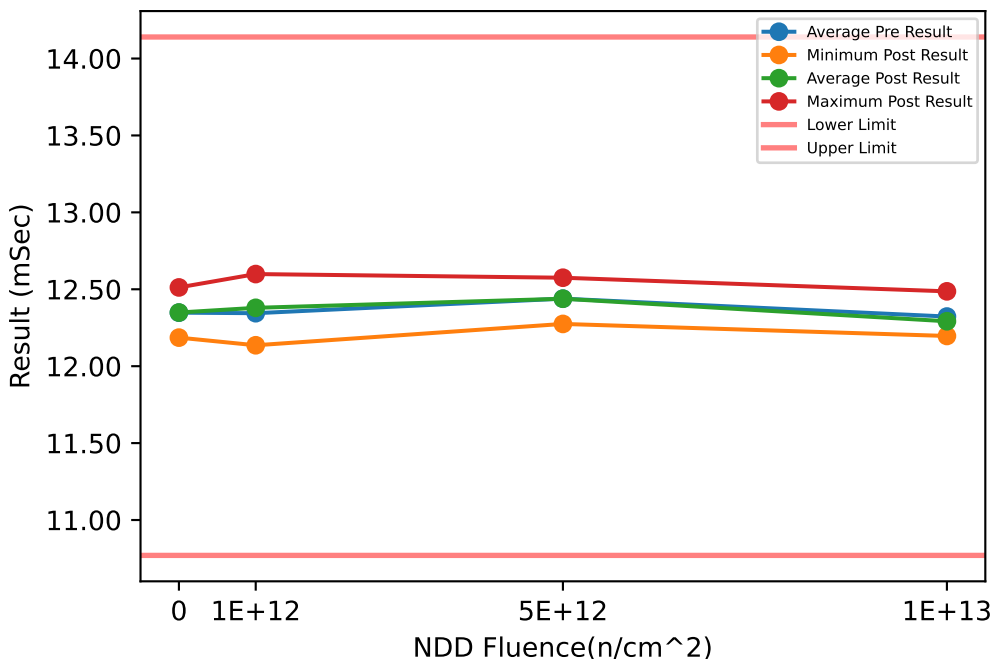
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.18	12.348	12.515	0.23702	12.18	12.348	12.516	0.23766	-0.0002	0.00025	0.0007	0.0006364
1e+12	11.993	12.345	12.535	0.24037	12.136	12.33	12.425	0.13119	-0.1688	-0.01515	0.1432	0.12743
5e+12	12.265	12.394	12.499	0.097906	12.278	12.392	12.467	0.08061	-0.0314	-0.002775	0.0152	0.021803
1e+13	12.204	12.302	12.501	0.1346	12.2	12.292	12.487	0.13517	-0.0489	-0.0109	0.0223	0.029607

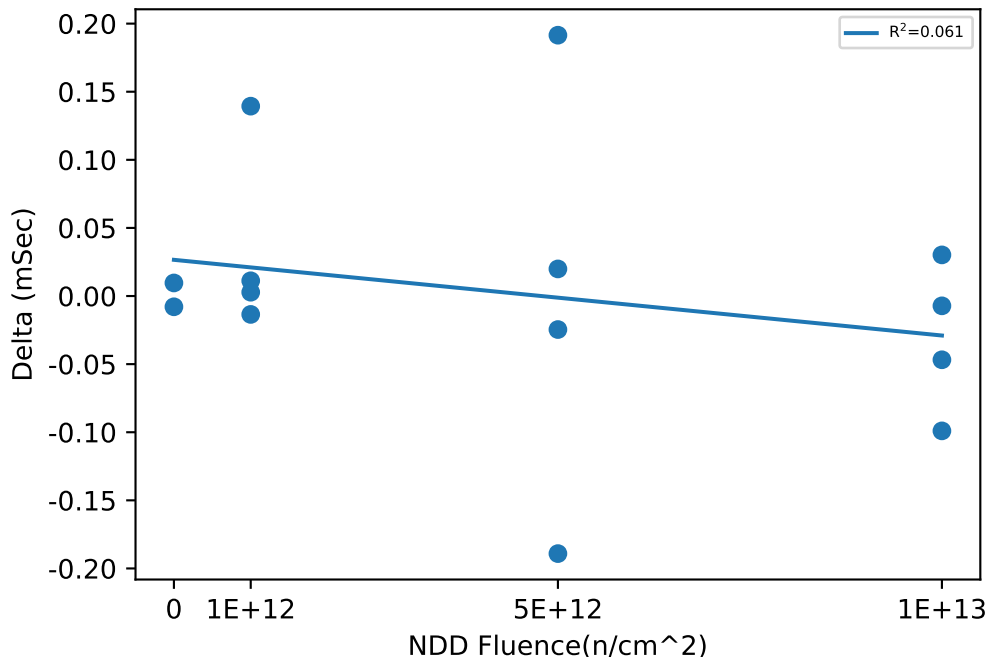
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.413	12.415	0.0028
2	1e+12	NDD Unbiased	12.612	12.599	-0.0135
3	1e+12	NDD Unbiased	12.356	12.367	0.0112
4	1e+12	NDD Unbiased	11.997	12.136	0.1394
5	5e+12	NDD Unbiased	12.384	12.575	0.1915
6	5e+12	NDD Unbiased	12.255	12.275	0.0199
7	5e+12	NDD Unbiased	12.6	12.41	-0.1891
8	5e+12	NDD Unbiased	12.518	12.494	-0.0246
9	1e+13	NDD Unbiased	12.247	12.2	-0.0468
10	1e+13	NDD Unbiased	12.586	12.487	-0.099
11	1e+13	NDD Unbiased	12.204	12.197	-0.0072
12	1e+13	NDD Unbiased	12.255	12.285	0.0302
53	0	Correlation	12.176	12.186	0.0096
54	0	Correlation	12.52	12.512	-0.0079

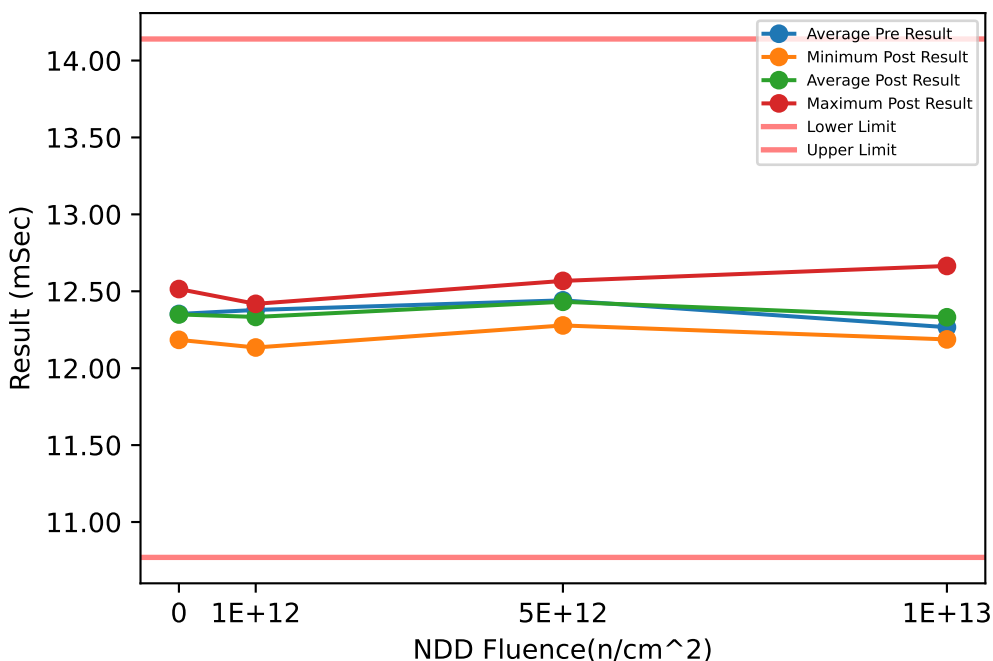
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.176	12.348	12.52	0.2431	12.186	12.349	12.512	0.23073	-0.0079	0.00085	0.0096	0.012374
1e+12	11.997	12.344	12.612	0.25664	12.136	12.379	12.599	0.1905	-0.0135	0.034975	0.1394	0.070368
5e+12	12.255	12.439	12.6	0.15171	12.275	12.438	12.575	0.12823	-0.1891	-0.000575	0.1915	0.15645
1e+13	12.204	12.323	12.586	0.17667	12.197	12.292	12.487	0.13604	-0.099	-0.0307	0.0302	0.055333

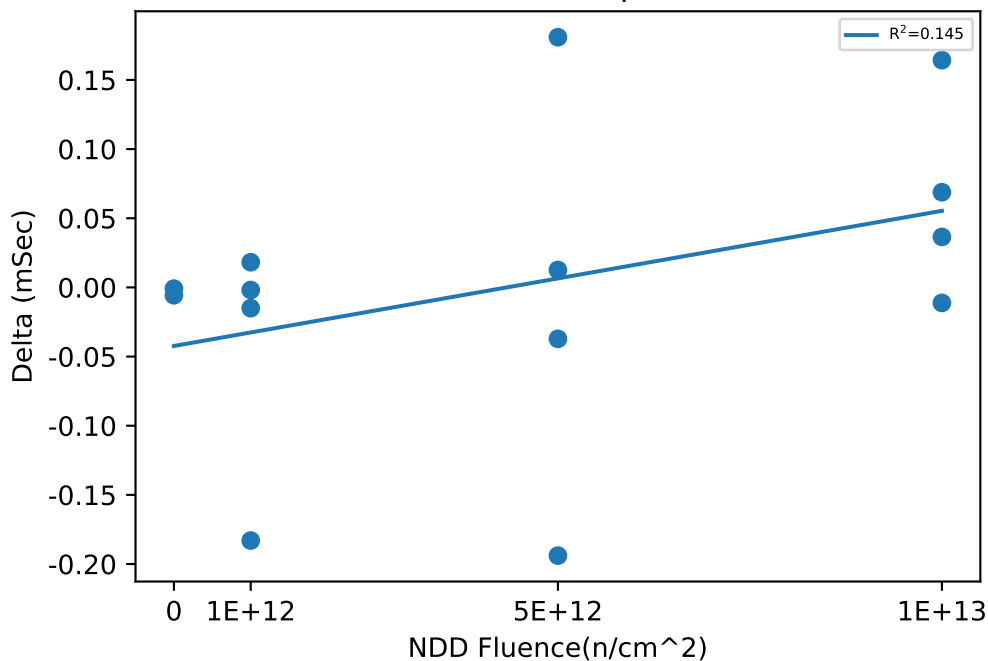
NDD vs Result Stats



Test Results (Lower Limit = 10.77, Upper Limit = 14.14 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.396	12.414	0.0182
2	1e+12	NDD Unbiased	12.433	12.418	-0.015
3	1e+12	NDD Unbiased	12.549	12.366	-0.183
4	1e+12	NDD Unbiased	12.136	12.134	-0.0019
5	5e+12	NDD Unbiased	12.387	12.568	0.1809
6	5e+12	NDD Unbiased	12.265	12.278	0.0126
7	5e+12	NDD Unbiased	12.609	12.415	-0.1939
8	5e+12	NDD Unbiased	12.504	12.466	-0.0372
9	1e+13	NDD Unbiased	12.125	12.194	0.0688
10	1e+13	NDD Unbiased	12.5	12.665	0.1643
11	1e+13	NDD Unbiased	12.198	12.187	-0.0112
12	1e+13	NDD Unbiased	12.242	12.278	0.0365
53	0	Correlation	12.185	12.184	-0.0009
54	0	Correlation	12.52	12.514	-0.0057

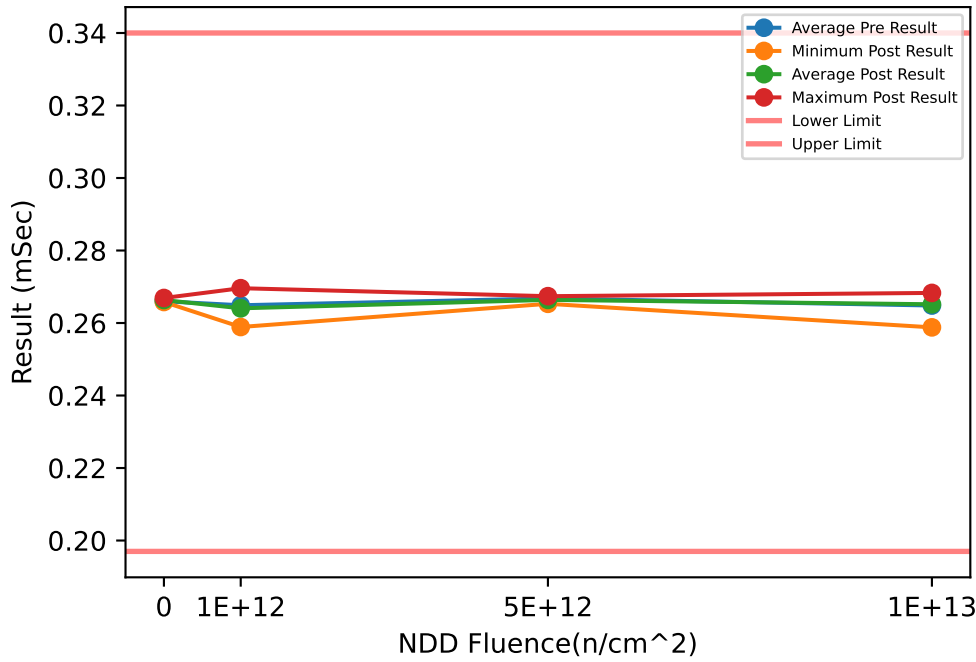
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.185	12.353	12.52	0.23695	12.184	12.349	12.514	0.23356	-0.0057	-0.0033	-0.0009	0.0033941
1e+12	12.136	12.379	12.549	0.17409	12.134	12.333	12.418	0.13455	-0.183	-0.045425	0.0182	0.092727
5e+12	12.265	12.441	12.609	0.14822	12.278	12.432	12.568	0.12053	-0.1939	-0.0094	0.1809	0.15439
1e+13	12.125	12.266	12.5	0.16313	12.187	12.331	12.665	0.22617	-0.0112	0.0646	0.1643	0.074146

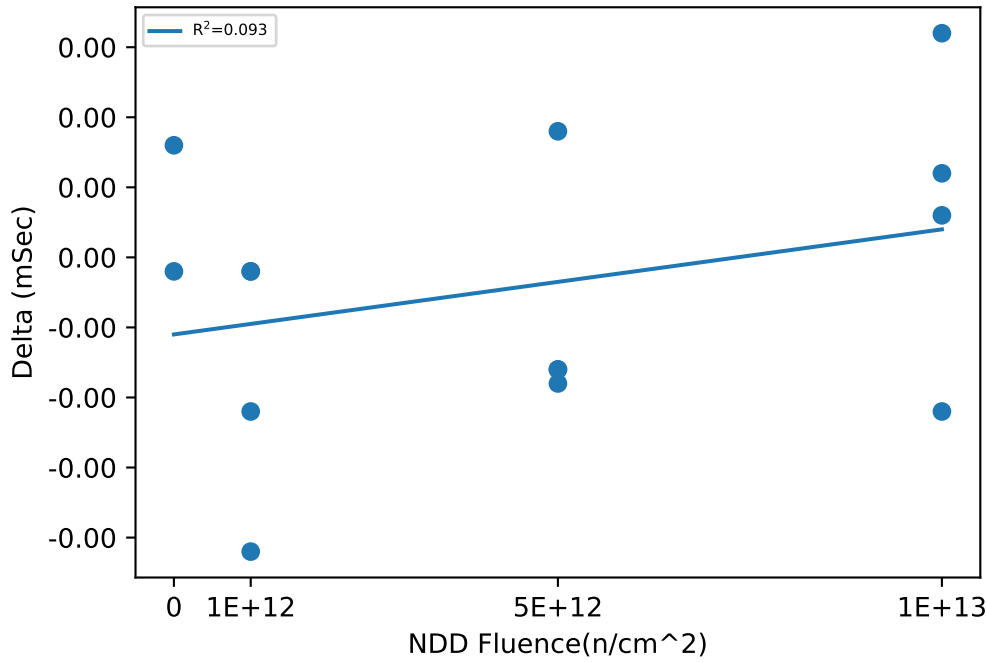
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2636	0.2615	-0.0021
2	1e+12	NDD Unbiased	0.2663	0.2662	-0.0001
3	1e+12	NDD Unbiased	0.2697	0.2696	-0.0001
4	1e+12	NDD Unbiased	0.26	0.2589	-0.0011
5	5e+12	NDD Unbiased	0.2644	0.2653	0.0009
6	5e+12	NDD Unbiased	0.2682	0.2674	-0.0008
7	5e+12	NDD Unbiased	0.2668	0.2659	-0.0009
8	5e+12	NDD Unbiased	0.2677	0.2669	-0.0008
9	1e+13	NDD Unbiased	0.268	0.2683	0.0003
10	1e+13	NDD Unbiased	0.2599	0.2588	-0.0011
11	1e+13	NDD Unbiased	0.2644	0.266	0.0016
12	1e+13	NDD Unbiased	0.267	0.2676	0.0006
53	0	Correlation	0.2661	0.2669	0.0008
54	0	Correlation	0.2659	0.2658	-0.0001

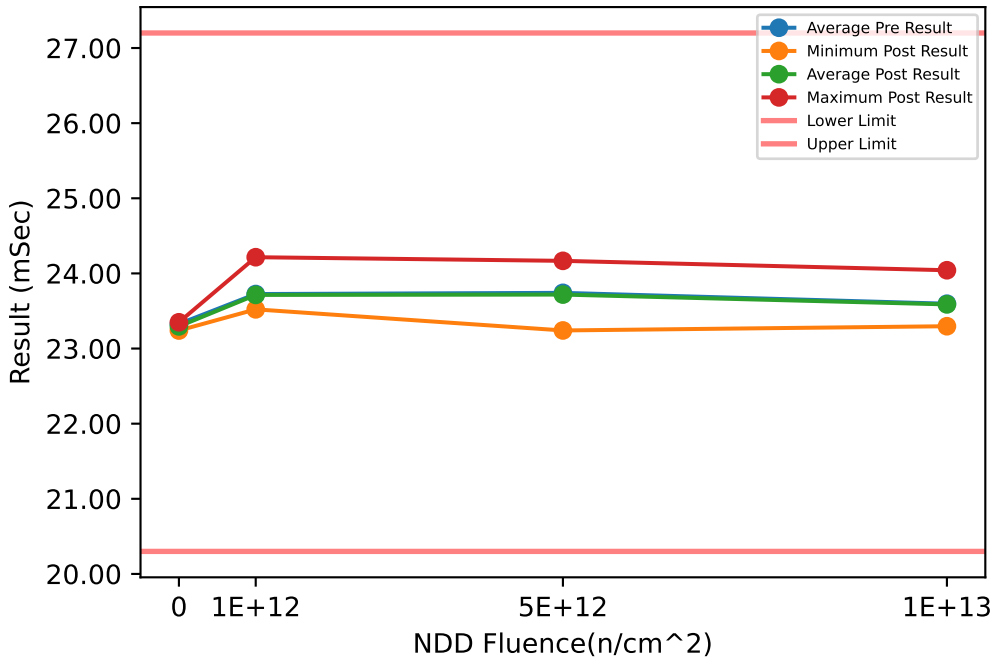
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2659	0.266	0.2661	0.00014142	0.2658	0.26635	0.2669	0.00077782	-0.0001	0.00035	0.0008	0.0006364
1e+12	0.26	0.2649	0.2697	0.004111	0.2589	0.26405	0.2696	0.0047767	-0.0021	-0.00085	-0.0001	0.00095743
5e+12	0.2644	0.26677	0.2682	0.001686	0.2653	0.26638	0.2674	0.00095	-0.0009	-0.0004	0.0009	0.00086795
1e+13	0.2599	0.26483	0.268	0.003617	0.2588	0.26517	0.2683	0.0043577	-0.0011	0.00035	0.0016	0.001115

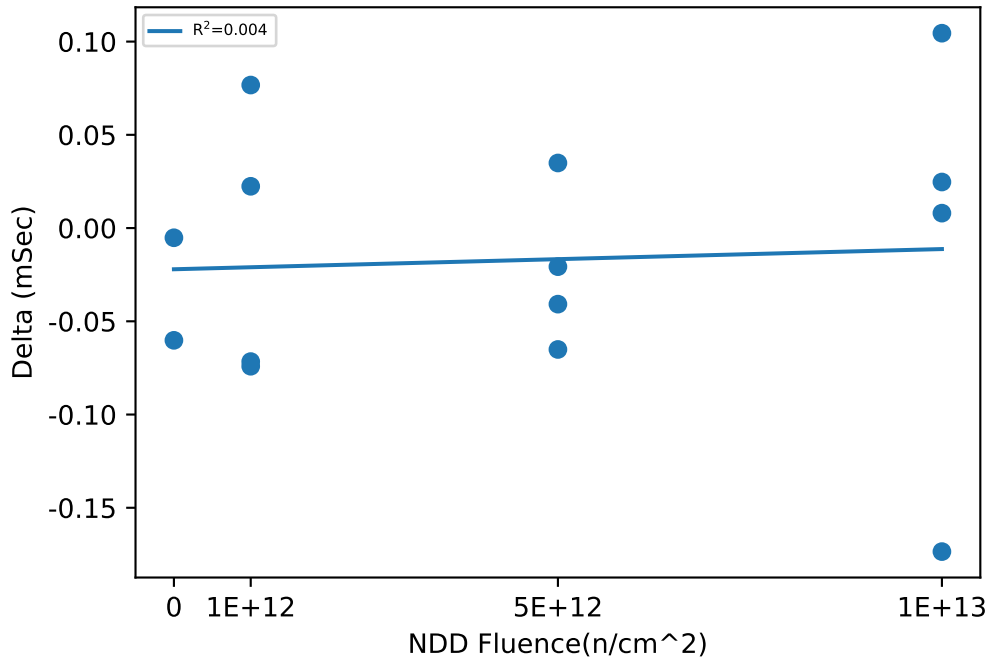
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.551	23.574	0.0224
2	1e+12	NDD Unbiased	24.139	24.216	0.0767
3	1e+12	NDD Unbiased	23.618	23.544	-0.0741
4	1e+12	NDD Unbiased	23.593	23.522	-0.0716
5	5e+12	NDD Unbiased	23.206	23.241	0.0349
6	5e+12	NDD Unbiased	24.208	24.167	-0.0408
7	5e+12	NDD Unbiased	23.684	23.663	-0.0207
8	5e+12	NDD Unbiased	23.867	23.802	-0.0651
9	1e+13	NDD Unbiased	23.755	23.581	-0.1735
10	1e+13	NDD Unbiased	23.326	23.43	0.1045
11	1e+13	NDD Unbiased	23.289	23.297	0.008
12	1e+13	NDD Unbiased	24.017	24.042	0.0247
53	0	Correlation	23.355	23.349	-0.0052
54	0	Correlation	23.3	23.24	-0.0602

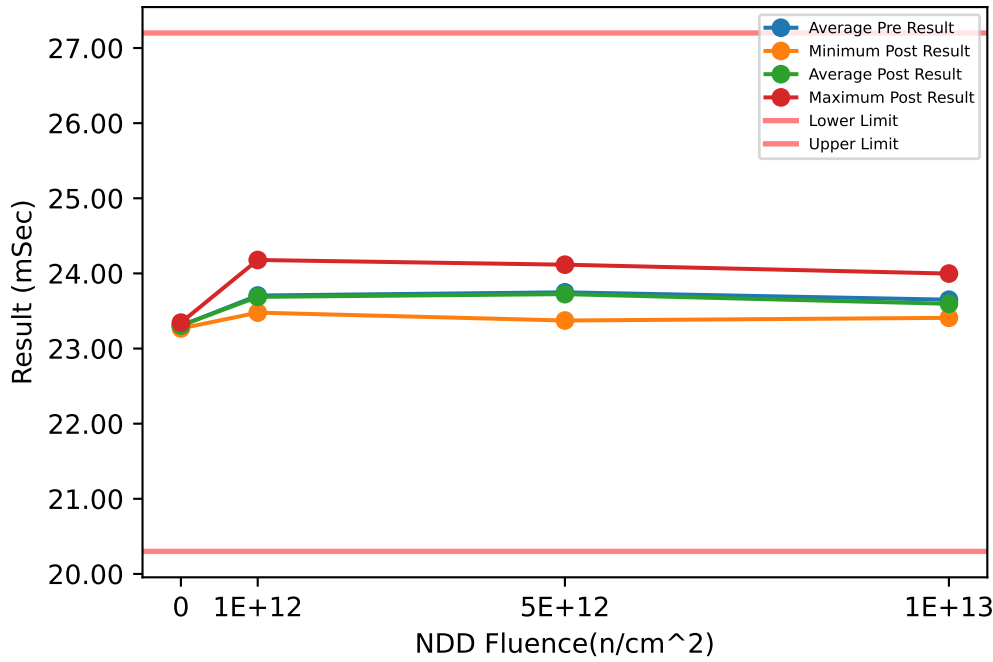
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.3	23.327	23.355	0.038608	23.24	23.295	23.349	0.077499	-0.0602	-0.0327	-0.0052	0.038891
1e+12	23.551	23.725	24.139	0.27708	23.522	23.714	24.216	0.3353	-0.0741	-0.01165	0.0767	0.07407
5e+12	23.206	23.741	24.208	0.41784	23.241	23.718	24.167	0.38285	-0.0651	-0.022925	0.0349	0.04261
1e+13	23.289	23.597	24.017	0.35116	23.297	23.588	24.042	0.32447	-0.1735	-0.009075	0.1045	0.11743

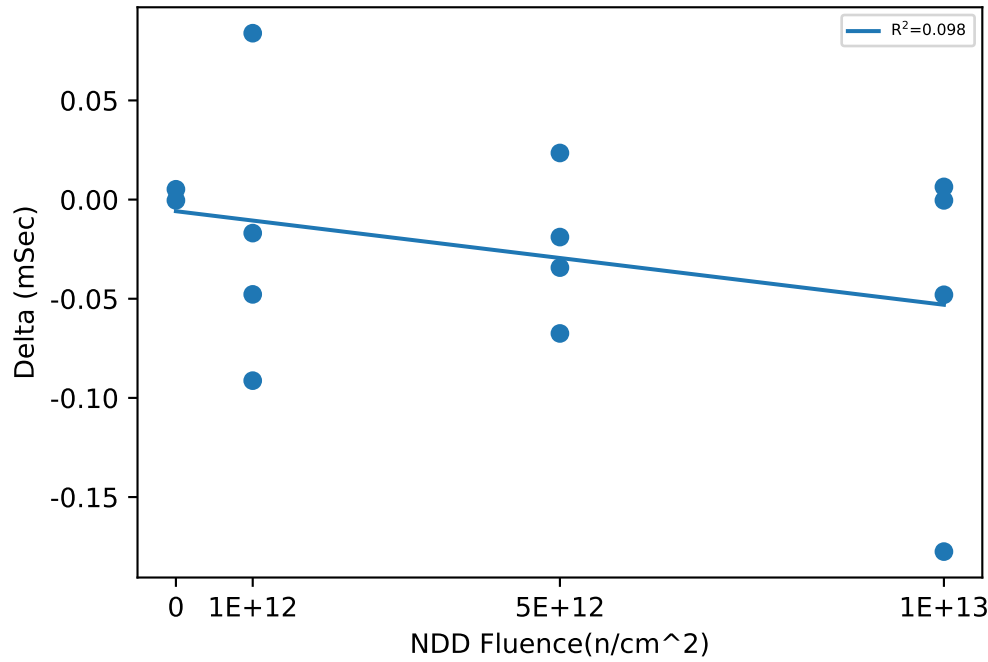
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.565	23.548	-0.0169
2	1e+12	NDD Unbiased	24.095	24.179	0.0839
3	1e+12	NDD Unbiased	23.594	23.546	-0.0478
4	1e+12	NDD Unbiased	23.57	23.478	-0.0913
5	5e+12	NDD Unbiased	23.35	23.373	0.0235
6	5e+12	NDD Unbiased	24.151	24.116	-0.0343
7	5e+12	NDD Unbiased	23.655	23.637	-0.0189
8	5e+12	NDD Unbiased	23.839	23.771	-0.0675
9	1e+13	NDD Unbiased	23.735	23.558	-0.1775
10	1e+13	NDD Unbiased	23.457	23.409	-0.048
11	1e+13	NDD Unbiased	23.411	23.418	0.0064
12	1e+13	NDD Unbiased	23.998	23.998	-0.0004
53	0	Correlation	23.346	23.345	-0.0004
54	0	Correlation	23.262	23.268	0.0052

NDD vs Post - Pre Exposure Delta

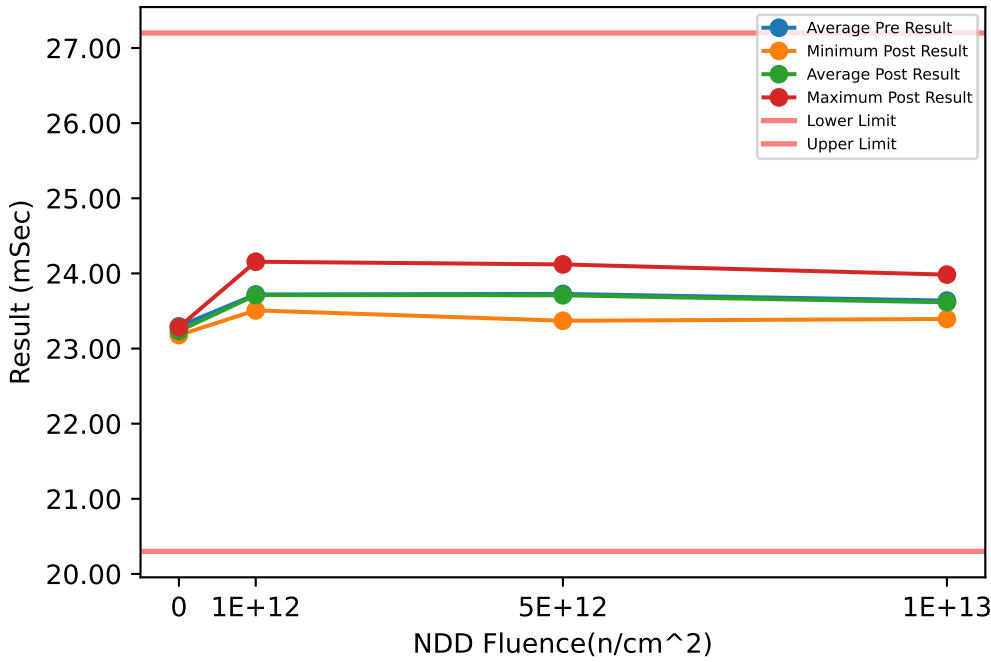


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.262	23.304	23.346	0.05869	23.268	23.306	23.345	0.05473	-0.0004	0.0024	0.0052	0.0039598
1e+12	23.565	23.706	24.095	0.25971	23.478	23.688	24.179	0.32895	-0.0913	-0.018025	0.0839	0.074489
5e+12	23.35	23.749	24.151	0.33542	23.373	23.724	24.116	0.30921	-0.0675	-0.0243	0.0235	0.037772
1e+13	23.411	23.65	23.998	0.27262	23.409	23.595	23.998	0.27679	-0.1775	-0.054875	0.0064	0.085257

Device Test: 18.12 REG_TIME_1MOHM(_DELAY|TIMING/SENSE4/1.6/3/0/1.18M/0/@REG_TIME_1MOHM)

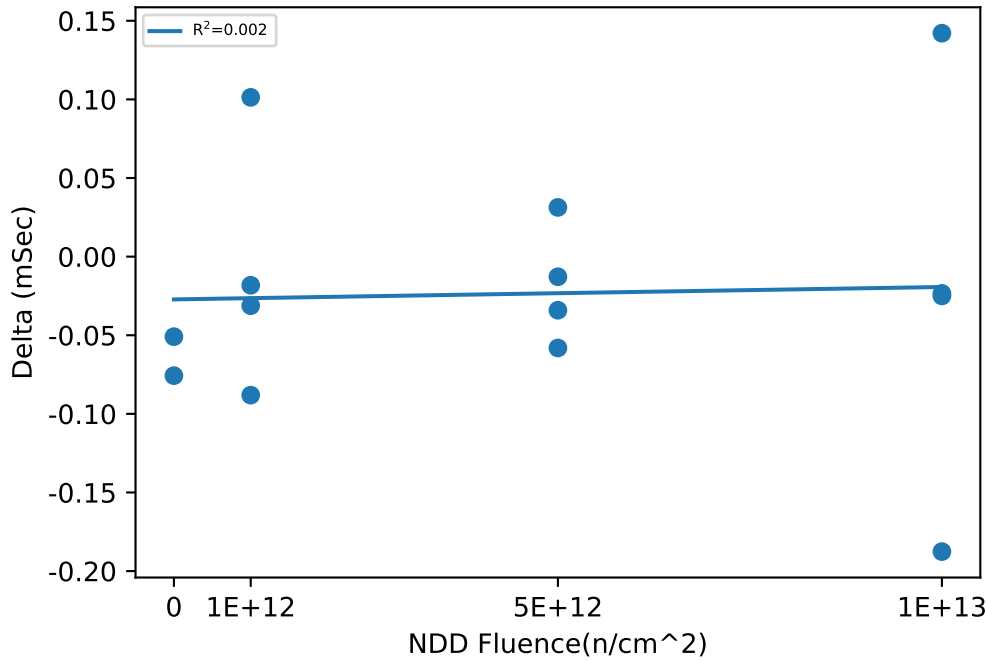
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.54	23.508	-0.0312
2	1e+12	NDD Unbiased	24.244	24.156	-0.0881
3	1e+12	NDD Unbiased	23.554	23.536	-0.0182
4	1e+12	NDD Unbiased	23.543	23.645	0.1013
5	5e+12	NDD Unbiased	23.339	23.37	0.0313
6	5e+12	NDD Unbiased	24.154	24.12	-0.0341
7	5e+12	NDD Unbiased	23.623	23.611	-0.0128
8	5e+12	NDD Unbiased	23.793	23.735	-0.0581
9	1e+13	NDD Unbiased	23.717	23.53	-0.1876
10	1e+13	NDD Unbiased	23.411	23.553	0.1421
11	1e+13	NDD Unbiased	23.418	23.393	-0.025
12	1e+13	NDD Unbiased	24.007	23.984	-0.0234
53	0	Correlation	23.337	23.286	-0.0509
54	0	Correlation	23.255	23.179	-0.0757

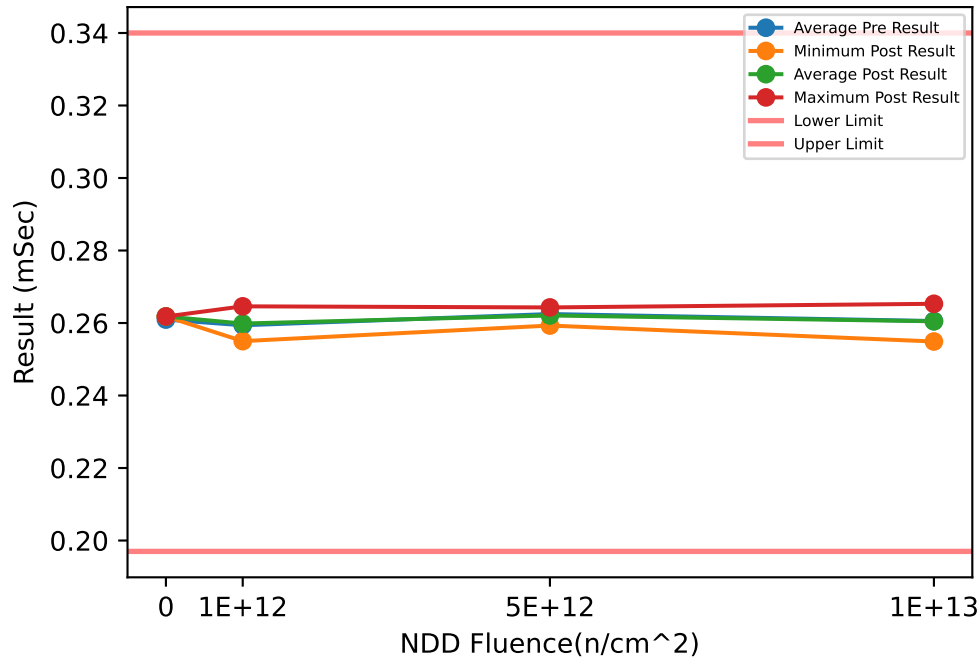
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.255	23.296	23.337	0.057912	23.179	23.232	23.286	0.075448	-0.0757	-0.0633	-0.0509	0.017536
1e+12	23.54	23.72	24.244	0.34912	23.508	23.711	24.156	0.30217	-0.0881	-0.00905	0.1013	0.079583
5e+12	23.339	23.727	24.154	0.34057	23.37	23.709	24.12	0.31298	-0.0581	-0.018425	0.0313	0.037965
1e+13	23.411	23.638	24.007	0.28432	23.393	23.615	23.984	0.25586	-0.1876	-0.023475	0.1421	0.1346

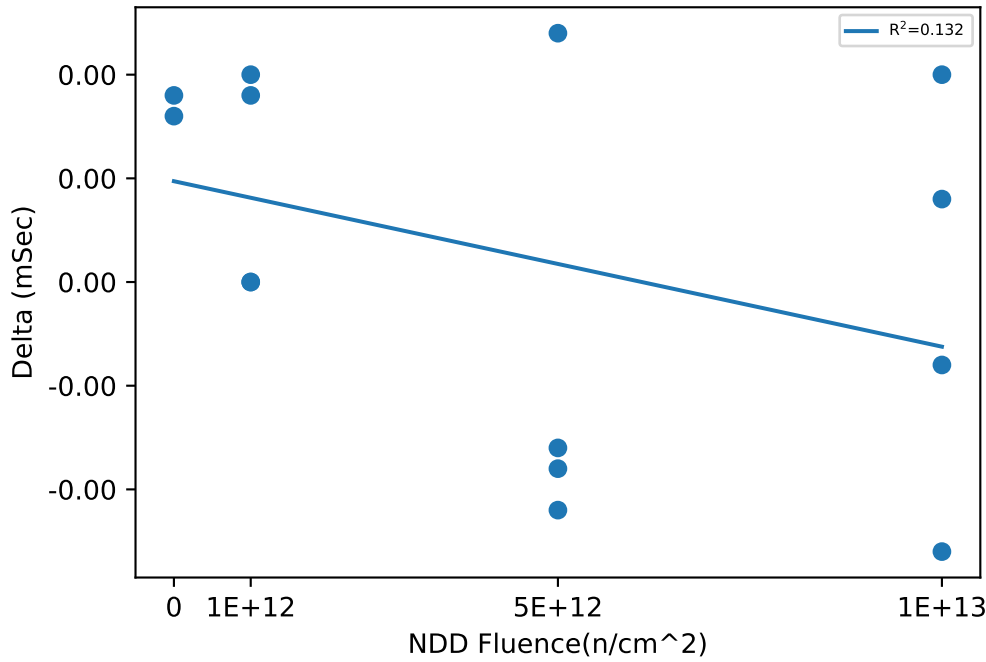
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2566	0.2566	0
2	1e+12	NDD Unbiased	0.2622	0.2632	0.001
3	1e+12	NDD Unbiased	0.2646	0.2646	0
4	1e+12	NDD Unbiased	0.2541	0.255	0.0009
5	5e+12	NDD Unbiased	0.2604	0.2593	-0.0011
6	5e+12	NDD Unbiased	0.2651	0.2643	-0.0008
7	5e+12	NDD Unbiased	0.2618	0.2609	-0.0009
8	5e+12	NDD Unbiased	0.2626	0.2638	0.0012
9	1e+13	NDD Unbiased	0.2649	0.2653	0.0004
10	1e+13	NDD Unbiased	0.2539	0.2549	0.001
11	1e+13	NDD Unbiased	0.2604	0.26	-0.0004
12	1e+13	NDD Unbiased	0.263	0.2617	-0.0013
53	0	Correlation	0.261	0.2618	0.0008
54	0	Correlation	0.2609	0.2618	0.0009

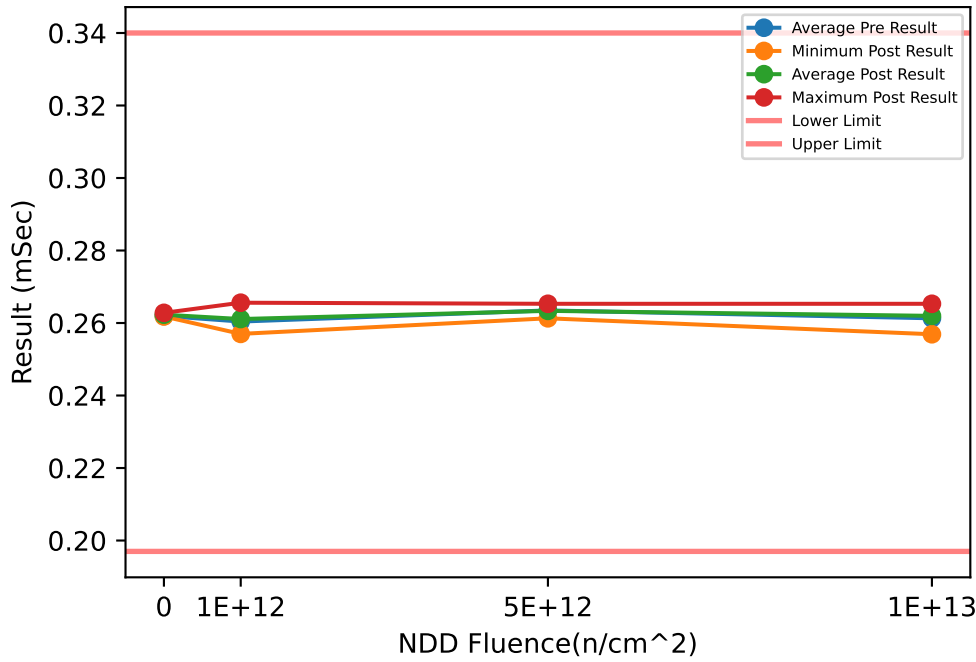
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2609	0.26095	0.261	7.0711e-05	0.2618	0.2618	0.2618	0	0.0008	0.00085	0.0009	7.0711e-05
1e+12	0.2541	0.25938	0.2646	0.0048582	0.255	0.25985	0.2646	0.0047564	0	0.000475	0.001	0.00055
5e+12	0.2604	0.26248	0.2651	0.0019721	0.2593	0.26208	0.2643	0.002381	-0.0011	-0.0004	0.0012	0.0010739
1e+13	0.2539	0.26055	0.2649	0.0048017	0.2549	0.26048	0.2653	0.0043239	-0.0013	-7.5e-05	0.001	0.00099791

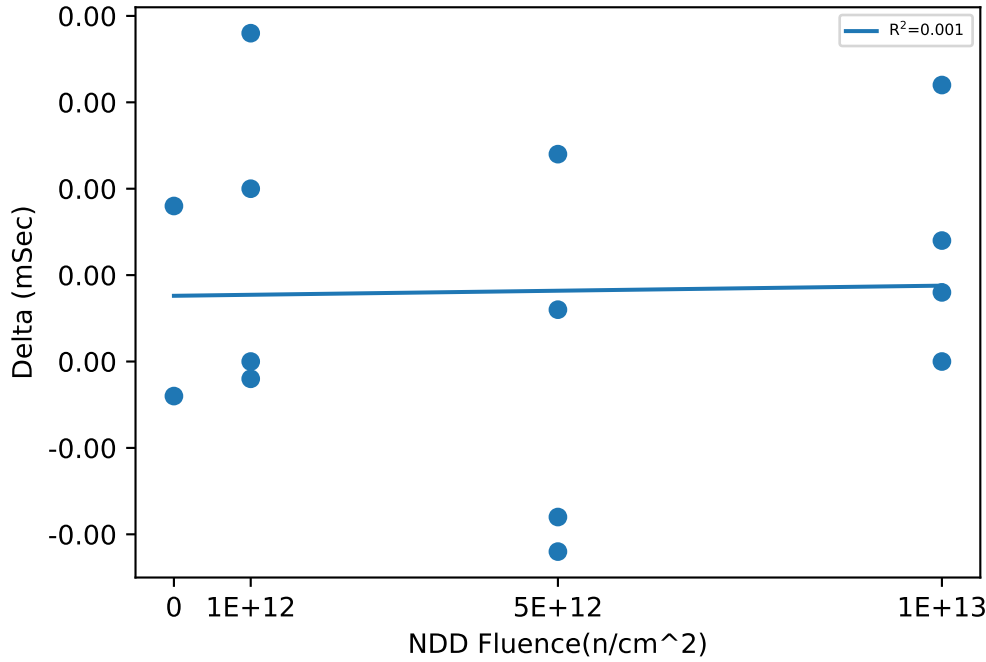
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2576	0.2586	0.001
2	1e+12	NDD Unbiased	0.2633	0.2632	-0.0001
3	1e+12	NDD Unbiased	0.2656	0.2656	0
4	1e+12	NDD Unbiased	0.2551	0.257	0.0019
5	5e+12	NDD Unbiased	0.2624	0.2613	-0.0011
6	5e+12	NDD Unbiased	0.265	0.2653	0.0003
7	5e+12	NDD Unbiased	0.2618	0.263	0.0012
8	5e+12	NDD Unbiased	0.2647	0.2638	-0.0009
9	1e+13	NDD Unbiased	0.2649	0.2653	0.0004
10	1e+13	NDD Unbiased	0.2569	0.2569	0
11	1e+13	NDD Unbiased	0.2604	0.262	0.0016
12	1e+13	NDD Unbiased	0.263	0.2637	0.0007
53	0	Correlation	0.262	0.2618	-0.0002
54	0	Correlation	0.2619	0.2628	0.0009

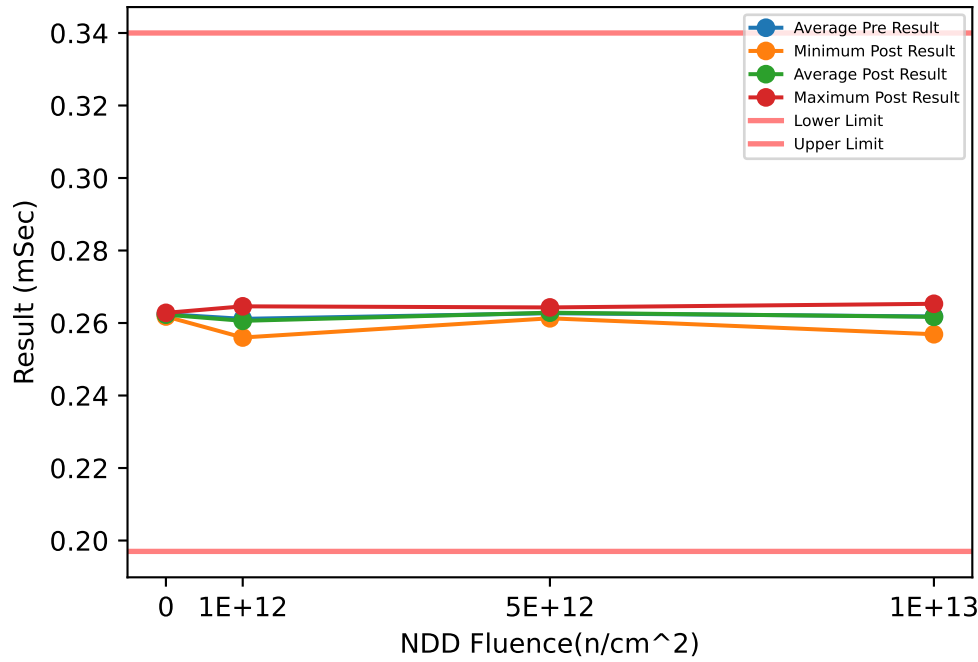
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2619	0.26195	0.262	7.0711e-05	0.2618	0.2623	0.2628	0.00070711	-0.0002	0.00035	0.0009	0.00077782
1e+12	0.2551	0.2604	0.2656	0.0048778	0.257	0.2611	0.2656	0.0039883	-0.0001	0.0007	0.0019	0.00094163
5e+12	0.2618	0.26348	0.265	0.0016112	0.2613	0.26335	0.2653	0.0016663	-0.0011	-0.000125	0.0012	0.0010782
1e+13	0.2569	0.2613	0.2649	0.0034651	0.2569	0.26198	0.2653	0.0036418	0	0.000675	0.0016	0.00068007

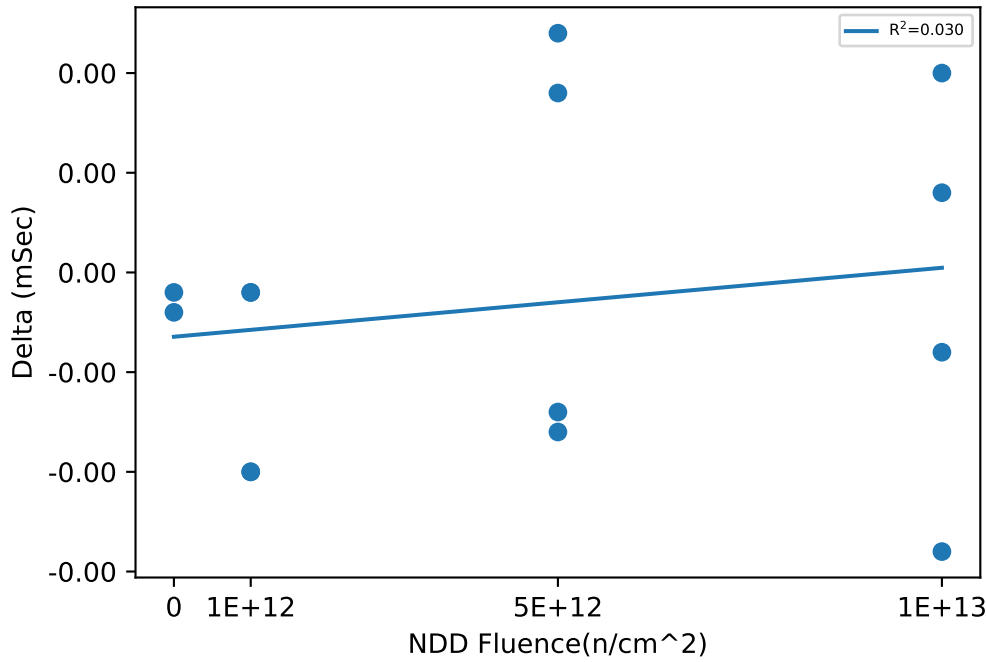
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2586	0.2576	-0.001
2	1e+12	NDD Unbiased	0.2643	0.2642	-0.0001
3	1e+12	NDD Unbiased	0.2656	0.2646	-0.001
4	1e+12	NDD Unbiased	0.2561	0.256	-0.0001
5	5e+12	NDD Unbiased	0.2604	0.2613	0.0009
6	5e+12	NDD Unbiased	0.265	0.2643	-0.0007
7	5e+12	NDD Unbiased	0.2618	0.263	0.0012
8	5e+12	NDD Unbiased	0.2636	0.2628	-0.0008
9	1e+13	NDD Unbiased	0.2649	0.2653	0.0004
10	1e+13	NDD Unbiased	0.2559	0.2569	0.001
11	1e+13	NDD Unbiased	0.2624	0.261	-0.0014
12	1e+13	NDD Unbiased	0.264	0.2636	-0.0004
53	0	Correlation	0.263	0.2628	-0.0002
54	0	Correlation	0.2619	0.2618	-0.0001

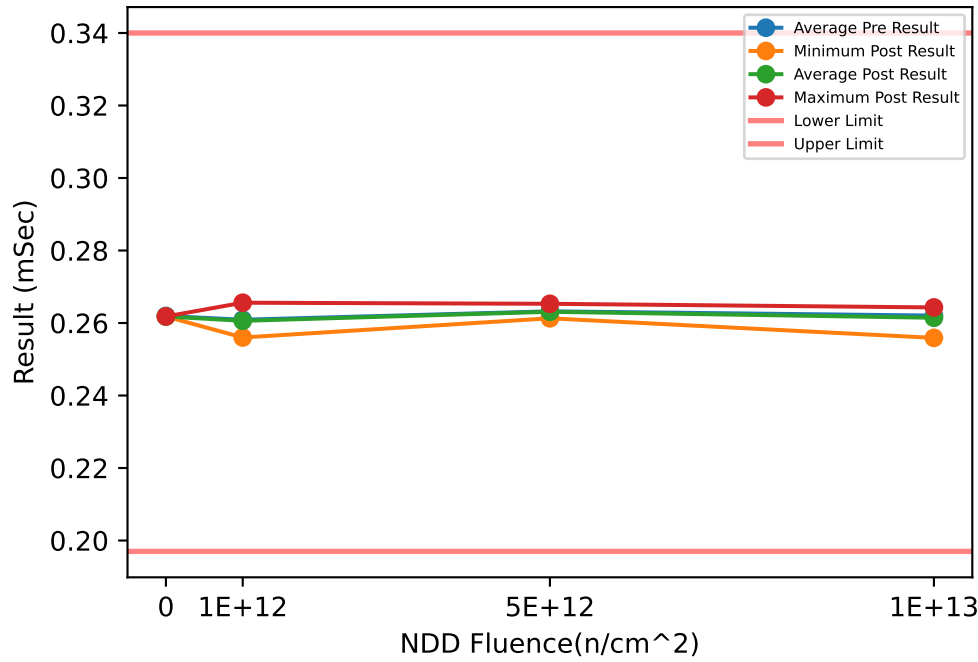
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2619	0.26245	0.263	0.00077782	0.2618	0.2623	0.2628	0.00070711	-0.0002	-0.00015	-0.0001	7.0711e-05
1e+12	0.2561	0.26115	0.2656	0.0045362	0.256	0.2606	0.2646	0.0044392	-0.001	-0.00055	-0.0001	0.00051962
5e+12	0.2604	0.2627	0.265	0.0020166	0.2613	0.26285	0.2643	0.0012288	-0.0008	0.00015	0.0012	0.0010472
1e+13	0.2559	0.2618	0.2649	0.0040669	0.2569	0.2617	0.2653	0.003656	-0.0014	-0.0001	0.001	0.0010392

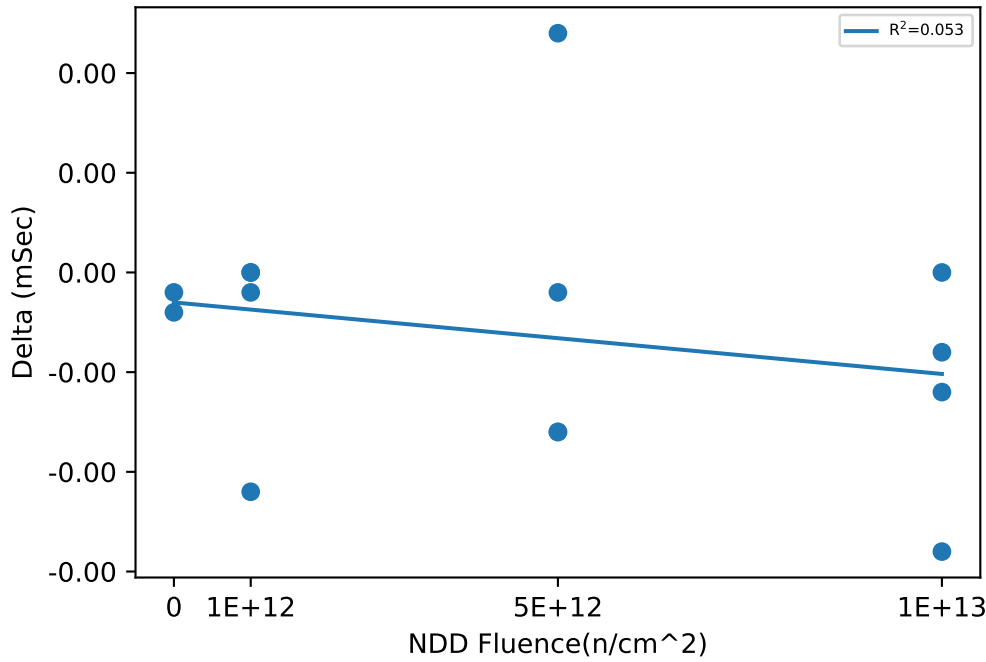
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2576	0.2576	0
2	1e+12	NDD Unbiased	0.2643	0.2632	-0.0011
3	1e+12	NDD Unbiased	0.2656	0.2656	0
4	1e+12	NDD Unbiased	0.2561	0.256	-0.0001
5	5e+12	NDD Unbiased	0.2614	0.2613	-0.0001
6	5e+12	NDD Unbiased	0.2661	0.2653	-0.0008
7	5e+12	NDD Unbiased	0.2618	0.263	0.0012
8	5e+12	NDD Unbiased	0.2636	0.2628	-0.0008
9	1e+13	NDD Unbiased	0.2649	0.2643	-0.0006
10	1e+13	NDD Unbiased	0.2559	0.2559	0
11	1e+13	NDD Unbiased	0.2624	0.262	-0.0004
12	1e+13	NDD Unbiased	0.265	0.2636	-0.0014
53	0	Correlation	0.262	0.2618	-0.0002
54	0	Correlation	0.2619	0.2618	-0.0001

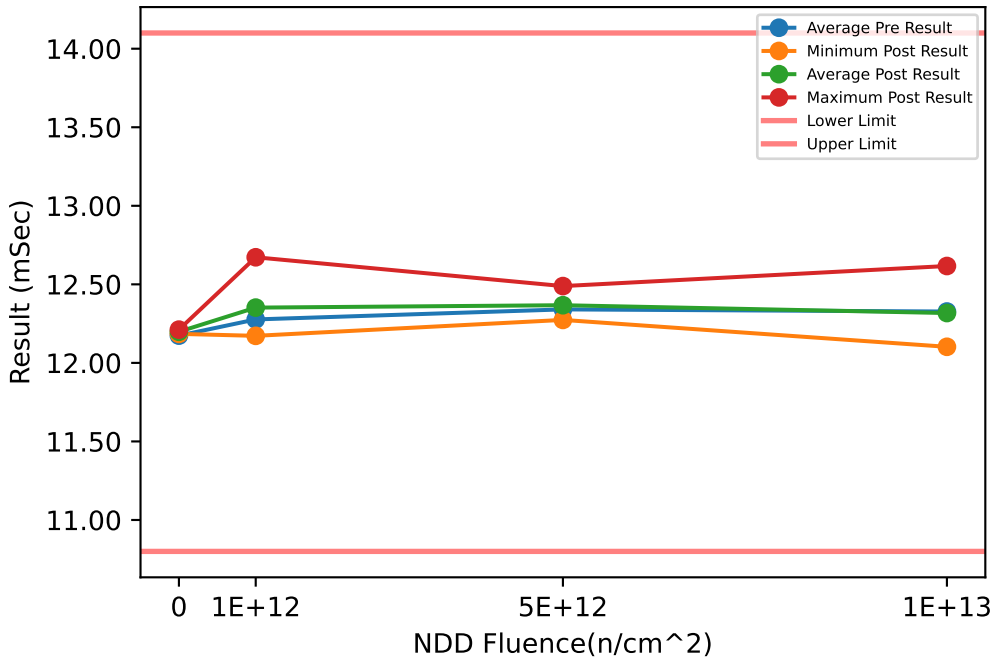
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2619	0.26195	0.262	7.0711e-05	0.2618	0.2618	0.2618	0	-0.0002	-0.00015	-0.0001	7.0711e-05
1e+12	0.2561	0.2609	0.2656	0.0047462	0.256	0.2606	0.2656	0.0045431	-0.0011	-0.0003	0	0.00053541
5e+12	0.2614	0.26322	0.2661	0.0021422	0.2613	0.2631	0.2653	0.0016513	-0.0008	-0.000125	0.0012	0.00094296
1e+13	0.2559	0.26205	0.265	0.0042728	0.2559	0.26145	0.2643	0.0038232	-0.0014	-0.0006	0	0.00058878

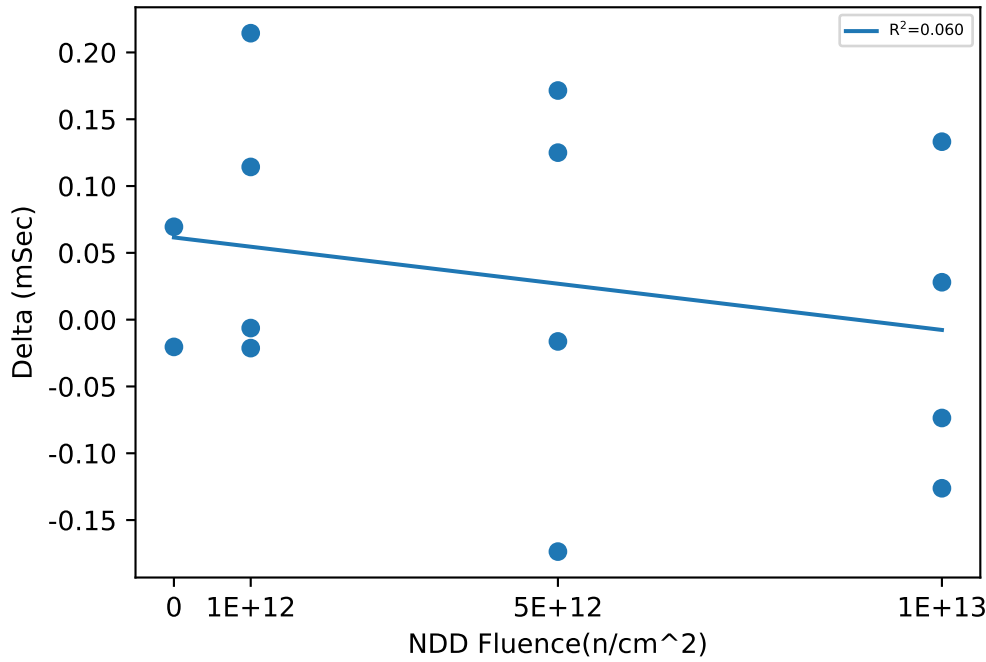
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.199	12.313	0.1143
2	1e+12	NDD Unbiased	12.458	12.672	0.2144
3	1e+12	NDD Unbiased	12.271	12.25	-0.0213
4	1e+12	NDD Unbiased	12.178	12.172	-0.0063
5	5e+12	NDD Unbiased	12.102	12.274	0.1715
6	5e+12	NDD Unbiased	12.662	12.489	-0.1736
7	5e+12	NDD Unbiased	12.263	12.388	0.125
8	5e+12	NDD Unbiased	12.334	12.318	-0.0163
9	1e+13	NDD Unbiased	12.334	12.26	-0.0736
10	1e+13	NDD Unbiased	12.229	12.102	-0.1262
11	1e+13	NDD Unbiased	12.262	12.29	0.028
12	1e+13	NDD Unbiased	12.483	12.617	0.1332
53	0	Correlation	12.115	12.185	0.0695
54	0	Correlation	12.232	12.212	-0.0204

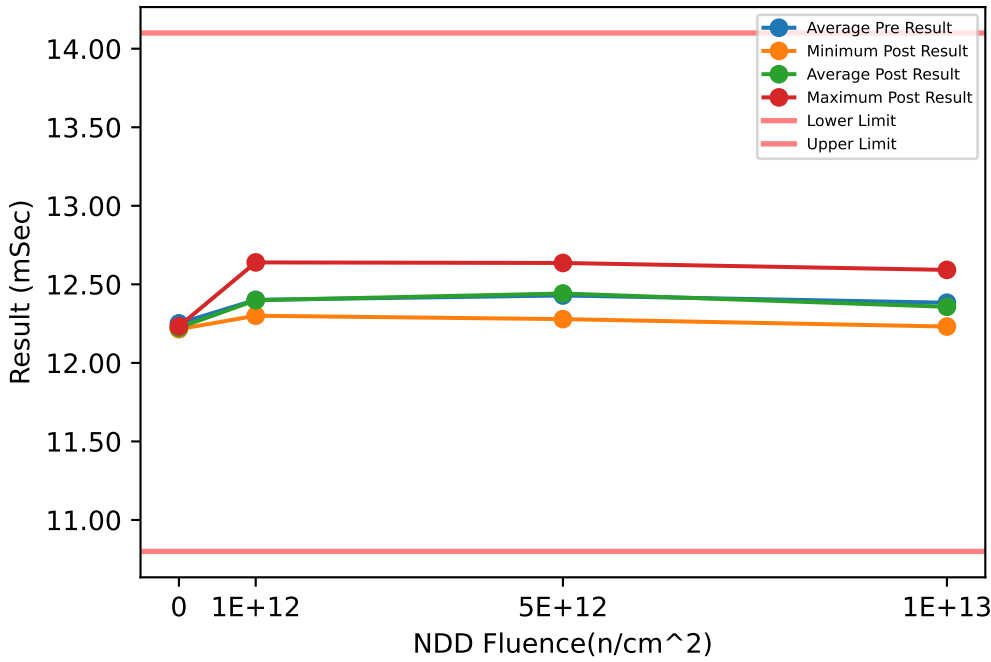
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.115	12.174	12.232	0.082661	12.185	12.198	12.212	0.019092	-0.0204	0.02455	0.0695	0.063569
1e+12	12.178	12.277	12.458	0.12719	12.172	12.352	12.672	0.22128	-0.0213	0.075275	0.2144	0.11085
5e+12	12.102	12.34	12.662	0.23561	12.274	12.367	12.489	0.093885	-0.1736	0.02665	0.1715	0.15556
1e+13	12.229	12.327	12.483	0.11319	12.102	12.317	12.617	0.21589	-0.1262	-0.00965	0.1332	0.11474

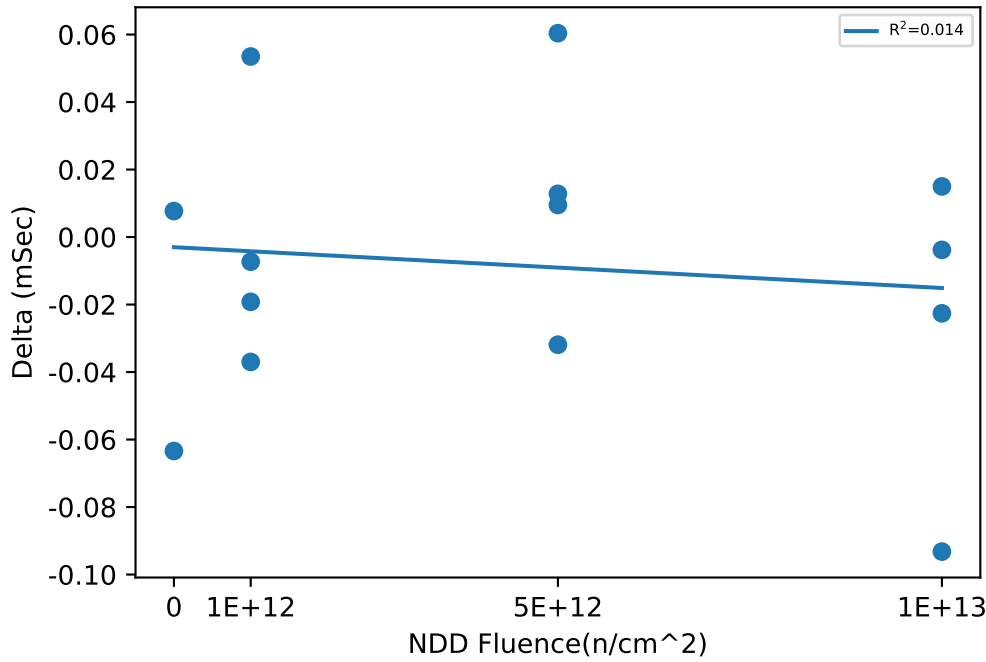
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.316	12.309	-0.0073
2	1e+12	NDD Unbiased	12.586	12.64	0.0535
3	1e+12	NDD Unbiased	12.383	12.346	-0.037
4	1e+12	NDD Unbiased	12.319	12.3	-0.0192
5	5e+12	NDD Unbiased	12.266	12.279	0.0128
6	5e+12	NDD Unbiased	12.627	12.636	0.0095
7	5e+12	NDD Unbiased	12.346	12.407	0.0604
8	5e+12	NDD Unbiased	12.478	12.446	-0.0319
9	1e+13	NDD Unbiased	12.466	12.373	-0.0932
10	1e+13	NDD Unbiased	12.236	12.232	-0.0038
11	1e+13	NDD Unbiased	12.254	12.231	-0.0226
12	1e+13	NDD Unbiased	12.577	12.592	0.015
53	0	Correlation	12.278	12.215	-0.0634
54	0	Correlation	12.225	12.233	0.0077

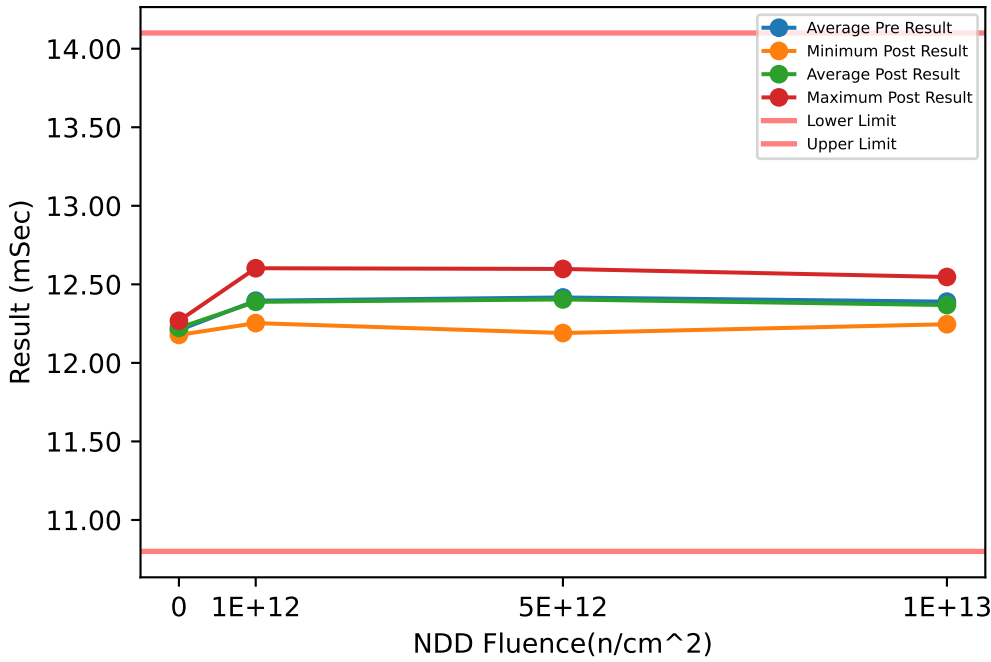
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.225	12.252	12.278	0.037477	12.215	12.224	12.233	0.012799	-0.0634	-0.02785	0.0077	0.050275
1e+12	12.316	12.401	12.586	0.12706	12.3	12.399	12.64	0.16184	-0.037	-0.0025	0.0535	0.039278
5e+12	12.266	12.429	12.627	0.15796	12.279	12.442	12.636	0.14788	-0.0319	0.0127	0.0604	0.037748
1e+13	12.236	12.383	12.577	0.16615	12.231	12.357	12.592	0.17017	-0.0932	-0.02615	0.015	0.047262

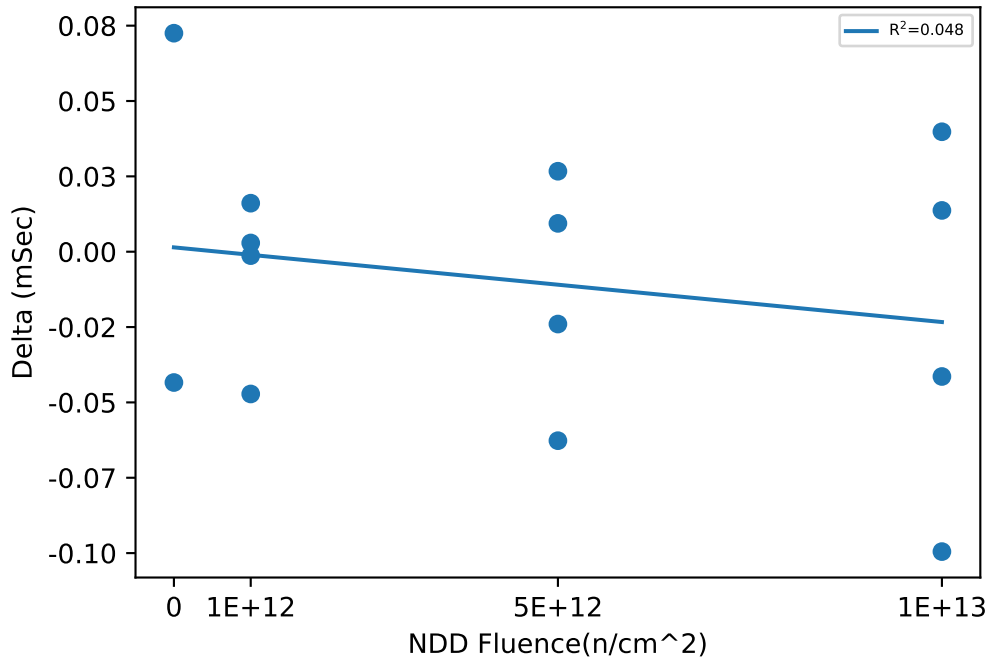
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.259	12.261	0.0029
2	1e+12	NDD Unbiased	12.65	12.602	-0.0472
3	1e+12	NDD Unbiased	12.421	12.437	0.0161
4	1e+12	NDD Unbiased	12.255	12.253	-0.0013
5	5e+12	NDD Unbiased	12.253	12.19	-0.0627
6	5e+12	NDD Unbiased	12.622	12.598	-0.024
7	5e+12	NDD Unbiased	12.376	12.403	0.0267
8	5e+12	NDD Unbiased	12.415	12.424	0.0094
9	1e+13	NDD Unbiased	12.44	12.398	-0.0414
10	1e+13	NDD Unbiased	12.242	12.281	0.0398
11	1e+13	NDD Unbiased	12.232	12.246	0.0137
12	1e+13	NDD Unbiased	12.646	12.547	-0.0995
53	0	Correlation	12.195	12.268	0.0725
54	0	Correlation	12.221	12.178	-0.0434

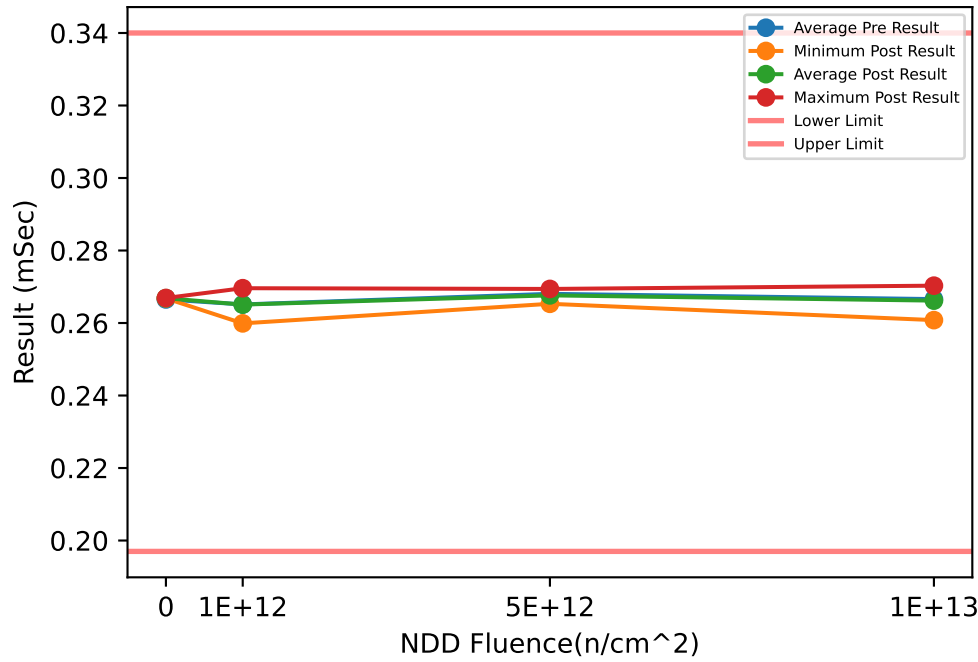
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.195	12.208	12.221	0.018385	12.178	12.223	12.268	0.063569	-0.0434	0.01455	0.0725	0.081954
1e+12	12.255	12.396	12.65	0.1861	12.253	12.389	12.602	0.16594	-0.0472	-0.007375	0.0161	0.027566
5e+12	12.253	12.416	12.622	0.15349	12.19	12.404	12.598	0.16718	-0.0627	-0.01265	0.0267	0.039448
1e+13	12.232	12.39	12.646	0.19582	12.246	12.368	12.547	0.13572	-0.0995	-0.02185	0.0398	0.06185

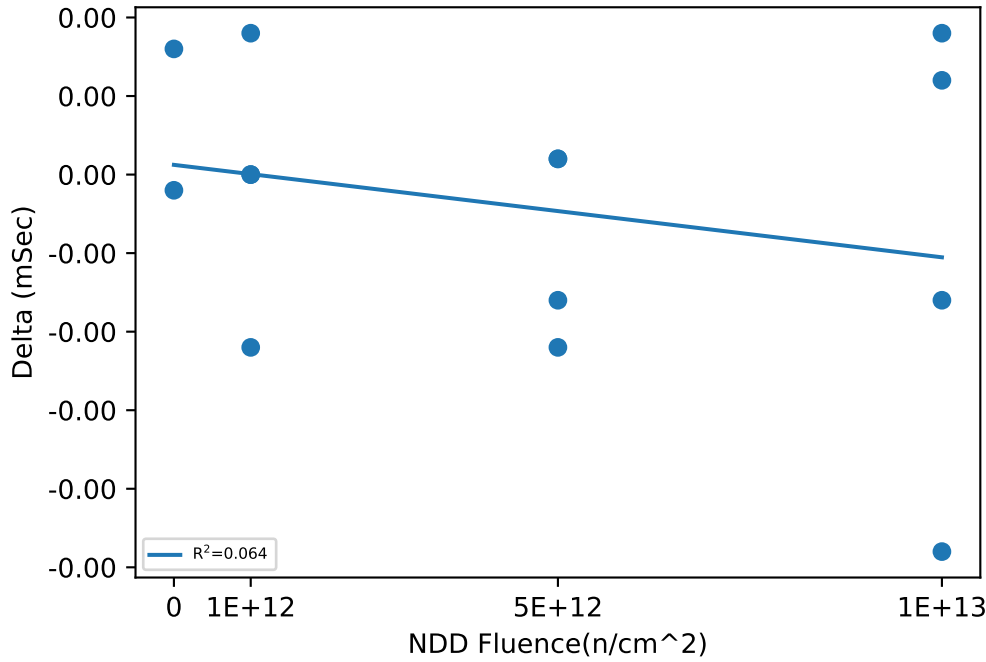
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2615	0.2615	0
2	1e+12	NDD Unbiased	0.2684	0.2693	0.0009
3	1e+12	NDD Unbiased	0.2696	0.2696	0
4	1e+12	NDD Unbiased	0.261	0.2599	-0.0011
5	5e+12	NDD Unbiased	0.2664	0.2653	-0.0011
6	5e+12	NDD Unbiased	0.2702	0.2694	-0.0008
7	5e+12	NDD Unbiased	0.2668	0.2669	0.0001
8	5e+12	NDD Unbiased	0.2688	0.2689	0.0001
9	1e+13	NDD Unbiased	0.2711	0.2703	-0.0008
10	1e+13	NDD Unbiased	0.2599	0.2608	0.0009
11	1e+13	NDD Unbiased	0.2674	0.265	-0.0024
12	1e+13	NDD Unbiased	0.268	0.2686	0.0006
53	0	Correlation	0.2661	0.2669	0.0008
54	0	Correlation	0.2669	0.2668	-0.0001

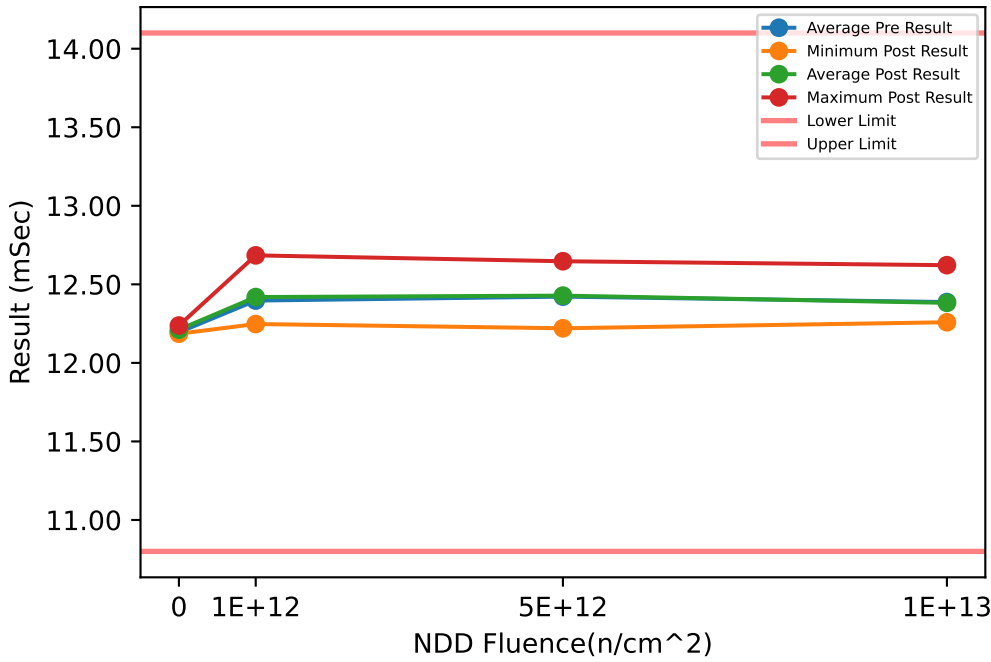
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2661	0.2665	0.2669	0.00056569	0.2668	0.26685	0.2669	7.0711e-05	-0.0001	0.00035	0.0008	0.0006364
1e+12	0.261	0.26512	0.2696	0.0045058	0.2599	0.26508	0.2696	0.0050953	-0.0011	-5e-05	0.0009	0.00081854
5e+12	0.2664	0.26805	0.2702	0.0017767	0.2653	0.26763	0.2694	0.0018892	-0.0011	-0.000425	0.0001	0.00061847
1e+13	0.2599	0.2666	0.2711	0.0047518	0.2608	0.26617	0.2703	0.0042098	-0.0024	-0.000425	0.0009	0.0015108

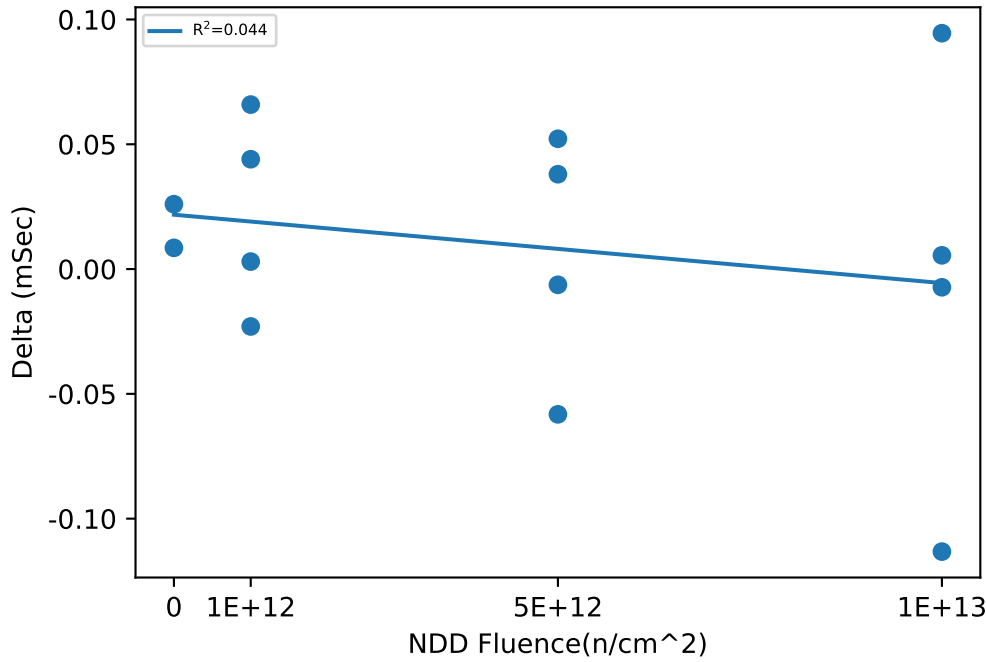
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.268	12.334	0.0659
2	1e+12	NDD Unbiased	12.64	12.684	0.044
3	1e+12	NDD Unbiased	12.408	12.411	0.003
4	1e+12	NDD Unbiased	12.27	12.247	-0.023
5	5e+12	NDD Unbiased	12.227	12.22	-0.0063
6	5e+12	NDD Unbiased	12.595	12.647	0.0522
7	5e+12	NDD Unbiased	12.36	12.398	0.038
8	5e+12	NDD Unbiased	12.506	12.448	-0.0582
9	1e+13	NDD Unbiased	12.489	12.376	-0.1132
10	1e+13	NDD Unbiased	12.178	12.272	0.0945
11	1e+13	NDD Unbiased	12.266	12.259	-0.0073
12	1e+13	NDD Unbiased	12.617	12.622	0.0055
53	0	Correlation	12.229	12.238	0.0085
54	0	Correlation	12.16	12.186	0.026

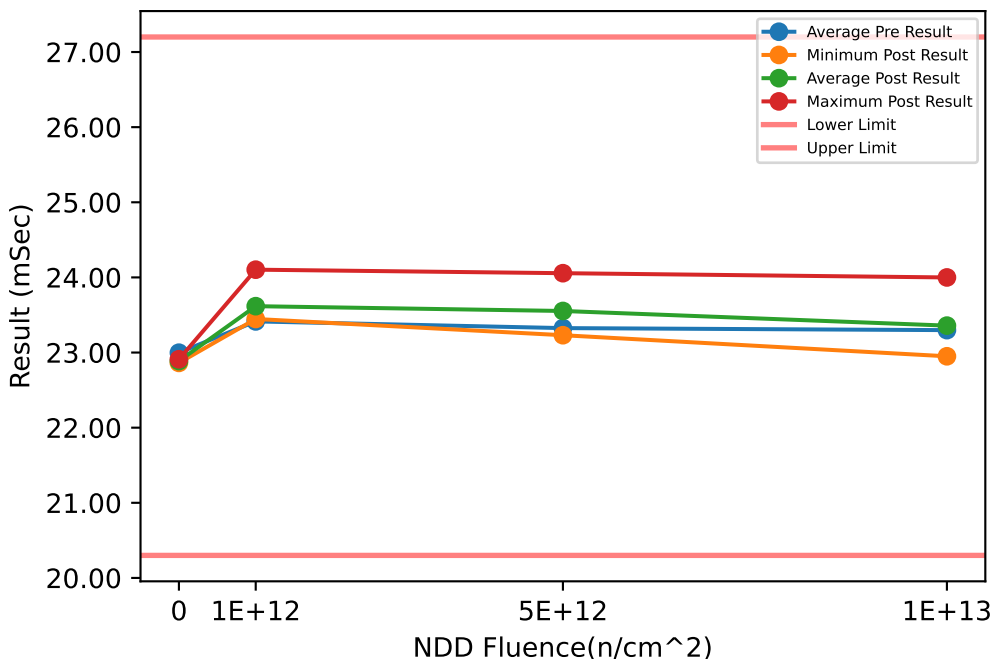
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.16	12.195	12.229	0.049285	12.186	12.212	12.238	0.036911	0.0085	0.01725	0.026	0.012374
1e+12	12.268	12.397	12.64	0.17525	12.247	12.419	12.684	0.18908	-0.023	0.022475	0.0659	0.039985
5e+12	12.227	12.422	12.595	0.1623	12.22	12.428	12.647	0.17552	-0.0582	0.006425	0.0522	0.049768
1e+13	12.178	12.387	12.617	0.20125	12.259	12.382	12.622	0.16823	-0.1132	-0.005125	0.0945	0.085094

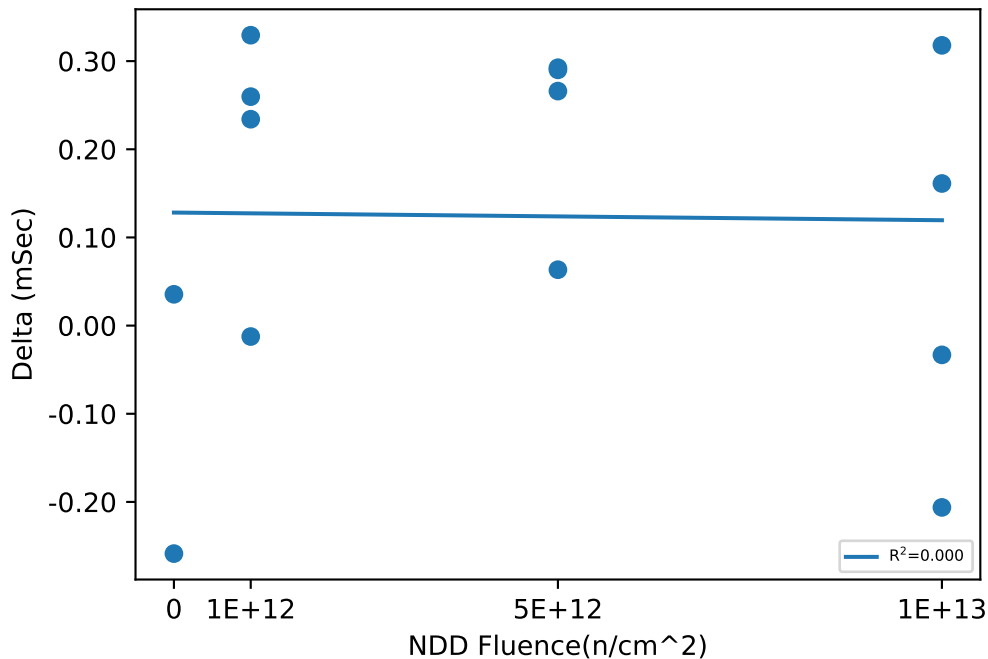
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.472	23.459	-0.0124
2	1e+12	NDD Unbiased	23.774	24.103	0.3294
3	1e+12	NDD Unbiased	23.213	23.447	0.2341
4	1e+12	NDD Unbiased	23.2	23.459	0.2597
5	5e+12	NDD Unbiased	22.938	23.231	0.2925
6	5e+12	NDD Unbiased	23.766	24.056	0.2901
7	5e+12	NDD Unbiased	23.222	23.285	0.0634
8	5e+12	NDD Unbiased	23.375	23.641	0.266
9	1e+13	NDD Unbiased	23.286	23.447	0.1612
10	1e+13	NDD Unbiased	23.242	23.036	-0.2062
11	1e+13	NDD Unbiased	22.983	22.95	-0.0332
12	1e+13	NDD Unbiased	23.682	24	0.3179
53	0	Correlation	22.875	22.91	0.0355
54	0	Correlation	23.121	22.862	-0.2586

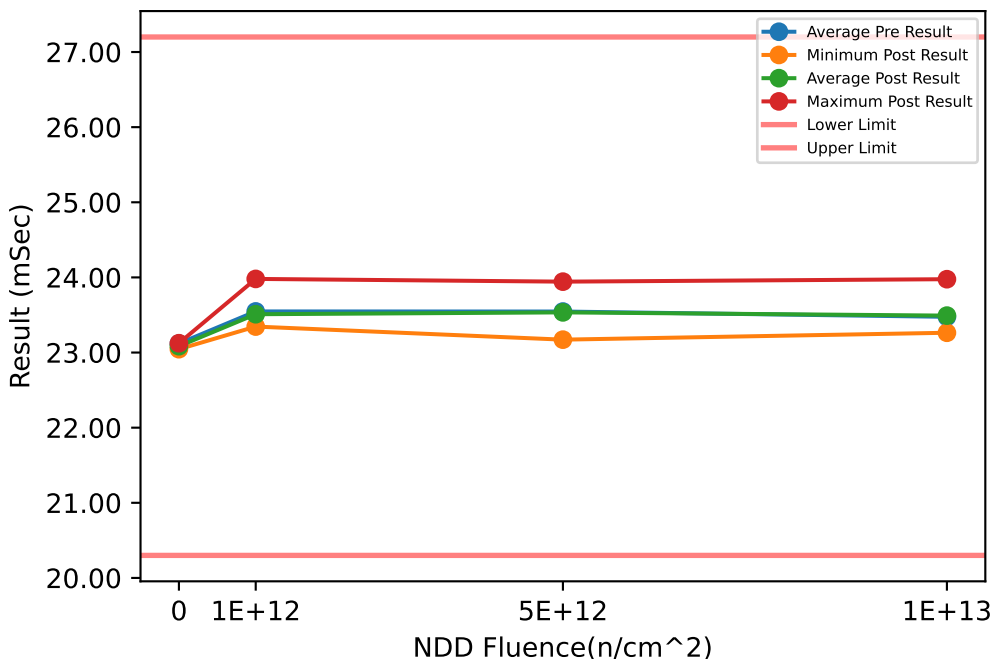
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.875	22.998	23.121	0.17388	22.862	22.886	22.91	0.034083	-0.2586	-0.11155	0.0355	0.20796
1e+12	23.2	23.414	23.774	0.27025	23.447	23.617	24.103	0.32395	-0.0124	0.2027	0.3294	0.14895
5e+12	22.938	23.325	23.766	0.34516	23.231	23.553	24.056	0.38154	0.0634	0.228	0.2925	0.11038
1e+13	22.983	23.298	23.682	0.28835	22.95	23.358	24	0.47943	-0.2062	0.059925	0.3179	0.22826

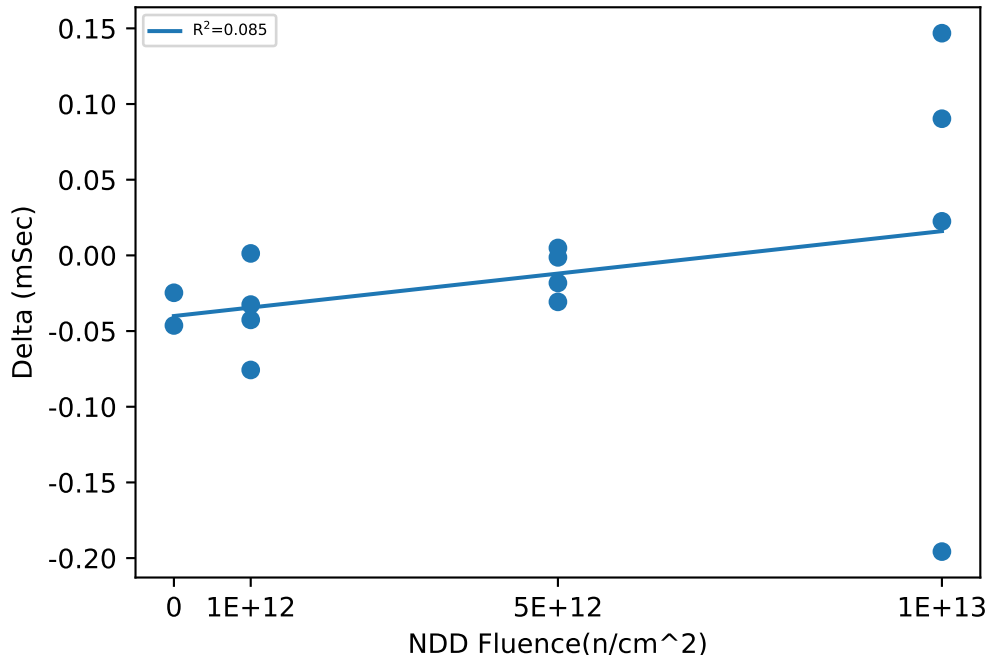
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.38	23.347	-0.0325
2	1e+12	NDD Unbiased	24.056	23.98	-0.0757
3	1e+12	NDD Unbiased	23.366	23.367	0.0013
4	1e+12	NDD Unbiased	23.388	23.346	-0.0426
5	5e+12	NDD Unbiased	23.173	23.172	-0.0013
6	5e+12	NDD Unbiased	23.974	23.944	-0.0307
7	5e+12	NDD Unbiased	23.46	23.442	-0.0182
8	5e+12	NDD Unbiased	23.576	23.581	0.0049
9	1e+13	NDD Unbiased	23.538	23.343	-0.1957
10	1e+13	NDD Unbiased	23.294	23.384	0.0903
11	1e+13	NDD Unbiased	23.241	23.263	0.0225
12	1e+13	NDD Unbiased	23.829	23.976	0.1468
53	0	Correlation	23.171	23.124	-0.0463
54	0	Correlation	23.069	23.045	-0.0247

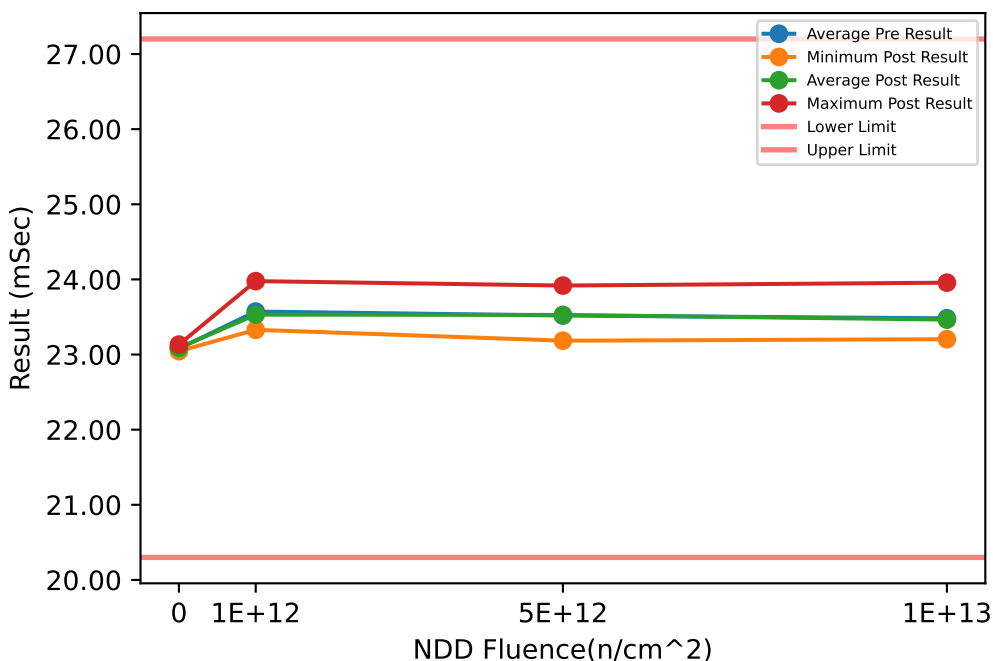
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.069	23.12	23.171	0.071488	23.045	23.084	23.124	0.056215	-0.0463	-0.0355	-0.0247	0.015274
1e+12	23.366	23.547	24.056	0.33906	23.346	23.51	23.98	0.31353	-0.0757	-0.037375	0.0013	0.031705
5e+12	23.173	23.546	23.974	0.3322	23.172	23.535	23.944	0.32143	-0.0307	-0.011325	0.0049	0.016191
1e+13	23.241	23.476	23.829	0.26908	23.263	23.492	23.976	0.32693	-0.1957	0.015975	0.1468	0.14999

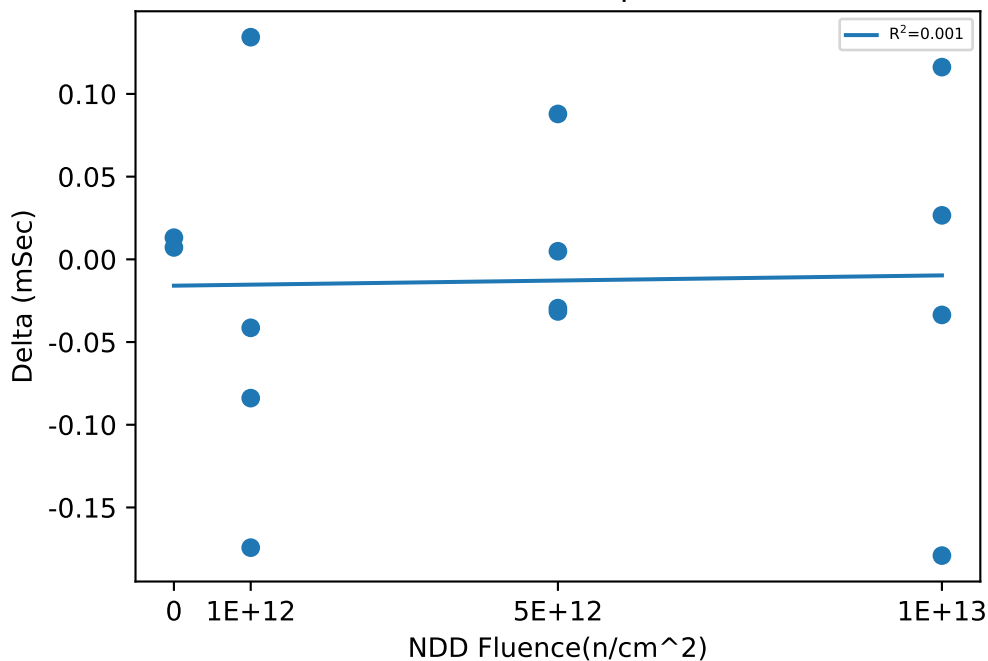
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.514	23.34	-0.1743
2	1e+12	NDD Unbiased	24.061	23.977	-0.0839
3	1e+12	NDD Unbiased	23.371	23.329	-0.0414
4	1e+12	NDD Unbiased	23.343	23.477	0.1343
5	5e+12	NDD Unbiased	23.096	23.184	0.0879
6	5e+12	NDD Unbiased	23.948	23.918	-0.0295
7	5e+12	NDD Unbiased	23.445	23.45	0.0049
8	5e+12	NDD Unbiased	23.588	23.556	-0.0315
9	1e+13	NDD Unbiased	23.509	23.33	-0.1791
10	1e+13	NDD Unbiased	23.253	23.369	0.1162
11	1e+13	NDD Unbiased	23.177	23.204	0.0266
12	1e+13	NDD Unbiased	23.99	23.957	-0.0336
53	0	Correlation	23.125	23.132	0.0072
54	0	Correlation	23.032	23.045	0.0131

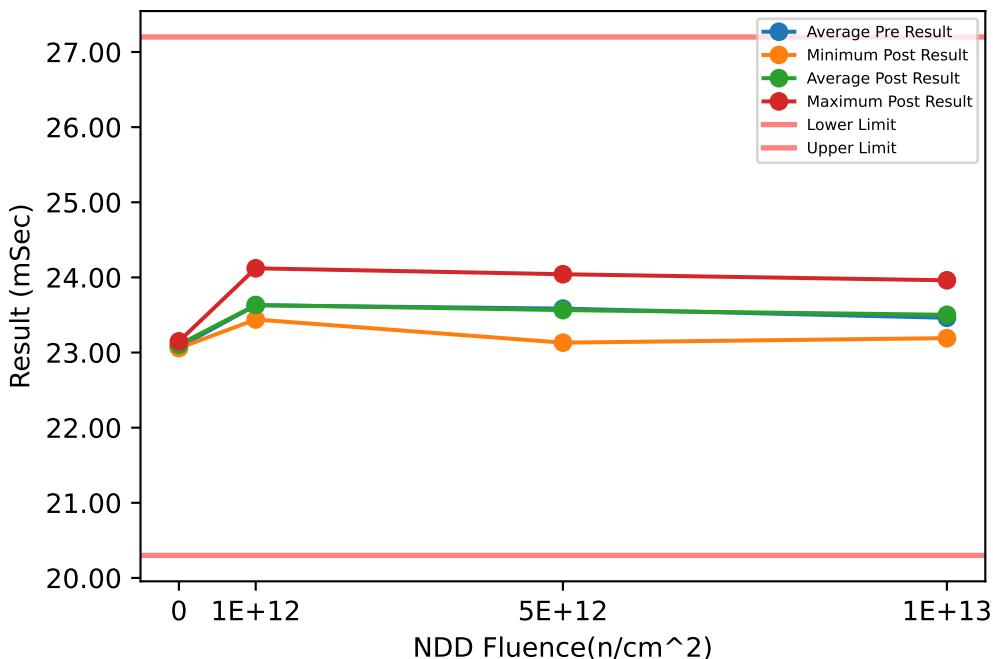
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.032	23.079	23.125	0.06569	23.045	23.089	23.132	0.061518	0.0072	0.01015	0.0131	0.0041719
1e+12	23.343	23.572	24.061	0.33437	23.329	23.531	23.977	0.30504	-0.1743	-0.041325	0.1343	0.12954
5e+12	23.096	23.519	23.948	0.35242	23.184	23.527	23.918	0.30403	-0.0315	0.00795	0.0879	0.055857
1e+13	23.177	23.482	23.99	0.36711	23.204	23.465	23.957	0.33535	-0.1791	-0.017475	0.1162	0.12409

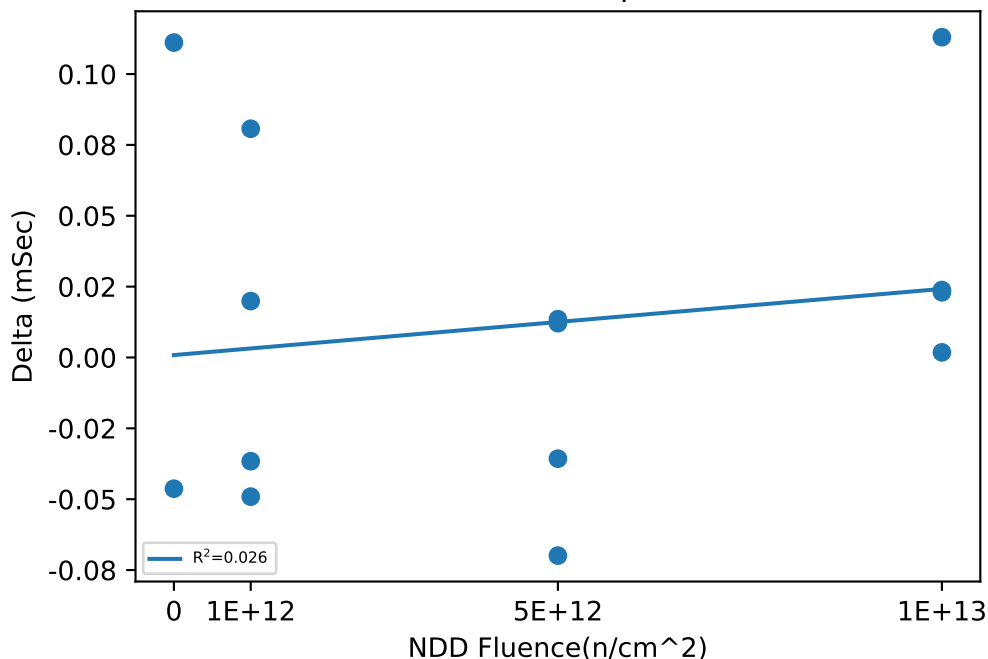
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.481	23.501	0.0199
2	1e+12	NDD Unbiased	24.041	24.121	0.0807
3	1e+12	NDD Unbiased	23.505	23.468	-0.0366
4	1e+12	NDD Unbiased	23.489	23.44	-0.0491
5	5e+12	NDD Unbiased	23.119	23.132	0.0121
6	5e+12	NDD Unbiased	24.078	24.042	-0.0357
7	5e+12	NDD Unbiased	23.567	23.581	0.0135
8	5e+12	NDD Unbiased	23.575	23.505	-0.0699
9	1e+13	NDD Unbiased	23.478	23.502	0.0238
10	1e+13	NDD Unbiased	23.242	23.355	0.113
11	1e+13	NDD Unbiased	23.19	23.192	0.0018
12	1e+13	NDD Unbiased	23.939	23.962	0.023
53	0	Correlation	23.106	23.06	-0.0463
54	0	Correlation	23.037	23.148	0.1111

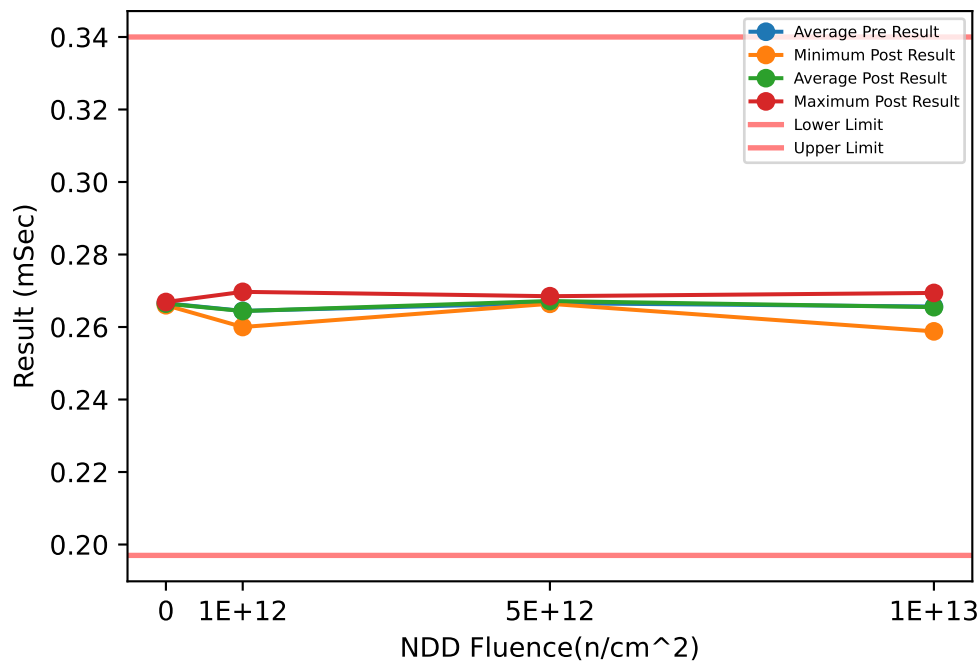
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.037	23.072	23.106	0.048437	23.06	23.104	23.148	0.062862	-0.0463	0.0324	0.1111	0.1113
1e+12	23.481	23.629	24.041	0.27466	23.44	23.633	24.121	0.32677	-0.0491	0.003725	0.0807	0.059451
5e+12	23.119	23.585	24.078	0.39168	23.132	23.565	24.042	0.37398	-0.0699	-0.02	0.0135	0.04037
1e+13	23.19	23.462	23.939	0.34145	23.192	23.503	23.962	0.33119	0.0018	0.0404	0.113	0.049461

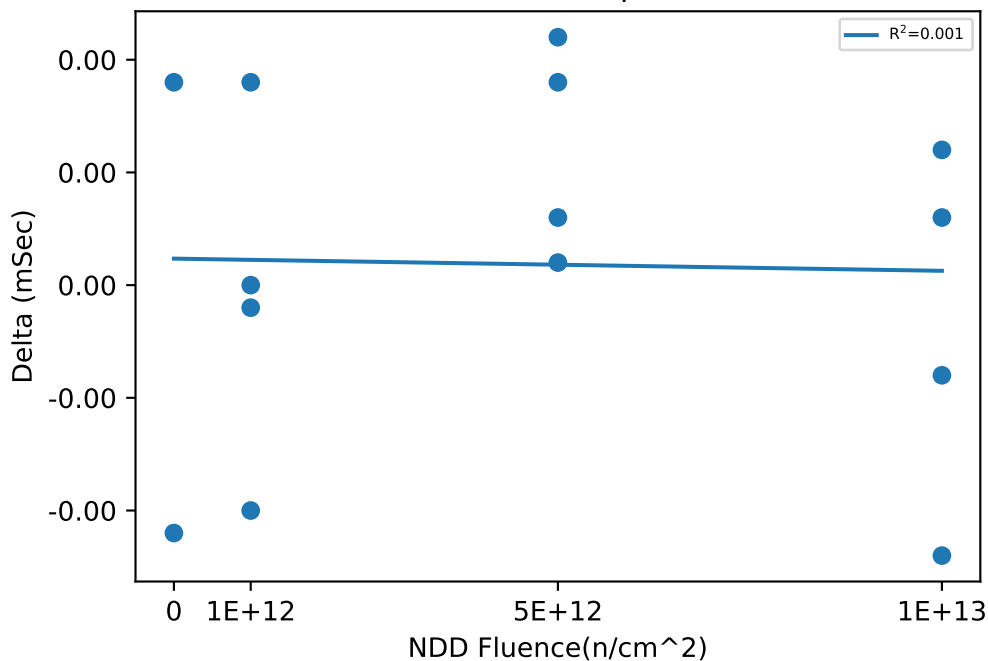
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2616	0.2606	-0.001
2	1e+12	NDD Unbiased	0.2674	0.2673	-0.0001
3	1e+12	NDD Unbiased	0.2697	0.2697	0
4	1e+12	NDD Unbiased	0.2591	0.26	0.0009
5	5e+12	NDD Unbiased	0.2655	0.2664	0.0009
6	5e+12	NDD Unbiased	0.2682	0.2685	0.0003
7	5e+12	NDD Unbiased	0.2658	0.2669	0.0011
8	5e+12	NDD Unbiased	0.2668	0.2669	0.0001
9	1e+13	NDD Unbiased	0.2691	0.2694	0.0003
10	1e+13	NDD Unbiased	0.26	0.2588	-0.0012
11	1e+13	NDD Unbiased	0.2665	0.2661	-0.0004
12	1e+13	NDD Unbiased	0.267	0.2676	0.0006
53	0	Correlation	0.2671	0.266	-0.0011
54	0	Correlation	0.266	0.2669	0.0009

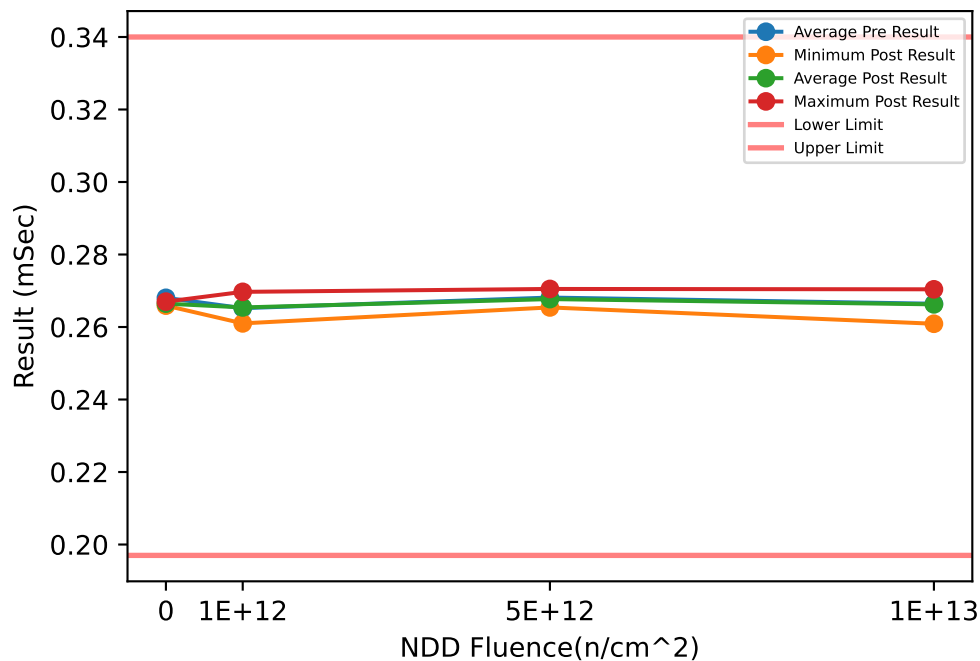
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.266	0.26655	0.2671	0.00077782	0.266	0.26645	0.2669	0.0006364	-0.0011	-0.0001	0.0009	0.0014142
1e+12	0.2591	0.26445	0.2697	0.0049332	0.26	0.2644	0.2697	0.0048408	-0.001	-5e-05	0.0009	0.00077675
5e+12	0.2655	0.26658	0.2682	0.0012176	0.2664	0.26718	0.2685	0.00091424	0.0001	0.0006	0.0011	0.0004761
1e+13	0.26	0.26565	0.2691	0.0039315	0.2588	0.26548	0.2694	0.00465	-0.0012	-0.000175	0.0006	0.00080156

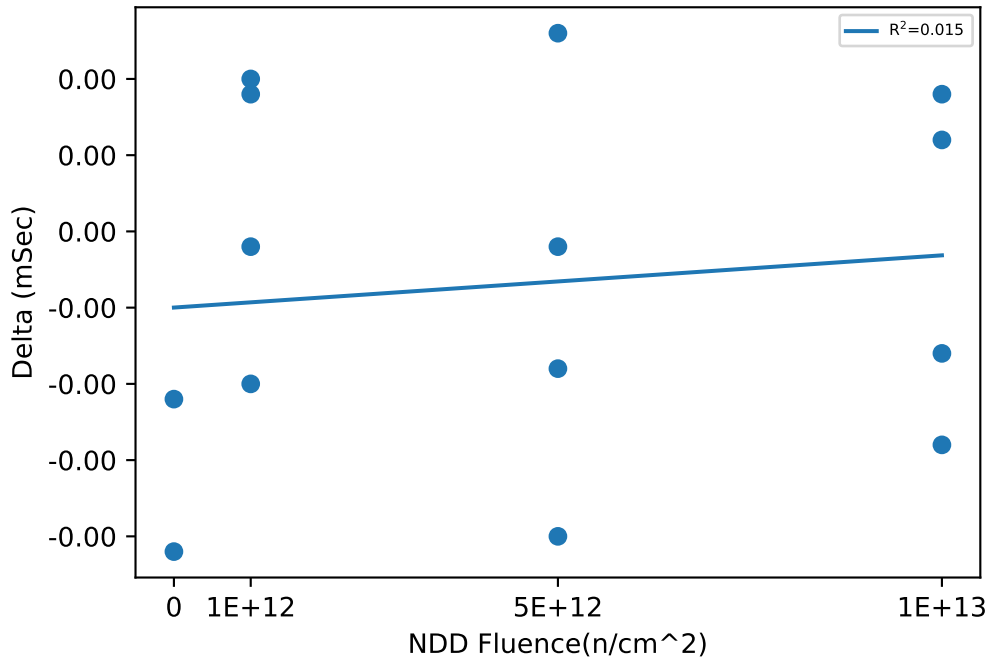
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2616	0.2626	0.001
2	1e+12	NDD Unbiased	0.2674	0.2683	0.0009
3	1e+12	NDD Unbiased	0.2707	0.2697	-0.001
4	1e+12	NDD Unbiased	0.2611	0.261	-0.0001
5	5e+12	NDD Unbiased	0.2655	0.2654	-0.0001
6	5e+12	NDD Unbiased	0.2692	0.2705	0.0013
7	5e+12	NDD Unbiased	0.2679	0.2659	-0.002
8	5e+12	NDD Unbiased	0.2699	0.269	-0.0009
9	1e+13	NDD Unbiased	0.2712	0.2704	-0.0008
10	1e+13	NDD Unbiased	0.26	0.2609	0.0009
11	1e+13	NDD Unbiased	0.2675	0.2661	-0.0014
12	1e+13	NDD Unbiased	0.267	0.2676	0.0006
53	0	Correlation	0.2681	0.267	-0.0011
54	0	Correlation	0.268	0.2659	-0.0021

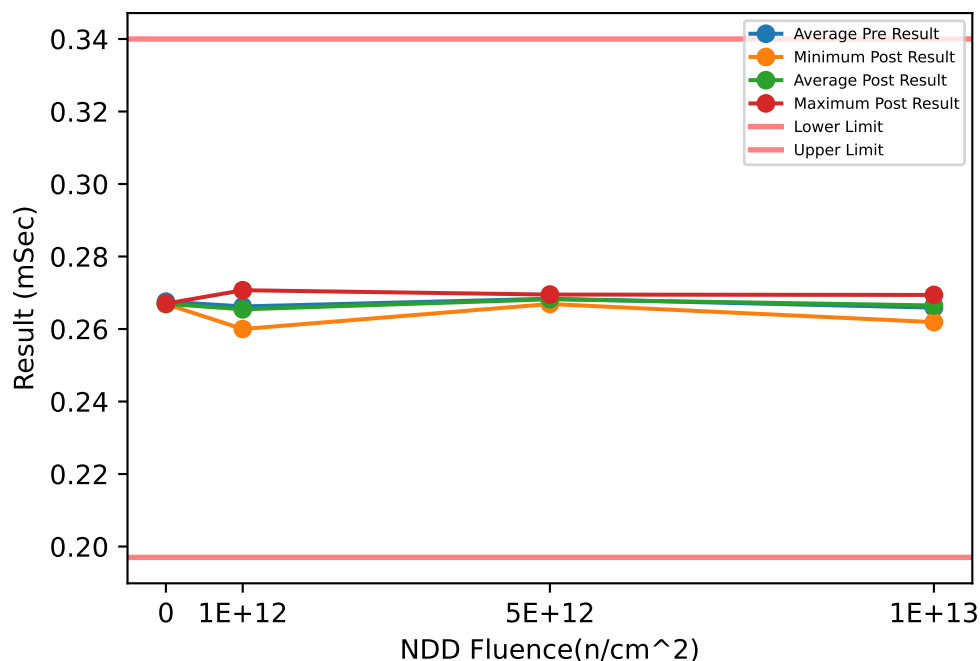
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.268	0.26805	0.2681	7.0711e-05	0.2659	0.26645	0.267	0.00077782	-0.0021	-0.0016	-0.0011	0.00070711
1e+12	0.2611	0.2652	0.2707	0.0046497	0.261	0.2654	0.2697	0.0042466	-0.001	0.0002	0.001	0.00094163
5e+12	0.2655	0.26813	0.2699	0.0019363	0.2654	0.2677	0.2705	0.0024536	-0.002	-0.000425	0.0013	0.0013889
1e+13	0.26	0.26643	0.2712	0.004675	0.2609	0.26625	0.2704	0.0039871	-0.0014	-0.000175	0.0009	0.0011026

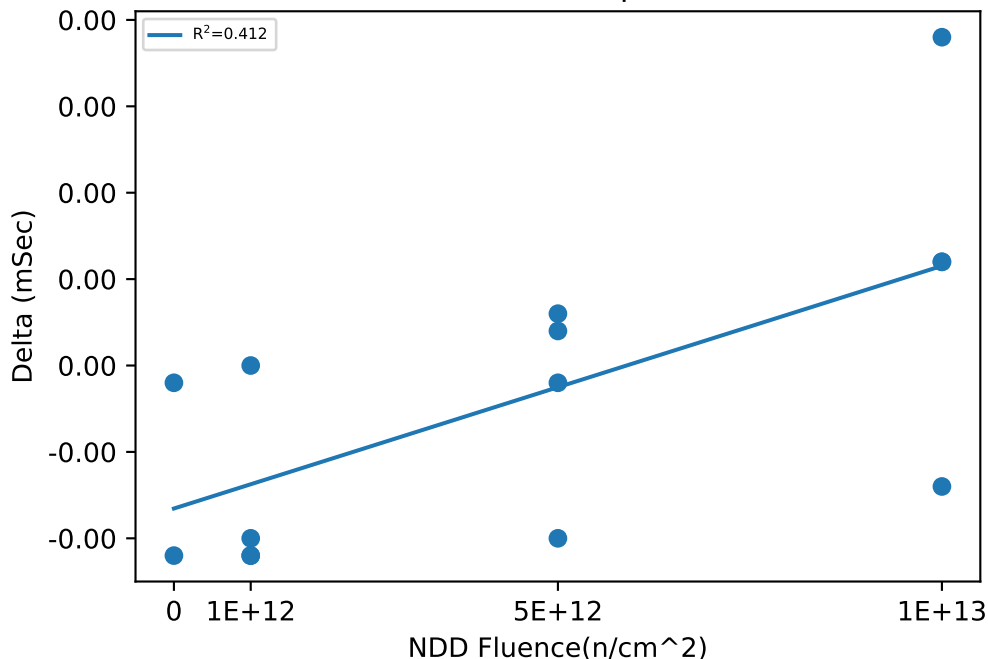
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2636	0.2626	-0.001
2	1e+12	NDD Unbiased	0.2695	0.2684	-0.0011
3	1e+12	NDD Unbiased	0.2707	0.2707	0
4	1e+12	NDD Unbiased	0.2611	0.26	-0.0011
5	5e+12	NDD Unbiased	0.2675	0.2674	-0.0001
6	5e+12	NDD Unbiased	0.2692	0.2695	0.0003
7	5e+12	NDD Unbiased	0.2679	0.2669	-0.001
8	5e+12	NDD Unbiased	0.2688	0.269	0.0002
9	1e+13	NDD Unbiased	0.2701	0.2694	-0.0007
10	1e+13	NDD Unbiased	0.26	0.2619	0.0019
11	1e+13	NDD Unbiased	0.2665	0.2671	0.0006
12	1e+13	NDD Unbiased	0.267	0.2676	0.0006
53	0	Correlation	0.2681	0.267	-0.0011
54	0	Correlation	0.267	0.2669	-0.0001

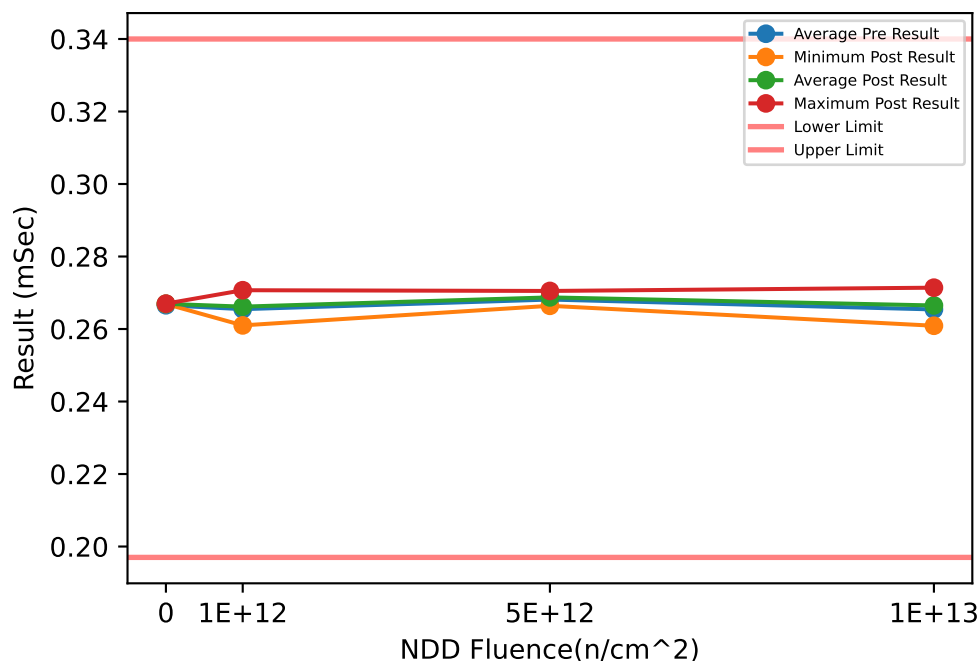
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.267	0.26755	0.2681	0.00077782	0.2669	0.26695	0.267	7.0711e-05	-0.0011	-0.0006	-0.0001	0.00070711
1e+12	0.2611	0.26622	0.2707	0.0046155	0.26	0.26543	0.2707	0.0049695	-0.0011	-0.0008	0	0.00053541
5e+12	0.2675	0.26835	0.2692	0.00078528	0.2669	0.2682	0.2695	0.0012463	-0.001	-0.00015	0.0003	0.00059161
1e+13	0.26	0.2659	0.2701	0.0042434	0.2619	0.2665	0.2694	0.0032218	-0.0007	0.0006	0.0019	0.0010614

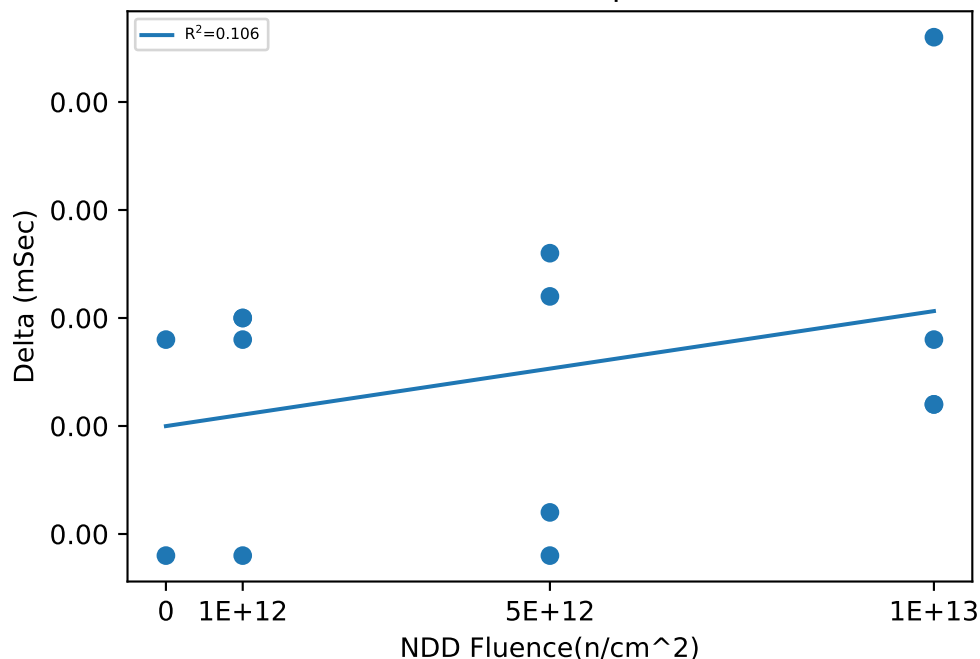
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2626	0.2636	0.001
2	1e+12	NDD Unbiased	0.2685	0.2694	0.0009
3	1e+12	NDD Unbiased	0.2697	0.2707	0.001
4	1e+12	NDD Unbiased	0.2611	0.261	-0.0001
5	5e+12	NDD Unbiased	0.2665	0.2664	-0.0001
6	5e+12	NDD Unbiased	0.2692	0.2705	0.0013
7	5e+12	NDD Unbiased	0.2669	0.268	0.0011
8	5e+12	NDD Unbiased	0.2699	0.27	0.0001
9	1e+13	NDD Unbiased	0.2691	0.2714	0.0023
10	1e+13	NDD Unbiased	0.26	0.2609	0.0009
11	1e+13	NDD Unbiased	0.2655	0.2661	0.0006
12	1e+13	NDD Unbiased	0.267	0.2676	0.0006
53	0	Correlation	0.2661	0.267	0.0009
54	0	Correlation	0.267	0.2669	-0.0001

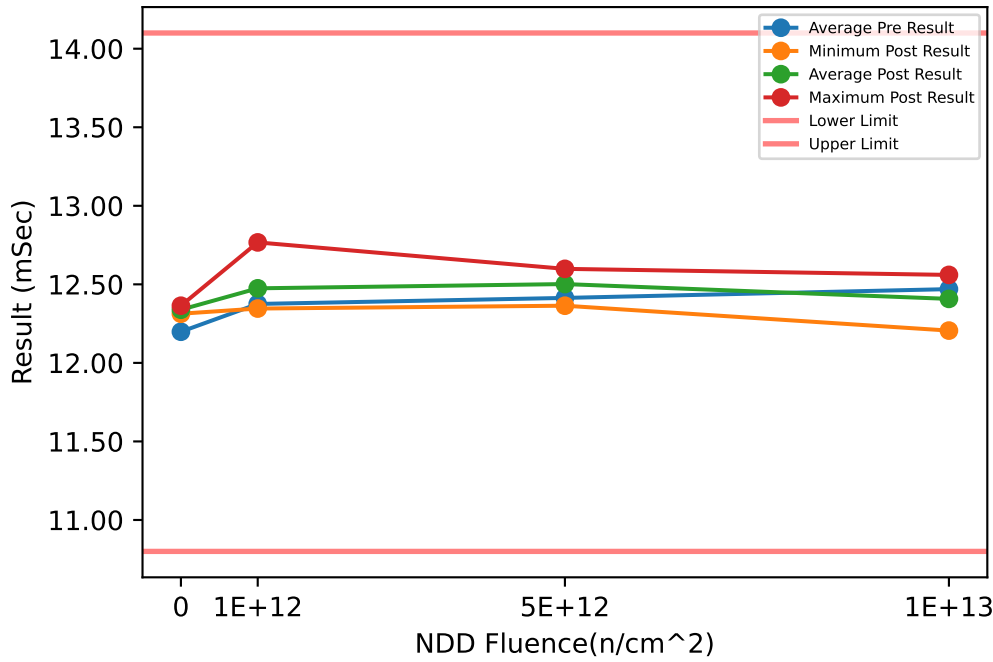
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2661	0.26655	0.267	0.0006364	0.2669	0.26695	0.267	7.0711e-05	-0.0001	0.0004	0.0009	0.00070711
1e+12	0.2611	0.26548	0.2697	0.0042586	0.261	0.26617	0.2707	0.0046292	-0.0001	0.0007	0.001	0.00053541
5e+12	0.2665	0.26813	0.2699	0.001678	0.2664	0.26872	0.2705	0.0018892	-0.0001	0.0006	0.0013	0.00070238
1e+13	0.26	0.2654	0.2691	0.003891	0.2609	0.2665	0.2714	0.0043489	0.0006	0.0011	0.0023	0.0008124

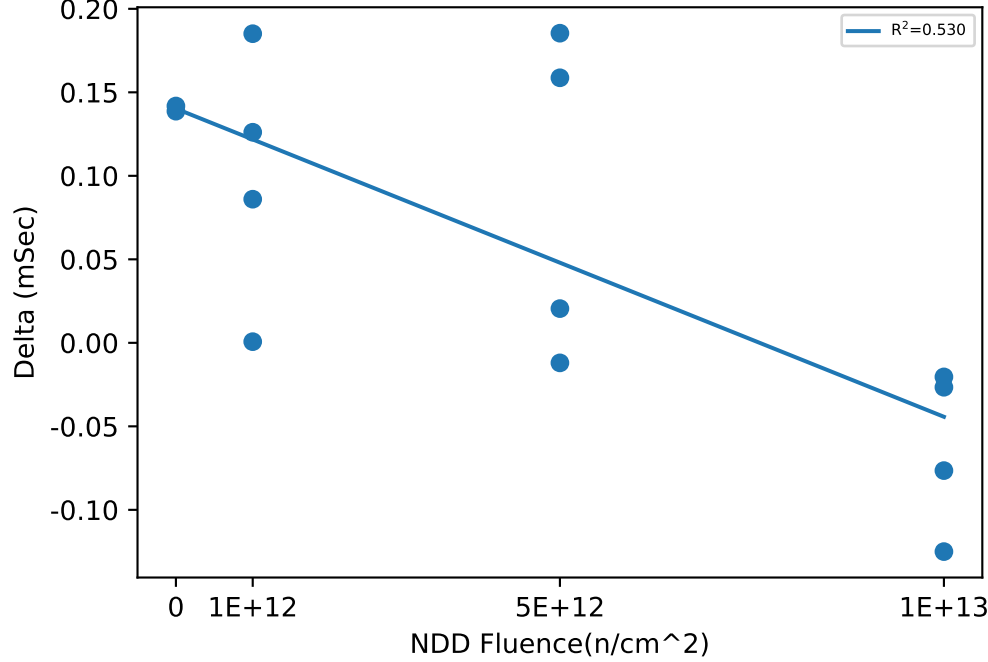
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.332	12.418	0.086
2	1e+12	NDD Unbiased	12.582	12.767	0.1851
3	1e+12	NDD Unbiased	12.345	12.346	0.0007
4	1e+12	NDD Unbiased	12.242	12.368	0.1261
5	5e+12	NDD Unbiased	12.179	12.364	0.1854
6	5e+12	NDD Unbiased	12.578	12.599	0.0205
7	5e+12	NDD Unbiased	12.34	12.499	0.1587
8	5e+12	NDD Unbiased	12.557	12.545	-0.012
9	1e+13	NDD Unbiased	12.566	12.49	-0.0765
10	1e+13	NDD Unbiased	12.331	12.206	-0.125
11	1e+13	NDD Unbiased	12.395	12.374	-0.0204
12	1e+13	NDD Unbiased	12.587	12.56	-0.0266
53	0	Correlation	12.225	12.364	0.1387
54	0	Correlation	12.171	12.313	0.1418

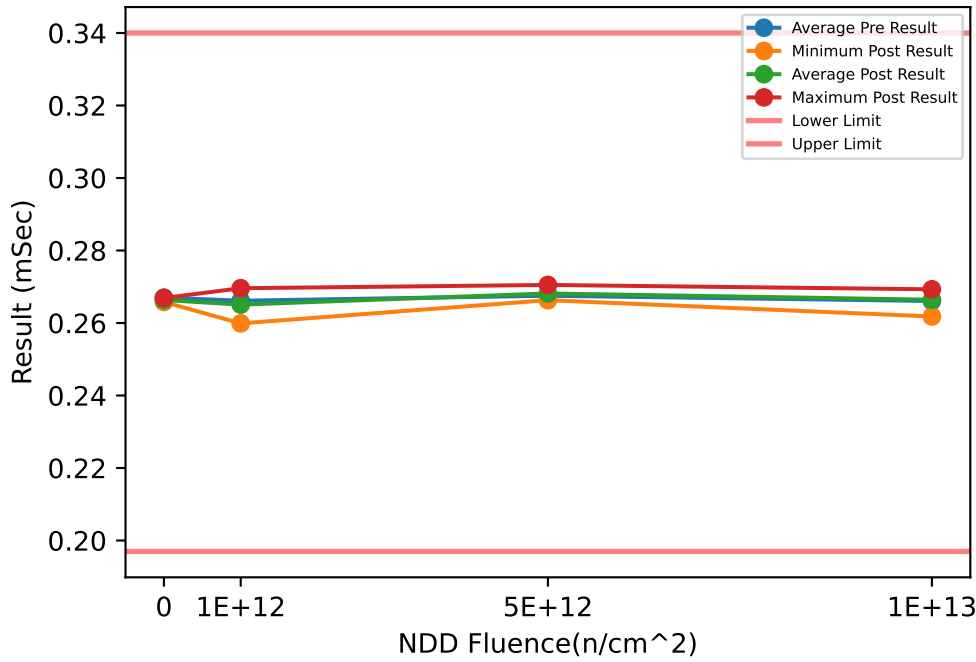
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.171	12.198	12.225	0.038113	12.313	12.338	12.364	0.035921	0.1387	0.14025	0.1418	0.002192
1e+12	12.242	12.375	12.582	0.14532	12.346	12.475	12.767	0.19722	0.0007	0.099475	0.1851	0.077414
5e+12	12.179	12.414	12.578	0.18999	12.364	12.502	12.599	0.10043	-0.012	0.08815	0.1854	0.098389
1e+13	12.331	12.47	12.587	0.12639	12.206	12.407	12.56	0.15479	-0.125	-0.062125	-0.0204	0.048863

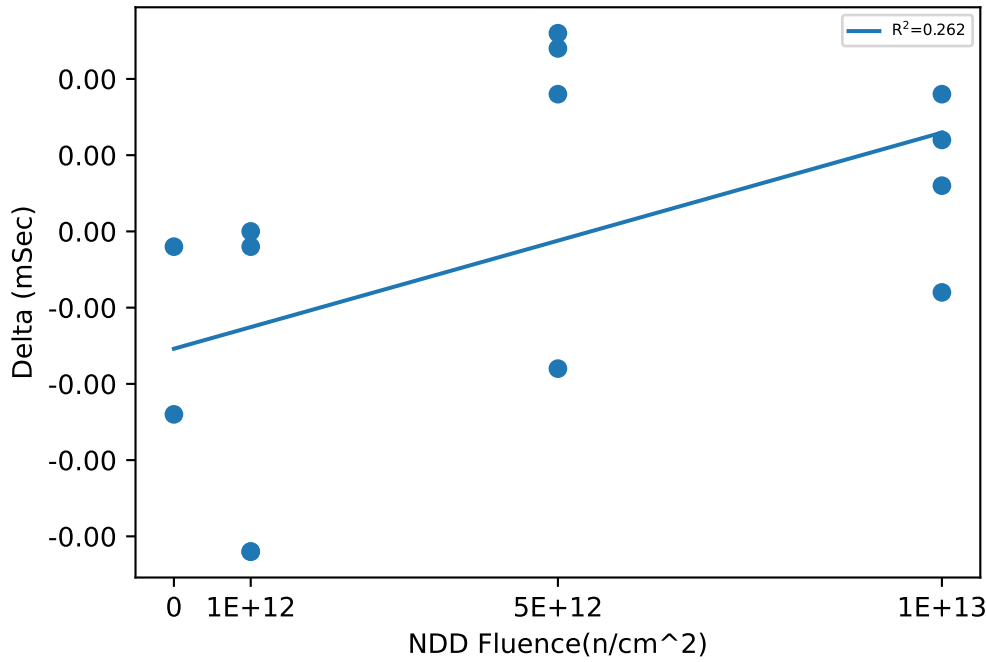
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2625	0.2625	0
2	1e+12	NDD Unbiased	0.2684	0.2683	-0.0001
3	1e+12	NDD Unbiased	0.2717	0.2696	-0.0021
4	1e+12	NDD Unbiased	0.262	0.2599	-0.0021
5	5e+12	NDD Unbiased	0.2654	0.2663	0.0009
6	5e+12	NDD Unbiased	0.2692	0.2705	0.0013
7	5e+12	NDD Unbiased	0.2678	0.2669	-0.0009
8	5e+12	NDD Unbiased	0.2677	0.2689	0.0012
9	1e+13	NDD Unbiased	0.269	0.2693	0.0003
10	1e+13	NDD Unbiased	0.2609	0.2618	0.0009
11	1e+13	NDD Unbiased	0.2664	0.266	-0.0004
12	1e+13	NDD Unbiased	0.268	0.2686	0.0006
53	0	Correlation	0.2681	0.2669	-0.0012
54	0	Correlation	0.2659	0.2658	-0.0001

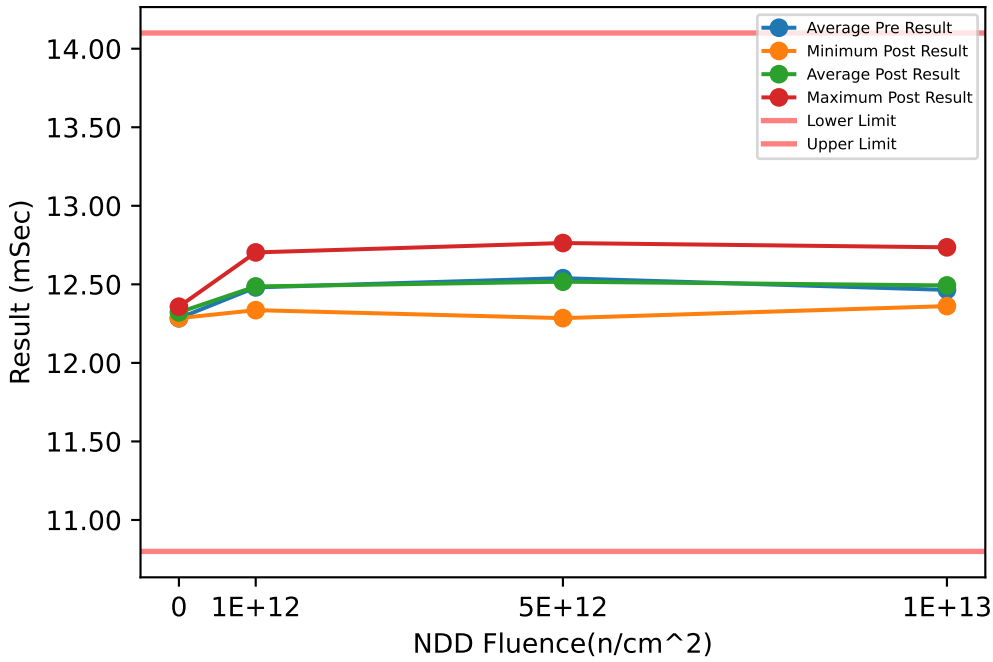
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2659	0.267	0.2681	0.0015556	0.2658	0.26635	0.2669	0.00077782	-0.0012	-0.00065	-0.0001	0.00077782
1e+12	0.262	0.26615	0.2717	0.004705	0.2599	0.26508	0.2696	0.0046292	-0.0021	-0.001075	0	0.0011843
5e+12	0.2654	0.26753	0.2692	0.0015735	0.2663	0.26815	0.2705	0.0019209	-0.0009	0.000625	0.0013	0.0010308
1e+13	0.2609	0.26608	0.269	0.0036124	0.2618	0.26643	0.2693	0.0033945	-0.0004	0.00035	0.0009	0.00055678

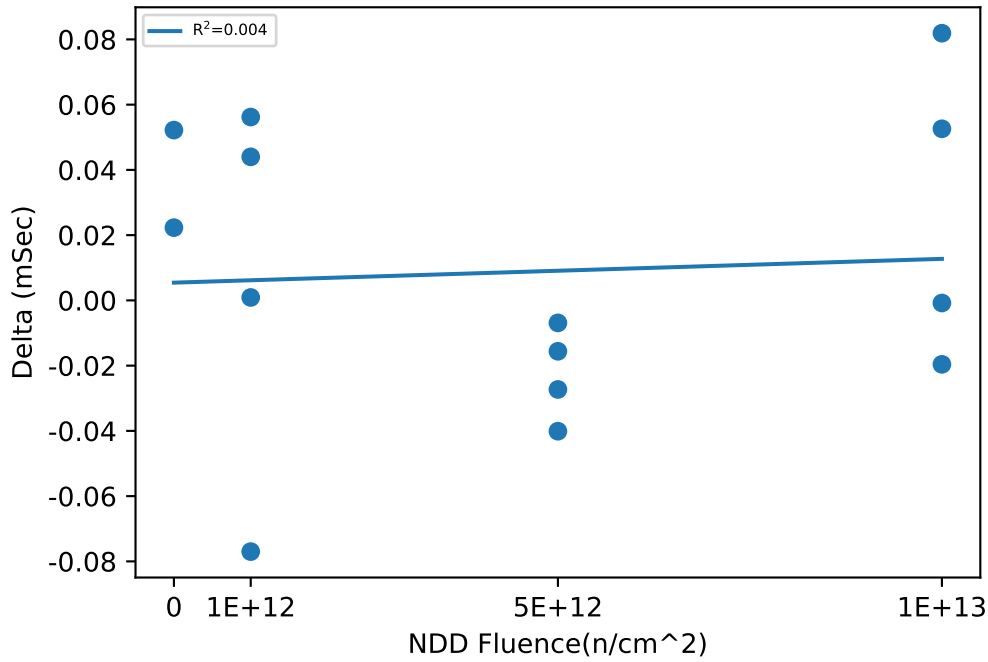
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.413	12.336	-0.077
2	1e+12	NDD Unbiased	12.659	12.703	0.044
3	1e+12	NDD Unbiased	12.508	12.508	0.0009
4	1e+12	NDD Unbiased	12.343	12.399	0.0562
5	5e+12	NDD Unbiased	12.3	12.285	-0.0156
6	5e+12	NDD Unbiased	12.77	12.763	-0.0069
7	5e+12	NDD Unbiased	12.483	12.456	-0.0273
8	5e+12	NDD Unbiased	12.604	12.564	-0.0401
9	1e+13	NDD Unbiased	12.502	12.482	-0.0196
10	1e+13	NDD Unbiased	12.309	12.361	0.0526
11	1e+13	NDD Unbiased	12.311	12.393	0.0819
12	1e+13	NDD Unbiased	12.736	12.736	-0.0008
53	0	Correlation	12.306	12.358	0.0522
54	0	Correlation	12.262	12.285	0.0223

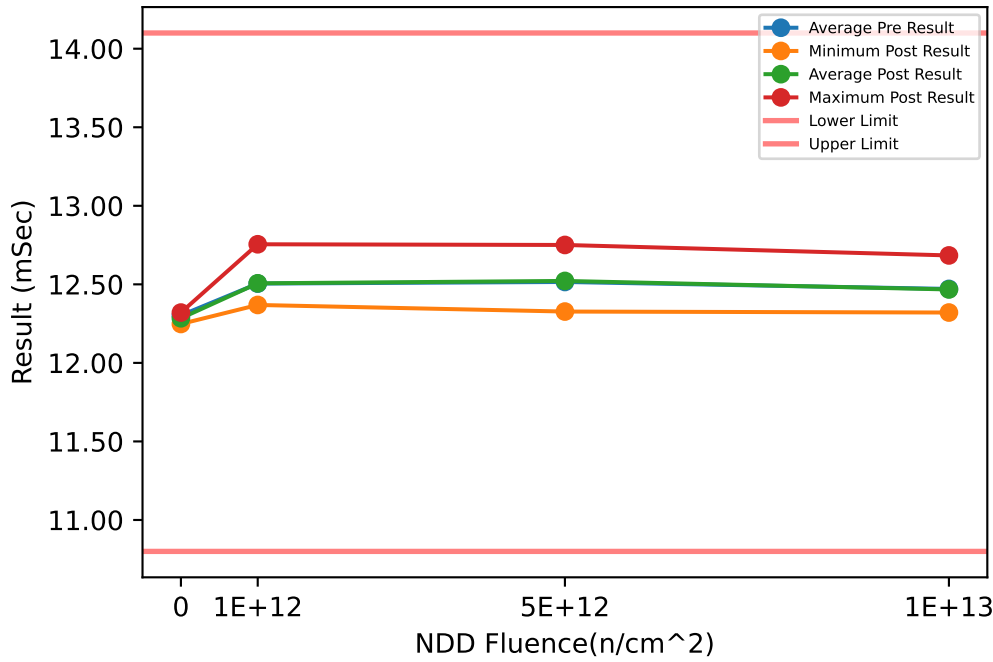
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.262	12.284	12.306	0.030547	12.285	12.321	12.358	0.05169	0.0223	0.03725	0.0522	0.021142
1e+12	12.343	12.481	12.659	0.13697	12.336	12.487	12.703	0.16112	-0.077	0.006025	0.0562	0.060219
5e+12	12.3	12.539	12.77	0.19795	12.285	12.517	12.763	0.20029	-0.0401	-0.022475	-0.0069	0.01442
1e+13	12.309	12.465	12.736	0.20249	12.361	12.493	12.736	0.16957	-0.0196	0.028525	0.0819	0.04692

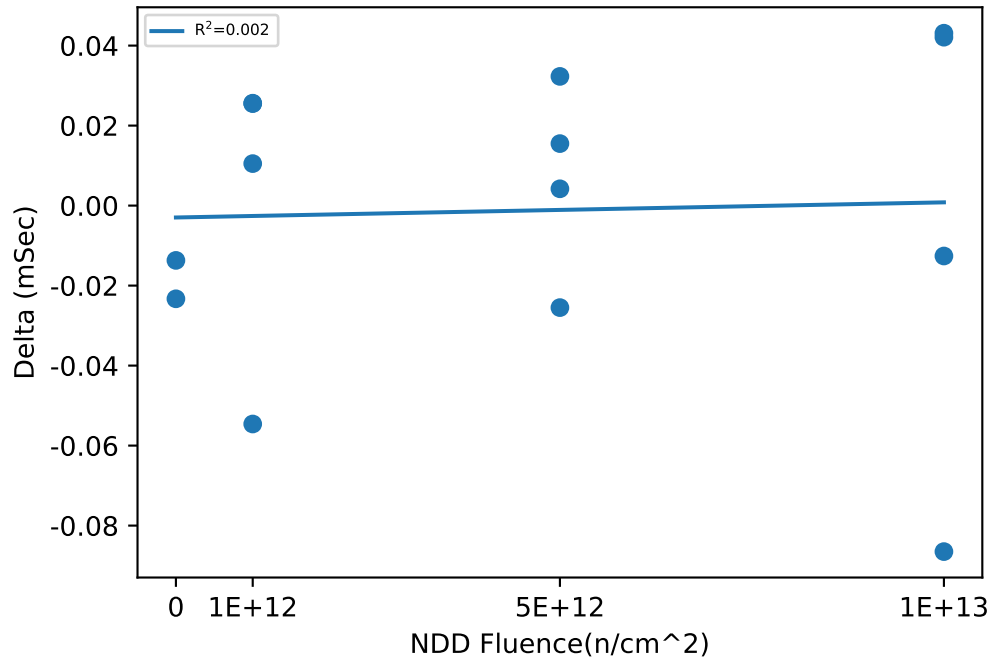
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.409	12.42	0.0105
2	1e+12	NDD Unbiased	12.73	12.755	0.0255
3	1e+12	NDD Unbiased	12.457	12.482	0.0256
4	1e+12	NDD Unbiased	12.423	12.369	-0.0546
5	5e+12	NDD Unbiased	12.311	12.327	0.0155
6	5e+12	NDD Unbiased	12.746	12.751	0.0042
7	5e+12	NDD Unbiased	12.43	12.462	0.0323
8	5e+12	NDD Unbiased	12.573	12.547	-0.0255
9	1e+13	NDD Unbiased	12.561	12.475	-0.0865
10	1e+13	NDD Unbiased	12.278	12.321	0.0421
11	1e+13	NDD Unbiased	12.347	12.39	0.0431
12	1e+13	NDD Unbiased	12.697	12.684	-0.0126
53	0	Correlation	12.334	12.32	-0.0137
54	0	Correlation	12.271	12.248	-0.0233

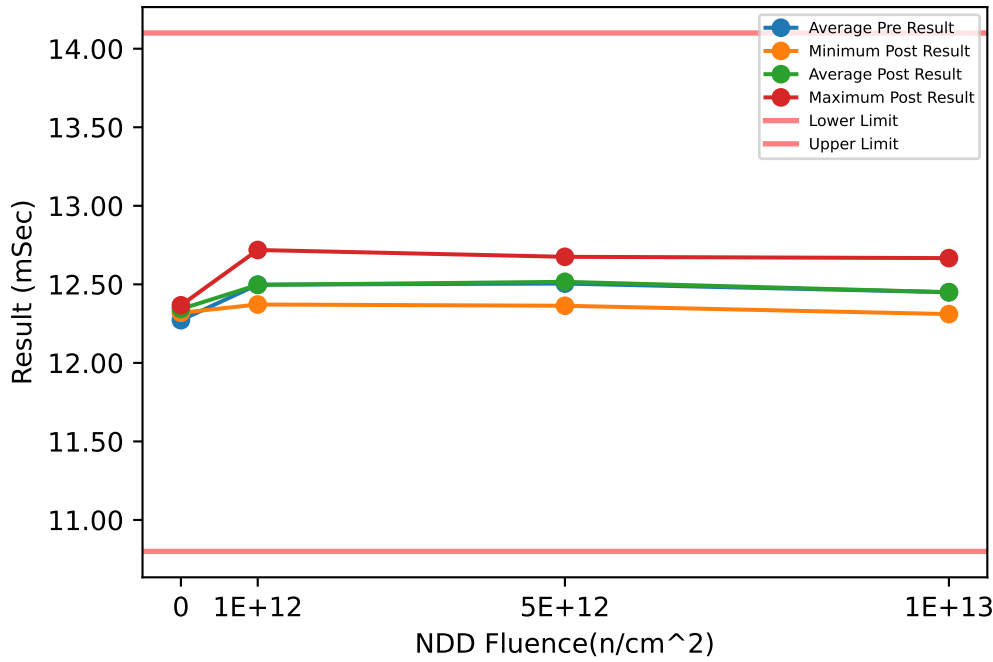
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.271	12.303	12.334	0.044548	12.248	12.284	12.32	0.051336	-0.0233	-0.0185	-0.0137	0.0067882
1e+12	12.409	12.505	12.73	0.15119	12.369	12.507	12.755	0.1721	-0.0546	0.00175	0.0256	0.038231
5e+12	12.311	12.515	12.746	0.18767	12.327	12.522	12.751	0.1776	-0.0255	0.006625	0.0323	0.02433
1e+13	12.278	12.471	12.697	0.19269	12.321	12.467	12.684	0.15756	-0.0865	-0.003475	0.0431	0.061163

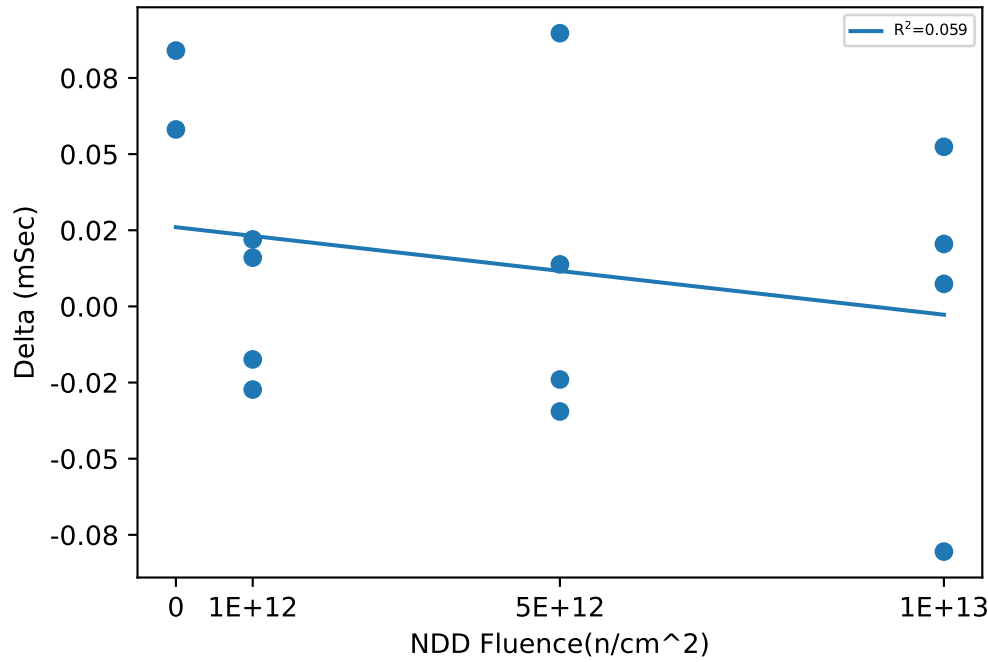
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.399	12.372	-0.0273
2	1e+12	NDD Unbiased	12.703	12.719	0.016
3	1e+12	NDD Unbiased	12.534	12.517	-0.0174
4	1e+12	NDD Unbiased	12.357	12.379	0.022
5	5e+12	NDD Unbiased	12.274	12.364	0.0897
6	5e+12	NDD Unbiased	12.699	12.675	-0.024
7	5e+12	NDD Unbiased	12.494	12.508	0.0138
8	5e+12	NDD Unbiased	12.552	12.517	-0.0345
9	1e+13	NDD Unbiased	12.54	12.459	-0.0805
10	1e+13	NDD Unbiased	12.258	12.311	0.0524
11	1e+13	NDD Unbiased	12.355	12.363	0.0074
12	1e+13	NDD Unbiased	12.646	12.667	0.0205
53	0	Correlation	12.283	12.367	0.084
54	0	Correlation	12.261	12.319	0.0581

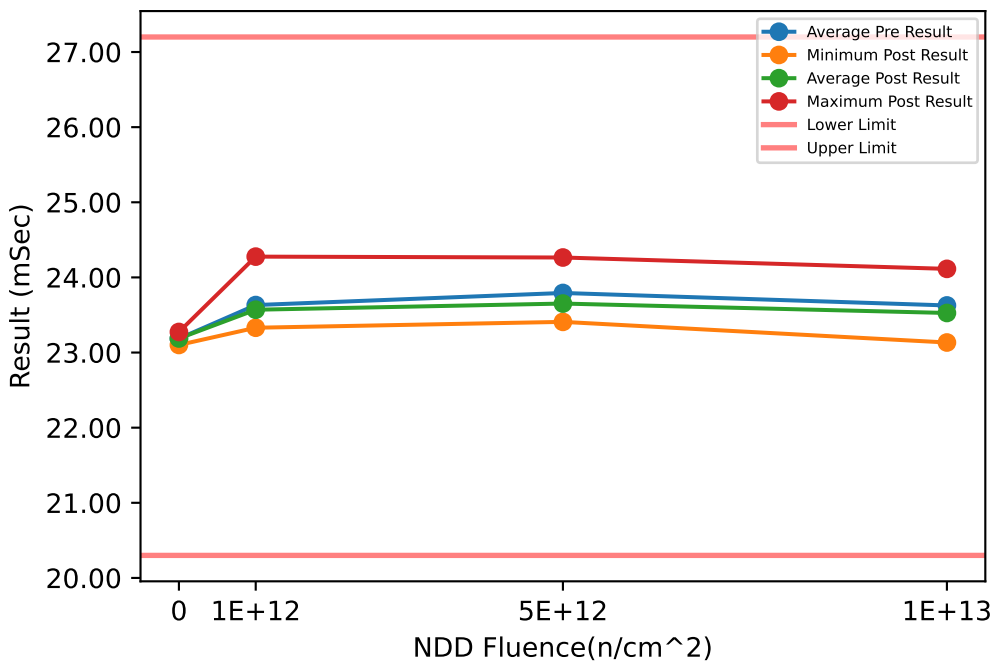
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.261	12.272	12.283	0.015274	12.319	12.343	12.367	0.033588	0.0581	0.07105	0.084	0.018314
1e+12	12.357	12.498	12.703	0.15598	12.372	12.496	12.719	0.16253	-0.0273	-0.001675	0.022	0.024337
5e+12	12.274	12.505	12.699	0.17644	12.364	12.516	12.675	0.12728	-0.0345	0.01125	0.0897	0.056263
1e+13	12.258	12.45	12.646	0.17551	12.311	12.45	12.667	0.1573	-0.0805	-5e-05	0.0524	0.056865

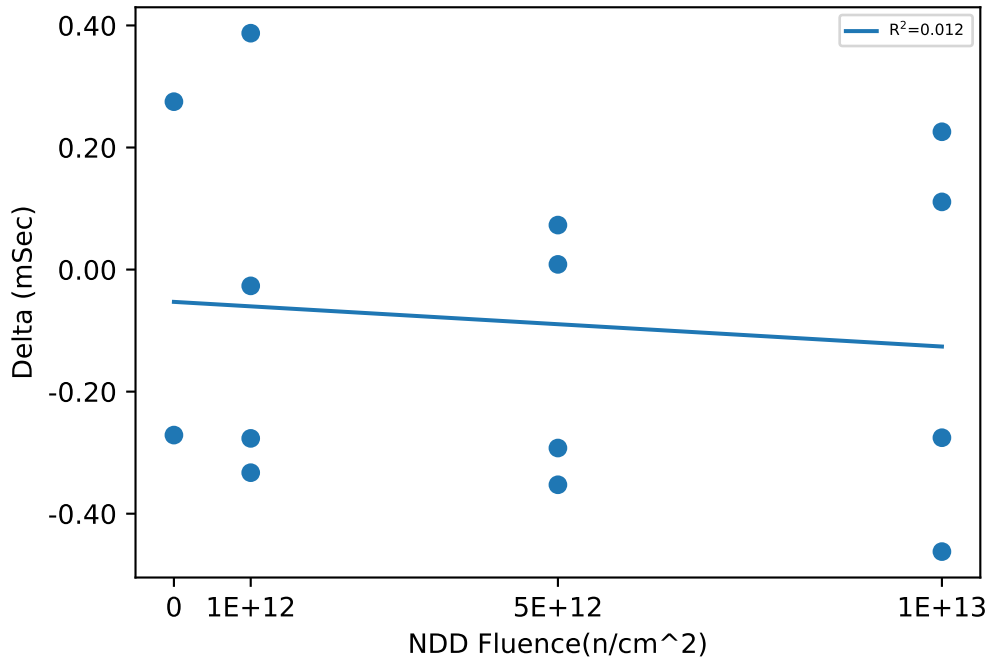
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.663	23.33	-0.3328
2	1e+12	NDD Unbiased	23.889	24.277	0.3873
3	1e+12	NDD Unbiased	23.61	23.333	-0.2766
4	1e+12	NDD Unbiased	23.366	23.34	-0.0267
5	5e+12	NDD Unbiased	23.335	23.408	0.0729
6	5e+12	NDD Unbiased	24.256	24.265	0.0085
7	5e+12	NDD Unbiased	23.713	23.421	-0.2924
8	5e+12	NDD Unbiased	23.867	23.514	-0.3526
9	1e+13	NDD Unbiased	23.813	23.351	-0.4621
10	1e+13	NDD Unbiased	23.397	23.508	0.1109
11	1e+13	NDD Unbiased	23.409	23.134	-0.2755
12	1e+13	NDD Unbiased	23.888	24.114	0.2258
53	0	Correlation	23.372	23.101	-0.2712
54	0	Correlation	22.999	23.274	0.2751

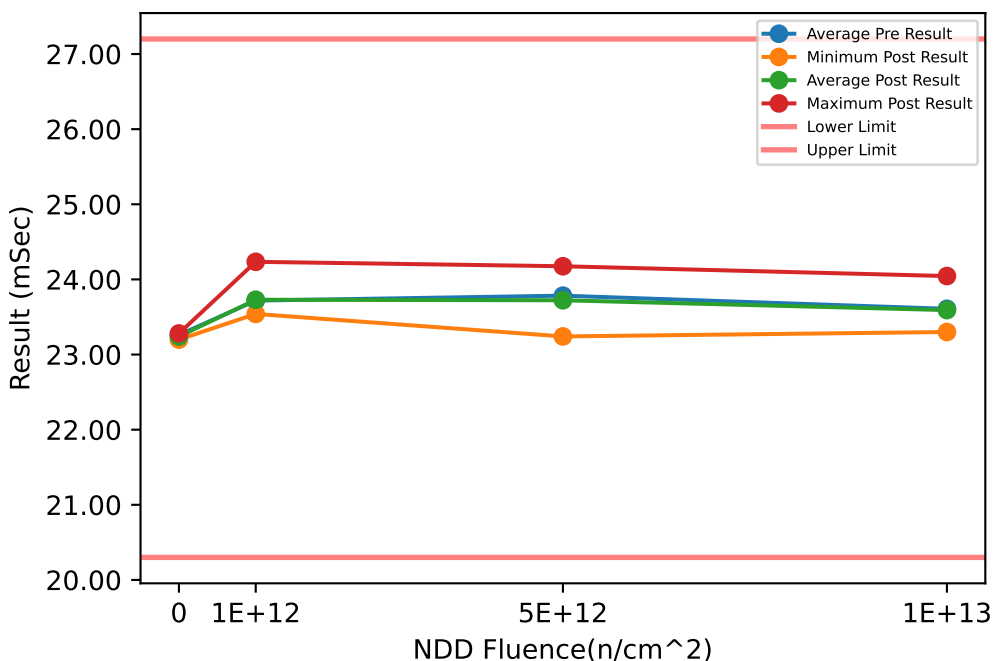
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.999	23.185	23.372	0.2641	23.101	23.187	23.274	0.12219	-0.2712	0.00195	0.2751	0.38629
1e+12	23.366	23.632	23.889	0.21476	23.33	23.57	24.277	0.47123	-0.3328	-0.0622	0.3873	0.32787
5e+12	23.335	23.793	24.256	0.38124	23.408	23.652	24.265	0.41132	-0.3526	-0.1409	0.0729	0.21276
1e+13	23.397	23.627	23.888	0.2601	23.134	23.527	24.114	0.4205	-0.4621	-0.10023	0.2258	0.32277

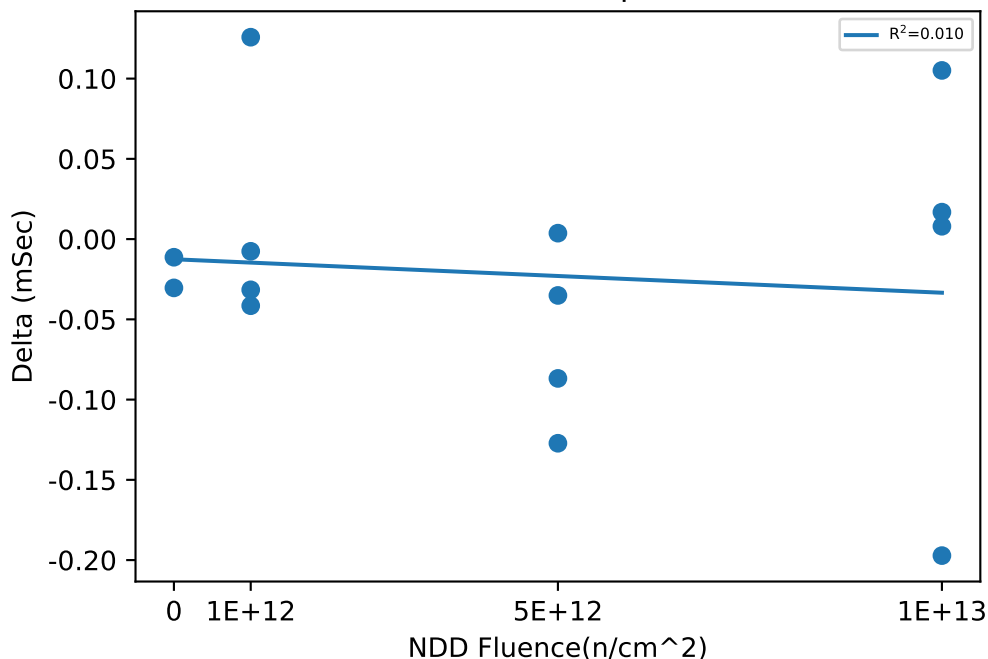
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.582	23.541	-0.0415
2	1e+12	NDD Unbiased	24.108	24.234	0.1258
3	1e+12	NDD Unbiased	23.622	23.59	-0.0316
4	1e+12	NDD Unbiased	23.56	23.553	-0.0076
5	5e+12	NDD Unbiased	23.368	23.241	-0.1272
6	5e+12	NDD Unbiased	24.21	24.175	-0.0351
7	5e+12	NDD Unbiased	23.686	23.69	0.0037
8	5e+12	NDD Unbiased	23.871	23.784	-0.0868
9	1e+13	NDD Unbiased	23.785	23.587	-0.1972
10	1e+13	NDD Unbiased	23.329	23.434	0.1051
11	1e+13	NDD Unbiased	23.292	23.3	0.008
12	1e+13	NDD Unbiased	24.028	24.045	0.0168
53	0	Correlation	23.21	23.199	-0.0113
54	0	Correlation	23.311	23.281	-0.0304

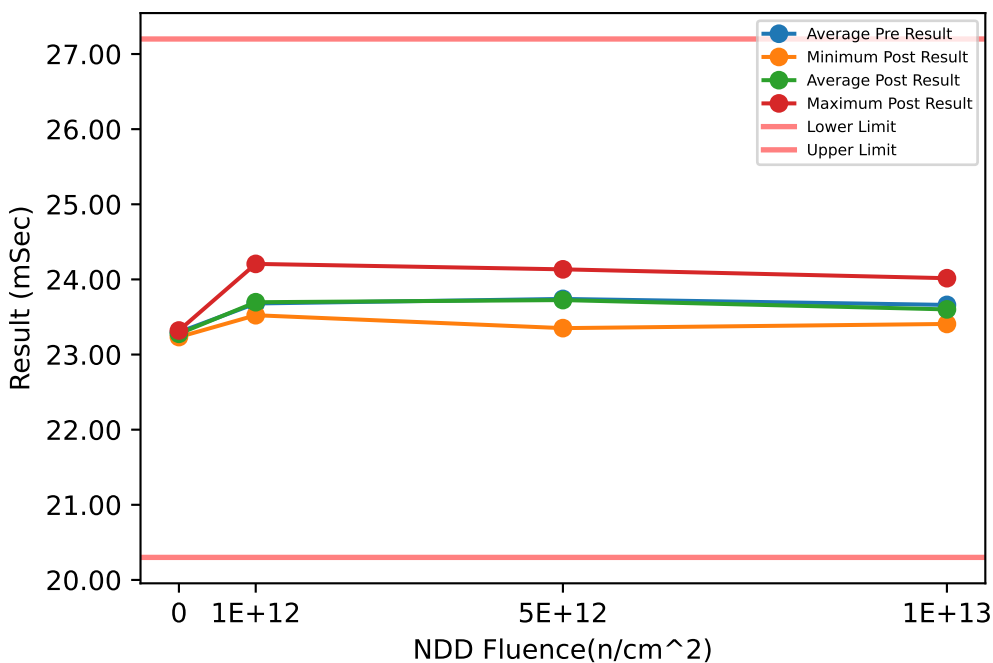
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.21	23.261	23.311	0.071488	23.199	23.24	23.281	0.057983	-0.0304	-0.02085	-0.0113	0.013506
1e+12	23.56	23.718	24.108	0.26143	23.541	23.729	24.234	0.3372	-0.0415	0.011275	0.1258	0.077665
5e+12	23.368	23.784	24.21	0.352	23.241	23.723	24.175	0.38365	-0.1272	-0.06135	0.0037	0.057459
1e+13	23.292	23.608	24.028	0.35829	23.3	23.592	24.045	0.32411	-0.1972	-0.016825	0.1051	0.12799

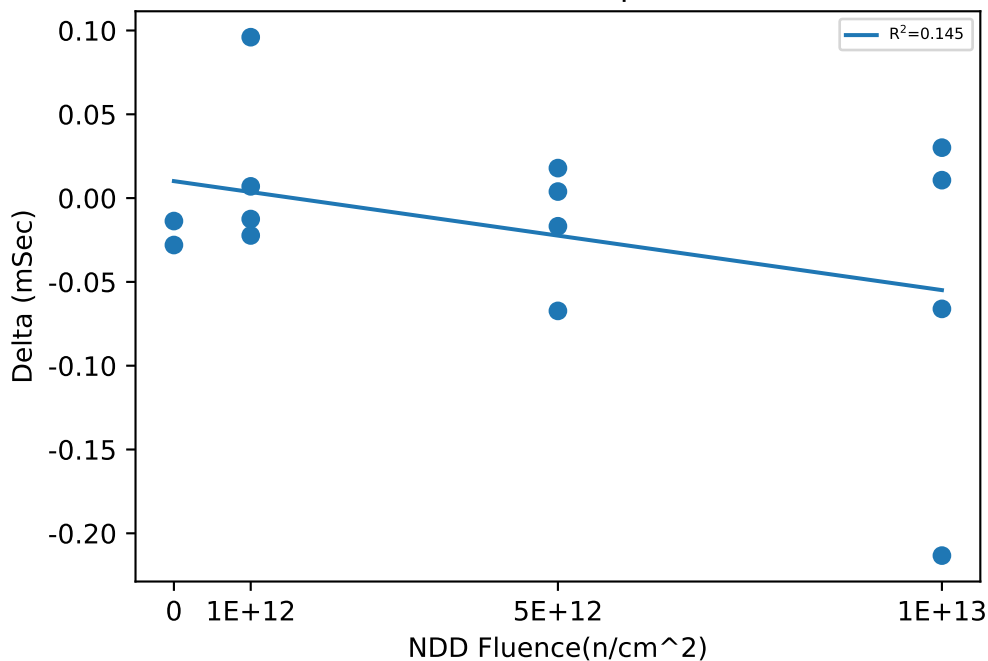
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.54	23.527	-0.0125
2	1e+12	NDD Unbiased	24.111	24.207	0.096
3	1e+12	NDD Unbiased	23.551	23.529	-0.0223
4	1e+12	NDD Unbiased	23.516	23.523	0.007
5	5e+12	NDD Unbiased	23.334	23.352	0.0179
6	5e+12	NDD Unbiased	24.151	24.134	-0.0168
7	5e+12	NDD Unbiased	23.657	23.661	0.0039
8	5e+12	NDD Unbiased	23.82	23.753	-0.0673
9	1e+13	NDD Unbiased	23.757	23.543	-0.2133
10	1e+13	NDD Unbiased	23.473	23.407	-0.0661
11	1e+13	NDD Unbiased	23.407	23.437	0.0301
12	1e+13	NDD Unbiased	24.006	24.016	0.0107
53	0	Correlation	23.348	23.32	-0.028
54	0	Correlation	23.246	23.233	-0.0137

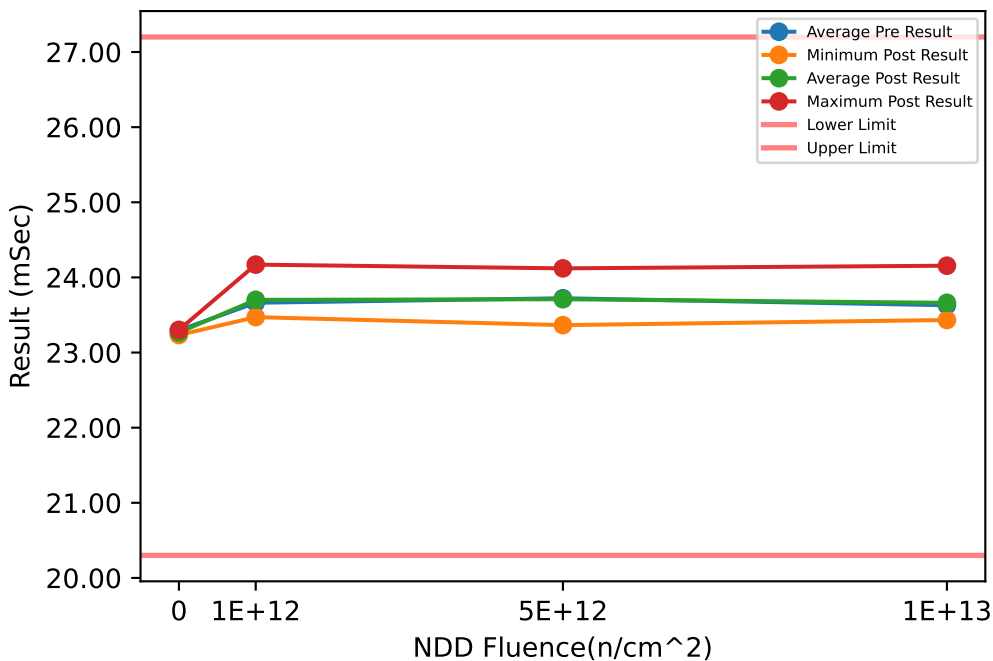
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.246	23.297	23.348	0.071913	23.233	23.276	23.32	0.061801	-0.028	-0.02085	-0.0137	0.010112
1e+12	23.516	23.679	24.111	0.2878	23.523	23.697	24.207	0.34007	-0.0223	0.01705	0.096	0.054024
5e+12	23.334	23.74	24.151	0.34033	23.352	23.725	24.134	0.32243	-0.0673	-0.015575	0.0179	0.037313
1e+13	23.407	23.661	24.006	0.27536	23.407	23.601	24.016	0.28289	-0.2133	-0.05965	0.0301	0.11054

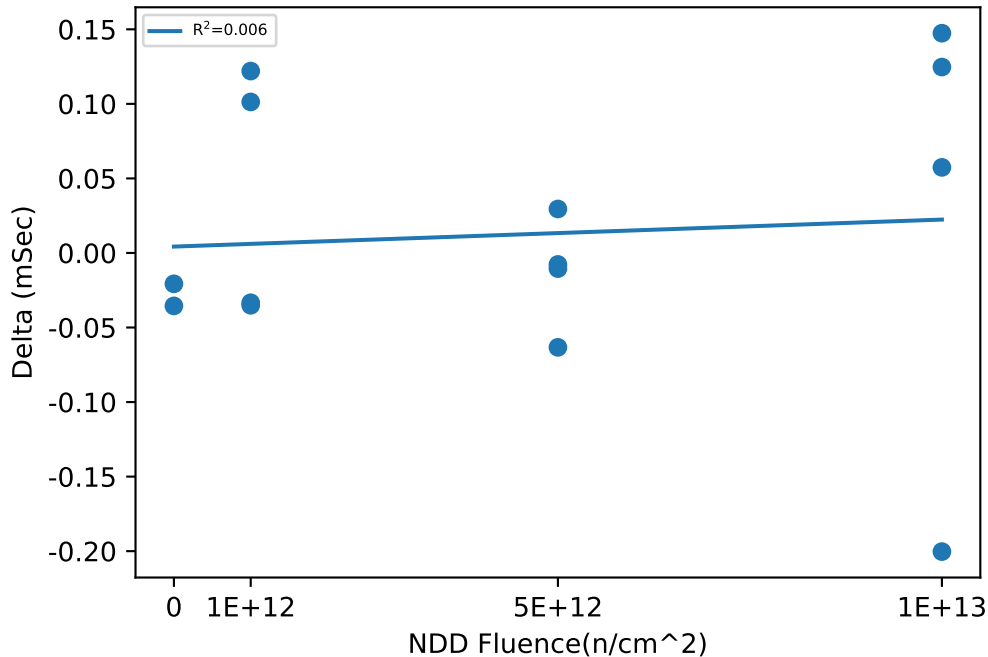
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.533	23.498	-0.0351
2	1e+12	NDD Unbiased	24.069	24.17	0.1013
3	1e+12	NDD Unbiased	23.543	23.665	0.122
4	1e+12	NDD Unbiased	23.505	23.471	-0.0334
5	5e+12	NDD Unbiased	23.335	23.365	0.0295
6	5e+12	NDD Unbiased	24.131	24.12	-0.0105
7	5e+12	NDD Unbiased	23.63	23.622	-0.0077
8	5e+12	NDD Unbiased	23.795	23.731	-0.0633
9	1e+13	NDD Unbiased	23.73	23.53	-0.2003
10	1e+13	NDD Unbiased	23.404	23.529	0.1247
11	1e+13	NDD Unbiased	23.376	23.433	0.0574
12	1e+13	NDD Unbiased	24.008	24.156	0.1474
53	0	Correlation	23.337	23.301	-0.0355
54	0	Correlation	23.254	23.233	-0.0207

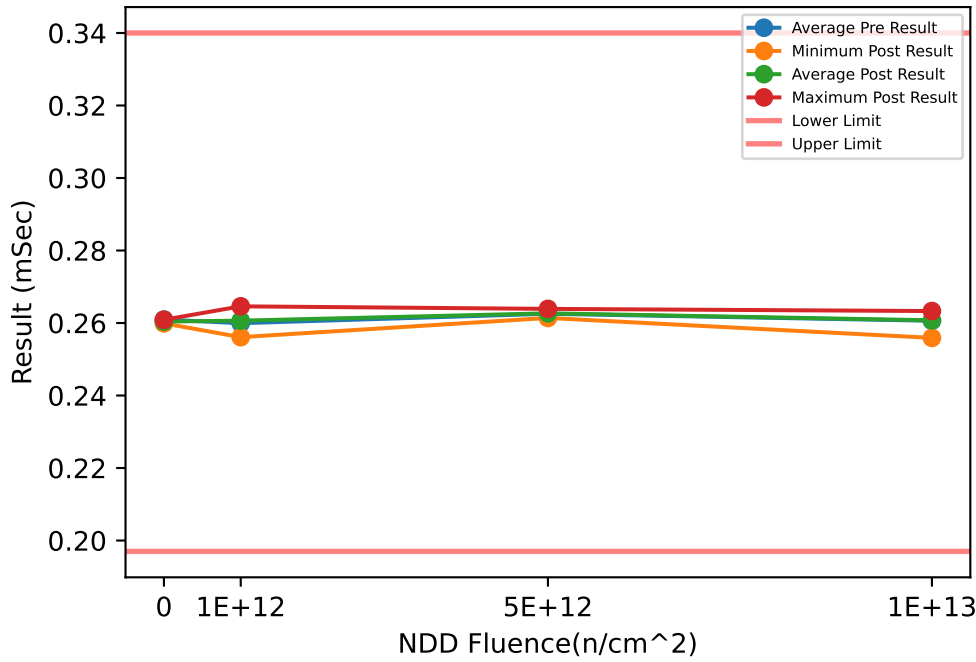
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.254	23.295	23.337	0.058266	23.233	23.267	23.301	0.0478	-0.0355	-0.0281	-0.0207	0.010465
1e+12	23.505	23.663	24.069	0.27147	23.471	23.701	24.17	0.32423	-0.0351	0.0387	0.122	0.084661
5e+12	23.335	23.723	24.131	0.33194	23.365	23.71	24.12	0.31402	-0.0633	-0.013	0.0295	0.038169
1e+13	23.376	23.63	24.008	0.29931	23.433	23.662	24.156	0.33229	-0.2003	0.0323	0.1474	0.15971

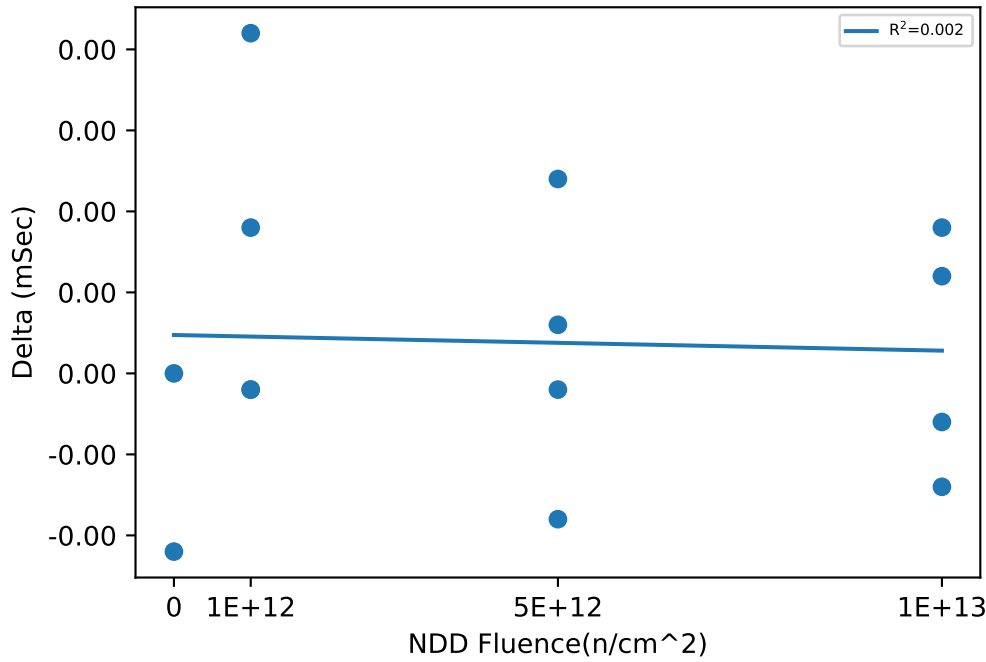
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2566	0.2587	0.0021
2	1e+12	NDD Unbiased	0.2633	0.2632	-0.0001
3	1e+12	NDD Unbiased	0.2647	0.2646	-0.0001
4	1e+12	NDD Unbiased	0.2552	0.2561	0.0009
5	5e+12	NDD Unbiased	0.2615	0.2614	-0.0001
6	5e+12	NDD Unbiased	0.2631	0.2634	0.0003
7	5e+12	NDD Unbiased	0.2629	0.262	-0.0009
8	5e+12	NDD Unbiased	0.2627	0.2639	0.0012
9	1e+13	NDD Unbiased	0.264	0.2633	-0.0007
10	1e+13	NDD Unbiased	0.255	0.2559	0.0009
11	1e+13	NDD Unbiased	0.2614	0.2611	-0.0003
12	1e+13	NDD Unbiased	0.2621	0.2627	0.0006
53	0	Correlation	0.262	0.2609	-0.0011
54	0	Correlation	0.2599	0.2599	0

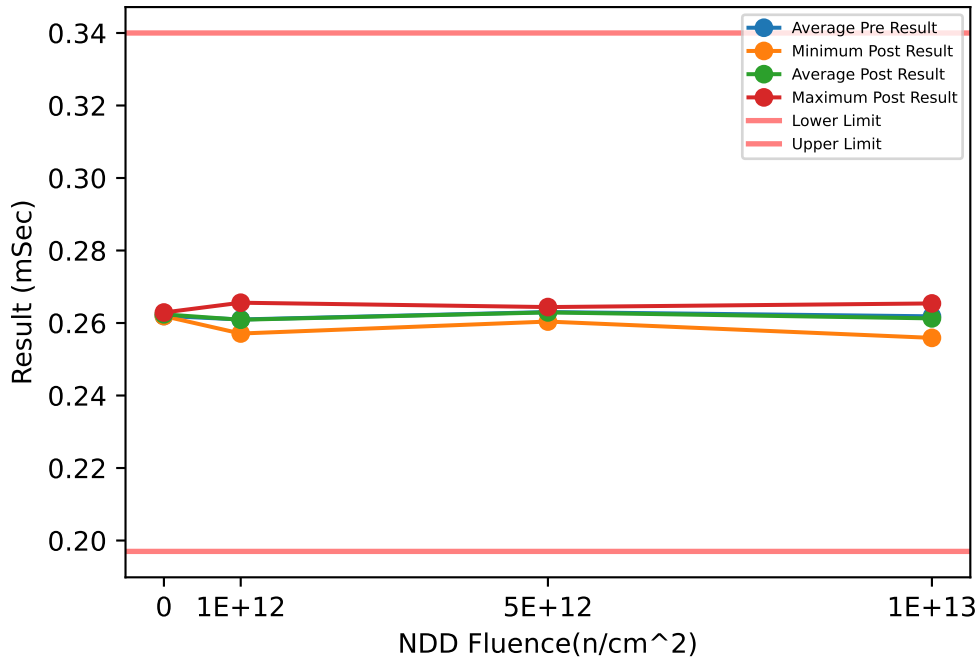
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2599	0.26095	0.262	0.0014849	0.2599	0.2604	0.2609	0.00070711	-0.0011	-0.00055	0	0.00077782
1e+12	0.2552	0.25995	0.2647	0.0047459	0.2561	0.26065	0.2646	0.0039417	-0.0001	0.0007	0.0021	0.0010456
5e+12	0.2615	0.26255	0.2631	0.0007188	0.2614	0.26267	0.2639	0.0011701	-0.0009	0.000125	0.0012	0.00087321
1e+13	0.255	0.26062	0.264	0.0039076	0.2559	0.26075	0.2633	0.003364	-0.0007	0.000125	0.0009	0.00075

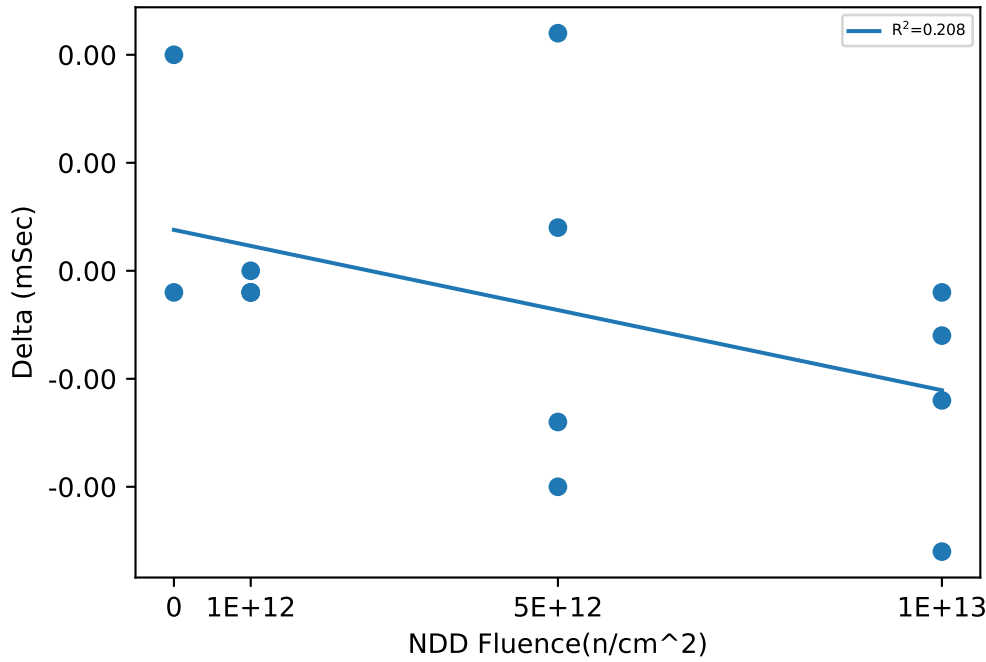
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2577	0.2577	0
2	1e+12	NDD Unbiased	0.2633	0.2632	-0.0001
3	1e+12	NDD Unbiased	0.2657	0.2656	-0.0001
4	1e+12	NDD Unbiased	0.2572	0.2571	-0.0001
5	5e+12	NDD Unbiased	0.2614	0.2604	-0.001
6	5e+12	NDD Unbiased	0.2651	0.2644	-0.0007
7	5e+12	NDD Unbiased	0.2619	0.263	0.0011
8	5e+12	NDD Unbiased	0.2637	0.2639	0.0002
9	1e+13	NDD Unbiased	0.266	0.2654	-0.0006
10	1e+13	NDD Unbiased	0.256	0.2559	-0.0001
11	1e+13	NDD Unbiased	0.2614	0.2611	-0.0003
12	1e+13	NDD Unbiased	0.264	0.2627	-0.0013
53	0	Correlation	0.262	0.2619	-0.0001
54	0	Correlation	0.2619	0.2629	0.001

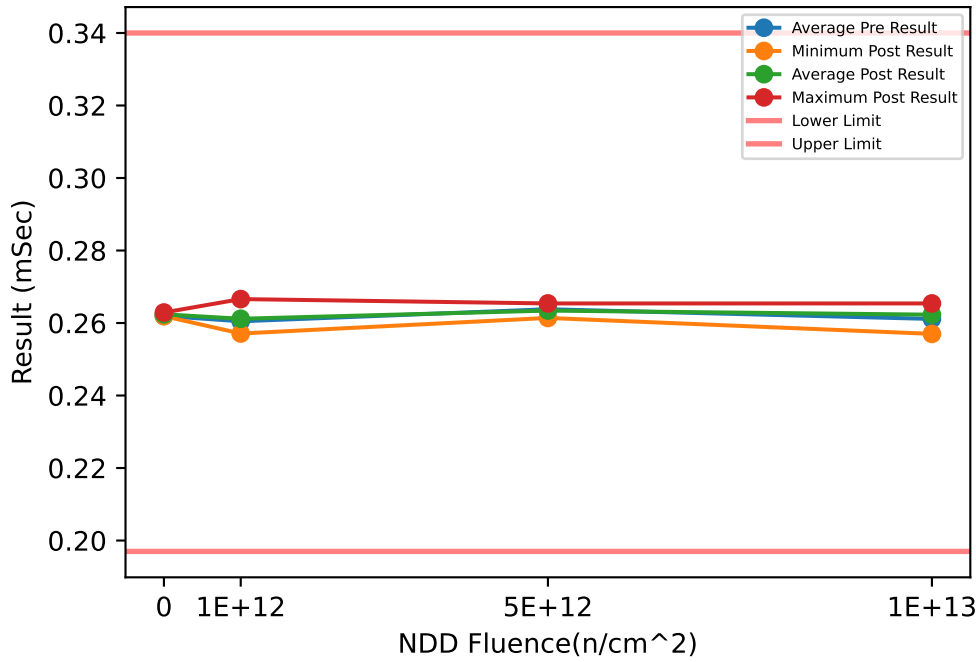
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2619	0.26195	0.262	7.0711e-05	0.2619	0.2624	0.2629	0.00070711	-0.0001	0.00045	0.001	0.00077782
1e+12	0.2572	0.26097	0.2657	0.0041916	0.2571	0.2609	0.2656	0.0041657	-0.0001	-7.5e-05	0	5e-05
5e+12	0.2614	0.26303	0.2651	0.0016998	0.2604	0.26293	0.2644	0.0017802	-0.001	-0.0001	0.0011	0.00094868
1e+13	0.256	0.26185	0.266	0.0043309	0.2559	0.26128	0.2654	0.0039986	-0.0013	-0.000575	-0.0001	0.0005252

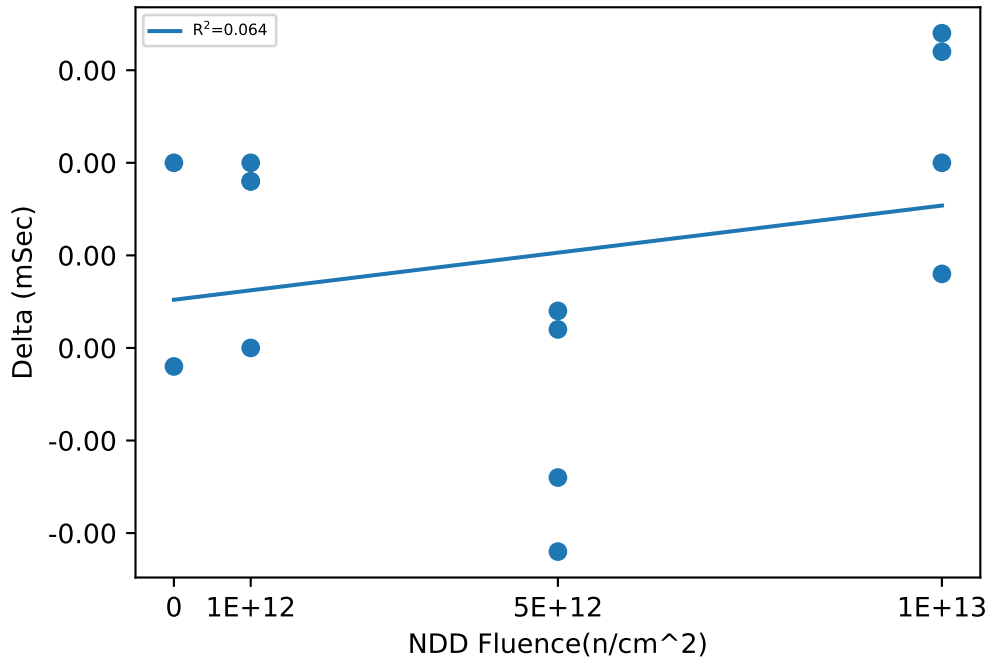
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2567	0.2577	0.001
2	1e+12	NDD Unbiased	0.2633	0.2633	0
3	1e+12	NDD Unbiased	0.2657	0.2666	0.0009
4	1e+12	NDD Unbiased	0.2562	0.2571	0.0009
5	5e+12	NDD Unbiased	0.2625	0.2614	-0.0011
6	5e+12	NDD Unbiased	0.2661	0.2654	-0.0007
7	5e+12	NDD Unbiased	0.2629	0.263	0.0001
8	5e+12	NDD Unbiased	0.2637	0.2639	0.0002
9	1e+13	NDD Unbiased	0.265	0.2654	0.0004
10	1e+13	NDD Unbiased	0.256	0.257	0.001
11	1e+13	NDD Unbiased	0.2604	0.2621	0.0017
12	1e+13	NDD Unbiased	0.2631	0.2647	0.0016
53	0	Correlation	0.263	0.2629	-0.0001
54	0	Correlation	0.2609	0.2619	0.001

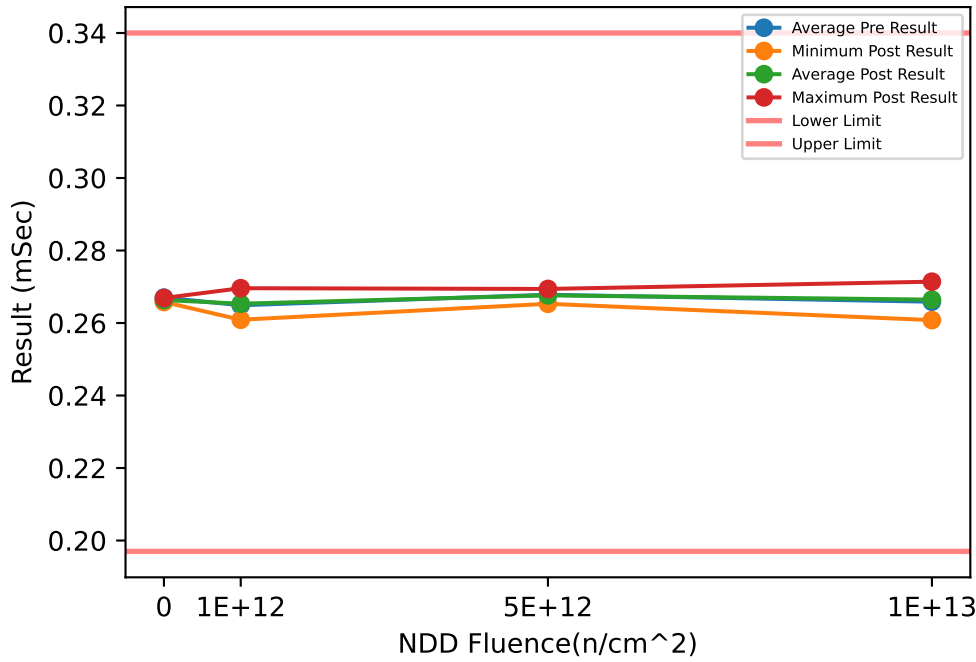
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2609	0.26195	0.263	0.0014849	0.2619	0.2624	0.2629	0.00070711	-0.0001	0.00045	0.001	0.00077782
1e+12	0.2562	0.26048	0.2657	0.0047542	0.2571	0.26117	0.2666	0.004569	0	0.0007	0.001	0.00046904
5e+12	0.2625	0.2638	0.2661	0.0016125	0.2614	0.26343	0.2654	0.0016741	-0.0011	-0.000375	0.0002	0.00062915
1e+13	0.256	0.26112	0.265	0.0039033	0.257	0.2623	0.2654	0.0038079	0.0004	0.001175	0.0017	0.00060208

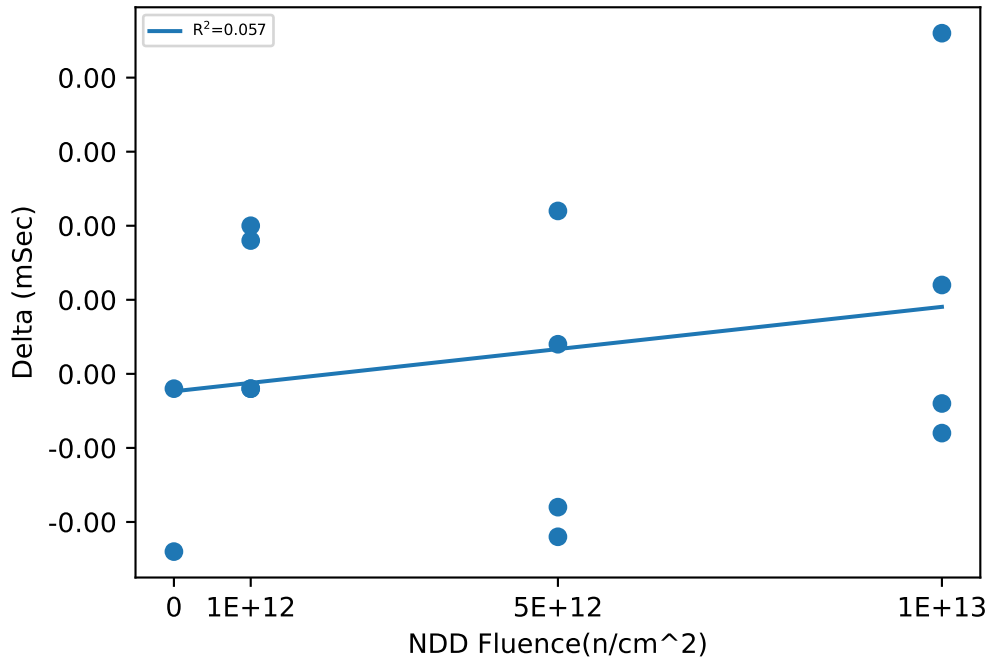
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2615	0.2625	0.001
2	1e+12	NDD Unbiased	0.2684	0.2683	-0.0001
3	1e+12	NDD Unbiased	0.2697	0.2696	-0.0001
4	1e+12	NDD Unbiased	0.26	0.2609	0.0009
5	5e+12	NDD Unbiased	0.2664	0.2653	-0.0011
6	5e+12	NDD Unbiased	0.2692	0.2694	0.0002
7	5e+12	NDD Unbiased	0.2668	0.2679	0.0011
8	5e+12	NDD Unbiased	0.2688	0.2679	-0.0009
9	1e+13	NDD Unbiased	0.2691	0.2714	0.0023
10	1e+13	NDD Unbiased	0.261	0.2608	-0.0002
11	1e+13	NDD Unbiased	0.2654	0.266	0.0006
12	1e+13	NDD Unbiased	0.268	0.2676	-0.0004
53	0	Correlation	0.2681	0.2669	-0.0012
54	0	Correlation	0.2659	0.2658	-0.0001

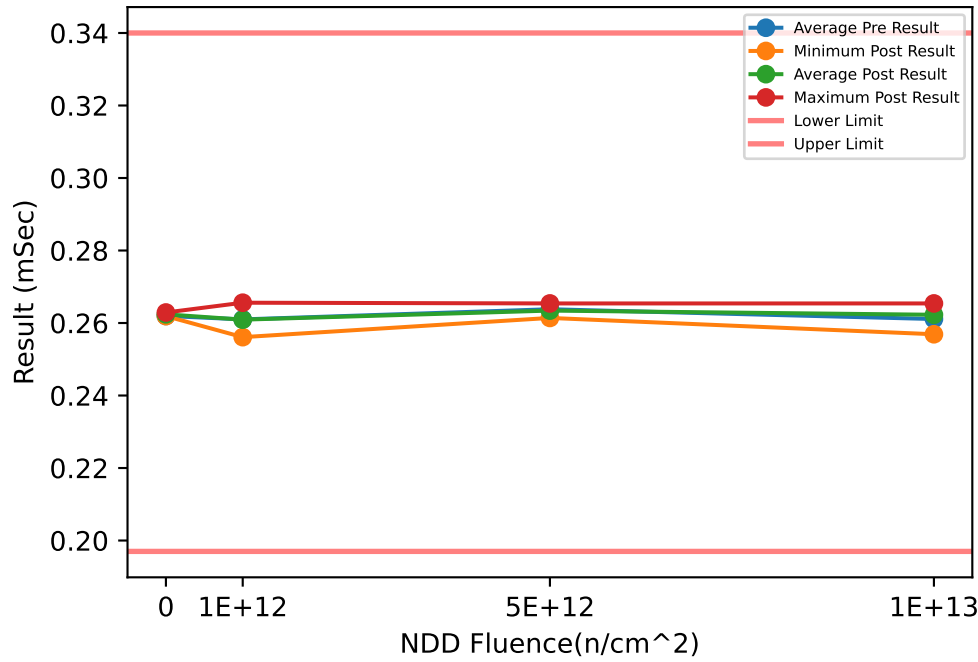
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2659	0.267	0.2681	0.0015556	0.2658	0.26635	0.2669	0.00077782	-0.0012	-0.00065	-0.0001	0.00077782
1e+12	0.26	0.2649	0.2697	0.00486	0.2609	0.26533	0.2696	0.0042696	-0.0001	0.000425	0.001	0.00060759
5e+12	0.2664	0.2678	0.2692	0.0014048	0.2653	0.26763	0.2694	0.0017037	-0.0011	-0.000175	0.0011	0.0010243
1e+13	0.261	0.26588	0.2691	0.0036013	0.2608	0.26645	0.2714	0.0043951	-0.0004	0.000575	0.0023	0.0012285

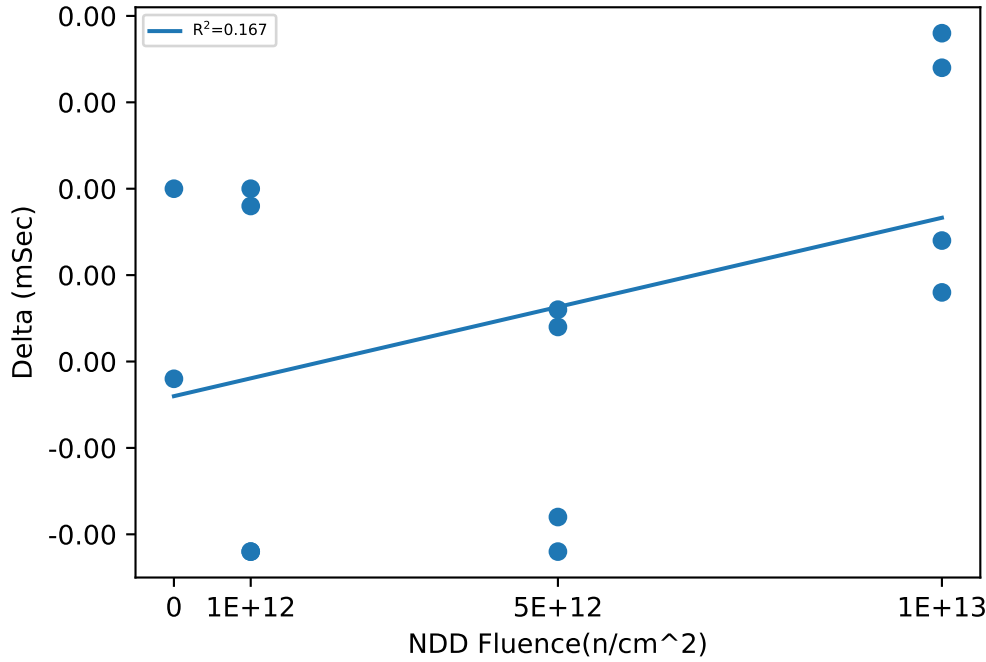
NDD vs Result Stats



Test Results (Lower Limit = 0.197, Upper Limit = 0.34 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.2577	0.2587	0.001
2	1e+12	NDD Unbiased	0.2644	0.2633	-0.0011
3	1e+12	NDD Unbiased	0.2667	0.2656	-0.0011
4	1e+12	NDD Unbiased	0.2552	0.2561	0.0009
5	5e+12	NDD Unbiased	0.2625	0.2614	-0.0011
6	5e+12	NDD Unbiased	0.2651	0.2654	0.0003
7	5e+12	NDD Unbiased	0.2639	0.263	-0.0009
8	5e+12	NDD Unbiased	0.2637	0.2639	0.0002
9	1e+13	NDD Unbiased	0.265	0.2654	0.0004
10	1e+13	NDD Unbiased	0.255	0.2569	0.0019
11	1e+13	NDD Unbiased	0.2614	0.2631	0.0017
12	1e+13	NDD Unbiased	0.263	0.2637	0.0007
53	0	Correlation	0.263	0.2629	-0.0001
54	0	Correlation	0.2609	0.2619	0.001

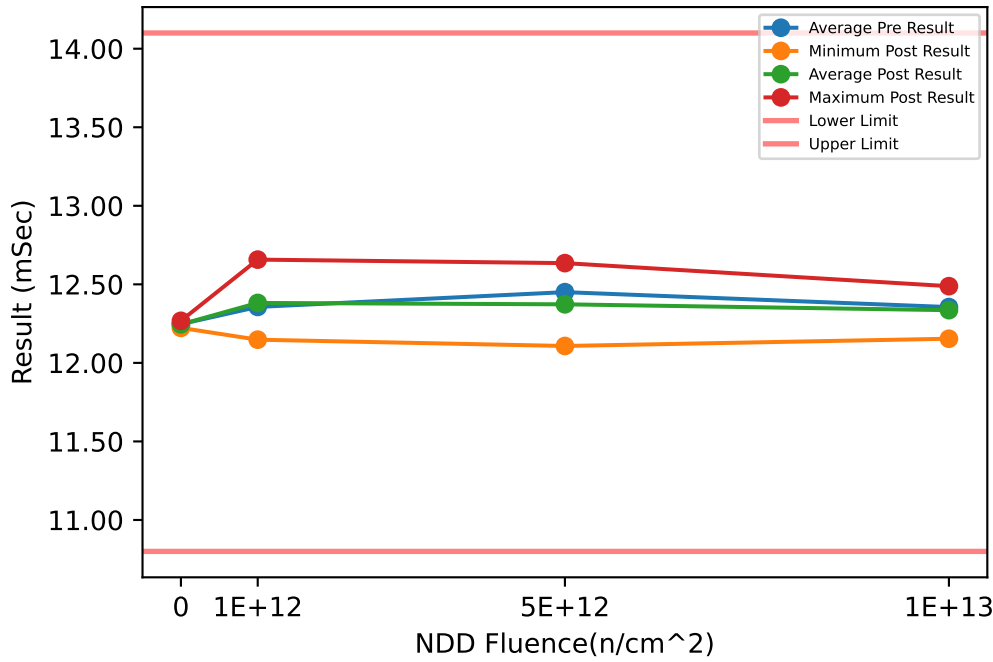
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2609	0.26195	0.263	0.0014849	0.2619	0.2624	0.2629	0.00070711	-0.0001	0.00045	0.001	0.00077782
1e+12	0.2552	0.261	0.2667	0.0054338	0.2561	0.26092	0.2656	0.00431	-0.0011	-7.5e-05	0.001	0.0011843
5e+12	0.2625	0.2638	0.2651	0.0010646	0.2614	0.26343	0.2654	0.0016741	-0.0011	-0.000375	0.0003	0.00072744
1e+13	0.255	0.2611	0.265	0.0043251	0.2569	0.26228	0.2654	0.0037134	0.0004	0.001175	0.0019	0.00073655

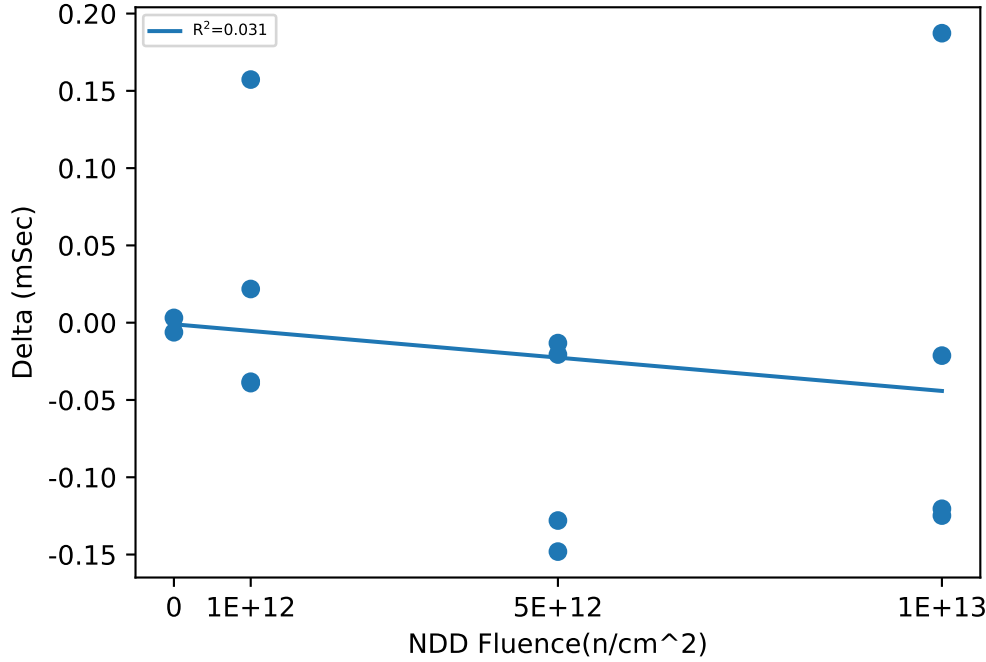
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.187	12.148	-0.0391
2	1e+12	NDD Unbiased	12.636	12.657	0.0218
3	1e+12	NDD Unbiased	12.274	12.431	0.1573
4	1e+12	NDD Unbiased	12.329	12.29	-0.0382
5	5e+12	NDD Unbiased	12.256	12.108	-0.1481
6	5e+12	NDD Unbiased	12.656	12.635	-0.0206
7	5e+12	NDD Unbiased	12.393	12.265	-0.128
8	5e+12	NDD Unbiased	12.497	12.484	-0.0132
9	1e+13	NDD Unbiased	12.452	12.431	-0.0213
10	1e+13	NDD Unbiased	12.082	12.269	0.1873
11	1e+13	NDD Unbiased	12.279	12.154	-0.1248
12	1e+13	NDD Unbiased	12.609	12.488	-0.1204
53	0	Correlation	12.274	12.268	-0.0062
54	0	Correlation	12.22	12.223	0.0031

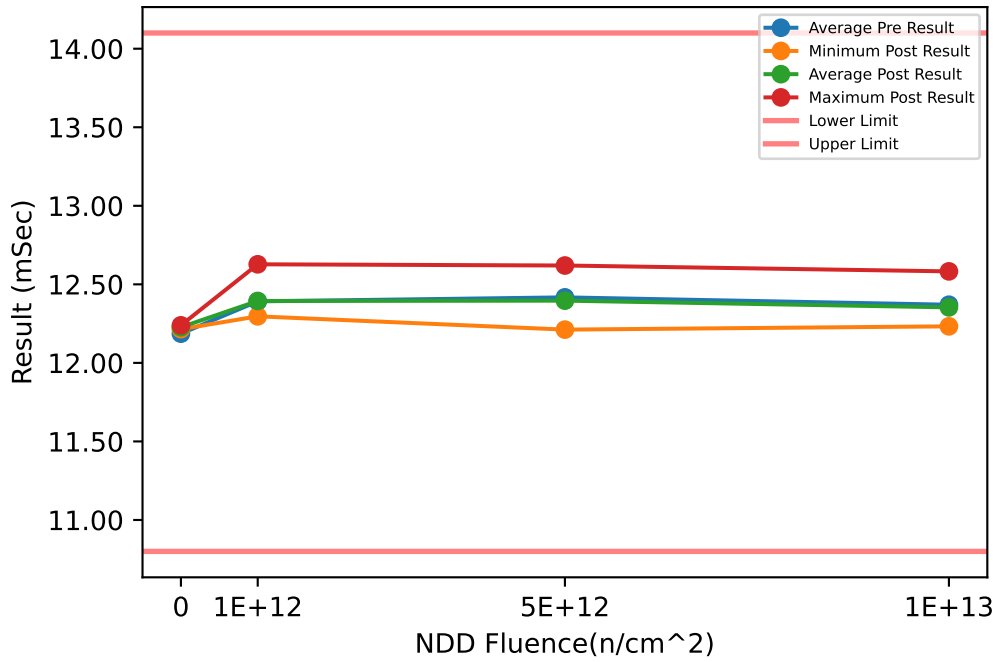
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.22	12.247	12.274	0.038325	12.223	12.245	12.268	0.031749	-0.0062	-0.00155	0.0031	0.0065761
1e+12	12.187	12.356	12.636	0.1952	12.148	12.382	12.657	0.21721	-0.0391	0.02545	0.1573	0.092404
5e+12	12.256	12.45	12.656	0.16891	12.108	12.373	12.635	0.23324	-0.1481	-0.077475	-0.0132	0.07049
1e+13	12.082	12.355	12.609	0.22664	12.154	12.336	12.488	0.15255	-0.1248	-0.0198	0.1873	0.1461

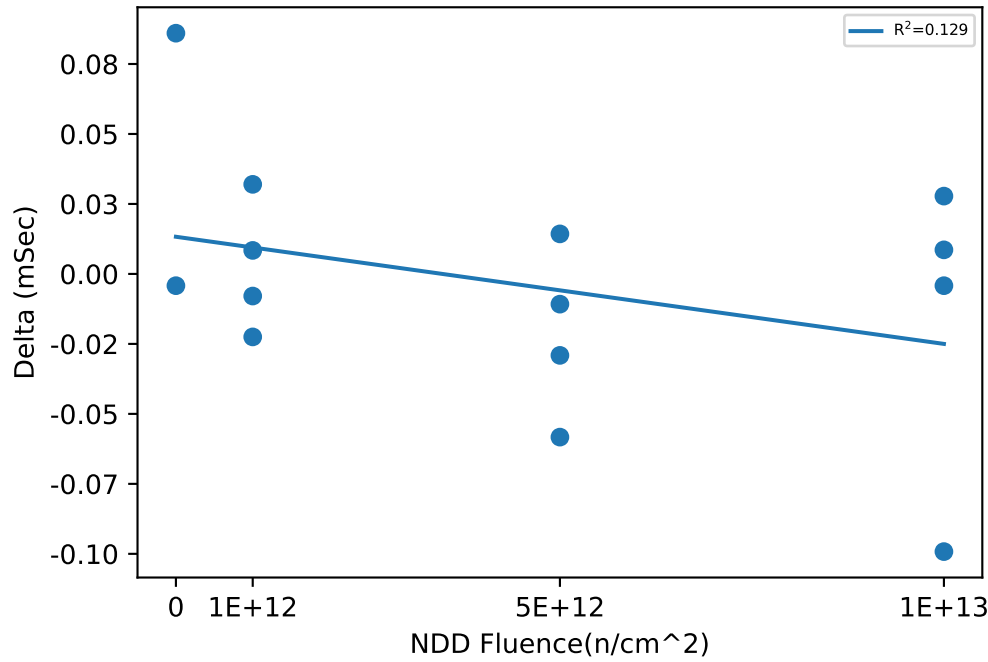
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.319	12.296	-0.0225
2	1e+12	NDD Unbiased	12.596	12.628	0.032
3	1e+12	NDD Unbiased	12.357	12.349	-0.0079
4	1e+12	NDD Unbiased	12.295	12.303	0.0084
5	5e+12	NDD Unbiased	12.197	12.212	0.0143
6	5e+12	NDD Unbiased	12.649	12.62	-0.0291
7	5e+12	NDD Unbiased	12.344	12.334	-0.0108
8	5e+12	NDD Unbiased	12.478	12.419	-0.0583
9	1e+13	NDD Unbiased	12.445	12.345	-0.0992
10	1e+13	NDD Unbiased	12.237	12.233	-0.0042
11	1e+13	NDD Unbiased	12.226	12.253	0.0278
12	1e+13	NDD Unbiased	12.574	12.583	0.0086
53	0	Correlation	12.219	12.215	-0.0042
54	0	Correlation	12.153	12.239	0.086

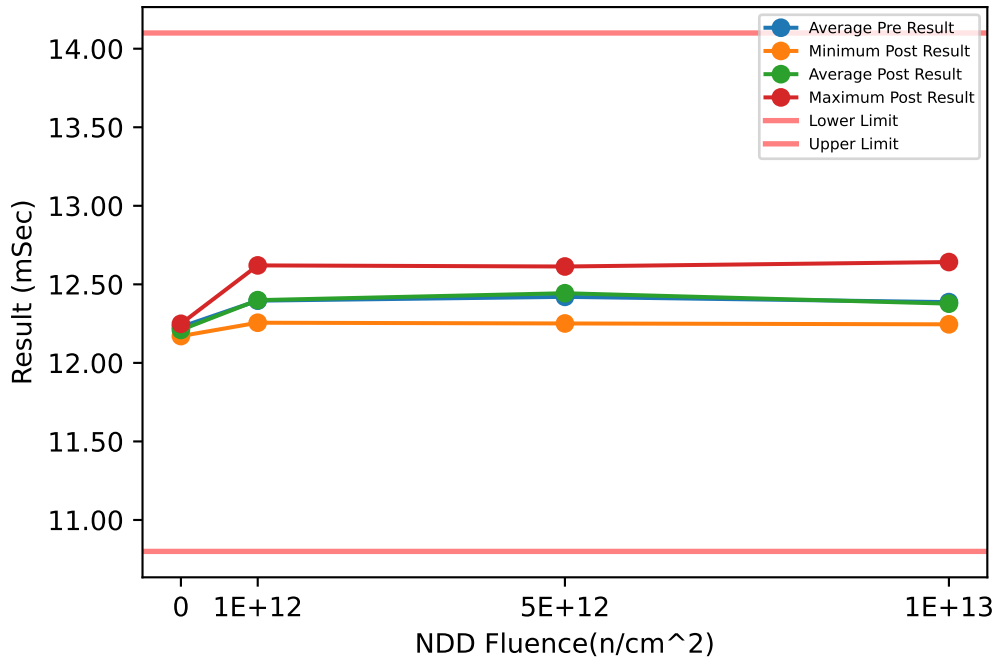
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.153	12.186	12.219	0.046669	12.215	12.227	12.239	0.017112	-0.0042	0.0409	0.086	0.063781
1e+12	12.295	12.392	12.596	0.13834	12.296	12.394	12.628	0.15738	-0.0225	0.0025	0.032	0.023368
5e+12	12.197	12.417	12.649	0.19234	12.212	12.396	12.62	0.17177	-0.0583	-0.020975	0.0143	0.030589
1e+13	12.226	12.37	12.574	0.16906	12.233	12.354	12.583	0.16038	-0.0992	-0.01675	0.0278	0.056518

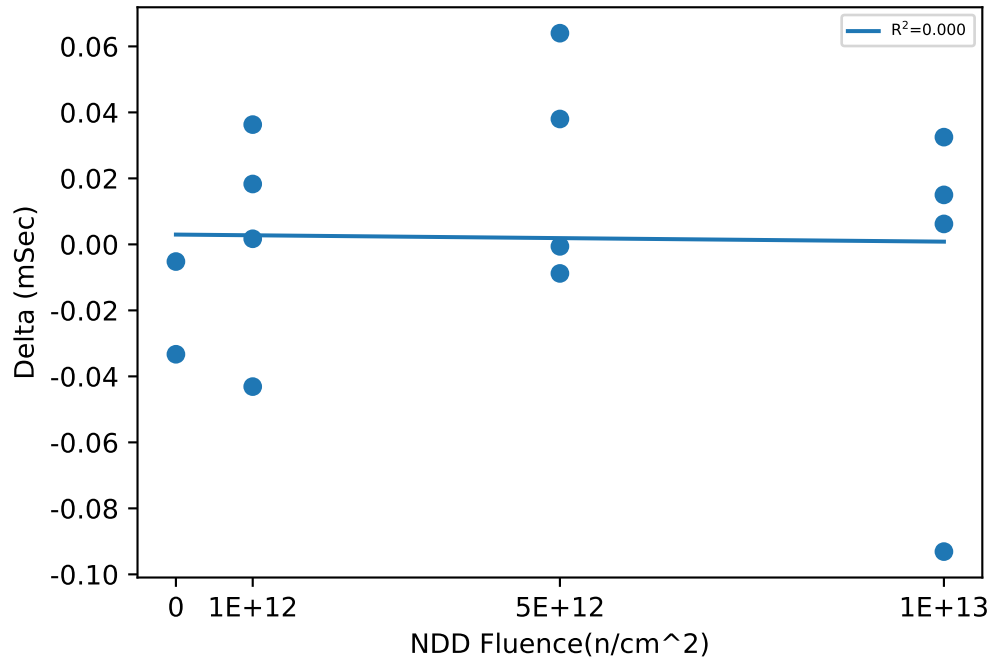
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.266	12.284	0.0183
2	1e+12	NDD Unbiased	12.584	12.621	0.0363
3	1e+12	NDD Unbiased	12.435	12.437	0.0017
4	1e+12	NDD Unbiased	12.299	12.256	-0.0431
5	5e+12	NDD Unbiased	12.252	12.251	-0.0006
6	5e+12	NDD Unbiased	12.622	12.614	-0.0088
7	5e+12	NDD Unbiased	12.384	12.422	0.038
8	5e+12	NDD Unbiased	12.423	12.487	0.064
9	1e+13	NDD Unbiased	12.438	12.345	-0.0931
10	1e+13	NDD Unbiased	12.243	12.275	0.0325
11	1e+13	NDD Unbiased	12.23	12.245	0.015
12	1e+13	NDD Unbiased	12.636	12.642	0.0062
53	0	Correlation	12.254	12.249	-0.0052
54	0	Correlation	12.204	12.171	-0.0333

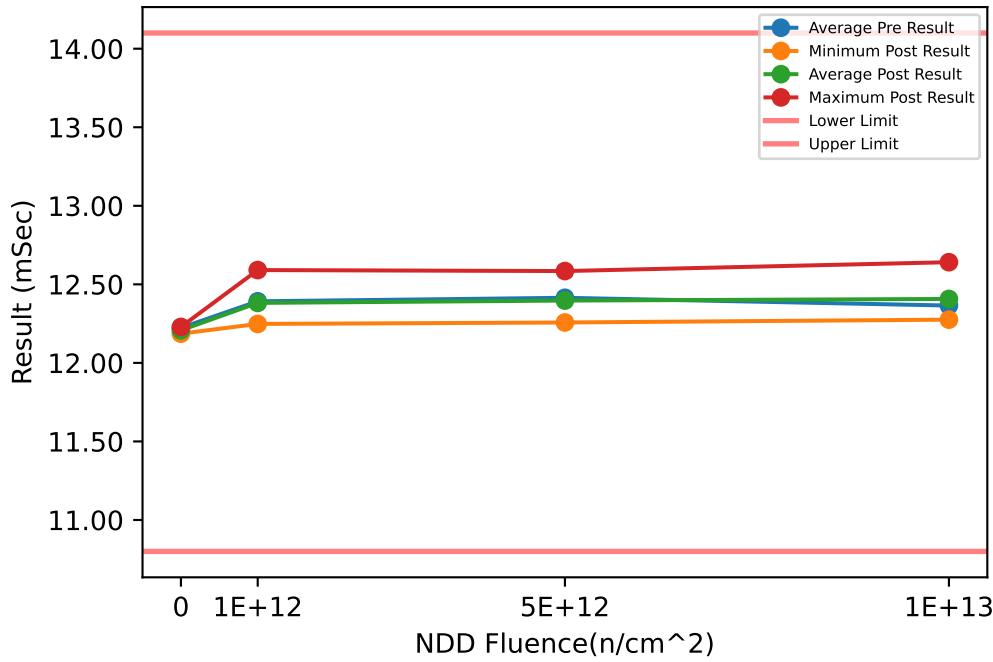
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.204	12.229	12.254	0.035285	12.171	12.21	12.249	0.055154	-0.0333	-0.01925	-0.0052	0.01987
1e+12	12.266	12.396	12.584	0.14528	12.256	12.399	12.621	0.16754	-0.0431	0.0033	0.0363	0.034007
5e+12	12.252	12.42	12.622	0.15344	12.251	12.443	12.614	0.15096	-0.0088	0.02315	0.064	0.03403
1e+13	12.23	12.387	12.636	0.19133	12.245	12.377	12.642	0.1815	-0.0931	-0.00985	0.0325	0.056566

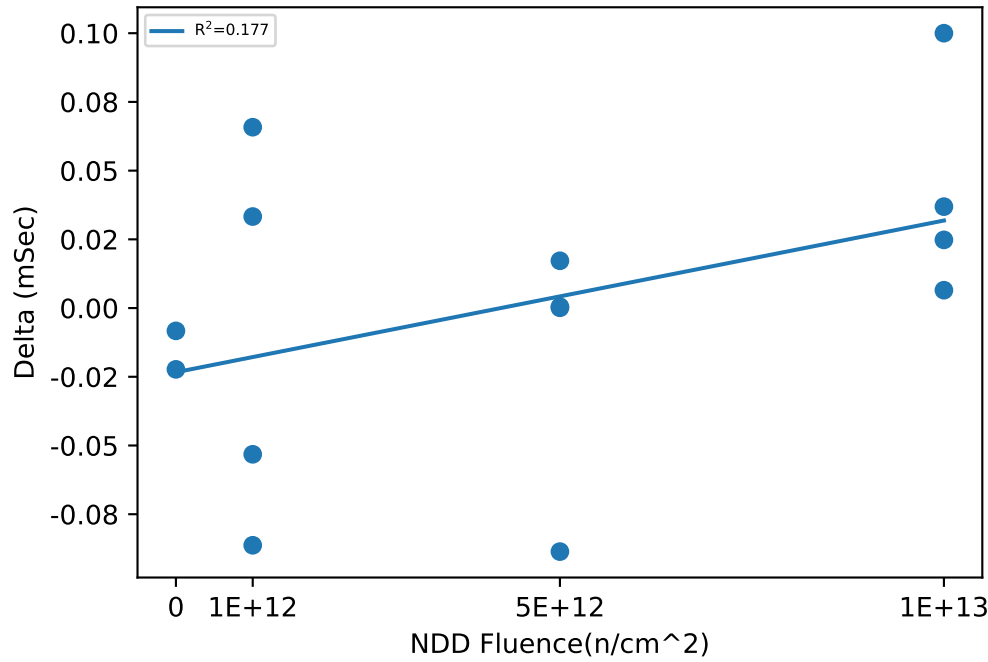
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.249	12.315	0.0658
2	1e+12	NDD Unbiased	12.557	12.591	0.0333
3	1e+12	NDD Unbiased	12.427	12.374	-0.0532
4	1e+12	NDD Unbiased	12.334	12.248	-0.0863
5	5e+12	NDD Unbiased	12.24	12.257	0.0172
6	5e+12	NDD Unbiased	12.585	12.585	0.0001
7	5e+12	NDD Unbiased	12.348	12.349	0.0005
8	5e+12	NDD Unbiased	12.485	12.396	-0.0886
9	1e+13	NDD Unbiased	12.41	12.417	0.0065
10	1e+13	NDD Unbiased	12.175	12.275	0.1
11	1e+13	NDD Unbiased	12.271	12.295	0.0248
12	1e+13	NDD Unbiased	12.604	12.641	0.0369
53	0	Correlation	12.251	12.229	-0.0223
54	0	Correlation	12.194	12.186	-0.0083

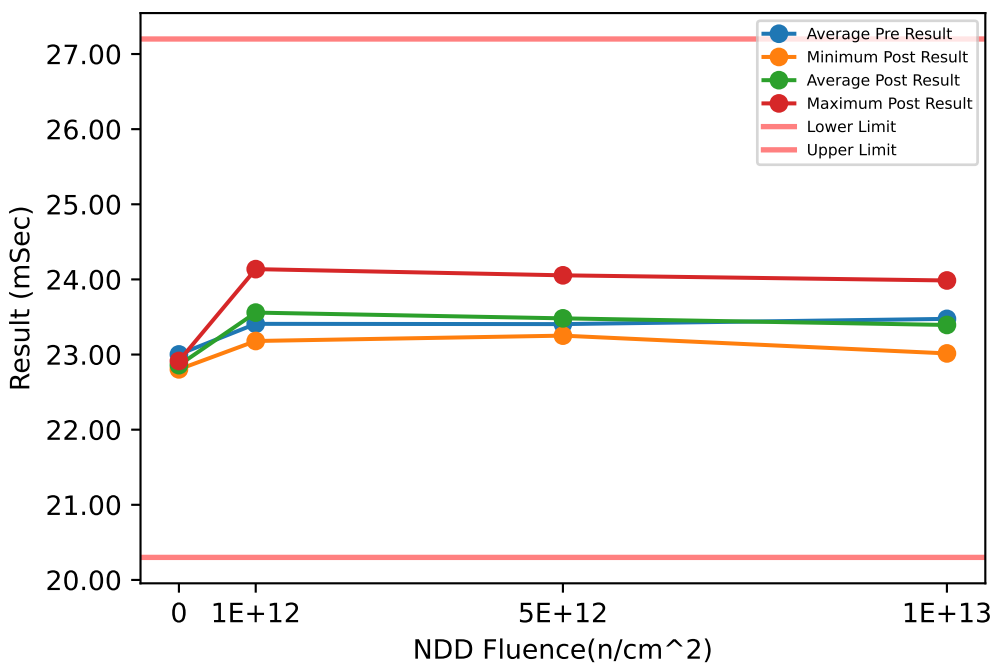
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.194	12.223	12.251	0.040164	12.186	12.207	12.229	0.030264	-0.0223	-0.0153	-0.0083	0.0098995
1e+12	12.249	12.392	12.557	0.13214	12.248	12.382	12.591	0.14846	-0.0863	-0.0101	0.0658	0.071434
5e+12	12.24	12.414	12.585	0.1513	12.257	12.397	12.585	0.13791	-0.0886	-0.0177	0.0172	0.047934
1e+13	12.175	12.365	12.604	0.18631	12.275	12.407	12.641	0.168	0.0065	0.04205	0.1	0.040604

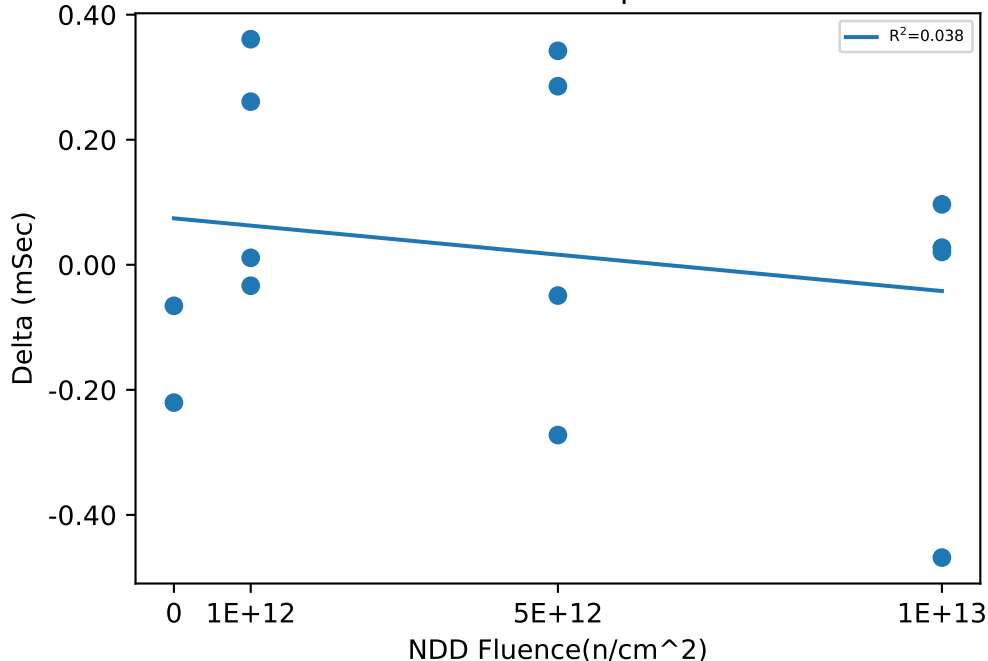
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.51	23.477	-0.0335
2	1e+12	NDD Unbiased	23.776	24.137	0.3608
3	1e+12	NDD Unbiased	23.179	23.44	0.2609
4	1e+12	NDD Unbiased	23.169	23.18	0.0111
5	5e+12	NDD Unbiased	22.91	23.252	0.3422
6	5e+12	NDD Unbiased	23.769	24.055	0.2856
7	5e+12	NDD Unbiased	23.549	23.277	-0.2723
8	5e+12	NDD Unbiased	23.393	23.344	-0.0492
9	1e+13	NDD Unbiased	23.65	23.181	-0.4683
10	1e+13	NDD Unbiased	23.296	23.393	0.0967
11	1e+13	NDD Unbiased	22.994	23.015	0.0205
12	1e+13	NDD Unbiased	23.959	23.986	0.0274
53	0	Correlation	23.135	22.914	-0.2204
54	0	Correlation	22.869	22.803	-0.0656

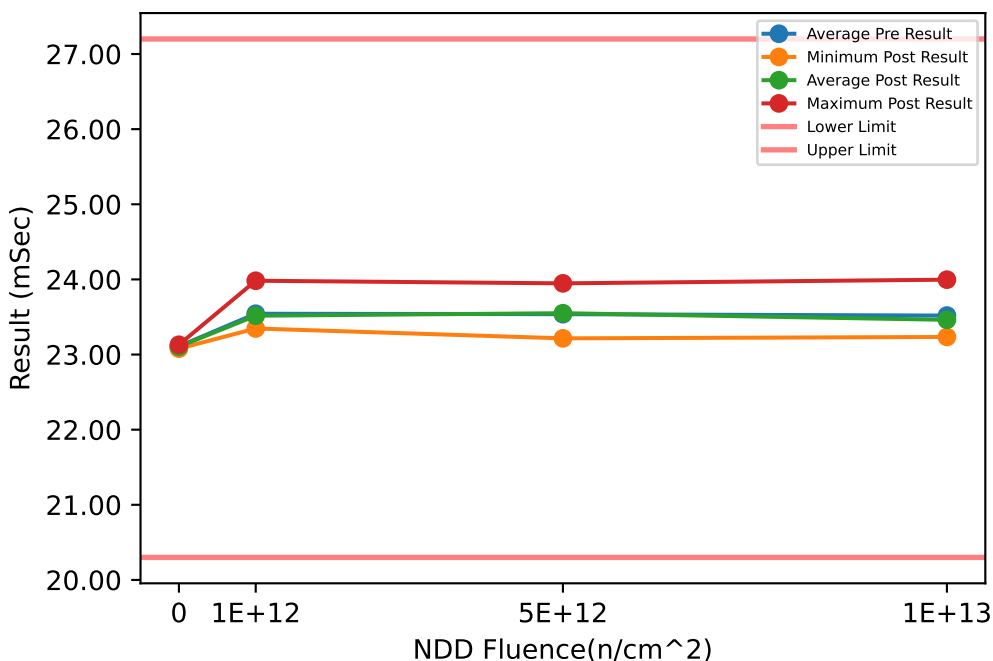
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	22.869	23.002	23.135	0.1883	22.803	22.859	22.914	0.078842	-0.2204	-0.143	-0.0656	0.10946
1e+12	23.169	23.409	23.776	0.29179	23.18	23.558	24.137	0.40759	-0.0335	0.14983	0.3608	0.19122
5e+12	22.91	23.405	23.769	0.36461	23.252	23.482	24.055	0.38382	-0.2723	0.076575	0.3422	0.2897
1e+13	22.994	23.475	23.959	0.41921	23.015	23.394	23.986	0.42399	-0.4683	-0.080925	0.0967	0.26053

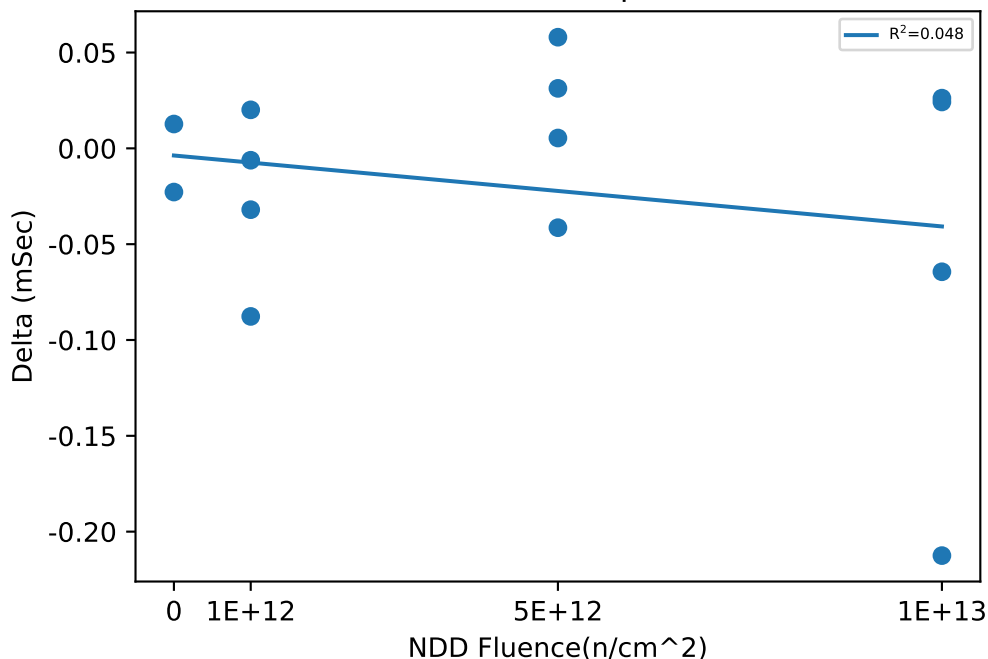
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.349	23.369	0.0201
2	1e+12	NDD Unbiased	24.07	23.982	-0.0877
3	1e+12	NDD Unbiased	23.401	23.369	-0.032
4	1e+12	NDD Unbiased	23.353	23.347	-0.0062
5	5e+12	NDD Unbiased	23.157	23.215	0.058
6	5e+12	NDD Unbiased	23.942	23.948	0.0054
7	5e+12	NDD Unbiased	23.439	23.47	0.0313
8	5e+12	NDD Unbiased	23.61	23.568	-0.0414
9	1e+13	NDD Unbiased	23.562	23.349	-0.2125
10	1e+13	NDD Unbiased	23.298	23.234	-0.0644
11	1e+13	NDD Unbiased	23.245	23.269	0.0242
12	1e+13	NDD Unbiased	23.97	23.997	0.0262
53	0	Correlation	23.153	23.13	-0.0228
54	0	Correlation	23.066	23.079	0.0127

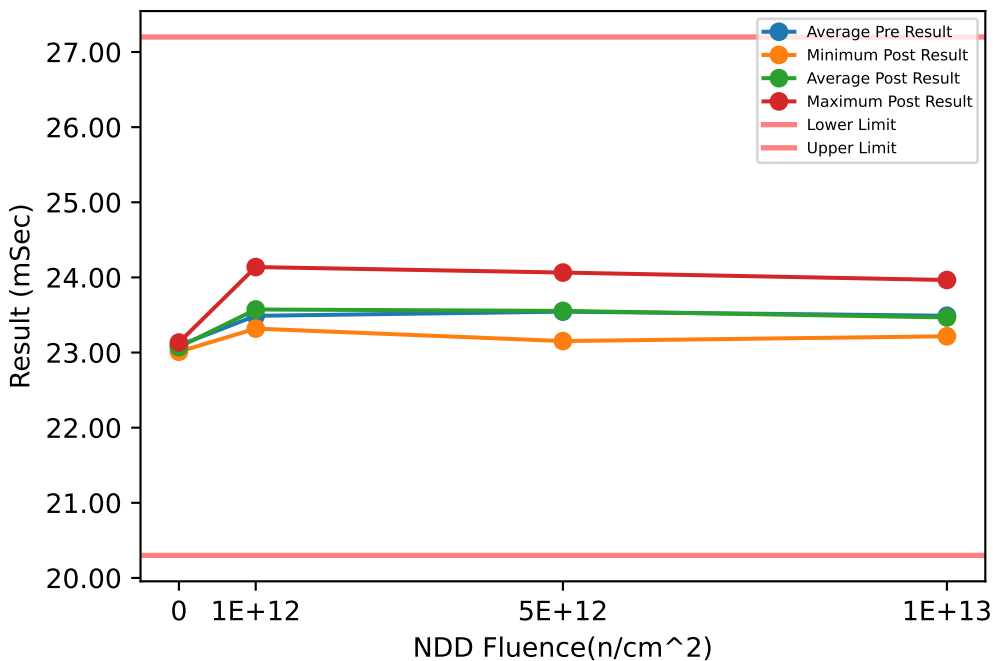
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.066	23.11	23.153	0.06173	23.079	23.105	23.13	0.036628	-0.0228	-0.00505	0.0127	0.025102
1e+12	23.349	23.543	24.07	0.35205	23.347	23.517	23.982	0.31059	-0.0877	-0.02645	0.0201	0.046041
5e+12	23.157	23.537	23.942	0.32825	23.215	23.55	23.948	0.30375	-0.0414	0.013325	0.058	0.042334
1e+13	23.245	23.519	23.97	0.33132	23.234	23.462	23.997	0.35948	-0.2125	-0.056625	0.0262	0.11218

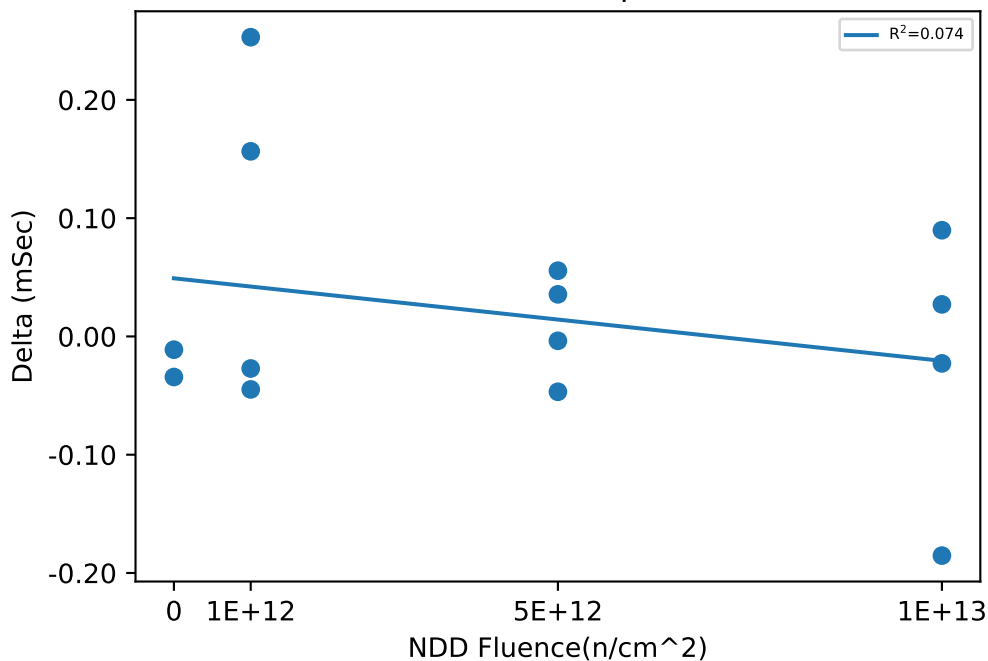
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.357	23.33	-0.0271
2	1e+12	NDD Unbiased	23.885	24.138	0.253
3	1e+12	NDD Unbiased	23.349	23.506	0.1565
4	1e+12	NDD Unbiased	23.364	23.319	-0.0448
5	5e+12	NDD Unbiased	23.097	23.153	0.0556
6	5e+12	NDD Unbiased	24.111	24.065	-0.0468
7	5e+12	NDD Unbiased	23.409	23.445	0.0356
8	5e+12	NDD Unbiased	23.559	23.556	-0.0037
9	1e+13	NDD Unbiased	23.53	23.345	-0.1853
10	1e+13	NDD Unbiased	23.252	23.342	0.0898
11	1e+13	NDD Unbiased	23.189	23.216	0.0271
12	1e+13	NDD Unbiased	23.988	23.965	-0.0228
53	0	Correlation	23.144	23.133	-0.0112
54	0	Correlation	23.045	23.011	-0.0343

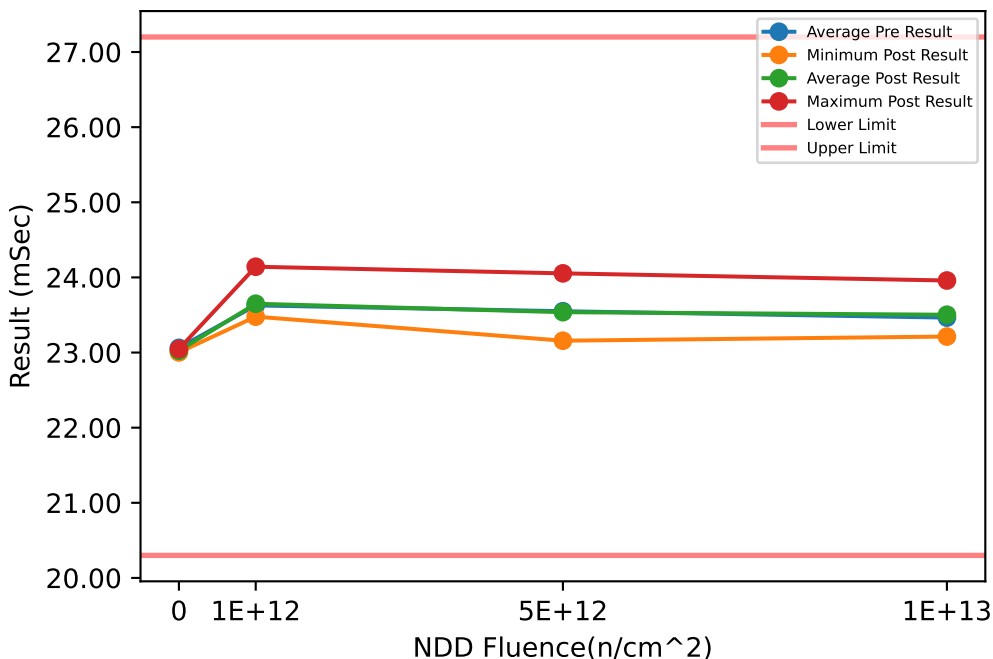
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.045	23.095	23.144	0.070216	23.011	23.072	23.133	0.08655	-0.0343	-0.02275	-0.0112	0.016334
1e+12	23.349	23.489	23.885	0.26408	23.319	23.573	24.138	0.38602	-0.0448	0.0844	0.253	0.14463
5e+12	23.097	23.544	24.111	0.42425	23.153	23.555	24.065	0.38017	-0.0468	0.010175	0.0556	0.045272
1e+13	23.189	23.49	23.988	0.36386	23.216	23.467	23.965	0.33769	-0.1853	-0.0228	0.0898	0.11772

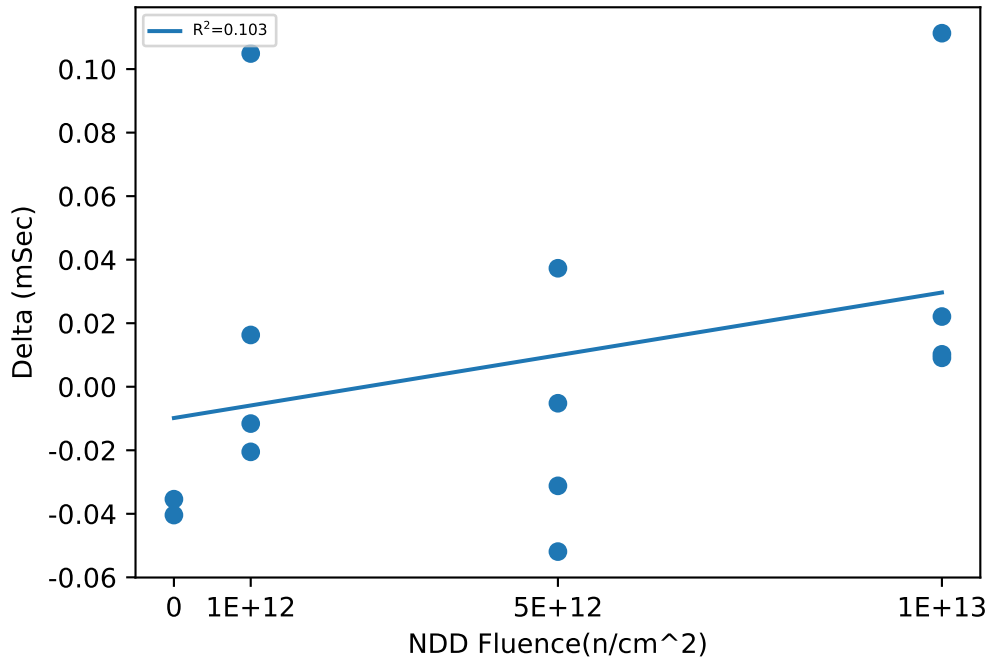
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.483	23.5	0.0163
2	1e+12	NDD Unbiased	24.037	24.142	0.1049
3	1e+12	NDD Unbiased	23.498	23.478	-0.0205
4	1e+12	NDD Unbiased	23.491	23.479	-0.0116
5	5e+12	NDD Unbiased	23.12	23.158	0.0373
6	5e+12	NDD Unbiased	24.106	24.054	-0.0519
7	5e+12	NDD Unbiased	23.419	23.413	-0.0052
8	5e+12	NDD Unbiased	23.555	23.524	-0.0312
9	1e+13	NDD Unbiased	23.496	23.506	0.0091
10	1e+13	NDD Unbiased	23.224	23.336	0.1113
11	1e+13	NDD Unbiased	23.191	23.213	0.0221
12	1e+13	NDD Unbiased	23.949	23.959	0.0102
53	0	Correlation	23.088	23.047	-0.0404
54	0	Correlation	23.037	23.002	-0.0354

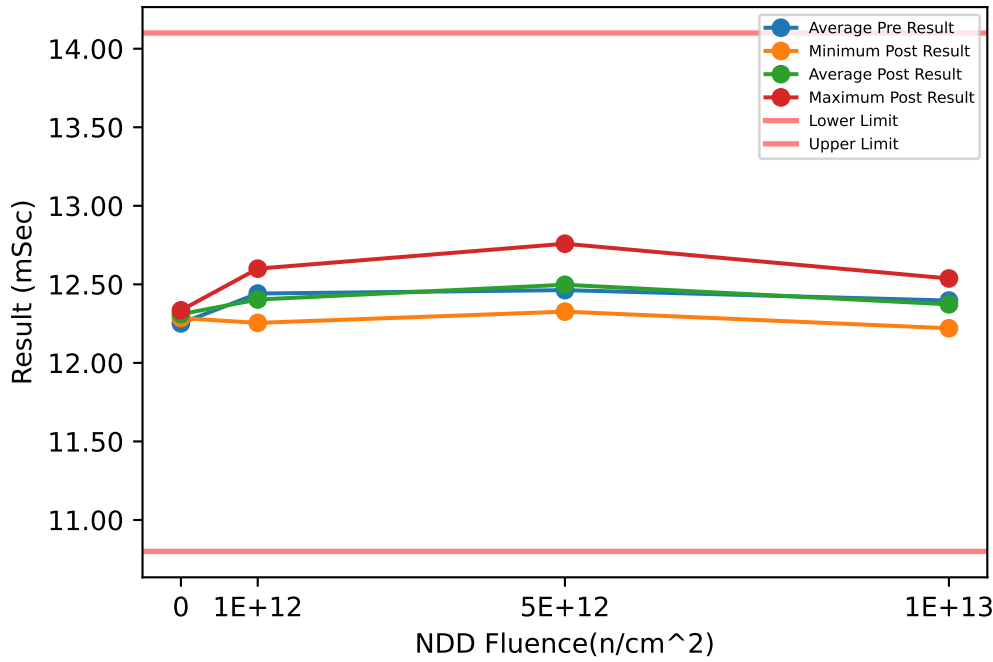
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.037	23.062	23.088	0.03578	23.002	23.025	23.047	0.032244	-0.0404	-0.0379	-0.0354	0.0035355
1e+12	23.483	23.627	24.037	0.27332	23.478	23.65	24.142	0.32848	-0.0205	0.022275	0.1049	0.057271
5e+12	23.12	23.55	24.106	0.41271	23.158	23.537	24.054	0.37714	-0.0519	-0.01275	0.0373	0.03845
1e+13	23.191	23.465	23.949	0.35023	23.213	23.503	23.959	0.32658	0.0091	0.038175	0.1113	0.049104

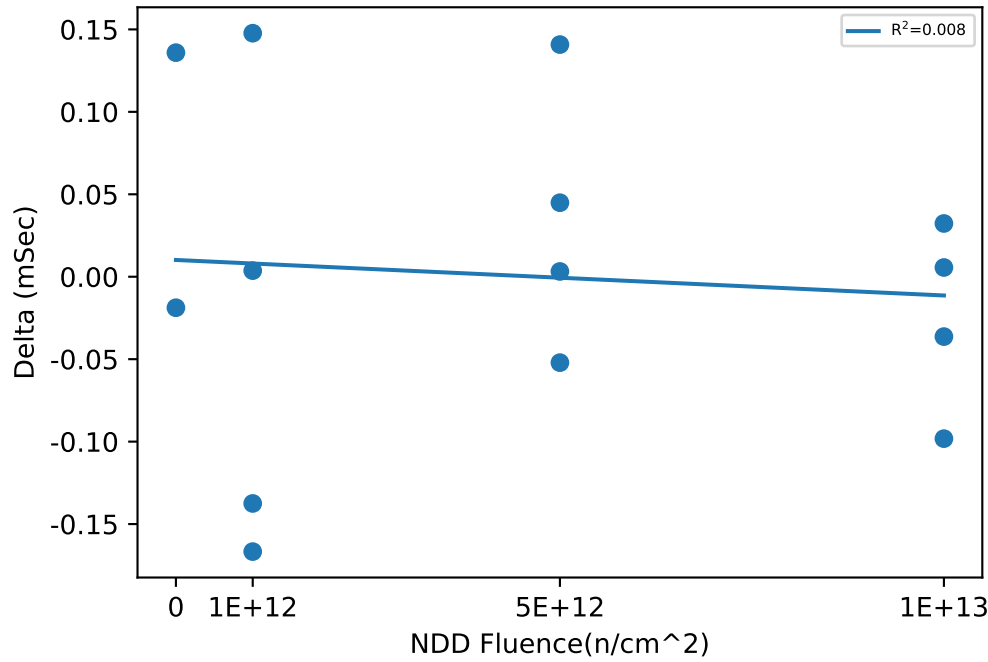
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.396	12.258	-0.1375
2	1e+12	NDD Unbiased	12.596	12.6	0.0037
3	1e+12	NDD Unbiased	12.353	12.5	0.1477
4	1e+12	NDD Unbiased	12.421	12.255	-0.1667
5	5e+12	NDD Unbiased	12.186	12.326	0.1408
6	5e+12	NDD Unbiased	12.755	12.758	0.0032
7	5e+12	NDD Unbiased	12.466	12.511	0.0449
8	5e+12	NDD Unbiased	12.447	12.394	-0.0521
9	1e+13	NDD Unbiased	12.593	12.495	-0.0982
10	1e+13	NDD Unbiased	12.188	12.22	0.0323
11	1e+13	NDD Unbiased	12.233	12.238	0.0056
12	1e+13	NDD Unbiased	12.574	12.537	-0.0363
53	0	Correlation	12.354	12.335	-0.0188
54	0	Correlation	12.149	12.285	0.1359

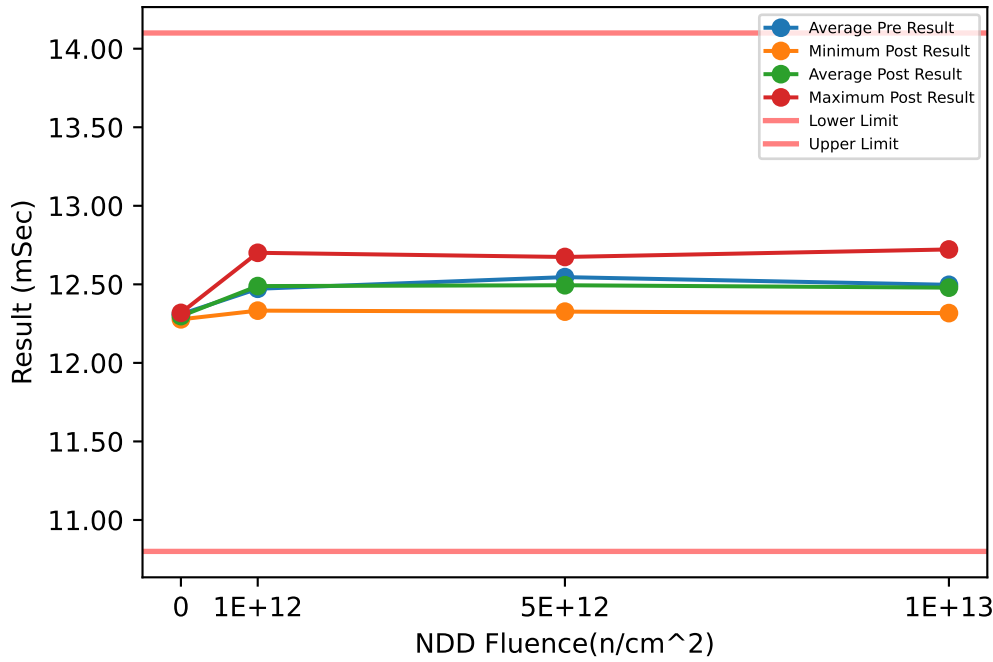
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.149	12.251	12.354	0.14439	12.285	12.31	12.335	0.035002	-0.0188	0.05855	0.1359	0.10939
1e+12	12.353	12.442	12.596	0.1069	12.255	12.403	12.6	0.17426	-0.1667	-0.0382	0.1477	0.14455
5e+12	12.186	12.463	12.755	0.23286	12.326	12.497	12.758	0.18991	-0.0521	0.0342	0.1408	0.081418
1e+13	12.188	12.397	12.593	0.21626	12.22	12.373	12.537	0.16667	-0.0982	-0.02415	0.0323	0.05687

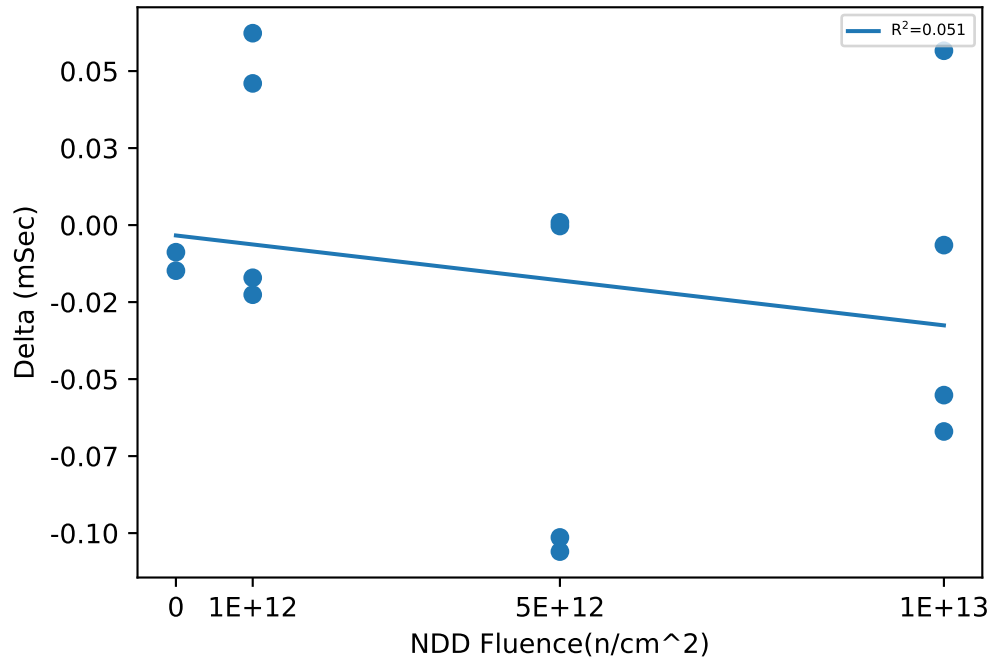
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.353	12.415	0.0623
2	1e+12	NDD Unbiased	12.655	12.701	0.046
3	1e+12	NDD Unbiased	12.524	12.507	-0.0171
4	1e+12	NDD Unbiased	12.355	12.333	-0.0226
5	5e+12	NDD Unbiased	12.325	12.326	0.0009
6	5e+12	NDD Unbiased	12.776	12.674	-0.1014
7	5e+12	NDD Unbiased	12.481	12.481	-0.0003
8	5e+12	NDD Unbiased	12.602	12.496	-0.106
9	1e+13	NDD Unbiased	12.568	12.513	-0.0552
10	1e+13	NDD Unbiased	12.307	12.364	0.0566
11	1e+13	NDD Unbiased	12.384	12.317	-0.067
12	1e+13	NDD Unbiased	12.729	12.722	-0.0065
53	0	Correlation	12.327	12.318	-0.0088
54	0	Correlation	12.292	12.277	-0.0148

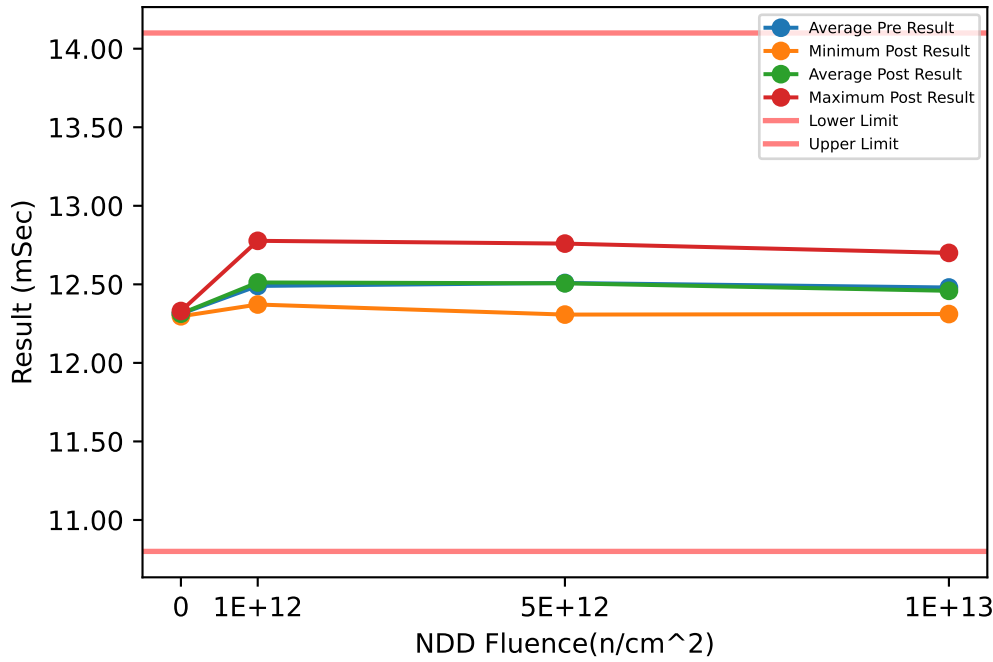
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.292	12.31	12.327	0.024749	12.277	12.298	12.318	0.028991	-0.0148	-0.0118	-0.0088	0.0042426
1e+12	12.353	12.472	12.655	0.14593	12.333	12.489	12.701	0.15816	-0.0226	0.01715	0.0623	0.043297
5e+12	12.325	12.546	12.776	0.19035	12.326	12.494	12.674	0.14233	-0.106	-0.0517	0.0009	0.060076
1e+13	12.307	12.497	12.729	0.18934	12.317	12.479	12.722	0.1824	-0.067	-0.018025	0.0566	0.056221

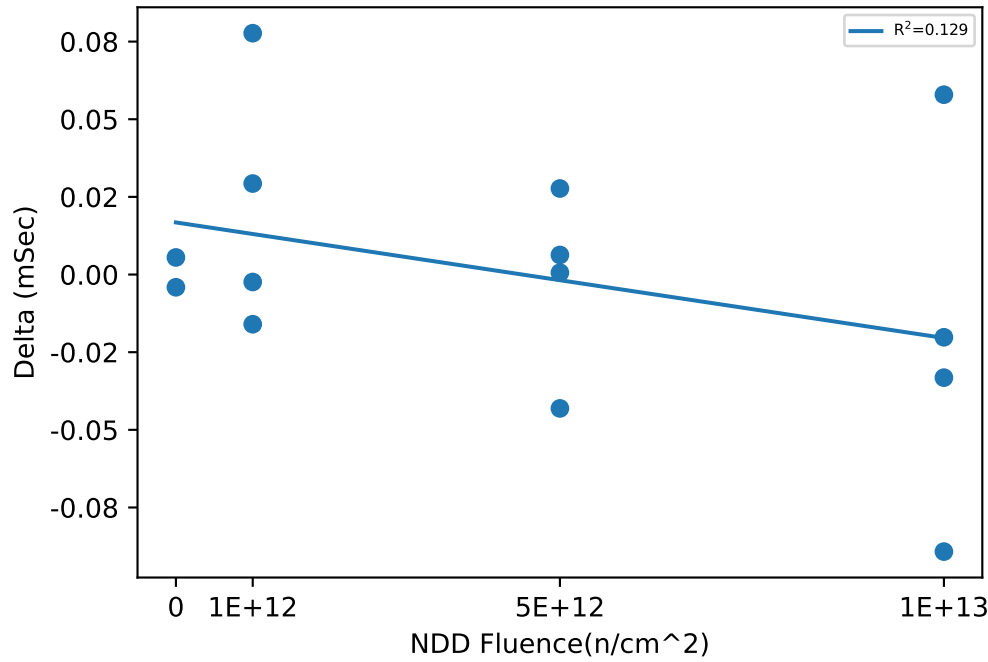
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.387	12.416	0.0293
2	1e+12	NDD Unbiased	12.699	12.777	0.0777
3	1e+12	NDD Unbiased	12.499	12.483	-0.016
4	1e+12	NDD Unbiased	12.374	12.372	-0.0024
5	5e+12	NDD Unbiased	12.28	12.307	0.0277
6	5e+12	NDD Unbiased	12.753	12.759	0.0063
7	5e+12	NDD Unbiased	12.429	12.43	0.0006
8	5e+12	NDD Unbiased	12.573	12.53	-0.0431
9	1e+13	NDD Unbiased	12.565	12.475	-0.0892
10	1e+13	NDD Unbiased	12.253	12.311	0.0579
11	1e+13	NDD Unbiased	12.382	12.349	-0.0332
12	1e+13	NDD Unbiased	12.72	12.7	-0.0202
53	0	Correlation	12.334	12.33	-0.0041
54	0	Correlation	12.291	12.297	0.0055

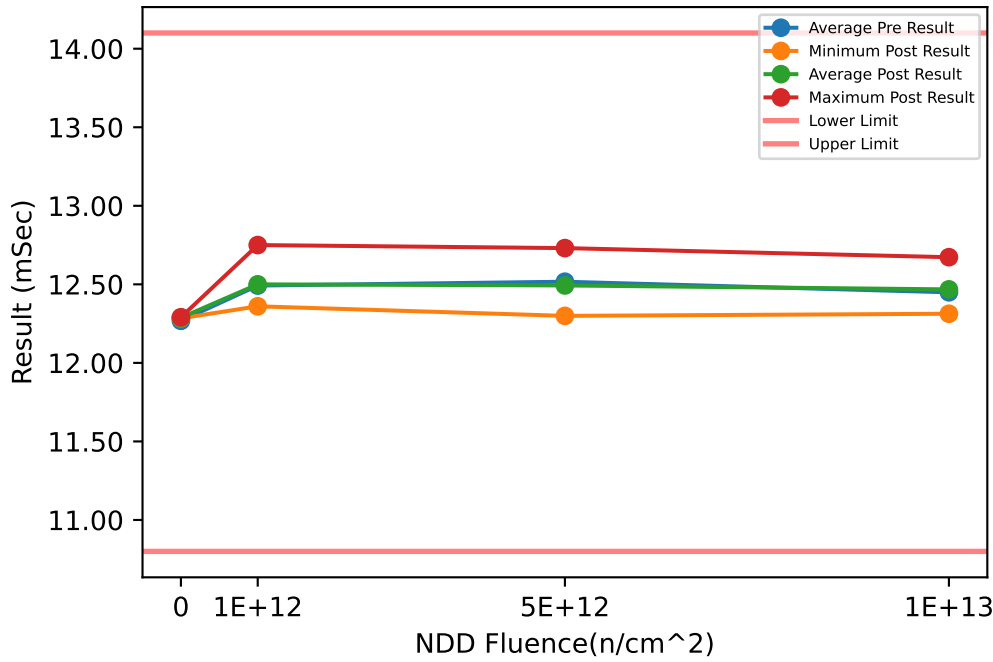
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.291	12.313	12.334	0.030547	12.297	12.313	12.33	0.023759	-0.0041	0.0007	0.0055	0.0067882
1e+12	12.374	12.49	12.699	0.15048	12.372	12.512	12.777	0.1825	-0.016	0.02215	0.0777	0.041613
5e+12	12.28	12.509	12.753	0.20212	12.307	12.507	12.759	0.19148	-0.0431	-0.002125	0.0277	0.029703
1e+13	12.253	12.48	12.72	0.20495	12.311	12.459	12.7	0.17557	-0.0892	-0.021175	0.0579	0.060624

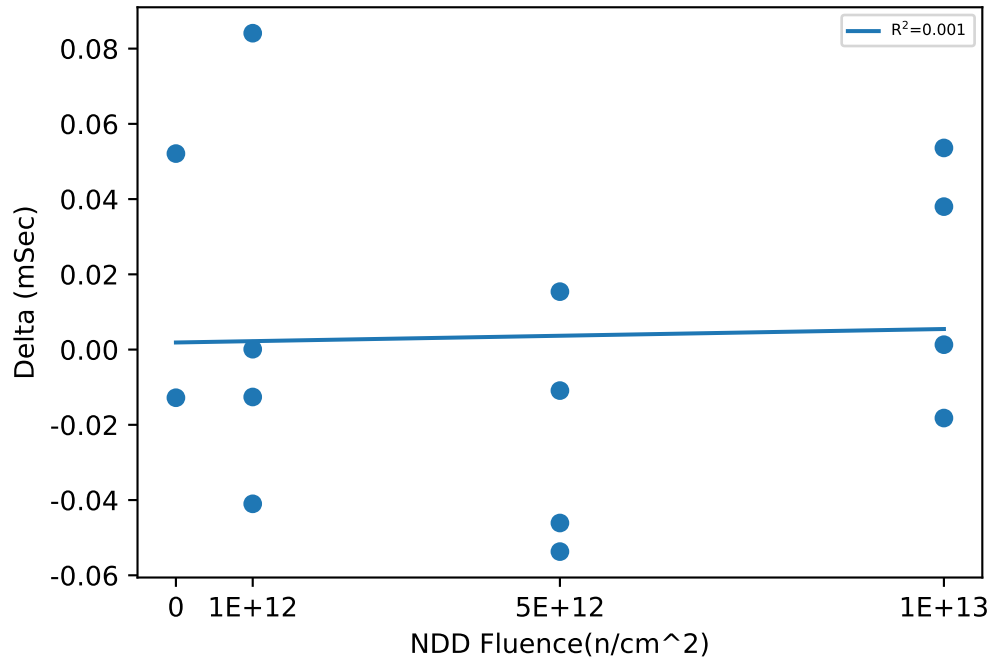
NDD vs Result Stats



Test Results (Lower Limit = 10.8, Upper Limit = 14.1 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	12.37	12.37	0.0001
2	1e+12	NDD Unbiased	12.666	12.75	0.0841
3	1e+12	NDD Unbiased	12.532	12.52	-0.0126
4	1e+12	NDD Unbiased	12.401	12.36	-0.041
5	5e+12	NDD Unbiased	12.284	12.299	0.0154
6	5e+12	NDD Unbiased	12.742	12.731	-0.0109
7	5e+12	NDD Unbiased	12.488	12.434	-0.0537
8	5e+12	NDD Unbiased	12.554	12.508	-0.0461
9	1e+13	NDD Unbiased	12.543	12.525	-0.0182
10	1e+13	NDD Unbiased	12.259	12.313	0.0536
11	1e+13	NDD Unbiased	12.324	12.362	0.038
12	1e+13	NDD Unbiased	12.671	12.673	0.0013
53	0	Correlation	12.297	12.284	-0.0128
54	0	Correlation	12.239	12.291	0.0521

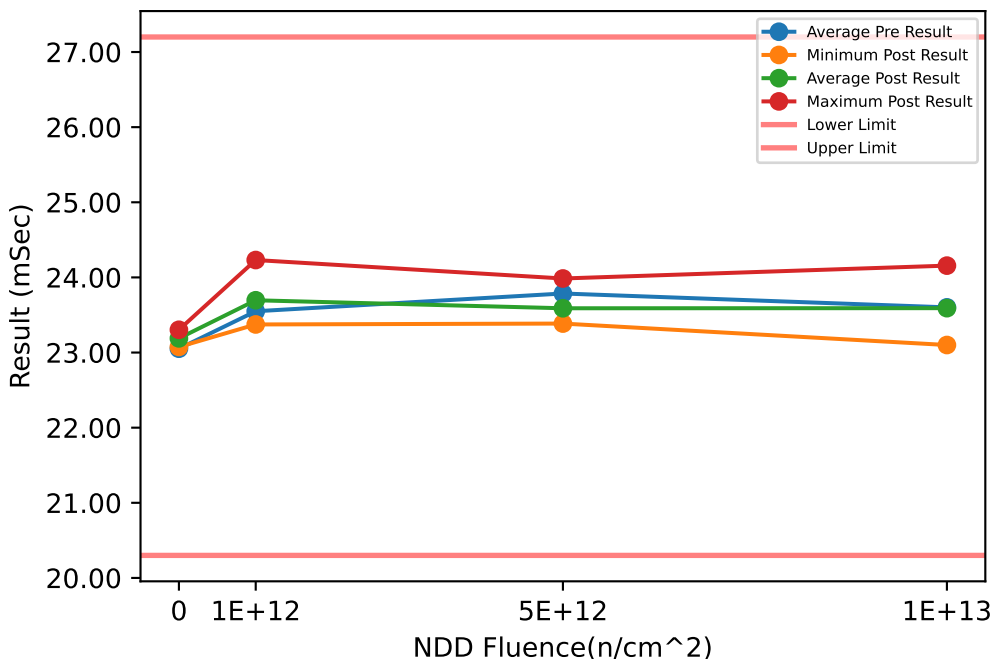
NDD vs Post - Pre Exposure Delta



Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.239	12.268	12.297	0.041224	12.284	12.287	12.291	0.0046669	-0.0128	0.01965	0.0521	0.045891
1e+12	12.37	12.492	12.666	0.13548	12.36	12.5	12.75	0.18203	-0.041	0.00765	0.0841	0.053785
5e+12	12.284	12.517	12.742	0.18887	12.299	12.493	12.731	0.18051	-0.0537	-0.023825	0.0154	0.032116
1e+13	12.259	12.449	12.671	0.19155	12.313	12.468	12.673	0.16388	-0.0182	0.018675	0.0536	0.032939

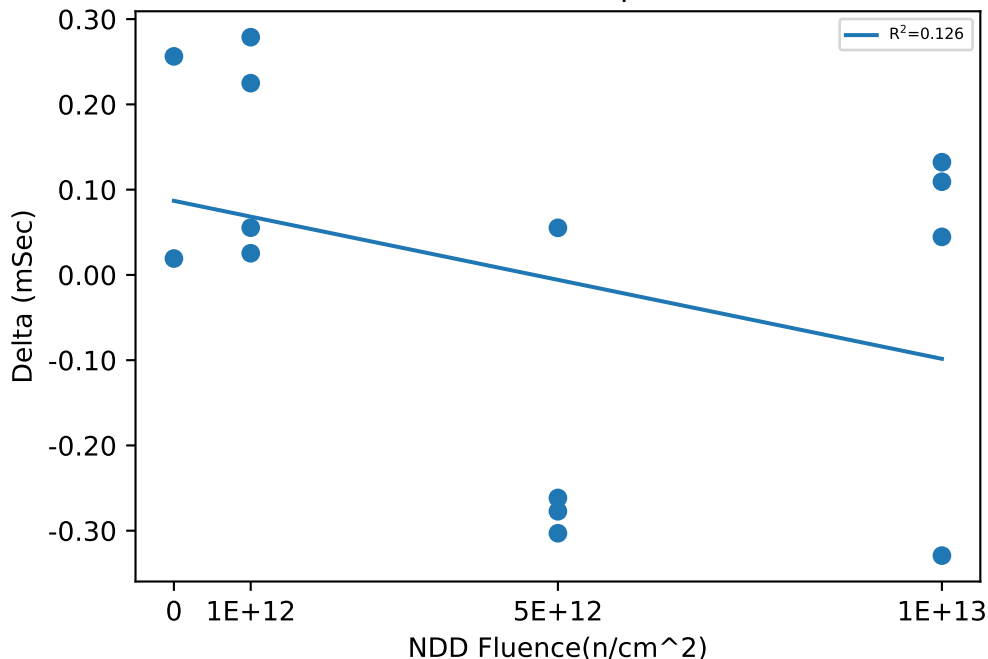
NDD vs Result Stats



Test Results (Lower Limit = 20.3, Upper Limit = 27.2 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	23.319	23.374	0.0554
2	1e+12	NDD Unbiased	24.206	24.231	0.0254
3	1e+12	NDD Unbiased	23.343	23.621	0.2788
4	1e+12	NDD Unbiased	23.332	23.556	0.2249
5	5e+12	NDD Unbiased	23.331	23.386	0.0552
6	5e+12	NDD Unbiased	24.289	23.986	-0.303
7	5e+12	NDD Unbiased	23.709	23.432	-0.2772
8	5e+12	NDD Unbiased	23.816	23.554	-0.2616
9	1e+13	NDD Unbiased	23.48	23.589	0.1093
10	1e+13	NDD Unbiased	23.384	23.516	0.1322
11	1e+13	NDD Unbiased	23.43	23.1	-0.3292
12	1e+13	NDD Unbiased	24.112	24.157	0.0446
53	0	Correlation	23.056	23.075	0.0192
54	0	Correlation	23.047	23.303	0.2563

NDD vs Post - Pre Exposure Delta

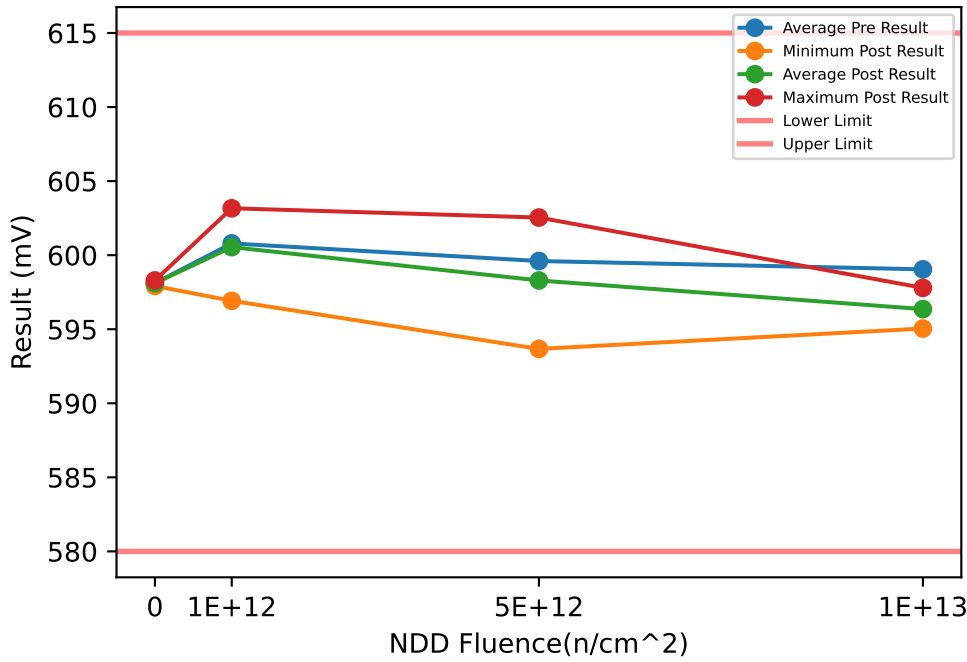


Test Statistics (mSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.047	23.051	23.056	0.006364	23.075	23.189	23.303	0.16129	0.0192	0.13775	0.2563	0.16766
1e+12	23.319	23.55	24.206	0.43768	23.374	23.696	24.231	0.37213	0.0254	0.14612	0.2788	0.12465
5e+12	23.331	23.786	24.289	0.39454	23.386	23.589	23.986	0.27362	-0.303	-0.19665	0.0552	0.16877
1e+13	23.384	23.601	24.112	0.34283	23.1	23.591	24.157	0.4346	-0.3292	-0.010775	0.1322	0.2155

Device Test: 19.1 VTH_UP(_LEVEL|RISE/UP/1.6/3/0/0/0/@VTH_UP)

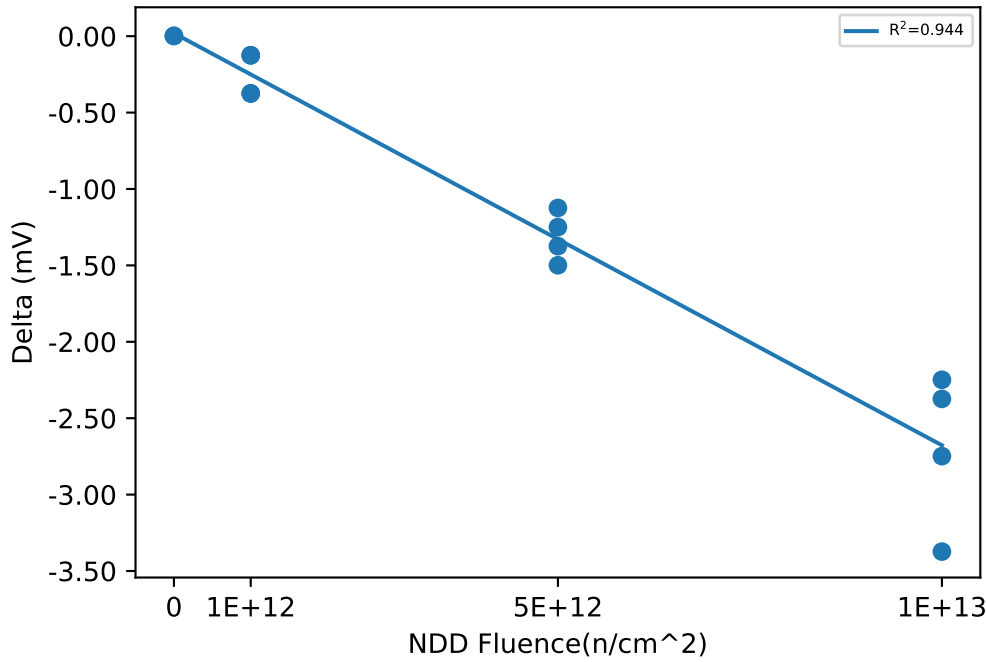
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 615.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	601.42	601.04	-0.3747
2	1e+12	NDD Unbiased	603.54	603.17	-0.3747
3	1e+12	NDD Unbiased	601.17	601.04	-0.1249
4	1e+12	NDD Unbiased	597.04	596.92	-0.1249
5	5e+12	NDD Unbiased	601.67	600.54	-1.1242
6	5e+12	NDD Unbiased	603.91	602.54	-1.3741
7	5e+12	NDD Unbiased	595.17	593.67	-1.4991
8	5e+12	NDD Unbiased	597.67	596.42	-1.2492
9	1e+13	NDD Unbiased	600.17	597.79	-2.3736
10	1e+13	NDD Unbiased	600.04	597.29	-2.7483
11	1e+13	NDD Unbiased	598.67	595.3	-3.373
12	1e+13	NDD Unbiased	597.29	595.05	-2.2486
53	0	Correlation	597.92	597.92	0.0018
54	0	Correlation	598.29	598.3	0.0018

NDD vs Post - Pre Exposure Delta

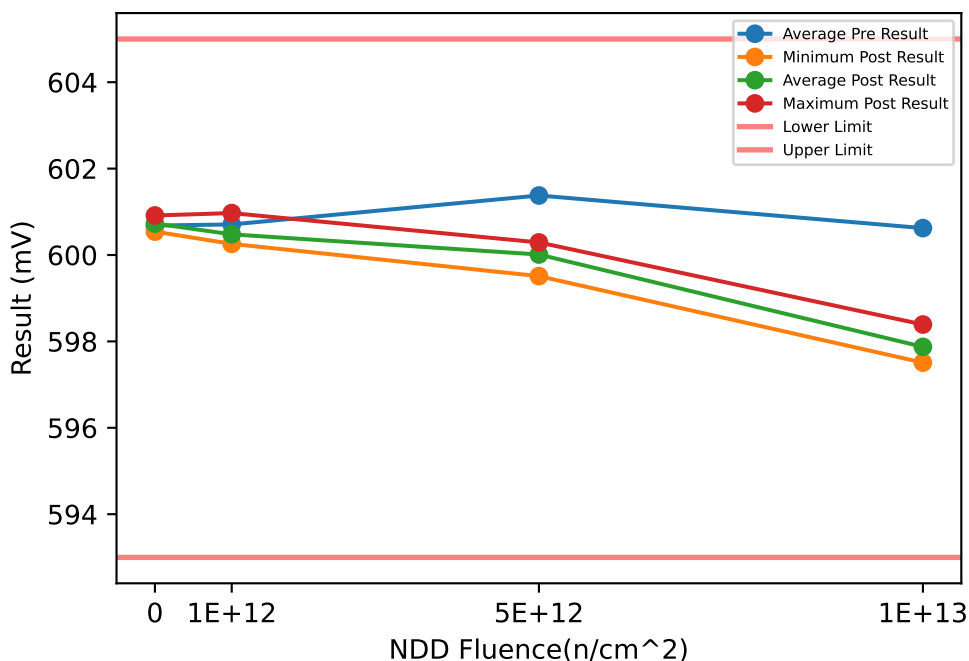


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.92	598.11	598.29	0.26502	597.92	598.11	598.3	0.26502	0.0018	0.0018	0.0018	0
1e+12	597.04	600.79	603.54	2.7159	596.92	600.54	603.17	2.6145	-0.3747	-0.2498	-0.1249	0.14422
5e+12	595.17	599.61	603.91	3.926	593.67	598.29	602.54	3.9989	-1.4991	-1.3117	-1.1242	0.16132
1e+13	597.29	599.04	600.17	1.3493	595.05	596.36	597.79	1.3892	-3.373	-2.6859	-2.2486	0.5049

Device Test: 19.10 VTH_SENSE(_LEVEL|FALL/SENSE4/1.6/3/0/0/0/@VTH_SENSE)

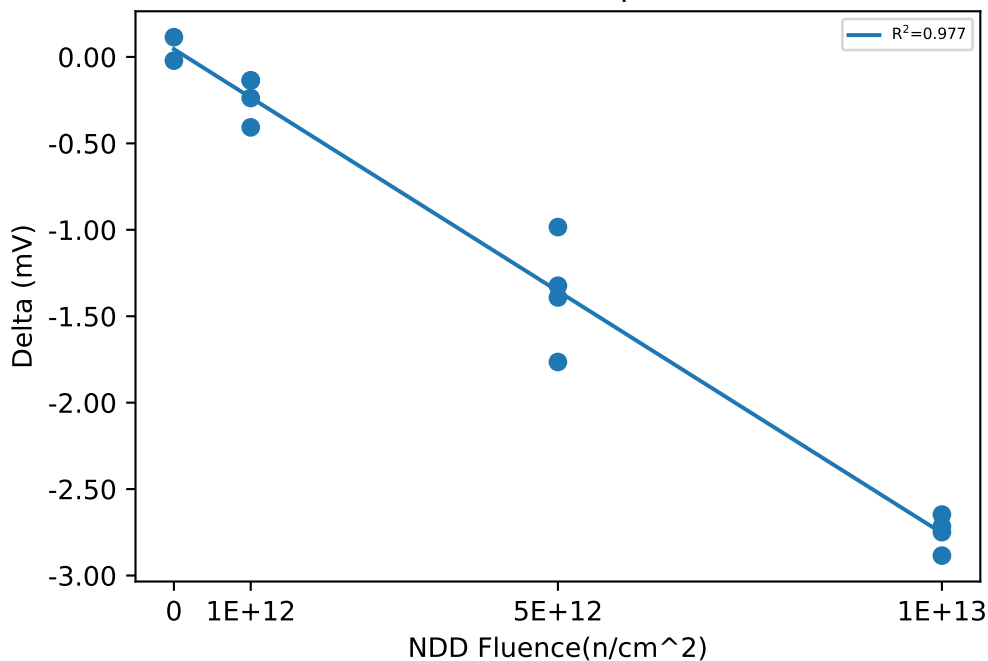
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.46	600.33	-0.1357
2	1e+12	NDD Unbiased	601.21	600.97	-0.2376
3	1e+12	NDD Unbiased	600.5	600.36	-0.1358
4	1e+12	NDD Unbiased	600.66	600.26	-0.4073
5	5e+12	NDD Unbiased	601.28	599.51	-1.7647
6	5e+12	NDD Unbiased	601.62	600.22	-1.3914
7	5e+12	NDD Unbiased	601.28	600.29	-0.9842
8	5e+12	NDD Unbiased	601.34	600.02	-1.3236
9	1e+13	NDD Unbiased	600.43	597.71	-2.715
10	1e+13	NDD Unbiased	601.14	598.39	-2.749
11	1e+13	NDD Unbiased	600.77	597.88	-2.8847
12	1e+13	NDD Unbiased	600.16	597.51	-2.6472
53	0	Correlation	600.94	600.91	-0.0213
54	0	Correlation	600.43	600.54	0.1142

NDD vs Post - Pre Exposure Delta

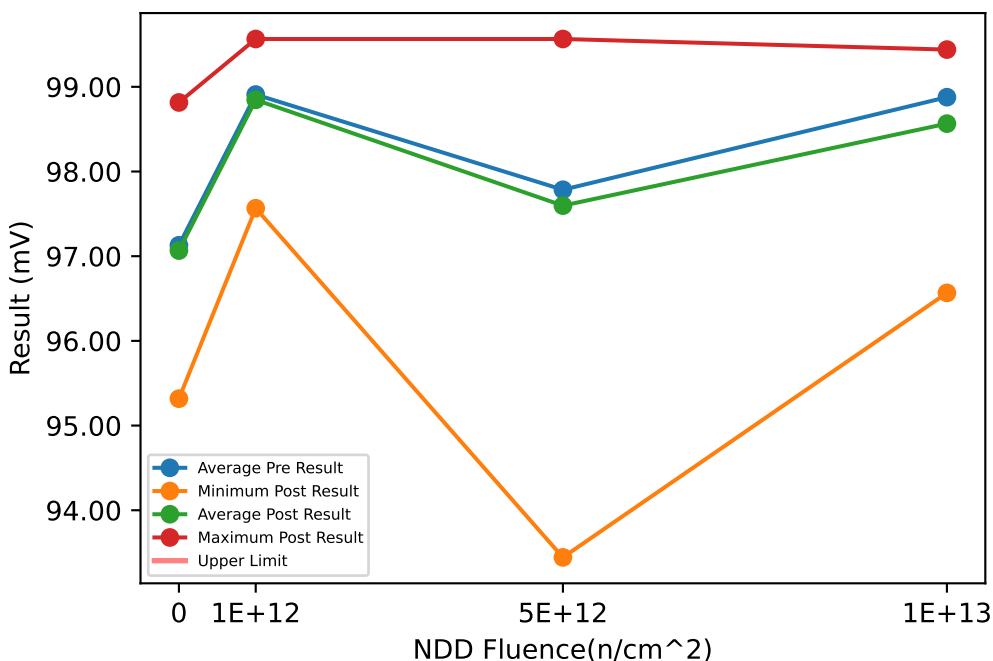


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.43	600.68	600.94	0.35999	600.54	600.73	600.91	0.26418	-0.0213	0.04645	0.1142	0.095813
1e+12	600.46	600.71	601.21	0.34542	600.26	600.48	600.97	0.33079	-0.4073	-0.2291	-0.1357	0.12814
5e+12	601.28	601.38	601.62	0.16159	599.51	600.01	600.29	0.35308	-1.7647	-1.366	-0.9842	0.31999
1e+13	600.16	600.62	601.14	0.42603	597.51	597.87	598.39	0.37728	-2.8847	-2.749	-2.6472	0.099889

Device Test: 19.11 UP_DOWN_VHYS(_LEVEL|HYS/UP/1.6/3/0/0/0/@UP_DOWN_VHYS)

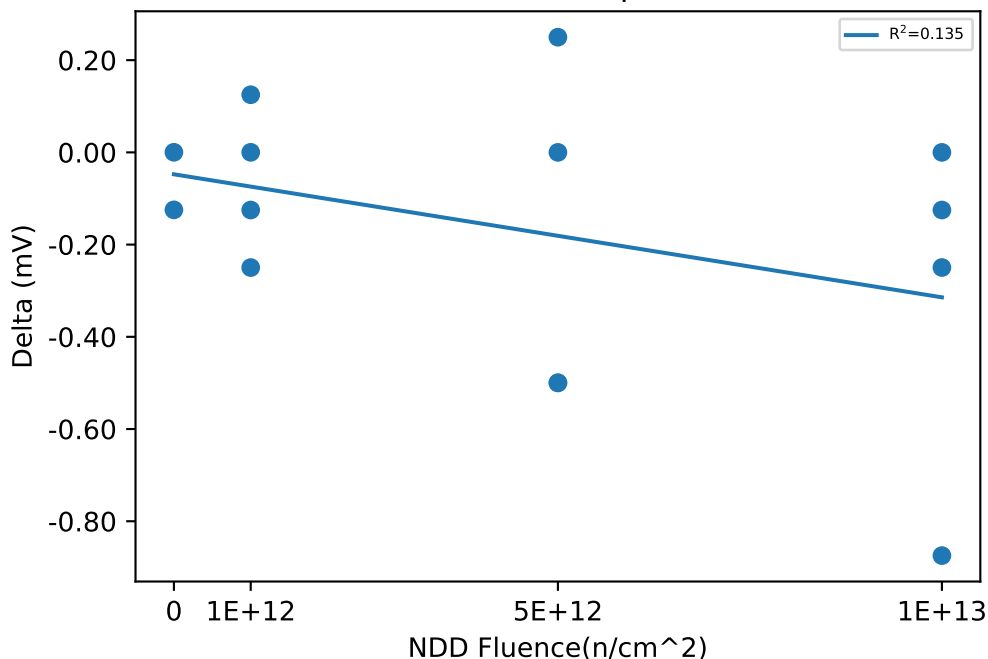
NDD vs Result Stats



Test Results (No Limits Specified (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	99.565	99.315	-0.2498
2	1e+12	NDD Unbiased	98.815	98.94	0.125
3	1e+12	NDD Unbiased	99.69	99.565	-0.125
4	1e+12	NDD Unbiased	97.566	97.566	0.0001
5	5e+12	NDD Unbiased	99.565	99.565	0
6	5e+12	NDD Unbiased	99.815	99.315	-0.4998
7	5e+12	NDD Unbiased	93.943	93.443	-0.4998
8	5e+12	NDD Unbiased	97.816	98.066	0.2498
9	1e+13	NDD Unbiased	99.565	99.44	-0.125
10	1e+13	NDD Unbiased	96.816	96.567	-0.2497
11	1e+13	NDD Unbiased	99.939	99.065	-0.8745
12	1e+13	NDD Unbiased	99.19	99.19	0
53	0	Correlation	98.94	98.815	-0.1247
54	0	Correlation	95.317	95.317	0.0002

NDD vs Post - Pre Exposure Delta

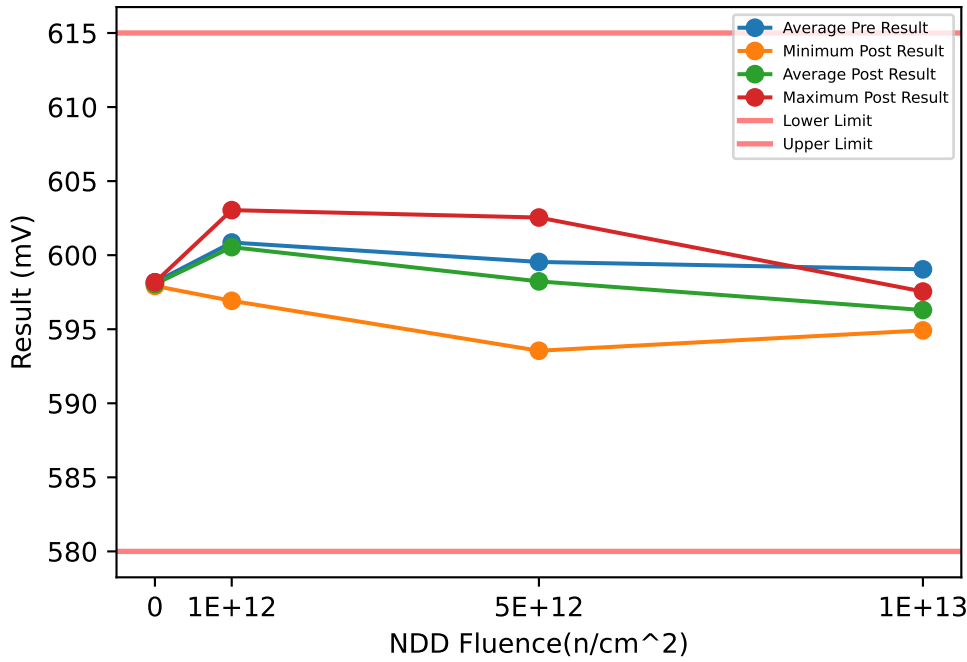


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.317	97.129	98.94	2.5617	95.317	97.066	98.815	2.4734	-0.1247	-0.06225	0.0002	0.088318
1e+12	97.566	98.909	99.69	0.97505	97.566	98.846	99.565	0.89138	-0.2498	-0.062425	0.125	0.16131
5e+12	93.943	97.785	99.815	2.711	93.443	97.597	99.565	2.8458	-0.4998	-0.18745	0.2498	0.37481
1e+13	96.816	98.878	99.939	1.4078	96.567	98.565	99.44	1.3415	-0.8745	-0.3123	0	0.38842

Device Test: 19.12 VTH_UP(_LEVEL|RISE/UP/7/3/0/0/0/@VTH_UP)

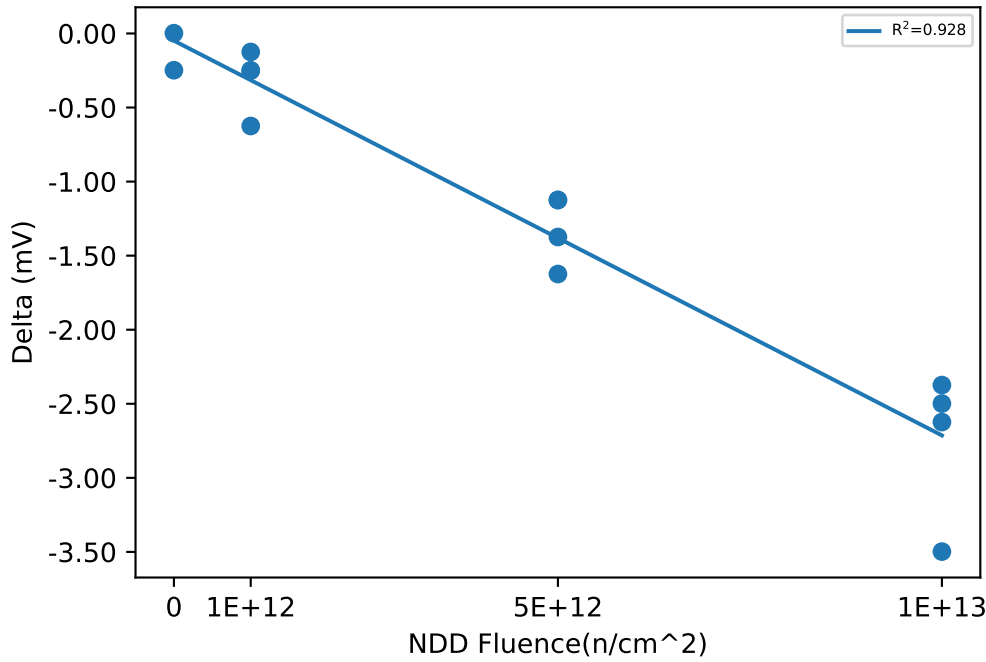
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 615.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	601.42	601.29	-0.1249
2	1e+12	NDD Unbiased	603.67	603.04	-0.6247
3	1e+12	NDD Unbiased	601.17	600.92	-0.2499
4	1e+12	NDD Unbiased	597.17	596.92	-0.2498
5	5e+12	NDD Unbiased	601.67	600.29	-1.374
6	5e+12	NDD Unbiased	603.67	602.54	-1.1243
7	5e+12	NDD Unbiased	595.17	593.55	-1.624
8	5e+12	NDD Unbiased	597.67	596.54	-1.1244
9	1e+13	NDD Unbiased	600.17	597.54	-2.6234
10	1e+13	NDD Unbiased	599.92	597.54	-2.3736
11	1e+13	NDD Unbiased	598.67	595.17	-3.4979
12	1e+13	NDD Unbiased	597.42	594.92	-2.4984
53	0	Correlation	597.92	597.92	0.0018
54	0	Correlation	598.42	598.17	-0.2482

NDD vs Post - Pre Exposure Delta

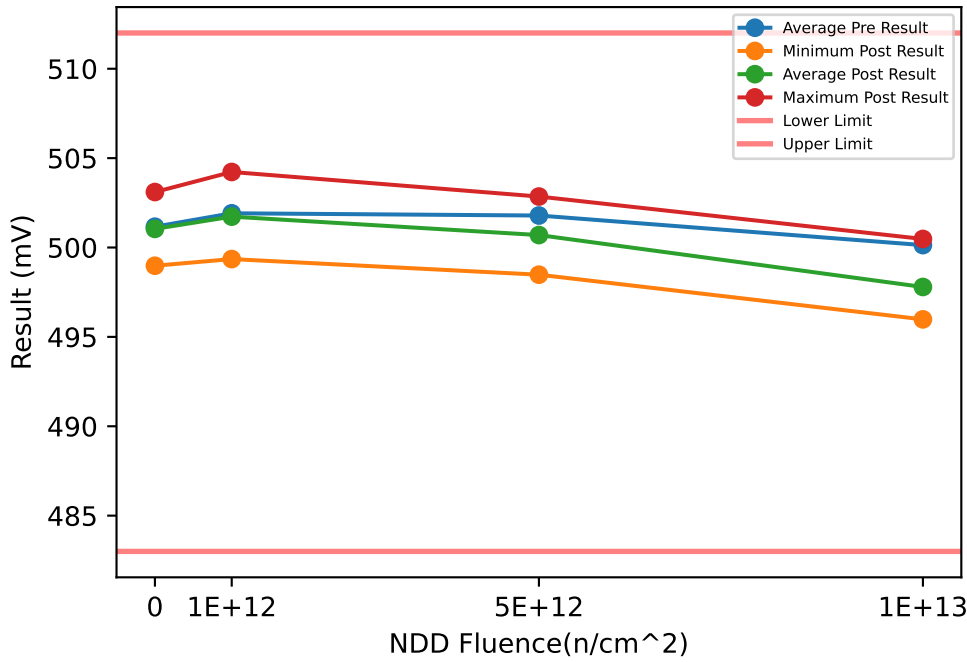


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.92	598.17	598.42	0.35341	597.92	598.05	598.17	0.17664	-0.2482	-0.1232	0.0018	0.17678
1e+12	597.17	600.85	603.67	2.7016	596.92	600.54	603.04	2.5864	-0.6247	-0.31233	-0.1249	0.21642
5e+12	595.17	599.54	603.67	3.8355	593.55	598.23	602.54	3.9839	-1.624	-1.3117	-1.1243	0.23917
1e+13	597.42	599.04	600.17	1.2658	594.92	596.29	597.54	1.4461	-3.4979	-2.7483	-2.3736	0.51002

Device Test: 19.13 VTH_DOWN(_LEVEL|FALL/DOWNb/7/3/0/0/0/@VTH_DOWN)

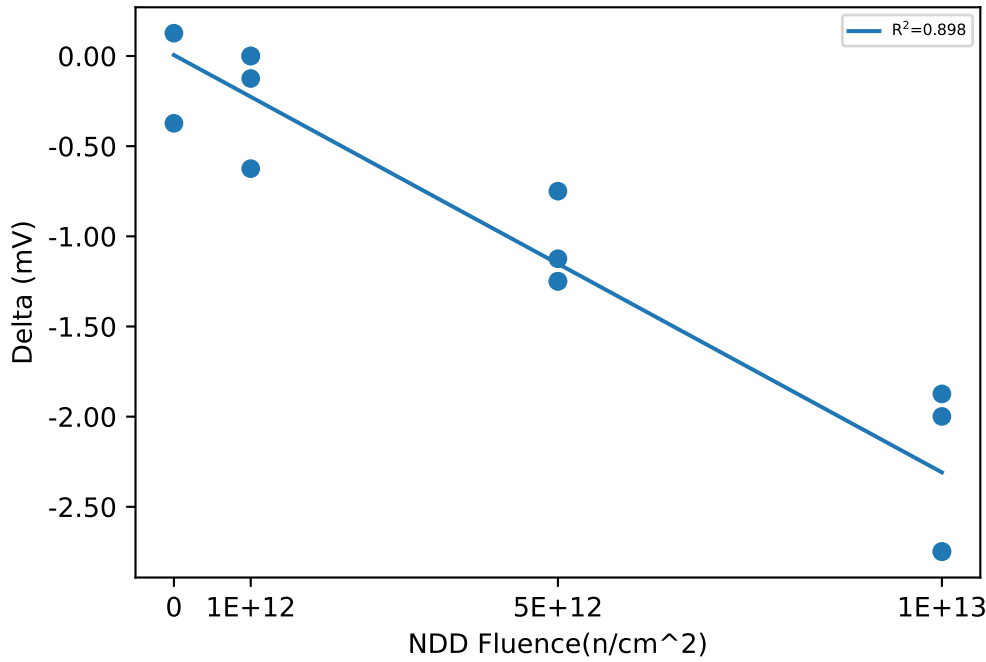
NDD vs Result Stats



Test Results (Lower Limit = 483.0, Upper Limit = 512.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	501.98	501.85	-0.1248
2	1e+12	NDD Unbiased	504.85	504.23	-0.6246
3	1e+12	NDD Unbiased	501.48	501.48	0
4	1e+12	NDD Unbiased	499.35	499.35	0
5	5e+12	NDD Unbiased	502.1	501.35	-0.7496
6	5e+12	NDD Unbiased	504.1	502.85	-1.2492
7	5e+12	NDD Unbiased	501.23	500.1	-1.1243
8	5e+12	NDD Unbiased	499.73	498.48	-1.2492
9	1e+13	NDD Unbiased	500.48	498.48	-1.9988
10	1e+13	NDD Unbiased	503.23	500.48	-2.7483
11	1e+13	NDD Unbiased	498.98	496.23	-2.7484
12	1e+13	NDD Unbiased	497.85	495.98	-1.8738
53	0	Correlation	499.35	498.98	-0.3732
54	0	Correlation	502.98	503.1	0.1265

NDD vs Post - Pre Exposure Delta

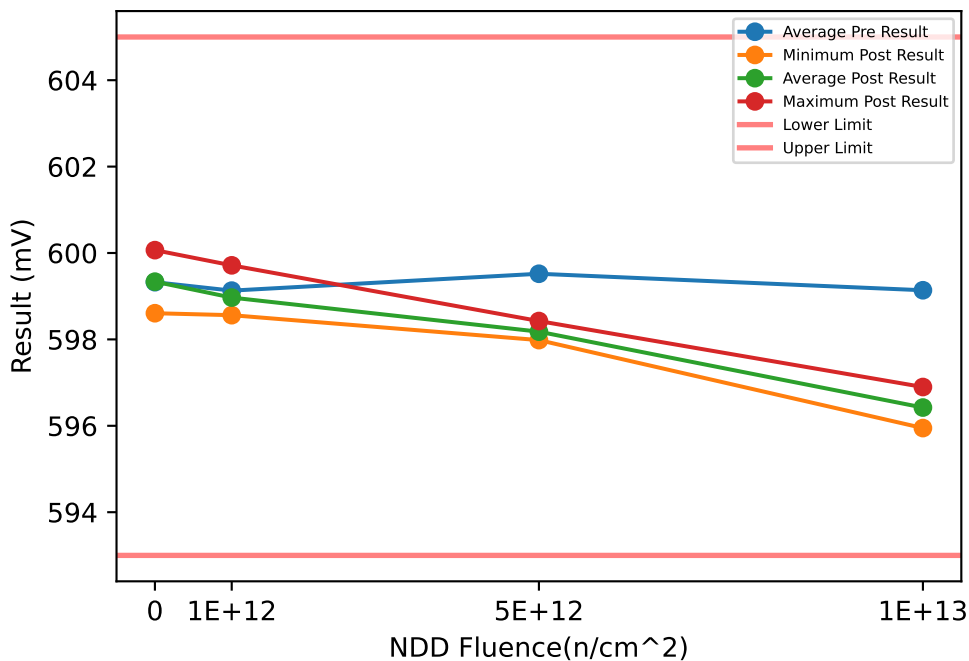


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.35	501.16	502.98	2.5617	498.98	501.04	503.1	2.915	-0.3732	-0.12335	0.1265	0.35334
1e+12	499.35	501.91	504.85	2.2636	499.35	501.73	504.23	1.9962	-0.6246	-0.18735	0	0.29738
5e+12	499.73	501.79	504.1	1.826	498.48	500.7	502.85	1.8568	-1.2492	-1.0931	-0.7496	0.23643
1e+13	497.85	500.13	503.23	2.3246	495.98	497.79	500.48	2.1139	-2.7484	-2.3423	-1.8738	0.47161

Device Test: 19.14 VTH_SENSE(_LEVEL|RISE/SENSE1/7/3/0/0/0/@VTH_SENSE)

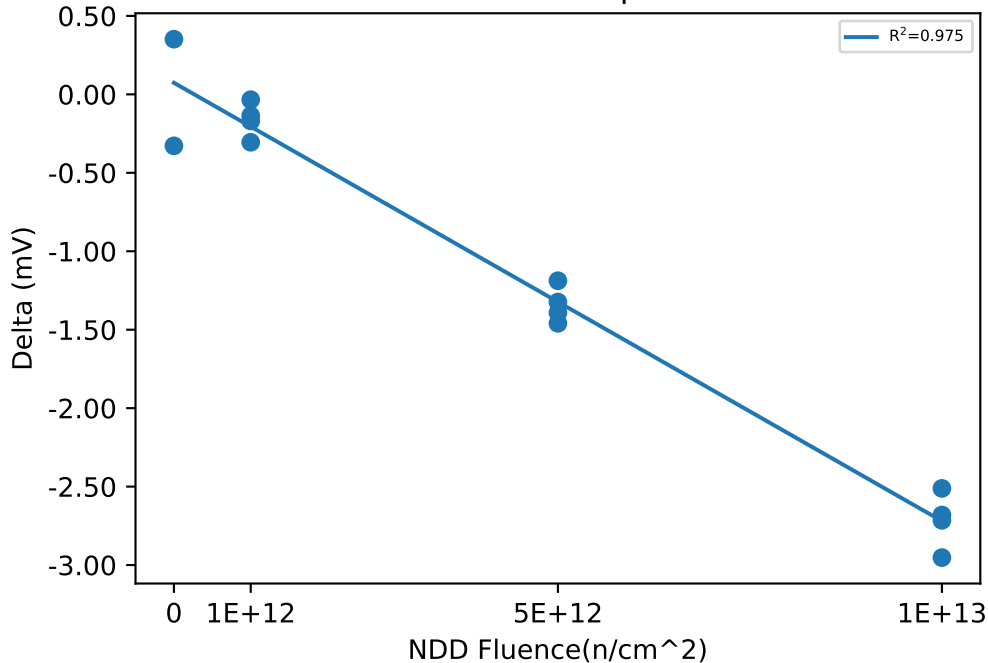
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.73	598.56	-0.1697
2	1e+12	NDD Unbiased	600.02	599.71	-0.3054
3	1e+12	NDD Unbiased	598.93	598.8	-0.1357
4	1e+12	NDD Unbiased	598.83	598.8	-0.0339
5	5e+12	NDD Unbiased	599.38	597.98	-1.3914
6	5e+12	NDD Unbiased	599.88	598.42	-1.4593
7	5e+12	NDD Unbiased	599.27	598.09	-1.1878
8	5e+12	NDD Unbiased	599.54	598.22	-1.3236
9	1e+13	NDD Unbiased	599.54	596.86	-2.6811
10	1e+13	NDD Unbiased	599.41	596.9	-2.5114
11	1e+13	NDD Unbiased	598.93	595.98	-2.9525
12	1e+13	NDD Unbiased	598.66	595.95	-2.715
53	0	Correlation	599.71	600.07	0.3516
54	0	Correlation	598.93	598.61	-0.328

NDD vs Post - Pre Exposure Delta

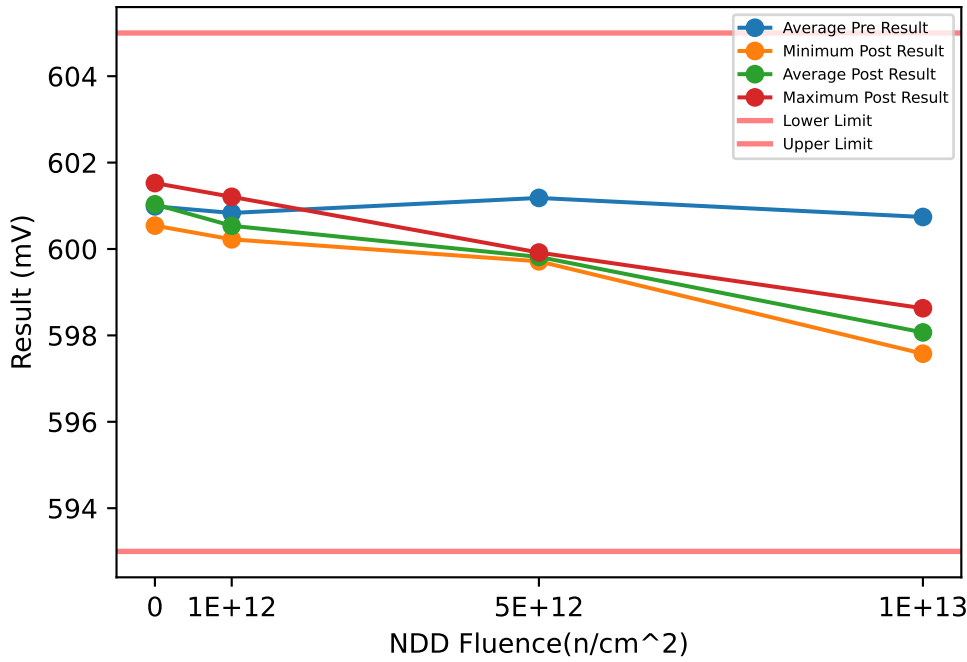


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.93	599.32	599.71	0.55197	598.61	599.34	600.07	1.0325	-0.328	0.0118	0.3516	0.48055
1e+12	598.73	599.13	600.02	0.59969	598.56	598.97	599.71	0.5102	-0.3054	-0.16118	-0.0339	0.11213
5e+12	599.27	599.52	599.88	0.26778	597.98	598.18	598.42	0.19073	-1.4593	-1.3405	-1.1878	0.11591
1e+13	598.66	599.14	599.54	0.41103	595.95	596.42	596.9	0.52939	-2.9525	-2.715	-2.5114	0.18167

Device Test: 19.15 VTH_SENSE(_LEVEL|FALL/SENSE1/7/3/0/0/0/@VTH_SENSE)

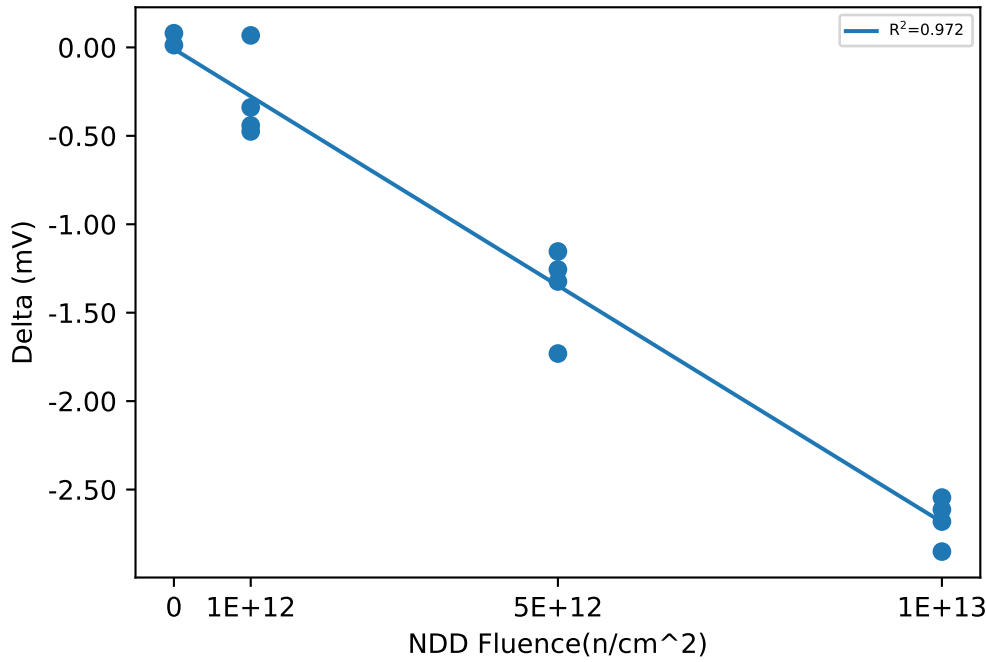
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.29	600.36	0.0679
2	1e+12	NDD Unbiased	601.65	601.21	-0.4412
3	1e+12	NDD Unbiased	600.7	600.22	-0.4751
4	1e+12	NDD Unbiased	600.7	600.36	-0.3394
5	5e+12	NDD Unbiased	600.9	599.75	-1.1539
6	5e+12	NDD Unbiased	601.65	599.92	-1.7309
7	5e+12	NDD Unbiased	600.97	599.71	-1.2557
8	5e+12	NDD Unbiased	601.21	599.88	-1.3236
9	1e+13	NDD Unbiased	601.17	598.63	-2.5453
10	1e+13	NDD Unbiased	601.21	598.36	-2.8508
11	1e+13	NDD Unbiased	600.39	597.71	-2.6811
12	1e+13	NDD Unbiased	600.19	597.58	-2.6132
53	0	Correlation	601.51	601.53	0.0129
54	0	Correlation	600.46	600.54	0.0803

NDD vs Post - Pre Exposure Delta

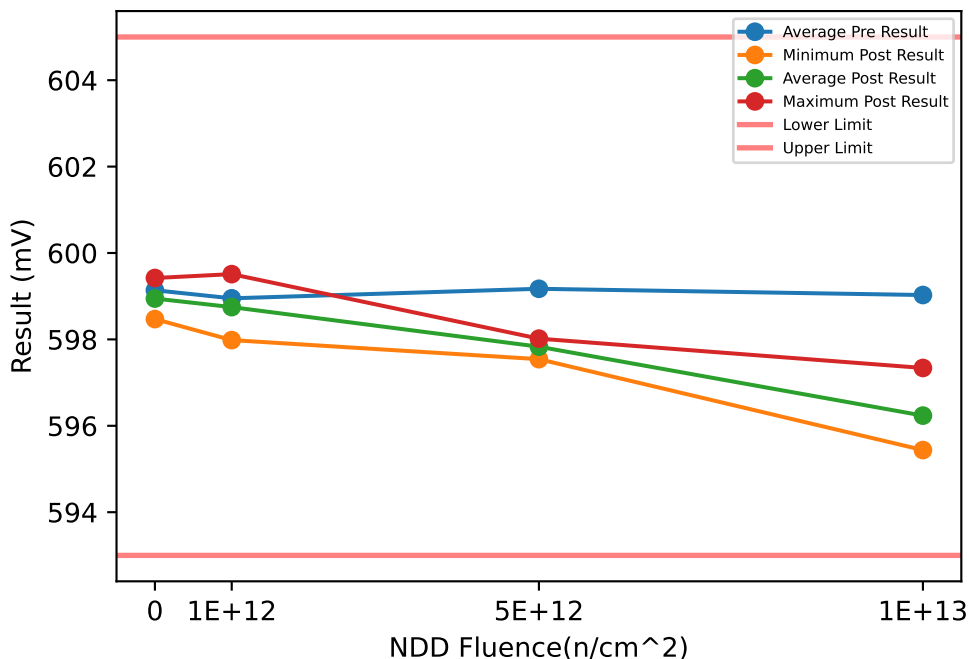


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.46	600.99	601.51	0.74395	600.54	601.03	601.53	0.69629	0.0129	0.0466	0.0803	0.047659
1e+12	600.29	600.83	601.65	0.57598	600.22	600.54	601.21	0.45142	-0.4751	-0.29695	0.0679	0.24998
5e+12	600.9	601.18	601.65	0.33756	599.71	599.82	599.92	0.099912	-1.7309	-1.366	-1.1539	0.25305
1e+13	600.19	600.74	601.21	0.52604	597.58	598.07	598.63	0.50529	-2.8508	-2.6726	-2.5453	0.1311

Device Test: 19.16 VTH_SENSE(_LEVEL|RISE/SENSE2/7/3/0/0/0/@VTH_SENSE)

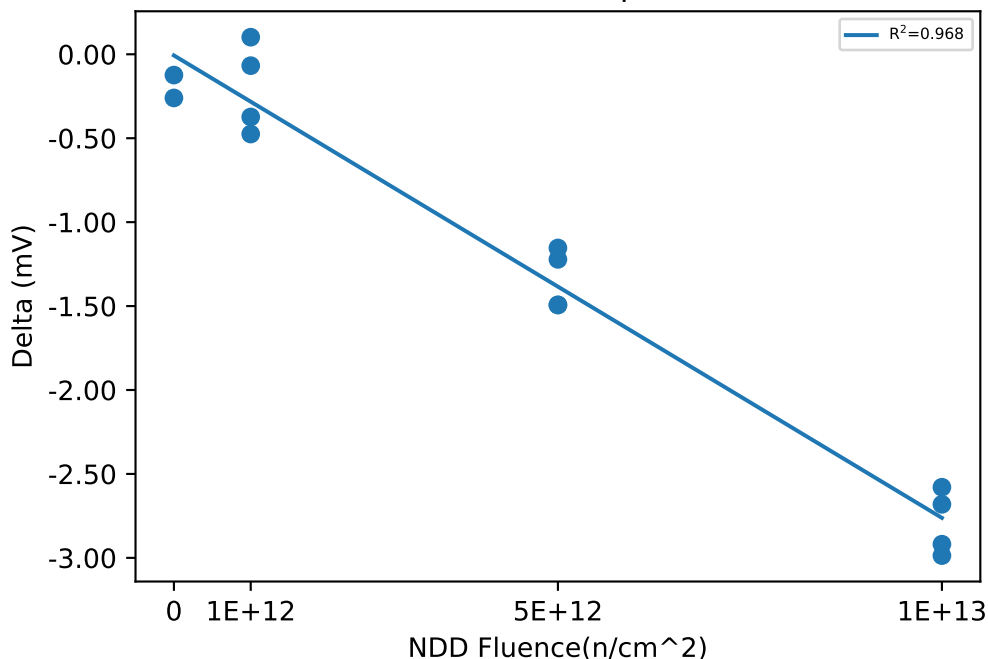
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.05	597.98	-0.0678
2	1e+12	NDD Unbiased	599.99	599.51	-0.4751
3	1e+12	NDD Unbiased	599.07	599.17	0.1018
4	1e+12	NDD Unbiased	598.7	598.32	-0.3734
5	5e+12	NDD Unbiased	599	597.85	-1.1539
6	5e+12	NDD Unbiased	599.24	598.02	-1.2218
7	5e+12	NDD Unbiased	599.41	597.92	-1.4933
8	5e+12	NDD Unbiased	599.04	597.54	-1.4932
9	1e+13	NDD Unbiased	599.48	596.49	-2.9865
10	1e+13	NDD Unbiased	599.92	597.34	-2.5792
11	1e+13	NDD Unbiased	598.59	595.68	-2.9186
12	1e+13	NDD Unbiased	598.12	595.44	-2.681
53	0	Correlation	599.54	599.42	-0.1239
54	0	Correlation	598.73	598.47	-0.2601

NDD vs Post - Pre Exposure Delta

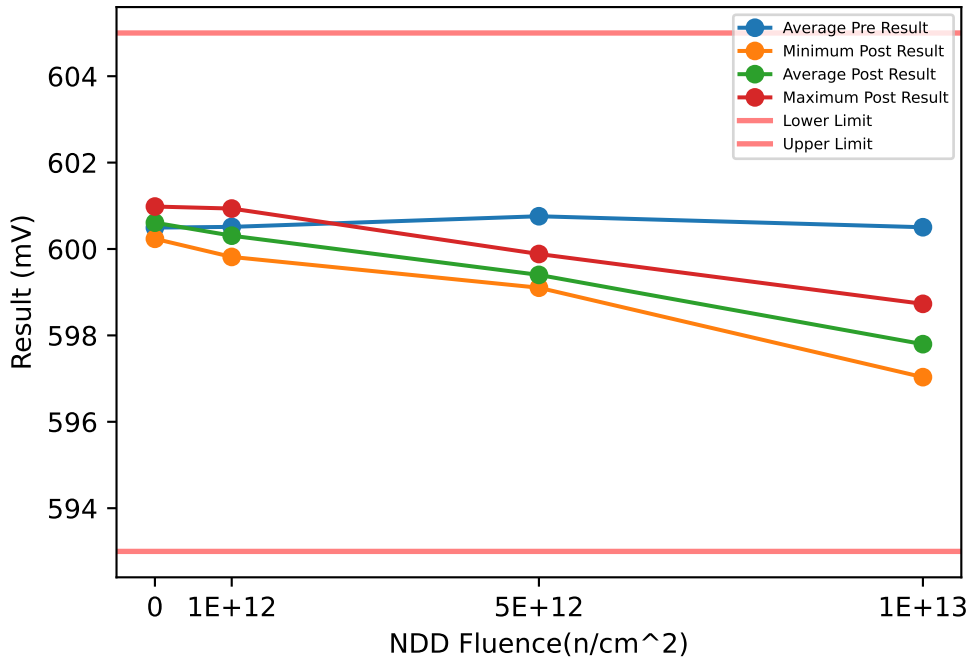


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.73	599.14	599.54	0.57594	598.47	598.95	599.42	0.67225	-0.2601	-0.192	-0.1239	0.096308
1e+12	598.05	598.95	599.99	0.80813	597.98	598.75	599.51	0.71324	-0.4751	-0.20363	0.1018	0.26724
5e+12	599	599.17	599.41	0.19	597.54	597.83	598.02	0.20456	-1.4933	-1.3406	-1.1539	0.17849
1e+13	598.12	599.03	599.92	0.81798	595.44	596.24	597.34	0.86236	-2.9865	-2.7913	-2.5792	0.19275

Device Test: 19.17 VTH_SENSE(_LEVEL|FALL/SENSE2/7/3/0/0/0/@VTH_SENSE)

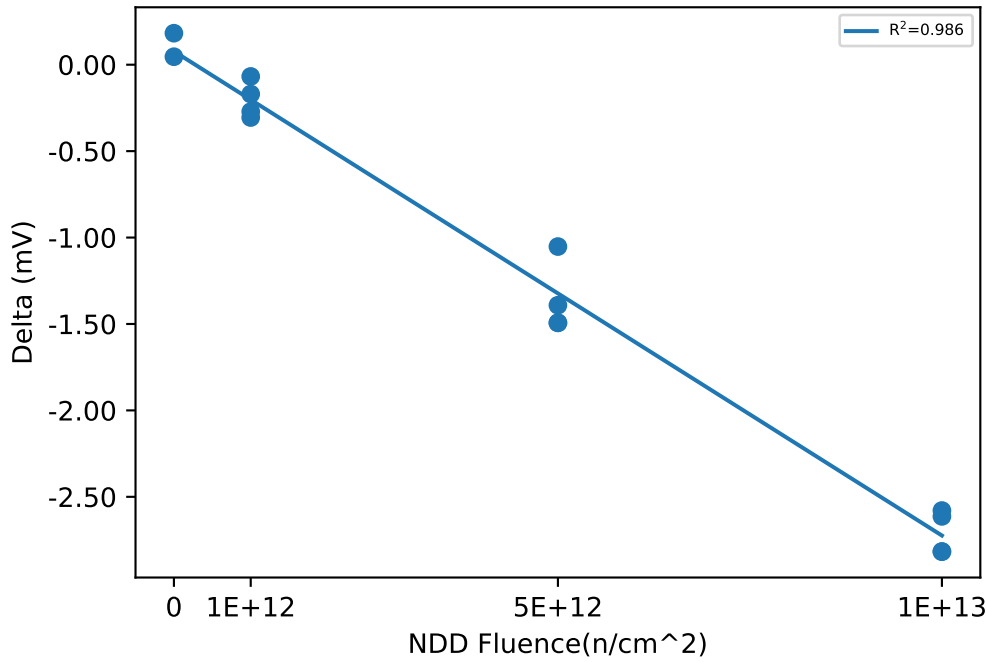
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.12	599.82	-0.3055
2	1e+12	NDD Unbiased	601.21	600.94	-0.2715
3	1e+12	NDD Unbiased	600.63	600.46	-0.1697
4	1e+12	NDD Unbiased	600.09	600.02	-0.0679
5	5e+12	NDD Unbiased	600.63	599.14	-1.4933
6	5e+12	NDD Unbiased	600.97	599.48	-1.4933
7	5e+12	NDD Unbiased	600.94	599.88	-1.0521
8	5e+12	NDD Unbiased	600.5	599.1	-1.3915
9	1e+13	NDD Unbiased	600.9	598.29	-2.6132
10	1e+13	NDD Unbiased	601.31	598.73	-2.5793
11	1e+13	NDD Unbiased	599.95	597.14	-2.8169
12	1e+13	NDD Unbiased	599.85	597.03	-2.8168
53	0	Correlation	600.8	600.98	0.1823
54	0	Correlation	600.19	600.24	0.0462

NDD vs Post - Pre Exposure Delta

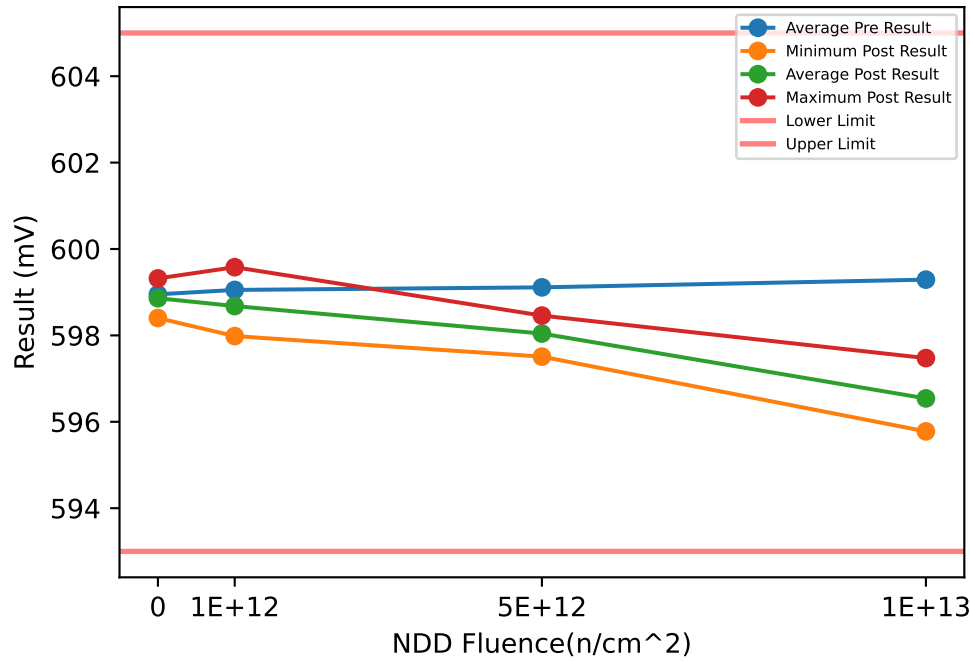


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.19	600.5	600.8	0.43197	600.24	600.61	600.98	0.52821	0.0462	0.11425	0.1823	0.096237
1e+12	600.09	600.51	601.21	0.52613	599.82	600.31	600.94	0.49765	-0.3055	-0.20365	-0.0679	0.10733
5e+12	600.5	600.76	600.97	0.23246	599.1	599.4	599.88	0.36383	-1.4933	-1.3575	-1.0521	0.20921
1e+13	599.85	600.5	601.31	0.7164	597.03	597.8	598.73	0.84346	-2.8169	-2.7065	-2.5793	0.12811

Device Test: 19.18 VTH_SENSE(_LEVEL|RISE/SENSE3/7/3/0/0/0/@VTH_SENSE)

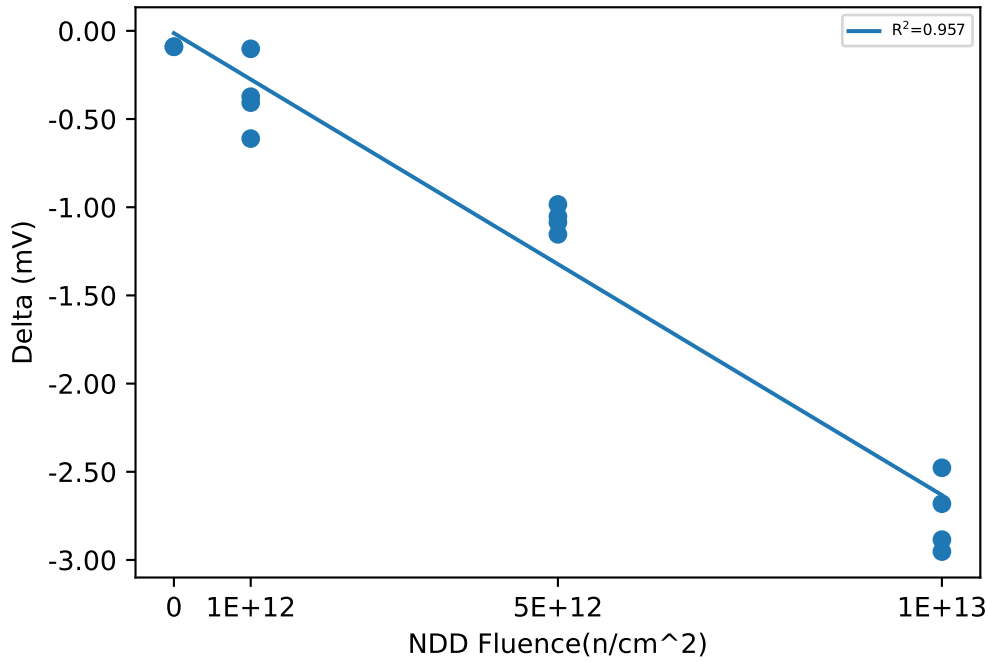
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.9	598.29	-0.6109
2	1e+12	NDD Unbiased	599.95	599.58	-0.3734
3	1e+12	NDD Unbiased	598.39	597.98	-0.4072
4	1e+12	NDD Unbiased	598.97	598.87	-0.1019
5	5e+12	NDD Unbiased	598.49	597.51	-0.9842
6	5e+12	NDD Unbiased	599.54	598.46	-1.086
7	5e+12	NDD Unbiased	599.31	598.15	-1.1538
8	5e+12	NDD Unbiased	599.1	598.05	-1.0521
9	1e+13	NDD Unbiased	599.21	596.25	-2.9525
10	1e+13	NDD Unbiased	600.16	597.47	-2.6811
11	1e+13	NDD Unbiased	599.54	596.66	-2.8847
12	1e+13	NDD Unbiased	598.26	595.78	-2.4774
53	0	Correlation	599.41	599.32	-0.0901
54	0	Correlation	598.49	598.4	-0.0905

NDD vs Post - Pre Exposure Delta

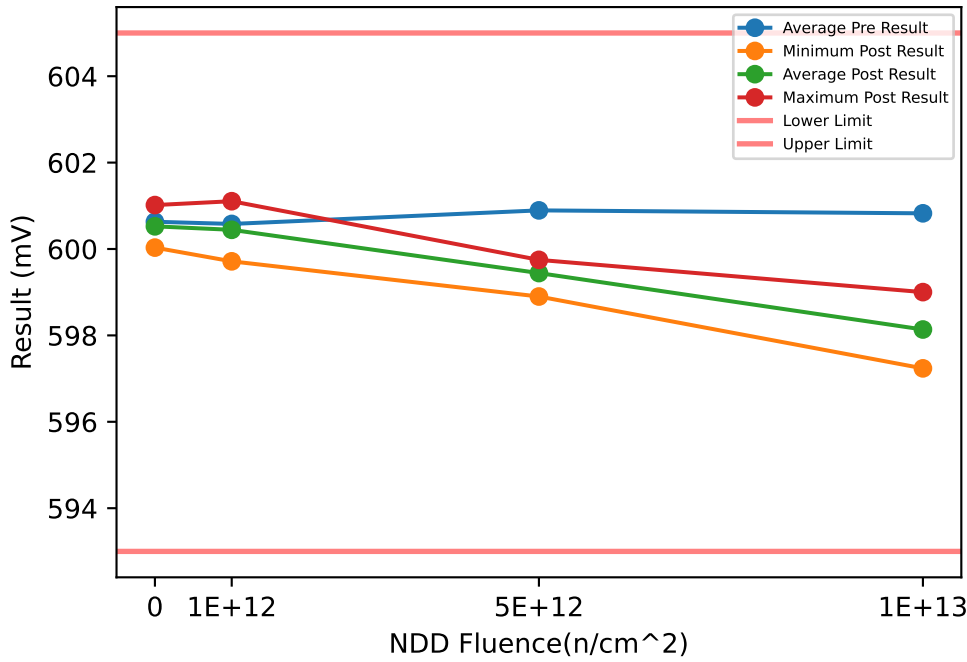


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.49	598.95	599.41	0.64799	598.4	598.86	599.32	0.64828	-0.0905	-0.0903	-0.0901	0.00028284
1e+12	598.39	599.05	599.95	0.65254	597.98	598.68	599.58	0.70235	-0.6109	-0.37335	-0.1019	0.20917
5e+12	598.49	599.11	599.54	0.45056	597.51	598.04	598.46	0.39617	-1.1538	-1.069	-0.9842	0.070609
1e+13	598.26	599.29	600.16	0.79421	595.78	596.54	597.47	0.71909	-2.9525	-2.7489	-2.4774	0.21463

Device Test: 19.19 VTH_SENSE(_LEVEL|FALL/SENSE3/7/3/0/0/0/@VTH_SENSE)

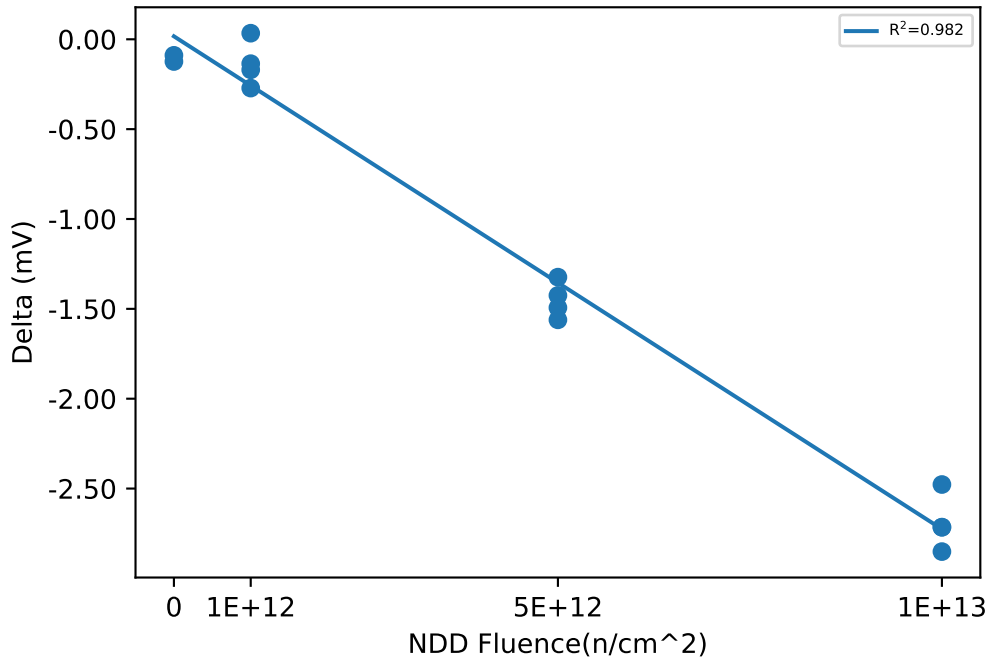
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.5	600.53	0.0339
2	1e+12	NDD Unbiased	601.38	601.11	-0.2715
3	1e+12	NDD Unbiased	599.88	599.71	-0.1697
4	1e+12	NDD Unbiased	600.56	600.43	-0.1357
5	5e+12	NDD Unbiased	600.46	598.9	-1.5611
6	5e+12	NDD Unbiased	601.24	599.75	-1.4933
7	5e+12	NDD Unbiased	600.94	599.61	-1.3236
8	5e+12	NDD Unbiased	600.94	599.51	-1.4254
9	1e+13	NDD Unbiased	600.7	598.22	-2.4775
10	1e+13	NDD Unbiased	601.72	599	-2.715
11	1e+13	NDD Unbiased	600.94	598.09	-2.8508
12	1e+13	NDD Unbiased	599.95	597.24	-2.715
53	0	Correlation	601.11	601.02	-0.0892
54	0	Correlation	600.16	600.03	-0.1236

NDD vs Post - Pre Exposure Delta

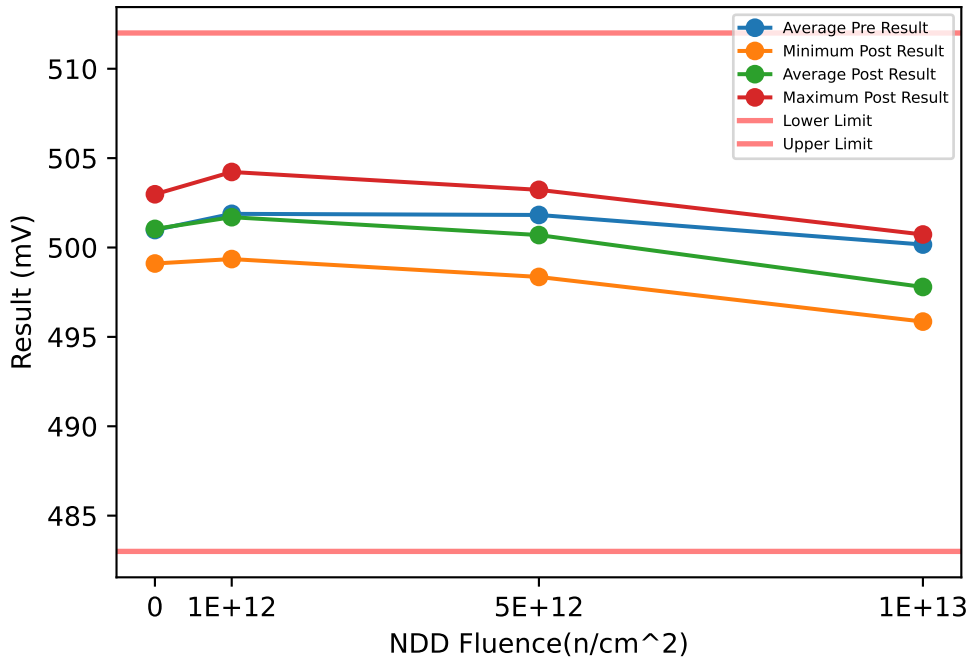


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.16	600.63	601.11	0.67196	600.03	600.52	601.02	0.69629	-0.1236	-0.1064	-0.0892	0.024324
1e+12	599.88	600.58	601.38	0.61309	599.71	600.44	601.11	0.57094	-0.2715	-0.13575	0.0339	0.12697
5e+12	600.46	600.89	601.24	0.32243	598.9	599.44	599.75	0.37485	-1.5611	-1.4509	-1.3236	0.10132
1e+13	599.95	600.83	601.72	0.727	597.24	598.14	599	0.72283	-2.8508	-2.6896	-2.4775	0.1552

Device Test: 19.2 VTH_DOWN(_LEVEL|FALL/DOWNb/1.6/3/0/0/0/@VTH_DOWN)

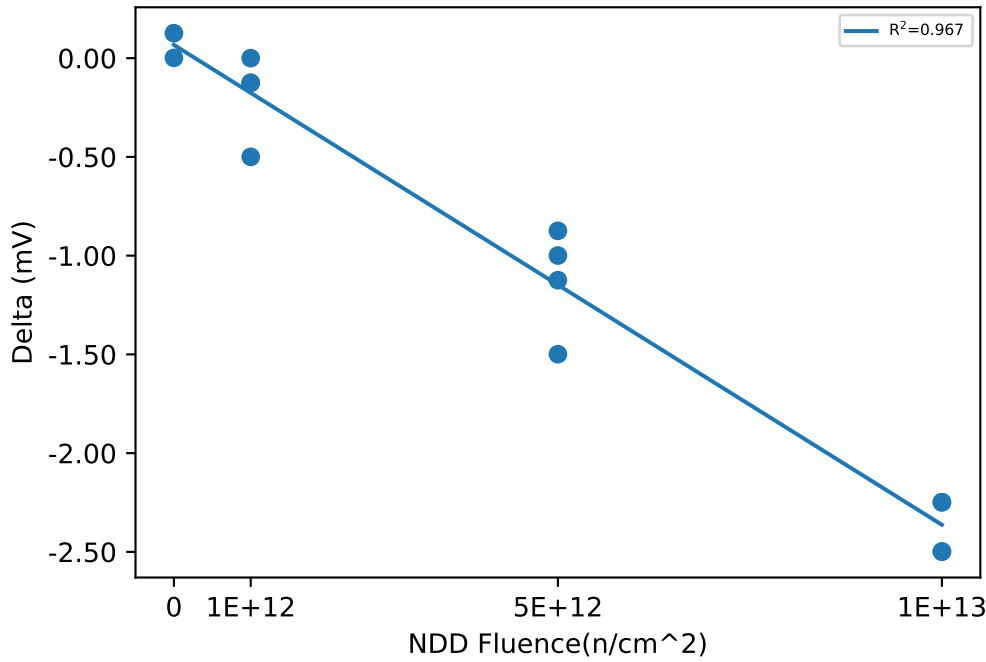
NDD vs Result Stats



Test Results (Lower Limit = 483.0, Upper Limit = 512.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	501.85	501.73	-0.125
2	1e+12	NDD Unbiased	504.73	504.23	-0.4997
3	1e+12	NDD Unbiased	501.48	501.48	0
4	1e+12	NDD Unbiased	499.48	499.35	-0.125
5	5e+12	NDD Unbiased	502.1	500.98	-1.1243
6	5e+12	NDD Unbiased	504.1	503.23	-0.8744
7	5e+12	NDD Unbiased	501.23	500.23	-0.9993
8	5e+12	NDD Unbiased	499.85	498.35	-1.499
9	1e+13	NDD Unbiased	500.6	498.35	-2.2486
10	1e+13	NDD Unbiased	503.23	500.73	-2.4985
11	1e+13	NDD Unbiased	498.73	496.23	-2.4985
12	1e+13	NDD Unbiased	498.1	495.86	-2.2486
53	0	Correlation	498.98	499.11	0.1264
54	0	Correlation	502.98	502.98	0.0016

NDD vs Post - Pre Exposure Delta

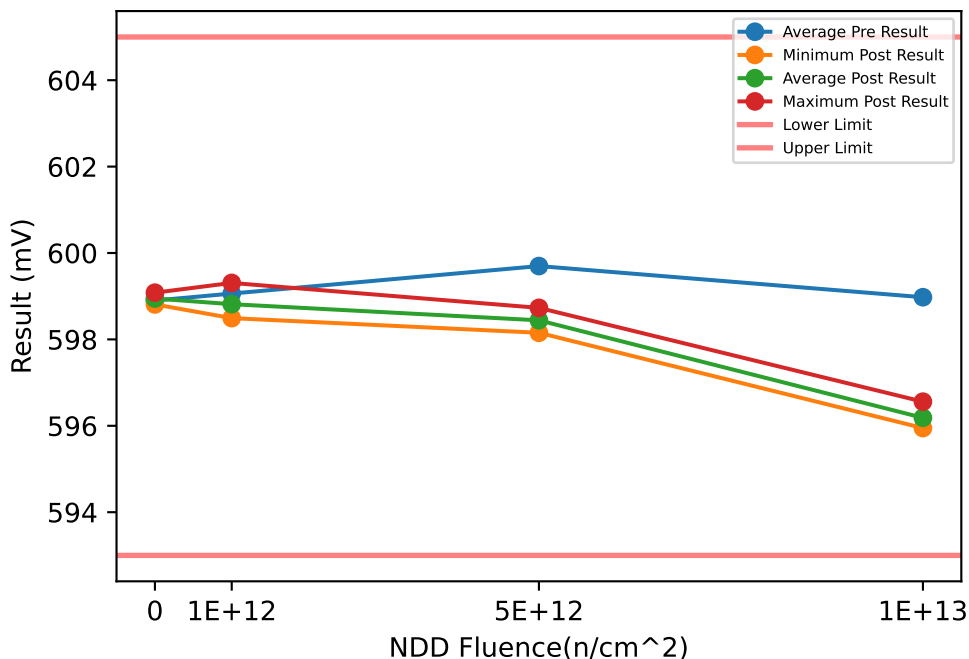


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.98	500.98	502.98	2.8267	499.11	501.04	502.98	2.7384	0.0016	0.064	0.1264	0.088247
1e+12	499.48	501.88	504.73	2.1622	499.35	501.7	504.23	1.9946	-0.4997	-0.18743	0	0.21636
5e+12	499.85	501.82	504.1	1.7795	498.35	500.7	503.23	2.0153	-1.499	-1.1243	-0.8744	0.26986
1e+13	498.1	500.17	503.23	2.3001	495.86	497.79	500.73	2.2452	-2.4985	-2.3735	-2.2486	0.14428

Device Test: 19.20 VTH_SENSE(_LEVEL|RISE/SENSE4/7/3/0/0/0/@VTH_SENSE)

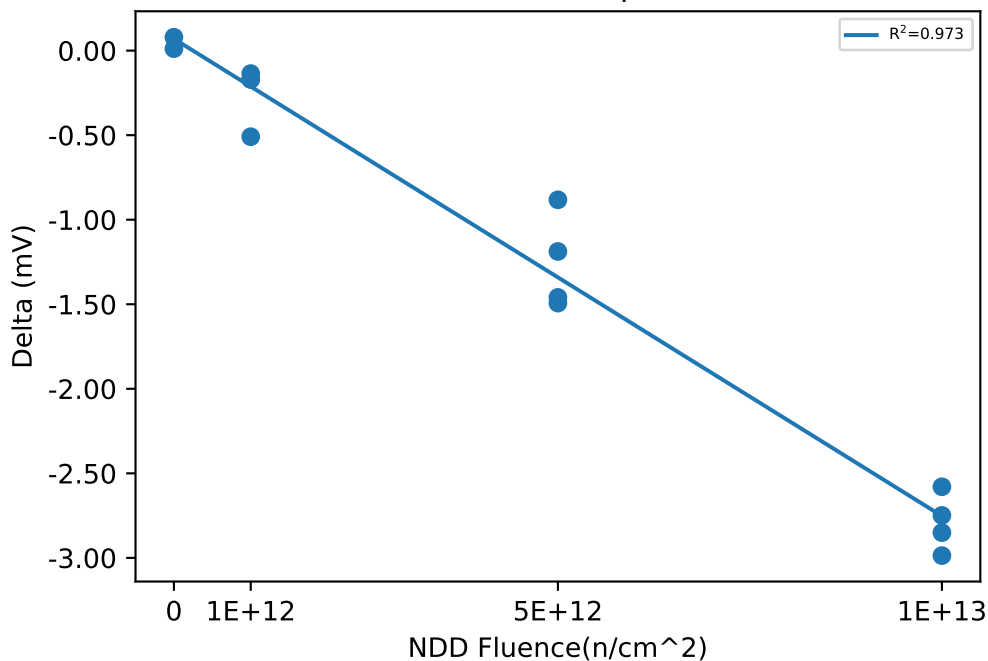
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.66	598.49	-0.1697
2	1e+12	NDD Unbiased	599.82	599.31	-0.5091
3	1e+12	NDD Unbiased	598.76	598.63	-0.1357
4	1e+12	NDD Unbiased	599	598.83	-0.1697
5	5e+12	NDD Unbiased	599.04	598.15	-0.8823
6	5e+12	NDD Unbiased	600.05	598.56	-1.4933
7	5e+12	NDD Unbiased	599.92	598.73	-1.1878
8	5e+12	NDD Unbiased	599.78	598.32	-1.4594
9	1e+13	NDD Unbiased	598.97	595.98	-2.9865
10	1e+13	NDD Unbiased	599.41	596.56	-2.8508
11	1e+13	NDD Unbiased	599	596.25	-2.7489
12	1e+13	NDD Unbiased	598.53	595.95	-2.5793
53	0	Correlation	599.07	599.08	0.0116
54	0	Correlation	598.73	598.81	0.0794

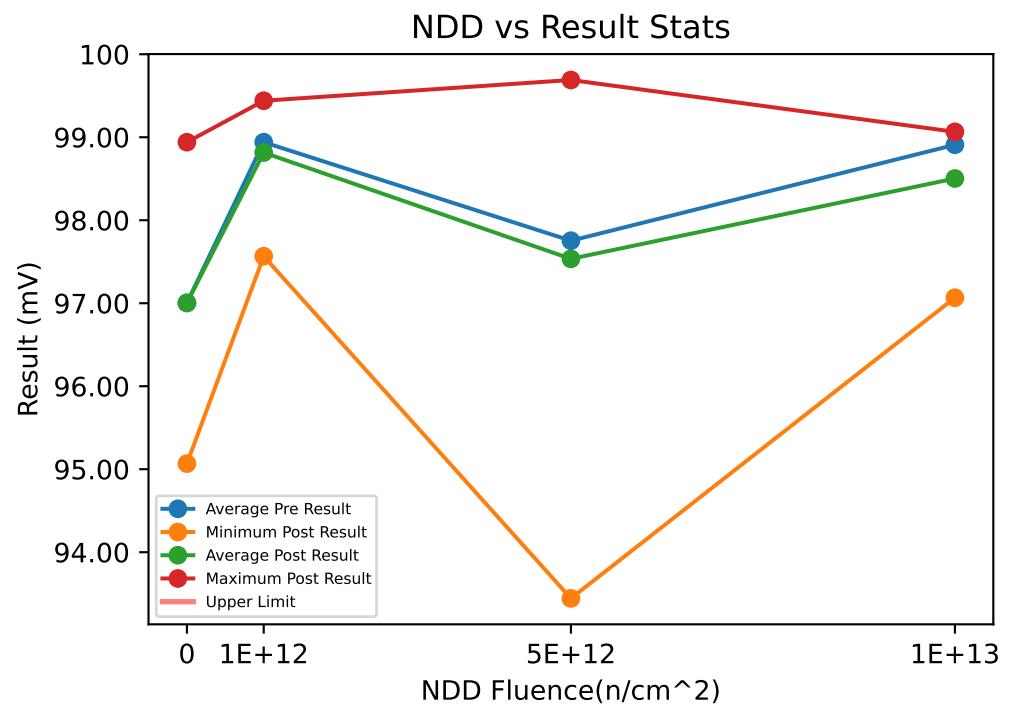
NDD vs Post - Pre Exposure Delta



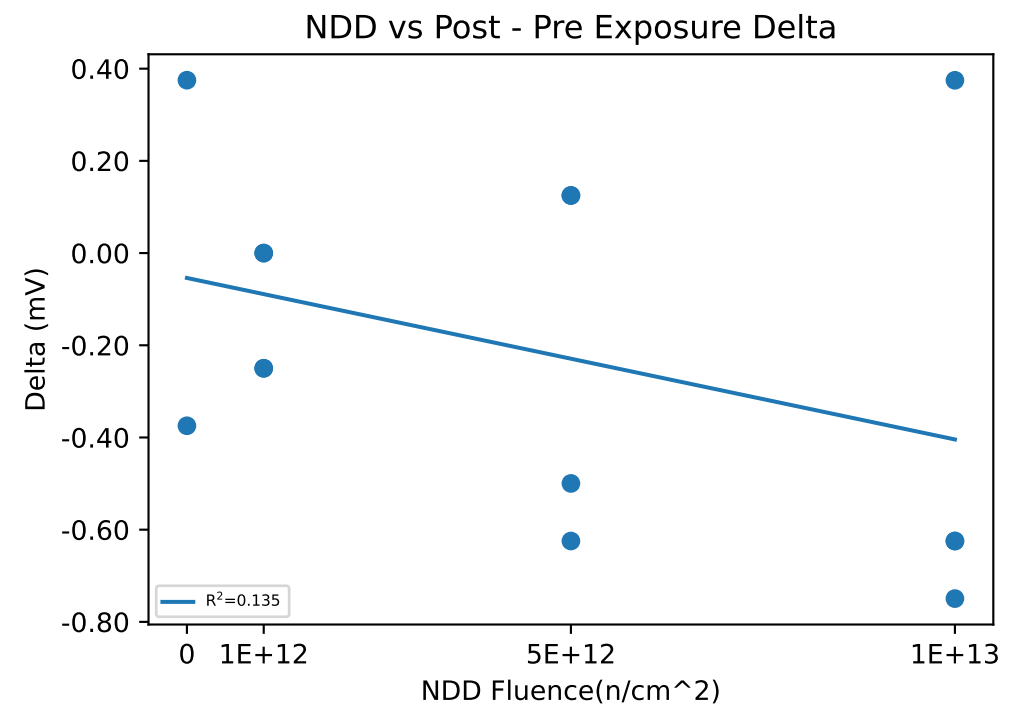
Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.73	598.9	599.07	0.23999	598.81	598.95	599.08	0.19205	0.0116	0.0455	0.0794	0.047942
1e+12	598.66	599.06	599.82	0.52312	598.49	598.82	599.31	0.35647	-0.5091	-0.24605	-0.1357	0.1761
5e+12	599.04	599.7	600.05	0.45493	598.15	598.44	598.73	0.25471	-1.4933	-1.2557	-0.8823	0.28401
1e+13	598.53	598.98	599.41	0.36064	595.95	596.18	596.56	0.28394	-2.9865	-2.7914	-2.5793	0.17164

Device Test: 19.22 UP_DOWN_VHYS(_LEVEL|HYS/UP/7/3/0/0/0/@UP_DOWN_VHYS)



Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	99.44	99.44	-0.0001
2	1e+12	NDD Unbiased	98.815	98.815	0
3	1e+12	NDD Unbiased	99.69	99.44	-0.25
4	1e+12	NDD Unbiased	97.816	97.566	-0.2498
5	5e+12	NDD Unbiased	99.565	98.94	-0.6246
6	5e+12	NDD Unbiased	99.565	99.69	0.125
7	5e+12	NDD Unbiased	93.943	93.443	-0.4997
8	5e+12	NDD Unbiased	97.941	98.066	0.1249
9	1e+13	NDD Unbiased	99.69	99.065	-0.6246
10	1e+13	NDD Unbiased	96.691	97.066	0.3748
11	1e+13	NDD Unbiased	99.69	98.94	-0.7495
12	1e+13	NDD Unbiased	99.565	98.94	-0.6246
53	0	Correlation	98.565	98.94	0.375
54	0	Correlation	95.442	95.068	-0.3746

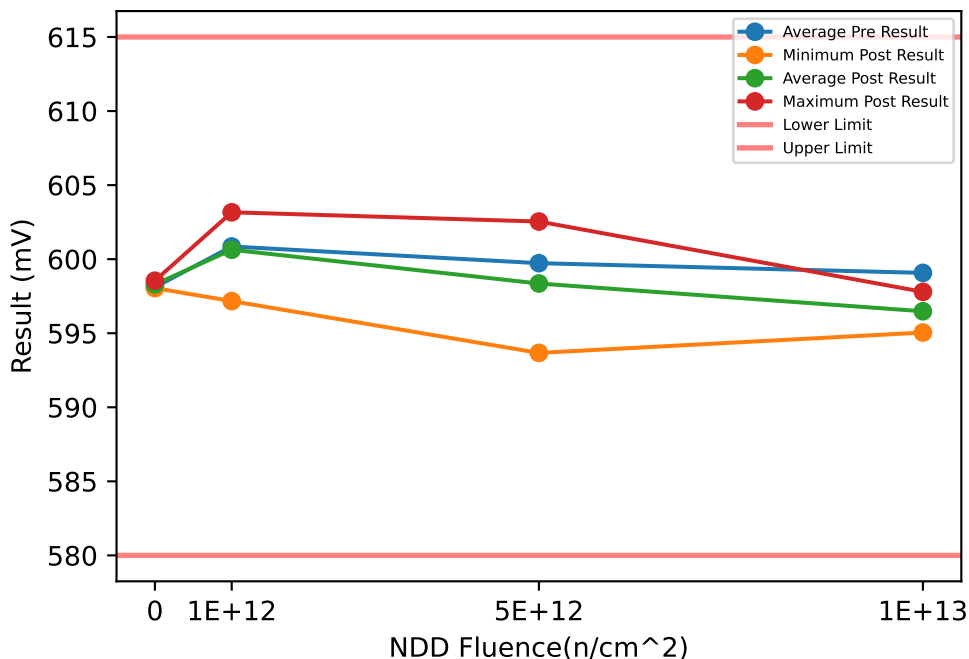


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.442	97.004	98.565	2.2084	95.068	97.004	98.94	2.7384	-0.3746	0.0002	0.375	0.53005
1e+12	97.816	98.94	99.69	0.83492	97.566	98.815	99.44	0.88327	-0.25	-0.12497	0	0.14425
5e+12	93.943	97.753	99.565	2.653	93.443	97.535	99.69	2.8071	-0.6246	-0.2186	0.125	0.39996
1e+13	96.691	98.909	99.69	1.4795	97.066	98.503	99.065	0.95957	-0.7495	-0.40598	0.3748	0.52384

Device Test: 19.23 VTH_UP(_LEVEL|RISE/UP/1.6/14/0/0/0/@VTH_UP)

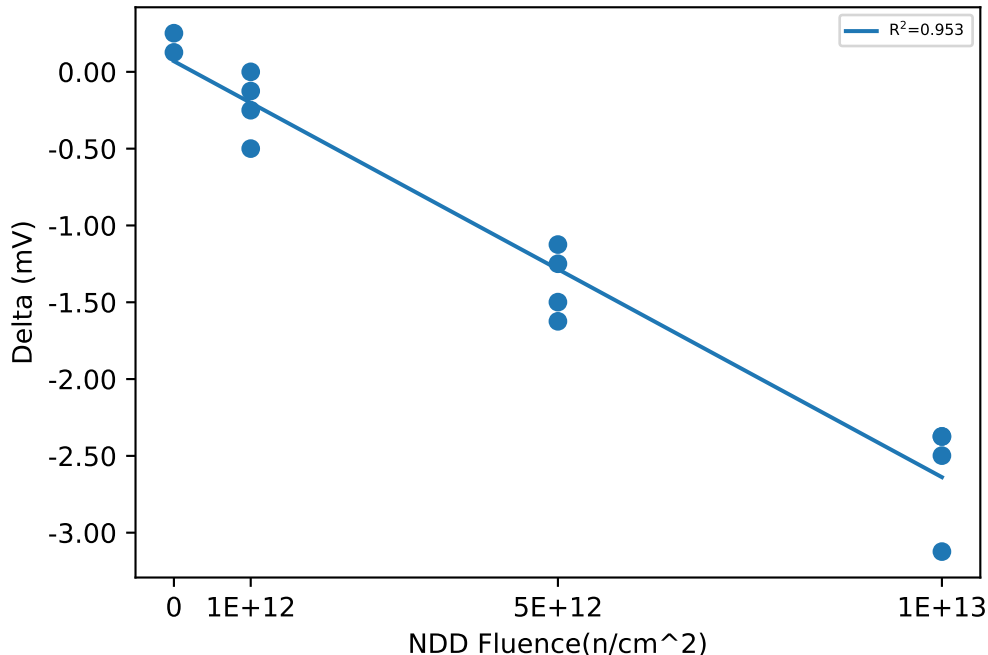
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 615.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	601.42	601.17	-0.2498
2	1e+12	NDD Unbiased	603.67	603.17	-0.4997
3	1e+12	NDD Unbiased	601.17	601.04	-0.1249
4	1e+12	NDD Unbiased	597.17	597.17	0
5	5e+12	NDD Unbiased	601.79	600.67	-1.1243
6	5e+12	NDD Unbiased	604.04	602.54	-1.4991
7	5e+12	NDD Unbiased	595.3	593.67	-1.624
8	5e+12	NDD Unbiased	597.79	596.54	-1.2493
9	1e+13	NDD Unbiased	600.17	597.79	-2.3736
10	1e+13	NDD Unbiased	600.04	597.54	-2.4984
11	1e+13	NDD Unbiased	598.67	595.55	-3.1231
12	1e+13	NDD Unbiased	597.42	595.05	-2.3735
53	0	Correlation	597.92	598.05	0.1267
54	0	Correlation	598.29	598.54	0.2516

NDD vs Post - Pre Exposure Delta

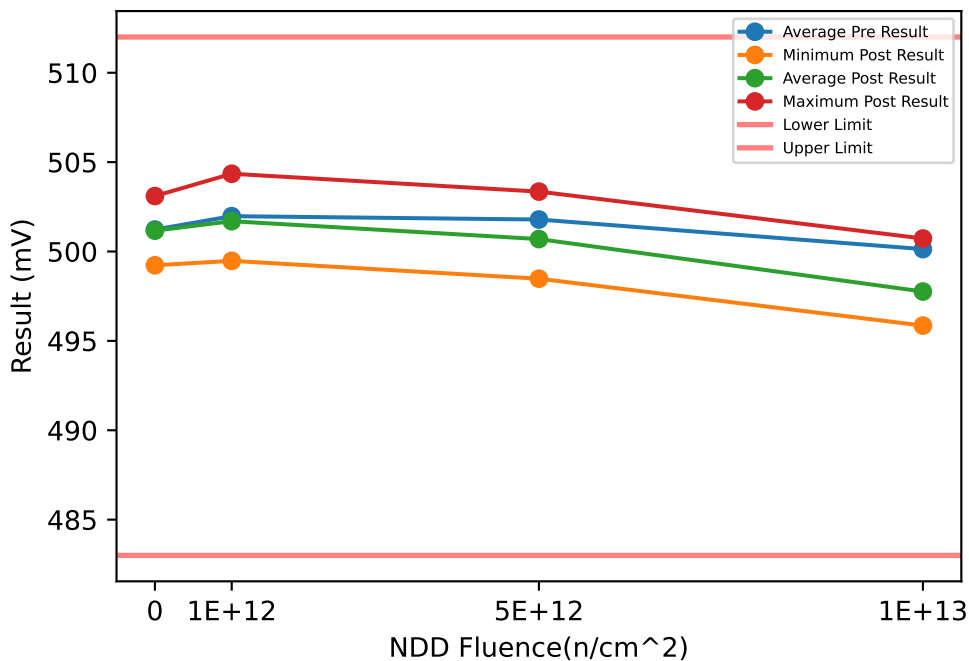


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.92	598.11	598.29	0.26502	598.05	598.3	598.54	0.35334	0.1267	0.18915	0.2516	0.088318
1e+12	597.17	600.85	603.67	2.7016	597.17	600.64	603.17	2.5076	-0.4997	-0.2186	0	0.21335
5e+12	595.3	599.73	604.04	3.9261	593.67	598.36	602.54	4.0035	-1.624	-1.3742	-1.1243	0.22807
1e+13	597.42	599.07	600.17	1.2958	595.05	596.48	597.79	1.3892	-3.1231	-2.5921	-2.3735	0.35883

Device Test: 19.24 VTH_DOWN(_LEVEL|FALL/DOWNb/1.6/14/0/0/0/@VTH_DOWN)

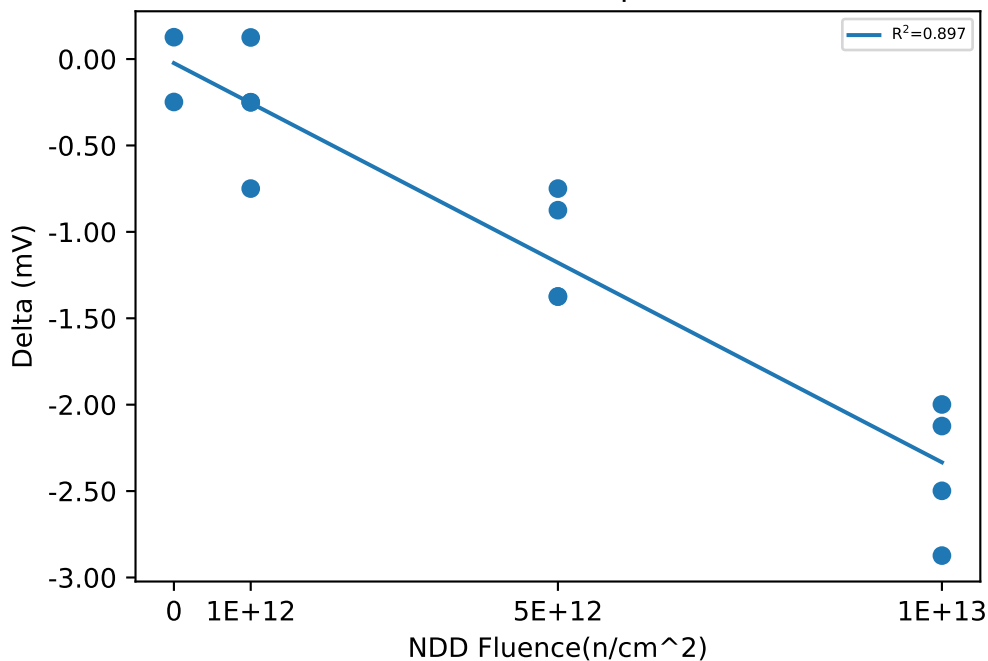
NDD vs Result Stats



Test Results (Lower Limit = 483.0, Upper Limit = 512.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	501.98	501.73	-0.2498
2	1e+12	NDD Unbiased	505.1	504.35	-0.7495
3	1e+12	NDD Unbiased	501.48	501.23	-0.2499
4	1e+12	NDD Unbiased	499.35	499.48	0.125
5	5e+12	NDD Unbiased	501.85	500.98	-0.8745
6	5e+12	NDD Unbiased	504.1	503.35	-0.7495
7	5e+12	NDD Unbiased	501.35	499.98	-1.3742
8	5e+12	NDD Unbiased	499.85	498.48	-1.3741
9	1e+13	NDD Unbiased	500.48	498.35	-2.1237
10	1e+13	NDD Unbiased	503.23	500.73	-2.4985
11	1e+13	NDD Unbiased	498.98	496.11	-2.8733
12	1e+13	NDD Unbiased	497.85	495.86	-1.9987
53	0	Correlation	499.48	499.23	-0.2484
54	0	Correlation	502.98	503.1	0.1265

NDD vs Post - Pre Exposure Delta

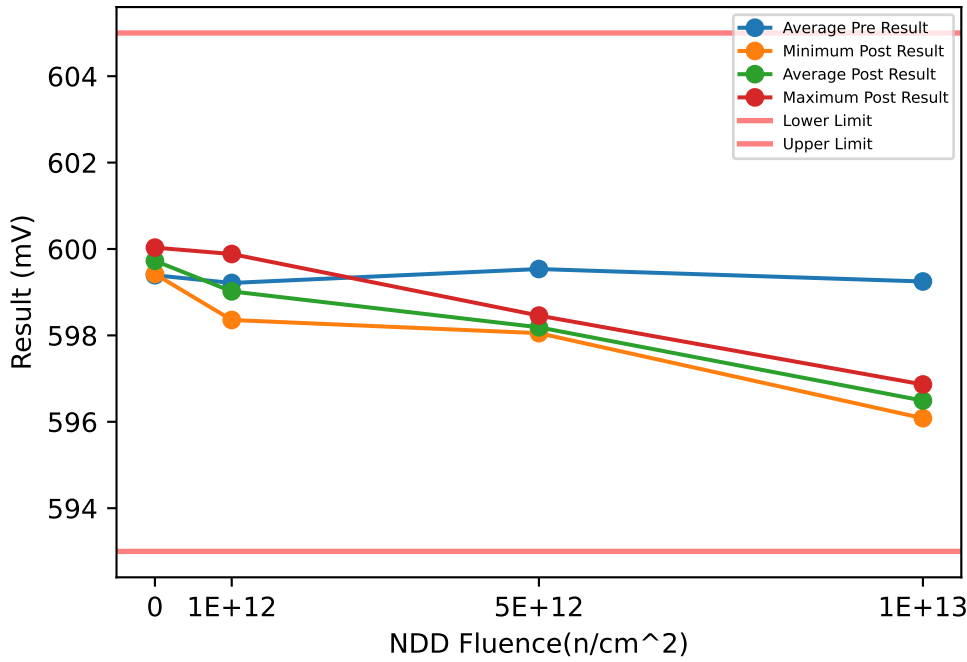


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.48	501.23	502.98	2.4733	499.23	501.17	503.1	2.7384	-0.2484	-0.06095	0.1265	0.26509
1e+12	499.35	501.98	505.1	2.3725	499.48	501.7	504.35	2.0153	-0.7495	-0.28105	0.125	0.35883
5e+12	499.85	501.79	504.1	1.7593	498.48	500.7	503.35	2.046	-1.3742	-1.0931	-0.7495	0.32854
1e+13	497.85	500.13	503.23	2.3246	495.86	497.76	500.73	2.2748	-2.8733	-2.3735	-1.9987	0.39509

Device Test: 19.25 VTH_SENSE(_LEVEL|RISE/SENSE1/1.6/14/0/0/0/@VTH_SENSE)

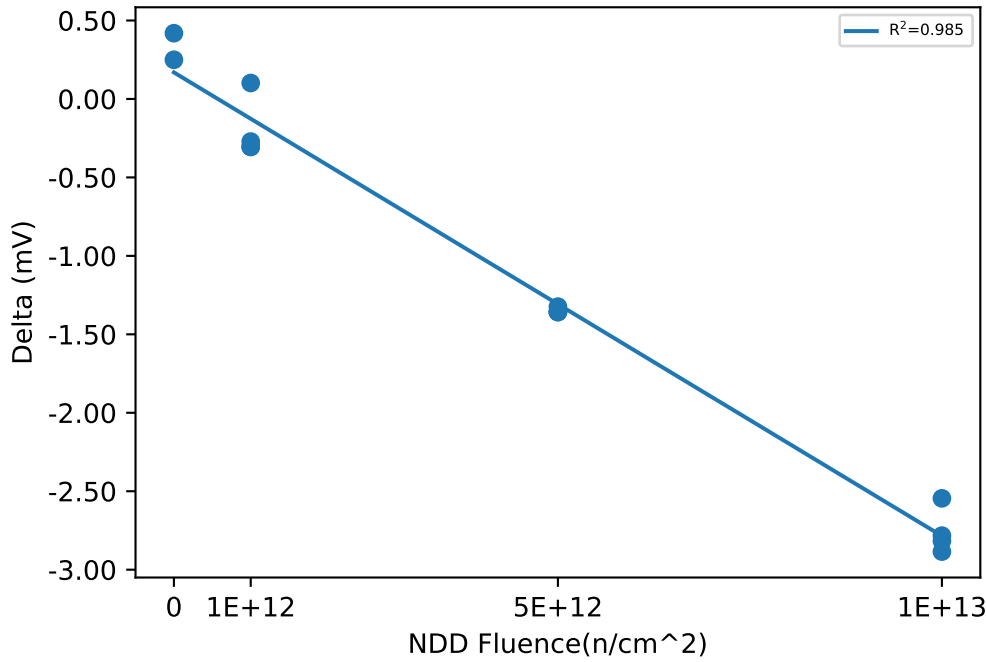
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.66	598.36	-0.3054
2	1e+12	NDD Unbiased	600.16	599.88	-0.2715
3	1e+12	NDD Unbiased	599.1	598.8	-0.3054
4	1e+12	NDD Unbiased	598.93	599.04	0.1018
5	5e+12	NDD Unbiased	599.44	598.09	-1.3575
6	5e+12	NDD Unbiased	599.82	598.46	-1.3575
7	5e+12	NDD Unbiased	599.41	598.05	-1.3576
8	5e+12	NDD Unbiased	599.48	598.15	-1.3235
9	1e+13	NDD Unbiased	599.75	596.86	-2.8847
10	1e+13	NDD Unbiased	599.54	596.76	-2.7829
11	1e+13	NDD Unbiased	599.07	596.25	-2.8168
12	1e+13	NDD Unbiased	598.63	596.08	-2.5453
53	0	Correlation	599.78	600.03	0.2497
54	0	Correlation	599	599.42	0.4191

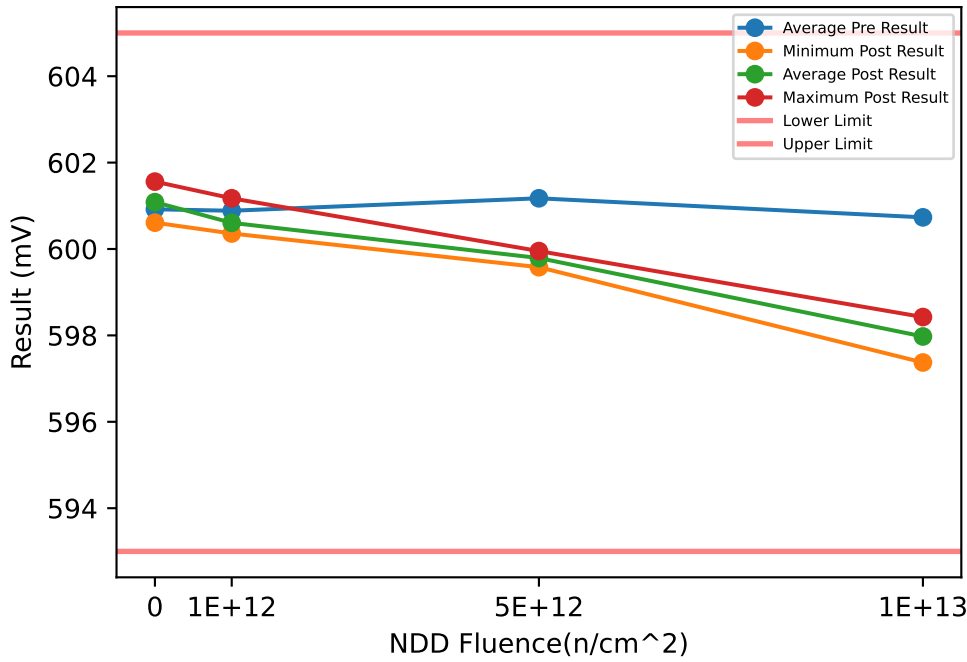
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599	599.39	599.78	0.55197	599.42	599.73	600.03	0.43218	0.2497	0.3344	0.4191	0.11978
1e+12	598.66	599.21	600.16	0.65363	598.36	599.02	599.88	0.64183	-0.3054	-0.19513	0.1018	0.19859
5e+12	599.41	599.54	599.82	0.18869	598.05	598.19	598.46	0.18589	-1.3576	-1.349	-1.3235	0.017017
1e+13	598.63	599.25	599.75	0.50135	596.08	596.49	596.86	0.38091	-2.8847	-2.7574	-2.5453	0.14761

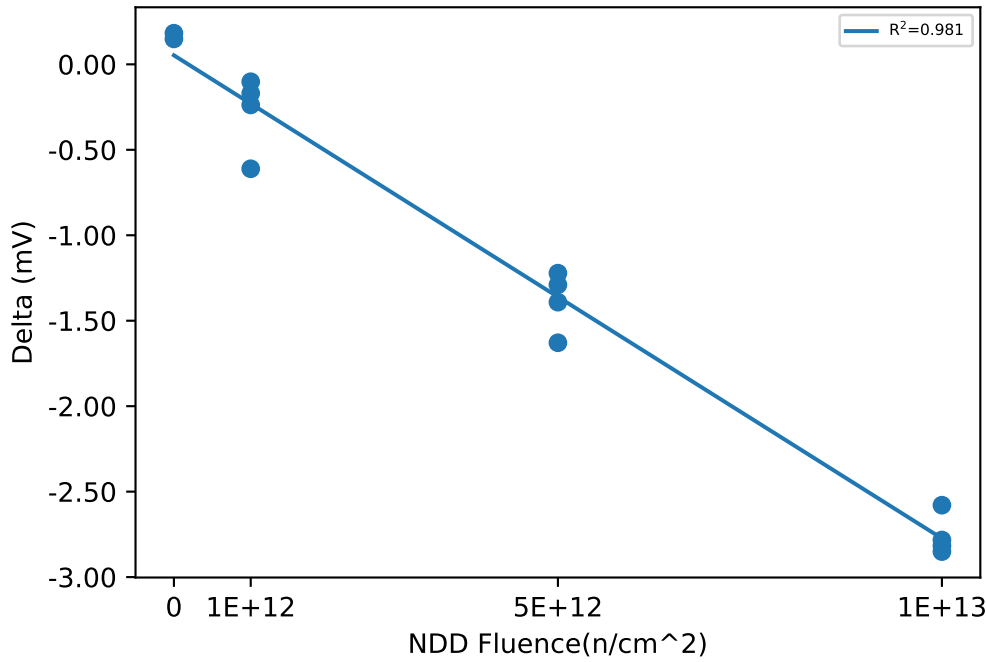
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.6	600.36	-0.2376
2	1e+12	NDD Unbiased	601.78	601.17	-0.6109
3	1e+12	NDD Unbiased	600.66	600.5	-0.1697
4	1e+12	NDD Unbiased	600.5	600.39	-0.1018
5	5e+12	NDD Unbiased	601.04	599.82	-1.2218
6	5e+12	NDD Unbiased	601.58	599.95	-1.629
7	5e+12	NDD Unbiased	600.97	599.58	-1.3915
8	5e+12	NDD Unbiased	601.11	599.82	-1.2897
9	1e+13	NDD Unbiased	601.21	598.42	-2.7829
10	1e+13	NDD Unbiased	601	598.42	-2.5792
11	1e+13	NDD Unbiased	600.5	597.68	-2.8169
12	1e+13	NDD Unbiased	600.22	597.37	-2.8508
53	0	Correlation	601.41	601.56	0.1487
54	0	Correlation	600.43	600.61	0.1822

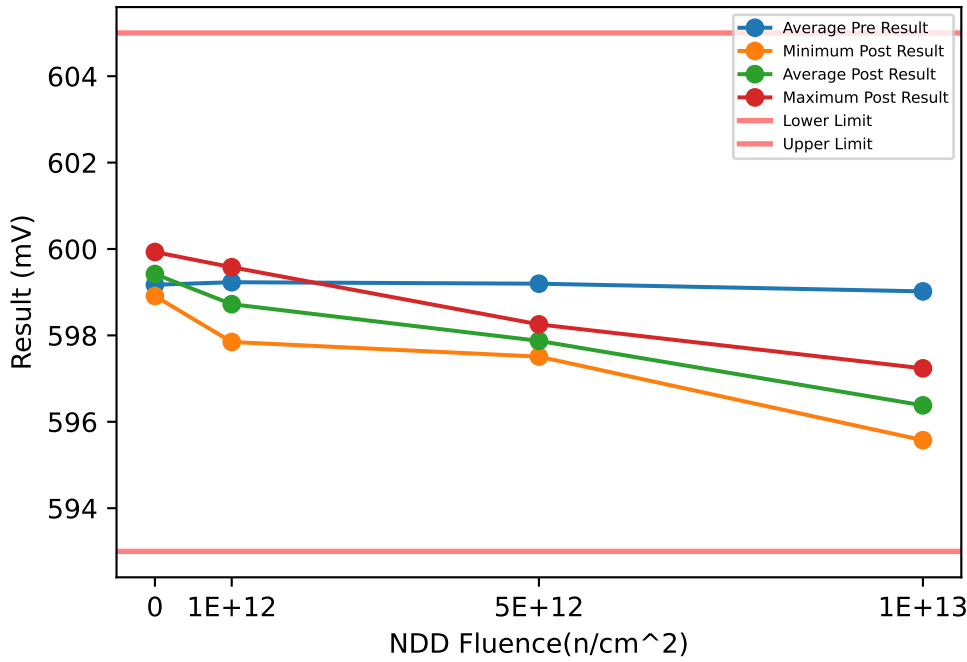
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.43	600.92	601.41	0.69593	600.61	601.08	601.56	0.67225	0.1487	0.16545	0.1822	0.023688
1e+12	600.5	600.89	601.78	0.60359	600.36	600.61	601.17	0.38332	-0.6109	-0.28	-0.1018	0.22746
5e+12	600.97	601.17	601.58	0.2771	599.58	599.79	599.95	0.15525	-1.629	-1.383	-1.2218	0.17821
1e+13	600.22	600.73	601.21	0.45277	597.37	597.98	598.42	0.53403	-2.8508	-2.7575	-2.5792	0.12202

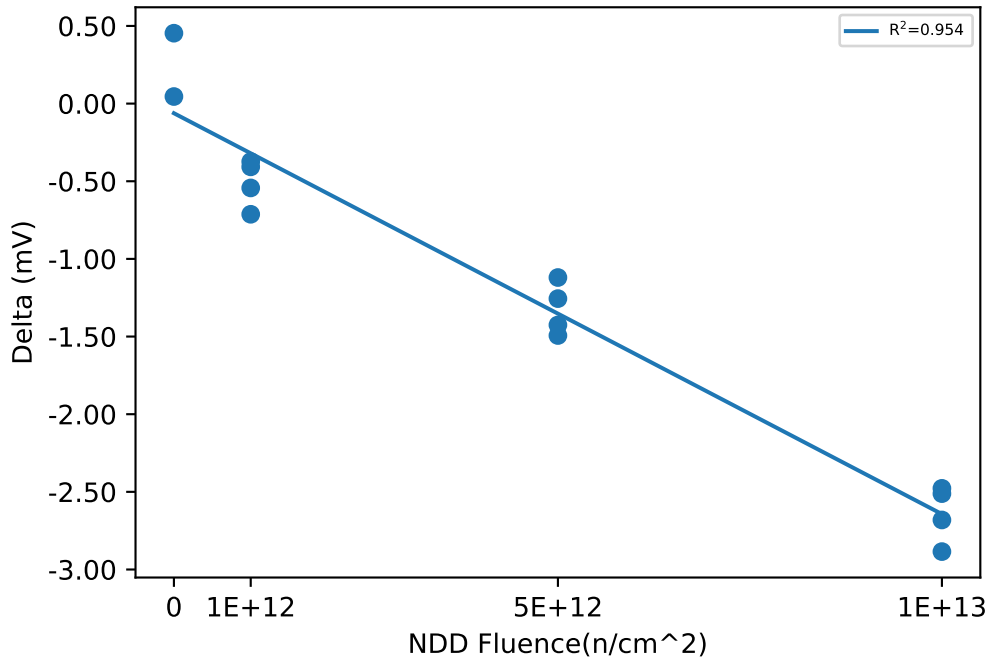
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.56	597.85	-0.7127
2	1e+12	NDD Unbiased	599.95	599.58	-0.3734
3	1e+12	NDD Unbiased	599.41	599	-0.4073
4	1e+12	NDD Unbiased	599	598.46	-0.543
5	5e+12	NDD Unbiased	599	597.51	-1.4933
6	5e+12	NDD Unbiased	599.44	598.02	-1.4254
7	5e+12	NDD Unbiased	599.38	598.26	-1.1199
8	5e+12	NDD Unbiased	598.97	597.71	-1.2557
9	1e+13	NDD Unbiased	599.38	596.9	-2.4774
10	1e+13	NDD Unbiased	599.92	597.24	-2.681
11	1e+13	NDD Unbiased	598.7	595.81	-2.8847
12	1e+13	NDD Unbiased	598.09	595.57	-2.5114
53	0	Correlation	599.48	599.93	0.4533
54	0	Correlation	598.87	598.91	0.0455

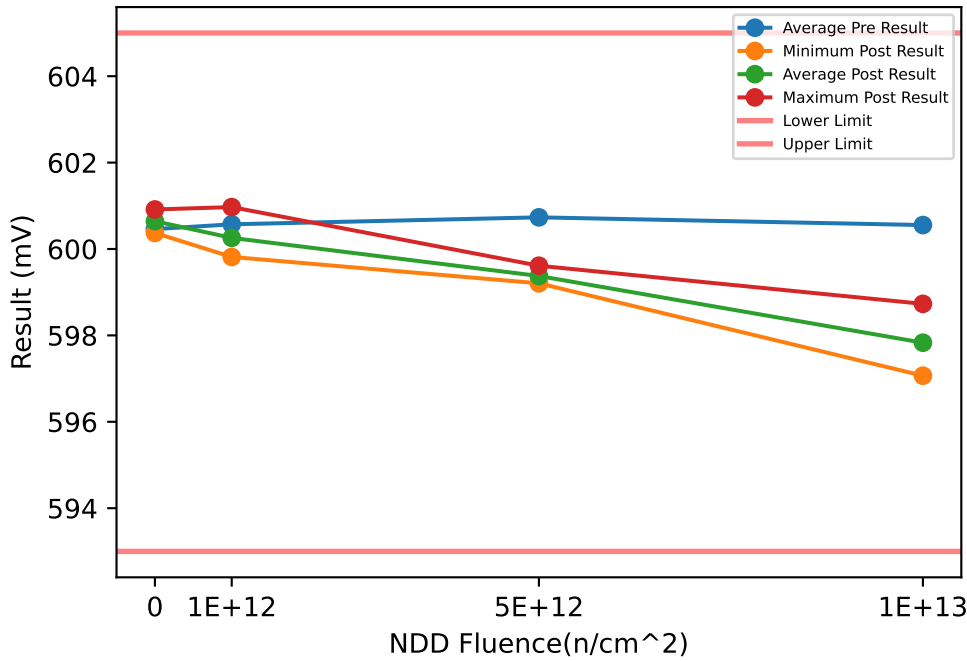
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.87	599.17	599.48	0.43197	598.91	599.42	599.93	0.72033	0.0455	0.2494	0.4533	0.28836
1e+12	598.56	599.23	599.95	0.59264	597.85	598.72	599.58	0.74062	-0.7127	-0.5091	-0.3734	0.15425
5e+12	598.97	599.2	599.44	0.24686	597.51	597.87	598.26	0.3295	-1.4933	-1.3236	-1.1199	0.16859
1e+13	598.09	599.02	599.92	0.79806	595.57	596.38	597.24	0.81139	-2.8847	-2.6386	-2.4774	0.18666

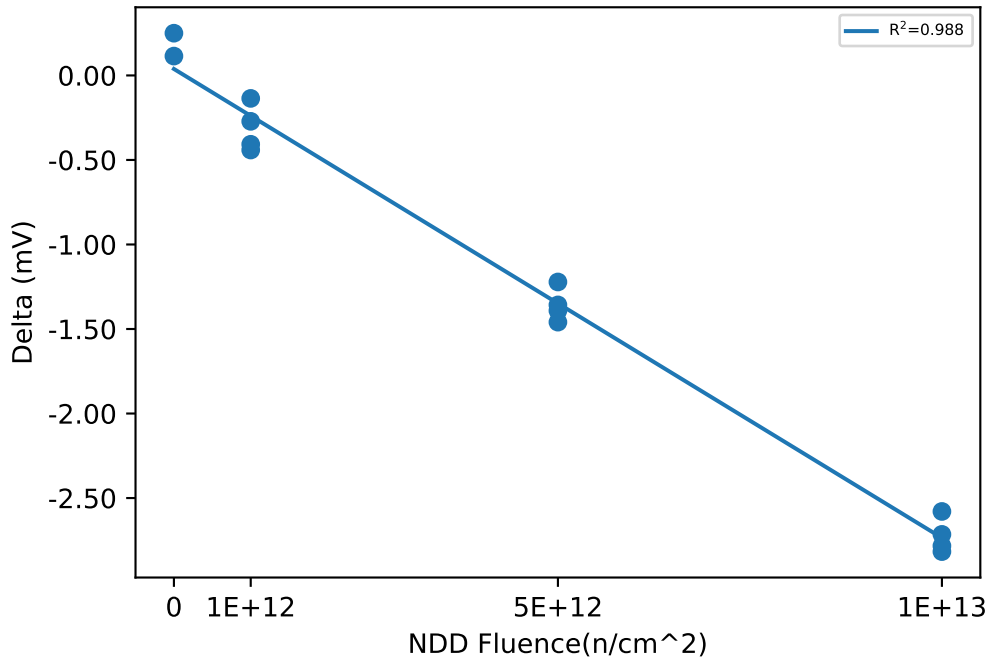
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	599.95	599.82	-0.1358
2	1e+12	NDD Unbiased	601.38	600.97	-0.4073
3	1e+12	NDD Unbiased	600.8	600.36	-0.4412
4	1e+12	NDD Unbiased	600.16	599.88	-0.2715
5	5e+12	NDD Unbiased	600.56	599.21	-1.3575
6	5e+12	NDD Unbiased	600.94	599.48	-1.4594
7	5e+12	NDD Unbiased	601	599.61	-1.3914
8	5e+12	NDD Unbiased	600.43	599.21	-1.2218
9	1e+13	NDD Unbiased	600.94	598.15	-2.7829
10	1e+13	NDD Unbiased	601.45	598.73	-2.715
11	1e+13	NDD Unbiased	599.95	597.37	-2.5793
12	1e+13	NDD Unbiased	599.88	597.07	-2.8168
53	0	Correlation	600.8	600.91	0.1145
54	0	Correlation	600.12	600.37	0.2499

NDD vs Post - Pre Exposure Delta

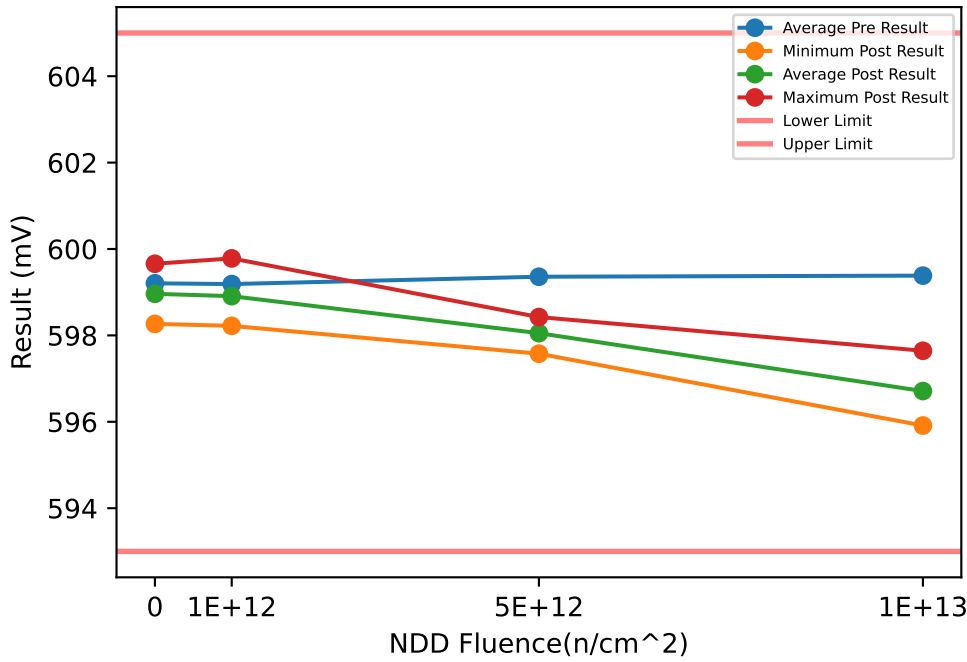


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.12	600.46	600.8	0.47991	600.37	600.64	600.91	0.38417	0.1145	0.1822	0.2499	0.095742
1e+12	599.95	600.57	601.38	0.64772	599.82	600.26	600.97	0.53301	-0.4412	-0.31395	-0.1358	0.13958
5e+12	600.43	600.73	601	0.28123	599.21	599.38	599.61	0.20364	-1.4594	-1.3575	-1.2218	0.099912
1e+13	599.88	600.55	601.45	0.76409	597.07	597.83	598.73	0.75404	-2.8168	-2.7235	-2.5793	0.10504

Device Test: 19.29 VTH_SENSE(_LEVEL|RISE/SENSE3/1.6/14/0/0/0/@VTH_SENSE)

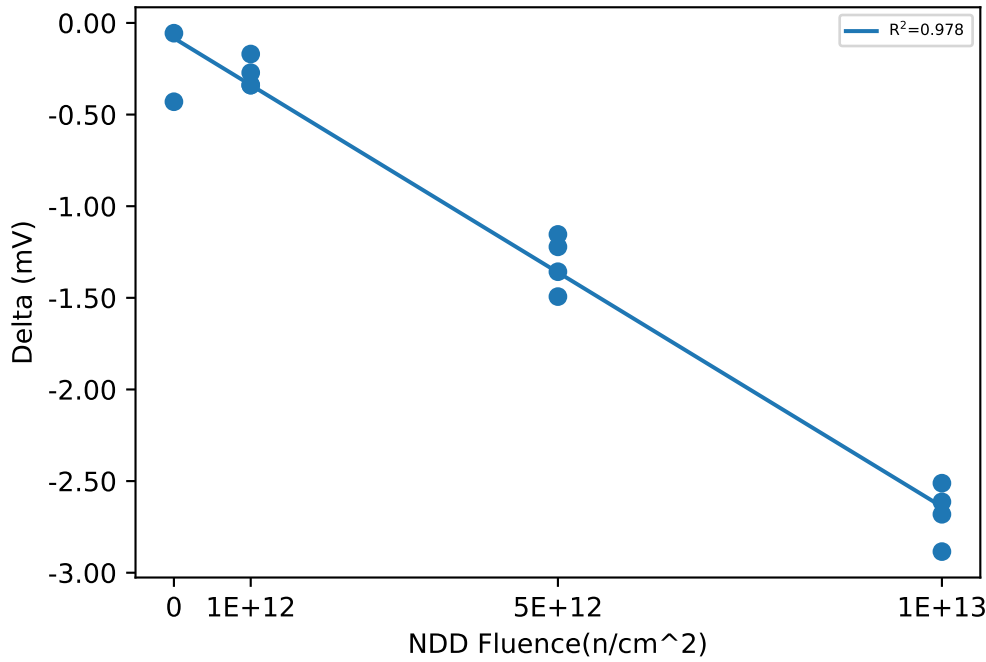
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.93	598.66	-0.2715
2	1e+12	NDD Unbiased	600.12	599.78	-0.3394
3	1e+12	NDD Unbiased	598.56	598.22	-0.3394
4	1e+12	NDD Unbiased	599.14	598.97	-0.1696
5	5e+12	NDD Unbiased	598.8	597.58	-1.2218
6	5e+12	NDD Unbiased	599.78	598.42	-1.3575
7	5e+12	NDD Unbiased	599.34	598.19	-1.1539
8	5e+12	NDD Unbiased	599.51	598.02	-1.4933
9	1e+13	NDD Unbiased	599.34	596.66	-2.6811
10	1e+13	NDD Unbiased	600.16	597.64	-2.5114
11	1e+13	NDD Unbiased	599.51	596.63	-2.8847
12	1e+13	NDD Unbiased	598.53	595.91	-2.6132
53	0	Correlation	599.71	599.66	-0.056
54	0	Correlation	598.7	598.27	-0.43

NDD vs Post - Pre Exposure Delta

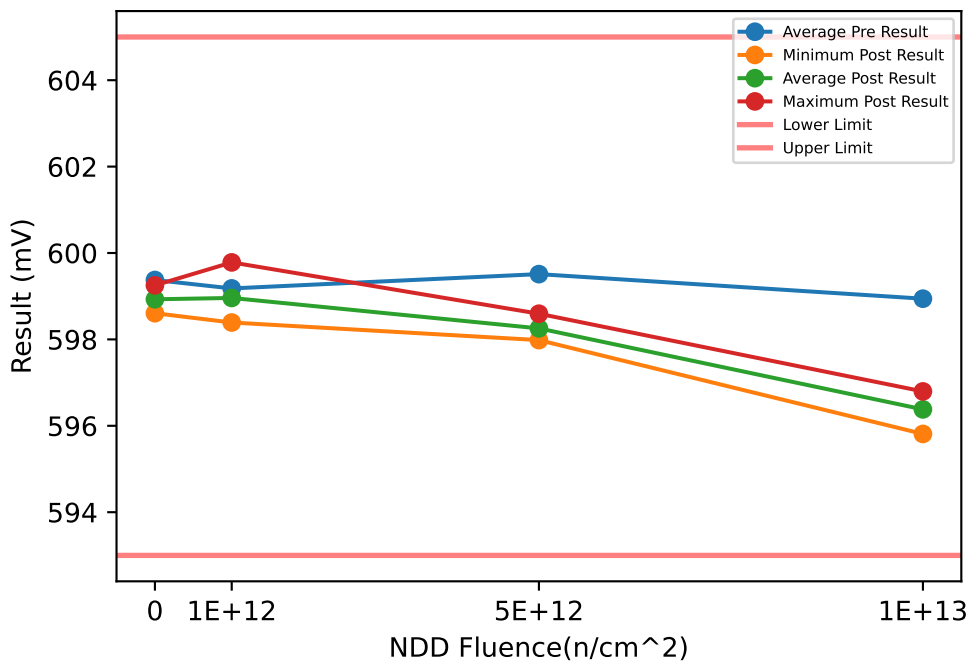


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.7	599.21	599.71	0.71991	598.27	598.96	599.66	0.98436	-0.43	-0.243	-0.056	0.26446
1e+12	598.56	599.19	600.12	0.66652	598.22	598.91	599.78	0.65833	-0.3394	-0.27998	-0.1696	0.080244
5e+12	598.8	599.36	599.78	0.41519	597.58	598.05	598.42	0.35811	-1.4933	-1.3066	-1.1539	0.15051
1e+13	598.53	599.38	600.16	0.67043	595.91	596.71	597.64	0.71106	-2.8847	-2.6726	-2.5114	0.15766

Device Test: 19.3 VTH_SENSE(_LEVEL|RISE/SENSE1/1.6/3/0/0/0/@VTH_SENSE)

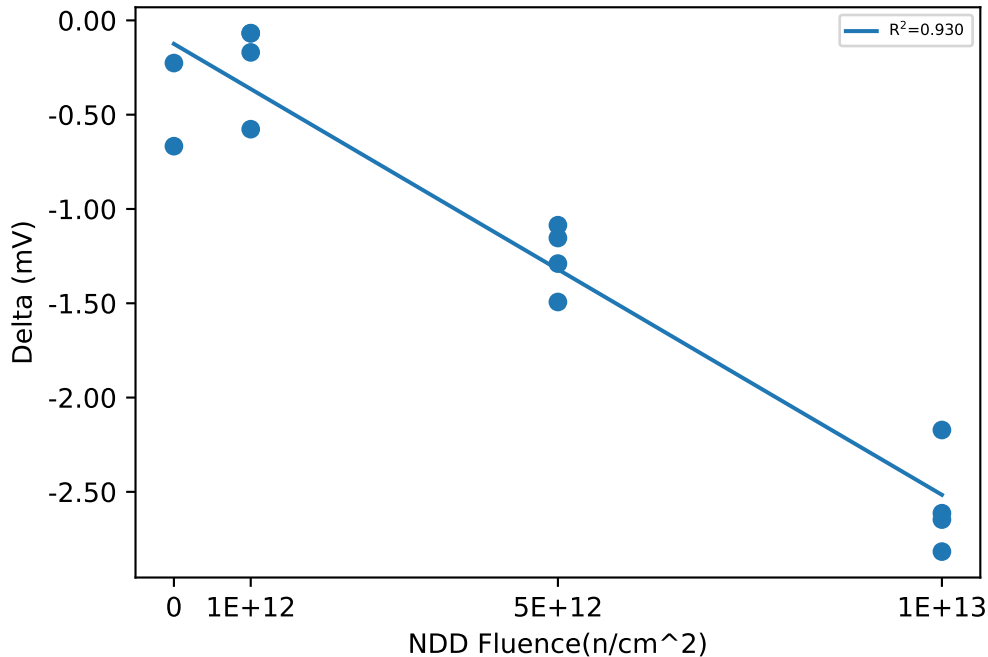
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.56	598.39	-0.1697
2	1e+12	NDD Unbiased	600.36	599.78	-0.5769
3	1e+12	NDD Unbiased	598.8	598.73	-0.0679
4	1e+12	NDD Unbiased	599	598.93	-0.0679
5	5e+12	NDD Unbiased	599.48	597.98	-1.4932
6	5e+12	NDD Unbiased	599.75	598.59	-1.1539
7	5e+12	NDD Unbiased	599.34	598.26	-1.086
8	5e+12	NDD Unbiased	599.48	598.19	-1.2896
9	1e+13	NDD Unbiased	599.41	596.8	-2.6132
10	1e+13	NDD Unbiased	598.97	596.8	-2.172
11	1e+13	NDD Unbiased	598.76	596.12	-2.6471
12	1e+13	NDD Unbiased	598.63	595.81	-2.8168
53	0	Correlation	599.92	599.25	-0.667
54	0	Correlation	598.83	598.61	-0.2262

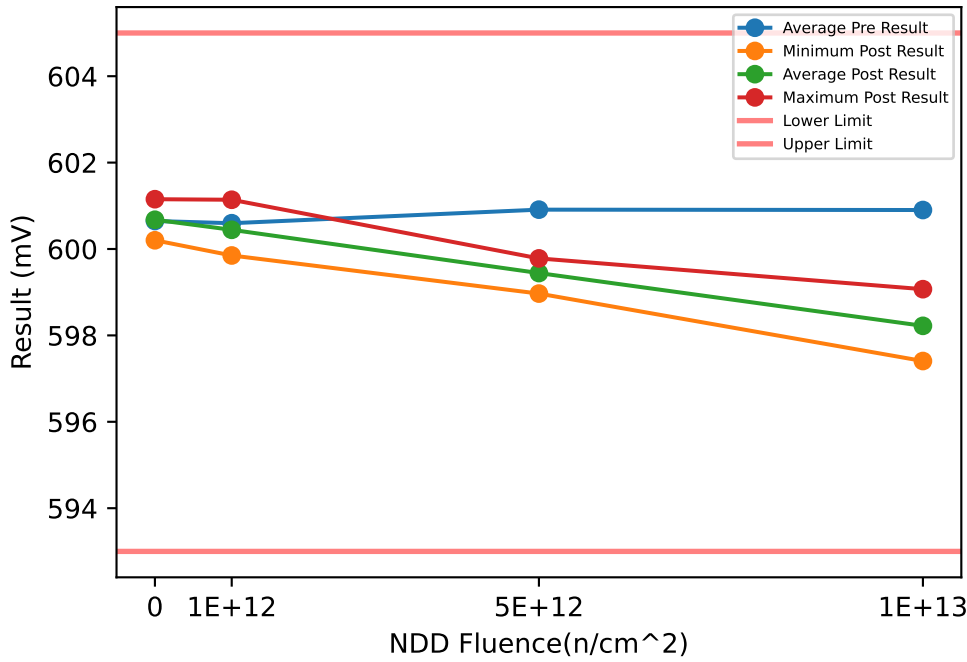
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.83	599.38	599.92	0.76792	598.61	598.93	599.25	0.45623	-0.667	-0.4466	-0.2262	0.31169
1e+12	598.56	599.18	600.36	0.80662	598.39	598.96	599.78	0.59264	-0.5769	-0.2206	-0.0679	0.24233
5e+12	599.34	599.51	599.75	0.1708	597.98	598.26	598.59	0.25393	-1.4932	-1.2557	-1.086	0.17955
1e+13	598.63	598.94	599.41	0.34095	595.81	596.38	596.8	0.49599	-2.8168	-2.5623	-2.172	0.27501

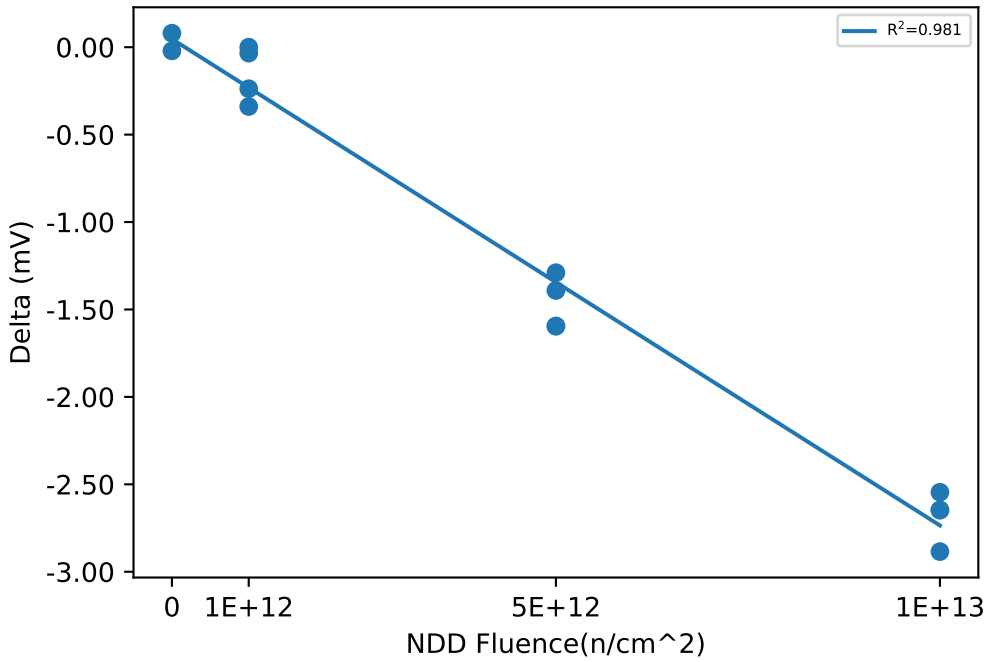
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.66	600.33	-0.3394
2	1e+12	NDD Unbiased	601.38	601.14	-0.2376
3	1e+12	NDD Unbiased	599.88	599.85	-0.034
4	1e+12	NDD Unbiased	600.46	600.46	0
5	5e+12	NDD Unbiased	600.56	598.97	-1.595
6	5e+12	NDD Unbiased	601.38	599.78	-1.5951
7	5e+12	NDD Unbiased	600.83	599.54	-1.2897
8	5e+12	NDD Unbiased	600.87	599.48	-1.3915
9	1e+13	NDD Unbiased	600.83	598.29	-2.5454
10	1e+13	NDD Unbiased	601.72	599.07	-2.6471
11	1e+13	NDD Unbiased	601	598.12	-2.8847
12	1e+13	NDD Unbiased	600.05	597.41	-2.6472
53	0	Correlation	601.17	601.15	-0.0211
54	0	Correlation	600.12	600.2	0.08

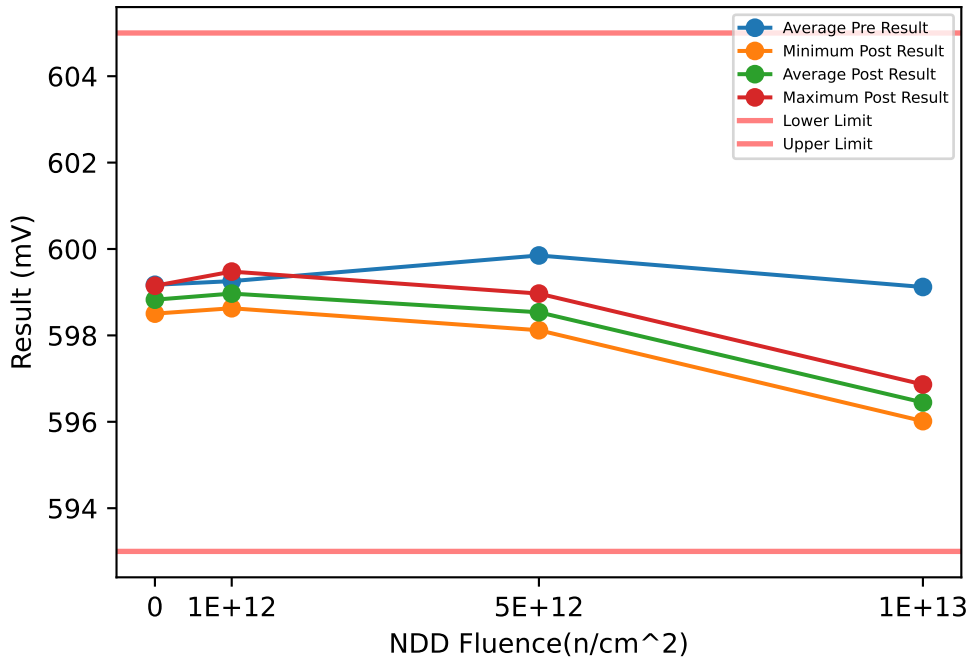
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.12	600.65	601.17	0.74388	600.2	600.68	601.15	0.67239	-0.0211	0.02945	0.08	0.071488
1e+12	599.88	600.6	601.38	0.61653	599.85	600.44	601.14	0.53268	-0.3394	-0.15275	0	0.16276
5e+12	600.56	600.91	601.38	0.33983	598.97	599.44	599.78	0.34275	-1.5951	-1.4678	-1.2897	0.15267
1e+13	600.05	600.9	601.72	0.68268	597.41	598.22	599.07	0.68272	-2.8847	-2.6811	-2.5454	0.14396

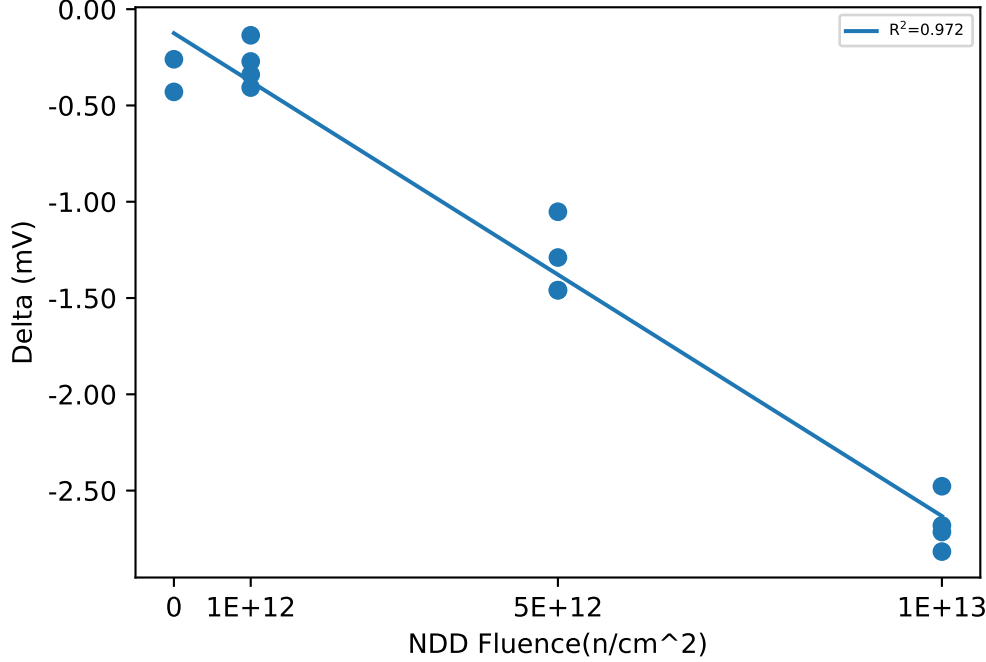
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	599.1	598.76	-0.3394
2	1e+12	NDD Unbiased	599.75	599.48	-0.2715
3	1e+12	NDD Unbiased	599.04	598.63	-0.4072
4	1e+12	NDD Unbiased	599.14	599	-0.1357
5	5e+12	NDD Unbiased	599.58	598.12	-1.4593
6	5e+12	NDD Unbiased	600.02	598.56	-1.4593
7	5e+12	NDD Unbiased	600.02	598.97	-1.052
8	5e+12	NDD Unbiased	599.78	598.49	-1.2897
9	1e+13	NDD Unbiased	599.04	596.56	-2.4774
10	1e+13	NDD Unbiased	599.58	596.86	-2.715
11	1e+13	NDD Unbiased	599.17	596.35	-2.8168
12	1e+13	NDD Unbiased	598.7	596.02	-2.6811
53	0	Correlation	599.58	599.15	-0.4295
54	0	Correlation	598.76	598.5	-0.2601

NDD vs Post - Pre Exposure Delta

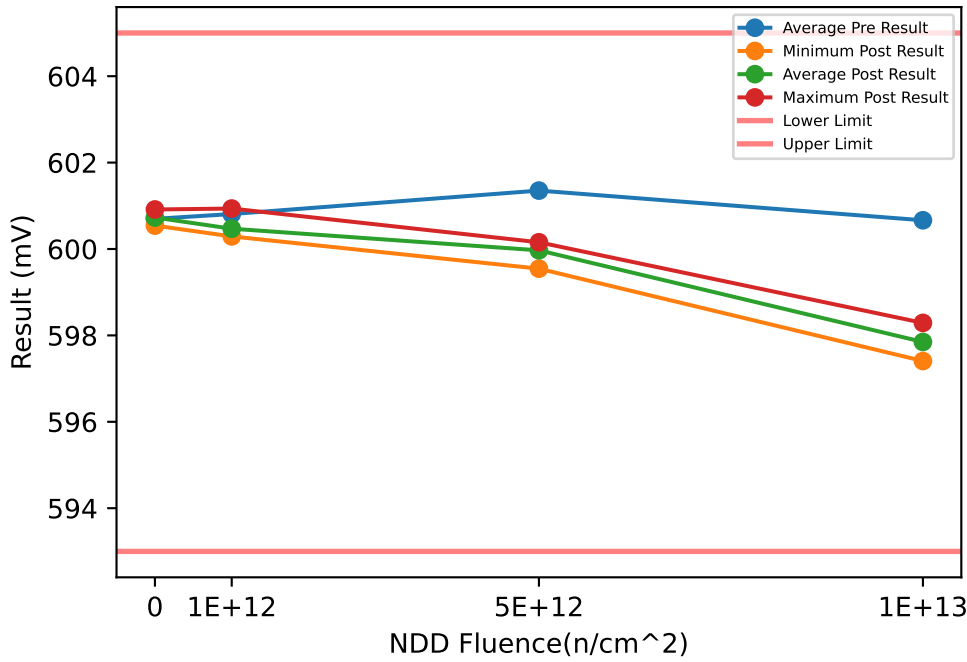


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.76	599.17	599.58	0.57594	598.5	598.83	599.15	0.45615	-0.4295	-0.3448	-0.2601	0.11978
1e+12	599.04	599.26	599.75	0.33079	598.63	598.97	599.48	0.37279	-0.4072	-0.28845	-0.1357	0.11593
5e+12	599.58	599.85	600.02	0.21284	598.12	598.54	598.97	0.34764	-1.4593	-1.3151	-1.052	0.19275
1e+13	598.7	599.12	599.58	0.36497	596.02	596.45	596.86	0.35633	-2.8168	-2.6726	-2.4774	0.14232

Device Test: 19.32 VTH_SENSE(_LEVEL|FALL/SENSE4/1.6/14/0/0/0/@VTH_SENSE)

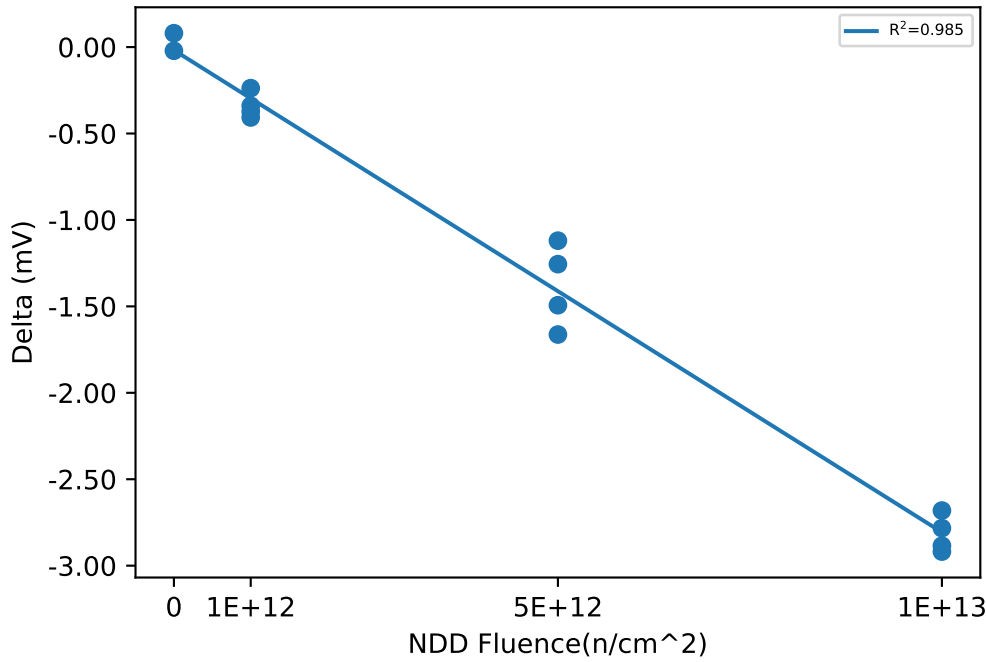
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.53	600.29	-0.2376
2	1e+12	NDD Unbiased	601.34	600.94	-0.4072
3	1e+12	NDD Unbiased	600.66	600.33	-0.3394
4	1e+12	NDD Unbiased	600.7	600.33	-0.3733
5	5e+12	NDD Unbiased	601.04	599.54	-1.4933
6	5e+12	NDD Unbiased	601.78	600.12	-1.6629
7	5e+12	NDD Unbiased	601.41	600.16	-1.2557
8	5e+12	NDD Unbiased	601.17	600.05	-1.1199
9	1e+13	NDD Unbiased	600.5	597.81	-2.6811
10	1e+13	NDD Unbiased	601.17	598.29	-2.8847
11	1e+13	NDD Unbiased	600.8	597.88	-2.9186
12	1e+13	NDD Unbiased	600.19	597.41	-2.7829
53	0	Correlation	600.94	600.91	-0.0213
54	0	Correlation	600.46	600.54	0.0803

NDD vs Post - Pre Exposure Delta

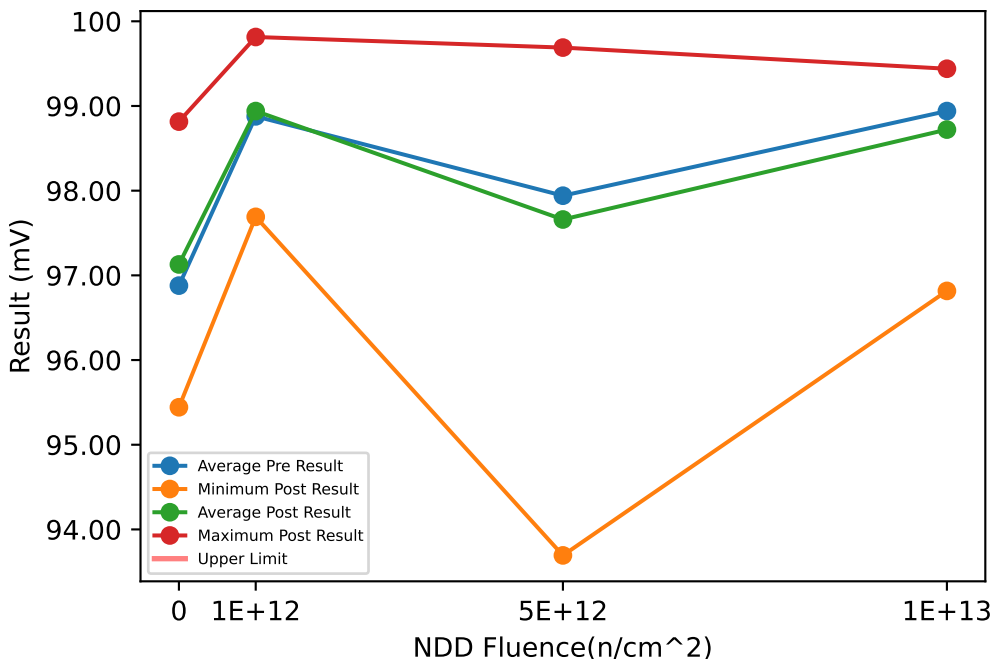


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.46	600.7	600.94	0.33602	600.54	600.73	600.91	0.26418	-0.0213	0.0295	0.0803	0.071842
1e+12	600.53	600.81	601.34	0.3638	600.29	600.47	600.94	0.31153	-0.4072	-0.33938	-0.2376	0.073279
5e+12	601.04	601.35	601.78	0.32713	599.54	599.97	600.16	0.28598	-1.6629	-1.3829	-1.1199	0.24217
1e+13	600.19	600.66	601.17	0.42115	597.41	597.85	598.29	0.3613	-2.9186	-2.8168	-2.6811	0.1073

Device Test: 19.33 UP_DOWN_VHYS(_LEVEL|HYS/UP/1.6/14/0/0/0/@UP_DOWN_VHYS)

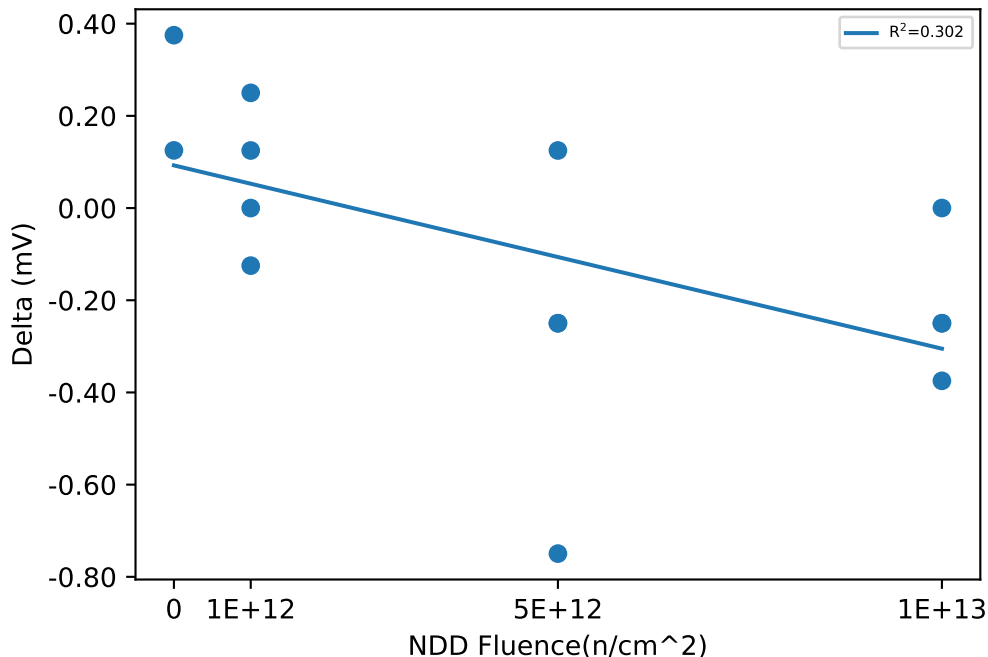
NDD vs Result Stats



Test Results (No Limits Specified (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	99.44	99.44	0
2	1e+12	NDD Unbiased	98.565	98.815	0.2499
3	1e+12	NDD Unbiased	99.69	99.815	0.1249
4	1e+12	NDD Unbiased	97.816	97.691	-0.1249
5	5e+12	NDD Unbiased	99.939	99.69	-0.2499
6	5e+12	NDD Unbiased	99.939	99.19	-0.7496
7	5e+12	NDD Unbiased	93.943	93.693	-0.2498
8	5e+12	NDD Unbiased	97.941	98.066	0.1249
9	1e+13	NDD Unbiased	99.69	99.44	-0.2499
10	1e+13	NDD Unbiased	96.816	96.816	0.0001
11	1e+13	NDD Unbiased	99.69	99.44	-0.2498
12	1e+13	NDD Unbiased	99.565	99.19	-0.3748
53	0	Correlation	98.44	98.815	0.375
54	0	Correlation	95.317	95.442	0.1251

NDD vs Post - Pre Exposure Delta

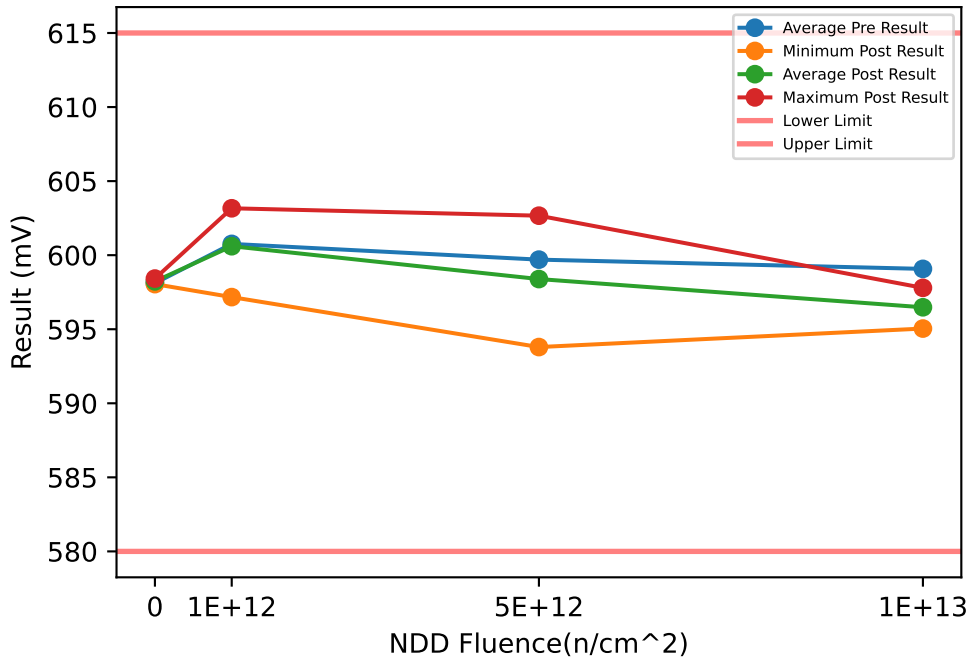


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.317	96.879	98.44	2.2084	95.442	97.129	98.815	2.3851	0.1251	0.25005	0.375	0.17671
1e+12	97.816	98.878	99.69	0.85645	97.691	98.94	99.815	0.92926	-0.1249	0.062475	0.2499	0.16128
5e+12	93.943	97.941	99.939	2.8267	93.693	97.66	99.69	2.73	-0.7496	-0.2811	0.1249	0.35883
1e+13	96.816	98.94	99.69	1.4171	96.816	98.721	99.44	1.2755	-0.3748	-0.2186	0.0001	0.15725

Device Test: 19.34 VTH_UP(_LEVEL|RISE/UP/7/14/0/0/0/@VTH_UP)

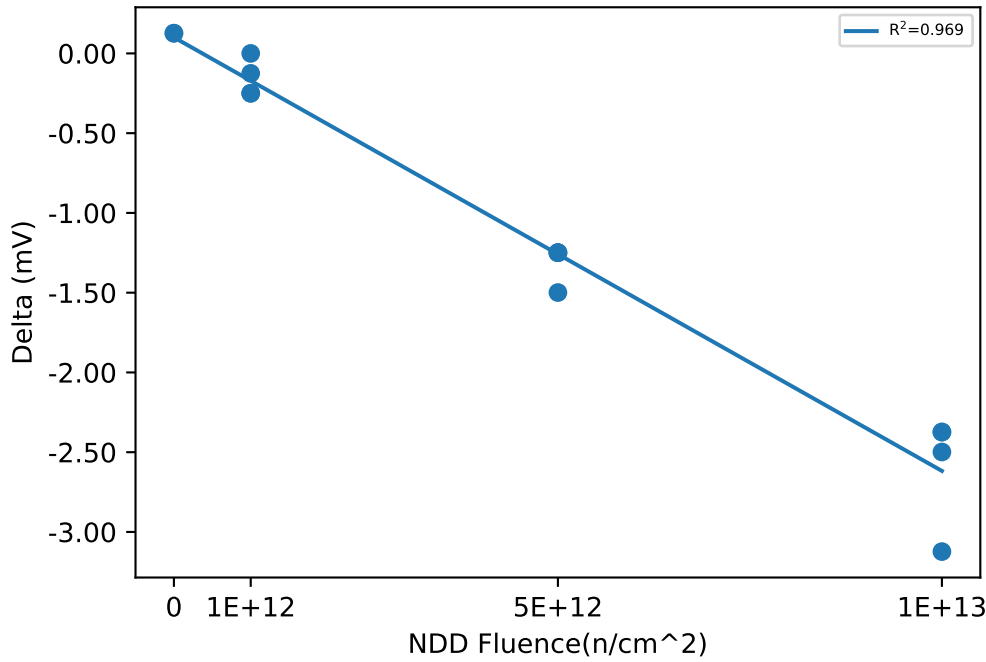
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 615.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	601.42	601.17	-0.2498
2	1e+12	NDD Unbiased	603.42	603.17	-0.2498
3	1e+12	NDD Unbiased	601.04	600.92	-0.125
4	1e+12	NDD Unbiased	597.17	597.17	0
5	5e+12	NDD Unbiased	601.79	600.54	-1.2492
6	5e+12	NDD Unbiased	603.91	602.67	-1.2492
7	5e+12	NDD Unbiased	595.3	593.8	-1.4991
8	5e+12	NDD Unbiased	597.79	596.54	-1.2493
9	1e+13	NDD Unbiased	600.29	597.79	-2.4986
10	1e+13	NDD Unbiased	599.92	597.54	-2.3736
11	1e+13	NDD Unbiased	598.67	595.55	-3.1231
12	1e+13	NDD Unbiased	597.42	595.05	-2.3735
53	0	Correlation	597.92	598.05	0.1267
54	0	Correlation	598.29	598.42	0.1267

NDD vs Post - Pre Exposure Delta

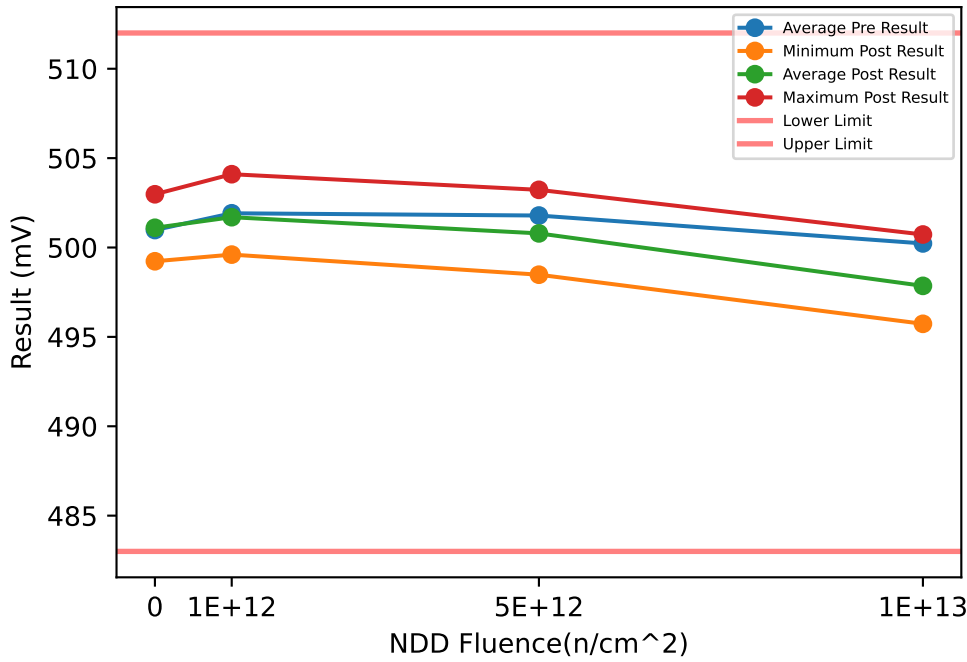


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.92	598.11	598.29	0.26502	598.05	598.23	598.42	0.26502	0.1267	0.1267	0.1267	0
1e+12	597.17	600.76	603.42	2.6112	597.17	600.6	603.17	2.5016	-0.2498	-0.15615	0	0.11957
5e+12	595.3	599.7	603.91	3.8805	593.8	598.39	602.67	3.9759	-1.4991	-1.3117	-1.2492	0.12493
1e+13	597.42	599.07	600.29	1.3038	595.05	596.48	597.79	1.3892	-3.1231	-2.5922	-2.3735	0.35881

Device Test: 19.35 VTH_DOWN(_LEVEL|FALL/DOWNb/7/14/0/0/0/@VTH_DOWN)

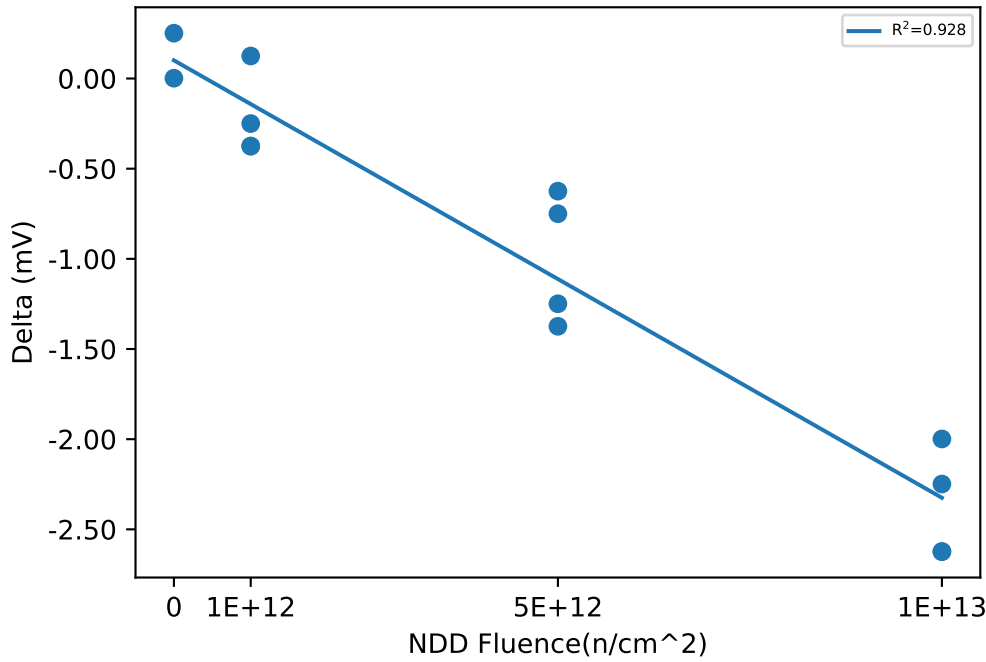
NDD vs Result Stats



Test Results (Lower Limit = 483.0, Upper Limit = 512.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	502.1	501.73	-0.3748
2	1e+12	NDD Unbiased	504.48	504.1	-0.3748
3	1e+12	NDD Unbiased	501.6	501.35	-0.2498
4	1e+12	NDD Unbiased	499.48	499.6	0.1249
5	5e+12	NDD Unbiased	502.23	500.98	-1.2492
6	5e+12	NDD Unbiased	503.98	503.23	-0.7496
7	5e+12	NDD Unbiased	501.1	500.48	-0.6246
8	5e+12	NDD Unbiased	499.85	498.48	-1.3741
9	1e+13	NDD Unbiased	500.48	498.48	-1.9988
10	1e+13	NDD Unbiased	503.35	500.73	-2.6234
11	1e+13	NDD Unbiased	499.1	496.48	-2.6234
12	1e+13	NDD Unbiased	497.98	495.73	-2.2487
53	0	Correlation	498.98	499.23	0.2513
54	0	Correlation	502.98	502.98	0.0016

NDD vs Post - Pre Exposure Delta

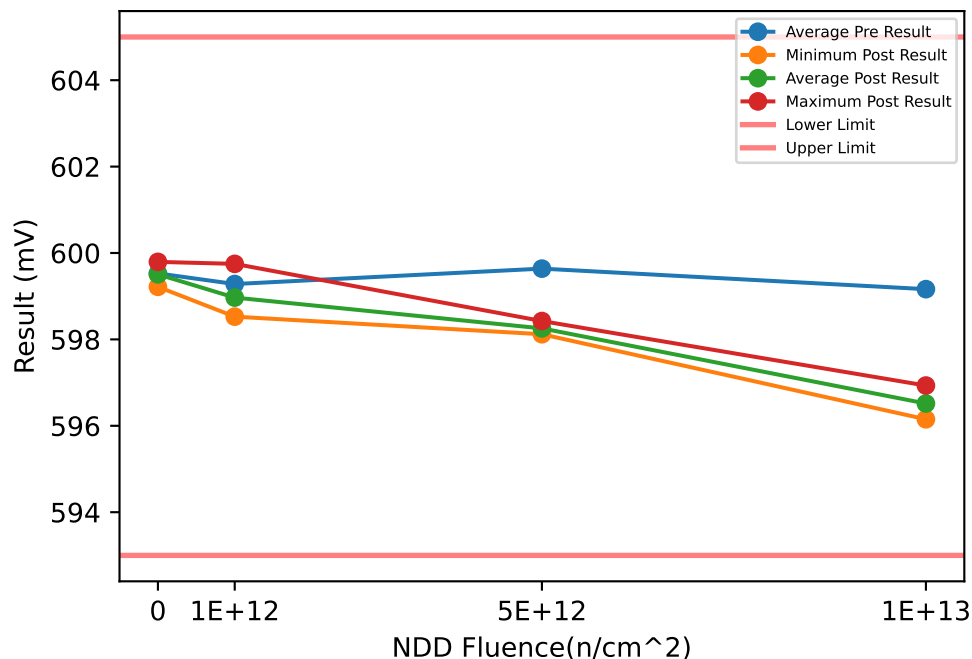


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.98	500.98	502.98	2.8267	499.23	501.1	502.98	2.6501	0.0016	0.12645	0.2513	0.17656
1e+12	499.48	501.91	504.48	2.0514	499.6	501.7	504.1	1.8511	-0.3748	-0.21862	0.1249	0.23648
5e+12	499.85	501.79	503.98	1.7505	498.48	500.79	503.23	1.95	-1.3741	-0.99938	-0.6246	0.36773
1e+13	497.98	500.23	503.35	2.3192	495.73	497.85	500.73	2.2394	-2.6234	-2.3736	-1.9988	0.30598

Device Test: 19.36 VTH_SENSE(_LEVEL|RISE/SENSE1/7/14/0/0/0/@VTH_SENSE)

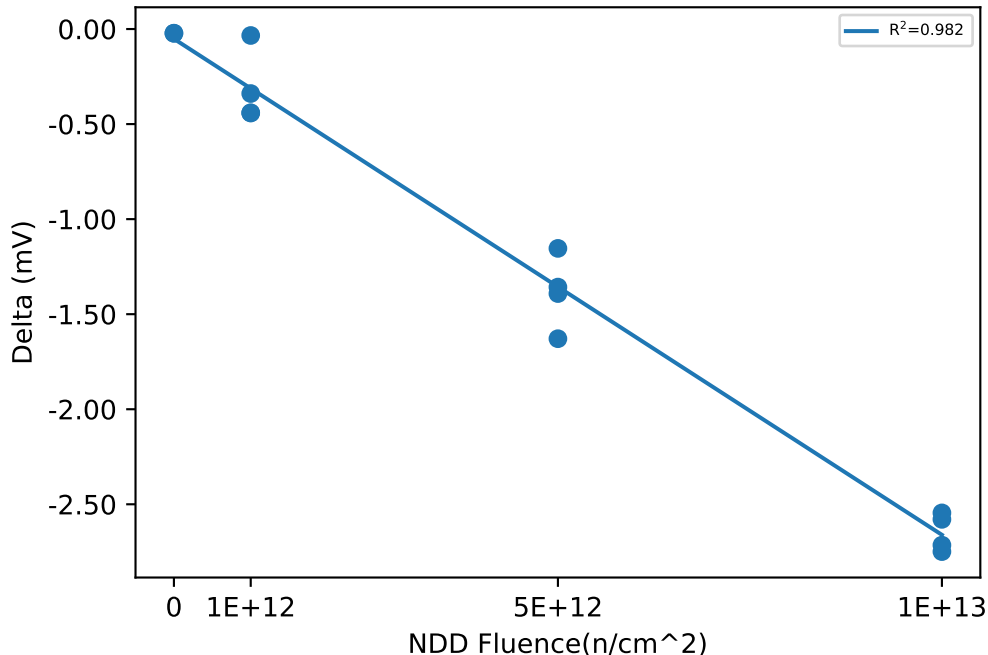
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.87	598.53	-0.3393
2	1e+12	NDD Unbiased	600.19	599.75	-0.4412
3	1e+12	NDD Unbiased	599.07	598.63	-0.4412
4	1e+12	NDD Unbiased	599	598.97	-0.0339
5	5e+12	NDD Unbiased	599.48	598.12	-1.3575
6	5e+12	NDD Unbiased	600.05	598.42	-1.629
7	5e+12	NDD Unbiased	599.34	598.19	-1.1539
8	5e+12	NDD Unbiased	599.68	598.29	-1.3915
9	1e+13	NDD Unbiased	599.51	596.93	-2.5793
10	1e+13	NDD Unbiased	599.44	596.73	-2.715
11	1e+13	NDD Unbiased	599	596.25	-2.7489
12	1e+13	NDD Unbiased	598.7	596.15	-2.5453
53	0	Correlation	599.82	599.79	-0.0219
54	0	Correlation	599.24	599.22	-0.0222

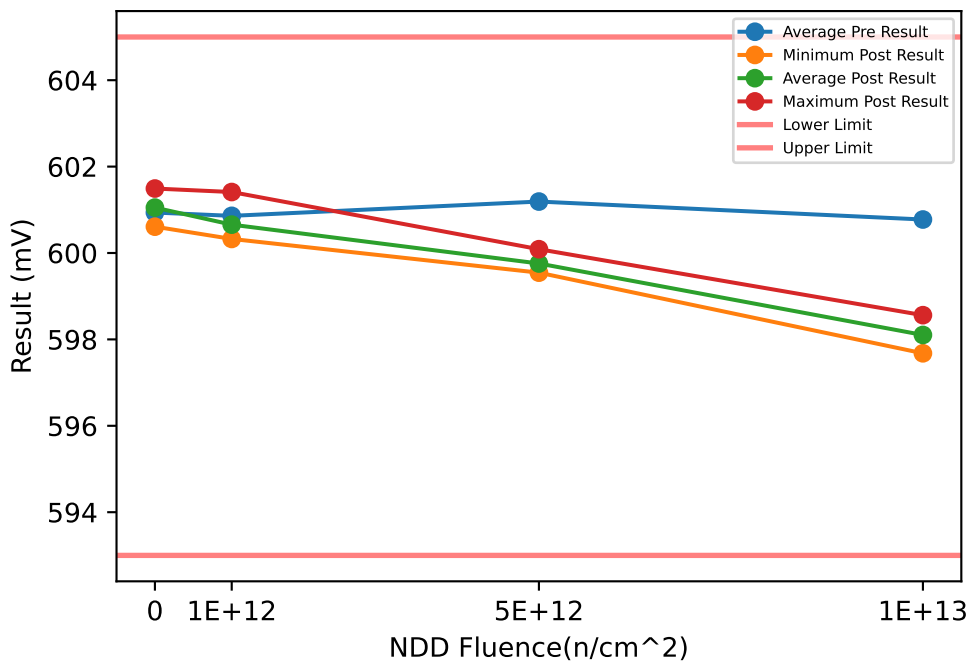
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.24	599.53	599.82	0.40793	599.22	599.51	599.79	0.40814	-0.0222	-0.02205	-0.0219	0.00021213
1e+12	598.87	599.28	600.19	0.61111	598.53	598.97	599.75	0.55348	-0.4412	-0.3139	-0.0339	0.19275
5e+12	599.34	599.64	600.05	0.31029	598.12	598.26	598.42	0.13292	-1.629	-1.383	-1.1539	0.1947
1e+13	598.7	599.16	599.51	0.38433	596.15	596.52	596.93	0.37418	-2.7489	-2.6471	-2.5453	0.099889

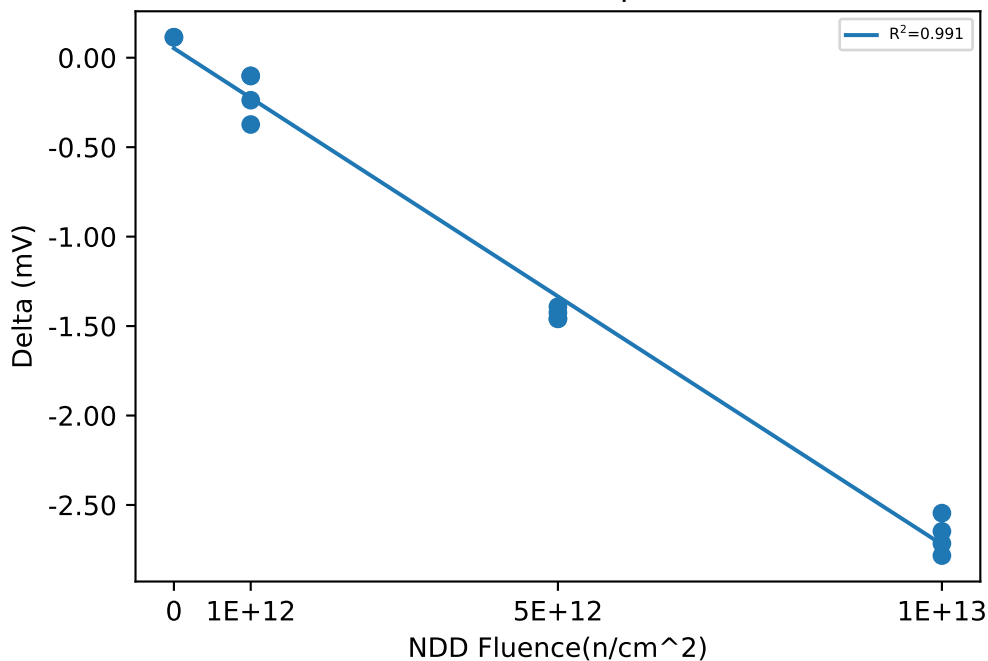
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.43	600.33	-0.1018
2	1e+12	NDD Unbiased	601.78	601.41	-0.3733
3	1e+12	NDD Unbiased	600.63	600.39	-0.2375
4	1e+12	NDD Unbiased	600.6	600.5	-0.1018
5	5e+12	NDD Unbiased	601.04	599.58	-1.4594
6	5e+12	NDD Unbiased	601.51	600.09	-1.4254
7	5e+12	NDD Unbiased	601	599.54	-1.4593
8	5e+12	NDD Unbiased	601.21	599.82	-1.3915
9	1e+13	NDD Unbiased	601.07	598.36	-2.715
10	1e+13	NDD Unbiased	601.11	598.56	-2.5454
11	1e+13	NDD Unbiased	600.6	597.81	-2.7829
12	1e+13	NDD Unbiased	600.33	597.68	-2.6472
53	0	Correlation	601.38	601.49	0.1147
54	0	Correlation	600.5	600.61	0.1143

NDD vs Post - Pre Exposure Delta

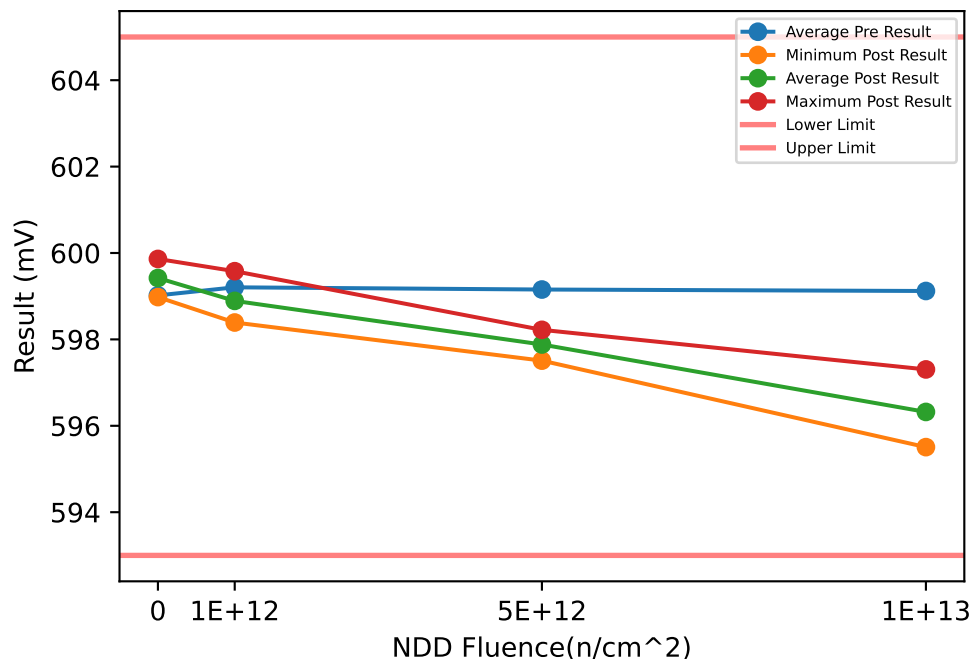


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.5	600.94	601.38	0.62395	600.61	601.05	601.49	0.62423	0.1143	0.1145	0.1147	0.00028284
1e+12	600.43	600.86	601.78	0.62293	600.33	600.66	601.41	0.50821	-0.3733	-0.2036	-0.1018	0.12997
5e+12	601	601.19	601.51	0.23267	599.54	599.76	600.09	0.25151	-1.4594	-1.4339	-1.3915	0.032483
1e+13	600.33	600.78	601.11	0.37931	597.68	598.1	598.56	0.42343	-2.7829	-2.6726	-2.5454	0.10131

Device Test: 19.38 VTH_SENSE(_LEVEL|RISE/SENSE2/7/14/0/0/0/@VTH_SENSE)

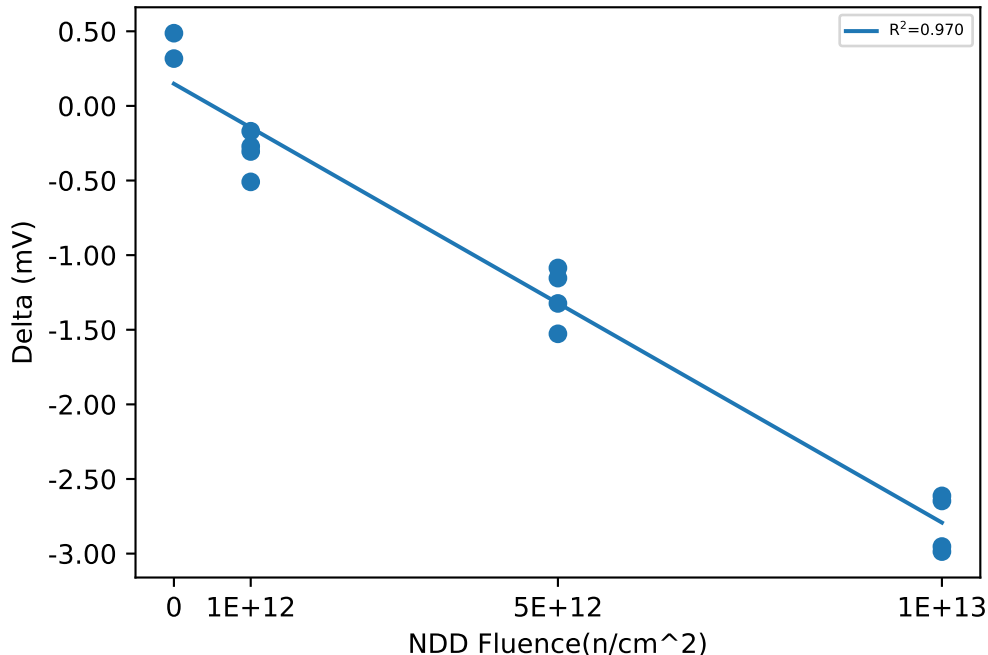
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.7	598.39	-0.3055
2	1e+12	NDD Unbiased	600.09	599.58	-0.5091
3	1e+12	NDD Unbiased	599.21	599.04	-0.1697
4	1e+12	NDD Unbiased	598.83	598.56	-0.2715
5	5e+12	NDD Unbiased	599.04	597.51	-1.5272
6	5e+12	NDD Unbiased	599.38	598.05	-1.3236
7	5e+12	NDD Unbiased	599.38	598.22	-1.1539
8	5e+12	NDD Unbiased	598.83	597.75	-1.086
9	1e+13	NDD Unbiased	599.75	596.76	-2.9865
10	1e+13	NDD Unbiased	599.92	597.3	-2.6132
11	1e+13	NDD Unbiased	598.66	595.71	-2.9525
12	1e+13	NDD Unbiased	598.15	595.51	-2.6471
53	0	Correlation	599.38	599.86	0.4872
54	0	Correlation	598.66	598.98	0.3171

NDD vs Post - Pre Exposure Delta

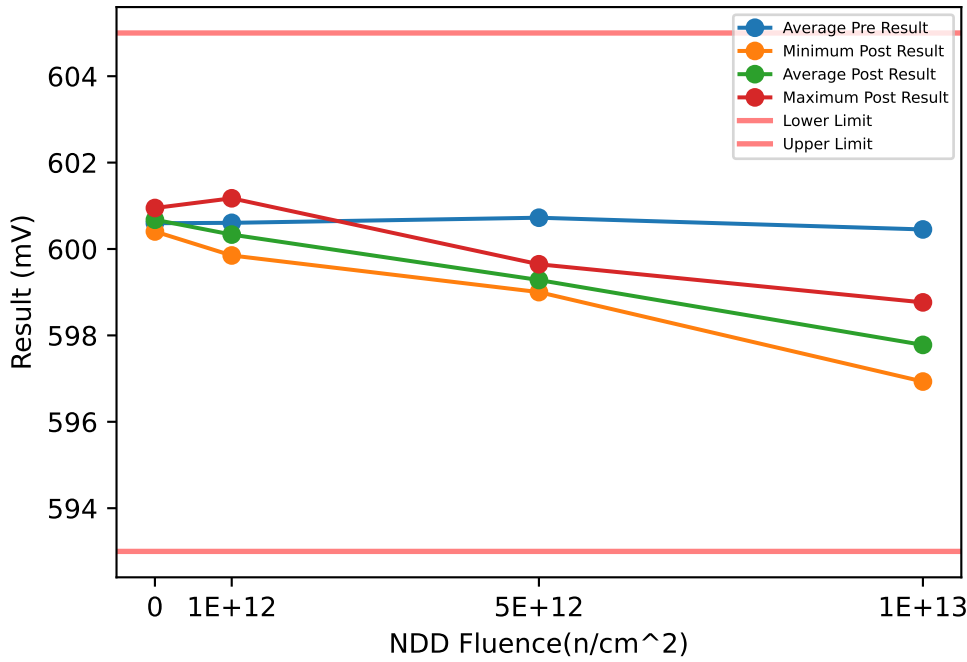


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.66	599.02	599.38	0.50396	598.98	599.42	599.86	0.62423	0.3171	0.40215	0.4872	0.12028
1e+12	598.7	599.21	600.09	0.62638	598.39	598.89	599.58	0.53327	-0.5091	-0.31395	-0.1697	0.14232
5e+12	598.83	599.15	599.38	0.26795	597.51	597.88	598.22	0.31715	-1.5272	-1.2727	-1.086	0.19692
1e+13	598.15	599.12	599.92	0.85158	595.51	596.32	597.3	0.85628	-2.9865	-2.7998	-2.6132	0.1969

Device Test: 19.39 VTH_SENSE(_LEVEL|FALL/SENSE2/7/14/0/0/0/@VTH_SENSE)

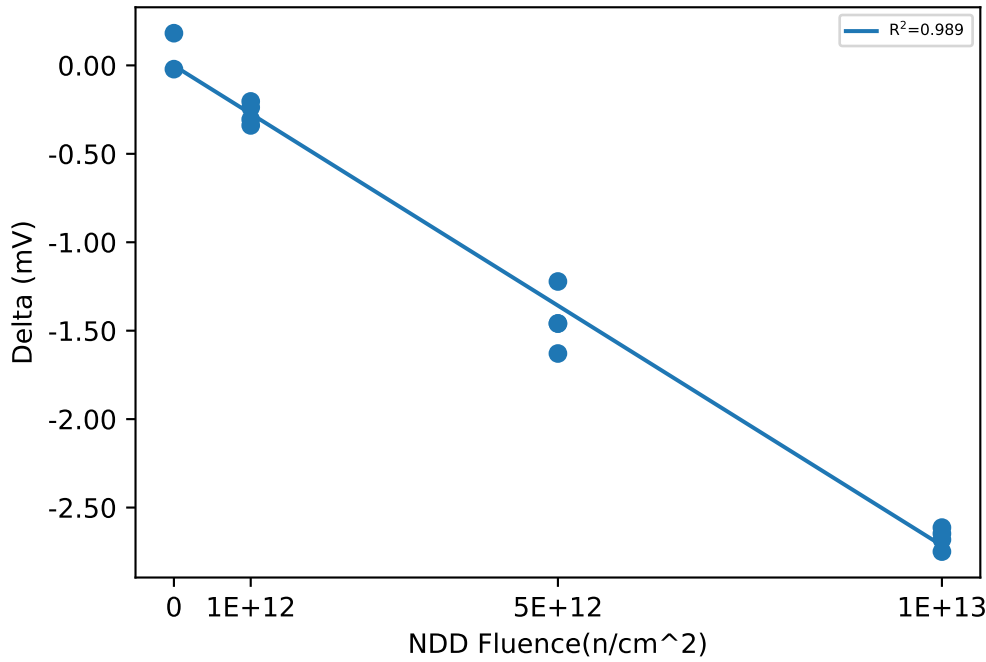
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.09	599.85	-0.2376
2	1e+12	NDD Unbiased	601.38	601.17	-0.2037
3	1e+12	NDD Unbiased	600.77	600.46	-0.3055
4	1e+12	NDD Unbiased	600.19	599.85	-0.3394
5	5e+12	NDD Unbiased	600.6	599.14	-1.4594
6	5e+12	NDD Unbiased	600.97	599.34	-1.629
7	5e+12	NDD Unbiased	600.87	599.65	-1.2218
8	5e+12	NDD Unbiased	600.46	599	-1.4593
9	1e+13	NDD Unbiased	600.83	598.22	-2.6133
10	1e+13	NDD Unbiased	601.41	598.76	-2.6472
11	1e+13	NDD Unbiased	599.88	597.2	-2.6811
12	1e+13	NDD Unbiased	599.68	596.93	-2.749
53	0	Correlation	600.97	600.95	-0.0213
54	0	Correlation	600.22	600.41	0.182

NDD vs Post - Pre Exposure Delta

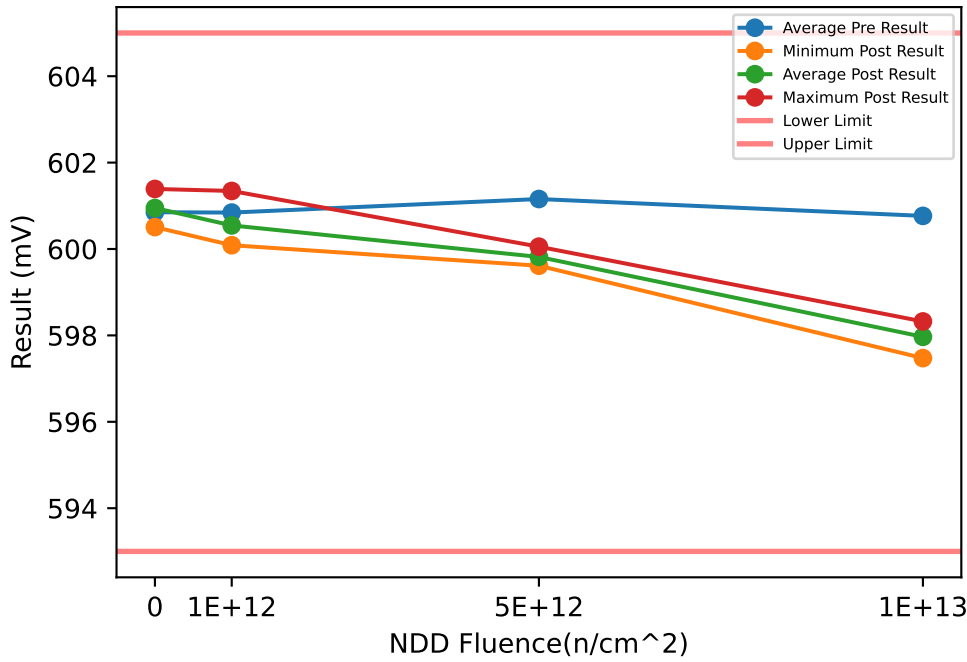


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.22	600.6	600.97	0.52793	600.41	600.68	600.95	0.38417	-0.0213	0.08035	0.182	0.14375
1e+12	600.09	600.61	601.38	0.59524	599.85	600.33	601.17	0.62969	-0.3394	-0.27155	-0.2037	0.061947
5e+12	600.46	600.72	600.97	0.23575	599	599.28	599.65	0.28037	-1.629	-1.4424	-1.2218	0.16739
1e+13	599.68	600.45	601.41	0.81327	596.93	597.78	598.76	0.85944	-2.749	-2.6727	-2.6133	0.057939

Device Test: 19.4 VTH_SENSE(_LEVEL|FALL/SENSE1/1.6/3/0/0/0/@VTH_SENSE)

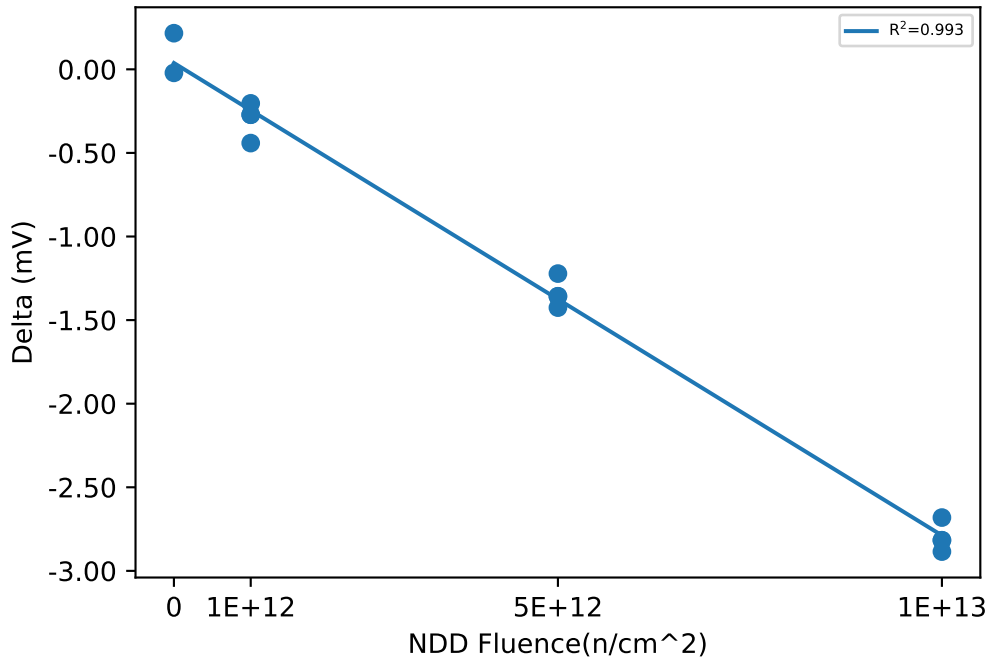
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.36	600.09	-0.2715
2	1e+12	NDD Unbiased	601.78	601.34	-0.4412
3	1e+12	NDD Unbiased	600.66	600.39	-0.2715
4	1e+12	NDD Unbiased	600.56	600.36	-0.2036
5	5e+12	NDD Unbiased	601.11	599.88	-1.2218
6	5e+12	NDD Unbiased	601.41	600.05	-1.3575
7	5e+12	NDD Unbiased	600.97	599.61	-1.3575
8	5e+12	NDD Unbiased	601.14	599.71	-1.4254
9	1e+13	NDD Unbiased	601.14	598.26	-2.8847
10	1e+13	NDD Unbiased	601	598.32	-2.6811
11	1e+13	NDD Unbiased	600.63	597.81	-2.8168
12	1e+13	NDD Unbiased	600.29	597.47	-2.8168
53	0	Correlation	601.41	601.39	-0.0211
54	0	Correlation	600.29	600.51	0.2161

NDD vs Post - Pre Exposure Delta

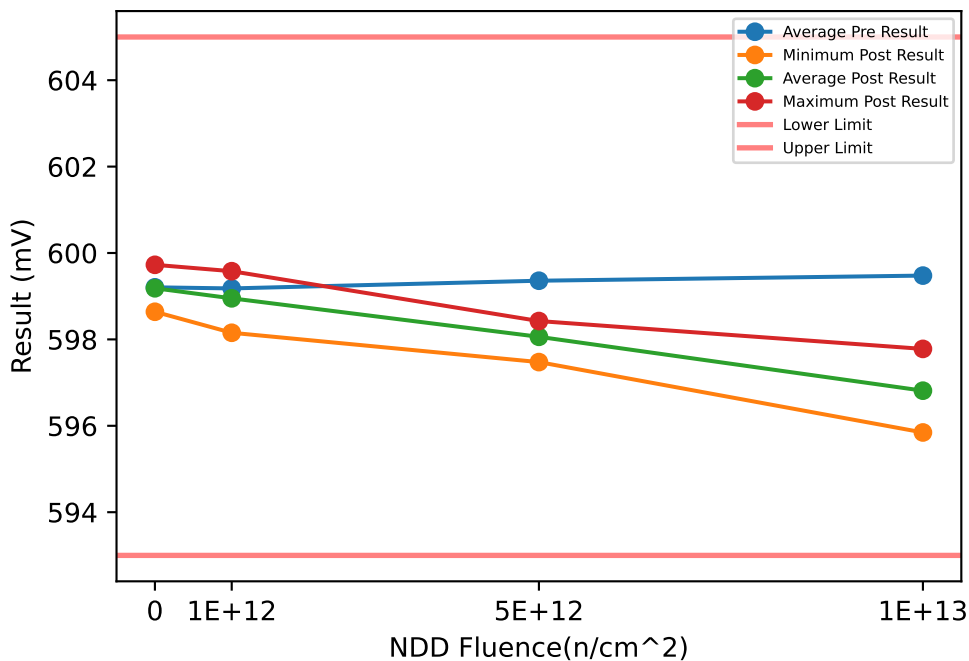


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.29	600.85	601.41	0.79196	600.51	600.95	601.39	0.62423	-0.0211	0.0975	0.2161	0.16773
1e+12	600.36	600.84	601.78	0.64057	600.09	600.55	601.34	0.54898	-0.4412	-0.29695	-0.2036	0.10135
5e+12	600.97	601.16	601.41	0.18485	599.61	599.82	600.05	0.19398	-1.4254	-1.3405	-1.2218	0.085393
1e+13	600.29	600.77	601.14	0.38298	597.47	597.97	598.32	0.39819	-2.8847	-2.7999	-2.6811	0.085393

Device Test: 19.40 VTH_SENSE(_LEVEL|RISE/SENSE3/7/14/0/0/0/@VTH_SENSE)

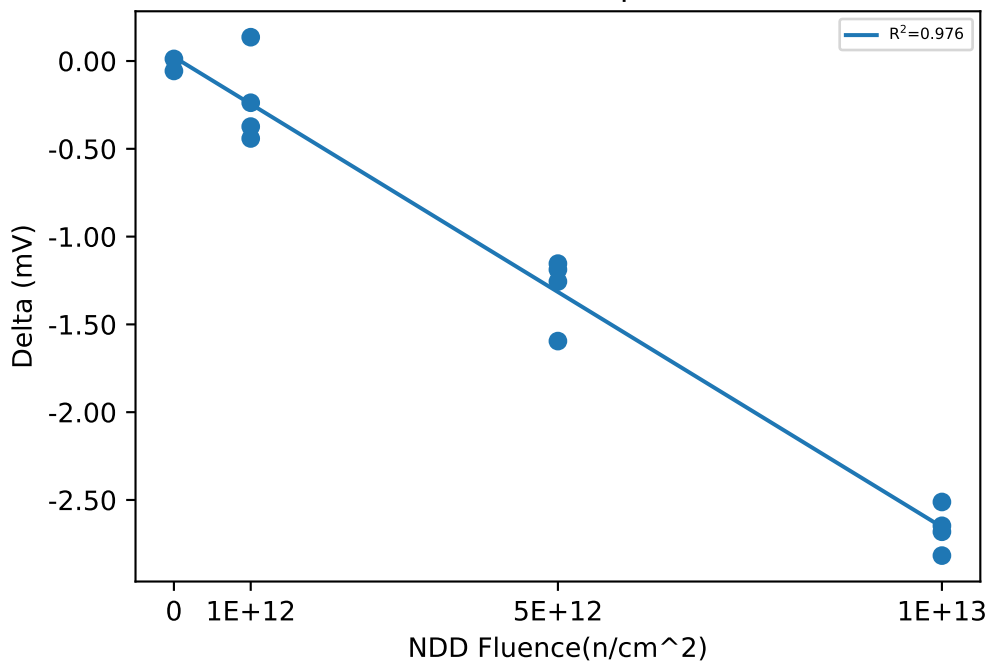
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	599.1	598.87	-0.2376
2	1e+12	NDD Unbiased	599.95	599.58	-0.3734
3	1e+12	NDD Unbiased	598.59	598.15	-0.4411
4	1e+12	NDD Unbiased	599.07	599.21	0.1357
5	5e+12	NDD Unbiased	599.07	597.47	-1.5951
6	5e+12	NDD Unbiased	599.68	598.42	-1.2557
7	5e+12	NDD Unbiased	599.31	598.12	-1.1878
8	5e+12	NDD Unbiased	599.38	598.22	-1.1539
9	1e+13	NDD Unbiased	599.41	596.73	-2.6811
10	1e+13	NDD Unbiased	600.29	597.78	-2.5114
11	1e+13	NDD Unbiased	599.54	596.9	-2.6471
12	1e+13	NDD Unbiased	598.66	595.85	-2.8168
53	0	Correlation	599.71	599.73	0.012
54	0	Correlation	598.7	598.64	-0.0565

NDD vs Post - Pre Exposure Delta

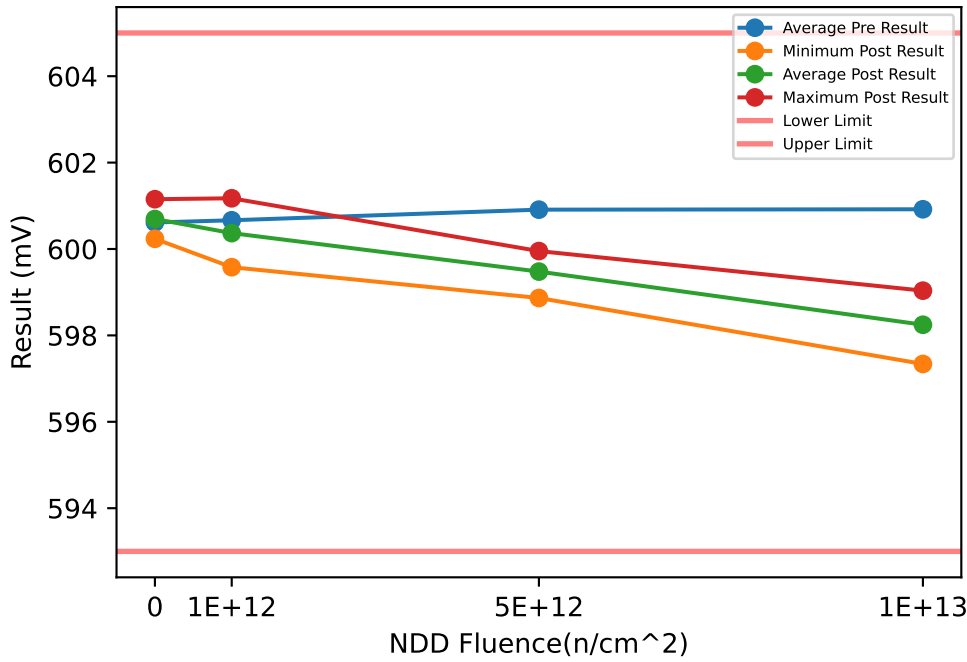


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.7	599.21	599.71	0.71991	598.64	599.18	599.73	0.76834	-0.0565	-0.02225	0.012	0.048437
1e+12	598.59	599.18	599.95	0.56479	598.15	598.95	599.58	0.60611	-0.4411	-0.2291	0.1357	0.2575
5e+12	599.07	599.36	599.68	0.2517	597.47	598.06	598.42	0.41043	-1.5951	-1.2981	-1.1539	0.20246
1e+13	598.66	599.48	600.29	0.66734	595.85	596.81	597.78	0.79275	-2.8168	-2.6641	-2.5114	0.12545

Device Test: 19.41 VTH_SENSE(_LEVEL|FALL/SENSE3/7/14/0/0/0/@VTH_SENSE)

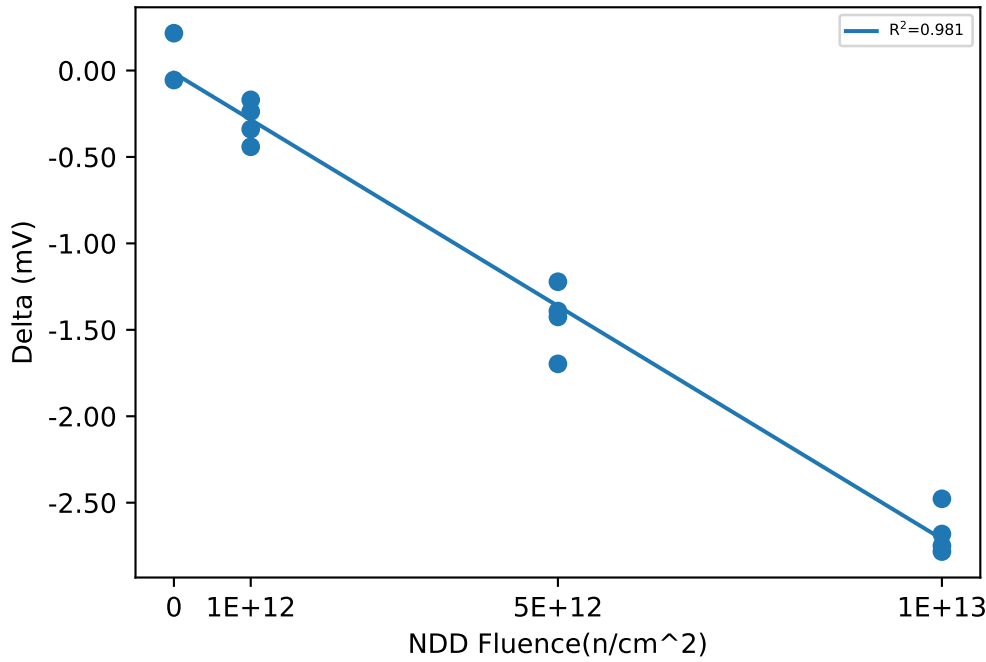
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.56	600.39	-0.1696
2	1e+12	NDD Unbiased	601.41	601.17	-0.2376
3	1e+12	NDD Unbiased	600.02	599.58	-0.4412
4	1e+12	NDD Unbiased	600.66	600.33	-0.3394
5	5e+12	NDD Unbiased	600.56	598.87	-1.6969
6	5e+12	NDD Unbiased	601.38	599.95	-1.4254
7	5e+12	NDD Unbiased	600.8	599.58	-1.2218
8	5e+12	NDD Unbiased	600.9	599.51	-1.3914
9	1e+13	NDD Unbiased	600.87	598.39	-2.4775
10	1e+13	NDD Unbiased	601.72	599.04	-2.6811
11	1e+13	NDD Unbiased	600.97	598.22	-2.749
12	1e+13	NDD Unbiased	600.12	597.34	-2.7829
53	0	Correlation	601.21	601.15	-0.0551
54	0	Correlation	600.02	600.24	0.2159

NDD vs Post - Pre Exposure Delta

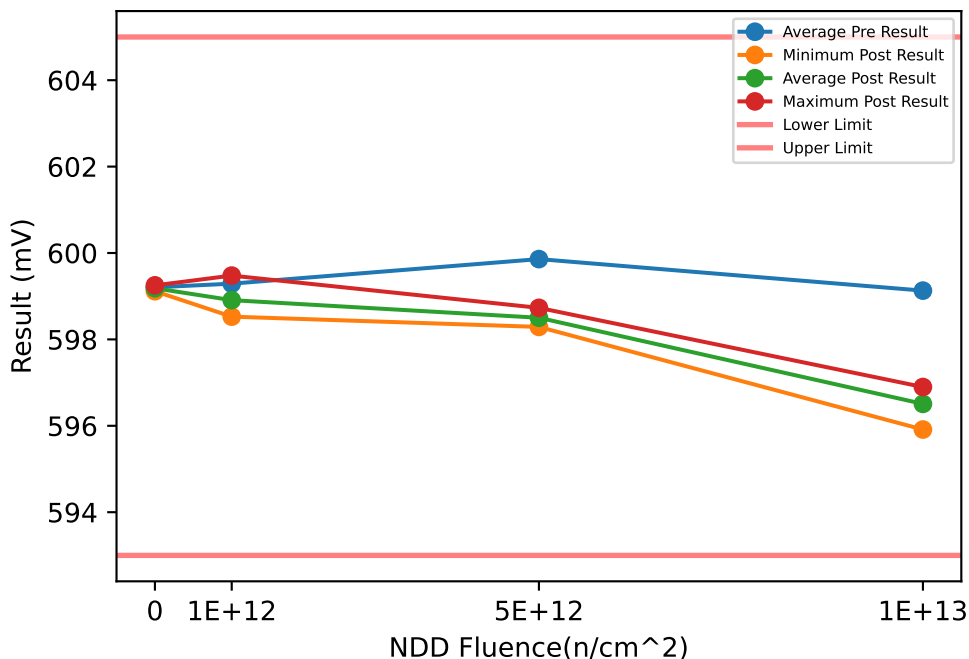


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.02	600.61	601.21	0.83997	600.24	600.69	601.15	0.64835	-0.0551	0.0804	0.2159	0.19163
1e+12	600.02	600.66	601.41	0.57262	599.58	600.37	601.17	0.65186	-0.4412	-0.29695	-0.1696	0.11881
5e+12	600.56	600.91	601.38	0.34209	598.87	599.48	599.95	0.45112	-1.6969	-1.4339	-1.2218	0.19667
1e+13	600.12	600.92	601.72	0.65248	597.34	598.25	599.04	0.69954	-2.7829	-2.6726	-2.4775	0.1368

Device Test: 19.42 VTH_SENSE(_LEVEL|RISE/SENSE4/7/14/0/0/0/@VTH_SENSE)

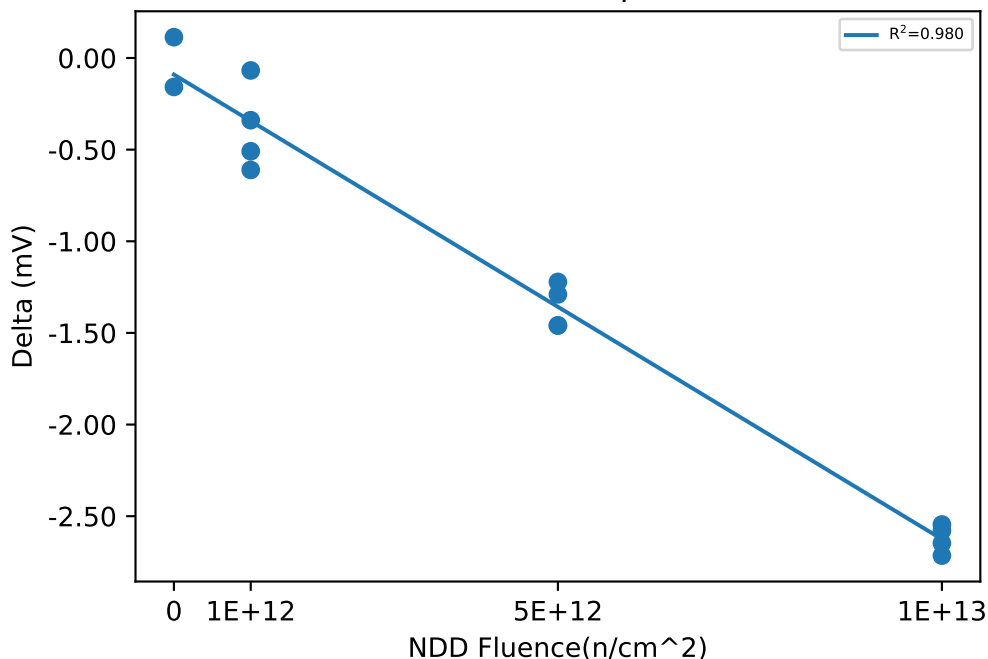
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	599.04	598.53	-0.509
2	1e+12	NDD Unbiased	599.82	599.48	-0.3394
3	1e+12	NDD Unbiased	598.73	598.66	-0.0679
4	1e+12	NDD Unbiased	599.58	598.97	-0.6108
5	5e+12	NDD Unbiased	599.58	598.29	-1.2896
6	5e+12	NDD Unbiased	600.09	598.63	-1.4593
7	5e+12	NDD Unbiased	599.95	598.73	-1.2218
8	5e+12	NDD Unbiased	599.82	598.36	-1.4593
9	1e+13	NDD Unbiased	599.17	596.59	-2.5793
10	1e+13	NDD Unbiased	599.54	596.9	-2.6471
11	1e+13	NDD Unbiased	599.17	596.63	-2.5453
12	1e+13	NDD Unbiased	598.63	595.91	-2.715
53	0	Correlation	599.41	599.25	-0.158
54	0	Correlation	599	599.12	0.1135

NDD vs Post - Pre Exposure Delta

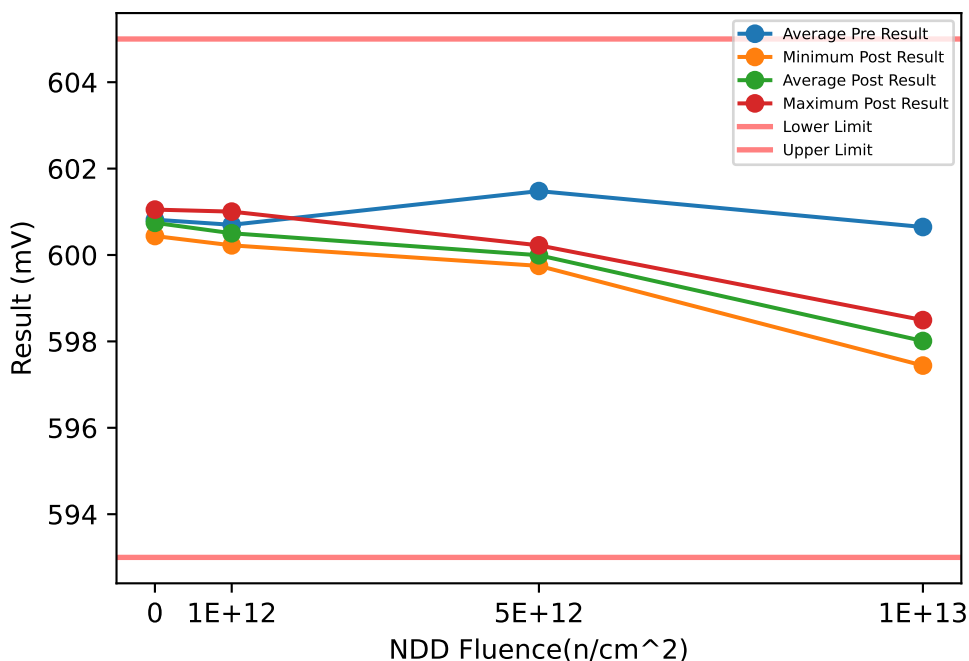


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599	599.21	599.41	0.288	599.12	599.18	599.25	0.096025	-0.158	-0.02225	0.1135	0.19198
1e+12	598.73	599.29	599.82	0.49608	598.53	598.91	599.48	0.42148	-0.6108	-0.38178	-0.0679	0.23731
5e+12	599.58	599.86	600.09	0.21711	598.29	598.5	598.73	0.21172	-1.4593	-1.3575	-1.2218	0.12076
1e+13	598.63	599.13	599.54	0.37727	595.91	596.51	596.9	0.41887	-2.715	-2.6217	-2.5453	0.075244

Device Test: 19.43 VTH_SENSE(_LEVEL|FALL/SENSE4/7/14/0/0/0/@VTH_SENSE)

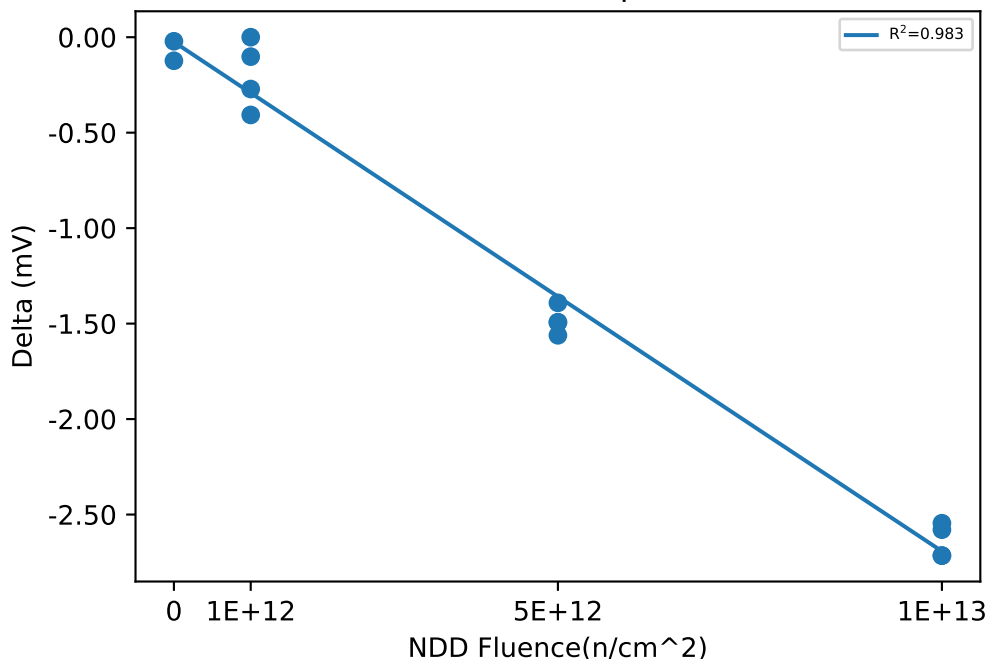
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.5	600.5	0
2	1e+12	NDD Unbiased	601.28	601	-0.2715
3	1e+12	NDD Unbiased	600.39	600.29	-0.1019
4	1e+12	NDD Unbiased	600.63	600.22	-0.4072
5	5e+12	NDD Unbiased	601.17	599.78	-1.3914
6	5e+12	NDD Unbiased	601.72	600.22	-1.4932
7	5e+12	NDD Unbiased	601.72	600.22	-1.4932
8	5e+12	NDD Unbiased	601.31	599.75	-1.5612
9	1e+13	NDD Unbiased	600.66	598.09	-2.5793
10	1e+13	NDD Unbiased	601.04	598.49	-2.5454
11	1e+13	NDD Unbiased	600.73	598.02	-2.715
12	1e+13	NDD Unbiased	600.16	597.44	-2.715
53	0	Correlation	601.07	601.05	-0.0213
54	0	Correlation	600.56	600.44	-0.1234

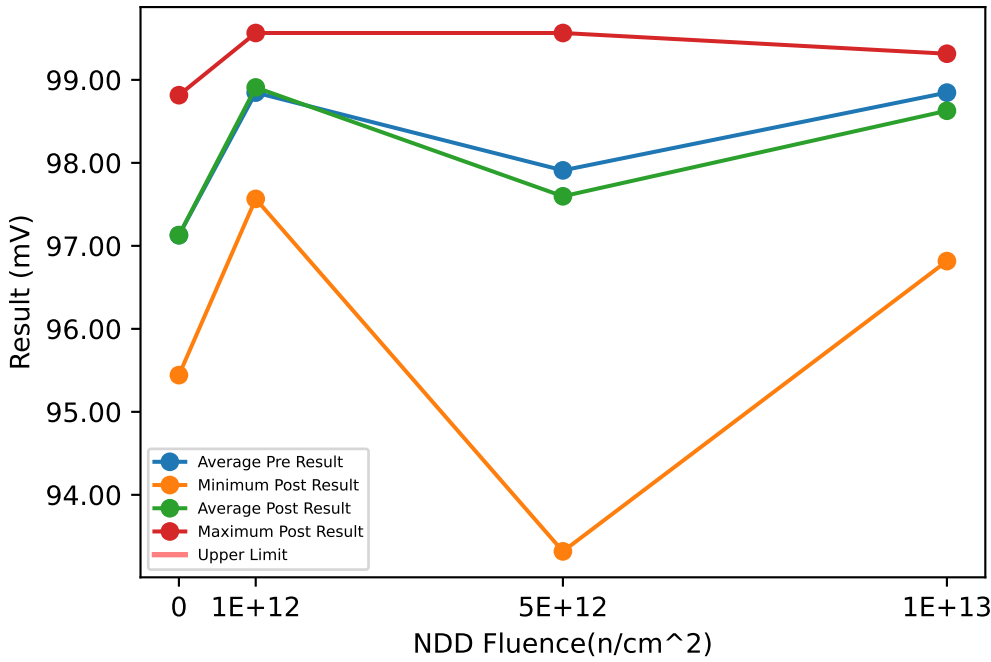
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.56	600.82	601.07	0.35999	600.44	600.75	601.05	0.43218	-0.1234	-0.07235	-0.0213	0.072196
1e+12	600.39	600.7	601.28	0.39671	600.22	600.5	601	0.35308	-0.4072	-0.19515	0	0.18035
5e+12	601.17	601.48	601.72	0.27985	599.75	599.99	600.22	0.26491	-1.5612	-1.4848	-1.3914	0.070004
1e+13	600.16	600.65	601.04	0.36605	597.44	598.01	598.49	0.43315	-2.715	-2.6387	-2.5454	0.089213

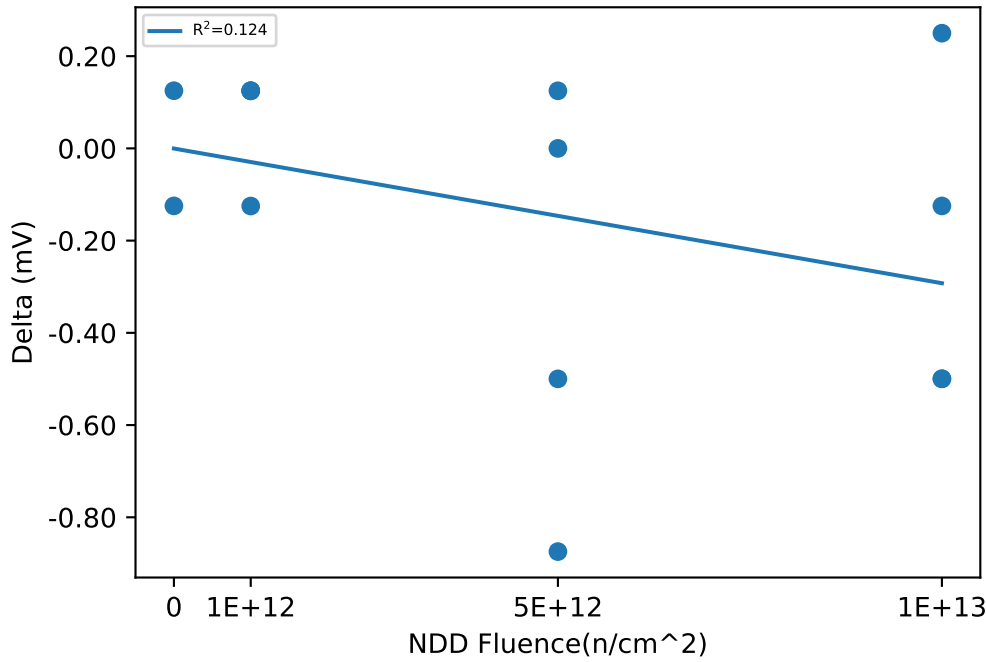
NDD vs Result Stats



Test Results (No Limits Specified (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	99.315	99.44	0.1249
2	1e+12	NDD Unbiased	98.94	99.065	0.125
3	1e+12	NDD Unbiased	99.44	99.565	0.1248
4	1e+12	NDD Unbiased	97.691	97.566	-0.125
5	5e+12	NDD Unbiased	99.565	99.565	0
6	5e+12	NDD Unbiased	99.939	99.44	-0.4998
7	5e+12	NDD Unbiased	94.193	93.319	-0.8744
8	5e+12	NDD Unbiased	97.941	98.066	0.1249
9	1e+13	NDD Unbiased	99.815	99.315	-0.4998
10	1e+13	NDD Unbiased	96.567	96.816	0.2498
11	1e+13	NDD Unbiased	99.565	99.065	-0.4996
12	1e+13	NDD Unbiased	99.44	99.315	-0.1248
53	0	Correlation	98.94	98.815	-0.1247
54	0	Correlation	95.317	95.442	0.1251

NDD vs Post - Pre Exposure Delta

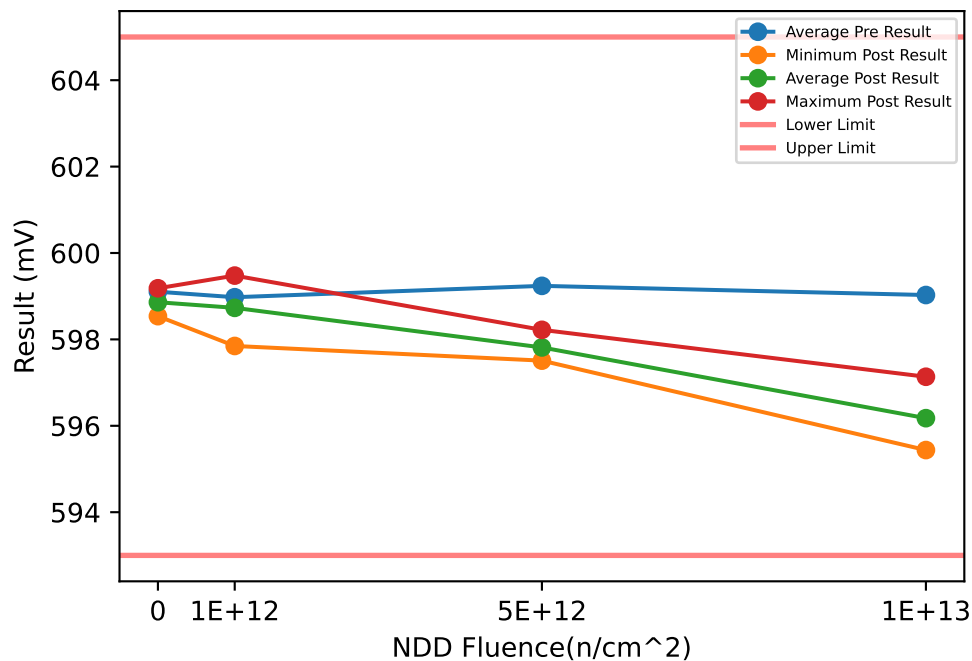


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.317	97.129	98.94	2.5617	95.442	97.129	98.815	2.3851	-0.1247	0.0002	0.1251	0.17664
1e+12	97.691	98.846	99.44	0.7991	97.566	98.909	99.565	0.92014	-0.125	0.062425	0.125	0.12495
5e+12	94.193	97.909	99.939	2.6252	93.319	97.597	99.565	2.9322	-0.8744	-0.31232	0.1249	0.4618
1e+13	96.567	98.846	99.815	1.5278	96.816	98.628	99.315	1.2133	-0.4998	-0.2186	0.2498	0.35881

Device Test: 19.5 VTH_SENSE(_LEVEL|RISE/SENSE2/1.6/3/0/0/0/@VTH_SENSE)

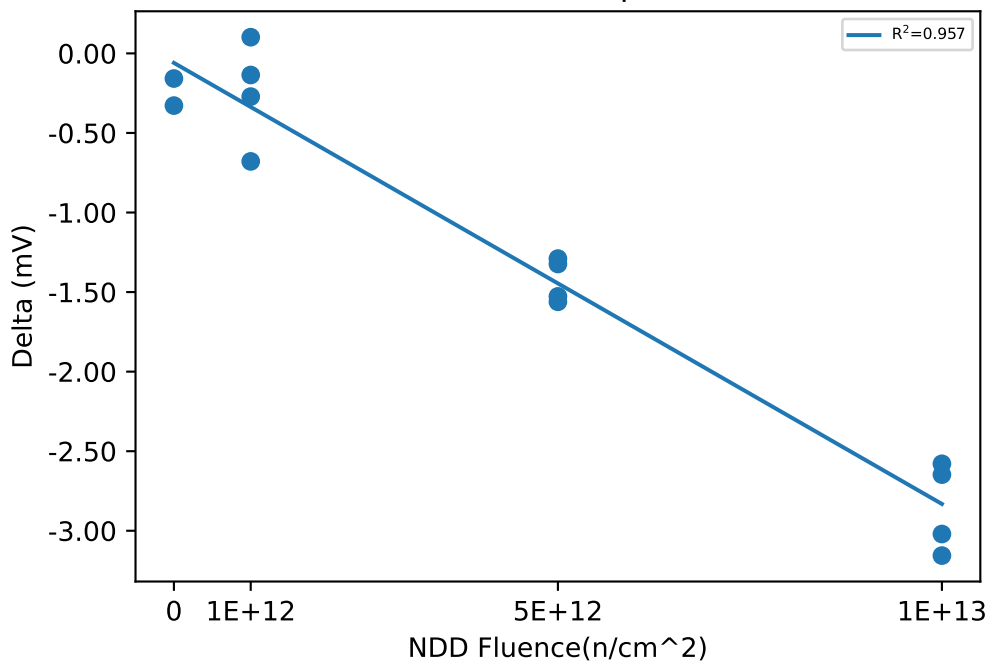
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.53	597.85	-0.6788
2	1e+12	NDD Unbiased	599.75	599.48	-0.2715
3	1e+12	NDD Unbiased	598.93	599.04	0.1018
4	1e+12	NDD Unbiased	598.7	598.56	-0.1358
5	5e+12	NDD Unbiased	599.04	597.51	-1.5272
6	5e+12	NDD Unbiased	599.38	597.81	-1.5611
7	5e+12	NDD Unbiased	599.54	598.22	-1.3236
8	5e+12	NDD Unbiased	599	597.71	-1.2896
9	1e+13	NDD Unbiased	599.61	596.59	-3.0205
10	1e+13	NDD Unbiased	599.78	597.14	-2.6472
11	1e+13	NDD Unbiased	598.59	595.44	-3.1561
12	1e+13	NDD Unbiased	598.12	595.54	-2.5792
53	0	Correlation	599.34	599.18	-0.158
54	0	Correlation	598.87	598.54	-0.328

NDD vs Post - Pre Exposure Delta

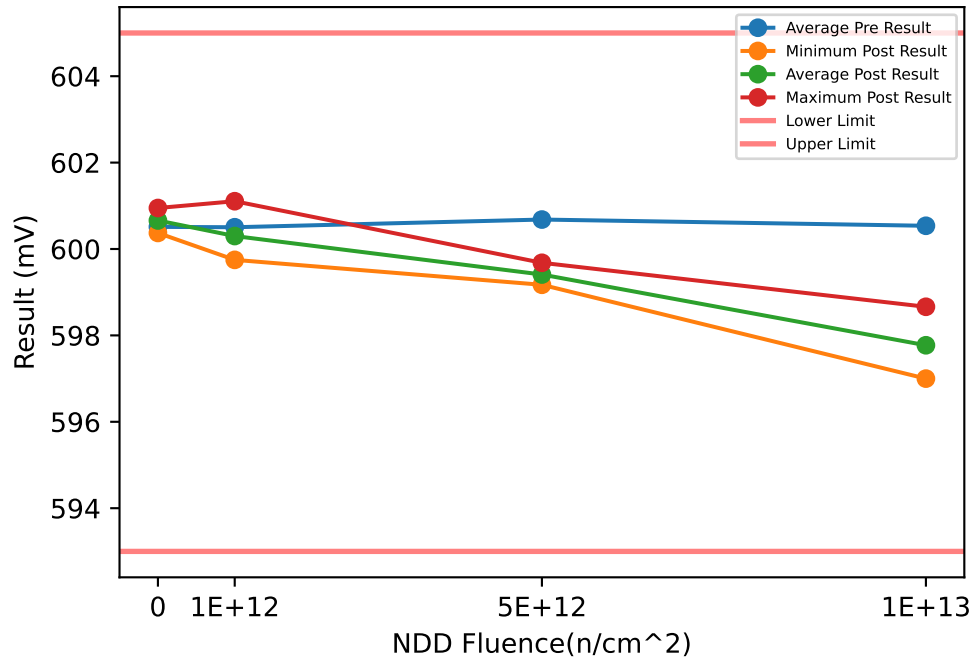


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.87	599.1	599.34	0.33602	598.54	598.86	599.18	0.45623	-0.328	-0.243	-0.158	0.12021
1e+12	598.53	598.98	599.75	0.54112	597.85	598.73	599.48	0.69716	-0.6788	-0.24607	0.1018	0.32715
5e+12	599	599.24	599.54	0.26434	597.51	597.81	598.22	0.29973	-1.5611	-1.4254	-1.2896	0.13854
1e+13	598.12	599.03	599.78	0.80093	595.44	596.18	597.14	0.82494	-3.1561	-2.8508	-2.5792	0.2812

Device Test: 19.6 VTH_SENSE(_LEVEL|FALL/SENSE2/1.6/3/0/0/0/@VTH_SENSE)

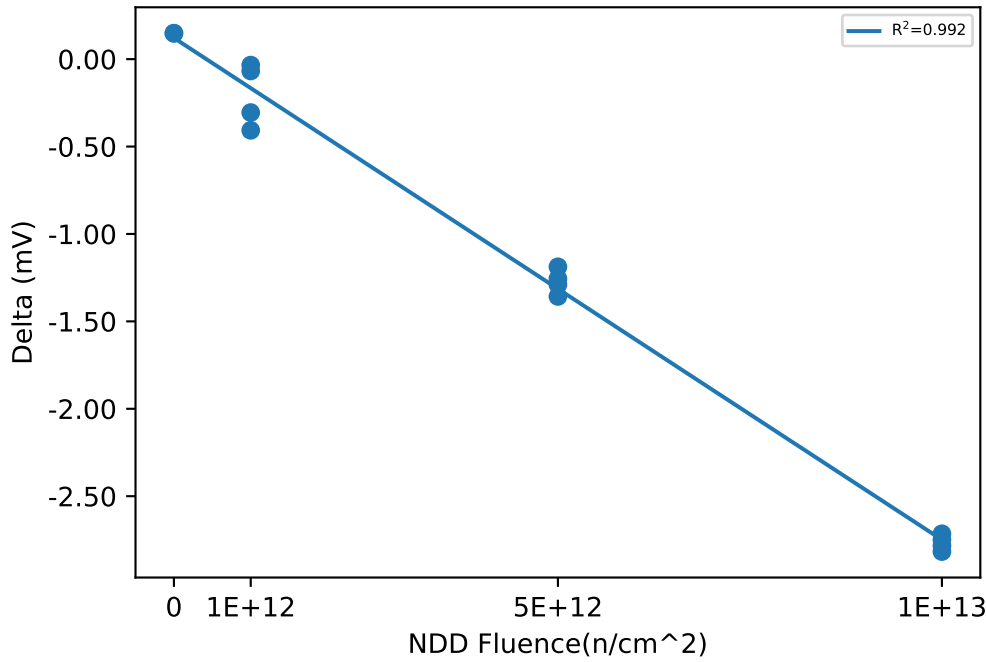
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.05	599.75	-0.3055
2	1e+12	NDD Unbiased	601.17	601.11	-0.0678
3	1e+12	NDD Unbiased	600.63	600.6	-0.0339
4	1e+12	NDD Unbiased	600.16	599.75	-0.4073
5	5e+12	NDD Unbiased	600.56	599.27	-1.2896
6	5e+12	NDD Unbiased	600.87	599.51	-1.3575
7	5e+12	NDD Unbiased	600.87	599.68	-1.1878
8	5e+12	NDD Unbiased	600.43	599.17	-1.2557
9	1e+13	NDD Unbiased	601.04	598.29	-2.749
10	1e+13	NDD Unbiased	601.45	598.66	-2.7829
11	1e+13	NDD Unbiased	599.95	597.14	-2.8169
12	1e+13	NDD Unbiased	599.71	597	-2.715
53	0	Correlation	600.8	600.95	0.1484
54	0	Correlation	600.22	600.37	0.1481

NDD vs Post - Pre Exposure Delta

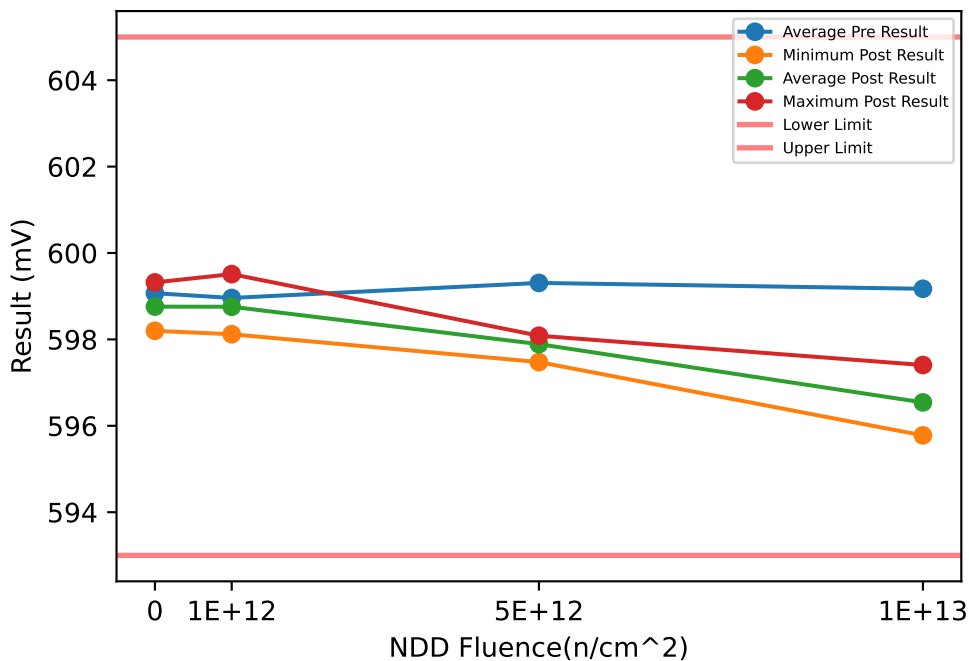


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.22	600.51	600.8	0.40793	600.37	600.66	600.95	0.40814	0.1481	0.14825	0.1484	0.00021213
1e+12	600.05	600.5	601.17	0.51271	599.75	600.3	601.11	0.6699	-0.4073	-0.20363	-0.0339	0.18177
5e+12	600.43	600.68	600.87	0.22256	599.17	599.41	599.68	0.2302	-1.3575	-1.2726	-1.1878	0.070649
1e+13	599.71	600.54	601.45	0.83561	597	597.77	598.66	0.82915	-2.8169	-2.7659	-2.715	0.043842

Device Test: 19.7 VTH_SENSE(_LEVEL|RISE/SENSE3/1.6/3/0/0/0/@VTH_SENSE)

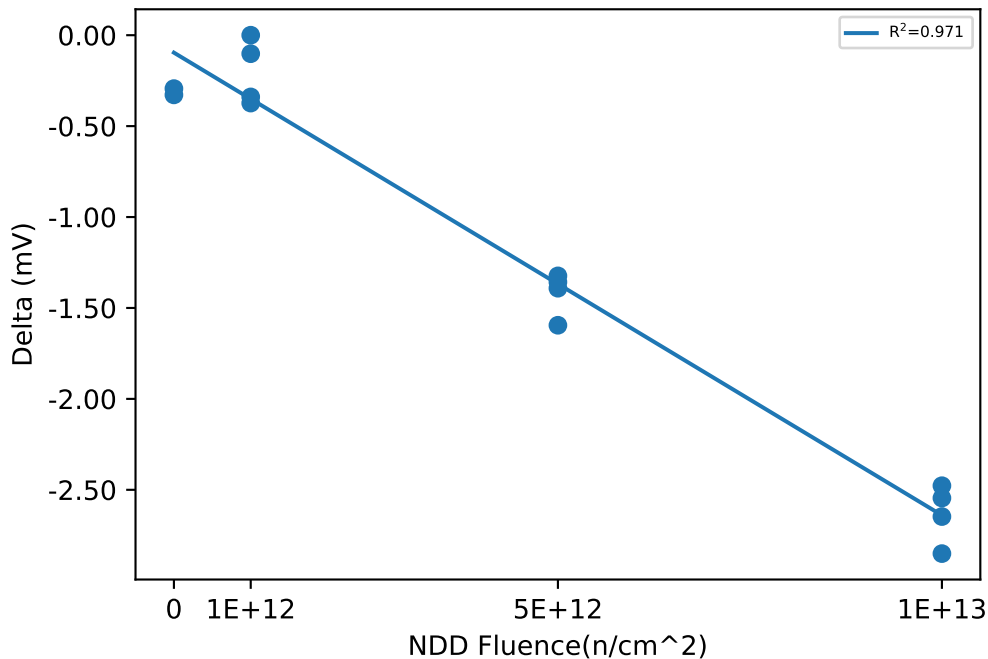
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.9	598.56	-0.3394
2	1e+12	NDD Unbiased	599.88	599.51	-0.3733
3	1e+12	NDD Unbiased	598.12	598.12	0
4	1e+12	NDD Unbiased	598.93	598.83	-0.1018
5	5e+12	NDD Unbiased	598.8	597.47	-1.3236
6	5e+12	NDD Unbiased	599.68	598.09	-1.5951
7	5e+12	NDD Unbiased	599.38	598.02	-1.3575
8	5e+12	NDD Unbiased	599.38	597.98	-1.3914
9	1e+13	NDD Unbiased	599.14	596.49	-2.6471
10	1e+13	NDD Unbiased	599.88	597.41	-2.4775
11	1e+13	NDD Unbiased	599.34	596.49	-2.8508
12	1e+13	NDD Unbiased	598.32	595.78	-2.5452
53	0	Correlation	599.61	599.32	-0.2937
54	0	Correlation	598.53	598.2	-0.3282

NDD vs Post - Pre Exposure Delta

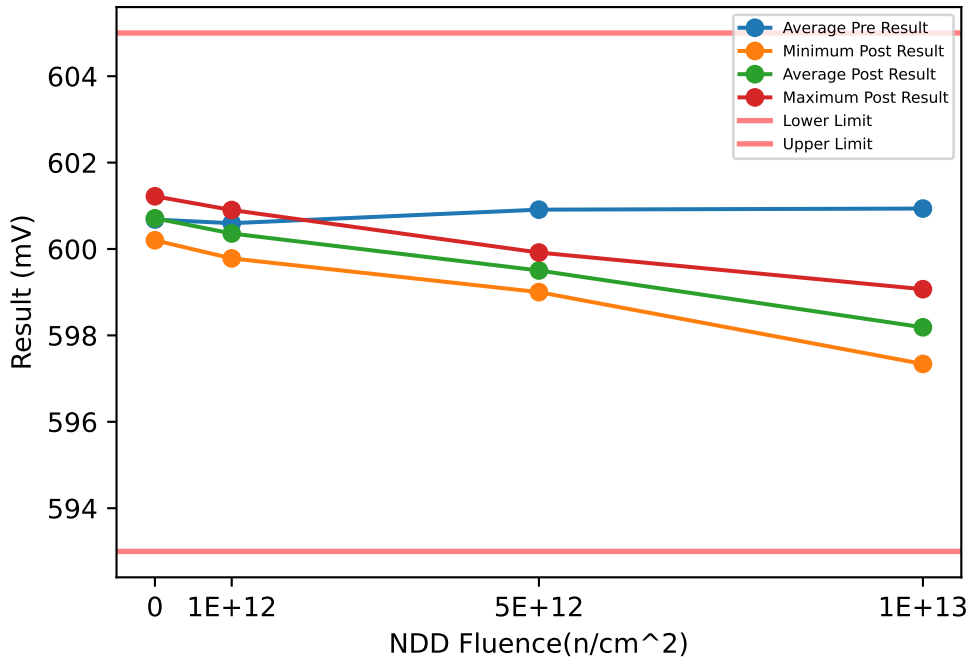


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.53	599.07	599.61	0.76792	598.2	598.76	599.32	0.79231	-0.3282	-0.31095	-0.2937	0.024395
1e+12	598.12	598.96	599.88	0.72227	598.12	598.76	599.51	0.58284	-0.3733	-0.20362	0	0.18171
5e+12	598.8	599.31	599.68	0.36866	597.47	597.89	598.09	0.28038	-1.5951	-1.4169	-1.3236	0.12198
1e+13	598.32	599.17	599.88	0.64752	595.78	596.54	597.41	0.66759	-2.8508	-2.6301	-2.4775	0.16278

Device Test: 19.8 VTH_SENSE(_LEVEL|FALL/SENSE3/1.6/3/0/0/0/@VTH_SENSE)

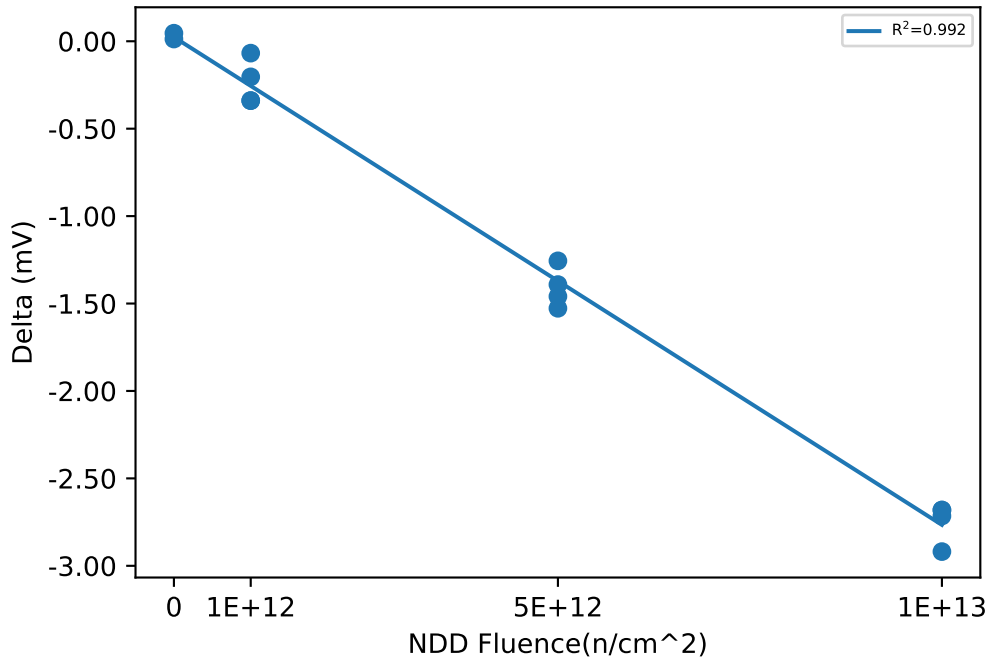
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	600.5	600.43	-0.0679
2	1e+12	NDD Unbiased	601.24	600.9	-0.3394
3	1e+12	NDD Unbiased	599.99	599.78	-0.2036
4	1e+12	NDD Unbiased	600.66	600.33	-0.3394
5	5e+12	NDD Unbiased	600.53	599	-1.5272
6	5e+12	NDD Unbiased	601.31	599.92	-1.3915
7	5e+12	NDD Unbiased	600.83	599.58	-1.2558
8	5e+12	NDD Unbiased	600.97	599.51	-1.4593
9	1e+13	NDD Unbiased	600.94	598.22	-2.7151
10	1e+13	NDD Unbiased	601.75	599.07	-2.6811
11	1e+13	NDD Unbiased	601.04	598.12	-2.9187
12	1e+13	NDD Unbiased	600.02	597.34	-2.681
53	0	Correlation	601.21	601.22	0.0127
54	0	Correlation	600.16	600.2	0.0461

NDD vs Post - Pre Exposure Delta

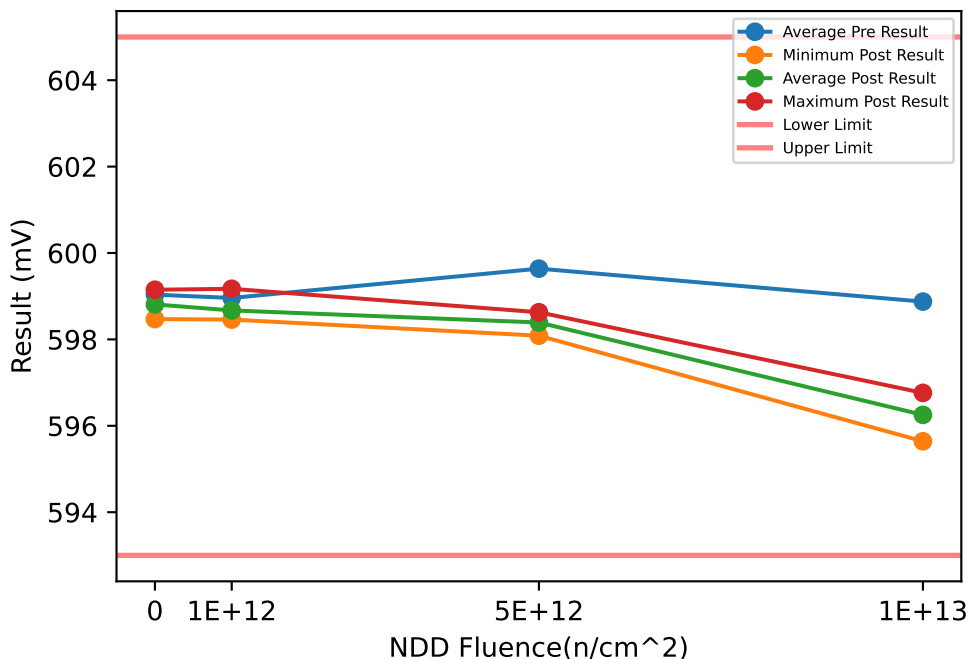


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.16	600.68	601.21	0.74395	600.2	600.71	601.22	0.72033	0.0127	0.0294	0.0461	0.023617
1e+12	599.99	600.6	601.24	0.51767	599.78	600.36	600.9	0.4595	-0.3394	-0.23758	-0.0679	0.12998
5e+12	600.53	600.91	601.31	0.32361	599	599.5	599.92	0.37829	-1.5272	-1.4085	-1.2558	0.11587
1e+13	600.02	600.94	601.75	0.7103	597.34	598.19	599.07	0.70809	-2.9187	-2.749	-2.681	0.11428

Device Test: 19.9 VTH_SENSE(_LEVEL|RISE/SENSE4/1.6/3/0/0/0/@VTH_SENSE)

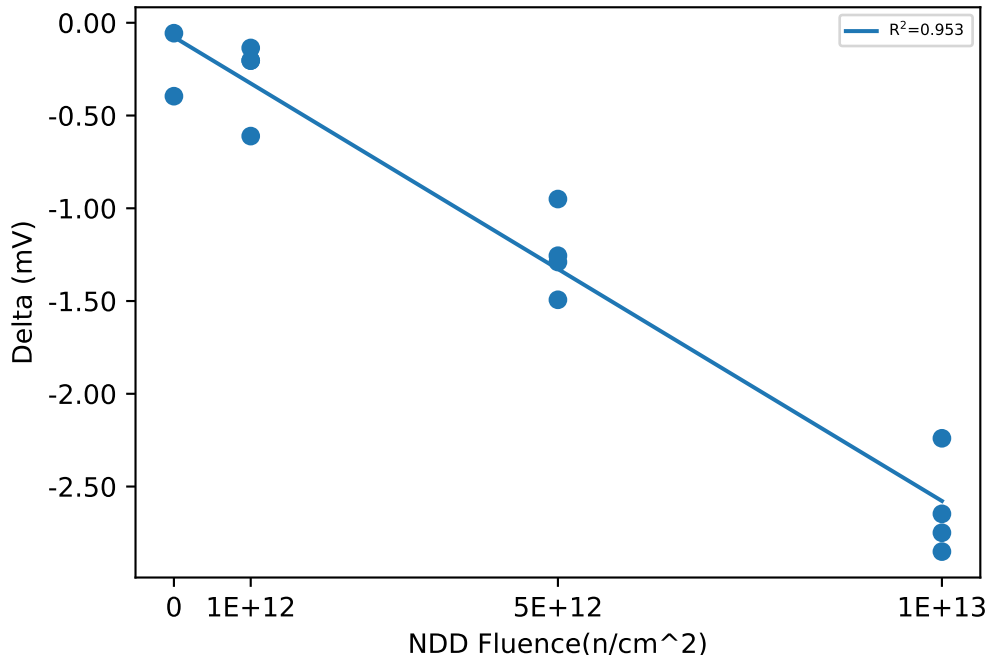
NDD vs Result Stats



Test Results (Lower Limit = 593.0, Upper Limit = 605.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	598.66	598.46	-0.2036
2	1e+12	NDD Unbiased	599.78	599.17	-0.6109
3	1e+12	NDD Unbiased	598.59	598.46	-0.1357
4	1e+12	NDD Unbiased	598.8	598.59	-0.2037
5	5e+12	NDD Unbiased	599.34	598.09	-1.2557
6	5e+12	NDD Unbiased	599.95	598.46	-1.4933
7	5e+12	NDD Unbiased	599.58	598.63	-0.9502
8	5e+12	NDD Unbiased	599.68	598.39	-1.2897
9	1e+13	NDD Unbiased	598.93	596.29	-2.6471
10	1e+13	NDD Unbiased	599	596.76	-2.2399
11	1e+13	NDD Unbiased	599.07	596.32	-2.749
12	1e+13	NDD Unbiased	598.49	595.64	-2.8507
53	0	Correlation	599.21	599.15	-0.0562
54	0	Correlation	598.87	598.47	-0.3958

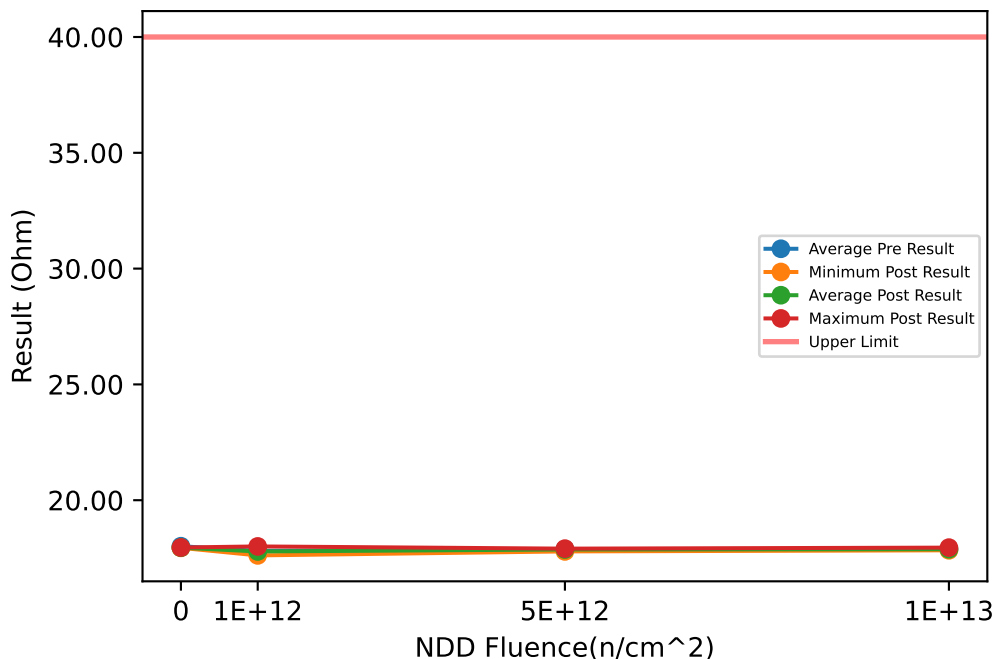
NDD vs Post - Pre Exposure Delta



Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.87	599.04	599.21	0.23999	598.47	598.81	599.15	0.48013	-0.3958	-0.226	-0.0562	0.24013
1e+12	598.59	598.96	599.78	0.55518	598.46	598.67	599.17	0.33981	-0.6109	-0.28848	-0.1357	0.21732
5e+12	599.34	599.64	599.95	0.25304	598.09	598.39	598.63	0.22681	-1.4933	-1.2472	-0.9502	0.22409
1e+13	598.49	598.87	599.07	0.26052	595.64	596.25	596.76	0.46117	-2.8507	-2.6217	-2.2399	0.26775

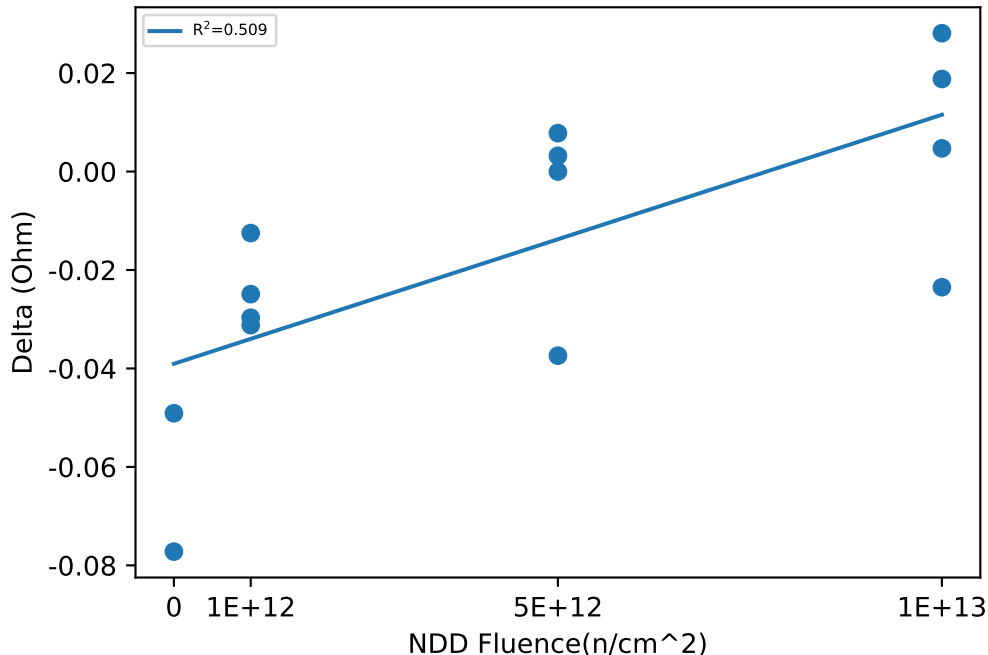
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.63	17.617	-0.0125
2	1e+12	NDD Unbiased	17.669	17.637	-0.0312
3	1e+12	NDD Unbiased	18.034	18.004	-0.0297
4	1e+12	NDD Unbiased	17.914	17.889	-0.0249
5	5e+12	NDD Unbiased	17.947	17.909	-0.0374
6	5e+12	NDD Unbiased	17.89	17.898	0.0078
7	5e+12	NDD Unbiased	17.789	17.789	0
8	5e+12	NDD Unbiased	17.89	17.893	0.0032
9	1e+13	NDD Unbiased	17.861	17.837	-0.0235
10	1e+13	NDD Unbiased	17.948	17.953	0.0047
11	1e+13	NDD Unbiased	17.822	17.85	0.0281
12	1e+13	NDD Unbiased	17.878	17.897	0.0188
53	0	Correlation	18.035	17.958	-0.0772
54	0	Correlation	17.992	17.943	-0.0491

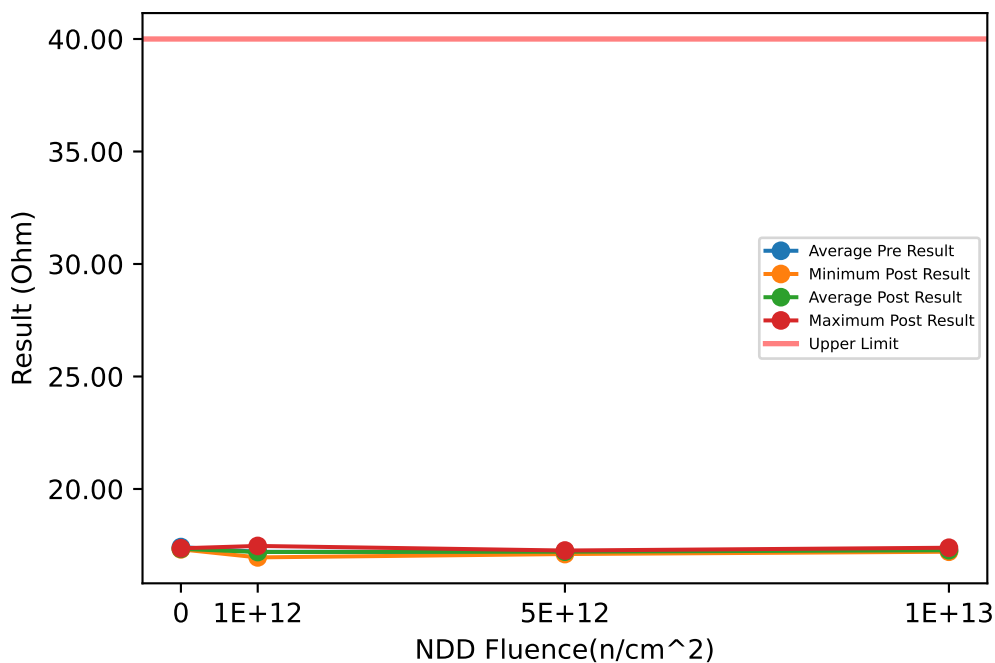
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.992	18.014	18.035	0.030901	17.943	17.95	17.958	0.011031	-0.0772	-0.06315	-0.0491	0.01987
1e+12	17.63	17.811	18.034	0.19447	17.617	17.787	18.004	0.19046	-0.0312	-0.024575	-0.0125	0.0084866
5e+12	17.789	17.879	17.947	0.065695	17.789	17.872	17.909	0.0561	-0.0374	-0.0066	0.0078	0.020781
1e+13	17.822	17.877	17.948	0.052886	17.837	17.884	17.953	0.052469	-0.0235	0.007025	0.0281	0.022509

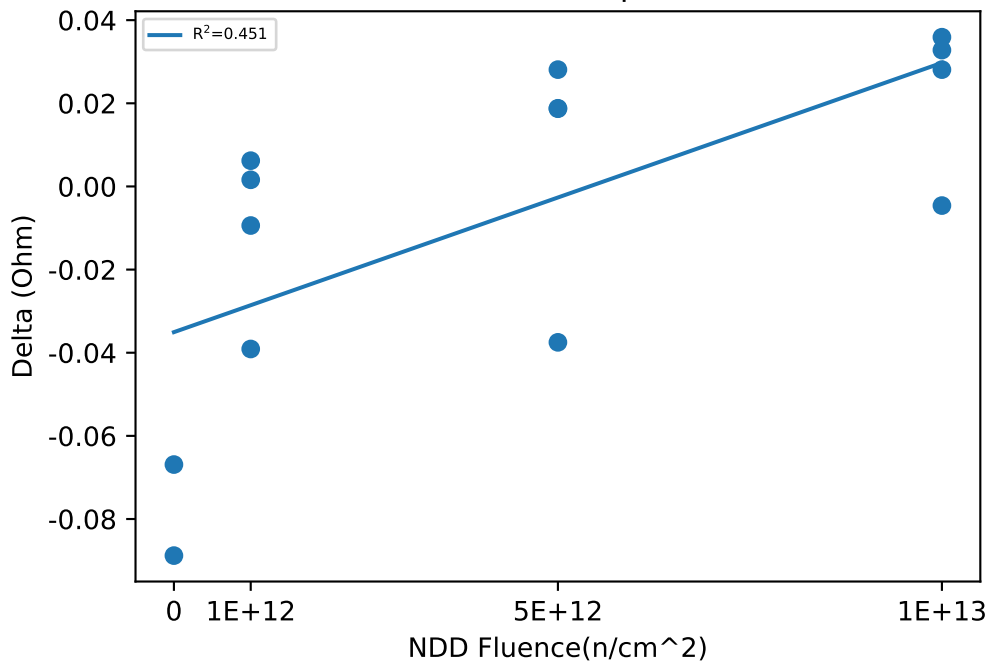
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.998	16.959	-0.0391
2	1e+12	NDD Unbiased	17.053	17.044	-0.0094
3	1e+12	NDD Unbiased	17.467	17.468	0.0016
4	1e+12	NDD Unbiased	17.314	17.32	0.0062
5	5e+12	NDD Unbiased	17.297	17.259	-0.0375
6	5e+12	NDD Unbiased	17.2	17.218	0.0187
7	5e+12	NDD Unbiased	17.08	17.108	0.0281
8	5e+12	NDD Unbiased	17.247	17.265	0.0188
9	1e+13	NDD Unbiased	17.183	17.211	0.0281
10	1e+13	NDD Unbiased	17.356	17.389	0.0328
11	1e+13	NDD Unbiased	17.218	17.214	-0.0046
12	1e+13	NDD Unbiased	17.262	17.298	0.0359
53	0	Correlation	17.406	17.317	-0.0888
54	0	Correlation	17.431	17.364	-0.0669

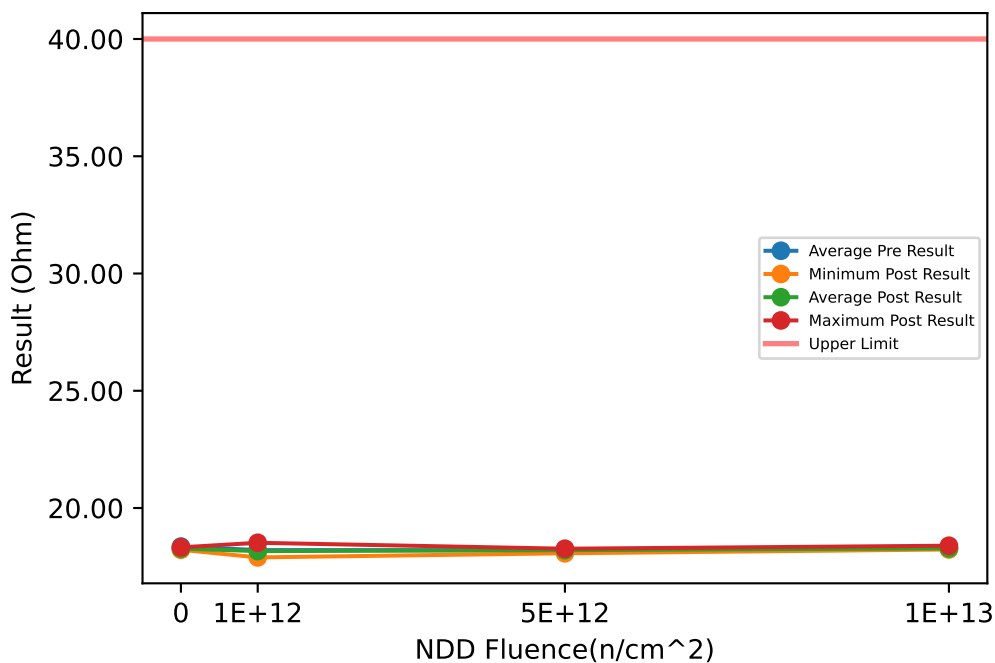
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.406	17.418	17.431	0.017678	17.317	17.341	17.364	0.033163	-0.0888	-0.07785	-0.0669	0.015486
1e+12	16.998	17.208	17.467	0.2207	16.959	17.198	17.468	0.23722	-0.0391	-0.010175	0.0062	0.020364
5e+12	17.08	17.206	17.297	0.092865	17.108	17.213	17.265	0.073004	-0.0375	0.007025	0.0281	0.030009
1e+13	17.183	17.255	17.356	0.074851	17.211	17.278	17.389	0.084263	-0.0046	0.02305	0.0359	0.01871

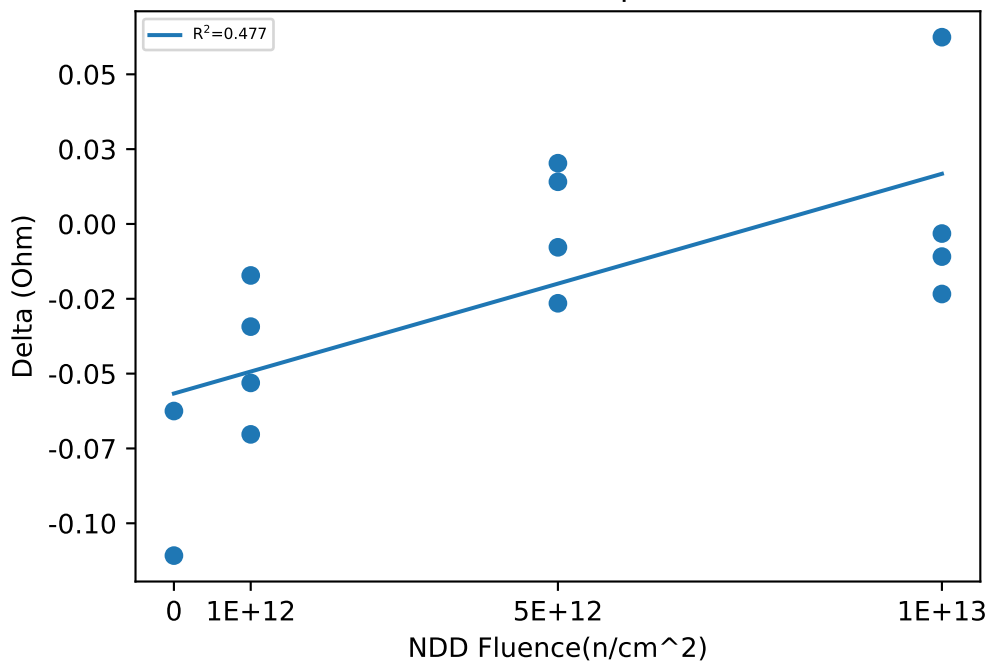
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.985	17.951	-0.0343
2	1e+12	NDD Unbiased	17.965	17.894	-0.0703
3	1e+12	NDD Unbiased	18.571	18.518	-0.0531
4	1e+12	NDD Unbiased	18.302	18.285	-0.0172
5	5e+12	NDD Unbiased	18.272	18.265	-0.0078
6	5e+12	NDD Unbiased	18.21	18.23	0.0203
7	5e+12	NDD Unbiased	18.055	18.069	0.0141
8	5e+12	NDD Unbiased	18.271	18.244	-0.0265
9	1e+13	NDD Unbiased	18.249	18.246	-0.0032
10	1e+13	NDD Unbiased	18.33	18.393	0.0624
11	1e+13	NDD Unbiased	18.263	18.252	-0.0109
12	1e+13	NDD Unbiased	18.255	18.232	-0.0234
53	0	Correlation	18.433	18.322	-0.1108
54	0	Correlation	18.282	18.219	-0.0625

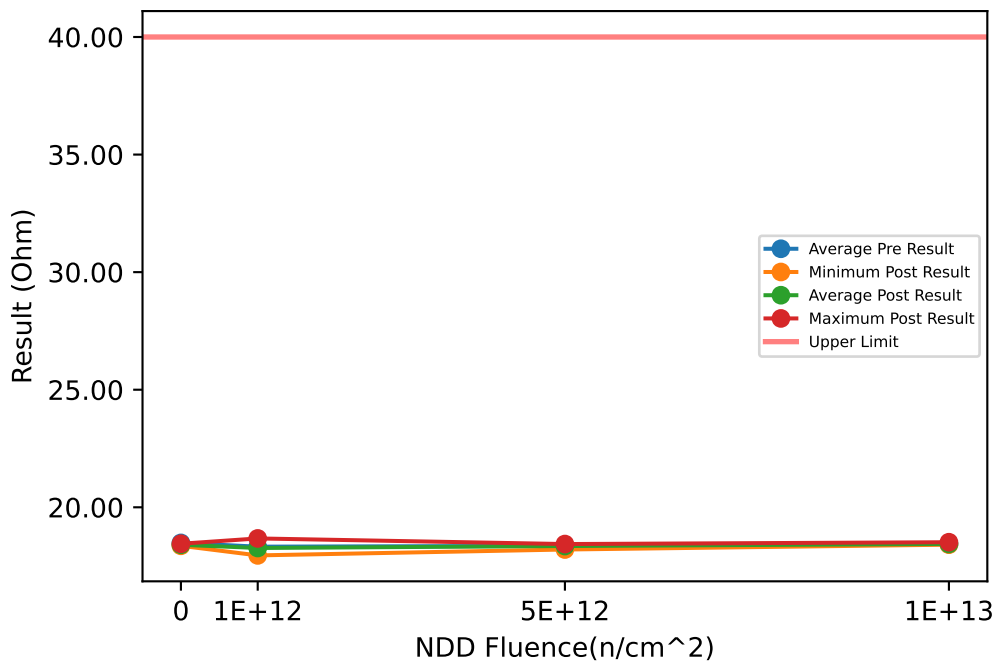
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.282	18.358	18.433	0.10706	18.219	18.271	18.322	0.072903	-0.1108	-0.08665	-0.0625	0.034153
1e+12	17.965	18.206	18.571	0.28828	17.894	18.162	18.518	0.29315	-0.0703	-0.043725	-0.0172	0.022997
5e+12	18.055	18.202	18.272	0.1021	18.069	18.202	18.265	0.089603	-0.0265	2.5e-05	0.0203	0.021401
1e+13	18.249	18.274	18.33	0.037671	18.232	18.281	18.393	0.075164	-0.0234	0.006225	0.0624	0.038364

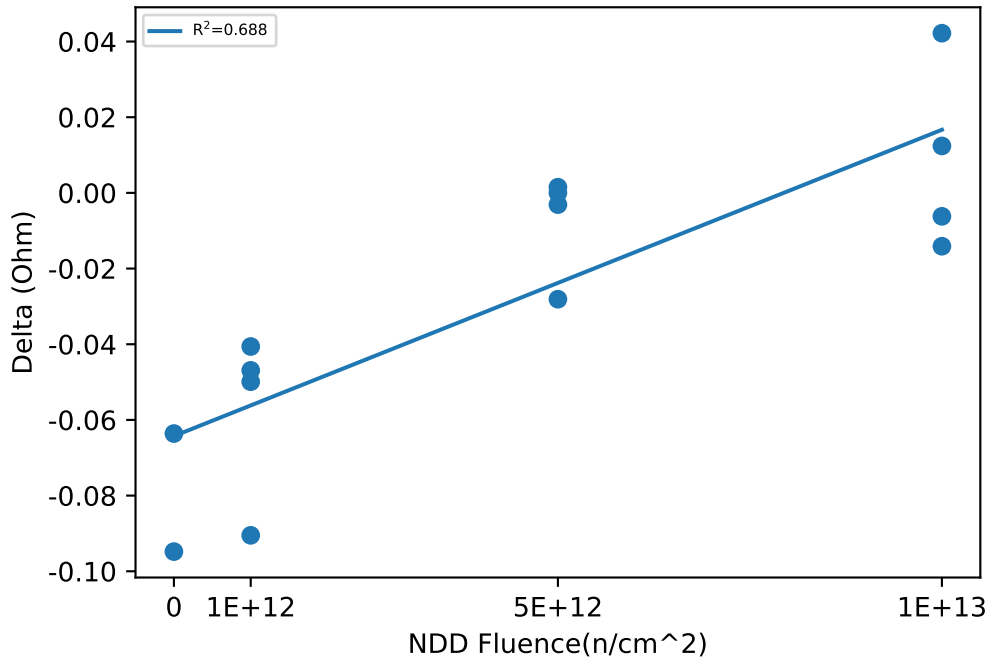
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	18.154	18.104	-0.0499
2	1e+12	NDD Unbiased	18.045	17.954	-0.0905
3	1e+12	NDD Unbiased	18.723	18.676	-0.0469
4	1e+12	NDD Unbiased	18.382	18.341	-0.0406
5	5e+12	NDD Unbiased	18.416	18.388	-0.0281
6	5e+12	NDD Unbiased	18.437	18.437	0
7	5e+12	NDD Unbiased	18.203	18.204	0.0015
8	5e+12	NDD Unbiased	18.384	18.381	-0.0031
9	1e+13	NDD Unbiased	18.427	18.421	-0.0062
10	1e+13	NDD Unbiased	18.473	18.515	0.0422
11	1e+13	NDD Unbiased	18.424	18.41	-0.0141
12	1e+13	NDD Unbiased	18.41	18.423	0.0124
53	0	Correlation	18.544	18.45	-0.0948
54	0	Correlation	18.426	18.362	-0.0636

NDD vs Post - Pre Exposure Delta

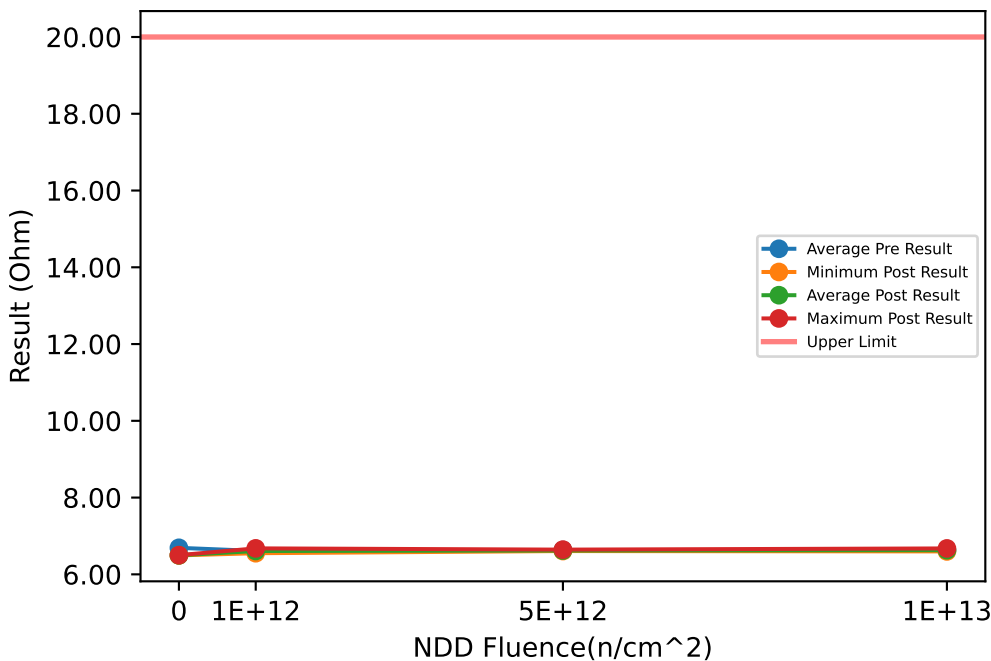


Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.426	18.485	18.544	0.083863	18.362	18.406	18.45	0.061801	-0.0948	-0.0792	-0.0636	0.022062
1e+12	18.045	18.326	18.723	0.29948	17.954	18.269	18.676	0.31457	-0.0905	-0.056975	-0.0406	0.022684
5e+12	18.203	18.36	18.437	0.10712	18.204	18.352	18.437	0.10199	-0.0281	-0.007425	0.0015	0.013916
1e+13	18.41	18.434	18.473	0.027059	18.41	18.442	18.515	0.048753	-0.0141	0.008575	0.0422	0.025018

Device Test: 20.13 EN_RPMOS_HIGH_V(_RESISTANCE|SOURCE/EN1/7/3/0/0/2/@EN_RPMOS_HIGH_V)

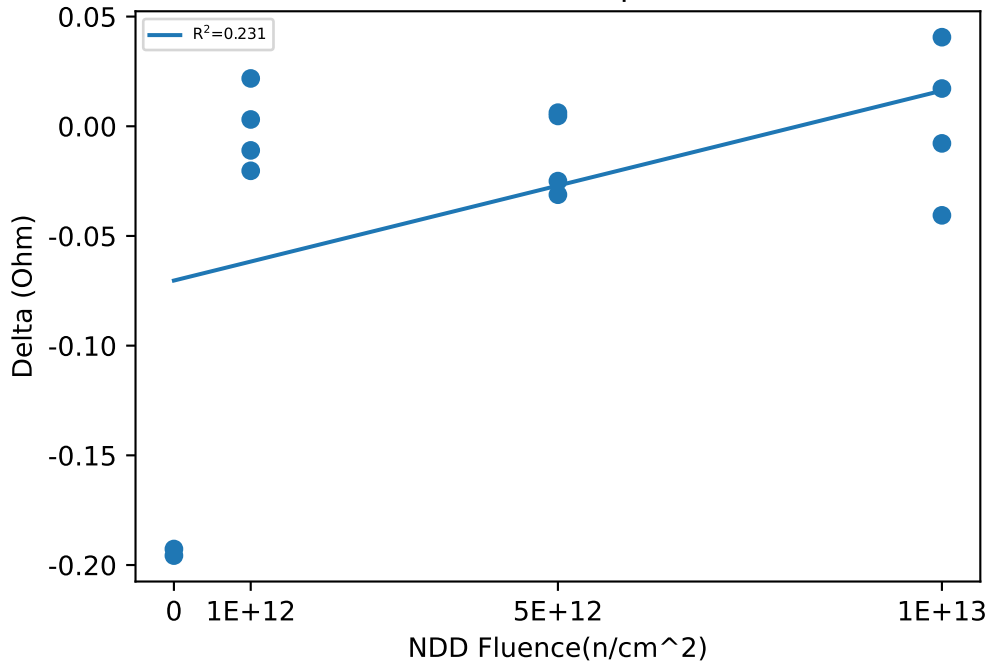
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.5615	6.5505	-0.011
2	1e+12	NDD Unbiased	6.5615	6.5833	0.0218
3	1e+12	NDD Unbiased	6.6739	6.677	0.0031
4	1e+12	NDD Unbiased	6.6426	6.6223	-0.0203
5	5e+12	NDD Unbiased	6.6395	6.6442	0.0047
6	5e+12	NDD Unbiased	6.6551	6.6239	-0.0312
7	5e+12	NDD Unbiased	6.6005	6.6067	0.0062
8	5e+12	NDD Unbiased	6.6333	6.6083	-0.025
9	1e+13	NDD Unbiased	6.5802	6.5974	0.0172
10	1e+13	NDD Unbiased	6.6458	6.638	-0.0078
11	1e+13	NDD Unbiased	6.6348	6.6754	0.0406
12	1e+13	NDD Unbiased	6.6473	6.6067	-0.0406
53	0	Correlation	6.6957	6.5	-0.1957
54	0	Correlation	6.6864	6.4937	-0.1927

NDD vs Post - Pre Exposure Delta

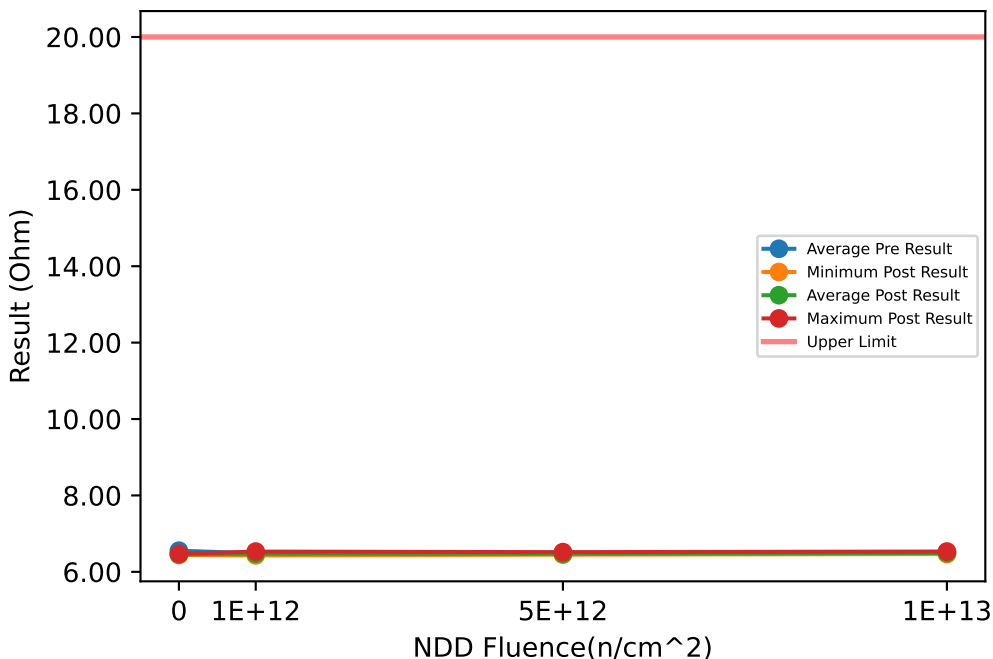


Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.6864	6.6911	6.6957	0.0065761	6.4937	6.4969	6.5	0.0044548	-0.1957	-0.1942	-0.1927	0.0021213
1e+12	6.5615	6.6099	6.6739	0.057302	6.5505	6.6083	6.677	0.054411	-0.0203	-0.0016	0.0218	0.018328
5e+12	6.6005	6.6321	6.6551	0.022977	6.6067	6.6208	6.6442	0.017438	-0.0312	-0.011325	0.0062	0.019544
1e+13	6.5802	6.627	6.6473	0.03171	6.5974	6.6294	6.6754	0.035257	-0.0406	0.00235	0.0406	0.034791

Device Test: 20.14 EN_RPMOS_HIGH_V(_RESISTANCE|SOURCE/EN2/7/3/0/0/2/@EN_RPMOS_HIGH_V)

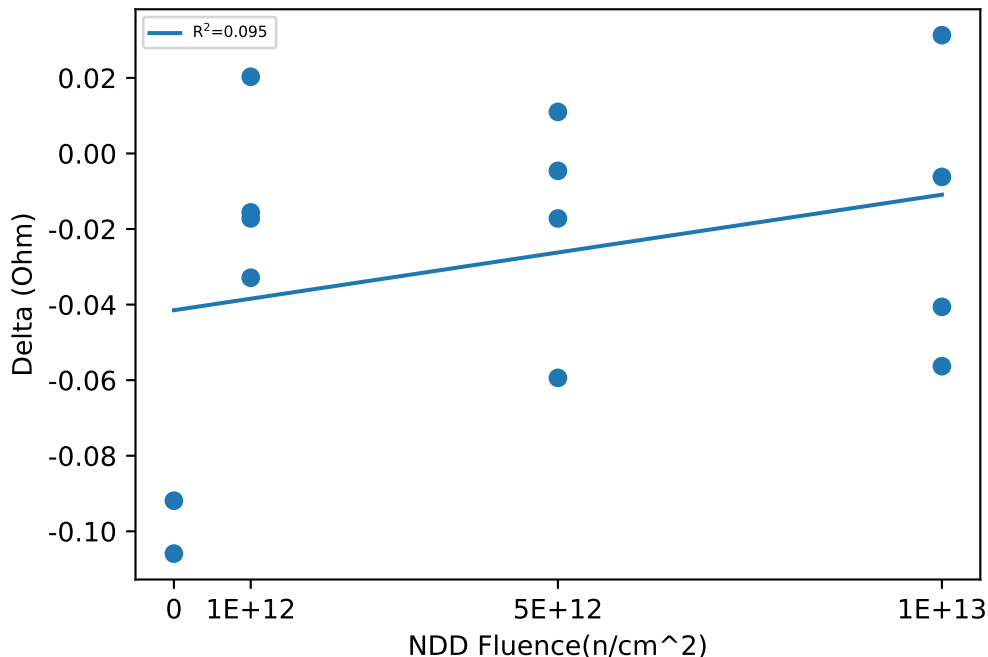
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.446	6.4304	-0.0156
2	1e+12	NDD Unbiased	6.4569	6.4772	0.0203
3	1e+12	NDD Unbiased	6.5475	6.5303	-0.0172
4	1e+12	NDD Unbiased	6.4882	6.4553	-0.0329
5	5e+12	NDD Unbiased	6.4757	6.4585	-0.0172
6	5e+12	NDD Unbiased	6.5085	6.4491	-0.0594
7	5e+12	NDD Unbiased	6.4725	6.4679	-0.0046
8	5e+12	NDD Unbiased	6.5053	6.5163	0.011
9	1e+13	NDD Unbiased	6.5053	6.4647	-0.0406
10	1e+13	NDD Unbiased	6.5366	6.4803	-0.0563
11	1e+13	NDD Unbiased	6.5053	6.4991	-0.0062
12	1e+13	NDD Unbiased	6.5006	6.5319	0.0313
53	0	Correlation	6.5459	6.44	-0.1059
54	0	Correlation	6.5631	6.4712	-0.0919

NDD vs Post - Pre Exposure Delta

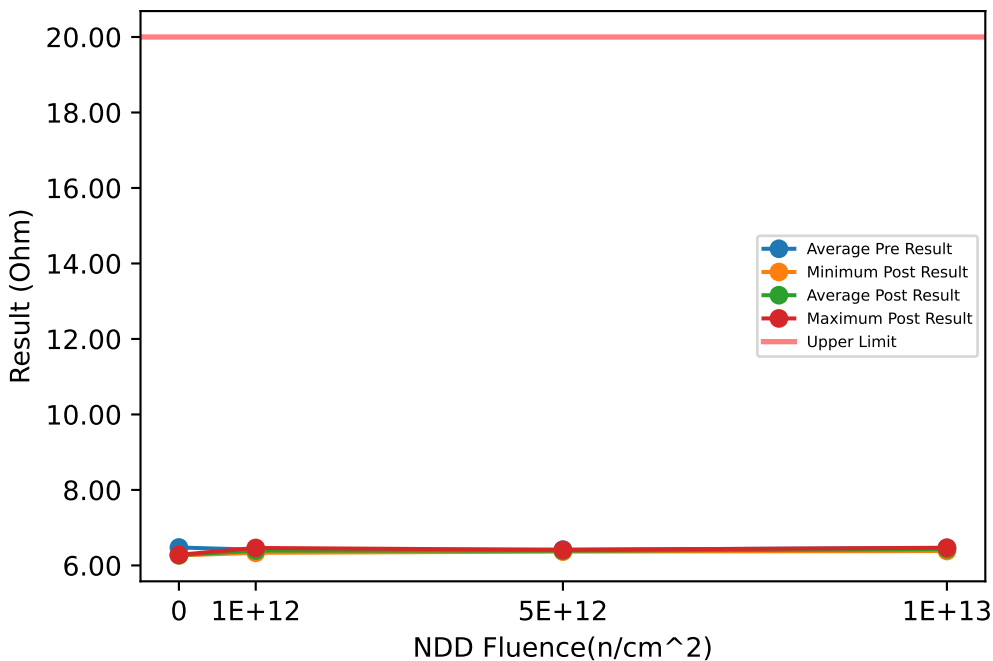


Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.5459	6.5545	6.5631	0.012162	6.44	6.4556	6.4712	0.022062	-0.1059	-0.0989	-0.0919	0.0098995
1e+12	6.446	6.4847	6.5475	0.045558	6.4304	6.4733	6.5303	0.042539	-0.0329	-0.01135	0.0203	0.022497
5e+12	6.4725	6.4905	6.5085	0.019027	6.4491	6.4729	6.5163	0.029902	-0.0594	-0.01755	0.011	0.03019
1e+13	6.5006	6.512	6.5366	0.016582	6.4647	6.494	6.5319	0.028917	-0.0563	-0.01795	0.0313	0.038933

Device Test: 20.15 EN_RPMOS_HIGH_V(_RESISTANCE|SOURCE/EN3/7/3/0/0/2/@EN_RPMOS_HIGH_V)

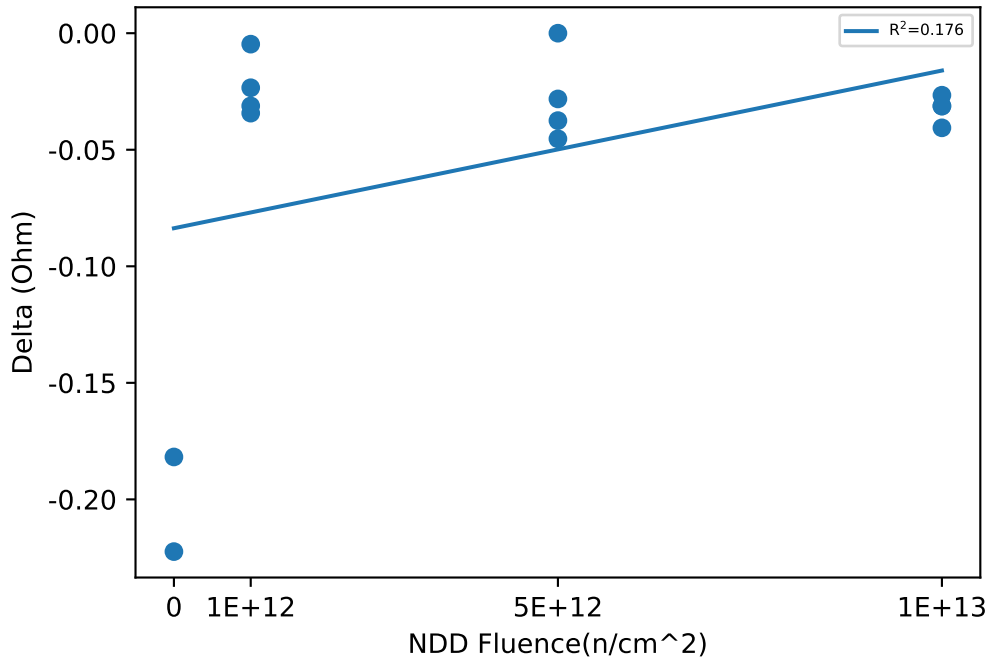
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.3648	6.3336	-0.0312
2	1e+12	NDD Unbiased	6.4007	6.3773	-0.0234
3	1e+12	NDD Unbiased	6.4975	6.4632	-0.0343
4	1e+12	NDD Unbiased	6.4023	6.3976	-0.0047
5	5e+12	NDD Unbiased	6.4398	6.4116	-0.0282
6	5e+12	NDD Unbiased	6.3992	6.3992	0
7	5e+12	NDD Unbiased	6.4023	6.3648	-0.0375
8	5e+12	NDD Unbiased	6.4273	6.382	-0.0453
9	1e+13	NDD Unbiased	6.4226	6.382	-0.0406
10	1e+13	NDD Unbiased	6.4694	6.4382	-0.0312
11	1e+13	NDD Unbiased	6.4601	6.4288	-0.0313
12	1e+13	NDD Unbiased	6.496	6.4694	-0.0266
53	0	Correlation	6.4476	6.2658	-0.1818
54	0	Correlation	6.5038	6.2814	-0.2224

NDD vs Post - Pre Exposure Delta

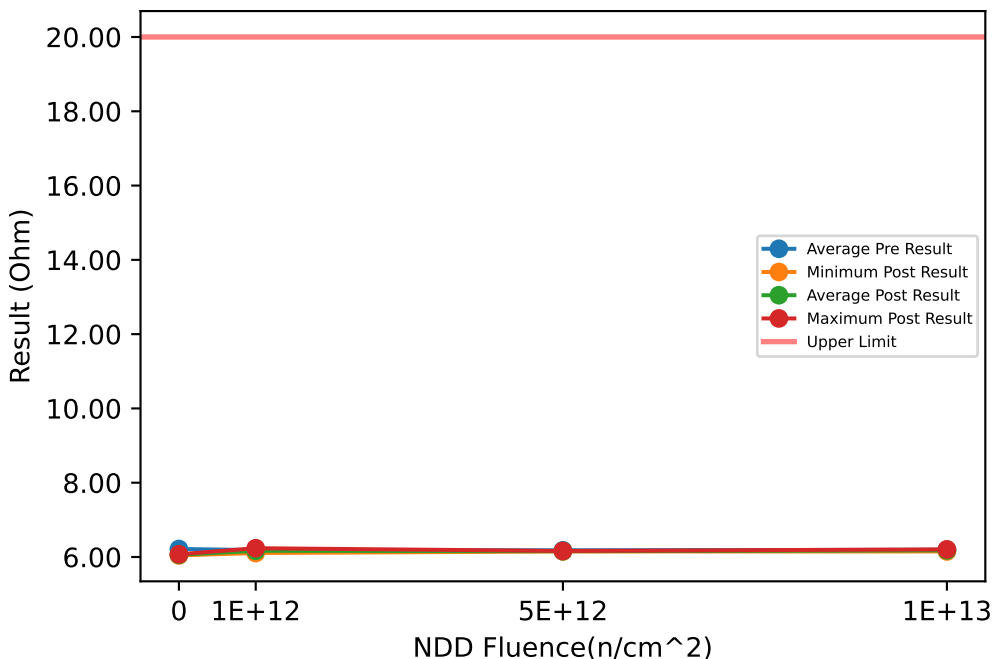


Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4476	6.4757	6.5038	0.039739	6.2658	6.2736	6.2814	0.011031	-0.2224	-0.2021	-0.1818	0.028709
1e+12	6.3648	6.4163	6.4975	0.056819	6.3336	6.3929	6.4632	0.053926	-0.0343	-0.0234	-0.0047	0.013283
5e+12	6.3992	6.4172	6.4398	0.019653	6.3648	6.3894	6.4116	0.020403	-0.0453	-0.02775	0	0.019777
1e+13	6.4226	6.462	6.496	0.030368	6.382	6.4296	6.4694	0.036168	-0.0406	-0.032425	-0.0266	0.0058745

Device Test: 20.16 EN_RPMOS_HIGH_V(_RESISTANCE|SOURCE/EN4/7/3/0/0/2/@EN_RPMOS_HIGH_V)

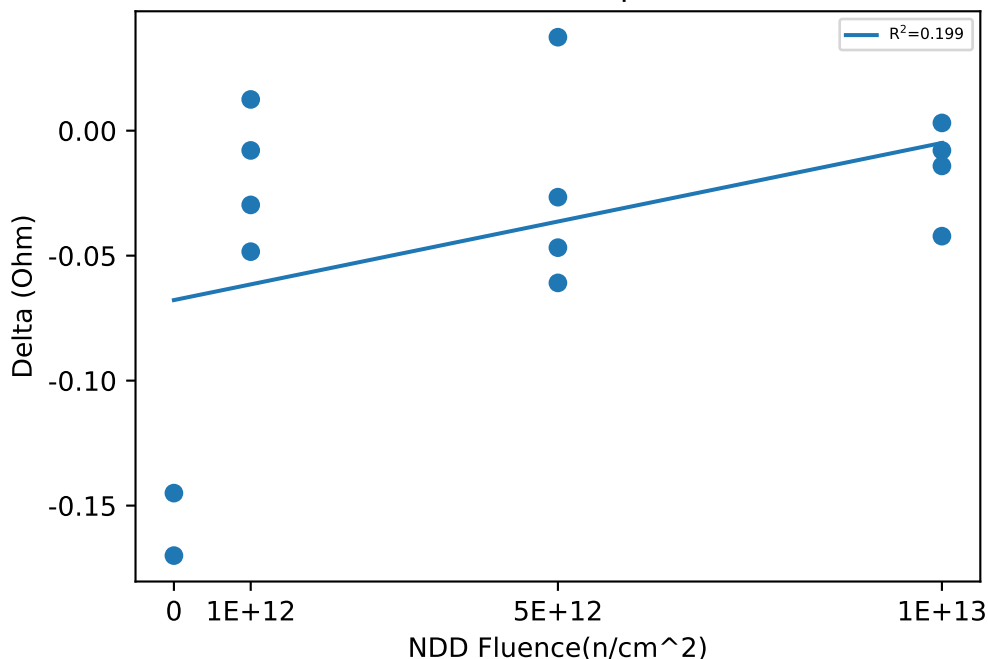
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.1556	6.1072	-0.0484
2	1e+12	NDD Unbiased	6.1634	6.1337	-0.0297
3	1e+12	NDD Unbiased	6.2243	6.2368	0.0125
4	1e+12	NDD Unbiased	6.2009	6.193	-0.0079
5	5e+12	NDD Unbiased	6.2196	6.1587	-0.0609
6	5e+12	NDD Unbiased	6.1759	6.1493	-0.0266
7	5e+12	NDD Unbiased	6.115	6.1524	0.0374
8	5e+12	NDD Unbiased	6.2102	6.1634	-0.0468
9	1e+13	NDD Unbiased	6.1634	6.1493	-0.0141
10	1e+13	NDD Unbiased	6.2134	6.2055	-0.0079
11	1e+13	NDD Unbiased	6.1915	6.1946	0.0031
12	1e+13	NDD Unbiased	6.2071	6.1649	-0.0422
53	0	Correlation	6.2133	6.0433	-0.17
54	0	Correlation	6.218	6.073	-0.145

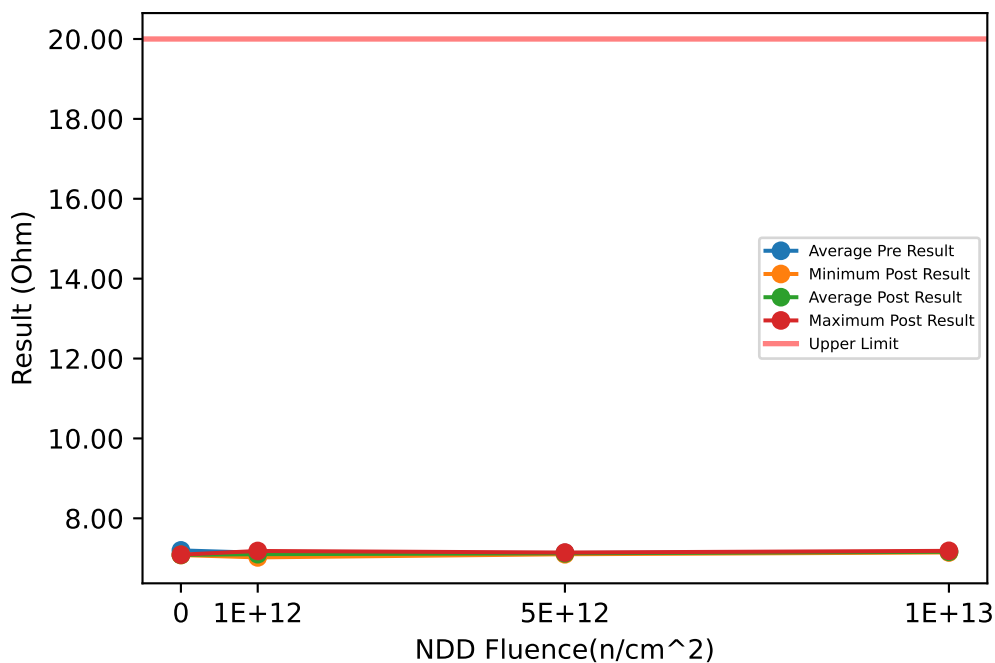
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.2133	6.2157	6.218	0.0033234	6.0433	6.0582	6.073	0.021001	-0.17	-0.1575	-0.145	0.017678
1e+12	6.1556	6.186	6.2243	0.032269	6.1072	6.1677	6.2368	0.058398	-0.0484	-0.018375	0.0125	0.026412
5e+12	6.115	6.1802	6.2196	0.047335	6.1493	6.1559	6.1634	0.0063217	-0.0609	-0.024225	0.0374	0.043428
1e+13	6.1634	6.1938	6.2134	0.02229	6.1493	6.1786	6.2055	0.025986	-0.0422	-0.015275	0.0031	0.019308

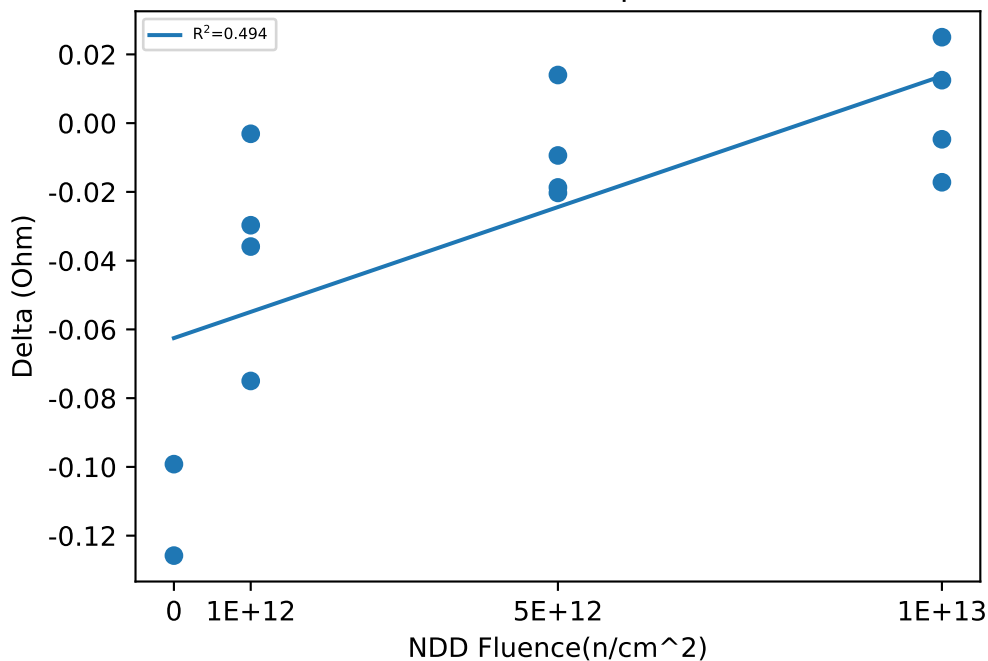
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	7.1249	7.089	-0.0359
2	1e+12	NDD Unbiased	7.0968	7.0218	-0.075
3	1e+12	NDD Unbiased	7.1858	7.1827	-0.0031
4	1e+12	NDD Unbiased	7.1452	7.1155	-0.0297
5	5e+12	NDD Unbiased	7.1296	7.1436	0.014
6	5e+12	NDD Unbiased	7.1186	7.0999	-0.0187
7	5e+12	NDD Unbiased	7.1452	7.1358	-0.0094
8	5e+12	NDD Unbiased	7.1358	7.1155	-0.0203
9	1e+13	NDD Unbiased	7.1327	7.1452	0.0125
10	1e+13	NDD Unbiased	7.1421	7.1671	0.025
11	1e+13	NDD Unbiased	7.203	7.1858	-0.0172
12	1e+13	NDD Unbiased	7.1577	7.153	-0.0047
53	0	Correlation	7.1889	7.0897	-0.0992
54	0	Correlation	7.2061	7.0803	-0.1258

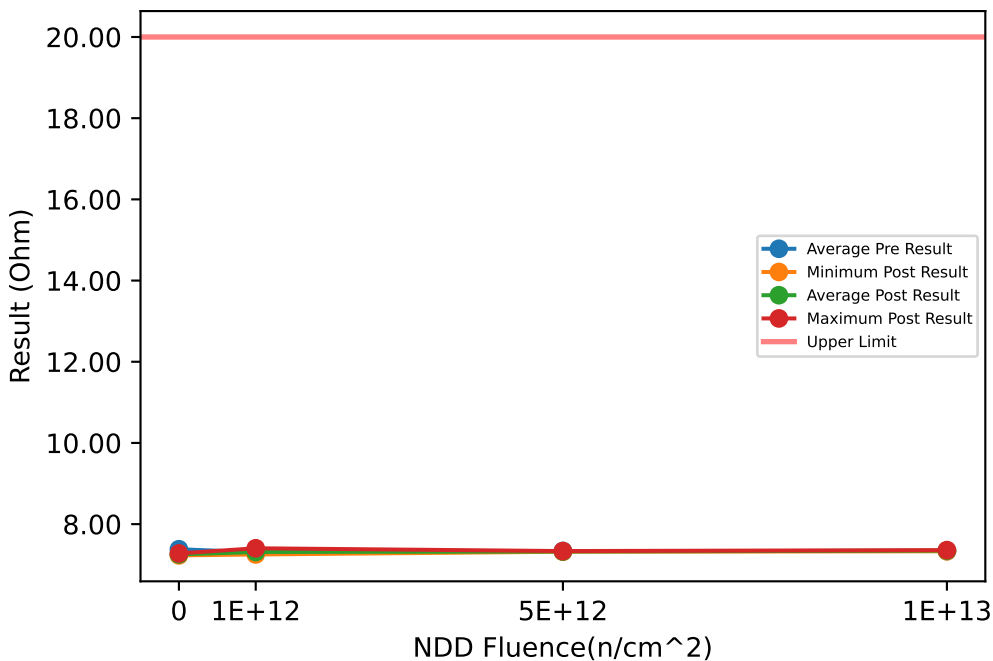
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.1889	7.1975	7.2061	0.012162	7.0803	7.085	7.0897	0.0066468	-0.1258	-0.1125	-0.0992	0.018809
1e+12	7.0968	7.1382	7.1858	0.037442	7.0218	7.1022	7.1827	0.066572	-0.075	-0.035925	-0.0031	0.029682
5e+12	7.1186	7.1323	7.1452	0.011116	7.0999	7.1237	7.1436	0.0198	-0.0203	-0.0086	0.014	0.015815
1e+13	7.1327	7.1589	7.203	0.031171	7.1452	7.1628	7.1858	0.017826	-0.0172	0.0039	0.025	0.018604

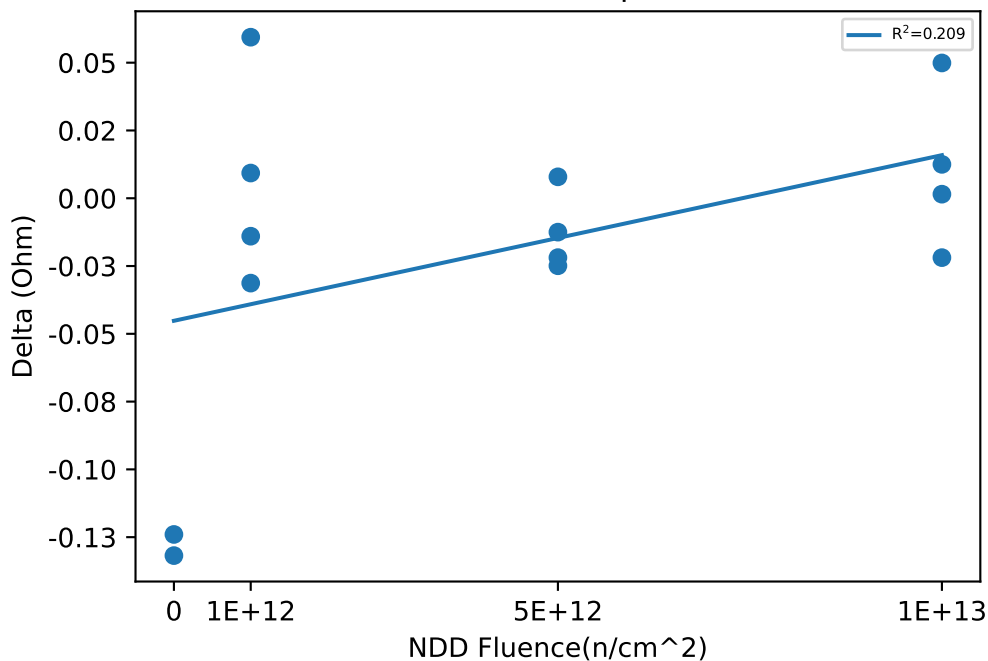
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	7.2664	7.2524	-0.014
2	1e+12	NDD Unbiased	7.2461	7.3055	0.0594
3	1e+12	NDD Unbiased	7.4367	7.4054	-0.0313
4	1e+12	NDD Unbiased	7.2821	7.2914	0.0093
5	5e+12	NDD Unbiased	7.3414	7.3195	-0.0219
6	5e+12	NDD Unbiased	7.3492	7.3367	-0.0125
7	5e+12	NDD Unbiased	7.3148	7.3227	0.0079
8	5e+12	NDD Unbiased	7.3476	7.3227	-0.0249
9	1e+13	NDD Unbiased	7.3305	7.332	0.0015
10	1e+13	NDD Unbiased	7.3102	7.3601	0.0499
11	1e+13	NDD Unbiased	7.3445	7.357	0.0125
12	1e+13	NDD Unbiased	7.3633	7.3414	-0.0219
53	0	Correlation	7.3539	7.2299	-0.124
54	0	Correlation	7.4101	7.2783	-0.1318

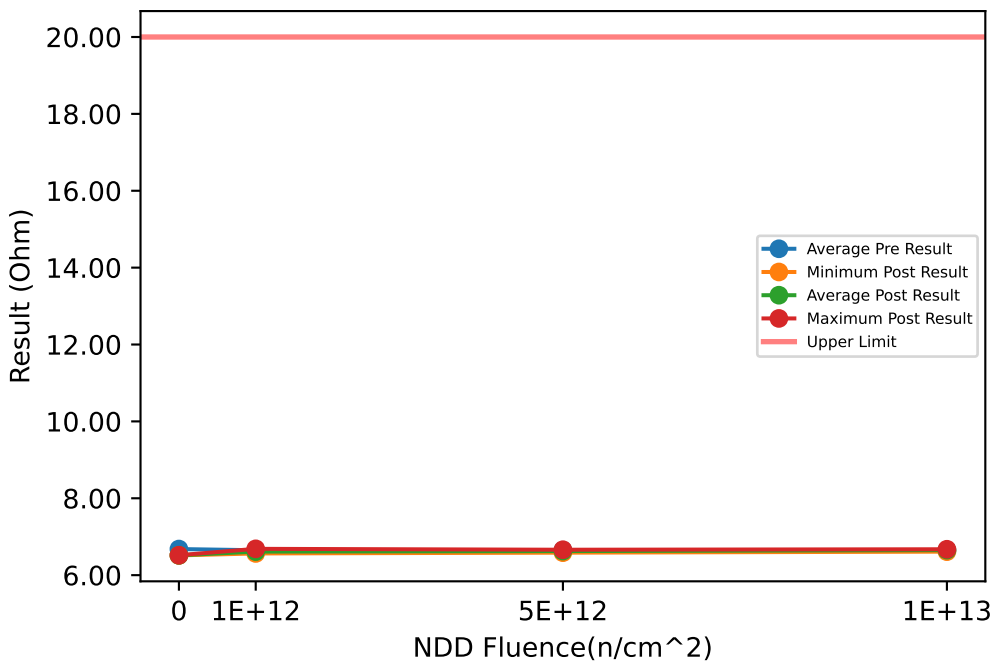
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3539	7.382	7.4101	0.039739	7.2299	7.2541	7.2783	0.034224	-0.1318	-0.1279	-0.124	0.0055154
1e+12	7.2461	7.3078	7.4367	0.087171	7.2524	7.3137	7.4054	0.065144	-0.0313	0.00585	0.0594	0.039385
5e+12	7.3148	7.3383	7.3492	0.015991	7.3195	7.3254	7.3367	0.0076829	-0.0249	-0.01285	0.0079	0.014808
1e+13	7.3102	7.3371	7.3633	0.022423	7.332	7.3476	7.3601	0.013246	-0.0219	0.0105	0.0499	0.029928

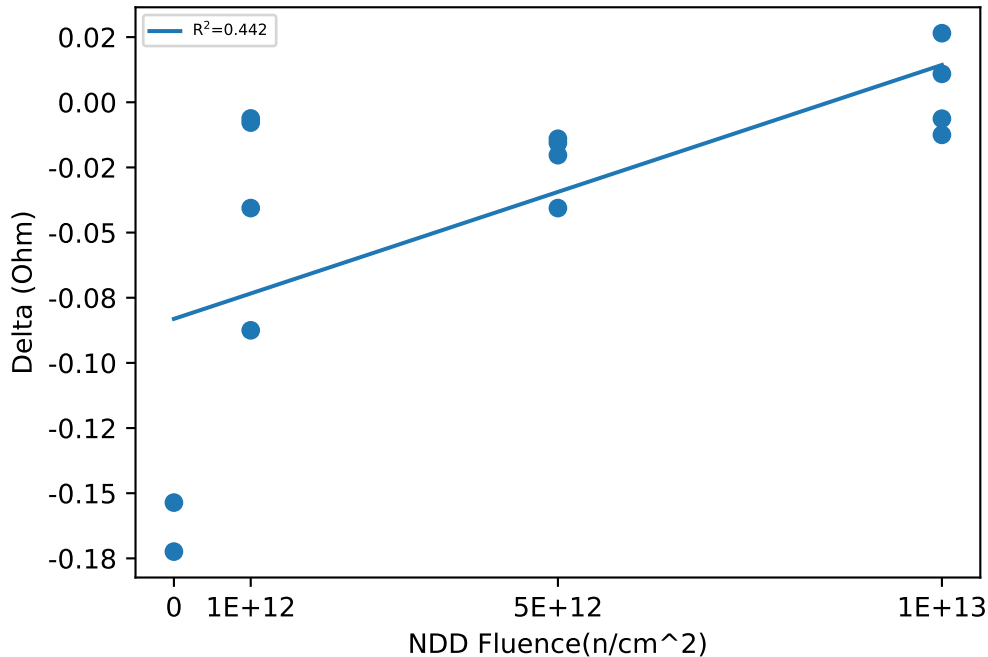
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.6052	6.5646	-0.0406
2	1e+12	NDD Unbiased	6.6161	6.6099	-0.0062
3	1e+12	NDD Unbiased	6.6926	6.6848	-0.0078
4	1e+12	NDD Unbiased	6.6786	6.5911	-0.0875
5	5e+12	NDD Unbiased	6.6879	6.6473	-0.0406
6	5e+12	NDD Unbiased	6.6817	6.6614	-0.0203
7	5e+12	NDD Unbiased	6.627	6.6114	-0.0156
8	5e+12	NDD Unbiased	6.5989	6.5849	-0.014
9	1e+13	NDD Unbiased	6.5849	6.6114	0.0265
10	1e+13	NDD Unbiased	6.6583	6.6692	0.0109
11	1e+13	NDD Unbiased	6.6864	6.6739	-0.0125
12	1e+13	NDD Unbiased	6.6567	6.6504	-0.0063
53	0	Correlation	6.6676	6.514	-0.1536
54	0	Correlation	6.6911	6.5187	-0.1724

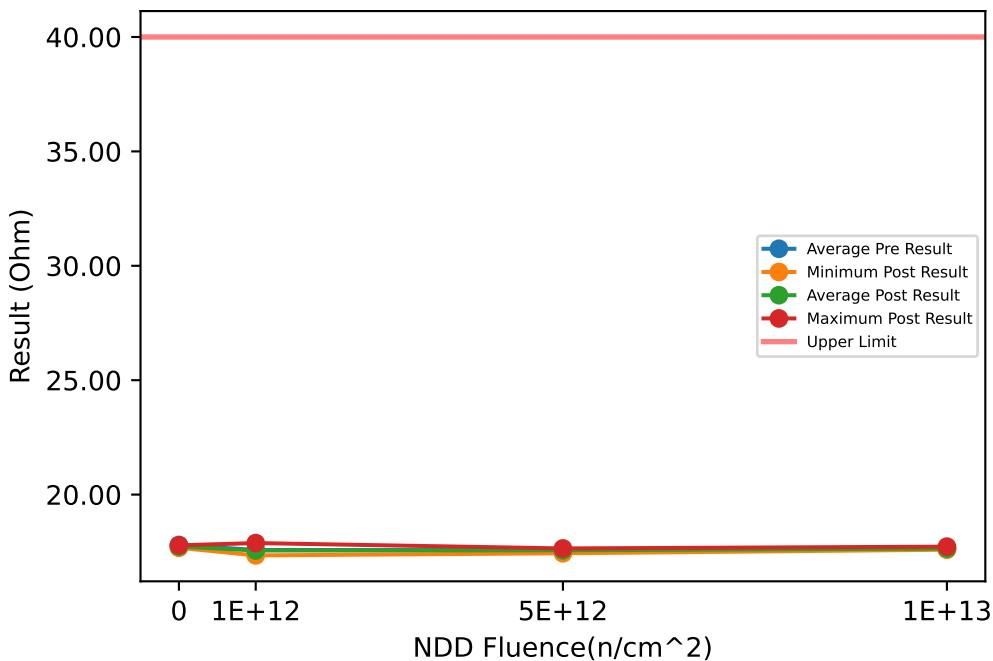
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.6676	6.6793	6.6911	0.016617	6.514	6.5164	6.5187	0.0033234	-0.1724	-0.163	-0.1536	0.013294
1e+12	6.6052	6.6481	6.6926	0.043874	6.5646	6.6126	6.6848	0.051596	-0.0875	-0.035525	-0.0062	0.038104
5e+12	6.5989	6.6489	6.6879	0.043114	6.5849	6.6263	6.6614	0.034684	-0.0406	-0.022625	-0.014	0.012278
1e+13	6.5849	6.6466	6.6864	0.04332	6.6114	6.6512	6.6739	0.028425	-0.0125	0.00465	0.0265	0.017612

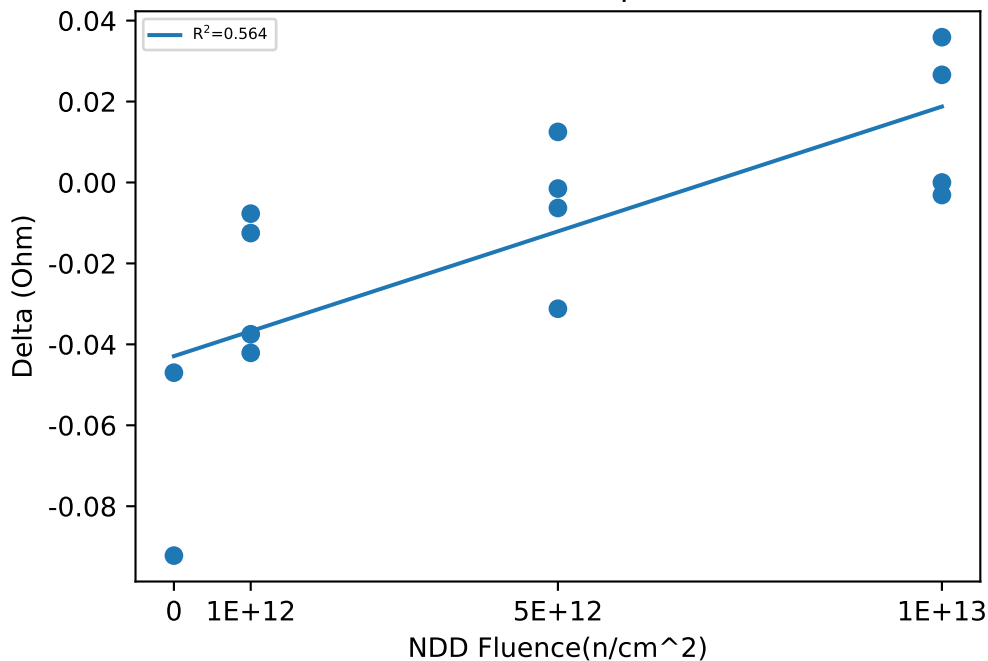
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.38	17.342	-0.0375
2	1e+12	NDD Unbiased	17.422	17.38	-0.0421
3	1e+12	NDD Unbiased	17.894	17.881	-0.0125
4	1e+12	NDD Unbiased	17.623	17.616	-0.0077
5	5e+12	NDD Unbiased	17.609	17.622	0.0125
6	5e+12	NDD Unbiased	17.563	17.556	-0.0063
7	5e+12	NDD Unbiased	17.466	17.434	-0.0312
8	5e+12	NDD Unbiased	17.648	17.647	-0.0015
9	1e+13	NDD Unbiased	17.617	17.617	0
10	1e+13	NDD Unbiased	17.728	17.725	-0.0031
11	1e+13	NDD Unbiased	17.564	17.591	0.0266
12	1e+13	NDD Unbiased	17.589	17.625	0.0359
53	0	Correlation	17.769	17.677	-0.0922
54	0	Correlation	17.83	17.783	-0.047

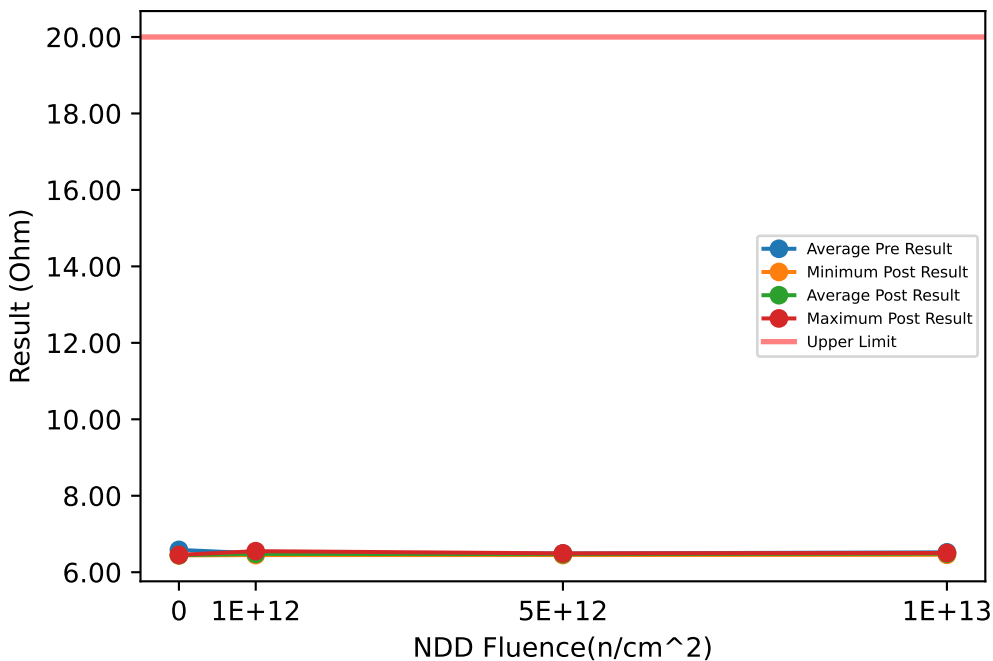
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.769	17.799	17.83	0.043063	17.677	17.73	17.783	0.075024	-0.0922	-0.0696	-0.047	0.031961
1e+12	17.38	17.58	17.894	0.23469	17.342	17.555	17.881	0.24892	-0.0421	-0.02495	-0.0077	0.017361
5e+12	17.466	17.572	17.648	0.078788	17.434	17.565	17.647	0.094958	-0.0312	-0.006625	0.0125	0.018221
1e+13	17.564	17.625	17.728	0.072313	17.591	17.639	17.725	0.058876	-0.0031	0.01485	0.0359	0.019355

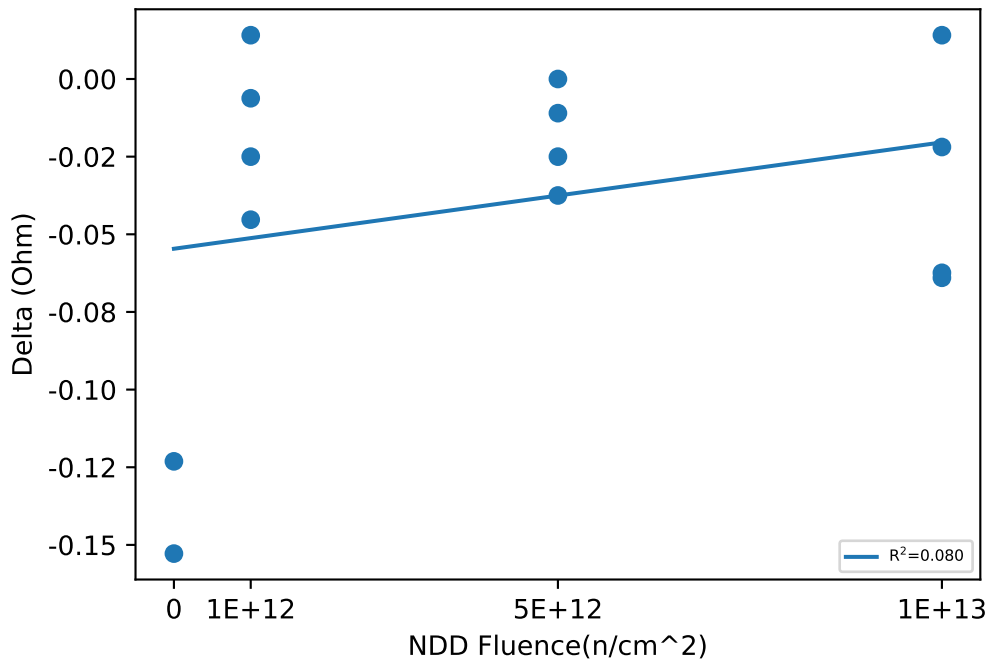
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.4413	6.4554	0.0141
2	1e+12	NDD Unbiased	6.4538	6.4476	-0.0062
3	1e+12	NDD Unbiased	6.5756	6.5506	-0.025
4	1e+12	NDD Unbiased	6.5085	6.4632	-0.0453
5	5e+12	NDD Unbiased	6.4741	6.4491	-0.025
6	5e+12	NDD Unbiased	6.521	6.4835	-0.0375
7	5e+12	NDD Unbiased	6.4632	6.4632	0
8	5e+12	NDD Unbiased	6.5038	6.4928	-0.011
9	1e+13	NDD Unbiased	6.5194	6.4554	-0.064
10	1e+13	NDD Unbiased	6.5194	6.4975	-0.0219
11	1e+13	NDD Unbiased	6.4741	6.4882	0.0141
12	1e+13	NDD Unbiased	6.5662	6.5038	-0.0624
53	0	Correlation	6.5631	6.44	-0.1231
54	0	Correlation	6.6053	6.4525	-0.1528

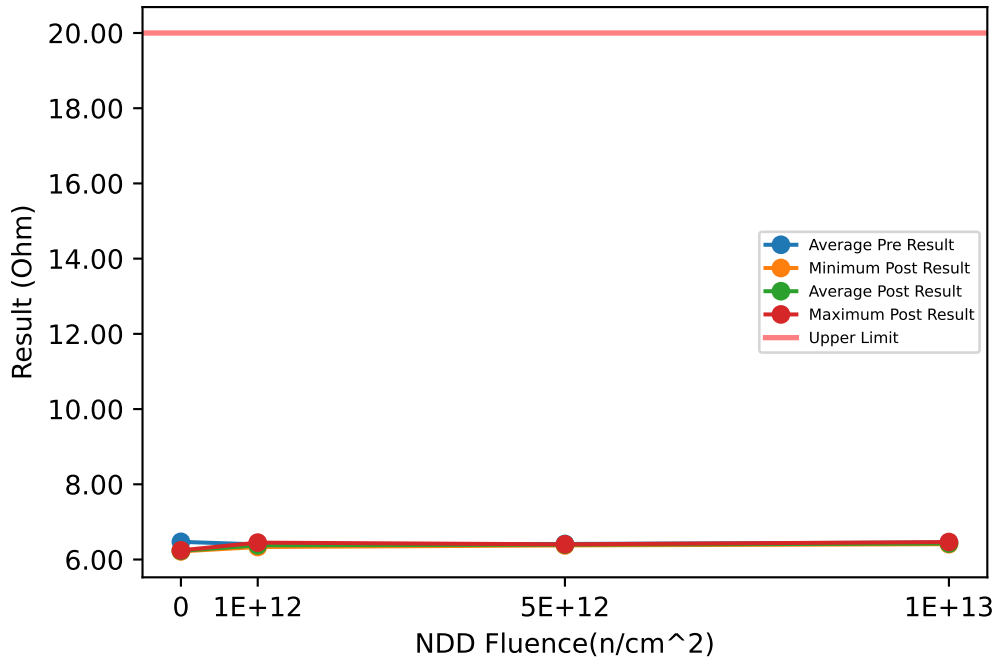
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.5631	6.5842	6.6053	0.02984	6.44	6.4463	6.4525	0.0088388	-0.1528	-0.13795	-0.1231	0.021001
1e+12	6.4413	6.4948	6.5756	0.061263	6.4476	6.4792	6.5506	0.048024	-0.0453	-0.0156	0.0141	0.025436
5e+12	6.4632	6.4905	6.521	0.026592	6.4491	6.4722	6.4928	0.01972	-0.0375	-0.018375	0	0.016347
1e+13	6.4741	6.5198	6.5662	0.037602	6.4554	6.4862	6.5038	0.021526	-0.064	-0.03355	0.0141	0.037264

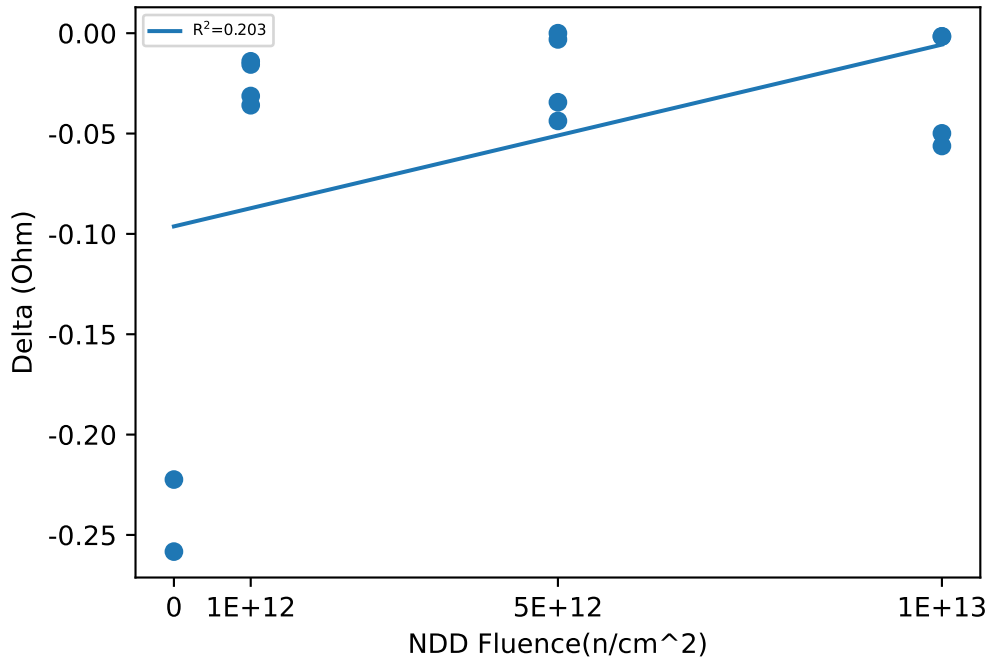
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.3476	6.332	-0.0156
2	1e+12	NDD Unbiased	6.3757	6.3617	-0.014
3	1e+12	NDD Unbiased	6.4804	6.4491	-0.0313
4	1e+12	NDD Unbiased	6.4038	6.3679	-0.0359
5	5e+12	NDD Unbiased	6.4023	6.3992	-0.0031
6	5e+12	NDD Unbiased	6.3976	6.3976	0
7	5e+12	NDD Unbiased	6.4179	6.3742	-0.0437
8	5e+12	NDD Unbiased	6.4382	6.4038	-0.0344
9	1e+13	NDD Unbiased	6.4148	6.4132	-0.0016
10	1e+13	NDD Unbiased	6.4725	6.4163	-0.0562
11	1e+13	NDD Unbiased	6.4569	6.407	-0.0499
12	1e+13	NDD Unbiased	6.4663	6.4647	-0.0016
53	0	Correlation	6.4382	6.2158	-0.2224
54	0	Correlation	6.5022	6.2439	-0.2583

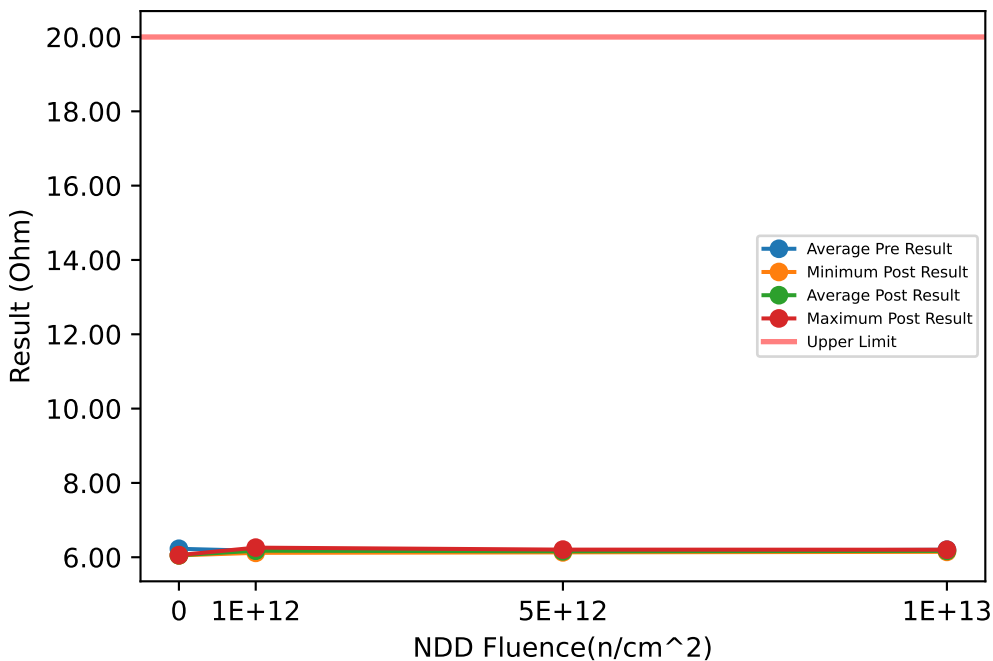
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.4382	6.4702	6.5022	0.045255	6.2158	6.2298	6.2439	0.01987	-0.2583	-0.24035	-0.2224	0.025385
1e+12	6.3476	6.4019	6.4804	0.057157	6.332	6.3777	6.4491	0.050128	-0.0359	-0.0242	-0.014	0.011035
5e+12	6.3976	6.414	6.4382	0.018318	6.3742	6.3937	6.4038	0.013263	-0.0437	-0.0203	0	0.022017
1e+13	6.4148	6.4526	6.4725	0.026019	6.407	6.4253	6.4647	0.02655	-0.0562	-0.027325	-0.0016	0.029816

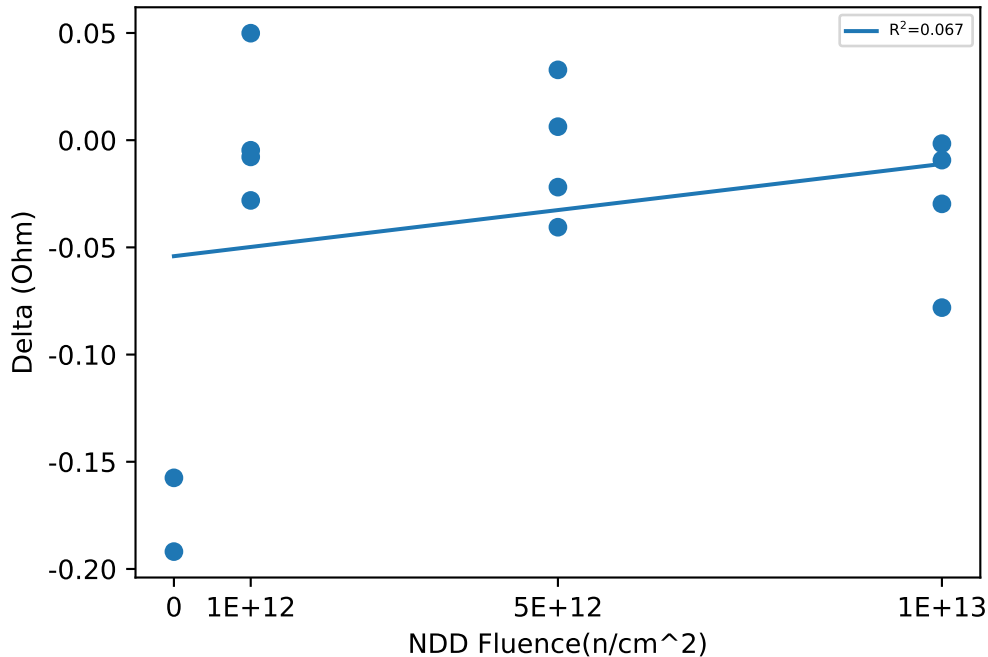
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ohm))

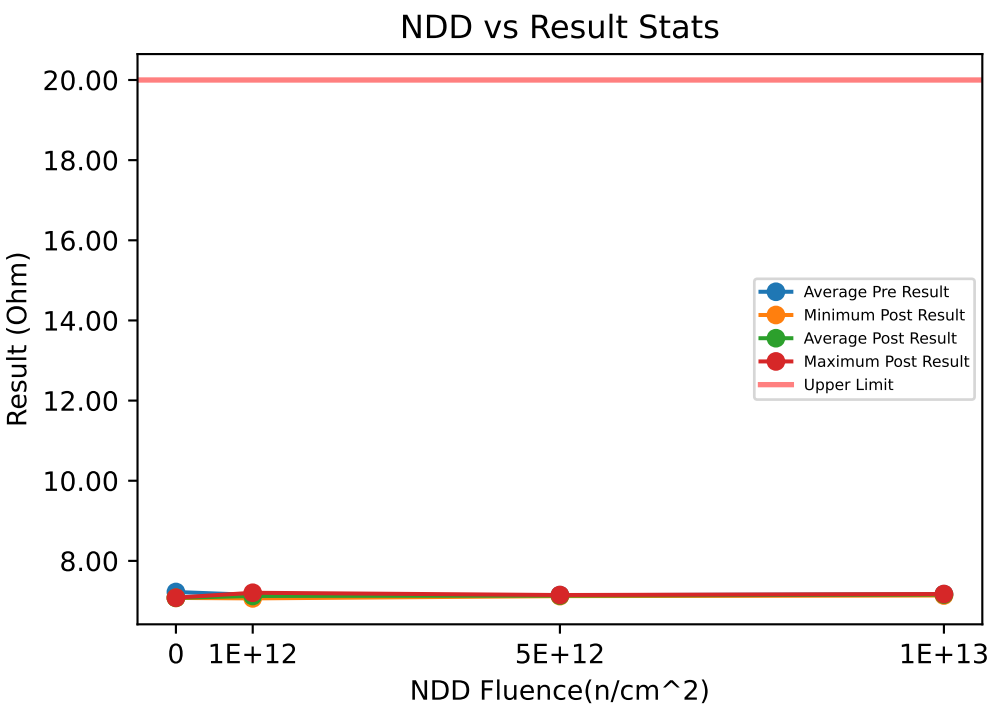
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	6.1259	6.1181	-0.0078
2	1e+12	NDD Unbiased	6.1493	6.1446	-0.0047
3	1e+12	NDD Unbiased	6.2087	6.2586	0.0499
4	1e+12	NDD Unbiased	6.2102	6.1821	-0.0281
5	5e+12	NDD Unbiased	6.1727	6.2055	0.0328
6	5e+12	NDD Unbiased	6.1759	6.154	-0.0219
7	5e+12	NDD Unbiased	6.1243	6.1306	0.0063
8	5e+12	NDD Unbiased	6.1884	6.1478	-0.0406
9	1e+13	NDD Unbiased	6.1743	6.1446	-0.0297
10	1e+13	NDD Unbiased	6.193	6.1837	-0.0093
11	1e+13	NDD Unbiased	6.2321	6.154	-0.0781
12	1e+13	NDD Unbiased	6.204	6.2024	-0.0016
53	0	Correlation	6.2071	6.0496	-0.1575
54	0	Correlation	6.2493	6.0574	-0.1919

NDD vs Post - Pre Exposure Delta



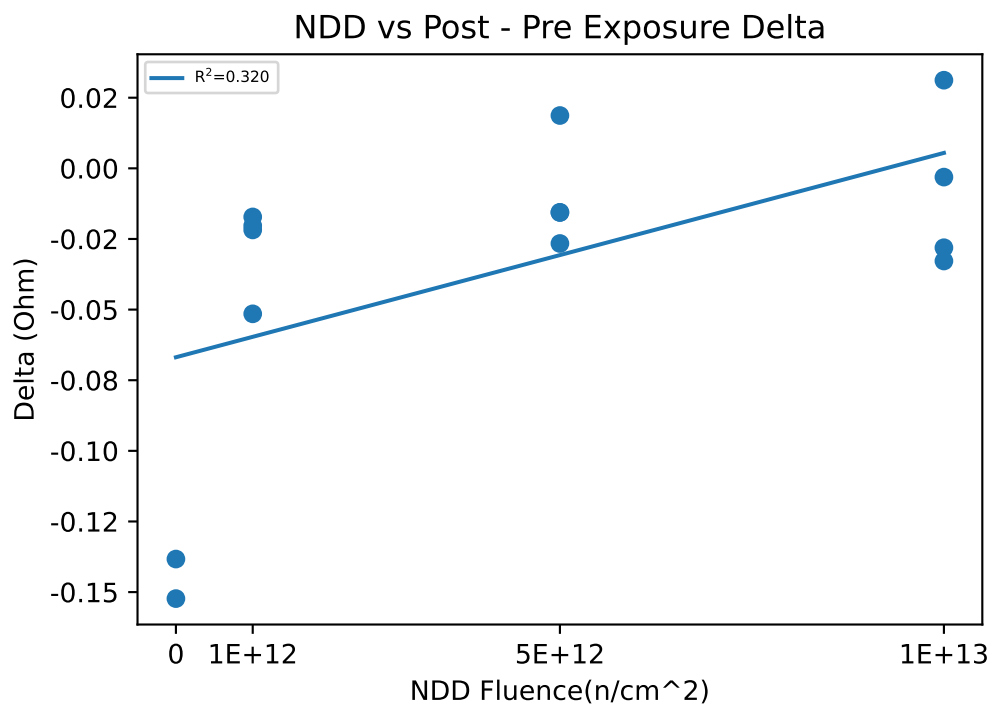
Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.2071	6.2282	6.2493	0.02984	6.0496	6.0535	6.0574	0.0055154	-0.1919	-0.1747	-0.1575	0.024324
1e+12	6.1259	6.1735	6.2102	0.042573	6.1181	6.1759	6.2586	0.061096	-0.0281	0.002325	0.0499	0.033371
5e+12	6.1243	6.1653	6.1884	0.028176	6.1306	6.1595	6.2055	0.03224	-0.0406	-0.00585	0.0328	0.03218
1e+13	6.1743	6.2008	6.2321	0.024173	6.1446	6.1712	6.2024	0.026665	-0.0781	-0.029675	-0.0016	0.034392



Test Results (Upper Limit = 20.0 (Ohm))

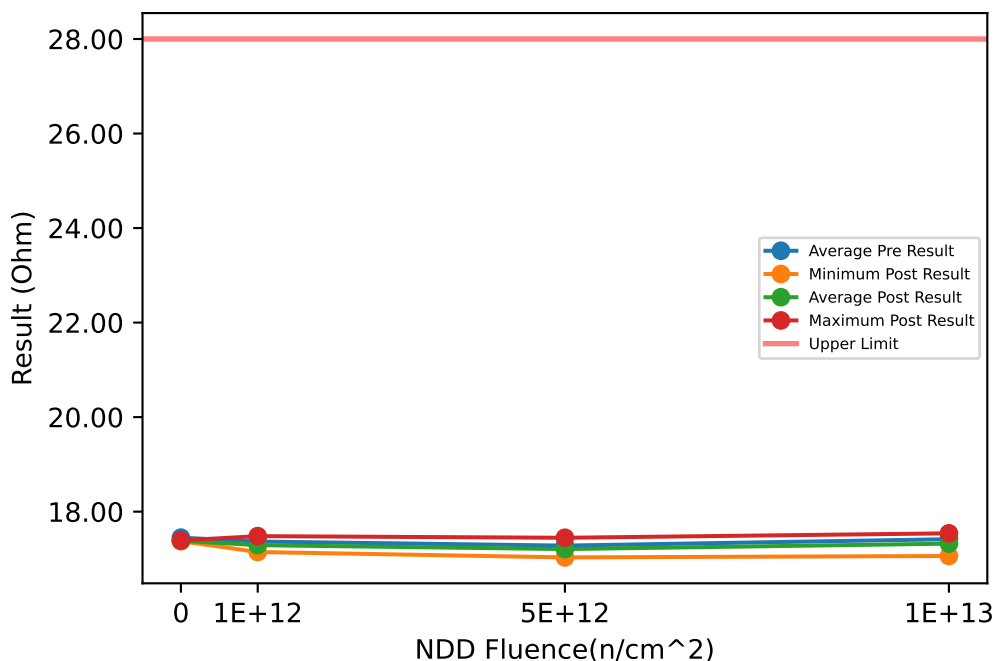
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	7.1108	7.0905	-0.0203
2	1e+12	NDD Unbiased	7.1155	7.064	-0.0515
3	1e+12	NDD Unbiased	7.2264	7.2046	-0.0218
4	1e+12	NDD Unbiased	7.1546	7.1374	-0.0172
5	5e+12	NDD Unbiased	7.1546	7.139	-0.0156
6	5e+12	NDD Unbiased	7.1468	7.1202	-0.0266
7	5e+12	NDD Unbiased	7.1296	7.1483	0.0187
8	5e+12	NDD Unbiased	7.1436	7.128	-0.0156
9	1e+13	NDD Unbiased	7.1639	7.1358	-0.0281
10	1e+13	NDD Unbiased	7.1764	7.1733	-0.0031
11	1e+13	NDD Unbiased	7.1936	7.1608	-0.0328
12	1e+13	NDD Unbiased	7.1374	7.1686	0.0312
53	0	Correlation	7.2139	7.0756	-0.1383
54	0	Correlation	7.2342	7.0819	-0.1523



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.2139	7.2241	7.2342	0.014354	7.0756	7.0787	7.0819	0.0044548	-0.1523	-0.1453	-0.1383	0.0098995
1e+12	7.1108	7.1518	7.2264	0.053453	7.064	7.1241	7.2046	0.061639	-0.0515	-0.0277	-0.0172	0.015982
5e+12	7.1296	7.1437	7.1546	0.010444	7.1202	7.1339	7.1483	0.012327	-0.0266	-0.009775	0.0187	0.019679
1e+13	7.1374	7.1678	7.1936	0.023657	7.1358	7.1596	7.1733	0.016699	-0.0328	-0.0082	0.0312	0.029323

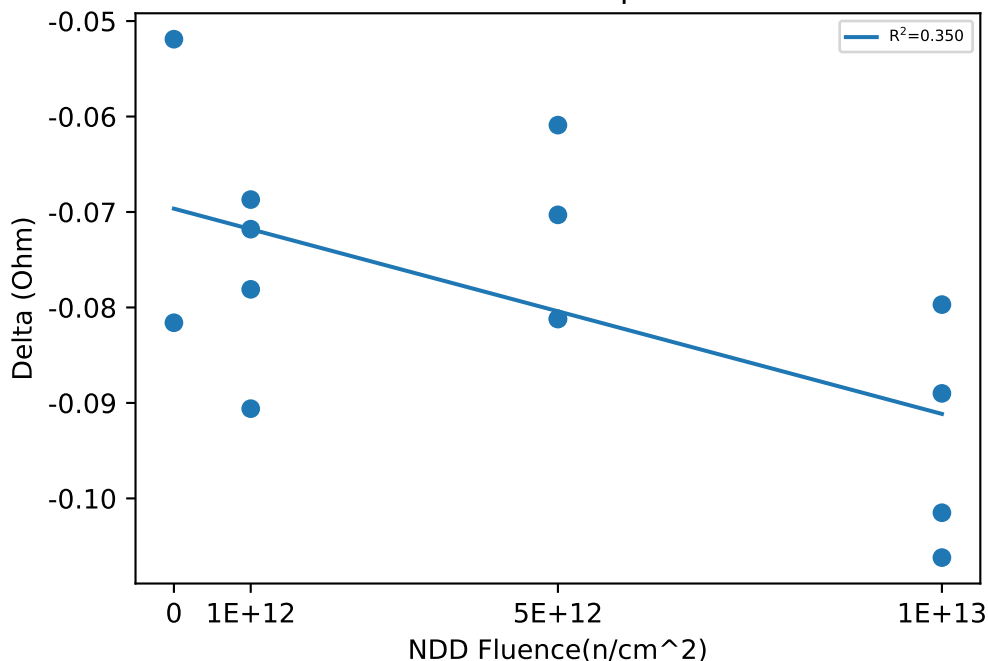
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.218	17.146	-0.0718
2	1e+12	NDD Unbiased	17.271	17.18	-0.0906
3	1e+12	NDD Unbiased	17.56	17.482	-0.0781
4	1e+12	NDD Unbiased	17.422	17.354	-0.0687
5	5e+12	NDD Unbiased	17.528	17.447	-0.0812
6	5e+12	NDD Unbiased	17.277	17.216	-0.0609
7	5e+12	NDD Unbiased	17.113	17.032	-0.0812
8	5e+12	NDD Unbiased	17.207	17.137	-0.0703
9	1e+13	NDD Unbiased	17.151	17.062	-0.089
10	1e+13	NDD Unbiased	17.277	17.176	-0.1015
11	1e+13	NDD Unbiased	17.619	17.513	-0.1062
12	1e+13	NDD Unbiased	17.621	17.541	-0.0797
53	0	Correlation	17.472	17.391	-0.0816
54	0	Correlation	17.427	17.375	-0.0519

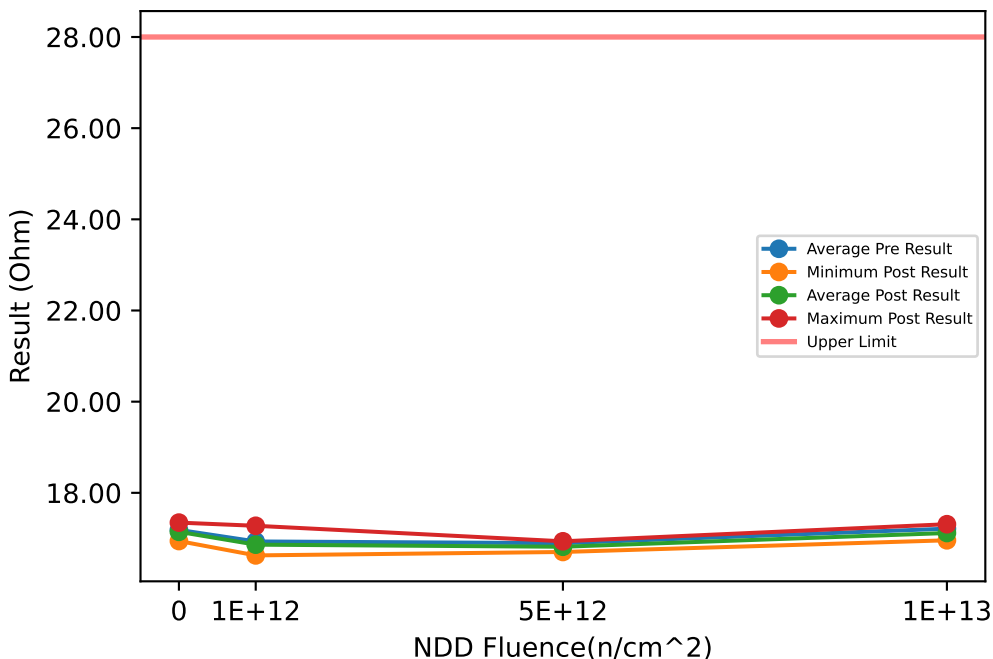
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.427	17.45	17.472	0.032032	17.375	17.383	17.391	0.011031	-0.0816	-0.06675	-0.0519	0.021001
1e+12	17.218	17.368	17.56	0.15463	17.146	17.29	17.482	0.15661	-0.0906	-0.0773	-0.0687	0.0096909
5e+12	17.113	17.281	17.528	0.17787	17.032	17.208	17.447	0.17645	-0.0812	-0.0734	-0.0609	0.0097901
1e+13	17.151	17.417	17.621	0.24	17.062	17.323	17.541	0.24053	-0.1062	-0.0941	-0.0797	0.012035

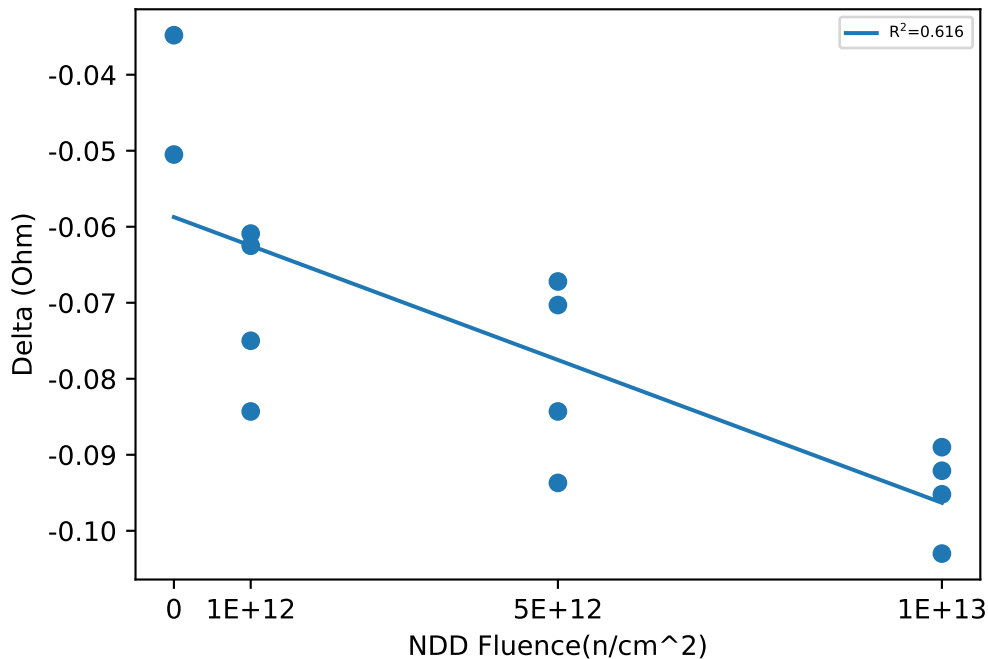
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.702	16.627	-0.075
2	1e+12	NDD Unbiased	16.82	16.735	-0.0843
3	1e+12	NDD Unbiased	17.338	17.277	-0.0609
4	1e+12	NDD Unbiased	16.874	16.812	-0.0625
5	5e+12	NDD Unbiased	16.957	16.873	-0.0843
6	5e+12	NDD Unbiased	16.827	16.757	-0.0703
7	5e+12	NDD Unbiased	16.796	16.702	-0.0937
8	5e+12	NDD Unbiased	17.004	16.937	-0.0672
9	1e+13	NDD Unbiased	17.066	16.971	-0.0952
10	1e+13	NDD Unbiased	17.047	16.959	-0.089
11	1e+13	NDD Unbiased	17.336	17.233	-0.103
12	1e+13	NDD Unbiased	17.404	17.311	-0.0921
53	0	Correlation	16.977	16.942	-0.0348
54	0	Correlation	17.397	17.347	-0.0505

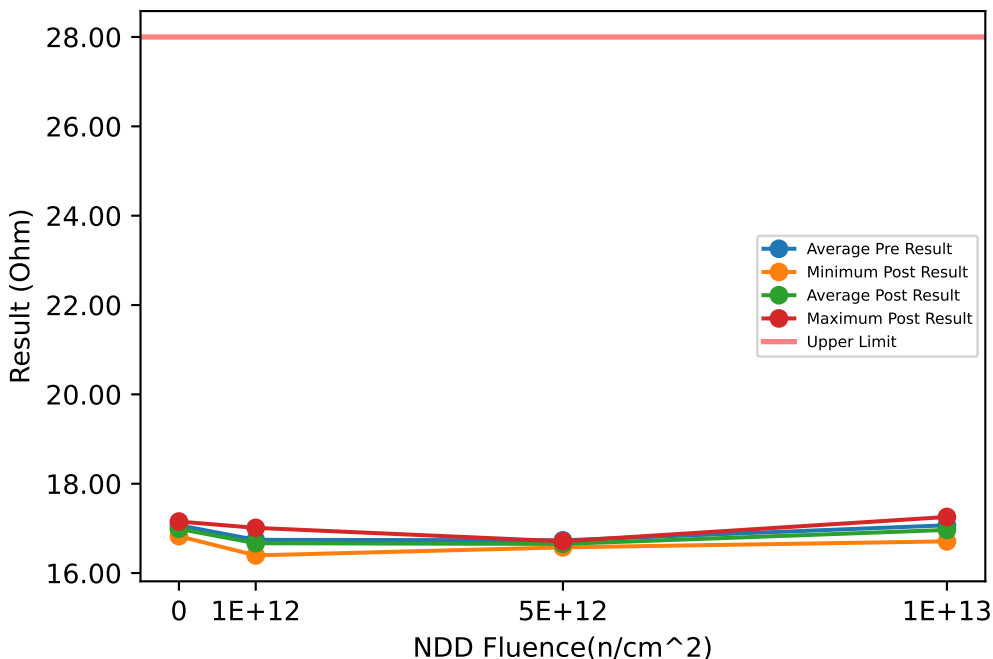
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.977	17.187	17.397	0.29698	16.942	17.145	17.347	0.28588	-0.0505	-0.04265	-0.0348	0.011102
1e+12	16.702	16.934	17.338	0.27896	16.627	16.863	17.277	0.28628	-0.0843	-0.070675	-0.0609	0.011056
5e+12	16.796	16.896	17.004	0.10005	16.702	16.817	16.937	0.10666	-0.0937	-0.078875	-0.0672	0.01237
1e+13	17.047	17.213	17.404	0.18297	16.959	17.119	17.311	0.1805	-0.103	-0.094825	-0.089	0.0060091

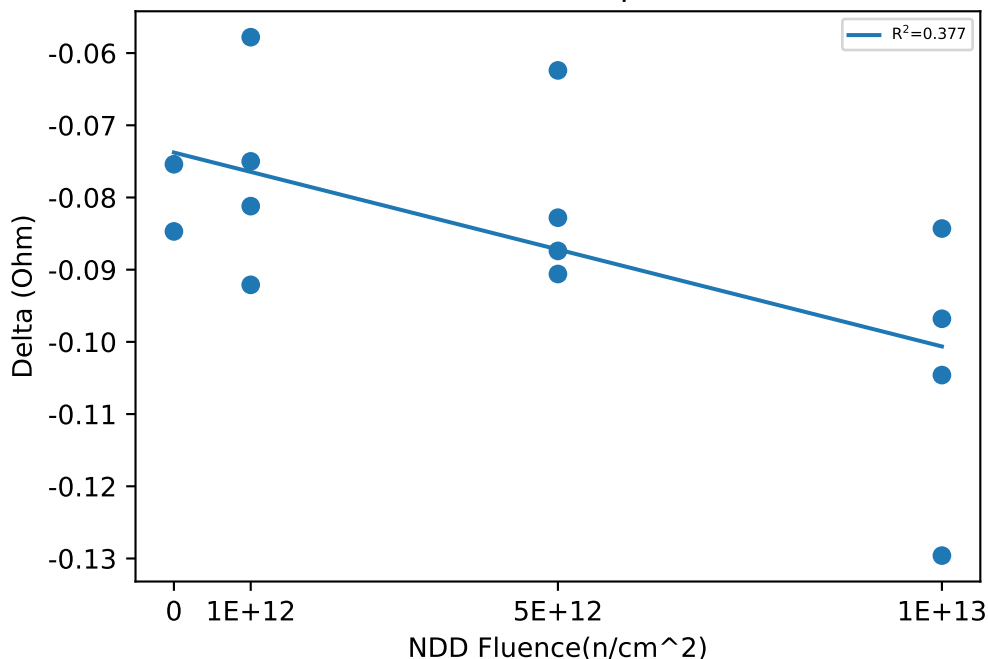
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.488	16.395	-0.0921
2	1e+12	NDD Unbiased	16.653	16.595	-0.0578
3	1e+12	NDD Unbiased	17.093	17.012	-0.0812
4	1e+12	NDD Unbiased	16.742	16.667	-0.075
5	5e+12	NDD Unbiased	16.786	16.703	-0.0828
6	5e+12	NDD Unbiased	16.666	16.575	-0.0906
7	5e+12	NDD Unbiased	16.683	16.62	-0.0624
8	5e+12	NDD Unbiased	16.798	16.711	-0.0874
9	1e+13	NDD Unbiased	16.864	16.759	-0.1046
10	1e+13	NDD Unbiased	16.839	16.709	-0.1296
11	1e+13	NDD Unbiased	17.223	17.139	-0.0843
12	1e+13	NDD Unbiased	17.353	17.256	-0.0968
53	0	Correlation	16.911	16.826	-0.0847
54	0	Correlation	17.229	17.154	-0.0754

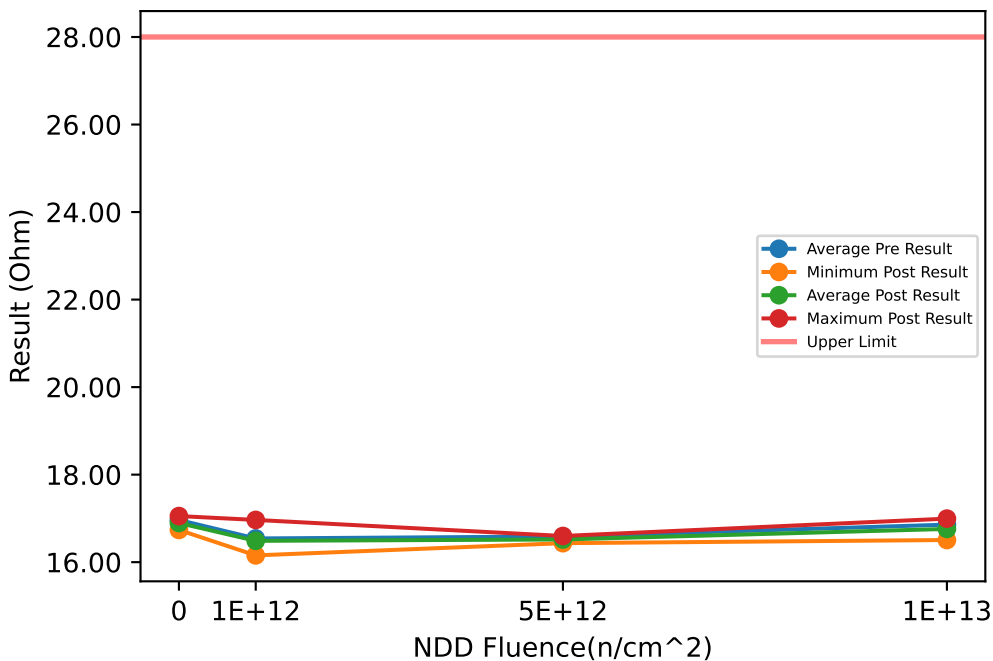
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.911	17.07	17.229	0.22521	16.826	16.99	17.154	0.23179	-0.0847	-0.08005	-0.0754	0.0065761
1e+12	16.488	16.744	17.093	0.25566	16.395	16.668	17.012	0.25691	-0.0921	-0.076525	-0.0578	0.014346
5e+12	16.666	16.733	16.798	0.068617	16.575	16.652	16.711	0.065838	-0.0906	-0.0808	-0.0624	0.012678
1e+13	16.839	17.07	17.353	0.25765	16.709	16.966	17.256	0.27229	-0.1296	-0.10382	-0.0843	0.01911

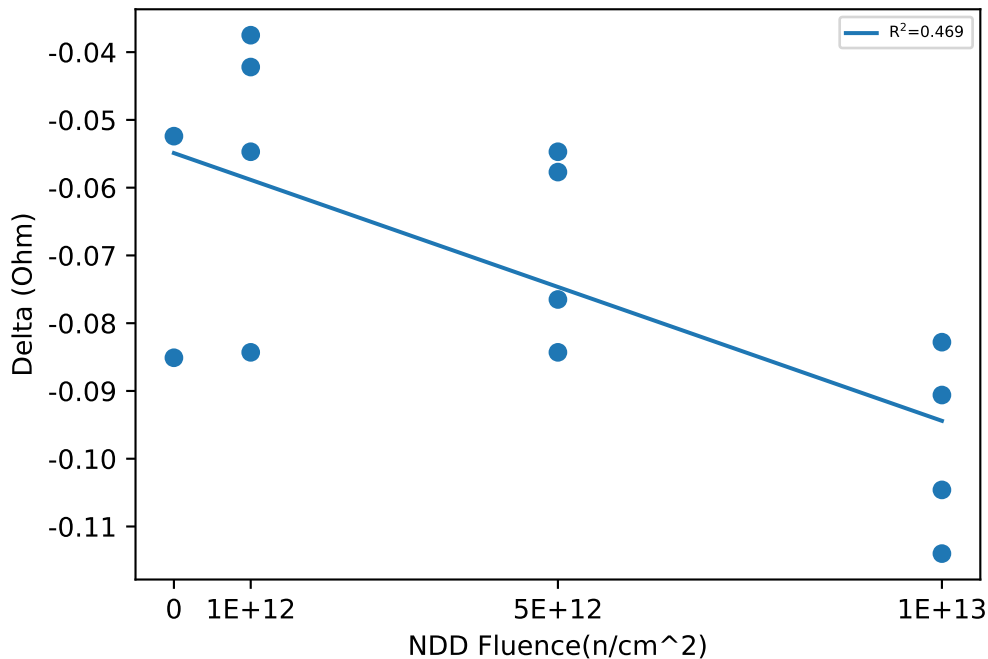
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

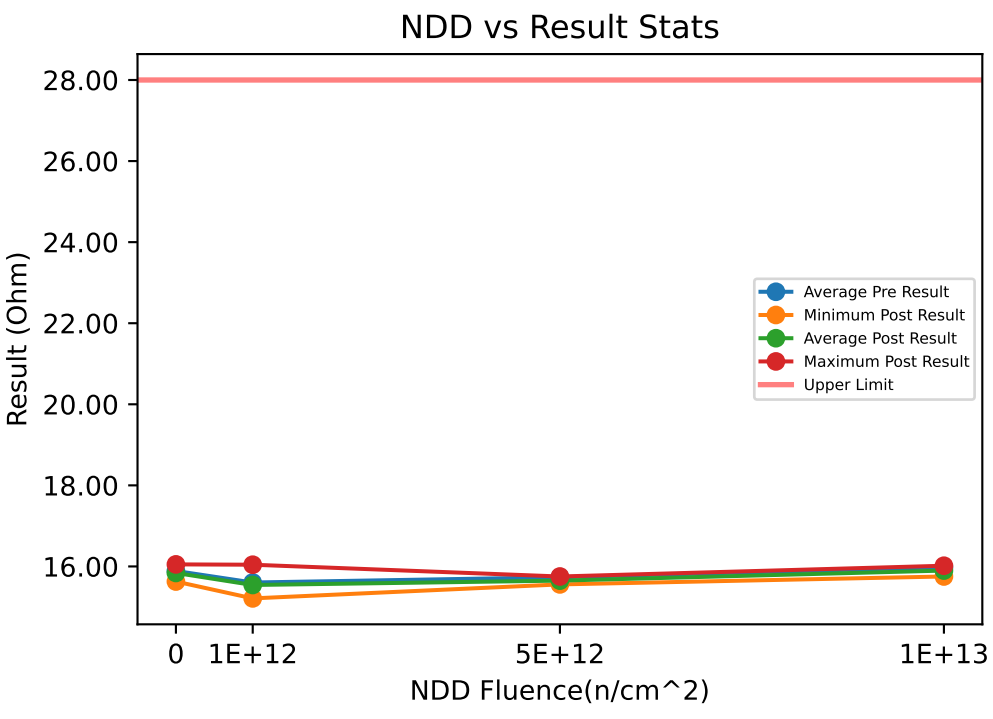
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.209	16.155	-0.0547
2	1e+12	NDD Unbiased	16.4	16.362	-0.0375
3	1e+12	NDD Unbiased	17.049	16.965	-0.0843
4	1e+12	NDD Unbiased	16.509	16.467	-0.0422
5	5e+12	NDD Unbiased	16.579	16.503	-0.0765
6	5e+12	NDD Unbiased	16.492	16.434	-0.0577
7	5e+12	NDD Unbiased	16.623	16.539	-0.0843
8	5e+12	NDD Unbiased	16.653	16.598	-0.0547
9	1e+13	NDD Unbiased	16.654	16.55	-0.1046
10	1e+13	NDD Unbiased	16.62	16.506	-0.114
11	1e+13	NDD Unbiased	17.07	16.987	-0.0828
12	1e+13	NDD Unbiased	17.085	16.995	-0.0906
53	0	Correlation	16.822	16.736	-0.0851
54	0	Correlation	17.106	17.053	-0.0524

NDD vs Post - Pre Exposure Delta



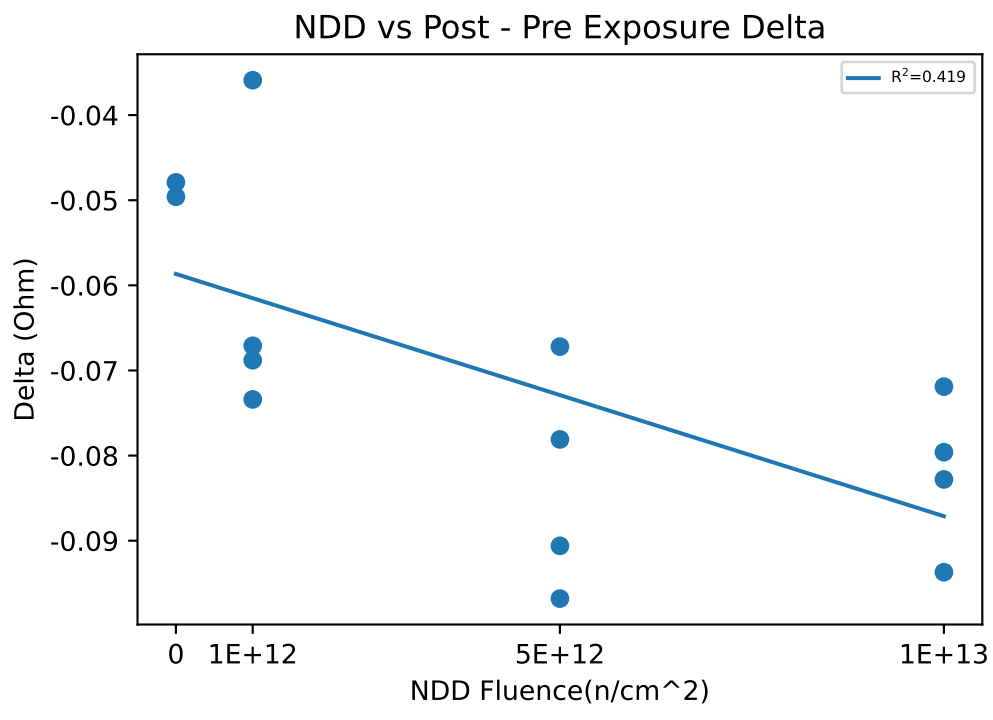
Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.822	16.964	17.106	0.20096	16.736	16.895	17.053	0.22408	-0.0851	-0.06875	-0.0524	0.023122
1e+12	16.209	16.542	17.049	0.3603	16.155	16.487	16.965	0.34401	-0.0843	-0.054675	-0.0375	0.021042
5e+12	16.492	16.587	16.653	0.070082	16.434	16.519	16.598	0.068552	-0.0843	-0.0683	-0.0547	0.014382
1e+13	16.62	16.857	17.085	0.2547	16.506	16.759	16.995	0.2679	-0.114	-0.098	-0.0828	0.013969



Test Results (Upper Limit = 28.0 (Ohm))

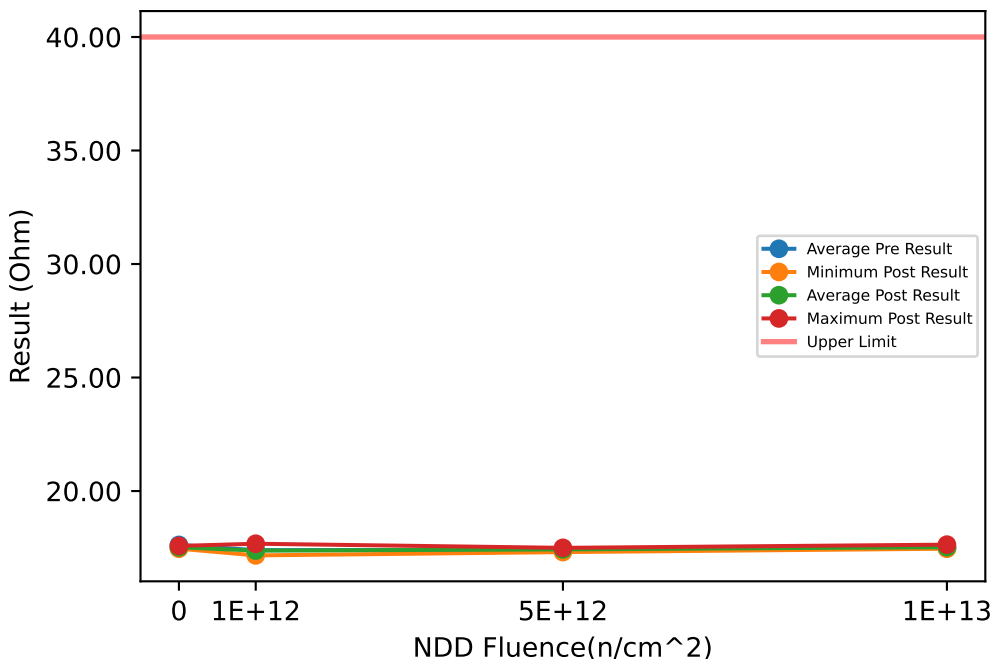
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.28	15.212	-0.0688
2	1e+12	NDD Unbiased	15.382	15.309	-0.0734
3	1e+12	NDD Unbiased	16.078	16.043	-0.0359
4	1e+12	NDD Unbiased	15.674	15.607	-0.0671
5	5e+12	NDD Unbiased	15.648	15.557	-0.0906
6	5e+12	NDD Unbiased	15.635	15.557	-0.0781
7	5e+12	NDD Unbiased	15.819	15.752	-0.0672
8	5e+12	NDD Unbiased	15.83	15.733	-0.0968
9	1e+13	NDD Unbiased	15.835	15.752	-0.0828
10	1e+13	NDD Unbiased	15.98	15.9	-0.0796
11	1e+13	NDD Unbiased	16.016	15.922	-0.0937
12	1e+13	NDD Unbiased	16.09	16.018	-0.0719
53	0	Correlation	15.676	15.628	-0.0479
54	0	Correlation	16.1	16.051	-0.0496



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.676	15.888	16.1	0.30038	15.628	15.839	16.051	0.29918	-0.0496	-0.04875	-0.0479	0.0012021
1e+12	15.28	15.604	16.078	0.35776	15.212	15.542	16.043	0.37345	-0.0734	-0.0613	-0.0359	0.017141
5e+12	15.635	15.733	15.83	0.10616	15.557	15.65	15.752	0.10757	-0.0968	-0.083175	-0.0672	0.013187
1e+13	15.835	15.98	16.09	0.107	15.752	15.898	16.018	0.10984	-0.0937	-0.082	-0.0719	0.0090425

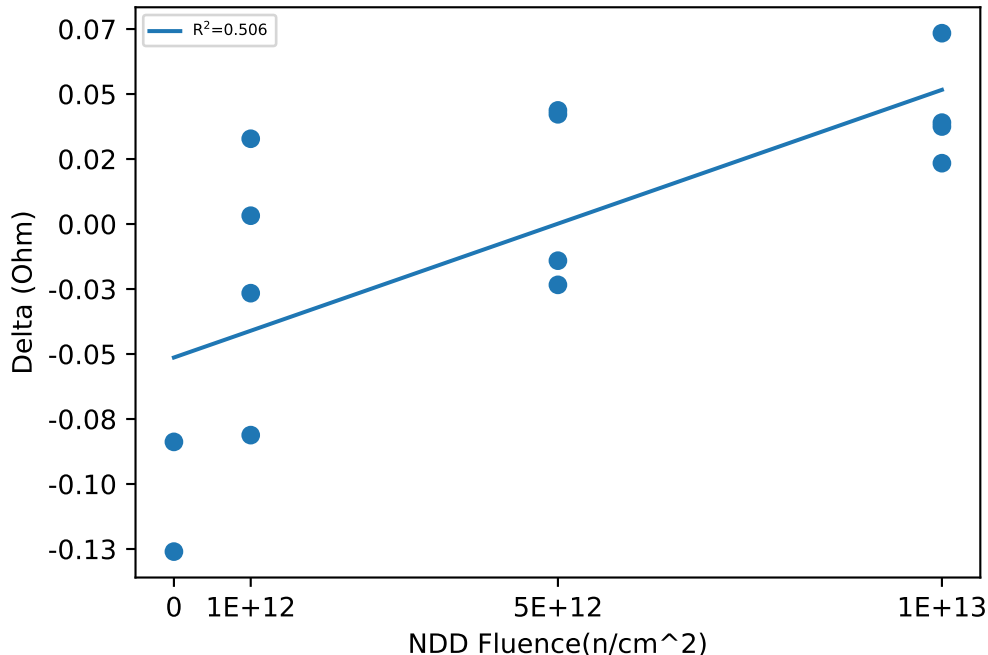
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.192	17.165	-0.0266
2	1e+12	NDD Unbiased	17.264	17.182	-0.0812
3	1e+12	NDD Unbiased	17.676	17.679	0.0032
4	1e+12	NDD Unbiased	17.446	17.479	0.0328
5	5e+12	NDD Unbiased	17.456	17.498	0.0422
6	5e+12	NDD Unbiased	17.434	17.42	-0.0141
7	5e+12	NDD Unbiased	17.267	17.31	0.0437
8	5e+12	NDD Unbiased	17.509	17.485	-0.0234
9	1e+13	NDD Unbiased	17.442	17.48	0.039
10	1e+13	NDD Unbiased	17.565	17.638	0.0734
11	1e+13	NDD Unbiased	17.437	17.46	0.0234
12	1e+13	NDD Unbiased	17.496	17.534	0.0375
53	0	Correlation	17.587	17.461	-0.126
54	0	Correlation	17.666	17.582	-0.0838

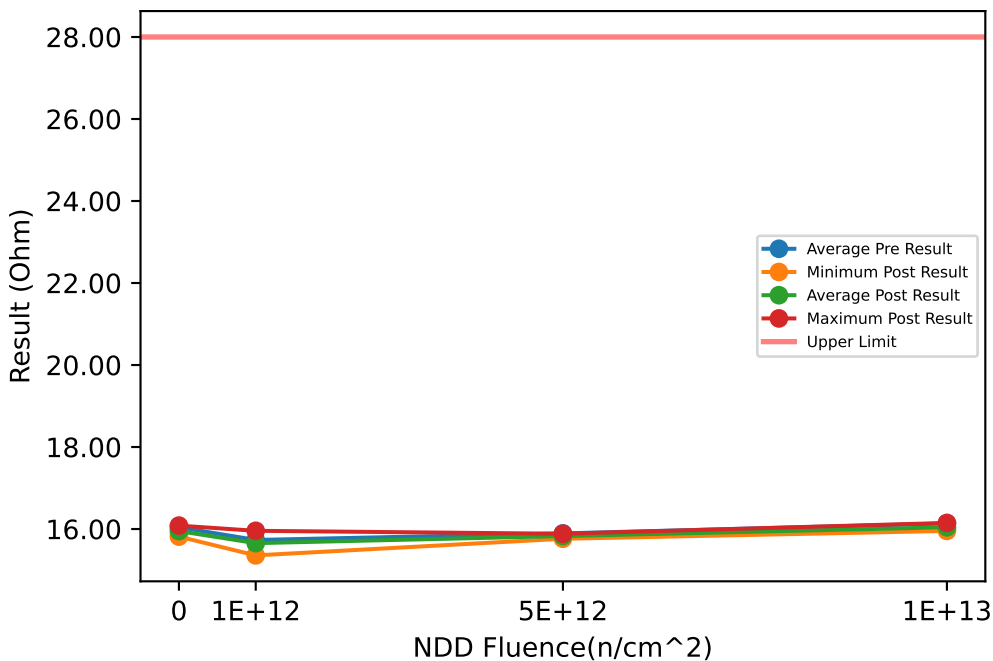
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.587	17.627	17.666	0.056286	17.461	17.522	17.582	0.086126	-0.126	-0.1049	-0.0838	0.02984
1e+12	17.192	17.394	17.676	0.216	17.165	17.376	17.679	0.24784	-0.0812	-0.01795	0.0328	0.048642
5e+12	17.267	17.416	17.509	0.10451	17.31	17.428	17.498	0.085739	-0.0234	0.0121	0.0437	0.03583
1e+13	17.437	17.485	17.565	0.05974	17.46	17.528	17.638	0.079642	0.0234	0.043325	0.0734	0.021246

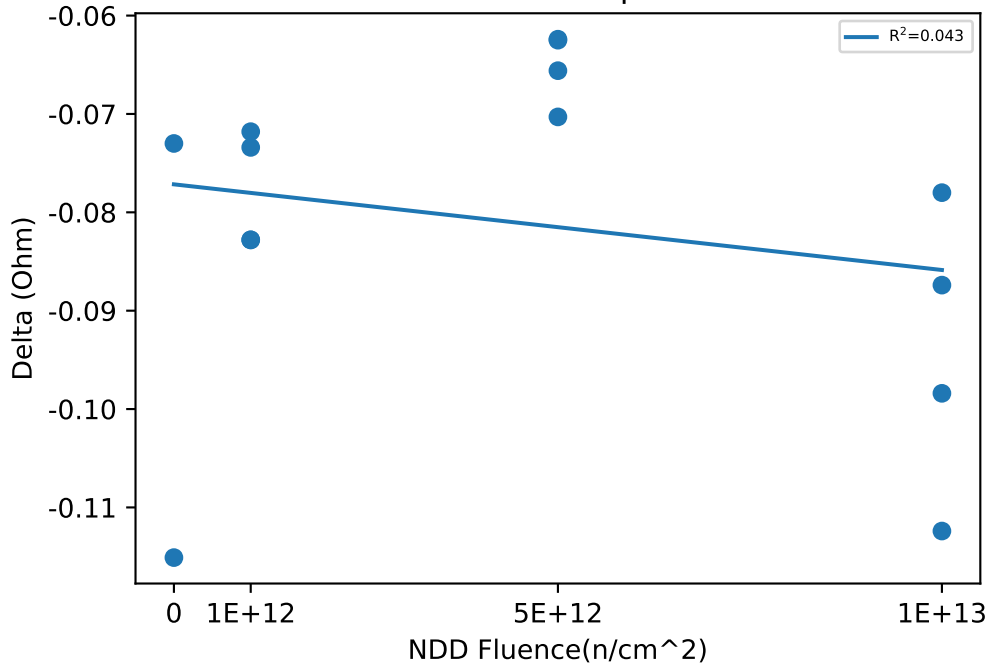
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.44	15.357	-0.0828
2	1e+12	NDD Unbiased	15.547	15.475	-0.0718
3	1e+12	NDD Unbiased	16.03	15.956	-0.0734
4	1e+12	NDD Unbiased	15.916	15.833	-0.0828
5	5e+12	NDD Unbiased	15.845	15.783	-0.0625
6	5e+12	NDD Unbiased	15.833	15.763	-0.0703
7	5e+12	NDD Unbiased	15.945	15.883	-0.0624
8	5e+12	NDD Unbiased	15.95	15.884	-0.0656
9	1e+13	NDD Unbiased	16.063	15.964	-0.0984
10	1e+13	NDD Unbiased	16.066	15.953	-0.1124
11	1e+13	NDD Unbiased	16.181	16.103	-0.078
12	1e+13	NDD Unbiased	16.236	16.148	-0.0874
53	0	Correlation	15.93	15.815	-0.1151
54	0	Correlation	16.156	16.083	-0.073

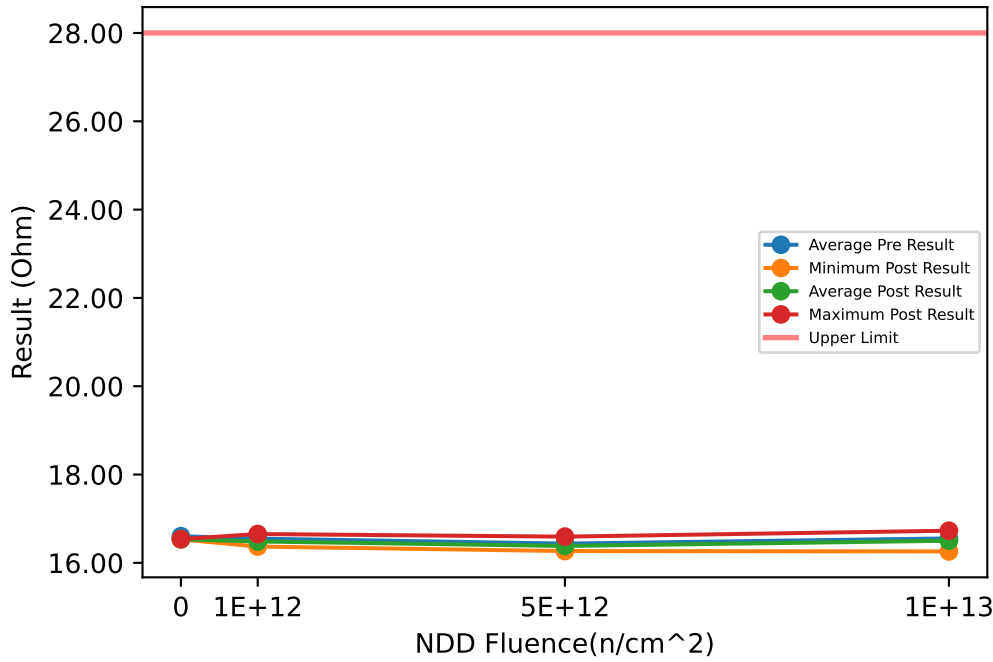
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.93	16.043	16.156	0.16016	15.815	15.949	16.083	0.18993	-0.1151	-0.09405	-0.073	0.029769
1e+12	15.44	15.733	16.03	0.28412	15.357	15.655	15.956	0.28505	-0.0828	-0.0777	-0.0718	0.0059251
5e+12	15.833	15.893	15.95	0.062879	15.763	15.828	15.884	0.064565	-0.0703	-0.0652	-0.0624	0.0037103
1e+13	16.063	16.136	16.236	0.086318	15.953	16.042	16.148	0.098333	-0.1124	-0.09405	-0.078	0.014804

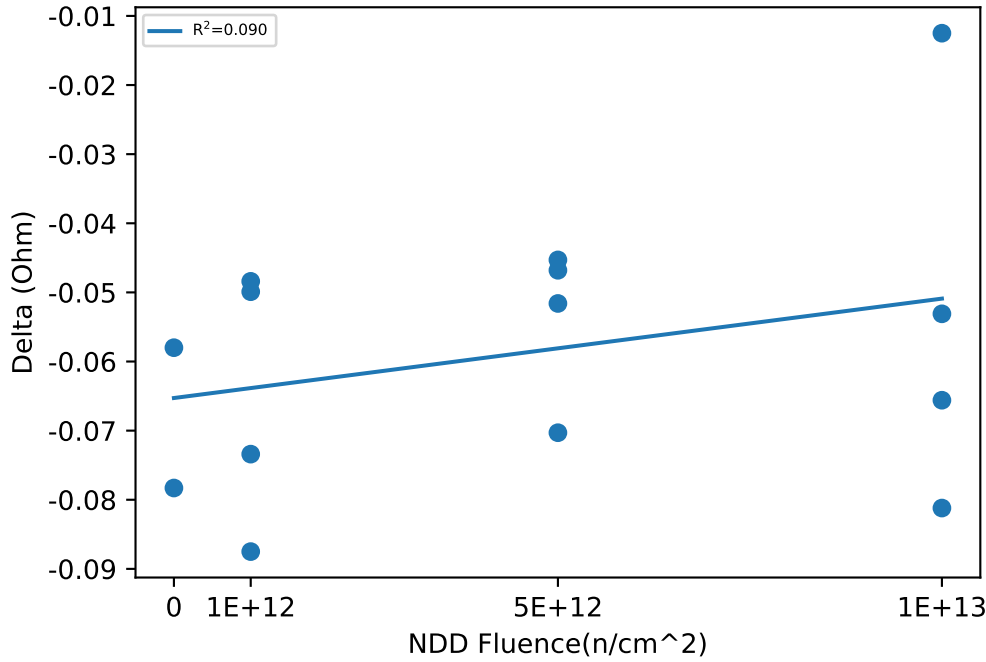
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.446	16.373	-0.0734
2	1e+12	NDD Unbiased	16.456	16.368	-0.0875
3	1e+12	NDD Unbiased	16.701	16.652	-0.0484
4	1e+12	NDD Unbiased	16.59	16.54	-0.0499
5	5e+12	NDD Unbiased	16.64	16.593	-0.0468
6	5e+12	NDD Unbiased	16.437	16.392	-0.0453
7	5e+12	NDD Unbiased	16.318	16.267	-0.0516
8	5e+12	NDD Unbiased	16.346	16.276	-0.0703
9	1e+13	NDD Unbiased	16.34	16.259	-0.0812
10	1e+13	NDD Unbiased	16.434	16.368	-0.0656
11	1e+13	NDD Unbiased	16.699	16.646	-0.0531
12	1e+13	NDD Unbiased	16.74	16.727	-0.0125
53	0	Correlation	16.617	16.538	-0.0783
54	0	Correlation	16.59	16.532	-0.058

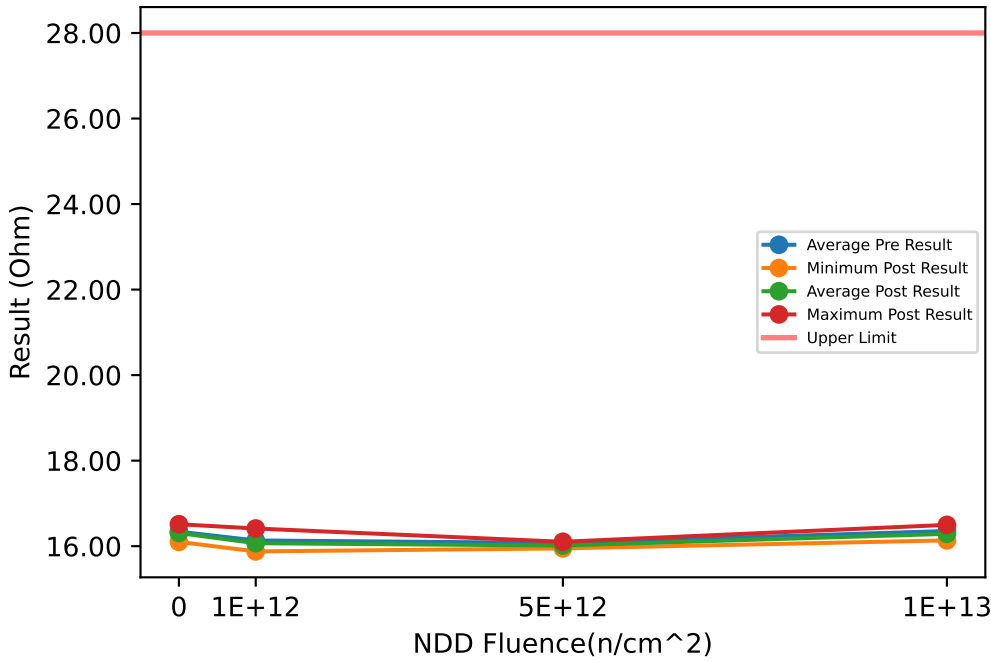
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.59	16.603	16.617	0.018809	16.532	16.535	16.538	0.0044548	-0.0783	-0.06815	-0.058	0.014354
1e+12	16.446	16.548	16.701	0.12106	16.368	16.483	16.652	0.13814	-0.0875	-0.0648	-0.0484	0.018976
5e+12	16.318	16.435	16.64	0.14544	16.267	16.382	16.593	0.15184	-0.0703	-0.0535	-0.0453	0.011518
1e+13	16.34	16.553	16.74	0.19647	16.259	16.5	16.727	0.22249	-0.0812	-0.0531	-0.0125	0.029406

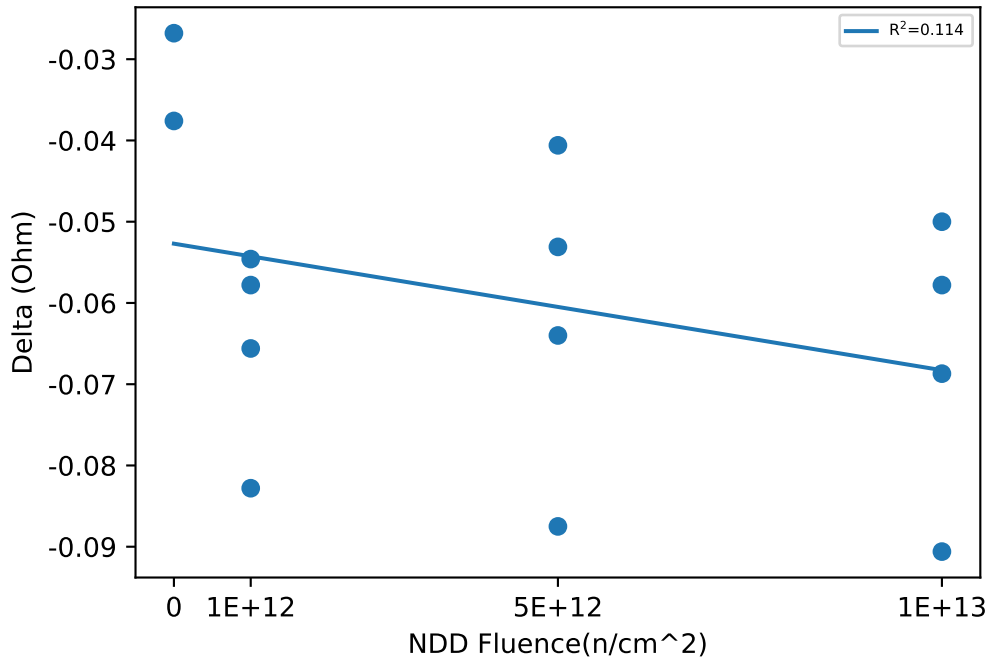
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.961	15.878	-0.0828
2	1e+12	NDD Unbiased	16.015	15.961	-0.0546
3	1e+12	NDD Unbiased	16.479	16.413	-0.0656
4	1e+12	NDD Unbiased	16.081	16.023	-0.0578
5	5e+12	NDD Unbiased	16.131	16.043	-0.0875
6	5e+12	NDD Unbiased	16.003	15.962	-0.0406
7	5e+12	NDD Unbiased	16.012	15.948	-0.064
8	5e+12	NDD Unbiased	16.156	16.103	-0.0531
9	1e+13	NDD Unbiased	16.248	16.157	-0.0906
10	1e+13	NDD Unbiased	16.204	16.136	-0.0687
11	1e+13	NDD Unbiased	16.412	16.362	-0.05
12	1e+13	NDD Unbiased	16.556	16.498	-0.0578
53	0	Correlation	16.139	16.101	-0.0376
54	0	Correlation	16.54	16.513	-0.0268

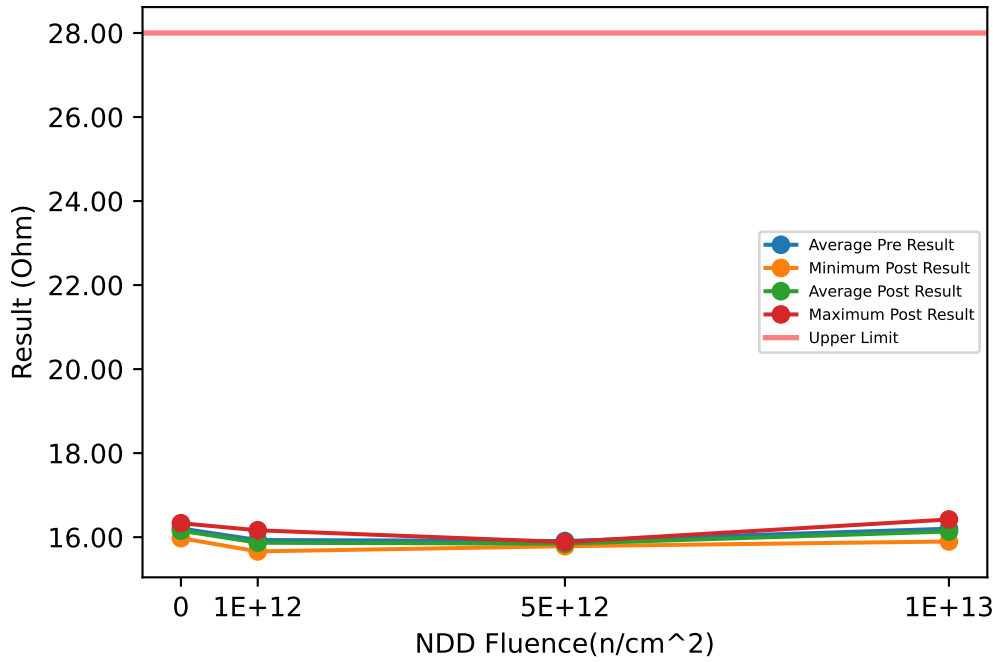
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.139	16.339	16.54	0.28376	16.101	16.307	16.513	0.2914	-0.0376	-0.0322	-0.0268	0.0076368
1e+12	15.961	16.134	16.479	0.23526	15.878	16.069	16.413	0.23737	-0.0828	-0.0652	-0.0546	0.01261
5e+12	16.003	16.075	16.156	0.079216	15.948	16.014	16.103	0.072486	-0.0875	-0.0613	-0.0406	0.019912
1e+13	16.204	16.355	16.556	0.16088	16.136	16.288	16.498	0.17299	-0.0906	-0.066775	-0.05	0.017638

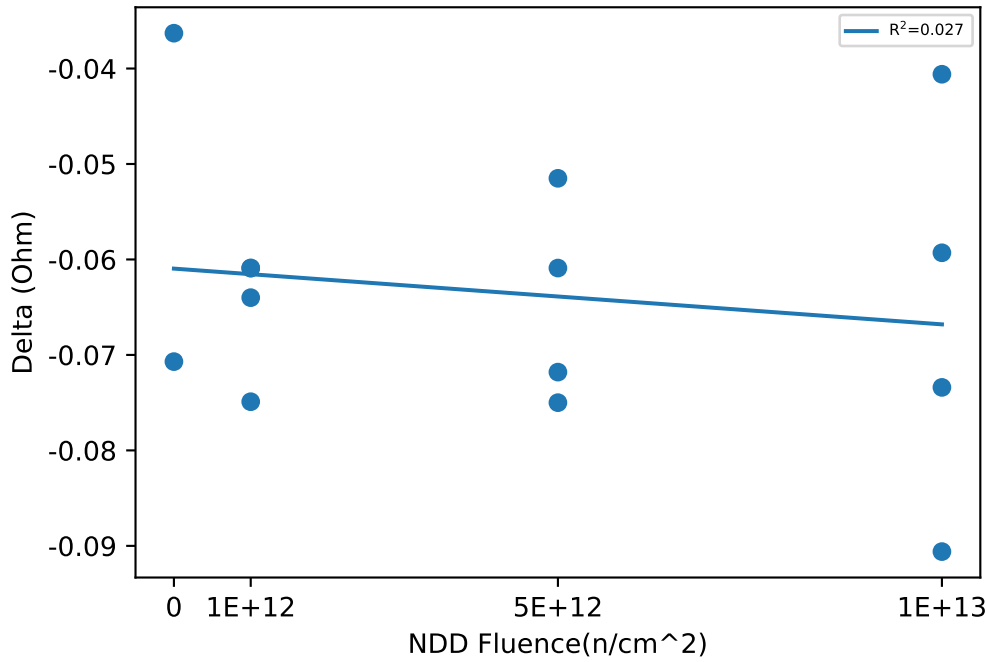
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.723	15.662	-0.0609
2	1e+12	NDD Unbiased	15.854	15.793	-0.0609
3	1e+12	NDD Unbiased	16.239	16.164	-0.0749
4	1e+12	NDD Unbiased	15.915	15.851	-0.064
5	5e+12	NDD Unbiased	15.943	15.868	-0.075
6	5e+12	NDD Unbiased	15.836	15.785	-0.0515
7	5e+12	NDD Unbiased	15.913	15.841	-0.0718
8	5e+12	NDD Unbiased	15.944	15.883	-0.0609
9	1e+13	NDD Unbiased	16.043	15.969	-0.0734
10	1e+13	NDD Unbiased	15.988	15.897	-0.0906
11	1e+13	NDD Unbiased	16.313	16.253	-0.0593
12	1e+13	NDD Unbiased	16.463	16.422	-0.0406
53	0	Correlation	16.047	15.977	-0.0707
54	0	Correlation	16.369	16.333	-0.0363

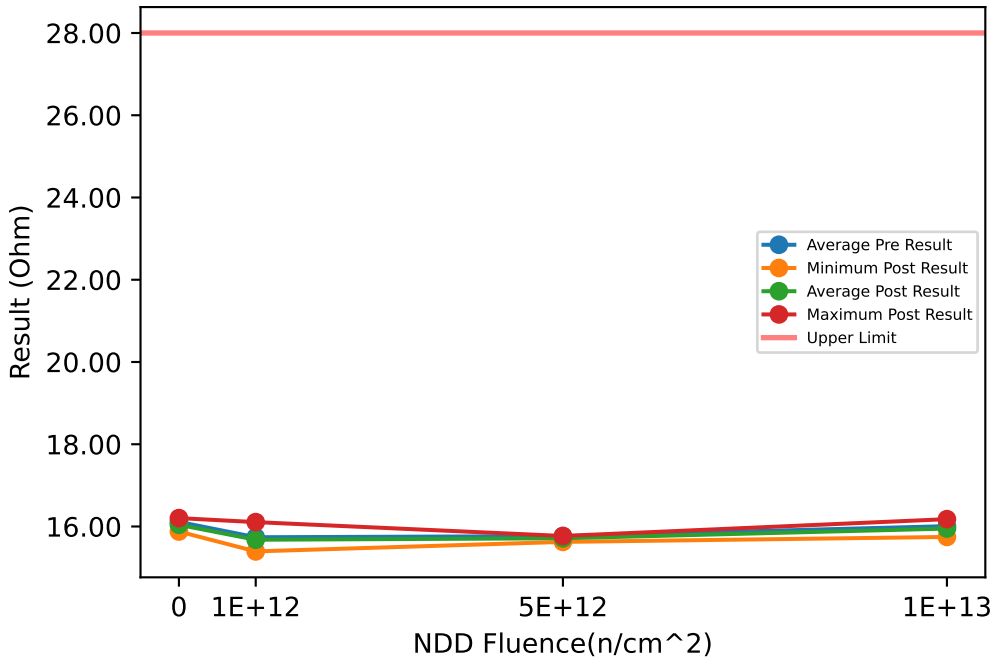
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.047	16.208	16.369	0.22741	15.977	16.155	16.333	0.25173	-0.0707	-0.0535	-0.0363	0.024324
1e+12	15.723	15.933	16.239	0.21966	15.662	15.867	16.164	0.21324	-0.0749	-0.065175	-0.0609	0.006646
5e+12	15.836	15.909	15.944	0.050487	15.785	15.844	15.883	0.043184	-0.075	-0.0648	-0.0515	0.010726
1e+13	15.988	16.201	16.463	0.22463	15.897	16.136	16.422	0.24517	-0.0906	-0.065975	-0.0406	0.021213

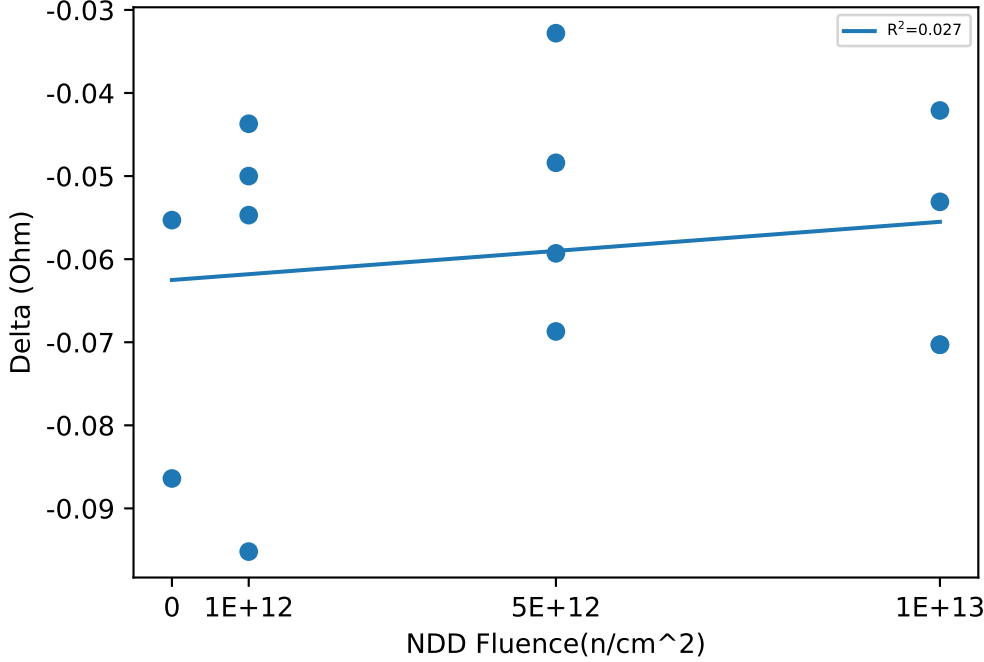
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.489	15.394	-0.0952
2	1e+12	NDD Unbiased	15.613	15.569	-0.0437
3	1e+12	NDD Unbiased	16.161	16.106	-0.0547
4	1e+12	NDD Unbiased	15.691	15.641	-0.05
5	5e+12	NDD Unbiased	15.75	15.691	-0.0593
6	5e+12	NDD Unbiased	15.658	15.625	-0.0328
7	5e+12	NDD Unbiased	15.838	15.769	-0.0687
8	5e+12	NDD Unbiased	15.816	15.768	-0.0484
9	1e+13	NDD Unbiased	15.849	15.778	-0.0703
10	1e+13	NDD Unbiased	15.799	15.746	-0.0531
11	1e+13	NDD Unbiased	16.164	16.094	-0.0703
12	1e+13	NDD Unbiased	16.22	16.178	-0.0421
53	0	Correlation	15.964	15.878	-0.0864
54	0	Correlation	16.259	16.204	-0.0553

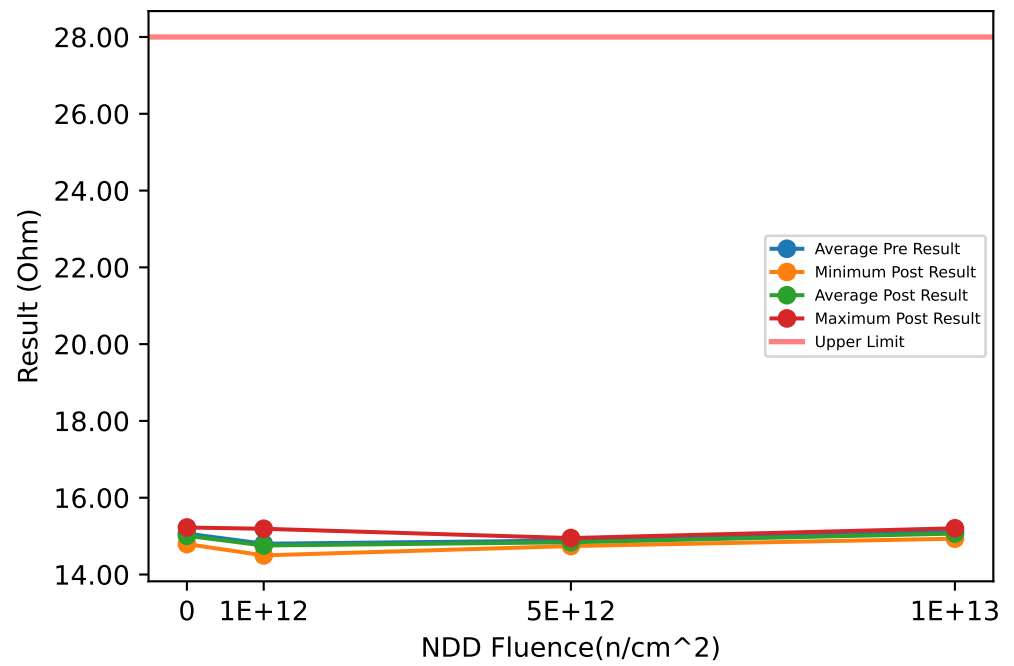
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.964	16.112	16.259	0.20874	15.878	16.041	16.204	0.23073	-0.0864	-0.07085	-0.0553	0.021991
1e+12	15.489	15.739	16.161	0.29356	15.394	15.678	16.106	0.30394	-0.0952	-0.0609	-0.0437	0.023307
5e+12	15.658	15.766	15.838	0.080647	15.625	15.713	15.769	0.068981	-0.0687	-0.0523	-0.0328	0.015421
1e+13	15.799	16.008	16.22	0.21496	15.746	15.949	16.178	0.21907	-0.0703	-0.05895	-0.0421	0.013854

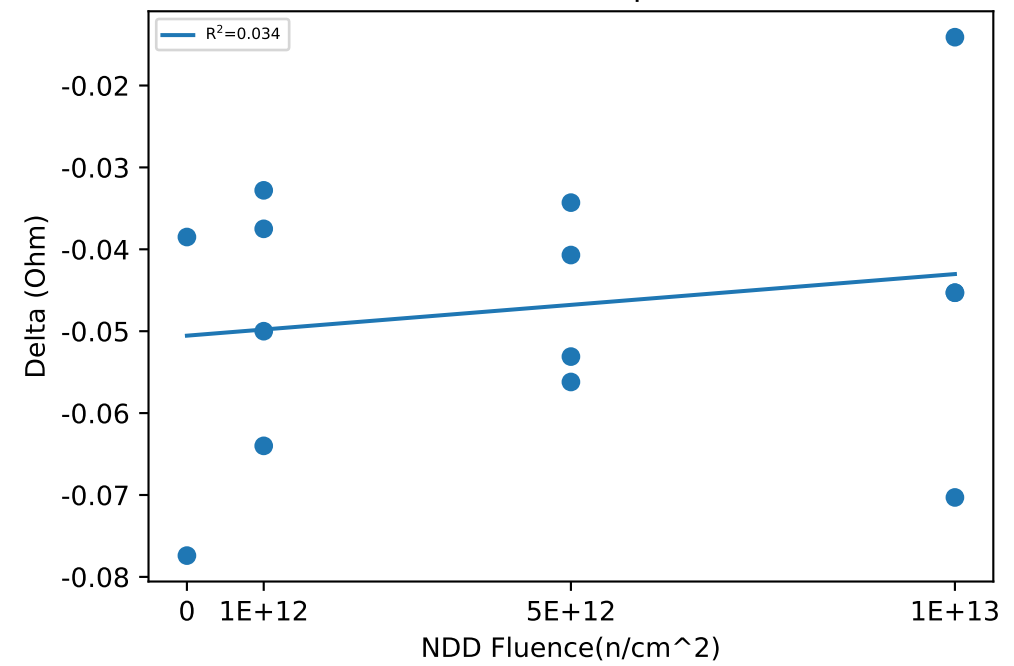
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.562	14.498	-0.064
2	1e+12	NDD Unbiased	14.584	14.534	-0.05
3	1e+12	NDD Unbiased	15.224	15.191	-0.0328
4	1e+12	NDD Unbiased	14.837	14.799	-0.0375
5	5e+12	NDD Unbiased	14.782	14.742	-0.0407
6	5e+12	NDD Unbiased	14.82	14.764	-0.0562
7	5e+12	NDD Unbiased	14.984	14.949	-0.0343
8	5e+12	NDD Unbiased	14.957	14.904	-0.0531
9	1e+13	NDD Unbiased	15.004	14.934	-0.0703
10	1e+13	NDD Unbiased	15.12	15.074	-0.0453
11	1e+13	NDD Unbiased	15.099	15.054	-0.0453
12	1e+13	NDD Unbiased	15.218	15.204	-0.0141
53	0	Correlation	14.87	14.792	-0.0774
54	0	Correlation	15.263	15.225	-0.0385

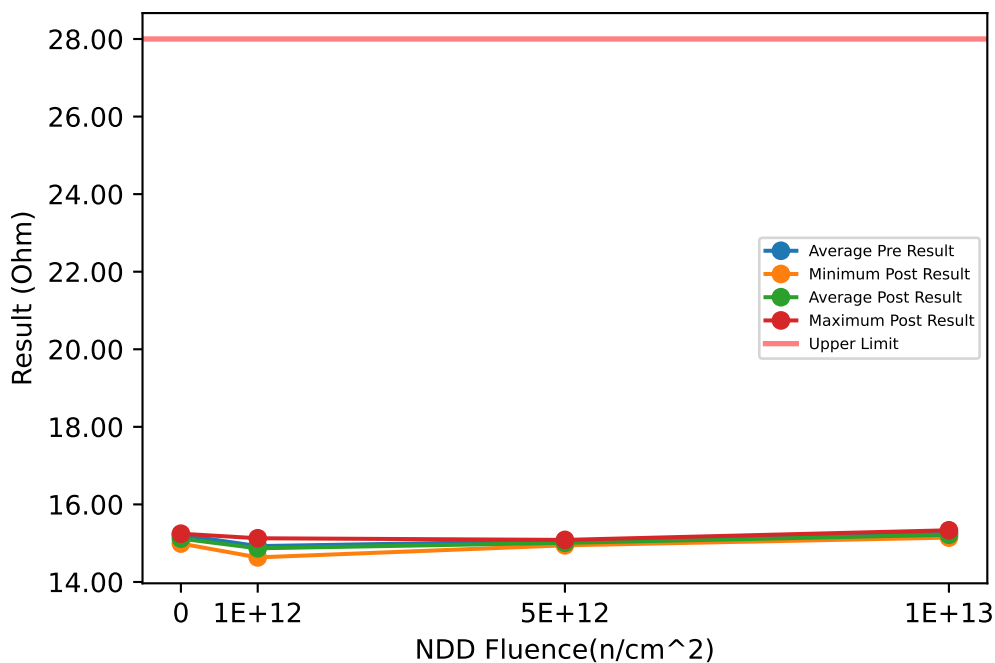
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.87	15.066	15.263	0.27832	14.792	15.009	15.225	0.30582	-0.0774	-0.05795	-0.0385	0.027506
1e+12	14.562	14.802	15.224	0.30803	14.498	14.756	15.191	0.32008	-0.064	-0.046075	-0.0328	0.013982
5e+12	14.782	14.886	14.984	0.099606	14.742	14.84	14.949	0.10265	-0.0562	-0.046075	-0.0343	0.010318
1e+13	15.004	15.11	15.218	0.087762	14.934	15.066	15.204	0.11065	-0.0703	-0.04375	-0.0141	0.023013

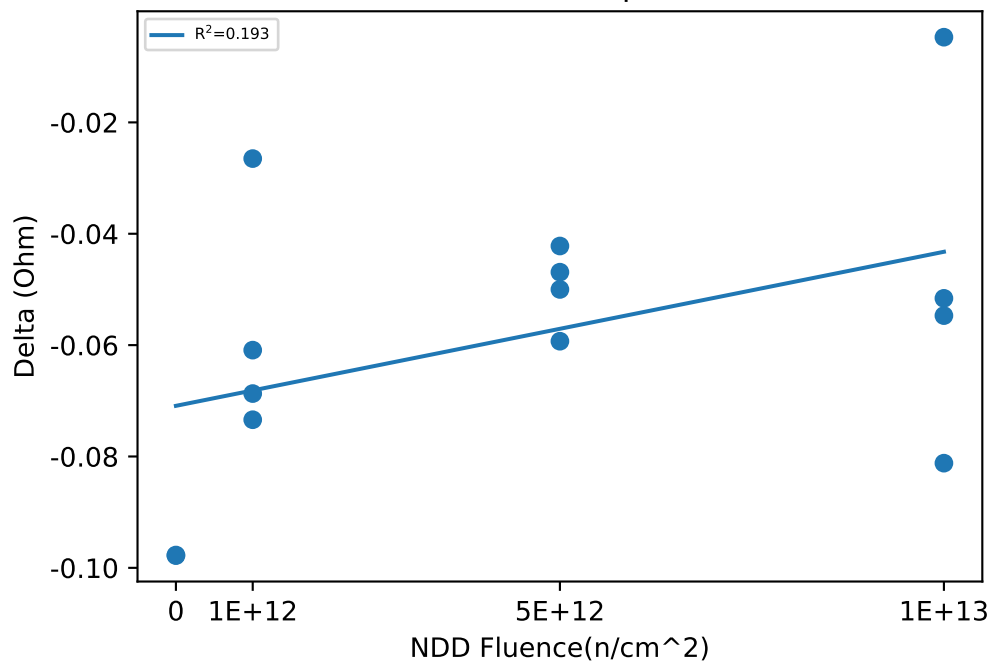
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.702	14.634	-0.0687
2	1e+12	NDD Unbiased	14.779	14.706	-0.0734
3	1e+12	NDD Unbiased	15.154	15.127	-0.0265
4	1e+12	NDD Unbiased	15.065	15.004	-0.0609
5	5e+12	NDD Unbiased	15.004	14.944	-0.0593
6	5e+12	NDD Unbiased	15.013	14.966	-0.0469
7	5e+12	NDD Unbiased	15.135	15.085	-0.05
8	5e+12	NDD Unbiased	15.079	15.037	-0.0422
9	1e+13	NDD Unbiased	15.199	15.144	-0.0547
10	1e+13	NDD Unbiased	15.23	15.149	-0.0812
11	1e+13	NDD Unbiased	15.294	15.243	-0.0516
12	1e+13	NDD Unbiased	15.338	15.333	-0.0047
53	0	Correlation	15.088	14.99	-0.0977
54	0	Correlation	15.343	15.245	-0.0978

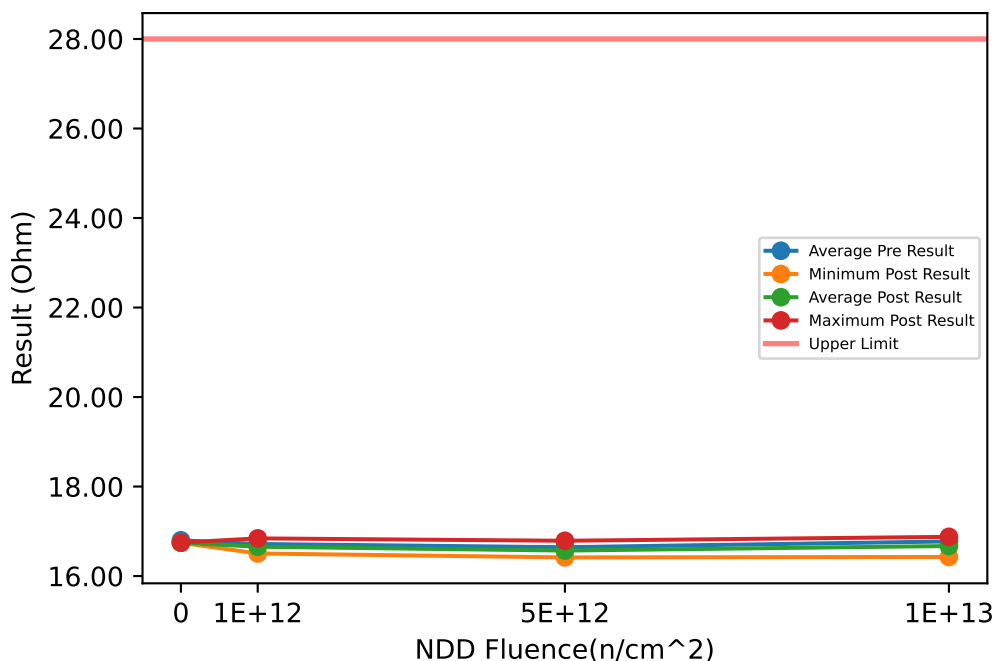
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.088	15.215	15.343	0.18003	14.99	15.118	15.245	0.17996	-0.0978	-0.09775	-0.0977	7.0711e-05
1e+12	14.702	14.925	15.154	0.21811	14.634	14.868	15.127	0.23589	-0.0734	-0.057375	-0.0265	0.021219
5e+12	15.004	15.058	15.135	0.061389	14.944	15.008	15.085	0.064596	-0.0593	-0.0496	-0.0422	0.007218
1e+13	15.199	15.265	15.338	0.062594	15.144	15.217	15.333	0.08962	-0.0812	-0.04805	-0.0047	0.031807

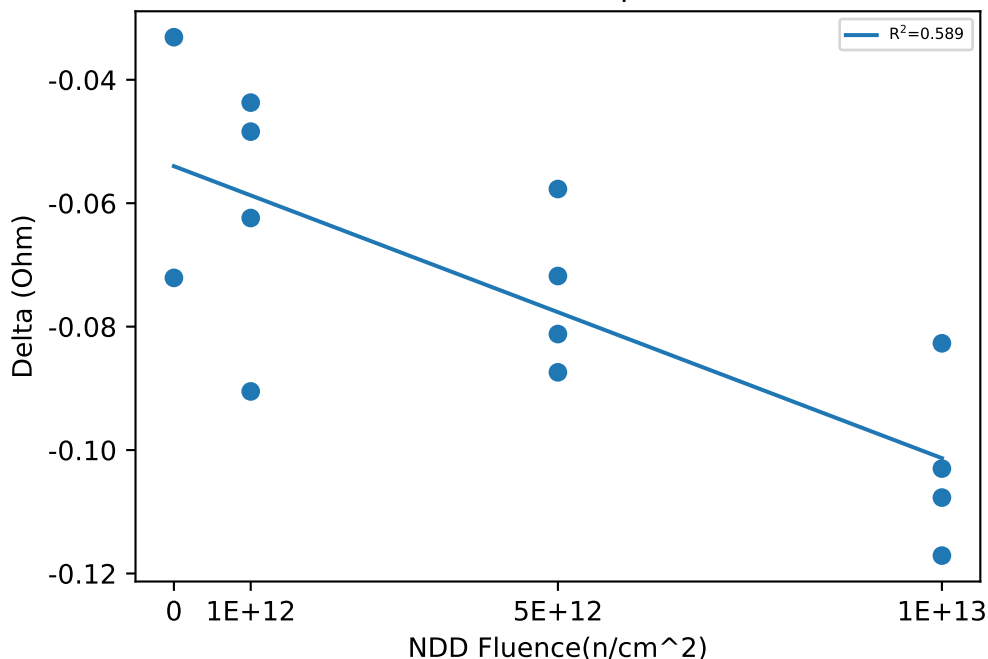
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.595	16.504	-0.0905
2	1e+12	NDD Unbiased	16.61	16.548	-0.0624
3	1e+12	NDD Unbiased	16.885	16.841	-0.0437
4	1e+12	NDD Unbiased	16.774	16.726	-0.0484
5	5e+12	NDD Unbiased	16.869	16.788	-0.0812
6	5e+12	NDD Unbiased	16.66	16.573	-0.0874
7	5e+12	NDD Unbiased	16.488	16.417	-0.0718
8	5e+12	NDD Unbiased	16.557	16.5	-0.0577
9	1e+13	NDD Unbiased	16.529	16.426	-0.103
10	1e+13	NDD Unbiased	16.638	16.521	-0.1171
11	1e+13	NDD Unbiased	16.968	16.86	-0.1077
12	1e+13	NDD Unbiased	16.959	16.876	-0.0827
53	0	Correlation	16.82	16.747	-0.0721
54	0	Correlation	16.777	16.744	-0.0331

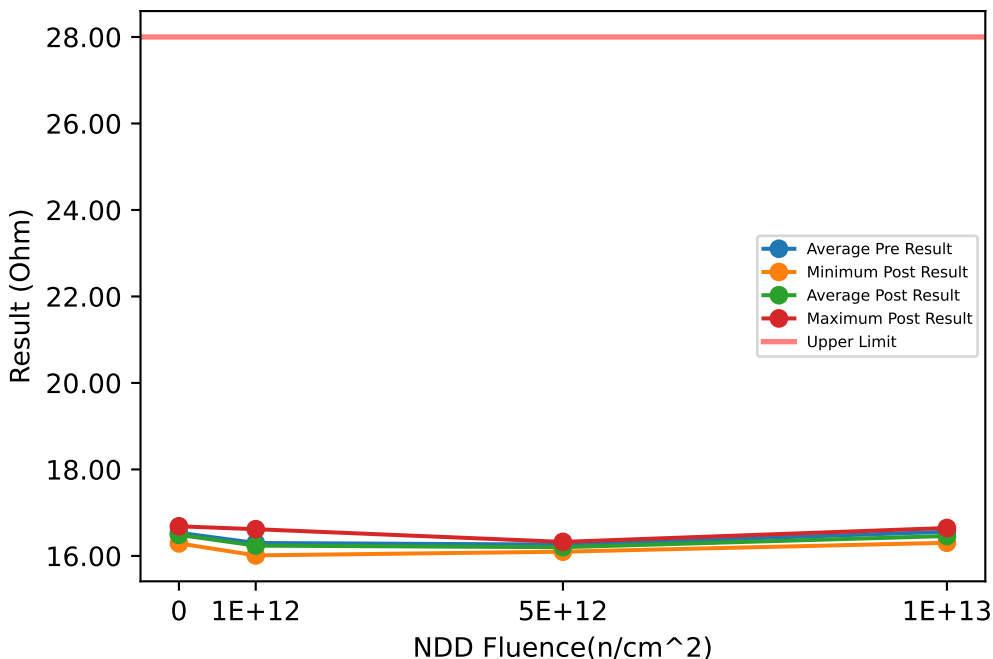
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.777	16.799	16.82	0.02984	16.744	16.746	16.747	0.0022627	-0.0721	-0.0526	-0.0331	0.027577
1e+12	16.595	16.716	16.885	0.1389	16.504	16.655	16.841	0.15704	-0.0905	-0.06125	-0.0437	0.021056
5e+12	16.488	16.644	16.869	0.16616	16.417	16.569	16.788	0.1593	-0.0874	-0.074525	-0.0577	0.012921
1e+13	16.529	16.773	16.968	0.22361	16.426	16.671	16.876	0.23103	-0.1171	-0.10262	-0.0827	0.014519

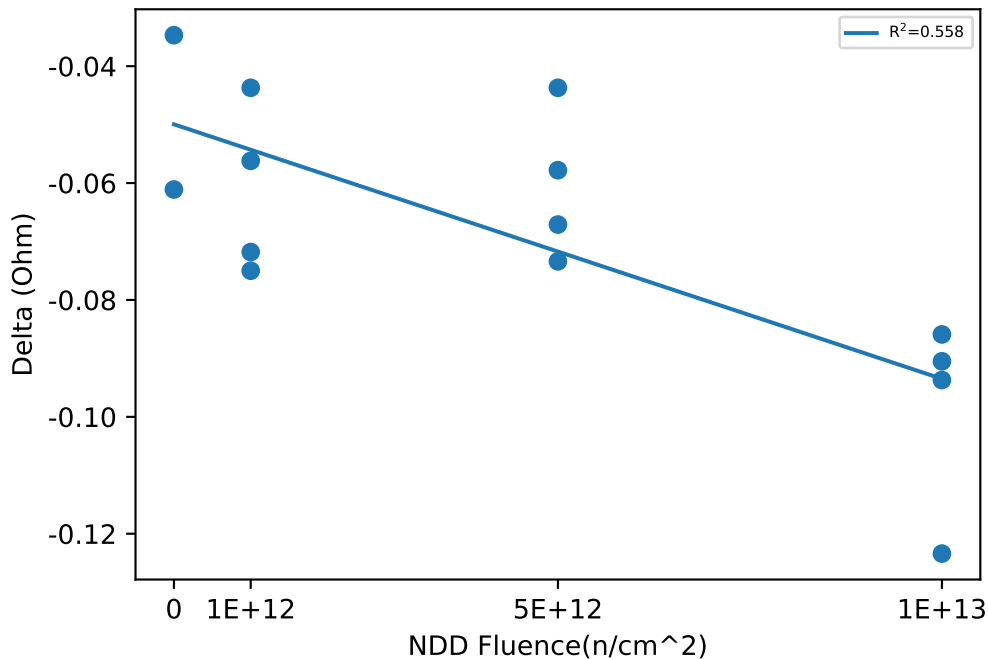
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.084	16.012	-0.0718
2	1e+12	NDD Unbiased	16.201	16.126	-0.075
3	1e+12	NDD Unbiased	16.662	16.618	-0.0437
4	1e+12	NDD Unbiased	16.251	16.195	-0.0562
5	5e+12	NDD Unbiased	16.312	16.245	-0.0671
6	5e+12	NDD Unbiased	16.212	16.139	-0.0734
7	5e+12	NDD Unbiased	16.142	16.098	-0.0437
8	5e+12	NDD Unbiased	16.382	16.325	-0.0578
9	1e+13	NDD Unbiased	16.428	16.304	-0.1234
10	1e+13	NDD Unbiased	16.407	16.314	-0.0937
11	1e+13	NDD Unbiased	16.662	16.576	-0.0859
12	1e+13	NDD Unbiased	16.737	16.646	-0.0905
53	0	Correlation	16.351	16.29	-0.0611
54	0	Correlation	16.72	16.685	-0.0347

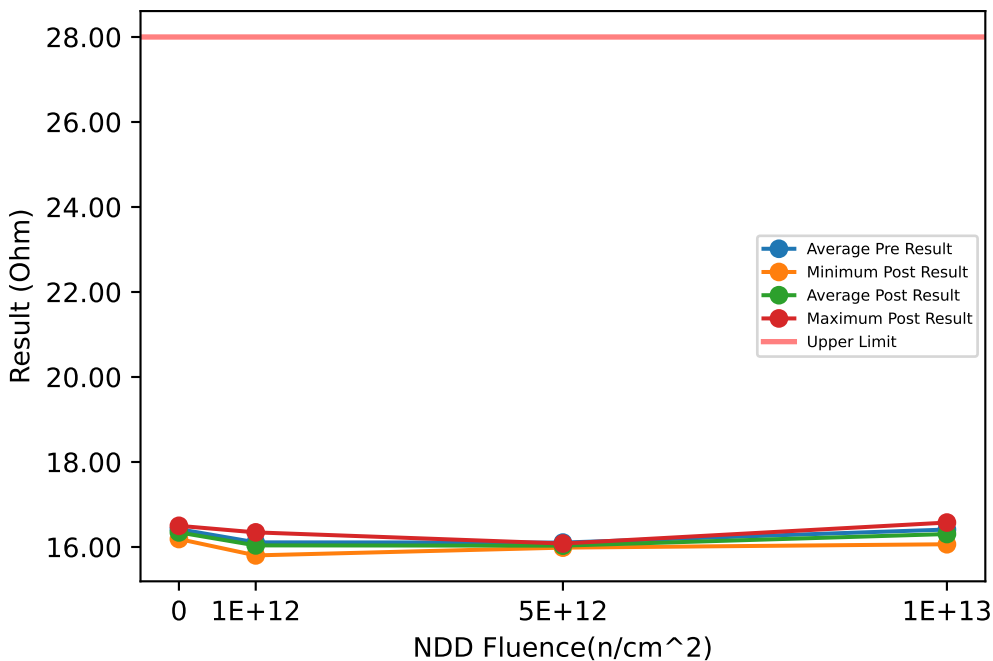
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.351	16.535	16.72	0.26057	16.29	16.487	16.685	0.27924	-0.0611	-0.0479	-0.0347	0.018668
1e+12	16.084	16.3	16.662	0.25147	16.012	16.238	16.618	0.26446	-0.075	-0.061675	-0.0437	0.014528
5e+12	16.142	16.262	16.382	0.10632	16.098	16.202	16.325	0.10271	-0.0734	-0.0605	-0.0437	0.012903
1e+13	16.407	16.558	16.737	0.16575	16.304	16.46	16.646	0.17683	-0.1234	-0.098375	-0.0859	0.016988

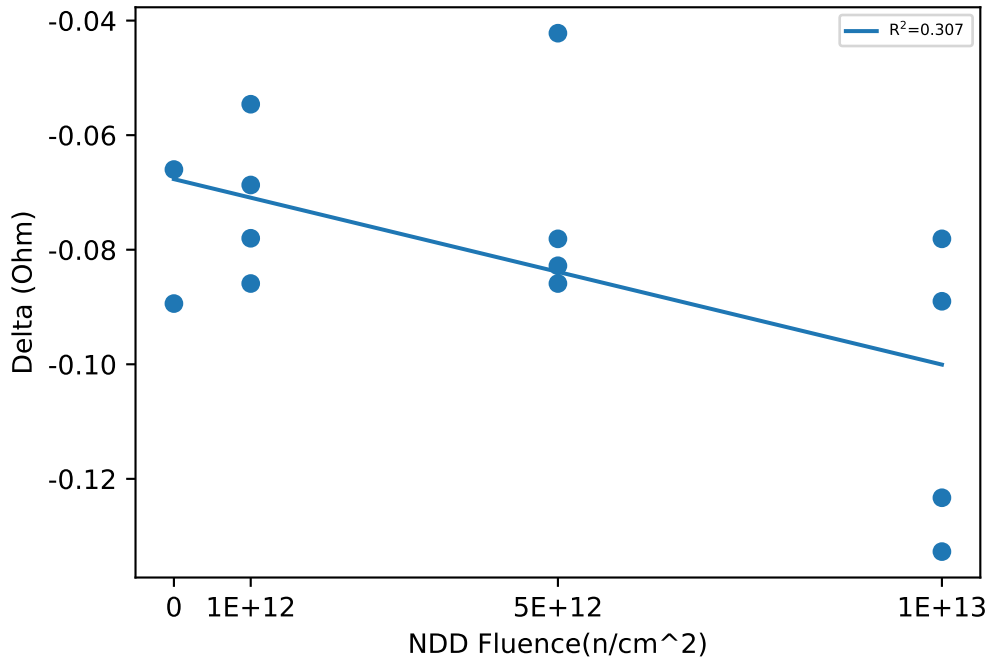
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.871	15.802	-0.0687
2	1e+12	NDD Unbiased	16.035	15.98	-0.0546
3	1e+12	NDD Unbiased	16.43	16.344	-0.0859
4	1e+12	NDD Unbiased	16.102	16.024	-0.078
5	5e+12	NDD Unbiased	16.152	16.069	-0.0828
6	5e+12	NDD Unbiased	16.027	15.985	-0.0422
7	5e+12	NDD Unbiased	16.077	15.991	-0.0859
8	5e+12	NDD Unbiased	16.16	16.082	-0.0781
9	1e+13	NDD Unbiased	16.239	16.107	-0.1327
10	1e+13	NDD Unbiased	16.188	16.064	-0.1233
11	1e+13	NDD Unbiased	16.552	16.474	-0.0781
12	1e+13	NDD Unbiased	16.664	16.575	-0.089
53	0	Correlation	16.277	16.187	-0.0894
54	0	Correlation	16.564	16.498	-0.066

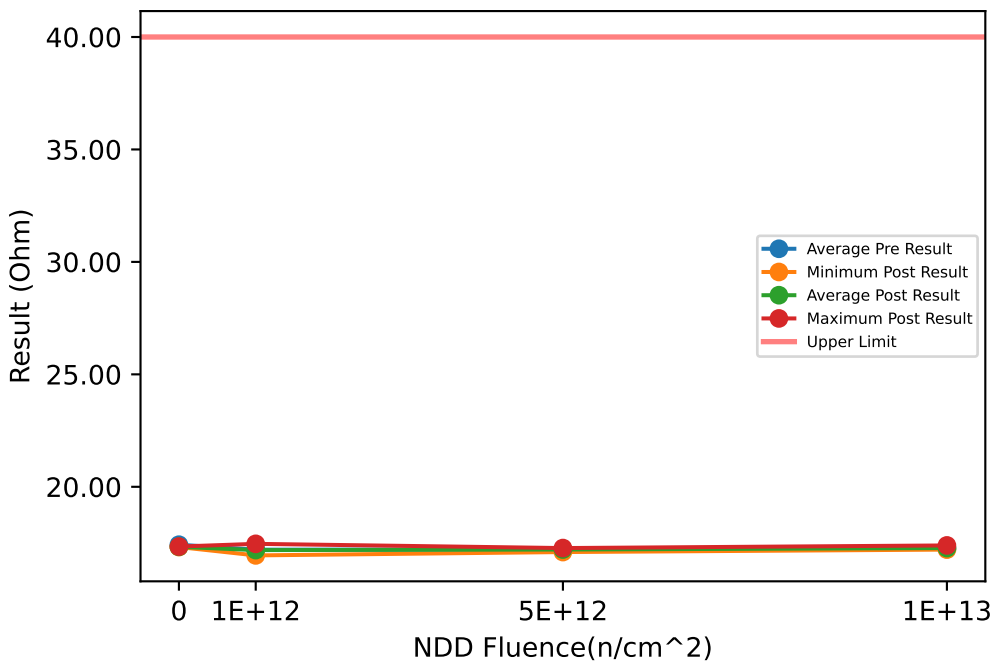
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.277	16.42	16.564	0.20315	16.187	16.343	16.498	0.2197	-0.0894	-0.0777	-0.066	0.016546
1e+12	15.871	16.109	16.43	0.23463	15.802	16.038	16.344	0.22562	-0.0859	-0.0718	-0.0546	0.01345
5e+12	16.027	16.104	16.16	0.06339	15.985	16.032	16.082	0.050783	-0.0859	-0.07225	-0.0422	0.020288
1e+13	16.188	16.411	16.664	0.23315	16.064	16.305	16.575	0.25723	-0.1327	-0.10578	-0.0781	0.026327

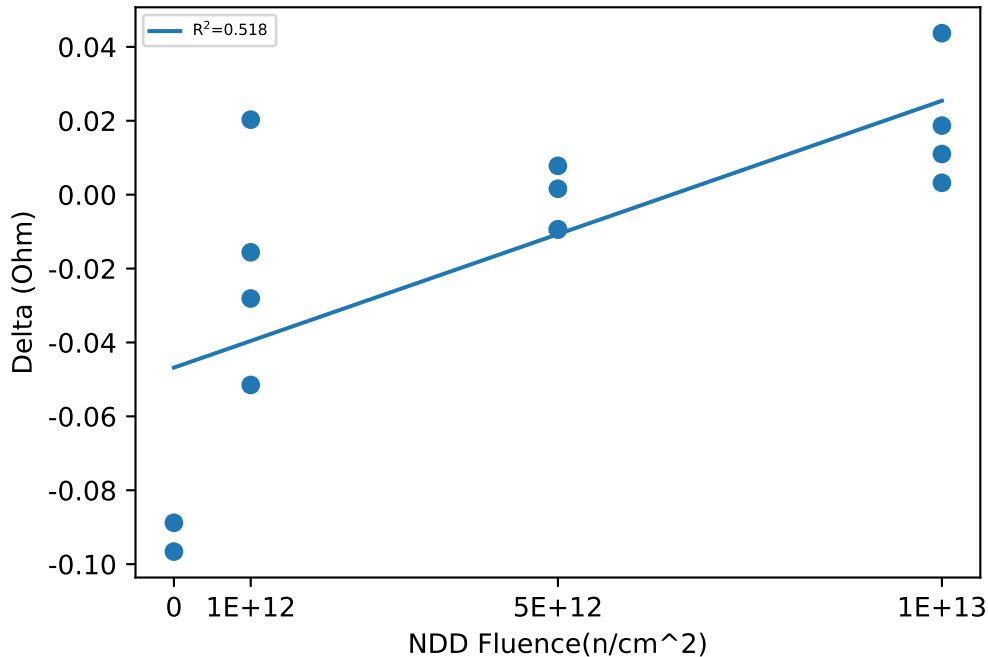
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	16.978	16.95	-0.0281
2	1e+12	NDD Unbiased	17.014	16.998	-0.0156
3	1e+12	NDD Unbiased	17.515	17.464	-0.0515
4	1e+12	NDD Unbiased	17.308	17.328	0.0203
5	5e+12	NDD Unbiased	17.268	17.276	0.0078
6	5e+12	NDD Unbiased	17.223	17.214	-0.0094
7	5e+12	NDD Unbiased	17.108	17.098	-0.0094
8	5e+12	NDD Unbiased	17.256	17.258	0.0016
9	1e+13	NDD Unbiased	17.189	17.208	0.0187
10	1e+13	NDD Unbiased	17.35	17.393	0.0437
11	1e+13	NDD Unbiased	17.218	17.222	0.0032
12	1e+13	NDD Unbiased	17.272	17.283	0.011
53	0	Correlation	17.411	17.322	-0.0888
54	0	Correlation	17.44	17.344	-0.0966

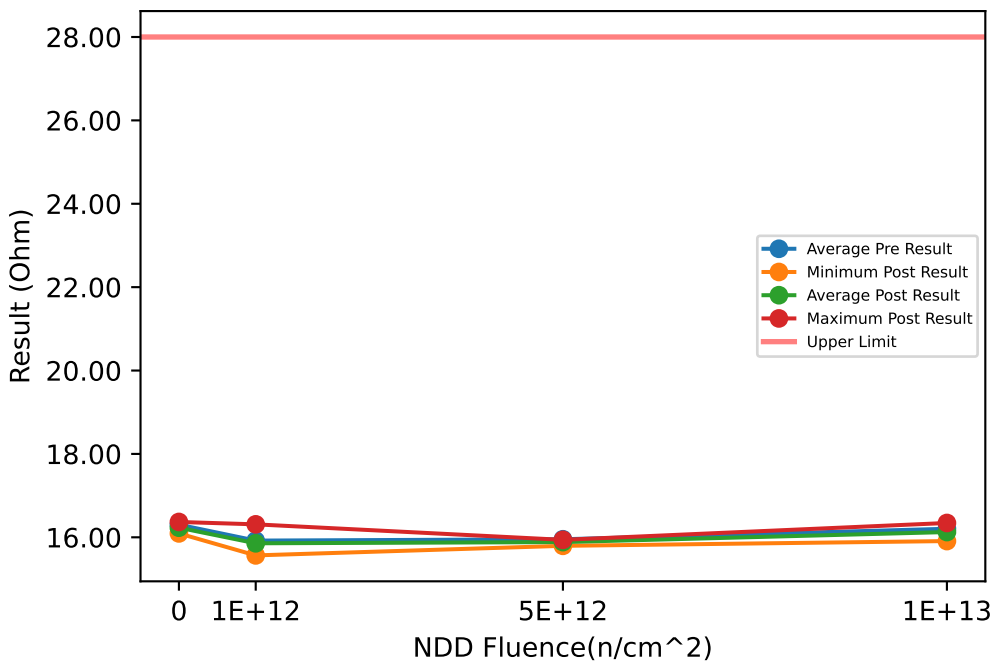
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.411	17.425	17.44	0.021001	17.322	17.333	17.344	0.015486	-0.0966	-0.0927	-0.0888	0.0055154
1e+12	16.978	17.204	17.515	0.25475	16.95	17.185	17.464	0.25041	-0.0515	-0.018725	0.0203	0.029971
5e+12	17.108	17.214	17.268	0.0733	17.098	17.212	17.276	0.079883	-0.0094	-0.00235	0.0078	0.0085251
1e+13	17.189	17.257	17.35	0.070536	17.208	17.276	17.393	0.084563	0.0032	0.01915	0.0437	0.017547

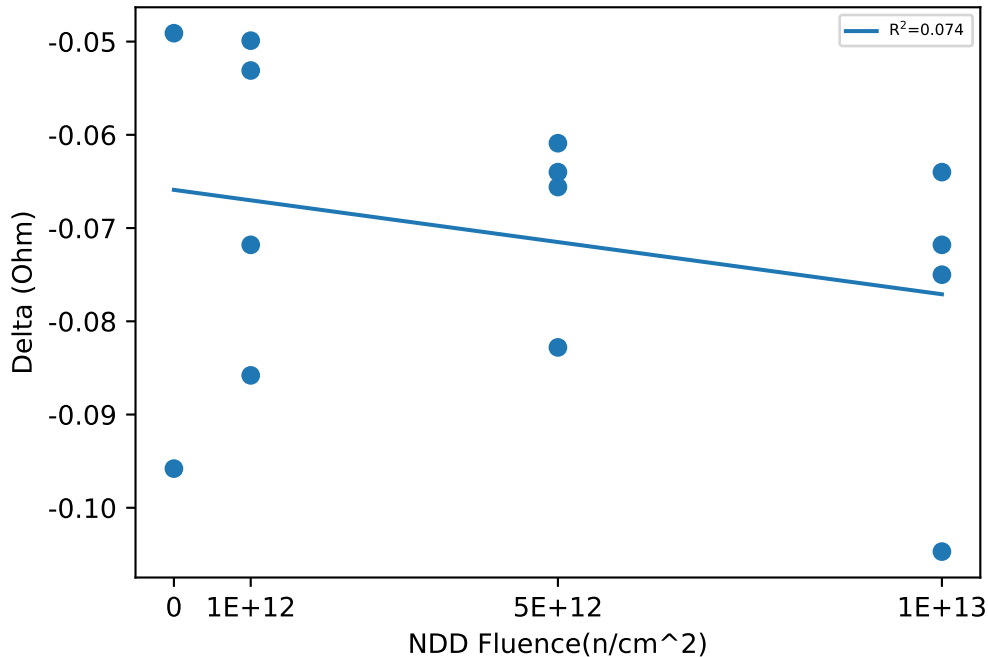
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.616	15.566	-0.0499
2	1e+12	NDD Unbiased	15.783	15.73	-0.0531
3	1e+12	NDD Unbiased	16.383	16.311	-0.0718
4	1e+12	NDD Unbiased	15.903	15.818	-0.0858
5	5e+12	NDD Unbiased	15.963	15.88	-0.0828
6	5e+12	NDD Unbiased	15.861	15.796	-0.0656
7	5e+12	NDD Unbiased	15.986	15.925	-0.0609
8	5e+12	NDD Unbiased	16.003	15.939	-0.064
9	1e+13	NDD Unbiased	16.041	15.936	-0.1047
10	1e+13	NDD Unbiased	15.981	15.91	-0.0718
11	1e+13	NDD Unbiased	16.389	16.314	-0.075
12	1e+13	NDD Unbiased	16.408	16.344	-0.064
53	0	Correlation	16.189	16.093	-0.0958
54	0	Correlation	16.417	16.368	-0.0491

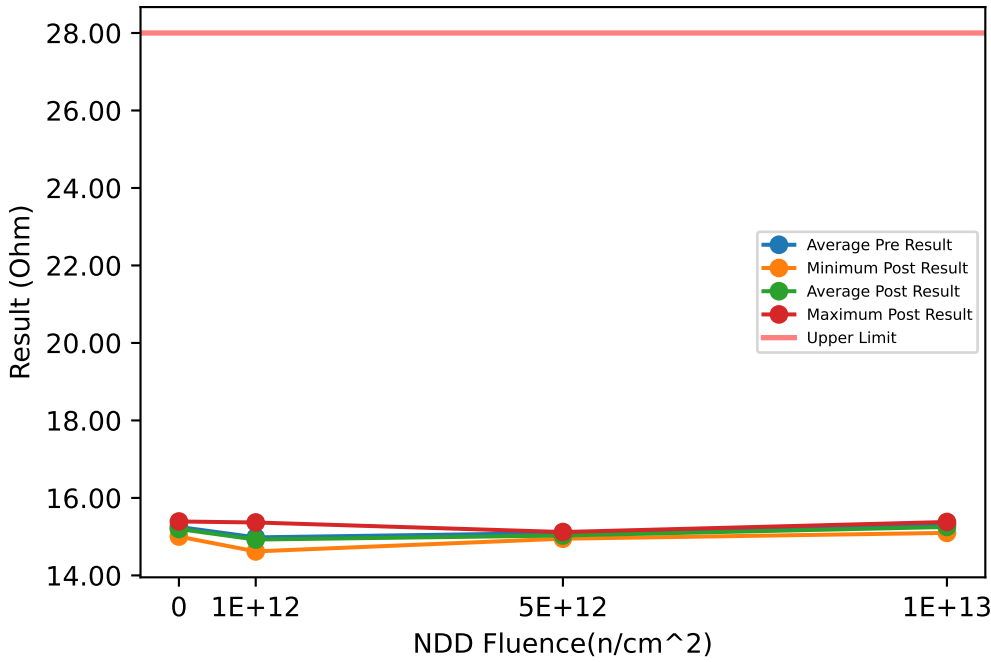
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	16.189	16.303	16.417	0.16122	16.093	16.231	16.368	0.19424	-0.0958	-0.07245	-0.0491	0.033022
1e+12	15.616	15.921	16.383	0.3294	15.566	15.856	16.311	0.32059	-0.0858	-0.06515	-0.0499	0.016817
5e+12	15.861	15.953	16.003	0.063631	15.796	15.885	15.939	0.064763	-0.0828	-0.068325	-0.0609	0.0098453
1e+13	15.981	16.205	16.408	0.22502	15.91	16.126	16.344	0.23497	-0.1047	-0.078875	-0.064	0.017826

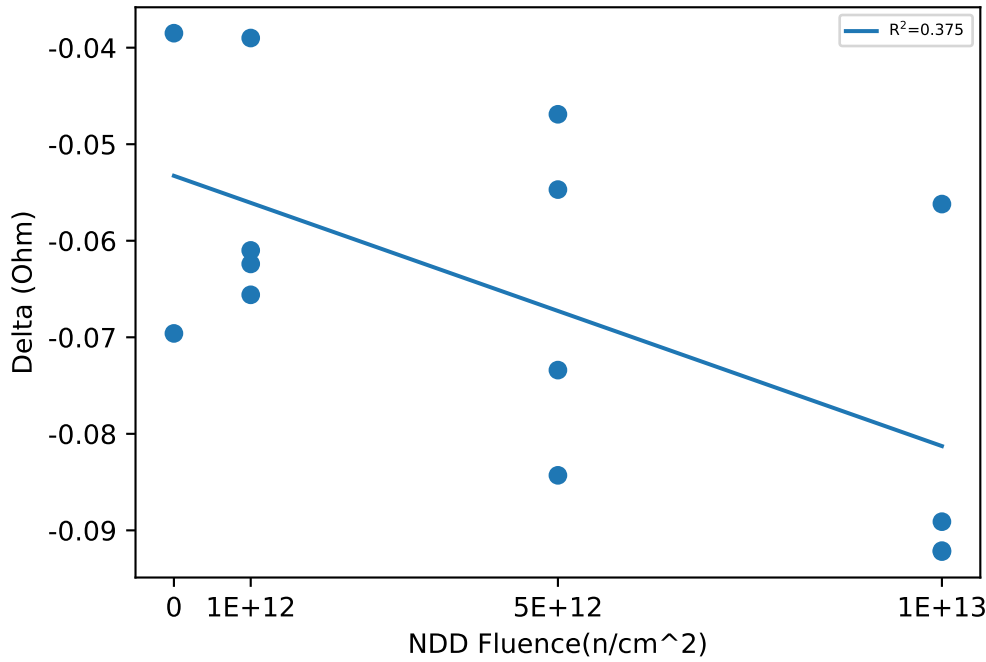
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

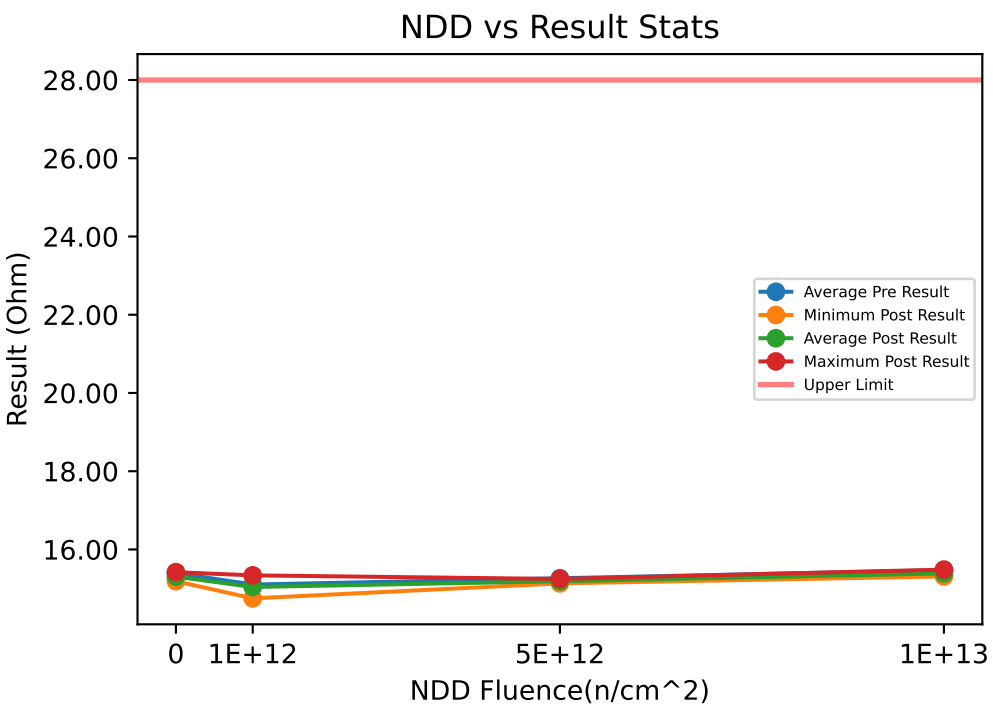
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.685	14.62	-0.0656
2	1e+12	NDD Unbiased	14.782	14.721	-0.061
3	1e+12	NDD Unbiased	15.429	15.366	-0.0624
4	1e+12	NDD Unbiased	15.032	14.993	-0.039
5	5e+12	NDD Unbiased	14.995	14.948	-0.0469
6	5e+12	NDD Unbiased	15.023	14.949	-0.0734
7	5e+12	NDD Unbiased	15.174	15.12	-0.0547
8	5e+12	NDD Unbiased	15.185	15.101	-0.0843
9	1e+13	NDD Unbiased	15.19	15.098	-0.0922
10	1e+13	NDD Unbiased	15.334	15.245	-0.0891
11	1e+13	NDD Unbiased	15.373	15.28	-0.0921
12	1e+13	NDD Unbiased	15.435	15.379	-0.0562
53	0	Correlation	15.073	15.003	-0.0696
54	0	Correlation	15.43	15.392	-0.0385

NDD vs Post - Pre Exposure Delta



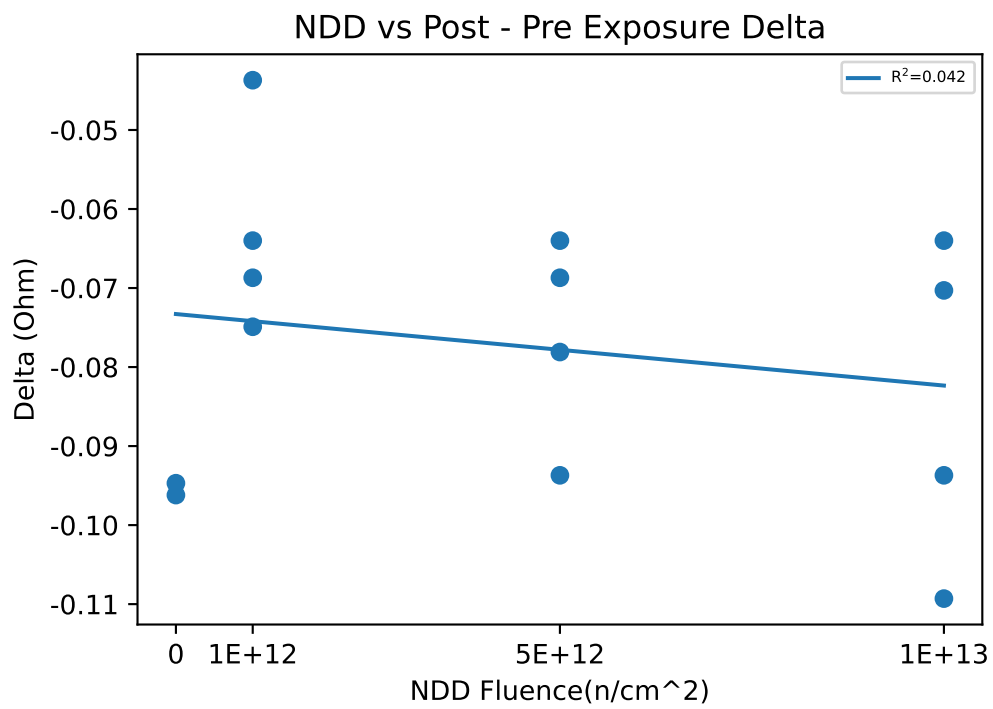
Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.073	15.252	15.43	0.25293	15.003	15.197	15.392	0.27492	-0.0696	-0.05405	-0.0385	0.021991
1e+12	14.685	14.982	15.429	0.33166	14.62	14.925	15.366	0.33372	-0.0656	-0.057	-0.039	0.012153
5e+12	14.995	15.094	15.185	0.099491	14.948	15.029	15.12	0.093643	-0.0843	-0.064825	-0.0469	0.017094
1e+13	15.19	15.333	15.435	0.10404	15.098	15.25	15.379	0.11658	-0.0922	-0.0824	-0.0562	0.017526



Test Results (Upper Limit = 28.0 (Ohm))

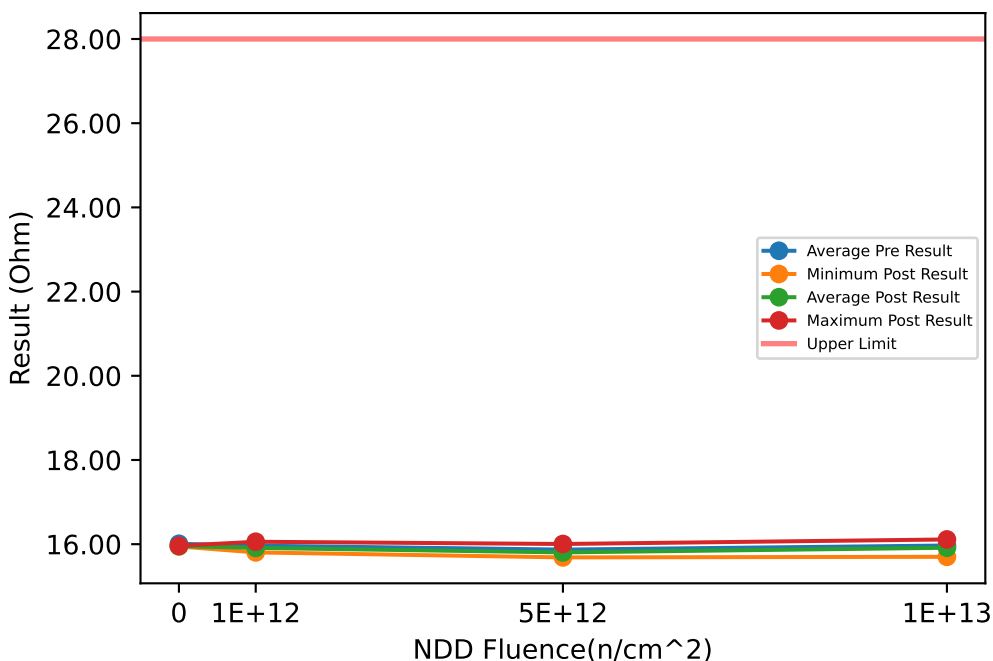
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.813	14.749	-0.064
2	1e+12	NDD Unbiased	14.948	14.879	-0.0687
3	1e+12	NDD Unbiased	15.382	15.338	-0.0437
4	1e+12	NDD Unbiased	15.271	15.196	-0.0749
5	5e+12	NDD Unbiased	15.222	15.144	-0.0781
6	5e+12	NDD Unbiased	15.202	15.133	-0.0687
7	5e+12	NDD Unbiased	15.31	15.246	-0.064
8	5e+12	NDD Unbiased	15.322	15.229	-0.0937
9	1e+13	NDD Unbiased	15.408	15.315	-0.0937
10	1e+13	NDD Unbiased	15.421	15.311	-0.1093
11	1e+13	NDD Unbiased	15.513	15.443	-0.0703
12	1e+13	NDD Unbiased	15.549	15.485	-0.064
53	0	Correlation	15.285	15.189	-0.0962
54	0	Correlation	15.514	15.42	-0.0947



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.285	15.4	15.514	0.16228	15.189	15.304	15.42	0.16334	-0.0962	-0.09545	-0.0947	0.0010607
1e+12	14.813	15.103	15.382	0.26702	14.749	15.041	15.338	0.27299	-0.0749	-0.062825	-0.0437	0.013509
5e+12	15.202	15.264	15.322	0.060771	15.133	15.188	15.246	0.057445	-0.0937	-0.076125	-0.064	0.013101
1e+13	15.408	15.473	15.549	0.068941	15.311	15.388	15.485	0.088706	-0.1093	-0.084325	-0.064	0.020988

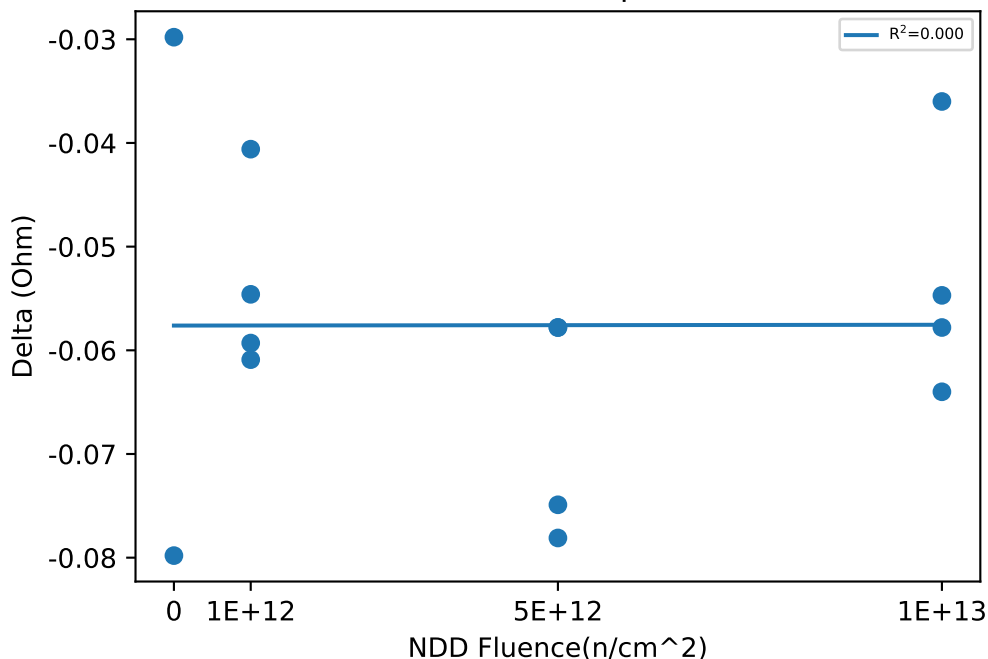
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.866	15.805	-0.0609
2	1e+12	NDD Unbiased	15.87	15.816	-0.0546
3	1e+12	NDD Unbiased	16.117	16.058	-0.0593
4	1e+12	NDD Unbiased	16.008	15.967	-0.0406
5	5e+12	NDD Unbiased	16.062	16.005	-0.0578
6	5e+12	NDD Unbiased	15.872	15.814	-0.0578
7	5e+12	NDD Unbiased	15.761	15.686	-0.0749
8	5e+12	NDD Unbiased	15.791	15.713	-0.0781
9	1e+13	NDD Unbiased	15.755	15.7	-0.0547
10	1e+13	NDD Unbiased	15.856	15.798	-0.0578
11	1e+13	NDD Unbiased	16.112	16.048	-0.064
12	1e+13	NDD Unbiased	16.148	16.112	-0.036
53	0	Correlation	16.026	15.947	-0.0798
54	0	Correlation	15.992	15.962	-0.0298

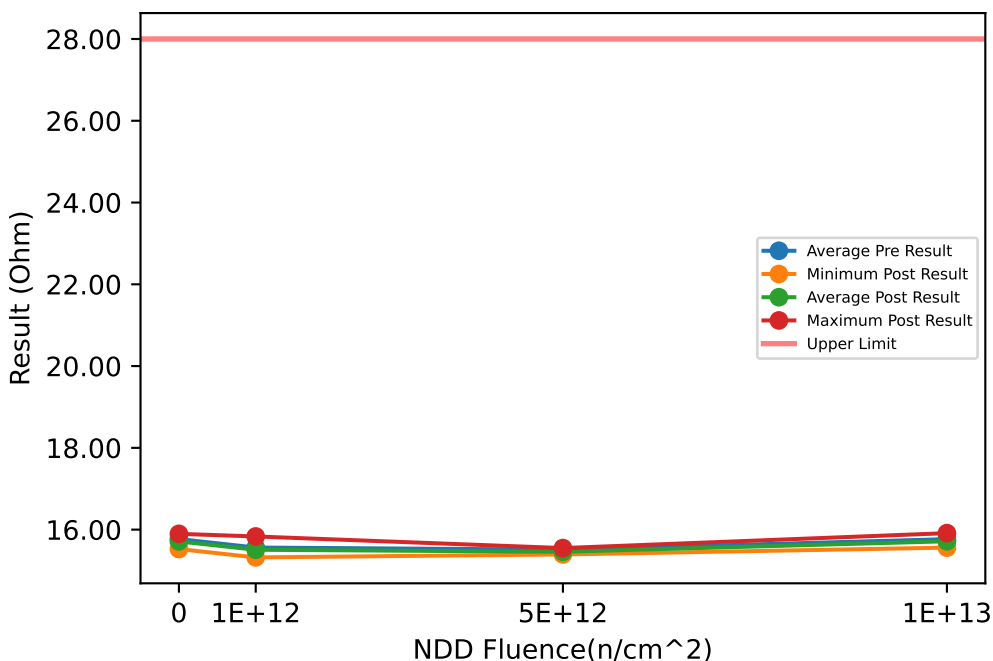
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.992	16.009	16.026	0.024324	15.947	15.954	15.962	0.011031	-0.0798	-0.0548	-0.0298	0.035355
1e+12	15.866	15.965	16.117	0.1208	15.805	15.911	16.058	0.12254	-0.0609	-0.05385	-0.0406	0.0092291
5e+12	15.761	15.871	16.062	0.13562	15.686	15.804	16.005	0.14445	-0.0781	-0.06715	-0.0578	0.010875
1e+13	15.755	15.968	16.148	0.19258	15.7	15.915	16.112	0.19702	-0.064	-0.053125	-0.036	0.012054

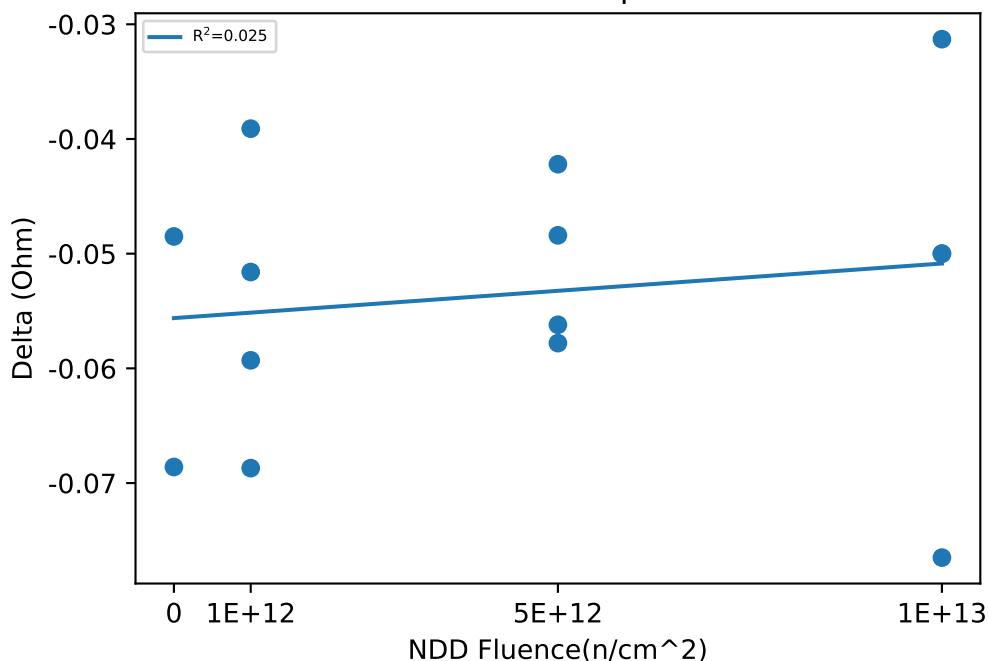
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.389	15.32	-0.0687
2	1e+12	NDD Unbiased	15.473	15.414	-0.0593
3	1e+12	NDD Unbiased	15.884	15.833	-0.0516
4	1e+12	NDD Unbiased	15.5	15.461	-0.0391
5	5e+12	NDD Unbiased	15.536	15.494	-0.0422
6	5e+12	NDD Unbiased	15.45	15.392	-0.0578
7	5e+12	NDD Unbiased	15.455	15.399	-0.0562
8	5e+12	NDD Unbiased	15.597	15.549	-0.0484
9	1e+13	NDD Unbiased	15.652	15.601	-0.05
10	1e+13	NDD Unbiased	15.636	15.559	-0.0765
11	1e+13	NDD Unbiased	15.834	15.784	-0.05
12	1e+13	NDD Unbiased	15.945	15.914	-0.0313
53	0	Correlation	15.594	15.525	-0.0686
54	0	Correlation	15.945	15.897	-0.0485

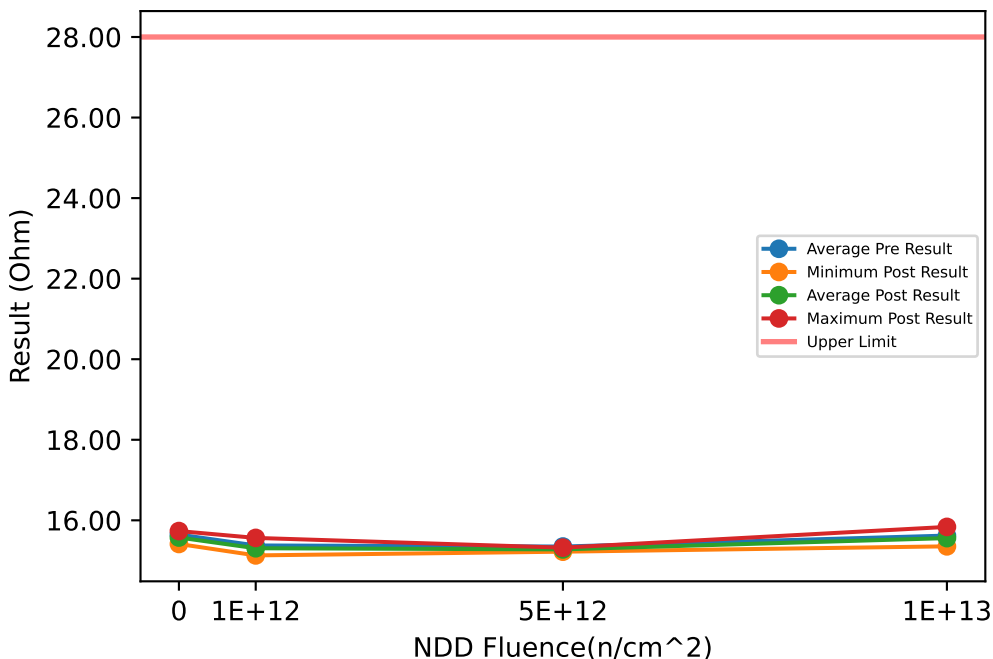
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.594	15.769	15.945	0.24848	15.525	15.711	15.897	0.26269	-0.0686	-0.05855	-0.0485	0.014213
1e+12	15.389	15.562	15.884	0.2201	15.32	15.507	15.833	0.22474	-0.0687	-0.054675	-0.0391	0.012518
5e+12	15.45	15.509	15.597	0.070383	15.392	15.458	15.549	0.075975	-0.0578	-0.05115	-0.0422	0.0072432
1e+13	15.636	15.767	15.945	0.14918	15.559	15.715	15.914	0.16473	-0.0765	-0.05195	-0.0313	0.01859

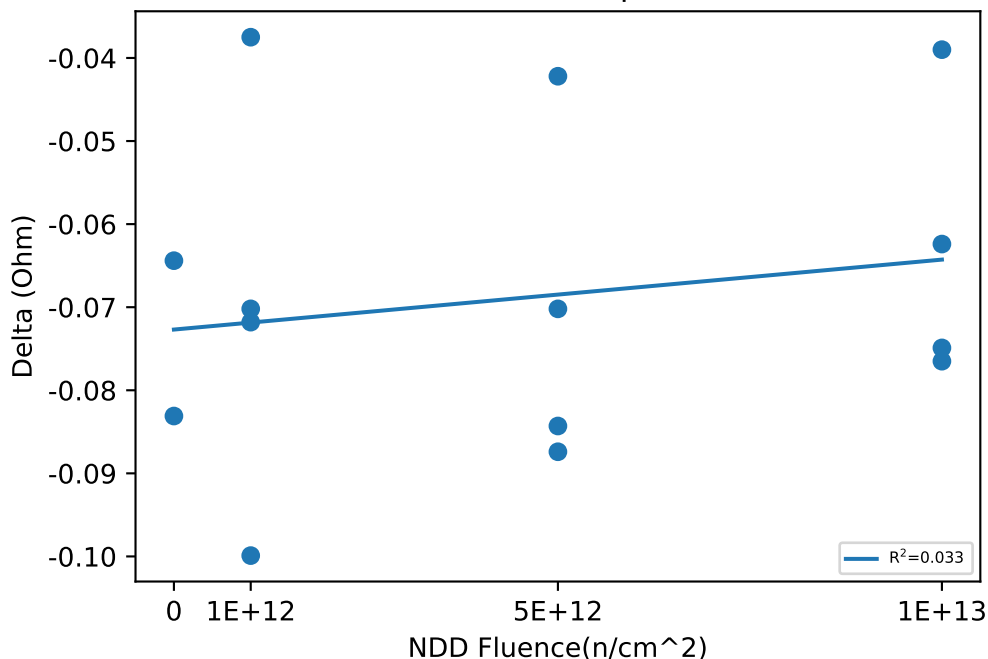
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	15.201	15.129	-0.0718
2	1e+12	NDD Unbiased	15.285	15.248	-0.0375
3	1e+12	NDD Unbiased	15.663	15.563	-0.0999
4	1e+12	NDD Unbiased	15.356	15.285	-0.0702
5	5e+12	NDD Unbiased	15.384	15.296	-0.0874
6	5e+12	NDD Unbiased	15.264	15.221	-0.0422
7	5e+12	NDD Unbiased	15.359	15.274	-0.0843
8	5e+12	NDD Unbiased	15.392	15.321	-0.0702
9	1e+13	NDD Unbiased	15.46	15.385	-0.0749
10	1e+13	NDD Unbiased	15.431	15.354	-0.0765
11	1e+13	NDD Unbiased	15.719	15.657	-0.0624
12	1e+13	NDD Unbiased	15.876	15.836	-0.039
53	0	Correlation	15.496	15.413	-0.0831
54	0	Correlation	15.797	15.733	-0.0644

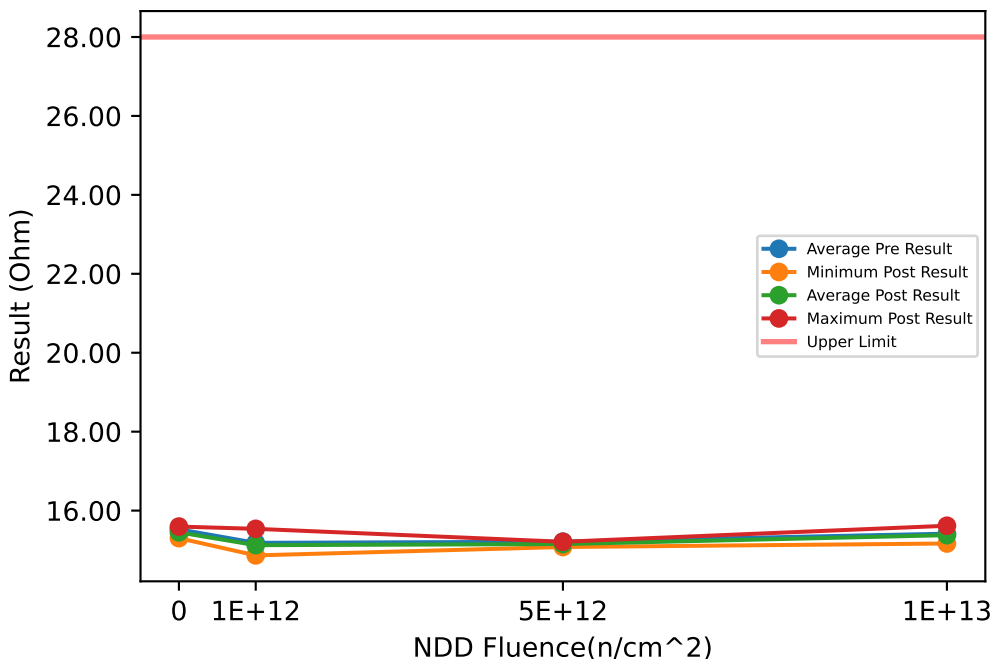
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.496	15.647	15.797	0.21312	15.413	15.573	15.733	0.22634	-0.0831	-0.07375	-0.0644	0.013223
1e+12	15.201	15.376	15.663	0.20144	15.129	15.306	15.563	0.18372	-0.0999	-0.06985	-0.0375	0.025518
5e+12	15.264	15.349	15.392	0.058919	15.221	15.278	15.321	0.042572	-0.0874	-0.071025	-0.0422	0.020623
1e+13	15.431	15.621	15.876	0.21335	15.354	15.558	15.836	0.23005	-0.0765	-0.0632	-0.039	0.017321

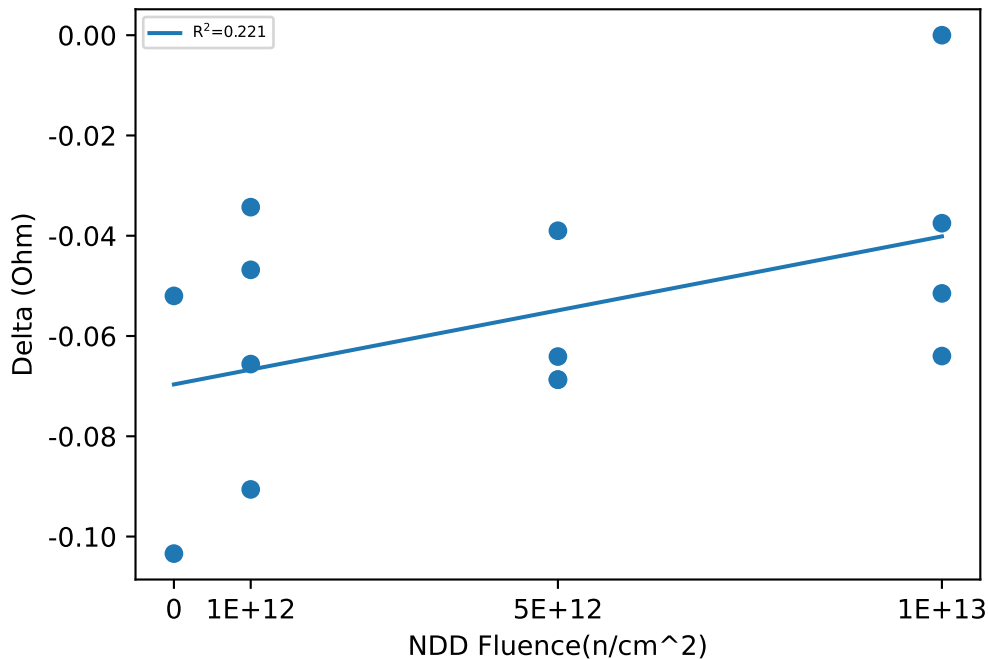
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

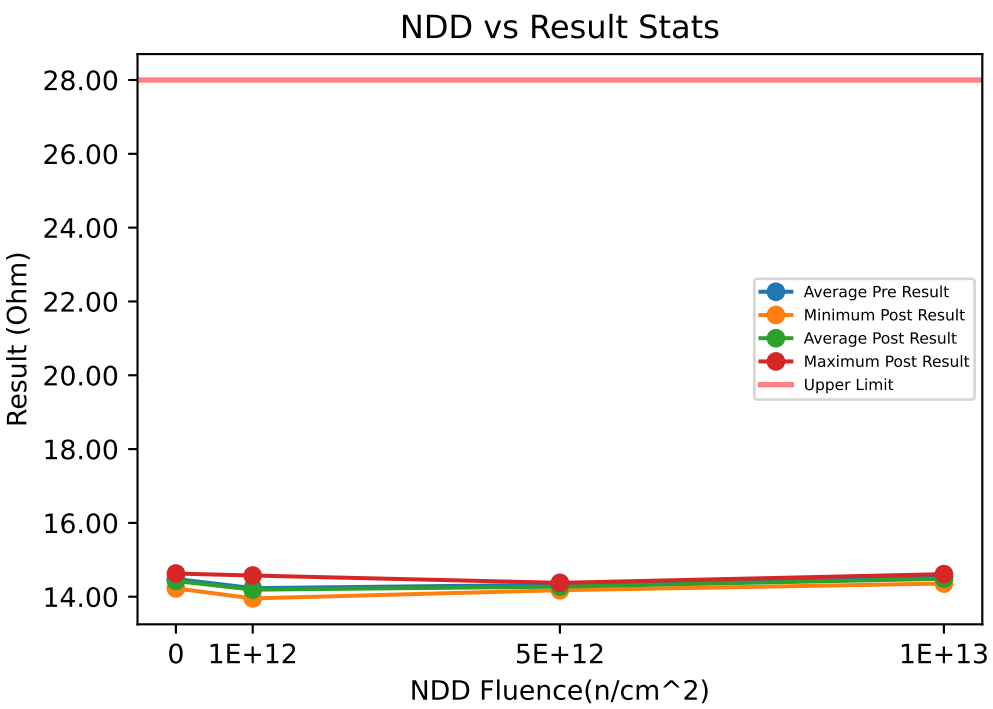
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.956	14.865	-0.0906
2	1e+12	NDD Unbiased	15.04	15.005	-0.0343
3	1e+12	NDD Unbiased	15.604	15.538	-0.0656
4	1e+12	NDD Unbiased	15.133	15.087	-0.0468
5	5e+12	NDD Unbiased	15.199	15.13	-0.0687
6	5e+12	NDD Unbiased	15.116	15.077	-0.039
7	5e+12	NDD Unbiased	15.274	15.21	-0.0641
8	5e+12	NDD Unbiased	15.258	15.19	-0.0687
9	1e+13	NDD Unbiased	15.271	15.219	-0.0515
10	1e+13	NDD Unbiased	15.23	15.166	-0.064
11	1e+13	NDD Unbiased	15.544	15.507	-0.0375
12	1e+13	NDD Unbiased	15.616	15.616	0
53	0	Correlation	15.405	15.302	-0.1034
54	0	Correlation	15.647	15.595	-0.052

NDD vs Post - Pre Exposure Delta



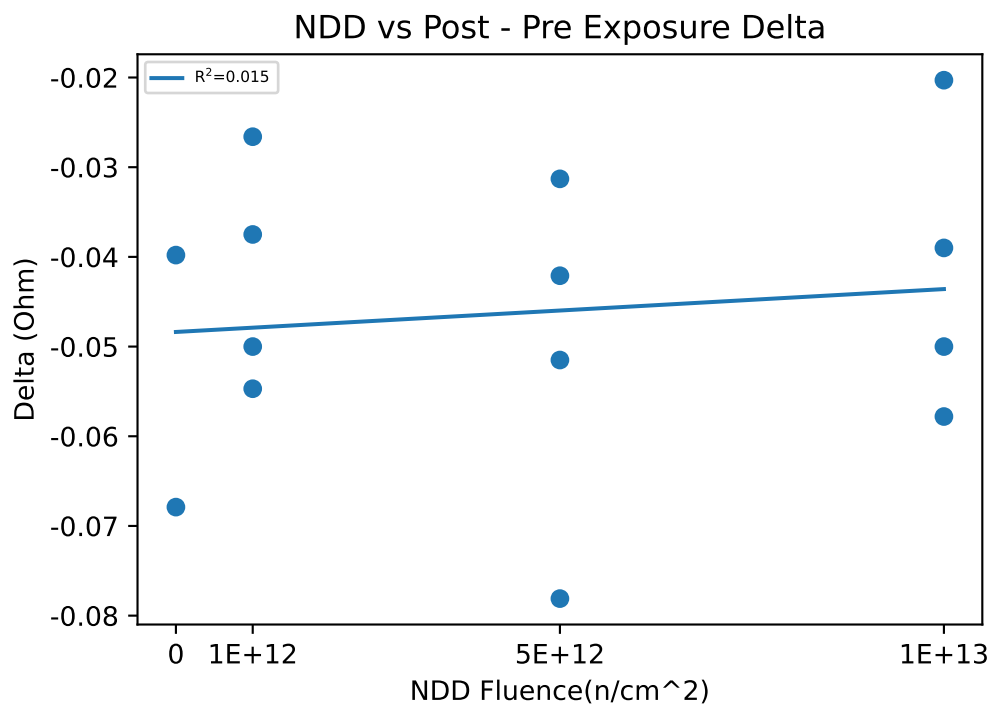
Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.405	15.526	15.647	0.17119	15.302	15.449	15.595	0.20754	-0.1034	-0.0777	-0.052	0.036345
1e+12	14.956	15.183	15.604	0.28956	14.865	15.124	15.538	0.29091	-0.0906	-0.059325	-0.0343	0.024499
5e+12	15.116	15.212	15.274	0.071494	15.077	15.152	15.21	0.060088	-0.0687	-0.060125	-0.039	0.014249
1e+13	15.23	15.415	15.616	0.19319	15.166	15.377	15.616	0.21846	-0.064	-0.03825	0	0.027702



Test Results (Upper Limit = 28.0 (Ohm))

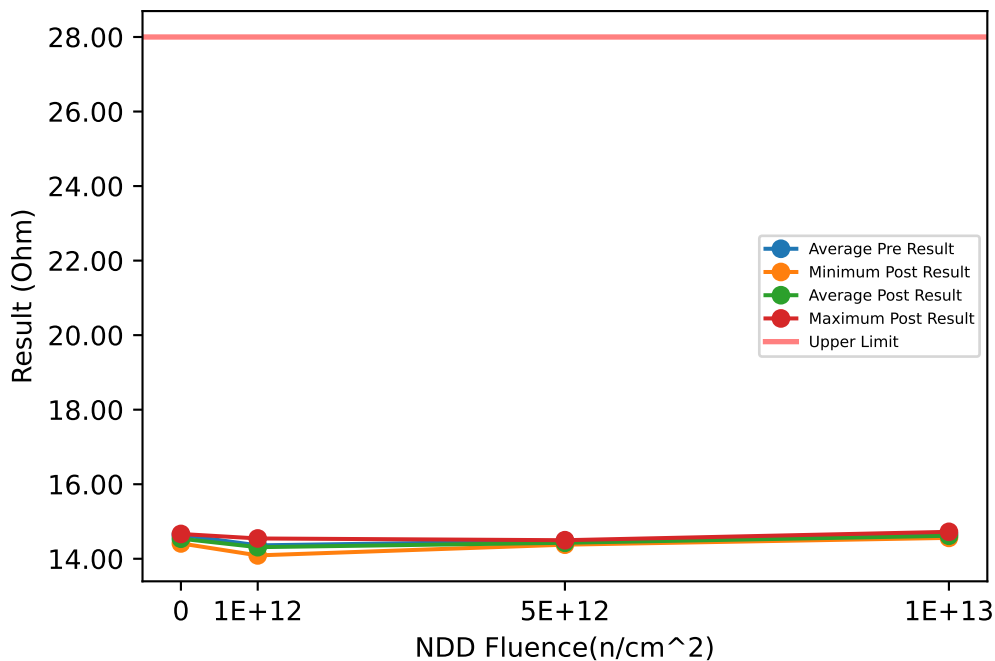
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.005	13.954	-0.05
2	1e+12	NDD Unbiased	14.05	13.995	-0.0547
3	1e+12	NDD Unbiased	14.612	14.575	-0.0375
4	1e+12	NDD Unbiased	14.265	14.239	-0.0266
5	5e+12	NDD Unbiased	14.218	14.176	-0.0421
6	5e+12	NDD Unbiased	14.247	14.215	-0.0313
7	5e+12	NDD Unbiased	14.428	14.376	-0.0515
8	5e+12	NDD Unbiased	14.401	14.323	-0.0781
9	1e+13	NDD Unbiased	14.415	14.357	-0.0578
10	1e+13	NDD Unbiased	14.534	14.484	-0.05
11	1e+13	NDD Unbiased	14.529	14.49	-0.039
12	1e+13	NDD Unbiased	14.632	14.612	-0.0203
53	0	Correlation	14.293	14.226	-0.0679
54	0	Correlation	14.668	14.628	-0.0398



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.293	14.481	14.668	0.26502	14.226	14.427	14.628	0.28489	-0.0679	-0.05385	-0.0398	0.01987
1e+12	14.005	14.233	14.612	0.27716	13.954	14.191	14.575	0.28499	-0.0547	-0.0422	-0.0266	0.012683
5e+12	14.218	14.323	14.428	0.10623	14.176	14.273	14.376	0.092808	-0.0781	-0.05075	-0.0313	0.020014
1e+13	14.415	14.528	14.632	0.088766	14.357	14.486	14.612	0.10398	-0.0578	-0.041775	-0.0203	0.016262

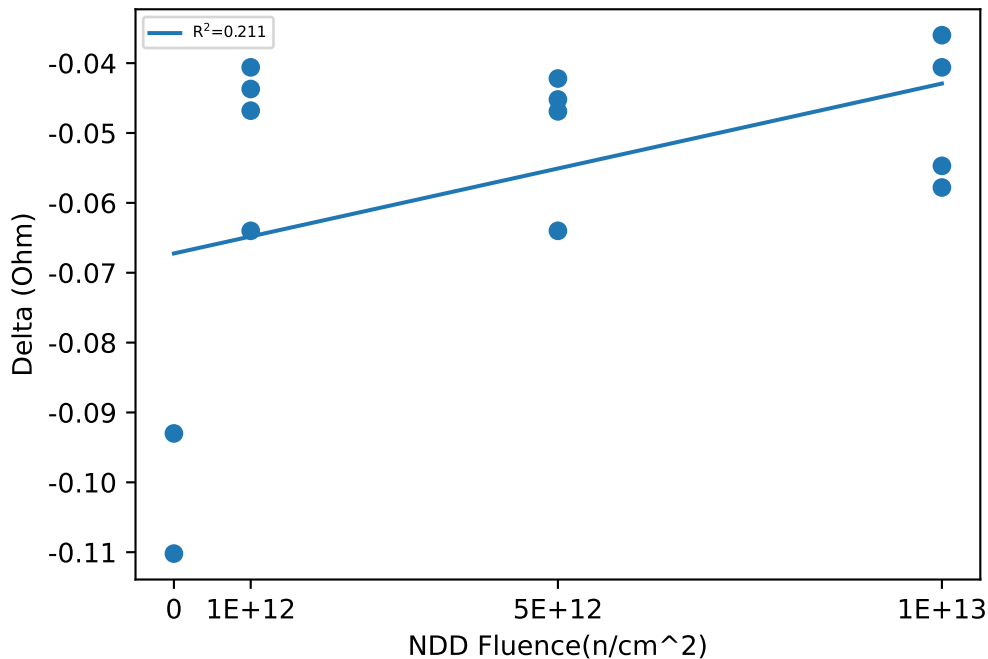
NDD vs Result Stats



Test Results (Upper Limit = 28.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	14.137	14.09	-0.0468
2	1e+12	NDD Unbiased	14.21	14.167	-0.0437
3	1e+12	NDD Unbiased	14.609	14.545	-0.064
4	1e+12	NDD Unbiased	14.482	14.442	-0.0406
5	5e+12	NDD Unbiased	14.429	14.384	-0.0452
6	5e+12	NDD Unbiased	14.42	14.378	-0.0422
7	5e+12	NDD Unbiased	14.545	14.498	-0.0469
8	5e+12	NDD Unbiased	14.52	14.456	-0.064
9	1e+13	NDD Unbiased	14.599	14.563	-0.036
10	1e+13	NDD Unbiased	14.618	14.56	-0.0578
11	1e+13	NDD Unbiased	14.676	14.621	-0.0547
12	1e+13	NDD Unbiased	14.763	14.723	-0.0406
53	0	Correlation	14.521	14.411	-0.1102
54	0	Correlation	14.759	14.666	-0.093

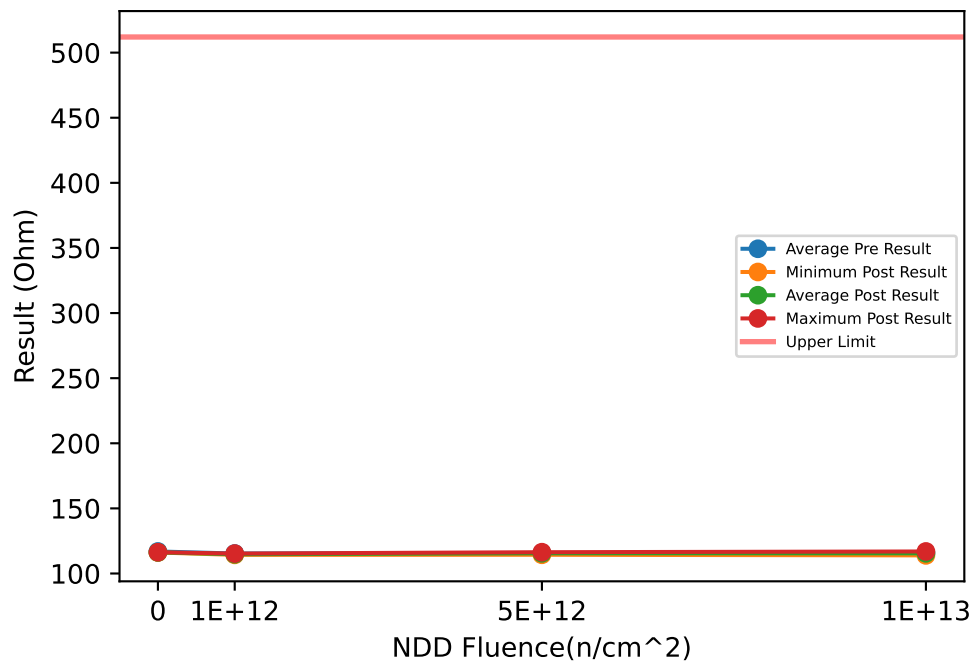
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.521	14.64	14.759	0.1678	14.411	14.538	14.666	0.17996	-0.1102	-0.1016	-0.093	0.012162
1e+12	14.137	14.36	14.609	0.22272	14.09	14.311	14.545	0.21693	-0.064	-0.048775	-0.0406	0.010461
5e+12	14.42	14.478	14.545	0.063155	14.378	14.429	14.498	0.058086	-0.064	-0.049575	-0.0422	0.009811
1e+13	14.599	14.664	14.763	0.07367	14.56	14.617	14.723	0.07589	-0.0578	-0.047275	-0.036	0.010608

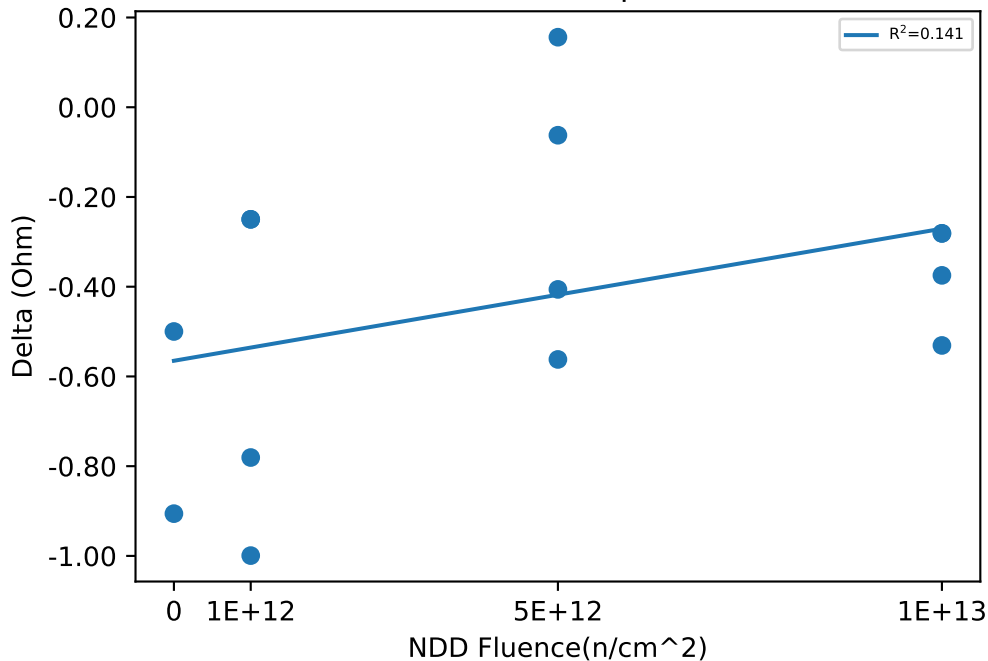
NDD vs Result Stats



Test Results (Upper Limit = 512.0 (Ohm))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	114.65	114.4	-0.2498
2	1e+12	NDD Unbiased	114.56	114.31	-0.2498
3	1e+12	NDD Unbiased	116.3	115.31	-0.9993
4	1e+12	NDD Unbiased	115.96	115.18	-0.7807
5	5e+12	NDD Unbiased	115.96	115.4	-0.5621
6	5e+12	NDD Unbiased	115.71	115.87	0.1561
7	5e+12	NDD Unbiased	116.43	116.37	-0.0624
8	5e+12	NDD Unbiased	114.77	114.37	-0.406
9	1e+13	NDD Unbiased	114.18	113.9	-0.2811
10	1e+13	NDD Unbiased	114.65	114.28	-0.3747
11	1e+13	NDD Unbiased	117.46	116.93	-0.5309
12	1e+13	NDD Unbiased	117.12	116.84	-0.2811
53	0	Correlation	117.24	116.34	-0.9058
54	0	Correlation	116.62	116.12	-0.4998

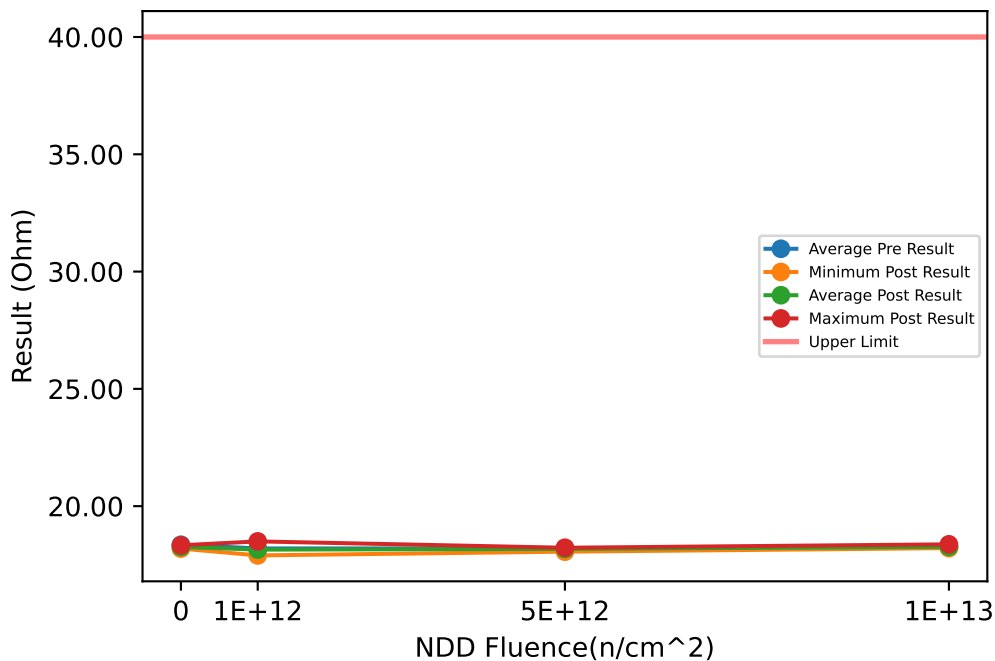
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	116.62	116.93	117.24	0.44166	116.12	116.23	116.34	0.15457	-0.9058	-0.7028	-0.4998	0.28709
1e+12	114.56	115.37	116.3	0.89534	114.31	114.8	115.31	0.51778	-0.9993	-0.5699	-0.2498	0.38024
5e+12	114.77	115.72	116.43	0.6966	114.37	115.5	116.37	0.85197	-0.5621	-0.2186	0.1561	0.32553
1e+13	114.18	115.85	117.46	1.6756	113.9	115.49	116.93	1.6214	-0.5309	-0.36695	-0.2811	0.11787

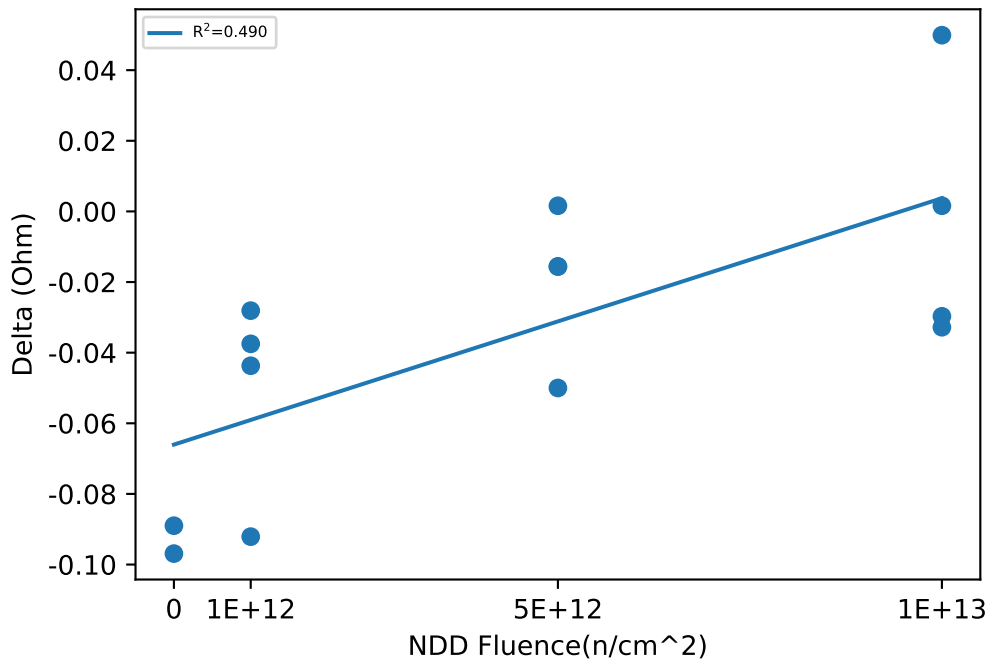
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.977	17.949	-0.0281
2	1e+12	NDD Unbiased	17.938	17.901	-0.0375
3	1e+12	NDD Unbiased	18.589	18.497	-0.0921
4	1e+12	NDD Unbiased	18.283	18.24	-0.0437
5	5e+12	NDD Unbiased	18.277	18.227	-0.05
6	5e+12	NDD Unbiased	18.213	18.197	-0.0156
7	5e+12	NDD Unbiased	18.058	18.06	0.0016
8	5e+12	NDD Unbiased	18.243	18.227	-0.0156
9	1e+13	NDD Unbiased	18.268	18.238	-0.0297
10	1e+13	NDD Unbiased	18.322	18.372	0.0499
11	1e+13	NDD Unbiased	18.246	18.247	0.0016
12	1e+13	NDD Unbiased	18.243	18.21	-0.0328
53	0	Correlation	18.429	18.332	-0.0969
54	0	Correlation	18.28	18.191	-0.089

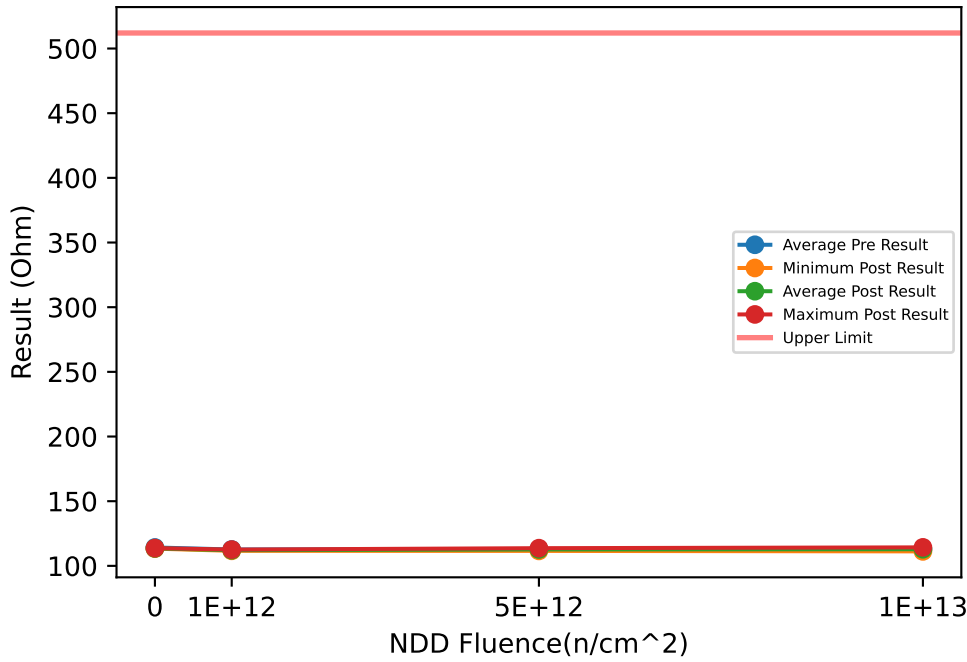
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.28	18.354	18.429	0.10493	18.191	18.261	18.332	0.099349	-0.0969	-0.09295	-0.089	0.0055861
1e+12	17.938	18.197	18.589	0.30371	17.901	18.147	18.497	0.27756	-0.0921	-0.05035	-0.0281	0.028563
5e+12	18.058	18.198	18.277	0.096554	18.06	18.178	18.227	0.079837	-0.05	-0.0199	0.0016	0.021643
1e+13	18.243	18.27	18.322	0.036885	18.21	18.267	18.372	0.07205	-0.0328	-0.00275	0.0499	0.038385

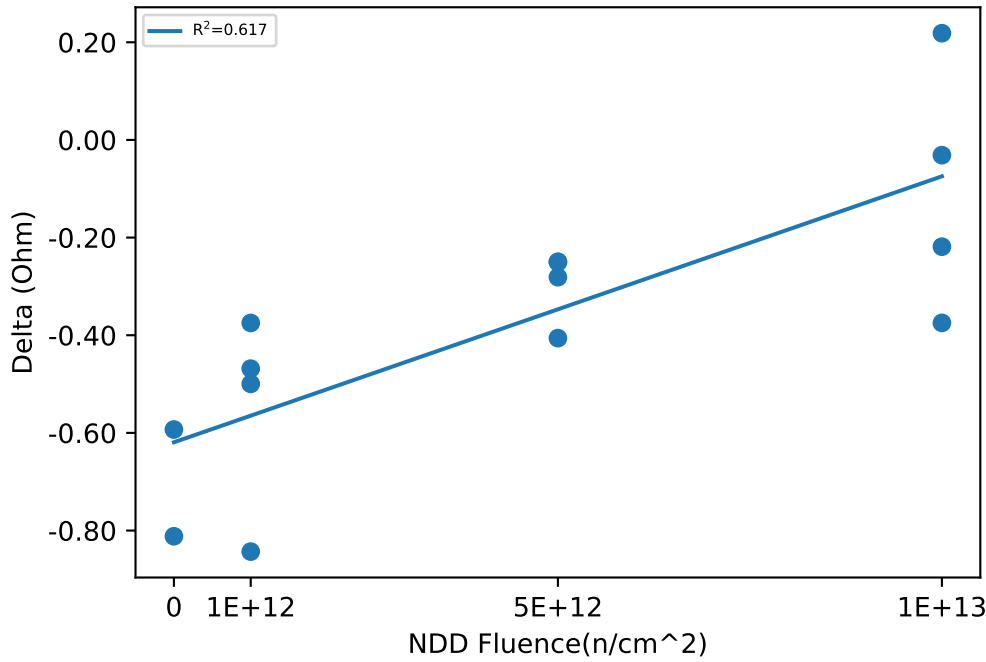
NDD vs Result Stats



Test Results (Upper Limit = 512.0 (Ohm))

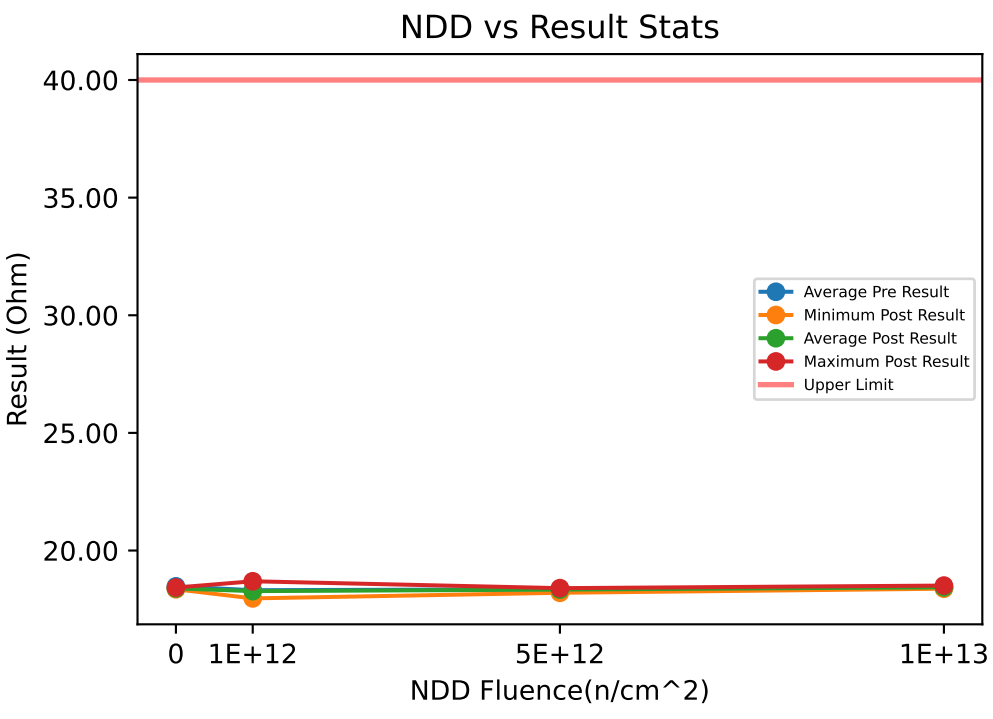
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	112.31	111.81	-0.4996
2	1e+12	NDD Unbiased	112.09	111.62	-0.4684
3	1e+12	NDD Unbiased	113.28	112.43	-0.8431
4	1e+12	NDD Unbiased	112.96	112.59	-0.3748
5	5e+12	NDD Unbiased	112.9	112.65	-0.2498
6	5e+12	NDD Unbiased	113.09	112.81	-0.2811
7	5e+12	NDD Unbiased	113.93	113.68	-0.2498
8	5e+12	NDD Unbiased	111.96	111.56	-0.4059
9	1e+13	NDD Unbiased	111.4	111.18	-0.2186
10	1e+13	NDD Unbiased	111.87	111.84	-0.0312
11	1e+13	NDD Unbiased	114.43	114.06	-0.3747
12	1e+13	NDD Unbiased	114.09	114.31	0.2186
53	0	Correlation	114.34	113.74	-0.5931
54	0	Correlation	114.12	113.31	-0.8117

NDD vs Post - Pre Exposure Delta



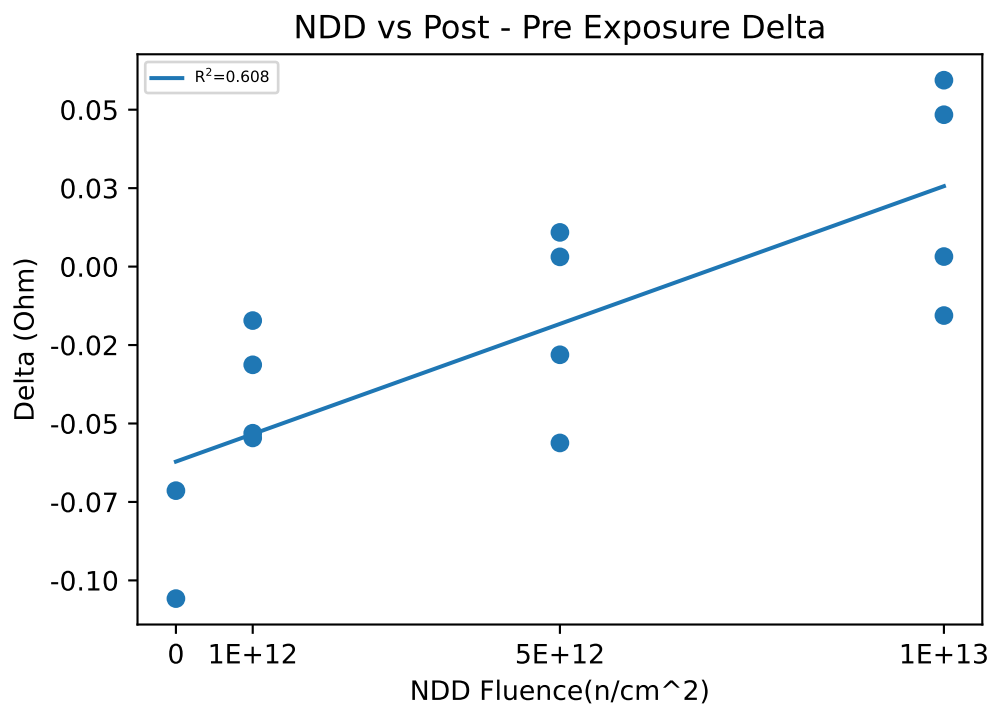
Test Statistics (Ohm)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	114.12	114.23	114.34	0.15457	113.31	113.53	113.74	0.30915	-0.8117	-0.7024	-0.5931	0.15457
1e+12	112.09	112.66	113.28	0.5542	111.62	112.11	112.59	0.47043	-0.8431	-0.54647	-0.3748	0.20474
5e+12	111.96	112.97	113.93	0.80728	111.56	112.67	113.68	0.87154	-0.4059	-0.29665	-0.2498	0.074313
1e+13	111.4	112.95	114.43	1.533	111.18	112.85	114.31	1.568	-0.3747	-0.10147	0.2186	0.25545



Test Results (Upper Limit = 40.0 (Ohm))

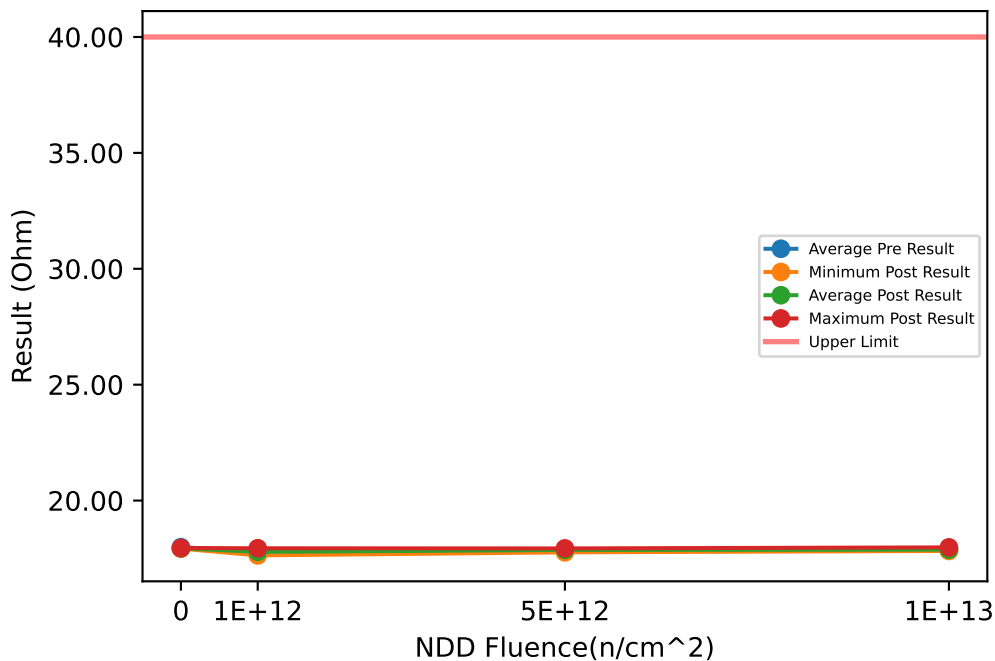
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	18.129	18.098	-0.0313
2	1e+12	NDD Unbiased	18.018	17.965	-0.0531
3	1e+12	NDD Unbiased	18.71	18.693	-0.0172
4	1e+12	NDD Unbiased	18.395	18.34	-0.0546
5	5e+12	NDD Unbiased	18.44	18.384	-0.0562
6	5e+12	NDD Unbiased	18.429	18.401	-0.0281
7	5e+12	NDD Unbiased	18.193	18.204	0.0109
8	5e+12	NDD Unbiased	18.363	18.366	0.0031
9	1e+13	NDD Unbiased	18.371	18.431	0.0594
10	1e+13	NDD Unbiased	18.462	18.51	0.0484
11	1e+13	NDD Unbiased	18.393	18.378	-0.0156
12	1e+13	NDD Unbiased	18.427	18.431	0.0032
53	0	Correlation	18.532	18.426	-0.1058
54	0	Correlation	18.424	18.353	-0.0714



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.424	18.478	18.532	0.076226	18.353	18.39	18.426	0.051902	-0.1058	-0.0886	-0.0714	0.024324
1e+12	18.018	18.313	18.71	0.30821	17.965	18.274	18.693	0.31948	-0.0546	-0.03905	-0.0172	0.018043
5e+12	18.193	18.356	18.44	0.11391	18.204	18.339	18.401	0.090892	-0.0562	-0.017575	0.0109	0.030773
1e+13	18.371	18.413	18.462	0.039714	18.378	18.437	18.51	0.054712	-0.0156	0.02385	0.0594	0.03582

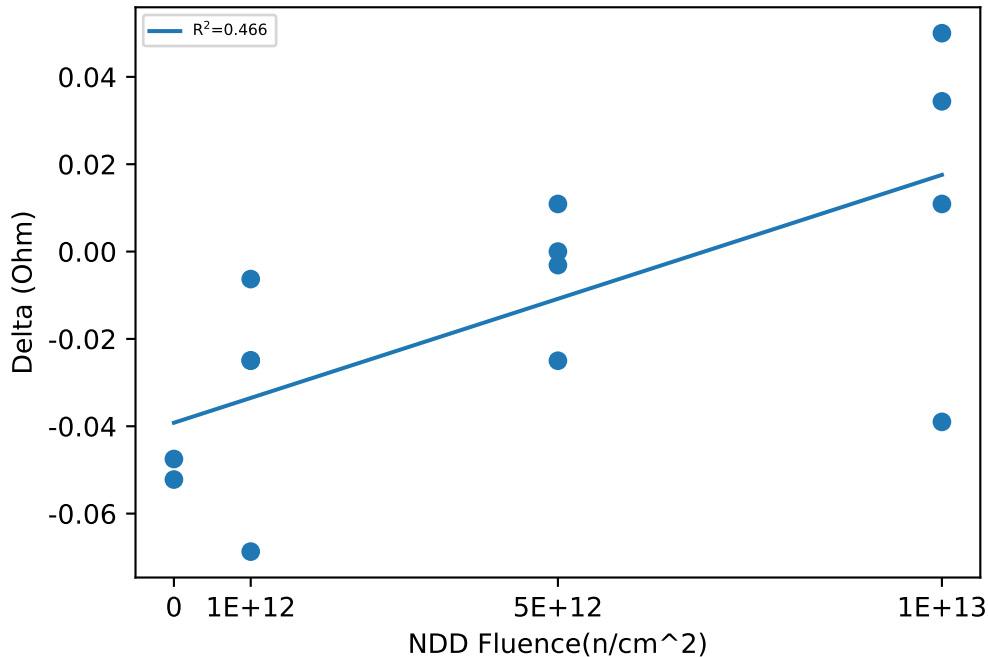
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.659	17.634	-0.0249
2	1e+12	NDD Unbiased	17.678	17.653	-0.025
3	1e+12	NDD Unbiased	18.011	17.942	-0.0687
4	1e+12	NDD Unbiased	17.917	17.911	-0.0063
5	5e+12	NDD Unbiased	17.939	17.936	-0.0031
6	5e+12	NDD Unbiased	17.915	17.89	-0.025
7	5e+12	NDD Unbiased	17.765	17.765	0
8	5e+12	NDD Unbiased	17.875	17.886	0.0109
9	1e+13	NDD Unbiased	17.865	17.826	-0.039
10	1e+13	NDD Unbiased	17.947	17.981	0.0344
11	1e+13	NDD Unbiased	17.815	17.826	0.0109
12	1e+13	NDD Unbiased	17.85	17.9	0.05
53	0	Correlation	18.006	17.954	-0.0522
54	0	Correlation	17.973	17.926	-0.0475

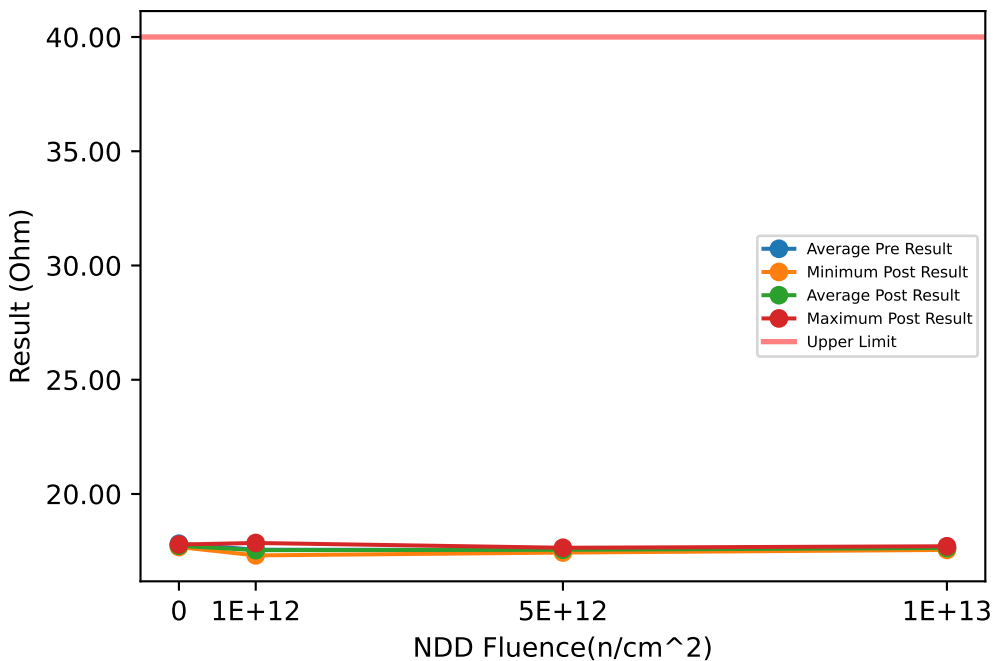
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.973	17.989	18.006	0.023193	17.926	17.94	17.954	0.01987	-0.0522	-0.04985	-0.0475	0.0033234
1e+12	17.659	17.816	18.011	0.17478	17.634	17.785	17.942	0.1638	-0.0687	-0.031225	-0.0063	0.026485
5e+12	17.765	17.874	17.939	0.07678	17.765	17.869	17.936	0.072796	-0.025	-0.0043	0.0109	0.015049
1e+13	17.815	17.869	17.947	0.055573	17.826	17.883	17.981	0.073695	-0.039	0.014075	0.05	0.038862

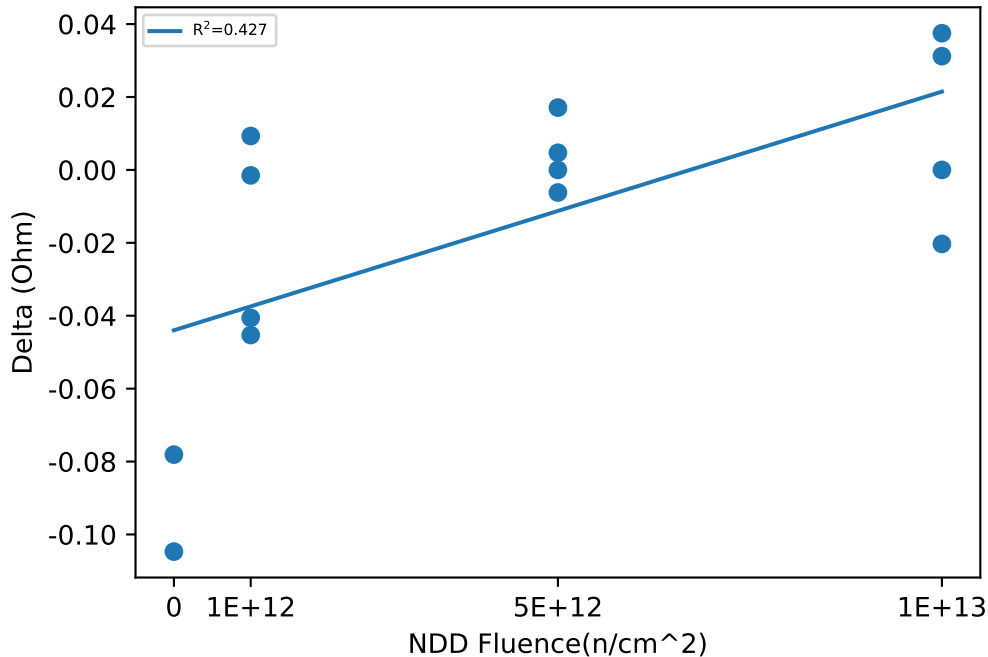
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.358	17.313	-0.0453
2	1e+12	NDD Unbiased	17.394	17.392	-0.0015
3	1e+12	NDD Unbiased	17.897	17.856	-0.0406
4	1e+12	NDD Unbiased	17.591	17.6	0.0093
5	5e+12	NDD Unbiased	17.608	17.613	0.0047
6	5e+12	NDD Unbiased	17.522	17.539	0.0171
7	5e+12	NDD Unbiased	17.442	17.436	-0.0062
8	5e+12	NDD Unbiased	17.647	17.647	0
9	1e+13	NDD Unbiased	17.602	17.639	0.0375
10	1e+13	NDD Unbiased	17.733	17.712	-0.0203
11	1e+13	NDD Unbiased	17.552	17.552	0
12	1e+13	NDD Unbiased	17.606	17.637	0.0312
53	0	Correlation	17.783	17.678	-0.1047
54	0	Correlation	17.867	17.789	-0.0781

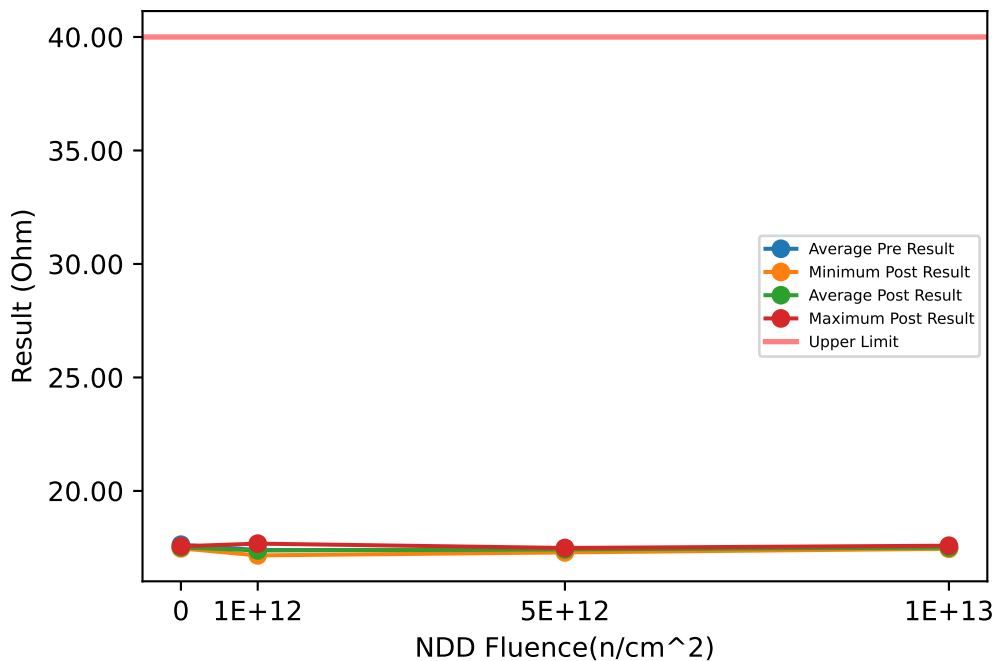
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.783	17.825	17.867	0.059609	17.678	17.733	17.789	0.078418	-0.1047	-0.0914	-0.0781	0.018809
1e+12	17.358	17.56	17.897	0.24678	17.313	17.54	17.856	0.24288	-0.0453	-0.019525	0.0093	0.027473
5e+12	17.442	17.555	17.647	0.09133	17.436	17.559	17.647	0.093253	-0.0062	0.0039	0.0171	0.0098675
1e+13	17.552	17.623	17.733	0.077224	17.552	17.635	17.712	0.065789	-0.0203	0.0121	0.0375	0.027118

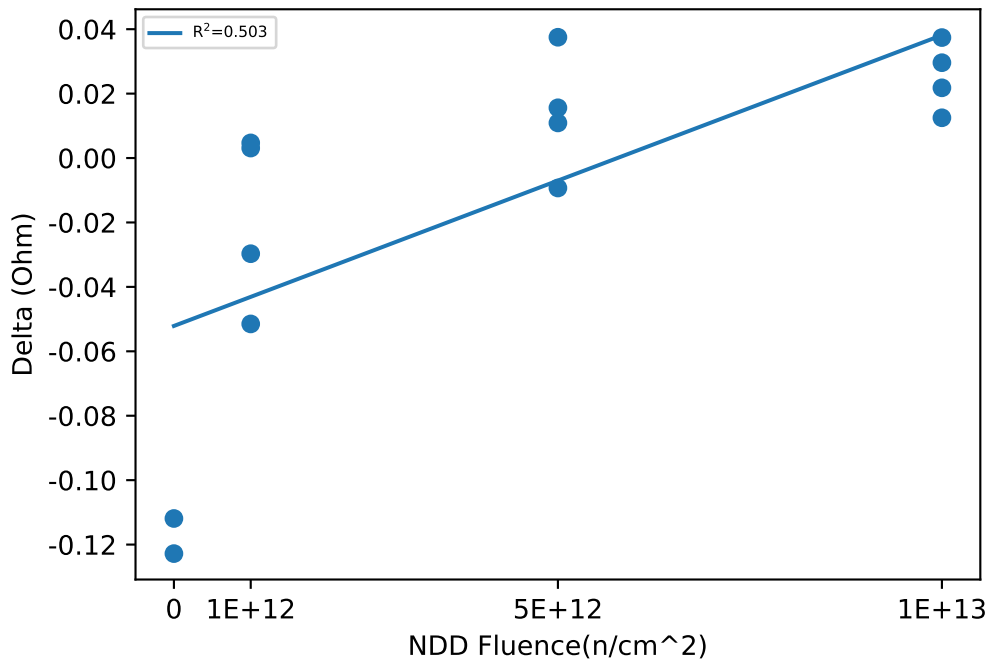
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ohm))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	17.19	17.16	-0.0297
2	1e+12	NDD Unbiased	17.264	17.212	-0.0515
3	1e+12	NDD Unbiased	17.674	17.679	0.0047
4	1e+12	NDD Unbiased	17.452	17.456	0.0031
5	5e+12	NDD Unbiased	17.451	17.488	0.0375
6	5e+12	NDD Unbiased	17.415	17.426	0.0109
7	5e+12	NDD Unbiased	17.276	17.292	0.0156
8	5e+12	NDD Unbiased	17.491	17.482	-0.0093
9	1e+13	NDD Unbiased	17.429	17.451	0.0218
10	1e+13	NDD Unbiased	17.576	17.588	0.0125
11	1e+13	NDD Unbiased	17.442	17.471	0.0296
12	1e+13	NDD Unbiased	17.477	17.515	0.0374
53	0	Correlation	17.593	17.47	-0.1228
54	0	Correlation	17.674	17.562	-0.1119

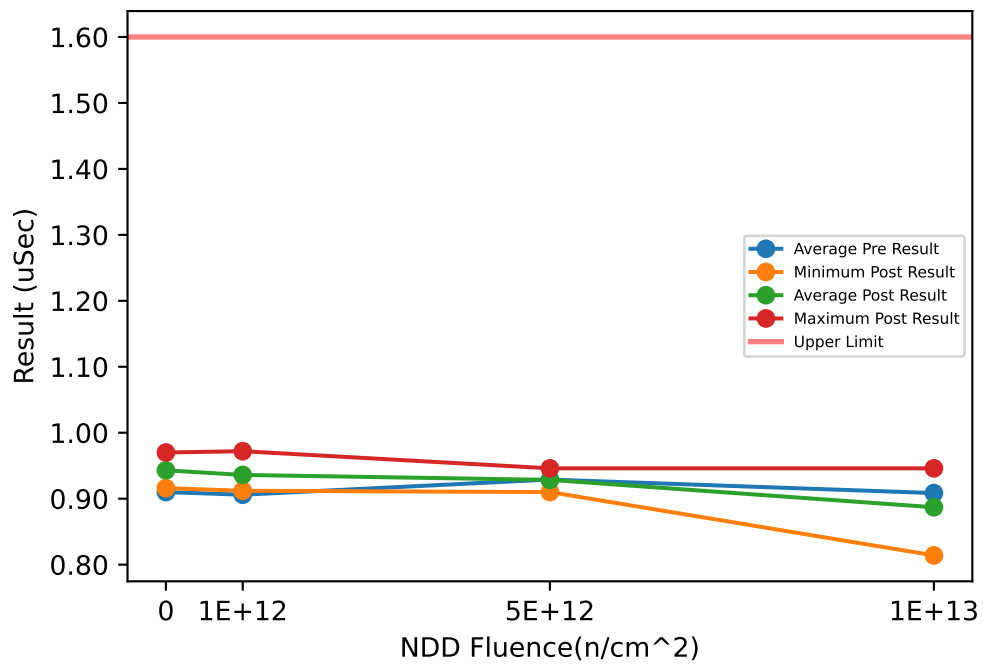
NDD vs Post - Pre Exposure Delta



Test Statistics (Ohm)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	17.593	17.633	17.674	0.057417	17.47	17.516	17.562	0.065125	-0.1228	-0.11735	-0.1119	0.0077075
1e+12	17.19	17.395	17.674	0.21639	17.16	17.377	17.679	0.23902	-0.0515	-0.01835	0.0047	0.027198
5e+12	17.276	17.408	17.491	0.093557	17.292	17.422	17.488	0.091335	-0.0093	0.013675	0.0375	0.019208
1e+13	17.429	17.481	17.576	0.066446	17.451	17.506	17.588	0.060825	0.0125	0.025325	0.0374	0.010661

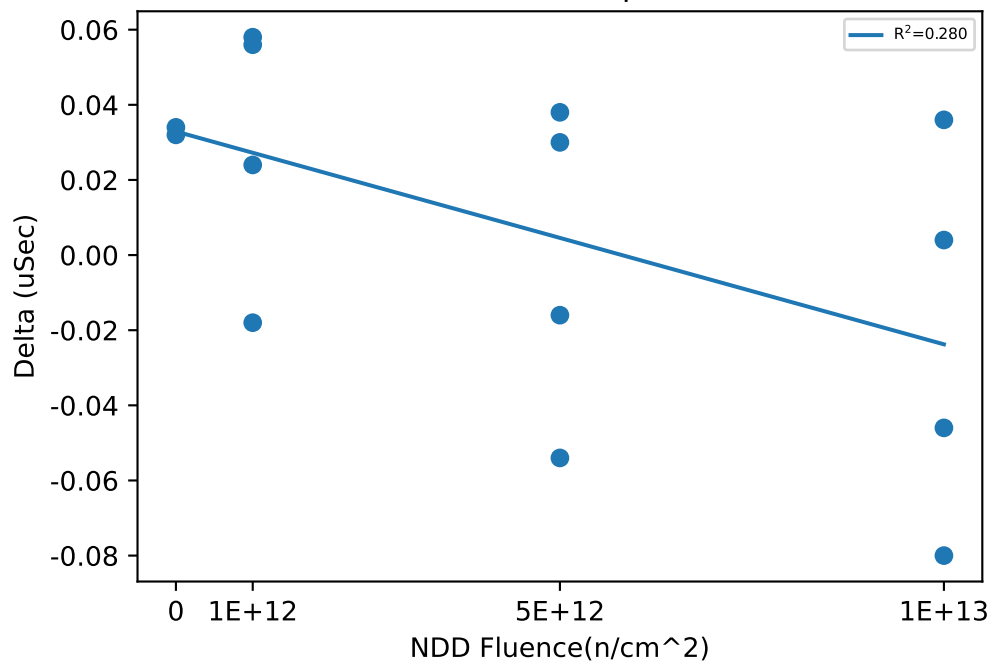
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.93	0.912	-0.018
2	1e+12	NDD Unbiased	0.914	0.972	0.058
3	1e+12	NDD Unbiased	0.91	0.934	0.024
4	1e+12	NDD Unbiased	0.87	0.926	0.056
5	5e+12	NDD Unbiased	0.89	0.92	0.03
6	5e+12	NDD Unbiased	0.908	0.946	0.038
7	5e+12	NDD Unbiased	0.926	0.91	-0.016
8	5e+12	NDD Unbiased	0.992	0.938	-0.054
9	1e+13	NDD Unbiased	0.906	0.91	0.004
10	1e+13	NDD Unbiased	0.91	0.946	0.036
11	1e+13	NDD Unbiased	0.894	0.814	-0.08
12	1e+13	NDD Unbiased	0.924	0.878	-0.046
53	0	Correlation	0.882	0.916	0.034
54	0	Correlation	0.938	0.97	0.032

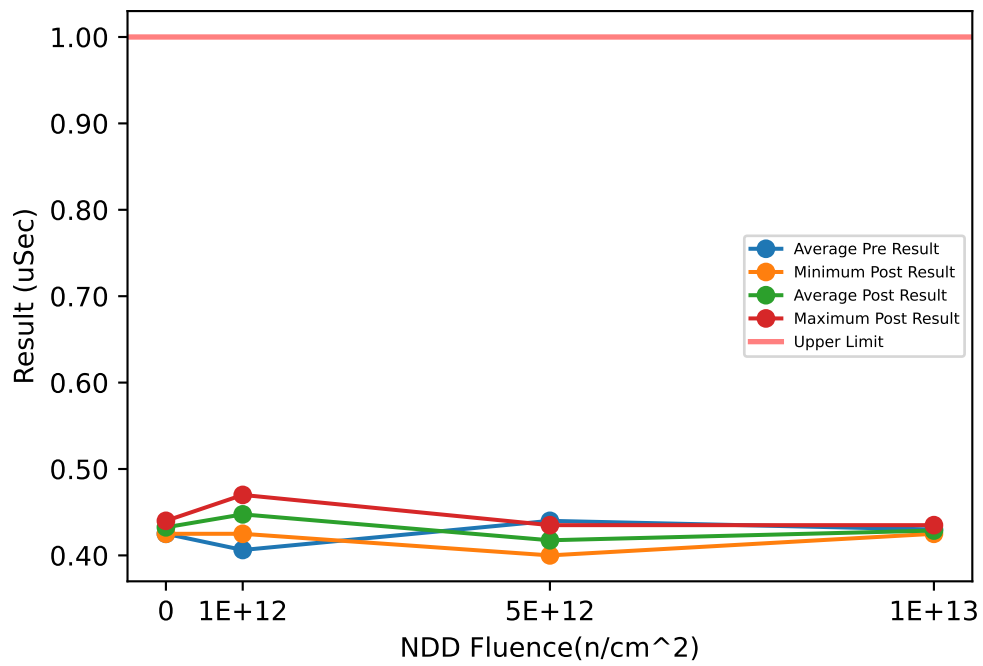
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.882	0.91	0.938	0.039598	0.916	0.943	0.97	0.038184	0.032	0.033	0.034	0.0014142
1e+12	0.87	0.906	0.93	0.025508	0.912	0.936	0.972	0.025665	-0.018	0.03	0.058	0.03559
5e+12	0.89	0.929	0.992	0.044497	0.91	0.9285	0.946	0.016442	-0.054	-0.0005	0.038	0.042876
1e+13	0.894	0.9085	0.924	0.012369	0.814	0.887	0.946	0.056036	-0.08	-0.0215	0.036	0.051572

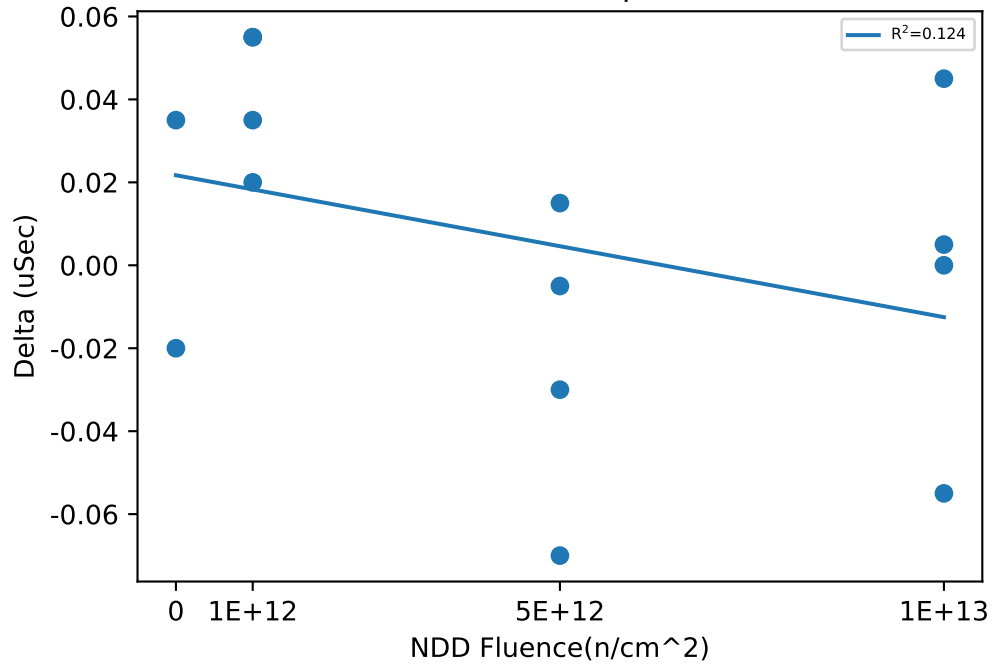
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.42	0.44	0.02
2	1e+12	NDD Unbiased	0.4	0.455	0.055
3	1e+12	NDD Unbiased	0.415	0.47	0.055
4	1e+12	NDD Unbiased	0.39	0.425	0.035
5	5e+12	NDD Unbiased	0.42	0.435	0.015
6	5e+12	NDD Unbiased	0.425	0.42	-0.005
7	5e+12	NDD Unbiased	0.47	0.4	-0.07
8	5e+12	NDD Unbiased	0.445	0.415	-0.03
9	1e+13	NDD Unbiased	0.48	0.425	-0.055
10	1e+13	NDD Unbiased	0.42	0.425	0.005
11	1e+13	NDD Unbiased	0.385	0.43	0.045
12	1e+13	NDD Unbiased	0.435	0.435	0
53	0	Correlation	0.39	0.425	0.035
54	0	Correlation	0.46	0.44	-0.02

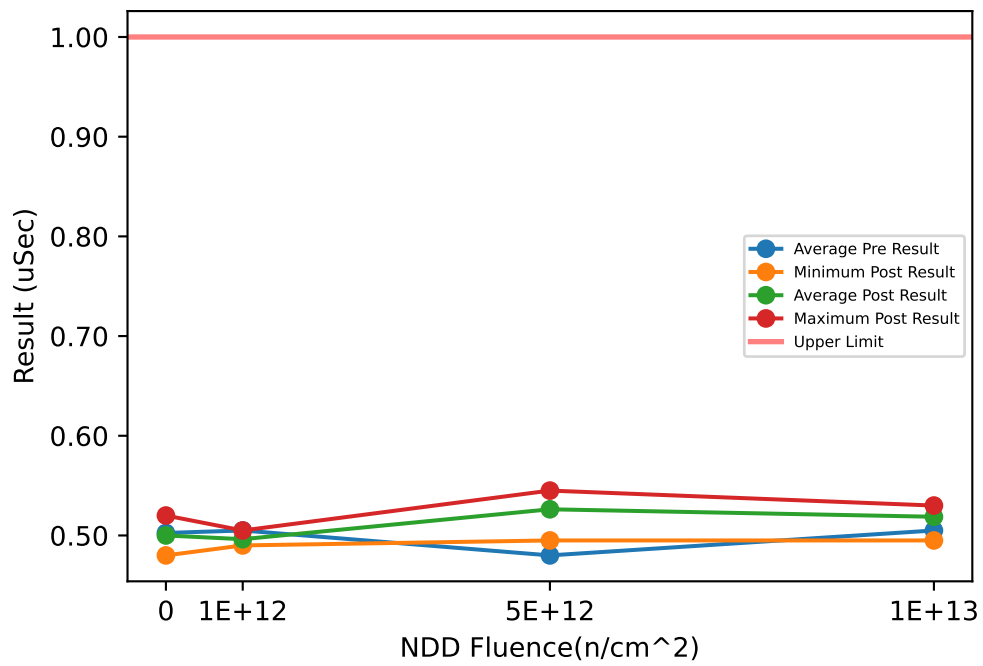
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.39	0.425	0.46	0.049497	0.425	0.4325	0.44	0.010607	-0.02	0.0075	0.035	0.038891
1e+12	0.39	0.40625	0.42	0.013769	0.425	0.4475	0.47	0.019365	0.02	0.04125	0.055	0.017017
5e+12	0.42	0.44	0.47	0.02273	0.4	0.4175	0.435	0.014434	-0.07	-0.0225	0.015	0.036629
1e+13	0.385	0.43	0.48	0.03937	0.425	0.42875	0.435	0.0047871	-0.055	-0.00125	0.045	0.041105

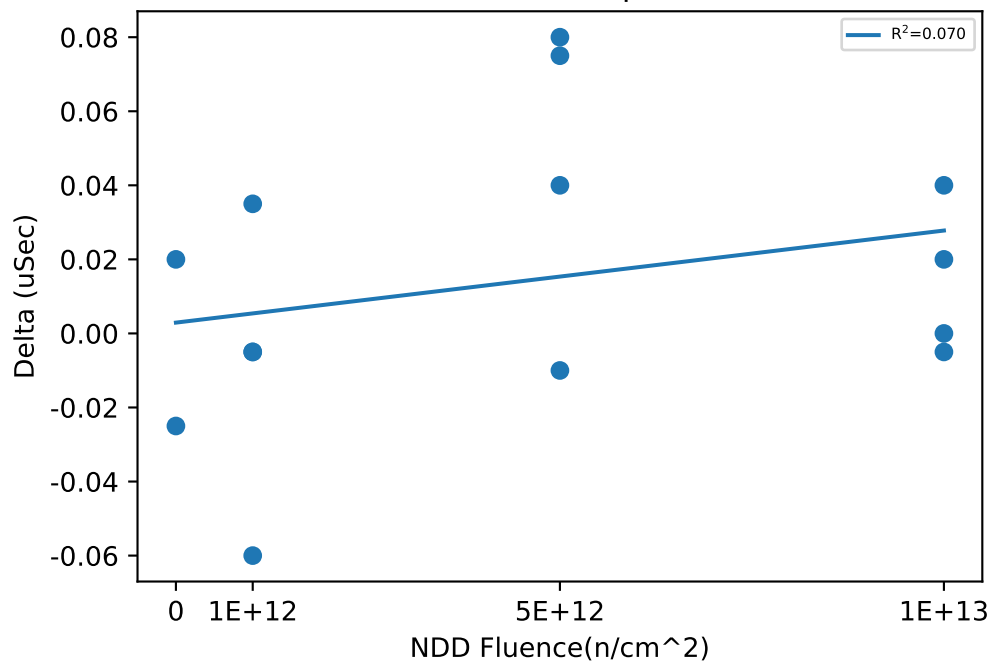
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.51	0.505	-0.005
2	1e+12	NDD Unbiased	0.555	0.495	-0.06
3	1e+12	NDD Unbiased	0.455	0.49	0.035
4	1e+12	NDD Unbiased	0.5	0.495	-0.005
5	5e+12	NDD Unbiased	0.465	0.545	0.08
6	5e+12	NDD Unbiased	0.505	0.495	-0.01
7	5e+12	NDD Unbiased	0.455	0.53	0.075
8	5e+12	NDD Unbiased	0.495	0.535	0.04
9	1e+13	NDD Unbiased	0.49	0.53	0.04
10	1e+13	NDD Unbiased	0.5	0.52	0.02
11	1e+13	NDD Unbiased	0.535	0.53	-0.005
12	1e+13	NDD Unbiased	0.495	0.495	0
53	0	Correlation	0.505	0.48	-0.025
54	0	Correlation	0.5	0.52	0.02

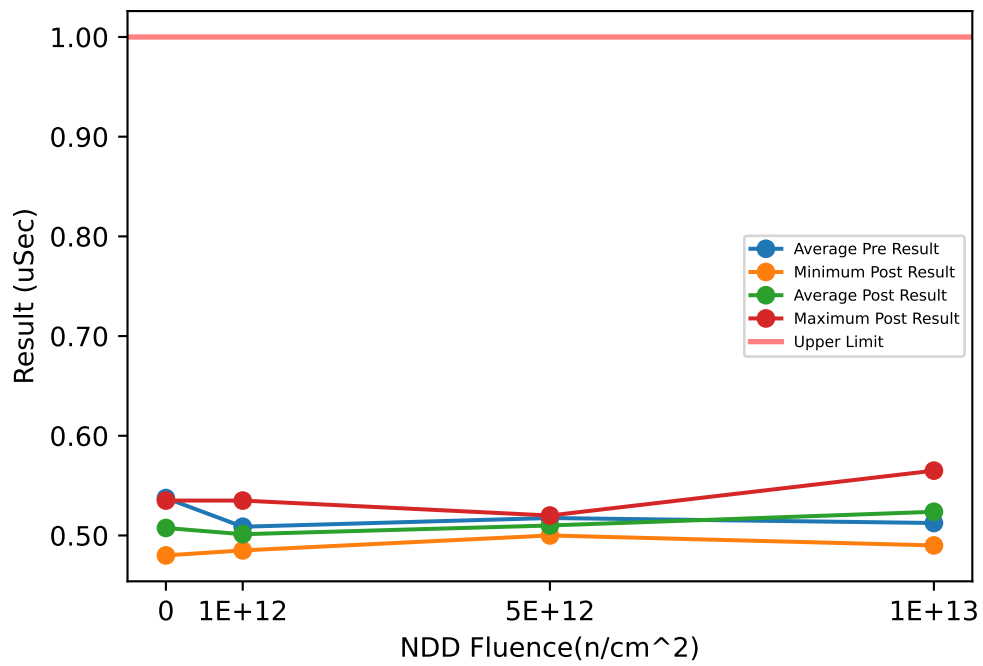
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5	0.5025	0.505	0.0035355	0.48	0.5	0.52	0.028284	-0.025	-0.0025	0.02	0.03182
1e+12	0.455	0.505	0.555	0.041028	0.49	0.49625	0.505	0.0062915	-0.06	-0.00875	0.035	0.039025
5e+12	0.455	0.48	0.505	0.023805	0.495	0.52625	0.545	0.021747	-0.01	0.04625	0.08	0.041508
1e+13	0.49	0.505	0.535	0.020412	0.495	0.51875	0.53	0.01652	-0.005	0.01375	0.04	0.020565

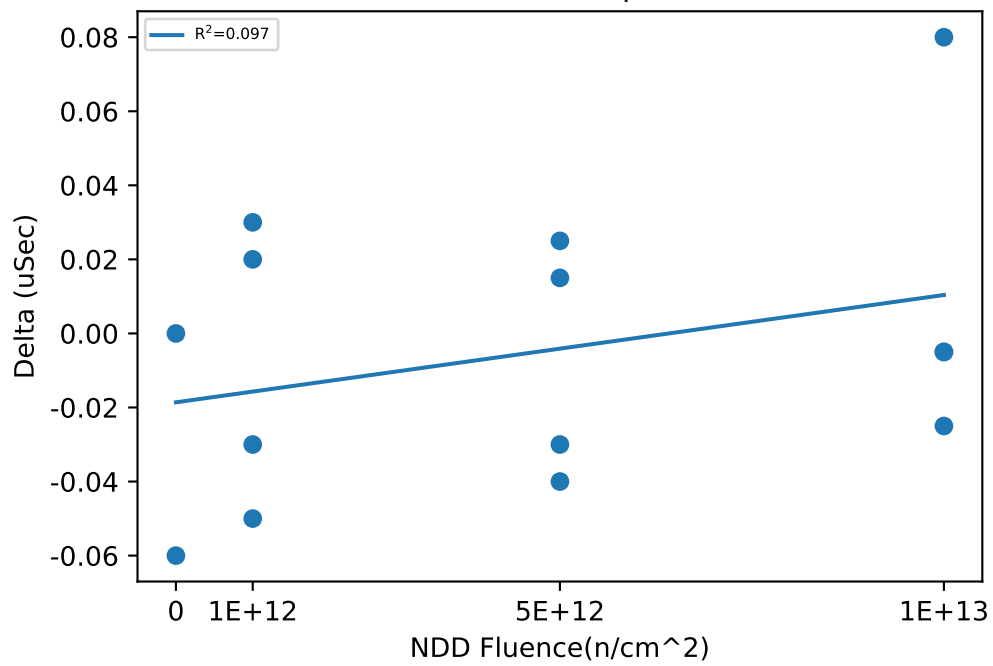
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.535	0.485	-0.05
2	1e+12	NDD Unbiased	0.505	0.535	0.03
3	1e+12	NDD Unbiased	0.52	0.49	-0.03
4	1e+12	NDD Unbiased	0.475	0.495	0.02
5	5e+12	NDD Unbiased	0.54	0.5	-0.04
6	5e+12	NDD Unbiased	0.505	0.52	0.015
7	5e+12	NDD Unbiased	0.545	0.515	-0.03
8	5e+12	NDD Unbiased	0.48	0.505	0.025
9	1e+13	NDD Unbiased	0.485	0.565	0.08
10	1e+13	NDD Unbiased	0.54	0.515	-0.025
11	1e+13	NDD Unbiased	0.495	0.49	-0.005
12	1e+13	NDD Unbiased	0.53	0.525	-0.005
53	0	Correlation	0.54	0.48	-0.06
54	0	Correlation	0.535	0.535	0

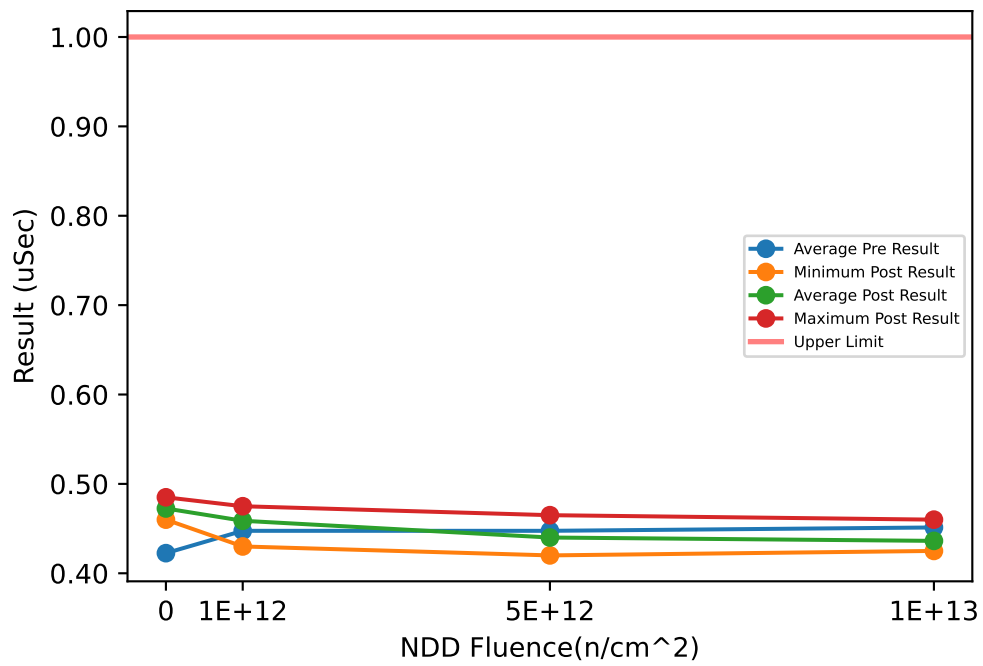
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.535	0.5375	0.54	0.0035355	0.48	0.5075	0.535	0.038891	-0.06	-0.03	0	0.042426
1e+12	0.475	0.50875	0.535	0.025617	0.485	0.50125	0.535	0.022867	-0.05	-0.0075	0.03	0.038622
5e+12	0.48	0.5175	0.545	0.030687	0.5	0.51	0.52	0.0091287	-0.04	-0.0075	0.025	0.032275
1e+13	0.485	0.5125	0.54	0.026615	0.49	0.52375	0.565	0.031192	-0.025	0.01125	0.08	0.046793

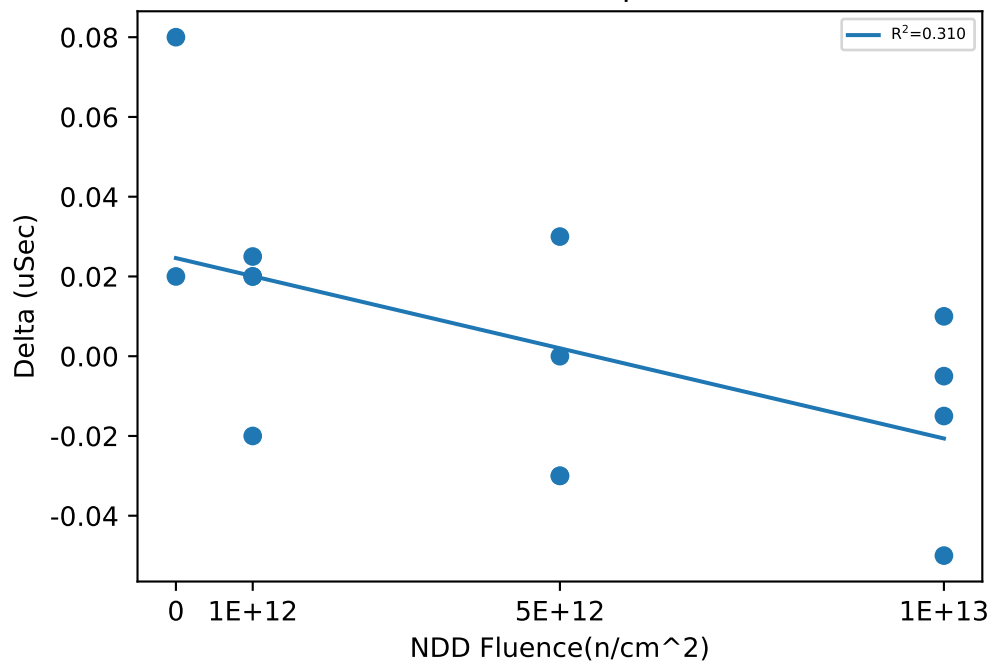
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.44	0.46	0.02
2	1e+12	NDD Unbiased	0.45	0.43	-0.02
3	1e+12	NDD Unbiased	0.445	0.47	0.025
4	1e+12	NDD Unbiased	0.455	0.475	0.02
5	5e+12	NDD Unbiased	0.465	0.435	-0.03
6	5e+12	NDD Unbiased	0.45	0.42	-0.03
7	5e+12	NDD Unbiased	0.44	0.44	0
8	5e+12	NDD Unbiased	0.435	0.465	0.03
9	1e+13	NDD Unbiased	0.43	0.425	-0.005
10	1e+13	NDD Unbiased	0.44	0.425	-0.015
11	1e+13	NDD Unbiased	0.485	0.435	-0.05
12	1e+13	NDD Unbiased	0.45	0.46	0.01
53	0	Correlation	0.44	0.46	0.02
54	0	Correlation	0.405	0.485	0.08

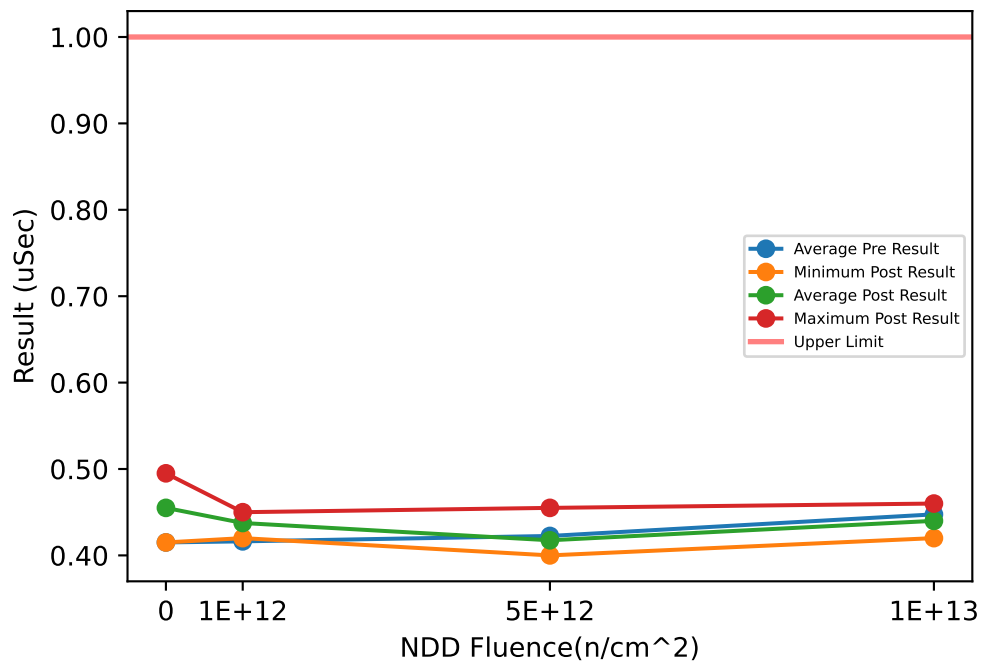
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.405	0.4225	0.44	0.024749	0.46	0.4725	0.485	0.017678	0.02	0.05	0.08	0.042426
1e+12	0.44	0.4475	0.455	0.006455	0.43	0.45875	0.475	0.020156	-0.02	0.01125	0.025	0.020966
5e+12	0.435	0.4475	0.465	0.013229	0.42	0.44	0.465	0.018708	-0.03	-0.0075	0.03	0.028723
1e+13	0.43	0.45125	0.485	0.023936	0.425	0.43625	0.46	0.01652	-0.05	-0.015	0.01	0.025495

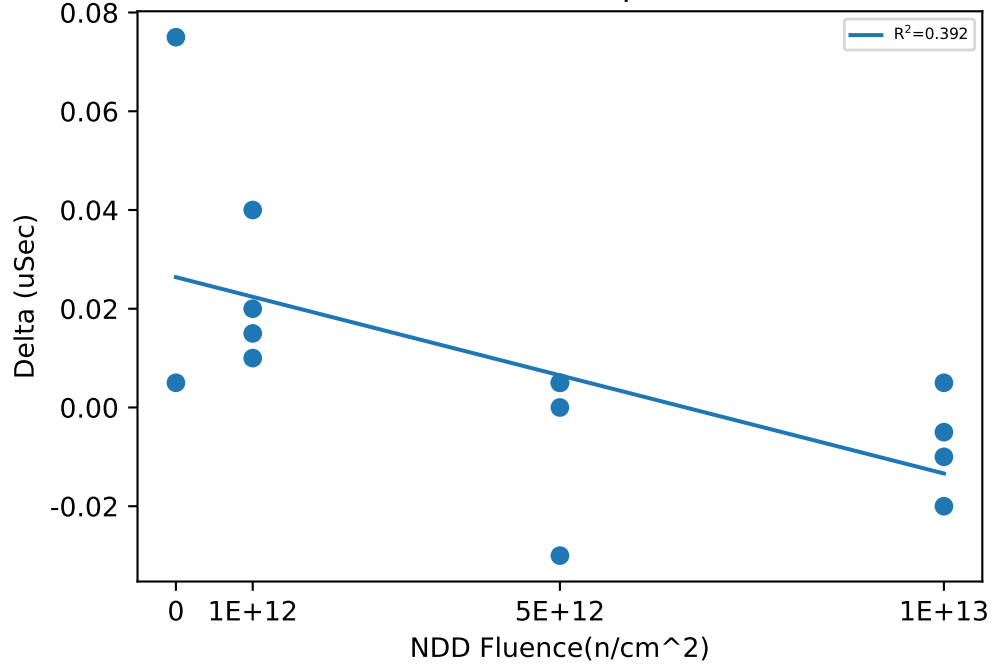
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.415	0.435	0.02
2	1e+12	NDD Unbiased	0.43	0.445	0.015
3	1e+12	NDD Unbiased	0.41	0.45	0.04
4	1e+12	NDD Unbiased	0.41	0.42	0.01
5	5e+12	NDD Unbiased	0.455	0.455	0
6	5e+12	NDD Unbiased	0.405	0.41	0.005
7	5e+12	NDD Unbiased	0.395	0.4	0.005
8	5e+12	NDD Unbiased	0.435	0.405	-0.03
9	1e+13	NDD Unbiased	0.445	0.435	-0.01
10	1e+13	NDD Unbiased	0.44	0.42	-0.02
11	1e+13	NDD Unbiased	0.44	0.445	0.005
12	1e+13	NDD Unbiased	0.465	0.46	-0.005
53	0	Correlation	0.41	0.415	0.005
54	0	Correlation	0.42	0.495	0.075

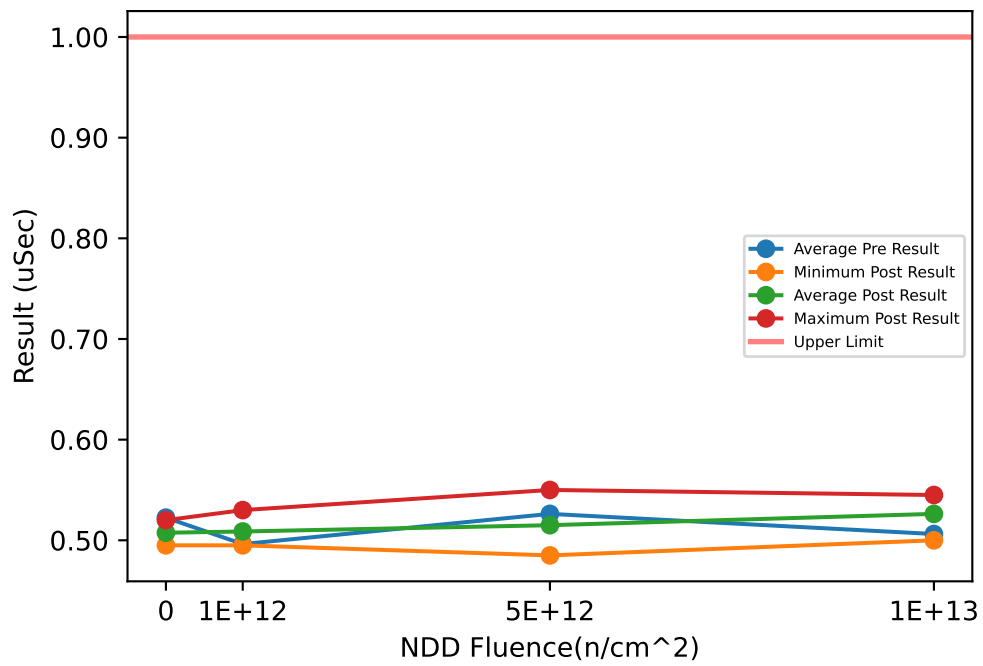
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.41	0.415	0.42	0.0070711	0.415	0.455	0.495	0.056569	0.005	0.04	0.075	0.049497
1e+12	0.41	0.41625	0.43	0.0094648	0.42	0.4375	0.45	0.013229	0.01	0.02125	0.04	0.01315
5e+12	0.395	0.4225	0.455	0.027538	0.4	0.4175	0.455	0.025331	-0.03	-0.005	0.005	0.016833
1e+13	0.44	0.4475	0.465	0.011902	0.42	0.44	0.46	0.016833	-0.02	-0.0075	0.005	0.010408

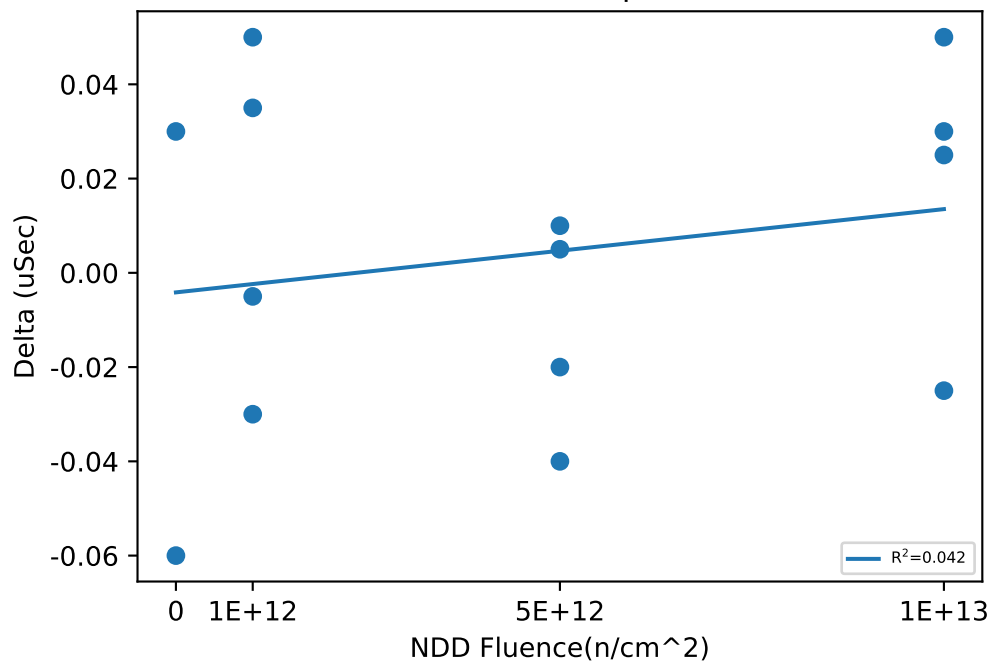
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.495	0.53	0.035
2	1e+12	NDD Unbiased	0.46	0.51	0.05
3	1e+12	NDD Unbiased	0.5	0.495	-0.005
4	1e+12	NDD Unbiased	0.53	0.5	-0.03
5	5e+12	NDD Unbiased	0.525	0.485	-0.04
6	5e+12	NDD Unbiased	0.52	0.525	0.005
7	5e+12	NDD Unbiased	0.52	0.5	-0.02
8	5e+12	NDD Unbiased	0.54	0.55	0.01
9	1e+13	NDD Unbiased	0.525	0.5	-0.025
10	1e+13	NDD Unbiased	0.5	0.525	0.025
11	1e+13	NDD Unbiased	0.495	0.545	0.05
12	1e+13	NDD Unbiased	0.505	0.535	0.03
53	0	Correlation	0.555	0.495	-0.06
54	0	Correlation	0.49	0.52	0.03

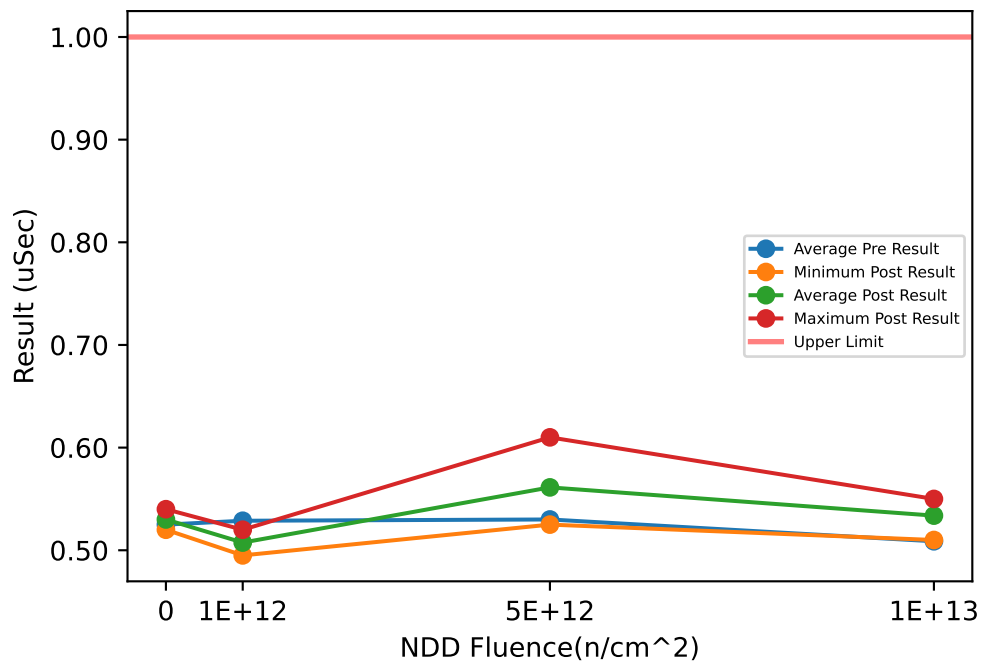
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.49	0.5225	0.555	0.045962	0.495	0.5075	0.52	0.017678	-0.06	-0.015	0.03	0.06364
1e+12	0.46	0.49625	0.53	0.028687	0.495	0.50875	0.53	0.015478	-0.03	0.0125	0.05	0.036629
5e+12	0.52	0.52625	0.54	0.0094648	0.485	0.515	0.55	0.028577	-0.04	-0.01125	0.01	0.023229
1e+13	0.495	0.50625	0.525	0.01315	0.5	0.52625	0.545	0.019311	-0.025	0.02	0.05	0.031885

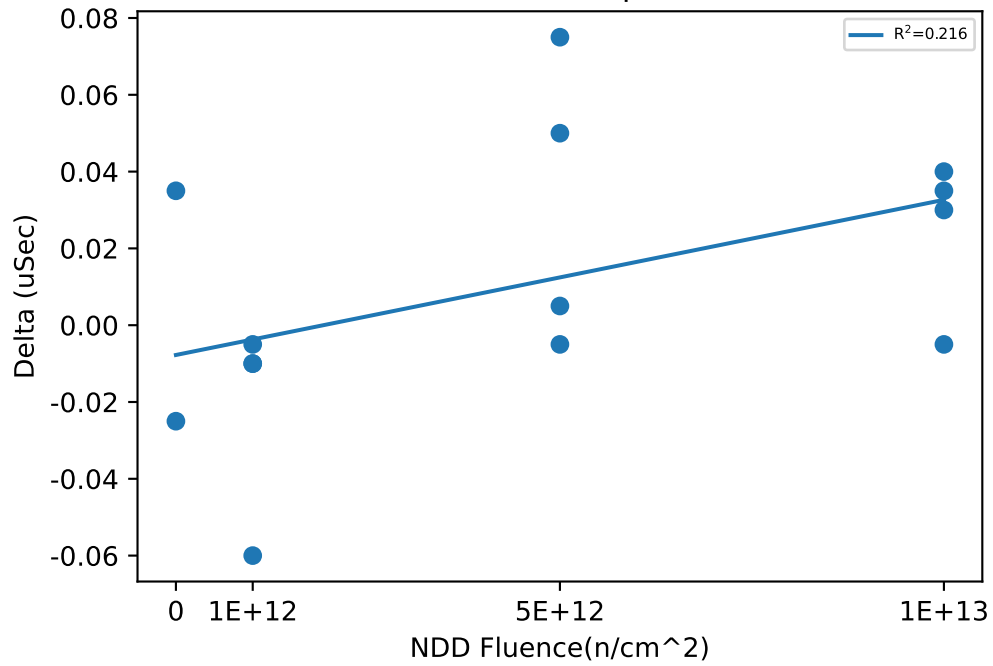
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.505	0.495	-0.01
2	1e+12	NDD Unbiased	0.53	0.52	-0.01
3	1e+12	NDD Unbiased	0.52	0.515	-0.005
4	1e+12	NDD Unbiased	0.56	0.5	-0.06
5	5e+12	NDD Unbiased	0.525	0.575	0.05
6	5e+12	NDD Unbiased	0.535	0.61	0.075
7	5e+12	NDD Unbiased	0.53	0.525	-0.005
8	5e+12	NDD Unbiased	0.53	0.535	0.005
9	1e+13	NDD Unbiased	0.52	0.55	0.03
10	1e+13	NDD Unbiased	0.505	0.545	0.04
11	1e+13	NDD Unbiased	0.515	0.51	-0.005
12	1e+13	NDD Unbiased	0.495	0.53	0.035
53	0	Correlation	0.545	0.52	-0.025
54	0	Correlation	0.505	0.54	0.035

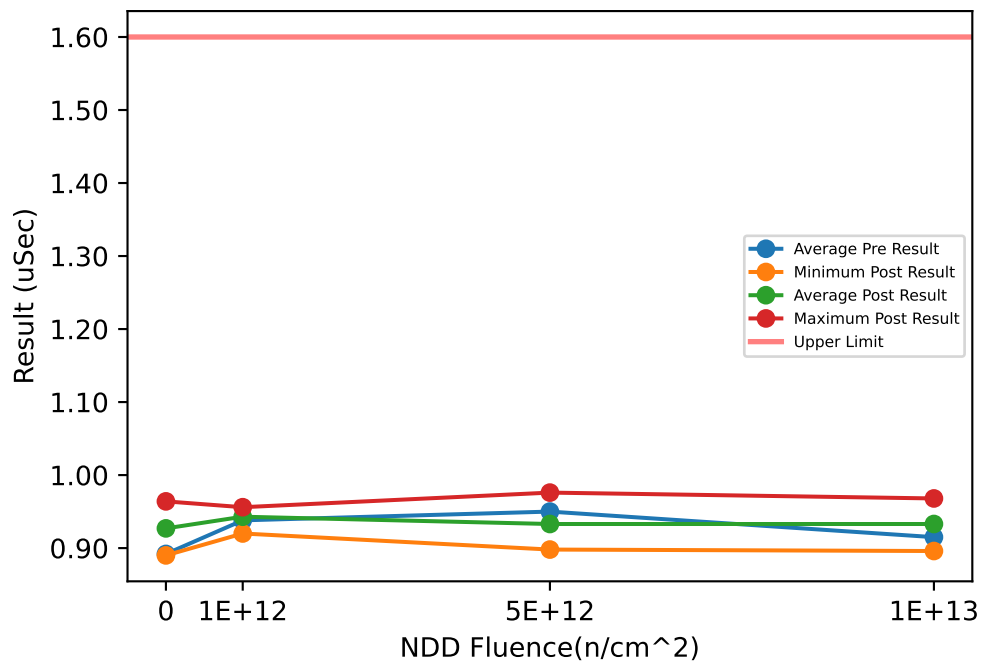
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.505	0.525	0.545	0.028284	0.52	0.53	0.54	0.014142	-0.025	0.005	0.035	0.042426
1e+12	0.505	0.52875	0.56	0.023229	0.495	0.5075	0.52	0.011902	-0.06	-0.02125	-0.005	0.025941
5e+12	0.525	0.53	0.535	0.0040825	0.525	0.56125	0.61	0.039025	-0.005	0.03125	0.075	0.037722
1e+13	0.495	0.50875	0.52	0.011087	0.51	0.53375	0.55	0.01797	-0.005	0.025	0.04	0.020412

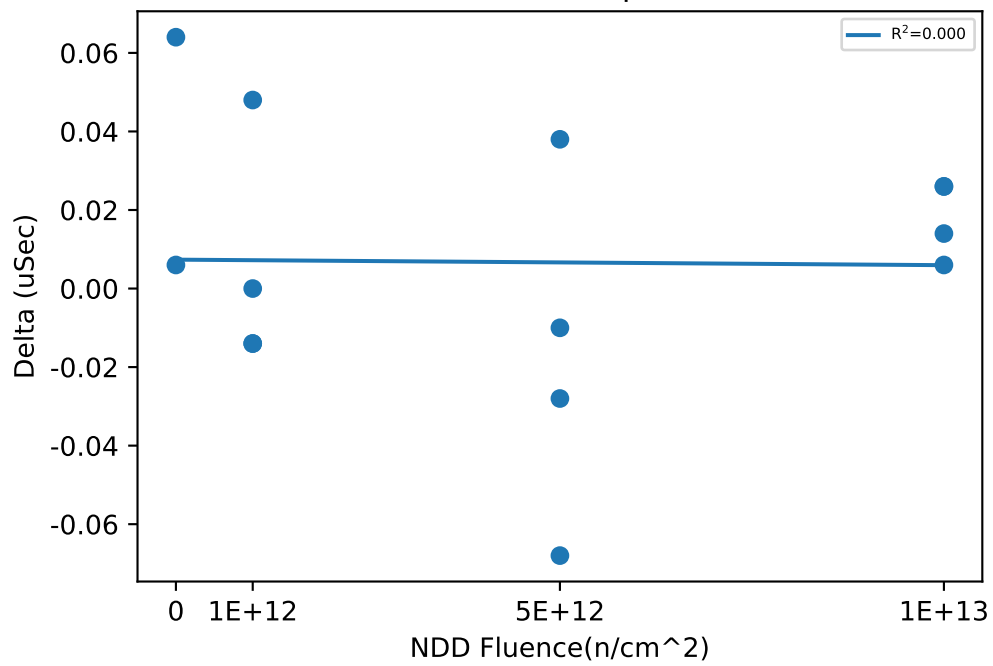
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.956	0.956	0
2	1e+12	NDD Unbiased	0.958	0.944	-0.014
3	1e+12	NDD Unbiased	0.966	0.952	-0.014
4	1e+12	NDD Unbiased	0.872	0.92	0.048
5	5e+12	NDD Unbiased	0.908	0.898	-0.01
6	5e+12	NDD Unbiased	0.966	0.898	-0.068
7	5e+12	NDD Unbiased	0.922	0.96	0.038
8	5e+12	NDD Unbiased	1.004	0.976	-0.028
9	1e+13	NDD Unbiased	0.946	0.96	0.014
10	1e+13	NDD Unbiased	0.942	0.968	0.026
11	1e+13	NDD Unbiased	0.87	0.896	0.026
12	1e+13	NDD Unbiased	0.902	0.908	0.006
53	0	Correlation	0.958	0.964	0.006
54	0	Correlation	0.826	0.89	0.064

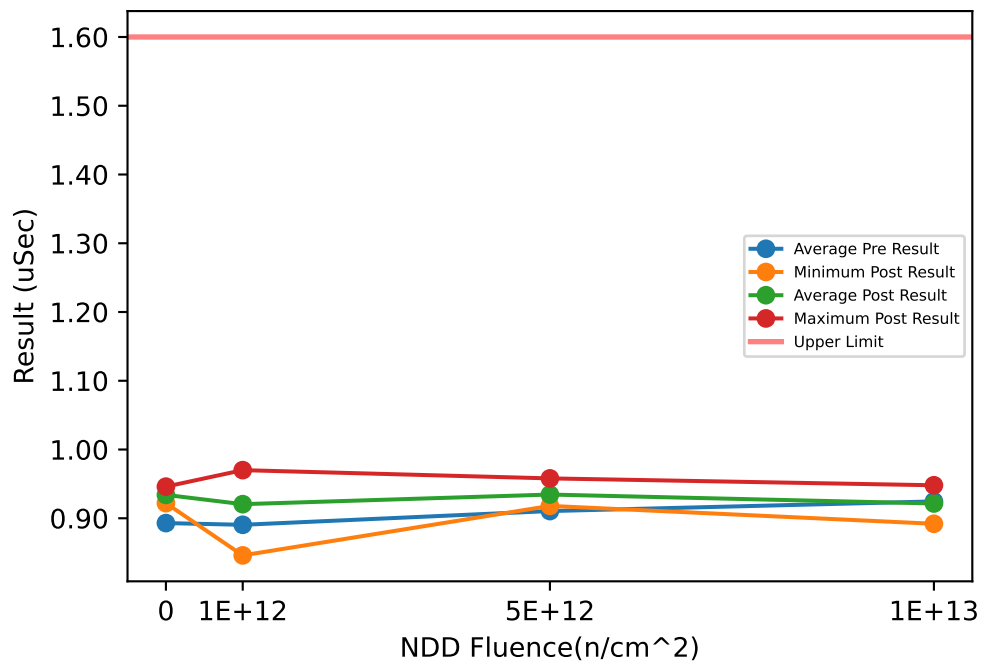
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.826	0.892	0.958	0.093338	0.89	0.927	0.964	0.052326	0.006	0.035	0.064	0.041012
1e+12	0.872	0.938	0.966	0.044212	0.92	0.943	0.956	0.016125	-0.014	0.005	0.048	0.029417
5e+12	0.908	0.95	1.004	0.043665	0.898	0.933	0.976	0.040939	-0.068	-0.017	0.038	0.043955
1e+13	0.87	0.915	0.946	0.035981	0.896	0.933	0.968	0.036277	0.006	0.018	0.026	0.009798

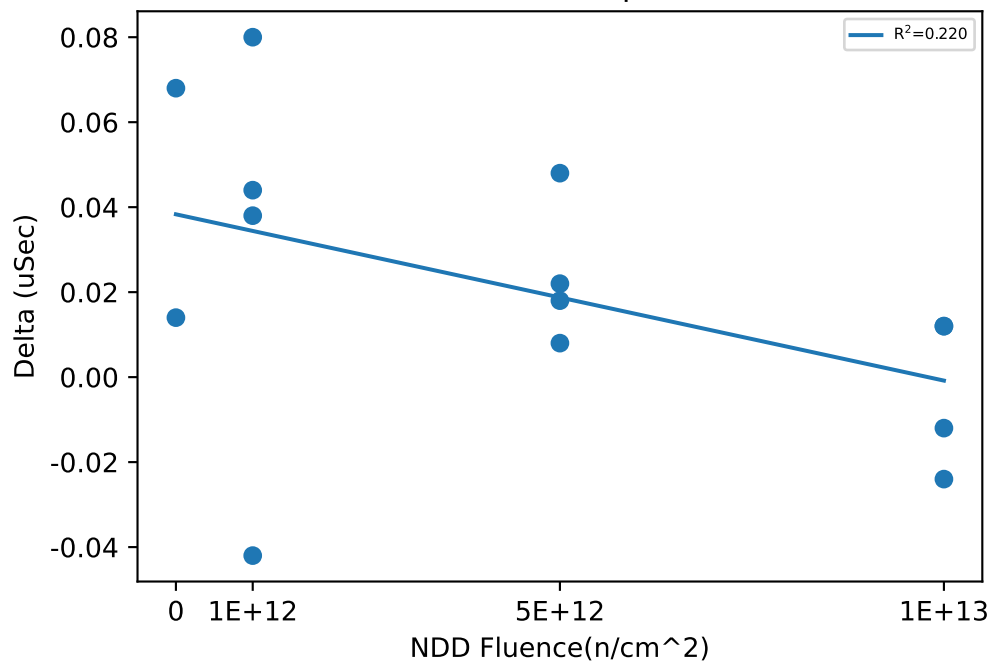
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.884	0.928	0.044
2	1e+12	NDD Unbiased	0.89	0.97	0.08
3	1e+12	NDD Unbiased	0.888	0.846	-0.042
4	1e+12	NDD Unbiased	0.9	0.938	0.038
5	5e+12	NDD Unbiased	0.94	0.958	0.018
6	5e+12	NDD Unbiased	0.922	0.93	0.008
7	5e+12	NDD Unbiased	0.87	0.918	0.048
8	5e+12	NDD Unbiased	0.91	0.932	0.022
9	1e+13	NDD Unbiased	0.91	0.922	0.012
10	1e+13	NDD Unbiased	0.972	0.948	-0.024
11	1e+13	NDD Unbiased	0.936	0.924	-0.012
12	1e+13	NDD Unbiased	0.88	0.892	0.012
53	0	Correlation	0.878	0.946	0.068
54	0	Correlation	0.908	0.922	0.014

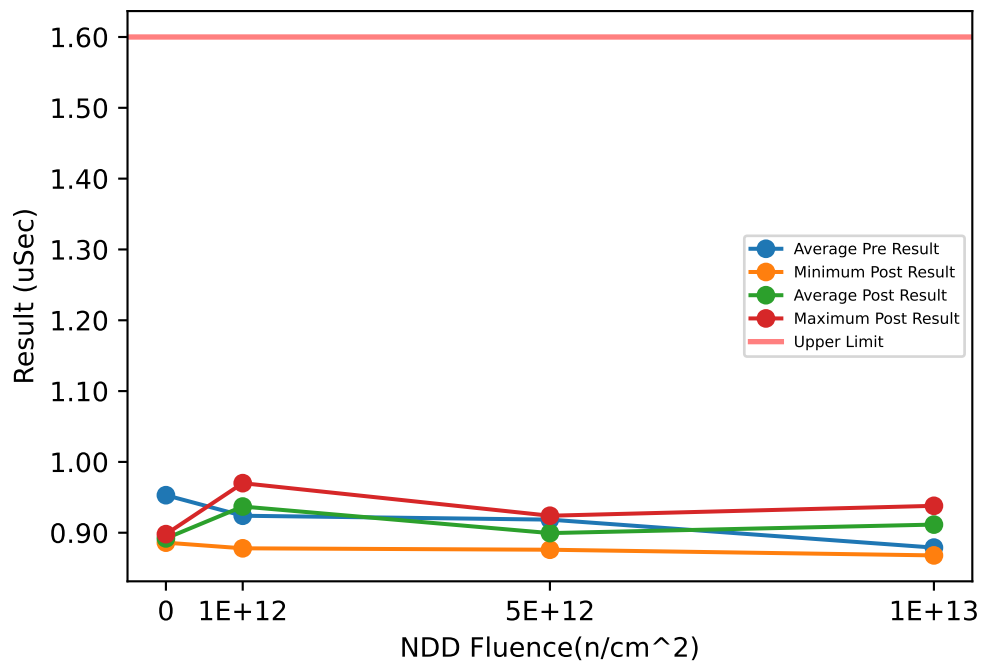
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.878	0.893	0.908	0.021213	0.922	0.934	0.946	0.016971	0.014	0.041	0.068	0.038184
1e+12	0.884	0.8905	0.9	0.0068069	0.846	0.9205	0.97	0.052798	-0.042	0.03	0.08	0.051459
5e+12	0.87	0.9105	0.94	0.029682	0.918	0.9345	0.958	0.016842	0.008	0.024	0.048	0.017049
1e+13	0.88	0.9245	0.972	0.039068	0.892	0.9215	0.948	0.022942	-0.024	-0.003	0.012	0.018

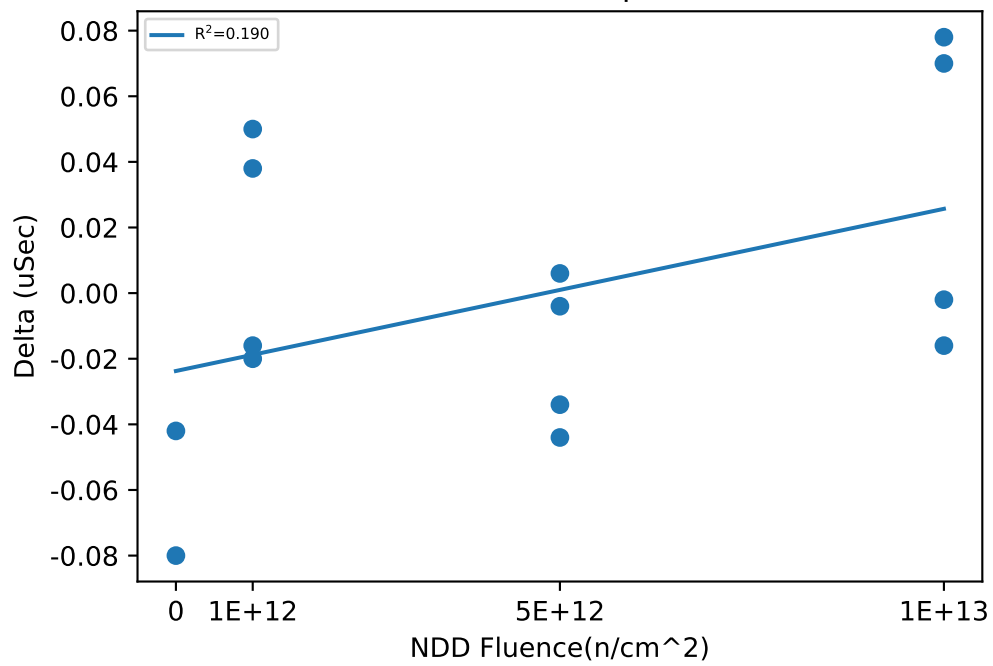
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.966	0.946	-0.02
2	1e+12	NDD Unbiased	0.916	0.954	0.038
3	1e+12	NDD Unbiased	0.92	0.97	0.05
4	1e+12	NDD Unbiased	0.894	0.878	-0.016
5	5e+12	NDD Unbiased	0.92	0.876	-0.044
6	5e+12	NDD Unbiased	0.926	0.892	-0.034
7	5e+12	NDD Unbiased	0.928	0.924	-0.004
8	5e+12	NDD Unbiased	0.9	0.906	0.006
9	1e+13	NDD Unbiased	0.938	0.936	-0.002
10	1e+13	NDD Unbiased	0.868	0.938	0.07
11	1e+13	NDD Unbiased	0.826	0.904	0.078
12	1e+13	NDD Unbiased	0.884	0.868	-0.016
53	0	Correlation	0.966	0.886	-0.08
54	0	Correlation	0.94	0.898	-0.042

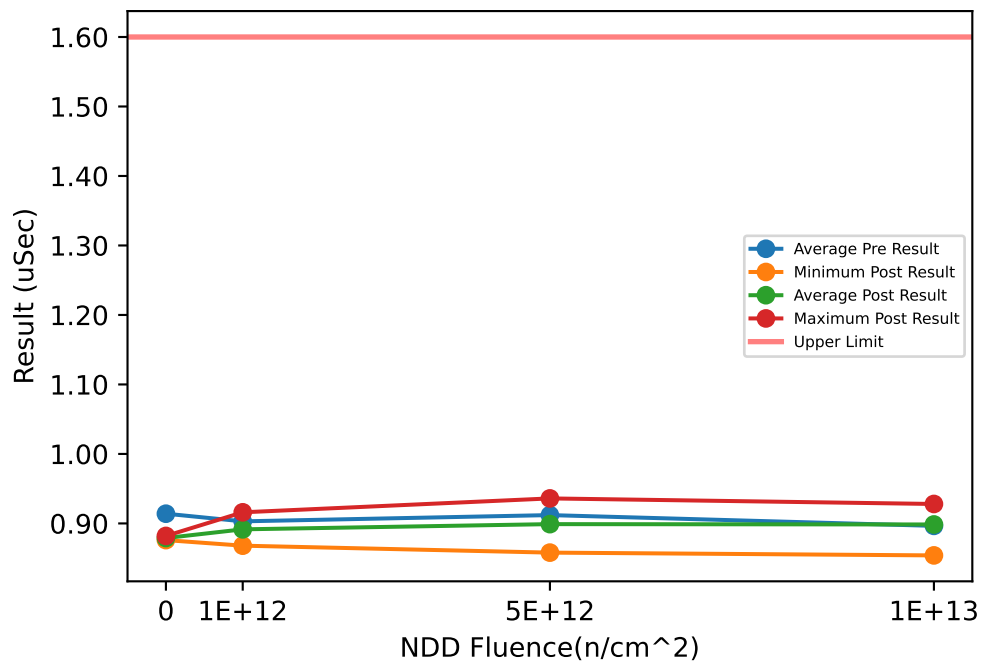
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.94	0.953	0.966	0.018385	0.886	0.892	0.898	0.0084853	-0.08	-0.061	-0.042	0.02687
1e+12	0.894	0.924	0.966	0.030243	0.878	0.937	0.97	0.040579	-0.02	0.013	0.05	0.036166
5e+12	0.9	0.9185	0.928	0.012793	0.876	0.8995	0.924	0.020421	-0.044	-0.019	0.006	0.023805
1e+13	0.826	0.879	0.938	0.046318	0.868	0.9115	0.938	0.032919	-0.016	0.0325	0.078	0.04837

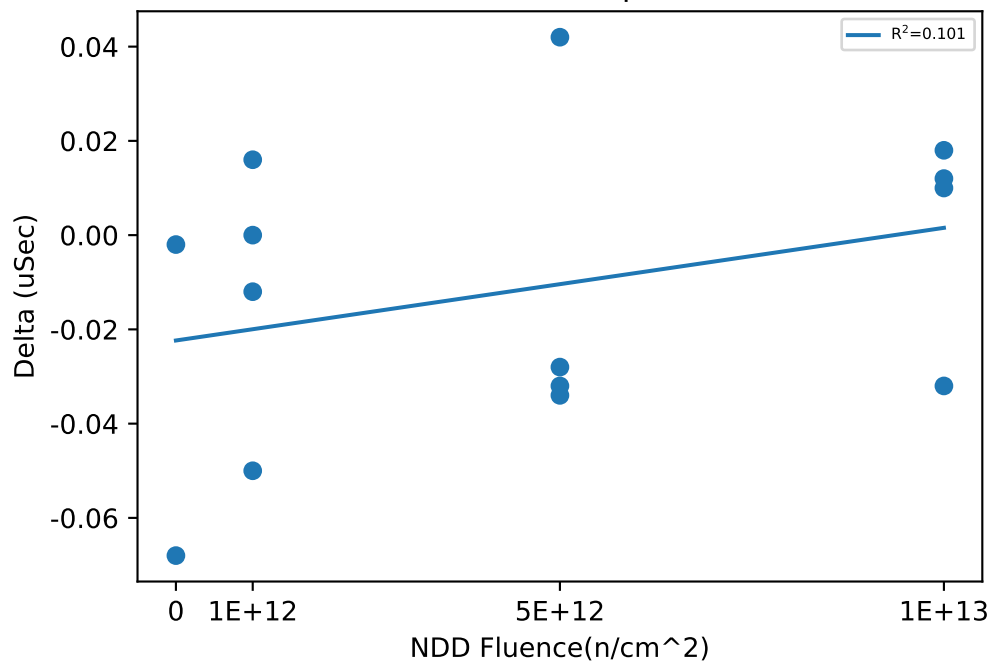
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.9	0.916	0.016
2	1e+12	NDD Unbiased	0.962	0.912	-0.05
3	1e+12	NDD Unbiased	0.882	0.87	-0.012
4	1e+12	NDD Unbiased	0.868	0.868	0
5	5e+12	NDD Unbiased	0.918	0.886	-0.032
6	5e+12	NDD Unbiased	0.892	0.858	-0.034
7	5e+12	NDD Unbiased	0.944	0.916	-0.028
8	5e+12	NDD Unbiased	0.894	0.936	0.042
9	1e+13	NDD Unbiased	0.918	0.928	0.01
10	1e+13	NDD Unbiased	0.916	0.928	0.012
11	1e+13	NDD Unbiased	0.866	0.884	0.018
12	1e+13	NDD Unbiased	0.886	0.854	-0.032
53	0	Correlation	0.944	0.876	-0.068
54	0	Correlation	0.884	0.882	-0.002

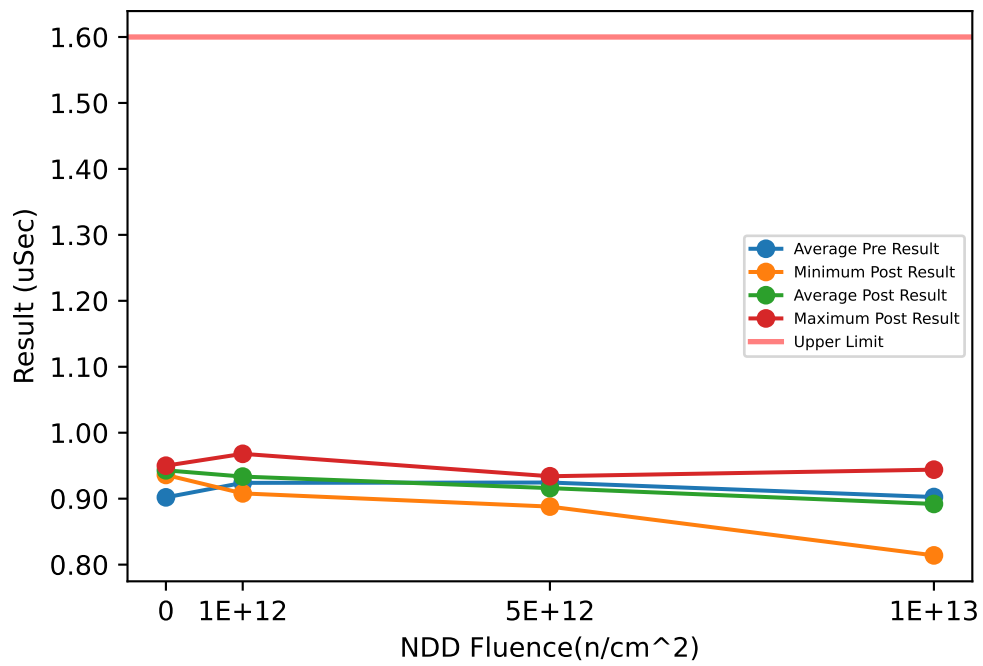
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.884	0.914	0.944	0.042426	0.876	0.879	0.882	0.0042426	-0.068	-0.035	-0.002	0.046669
1e+12	0.868	0.903	0.962	0.041457	0.868	0.8915	0.916	0.026045	-0.05	-0.0115	0.016	0.028113
5e+12	0.892	0.912	0.944	0.024386	0.858	0.899	0.936	0.034196	-0.034	-0.013	0.042	0.036751
1e+13	0.866	0.8965	0.918	0.025053	0.854	0.8985	0.928	0.036199	-0.032	0.002	0.018	0.02292

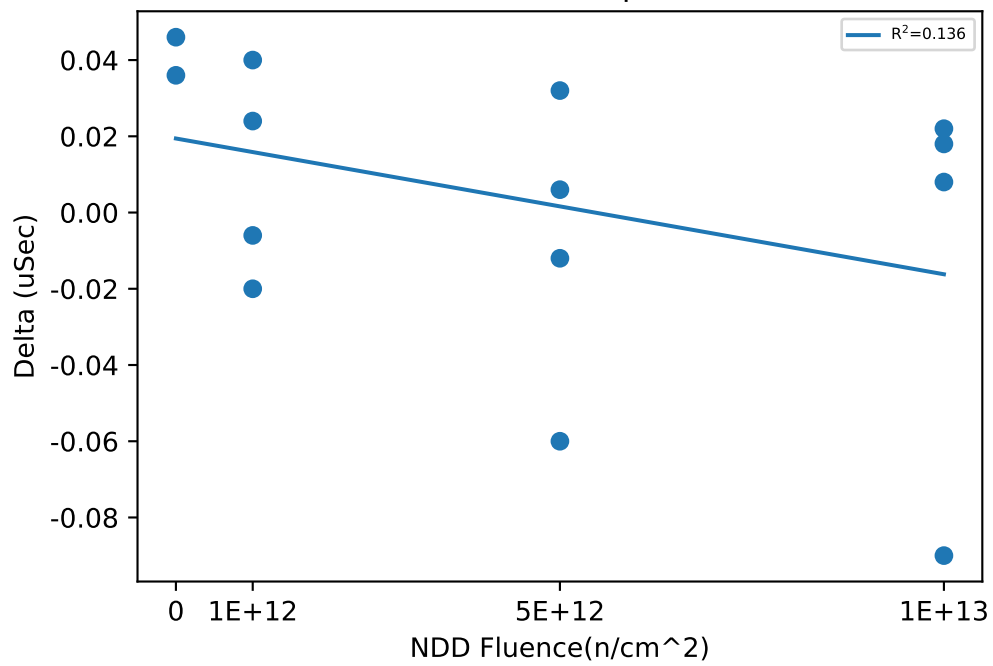
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.928	0.968	0.04
2	1e+12	NDD Unbiased	0.956	0.95	-0.006
3	1e+12	NDD Unbiased	0.884	0.908	0.024
4	1e+12	NDD Unbiased	0.928	0.908	-0.02
5	5e+12	NDD Unbiased	0.898	0.93	0.032
6	5e+12	NDD Unbiased	0.948	0.888	-0.06
7	5e+12	NDD Unbiased	0.906	0.912	0.006
8	5e+12	NDD Unbiased	0.946	0.934	-0.012
9	1e+13	NDD Unbiased	0.916	0.934	0.018
10	1e+13	NDD Unbiased	0.922	0.944	0.022
11	1e+13	NDD Unbiased	0.868	0.876	0.008
12	1e+13	NDD Unbiased	0.904	0.814	-0.09
53	0	Correlation	0.9	0.936	0.036
54	0	Correlation	0.904	0.95	0.046

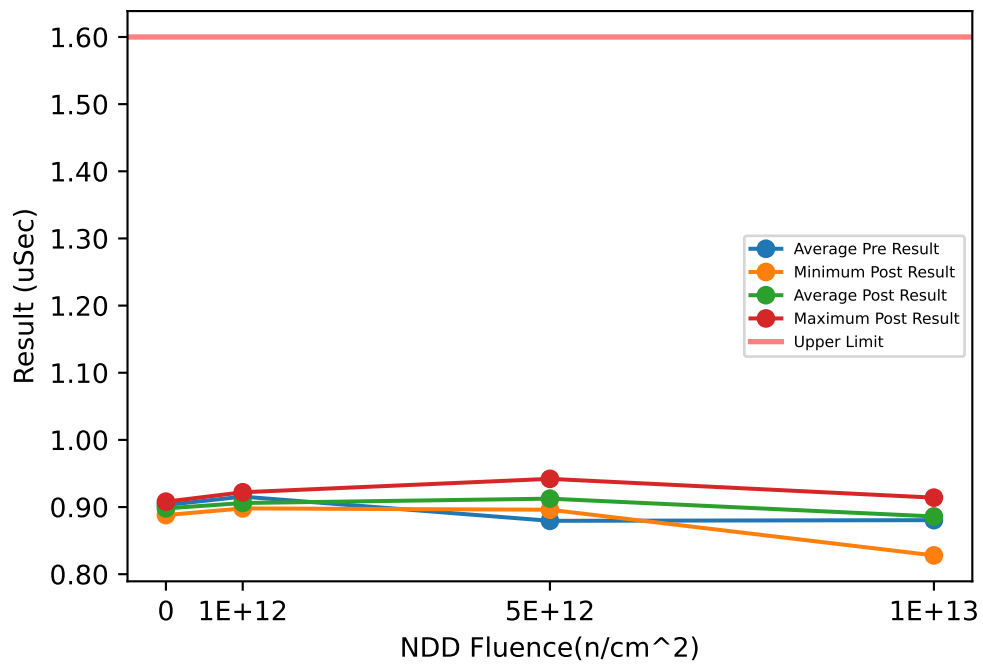
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9	0.902	0.904	0.0028284	0.936	0.943	0.95	0.0098995	0.036	0.041	0.046	0.0070711
1e+12	0.884	0.924	0.956	0.029755	0.908	0.9335	0.968	0.030348	-0.02	0.0095	0.04	0.027392
5e+12	0.898	0.9245	0.948	0.026198	0.888	0.916	0.934	0.020976	-0.06	-0.0085	0.032	0.038794
1e+13	0.868	0.9025	0.922	0.024187	0.814	0.892	0.944	0.060022	-0.09	-0.0105	0.022	0.053326

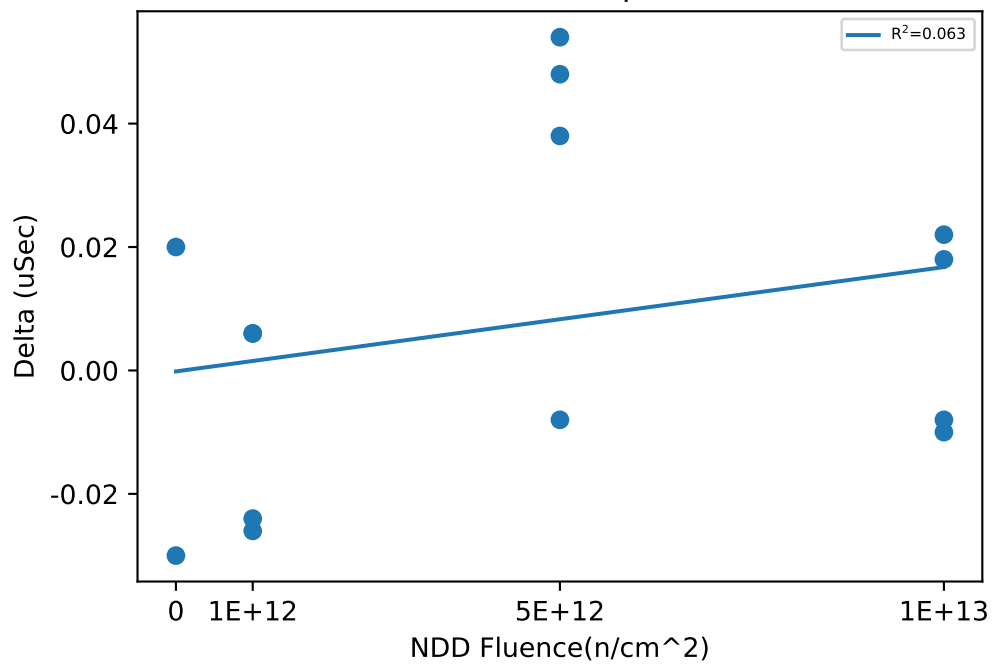
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.93	0.904	-0.026
2	1e+12	NDD Unbiased	0.946	0.922	-0.024
3	1e+12	NDD Unbiased	0.894	0.9	0.006
4	1e+12	NDD Unbiased	0.892	0.898	0.006
5	5e+12	NDD Unbiased	0.91	0.902	-0.008
6	5e+12	NDD Unbiased	0.858	0.896	0.038
7	5e+12	NDD Unbiased	0.862	0.91	0.048
8	5e+12	NDD Unbiased	0.888	0.942	0.054
9	1e+13	NDD Unbiased	0.892	0.914	0.022
10	1e+13	NDD Unbiased	0.916	0.906	-0.01
11	1e+13	NDD Unbiased	0.836	0.828	-0.008
12	1e+13	NDD Unbiased	0.878	0.896	0.018
53	0	Correlation	0.918	0.888	-0.03
54	0	Correlation	0.888	0.908	0.02

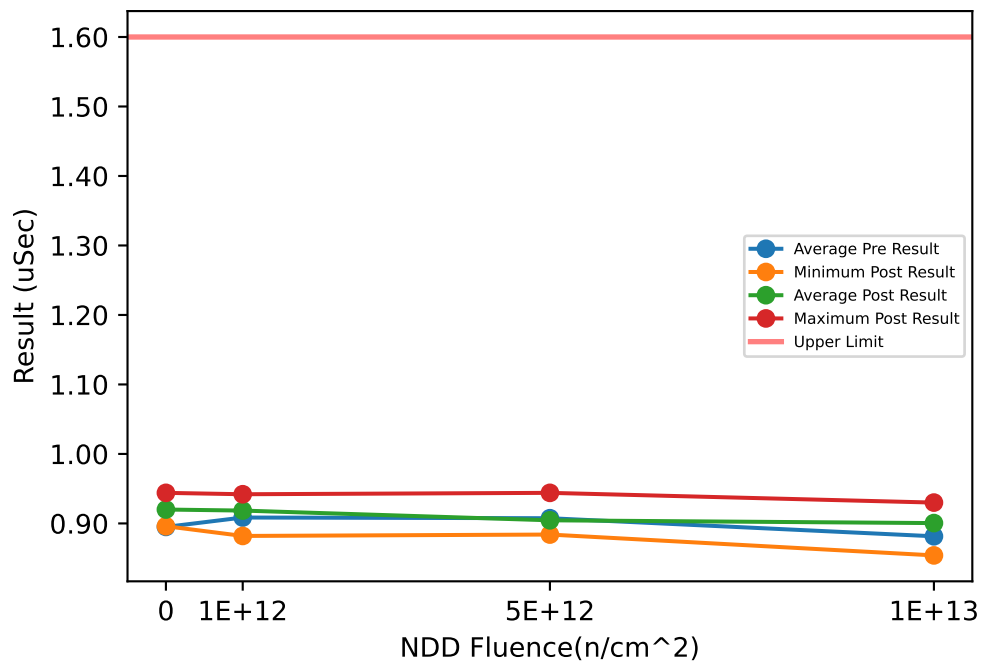
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.888	0.903	0.918	0.021213	0.888	0.898	0.908	0.014142	-0.03	-0.005	0.02	0.035355
1e+12	0.892	0.9155	0.946	0.026802	0.898	0.906	0.922	0.010954	-0.026	-0.0095	0.006	0.017916
5e+12	0.858	0.8795	0.91	0.024297	0.896	0.9125	0.942	0.020486	-0.008	0.033	0.054	0.028119
1e+13	0.836	0.8805	0.916	0.033561	0.828	0.886	0.914	0.039362	-0.01	0.0055	0.022	0.016842

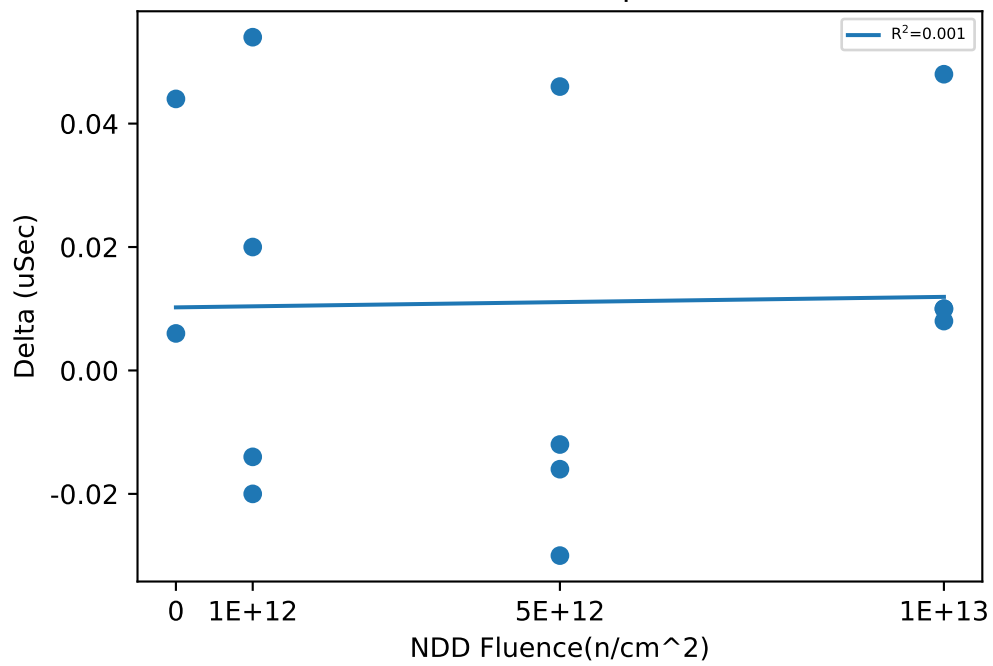
NDD vs Result Stats



Test Results (Upper Limit = 1.6 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.922	0.942	0.02
2	1e+12	NDD Unbiased	0.94	0.926	-0.014
3	1e+12	NDD Unbiased	0.87	0.924	0.054
4	1e+12	NDD Unbiased	0.902	0.882	-0.02
5	5e+12	NDD Unbiased	0.9	0.884	-0.016
6	5e+12	NDD Unbiased	0.924	0.894	-0.03
7	5e+12	NDD Unbiased	0.898	0.944	0.046
8	5e+12	NDD Unbiased	0.908	0.896	-0.012
9	1e+13	NDD Unbiased	0.922	0.93	0.008
10	1e+13	NDD Unbiased	0.894	0.904	0.01
11	1e+13	NDD Unbiased	0.844	0.854	0.01
12	1e+13	NDD Unbiased	0.866	0.914	0.048
53	0	Correlation	0.9	0.944	0.044
54	0	Correlation	0.89	0.896	0.006

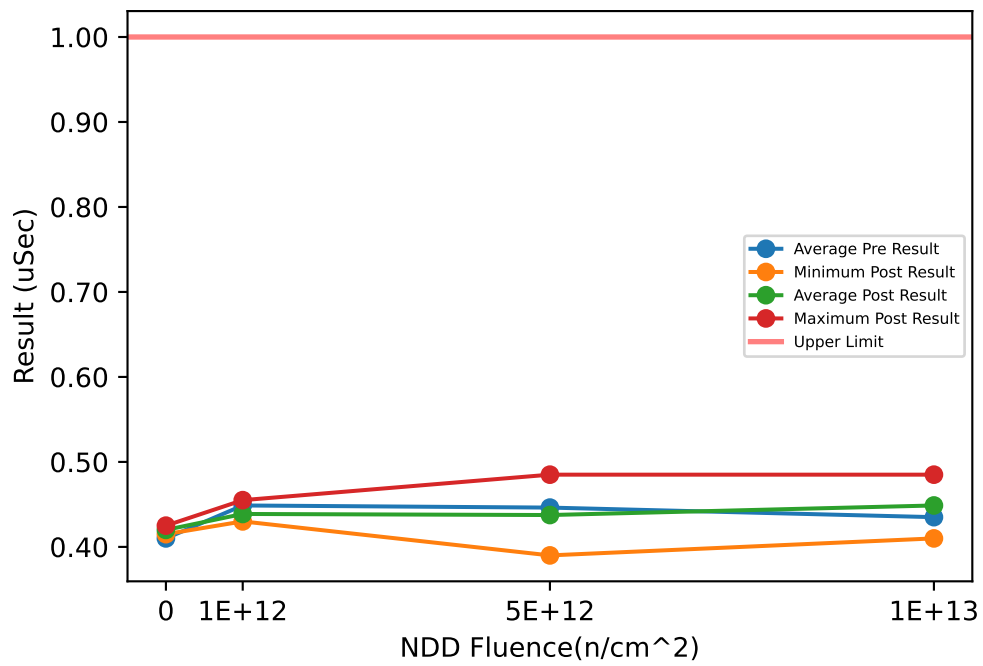
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.89	0.895	0.9	0.0070711	0.896	0.92	0.944	0.033941	0.006	0.025	0.044	0.02687
1e+12	0.87	0.9085	0.94	0.029994	0.882	0.9185	0.942	0.025632	-0.02	0.01	0.054	0.034215
5e+12	0.898	0.9075	0.924	0.011818	0.884	0.9045	0.944	0.026851	-0.03	-0.003	0.046	0.033566
1e+13	0.844	0.8815	0.922	0.033877	0.854	0.9005	0.93	0.032797	0.008	0.019	0.048	0.019356

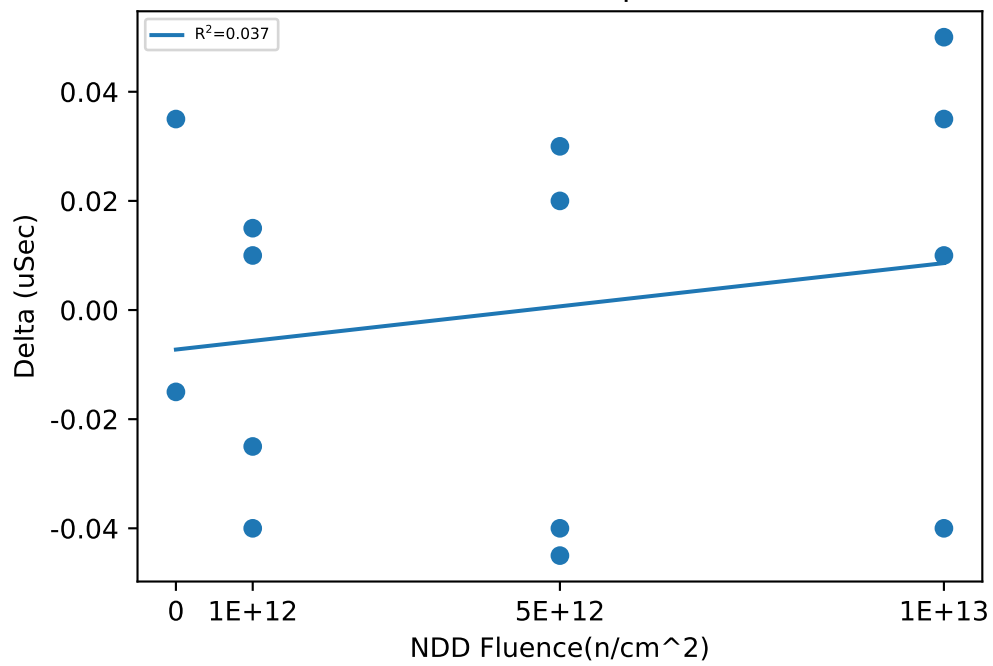
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.475	0.435	-0.04
2	1e+12	NDD Unbiased	0.445	0.455	0.01
3	1e+12	NDD Unbiased	0.415	0.43	0.015
4	1e+12	NDD Unbiased	0.46	0.435	-0.025
5	5e+12	NDD Unbiased	0.43	0.39	-0.04
6	5e+12	NDD Unbiased	0.47	0.425	-0.045
7	5e+12	NDD Unbiased	0.465	0.485	0.02
8	5e+12	NDD Unbiased	0.42	0.45	0.03
9	1e+13	NDD Unbiased	0.41	0.445	0.035
10	1e+13	NDD Unbiased	0.45	0.41	-0.04
11	1e+13	NDD Unbiased	0.435	0.485	0.05
12	1e+13	NDD Unbiased	0.445	0.455	0.01
53	0	Correlation	0.43	0.415	-0.015
54	0	Correlation	0.39	0.425	0.035

NDD vs Post - Pre Exposure Delta

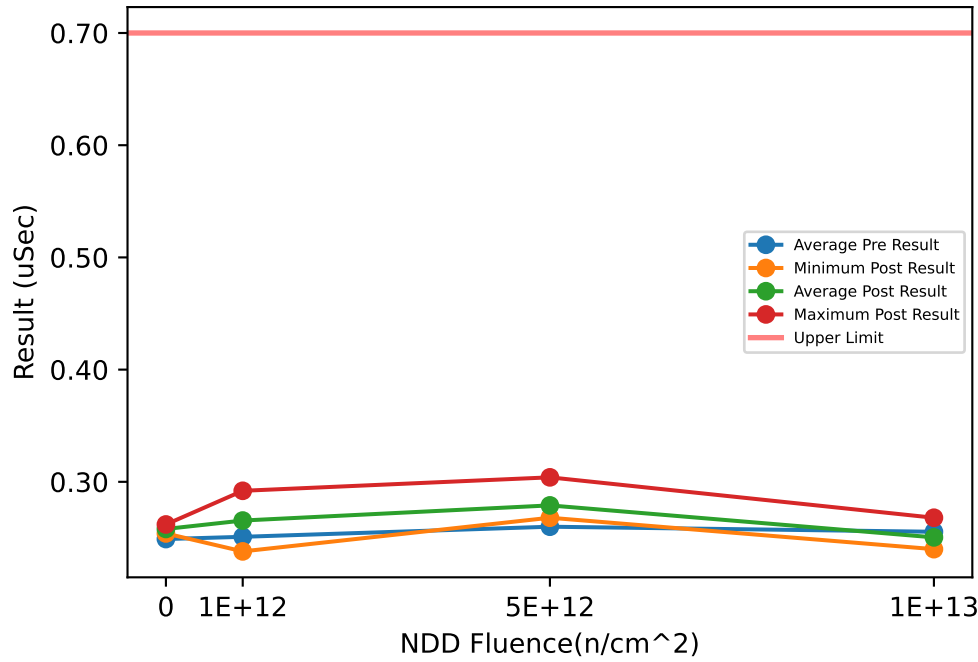


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.39	0.41	0.43	0.028284	0.415	0.42	0.425	0.0070711	-0.015	0.01	0.035	0.035355
1e+12	0.415	0.44875	0.475	0.025617	0.43	0.43875	0.455	0.011087	-0.04	-0.01	0.015	0.026771
5e+12	0.42	0.44625	0.47	0.024958	0.39	0.4375	0.485	0.040104	-0.045	-0.00875	0.03	0.039238
1e+13	0.41	0.435	0.45	0.017795	0.41	0.44875	0.485	0.030923	-0.04	0.01375	0.05	0.039449

Device Test: 23.1 TMIN_UP(_TIMING|UP/UP/3.3/3/0/0/0/@TMIN_UP)

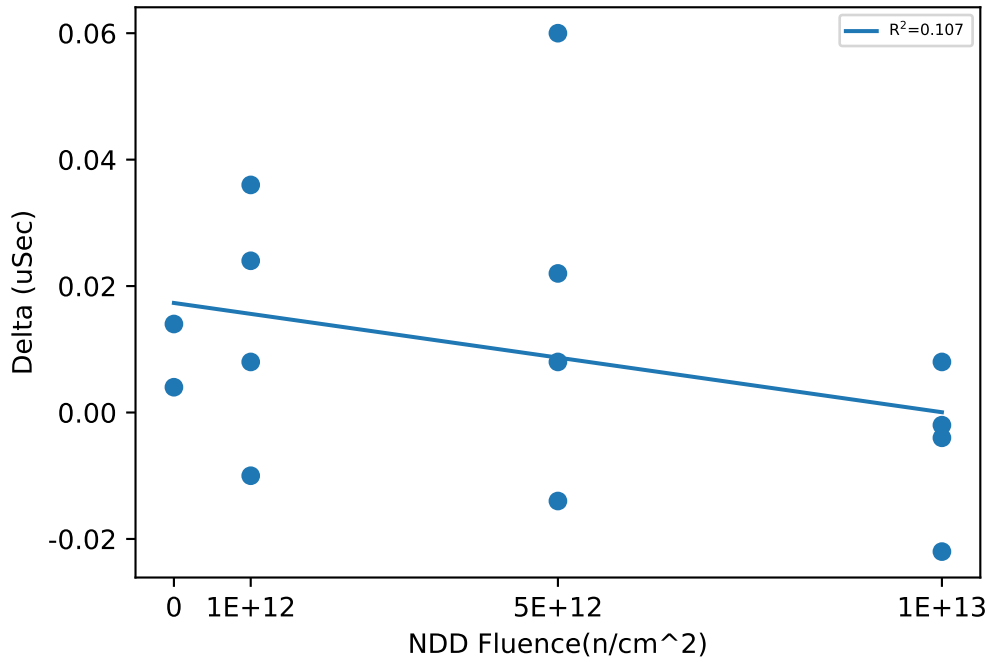
NDD vs Result Stats



Test Results (Upper Limit = 0.7 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.242	0.266	0.024
2	1e+12	NDD Unbiased	0.256	0.292	0.036
3	1e+12	NDD Unbiased	0.258	0.266	0.008
4	1e+12	NDD Unbiased	0.248	0.238	-0.01
5	5e+12	NDD Unbiased	0.262	0.27	0.008
6	5e+12	NDD Unbiased	0.244	0.304	0.06
7	5e+12	NDD Unbiased	0.288	0.274	-0.014
8	5e+12	NDD Unbiased	0.246	0.268	0.022
9	1e+13	NDD Unbiased	0.256	0.252	-0.004
10	1e+13	NDD Unbiased	0.234	0.242	0.008
11	1e+13	NDD Unbiased	0.262	0.24	-0.022
12	1e+13	NDD Unbiased	0.27	0.268	-0.002
53	0	Correlation	0.24	0.254	0.014
54	0	Correlation	0.258	0.262	0.004

NDD vs Post - Pre Exposure Delta

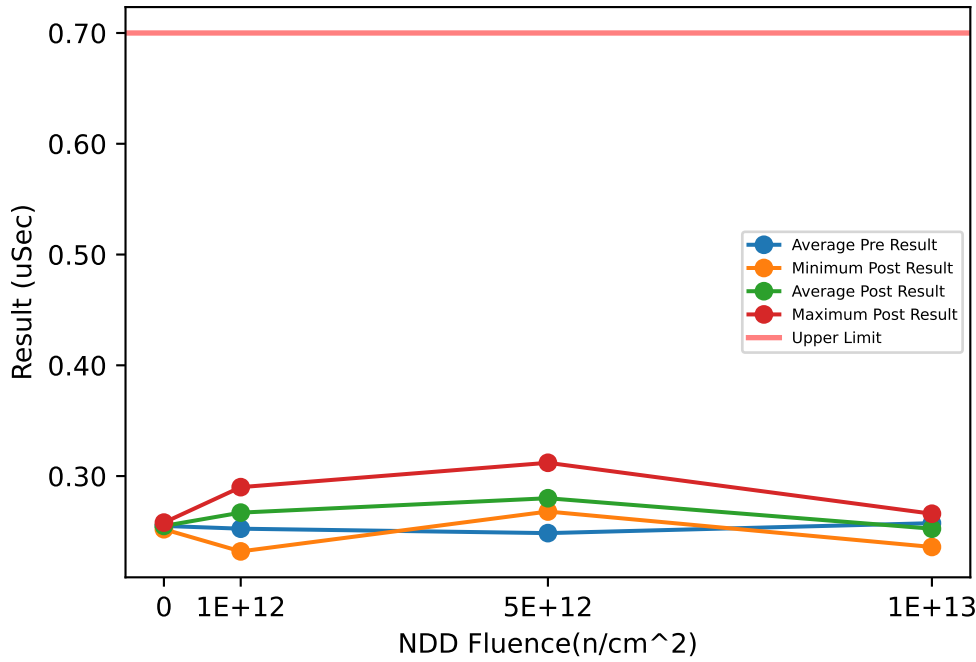


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.24	0.249	0.258	0.012728	0.254	0.258	0.262	0.0056569	0.004	0.009	0.014	0.0070711
1e+12	0.242	0.251	0.258	0.0073937	0.238	0.2655	0.292	0.022053	-0.01	0.0145	0.036	0.019958
5e+12	0.244	0.26	0.288	0.020331	0.268	0.279	0.304	0.016852	-0.014	0.019	0.06	0.031091
1e+13	0.234	0.2555	0.27	0.015438	0.24	0.2505	0.268	0.012793	-0.022	-0.005	0.008	0.01249

Device Test: 23.2 TMIN_UP(_TIMING|UP/UP/3.3/14/0/0/0/@TMIN_UP)

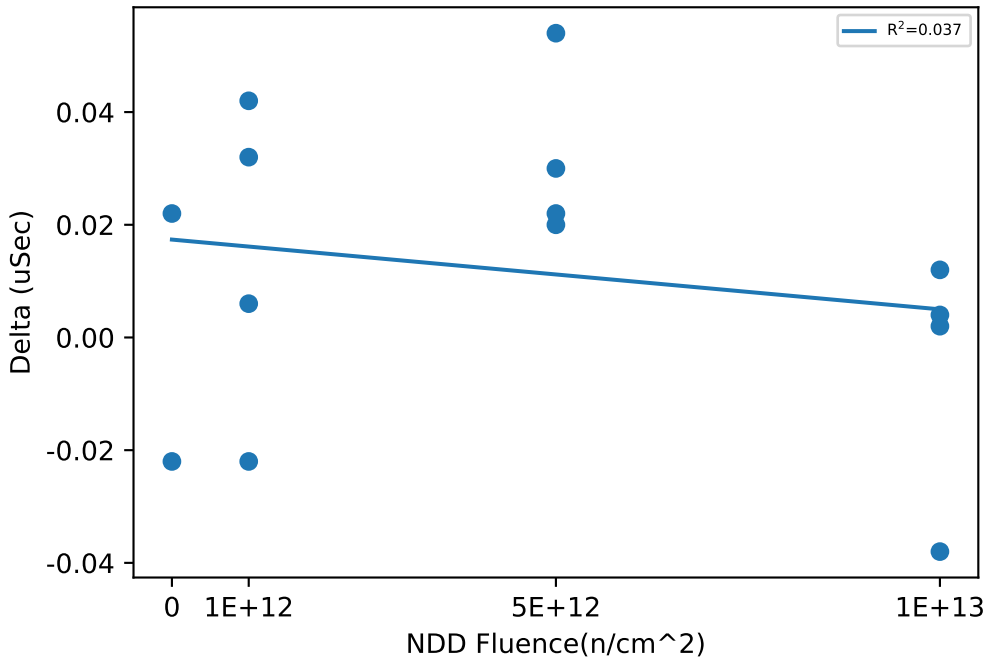
NDD vs Result Stats



Test Results (Upper Limit = 0.7 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.238	0.27	0.032
2	1e+12	NDD Unbiased	0.248	0.29	0.042
3	1e+12	NDD Unbiased	0.27	0.276	0.006
4	1e+12	NDD Unbiased	0.254	0.232	-0.022
5	5e+12	NDD Unbiased	0.246	0.268	0.022
6	5e+12	NDD Unbiased	0.258	0.312	0.054
7	5e+12	NDD Unbiased	0.252	0.272	0.02
8	5e+12	NDD Unbiased	0.238	0.268	0.03
9	1e+13	NDD Unbiased	0.25	0.254	0.004
10	1e+13	NDD Unbiased	0.242	0.254	0.012
11	1e+13	NDD Unbiased	0.274	0.236	-0.038
12	1e+13	NDD Unbiased	0.264	0.266	0.002
53	0	Correlation	0.236	0.258	0.022
54	0	Correlation	0.274	0.252	-0.022

NDD vs Post - Pre Exposure Delta

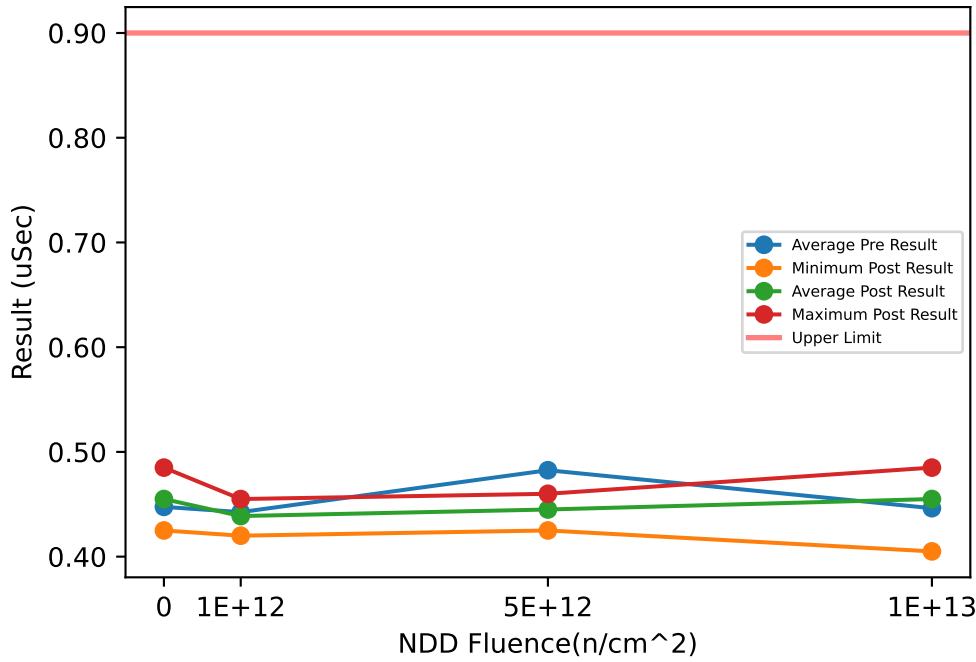


Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.236	0.255	0.274	0.02687	0.252	0.255	0.258	0.0042426	-0.022	0	0.022	0.031113
1e+12	0.238	0.2525	0.27	0.013404	0.232	0.267	0.29	0.024792	-0.022	0.0145	0.042	0.028676
5e+12	0.238	0.2485	0.258	0.008544	0.268	0.28	0.312	0.021417	0.02	0.0315	0.054	0.01561
1e+13	0.242	0.2575	0.274	0.014271	0.236	0.2525	0.266	0.012369	-0.038	-0.005	0.012	0.02242

Device Test: 23.3 TMIN_DOWN(_TIMING|DOWN/DOWN/3.3/3/0/0/0/@TMIN_DOWN)

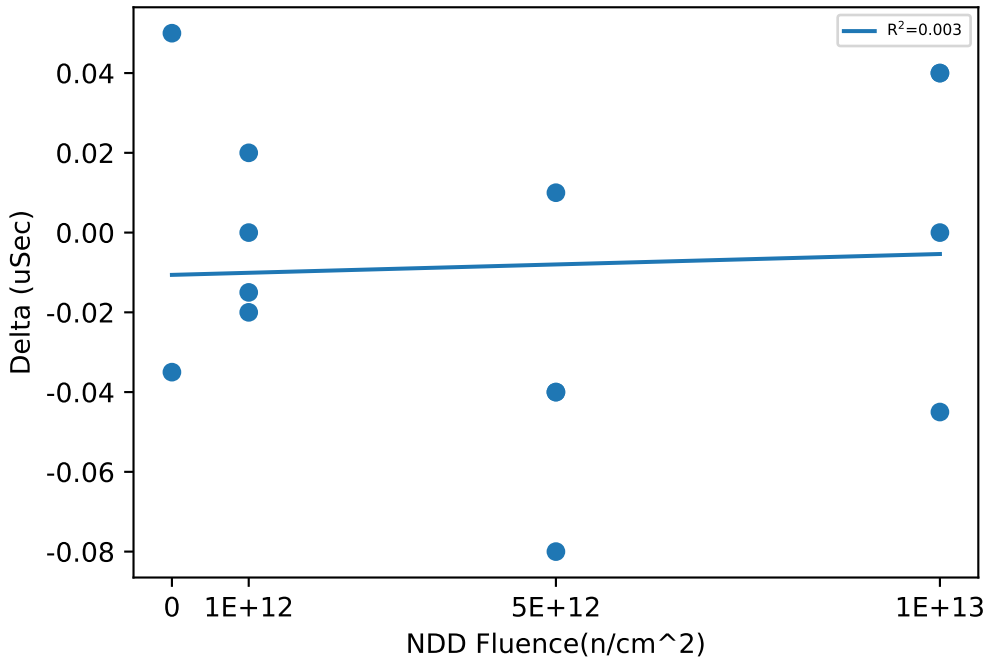
NDD vs Result Stats



Test Results (Upper Limit = 0.9 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.455	0.455	0
2	1e+12	NDD Unbiased	0.455	0.435	-0.02
3	1e+12	NDD Unbiased	0.435	0.42	-0.015
4	1e+12	NDD Unbiased	0.425	0.445	0.02
5	5e+12	NDD Unbiased	0.5	0.46	-0.04
6	5e+12	NDD Unbiased	0.48	0.44	-0.04
7	5e+12	NDD Unbiased	0.445	0.455	0.01
8	5e+12	NDD Unbiased	0.505	0.425	-0.08
9	1e+13	NDD Unbiased	0.445	0.485	0.04
10	1e+13	NDD Unbiased	0.445	0.445	0
11	1e+13	NDD Unbiased	0.445	0.485	0.04
12	1e+13	NDD Unbiased	0.45	0.405	-0.045
53	0	Correlation	0.435	0.485	0.05
54	0	Correlation	0.46	0.425	-0.035

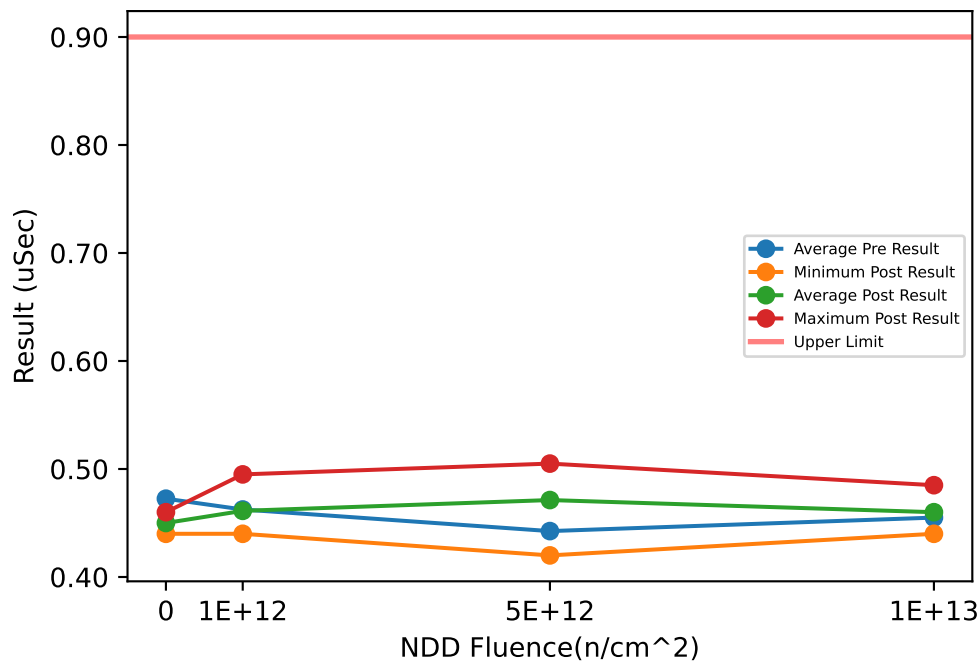
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.435	0.4475	0.46	0.017678	0.425	0.455	0.485	0.042426	-0.035	0.0075	0.05	0.060104
1e+12	0.425	0.4425	0.455	0.015	0.42	0.43875	0.455	0.01493	-0.02	-0.00375	0.02	0.01797
5e+12	0.445	0.4825	0.505	0.027234	0.425	0.445	0.46	0.015811	-0.08	-0.0375	0.01	0.036856
1e+13	0.445	0.44625	0.45	0.0025	0.405	0.455	0.485	0.038297	-0.045	0.00875	0.04	0.040492

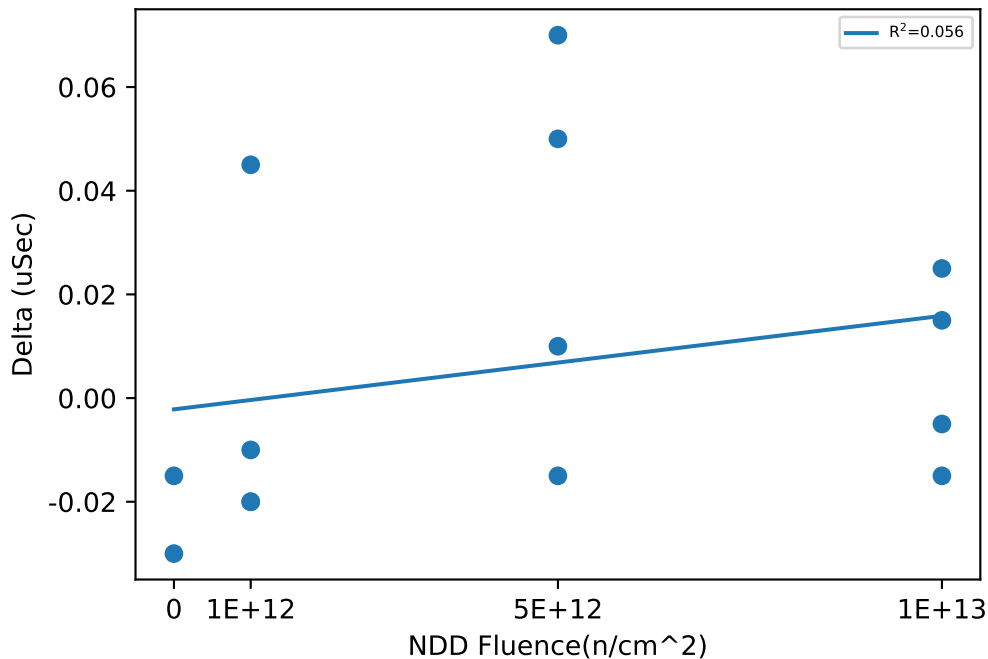
NDD vs Result Stats



Test Results (Upper Limit = 0.9 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	0.485	0.465	-0.02
2	1e+12	NDD Unbiased	0.465	0.445	-0.02
3	1e+12	NDD Unbiased	0.45	0.44	-0.01
4	1e+12	NDD Unbiased	0.45	0.495	0.045
5	5e+12	NDD Unbiased	0.41	0.42	0.01
6	5e+12	NDD Unbiased	0.435	0.505	0.07
7	5e+12	NDD Unbiased	0.475	0.46	-0.015
8	5e+12	NDD Unbiased	0.45	0.5	0.05
9	1e+13	NDD Unbiased	0.455	0.44	-0.015
10	1e+13	NDD Unbiased	0.49	0.485	-0.005
11	1e+13	NDD Unbiased	0.46	0.475	0.015
12	1e+13	NDD Unbiased	0.415	0.44	0.025
53	0	Correlation	0.49	0.46	-0.03
54	0	Correlation	0.455	0.44	-0.015

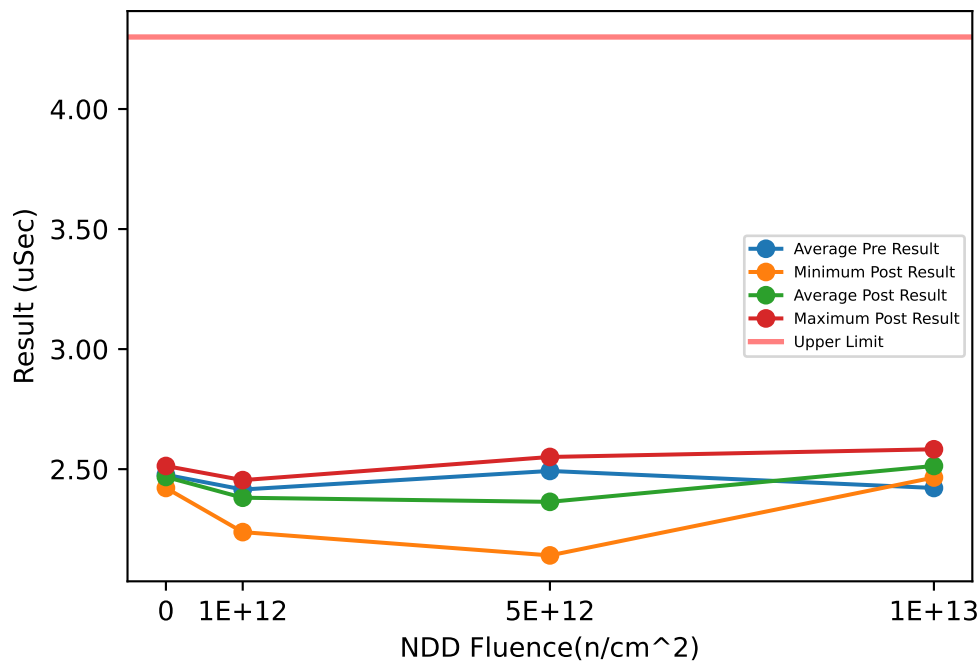
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.455	0.4725	0.49	0.024749	0.44	0.45	0.46	0.014142	-0.03	-0.0225	-0.015	0.010607
1e+12	0.45	0.4625	0.485	0.016583	0.44	0.46125	0.495	0.024958	-0.02	-0.00125	0.045	0.031192
5e+12	0.41	0.4425	0.475	0.027234	0.42	0.47125	0.505	0.03966	-0.015	0.02875	0.07	0.038379
1e+13	0.415	0.455	0.49	0.030822	0.44	0.46	0.485	0.023452	-0.015	0.005	0.025	0.018257

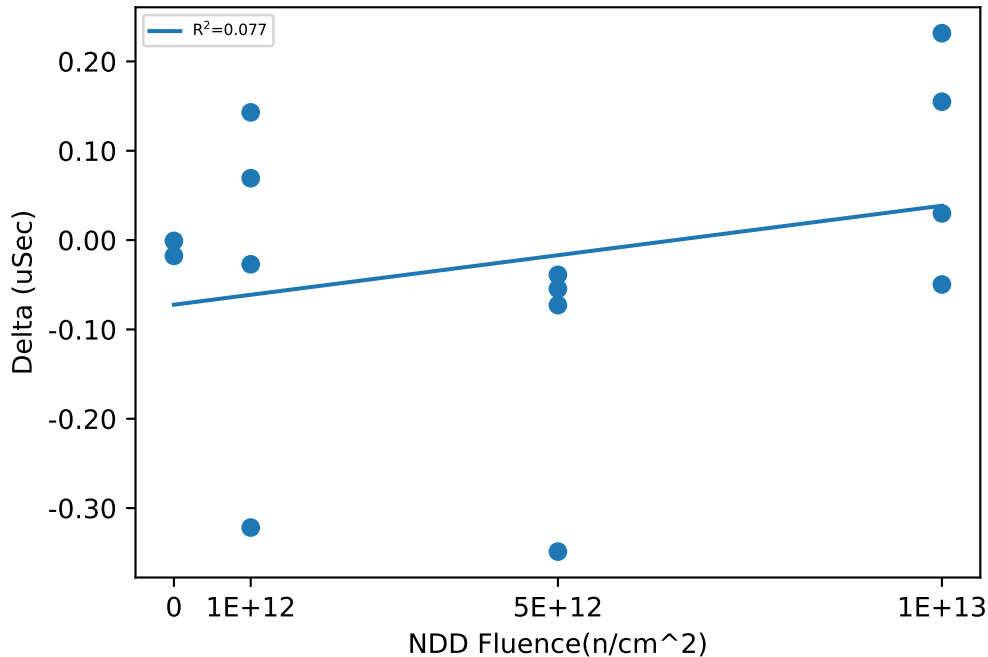
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.4643	2.4372	-0.0271
2	1e+12	NDD Unbiased	2.3113	2.4543	0.143
3	1e+12	NDD Unbiased	2.3255	2.3948	0.0693
4	1e+12	NDD Unbiased	2.5596	2.2378	-0.3218
5	5e+12	NDD Unbiased	2.2557	2.2168	-0.0389
6	5e+12	NDD Unbiased	2.4895	2.1408	-0.3487
7	5e+12	NDD Unbiased	2.6053	2.5508	-0.0545
8	5e+12	NDD Unbiased	2.6198	2.547	-0.0728
9	1e+13	NDD Unbiased	2.3848	2.5397	0.1549
10	1e+13	NDD Unbiased	2.3512	2.5828	0.2316
11	1e+13	NDD Unbiased	2.5149	2.4652	-0.0497
12	1e+13	NDD Unbiased	2.4356	2.4655	0.0299
53	0	Correlation	2.4226	2.4217	-0.0009
54	0	Correlation	2.5309	2.5132	-0.0177

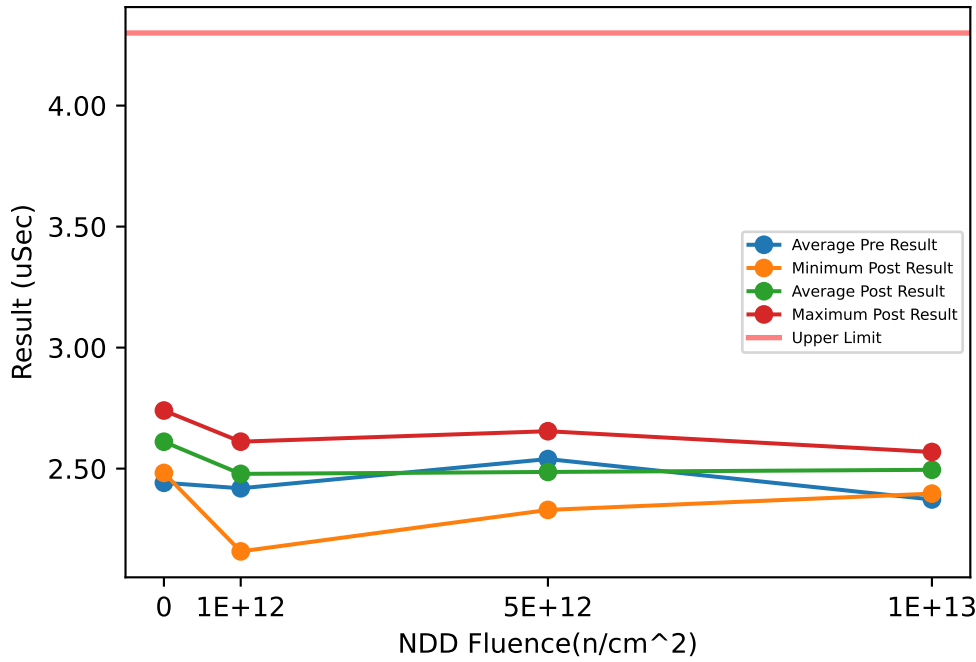
NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.4226	2.4768	2.5309	0.07658	2.4217	2.4674	2.5132	0.0647	-0.0177	-0.0093	-0.0009	0.011879
1e+12	2.3113	2.4152	2.5596	0.11847	2.2378	2.381	2.4543	0.098705	-0.3218	-0.03415	0.143	0.20402
5e+12	2.2557	2.4926	2.6198	0.16834	2.1408	2.3639	2.5508	0.21592	-0.3487	-0.12872	-0.0389	0.1473
1e+13	2.3512	2.4216	2.5149	0.071207	2.4652	2.5133	2.5828	0.058097	-0.0497	0.091675	0.2316	0.12567

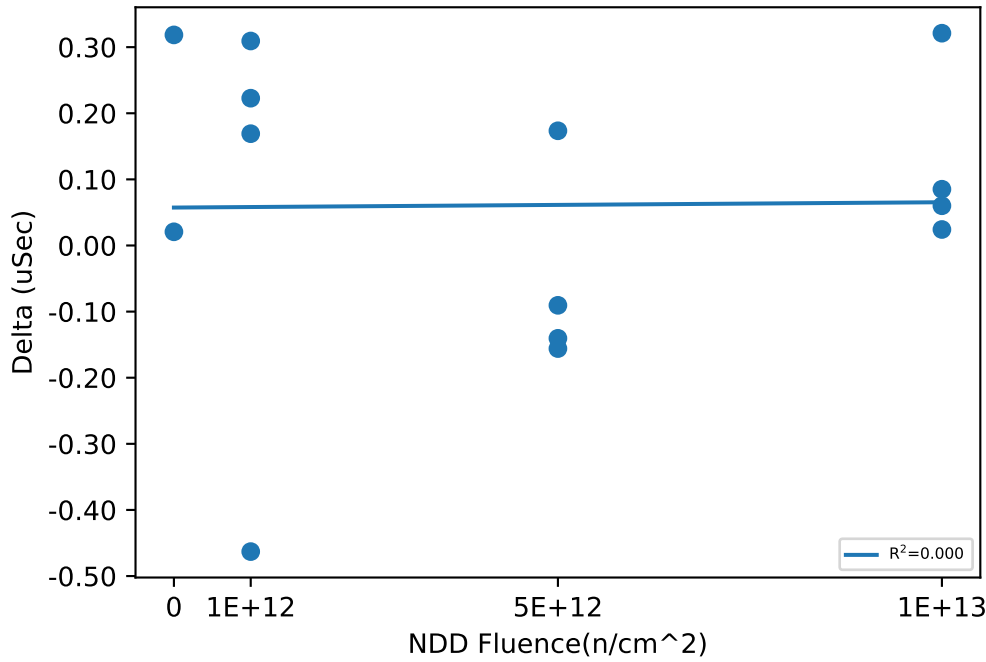
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (uSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
1	1e+12	NDD Unbiased	2.2462	2.5555	0.3093
2	1e+12	NDD Unbiased	2.4191	2.5882	0.1691
3	1e+12	NDD Unbiased	2.6209	2.1579	-0.463
4	1e+12	NDD Unbiased	2.3885	2.6113	0.2228
5	5e+12	NDD Unbiased	2.4198	2.3293	-0.0905
6	5e+12	NDD Unbiased	2.7635	2.6231	-0.1404
7	5e+12	NDD Unbiased	2.4937	2.3378	-0.1559
8	5e+12	NDD Unbiased	2.481	2.6545	0.1735
9	1e+13	NDD Unbiased	2.5086	2.5687	0.0601
10	1e+13	NDD Unbiased	2.2056	2.5267	0.3211
11	1e+13	NDD Unbiased	2.4031	2.4882	0.0851
12	1e+13	NDD Unbiased	2.3724	2.3966	0.0242
53	0	Correlation	2.4614	2.4821	0.0207
54	0	Correlation	2.4215	2.74	0.3185

NDD vs Post - Pre Exposure Delta



Test Statistics (uSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.4215	2.4414	2.4614	0.028214	2.4821	2.6111	2.74	0.18236	0.0207	0.1696	0.3185	0.21058
1e+12	2.2462	2.4187	2.6209	0.15444	2.1579	2.4782	2.6113	0.21477	-0.463	0.05955	0.3093	0.35312
5e+12	2.4198	2.5395	2.7635	0.15278	2.3293	2.4862	2.6545	0.17674	-0.1559	-0.053325	0.1735	0.15377
1e+13	2.2056	2.3724	2.5086	0.12559	2.3966	2.495	2.5687	0.073406	0.0242	0.12263	0.3211	0.13466

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