

TPS7H3124-SP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H3124-SP, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. The TPS7H3124-SP showed 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 TPS7H3124-SP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. An accurate 599mV $\pm 1\%$ threshold voltage and a 24 μ A $\pm 3\%$ hysteresis current provide programmable monitoring voltages. A programmable delay time is globally programmed via a single resistor. In addition a PWRGD output is provided to monitor the global power tree status. The device also incorporates a positive edge detection watchdog timer to monitor an external processor for coherent execution. External faults can be propagated to the system by using the SR_UVLO input.

The TPS7H3124-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420602VXC.

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	TPS7H3124-SP
TI Part Name	5962R2420602VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Lot Number / Date Code	6004531 / 2617A
Sample Quantity	12 +3 control units
Exposure Facility	VPT Rad
Neutron Fluence (1-MeV equivalent) Level	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Ambient room temperature

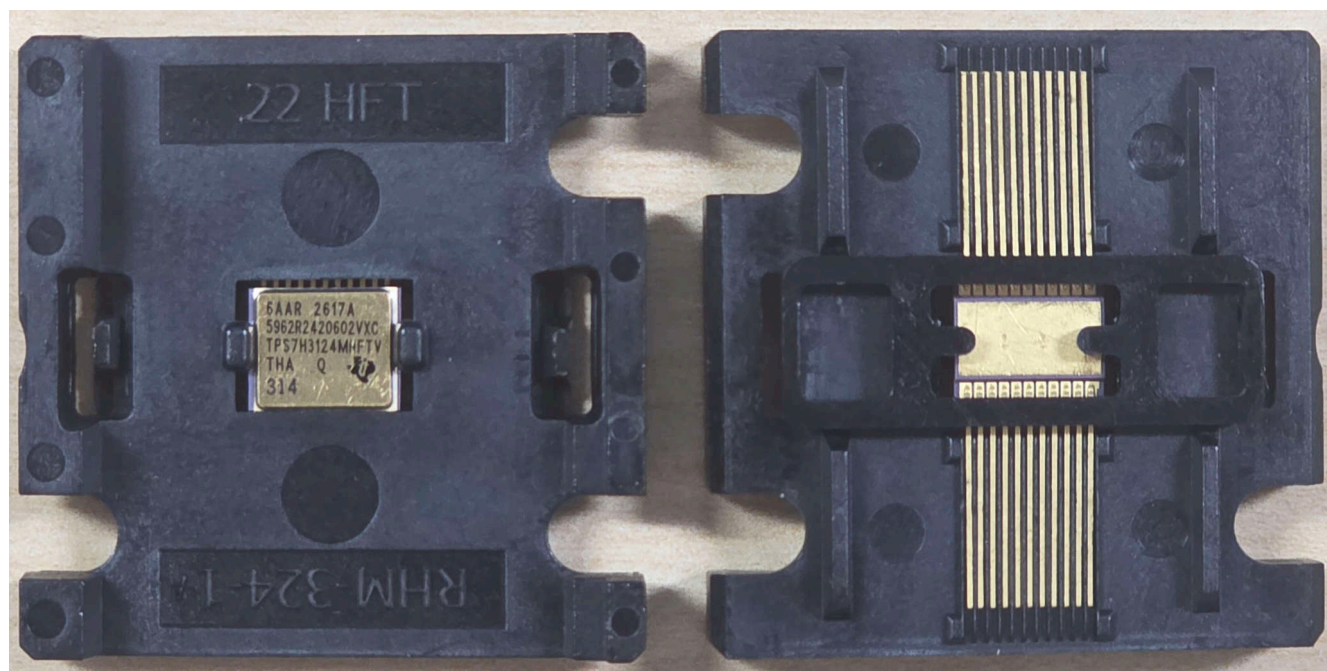


Figure 1-1. TPS7H3124-SP Device

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. The TPS7H3124-SP 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

VPT Rad performs all neutron displacement damage irradiations in a Low-Enriched, open-pool, water moderated, thermal neutron reactor. VPT Rad uses flat-plate type fuel, and having a maximum thermal energy output of up to 1MW. The Fast Neutron Irradiator (FNI) faces one side of the reactor core, the design produces a geometrical planar beam of fast neutrons that is approximately uniform over an area of 12in × 20in. Lead and thermal neutron absorbing compounds are combined to filter out both fission gammas and thermal neutrons. The ratio of fast-to-thermal neutrons is approximately 400:1, with a gamma exposure of less than 150rad (Si) for a $1\text{E}12\text{ n/cm}^2$ (1MeV Si equivalent) exposure. The FNI can accommodate a sample or samples with size up to 30cm in diameter and 15 cm thick including packaging materials. The minimum neutron fluence rate is $1\text{E}6\text{ n/cm}^2\text{-s}$. The maximum neutron fluence rate is approximately $1.0\text{E}11\text{ n/cm}^2\text{-s}$. Both values are 1MeV Si equivalent.

The neutron fluence rate is determined using the previously measured neutron radiation field for the FNI, performed in accordance with ASTM standards (ASTM F1190), and correlated to the measured reactor power level. The neutron dose is timed to meet the customer-specified fluence for the irradiation. Neutron dosimetry meeting ASTM standards (ASTM E265) is used to track and verify irradiations meet the required minimum. The facility retains source-suitability with the Defense Logistics Agency (DLA) Laboratory Suitability Program for ASTM Test Method 1017. The DUTS are typically irradiation in an unbiased condition as per TM1017. If bias conditions are required, the conditions can be maintained through dry thimbles connected to the irradiation volume.

2.3 Test Setup Details

Devices were irradiated at three fluence levels in unbiased conditions: $1.0 \times 10^{12}\text{ n/cm}^2$, $5.0 \times 10^{12}\text{ n/cm}^2$ and $1.0 \times 10^{13}\text{ n/cm}^2$. See the details in the following table.

2.4 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
Control Units	3	N/A	N/A

3 NDD Characterization Test Results

3.1 NDD Characterization Summary Results

The results show that all devices were fully functional and within specification limits. A sample size of twelve units were exposed for neutron irradiation and additional unirradiated control units were used as correlation. Overall, the TPS7H3124-SP showed a strong degree of hardness to Neutron irradiation up to fluence level $1 \times 10^{13} \text{ n/cm}^2$. 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 $1.0 \times 10^{13} \text{ n/cm}^2$.

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 [TPS7H3xx4-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with watchdog](#) data sheet for the data sheet electrical parameters and associated tests.

See [Appendix A](#) for NDD report up to $1 \times 10^{13} \text{ n/cm}^2$.

3.2 Specification Compliance Matrix

3.2.1 Electrical Characteristics

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
SUPPLY VOLTAGES AND CURRENTS							
V _{IN} quiescent current	V _{SR_UVLO} > V _{TH_SR_UVLO_RISING} (MAX)	1, 2, 3		1.5	2.5	mA	6.5, 6.6, 6.7, 6.8
V _{IN} shutdown current	V _{SR_UVLO} = 0	1, 2, 3		1.5	2.1		6.1 and 6.0
V _{IN} rising undervoltage lockout		1, 2, 3	2.73	2.80	2.88	V	6.38
V _{IN} falling undervoltage lockout		1, 2, 3	2.58	2.65	2.72		6.39
Internal linear regulator output voltage	4V ≤ V _{IN} ≤ 14V	1, 2, 3	3.23	3.29	3.37	V	6.10 and 6.11
	V _{IN} = 3V	1, 2, 3	98%	99%		× V _{IN}	6.9
VLDO maximum current	3.65V ≤ V _{IN} ≤ 14V, VLDO= 98.5% × VLDO _(NOM)	1, 2, 3			5	mA	6.12, 6.13
Internal bandgap voltage		1, 2, 3	1.188	1.2	1.212	V	6.14 and 6.15
IN power on reset voltage	1.6V ≤ V _{PULL_UPx} ≤ 7V, V _{OL} ≤ 320mV with I _{RESETx} = −1mA	1, 2, 3		1.42	2		6.40, 6.41, 6.42, 6.43, 6.44, 6.45, 6.46, 6.47, 6.48, 6.49
V _{HYS}	R _{HYS} = 49.9kΩ	1, 2, 3	1.164	1.2	1.236		6.51
SENSE1 TO SENSE4, SR_UVLO, WDI AND MODE COMPARATOR INPUTS							
Threshold voltage at SENSEx		1, 2, 3	593.1	599.7	604.9	mV	13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 13.10, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.18, 13.19, 13.20, 13.21, 13.22, 13.23, 13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32
SENSEx hysteresis current	V _{SENSEx} = 700mV	1, 2, 3	23.28	24	24.72	μA	6.26, 6.27, 6.28, 6.29, 6.30, 6.31, 6.32, 6.33
Input leakage current at SENSEx	V _{SENSEx} = 500mV	1, 2, 3		1	100	nA	6.18, 6.19, 6.20, 6.21, 6.22, 6.23, 6.24, 6.25
Rising threshold voltage at SR_SVLO		1, 2, 3	580	602	618	mV	13.33, 13.36, 13.39, 13.42
Falling threshold voltage at SR_SVLO		1, 2, 3	475	499	517		13.34, 13.37, 13.40, 13.43
Input leakage current at SR_SVLO	V _{SR_UVLO} = 7V	1, 2, 3		2	100	nA	6.16 and 6.17
Rising threshold voltage at WDI		1, 2, 3	578	602	624	mV	13.45
Falling threshold voltage at WDI		1, 2, 3	473	498	521	mV	13.46
Input leakage current at WDI	V _{WDI} = 7V	1, 2, 3		1.4	100	nA	6.38 and 6.39
Rising threshold voltage at MODE		1, 2, 3	576	600	623	mV	13.48
Falling threshold voltage at MODE		1, 2, 3	475	498	520	mV	13.49
Input leakage current at MODE	V _{MODE} = 7V	1, 2, 3		1	100	nA	6.36, 6.37

3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
RESET1 TO RESET4, PWRGD AND WDO OPEN DRAIN								
RESETx leakage current	V _{RESETx} = 7V		1, 2, 3		23	600	nA	6.52, 6.53, 6.54, 6.55, 6.58, 6.59, 6.60, 6.61
PWRGD leakage current			1, 2, 3		23	600		6.56, 6.62
WDO leakage current			1, 2, 3		23	600		6.57, 6.63
RESET NMOS sink output resistance			1, 2, 3		131	200	Ω	18.7, 18.8, 18.9, 18.10, 18.13, 18.14, 18.15, 18.16, 18.19, 18.20, 18.20, 18.22
PWRGD NMOS sink output resistance			1, 2, 3		131	200		18.5, 18.11, 18.17, 18.23
WDO NMOS sink output resistance			1, 2, 3		131	200		18.6, 18.12, 18.18, 18.24
Low level RESETx output voltage	1.6V ≤ V _{PULL_UP} ≤ 7V	I _{LOAD} = -2mA	1, 2, 3		0.262	0.4	V	6.64, 6.65, 6.66, 6.67, 6.70, 6.71, 6.72, 6.73, 6.76, 6.77, 6.78, 6.79, 6.82, 6.83, 6.84, 6.85
		I _{LOAD} = -10mA	1, 2, 3		1.31	2		6.88, 6.89, 6.90, 6.91, 6.94, 6.95, 6.96, 6.97, 6.100, 6.101, 6.102, 6.103, 6.106, 6.107, 6.108, 6.109
Low level PWRGD output voltage	1.6V ≤ V _{PULL_UP} ≤ 7V	I _{LOAD} = -2mA	1, 2, 3		0.262	0.4		

3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
		I _{LOAD} = -10mA	1, 2, 3		1.31	2		6.93, 6.99, 6.105, 6.111
Low level WDO output voltage	1.6V ≤ V _{PULL_UP} ≤ 7V	I _{LOAD} = -2mA	1, 2, 3		0.262	0.4		6.68, 6.74, 6.80, 6.86
		I _{LOAD} = -10mA	1, 2, 3		1.31	2		6.92, 6.98, 6.104, 6.110
DELAY AND WATCHDOG TIMERS								
Delay time	R _{DLY_TMR} = 10.5kΩ		1, 2, 3	0.22	0.26	0.33	ms	5.21, 5.22, 5.24, 5.25, 5.26, 5.39, 5.40, 5.42, 5.43, 5.44, 5.57, 5.58, 5.60, 5.61, 5.62, 5.75, 5.76, 5.78, 5.79, 5.80
	R _{DLY_TMR} = 619kΩ		1, 2, 3	11.3	12.5	13.7		5.27, 5.28, 5.30, 5.31, 5.32, 5.45, 5.46, 5.48, 5.49, 5.50, 5.63, 5.64, 5.66, 5.67, 5.68, 5.81, 5.82, 5.84, 5.85, 5.86
	R _{DLY_TMR} = 1.18MΩ		1, 2, 3	21.3	23.7	26.2		5.33, 5.34, 5.36, 5.37, 5.38, 5.51, 5.52, 5.54, 5.55, 5.56, 5.69, 5.70, 5.72, 5.73, 5.74, 5.87, 5.88, 5.90, 5.91, 5.92
Watchdog time-out	R _{WD_TMR} = 56.2kΩ		1, 2, 3	0.43	0.52	0.57	s	5.23, 5.41, 5.59, 5.77
	R _{WD_TMR} = 118kΩ		1, 2, 3	0.8	1	1.2		5.29, 5.47, 5.65, 5.83
	R _{WD_TMR} = 174kΩ		1, 2, 3	1.34	1.5	1.7		5.35, 5.53, 5.71, 5.89

3.2.2 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		0.3	2.8	ms	6.50
RESET propagation delay			1, 2, 3		2.6	4.9	μs	5.1, 5.2, 5.4, 5.5, 5.6, 5.7, 5.9, 5.10, 5.11, 5.12, 5.14, 5.15, 5.16, 5.17, 5.19, 5.20
PWRGD propagation delay			1, 2, 3		2.6	4.9	μs	5.3, 5.8, 5.13, 5.18
SR_UVLO propagation delay	V_{SR_FAULT} = Falling from 1V to 0V in 10ns, V_{SENSEX} = 610mV, from 50% of V_{SR_UVLO} to 50% of V_{PWRGD}		1, 2, 3		0.92	2	μs	5.105, 5.106, 5.107, 5.108
WDI propagation delay		$t_{WD_TMR} = 0.52s$	1, 2, 3		30	48	μs	5.93, 5.94, 5.95, 5.96
		$t_{WD_TMR} = 1s$			54	94		5.97, 5.98, 5.99, 5.100
		$t_{WD_TMR} = 1.5s$			76	131		5.101, 5.102, 5.103, 5.104
WDI minimum pulse width			4, 5, 6	2			$\times t_{WD_OSC}$	25.11, 25.12, 25.13, 25.14, 25.15, 25.16
SR_UVLO minimum pulse width for valid reset			4, 5, 6		0.61	1.1	μs	25.1, 25.2
VSENSEX hold time for valid fault detection		$C_{LOAD} = 100pF$, $V_{OVERDRIVE} = 100mV $	4, 5, 6		0.56	2.2	μs	25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 25.10

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H3xx4-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with Watchdog](#), data sheet.
- Texas Instruments, *TPS7H3xx4EVM-CVAL Evaluation Module User's Guide*, user's guide.

4.2 Reference Documents

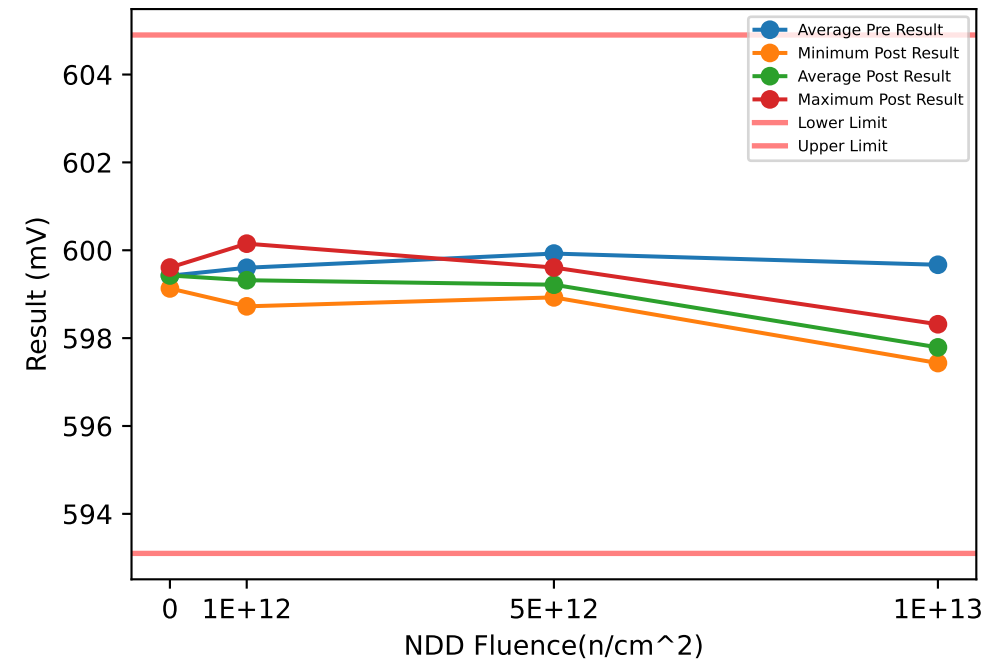
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

A Appendix: NDD Report Data

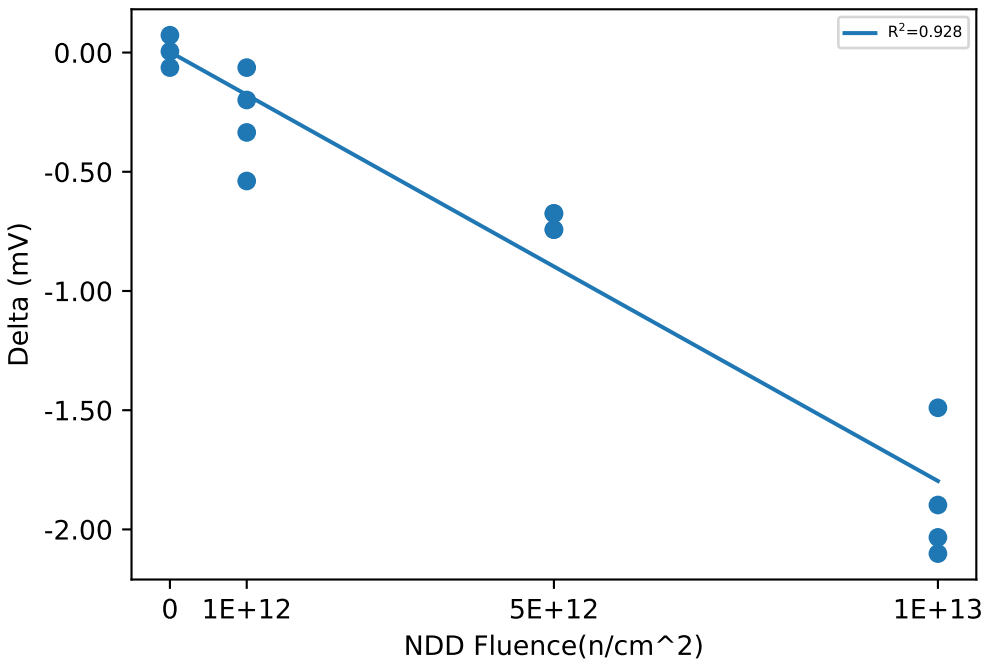
This appendix contains the NDD report data.

Device Test: 13.1; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

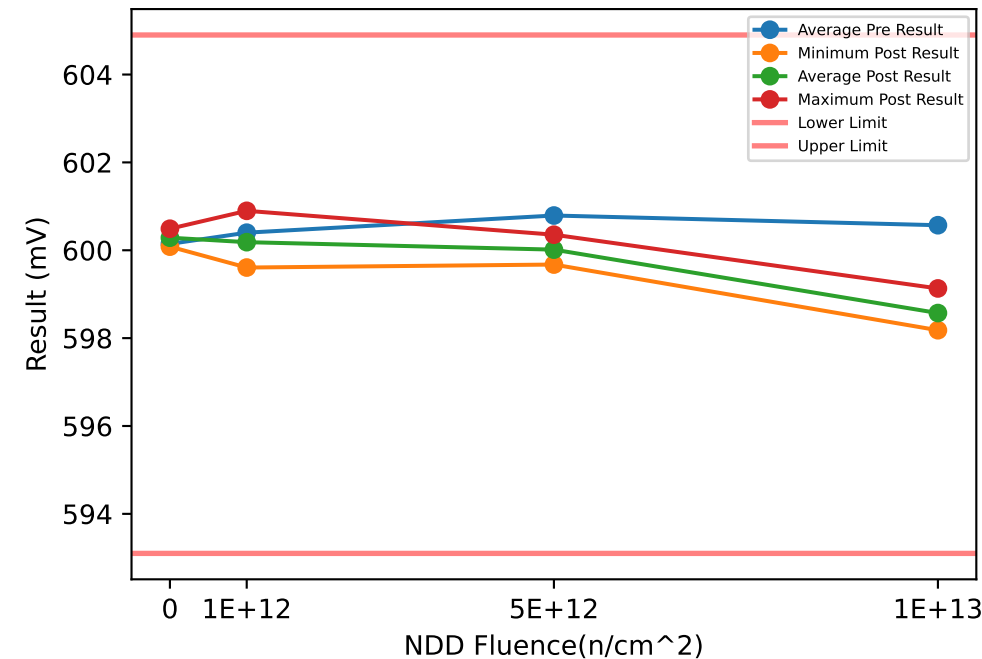
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.79	598.72	-0.0632
315	1e+12	NDD Unbiased	600.49	600.15	-0.335
316	1e+12	NDD Unbiased	600.15	599.61	-0.5387
317	1e+12	NDD Unbiased	598.99	598.79	-0.199
318	5e+12	NDD Unbiased	599.6	598.93	-0.6746
319	5e+12	NDD Unbiased	599.74	599	-0.7426
320	5e+12	NDD Unbiased	600.01	599.34	-0.6747
321	5e+12	NDD Unbiased	600.35	599.61	-0.7426
322	1e+13	NDD Unbiased	599.81	598.32	-1.4899
323	1e+13	NDD Unbiased	599.53	597.5	-2.0334
324	1e+13	NDD Unbiased	599.81	597.91	-1.8976
325	1e+13	NDD Unbiased	599.53	597.43	-2.1014
326	0	Correlation	599.6	599.61	0.0048
327	0	Correlation	599.6	599.54	-0.0631
328	0	Correlation	599.06	599.13	0.0728

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	599.06	599.42	599.6	0.31385	599.13	599.43	599.61	0.25724	-0.0631	0.0048333	0.0728	0.06795
1e+12	598.79	599.6	600.49	0.8395	598.72	599.32	600.15	0.68478	-0.5387	-0.28397	-0.0632	0.20286
5e+12	599.6	599.92	600.35	0.32996	598.93	599.22	599.61	0.31564	-0.7426	-0.70862	-0.6746	0.039231
1e+13	599.53	599.67	599.81	0.15692	597.43	597.79	598.32	0.40908	-2.1014	-1.8806	-1.4899	0.27388

Device Test: 13.10; VTH_SENSE

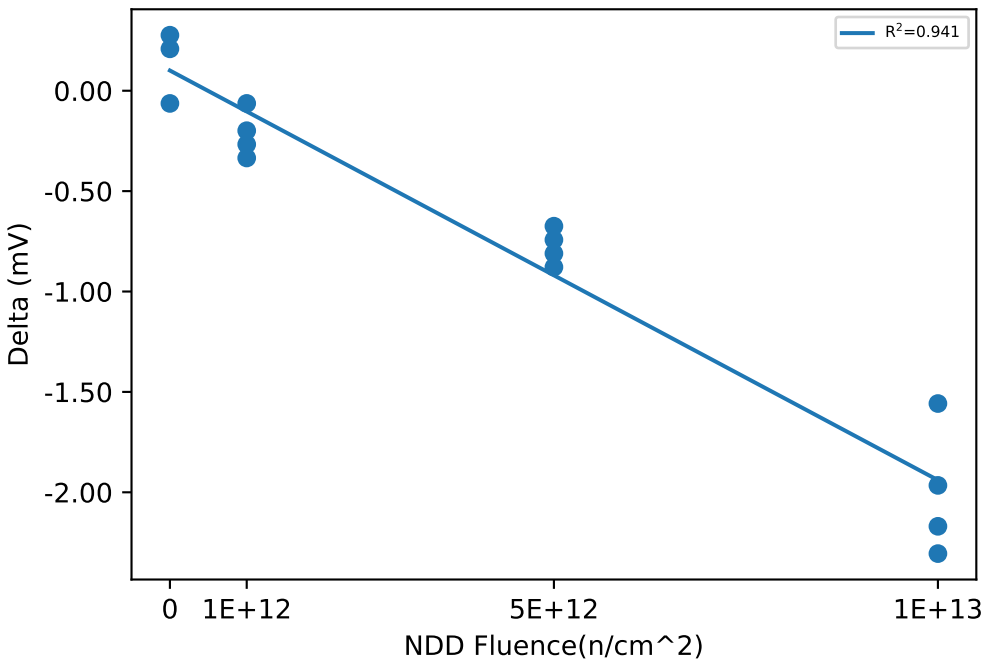
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.67	599.61	-0.0631
315	1e+12	NDD Unbiased	601.16	600.9	-0.267
316	1e+12	NDD Unbiased	600.69	600.49	-0.199
317	1e+12	NDD Unbiased	600.08	599.74	-0.3349
318	5e+12	NDD Unbiased	600.62	599.81	-0.8105
319	5e+12	NDD Unbiased	600.55	599.67	-0.8784
320	5e+12	NDD Unbiased	600.89	600.22	-0.6746
321	5e+12	NDD Unbiased	601.1	600.35	-0.7425
322	1e+13	NDD Unbiased	600.69	599.13	-1.5579
323	1e+13	NDD Unbiased	600.49	598.18	-2.3053
324	1e+13	NDD Unbiased	600.62	598.66	-1.9656
325	1e+13	NDD Unbiased	600.49	598.32	-2.1694
326	0	Correlation	600.28	600.49	0.2087
327	0	Correlation	600.35	600.29	-0.0632
328	0	Correlation	599.81	600.08	0.2766

NDD vs Post - Pre Exposure Delta

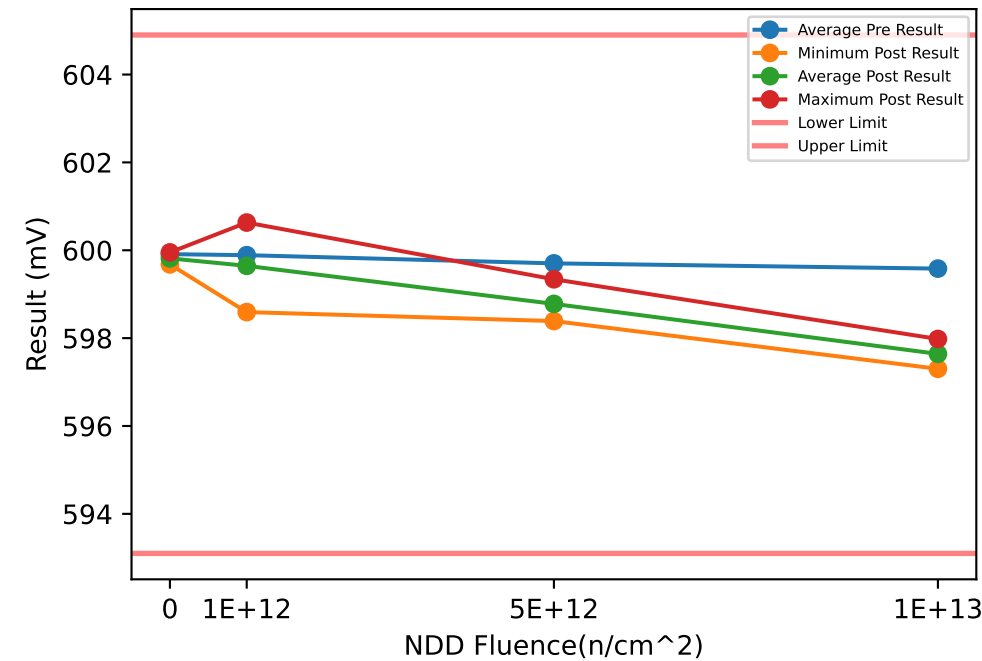


Test Statistics (mV)

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	599.81	600.15	600.35	0.29618	600.08	600.29	600.49	0.20385	-0.0632	0.1407	0.2766	0.17982
1e+12	599.67	600.4	601.16	0.65963	599.61	600.18	600.9	0.614	-0.3349	-0.216	-0.0631	0.11605
5e+12	600.55	600.79	601.1	0.25114	599.67	600.01	600.35	0.32345	-0.8784	-0.7765	-0.6746	0.08771
1e+13	600.49	600.57	600.69	0.10191	598.18	598.57	599.13	0.42385	-2.3053	-1.9996	-1.5579	0.32585

Device Test: 13.11; VTH_SENSE

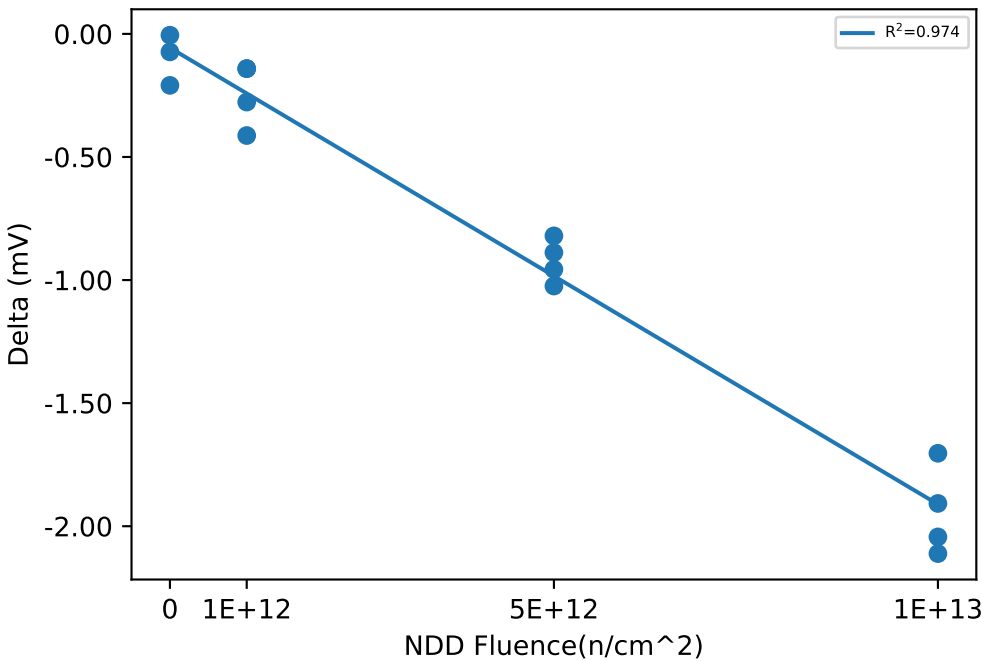
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.01	598.59	-0.4129
315	1e+12	NDD Unbiased	600.91	600.63	-0.277
316	1e+12	NDD Unbiased	600.16	600.02	-0.1412
317	1e+12	NDD Unbiased	599.48	599.34	-0.1411
318	5e+12	NDD Unbiased	599.48	598.66	-0.8204
319	5e+12	NDD Unbiased	599.68	598.73	-0.9564
320	5e+12	NDD Unbiased	600.36	599.34	-1.0243
321	5e+12	NDD Unbiased	599.28	598.39	-0.8884
322	1e+13	NDD Unbiased	599.01	597.3	-1.7037
323	1e+13	NDD Unbiased	599.96	597.91	-2.0434
324	1e+13	NDD Unbiased	599.89	597.98	-1.9075
325	1e+13	NDD Unbiased	599.48	597.37	-2.1112
326	0	Correlation	600.02	599.82	-0.2091
327	0	Correlation	599.68	599.68	-0.0053
328	0	Correlation	600.02	599.95	-0.0732

NDD vs Post - Pre Exposure Delta

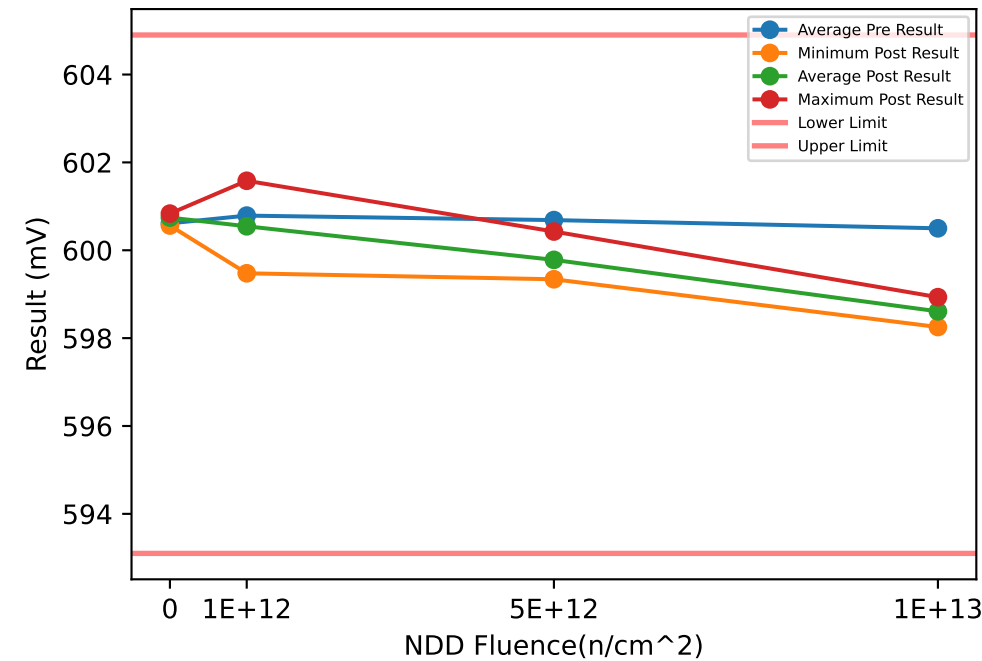


Test Statistics (mV)

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	599.68	599.91	600.02	0.19613	599.68	599.82	599.95	0.1359	-0.2091	-0.095867	-0.0053	0.10377
1e+12	599.01	599.89	600.91	0.82835	598.59	599.65	600.63	0.87794	-0.4129	-0.24305	-0.1411	0.13009
5e+12	599.28	599.7	600.36	0.47191	598.39	598.78	599.34	0.40143	-1.0243	-0.92238	-0.8204	0.087749
1e+13	599.01	599.58	599.96	0.43854	597.3	597.64	597.98	0.35517	-2.1112	-1.9415	-1.7037	0.17971

Device Test: 13.12; VTH_SENSE

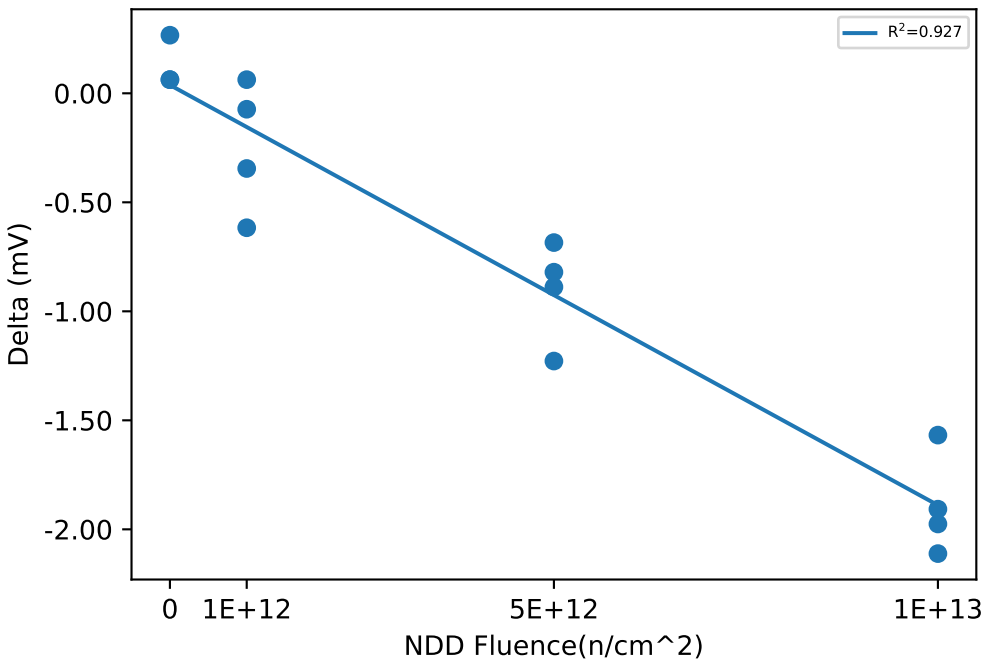
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	600.09	599.48	-0.6167
315	1e+12	NDD Unbiased	601.65	601.58	-0.0731
316	1e+12	NDD Unbiased	601.25	600.9	-0.3449
317	1e+12	NDD Unbiased	600.16	600.22	0.0626
318	5e+12	NDD Unbiased	600.36	599.54	-0.8205
319	5e+12	NDD Unbiased	600.7	599.82	-0.8884
320	5e+12	NDD Unbiased	601.11	600.43	-0.6847
321	5e+12	NDD Unbiased	600.57	599.34	-1.2281
322	1e+13	NDD Unbiased	599.82	598.25	-1.5678
323	1e+13	NDD Unbiased	600.98	598.86	-2.1113
324	1e+13	NDD Unbiased	600.84	598.93	-1.9075
325	1e+13	NDD Unbiased	600.36	598.39	-1.9754
326	0	Correlation	600.57	600.83	0.2665
327	0	Correlation	600.5	600.56	0.0627
328	0	Correlation	600.77	600.83	0.0626

NDD vs Post - Pre Exposure Delta

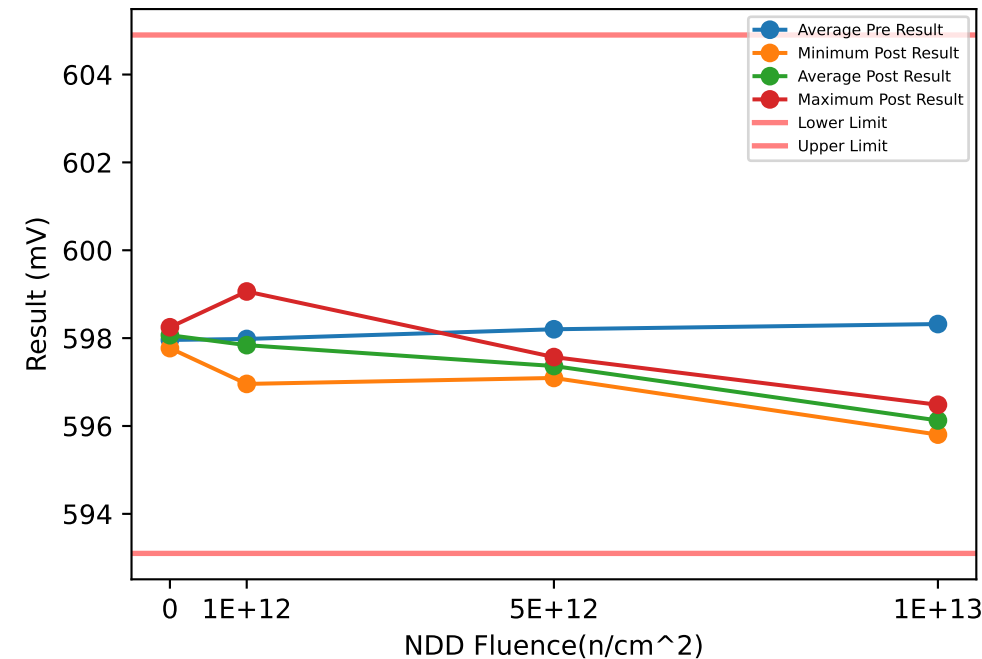


Test Statistics (mV)

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	600.61	600.77	0.14146	600.56	600.74	600.83	0.15687	0.0626	0.1306	0.2665	0.11769
1e+12	600.09	600.79	601.65	0.7832	599.48	600.55	601.58	0.90365	-0.6167	-0.24303	0.0626	0.30127
5e+12	600.36	600.69	601.11	0.31566	599.34	599.78	600.43	0.47232	-1.2281	-0.90543	-0.6847	0.23119
1e+13	599.82	600.5	600.98	0.52334	598.25	598.61	598.93	0.33914	-2.1113	-1.8905	-1.5678	0.23122

Device Test: 13.13; VTH_SENSE

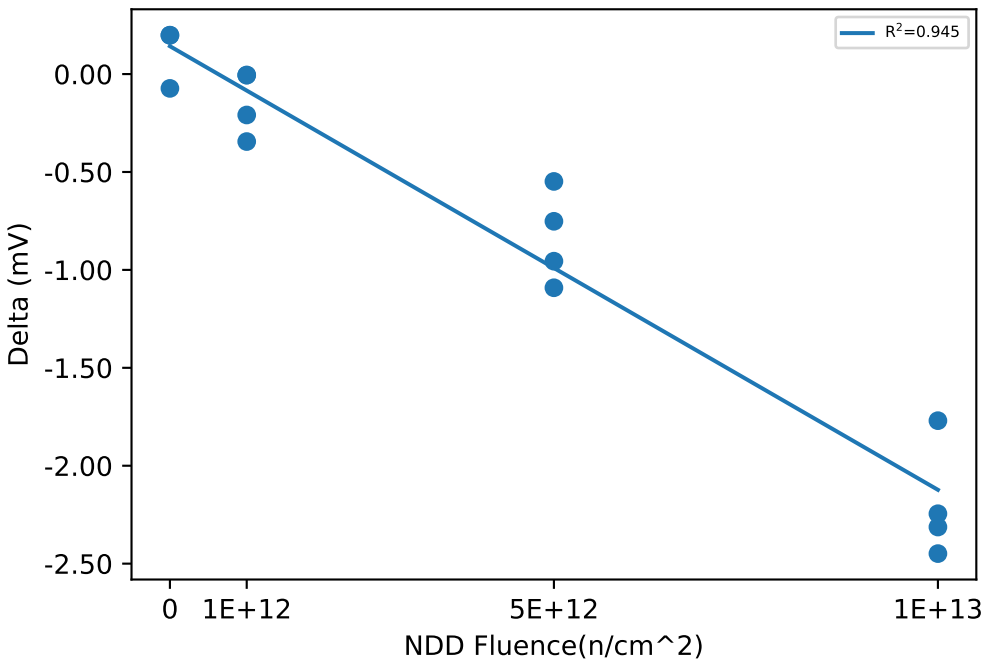
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	596.96	596.96	-0.0052
315	1e+12	NDD Unbiased	599.27	599.06	-0.2089
316	1e+12	NDD Unbiased	598.18	598.18	-0.0052
317	1e+12	NDD Unbiased	597.51	597.16	-0.3446
318	5e+12	NDD Unbiased	597.85	597.09	-0.7518
319	5e+12	NDD Unbiased	598.39	597.43	-0.9555
320	5e+12	NDD Unbiased	597.91	597.37	-0.5482
321	5e+12	NDD Unbiased	598.66	597.57	-1.0912
322	1e+13	NDD Unbiased	598.93	596.48	-2.4487
323	1e+13	NDD Unbiased	598.18	595.94	-2.2451
324	1e+13	NDD Unbiased	598.05	596.28	-1.7699
325	1e+13	NDD Unbiased	598.12	595.8	-2.313
326	0	Correlation	597.98	598.18	0.1985
327	0	Correlation	597.85	597.77	-0.0731
328	0	Correlation	598.05	598.25	0.1984

NDD vs Post - Pre Exposure Delta

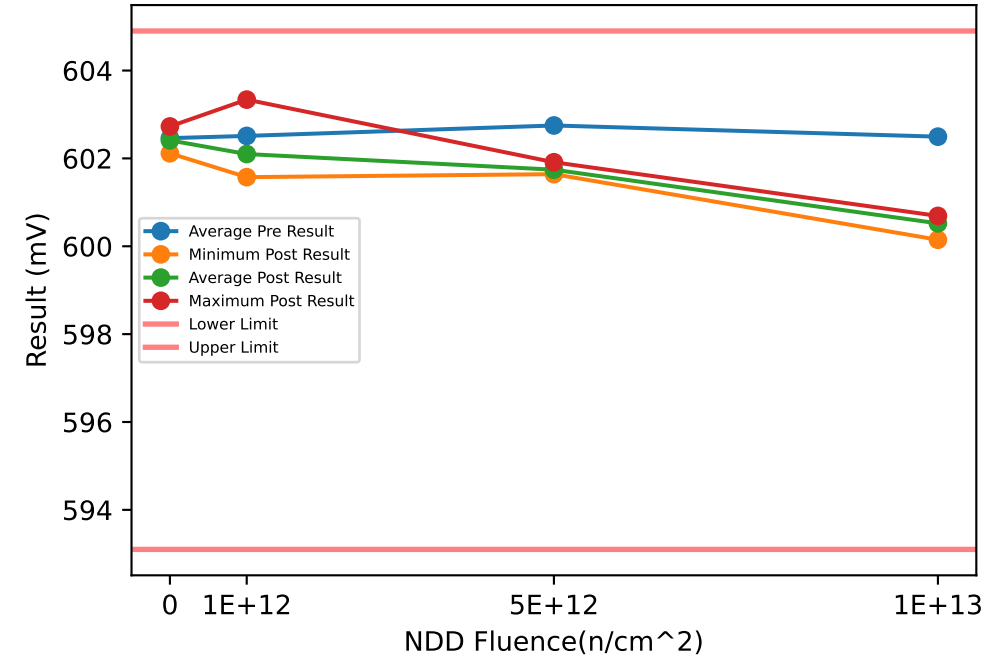


Test Statistics (mV)

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	597.85	597.96	598.05	0.10366	597.77	598.07	598.25	0.25697	-0.0731	0.10793	0.1985	0.15678
1e+12	596.96	597.98	599.27	0.9945	596.96	597.84	599.06	0.97419	-0.3446	-0.14097	-0.0052	0.16628
5e+12	597.85	598.2	598.66	0.38941	597.09	597.37	597.57	0.1998	-1.0912	-0.83668	-0.5482	0.23757
1e+13	598.05	598.32	598.93	0.41101	595.8	596.13	596.48	0.31045	-2.4487	-2.1942	-1.7699	0.29524

Device Test: 13.14; VTH_SENSE

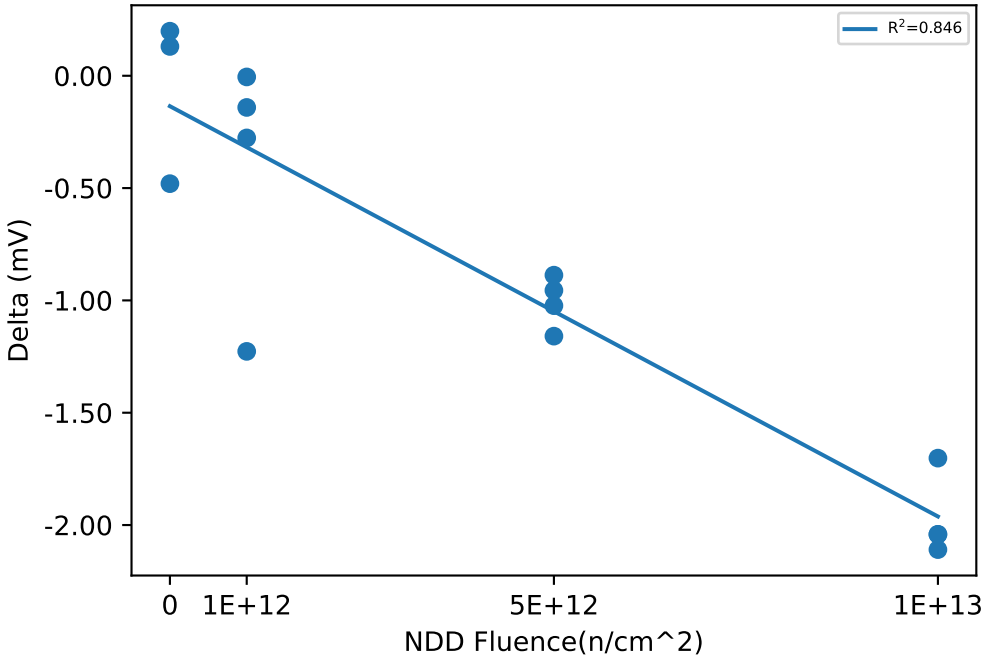
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.92	601.64	-0.2767
315	1e+12	NDD Unbiased	603.34	603.34	-0.0052
316	1e+12	NDD Unbiased	603.07	601.84	-1.2269
317	1e+12	NDD Unbiased	601.71	601.57	-0.141
318	5e+12	NDD Unbiased	602.53	601.64	-0.8876
319	5e+12	NDD Unbiased	602.8	601.64	-1.1591
320	5e+12	NDD Unbiased	602.8	601.78	-1.0234
321	5e+12	NDD Unbiased	602.87	601.91	-0.9554
322	1e+13	NDD Unbiased	602.39	600.69	-1.7021
323	1e+13	NDD Unbiased	602.19	600.15	-2.0415
324	1e+13	NDD Unbiased	602.73	600.69	-2.0415
325	1e+13	NDD Unbiased	602.66	600.56	-2.1093
326	0	Correlation	602.26	602.39	0.1305
327	0	Correlation	602.6	602.12	-0.4803
328	0	Correlation	602.53	602.73	0.1984

NDD vs Post - Pre Exposure Delta

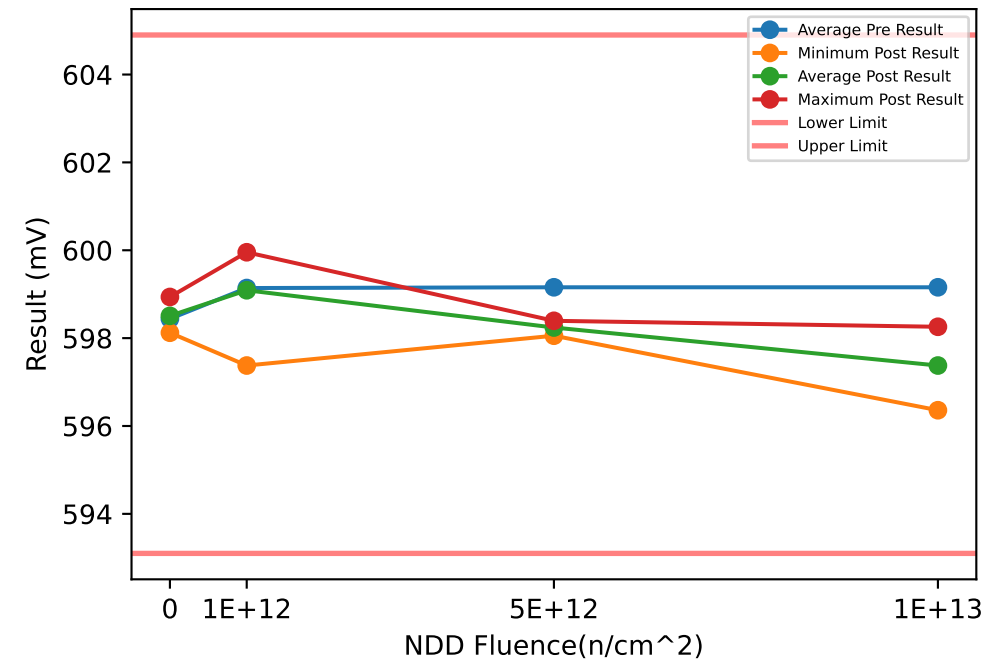


Test Statistics (mV)

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	602.26	602.46	602.6	0.17955	602.12	602.41	602.73	0.30608	-0.4803	-0.050467	0.1984	0.37379
1e+12	601.71	602.51	603.34	0.81516	601.57	602.1	603.34	0.8338	-1.2269	-0.41245	-0.0052	0.55416
5e+12	602.53	602.75	602.87	0.15048	601.64	601.74	601.91	0.12997	-1.1591	-1.0064	-0.8876	0.11593
1e+13	602.19	602.49	602.73	0.25092	600.15	600.52	600.69	0.25697	-2.1093	-1.9736	-1.7021	0.1838

Device Test: 13.15; VTH_SENSE

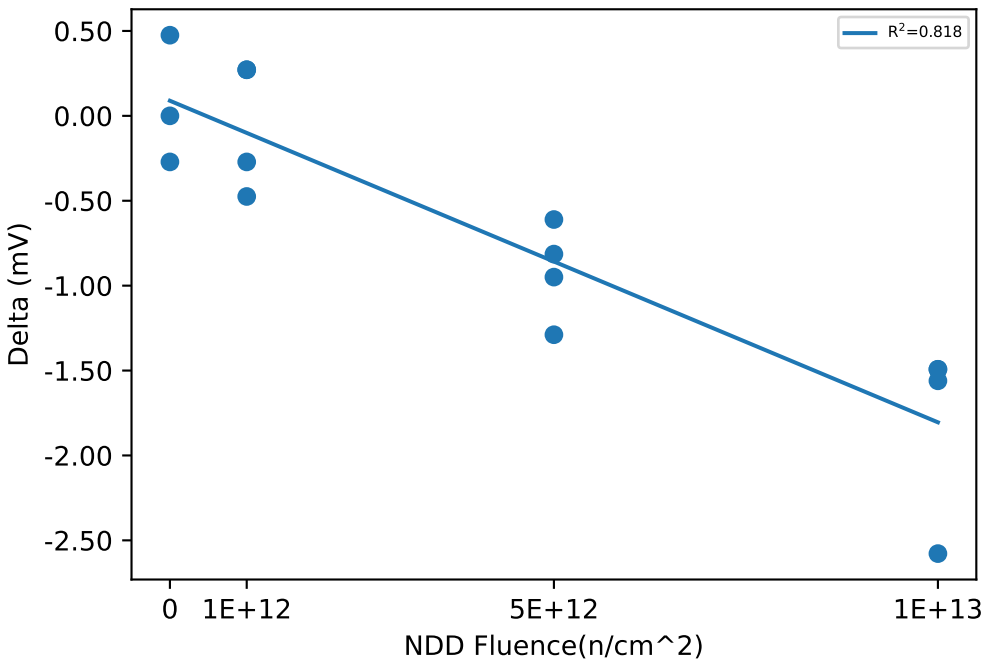
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.94	599.21	0.2714
315	1e+12	NDD Unbiased	600.09	599.82	-0.2713
316	1e+12	NDD Unbiased	599.68	599.95	0.2714
317	1e+12	NDD Unbiased	597.85	597.38	-0.4748
318	5e+12	NDD Unbiased	598.87	598.05	-0.8141
319	5e+12	NDD Unbiased	599	598.39	-0.6105
320	5e+12	NDD Unbiased	599.14	598.19	-0.9497
321	5e+12	NDD Unbiased	599.62	598.33	-1.289
322	1e+13	NDD Unbiased	599.75	598.26	-1.4926
323	1e+13	NDD Unbiased	599.41	596.83	-2.578
324	1e+13	NDD Unbiased	599.55	598.05	-1.4925
325	1e+13	NDD Unbiased	597.92	596.36	-1.5604
326	0	Correlation	599.21	598.94	-0.2713
327	0	Correlation	598.46	598.46	0.0001
328	0	Correlation	597.65	598.12	0.475

NDD vs Post - Pre Exposure Delta

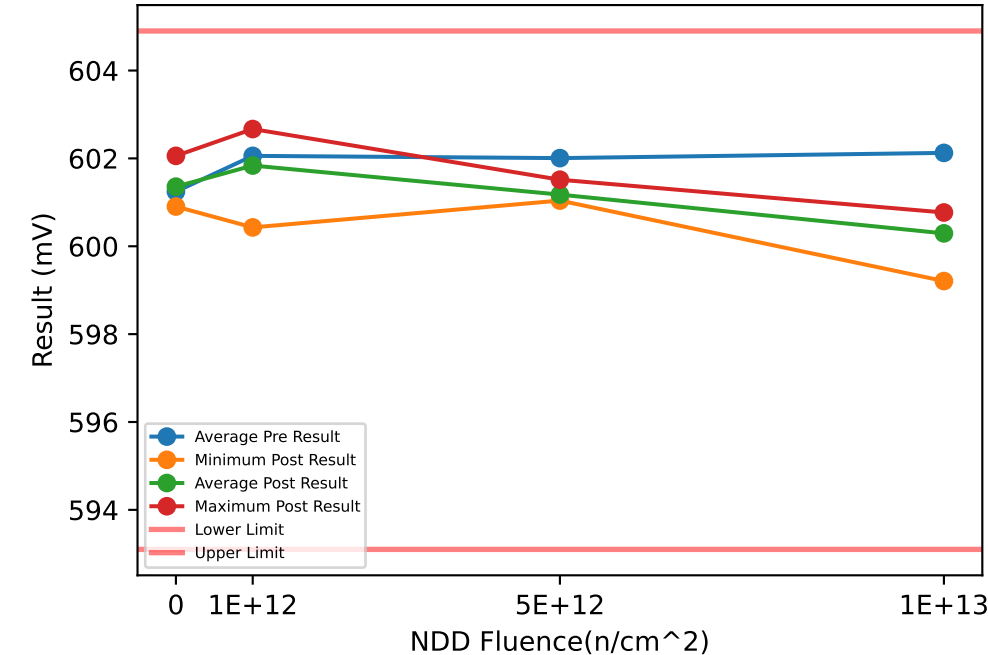


Test Statistics (mV)

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	597.65	598.44	599.21	0.78045	598.12	598.51	598.94	0.40893	-0.2713	0.067933	0.475	0.37775
1e+12	597.85	599.14	600.09	0.98316	597.38	599.09	599.95	1.1873	-0.4748	-0.050825	0.2714	0.38124
5e+12	598.87	599.16	599.62	0.32479	598.05	598.24	598.39	0.15046	-1.289	-0.91583	-0.6105	0.28518
1e+13	597.92	599.16	599.75	0.83711	596.36	597.38	598.26	0.92526	-2.578	-1.7809	-1.4925	0.53238

Device Test: 13.16; VTH_SENSE

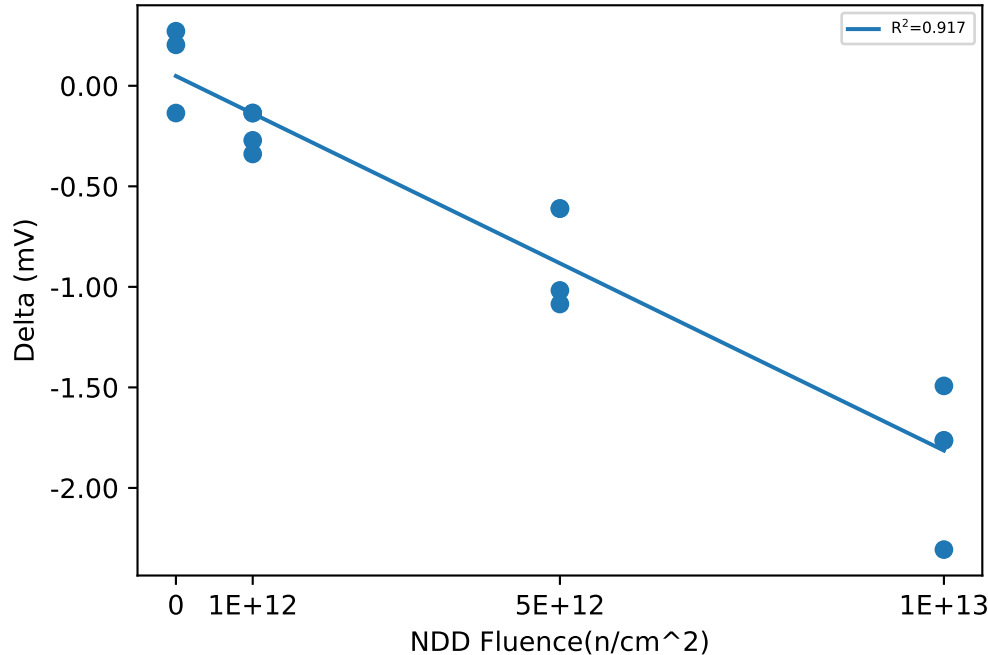
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.85	601.72	-0.1356
315	1e+12	NDD Unbiased	602.94	602.67	-0.2713
316	1e+12	NDD Unbiased	602.87	602.53	-0.3391
317	1e+12	NDD Unbiased	600.57	600.43	-0.1356
318	5e+12	NDD Unbiased	601.65	601.04	-0.6106
319	5e+12	NDD Unbiased	602.06	601.04	-1.0176
320	5e+12	NDD Unbiased	602.13	601.51	-0.6105
321	5e+12	NDD Unbiased	602.19	601.11	-1.0854
322	1e+13	NDD Unbiased	602.13	600.63	-1.4925
323	1e+13	NDD Unbiased	602.33	600.57	-1.7639
324	1e+13	NDD Unbiased	603.08	600.77	-2.3067
325	1e+13	NDD Unbiased	600.97	599.21	-1.7639
326	0	Correlation	601.79	602.06	0.2715
327	0	Correlation	601.24	601.11	-0.1356
328	0	Correlation	600.7	600.9	0.2036

NDD vs Post - Pre Exposure Delta

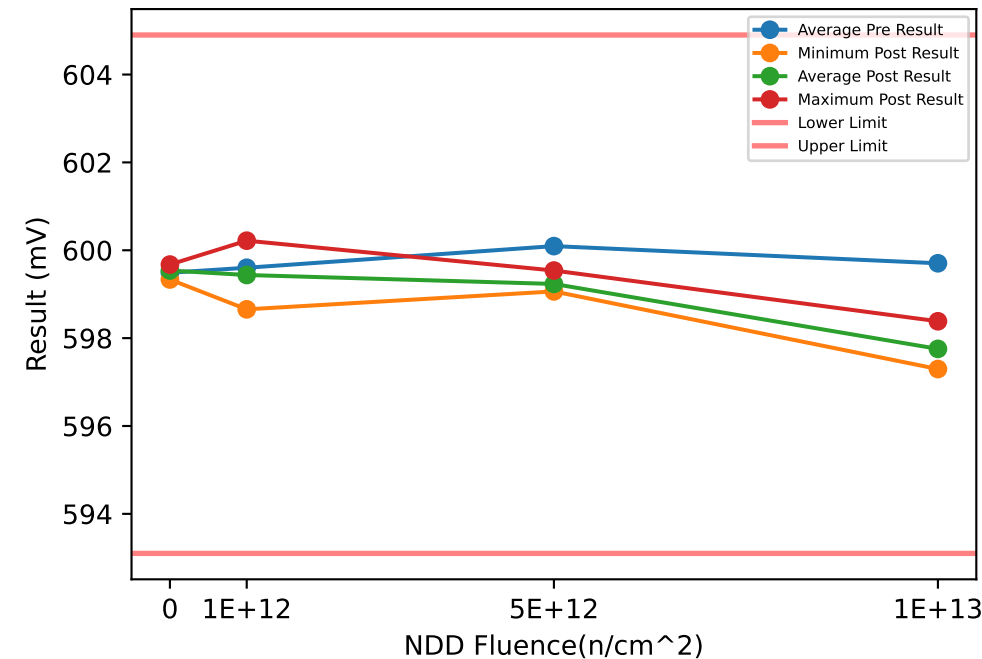


Test Statistics (mV)

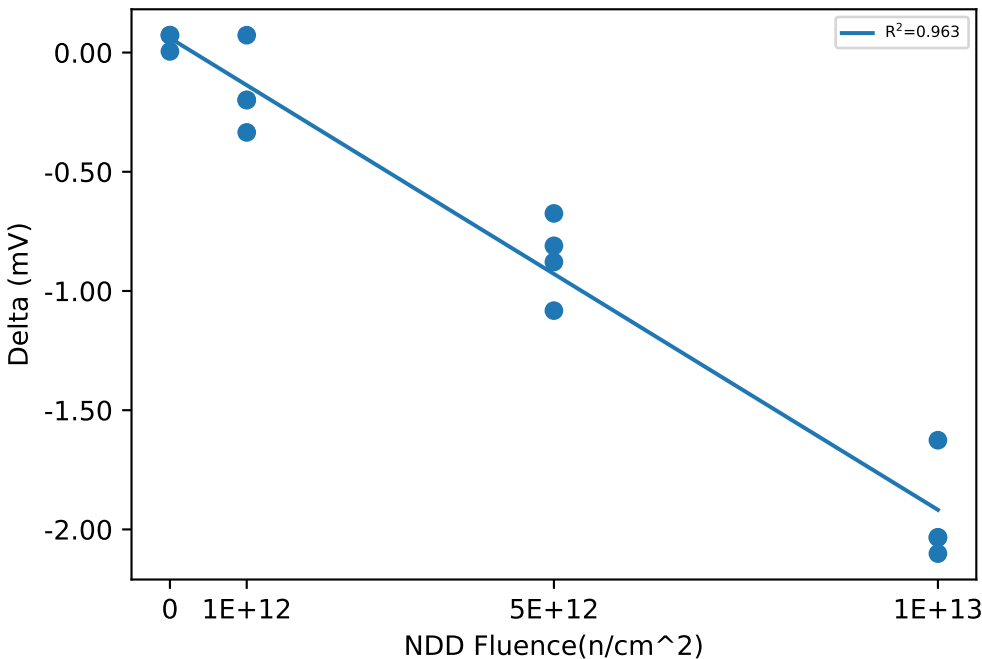
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.7	601.24	601.79	0.54275	600.9	601.36	602.06	0.61562	-0.1356	0.11317	0.2715	0.2181
1e+12	600.57	602.06	602.94	1.1121	600.43	601.84	602.67	1.028	-0.3391	-0.2204	-0.1356	0.10176
5e+12	601.65	602.01	602.19	0.24379	601.04	601.18	601.51	0.22839	-1.0854	-0.83102	-0.6105	0.25608
1e+13	600.97	602.13	603.08	0.87061	599.21	600.29	600.77	0.7286	-2.3067	-1.8317	-1.4925	0.3415

Device Test: 13.17; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

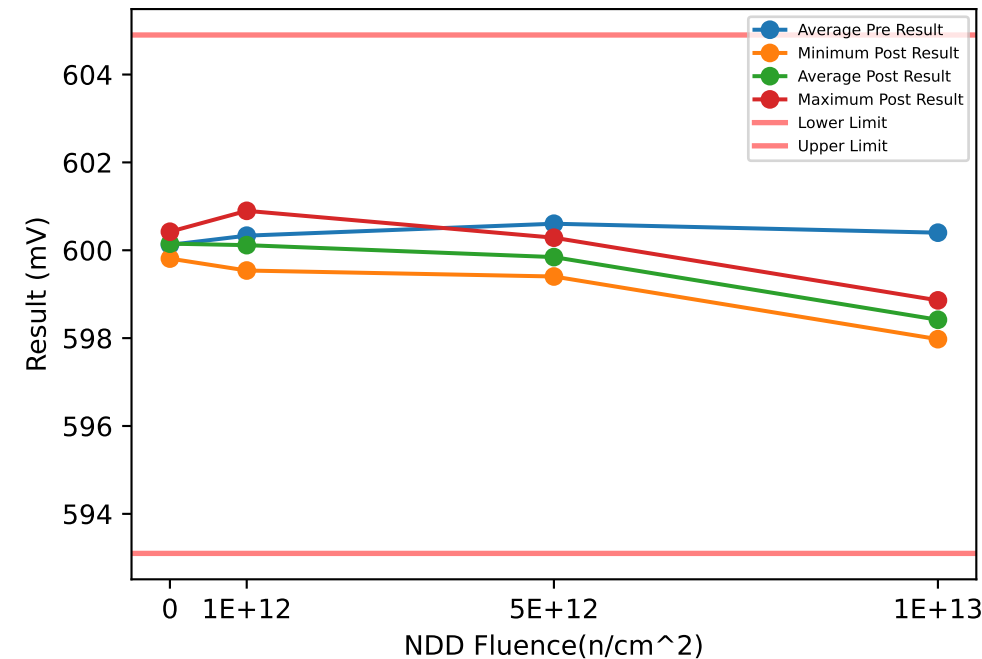
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.85	598.66	-0.199
315	1e+12	NDD Unbiased	600.42	600.22	-0.199
316	1e+12	NDD Unbiased	600.08	599.74	-0.3349
317	1e+12	NDD Unbiased	599.06	599.13	0.0728
318	5e+12	NDD Unbiased	599.74	599.06	-0.6746
319	5e+12	NDD Unbiased	599.87	599.06	-0.8105
320	5e+12	NDD Unbiased	600.15	599.27	-0.8784
321	5e+12	NDD Unbiased	600.62	599.54	-1.0823
322	1e+13	NDD Unbiased	600.01	598.38	-1.6259
323	1e+13	NDD Unbiased	599.4	597.3	-2.1014
324	1e+13	NDD Unbiased	599.94	597.91	-2.0335
325	1e+13	NDD Unbiased	599.47	597.43	-2.0335
326	0	Correlation	599.6	599.67	0.0728
327	0	Correlation	599.53	599.61	0.0728
328	0	Correlation	599.33	599.34	0.0048

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	599.33	599.49	599.6	0.14144	599.34	599.54	599.67	0.1798	0.0048	0.050133	0.0728	0.03926
1e+12	598.85	599.6	600.42	0.76267	598.66	599.44	600.22	0.68507	-0.3349	-0.16502	0.0728	0.171
5e+12	599.74	600.09	600.62	0.38982	599.06	599.23	599.54	0.22534	-1.0823	-0.86145	-0.6746	0.16987
1e+13	599.4	599.7	600.01	0.31629	597.3	597.76	598.38	0.49425	-2.1014	-1.9486	-1.6259	0.21748

Device Test: 13.18; VTH_SENSE

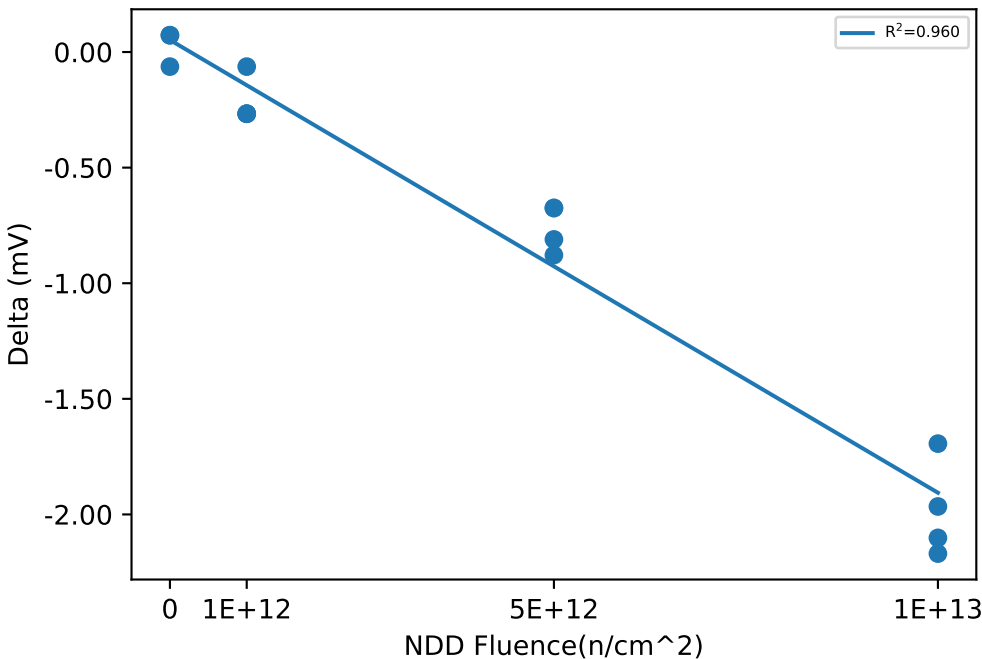
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.6	599.54	-0.0631
315	1e+12	NDD Unbiased	601.16	600.9	-0.267
316	1e+12	NDD Unbiased	600.76	600.49	-0.267
317	1e+12	NDD Unbiased	599.81	599.54	-0.2669
318	5e+12	NDD Unbiased	600.28	599.4	-0.8784
319	5e+12	NDD Unbiased	600.49	599.81	-0.6746
320	5e+12	NDD Unbiased	600.55	599.88	-0.6746
321	5e+12	NDD Unbiased	601.1	600.29	-0.8105
322	1e+13	NDD Unbiased	600.55	598.86	-1.6938
323	1e+13	NDD Unbiased	600.15	597.98	-2.1694
324	1e+13	NDD Unbiased	600.62	598.66	-1.9656
325	1e+13	NDD Unbiased	600.28	598.18	-2.1014
326	0	Correlation	600.28	600.22	-0.0631
327	0	Correlation	600.35	600.42	0.0727
328	0	Correlation	599.74	599.81	0.0728

NDD vs Post - Pre Exposure Delta

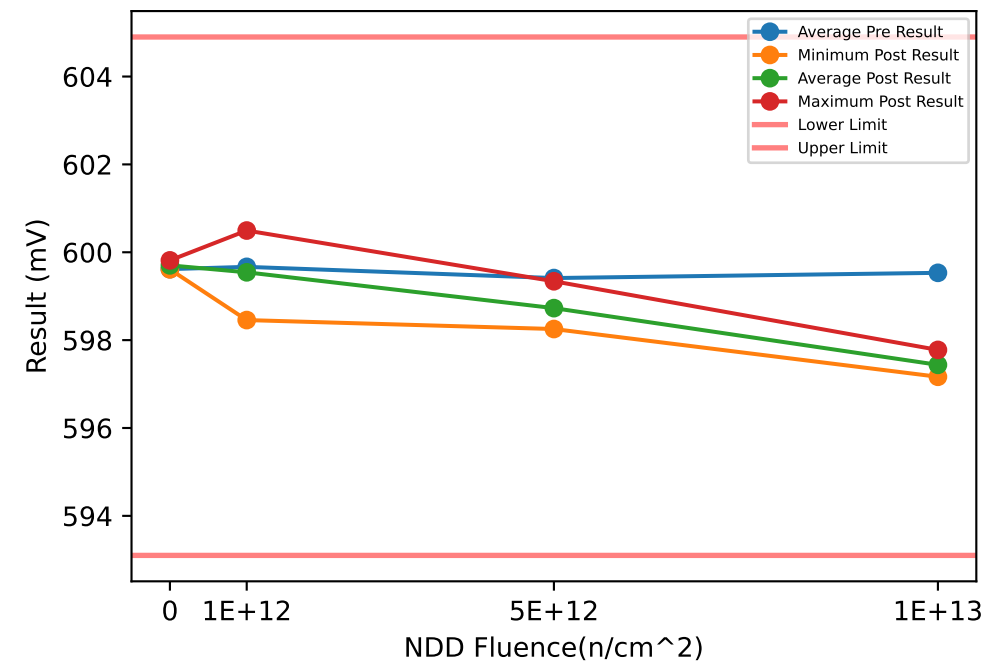


Test Statistics (mV)

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	599.74	600.12	600.35	0.33515	599.81	600.15	600.42	0.31131	-0.0631	0.027467	0.0728	0.078433
1e+12	599.6	600.33	601.16	0.7492	599.54	600.12	600.9	0.68729	-0.267	-0.216	-0.0631	0.10193
5e+12	600.28	600.6	601.1	0.34809	599.4	599.84	600.29	0.36163	-0.8784	-0.75952	-0.6746	0.10191
1e+13	600.15	600.4	600.62	0.22453	597.98	598.42	598.86	0.40956	-2.1694	-1.9825	-1.6938	0.21032

Device Test: 13.19; VTH_SENSE

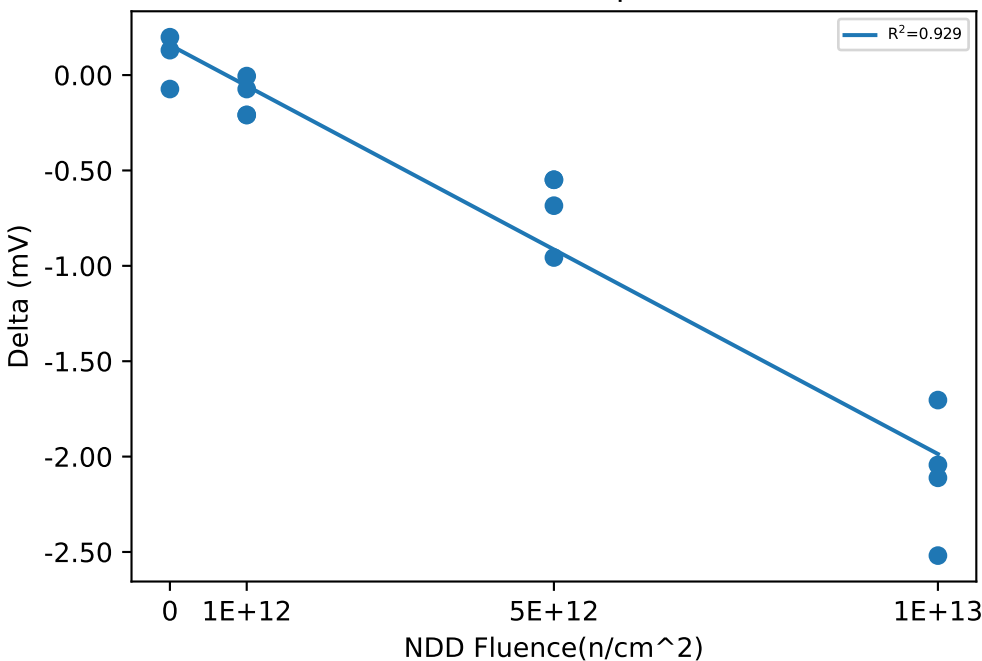
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.67	598.46	-0.2091
315	1e+12	NDD Unbiased	600.7	600.49	-0.2091
316	1e+12	NDD Unbiased	600.02	600.02	-0.0053
317	1e+12	NDD Unbiased	599.28	599.2	-0.0732
318	5e+12	NDD Unbiased	599.07	598.52	-0.5488
319	5e+12	NDD Unbiased	599.48	598.8	-0.6846
320	5e+12	NDD Unbiased	599.89	599.34	-0.5488
321	5e+12	NDD Unbiased	599.21	598.25	-0.9564
322	1e+13	NDD Unbiased	598.87	597.17	-1.7037
323	1e+13	NDD Unbiased	600.02	597.51	-2.519
324	1e+13	NDD Unbiased	599.82	597.78	-2.0434
325	1e+13	NDD Unbiased	599.41	597.3	-2.1113
326	0	Correlation	599.68	599.61	-0.0732
327	0	Correlation	599.48	599.68	0.1986
328	0	Correlation	599.68	599.82	0.1306

NDD vs Post - Pre Exposure Delta

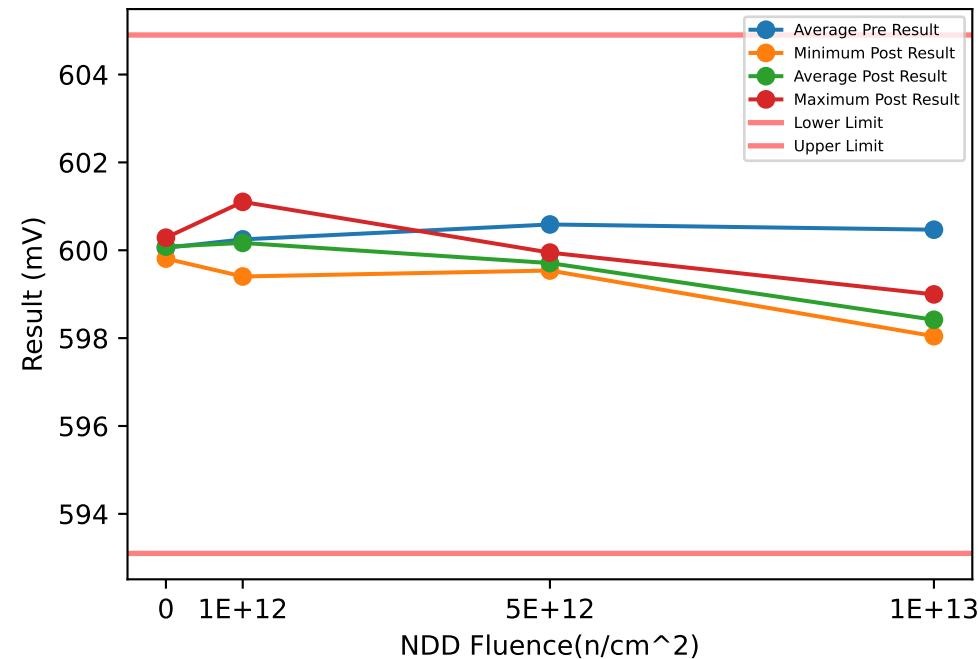


Test Statistics (mV)

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	599.48	599.62	599.68	0.11772	599.61	599.7	599.82	0.10377	-0.0732	0.085333	0.1986	0.14144
1e+12	598.67	599.67	600.7	0.88645	598.46	599.54	600.49	0.89958	-0.2091	-0.12418	-0.0053	0.10191
5e+12	599.07	599.41	599.89	0.35948	598.25	598.73	599.34	0.46409	-0.9564	-0.68465	-0.5488	0.19214
1e+13	598.87	599.53	600.02	0.50955	597.17	597.44	597.78	0.26601	-2.519	-2.0944	-1.7037	0.33457

Device Test: 13.2; VTH_SENSE

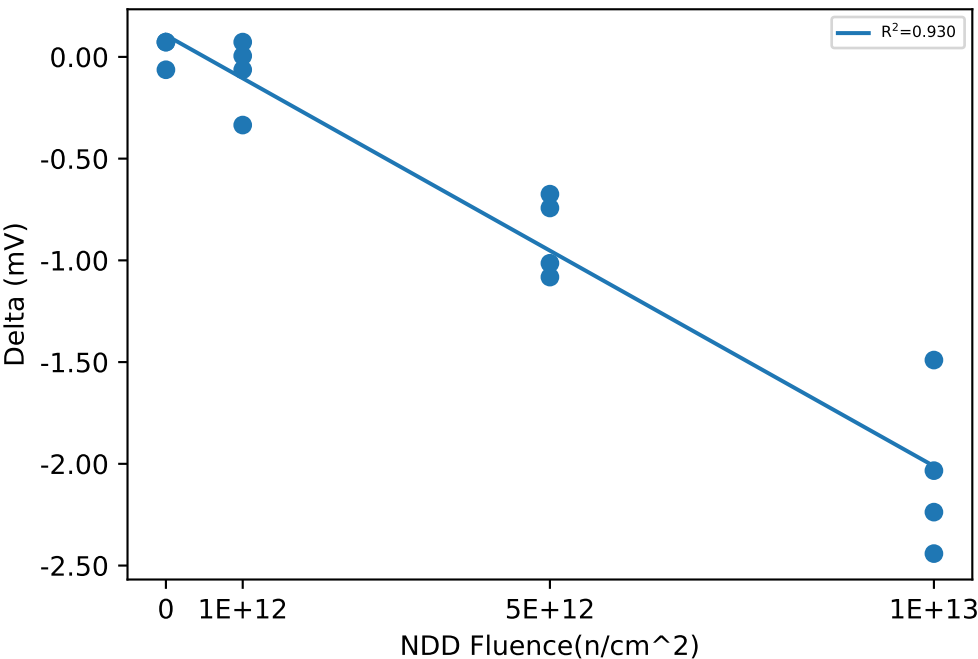
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.47	599.4	-0.0631
315	1e+12	NDD Unbiased	601.1	601.1	0.0049
316	1e+12	NDD Unbiased	600.76	600.42	-0.335
317	1e+12	NDD Unbiased	599.67	599.74	0.0728
318	5e+12	NDD Unbiased	600.28	599.54	-0.7425
319	5e+12	NDD Unbiased	600.35	599.67	-0.6746
320	5e+12	NDD Unbiased	600.69	599.67	-1.0143
321	5e+12	NDD Unbiased	601.03	599.95	-1.0822
322	1e+13	NDD Unbiased	600.49	599	-1.49
323	1e+13	NDD Unbiased	600.21	598.18	-2.0335
324	1e+13	NDD Unbiased	600.69	598.45	-2.2374
325	1e+13	NDD Unbiased	600.49	598.04	-2.4412
326	0	Correlation	600.21	600.15	-0.0632
327	0	Correlation	600.21	600.29	0.0727
328	0	Correlation	599.74	599.81	0.0728

NDD vs Post - Pre Exposure Delta

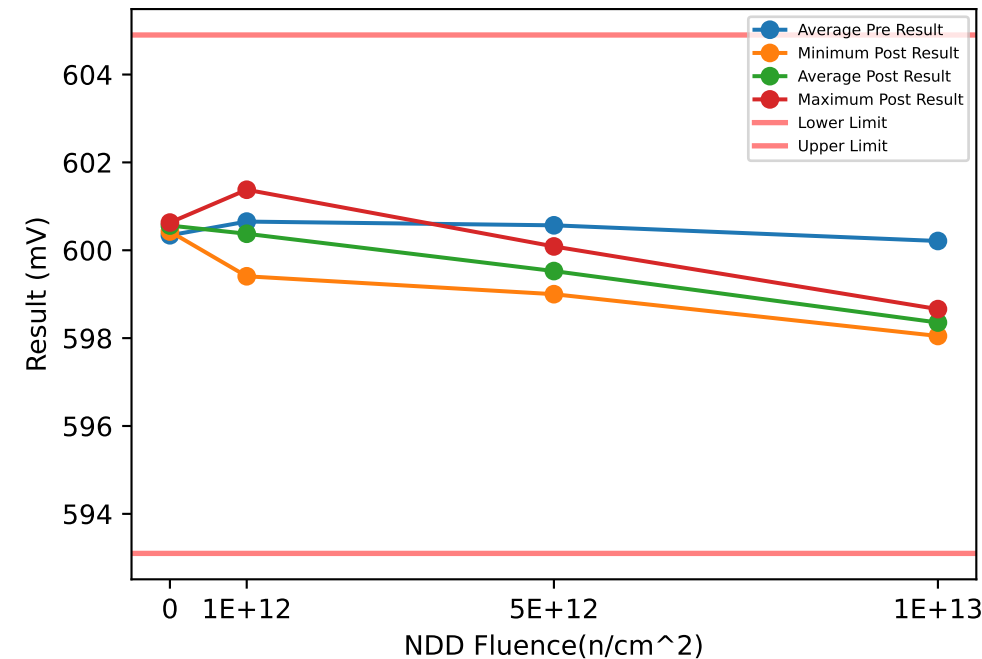


Test Statistics (mV)

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	599.74	600.05	600.21	0.27459	599.81	600.08	600.29	0.24491	-0.0632	0.027433	0.0728	0.078491
1e+12	599.47	600.25	601.1	0.80105	599.4	600.17	601.1	0.75328	-0.335	-0.0801	0.0728	0.17876
5e+12	600.28	600.59	601.03	0.34422	599.54	599.71	599.95	0.171	-1.0822	-0.8784	-0.6746	0.20001
1e+13	600.21	600.47	600.69	0.19515	598.04	598.42	599	0.42066	-2.4412	-2.0505	-1.49	0.40908

Device Test: 13.20; VTH_SENSE

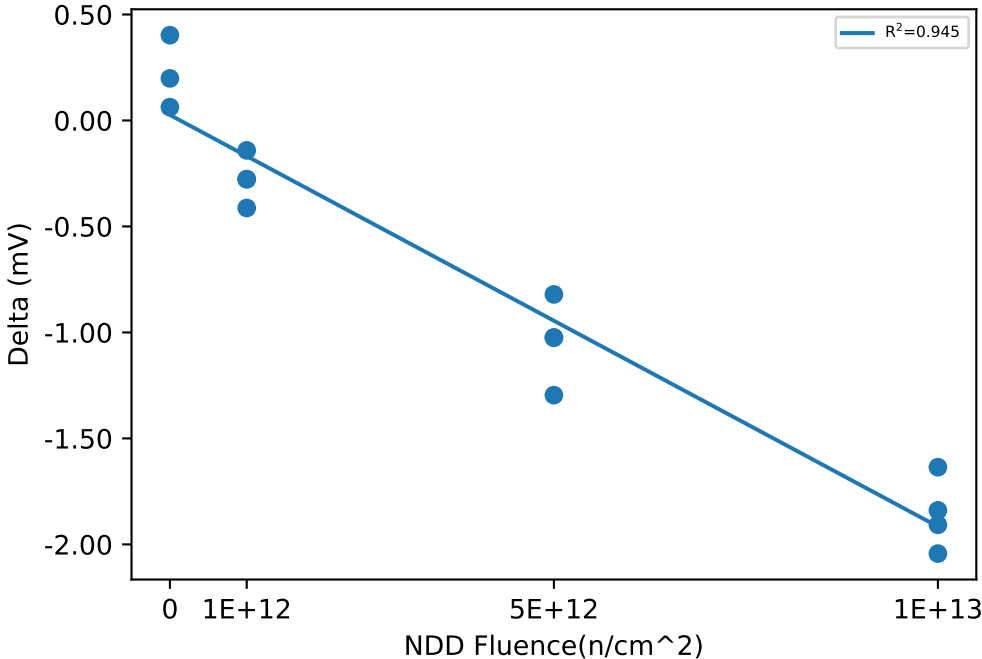
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.68	599.41	-0.2771
315	1e+12	NDD Unbiased	601.65	601.38	-0.277
316	1e+12	NDD Unbiased	601.04	600.63	-0.4129
317	1e+12	NDD Unbiased	600.23	600.09	-0.1412
318	5e+12	NDD Unbiased	600.23	599.41	-0.8206
319	5e+12	NDD Unbiased	600.64	599.61	-1.0243
320	5e+12	NDD Unbiased	601.11	600.09	-1.0244
321	5e+12	NDD Unbiased	600.3	599	-1.296
322	1e+13	NDD Unbiased	599.68	598.05	-1.6358
323	1e+13	NDD Unbiased	600.43	598.52	-1.9075
324	1e+13	NDD Unbiased	600.5	598.66	-1.8395
325	1e+13	NDD Unbiased	600.23	598.18	-2.0434
326	0	Correlation	600.23	600.63	0.4023
327	0	Correlation	600.36	600.43	0.0627
328	0	Correlation	600.43	600.63	0.1985

NDD vs Post - Pre Exposure Delta

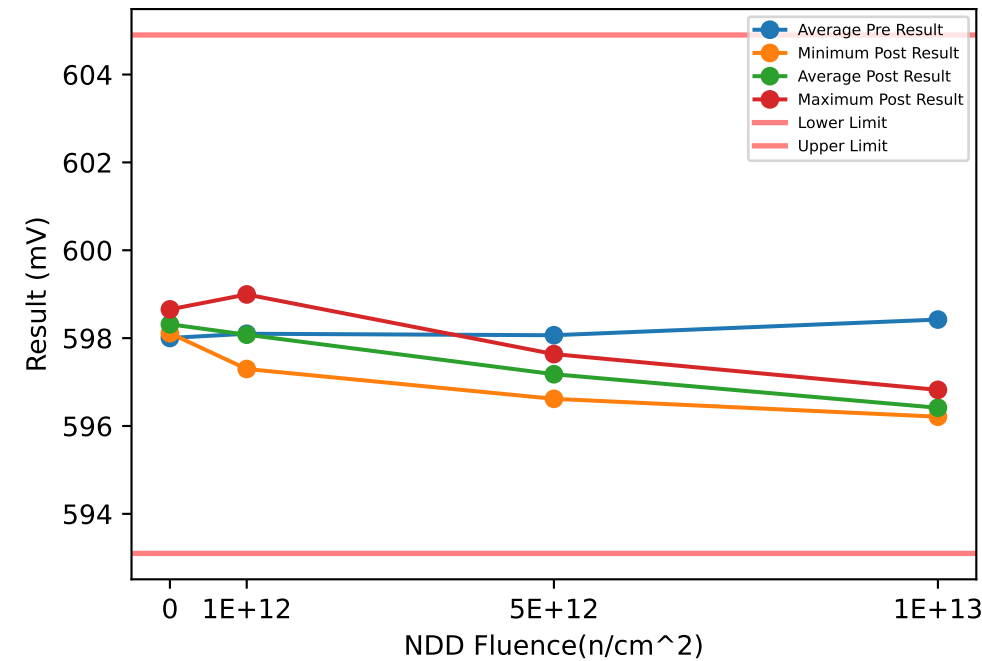


Test Statistics (mV)

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	600.23	600.34	600.43	0.10376	600.43	600.56	600.63	0.11766	0.0627	0.22117	0.4023	0.17093
1e+12	599.68	600.65	601.65	0.87065	599.41	600.38	601.38	0.8346	-0.4129	-0.27705	-0.1412	0.11092
5e+12	600.23	600.57	601.11	0.40385	599	599.53	600.09	0.45189	-1.296	-1.0413	-0.8206	0.19507
1e+13	599.68	600.21	600.5	0.3695	598.05	598.35	598.66	0.28558	-2.0434	-1.8566	-1.6358	0.16983

Device Test: 13.21; VTH_SENSE

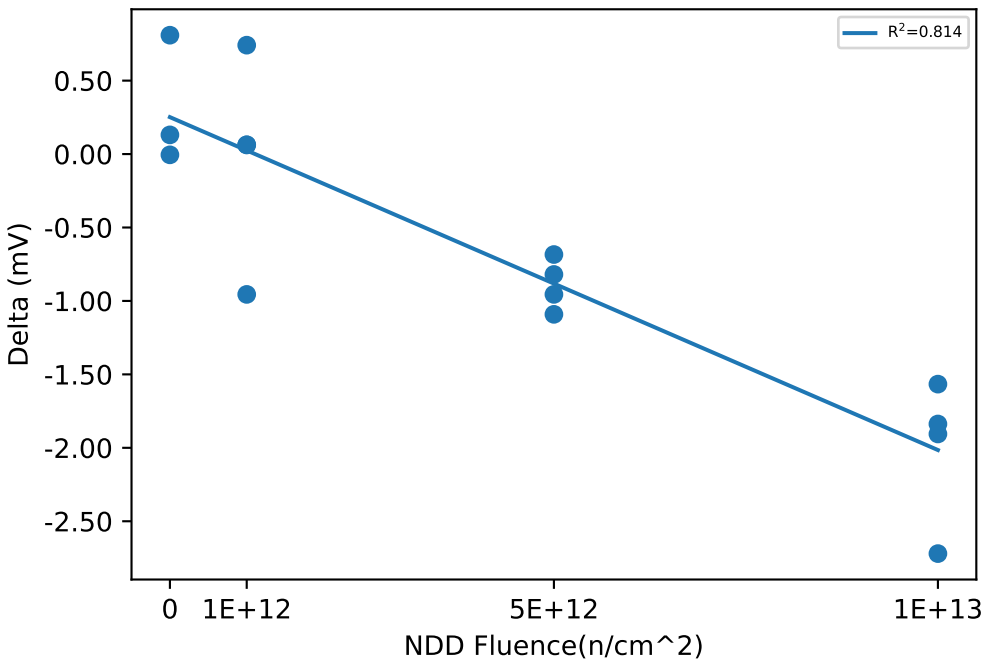
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	597.1	597.84	0.7414
315	1e+12	NDD Unbiased	598.93	598.99	0.0627
316	1e+12	NDD Unbiased	598.12	598.18	0.0627
317	1e+12	NDD Unbiased	598.25	597.3	-0.9555
318	5e+12	NDD Unbiased	597.71	596.62	-1.0912
319	5e+12	NDD Unbiased	598.32	597.5	-0.8197
320	5e+12	NDD Unbiased	597.64	596.96	-0.684
321	5e+12	NDD Unbiased	598.59	597.64	-0.9554
322	1e+13	NDD Unbiased	599	596.28	-2.7202
323	1e+13	NDD Unbiased	597.91	596.35	-1.5664
324	1e+13	NDD Unbiased	598.05	596.21	-1.8378
325	1e+13	NDD Unbiased	598.73	596.82	-1.9057
326	0	Correlation	598.18	598.18	-0.0052
327	0	Correlation	597.85	598.65	0.8093
328	0	Correlation	597.98	598.11	0.1306

NDD vs Post - Pre Exposure Delta

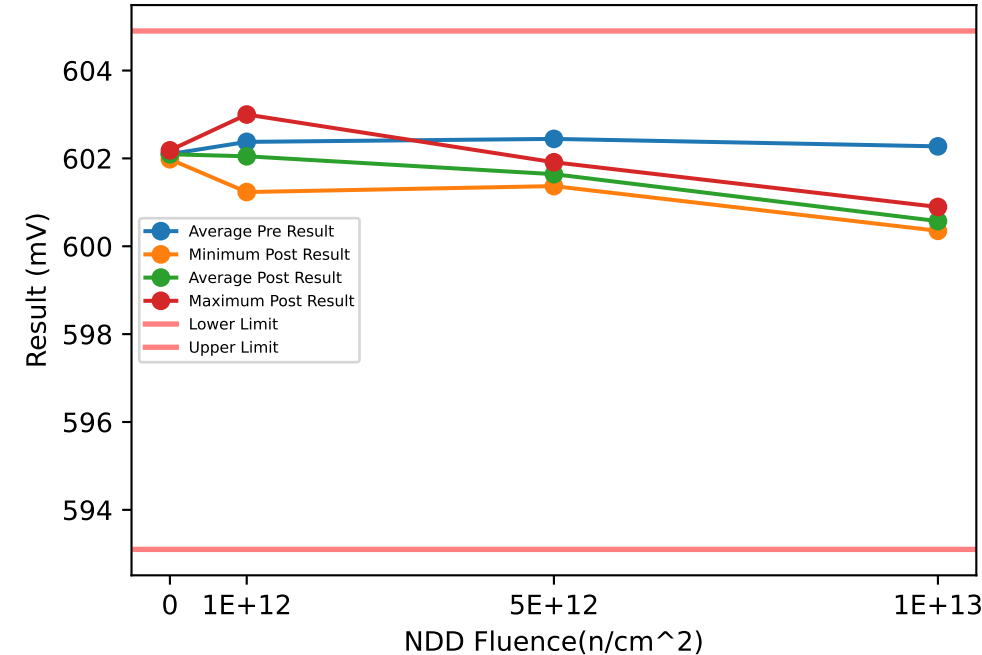


Test Statistics (mV)

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	597.85	598	598.18	0.17083	598.11	598.32	598.65	0.29585	-0.0052	0.31157	0.8093	0.43636
1e+12	597.1	598.1	598.93	0.75658	597.3	598.08	598.99	0.71081	-0.9555	-0.022175	0.7414	0.69965
5e+12	597.64	598.07	598.59	0.46491	596.62	597.18	597.64	0.47475	-1.0912	-0.88757	-0.684	0.17523
1e+13	597.91	598.42	599	0.52431	596.21	596.41	596.82	0.27711	-2.7202	-2.0075	-1.5664	0.49722

Device Test: 13.22; VTH_SENSE

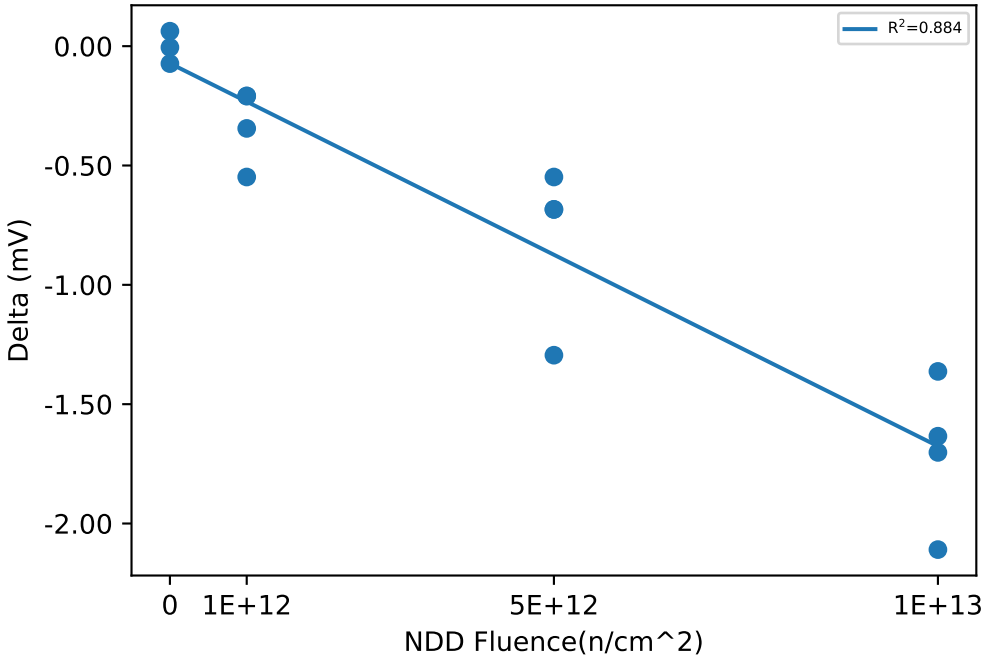
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.65	601.44	-0.2088
315	1e+12	NDD Unbiased	603.55	603	-0.5482
316	1e+12	NDD Unbiased	602.73	602.52	-0.2089
317	1e+12	NDD Unbiased	601.58	601.23	-0.3446
318	5e+12	NDD Unbiased	602.05	601.51	-0.5482
319	5e+12	NDD Unbiased	602.6	601.91	-0.6839
320	5e+12	NDD Unbiased	602.66	601.37	-1.2948
321	5e+12	NDD Unbiased	602.46	601.78	-0.684
322	1e+13	NDD Unbiased	602.26	600.89	-1.3627
323	1e+13	NDD Unbiased	601.99	600.35	-1.6342
324	1e+13	NDD Unbiased	602.26	600.56	-1.7021
325	1e+13	NDD Unbiased	602.6	600.49	-2.1093
326	0	Correlation	602.19	602.18	-0.0052
327	0	Correlation	601.92	601.98	0.0627
328	0	Correlation	602.19	602.12	-0.0731

NDD vs Post - Pre Exposure Delta

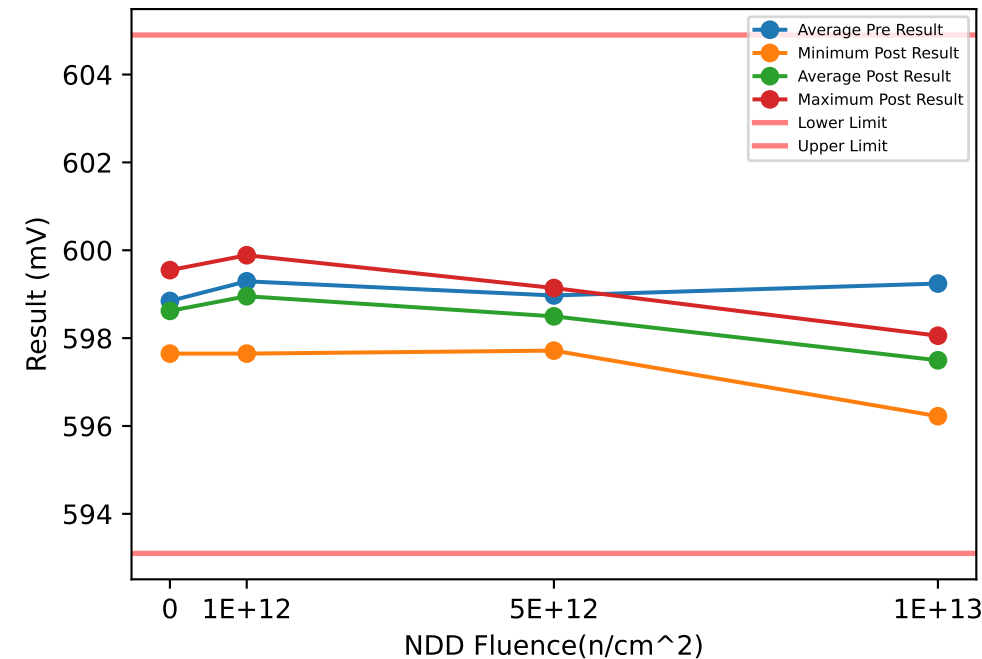


Test Statistics (mV)

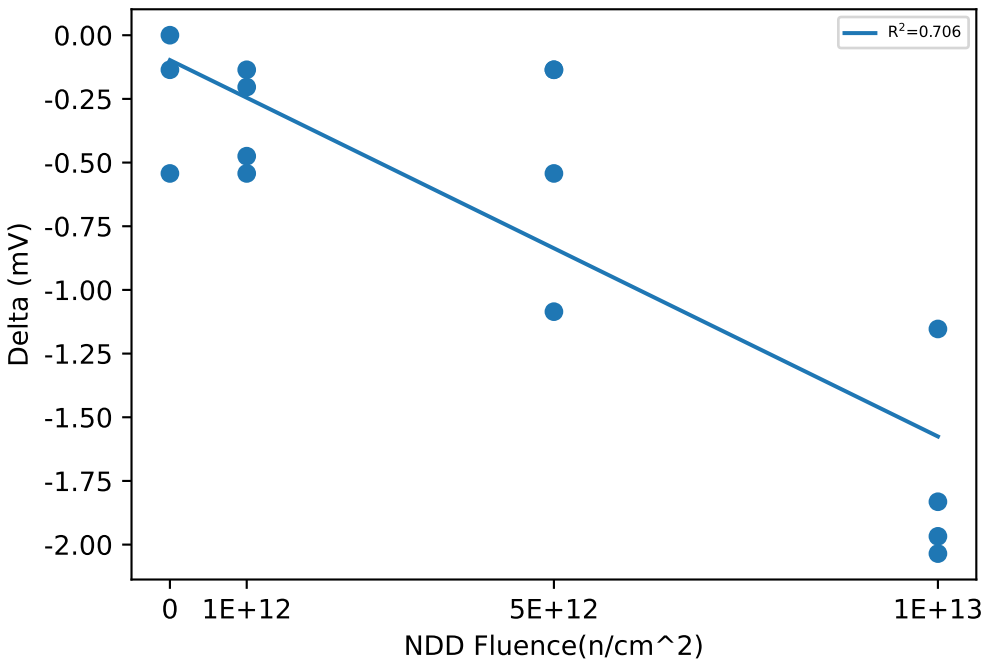
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.92	602.1	602.19	0.15675	601.98	602.09	602.18	0.10366	-0.0731	-0.0052	0.0627	0.0679
1e+12	601.58	602.38	603.55	0.94275	601.23	602.05	603	0.84956	-0.5482	-0.32763	-0.2088	0.16037
5e+12	602.05	602.44	602.66	0.27362	601.37	601.64	601.91	0.24784	-1.2948	-0.80273	-0.5482	0.33423
1e+13	601.99	602.27	602.6	0.25012	600.35	600.57	600.89	0.23101	-2.1093	-1.7021	-1.3627	0.30855

Device Test: 13.23; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

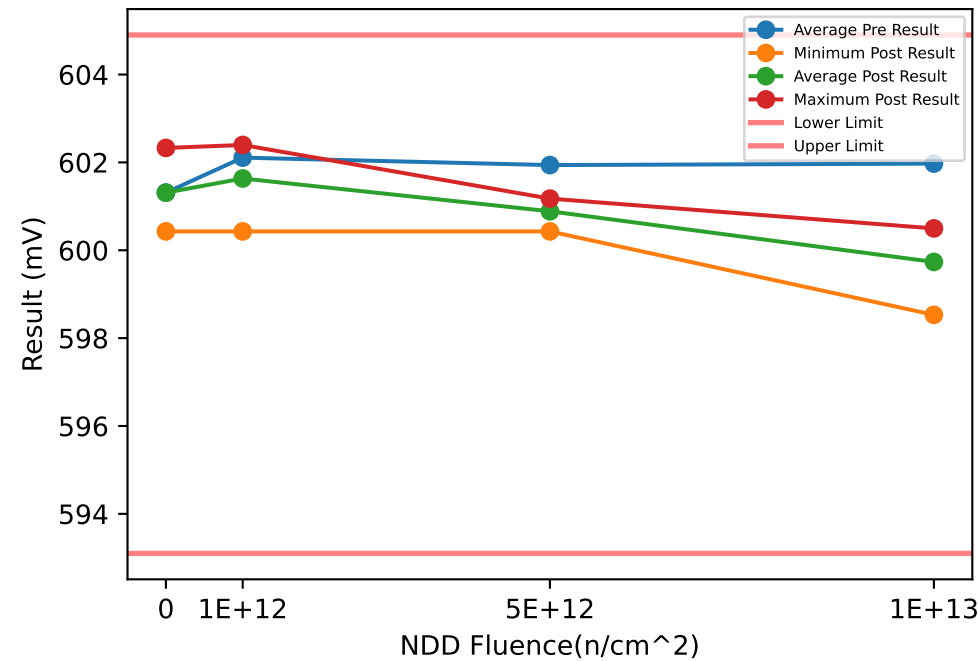
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.94	598.73	-0.2035
315	1e+12	NDD Unbiased	600.02	599.55	-0.4749
316	1e+12	NDD Unbiased	600.02	599.89	-0.1357
317	1e+12	NDD Unbiased	598.19	597.65	-0.5427
318	5e+12	NDD Unbiased	598.26	597.72	-0.5427
319	5e+12	NDD Unbiased	598.87	598.73	-0.1356
320	5e+12	NDD Unbiased	599.28	599.14	-0.1357
321	5e+12	NDD Unbiased	599.48	598.39	-1.0854
322	1e+13	NDD Unbiased	599.82	597.99	-1.8317
323	1e+13	NDD Unbiased	598.87	597.72	-1.1533
324	1e+13	NDD Unbiased	600.02	598.05	-1.9675
325	1e+13	NDD Unbiased	598.26	596.22	-2.0353
326	0	Correlation	599.55	599.55	0.0001
327	0	Correlation	599.21	598.67	-0.5427
328	0	Correlation	597.78	597.65	-0.1356

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	597.78	598.85	599.55	0.93602	597.65	598.62	599.55	0.95066	-0.5427	-0.22607	0.0001	0.28248
1e+12	598.19	599.29	600.02	0.89561	597.65	598.95	599.89	0.99616	-0.5427	-0.3392	-0.1357	0.19971
5e+12	598.26	598.97	599.48	0.5385	597.72	598.5	599.14	0.603	-1.0854	-0.47485	-0.1356	0.45
1e+13	598.26	599.24	600.02	0.8263	596.22	597.5	598.05	0.86064	-2.0353	-1.7469	-1.1533	0.40472

Device Test: 13.24; VTH_SENSE

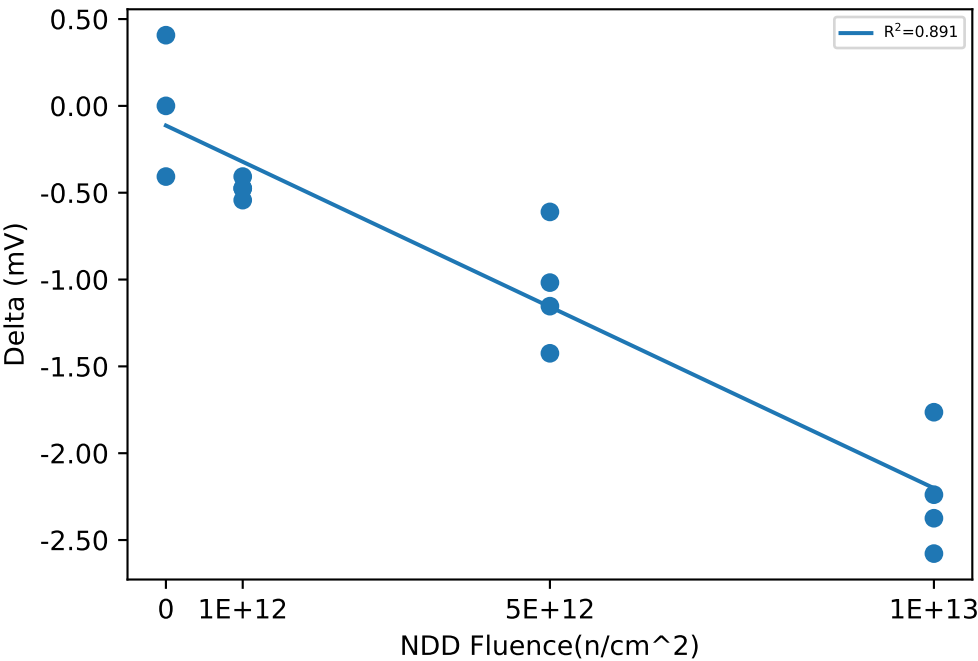
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.92	601.45	-0.4748
315	1e+12	NDD Unbiased	602.8	602.26	-0.5427
316	1e+12	NDD Unbiased	602.87	602.4	-0.4748
317	1e+12	NDD Unbiased	600.84	600.43	-0.407
318	5e+12	NDD Unbiased	601.45	600.43	-1.0176
319	5e+12	NDD Unbiased	602.4	600.97	-1.4247
320	5e+12	NDD Unbiased	601.79	601.18	-0.6105
321	5e+12	NDD Unbiased	602.13	600.97	-1.1533
322	1e+13	NDD Unbiased	602.4	600.02	-2.3745
323	1e+13	NDD Unbiased	601.65	599.89	-1.764
324	1e+13	NDD Unbiased	602.74	600.5	-2.2389
325	1e+13	NDD Unbiased	601.11	598.53	-2.5781
326	0	Correlation	601.92	602.33	0.4071
327	0	Correlation	601.58	601.18	-0.407
328	0	Correlation	600.43	600.43	0.0001

NDD vs Post - Pre Exposure Delta

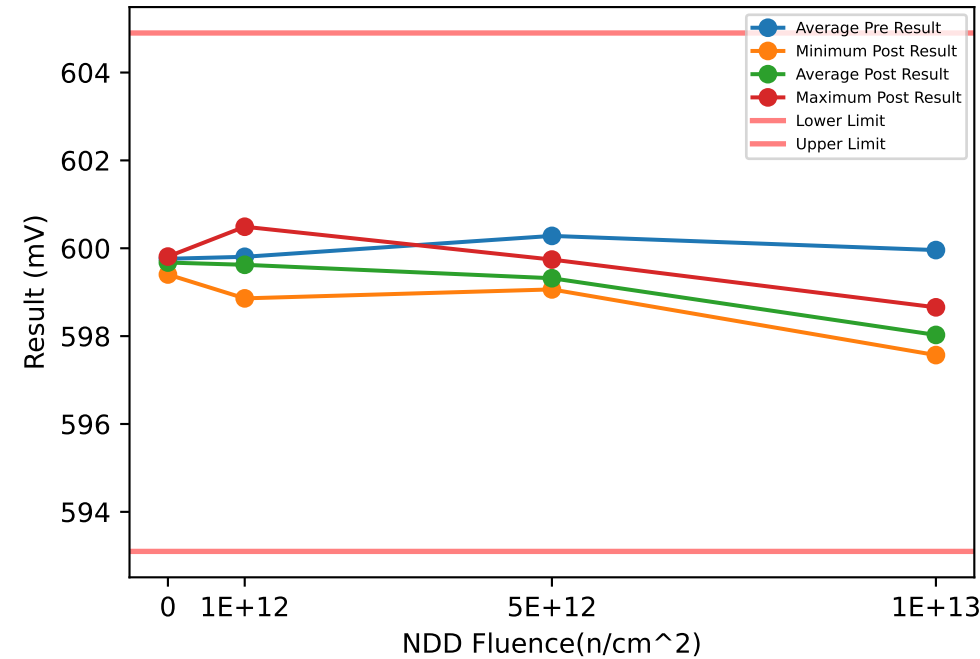


Test Statistics (mV)

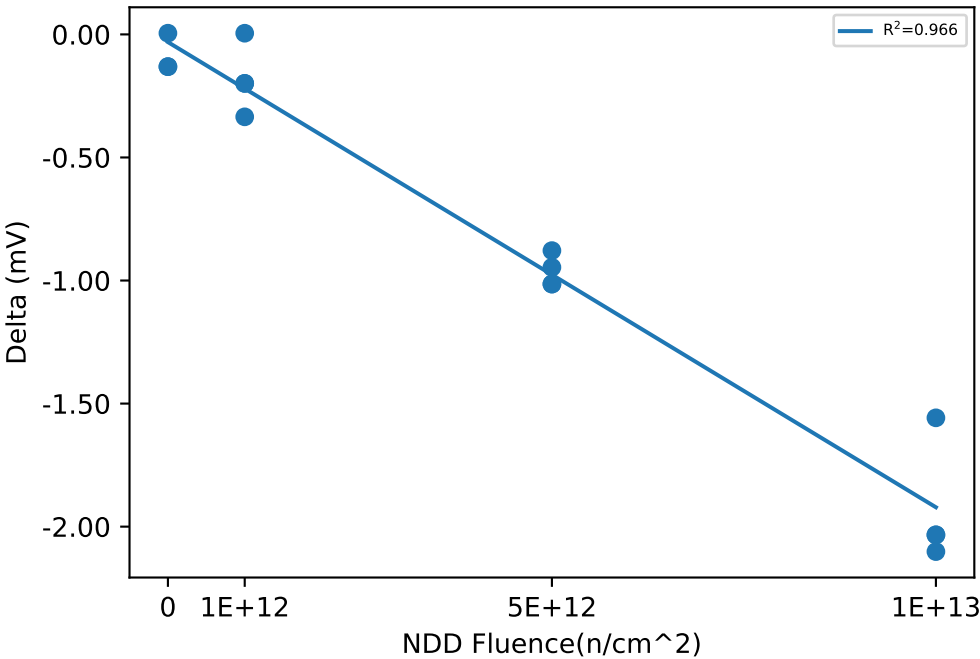
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.43	601.31	601.92	0.78244	600.43	601.31	602.33	0.95704	-0.407	6.6667e-05	0.4071	0.40705
1e+12	600.84	602.11	602.87	0.95204	600.43	601.63	602.4	0.90579	-0.5427	-0.47483	-0.407	0.055399
5e+12	601.45	601.94	602.4	0.4122	600.43	600.89	601.18	0.32002	-1.4247	-1.0515	-0.6105	0.33925
1e+13	601.11	601.97	602.74	0.73358	598.53	599.73	600.5	0.84444	-2.5781	-2.2389	-1.764	0.34592

Device Test: 13.25; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

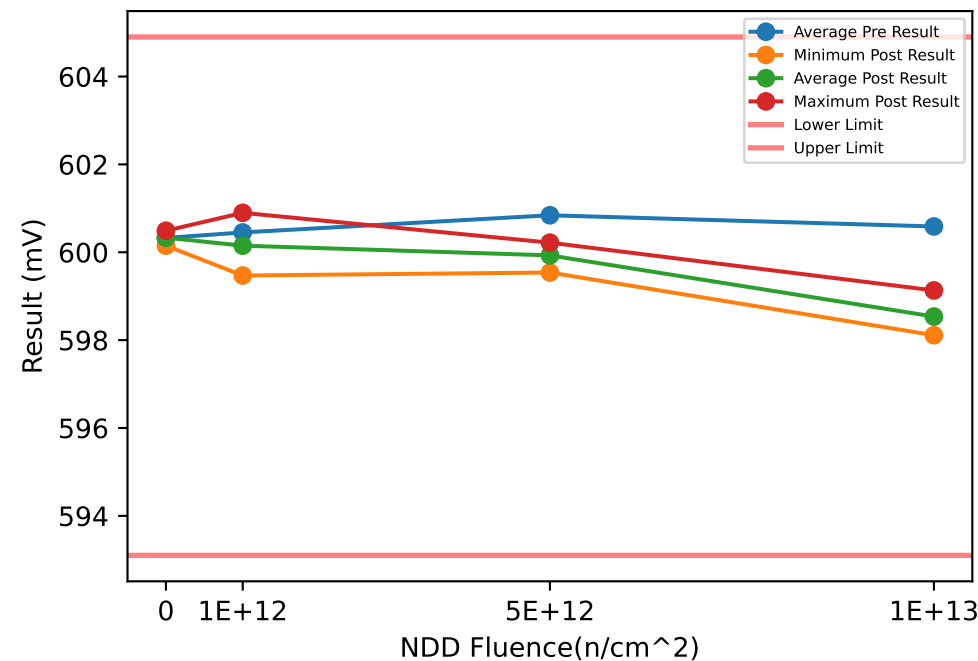
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.06	598.86	-0.199
315	1e+12	NDD Unbiased	600.49	600.49	0.0048
316	1e+12	NDD Unbiased	600.21	599.88	-0.3349
317	1e+12	NDD Unbiased	599.47	599.27	-0.199
318	5e+12	NDD Unbiased	600.01	599.06	-0.9464
319	5e+12	NDD Unbiased	600.08	599.06	-1.0143
320	5e+12	NDD Unbiased	600.28	599.4	-0.8784
321	5e+12	NDD Unbiased	600.76	599.74	-1.0144
322	1e+13	NDD Unbiased	600.21	598.66	-1.5579
323	1e+13	NDD Unbiased	599.67	597.57	-2.1014
324	1e+13	NDD Unbiased	600.28	598.25	-2.0335
325	1e+13	NDD Unbiased	599.67	597.64	-2.0334
326	0	Correlation	599.81	599.81	0.0049
327	0	Correlation	599.94	599.81	-0.131
328	0	Correlation	599.53	599.4	-0.131

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	599.53	599.76	599.94	0.20759	599.4	599.67	599.81	0.23539	-0.131	-0.0857	0.0049	0.078462
1e+12	599.06	599.81	600.49	0.65877	598.86	599.62	600.49	0.71343	-0.3349	-0.18202	0.0048	0.14006
5e+12	600.01	600.28	600.76	0.33746	599.06	599.32	599.74	0.32524	-1.0144	-0.96337	-0.8784	0.065079
1e+13	599.67	599.96	600.28	0.3346	597.57	598.03	598.66	0.51854	-2.1014	-1.9315	-1.5579	0.25115

Device Test: 13.26; VTH_SENSE

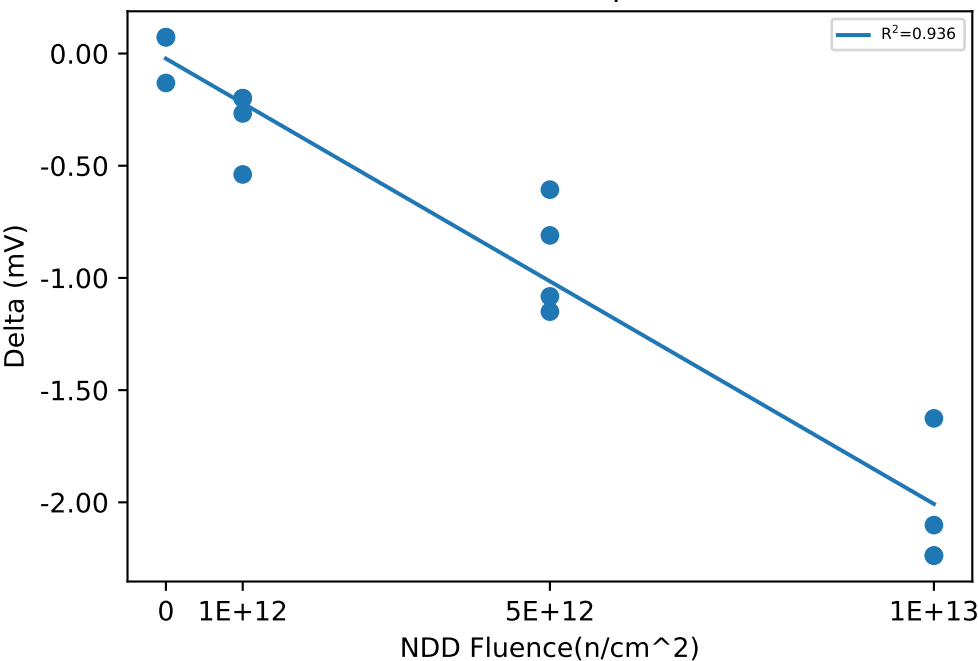
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	600.01	599.47	-0.5388
315	1e+12	NDD Unbiased	601.1	600.9	-0.199
316	1e+12	NDD Unbiased	600.76	600.56	-0.1991
317	1e+12	NDD Unbiased	599.94	599.67	-0.2669
318	5e+12	NDD Unbiased	600.69	599.54	-1.1502
319	5e+12	NDD Unbiased	600.55	599.74	-0.8105
320	5e+12	NDD Unbiased	600.83	600.22	-0.6067
321	5e+12	NDD Unbiased	601.3	600.22	-1.0823
322	1e+13	NDD Unbiased	600.76	599.13	-1.6259
323	1e+13	NDD Unbiased	600.21	598.11	-2.1015
324	1e+13	NDD Unbiased	600.83	598.59	-2.2374
325	1e+13	NDD Unbiased	600.55	598.32	-2.2373
326	0	Correlation	600.42	600.49	0.0728
327	0	Correlation	600.49	600.35	-0.1311
328	0	Correlation	600.08	600.15	0.0727

NDD vs Post - Pre Exposure Delta

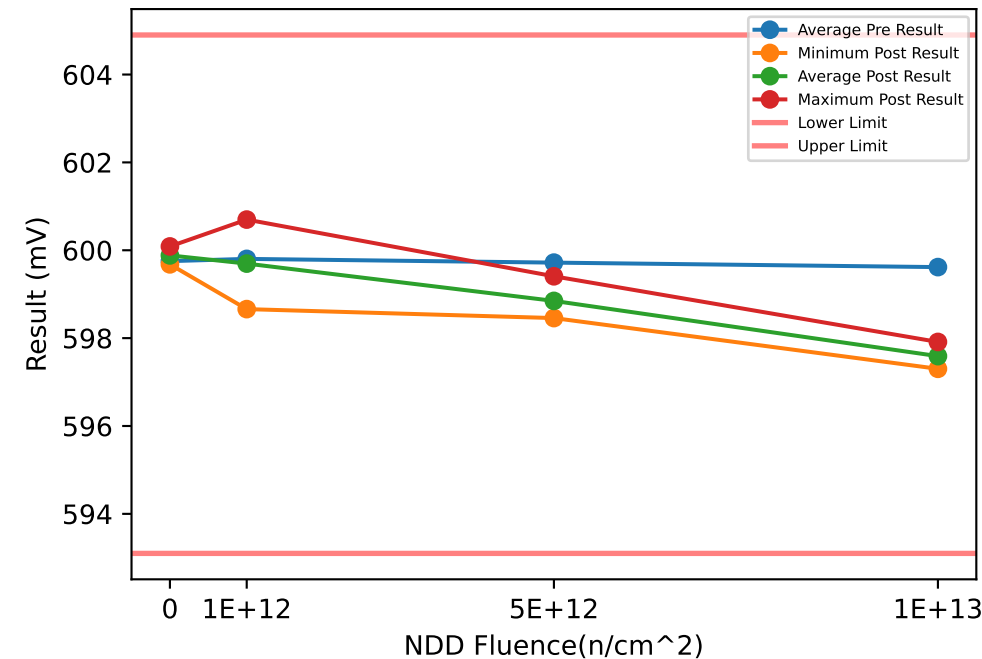


Test Statistics (mV)

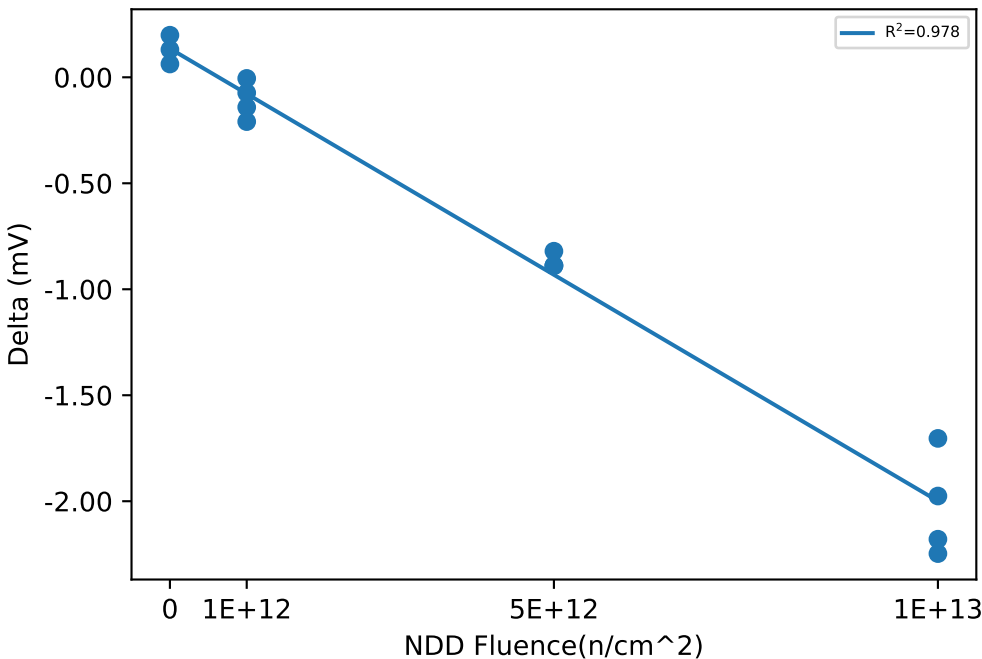
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.08	600.33	600.49	0.21842	600.15	600.33	600.49	0.17103	-0.1311	0.0048	0.0728	0.11769
1e+12	599.94	600.45	601.1	0.56709	599.47	600.15	600.9	0.68618	-0.5388	-0.30095	-0.199	0.16176
5e+12	600.55	600.84	601.3	0.32526	599.54	599.93	600.22	0.34364	-1.1502	-0.91243	-0.6067	0.25116
1e+13	600.21	600.59	600.83	0.2746	598.11	598.54	599.13	0.44164	-2.2374	-2.0505	-1.6259	0.29024

Device Test: 13.27; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

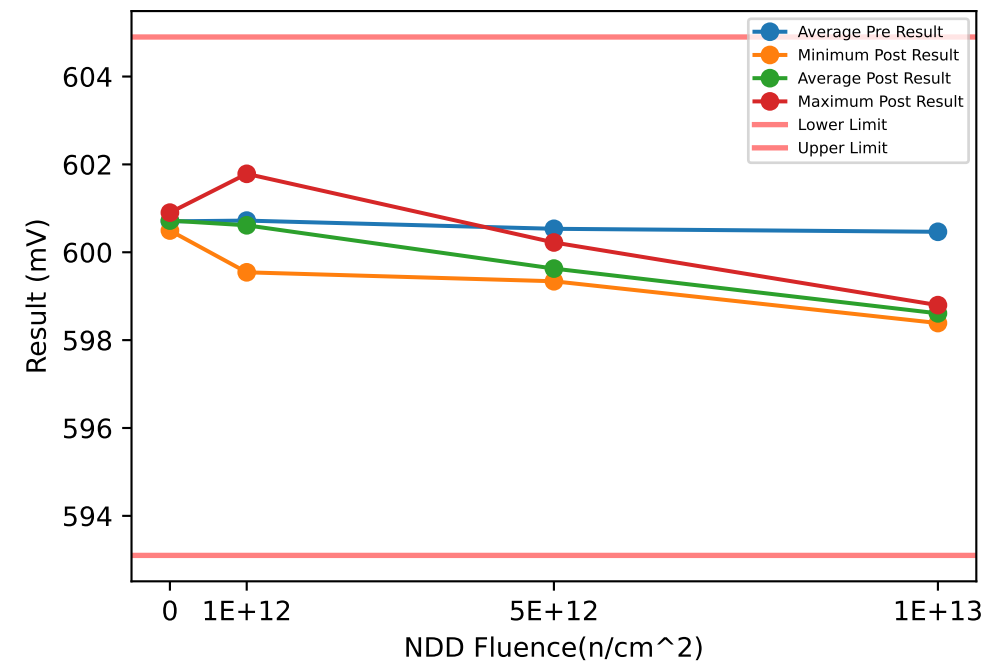
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.67	598.66	-0.0052
315	1e+12	NDD Unbiased	600.84	600.7	-0.1412
316	1e+12	NDD Unbiased	600.16	600.09	-0.0733
317	1e+12	NDD Unbiased	599.55	599.34	-0.2091
318	5e+12	NDD Unbiased	599.48	598.59	-0.8884
319	5e+12	NDD Unbiased	599.75	598.93	-0.8205
320	5e+12	NDD Unbiased	600.3	599.41	-0.8885
321	5e+12	NDD Unbiased	599.35	598.46	-0.8885
322	1e+13	NDD Unbiased	599.14	597.44	-1.7036
323	1e+13	NDD Unbiased	599.96	597.71	-2.2471
324	1e+13	NDD Unbiased	599.89	597.91	-1.9755
325	1e+13	NDD Unbiased	599.48	597.3	-2.1792
326	0	Correlation	599.82	599.88	0.0627
327	0	Correlation	599.48	599.68	0.1986
328	0	Correlation	599.96	600.09	0.1306

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	599.48	599.75	599.96	0.24497	599.68	599.88	600.09	0.2038	0.0627	0.13063	0.1986	0.06795
1e+12	598.67	599.8	600.84	0.92385	598.66	599.7	600.7	0.8864	-0.2091	-0.1072	-0.0052	0.087736
5e+12	599.35	599.72	600.3	0.42063	598.46	598.85	599.41	0.4238	-0.8885	-0.87148	-0.8205	0.033983
1e+13	599.14	599.62	599.96	0.38032	597.3	597.59	597.91	0.27386	-2.2471	-2.0264	-1.7036	0.24416

Device Test: 13.28; VTH_SENSE

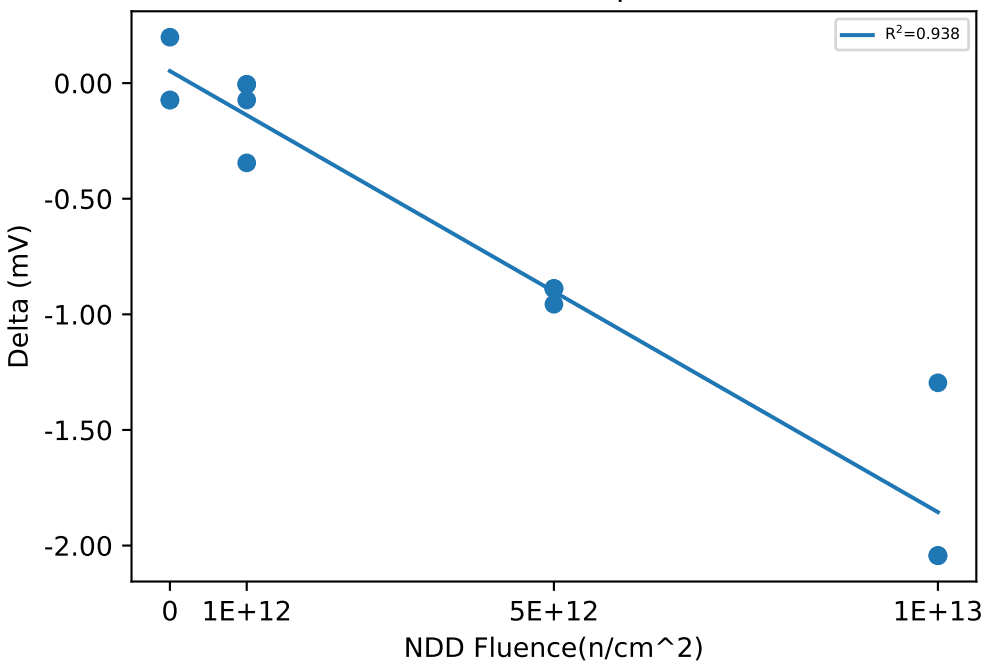
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.89	599.54	-0.345
315	1e+12	NDD Unbiased	601.79	601.79	-0.0053
316	1e+12	NDD Unbiased	601.04	600.97	-0.0732
317	1e+12	NDD Unbiased	600.16	600.16	-0.0053
318	5e+12	NDD Unbiased	600.3	599.41	-0.8885
319	5e+12	NDD Unbiased	600.5	599.54	-0.9564
320	5e+12	NDD Unbiased	601.11	600.22	-0.8885
321	5e+12	NDD Unbiased	600.23	599.34	-0.8885
322	1e+13	NDD Unbiased	599.75	598.46	-1.2961
323	1e+13	NDD Unbiased	600.84	598.8	-2.0434
324	1e+13	NDD Unbiased	600.84	598.8	-2.0434
325	1e+13	NDD Unbiased	600.43	598.39	-2.0434
326	0	Correlation	600.57	600.77	0.1986
327	0	Correlation	600.57	600.49	-0.0732
328	0	Correlation	600.98	600.9	-0.0732

NDD vs Post - Pre Exposure Delta

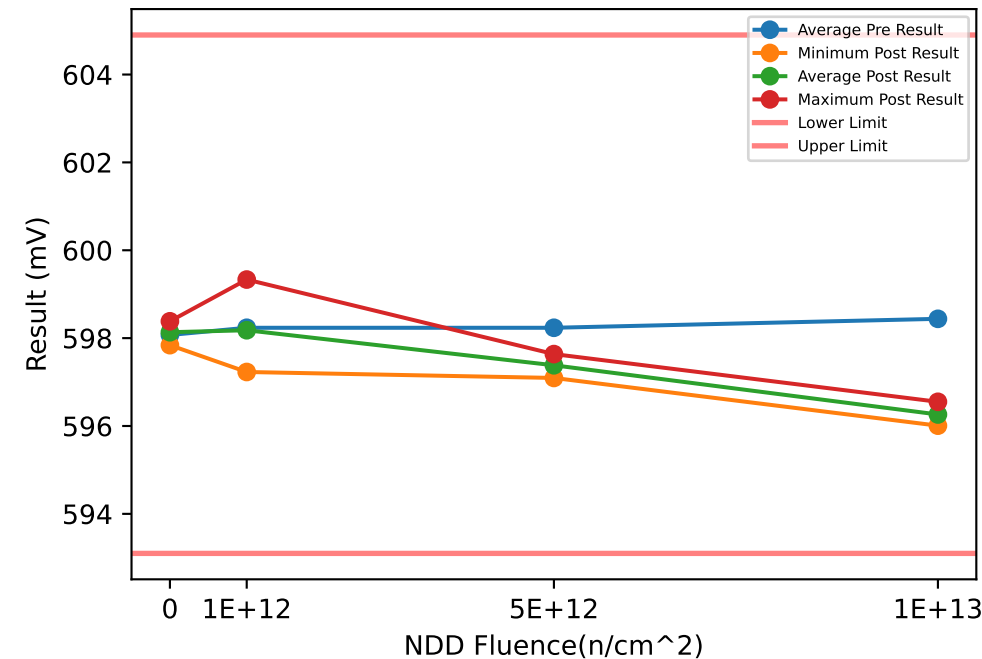


Test Statistics (mV)

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	600.57	600.7	600.98	0.23539	600.49	600.72	600.9	0.20759	-0.0732	0.0174	0.1986	0.15692
1e+12	599.89	600.72	601.79	0.86711	599.54	600.61	601.79	0.97565	-0.345	-0.1072	-0.0053	0.16173
5e+12	600.23	600.53	601.11	0.40194	599.34	599.63	600.22	0.40527	-0.9564	-0.90548	-0.8885	0.03395
1e+13	599.75	600.47	600.84	0.51292	598.39	598.61	598.8	0.2175	-2.0434	-1.8566	-1.2961	0.37365

Device Test: 13.29; VTH_SENSE

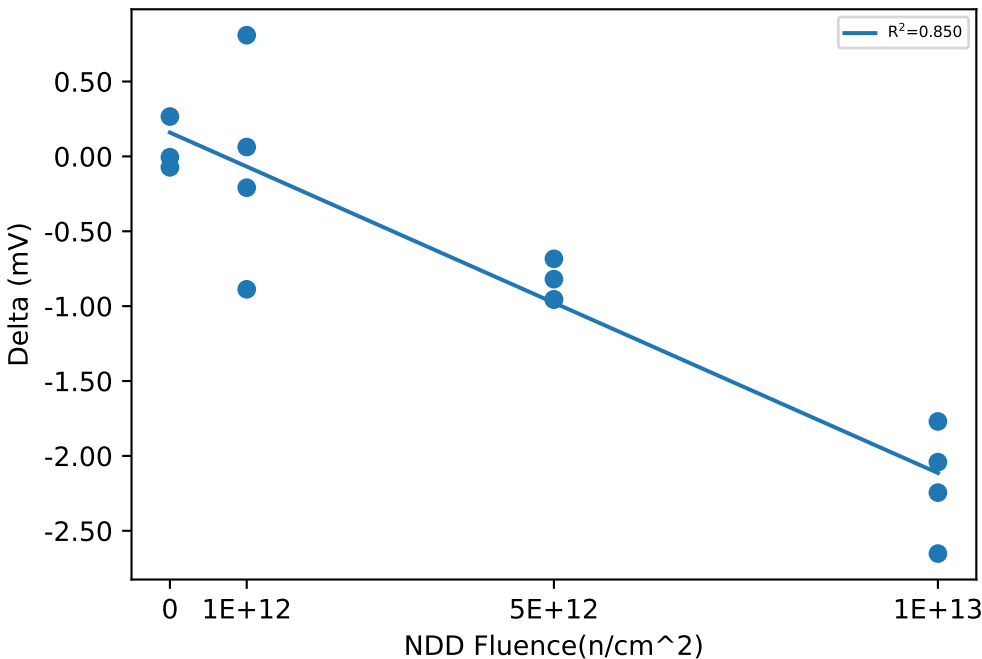
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	597.17	597.98	0.8093
315	1e+12	NDD Unbiased	599.27	599.33	0.0626
316	1e+12	NDD Unbiased	598.39	598.18	-0.2088
317	1e+12	NDD Unbiased	598.12	597.23	-0.8876
318	5e+12	NDD Unbiased	597.91	597.09	-0.8197
319	5e+12	NDD Unbiased	598.46	597.5	-0.9555
320	5e+12	NDD Unbiased	597.98	597.3	-0.6839
321	5e+12	NDD Unbiased	598.59	597.64	-0.9554
322	1e+13	NDD Unbiased	599.2	596.55	-2.6523
323	1e+13	NDD Unbiased	598.05	596.28	-1.7699
324	1e+13	NDD Unbiased	598.46	596.21	-2.2451
325	1e+13	NDD Unbiased	598.05	596.01	-2.0414
326	0	Correlation	598.12	598.38	0.2663
327	0	Correlation	597.91	597.84	-0.0731
328	0	Correlation	598.18	598.18	-0.0052

NDD vs Post - Pre Exposure Delta

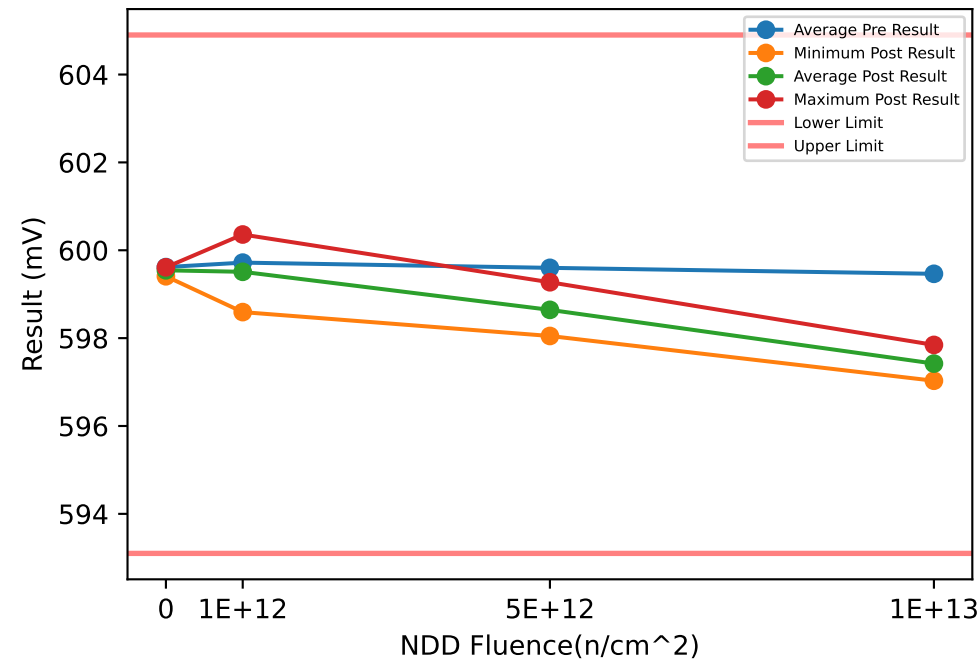


Test Statistics (mV)

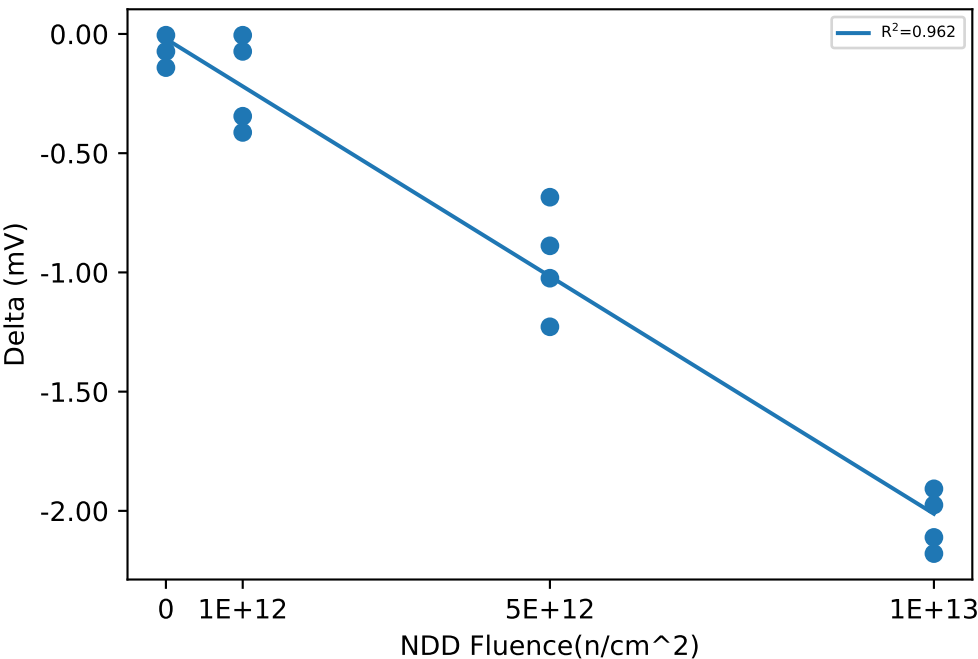
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.91	598.07	598.18	0.14129	597.84	598.13	598.38	0.27432	-0.0731	0.062667	0.2663	0.17959
1e+12	597.17	598.24	599.27	0.86638	597.23	598.18	599.33	0.87098	-0.8876	-0.056125	0.8093	0.70183
5e+12	597.91	598.24	598.59	0.33881	597.09	597.38	597.64	0.23756	-0.9555	-0.85362	-0.6839	0.12999
1e+13	598.05	598.44	599.2	0.54407	596.01	596.26	596.55	0.22426	-2.6523	-2.1772	-1.7699	0.37178

Device Test: 13.3; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

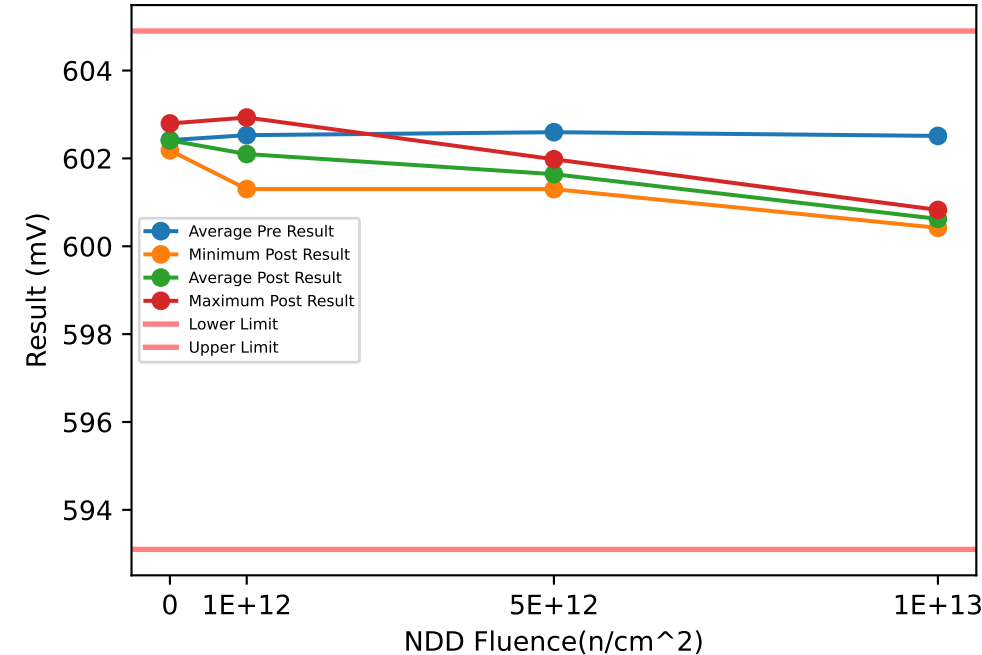
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.67	598.59	-0.0732
315	1e+12	NDD Unbiased	600.77	600.36	-0.413
316	1e+12	NDD Unbiased	600.02	600.02	-0.0053
317	1e+12	NDD Unbiased	599.41	599.07	-0.345
318	5e+12	NDD Unbiased	599.35	598.46	-0.8885
319	5e+12	NDD Unbiased	599.48	598.8	-0.6846
320	5e+12	NDD Unbiased	600.3	599.27	-1.0243
321	5e+12	NDD Unbiased	599.28	598.05	-1.2281
322	1e+13	NDD Unbiased	598.94	597.03	-1.9075
323	1e+13	NDD Unbiased	599.68	597.71	-1.9754
324	1e+13	NDD Unbiased	599.96	597.85	-2.1113
325	1e+13	NDD Unbiased	599.28	597.1	-2.1792
326	0	Correlation	599.62	599.61	-0.0052
327	0	Correlation	599.55	599.41	-0.1412
328	0	Correlation	599.68	599.61	-0.0732

Test Statistics (mV)

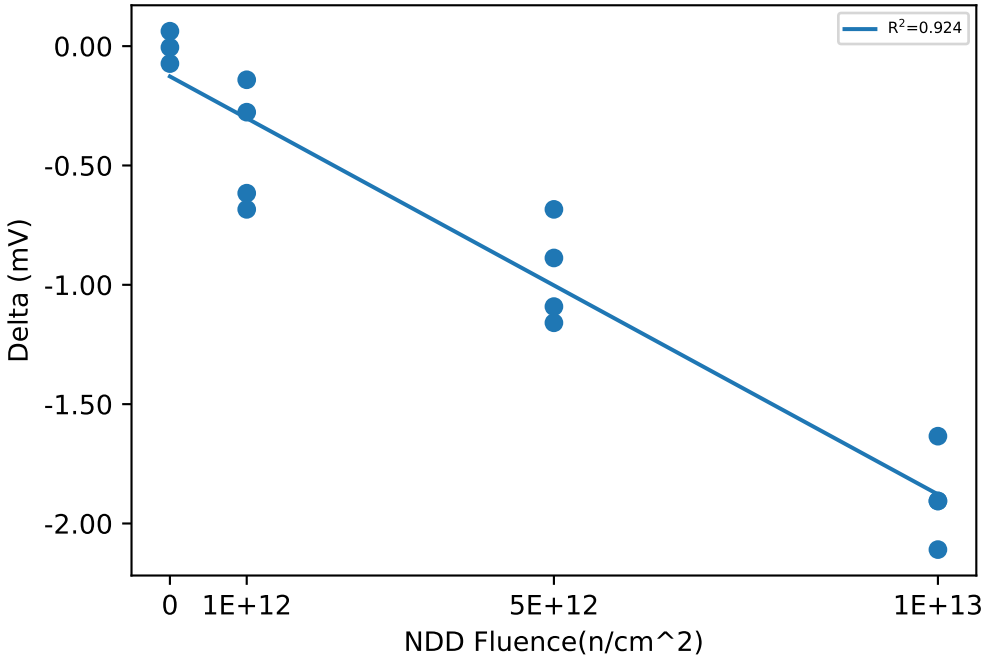
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.55	599.62	599.68	0.06795	599.41	599.54	599.61	0.11772	-0.1412	-0.0732	-0.0052	0.068
1e+12	598.67	599.72	600.77	0.89532	598.59	599.51	600.36	0.81994	-0.413	-0.20913	-0.0053	0.20004
5e+12	599.28	599.6	600.3	0.47192	598.05	598.64	599.27	0.51852	-1.2281	-0.95638	-0.6846	0.2287
1e+13	598.94	599.46	599.96	0.44849	597.03	597.42	597.85	0.41649	-2.1792	-2.0434	-1.9075	0.12402

Device Test: 13.30; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

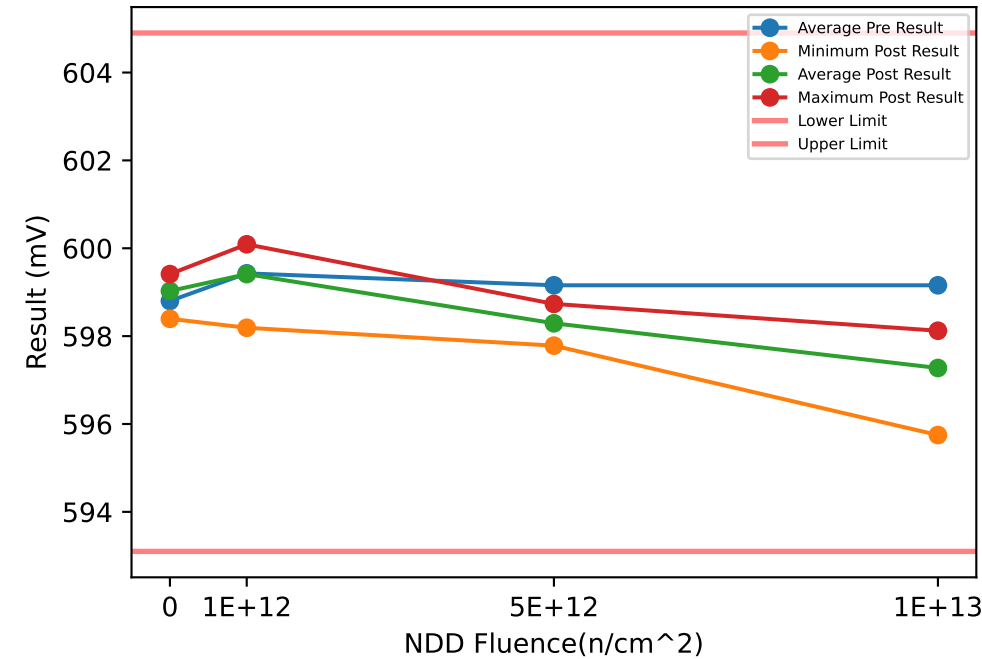
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.92	601.3	-0.6161
315	1e+12	NDD Unbiased	603.61	602.93	-0.6839
316	1e+12	NDD Unbiased	602.53	602.25	-0.2767
317	1e+12	NDD Unbiased	602.05	601.91	-0.1409
318	5e+12	NDD Unbiased	602.33	601.64	-0.6839
319	5e+12	NDD Unbiased	602.73	601.64	-1.0912
320	5e+12	NDD Unbiased	602.46	601.3	-1.1591
321	5e+12	NDD Unbiased	602.87	601.98	-0.8875
322	1e+13	NDD Unbiased	602.73	600.83	-1.9057
323	1e+13	NDD Unbiased	602.6	600.69	-1.9057
324	1e+13	NDD Unbiased	602.19	600.56	-1.6342
325	1e+13	NDD Unbiased	602.53	600.42	-2.1094
326	0	Correlation	602.73	602.79	0.0626
327	0	Correlation	602.26	602.25	-0.0052
328	0	Correlation	602.26	602.18	-0.0731

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	602.26	602.42	602.73	0.2743	602.18	602.41	602.79	0.33477	-0.0731	-0.0052333	0.0626	0.06785
1e+12	601.92	602.53	603.61	0.76989	601.3	602.1	602.93	0.6796	-0.6839	-0.4294	-0.1409	0.26216
5e+12	602.33	602.6	602.87	0.24784	601.3	601.64	601.98	0.27712	-1.1591	-0.95543	-0.6839	0.21468
1e+13	602.19	602.51	602.73	0.231	600.42	600.62	600.83	0.17527	-2.1094	-1.8887	-1.6342	0.19498

Device Test: 13.31; VTH_SENSE

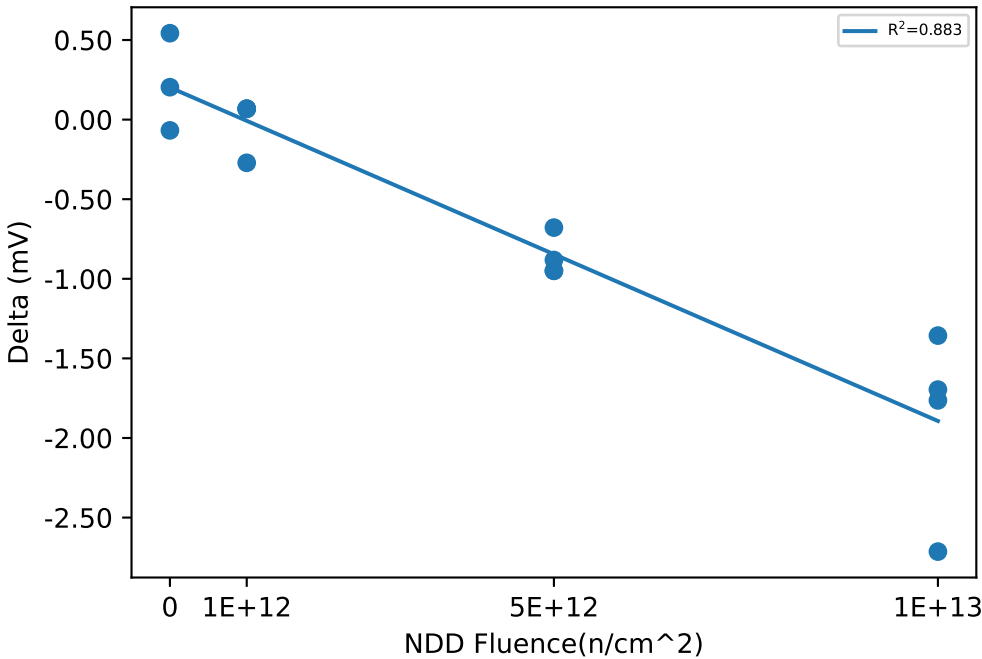
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.34	599.41	0.0679
315	1e+12	NDD Unbiased	600.23	599.95	-0.2714
316	1e+12	NDD Unbiased	600.02	600.09	0.0679
317	1e+12	NDD Unbiased	598.12	598.19	0.0679
318	5e+12	NDD Unbiased	598.46	597.78	-0.6784
319	5e+12	NDD Unbiased	599	598.05	-0.9498
320	5e+12	NDD Unbiased	599.68	598.73	-0.9497
321	5e+12	NDD Unbiased	599.48	598.6	-0.882
322	1e+13	NDD Unbiased	599.62	597.85	-1.7639
323	1e+13	NDD Unbiased	599.07	597.38	-1.696
324	1e+13	NDD Unbiased	599.48	598.12	-1.3568
325	1e+13	NDD Unbiased	598.46	595.75	-2.7137
326	0	Correlation	598.87	599.41	0.5428
327	0	Correlation	599.07	599.28	0.2036
328	0	Correlation	598.46	598.39	-0.0677

NDD vs Post - Pre Exposure Delta

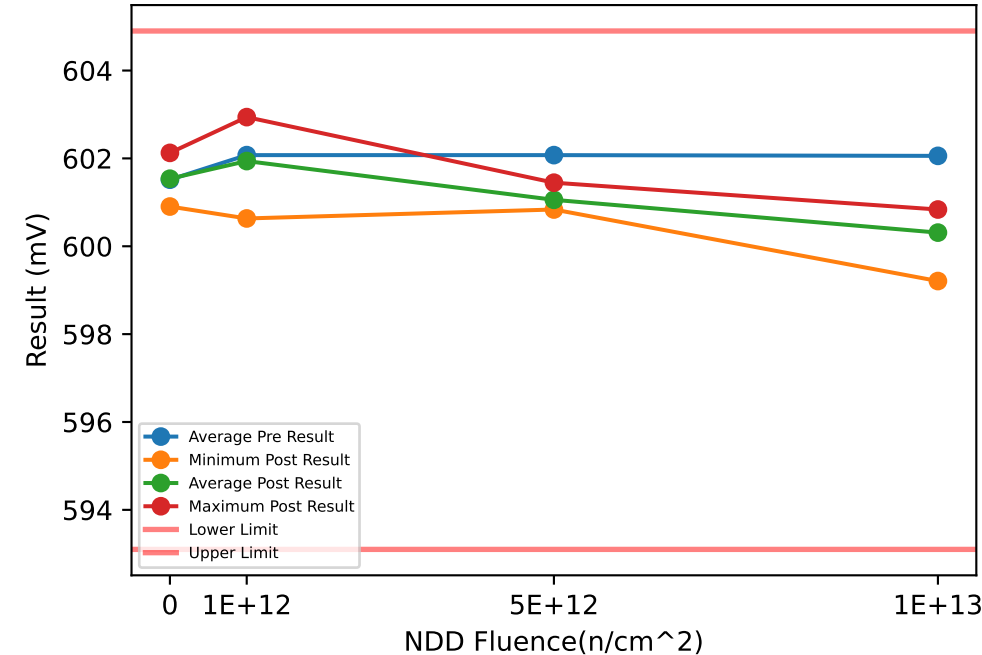


Test Statistics (mV)

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	598.46	598.8	599.07	0.31091	598.39	599.03	599.41	0.55252	-0.0677	0.22623	0.5428	0.30588
1e+12	598.12	599.43	600.23	0.94883	598.19	599.41	600.09	0.8653	-0.2714	-0.016925	0.0679	0.16965
5e+12	598.46	599.16	599.68	0.54382	597.78	598.29	598.73	0.44834	-0.9498	-0.86497	-0.6784	0.12842
1e+13	598.46	599.16	599.62	0.51782	595.75	597.27	598.12	1.0634	-2.7137	-1.8826	-1.3568	0.58198

Device Test: 13.32; VTH_SENSE

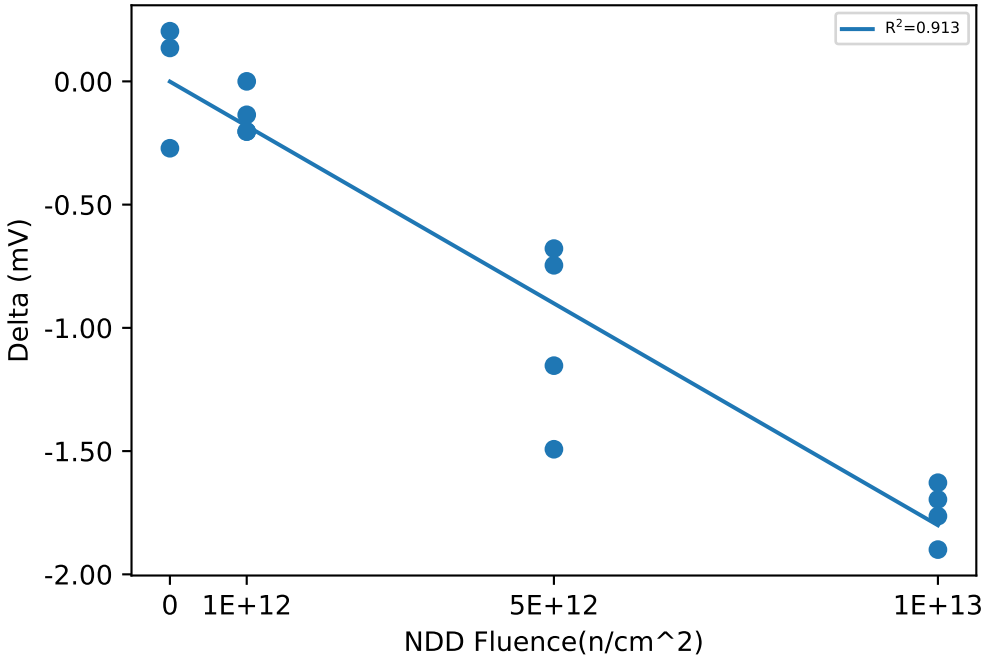
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.92	601.92	0.0001
315	1e+12	NDD Unbiased	603.14	602.94	-0.2034
316	1e+12	NDD Unbiased	602.46	602.26	-0.2035
317	1e+12	NDD Unbiased	600.77	600.63	-0.1356
318	5e+12	NDD Unbiased	601.58	600.9	-0.6784
319	5e+12	NDD Unbiased	602.19	601.04	-1.1533
320	5e+12	NDD Unbiased	602.19	601.45	-0.7462
321	5e+12	NDD Unbiased	602.33	600.84	-1.4925
322	1e+13	NDD Unbiased	602.46	600.77	-1.6961
323	1e+13	NDD Unbiased	602.19	600.43	-1.7639
324	1e+13	NDD Unbiased	602.46	600.84	-1.6282
325	1e+13	NDD Unbiased	601.11	599.21	-1.8996
326	0	Correlation	601.99	602.13	0.1357
327	0	Correlation	601.85	601.58	-0.2713
328	0	Correlation	600.7	600.9	0.2036

NDD vs Post - Pre Exposure Delta

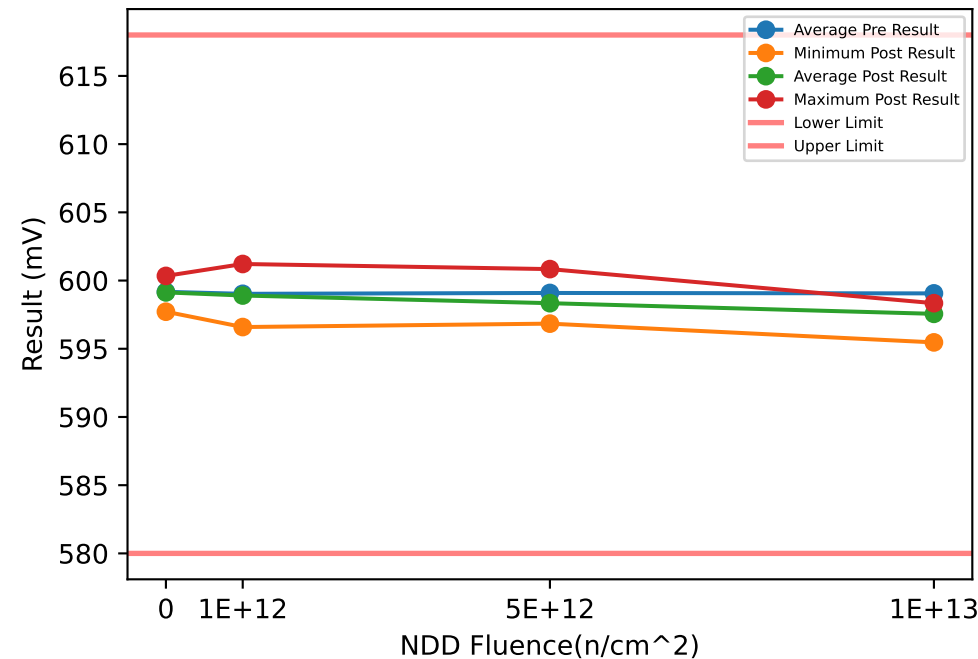


Test Statistics (mV)

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	600.7	601.51	601.99	0.70832	600.9	601.54	602.13	0.61185	-0.2713	0.022667	0.2036	0.25684
1e+12	600.77	602.07	603.14	1.0038	600.63	601.94	602.94	0.96806	-0.2035	-0.1356	0.0001	0.095954
5e+12	601.58	602.07	602.33	0.3341	600.84	601.06	601.45	0.2735	-1.4925	-1.0176	-0.6784	0.37976
1e+13	601.11	602.06	602.46	0.64601	599.21	600.31	600.84	0.75625	-1.8996	-1.7469	-1.6282	0.11587

Device Test: 13.33; VTH_SR_UVLO_RISE

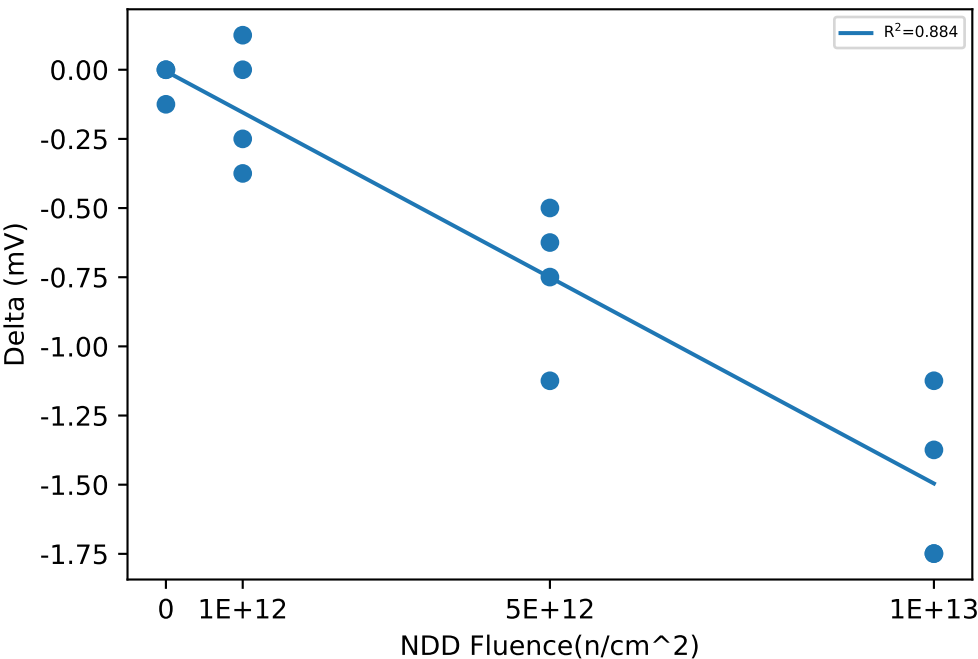
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.72	599.47	-0.2499
315	1e+12	NDD Unbiased	601.21	601.21	0
316	1e+12	NDD Unbiased	596.97	596.59	-0.3748
317	1e+12	NDD Unbiased	598.22	598.34	0.1249
318	5e+12	NDD Unbiased	601.59	600.84	-0.7495
319	5e+12	NDD Unbiased	597.97	596.84	-1.1244
320	5e+12	NDD Unbiased	599.22	598.59	-0.6246
321	5e+12	NDD Unbiased	597.59	597.09	-0.4997
322	1e+13	NDD Unbiased	596.84	595.47	-1.3742
323	1e+13	NDD Unbiased	600.09	598.34	-1.749
324	1e+13	NDD Unbiased	599.47	598.34	-1.1243
325	1e+13	NDD Unbiased	599.84	598.09	-1.7491
326	0	Correlation	600.34	600.34	0
327	0	Correlation	599.47	599.34	-0.1249
328	0	Correlation	597.72	597.72	0

NDD vs Post - Pre Exposure Delta

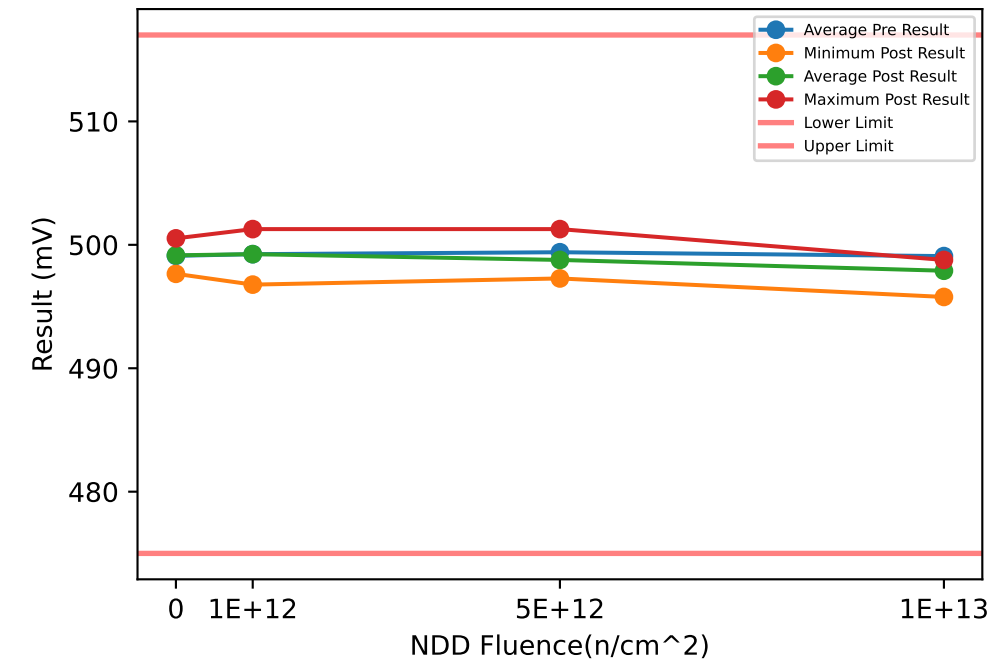


Test Statistics (mV)

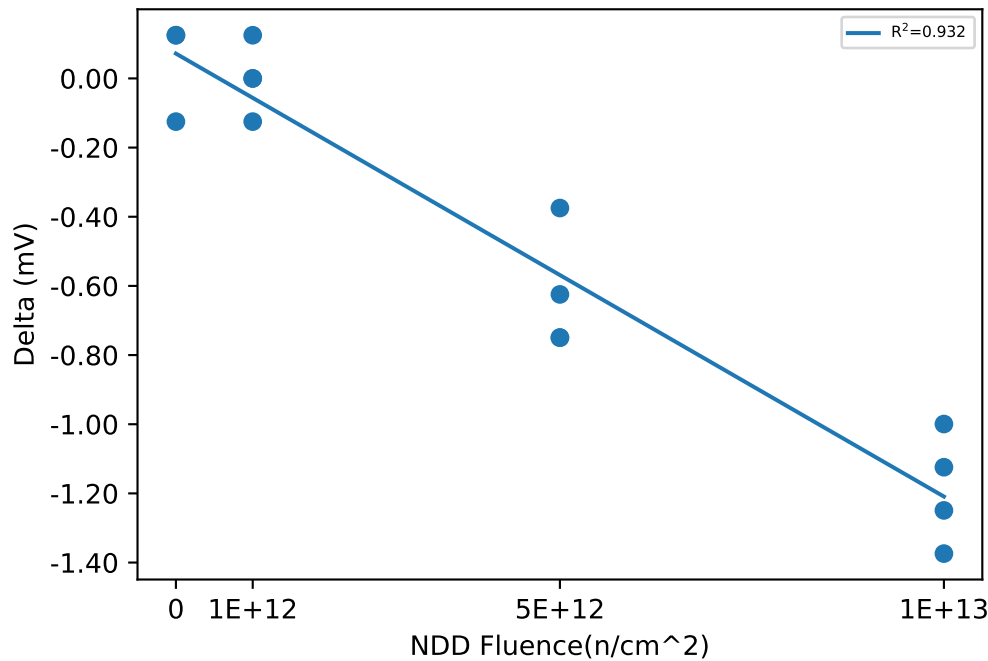
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.72	599.17	600.34	1.3358	597.72	599.13	600.34	1.324	-0.1249	-0.041633	0	0.072111
1e+12	596.97	599.03	601.21	1.8402	596.59	598.9	601.21	1.942	-0.3748	-0.12495	0.1249	0.22809
5e+12	597.59	599.09	601.59	1.8046	596.84	598.34	600.84	1.8361	-1.1244	-0.74955	-0.4997	0.26991
1e+13	596.84	599.06	600.09	1.5004	595.47	597.56	598.34	1.4	-1.7491	-1.4991	-1.1243	0.30606

Device Test: 13.34; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

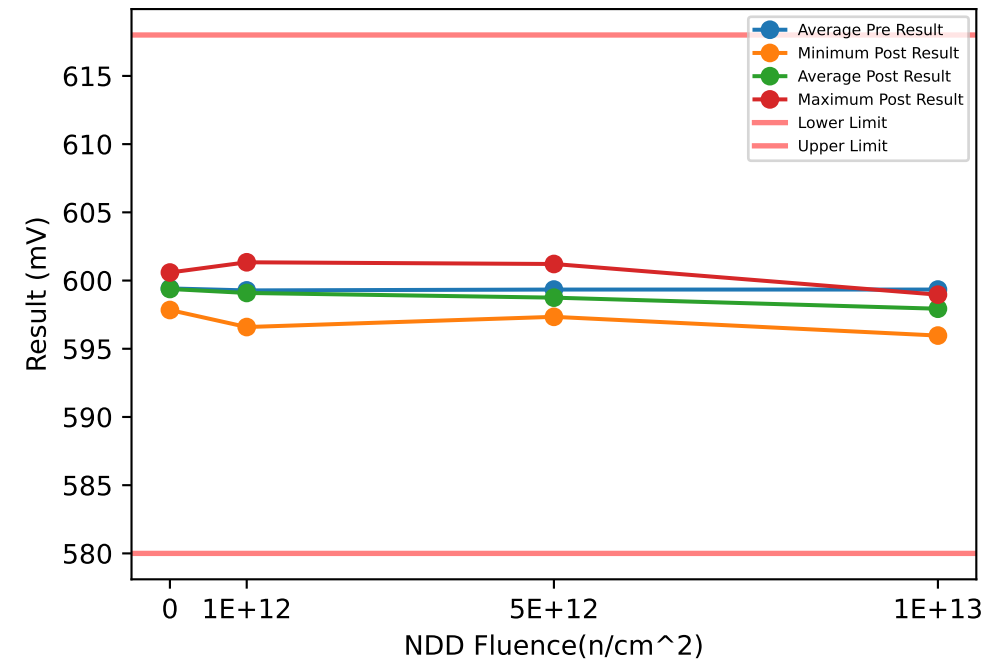
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	500.02	500.02	0
315	1e+12	NDD Unbiased	501.27	501.27	0
316	1e+12	NDD Unbiased	496.9	496.78	-0.1249
317	1e+12	NDD Unbiased	498.78	498.9	0.1249
318	5e+12	NDD Unbiased	502.02	501.27	-0.7495
319	5e+12	NDD Unbiased	497.9	497.28	-0.6246
320	5e+12	NDD Unbiased	499.77	499.03	-0.7495
321	5e+12	NDD Unbiased	497.9	497.53	-0.3748
322	1e+13	NDD Unbiased	496.9	495.78	-1.1243
323	1e+13	NDD Unbiased	500.02	498.78	-1.2492
324	1e+13	NDD Unbiased	499.4	498.4	-0.9994
325	1e+13	NDD Unbiased	500.02	498.65	-1.3741
326	0	Correlation	500.4	500.52	0.125
327	0	Correlation	499.4	499.27	-0.1249
328	0	Correlation	497.53	497.65	0.125

Test Statistics (mV)

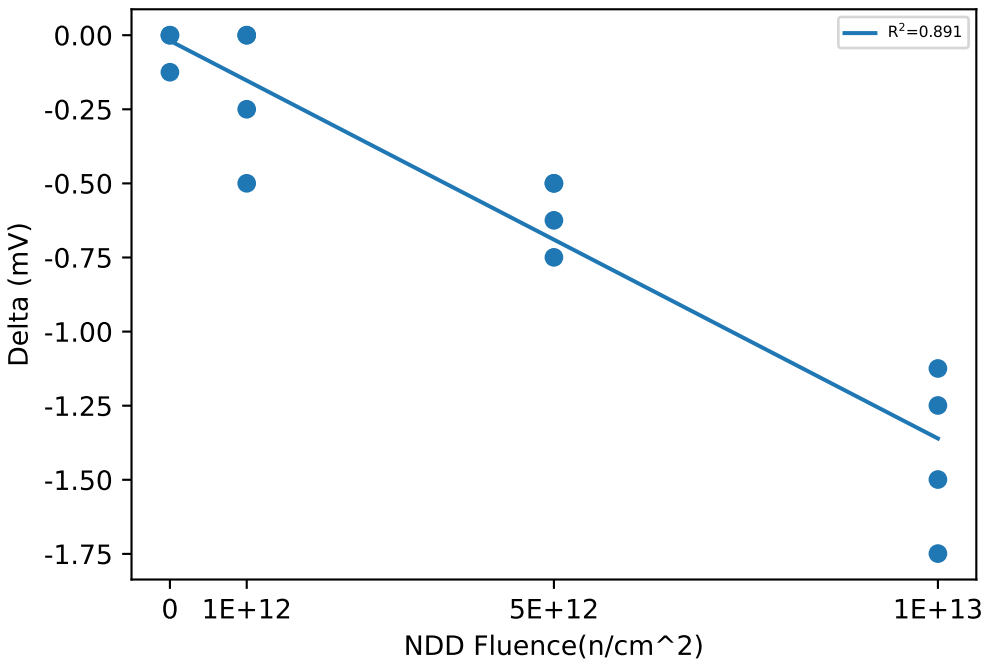
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	497.53	499.11	500.4	1.4587	497.65	499.15	500.52	1.4407	-0.1249	0.0417	0.125	0.14428
1e+12	496.9	499.24	501.27	1.8652	496.78	499.24	501.27	1.9093	-0.1249	1.4211e-14	0.1249	0.10198
5e+12	497.9	499.4	502.02	1.9594	497.28	498.78	501.27	1.8361	-0.7495	-0.6246	-0.3748	0.17664
1e+13	496.9	499.09	500.02	1.4869	495.78	497.9	498.78	1.4244	-1.3741	-1.1868	-0.9994	0.16125

Device Test: 13.36; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

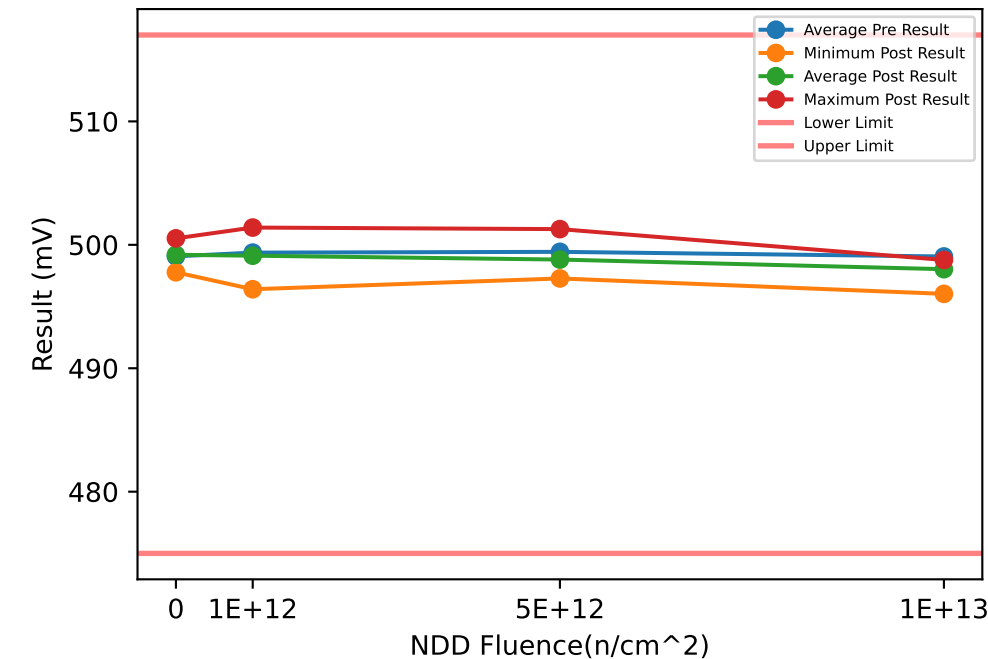
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.97	599.97	0
315	1e+12	NDD Unbiased	601.34	601.34	0
316	1e+12	NDD Unbiased	597.09	596.59	-0.4997
317	1e+12	NDD Unbiased	598.72	598.47	-0.2498
318	5e+12	NDD Unbiased	601.84	601.21	-0.6246
319	5e+12	NDD Unbiased	598.09	597.34	-0.7495
320	5e+12	NDD Unbiased	599.47	598.97	-0.4997
321	5e+12	NDD Unbiased	597.97	597.47	-0.4998
322	1e+13	NDD Unbiased	597.09	595.97	-1.1244
323	1e+13	NDD Unbiased	600.46	598.97	-1.4991
324	1e+13	NDD Unbiased	599.72	598.47	-1.2492
325	1e+13	NDD Unbiased	600.09	598.34	-1.749
326	0	Correlation	600.71	600.59	-0.1249
327	0	Correlation	599.72	599.72	0
328	0	Correlation	597.84	597.84	0

Test Statistics (mV)

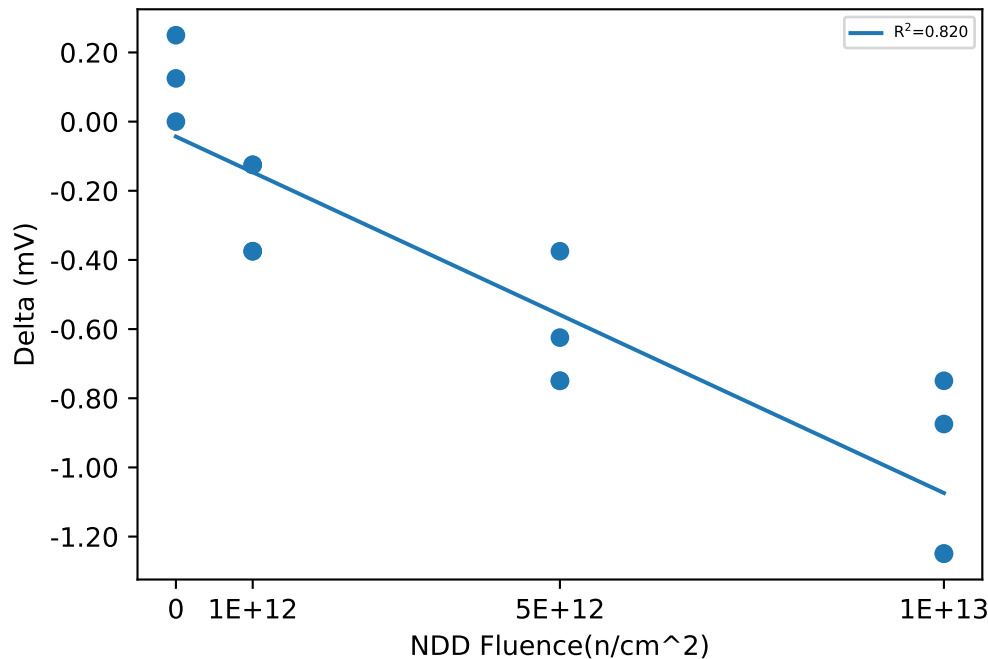
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.84	599.42	600.71	1.4587	597.84	599.38	600.59	1.4042	-0.1249	-0.041633	0	0.072111
1e+12	597.09	599.28	601.34	1.8089	596.59	599.09	601.34	2.0374	-0.4997	-0.18738	0	0.23921
5e+12	597.97	599.34	601.84	1.7988	597.34	598.75	601.21	1.8028	-0.7495	-0.5934	-0.4997	0.11956
1e+13	597.09	599.34	600.46	1.53	595.97	597.93	598.97	1.3392	-1.749	-1.4054	-1.1244	0.27701

Device Test: 13.37; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

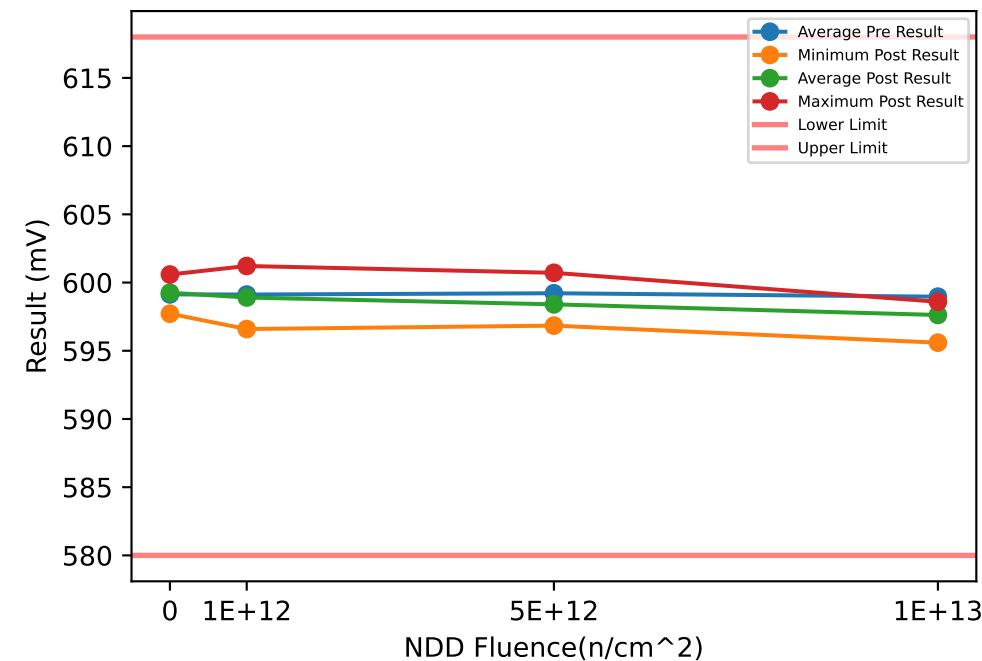
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	500.15	499.77	-0.3748
315	1e+12	NDD Unbiased	501.52	501.4	-0.125
316	1e+12	NDD Unbiased	496.78	496.4	-0.3748
317	1e+12	NDD Unbiased	499.03	498.9	-0.125
318	5e+12	NDD Unbiased	502.02	501.27	-0.7495
319	5e+12	NDD Unbiased	498.03	497.28	-0.7495
320	5e+12	NDD Unbiased	499.77	499.15	-0.6246
321	5e+12	NDD Unbiased	497.9	497.53	-0.3748
322	1e+13	NDD Unbiased	496.9	496.03	-0.8745
323	1e+13	NDD Unbiased	500.02	498.78	-1.2492
324	1e+13	NDD Unbiased	499.27	498.53	-0.7495
325	1e+13	NDD Unbiased	500.02	498.78	-1.2492
326	0	Correlation	500.4	500.52	0.125
327	0	Correlation	499.27	499.27	0
328	0	Correlation	497.53	497.78	0.2499

Test Statistics (mV)

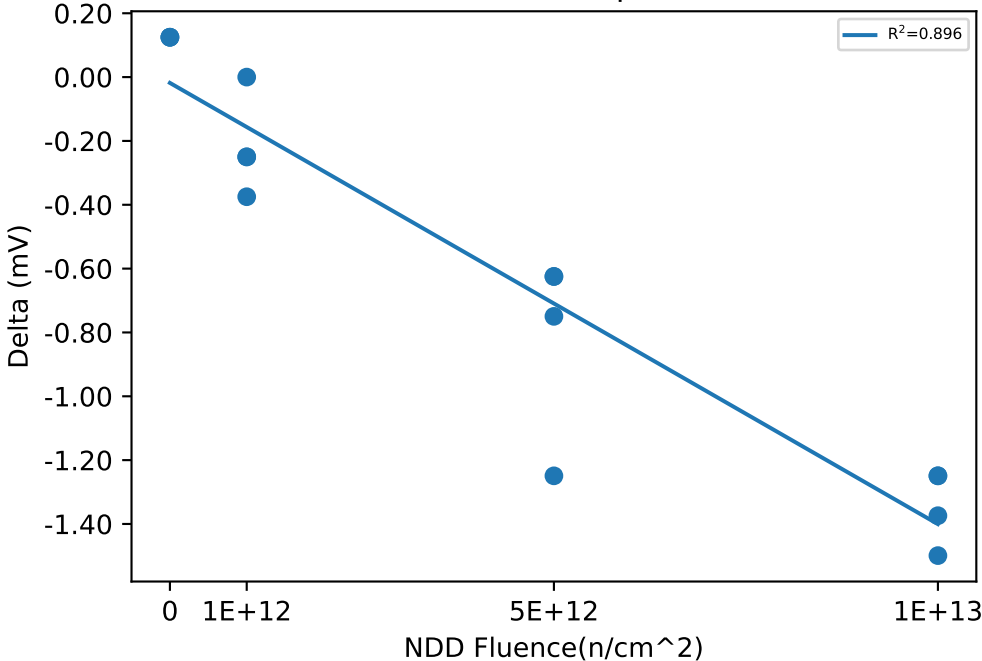
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	497.53	499.07	500.4	1.4479	497.78	499.19	500.52	1.3761	0	0.12497	0.2499	0.12495
1e+12	496.78	499.37	501.52	2.0076	496.4	499.12	501.4	2.0863	-0.3748	-0.2499	-0.125	0.14422
5e+12	497.9	499.43	502.02	1.9283	497.28	498.81	501.27	1.8428	-0.7495	-0.6246	-0.3748	0.17664
1e+13	496.9	499.06	500.02	1.4794	496.03	498.03	498.78	1.3378	-1.2492	-1.0306	-0.7495	0.25752

Device Test: 13.39; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

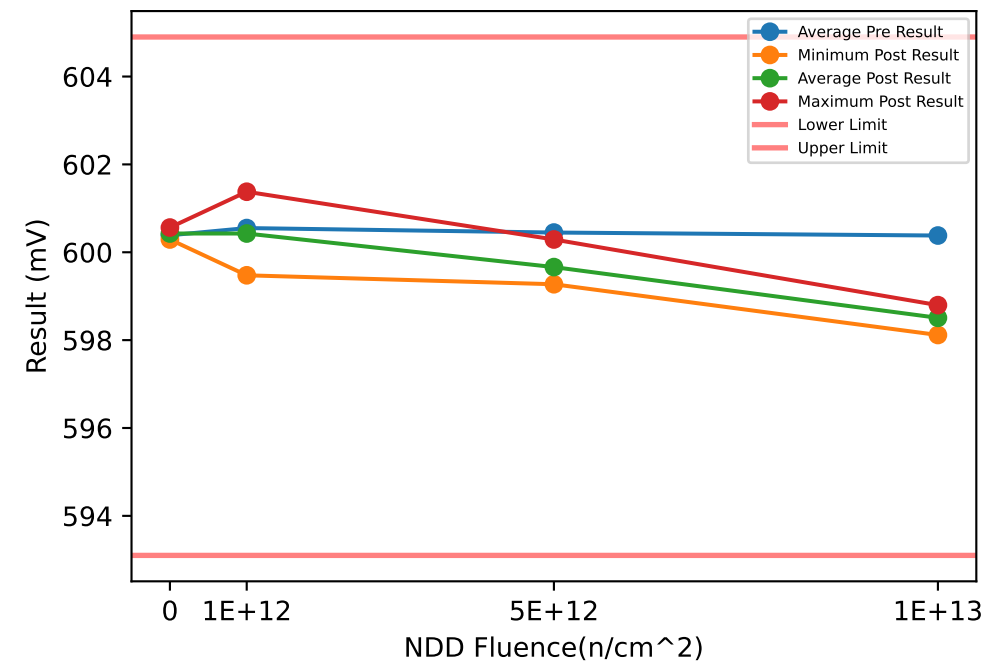
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.84	599.59	-0.25
315	1e+12	NDD Unbiased	601.21	601.21	0
316	1e+12	NDD Unbiased	596.97	596.59	-0.3748
317	1e+12	NDD Unbiased	598.47	598.22	-0.2499
318	5e+12	NDD Unbiased	601.46	600.71	-0.7496
319	5e+12	NDD Unbiased	598.09	596.84	-1.2492
320	5e+12	NDD Unbiased	599.47	598.84	-0.6246
321	5e+12	NDD Unbiased	597.84	597.22	-0.6246
322	1e+13	NDD Unbiased	596.84	595.59	-1.2492
323	1e+13	NDD Unbiased	599.97	598.59	-1.3741
324	1e+13	NDD Unbiased	599.47	598.22	-1.2492
325	1e+13	NDD Unbiased	599.59	598.09	-1.4991
326	0	Correlation	600.46	600.59	0.125
327	0	Correlation	599.34	599.47	0.1249
328	0	Correlation	597.59	597.72	0.1249

Test Statistics (mV)

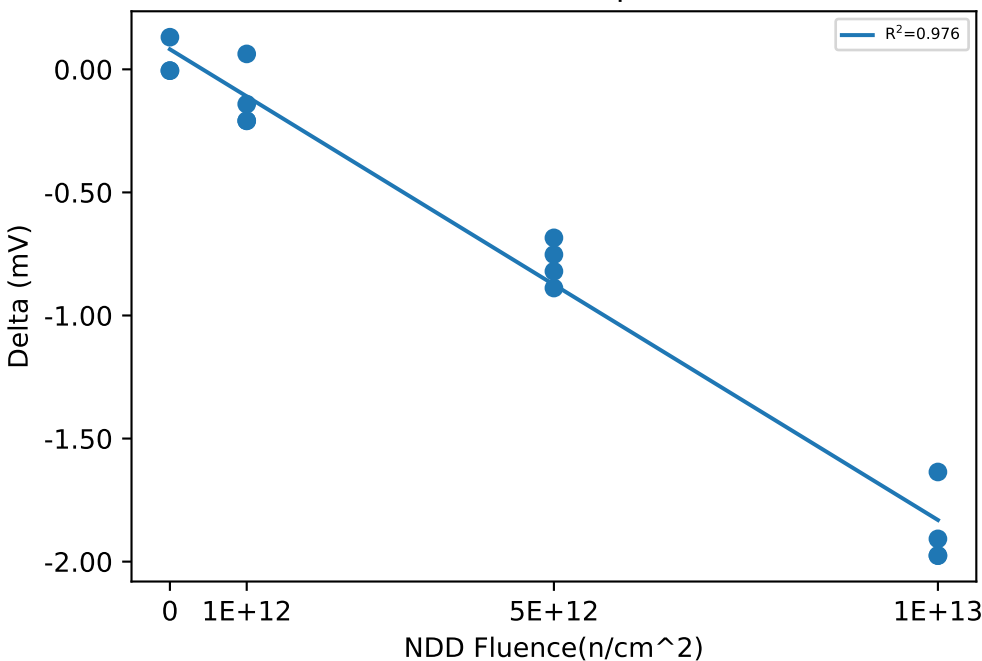
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.59	599.13	600.46	1.4479	597.72	599.26	600.59	1.4479	0.1249	0.12493	0.125	5.7735e-05
1e+12	596.97	599.12	601.21	1.8228	596.59	598.9	601.21	1.9686	-0.3748	-0.21868	0	0.15722
5e+12	597.84	599.22	601.46	1.6605	596.84	598.4	600.71	1.7682	-1.2492	-0.812	-0.6246	0.29736
1e+13	596.84	598.97	599.97	1.4316	595.59	597.62	598.59	1.3699	-1.4991	-1.3429	-1.2492	0.11963

Device Test: 13.4; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

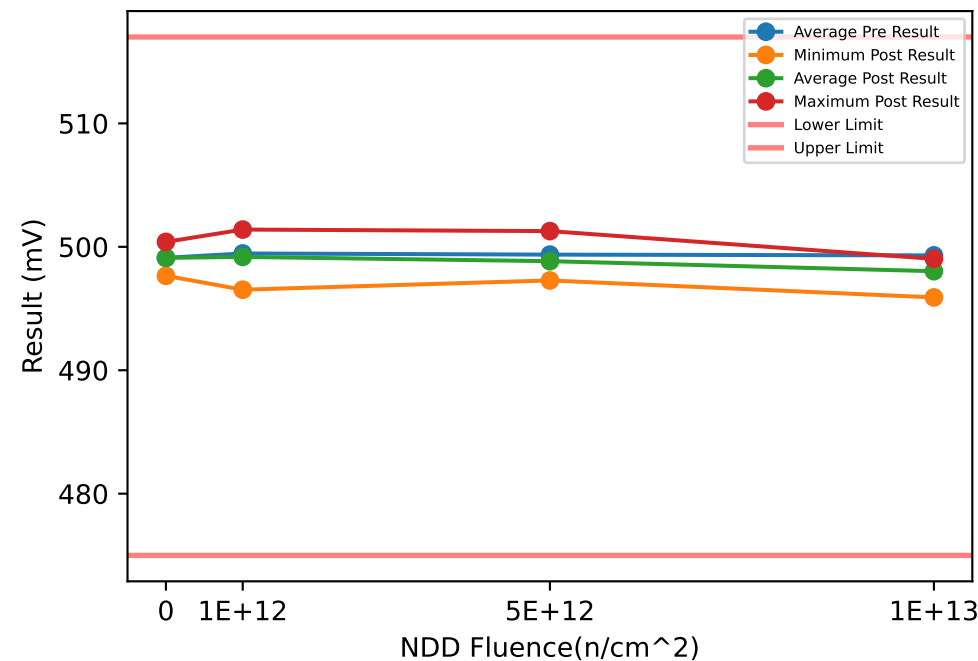
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	599.68	599.48	-0.2091
315	1e+12	NDD Unbiased	601.52	601.38	-0.1412
316	1e+12	NDD Unbiased	600.91	600.7	-0.2091
317	1e+12	NDD Unbiased	600.09	600.16	0.0627
318	5e+12	NDD Unbiased	600.23	599.48	-0.7526
319	5e+12	NDD Unbiased	600.43	599.61	-0.8205
320	5e+12	NDD Unbiased	600.98	600.29	-0.6846
321	5e+12	NDD Unbiased	600.16	599.27	-0.8885
322	1e+13	NDD Unbiased	599.75	598.12	-1.6358
323	1e+13	NDD Unbiased	600.77	598.8	-1.9755
324	1e+13	NDD Unbiased	600.7	598.73	-1.9754
325	1e+13	NDD Unbiased	600.3	598.39	-1.9075
326	0	Correlation	600.3	600.43	0.1306
327	0	Correlation	600.3	600.29	-0.0052
328	0	Correlation	600.57	600.56	-0.0052

Test Statistics (mV)

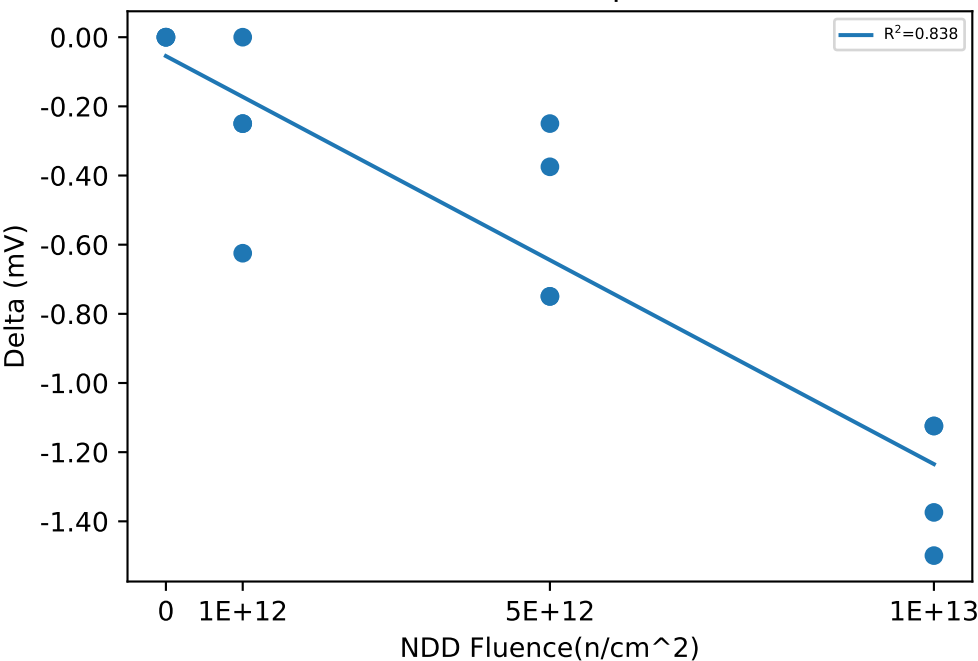
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.3	600.39	600.57	0.15687	600.29	600.43	600.56	0.13585	-0.0052	0.040067	0.1306	0.078404
1e+12	599.68	600.55	601.52	0.82158	599.48	600.43	601.38	0.80764	-0.2091	-0.12418	0.0627	0.12863
5e+12	600.16	600.45	600.98	0.3695	599.27	599.66	600.29	0.44161	-0.8885	-0.78655	-0.6846	0.087736
1e+13	599.75	600.38	600.77	0.46864	598.12	598.51	598.8	0.31564	-1.9755	-1.8736	-1.6358	0.1617

Device Test: 13.40; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

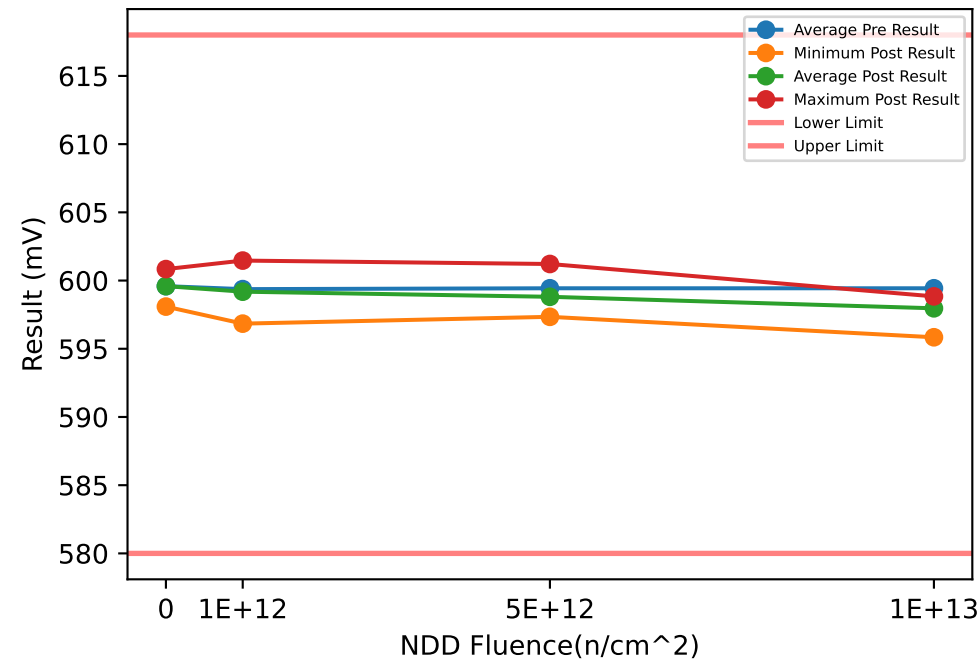
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	500.02	500.02	0
315	1e+12	NDD Unbiased	501.65	501.4	-0.2499
316	1e+12	NDD Unbiased	497.15	496.53	-0.6247
317	1e+12	NDD Unbiased	499.03	498.78	-0.2499
318	5e+12	NDD Unbiased	502.02	501.27	-0.7495
319	5e+12	NDD Unbiased	498.03	497.28	-0.7495
320	5e+12	NDD Unbiased	499.52	499.27	-0.2498
321	5e+12	NDD Unbiased	497.9	497.53	-0.3748
322	1e+13	NDD Unbiased	497.28	495.9	-1.3742
323	1e+13	NDD Unbiased	500.15	499.03	-1.1243
324	1e+13	NDD Unbiased	499.52	498.4	-1.1243
325	1e+13	NDD Unbiased	500.27	498.78	-1.4991
326	0	Correlation	500.4	500.4	0
327	0	Correlation	499.27	499.27	0
328	0	Correlation	497.65	497.65	0

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	497.65	499.11	500.4	1.3817	497.65	499.11	500.4	1.3817	0	0	0	0
1e+12	497.15	499.46	501.65	1.8822	496.53	499.18	501.4	2.0688	-0.6247	-0.28113	0	0.25757
5e+12	497.9	499.37	502.02	1.9175	497.28	498.84	501.27	1.8516	-0.7495	-0.5309	-0.2498	0.25752
1e+13	497.28	499.31	500.27	1.3925	495.9	498.03	499.03	1.4389	-1.4991	-1.2805	-1.1243	0.18741

Device Test: 13.42; VTH_SR_UVLO_RISE

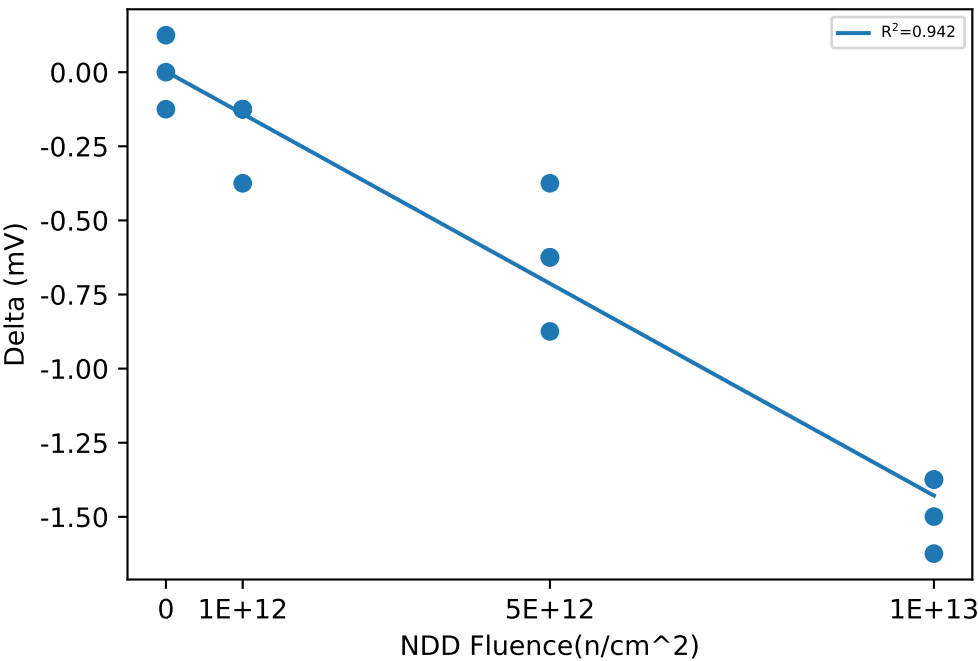
NDD vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	600.09	599.97	-0.125
315	1e+12	NDD Unbiased	601.59	601.46	-0.1249
316	1e+12	NDD Unbiased	597.22	596.84	-0.3748
317	1e+12	NDD Unbiased	598.59	598.47	-0.1249
318	5e+12	NDD Unbiased	601.84	601.21	-0.6246
319	5e+12	NDD Unbiased	598.22	597.34	-0.8745
320	5e+12	NDD Unbiased	599.72	599.09	-0.6246
321	5e+12	NDD Unbiased	597.97	597.59	-0.3748
322	1e+13	NDD Unbiased	597.22	595.84	-1.3742
323	1e+13	NDD Unbiased	600.46	598.84	-1.624
324	1e+13	NDD Unbiased	599.97	598.59	-1.3741
325	1e+13	NDD Unbiased	600.09	598.59	-1.4991
326	0	Correlation	600.84	600.84	0
327	0	Correlation	599.97	599.84	-0.1248
328	0	Correlation	597.97	598.09	0.1248

NDD vs Post - Pre Exposure Delta

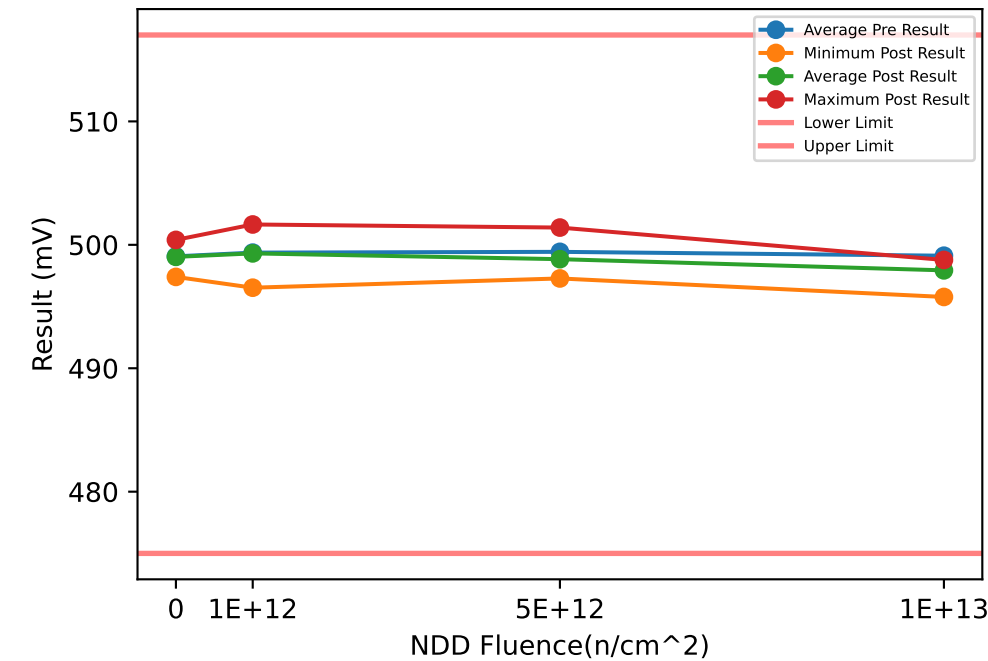


Test Statistics (mV)

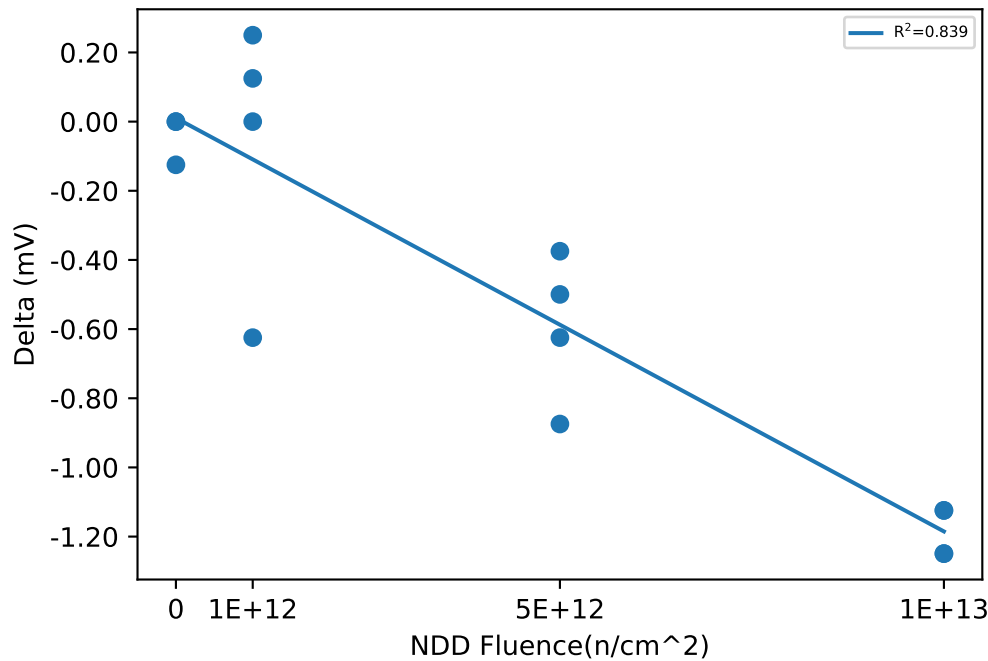
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.97	599.59	600.84	1.4728	598.09	599.59	600.84	1.3912	-0.1248	-3.7896e-14	0.1248	0.1248
1e+12	597.22	599.37	601.59	1.8874	596.84	599.18	601.46	1.9841	-0.3748	-0.1874	-0.1249	0.12493
5e+12	597.97	599.43	601.84	1.7795	597.34	598.81	601.21	1.7795	-0.8745	-0.62463	-0.3748	0.204
1e+13	597.22	599.43	600.46	1.4934	595.84	597.97	598.84	1.4207	-1.624	-1.4678	-1.3741	0.11961

Device Test: 13.43; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

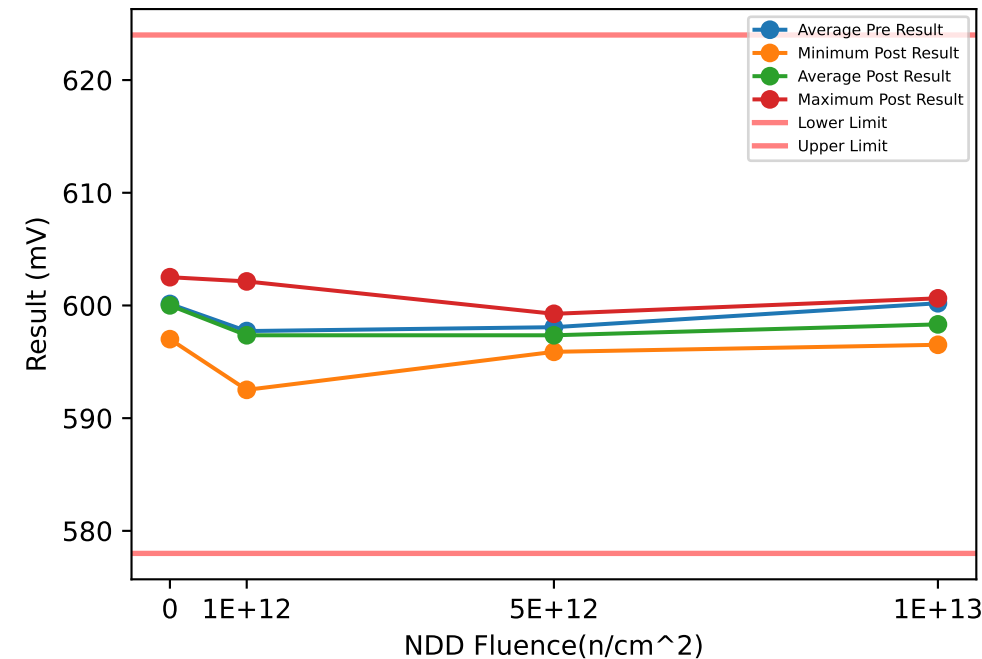
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	500.02	500.15	0.125
315	1e+12	NDD Unbiased	501.4	501.65	0.2499
316	1e+12	NDD Unbiased	497.15	496.53	-0.6247
317	1e+12	NDD Unbiased	498.9	498.9	0
318	5e+12	NDD Unbiased	501.9	501.4	-0.4997
319	5e+12	NDD Unbiased	498.15	497.28	-0.8745
320	5e+12	NDD Unbiased	499.77	499.15	-0.6246
321	5e+12	NDD Unbiased	497.9	497.53	-0.3748
322	1e+13	NDD Unbiased	496.9	495.78	-1.1243
323	1e+13	NDD Unbiased	500.02	498.78	-1.2492
324	1e+13	NDD Unbiased	499.65	498.4	-1.2492
325	1e+13	NDD Unbiased	499.9	498.78	-1.1243
326	0	Correlation	500.4	500.4	0
327	0	Correlation	499.27	499.27	0
328	0	Correlation	497.53	497.4	-0.1249

Test Statistics (mV)

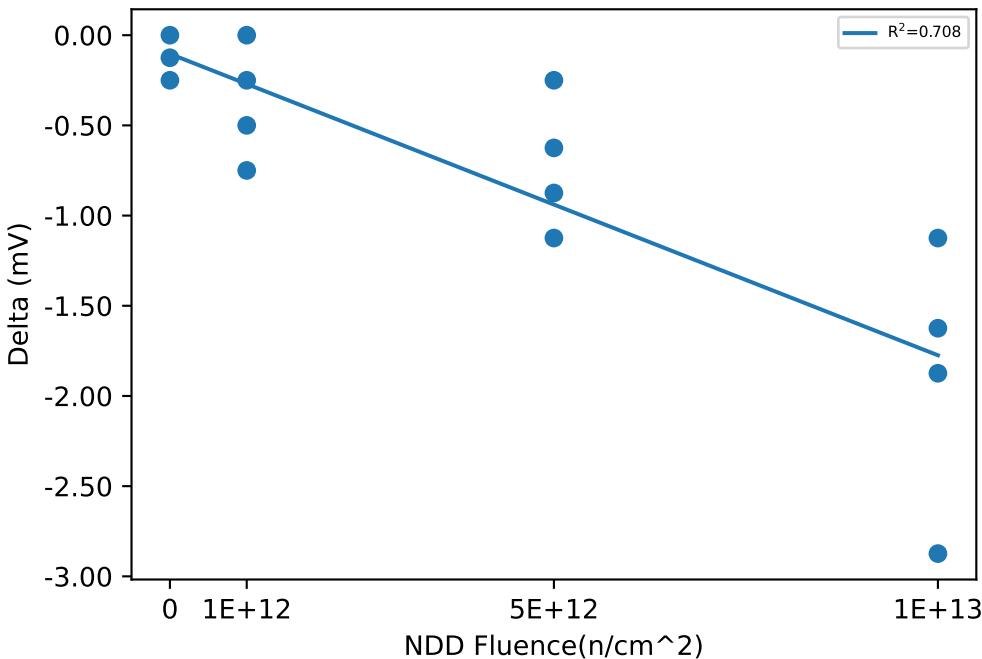
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	497.53	499.07	500.4	1.4479	497.4	499.03	500.4	1.5146	-0.1249	-0.041633	0	0.072111
1e+12	497.15	499.37	501.4	1.797	496.53	499.31	501.65	2.1671	-0.6247	-0.06245	0.2499	0.38847
5e+12	497.9	499.43	501.9	1.8427	497.28	498.84	501.4	1.8987	-0.8745	-0.5934	-0.3748	0.21335
1e+13	496.9	499.12	500.02	1.4865	495.78	497.93	498.78	1.4475	-1.2492	-1.1868	-1.1243	0.072111

Device Test: 13.45; VTH_WDI_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

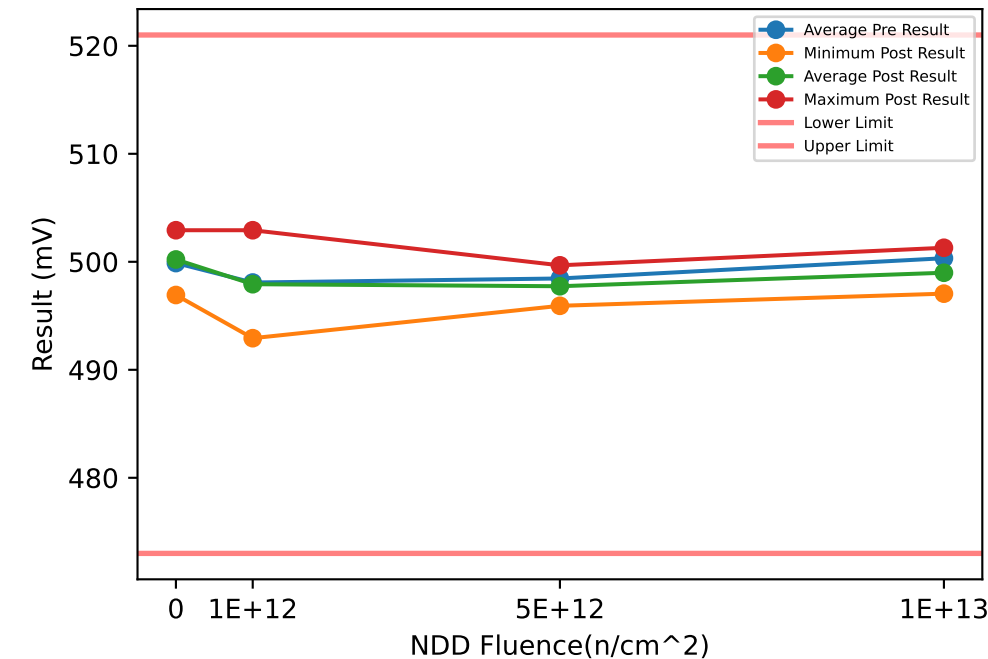
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	593.01	592.51	-0.4999
315	1e+12	NDD Unbiased	599.88	599.63	-0.25
316	1e+12	NDD Unbiased	595.14	595.14	0
317	1e+12	NDD Unbiased	602.88	602.13	-0.7497
318	5e+12	NDD Unbiased	596.76	596.14	-0.6248
319	5e+12	NDD Unbiased	596.14	595.89	-0.2499
320	5e+12	NDD Unbiased	600.13	599.26	-0.8747
321	5e+12	NDD Unbiased	599.26	598.14	-1.1245
322	1e+13	NDD Unbiased	598.51	596.89	-1.6244
323	1e+13	NDD Unbiased	598.38	596.51	-1.8742
324	1e+13	NDD Unbiased	602.13	599.26	-2.8739
325	1e+13	NDD Unbiased	601.76	600.63	-1.1246
326	0	Correlation	597.14	597.01	-0.1249
327	0	Correlation	602.76	602.51	-0.2499
328	0	Correlation	600.51	600.51	0

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	597.14	600.13	602.76	2.8301	597.01	600.01	602.51	2.7828	-0.2499	-0.12493	0	0.12495
1e+12	593.01	597.73	602.88	4.479	592.51	597.35	602.13	4.3361	-0.7497	-0.3749	0	0.32262
5e+12	596.14	598.07	600.13	1.9263	595.89	597.35	599.26	1.6208	-1.1245	-0.71848	-0.2499	0.3731
1e+13	598.38	600.2	602.13	2.0264	596.51	598.32	600.63	1.9637	-2.8739	-1.8743	-1.1246	0.73569

Device Test: 13.46; VTH_WDI_FALL

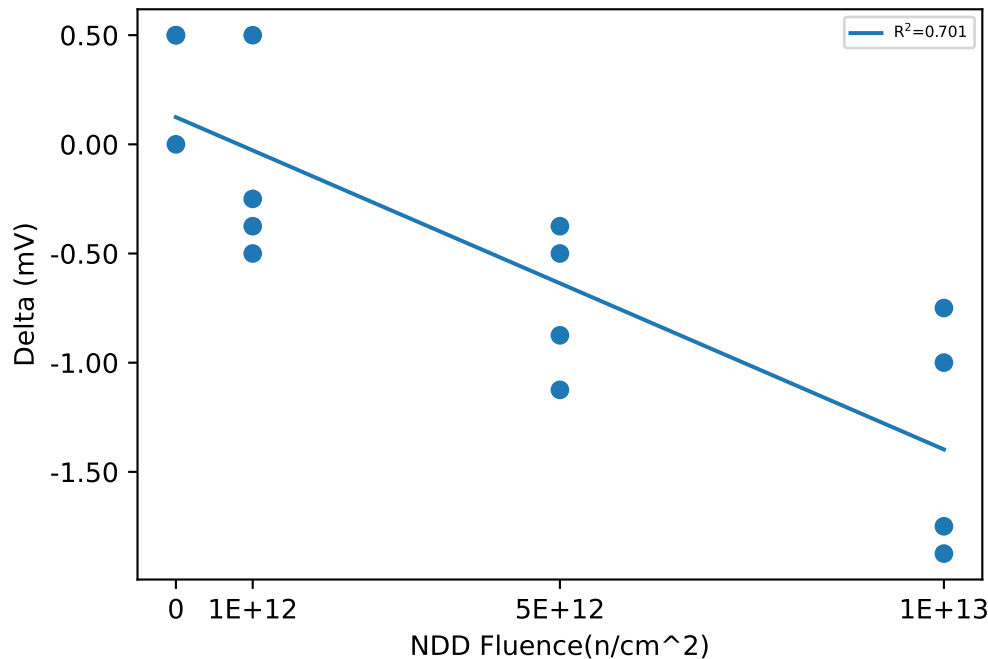
NDD vs Result Stats



Test Results (Lower Limit = 473.0, Upper Limit = 521.0 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	493.3	492.93	-0.3749
315	1e+12	NDD Unbiased	500.3	500.05	-0.2499
316	1e+12	NDD Unbiased	495.3	495.8	0.4998
317	1e+12	NDD Unbiased	503.42	502.92	-0.4999
318	5e+12	NDD Unbiased	497.18	496.68	-0.4999
319	5e+12	NDD Unbiased	496.3	495.93	-0.3749
320	5e+12	NDD Unbiased	500.8	499.67	-1.1246
321	5e+12	NDD Unbiased	499.55	498.67	-0.8747
322	1e+13	NDD Unbiased	498.92	497.92	-0.9997
323	1e+13	NDD Unbiased	498.8	497.05	-1.7493
324	1e+13	NDD Unbiased	501.55	499.67	-1.8743
325	1e+13	NDD Unbiased	502.05	501.3	-0.7497
326	0	Correlation	496.93	496.93	0
327	0	Correlation	502.42	502.92	0.4998
328	0	Correlation	500.3	500.8	0.4998

NDD vs Post - Pre Exposure Delta

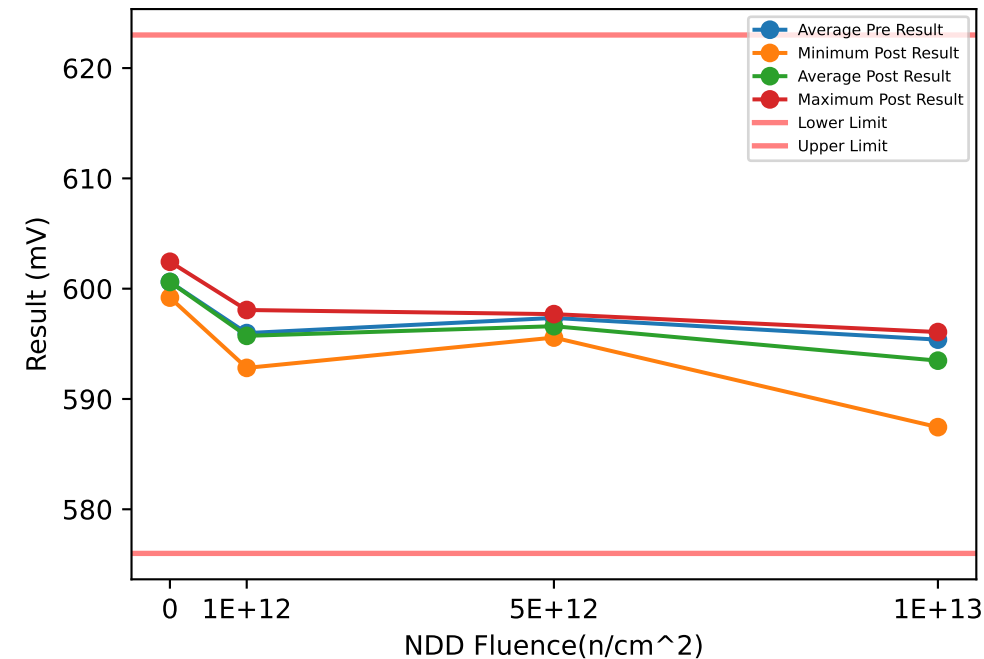


Test Statistics (mV)

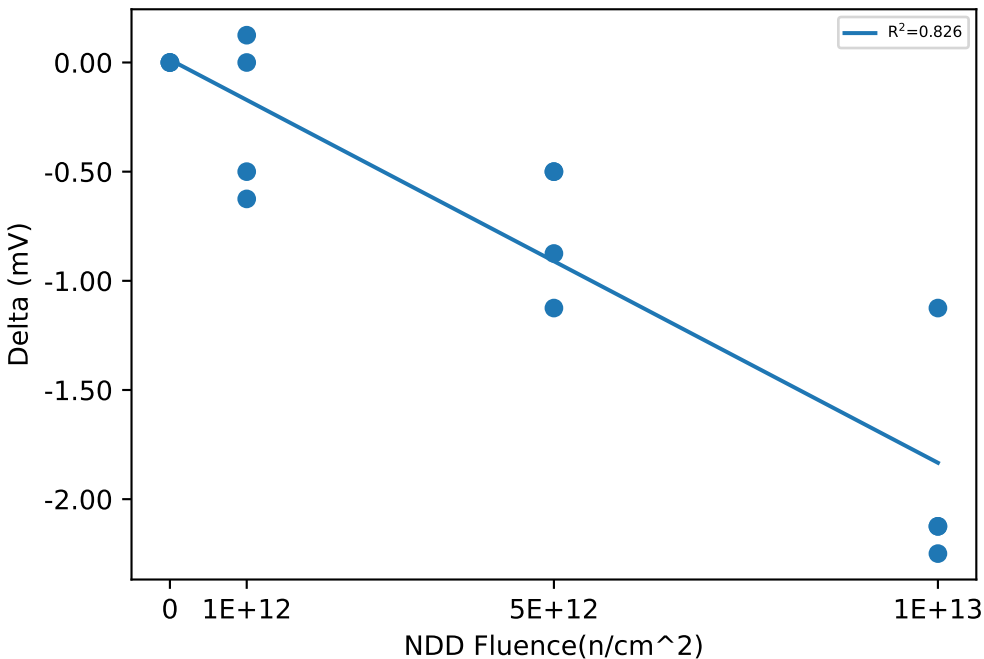
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	496.93	499.88	502.42	2.7725	496.93	500.22	502.92	3.041	0	0.3332	0.4998	0.28856
1e+12	493.3	498.08	503.42	4.6197	492.93	497.92	502.92	4.4341	-0.4999	-0.15623	0.4998	0.4491
5e+12	496.3	498.46	500.8	2.0793	495.93	497.74	499.67	1.7359	-1.1246	-0.71852	-0.3749	0.34407
1e+13	498.8	500.33	502.05	1.7083	497.05	498.99	501.3	1.8881	-1.8743	-1.3433	-0.7497	0.55294

Device Test: 13.48; VTH_MODE_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 576.0, Upper Limit = 623.0 (mV))

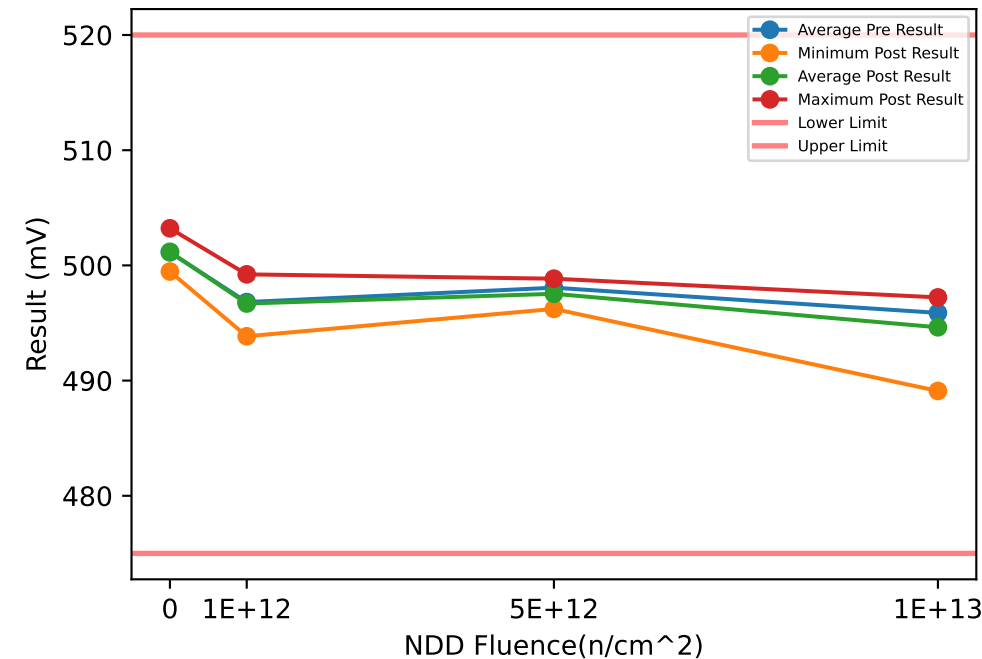
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.57	598.07	-0.4999
315	1e+12	NDD Unbiased	594.94	594.32	-0.6248
316	1e+12	NDD Unbiased	597.57	597.69	0.125
317	1e+12	NDD Unbiased	592.82	592.82	0
318	5e+12	NDD Unbiased	598.19	597.69	-0.4999
319	5e+12	NDD Unbiased	596.44	595.57	-0.8748
320	5e+12	NDD Unbiased	597.57	597.07	-0.4998
321	5e+12	NDD Unbiased	597.19	596.07	-1.1247
322	1e+13	NDD Unbiased	597.19	596.07	-1.1247
323	1e+13	NDD Unbiased	597.07	594.94	-2.1244
324	1e+13	NDD Unbiased	597.69	595.44	-2.2493
325	1e+13	NDD Unbiased	589.57	587.45	-2.1244
326	0	Correlation	600.19	600.19	0
327	0	Correlation	599.19	599.19	0
328	0	Correlation	602.44	602.44	0

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	599.19	600.61	602.44	1.6641	599.19	600.61	602.44	1.6641	0	0	0	0
1e+12	592.82	595.97	598.57	2.6001	592.82	595.72	598.07	2.5678	-0.6248	-0.24992	0.125	0.3679
5e+12	596.44	597.35	598.19	0.73133	595.57	596.6	597.69	0.95919	-1.1247	-0.7498	-0.4998	0.30612
1e+13	589.57	595.38	597.69	3.8833	587.45	593.47	596.07	4.0459	-2.2493	-1.9057	-1.1247	0.52399

Device Test: 13.49; VTH_MODE_FALL

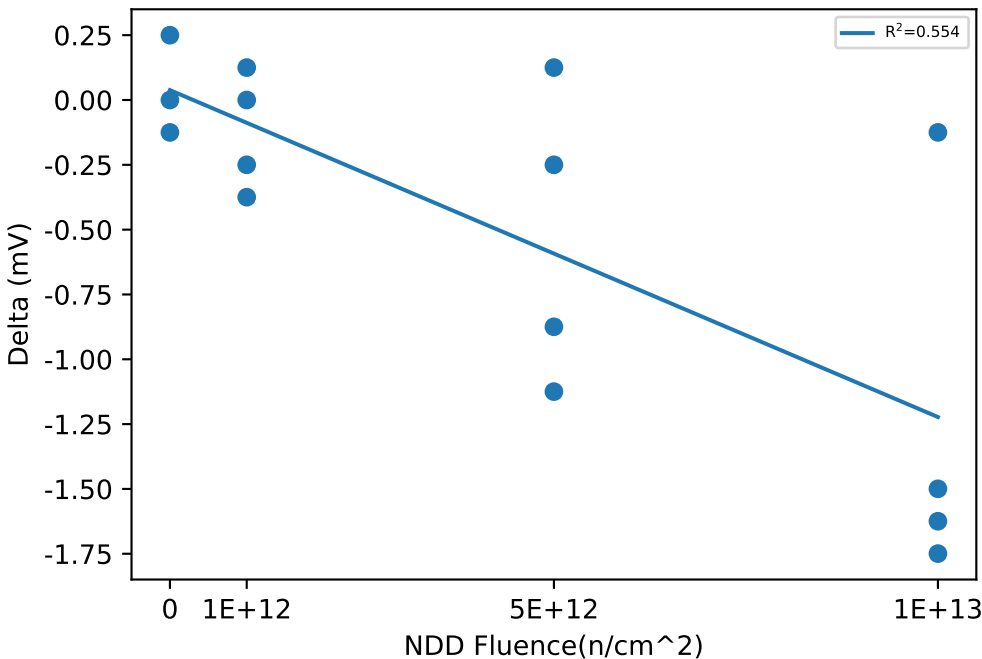
NDD vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 520.0 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	499.6	499.22	-0.3748
315	1e+12	NDD Unbiased	495.47	495.22	-0.25
316	1e+12	NDD Unbiased	498.35	498.47	0.125
317	1e+12	NDD Unbiased	493.85	493.85	0
318	5e+12	NDD Unbiased	498.72	498.85	0.125
319	5e+12	NDD Unbiased	497.1	496.22	-0.8747
320	5e+12	NDD Unbiased	498.6	498.35	-0.25
321	5e+12	NDD Unbiased	497.85	496.72	-1.1247
322	1e+13	NDD Unbiased	497.35	497.22	-0.1249
323	1e+13	NDD Unbiased	497.6	495.85	-1.7494
324	1e+13	NDD Unbiased	497.97	496.35	-1.6246
325	1e+13	NDD Unbiased	490.6	489.1	-1.4995
326	0	Correlation	500.6	500.85	0.2499
327	0	Correlation	499.47	499.47	0
328	0	Correlation	503.35	503.22	-0.125

NDD vs Post - Pre Exposure Delta

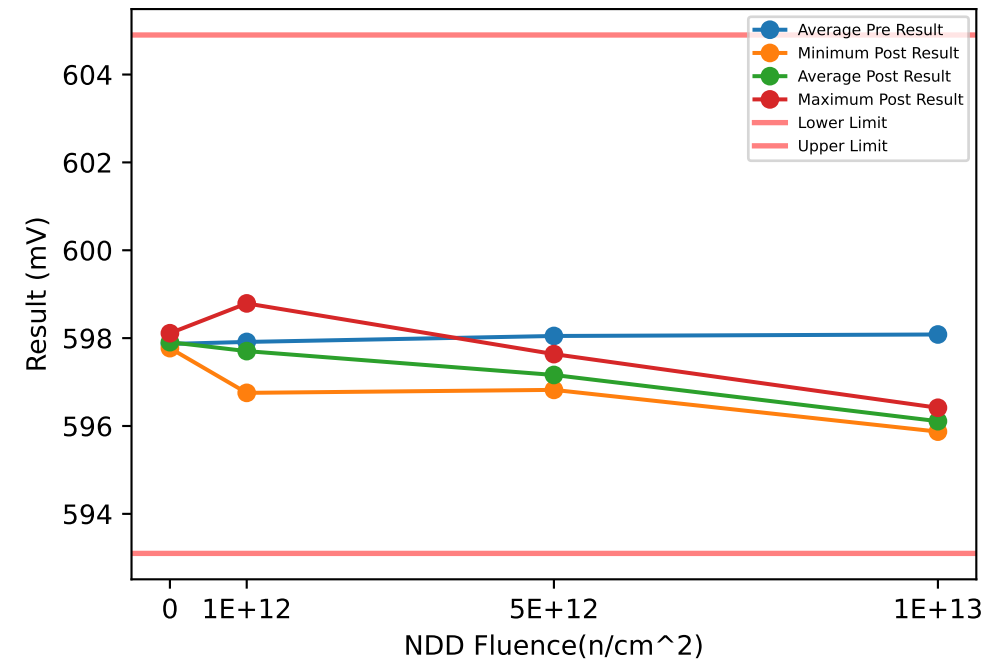


Test Statistics (mV)

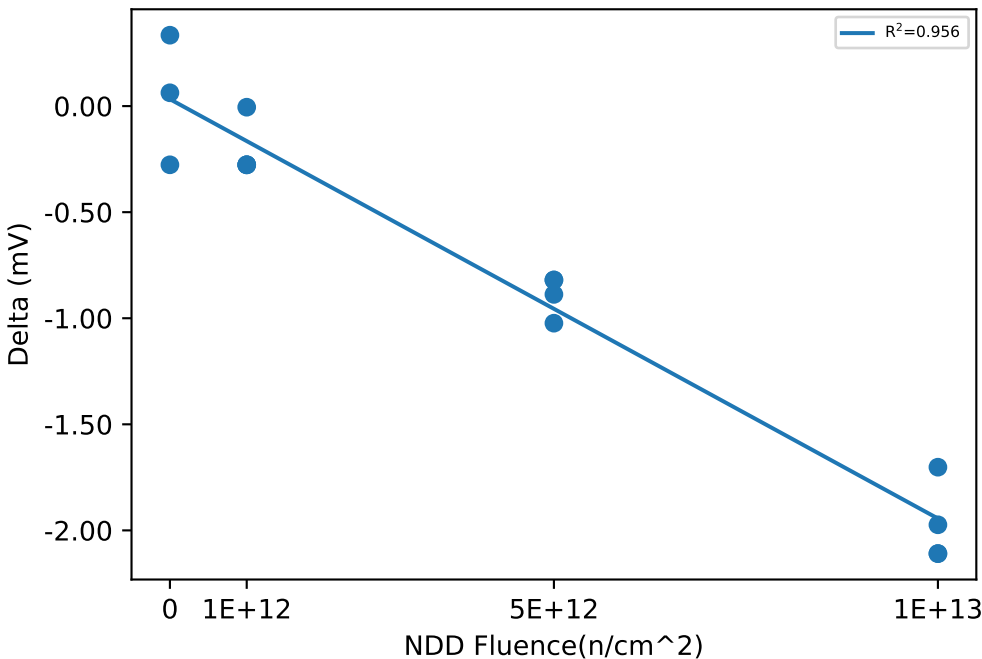
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	499.47	501.14	503.35	1.9929	499.47	501.18	503.22	1.8965	-0.125	0.041633	0.2499	0.19089
1e+12	493.85	496.82	499.6	2.626	493.85	496.69	499.22	2.5699	-0.3748	-0.12495	0.125	0.22814
5e+12	497.1	498.07	498.72	0.75238	496.22	497.53	498.85	1.26	-1.1247	-0.5311	0.125	0.57152
1e+13	490.6	495.88	497.97	3.5292	489.1	494.63	497.22	3.7299	-1.7494	-1.2496	-0.1249	0.75671

Device Test: 13.5; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

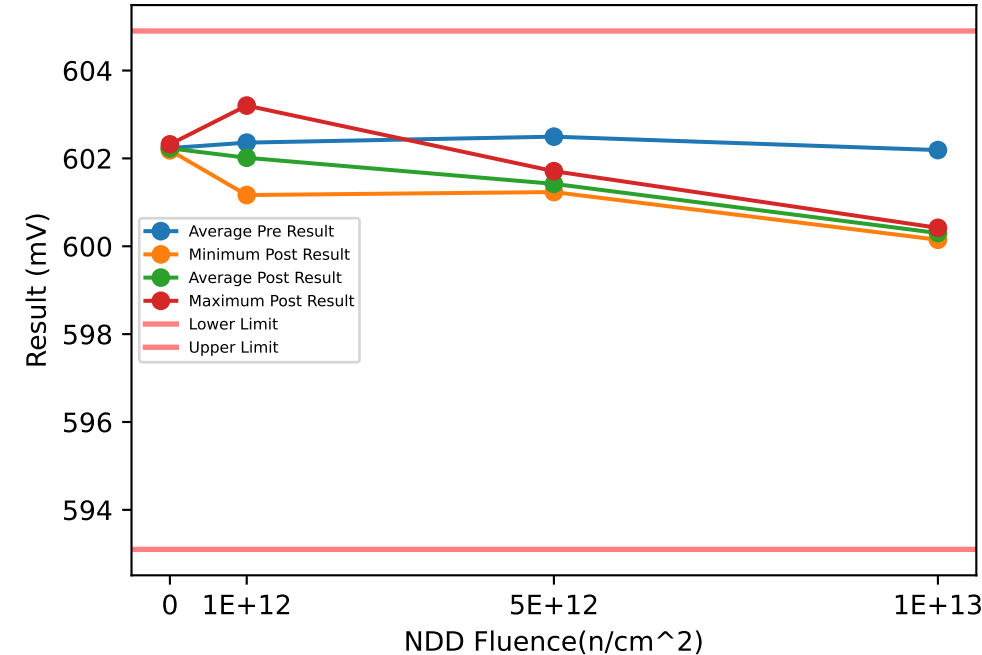
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	597.03	596.75	-0.2767
315	1e+12	NDD Unbiased	599.07	598.79	-0.2768
316	1e+12	NDD Unbiased	598.25	597.98	-0.2768
317	1e+12	NDD Unbiased	597.3	597.3	-0.0052
318	5e+12	NDD Unbiased	597.85	596.82	-1.0233
319	5e+12	NDD Unbiased	598.12	597.23	-0.8876
320	5e+12	NDD Unbiased	597.78	596.96	-0.8197
321	5e+12	NDD Unbiased	598.46	597.64	-0.8197
322	1e+13	NDD Unbiased	598.52	596.41	-2.1094
323	1e+13	NDD Unbiased	597.85	596.14	-1.7021
324	1e+13	NDD Unbiased	598.12	596.01	-2.1093
325	1e+13	NDD Unbiased	597.85	595.87	-1.9736
326	0	Correlation	597.78	598.11	0.3342
327	0	Correlation	597.78	597.84	0.0627
328	0	Correlation	598.05	597.77	-0.2767

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	597.78	597.87	598.05	0.15675	597.77	597.91	598.11	0.17959	-0.2767	0.040067	0.3342	0.30608
1e+12	597.03	597.91	599.07	0.93068	596.75	597.7	598.79	0.87973	-0.2768	-0.20888	-0.0052	0.13578
5e+12	597.78	598.05	598.46	0.30858	596.82	597.16	597.64	0.35917	-1.0233	-0.88758	-0.8197	0.095978
1e+13	597.85	598.08	598.52	0.32079	595.87	596.11	596.41	0.23183	-2.1094	-1.9736	-1.7021	0.19198

Device Test: 13.6; VTH_SENSE

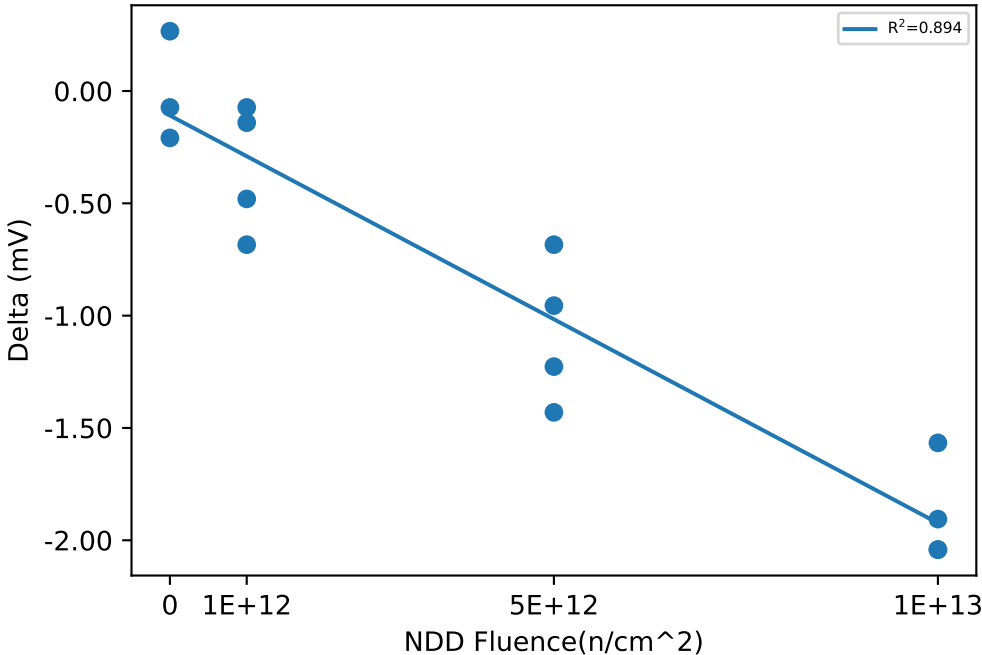
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.65	601.17	-0.4803
315	1e+12	NDD Unbiased	603.34	603.2	-0.1409
316	1e+12	NDD Unbiased	602.73	602.05	-0.684
317	1e+12	NDD Unbiased	601.71	601.64	-0.0731
318	5e+12	NDD Unbiased	601.92	601.23	-0.684
319	5e+12	NDD Unbiased	602.66	601.71	-0.9554
320	5e+12	NDD Unbiased	602.6	601.37	-1.2269
321	5e+12	NDD Unbiased	602.8	601.37	-1.4306
322	1e+13	NDD Unbiased	601.99	600.42	-1.5664
323	1e+13	NDD Unbiased	602.19	600.15	-2.0415
324	1e+13	NDD Unbiased	602.12	600.22	-1.9057
325	1e+13	NDD Unbiased	602.46	600.42	-2.0415
326	0	Correlation	602.39	602.18	-0.2088
327	0	Correlation	602.26	602.18	-0.0731
328	0	Correlation	602.05	602.32	0.2663

NDD vs Post - Pre Exposure Delta

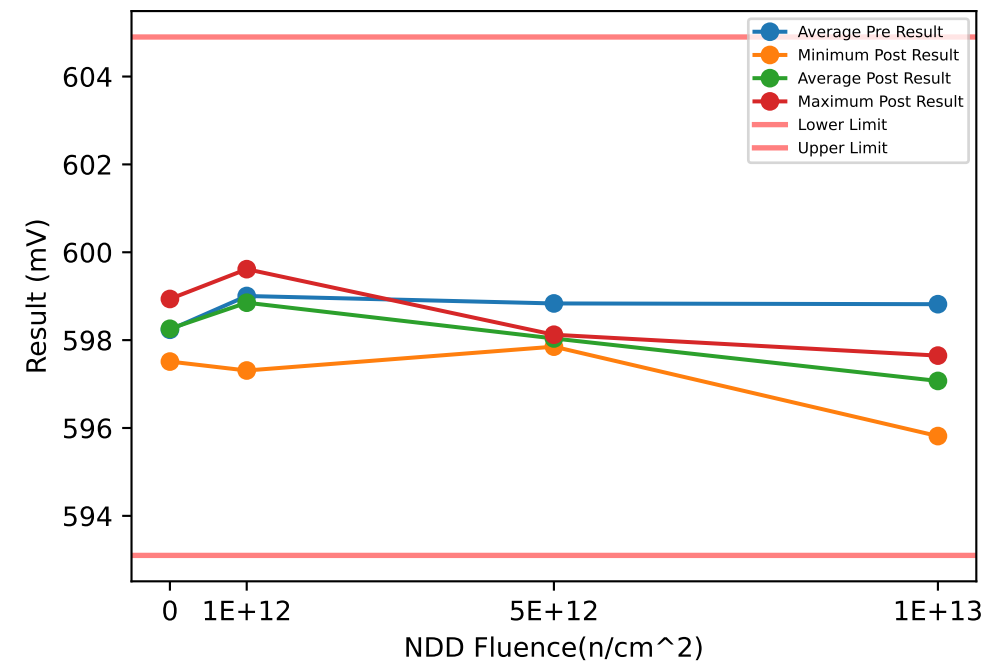


Test Statistics (mV)

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	602.05	602.23	602.39	0.17083	602.18	602.23	602.32	0.078346	-0.2088	-0.0052	0.2663	0.24472
1e+12	601.65	602.36	603.34	0.8229	601.17	602.01	603.2	0.87009	-0.684	-0.34457	-0.0731	0.28799
5e+12	601.92	602.49	602.8	0.39383	601.23	601.42	601.71	0.20271	-1.4306	-1.0742	-0.684	0.32491
1e+13	601.99	602.19	602.46	0.19981	600.15	600.3	600.42	0.13992	-2.0415	-1.8888	-1.5664	0.22425

Device Test: 13.7; VTH_SENSE

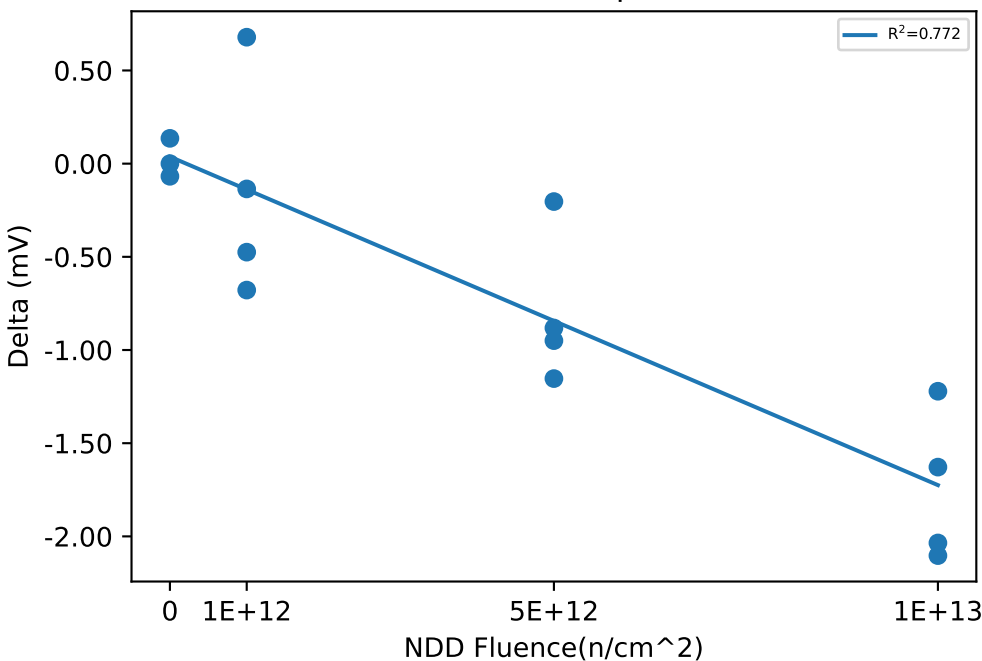
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.53	599.21	0.6785
315	1e+12	NDD Unbiased	600.09	599.62	-0.4749
316	1e+12	NDD Unbiased	599.41	599.28	-0.1356
317	1e+12	NDD Unbiased	597.99	597.31	-0.6784
318	5e+12	NDD Unbiased	598.33	598.12	-0.2034
319	5e+12	NDD Unbiased	598.73	597.85	-0.8819
320	5e+12	NDD Unbiased	599.21	598.05	-1.1533
321	5e+12	NDD Unbiased	599.07	598.12	-0.9497
322	1e+13	NDD Unbiased	599.28	597.65	-1.6283
323	1e+13	NDD Unbiased	598.73	597.51	-1.2212
324	1e+13	NDD Unbiased	599.41	597.31	-2.1031
325	1e+13	NDD Unbiased	597.85	595.82	-2.0353
326	0	Correlation	598.8	598.94	0.1358
327	0	Correlation	598.33	598.33	0.0001
328	0	Correlation	597.58	597.51	-0.0679

NDD vs Post - Pre Exposure Delta

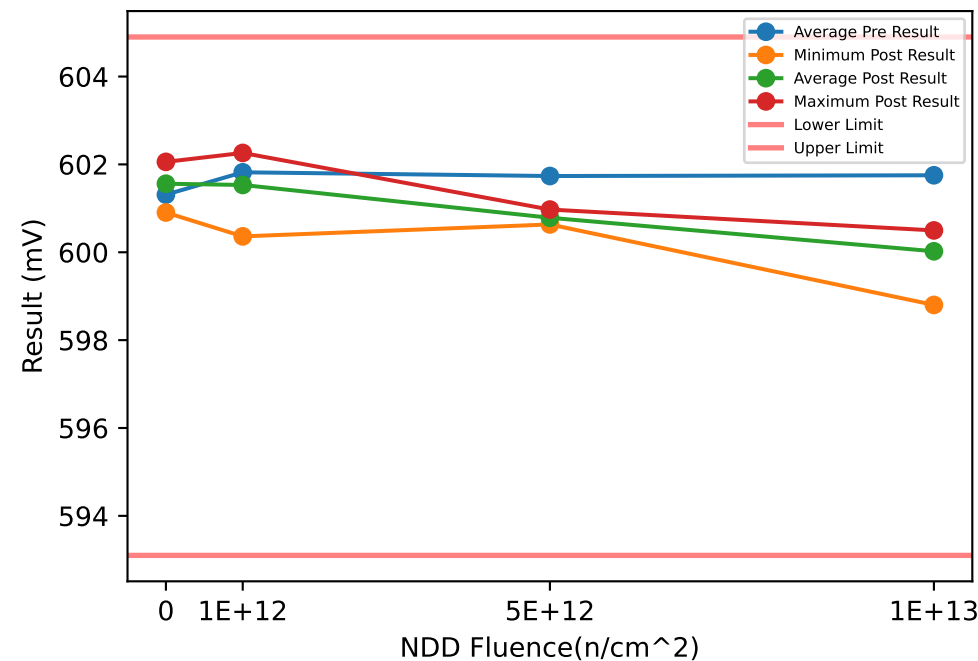


Test Statistics (mV)

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	597.58	598.24	598.8	0.61555	597.51	598.26	598.94	0.71482	-0.0679	0.022667	0.1358	0.10371
1e+12	597.99	599	600.09	0.93188	597.31	598.85	599.62	1.0443	-0.6784	-0.1526	0.6785	0.59759
5e+12	598.33	598.84	599.21	0.39366	597.85	598.04	598.12	0.12844	-1.1533	-0.79708	-0.2034	0.41224
1e+13	597.85	598.82	599.41	0.70805	595.82	597.07	597.65	0.84828	-2.1031	-1.747	-1.2212	0.40844

Device Test: 13.8; VTH_SENSE

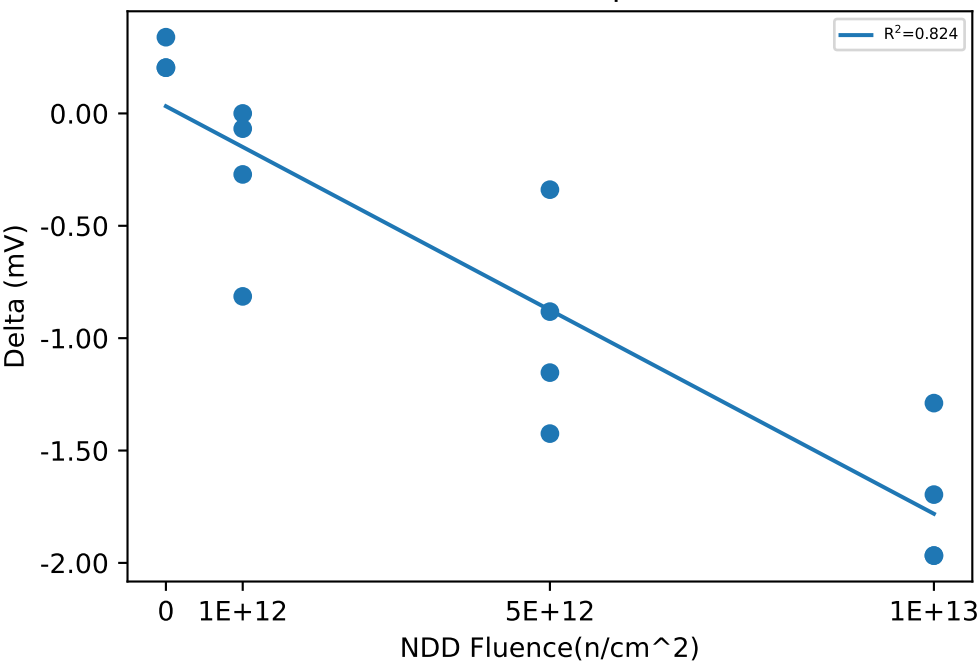
NDD vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	601.38	601.38	0
315	1e+12	NDD Unbiased	602.94	602.13	-0.8141
316	1e+12	NDD Unbiased	602.33	602.26	-0.0678
317	1e+12	NDD Unbiased	600.63	600.36	-0.2714
318	5e+12	NDD Unbiased	600.97	600.63	-0.3392
319	5e+12	NDD Unbiased	602.06	600.63	-1.4247
320	5e+12	NDD Unbiased	602.13	600.97	-1.1533
321	5e+12	NDD Unbiased	601.79	600.9	-0.8819
322	1e+13	NDD Unbiased	601.72	600.43	-1.289
323	1e+13	NDD Unbiased	602.06	600.36	-1.6961
324	1e+13	NDD Unbiased	602.46	600.5	-1.9675
325	1e+13	NDD Unbiased	600.77	598.8	-1.9674
326	0	Correlation	601.85	602.06	0.2037
327	0	Correlation	601.38	601.72	0.3392
328	0	Correlation	600.7	600.9	0.2036

NDD vs Post - Pre Exposure Delta

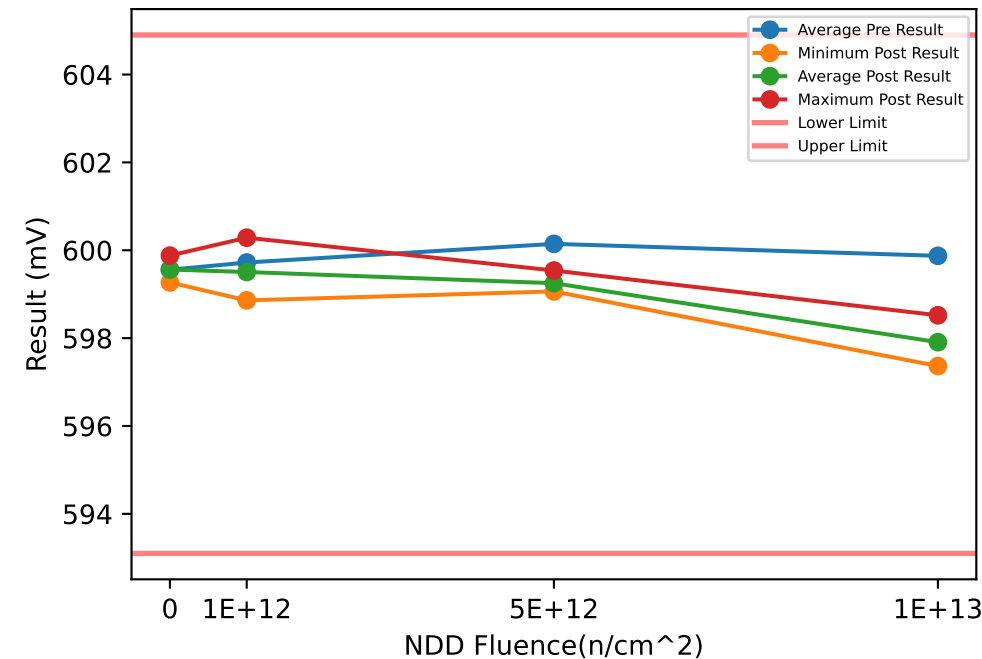


Test Statistics (mV)

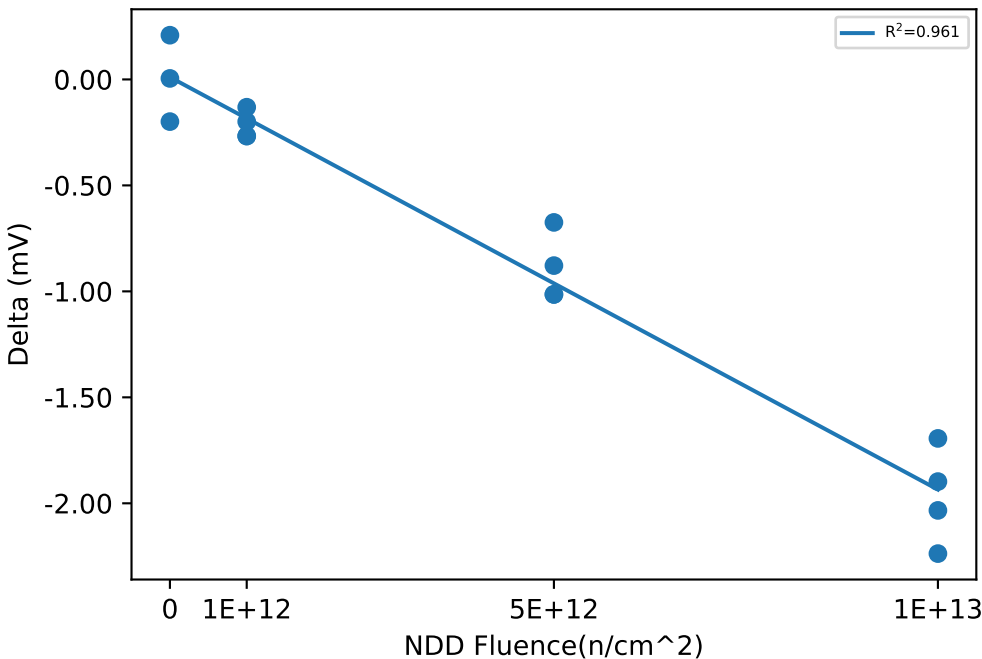
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.7	601.31	601.85	0.57964	600.9	601.56	602.06	0.59276	0.2036	0.24883	0.3392	0.07826
1e+12	600.63	601.82	602.94	1.0192	600.36	601.53	602.26	0.87128	-0.8141	-0.28833	0	0.369
5e+12	600.97	601.74	602.13	0.5295	600.63	600.79	600.97	0.17843	-1.4247	-0.94977	-0.3392	0.46346
1e+13	600.77	601.75	602.46	0.72336	598.8	600.02	600.5	0.81602	-1.9675	-1.73	-1.289	0.32062

Device Test: 13.9; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

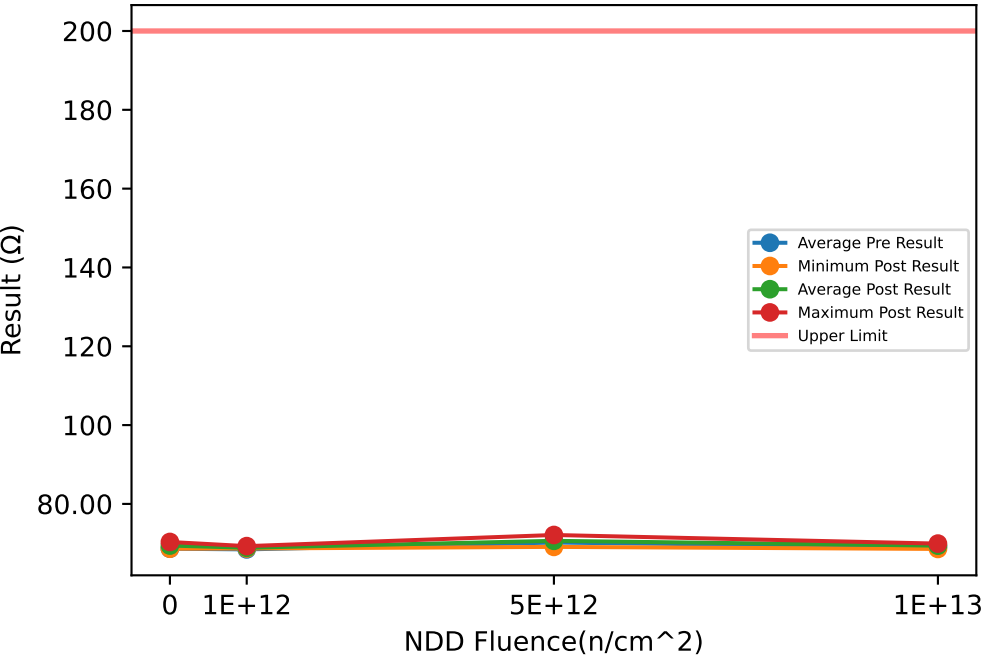
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	598.99	598.86	-0.1311
315	1e+12	NDD Unbiased	600.55	600.29	-0.267
316	1e+12	NDD Unbiased	600.08	599.81	-0.2669
317	1e+12	NDD Unbiased	599.26	599.06	-0.199
318	5e+12	NDD Unbiased	599.81	599.13	-0.6746
319	5e+12	NDD Unbiased	600.08	599.06	-1.0143
320	5e+12	NDD Unbiased	600.15	599.27	-0.8784
321	5e+12	NDD Unbiased	600.55	599.54	-1.0143
322	1e+13	NDD Unbiased	600.21	598.52	-1.6938
323	1e+13	NDD Unbiased	599.53	597.64	-1.8975
324	1e+13	NDD Unbiased	600.15	598.11	-2.0335
325	1e+13	NDD Unbiased	599.6	597.36	-2.2373
326	0	Correlation	599.74	599.54	-0.199
327	0	Correlation	599.67	599.88	0.2087
328	0	Correlation	599.26	599.27	0.0048

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	599.26	599.56	599.74	0.25721	599.27	599.56	599.88	0.30638	-0.199	0.0048333	0.2087	0.20385
1e+12	598.99	599.72	600.55	0.72198	598.86	599.5	600.29	0.66222	-0.267	-0.216	-0.1311	0.065035
5e+12	599.81	600.15	600.55	0.30888	599.06	599.25	599.54	0.21034	-1.0143	-0.8954	-0.6746	0.16054
1e+13	599.53	599.87	600.21	0.35523	597.36	597.91	598.52	0.51143	-2.2373	-1.9655	-1.6938	0.22872

Device Test: 18.11; PWRGD_RNMOS_OD

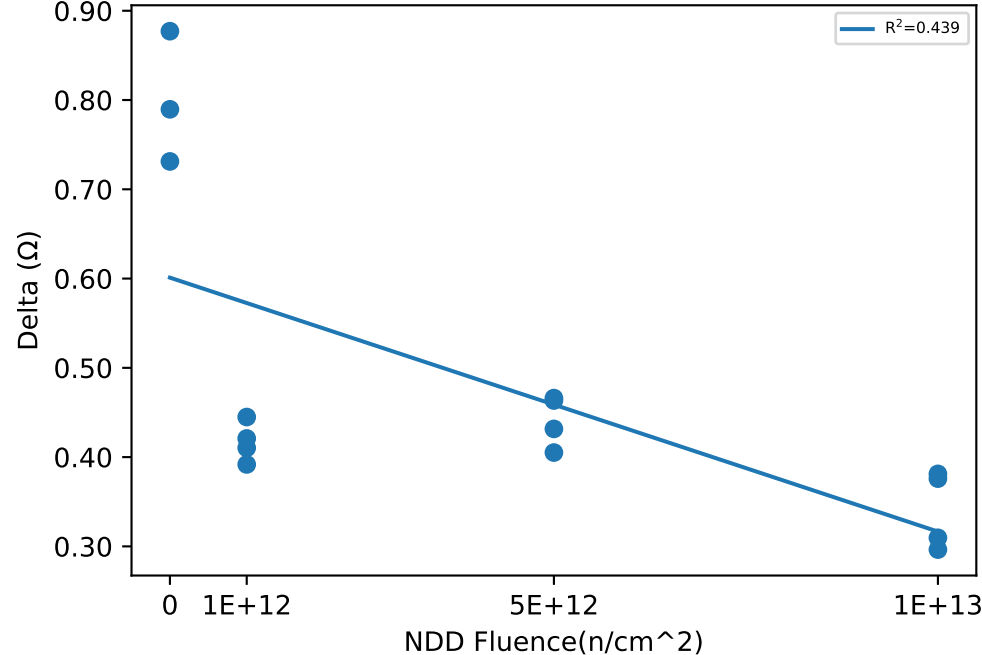
NDD vs Result Stats



Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	68.867	69.288	0.4209
315	1e+12	NDD Unbiased	68.26	68.705	0.4449
316	1e+12	NDD Unbiased	68.297	68.689	0.3918
317	1e+12	NDD Unbiased	68.411	68.821	0.4104
318	5e+12	NDD Unbiased	70.85	71.255	0.4051
319	5e+12	NDD Unbiased	68.628	69.094	0.4661
320	5e+12	NDD Unbiased	71.683	72.115	0.4316
321	5e+12	NDD Unbiased	69.615	70.078	0.4634
322	1e+13	NDD Unbiased	69.549	69.93	0.3812
323	1e+13	NDD Unbiased	68.278	68.575	0.2964
324	1e+13	NDD Unbiased	69.23	69.606	0.3759
325	1e+13	NDD Unbiased	69.204	69.513	0.3096
326	0	Correlation	69.612	70.343	0.7312
327	0	Correlation	68.536	69.325	0.7896
328	0	Correlation	67.759	68.636	0.8771

NDD vs Post - Pre Exposure Delta

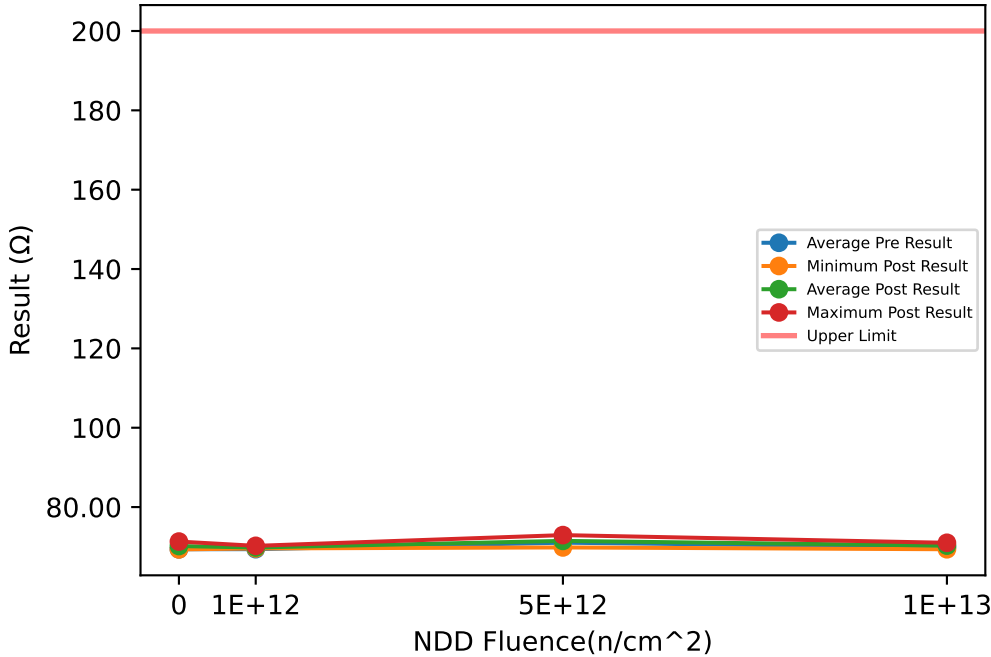


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	67.759	68.635	69.612	0.93078	68.636	69.435	70.343	0.85906	0.7312	0.7993	0.8771	0.073432
1e+12	68.26	68.459	68.867	0.27975	68.689	68.876	69.288	0.28114	0.3918	0.417	0.4449	0.022153
5e+12	68.628	70.194	71.683	1.3459	69.094	70.636	72.115	1.3238	0.4051	0.44155	0.4661	0.028912
1e+13	68.278	69.065	69.549	0.54745	68.575	69.406	69.93	0.58217	0.2964	0.34077	0.3812	0.044004

Device Test: 18.12; WDO_RNMOS_OD

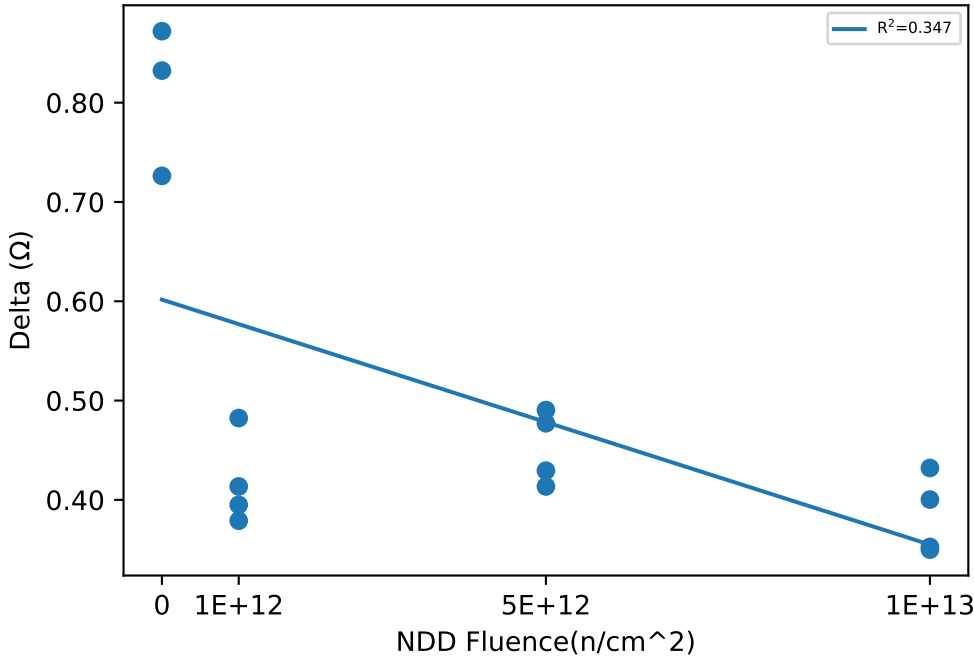
NDD vs Result Stats



Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	69.849	70.228	0.379
315	1e+12	NDD Unbiased	69.178	69.661	0.4824
316	1e+12	NDD Unbiased	69.178	69.573	0.395
317	1e+12	NDD Unbiased	69.35	69.764	0.4135
318	5e+12	NDD Unbiased	71.648	72.139	0.4904
319	5e+12	NDD Unbiased	69.35	69.828	0.4771
320	5e+12	NDD Unbiased	72.504	72.934	0.4294
321	5e+12	NDD Unbiased	70.591	71.004	0.4135
322	1e+13	NDD Unbiased	70.644	70.996	0.3526
323	1e+13	NDD Unbiased	69.017	69.367	0.3499
324	1e+13	NDD Unbiased	69.928	70.329	0.4003
325	1e+13	NDD Unbiased	70.029	70.461	0.4321
326	0	Correlation	70.58	71.307	0.7263
327	0	Correlation	69.062	69.894	0.8323
328	0	Correlation	68.46	69.332	0.872

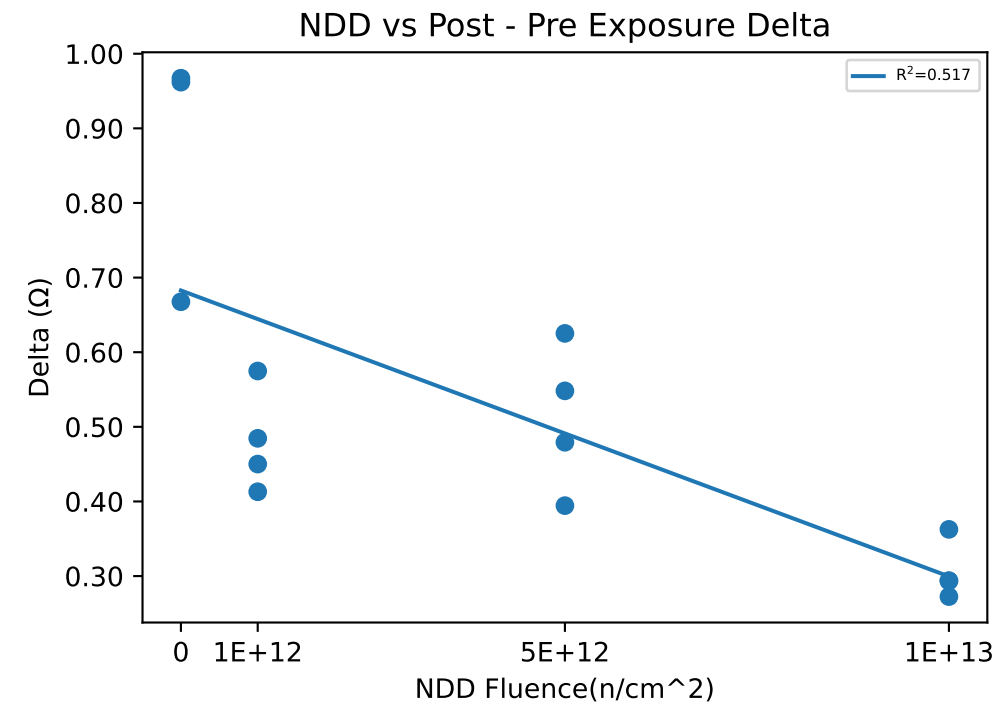
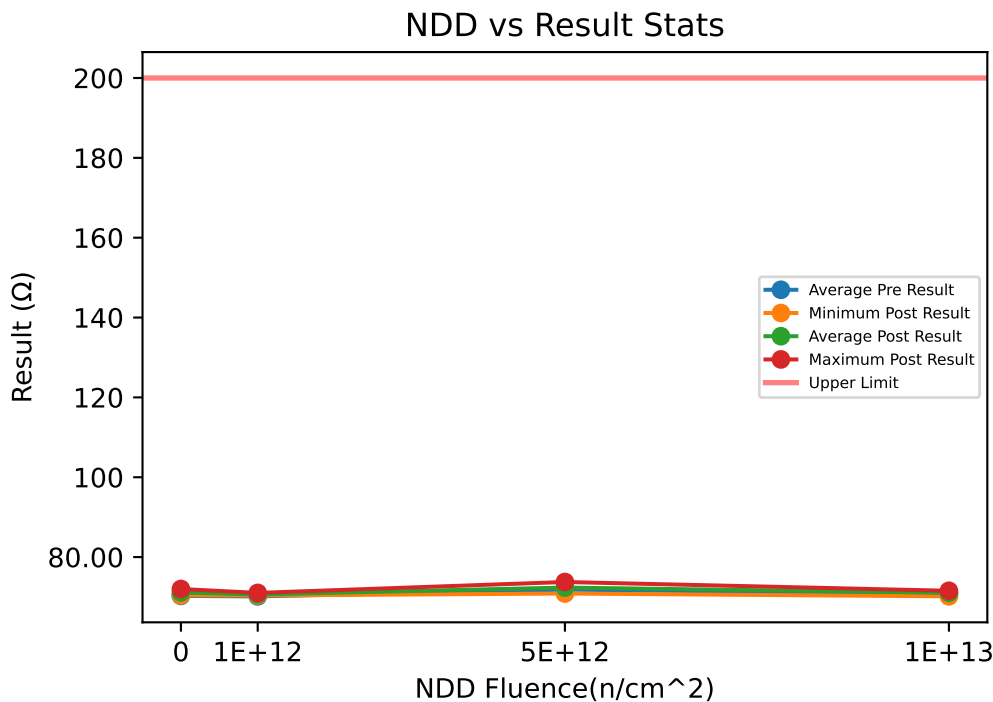
NDD vs Post - Pre Exposure Delta



Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	68.46	69.367	70.58	1.0927	69.332	70.177	71.307	1.0174	0.7263	0.8102	0.872	0.075322
1e+12	69.178	69.389	69.849	0.31716	69.573	69.806	70.228	0.29156	0.379	0.41747	0.4824	0.045521
5e+12	69.35	71.024	72.504	1.3626	69.828	71.476	72.934	1.3545	0.4135	0.4526	0.4904	0.036951
1e+13	69.017	69.904	70.644	0.6711	69.367	70.288	70.996	0.67891	0.3499	0.38373	0.4321	0.039698

Device Test: 18.17; PWRGD_RNMOS_OD



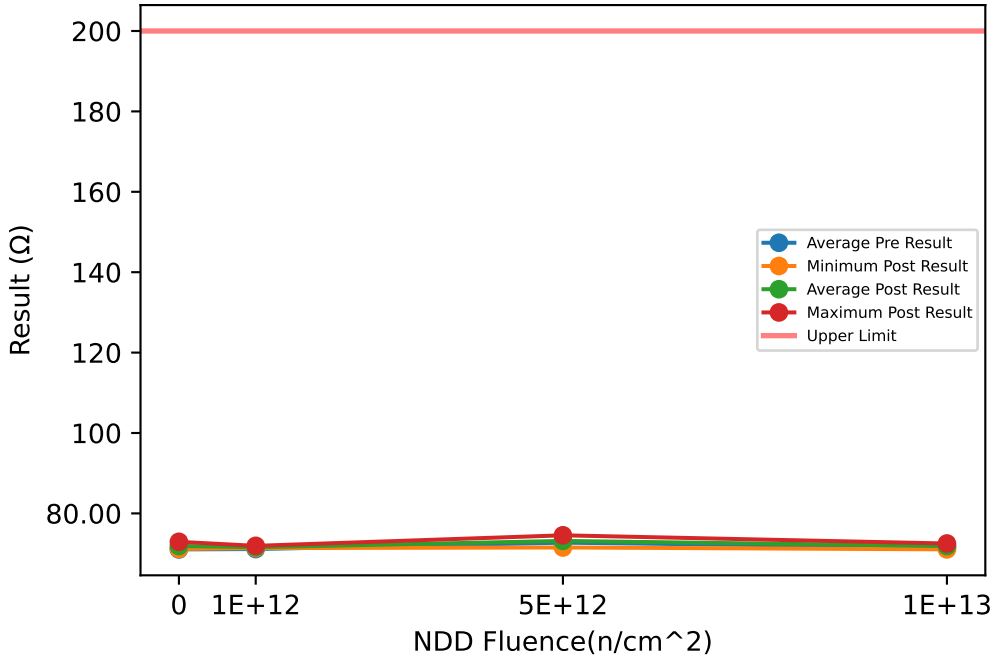
Test Results (Upper Limit = 200.0 (Ω))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	70.612	71.025	0.413
315	1e+12	NDD Unbiased	69.944	70.428	0.4846
316	1e+12	NDD Unbiased	69.933	70.383	0.4501
317	1e+12	NDD Unbiased	70.119	70.693	0.5748
318	5e+12	NDD Unbiased	72.455	73.003	0.5482
319	5e+12	NDD Unbiased	70.243	70.868	0.6252
320	5e+12	NDD Unbiased	73.279	73.759	0.4793
321	5e+12	NDD Unbiased	71.434	71.828	0.3944
322	1e+13	NDD Unbiased	71.285	71.558	0.2725
323	1e+13	NDD Unbiased	69.872	70.166	0.2937
324	1e+13	NDD Unbiased	70.938	71.232	0.2937
325	1e+13	NDD Unbiased	70.898	71.261	0.3626
326	0	Correlation	71.341	72.009	0.6676
327	0	Correlation	70.036	71.004	0.9672
328	0	Correlation	69.453	70.415	0.9619

Test Statistics (Ω)

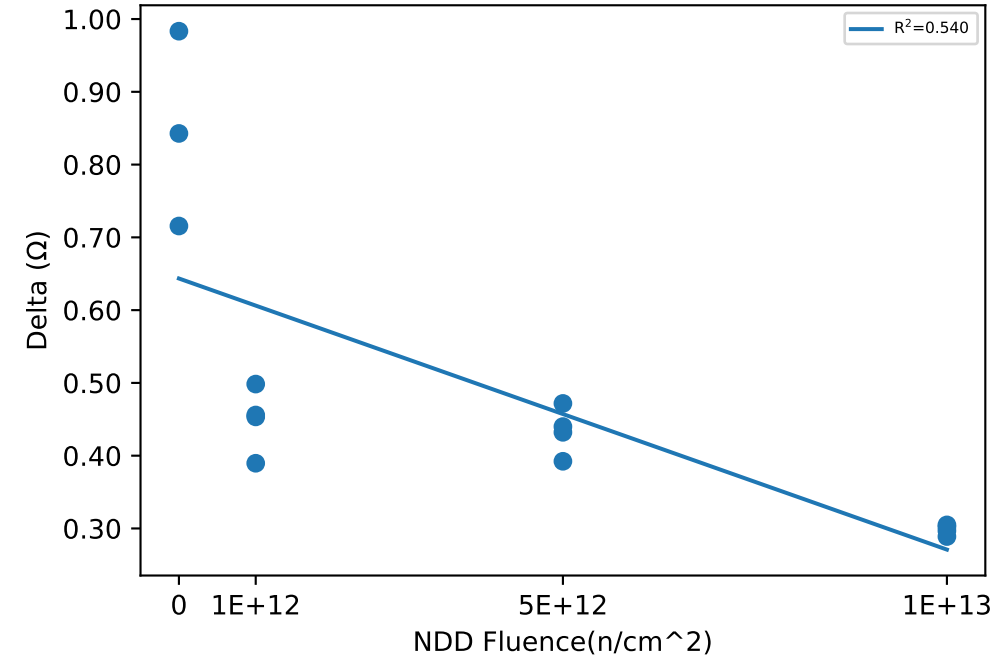
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	69.453	70.277	71.341	0.96664	70.415	71.142	72.009	0.80582	0.6676	0.86557	0.9672	0.17146
1e+12	69.933	70.152	70.612	0.31829	70.383	70.632	71.025	0.29527	0.413	0.48062	0.5748	0.069257
5e+12	70.243	71.853	73.279	1.3119	70.868	72.365	73.759	1.275	0.3944	0.51177	0.6252	0.098359
1e+13	69.872	70.748	71.285	0.60956	70.166	71.054	71.558	0.61025	0.2725	0.30562	0.3626	0.039276

Device Test: 18.18; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 200.0 (Ω))

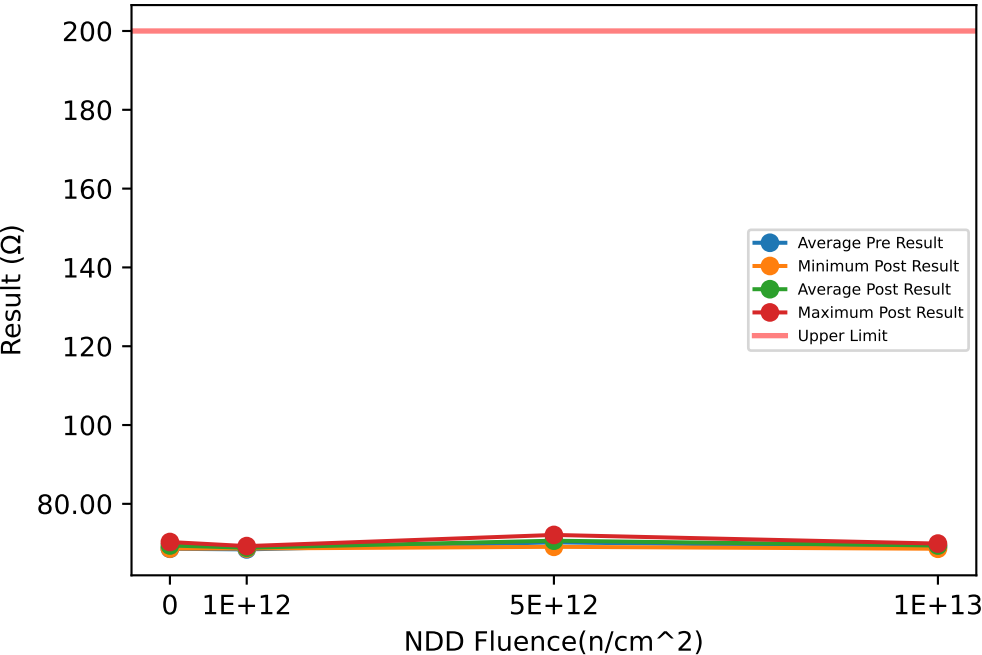
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	71.537	71.927	0.3896
315	1e+12	NDD Unbiased	70.93	71.428	0.4984
316	1e+12	NDD Unbiased	70.919	71.373	0.4533
317	1e+12	NDD Unbiased	71.145	71.601	0.4559
318	5e+12	NDD Unbiased	73.398	73.87	0.4718
319	5e+12	NDD Unbiased	71.129	71.521	0.3923
320	5e+12	NDD Unbiased	74.111	74.551	0.44
321	5e+12	NDD Unbiased	72.239	72.671	0.4321
322	1e+13	NDD Unbiased	72.221	72.51	0.2889
323	1e+13	NDD Unbiased	70.75	71.055	0.3049
324	1e+13	NDD Unbiased	71.617	71.919	0.3022
325	1e+13	NDD Unbiased	71.778	72.075	0.2969
326	0	Correlation	72.216	72.931	0.7156
327	0	Correlation	70.753	71.595	0.8428
328	0	Correlation	70.169	71.153	0.9833

Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.169	71.046	72.216	1.0541	71.153	71.893	72.931	0.92583	0.7156	0.84723	0.9833	0.13391
1e+12	70.919	71.133	71.537	0.28878	71.373	71.582	71.927	0.24933	0.3896	0.4493	0.4984	0.04485
5e+12	71.129	72.719	74.111	1.3109	71.521	73.153	74.551	1.3368	0.3923	0.43405	0.4718	0.032697
1e+13	70.75	71.591	72.221	0.61643	71.055	71.89	72.51	0.61015	0.2889	0.29822	0.3049	0.0070491

Device Test: 18.23; PWRGD_RNMOS_OD

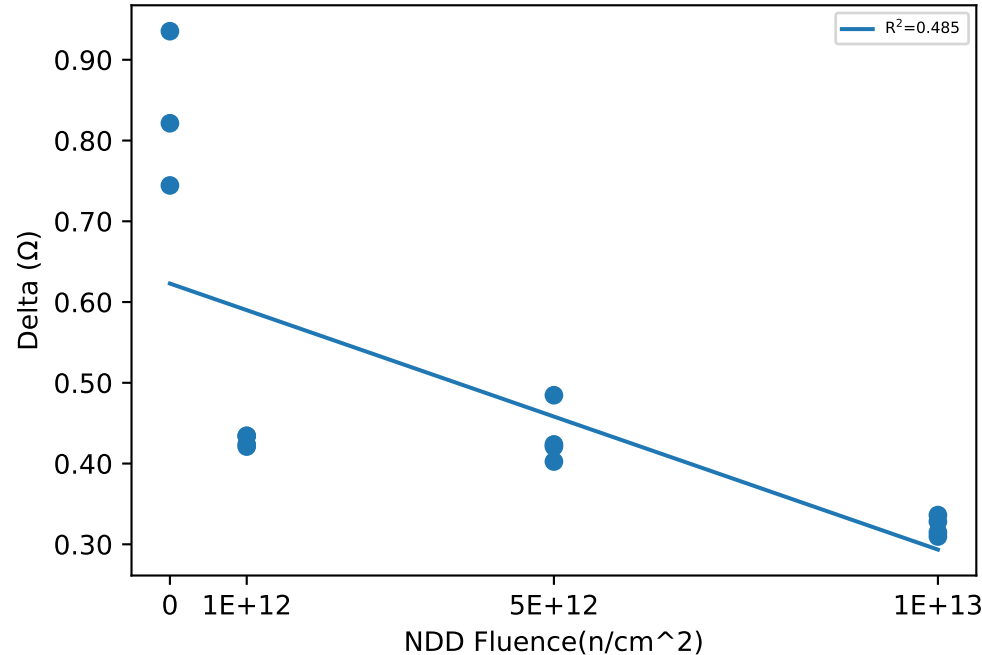
NDD vs Result Stats



Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	68.851	69.275	0.4237
315	1e+12	NDD Unbiased	68.241	68.662	0.421
316	1e+12	NDD Unbiased	68.244	68.678	0.4343
317	1e+12	NDD Unbiased	68.416	68.85	0.4342
318	5e+12	NDD Unbiased	70.827	71.311	0.4846
319	5e+12	NDD Unbiased	68.671	69.092	0.421
320	5e+12	NDD Unbiased	71.683	72.107	0.4237
321	5e+12	NDD Unbiased	69.684	70.086	0.4025
322	1e+13	NDD Unbiased	69.586	69.914	0.3282
323	1e+13	NDD Unbiased	68.265	68.601	0.3362
324	1e+13	NDD Unbiased	69.289	69.604	0.3149
325	1e+13	NDD Unbiased	69.228	69.537	0.3096
326	0	Correlation	69.567	70.311	0.7444
327	0	Correlation	68.517	69.338	0.8214
328	0	Correlation	67.706	68.641	0.9354

NDD vs Post - Pre Exposure Delta

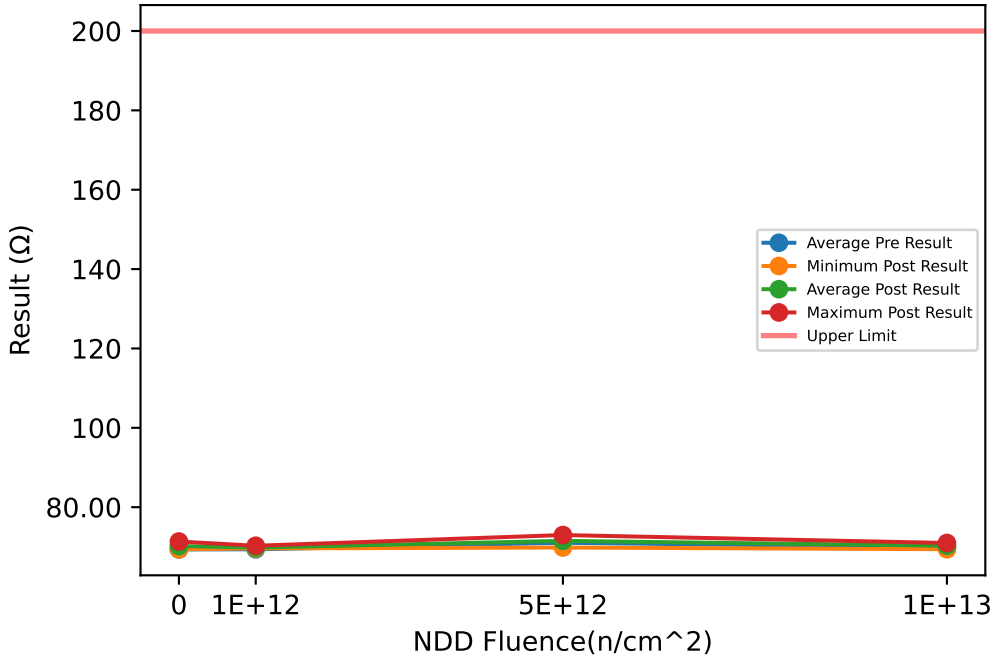


Test Statistics (Ω)

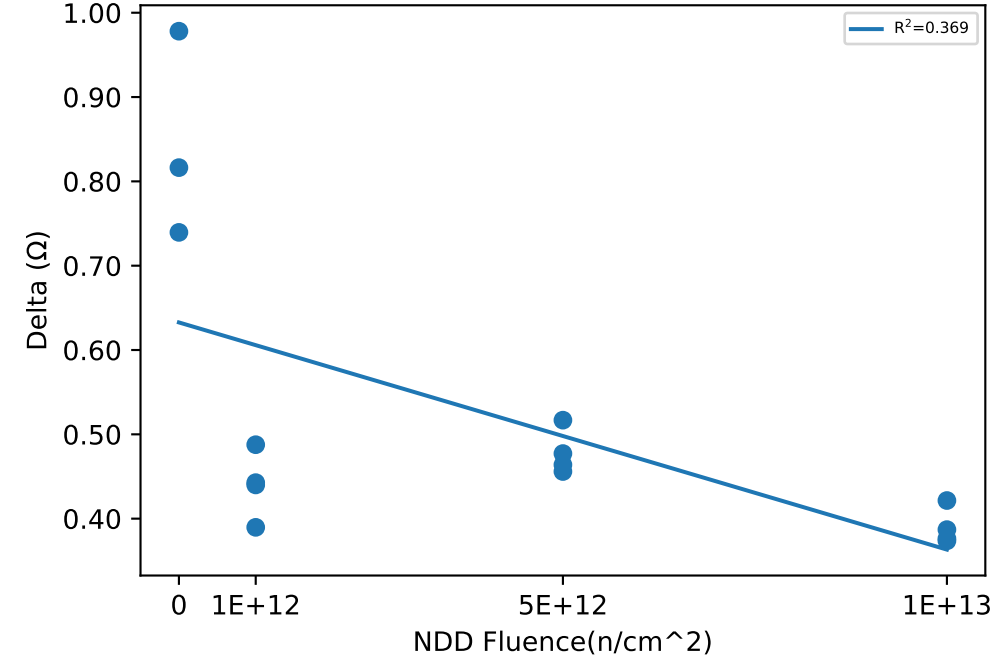
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	67.706	68.597	69.567	0.93325	68.641	69.43	70.311	0.83899	0.7444	0.83373	0.9354	0.096095
1e+12	68.241	68.438	68.851	0.28722	68.662	68.866	69.275	0.28526	0.421	0.4283	0.4343	0.0069584
5e+12	68.671	70.216	71.683	1.316	69.092	70.649	72.107	1.3298	0.4025	0.43295	0.4846	0.035699
1e+13	68.265	69.092	69.586	0.57286	68.601	69.414	69.914	0.56611	0.3096	0.32222	0.3362	0.012166

Device Test: 18.24; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



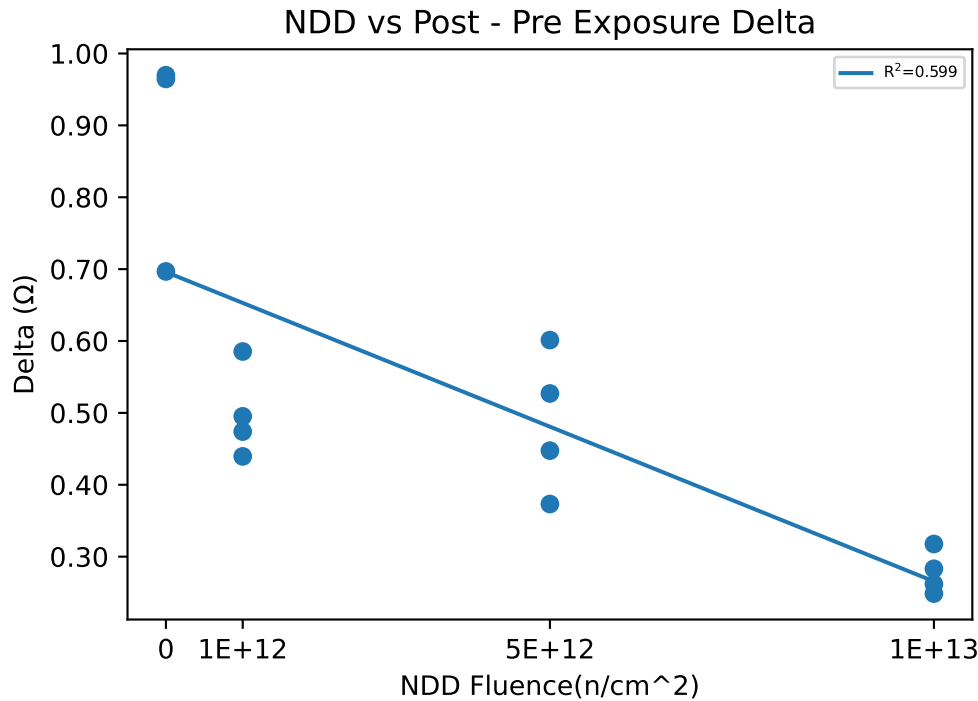
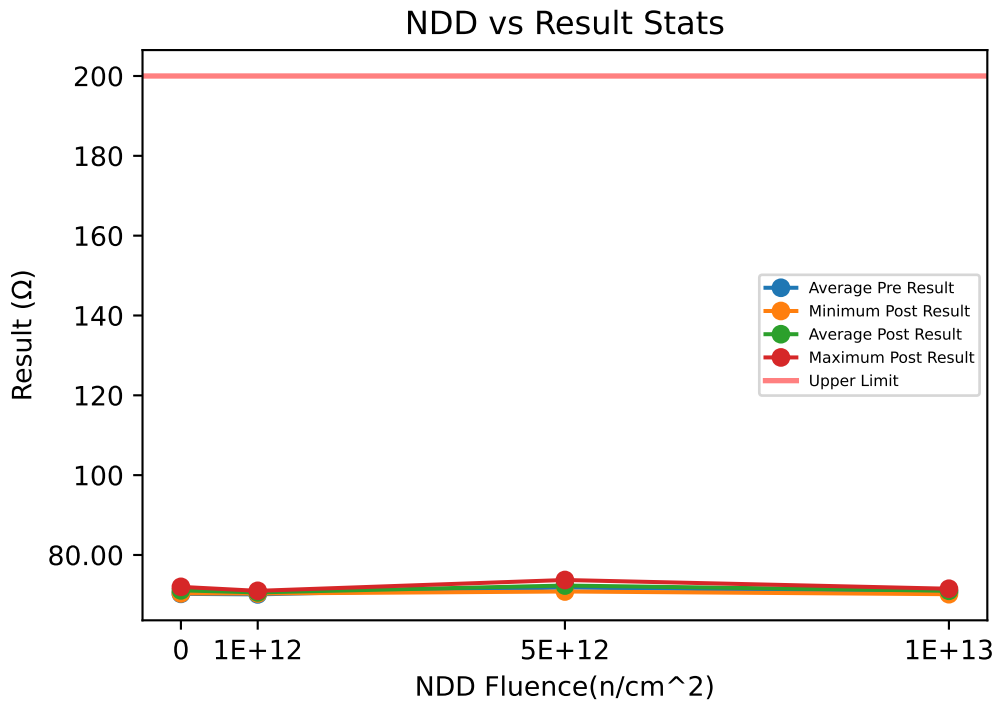
Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	69.838	70.278	0.44
315	1e+12	NDD Unbiased	69.168	69.655	0.4877
316	1e+12	NDD Unbiased	69.162	69.605	0.4427
317	1e+12	NDD Unbiased	69.361	69.751	0.3897
318	5e+12	NDD Unbiased	71.662	72.178	0.5168
319	5e+12	NDD Unbiased	69.366	69.83	0.4639
320	5e+12	NDD Unbiased	72.502	72.979	0.4772
321	5e+12	NDD Unbiased	70.596	71.052	0.4559
322	1e+13	NDD Unbiased	70.602	70.978	0.3764
323	1e+13	NDD Unbiased	69.022	69.409	0.387
324	1e+13	NDD Unbiased	69.912	70.286	0.3737
325	1e+13	NDD Unbiased	70.061	70.482	0.4215
326	0	Correlation	70.607	71.346	0.7395
327	0	Correlation	69.07	69.886	0.8163
328	0	Correlation	68.41	69.388	0.9781

Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	68.41	69.362	70.607	1.1274	69.388	70.207	71.346	1.0179	0.7395	0.84463	0.9781	0.1218
1e+12	69.162	69.382	69.838	0.3177	69.605	69.822	70.278	0.30987	0.3897	0.44003	0.4877	0.040053
5e+12	69.366	71.032	72.502	1.3566	69.83	71.51	72.979	1.3706	0.4559	0.47845	0.5168	0.027034
1e+13	69.022	69.899	70.602	0.65553	69.409	70.289	70.978	0.65486	0.3737	0.38965	0.4215	0.021996

Device Test: 18.5; PWRGD_RNMOS_OD



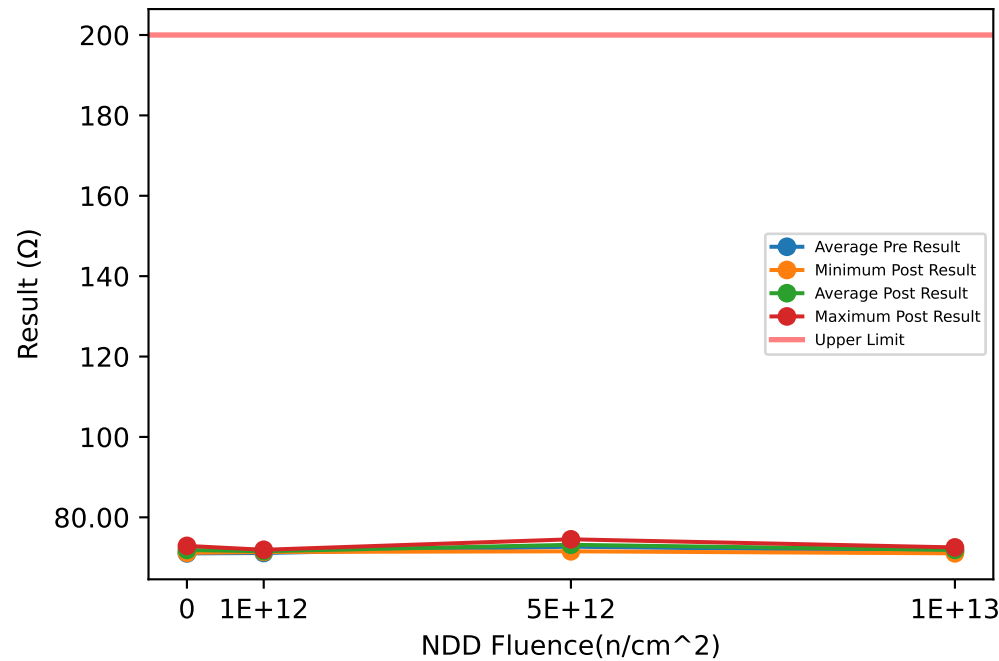
Test Results (Upper Limit = 200.0 (Ω))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	70.543	71.017	0.474
315	1e+12	NDD Unbiased	69.938	70.433	0.4952
316	1e+12	NDD Unbiased	69.901	70.341	0.4395
317	1e+12	NDD Unbiased	70.113	70.699	0.5854
318	5e+12	NDD Unbiased	72.447	72.974	0.527
319	5e+12	NDD Unbiased	70.249	70.85	0.6013
320	5e+12	NDD Unbiased	73.285	73.732	0.4475
321	5e+12	NDD Unbiased	71.45	71.823	0.3732
322	1e+13	NDD Unbiased	71.261	71.544	0.2831
323	1e+13	NDD Unbiased	69.853	70.171	0.3176
324	1e+13	NDD Unbiased	70.962	71.21	0.2486
325	1e+13	NDD Unbiased	70.935	71.197	0.2619
326	0	Correlation	71.317	72.014	0.6968
327	0	Correlation	70.055	71.025	0.9698
328	0	Correlation	69.411	70.375	0.9646

Test Statistics (Ω)

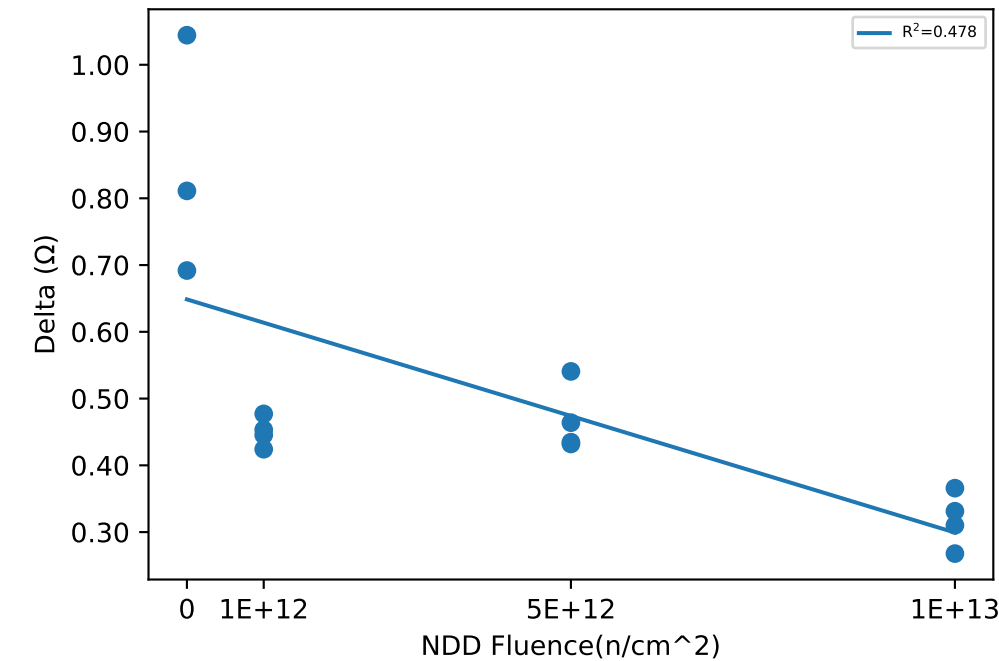
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	69.411	70.261	71.317	0.96978	70.375	71.138	72.014	0.82519	0.6968	0.87707	0.9698	0.15614
1e+12	69.901	70.124	70.543	0.29423	70.341	70.622	71.017	0.30358	0.4395	0.49853	0.5854	0.0623
5e+12	70.249	71.857	73.285	1.3088	70.85	72.345	73.732	1.2685	0.3732	0.48725	0.6013	0.098615
1e+13	69.853	70.753	71.261	0.61768	70.171	71.031	71.544	0.59528	0.2486	0.2778	0.3176	0.030098

Device Test: 18.6; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 200.0 (Ω))

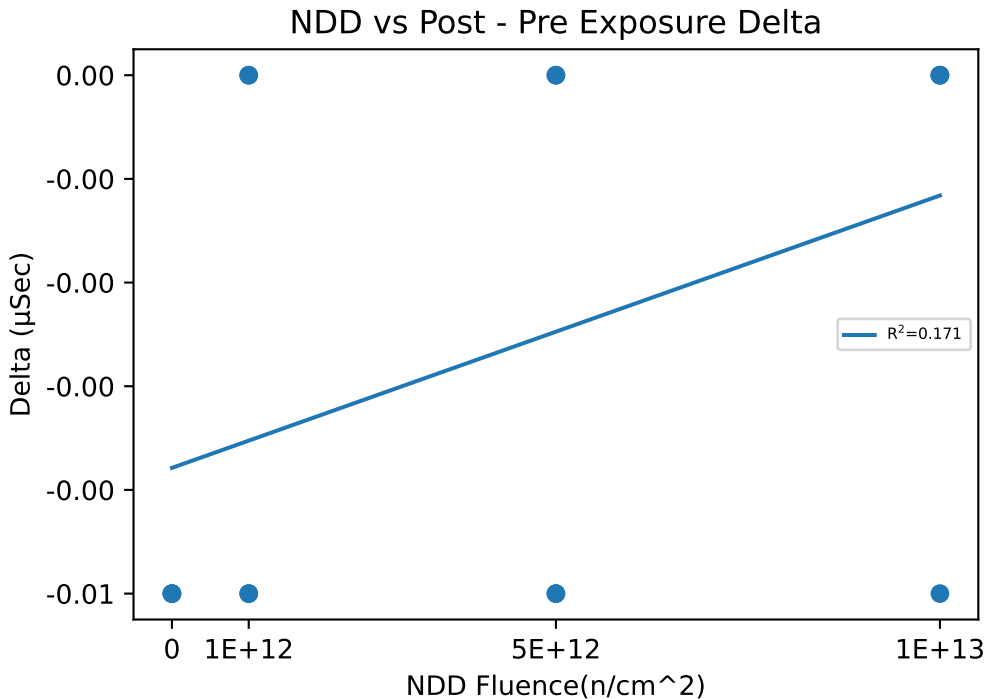
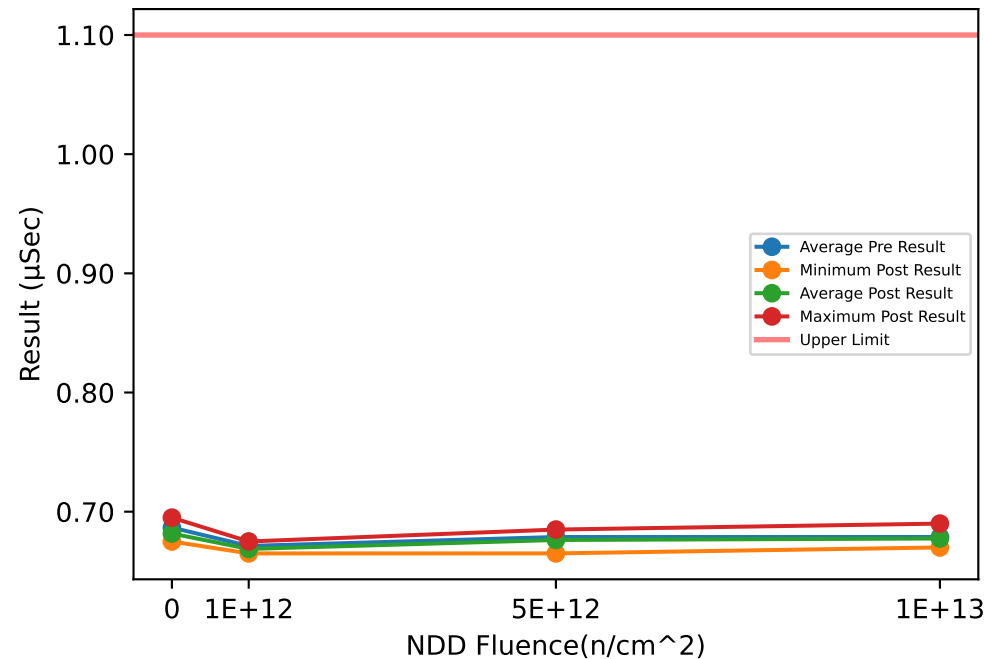
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	71.503	71.927	0.4241
315	1e+12	NDD Unbiased	70.941	71.386	0.4454
316	1e+12	NDD Unbiased	70.901	71.378	0.4771
317	1e+12	NDD Unbiased	71.139	71.593	0.4533
318	5e+12	NDD Unbiased	73.347	73.888	0.5407
319	5e+12	NDD Unbiased	71.11	71.542	0.432
320	5e+12	NDD Unbiased	74.068	74.532	0.4639
321	5e+12	NDD Unbiased	72.253	72.687	0.4347
322	1e+13	NDD Unbiased	72.184	72.515	0.3313
323	1e+13	NDD Unbiased	70.771	71.039	0.2678
324	1e+13	NDD Unbiased	71.579	71.945	0.3658
325	1e+13	NDD Unbiased	71.77	72.081	0.3102
326	0	Correlation	72.202	72.894	0.6918
327	0	Correlation	70.76	71.572	0.8111
328	0	Correlation	70.117	71.161	1.0443

Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.117	71.026	72.202	1.068	71.161	71.876	72.894	0.90573	0.6918	0.84907	1.0443	0.17929
1e+12	70.901	71.121	71.503	0.275	71.378	71.571	71.927	0.25716	0.4241	0.44997	0.4771	0.021888
5e+12	71.11	72.695	74.068	1.2933	71.542	73.162	74.532	1.3232	0.432	0.46782	0.5407	0.050685
1e+13	70.771	71.576	72.184	0.59303	71.039	71.895	72.515	0.62031	0.2678	0.31877	0.3658	0.040989

Device Test: 25.1; SR_UVLO_HT

NDD vs Result Stats



Test Results (Upper Limit = 1.1 (µSec))

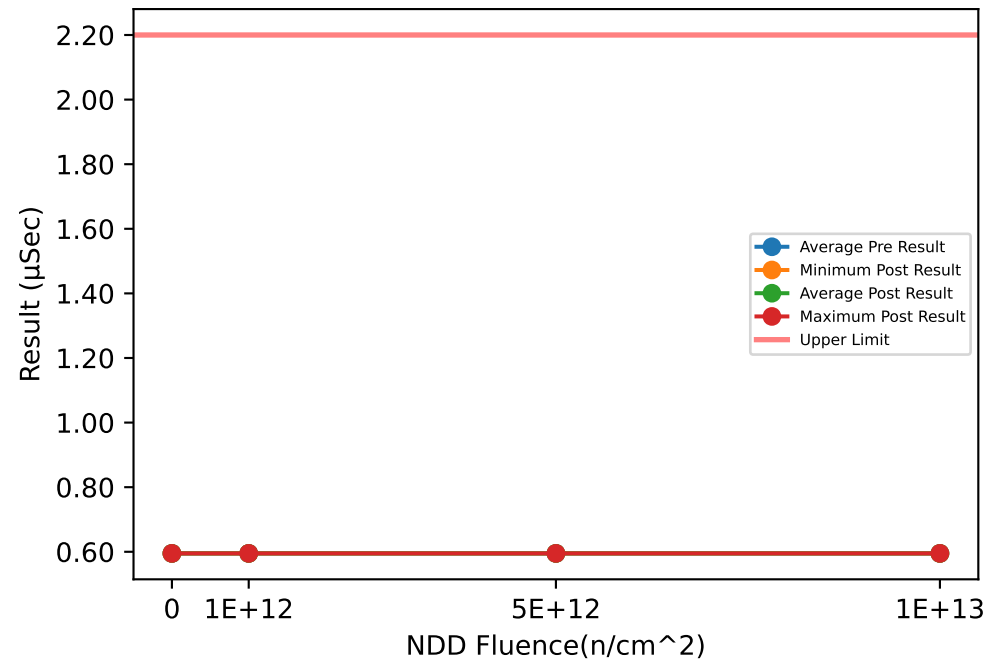
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.675	0.675	0
315	1e+12	NDD Unbiased	0.67	0.665	-0.005
316	1e+12	NDD Unbiased	0.67	0.67	0
317	1e+12	NDD Unbiased	0.67	0.665	-0.005
318	5e+12	NDD Unbiased	0.685	0.68	-0.005
319	5e+12	NDD Unbiased	0.665	0.665	0
320	5e+12	NDD Unbiased	0.675	0.675	0
321	5e+12	NDD Unbiased	0.69	0.685	-0.005
322	1e+13	NDD Unbiased	0.68	0.68	0
323	1e+13	NDD Unbiased	0.675	0.67	-0.005
324	1e+13	NDD Unbiased	0.69	0.69	0
325	1e+13	NDD Unbiased	0.67	0.67	0
326	0	Correlation	0.7	0.695	-0.005
327	0	Correlation	0.68	0.675	-0.005
328	0	Correlation	0.68	0.675	-0.005

Test Statistics (µSec)

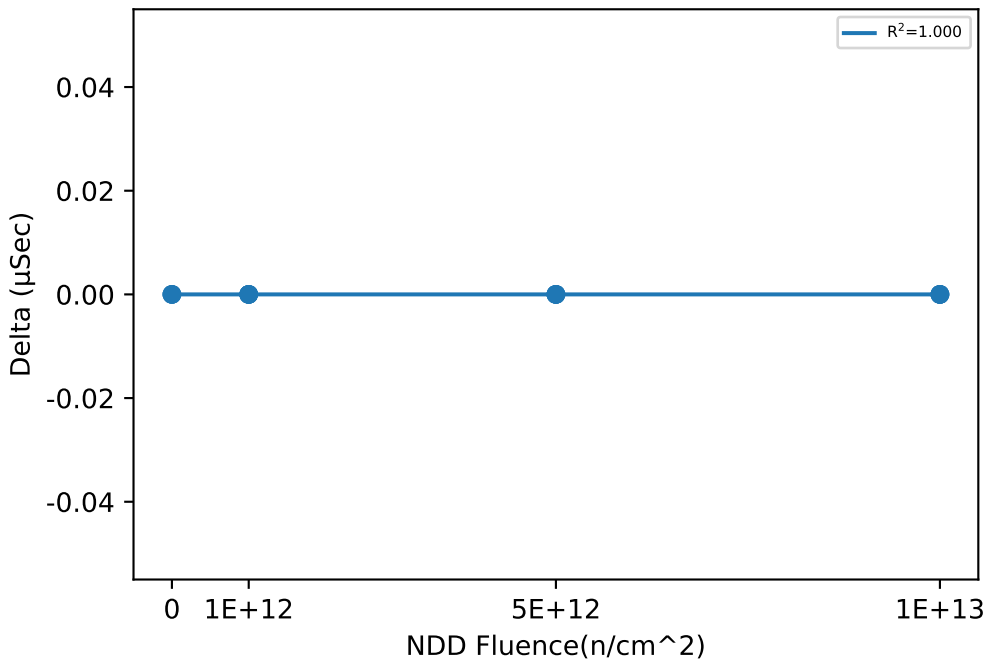
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.68	0.68667	0.7	0.011547	0.675	0.68167	0.695	0.011547	-0.005	-0.005	-0.005	0
1e+12	0.67	0.67125	0.675	0.0025	0.665	0.66875	0.675	0.0047871	-0.005	-0.0025	0	0.0028868
5e+12	0.665	0.67875	0.69	0.011087	0.665	0.67625	0.685	0.0085391	-0.005	-0.0025	0	0.0028868
1e+13	0.67	0.67875	0.69	0.0085391	0.67	0.6775	0.69	0.0095743	-0.005	-0.00125	0	0.0025

Device Test: 25.10; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



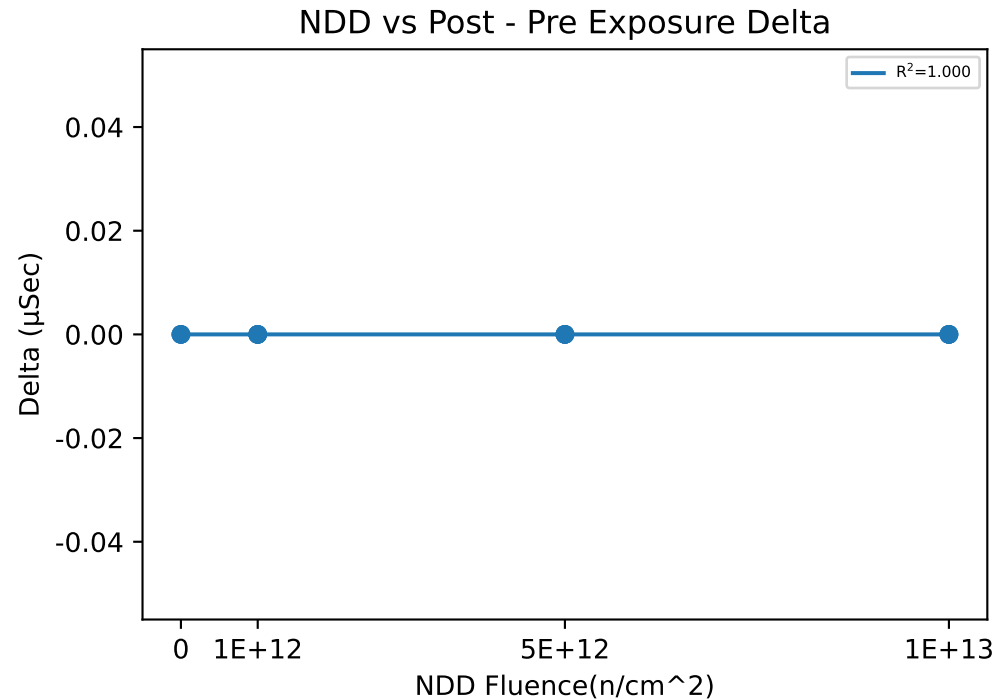
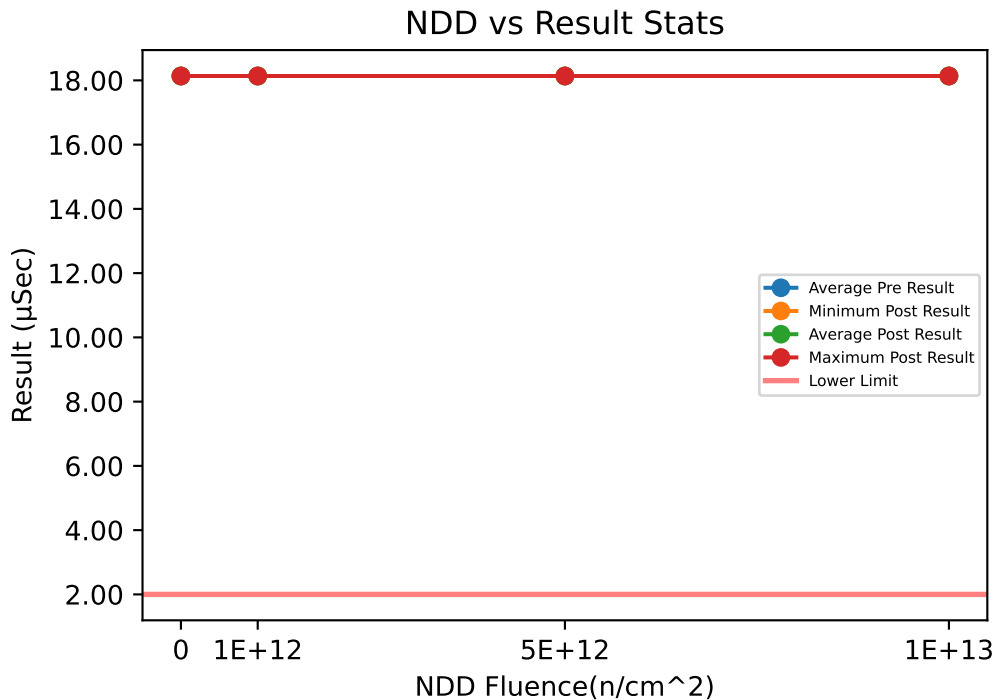
Test Results (Upper Limit = 2.2 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.595	0.595	0
315	1e+12	NDD Unbiased	0.595	0.595	0
316	1e+12	NDD Unbiased	0.595	0.595	0
317	1e+12	NDD Unbiased	0.595	0.595	0
318	5e+12	NDD Unbiased	0.595	0.595	0
319	5e+12	NDD Unbiased	0.595	0.595	0
320	5e+12	NDD Unbiased	0.595	0.595	0
321	5e+12	NDD Unbiased	0.595	0.595	0
322	1e+13	NDD Unbiased	0.595	0.595	0
323	1e+13	NDD Unbiased	0.595	0.595	0
324	1e+13	NDD Unbiased	0.595	0.595	0
325	1e+13	NDD Unbiased	0.595	0.595	0
326	0	Correlation	0.595	0.595	0
327	0	Correlation	0.595	0.595	0
328	0	Correlation	0.595	0.595	0

Test Statistics (µSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
5e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+13	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.11; WDI_HT



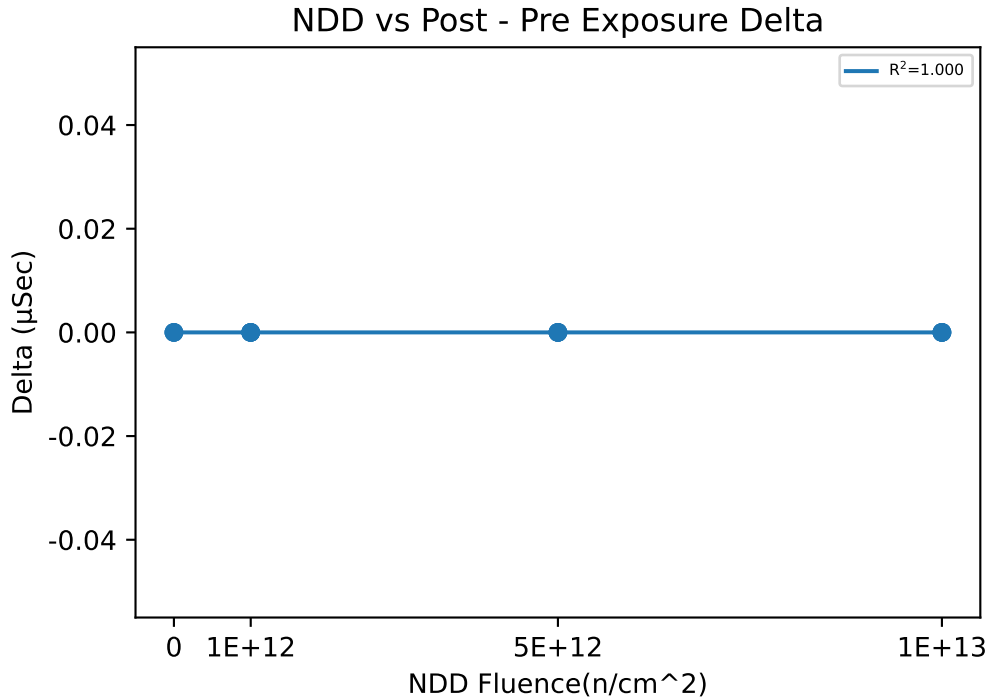
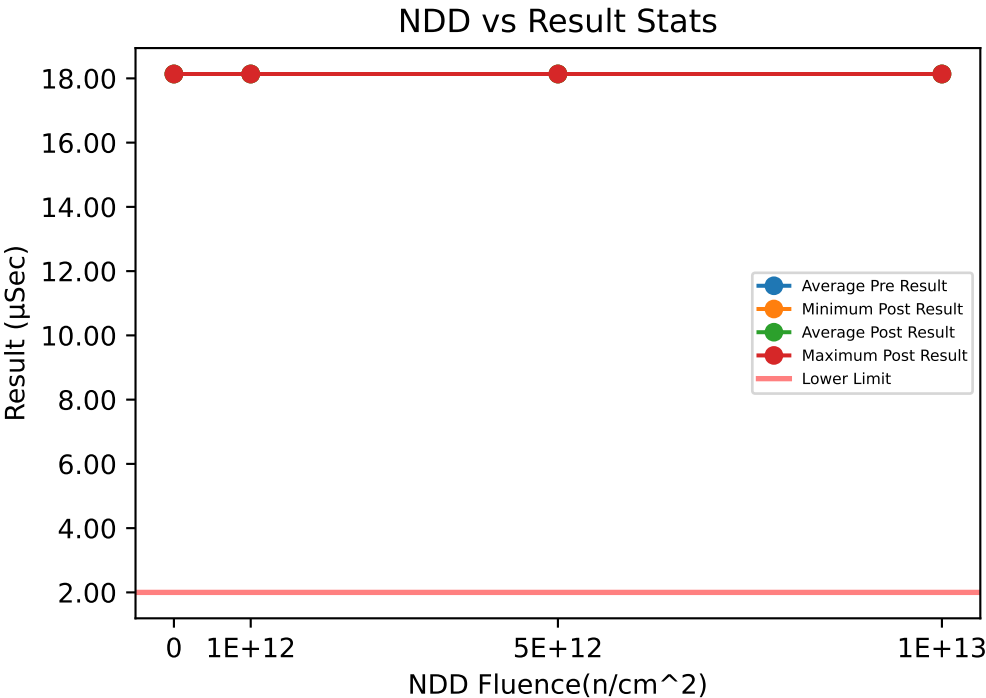
Test Results (Lower Limit = 2.0 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	18.136	18.136	0
315	1e+12	NDD Unbiased	18.136	18.136	0
316	1e+12	NDD Unbiased	18.136	18.136	0
317	1e+12	NDD Unbiased	18.136	18.136	0
318	5e+12	NDD Unbiased	18.136	18.136	0
319	5e+12	NDD Unbiased	18.136	18.136	0
320	5e+12	NDD Unbiased	18.136	18.136	0
321	5e+12	NDD Unbiased	18.136	18.136	0
322	1e+13	NDD Unbiased	18.136	18.136	0
323	1e+13	NDD Unbiased	18.136	18.136	0
324	1e+13	NDD Unbiased	18.136	18.136	0
325	1e+13	NDD Unbiased	18.136	18.136	0
326	0	Correlation	18.136	18.136	0
327	0	Correlation	18.136	18.136	0
328	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+12	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
5e+12	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+13	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0

Device Test: 25.12; WDI_HT



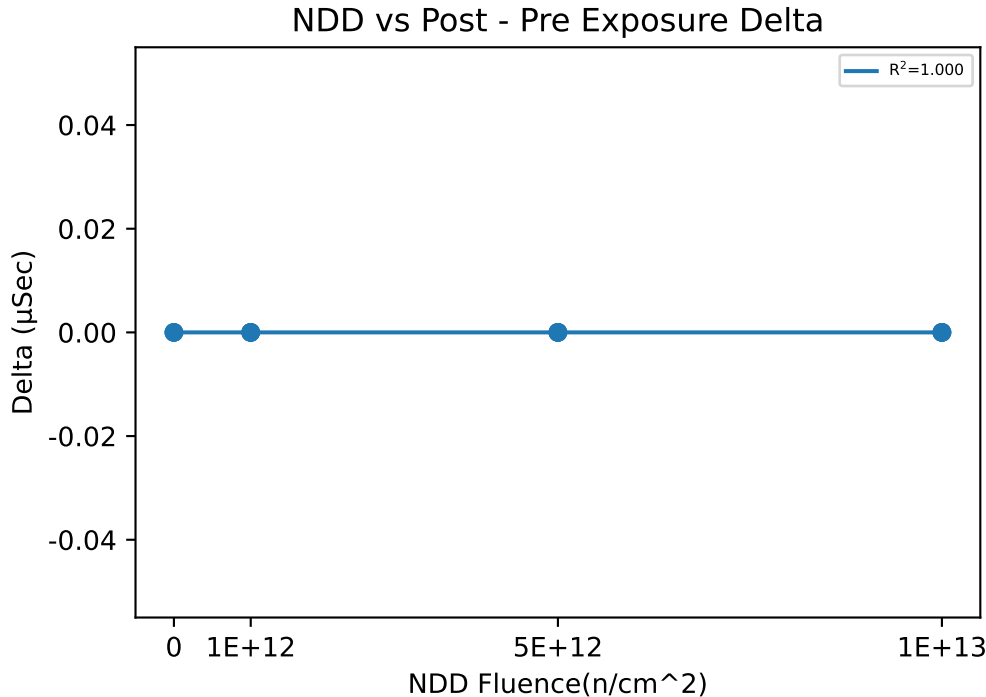
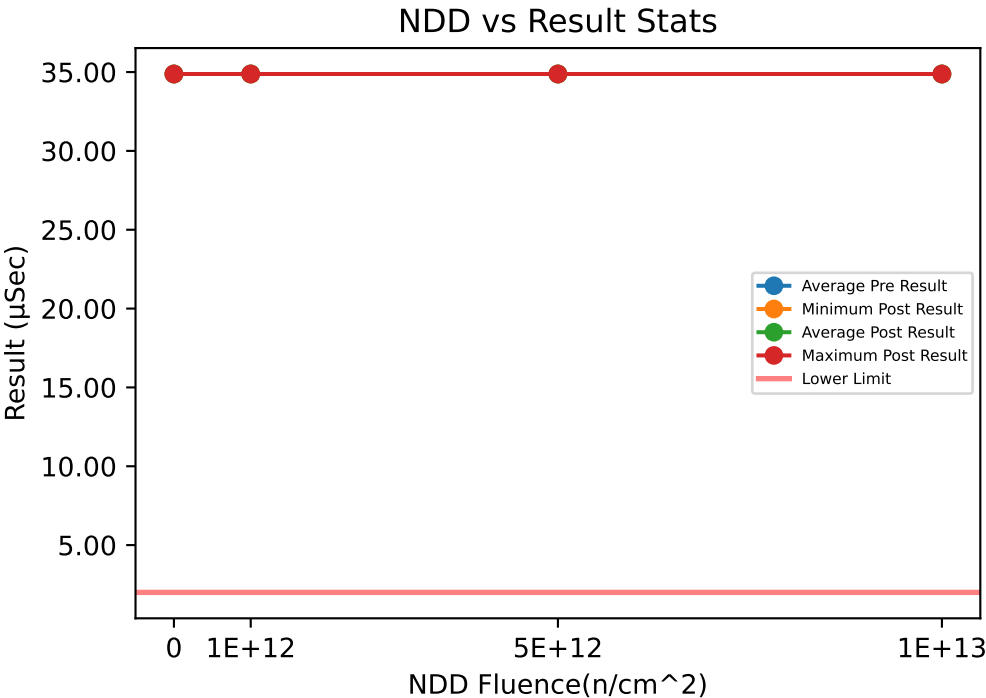
Test Results (Lower Limit = 2.0 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	18.136	18.136	0
315	1e+12	NDD Unbiased	18.136	18.136	0
316	1e+12	NDD Unbiased	18.136	18.136	0
317	1e+12	NDD Unbiased	18.136	18.136	0
318	5e+12	NDD Unbiased	18.136	18.136	0
319	5e+12	NDD Unbiased	18.136	18.136	0
320	5e+12	NDD Unbiased	18.136	18.136	0
321	5e+12	NDD Unbiased	18.136	18.136	0
322	1e+13	NDD Unbiased	18.136	18.136	0
323	1e+13	NDD Unbiased	18.136	18.136	0
324	1e+13	NDD Unbiased	18.136	18.136	0
325	1e+13	NDD Unbiased	18.136	18.136	0
326	0	Correlation	18.136	18.136	0
327	0	Correlation	18.136	18.136	0
328	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+12	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
5e+12	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+13	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0

Device Test: 25.13; WDI_HT



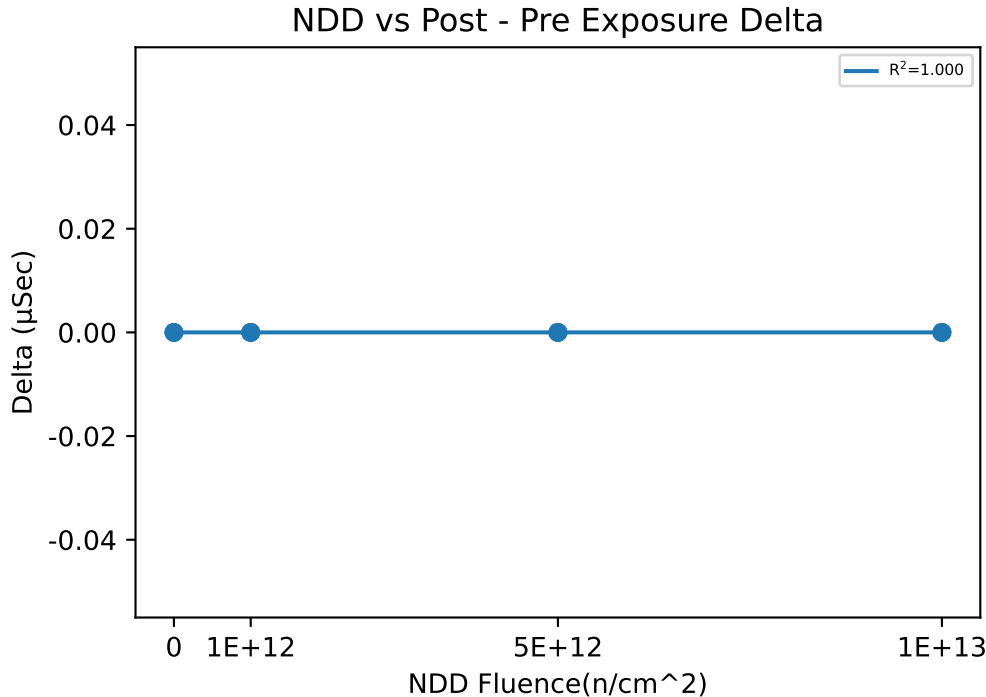
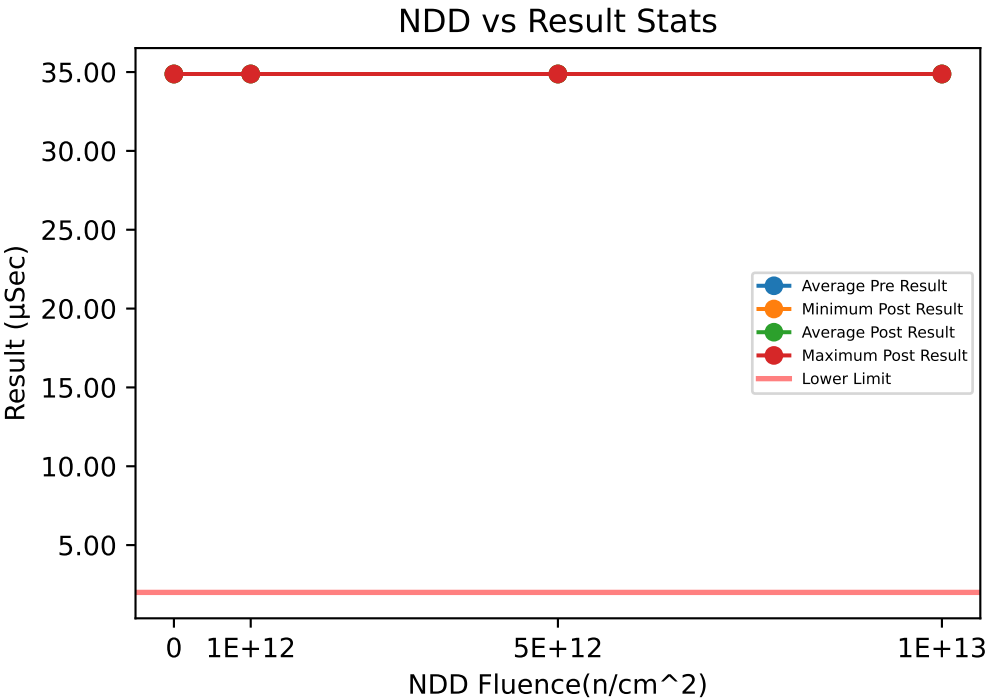
Test Results (Lower Limit = 2.0 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	34.877	34.877	0
315	1e+12	NDD Unbiased	34.877	34.877	0
316	1e+12	NDD Unbiased	34.877	34.877	0
317	1e+12	NDD Unbiased	34.877	34.877	0
318	5e+12	NDD Unbiased	34.877	34.877	0
319	5e+12	NDD Unbiased	34.877	34.877	0
320	5e+12	NDD Unbiased	34.877	34.877	0
321	5e+12	NDD Unbiased	34.877	34.877	0
322	1e+13	NDD Unbiased	34.877	34.877	0
323	1e+13	NDD Unbiased	34.877	34.877	0
324	1e+13	NDD Unbiased	34.877	34.877	0
325	1e+13	NDD Unbiased	34.877	34.877	0
326	0	Correlation	34.877	34.877	0
327	0	Correlation	34.877	34.877	0
328	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+12	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
5e+12	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+13	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0

Device Test: 25.14; WDI_HT



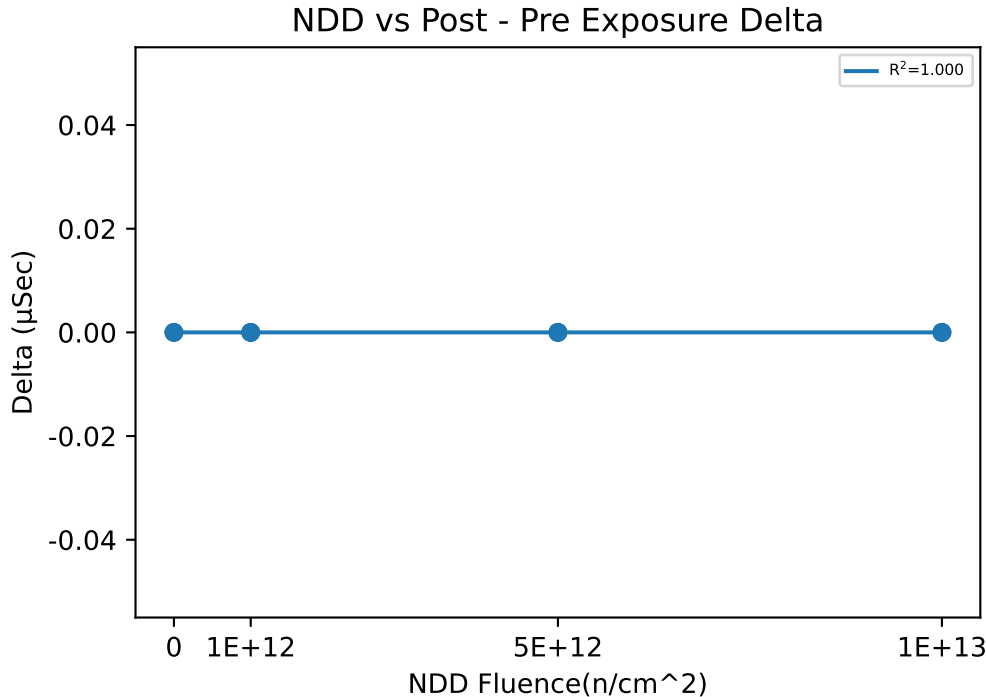
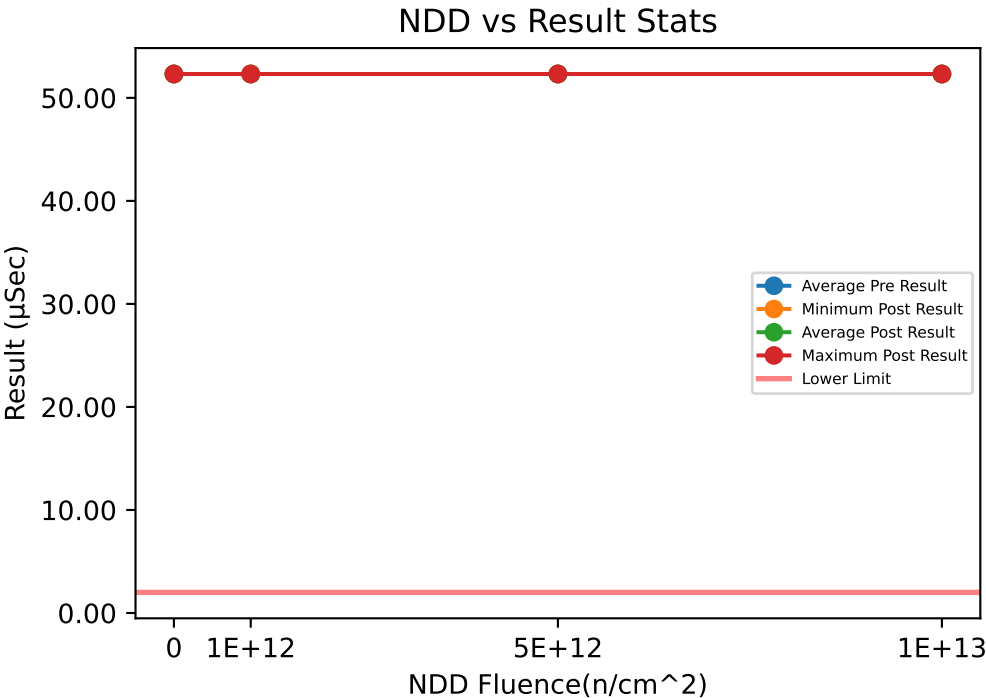
Test Results (Lower Limit = 2.0 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	34.877	34.877	0
315	1e+12	NDD Unbiased	34.877	34.877	0
316	1e+12	NDD Unbiased	34.877	34.877	0
317	1e+12	NDD Unbiased	34.877	34.877	0
318	5e+12	NDD Unbiased	34.877	34.877	0
319	5e+12	NDD Unbiased	34.877	34.877	0
320	5e+12	NDD Unbiased	34.877	34.877	0
321	5e+12	NDD Unbiased	34.877	34.877	0
322	1e+13	NDD Unbiased	34.877	34.877	0
323	1e+13	NDD Unbiased	34.877	34.877	0
324	1e+13	NDD Unbiased	34.877	34.877	0
325	1e+13	NDD Unbiased	34.877	34.877	0
326	0	Correlation	34.877	34.877	0
327	0	Correlation	34.877	34.877	0
328	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+12	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
5e+12	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+13	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0

Device Test: 25.15; WDI_HT



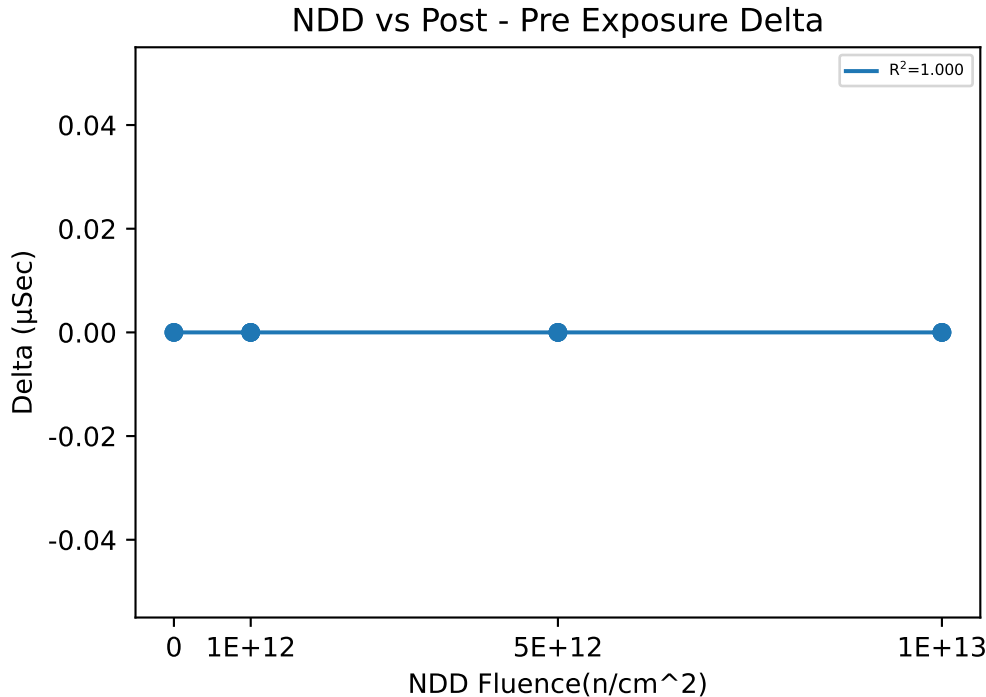
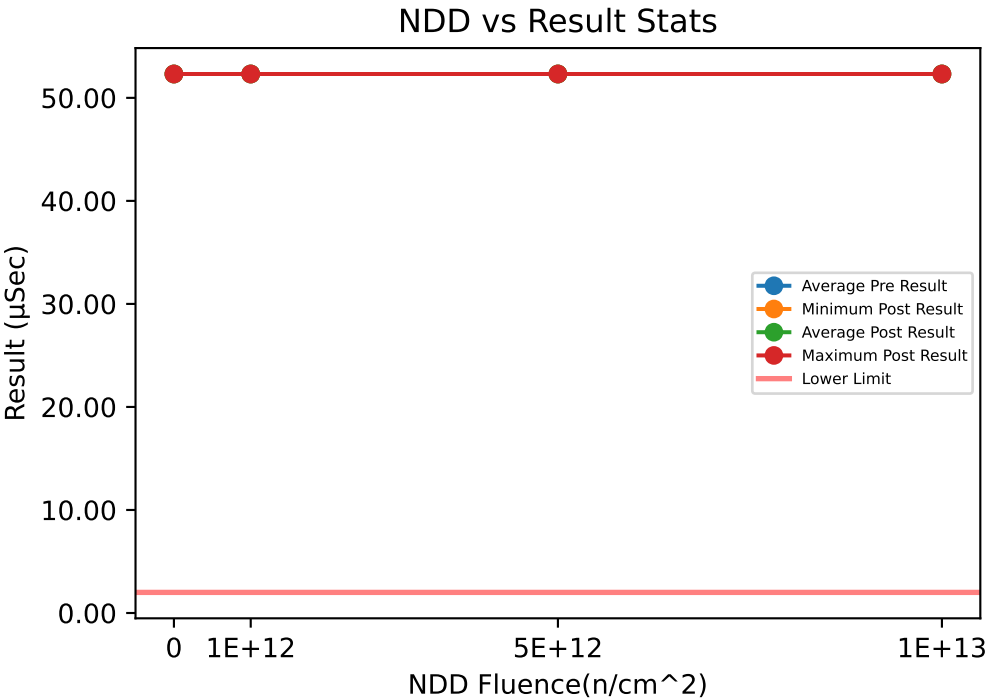
Test Results (Lower Limit = 2.0 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	52.316	52.316	0
315	1e+12	NDD Unbiased	52.316	52.316	0
316	1e+12	NDD Unbiased	52.316	52.316	0
317	1e+12	NDD Unbiased	52.316	52.316	0
318	5e+12	NDD Unbiased	52.316	52.316	0
319	5e+12	NDD Unbiased	52.316	52.316	0
320	5e+12	NDD Unbiased	52.316	52.316	0
321	5e+12	NDD Unbiased	52.316	52.316	0
322	1e+13	NDD Unbiased	52.316	52.316	0
323	1e+13	NDD Unbiased	52.316	52.316	0
324	1e+13	NDD Unbiased	52.316	52.316	0
325	1e+13	NDD Unbiased	52.316	52.316	0
326	0	Correlation	52.316	52.316	0
327	0	Correlation	52.316	52.316	0
328	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+12	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
5e+12	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+13	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0

Device Test: 25.16; WDI_HT



Test Results (Lower Limit = 2.0 (µSec))

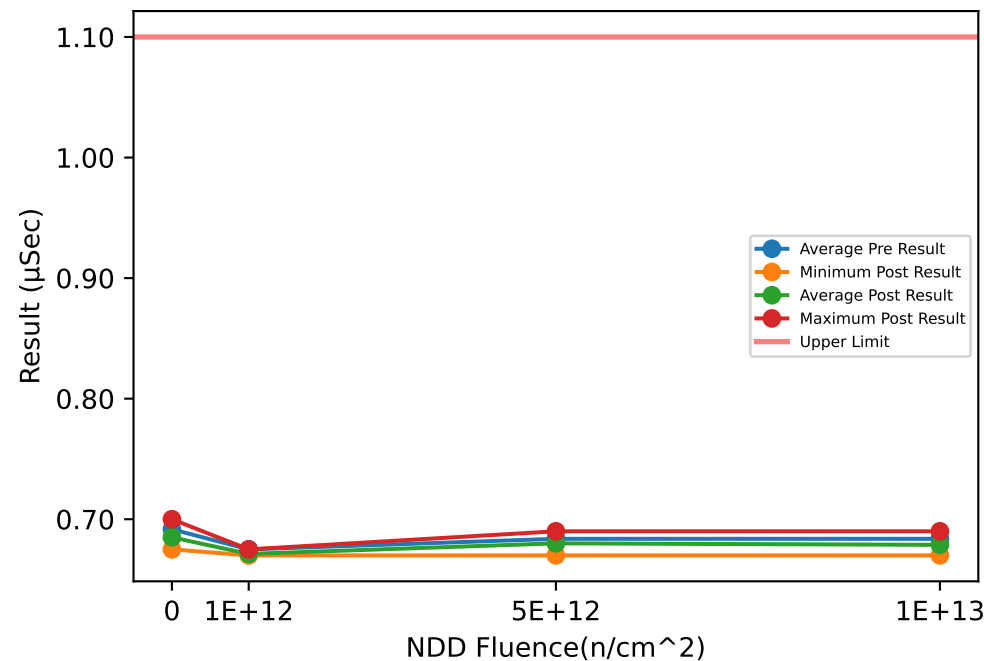
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	52.316	52.316	0
315	1e+12	NDD Unbiased	52.316	52.316	0
316	1e+12	NDD Unbiased	52.316	52.316	0
317	1e+12	NDD Unbiased	52.316	52.316	0
318	5e+12	NDD Unbiased	52.316	52.316	0
319	5e+12	NDD Unbiased	52.316	52.316	0
320	5e+12	NDD Unbiased	52.316	52.316	0
321	5e+12	NDD Unbiased	52.316	52.316	0
322	1e+13	NDD Unbiased	52.316	52.316	0
323	1e+13	NDD Unbiased	52.316	52.316	0
324	1e+13	NDD Unbiased	52.316	52.316	0
325	1e+13	NDD Unbiased	52.316	52.316	0
326	0	Correlation	52.316	52.316	0
327	0	Correlation	52.316	52.316	0
328	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

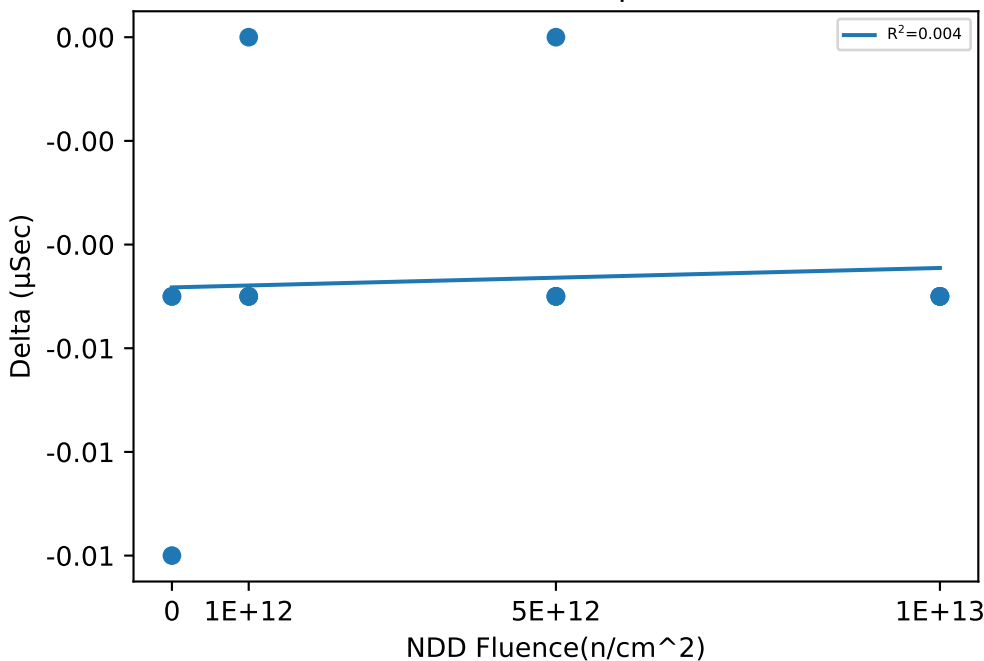
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+12	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
5e+12	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+13	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0

Device Test: 25.2; SR_UVLO_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 1.1 (µSec))

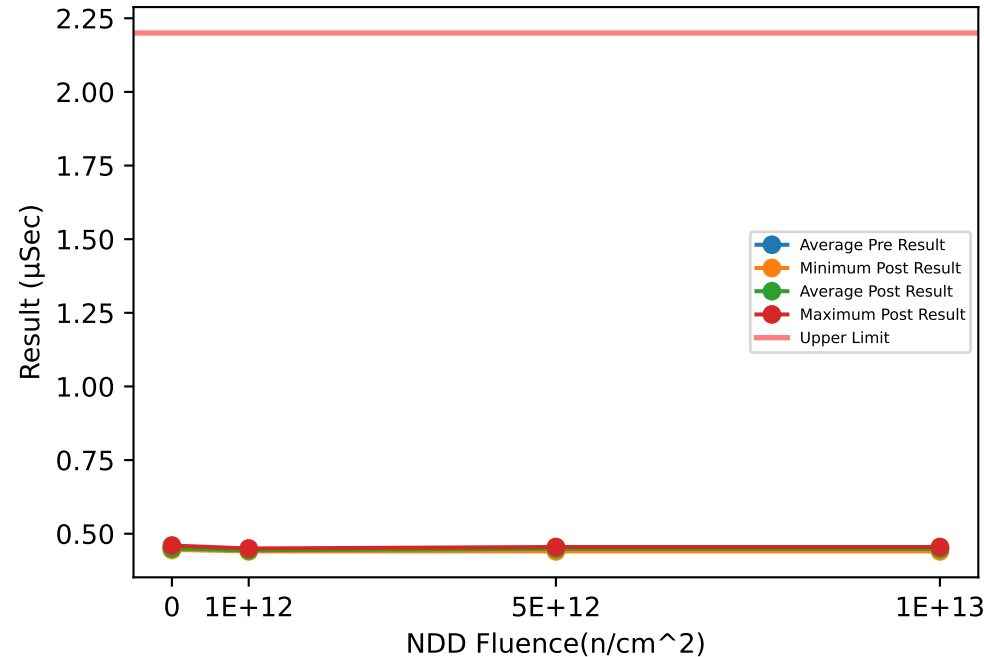
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.68	0.675	-0.005
315	1e+12	NDD Unbiased	0.675	0.67	-0.005
316	1e+12	NDD Unbiased	0.675	0.67	-0.005
317	1e+12	NDD Unbiased	0.67	0.67	0
318	5e+12	NDD Unbiased	0.69	0.685	-0.005
319	5e+12	NDD Unbiased	0.67	0.67	0
320	5e+12	NDD Unbiased	0.68	0.675	-0.005
321	5e+12	NDD Unbiased	0.695	0.69	-0.005
322	1e+13	NDD Unbiased	0.685	0.68	-0.005
323	1e+13	NDD Unbiased	0.68	0.675	-0.005
324	1e+13	NDD Unbiased	0.695	0.69	-0.005
325	1e+13	NDD Unbiased	0.675	0.67	-0.005
326	0	Correlation	0.705	0.7	-0.005
327	0	Correlation	0.685	0.675	-0.01
328	0	Correlation	0.685	0.68	-0.005

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.685	0.69167	0.705	0.011547	0.675	0.685	0.7	0.013229	-0.01	-0.0066667	-0.005	0.0028868
1e+12	0.67	0.675	0.68	0.0040825	0.67	0.67125	0.675	0.0025	-0.005	-0.00375	0	0.0025
5e+12	0.67	0.68375	0.695	0.011087	0.67	0.68	0.69	0.0091287	-0.005	-0.00375	0	0.0025
1e+13	0.675	0.68375	0.695	0.0085391	0.67	0.67875	0.69	0.0085391	-0.005	-0.005	-0.005	0

Device Test: 25.3; SENSE_F_HT_PP

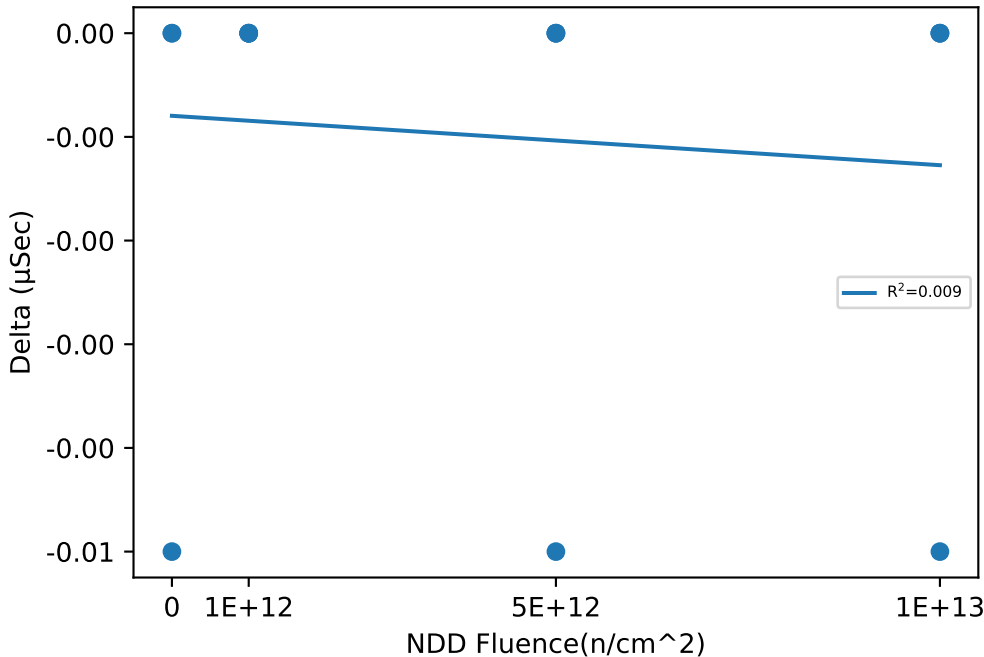
NDD vs Result Stats



Test Results (Upper Limit = 2.2 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.45	0.45	0
315	1e+12	NDD Unbiased	0.44	0.44	0
316	1e+12	NDD Unbiased	0.44	0.44	0
317	1e+12	NDD Unbiased	0.445	0.445	0
318	5e+12	NDD Unbiased	0.45	0.45	0
319	5e+12	NDD Unbiased	0.445	0.44	-0.005
320	5e+12	NDD Unbiased	0.45	0.45	0
321	5e+12	NDD Unbiased	0.455	0.455	0
322	1e+13	NDD Unbiased	0.45	0.45	0
323	1e+13	NDD Unbiased	0.445	0.44	-0.005
324	1e+13	NDD Unbiased	0.455	0.455	0
325	1e+13	NDD Unbiased	0.45	0.45	0
326	0	Correlation	0.46	0.46	0
327	0	Correlation	0.45	0.445	-0.005
328	0	Correlation	0.445	0.445	0

NDD vs Post - Pre Exposure Delta

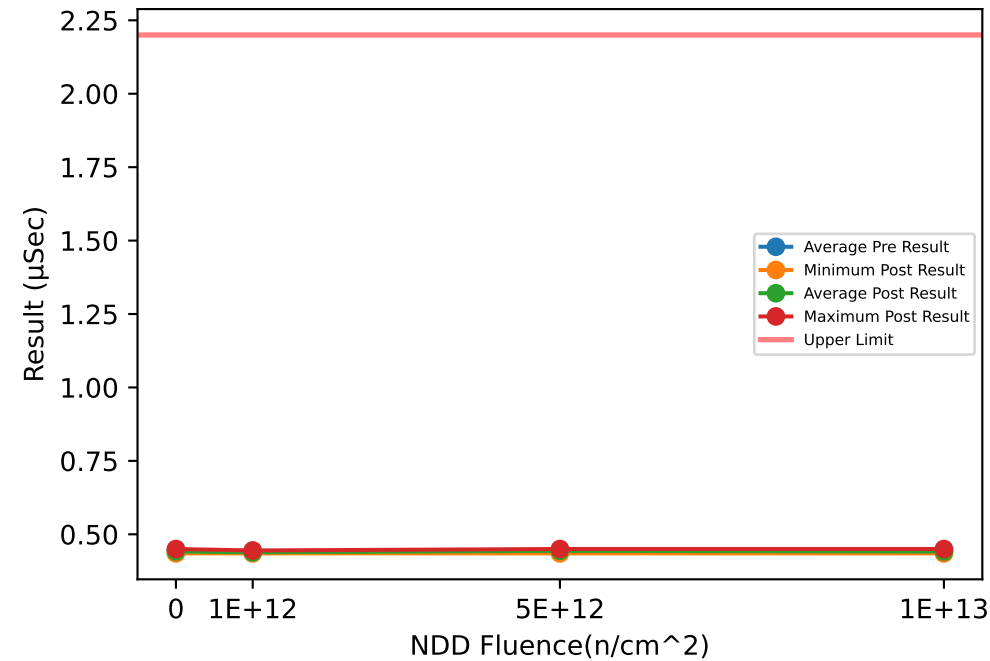


Test Statistics (µSec)

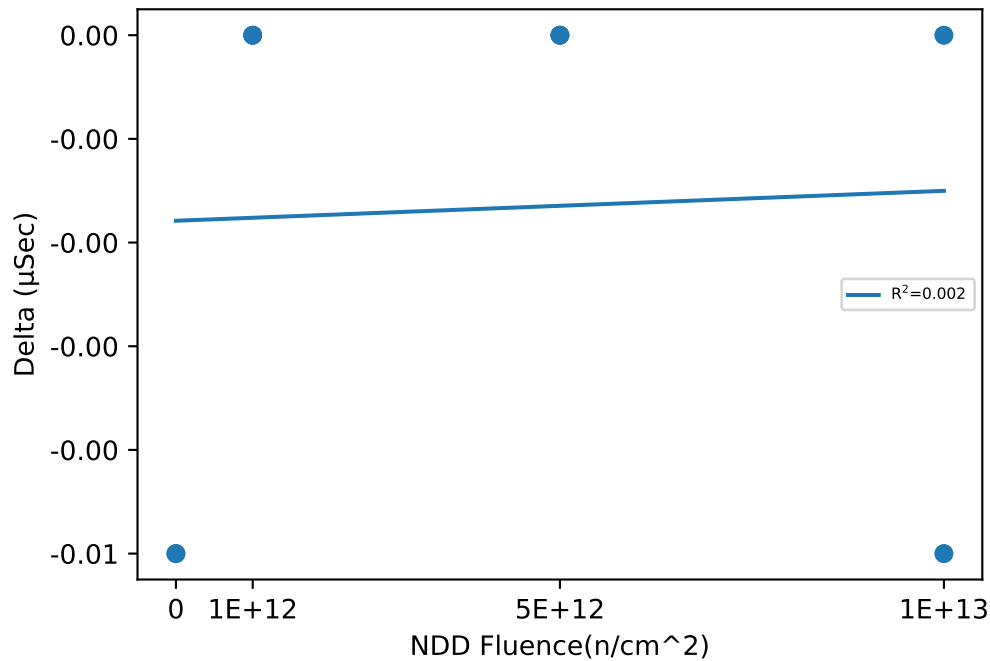
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.445	0.45167	0.46	0.0076376	0.445	0.45	0.46	0.0086603	-0.005	-0.0016667	0	0.0028868
1e+12	0.44	0.44375	0.45	0.0047871	0.44	0.44375	0.45	0.0047871	0	0	0	0
5e+12	0.445	0.45	0.455	0.0040825	0.44	0.44875	0.455	0.0062915	-0.005	-0.00125	0	0.0025
1e+13	0.445	0.45	0.455	0.0040825	0.44	0.44875	0.455	0.0062915	-0.005	-0.00125	0	0.0025

Device Test: 25.4; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.2 (µSec))

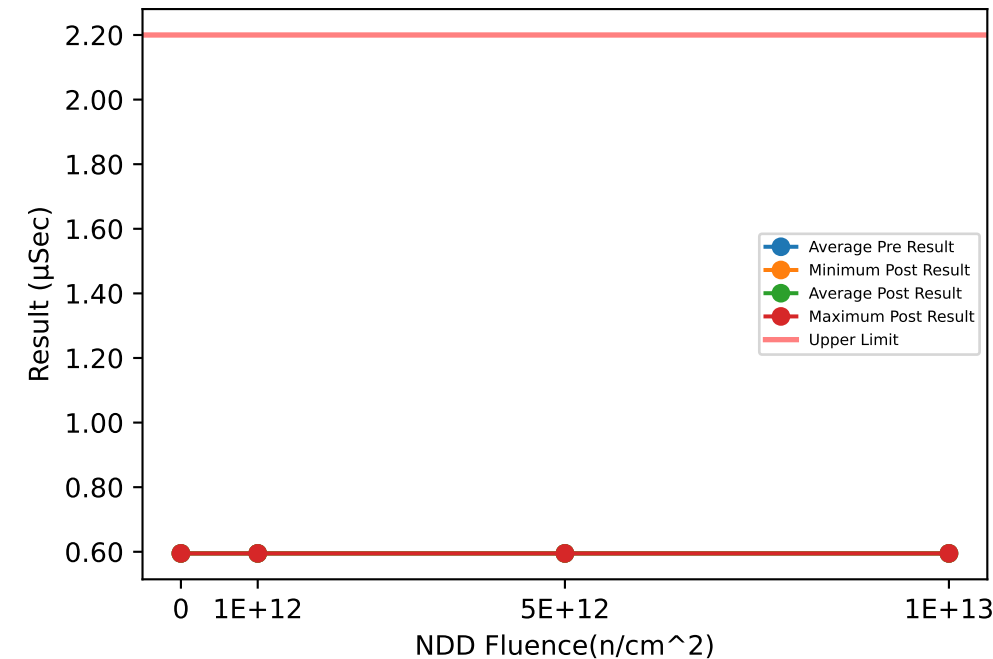
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.445	0.445	0
315	1e+12	NDD Unbiased	0.435	0.435	0
316	1e+12	NDD Unbiased	0.435	0.435	0
317	1e+12	NDD Unbiased	0.44	0.44	0
318	5e+12	NDD Unbiased	0.445	0.445	0
319	5e+12	NDD Unbiased	0.435	0.435	0
320	5e+12	NDD Unbiased	0.445	0.445	0
321	5e+12	NDD Unbiased	0.45	0.45	0
322	1e+13	NDD Unbiased	0.445	0.44	-0.005
323	1e+13	NDD Unbiased	0.435	0.435	0
324	1e+13	NDD Unbiased	0.45	0.45	0
325	1e+13	NDD Unbiased	0.445	0.44	-0.005
326	0	Correlation	0.455	0.45	-0.005
327	0	Correlation	0.445	0.44	-0.005
328	0	Correlation	0.44	0.435	-0.005

Test Statistics (µSec)

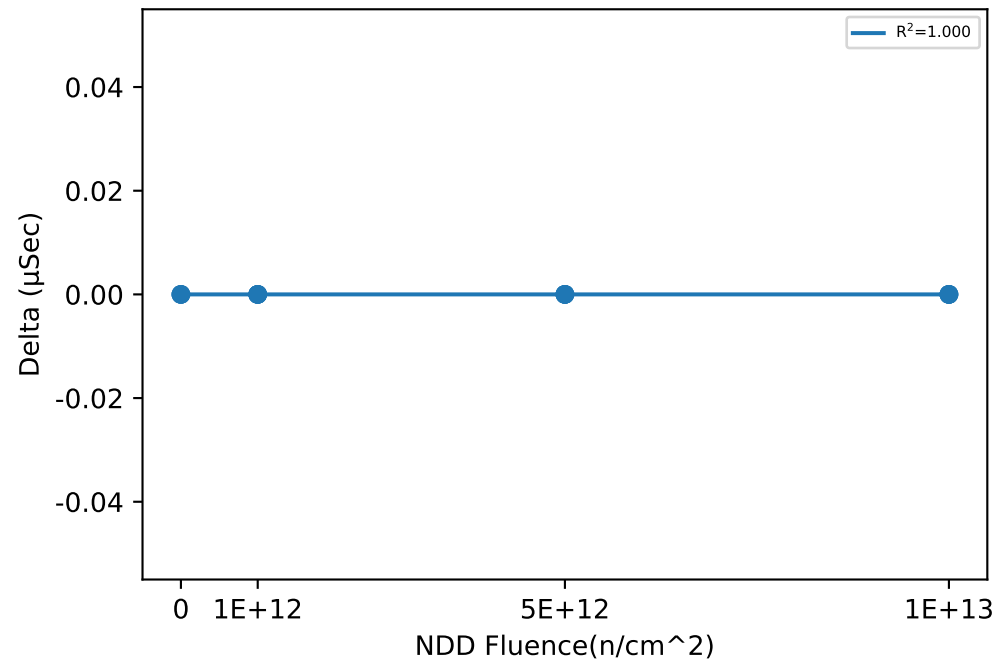
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.44	0.44667	0.455	0.0076376	0.435	0.44167	0.45	0.0076376	-0.005	-0.005	-0.005	0
1e+12	0.435	0.43875	0.445	0.0047871	0.435	0.43875	0.445	0.0047871	0	0	0	0
5e+12	0.435	0.44375	0.45	0.0062915	0.435	0.44375	0.45	0.0062915	0	0	0	0
1e+13	0.435	0.44375	0.45	0.0062915	0.435	0.44125	0.45	0.0062915	-0.005	-0.0025	0	0.0028868

Device Test: 25.5; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.2 (µSec))

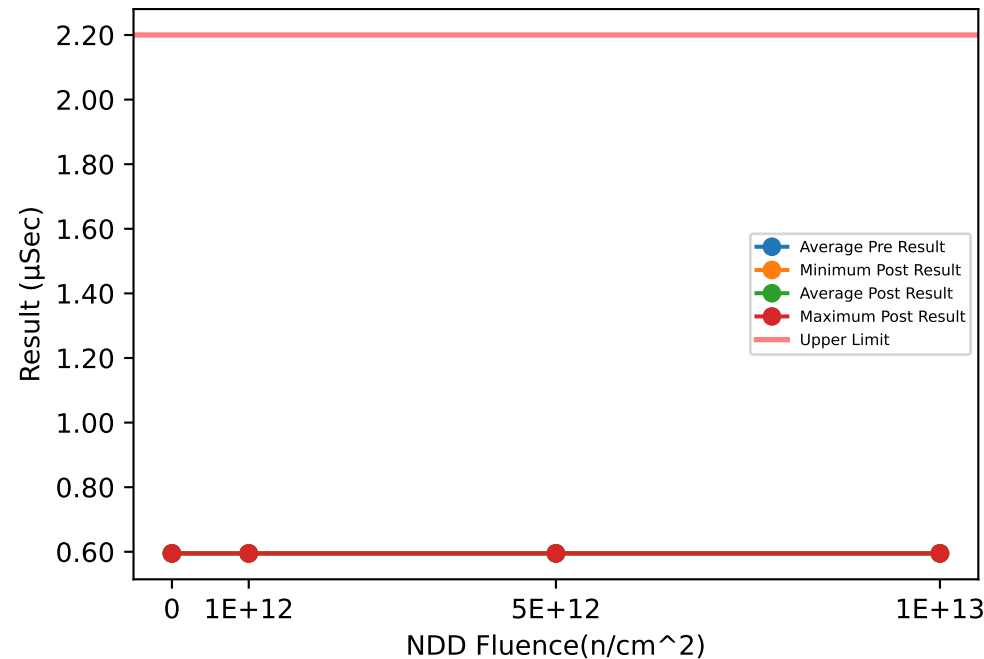
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.595	0.595	0
315	1e+12	NDD Unbiased	0.595	0.595	0
316	1e+12	NDD Unbiased	0.595	0.595	0
317	1e+12	NDD Unbiased	0.595	0.595	0
318	5e+12	NDD Unbiased	0.595	0.595	0
319	5e+12	NDD Unbiased	0.595	0.595	0
320	5e+12	NDD Unbiased	0.595	0.595	0
321	5e+12	NDD Unbiased	0.595	0.595	0
322	1e+13	NDD Unbiased	0.595	0.595	0
323	1e+13	NDD Unbiased	0.595	0.595	0
324	1e+13	NDD Unbiased	0.595	0.595	0
325	1e+13	NDD Unbiased	0.595	0.595	0
326	0	Correlation	0.595	0.595	0
327	0	Correlation	0.595	0.595	0
328	0	Correlation	0.595	0.595	0

Test Statistics (µSec)

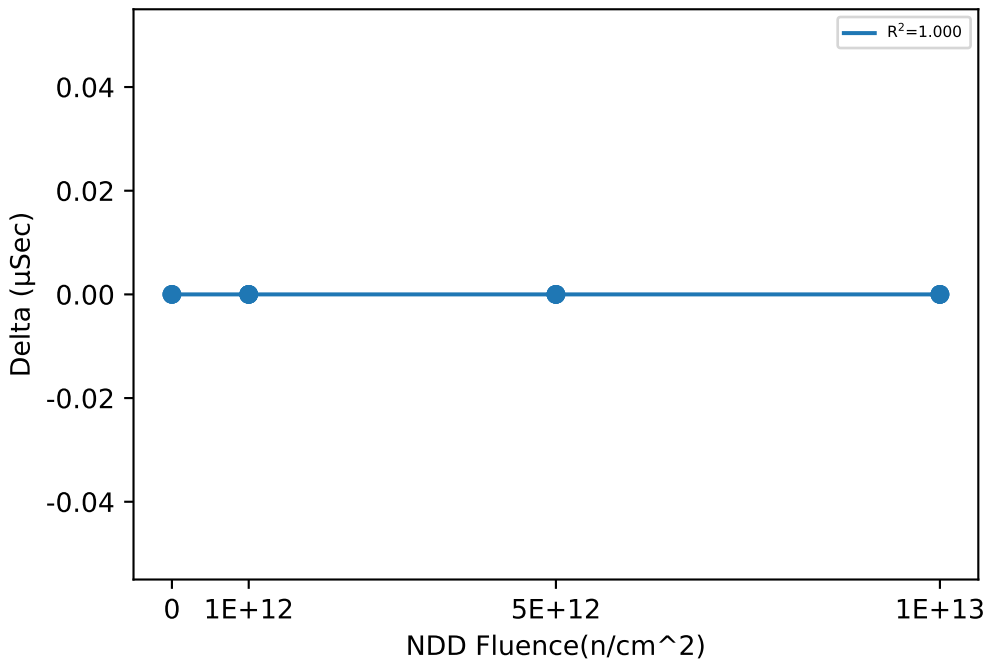
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
5e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+13	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.6; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.2 (µSec))

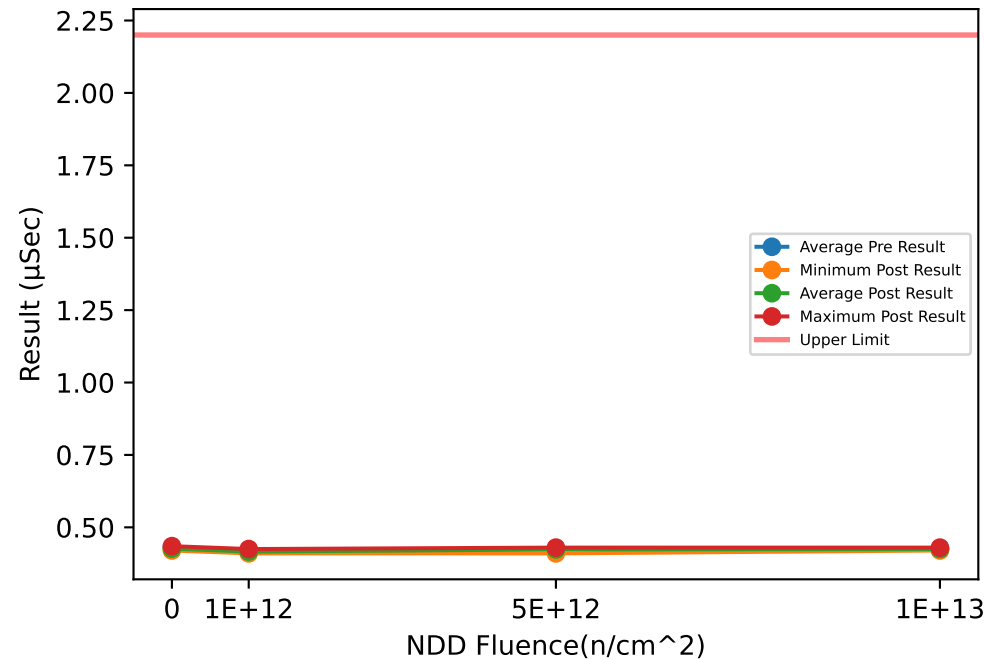
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.595	0.595	0
315	1e+12	NDD Unbiased	0.595	0.595	0
316	1e+12	NDD Unbiased	0.595	0.595	0
317	1e+12	NDD Unbiased	0.595	0.595	0
318	5e+12	NDD Unbiased	0.595	0.595	0
319	5e+12	NDD Unbiased	0.595	0.595	0
320	5e+12	NDD Unbiased	0.595	0.595	0
321	5e+12	NDD Unbiased	0.595	0.595	0
322	1e+13	NDD Unbiased	0.595	0.595	0
323	1e+13	NDD Unbiased	0.595	0.595	0
324	1e+13	NDD Unbiased	0.595	0.595	0
325	1e+13	NDD Unbiased	0.595	0.595	0
326	0	Correlation	0.595	0.595	0
327	0	Correlation	0.595	0.595	0
328	0	Correlation	0.595	0.595	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
5e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+13	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.7; SENSE_F_HT_PP

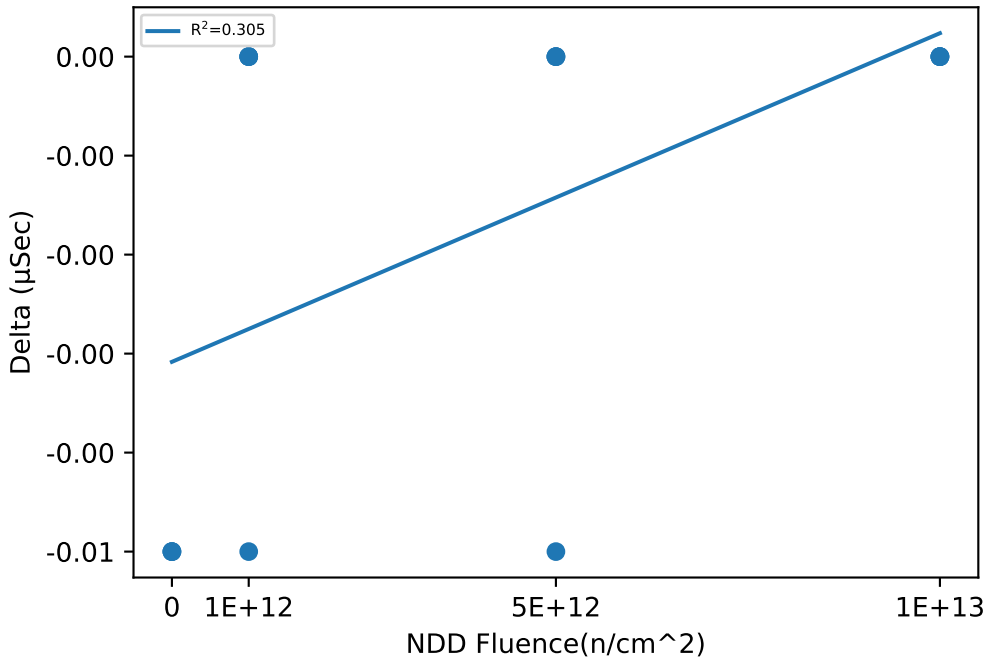
NDD vs Result Stats



Test Results (Upper Limit = 2.2 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.425	0.425	0
315	1e+12	NDD Unbiased	0.415	0.41	-0.005
316	1e+12	NDD Unbiased	0.415	0.415	0
317	1e+12	NDD Unbiased	0.415	0.415	0
318	5e+12	NDD Unbiased	0.435	0.43	-0.005
319	5e+12	NDD Unbiased	0.41	0.41	0
320	5e+12	NDD Unbiased	0.425	0.425	0
321	5e+12	NDD Unbiased	0.43	0.43	0
322	1e+13	NDD Unbiased	0.425	0.425	0
323	1e+13	NDD Unbiased	0.42	0.42	0
324	1e+13	NDD Unbiased	0.43	0.43	0
325	1e+13	NDD Unbiased	0.425	0.425	0
326	0	Correlation	0.44	0.435	-0.005
327	0	Correlation	0.43	0.425	-0.005
328	0	Correlation	0.425	0.42	-0.005

NDD vs Post - Pre Exposure Delta

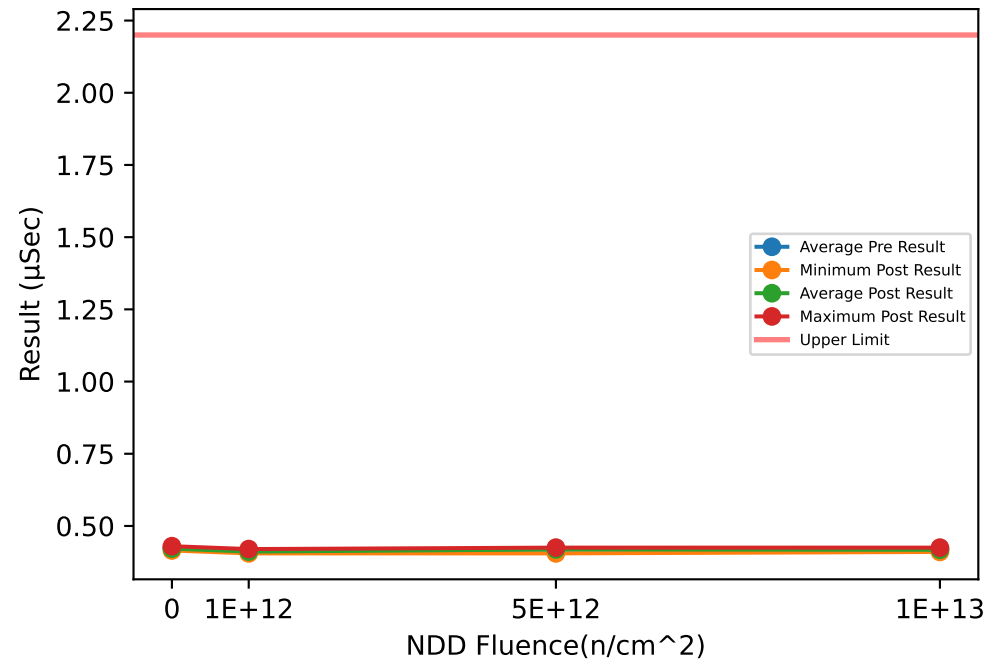


Test Statistics (µSec)

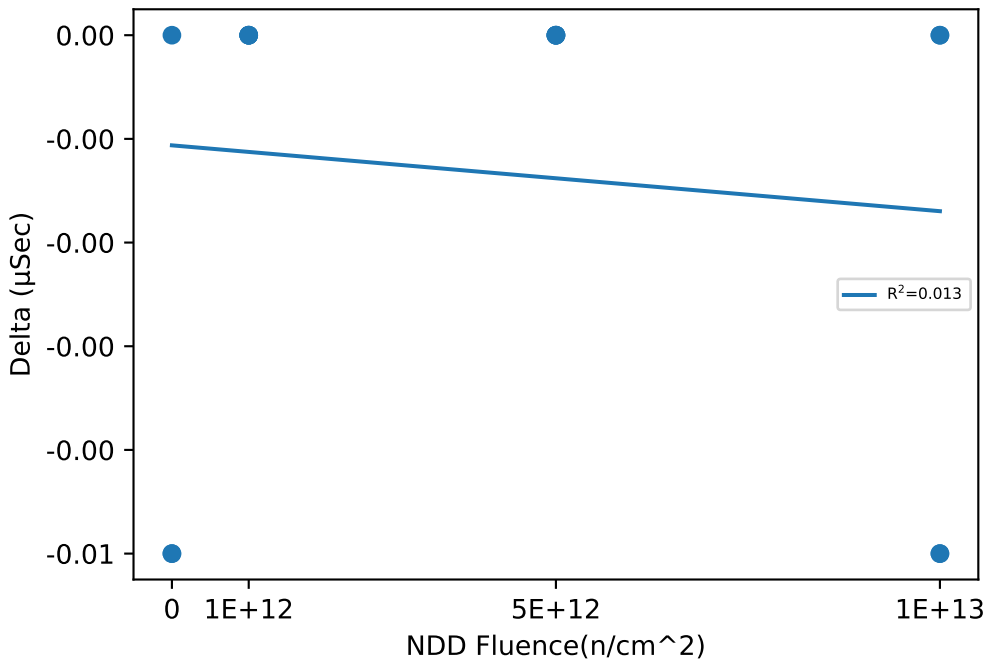
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.425	0.43167	0.44	0.0076376	0.42	0.42667	0.435	0.0076376	-0.005	-0.005	-0.005	0
1e+12	0.415	0.4175	0.425	0.005	0.41	0.41625	0.425	0.0062915	-0.005	-0.00125	0	0.0025
5e+12	0.41	0.425	0.435	0.010801	0.41	0.42375	0.43	0.0094648	-0.005	-0.00125	0	0.0025
1e+13	0.42	0.425	0.43	0.0040825	0.42	0.425	0.43	0.0040825	0	0	0	0

Device Test: 25.8; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.2 (µSec))

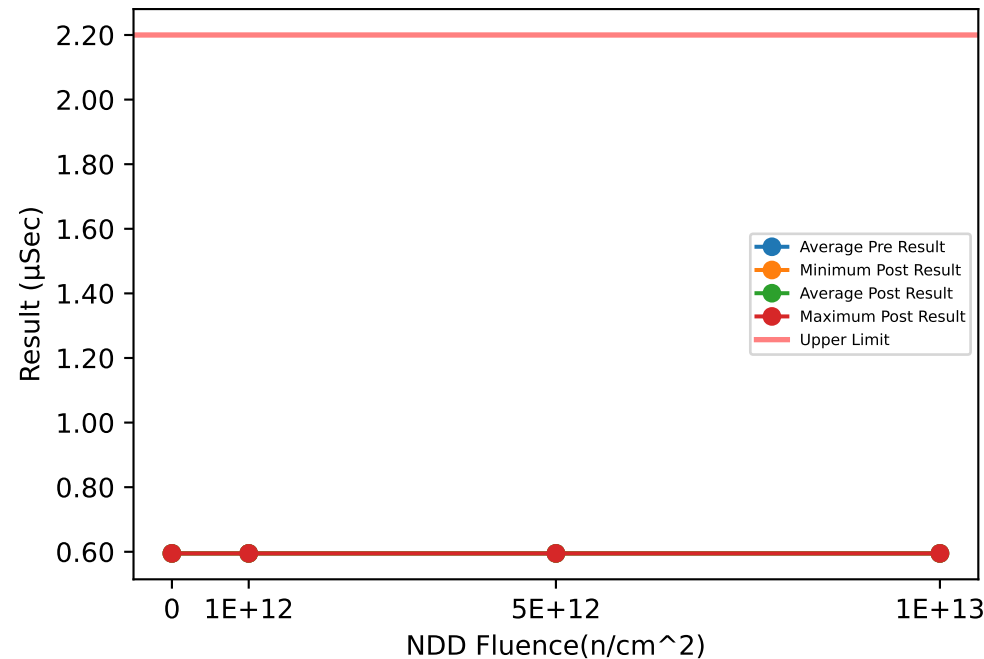
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.42	0.42	0
315	1e+12	NDD Unbiased	0.405	0.405	0
316	1e+12	NDD Unbiased	0.41	0.41	0
317	1e+12	NDD Unbiased	0.41	0.41	0
318	5e+12	NDD Unbiased	0.425	0.425	0
319	5e+12	NDD Unbiased	0.405	0.405	0
320	5e+12	NDD Unbiased	0.42	0.42	0
321	5e+12	NDD Unbiased	0.425	0.425	0
322	1e+13	NDD Unbiased	0.42	0.415	-0.005
323	1e+13	NDD Unbiased	0.415	0.41	-0.005
324	1e+13	NDD Unbiased	0.425	0.425	0
325	1e+13	NDD Unbiased	0.42	0.42	0
326	0	Correlation	0.43	0.43	0
327	0	Correlation	0.425	0.42	-0.005
328	0	Correlation	0.42	0.415	-0.005

Test Statistics (µSec)

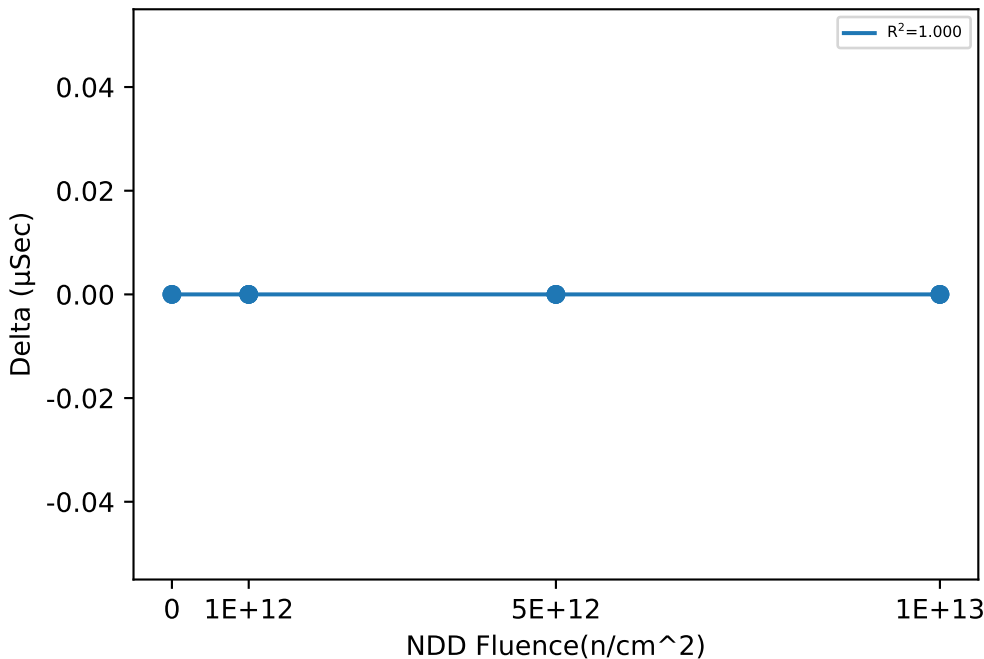
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.42	0.425	0.43	0.005	0.415	0.42167	0.43	0.0076376	-0.005	-0.0033333	0	0.0028868
1e+12	0.405	0.41125	0.42	0.0062915	0.405	0.41125	0.42	0.0062915	0	0	0	0
5e+12	0.405	0.41875	0.425	0.0094648	0.405	0.41875	0.425	0.0094648	0	0	0	0
1e+13	0.415	0.42	0.425	0.0040825	0.41	0.4175	0.425	0.006455	-0.005	-0.0025	0	0.0028868

Device Test: 25.9; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.2 (µSec))

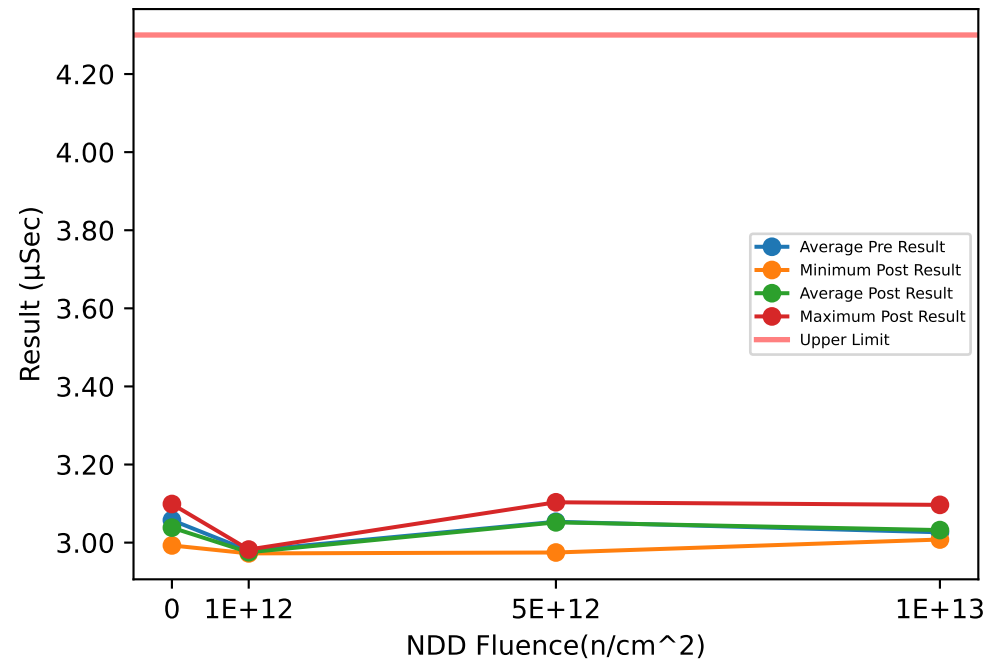
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.595	0.595	0
315	1e+12	NDD Unbiased	0.595	0.595	0
316	1e+12	NDD Unbiased	0.595	0.595	0
317	1e+12	NDD Unbiased	0.595	0.595	0
318	5e+12	NDD Unbiased	0.595	0.595	0
319	5e+12	NDD Unbiased	0.595	0.595	0
320	5e+12	NDD Unbiased	0.595	0.595	0
321	5e+12	NDD Unbiased	0.595	0.595	0
322	1e+13	NDD Unbiased	0.595	0.595	0
323	1e+13	NDD Unbiased	0.595	0.595	0
324	1e+13	NDD Unbiased	0.595	0.595	0
325	1e+13	NDD Unbiased	0.595	0.595	0
326	0	Correlation	0.595	0.595	0
327	0	Correlation	0.595	0.595	0
328	0	Correlation	0.595	0.595	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
5e+12	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
1e+13	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 5.1; PROPD_RESET

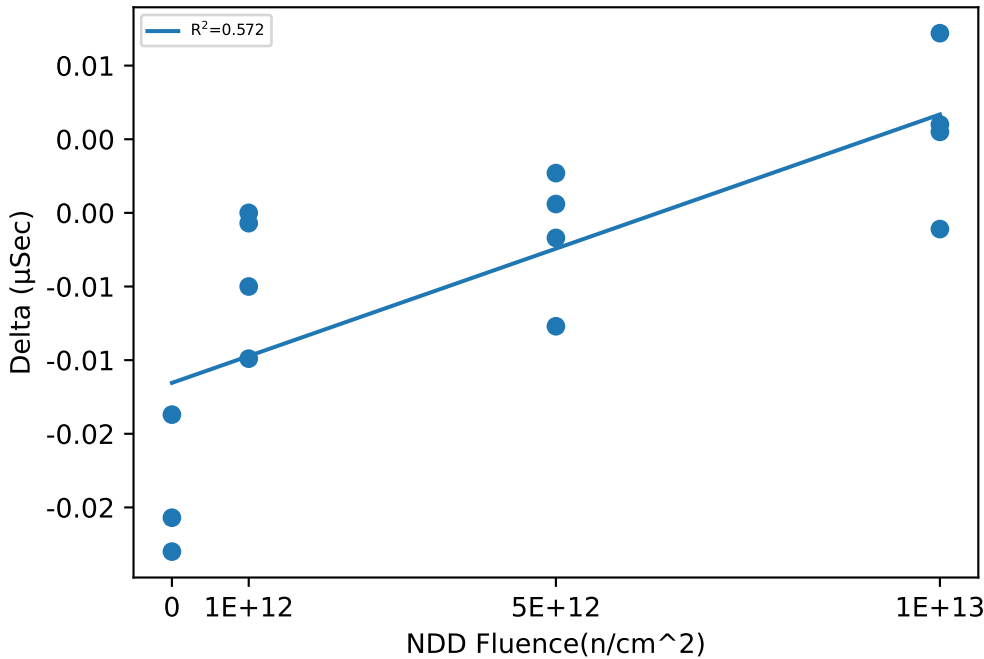
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.9823	2.9823	0
315	1e+12	NDD Unbiased	2.9823	2.9724	-0.0099
316	1e+12	NDD Unbiased	2.9777	2.9727	-0.005
317	1e+12	NDD Unbiased	2.9747	2.974	-0.0007
318	5e+12	NDD Unbiased	3.091	3.0833	-0.0077
319	5e+12	NDD Unbiased	2.9764	2.9747	-0.0017
320	5e+12	NDD Unbiased	3.0458	3.0464	0.0006
321	5e+12	NDD Unbiased	3.1006	3.1033	0.0027
322	1e+13	NDD Unbiased	3.0154	3.0143	-0.0011
323	1e+13	NDD Unbiased	2.9957	3.0079	0.0122
324	1e+13	NDD Unbiased	3.0912	3.0967	0.0055
325	1e+13	NDD Unbiased	3.0035	3.0095	0.006
326	0	Correlation	3.1126	3.0989	-0.0137
327	0	Correlation	3.0442	3.0235	-0.0207
328	0	Correlation	3.0158	2.9928	-0.023

NDD vs Post - Pre Exposure Delta

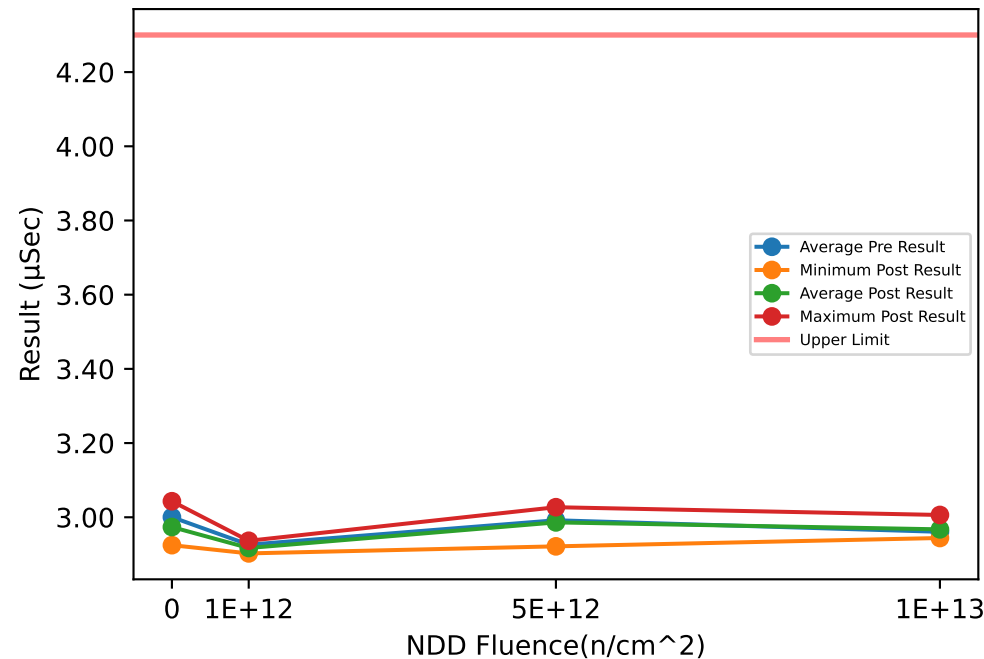


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0158	3.0575	3.1126	0.049758	2.9928	3.0384	3.0989	0.054597	-0.023	-0.019133	-0.0137	0.0048439
1e+12	2.9747	2.9792	2.9823	0.0037287	2.9724	2.9754	2.9823	0.0046851	-0.0099	-0.0039	0	0.0045702
5e+12	2.9764	3.0534	3.1006	0.056652	2.9747	3.0519	3.1033	0.056622	-0.0077	-0.001525	0.0027	0.0044918
1e+13	2.9957	3.0265	3.0912	0.04392	3.0079	3.0321	3.0967	0.043152	-0.0011	0.00565	0.0122	0.0054348

Device Test: 5.10; PROPD_RESET

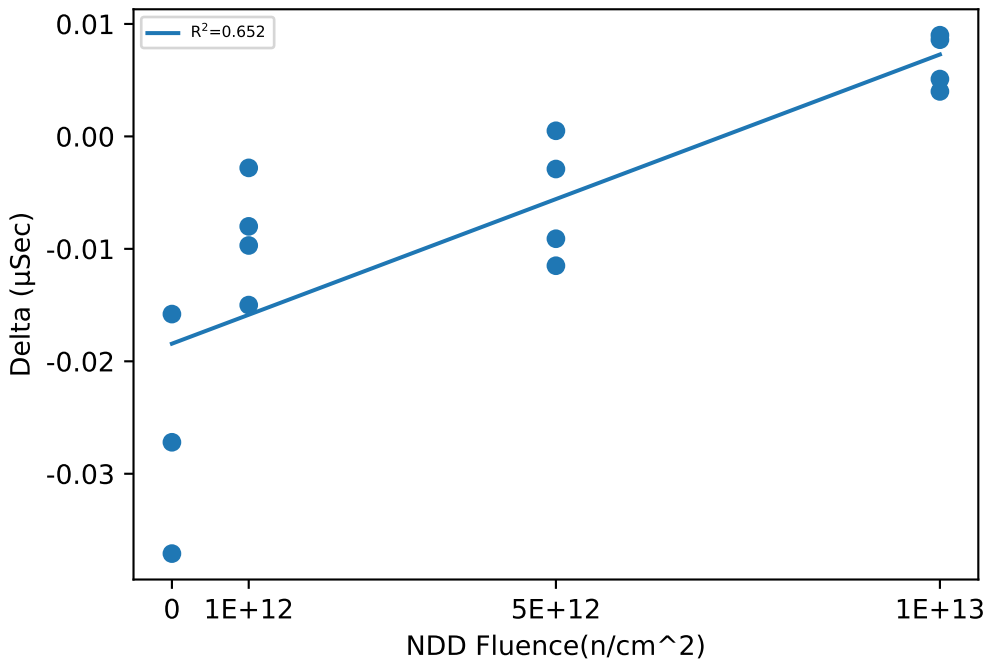
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.9231	2.9203	-0.0028
315	1e+12	NDD Unbiased	2.9106	2.9026	-0.008
316	1e+12	NDD Unbiased	2.9242	2.9092	-0.015
317	1e+12	NDD Unbiased	2.9463	2.9366	-0.0097
318	5e+12	NDD Unbiased	3.0269	3.0154	-0.0115
319	5e+12	NDD Unbiased	2.9245	2.9216	-0.0029
320	5e+12	NDD Unbiased	2.9897	2.9806	-0.0091
321	5e+12	NDD Unbiased	3.0266	3.0271	0.0005
322	1e+13	NDD Unbiased	2.9535	2.9586	0.0051
323	1e+13	NDD Unbiased	2.9355	2.9441	0.0086
324	1e+13	NDD Unbiased	2.9972	3.0062	0.009
325	1e+13	NDD Unbiased	2.957	2.961	0.004
326	0	Correlation	3.059	3.0432	-0.0158
327	0	Correlation	2.9803	2.9531	-0.0272
328	0	Correlation	2.9619	2.9248	-0.0371

NDD vs Post - Pre Exposure Delta

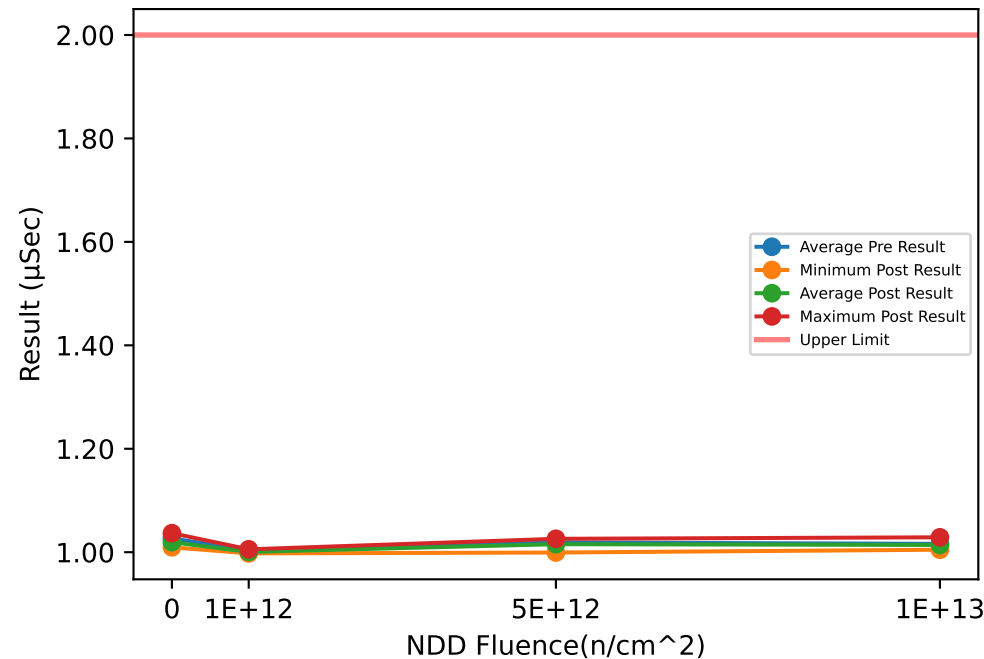


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9619	3.0004	3.059	0.051576	2.9248	2.9737	3.0432	0.06183	-0.0371	-0.0267	-0.0158	0.010659
1e+12	2.9106	2.9261	2.9463	0.014842	2.9026	2.9172	2.9366	0.014867	-0.015	-0.008875	-0.0028	0.0050288
5e+12	2.9245	2.9919	3.0269	0.048224	2.9216	2.9862	3.0271	0.047364	-0.0115	-0.00575	0.0005	0.0055218
1e+13	2.9355	2.9608	2.9972	0.026031	2.9441	2.9675	3.0062	0.026874	0.004	0.006675	0.009	0.0024998

Device Test: 5.105; PROPD_SR_UVLO

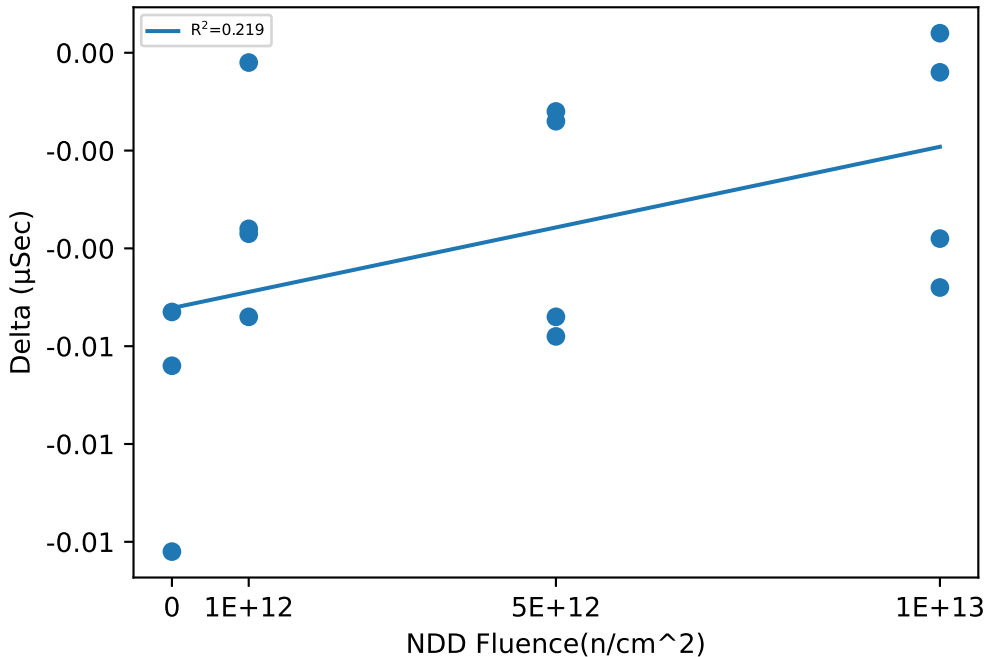
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0092	1.0056	-0.0036
315	1e+12	NDD Unbiased	1.0044	1.0007	-0.0037
316	1e+12	NDD Unbiased	0.9984	0.9982	-0.0002
317	1e+12	NDD Unbiased	1.0031	0.9977	-0.0054
318	5e+12	NDD Unbiased	1.0299	1.0241	-0.0058
319	5e+12	NDD Unbiased	1.0006	0.9994	-0.0012
320	5e+12	NDD Unbiased	1.0139	1.0125	-0.0014
321	5e+12	NDD Unbiased	1.0313	1.0259	-0.0054
322	1e+13	NDD Unbiased	1.0185	1.0137	-0.0048
323	1e+13	NDD Unbiased	1.0125	1.0087	-0.0038
324	1e+13	NDD Unbiased	1.0292	1.0288	-0.0004
325	1e+13	NDD Unbiased	1.0044	1.0048	0.0004
326	0	Correlation	1.0432	1.0368	-0.0064
327	0	Correlation	1.017	1.0117	-0.0053
328	0	Correlation	1.0197	1.0095	-0.0102

NDD vs Post - Pre Exposure Delta

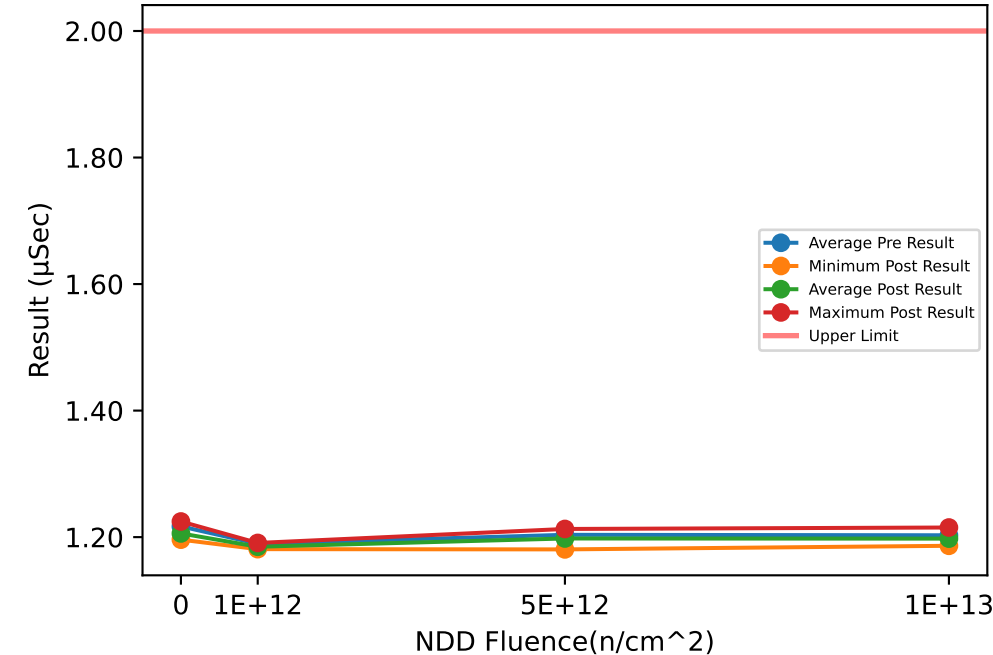


Test Statistics (µSec)

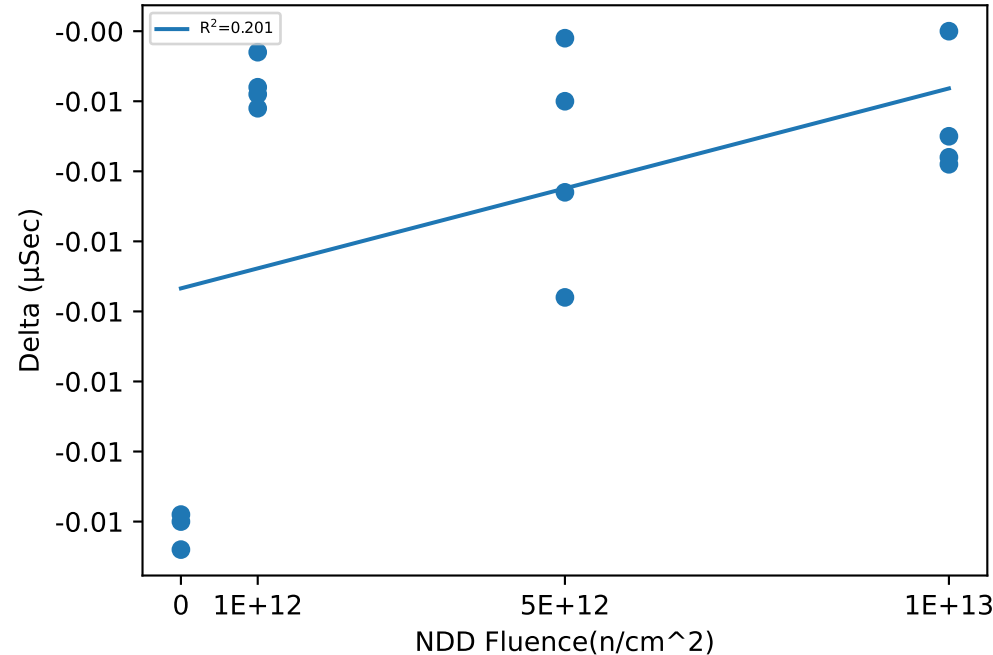
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.017	1.0266	1.0432	0.014411	1.0095	1.0193	1.0368	0.015167	-0.0102	-0.0073	-0.0053	0.002571
1e+12	0.9984	1.0038	1.0092	0.004441	0.9977	1.0006	1.0056	0.0036134	-0.0054	-0.003225	-0.0002	0.0021793
5e+12	1.0006	1.0189	1.0313	0.014545	0.9994	1.0155	1.0259	0.012252	-0.0058	-0.00345	-0.0012	0.0024893
1e+13	1.0044	1.0161	1.0292	0.010444	1.0048	1.014	1.0288	0.010518	-0.0048	-0.00215	0.0004	0.0025371

Device Test: 5.106; PROPD_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (µSec))

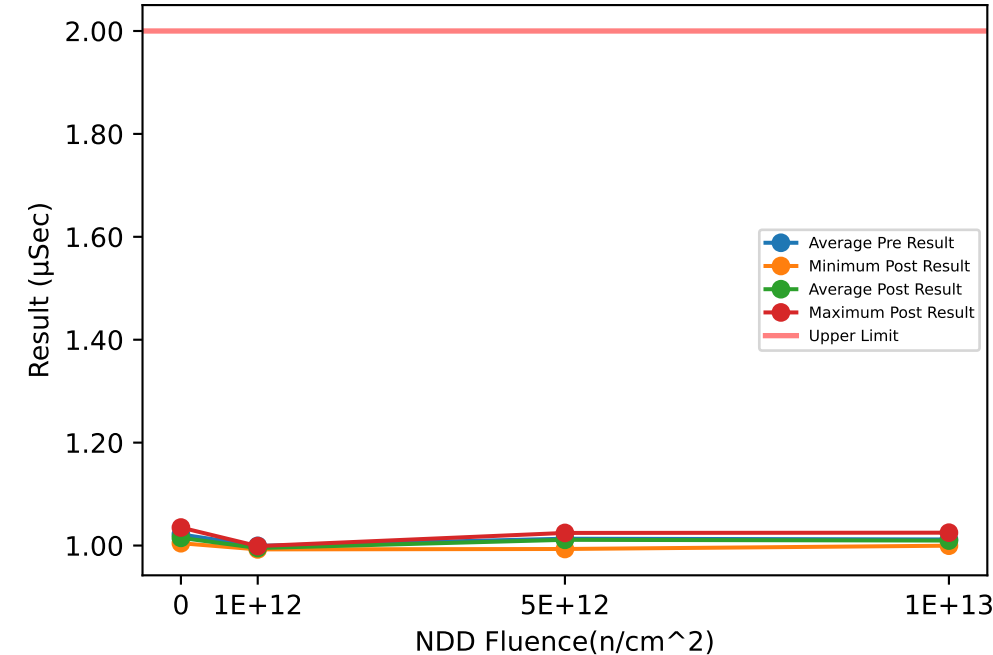
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1951	1.1908	-0.0043
315	1e+12	NDD Unbiased	1.1904	1.1856	-0.0048
316	1e+12	NDD Unbiased	1.1859	1.181	-0.0049
317	1e+12	NDD Unbiased	1.1869	1.1818	-0.0051
318	5e+12	NDD Unbiased	1.2109	1.2031	-0.0078
319	5e+12	NDD Unbiased	1.1847	1.1806	-0.0041
320	5e+12	NDD Unbiased	1.1998	1.1948	-0.005
321	5e+12	NDD Unbiased	1.2192	1.2129	-0.0063
322	1e+13	NDD Unbiased	1.2025	1.1966	-0.0059
323	1e+13	NDD Unbiased	1.1979	1.1924	-0.0055
324	1e+13	NDD Unbiased	1.2192	1.2152	-0.004
325	1e+13	NDD Unbiased	1.1921	1.1863	-0.0058
326	0	Correlation	1.2361	1.2247	-0.0114
327	0	Correlation	1.207	1.196	-0.011
328	0	Correlation	1.2077	1.1968	-0.0109

Test Statistics (µSec)

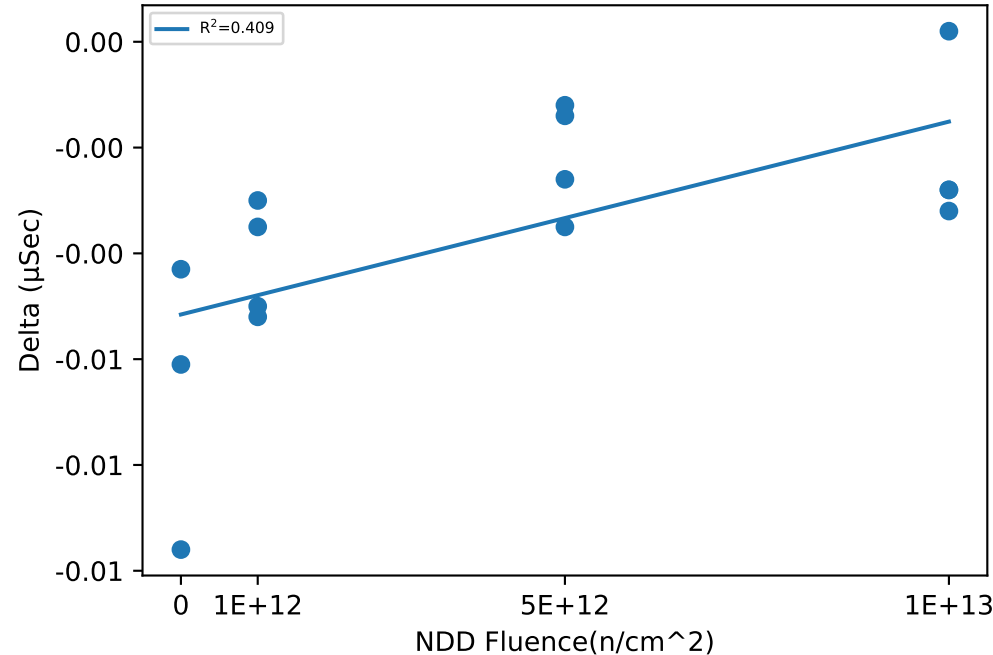
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.207	1.2169	1.2361	0.016603	1.196	1.2058	1.2247	0.016344	-0.0114	-0.0111	-0.0109	0.00026458
1e+12	1.1859	1.1896	1.1951	0.004158	1.181	1.1848	1.1908	0.0044751	-0.0051	-0.004775	-0.0043	0.00034034
5e+12	1.1847	1.2037	1.2192	0.014925	1.1806	1.1979	1.2129	0.013674	-0.0078	-0.0058	-0.0041	0.0016104
1e+13	1.1921	1.2029	1.2192	0.011655	1.1863	1.1976	1.2152	0.012456	-0.0059	-0.0053	-0.004	0.00088318

Device Test: 5.107; PROPD_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (µSec))

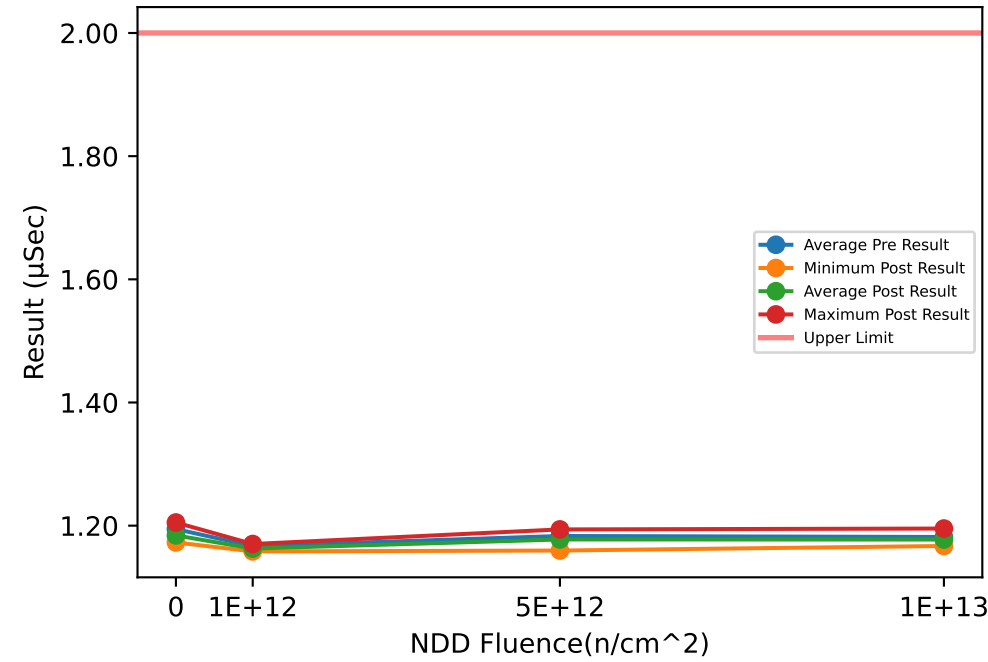
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0041	0.9989	-0.0052
315	1e+12	NDD Unbiased	0.9997	0.9947	-0.005
316	1e+12	NDD Unbiased	0.996	0.9925	-0.0035
317	1e+12	NDD Unbiased	0.9975	0.9945	-0.003
318	5e+12	NDD Unbiased	1.0231	1.0205	-0.0026
319	5e+12	NDD Unbiased	0.9945	0.9933	-0.0012
320	5e+12	NDD Unbiased	1.0096	1.0061	-0.0035
321	5e+12	NDD Unbiased	1.0259	1.0245	-0.0014
322	1e+13	NDD Unbiased	1.012	1.0092	-0.0028
323	1e+13	NDD Unbiased	1.0079	1.0047	-0.0032
324	1e+13	NDD Unbiased	1.0248	1.025	0.0002
325	1e+13	NDD Unbiased	1.0025	0.9997	-0.0028
326	0	Correlation	1.0393	1.035	-0.0043
327	0	Correlation	1.0114	1.0053	-0.0061
328	0	Correlation	1.0141	1.0045	-0.0096

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0114	1.0216	1.0393	0.015388	1.0045	1.0149	1.035	0.017383	-0.0096	-0.0066667	-0.0043	0.0026951
1e+12	0.996	0.99933	1.0041	0.0035274	0.9925	0.99515	0.9989	0.0026901	-0.0052	-0.004175	-0.003	0.0010905
5e+12	0.9945	1.0133	1.0259	0.014398	0.9933	1.0111	1.0245	0.014257	-0.0035	-0.002175	-0.0012	0.0010782
1e+13	1.0025	1.0118	1.0248	0.0094998	0.9997	1.0096	1.025	0.010944	-0.0032	-0.00215	0.0002	0.001578

Device Test: 5.108; PROPD_SR_UVLO

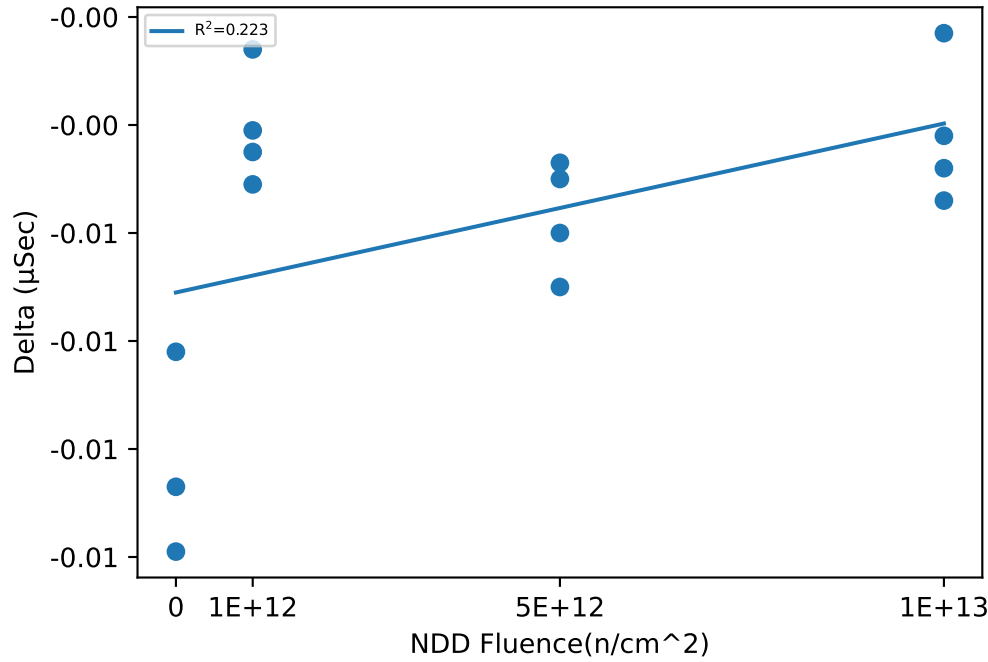
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1728	1.1702	-0.0026
315	1e+12	NDD Unbiased	1.1676	1.1631	-0.0045
316	1e+12	NDD Unbiased	1.1623	1.1582	-0.0041
317	1e+12	NDD Unbiased	1.1647	1.1596	-0.0051
318	5e+12	NDD Unbiased	1.1889	1.1819	-0.007
319	5e+12	NDD Unbiased	1.1656	1.1596	-0.006
320	5e+12	NDD Unbiased	1.1798	1.1748	-0.005
321	5e+12	NDD Unbiased	1.1986	1.1939	-0.0047
322	1e+13	NDD Unbiased	1.182	1.1772	-0.0048
323	1e+13	NDD Unbiased	1.1757	1.1703	-0.0054
324	1e+13	NDD Unbiased	1.1976	1.1953	-0.0023
325	1e+13	NDD Unbiased	1.1712	1.167	-0.0042
326	0	Correlation	1.2133	1.2051	-0.0082
327	0	Correlation	1.1855	1.1748	-0.0107
328	0	Correlation	1.1846	1.1727	-0.0119

NDD vs Post - Pre Exposure Delta

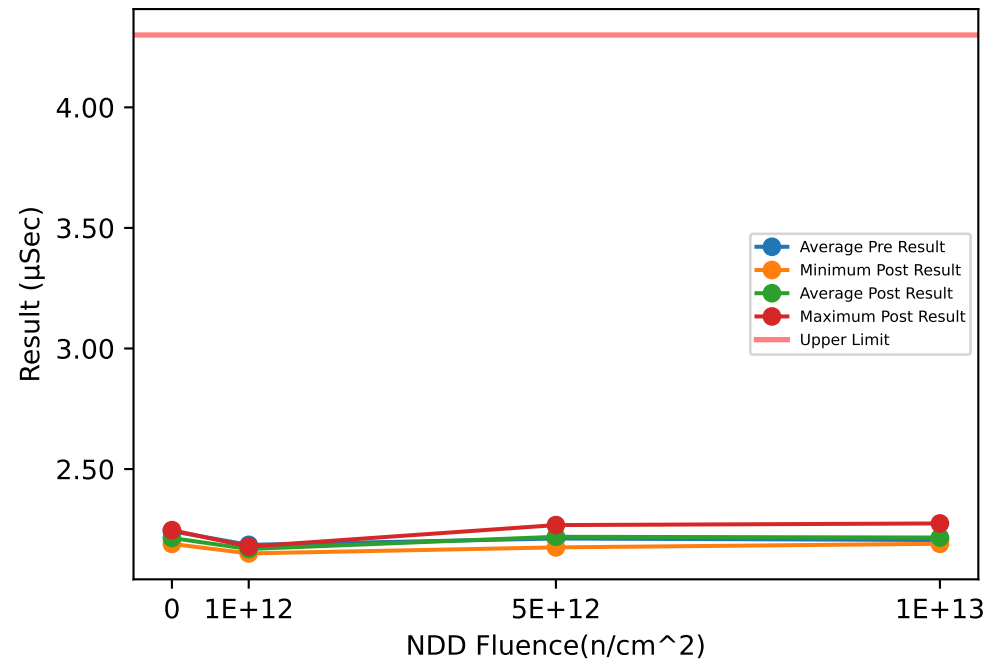


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1846	1.1945	1.2133	0.016316	1.1727	1.1842	1.2051	0.01813	-0.0119	-0.010267	-0.0082	0.0018877
1e+12	1.1623	1.1669	1.1728	0.00452	1.1582	1.1628	1.1702	0.0053618	-0.0051	-0.004075	-0.0026	0.0010658
5e+12	1.1656	1.1832	1.1986	0.014035	1.1596	1.1776	1.1939	0.01433	-0.007	-0.005675	-0.0047	0.0010436
1e+13	1.1712	1.1816	1.1976	0.011534	1.167	1.1774	1.1953	0.012636	-0.0054	-0.004175	-0.0023	0.0013426

Device Test: 5.11; PROPD_RESET

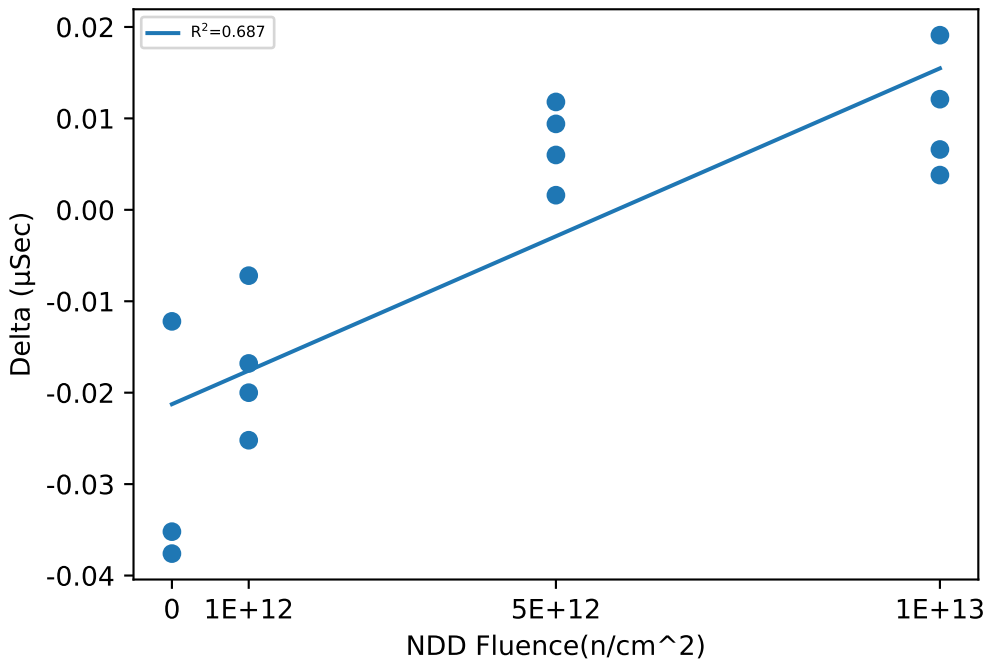
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.1978	2.1726	-0.0252
315	1e+12	NDD Unbiased	2.1954	2.1786	-0.0168
316	1e+12	NDD Unbiased	2.1703	2.1503	-0.02
317	1e+12	NDD Unbiased	2.1798	2.1726	-0.0072
318	5e+12	NDD Unbiased	2.2299	2.2359	0.006
319	5e+12	NDD Unbiased	2.1736	2.1752	0.0016
320	5e+12	NDD Unbiased	2.1887	2.1981	0.0094
321	5e+12	NDD Unbiased	2.2559	2.2677	0.0118
322	1e+13	NDD Unbiased	2.1931	2.2052	0.0121
323	1e+13	NDD Unbiased	2.1836	2.1902	0.0066
324	1e+13	NDD Unbiased	2.2554	2.2745	0.0191
325	1e+13	NDD Unbiased	2.1906	2.1944	0.0038
326	0	Correlation	2.259	2.2468	-0.0122
327	0	Correlation	2.241	2.2058	-0.0352
328	0	Correlation	2.2272	2.1896	-0.0376

NDD vs Post - Pre Exposure Delta

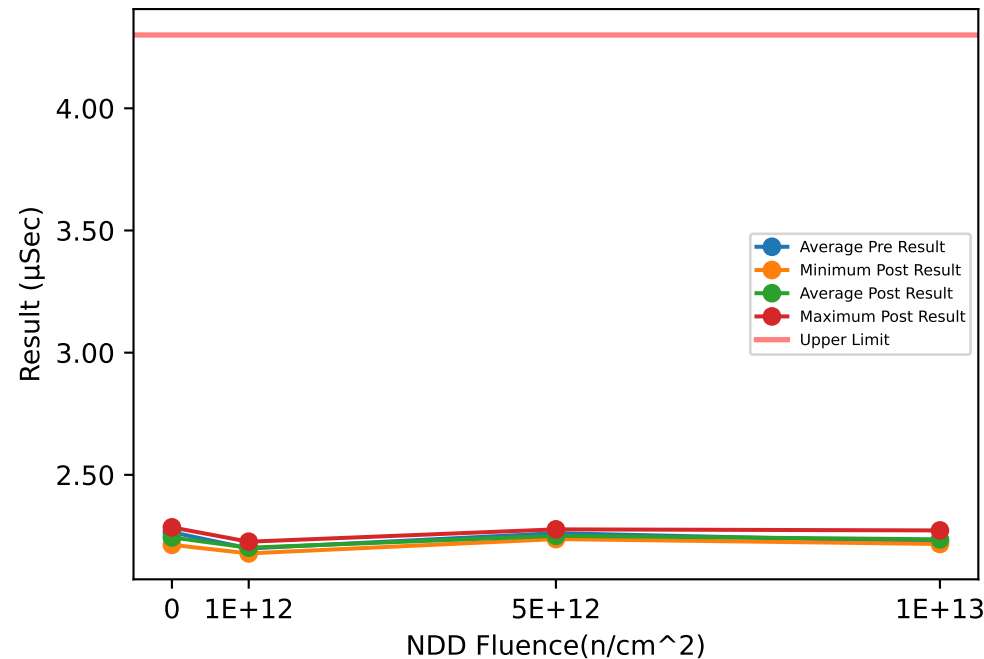


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2272	2.2424	2.259	0.015946	2.1896	2.2141	2.2468	0.029482	-0.0376	-0.028333	-0.0122	0.014023
1e+12	2.1703	2.1858	2.1978	0.013069	2.1503	2.1685	2.1786	0.012475	-0.0252	-0.0173	-0.0072	0.007571
5e+12	2.1736	2.212	2.2559	0.037705	2.1752	2.2192	2.2677	0.040875	0.0016	0.0072	0.0118	0.0044272
1e+13	2.1836	2.2057	2.2554	0.033393	2.1902	2.2161	2.2745	0.039459	0.0038	0.0104	0.0191	0.0067473

Device Test: 5.12; PROPD_RESET

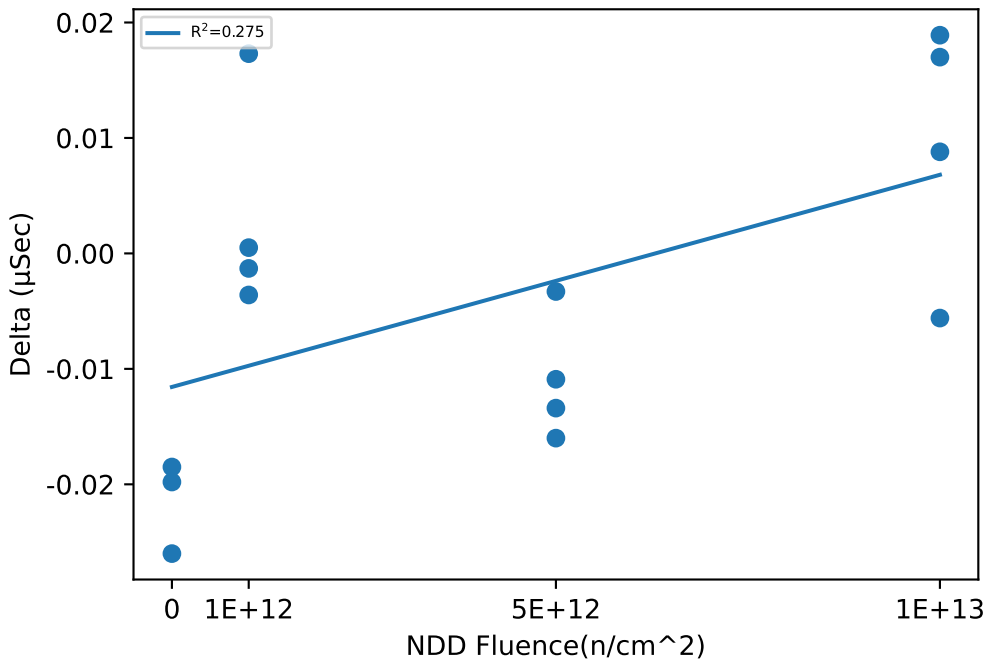
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.1821	2.1785	-0.0036
315	1e+12	NDD Unbiased	2.209	2.2263	0.0173
316	1e+12	NDD Unbiased	2.1889	2.1876	-0.0013
317	1e+12	NDD Unbiased	2.2143	2.2148	0.0005
318	5e+12	NDD Unbiased	2.248	2.2371	-0.0109
319	5e+12	NDD Unbiased	2.242	2.2387	-0.0033
320	5e+12	NDD Unbiased	2.2615	2.2481	-0.0134
321	5e+12	NDD Unbiased	2.2929	2.2769	-0.016
322	1e+13	NDD Unbiased	2.2098	2.2287	0.0189
323	1e+13	NDD Unbiased	2.2089	2.2259	0.017
324	1e+13	NDD Unbiased	2.2781	2.2725	-0.0056
325	1e+13	NDD Unbiased	2.2082	2.217	0.0088
326	0	Correlation	2.3036	2.2851	-0.0185
327	0	Correlation	2.2588	2.2328	-0.026
328	0	Correlation	2.2334	2.2136	-0.0198

NDD vs Post - Pre Exposure Delta

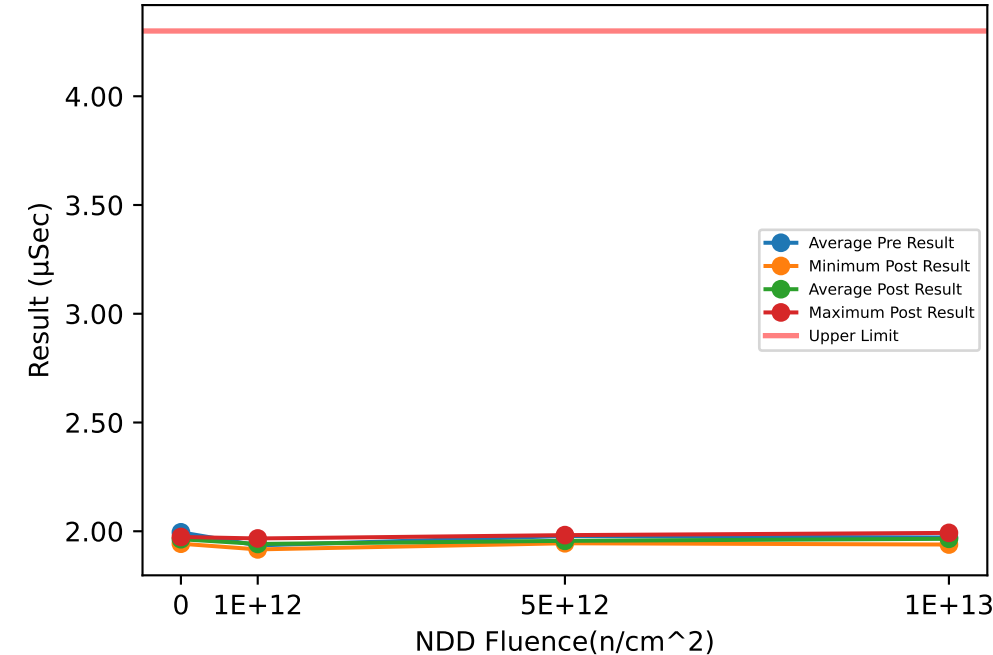


Test Statistics (µSec)

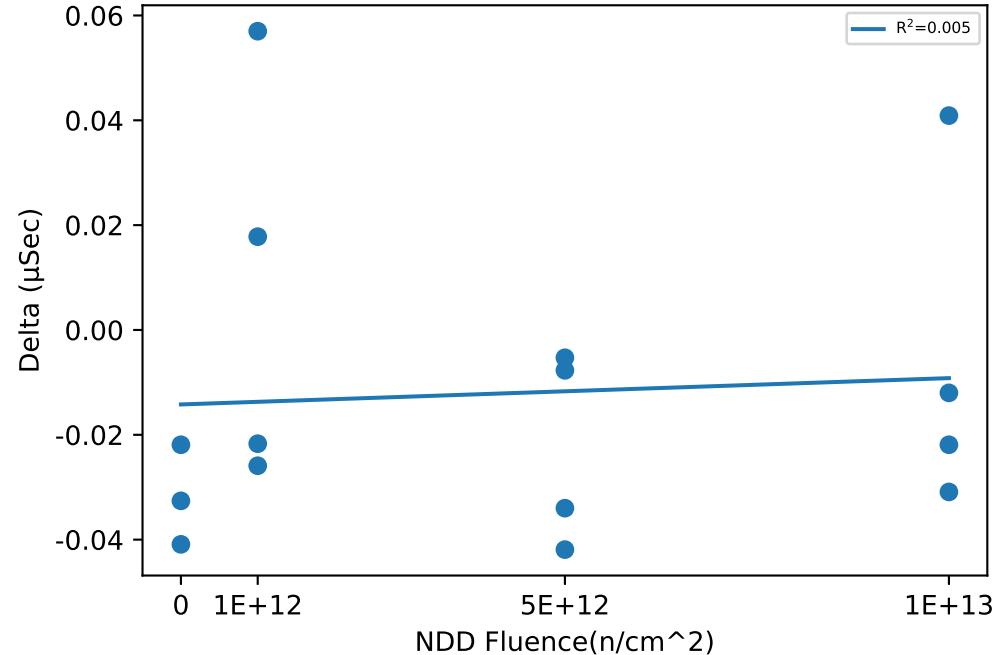
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2334	2.2653	2.3036	0.035544	2.2136	2.2438	2.2851	0.037005	-0.026	-0.021433	-0.0185	0.0040079
1e+12	2.1821	2.1986	2.2143	0.015503	2.1785	2.2018	2.2263	0.022463	-0.0036	0.003225	0.0173	0.0095322
5e+12	2.242	2.2611	2.2929	0.022714	2.2371	2.2502	2.2769	0.01845	-0.016	-0.0109	-0.0033	0.0054778
1e+13	2.2082	2.2262	2.2781	0.034573	2.217	2.236	2.2725	0.024823	-0.0056	0.009775	0.0189	0.011148

Device Test: 5.13; PROPD_PWRGD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

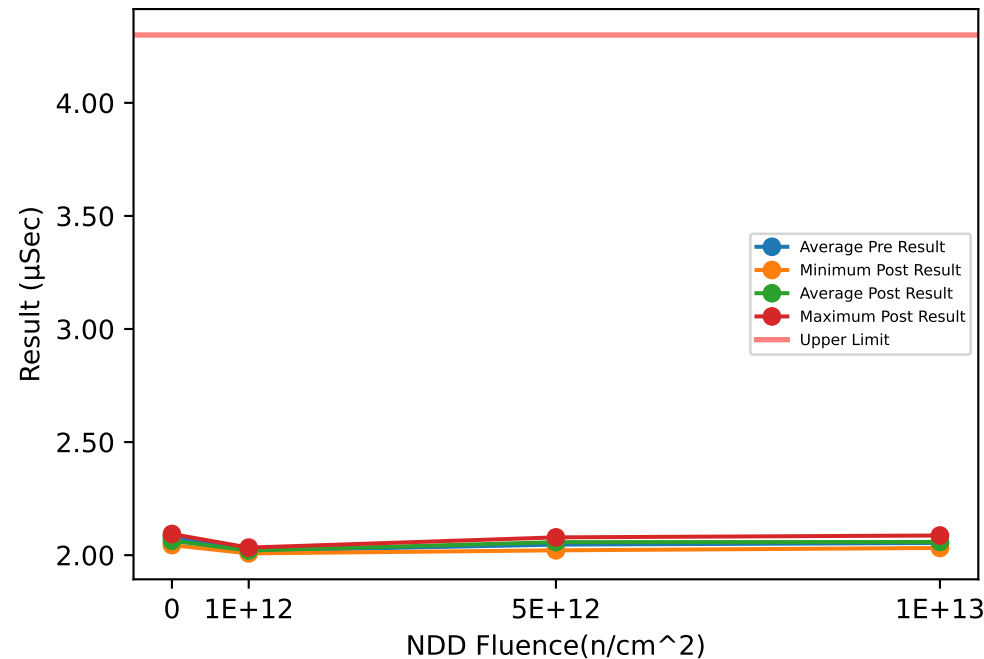
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.9636	1.9419	-0.0217
315	1e+12	NDD Unbiased	1.9236	1.9414	0.0178
316	1e+12	NDD Unbiased	1.9425	1.9166	-0.0259
317	1e+12	NDD Unbiased	1.9099	1.9669	0.057
318	5e+12	NDD Unbiased	1.9826	1.9486	-0.034
319	5e+12	NDD Unbiased	1.9501	1.9448	-0.0053
320	5e+12	NDD Unbiased	1.9558	1.9481	-0.0077
321	5e+12	NDD Unbiased	2.0241	1.9822	-0.0419
322	1e+13	NDD Unbiased	1.9609	1.939	-0.0219
323	1e+13	NDD Unbiased	1.9274	1.9683	0.0409
324	1e+13	NDD Unbiased	2.0045	1.9925	-0.012
325	1e+13	NDD Unbiased	1.9922	1.9613	-0.0309
326	0	Correlation	2.0143	1.9734	-0.0409
327	0	Correlation	1.9957	1.9738	-0.0219
328	0	Correlation	1.9754	1.9428	-0.0326

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9754	1.9951	2.0143	0.019456	1.9428	1.9633	1.9738	0.017784	-0.0409	-0.0318	-0.0219	0.0095252
1e+12	1.9099	1.9349	1.9636	0.023339	1.9166	1.9417	1.9669	0.020536	-0.0259	0.0068	0.057	0.038827
5e+12	1.9501	1.9781	2.0241	0.033752	1.9448	1.9559	1.9822	0.017598	-0.0419	-0.022225	-0.0053	0.018468
1e+13	1.9274	1.9712	2.0045	0.034518	1.939	1.9653	1.9925	0.022034	-0.0309	-0.005975	0.0409	0.032189

Device Test: 5.14; PROPD_RESET

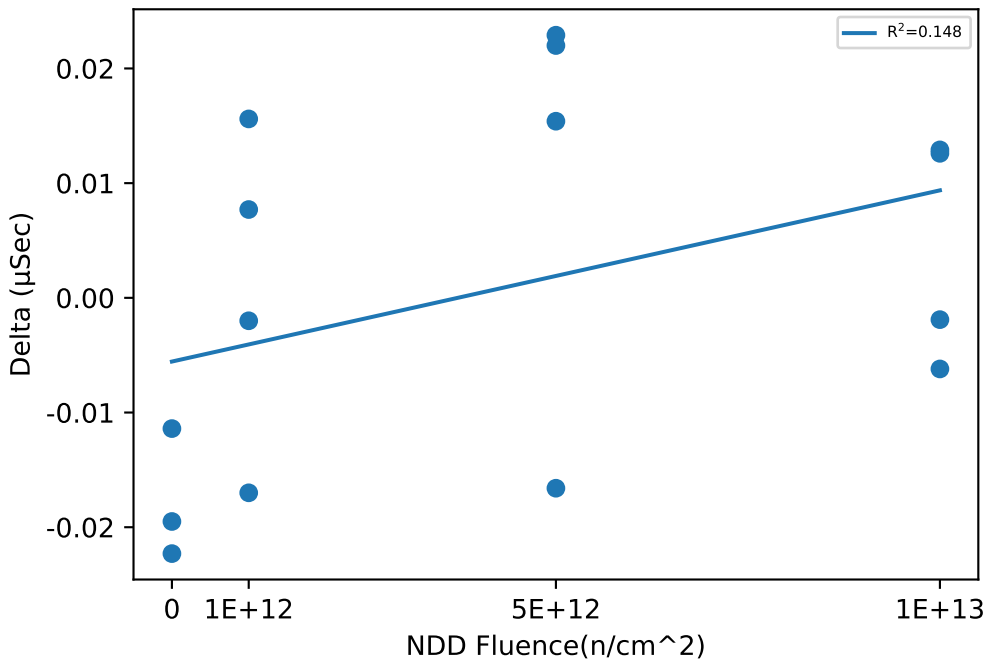
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.0139	2.0119	-0.002
315	1e+12	NDD Unbiased	2.0257	2.0334	0.0077
316	1e+12	NDD Unbiased	2.0126	2.0282	0.0156
317	1e+12	NDD Unbiased	2.0248	2.0078	-0.017
318	5e+12	NDD Unbiased	2.0558	2.0787	0.0229
319	5e+12	NDD Unbiased	2.0379	2.0213	-0.0166
320	5e+12	NDD Unbiased	2.0331	2.0551	0.022
321	5e+12	NDD Unbiased	2.0598	2.0752	0.0154
322	1e+13	NDD Unbiased	2.0499	2.0628	0.0129
323	1e+13	NDD Unbiased	2.0192	2.0318	0.0126
324	1e+13	NDD Unbiased	2.0889	2.087	-0.0019
325	1e+13	NDD Unbiased	2.0574	2.0512	-0.0062
326	0	Correlation	2.1159	2.0936	-0.0223
327	0	Correlation	2.0635	2.0521	-0.0114
328	0	Correlation	2.0639	2.0444	-0.0195

NDD vs Post - Pre Exposure Delta

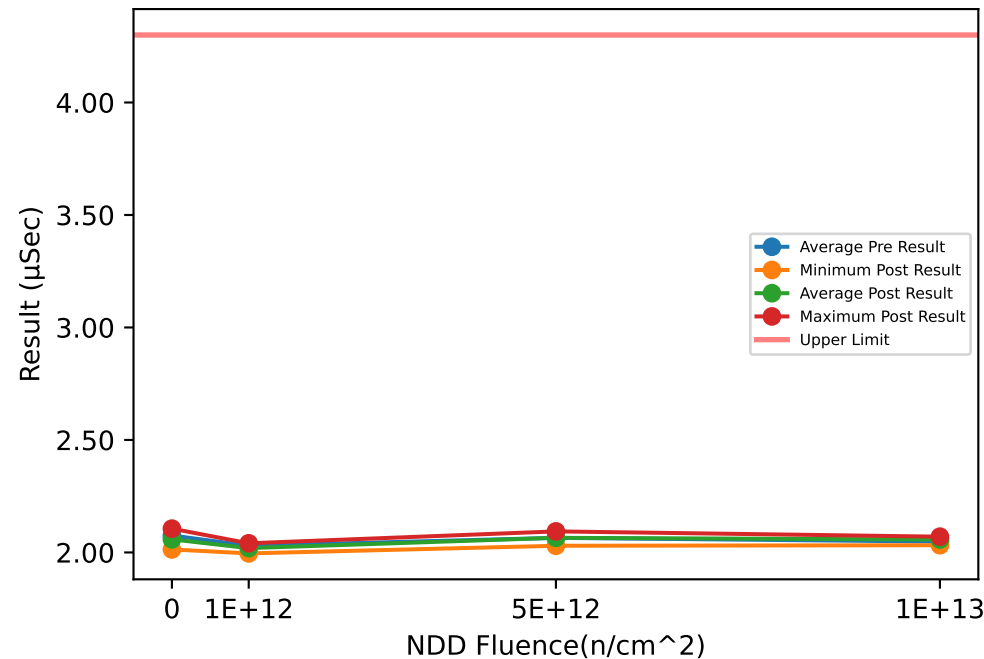


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0635	2.0811	2.1159	0.030138	2.0444	2.0634	2.0936	0.026464	-0.0223	-0.017733	-0.0114	0.0056607
1e+12	2.0126	2.0192	2.0257	0.0069582	2.0078	2.0203	2.0334	0.012394	-0.017	0.001075	0.0156	0.014036
5e+12	2.0331	2.0467	2.0598	0.013125	2.0213	2.0576	2.0787	0.026324	-0.0166	0.010925	0.0229	0.018652
1e+13	2.0192	2.0539	2.0889	0.02862	2.0318	2.0582	2.087	0.023069	-0.0062	0.00435	0.0129	0.0098578

Device Test: 5.15; PROPD_RESET

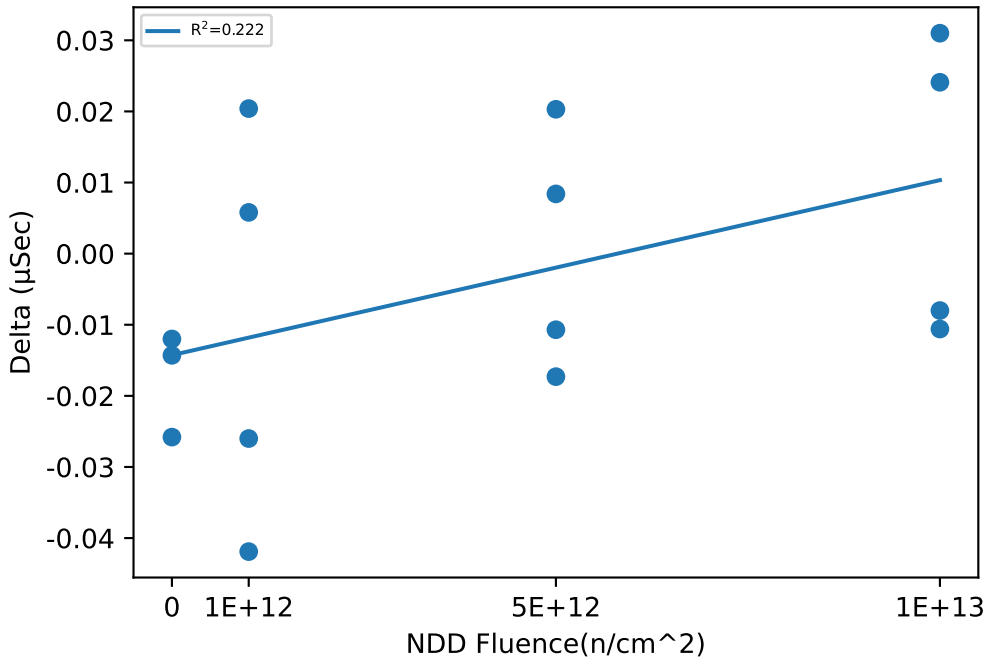
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.0443	2.0183	-0.026
315	1e+12	NDD Unbiased	2.0164	2.0222	0.0058
316	1e+12	NDD Unbiased	2.0377	1.9958	-0.0419
317	1e+12	NDD Unbiased	2.0203	2.0407	0.0204
318	5e+12	NDD Unbiased	2.0799	2.0626	-0.0173
319	5e+12	NDD Unbiased	2.0213	2.0297	0.0084
320	5e+12	NDD Unbiased	2.054	2.0743	0.0203
321	5e+12	NDD Unbiased	2.1043	2.0936	-0.0107
322	1e+13	NDD Unbiased	2.0343	2.0584	0.0241
323	1e+13	NDD Unbiased	2.0402	2.0322	-0.008
324	1e+13	NDD Unbiased	2.0807	2.0701	-0.0106
325	1e+13	NDD Unbiased	2.0384	2.0694	0.031
326	0	Correlation	2.1178	2.1058	-0.012
327	0	Correlation	2.0695	2.0552	-0.0143
328	0	Correlation	2.0392	2.0134	-0.0258

NDD vs Post - Pre Exposure Delta

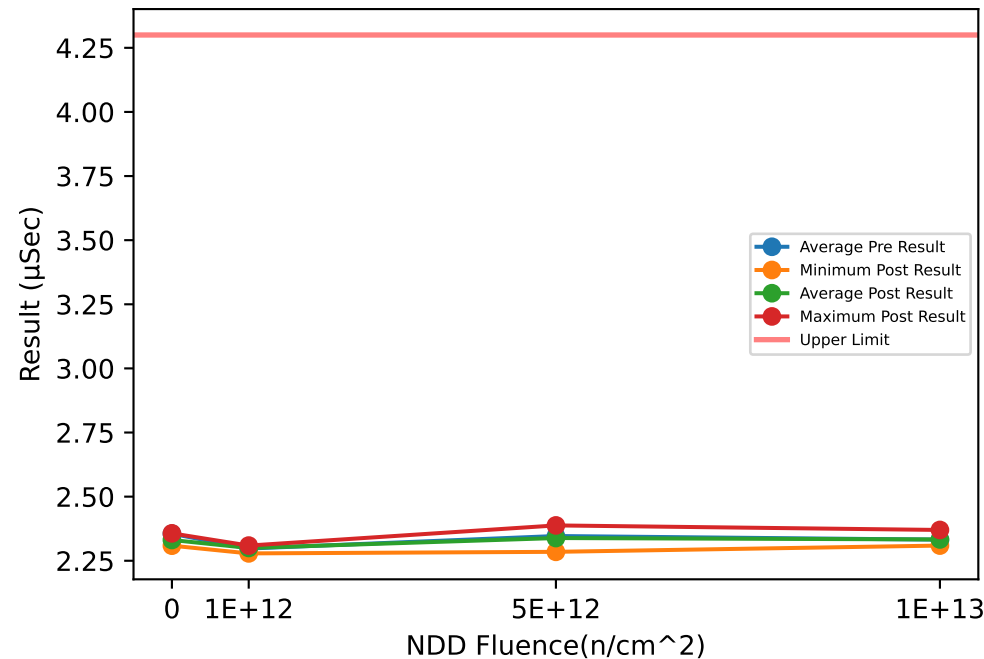


Test Statistics (µSec)

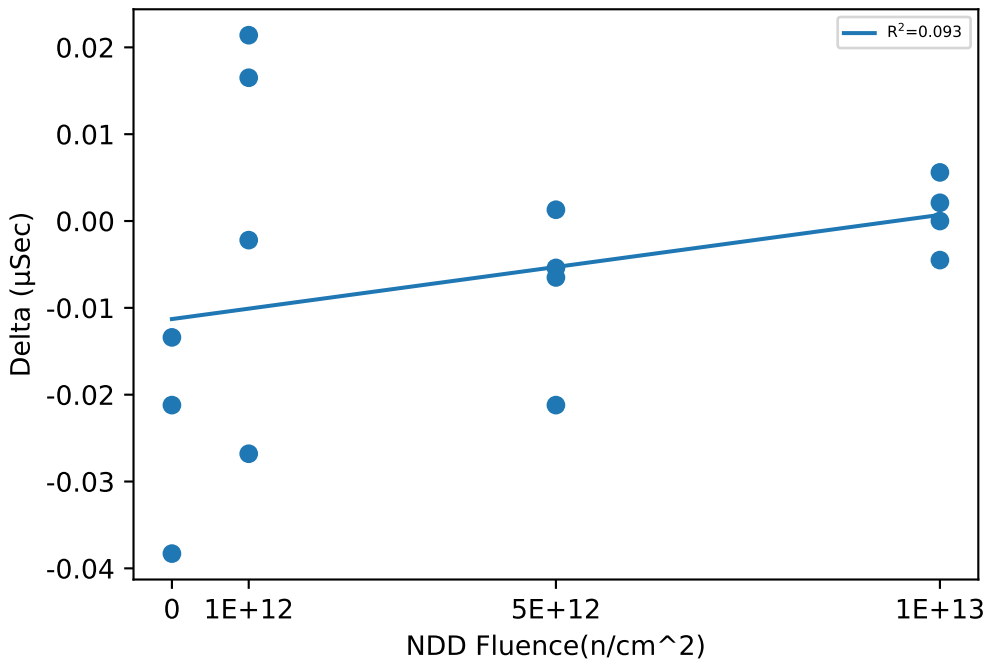
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0392	2.0755	2.1178	0.039642	2.0134	2.0581	2.1058	0.04627	-0.0258	-0.017367	-0.012	0.0073935
1e+12	2.0164	2.0297	2.0443	0.013446	1.9958	2.0192	2.0407	0.018436	-0.0419	-0.010425	0.0204	0.028558
5e+12	2.0213	2.0649	2.1043	0.035577	2.0297	2.0651	2.0936	0.02681	-0.0173	0.000175	0.0203	0.017285
1e+13	2.0343	2.0484	2.0807	0.021674	2.0322	2.0575	2.0701	0.017713	-0.0106	0.009125	0.031	0.021487

Device Test: 5.16; PROPD_RESET

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

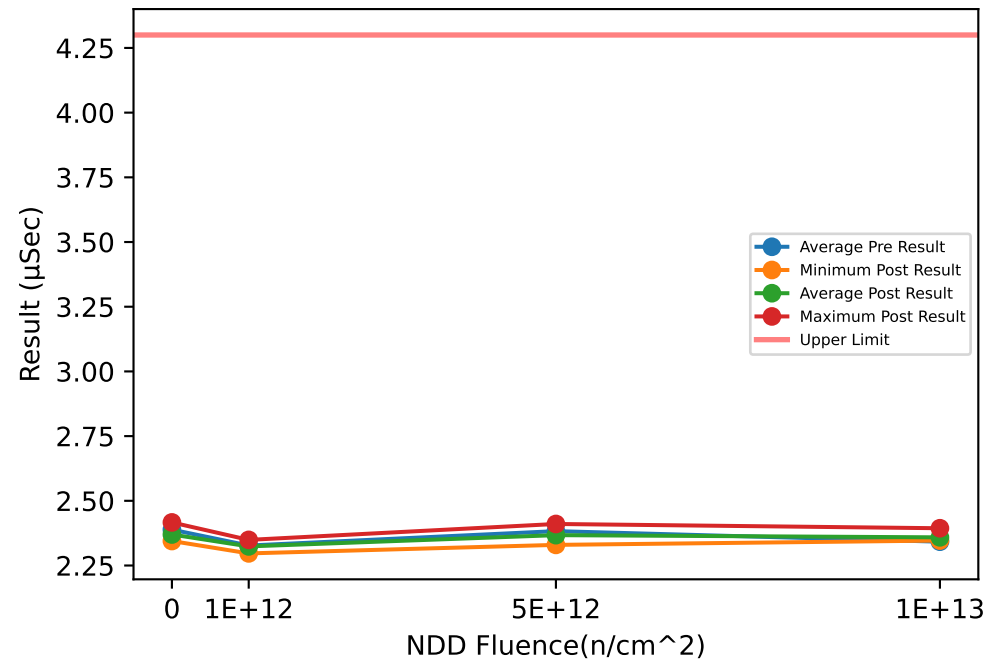
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.3114	2.3092	-0.0022
315	1e+12	NDD Unbiased	2.2879	2.3044	0.0165
316	1e+12	NDD Unbiased	2.2857	2.3071	0.0214
317	1e+12	NDD Unbiased	2.3055	2.2787	-0.0268
318	5e+12	NDD Unbiased	2.3693	2.3706	0.0013
319	5e+12	NDD Unbiased	2.2913	2.2848	-0.0065
320	5e+12	NDD Unbiased	2.3322	2.311	-0.0212
321	5e+12	NDD Unbiased	2.3932	2.3878	-0.0054
322	1e+13	NDD Unbiased	2.328	2.3235	-0.0045
323	1e+13	NDD Unbiased	2.3239	2.3295	0.0056
324	1e+13	NDD Unbiased	2.3701	2.3701	0
325	1e+13	NDD Unbiased	2.3071	2.3092	0.0021
326	0	Correlation	2.3952	2.3569	-0.0383
327	0	Correlation	2.3407	2.3273	-0.0134
328	0	Correlation	2.33	2.3088	-0.0212

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.33	2.3553	2.3952	0.034966	2.3088	2.331	2.3569	0.024263	-0.0383	-0.0243	-0.0134	0.012736
1e+12	2.2857	2.2976	2.3114	0.012761	2.2787	2.2999	2.3092	0.014236	-0.0268	0.002225	0.0214	0.021859
5e+12	2.2913	2.3465	2.3932	0.044543	2.2848	2.3386	2.3878	0.048651	-0.0212	-0.00795	0.0013	0.0094821
1e+13	2.3071	2.3323	2.3701	0.026789	2.3092	2.3331	2.3701	0.026111	-0.0045	0.0008	0.0056	0.0042214

Device Test: 5.17; PROPD_RESET

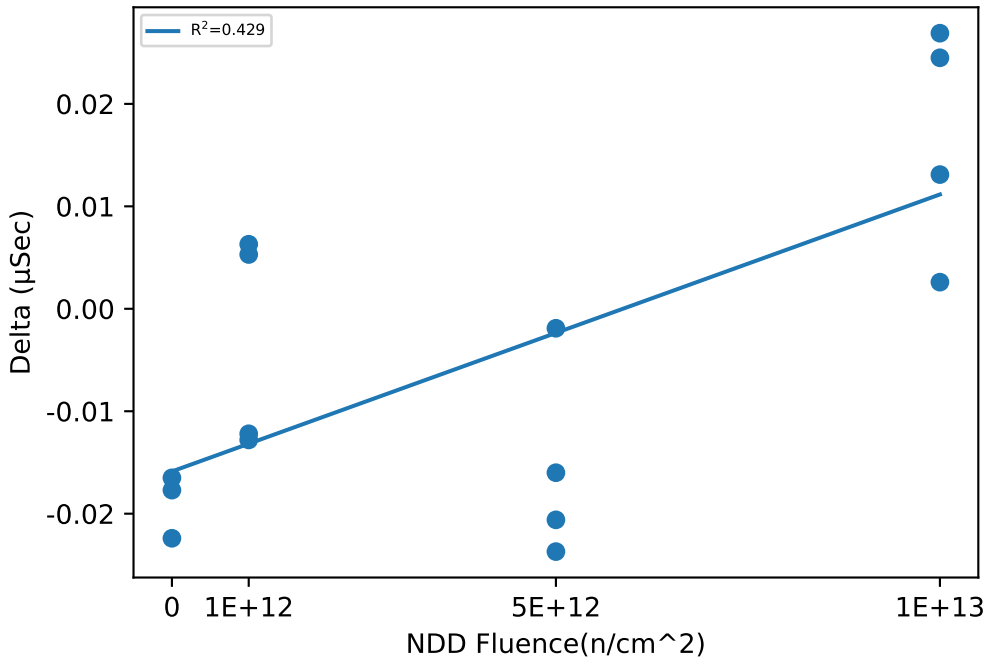
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.3096	2.2968	-0.0128
315	1e+12	NDD Unbiased	2.3427	2.349	0.0063
316	1e+12	NDD Unbiased	2.3283	2.3161	-0.0122
317	1e+12	NDD Unbiased	2.3281	2.3334	0.0053
318	5e+12	NDD Unbiased	2.391	2.3704	-0.0206
319	5e+12	NDD Unbiased	2.3457	2.3297	-0.016
320	5e+12	NDD Unbiased	2.3823	2.3586	-0.0237
321	5e+12	NDD Unbiased	2.4124	2.4105	-0.0019
322	1e+13	NDD Unbiased	2.3457	2.3483	0.0026
323	1e+13	NDD Unbiased	2.3221	2.3466	0.0245
324	1e+13	NDD Unbiased	2.3809	2.394	0.0131
325	1e+13	NDD Unbiased	2.3195	2.3464	0.0269
326	0	Correlation	2.433	2.4165	-0.0165
327	0	Correlation	2.3708	2.3484	-0.0224
328	0	Correlation	2.3623	2.3446	-0.0177

NDD vs Post - Pre Exposure Delta

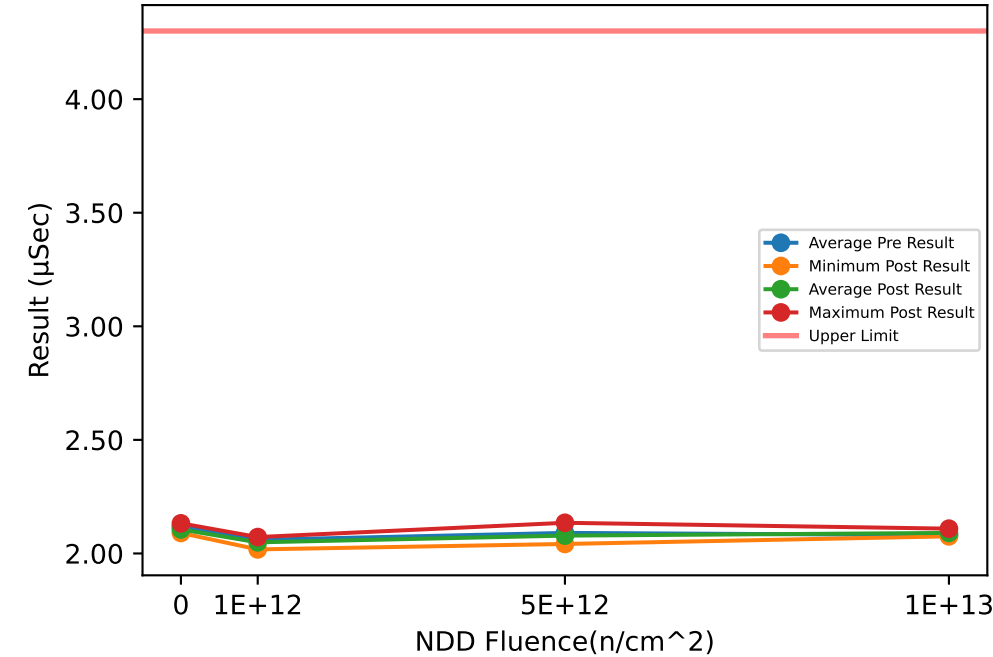


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.3623	2.3887	2.433	0.0386	2.3446	2.3698	2.4165	0.040459	-0.0224	-0.018867	-0.0165	0.0031182
1e+12	2.3096	2.3272	2.3427	0.013565	2.2968	2.3238	2.349	0.022476	-0.0128	-0.00335	0.0063	0.010576
5e+12	2.3457	2.3828	2.4124	0.027809	2.3297	2.3673	2.4105	0.033493	-0.0237	-0.01555	-0.0019	0.0096341
1e+13	2.3195	2.342	2.3809	0.028456	2.3464	2.3588	2.394	0.023465	0.0026	0.016775	0.0269	0.011205

Device Test: 5.18; PROPD_PWRGD

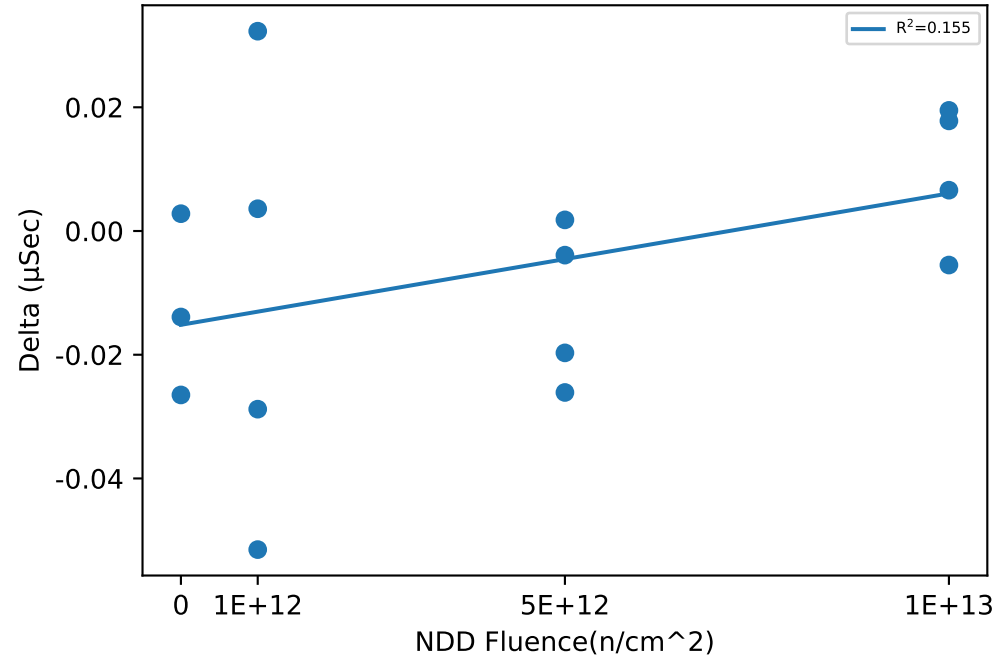
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.0399	2.0722	0.0323
315	1e+12	NDD Unbiased	2.0878	2.059	-0.0288
316	1e+12	NDD Unbiased	2.0694	2.0179	-0.0515
317	1e+12	NDD Unbiased	2.043	2.0466	0.0036
318	5e+12	NDD Unbiased	2.0946	2.0685	-0.0261
319	5e+12	NDD Unbiased	2.0615	2.0418	-0.0197
320	5e+12	NDD Unbiased	2.0729	2.069	-0.0039
321	5e+12	NDD Unbiased	2.1332	2.135	0.0018
322	1e+13	NDD Unbiased	2.0688	2.0754	0.0066
323	1e+13	NDD Unbiased	2.0897	2.1092	0.0195
324	1e+13	NDD Unbiased	2.098	2.0925	-0.0055
325	1e+13	NDD Unbiased	2.0667	2.0845	0.0178
326	0	Correlation	2.1298	2.1326	0.0028
327	0	Correlation	2.1085	2.0946	-0.0139
328	0	Correlation	2.1167	2.0902	-0.0265

NDD vs Post - Pre Exposure Delta

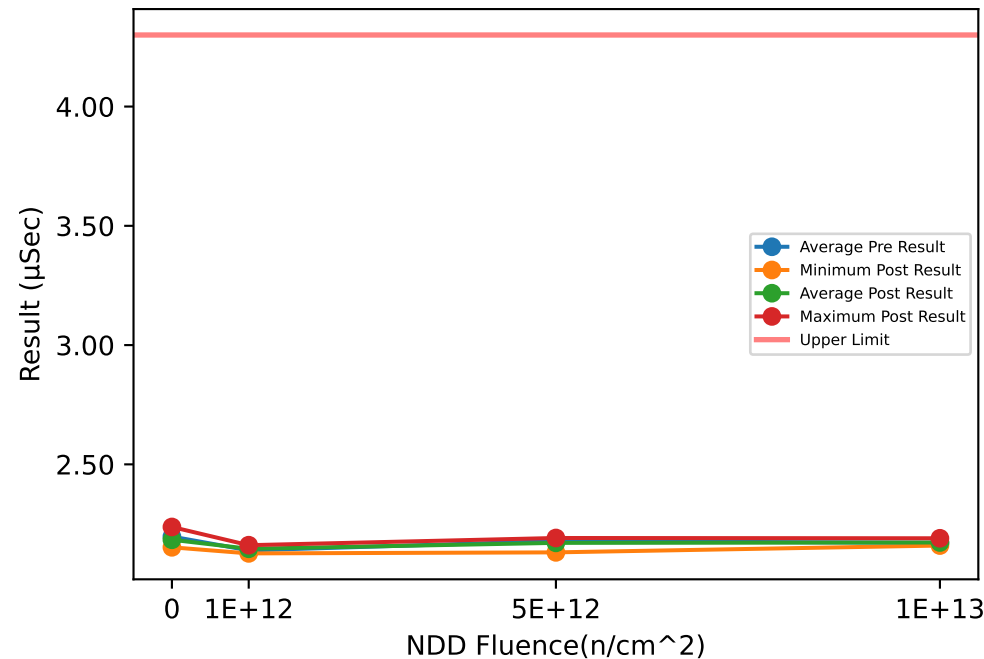


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1085	2.1183	2.1298	0.010744	2.0902	2.1058	2.1326	0.023314	-0.0265	-0.012533	0.0028	0.014698
1e+12	2.0399	2.06	2.0878	0.022761	2.0179	2.0489	2.0722	0.023175	-0.0515	-0.0111	0.0323	0.03672
5e+12	2.0615	2.0905	2.1332	0.031575	2.0418	2.0786	2.135	0.039705	-0.0261	-0.011975	0.0018	0.013091
1e+13	2.0667	2.0808	2.098	0.015469	2.0754	2.0904	2.1092	0.014349	-0.0055	0.0096	0.0195	0.01158

Device Test: 5.19; PROPD_RESET

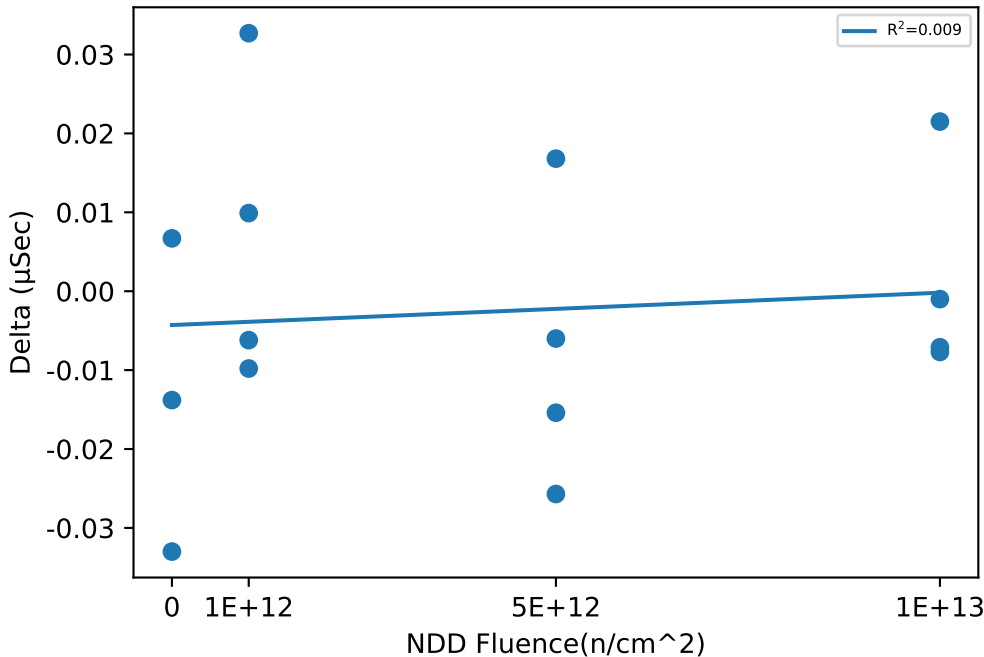
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.1432	2.137	-0.0062
315	1e+12	NDD Unbiased	2.1284	2.1611	0.0327
316	1e+12	NDD Unbiased	2.1496	2.1595	0.0099
317	1e+12	NDD Unbiased	2.1365	2.1267	-0.0098
318	5e+12	NDD Unbiased	2.1973	2.1913	-0.006
319	5e+12	NDD Unbiased	2.1567	2.131	-0.0257
320	5e+12	NDD Unbiased	2.1595	2.1763	0.0168
321	5e+12	NDD Unbiased	2.2002	2.1848	-0.0154
322	1e+13	NDD Unbiased	2.1696	2.1686	-0.001
323	1e+13	NDD Unbiased	2.1381	2.1596	0.0215
324	1e+13	NDD Unbiased	2.1972	2.1901	-0.0071
325	1e+13	NDD Unbiased	2.179	2.1713	-0.0077
326	0	Correlation	2.2308	2.2375	0.0067
327	0	Correlation	2.1852	2.1522	-0.033
328	0	Correlation	2.1757	2.1619	-0.0138

NDD vs Post - Pre Exposure Delta

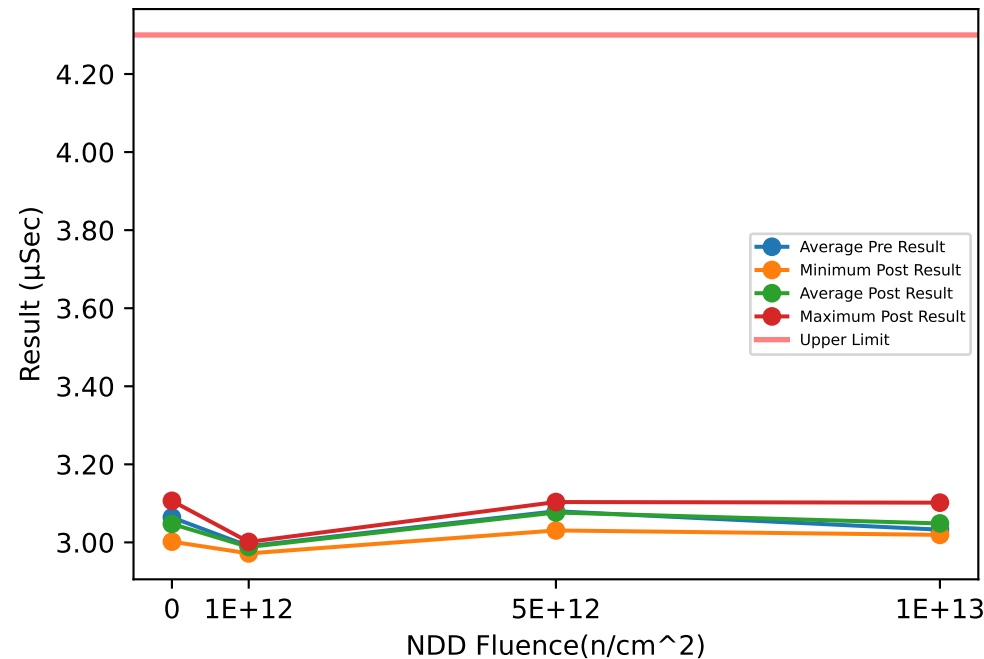


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1757	2.1972	2.2308	0.029455	2.1522	2.1839	2.2375	0.0467	-0.033	-0.013367	0.0067	0.019854
1e+12	2.1284	2.1394	2.1496	0.0090901	2.1267	2.1461	2.1611	0.016968	-0.0098	0.00665	0.0327	0.019364
5e+12	2.1567	2.1784	2.2002	0.023527	2.131	2.1708	2.1913	0.027267	-0.0257	-0.007575	0.0168	0.018133
1e+13	2.1381	2.171	2.1972	0.024731	2.1596	2.1724	2.1901	0.012816	-0.0077	0.001425	0.0215	0.013721

Device Test: 5.2; PROPD_RESET

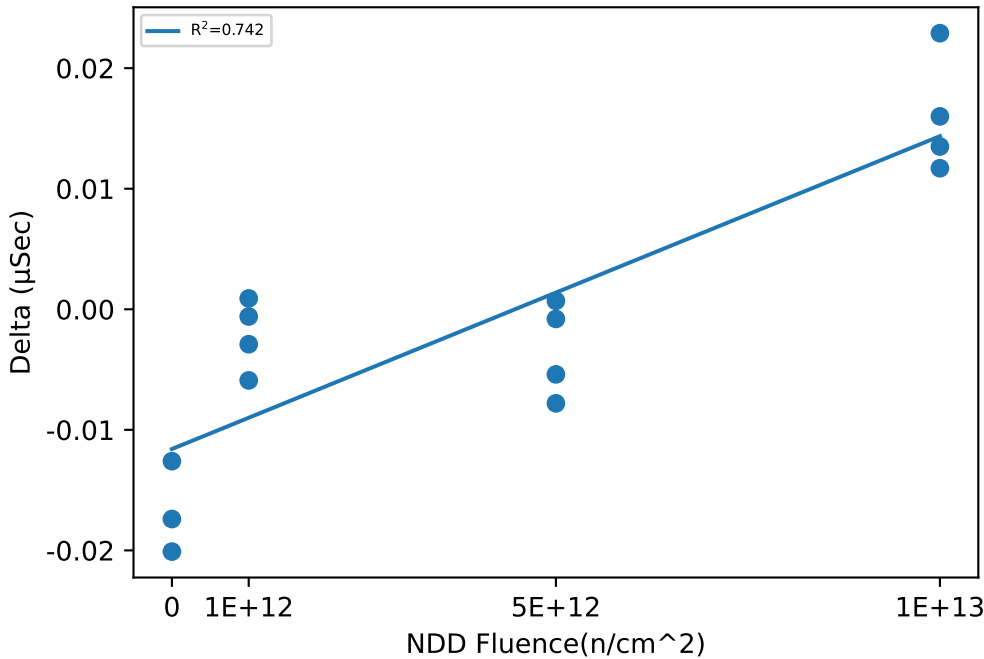
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.9724	2.9718	-0.0006
315	1e+12	NDD Unbiased	3.0003	3.0012	0.0009
316	1e+12	NDD Unbiased	2.9864	2.9805	-0.0059
317	1e+12	NDD Unbiased	3.0024	2.9995	-0.0029
318	5e+12	NDD Unbiased	3.0872	3.0879	0.0007
319	5e+12	NDD Unbiased	3.0384	3.0306	-0.0078
320	5e+12	NDD Unbiased	3.0897	3.0843	-0.0054
321	5e+12	NDD Unbiased	3.1042	3.1034	-0.0008
322	1e+13	NDD Unbiased	3.0324	3.0441	0.0117
323	1e+13	NDD Unbiased	3.0033	3.0193	0.016
324	1e+13	NDD Unbiased	3.0789	3.1018	0.0229
325	1e+13	NDD Unbiased	3.0156	3.0291	0.0135
326	0	Correlation	3.1191	3.1065	-0.0126
327	0	Correlation	3.0511	3.0337	-0.0174
328	0	Correlation	3.022	3.0019	-0.0201

NDD vs Post - Pre Exposure Delta

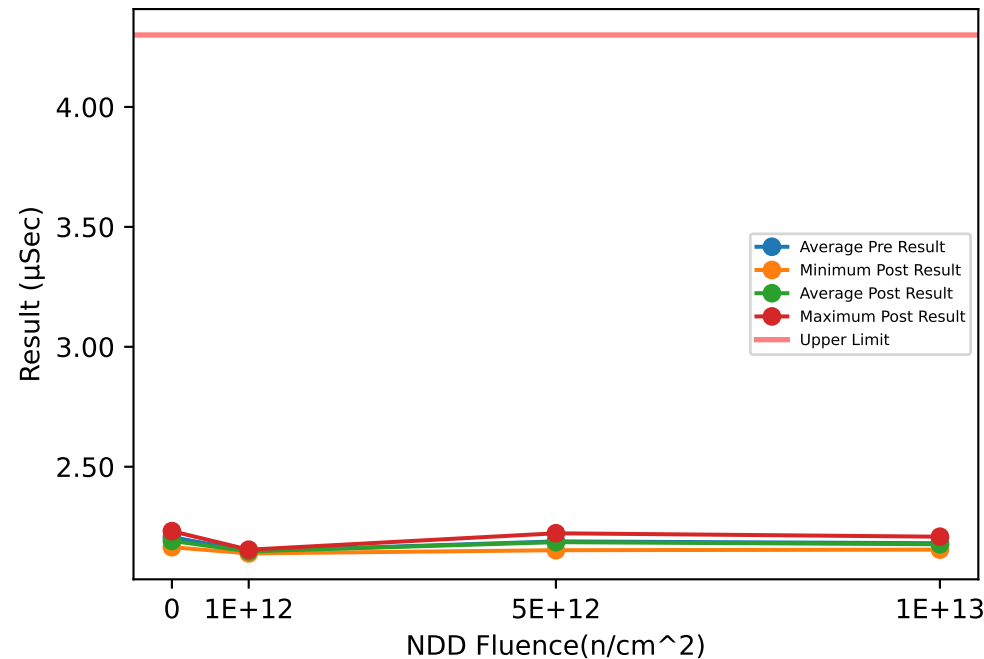


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.022	3.0641	3.1191	0.049832	3.0019	3.0474	3.1065	0.053623	-0.0201	-0.0167	-0.0126	0.0037987
1e+12	2.9724	2.9904	3.0024	0.013928	2.9718	2.9882	3.0012	0.014433	-0.0059	-0.002125	0.0009	0.0029624
5e+12	3.0384	3.0799	3.1042	0.028648	3.0306	3.0766	3.1034	0.031734	-0.0078	-0.003325	0.0007	0.0039542
1e+13	3.0033	3.0326	3.0789	0.033122	3.0193	3.0486	3.1018	0.03692	0.0117	0.016025	0.0229	0.0049108

Device Test: 5.20; PROPD_RESET

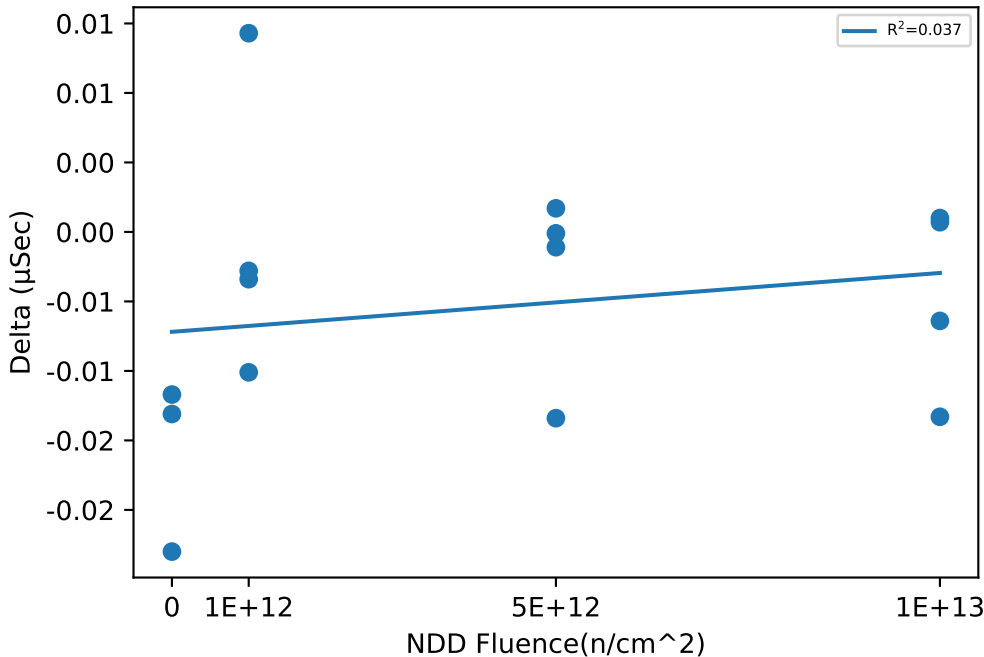
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.1415	2.1387	-0.0028
315	1e+12	NDD Unbiased	2.1337	2.148	0.0143
316	1e+12	NDD Unbiased	2.1514	2.148	-0.0034
317	1e+12	NDD Unbiased	2.1642	2.1541	-0.0101
318	5e+12	NDD Unbiased	2.1948	2.1814	-0.0134
319	5e+12	NDD Unbiased	2.1503	2.152	0.0017
320	5e+12	NDD Unbiased	2.1874	2.1863	-0.0011
321	5e+12	NDD Unbiased	2.2227	2.2226	-0.0001
322	1e+13	NDD Unbiased	2.1671	2.1678	0.0007
323	1e+13	NDD Unbiased	2.1677	2.1544	-0.0133
324	1e+13	NDD Unbiased	2.2073	2.2083	0.001
325	1e+13	NDD Unbiased	2.1824	2.176	-0.0064
326	0	Correlation	2.2447	2.2316	-0.0131
327	0	Correlation	2.1875	2.1758	-0.0117
328	0	Correlation	2.1875	2.1645	-0.023

NDD vs Post - Pre Exposure Delta

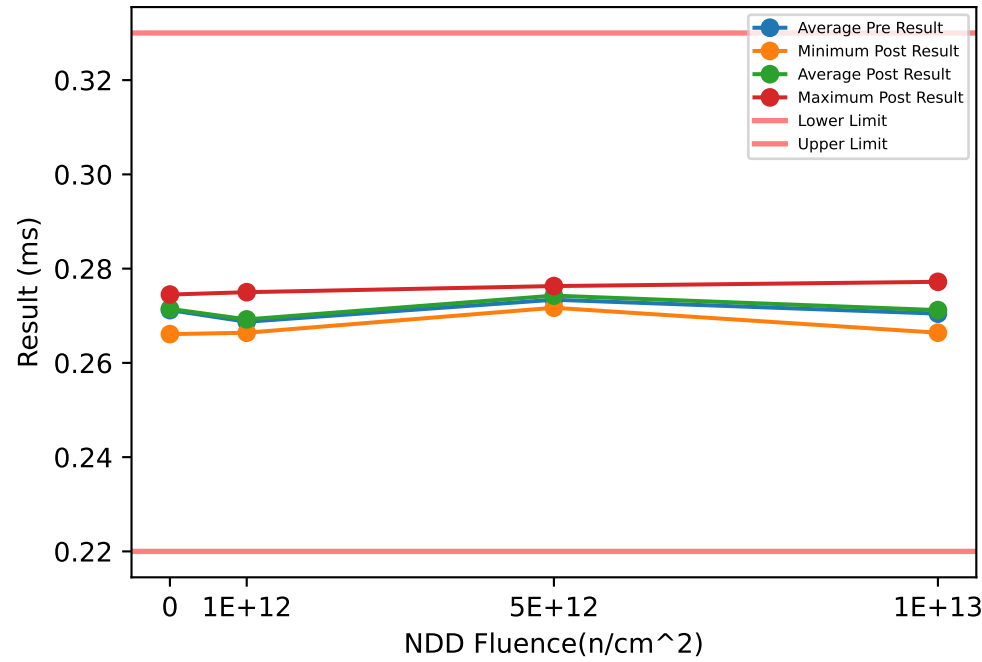


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1875	2.2066	2.2447	0.033024	2.1645	2.1906	2.2316	0.035925	-0.023	-0.015933	-0.0117	0.0061598
1e+12	2.1337	2.1477	2.1642	0.01317	2.1387	2.1472	2.1541	0.0063545	-0.0101	-0.0005	0.0143	0.010407
5e+12	2.1503	2.1888	2.2227	0.02983	2.152	2.1856	2.2226	0.02896	-0.0134	-0.003225	0.0017	0.0068816
1e+13	2.1671	2.1811	2.2073	0.01883	2.1544	2.1766	2.2083	0.022917	-0.0133	-0.0045	0.001	0.0067907

Device Test: 5.21; DLY_TMR_10KOHM

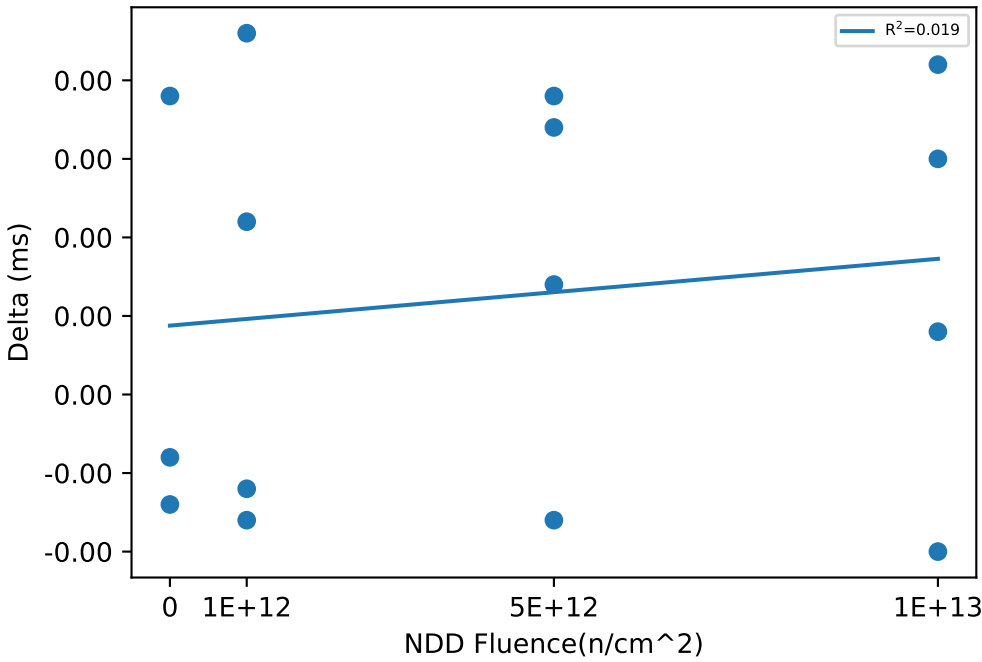
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2649	0.2672	0.0023
315	1e+12	NDD Unbiased	0.2653	0.2664	0.0011
316	1e+12	NDD Unbiased	0.2756	0.275	-0.0006
317	1e+12	NDD Unbiased	0.2691	0.2683	-0.0008
318	5e+12	NDD Unbiased	0.2744	0.2763	0.0019
319	5e+12	NDD Unbiased	0.2752	0.2744	-0.0008
320	5e+12	NDD Unbiased	0.273	0.2747	0.0017
321	5e+12	NDD Unbiased	0.271	0.2717	0.0007
322	1e+13	NDD Unbiased	0.2744	0.2734	-0.001
323	1e+13	NDD Unbiased	0.2657	0.2678	0.0021
324	1e+13	NDD Unbiased	0.266	0.2664	0.0004
325	1e+13	NDD Unbiased	0.2757	0.2772	0.0015
326	0	Correlation	0.2642	0.2661	0.0019
327	0	Correlation	0.2745	0.2738	-0.0007
328	0	Correlation	0.2749	0.2745	-0.0004

NDD vs Post - Pre Exposure Delta

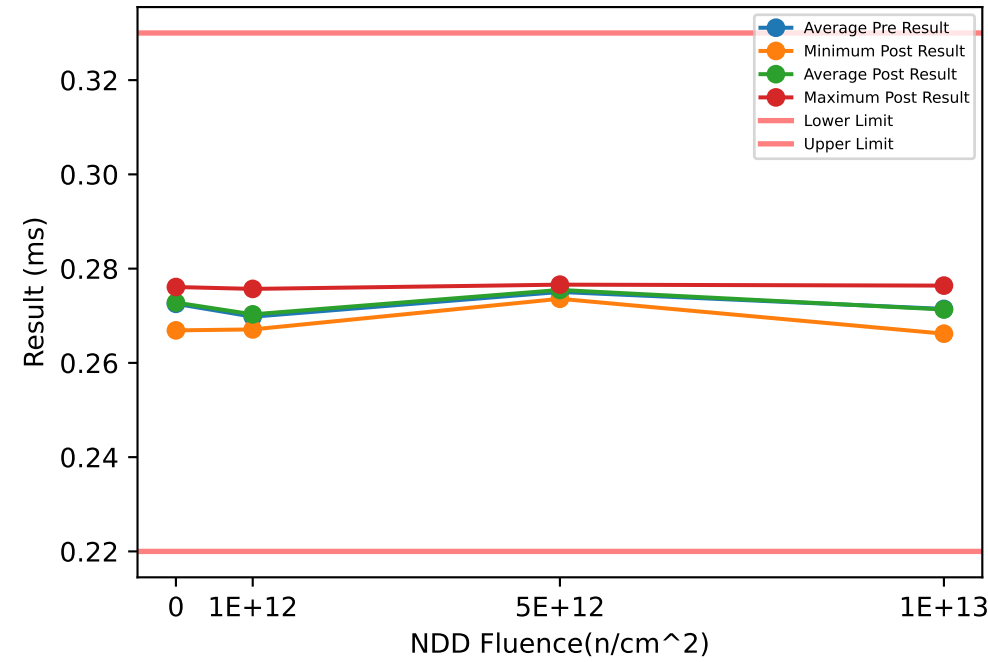


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2642	0.2712	0.2749	0.0060655	0.2661	0.27147	0.2745	0.0046608	-0.0007	0.00026667	0.0019	0.0014224
1e+12	0.2649	0.26872	0.2756	0.0049587	0.2664	0.26922	0.275	0.003928	-0.0008	0.0005	0.0023	0.001472
5e+12	0.271	0.2734	0.2752	0.0018403	0.2717	0.27427	0.2763	0.0019085	-0.0008	0.000875	0.0019	0.0012339
1e+13	0.2657	0.27045	0.2757	0.0053395	0.2664	0.2712	0.2772	0.0050146	-0.001	0.00075	0.0021	0.0013626

Device Test: 5.22; DLY_TMR_10KOHM

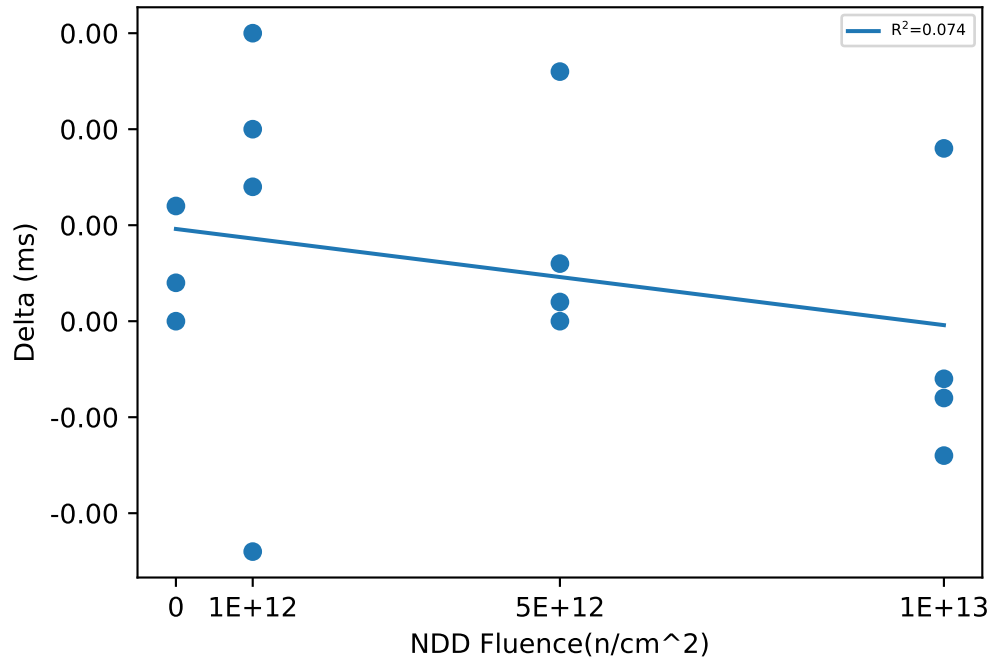
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2664	0.2671	0.0007
315	1e+12	NDD Unbiased	0.2663	0.2678	0.0015
316	1e+12	NDD Unbiased	0.2769	0.2757	-0.0012
317	1e+12	NDD Unbiased	0.2696	0.2706	0.001
318	5e+12	NDD Unbiased	0.2753	0.2766	0.0013
319	5e+12	NDD Unbiased	0.2759	0.2762	0.0003
320	5e+12	NDD Unbiased	0.2755	0.2755	0
321	5e+12	NDD Unbiased	0.2735	0.2736	0.0001
322	1e+13	NDD Unbiased	0.2752	0.2745	-0.0007
323	1e+13	NDD Unbiased	0.2673	0.2682	0.0009
324	1e+13	NDD Unbiased	0.2666	0.2662	-0.0004
325	1e+13	NDD Unbiased	0.2767	0.2764	-0.0003
326	0	Correlation	0.2667	0.2669	0.0002
327	0	Correlation	0.2748	0.2754	0.0006
328	0	Correlation	0.2761	0.2761	0

NDD vs Post - Pre Exposure Delta

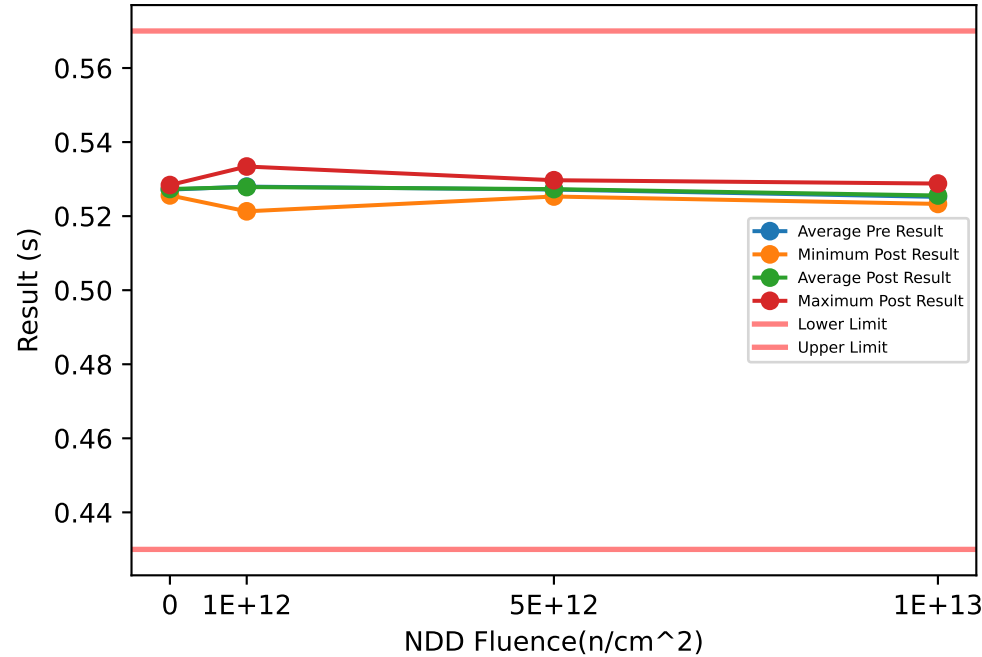


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2667	0.27253	0.2761	0.0050935	0.2669	0.2728	0.2761	0.0051215	0	0.00026667	0.0006	0.00030551
1e+12	0.2663	0.2698	0.2769	0.0049753	0.2671	0.2703	0.2757	0.0039047	-0.0012	0.0005	0.0015	0.0011804
5e+12	0.2735	0.27505	0.2759	0.001063	0.2736	0.27548	0.2766	0.0013301	0	0.000425	0.0013	0.00059652
1e+13	0.2666	0.27145	0.2767	0.0052399	0.2662	0.27132	0.2764	0.0048945	-0.0007	-0.000125	0.0009	0.00070415

Device Test: 5.23; WD_TMR_10KOHM

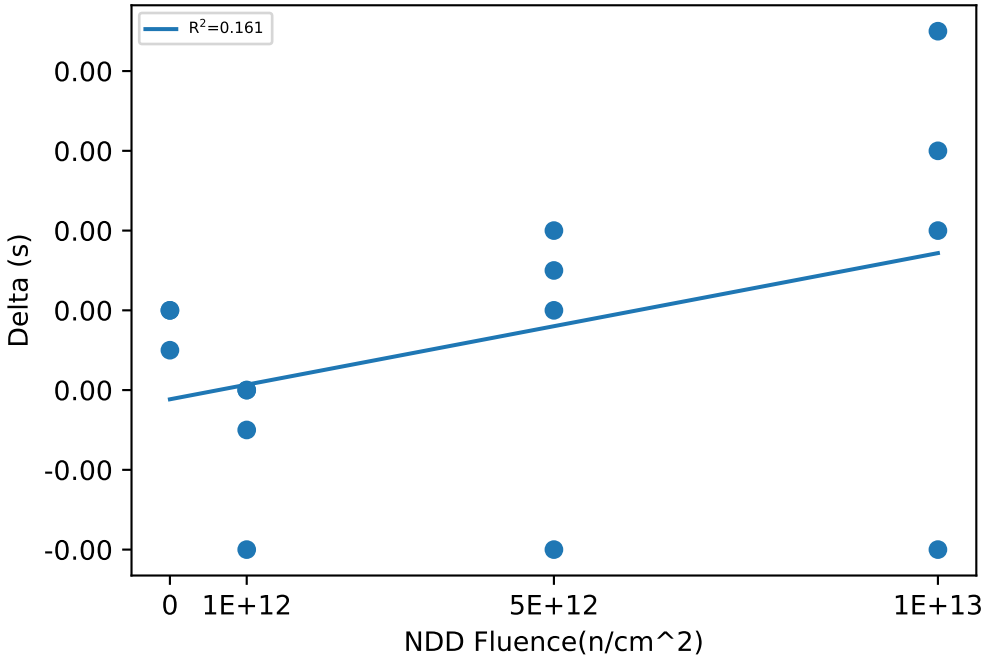
NDD vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.5319	0.5319	0
315	1e+12	NDD Unbiased	0.5338	0.5334	-0.0004
316	1e+12	NDD Unbiased	0.5249	0.5248	-0.0001
317	1e+12	NDD Unbiased	0.5213	0.5213	0
318	5e+12	NDD Unbiased	0.5294	0.5297	0.0003
319	5e+12	NDD Unbiased	0.5257	0.5253	-0.0004
320	5e+12	NDD Unbiased	0.5253	0.5257	0.0004
321	5e+12	NDD Unbiased	0.5283	0.5285	0.0002
322	1e+13	NDD Unbiased	0.5248	0.5244	-0.0004
323	1e+13	NDD Unbiased	0.5249	0.5258	0.0009
324	1e+13	NDD Unbiased	0.5229	0.5233	0.0004
325	1e+13	NDD Unbiased	0.5282	0.5288	0.0006
326	0	Correlation	0.5279	0.528	0.0001
327	0	Correlation	0.5254	0.5256	0.0002
328	0	Correlation	0.5282	0.5284	0.0002

NDD vs Post - Pre Exposure Delta

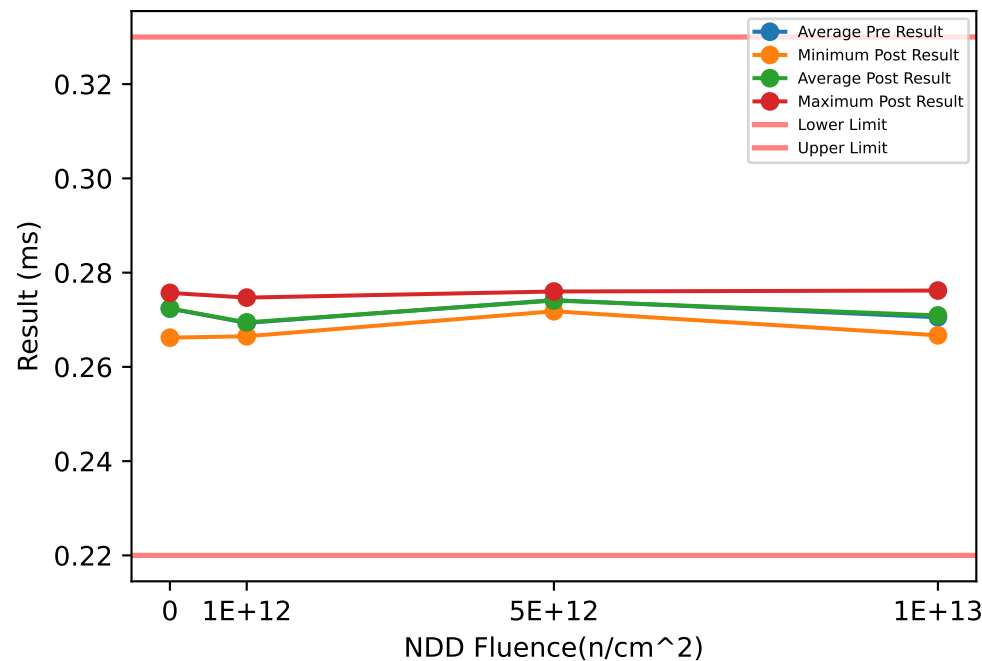


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5254	0.52717	0.5282	0.0015373	0.5256	0.52733	0.5284	0.0015144	0.0001	0.00016667	0.0002	5.7735e-05
1e+12	0.5213	0.52798	0.5338	0.0058693	0.5213	0.52785	0.5334	0.0057564	-0.0004	-0.000125	0	0.0001893
5e+12	0.5253	0.52717	0.5294	0.0019923	0.5253	0.5273	0.5297	0.0021417	-0.0004	0.000125	0.0004	0.0003594
1e+13	0.5229	0.5252	0.5282	0.0022015	0.5233	0.52558	0.5288	0.002381	-0.0004	0.000375	0.0009	0.00055603

Device Test: 5.24; DLY_TMR_10KOHM

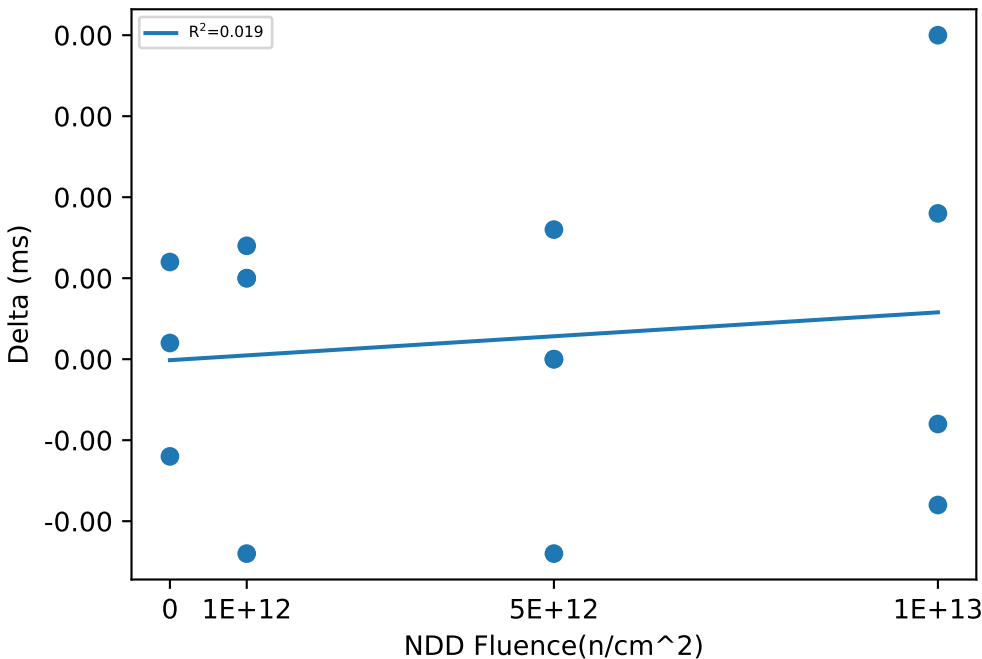
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2665	0.2672	0.0007
315	1e+12	NDD Unbiased	0.266	0.2665	0.0005
316	1e+12	NDD Unbiased	0.2759	0.2747	-0.0012
317	1e+12	NDD Unbiased	0.2689	0.2694	0.0005
318	5e+12	NDD Unbiased	0.276	0.276	0
319	5e+12	NDD Unbiased	0.2763	0.2751	-0.0012
320	5e+12	NDD Unbiased	0.2734	0.2734	0
321	5e+12	NDD Unbiased	0.271	0.2718	0.0008
322	1e+13	NDD Unbiased	0.2743	0.2734	-0.0009
323	1e+13	NDD Unbiased	0.2665	0.2674	0.0009
324	1e+13	NDD Unbiased	0.2647	0.2667	0.002
325	1e+13	NDD Unbiased	0.2766	0.2762	-0.0004
326	0	Correlation	0.2661	0.2662	0.0001
327	0	Correlation	0.2751	0.2757	0.0006
328	0	Correlation	0.2759	0.2753	-0.0006

NDD vs Post - Pre Exposure Delta

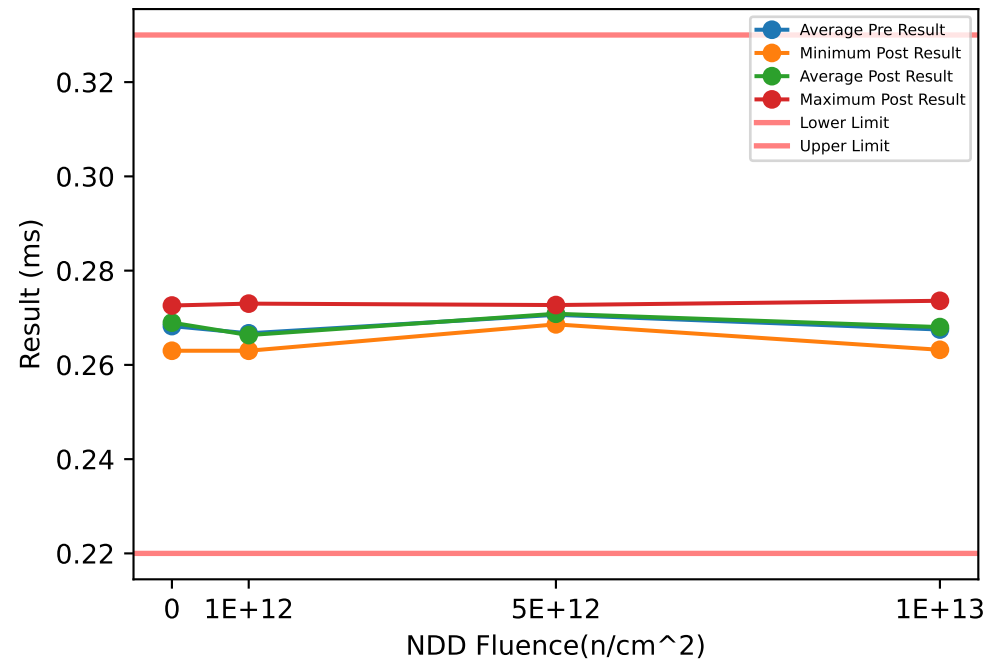


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.27237	0.2759	0.0054418	0.2662	0.2724	0.2757	0.0053731	-0.0006	3.3333e-05	0.0006	0.00060277
1e+12	0.266	0.26932	0.2759	0.0045624	0.2665	0.26945	0.2747	0.0037117	-0.0012	0.000125	0.0007	0.00088835
5e+12	0.271	0.27418	0.2763	0.0024851	0.2718	0.27408	0.276	0.0018608	-0.0012	-0.0001	0.0008	0.00082462
1e+13	0.2647	0.27053	0.2766	0.0058106	0.2667	0.27092	0.2762	0.004627	-0.0009	0.0004	0.002	0.0013089

Device Test: 5.25; DLY_TMR_10KOHM

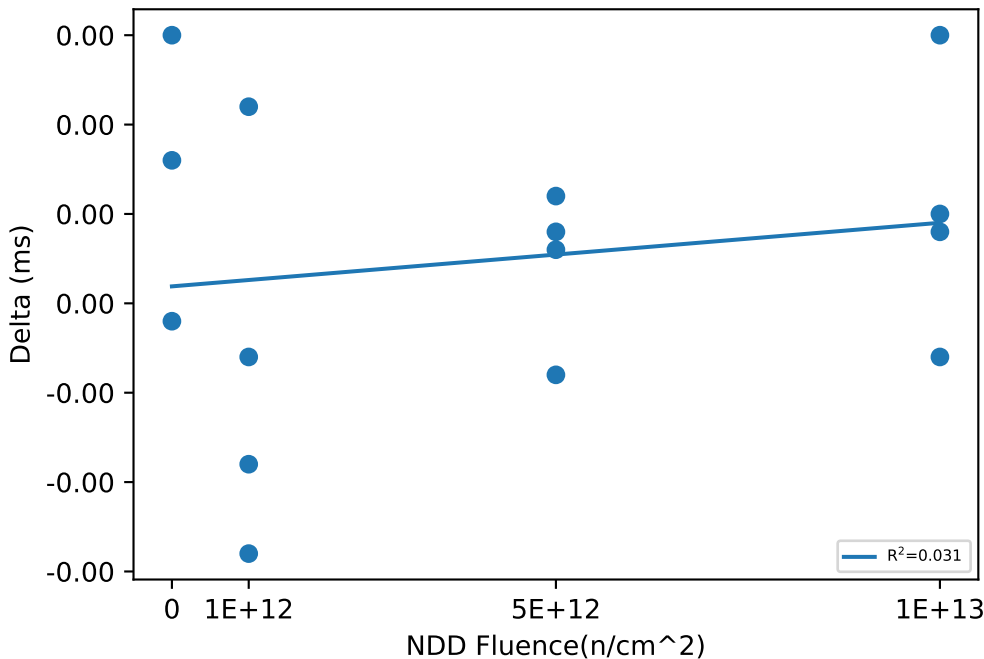
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2639	0.263	-0.0009
315	1e+12	NDD Unbiased	0.264	0.2637	-0.0003
316	1e+12	NDD Unbiased	0.2719	0.273	0.0011
317	1e+12	NDD Unbiased	0.267	0.2656	-0.0014
318	5e+12	NDD Unbiased	0.2731	0.2727	-0.0004
319	5e+12	NDD Unbiased	0.2711	0.2715	0.0004
320	5e+12	NDD Unbiased	0.27	0.2706	0.0006
321	5e+12	NDD Unbiased	0.2683	0.2686	0.0003
322	1e+13	NDD Unbiased	0.2714	0.2711	-0.0003
323	1e+13	NDD Unbiased	0.2637	0.2642	0.0005
324	1e+13	NDD Unbiased	0.2617	0.2632	0.0015
325	1e+13	NDD Unbiased	0.2732	0.2736	0.0004
326	0	Correlation	0.2622	0.263	0.0008
327	0	Correlation	0.2714	0.2713	-0.0001
328	0	Correlation	0.2711	0.2726	0.0015

NDD vs Post - Pre Exposure Delta

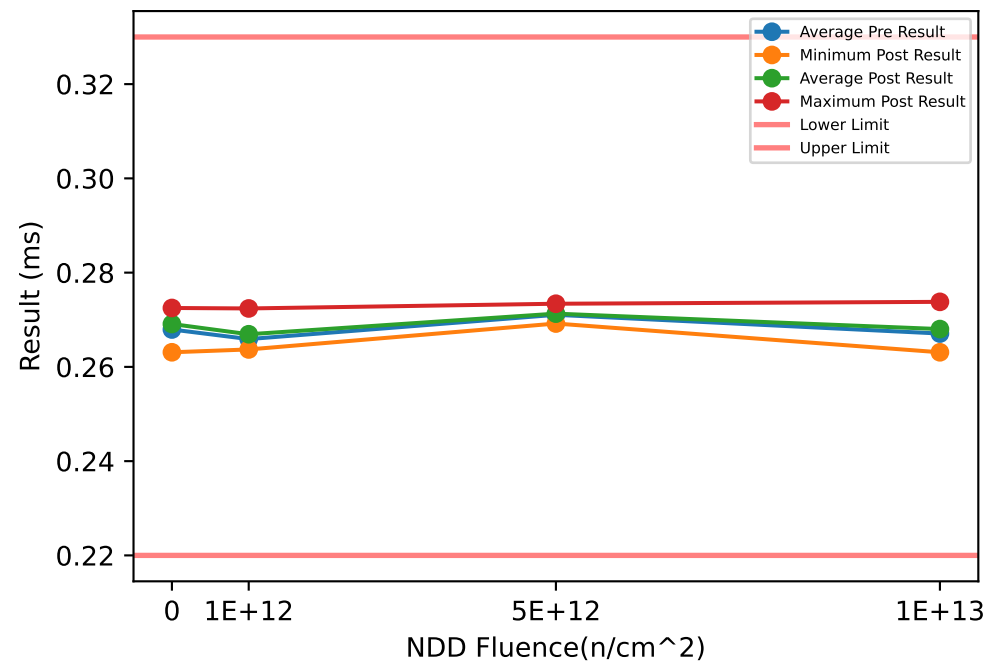


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2622	0.26823	0.2714	0.0052272	0.263	0.26897	0.2726	0.005208	-0.0001	0.00073333	0.0015	0.00080208
1e+12	0.2639	0.2667	0.2719	0.0037532	0.263	0.26633	0.273	0.0045836	-0.0014	-0.000375	0.0011	0.0010813
5e+12	0.2683	0.27063	0.2731	0.0020123	0.2686	0.27085	0.2727	0.0017292	-0.0004	0.000225	0.0006	0.00043493
1e+13	0.2617	0.2675	0.2732	0.0056504	0.2632	0.26803	0.2736	0.0051136	-0.0003	0.000525	0.0015	0.00074106

Device Test: 5.26; DLY_TMR_10KOHM

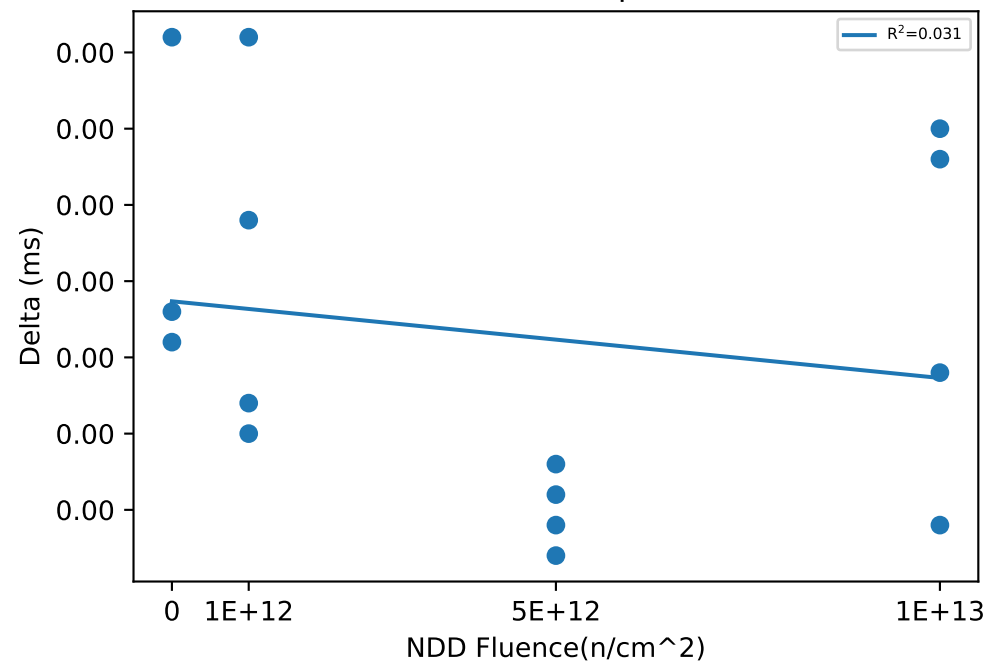
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2625	0.2643	0.0018
315	1e+12	NDD Unbiased	0.2625	0.2637	0.0012
316	1e+12	NDD Unbiased	0.2718	0.2724	0.0006
317	1e+12	NDD Unbiased	0.2668	0.2673	0.0005
318	5e+12	NDD Unbiased	0.273	0.2734	0.0004
319	5e+12	NDD Unbiased	0.2713	0.2716	0.0003
320	5e+12	NDD Unbiased	0.2708	0.271	0.0002
321	5e+12	NDD Unbiased	0.2691	0.2692	0.0001
322	1e+13	NDD Unbiased	0.2697	0.2712	0.0015
323	1e+13	NDD Unbiased	0.2638	0.264	0.0002
324	1e+13	NDD Unbiased	0.2624	0.2631	0.0007
325	1e+13	NDD Unbiased	0.2724	0.2738	0.0014
326	0	Correlation	0.2613	0.2631	0.0018
327	0	Correlation	0.2709	0.2717	0.0008
328	0	Correlation	0.2716	0.2725	0.0009

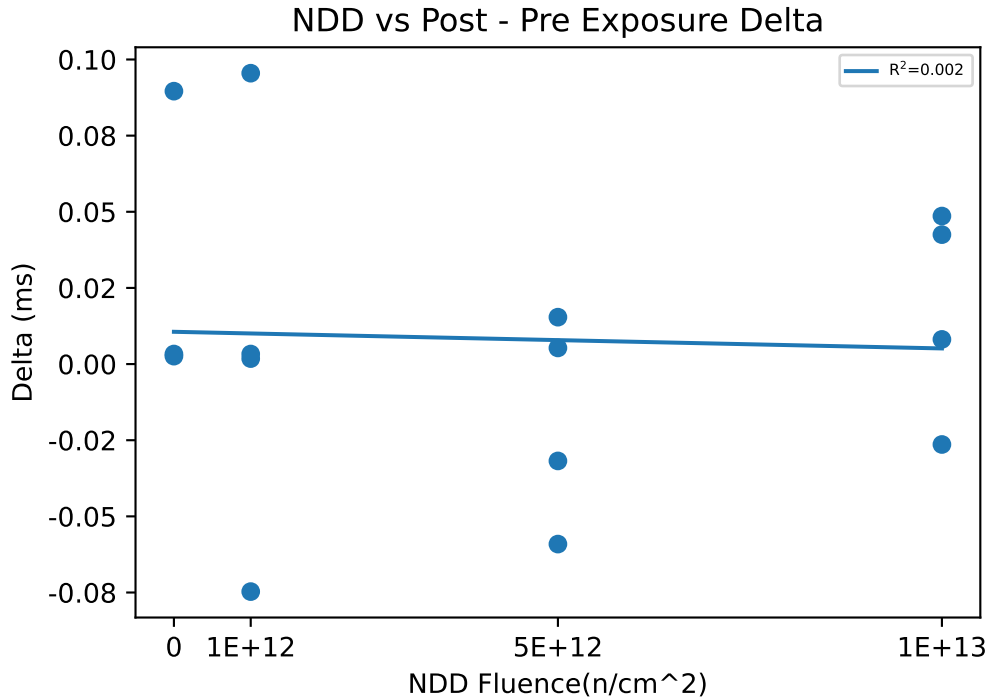
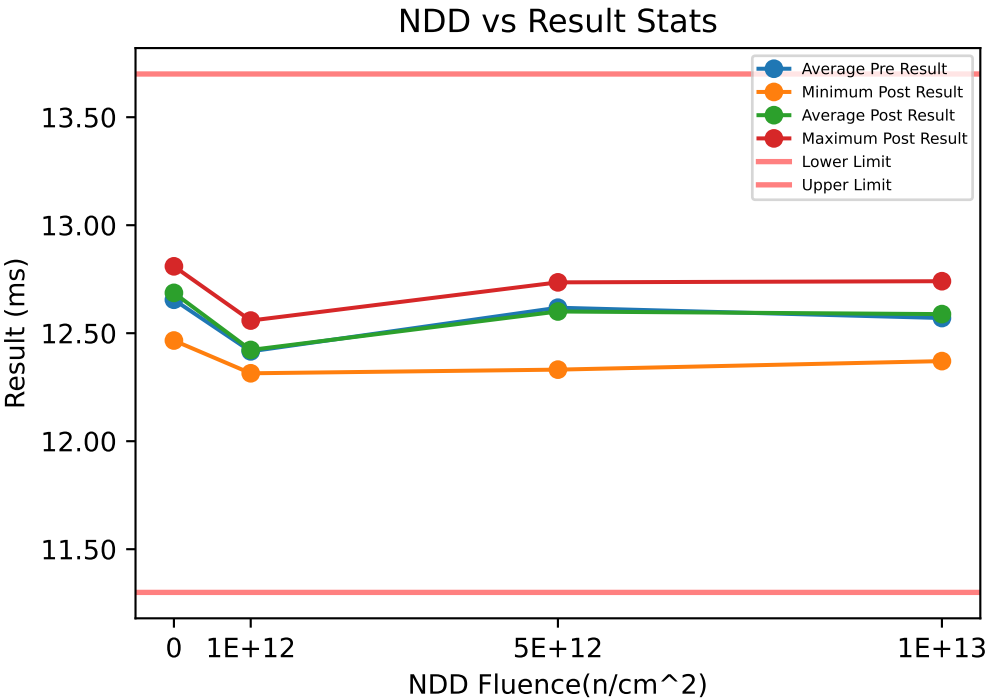
NDD vs Post - Pre Exposure Delta



Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2613	0.26793	0.2716	0.0057553	0.2631	0.2691	0.2725	0.0052115	0.0008	0.0011667	0.0018	0.00055076
1e+12	0.2625	0.2659	0.2718	0.0044249	0.2637	0.26692	0.2724	0.0039752	0.0005	0.001025	0.0018	0.00060208
5e+12	0.2691	0.27105	0.273	0.0016052	0.2692	0.2713	0.2734	0.0017321	0.0001	0.00025	0.0004	0.0001291
1e+13	0.2624	0.26708	0.2724	0.0047549	0.2631	0.26803	0.2738	0.005288	0.0002	0.00095	0.0015	0.00061373

Device Test: 5.27; DLY_TMR_500KOHM



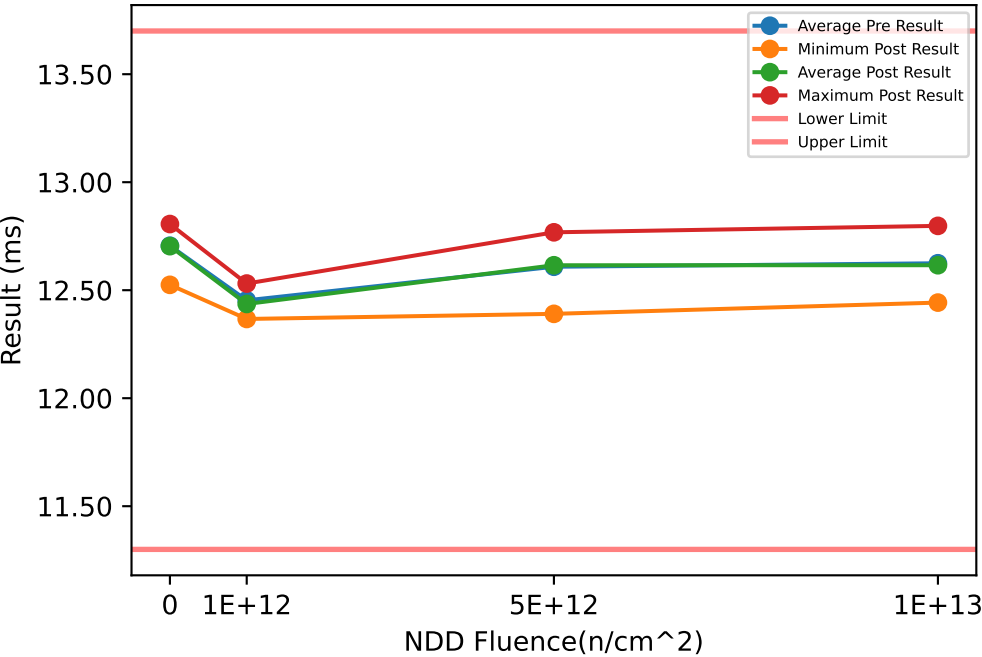
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.488	12.413	-0.0747
315	1e+12	NDD Unbiased	12.308	12.403	0.0955
316	1e+12	NDD Unbiased	12.313	12.314	0.0018
317	1e+12	NDD Unbiased	12.555	12.559	0.0033
318	5e+12	NDD Unbiased	12.73	12.735	0.0053
319	5e+12	NDD Unbiased	12.705	12.673	-0.0318
320	5e+12	NDD Unbiased	12.647	12.662	0.0154
321	5e+12	NDD Unbiased	12.39	12.331	-0.0591
322	1e+13	NDD Unbiased	12.681	12.723	0.0425
323	1e+13	NDD Unbiased	12.397	12.371	-0.0264
324	1e+13	NDD Unbiased	12.47	12.519	0.0486
325	1e+13	NDD Unbiased	12.733	12.741	0.0081
326	0	Correlation	12.463	12.466	0.0033
327	0	Correlation	12.72	12.81	0.0896
328	0	Correlation	12.782	12.784	0.0026

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.463	12.655	12.782	0.16914	12.466	12.687	12.81	0.19143	0.0026	0.031833	0.0896	0.050029
1e+12	12.308	12.416	12.555	0.12506	12.314	12.422	12.559	0.10105	-0.0747	0.006475	0.0955	0.069634
5e+12	12.39	12.618	12.73	0.1557	12.331	12.601	12.735	0.18234	-0.0591	-0.01755	0.0154	0.034338
1e+13	12.397	12.57	12.733	0.16182	12.371	12.588	12.741	0.17664	-0.0264	0.0182	0.0486	0.034669

Device Test: 5.28; DLY_TMR_500KOHM

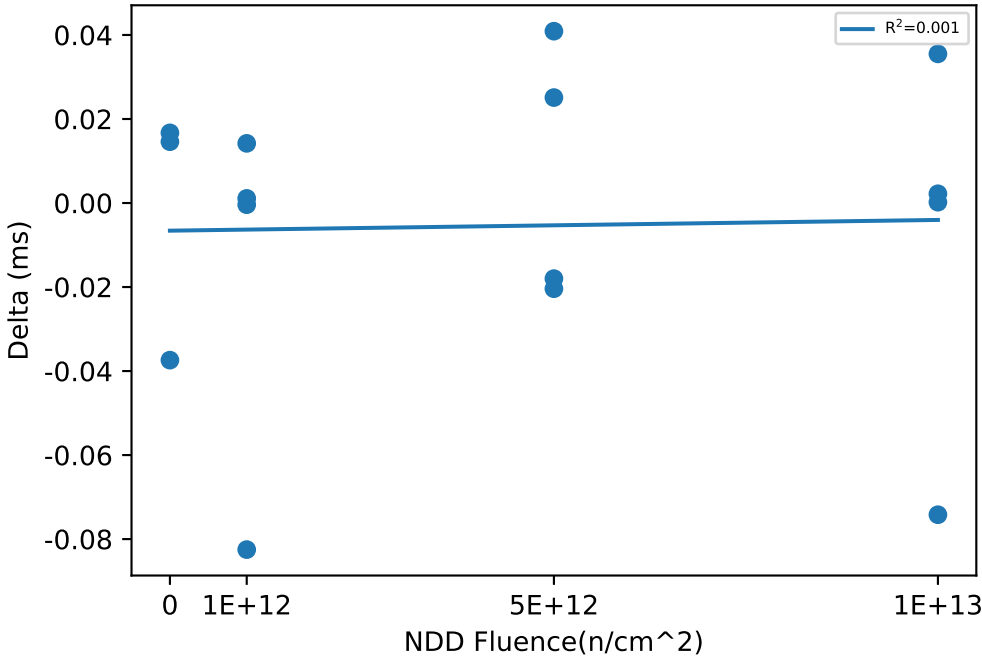
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.46	12.474	0.0142
315	1e+12	NDD Unbiased	12.367	12.367	-0.0004
316	1e+12	NDD Unbiased	12.372	12.373	0.0011
317	1e+12	NDD Unbiased	12.613	12.531	-0.0825
318	5e+12	NDD Unbiased	12.788	12.768	-0.0204
319	5e+12	NDD Unbiased	12.656	12.681	0.0251
320	5e+12	NDD Unbiased	12.581	12.622	0.0409
321	5e+12	NDD Unbiased	12.409	12.39	-0.018
322	1e+13	NDD Unbiased	12.707	12.743	0.0355
323	1e+13	NDD Unbiased	12.442	12.443	0.0002
324	1e+13	NDD Unbiased	12.553	12.479	-0.0742
325	1e+13	NDD Unbiased	12.796	12.798	0.0022
326	0	Correlation	12.508	12.525	0.0167
327	0	Correlation	12.766	12.781	0.0146
328	0	Correlation	12.844	12.806	-0.0374

NDD vs Post - Pre Exposure Delta

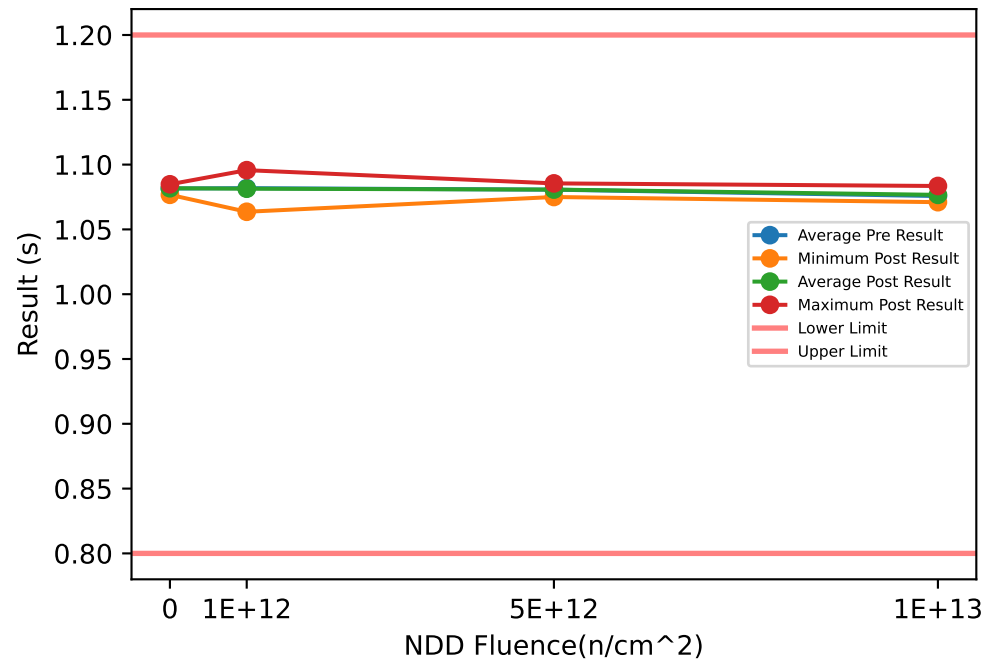


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.508	12.706	12.844	0.17568	12.525	12.704	12.806	0.15564	-0.0374	-0.0020333	0.0167	0.030646
1e+12	12.367	12.453	12.613	0.11496	12.367	12.436	12.531	0.079939	-0.0825	-0.0169	0.0142	0.044222
5e+12	12.409	12.609	12.788	0.15849	12.39	12.615	12.768	0.16148	-0.0204	0.0069	0.0409	0.030836
1e+13	12.442	12.625	12.796	0.15741	12.443	12.616	12.798	0.18063	-0.0742	-0.009075	0.0355	0.046337

Device Test: 5.29; WD_TMR_500KOHM

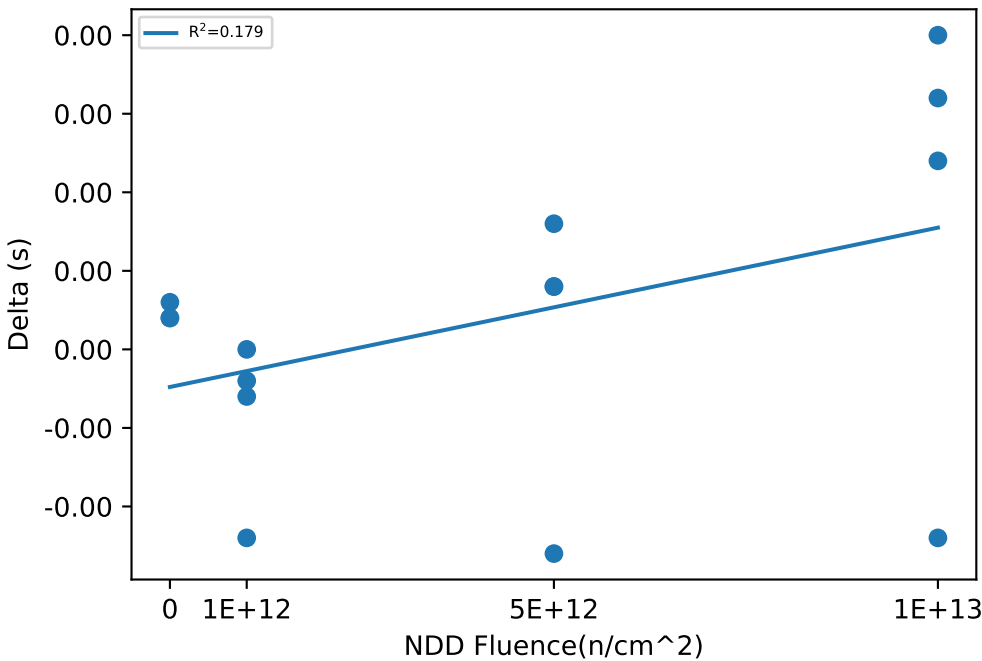
NDD vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0942	1.094	-0.0002
315	1e+12	NDD Unbiased	1.0969	1.0957	-0.0012
316	1e+12	NDD Unbiased	1.0726	1.0723	-0.0003
317	1e+12	NDD Unbiased	1.0636	1.0636	0
318	5e+12	NDD Unbiased	1.0849	1.0853	0.0004
319	5e+12	NDD Unbiased	1.0784	1.0771	-0.0013
320	5e+12	NDD Unbiased	1.0742	1.075	0.0008
321	5e+12	NDD Unbiased	1.0851	1.0855	0.0004
322	1e+13	NDD Unbiased	1.076	1.0748	-0.0012
323	1e+13	NDD Unbiased	1.0753	1.0773	0.002
324	1e+13	NDD Unbiased	1.0698	1.071	0.0012
325	1e+13	NDD Unbiased	1.0819	1.0835	0.0016
326	0	Correlation	1.0836	1.0838	0.0002
327	0	Correlation	1.0764	1.0767	0.0003
328	0	Correlation	1.0846	1.0848	0.0002

NDD vs Post - Pre Exposure Delta

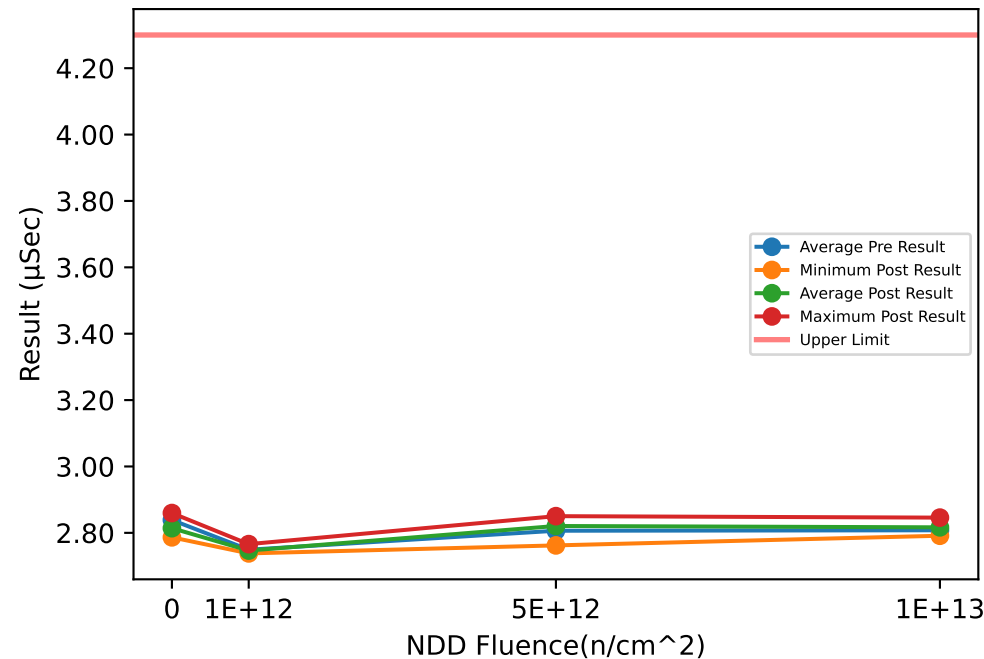


Test Statistics (s)

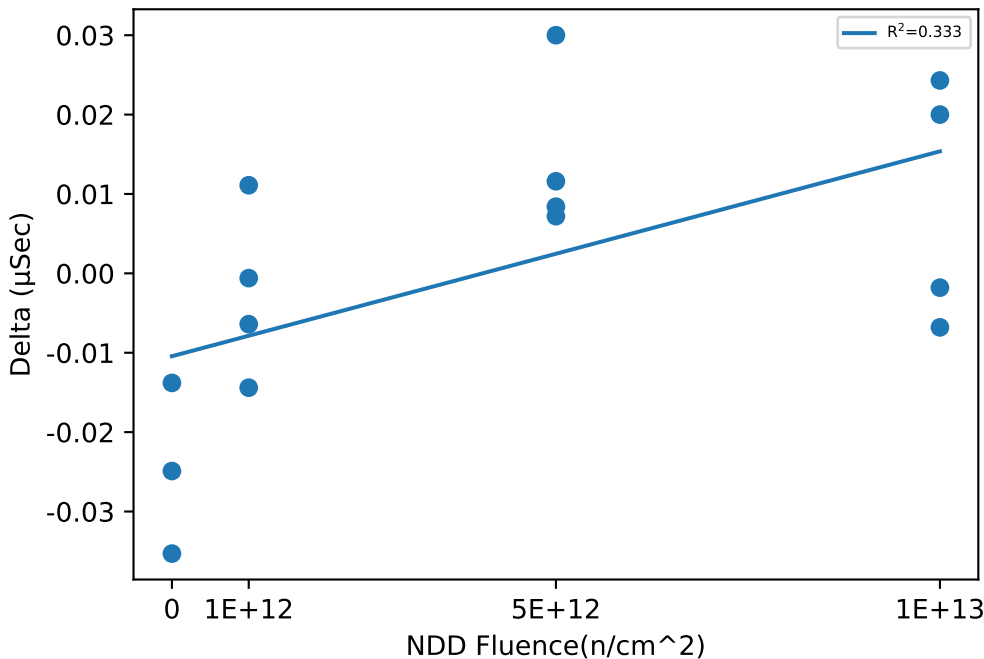
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0764	1.0815	1.0846	0.0044736	1.0767	1.0818	1.0848	0.0044163	0.0002	0.00023333	0.0003	5.7735e-05
1e+12	1.0636	1.0818	1.0969	0.016306	1.0636	1.0814	1.0957	0.015947	-0.0012	-0.000425	0	0.00053151
5e+12	1.0742	1.0806	1.0851	0.0053082	1.075	1.0807	1.0855	0.0054665	-0.0013	7.5e-05	0.0008	0.00093586
1e+13	1.0698	1.0757	1.0819	0.0049494	1.071	1.0766	1.0835	0.0052501	-0.0012	0.0009	0.002	0.0014376

Device Test: 5.3; PROPD_PWRGD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

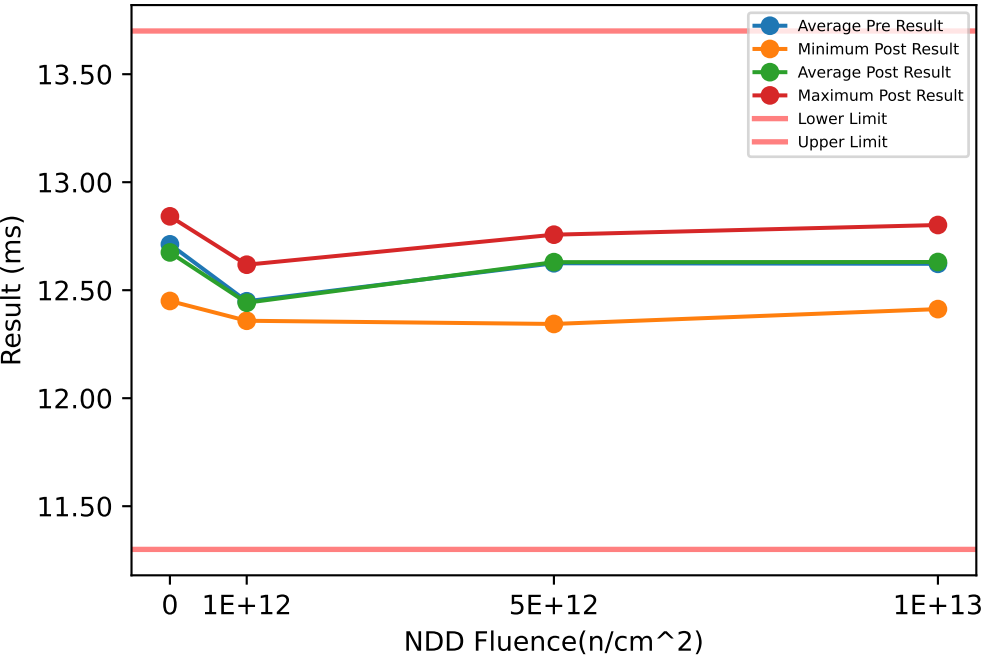
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.7445	2.7381	-0.0064
315	1e+12	NDD Unbiased	2.744	2.7434	-0.0006
316	1e+12	NDD Unbiased	2.7535	2.7391	-0.0144
317	1e+12	NDD Unbiased	2.7549	2.766	0.0111
318	5e+12	NDD Unbiased	2.8392	2.8464	0.0072
319	5e+12	NDD Unbiased	2.7538	2.7622	0.0084
320	5e+12	NDD Unbiased	2.7938	2.8238	0.03
321	5e+12	NDD Unbiased	2.8387	2.8503	0.0116
322	1e+13	NDD Unbiased	2.8222	2.8204	-0.0018
323	1e+13	NDD Unbiased	2.767	2.7913	0.0243
324	1e+13	NDD Unbiased	2.8527	2.8459	-0.0068
325	1e+13	NDD Unbiased	2.789	2.809	0.02
326	0	Correlation	2.8735	2.8597	-0.0138
327	0	Correlation	2.8218	2.7865	-0.0353
328	0	Correlation	2.821	2.7961	-0.0249

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.821	2.8388	2.8735	0.030083	2.7865	2.8141	2.8597	0.039781	-0.0353	-0.024667	-0.0138	0.010752
1e+12	2.744	2.7492	2.7549	0.0057766	2.7381	2.7466	2.766	0.013103	-0.0144	-0.002575	0.0111	0.01073
5e+12	2.7538	2.8064	2.8392	0.041007	2.7622	2.8207	2.8503	0.040696	0.0072	0.0143	0.03	0.01063
1e+13	2.767	2.8077	2.8527	0.037601	2.7913	2.8167	2.8459	0.022882	-0.0068	0.008925	0.0243	0.015506

Device Test: 5.30; DLY_TMR_500KOHM

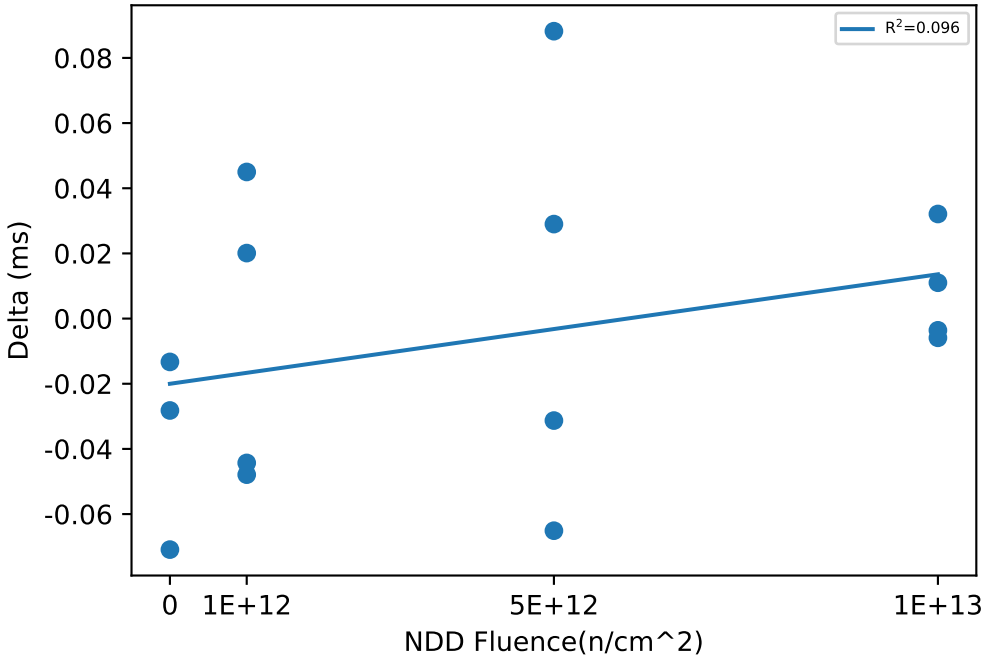
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.473	12.426	-0.0479
315	1e+12	NDD Unbiased	12.403	12.358	-0.0443
316	1e+12	NDD Unbiased	12.346	12.366	0.0201
317	1e+12	NDD Unbiased	12.573	12.618	0.045
318	5e+12	NDD Unbiased	12.822	12.757	-0.0651
319	5e+12	NDD Unbiased	12.701	12.73	0.029
320	5e+12	NDD Unbiased	12.6	12.688	0.0882
321	5e+12	NDD Unbiased	12.375	12.344	-0.0313
322	1e+13	NDD Unbiased	12.77	12.802	0.0321
323	1e+13	NDD Unbiased	12.416	12.412	-0.0036
324	1e+13	NDD Unbiased	12.55	12.544	-0.0059
325	1e+13	NDD Unbiased	12.752	12.764	0.011
326	0	Correlation	12.521	12.45	-0.0709
327	0	Correlation	12.761	12.733	-0.0282
328	0	Correlation	12.855	12.842	-0.0133

NDD vs Post - Pre Exposure Delta

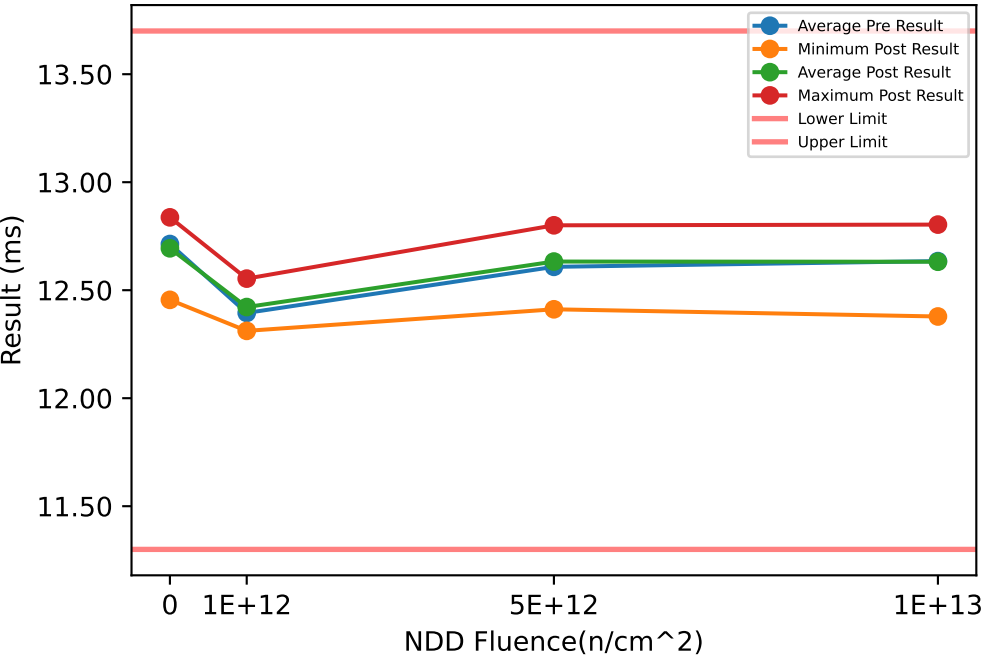


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.521	12.712	12.855	0.17233	12.45	12.675	12.842	0.20222	-0.0709	-0.037467	-0.0133	0.029897
1e+12	12.346	12.449	12.573	0.097948	12.358	12.442	12.618	0.12114	-0.0479	-0.006775	0.045	0.046556
5e+12	12.375	12.625	12.822	0.18956	12.344	12.63	12.757	0.19287	-0.0651	0.0052	0.0882	0.067651
1e+13	12.416	12.622	12.77	0.16972	12.412	12.63	12.802	0.18439	-0.0059	0.0084	0.0321	0.017483

Device Test: 5.31; DLY_TMR_500KOHM

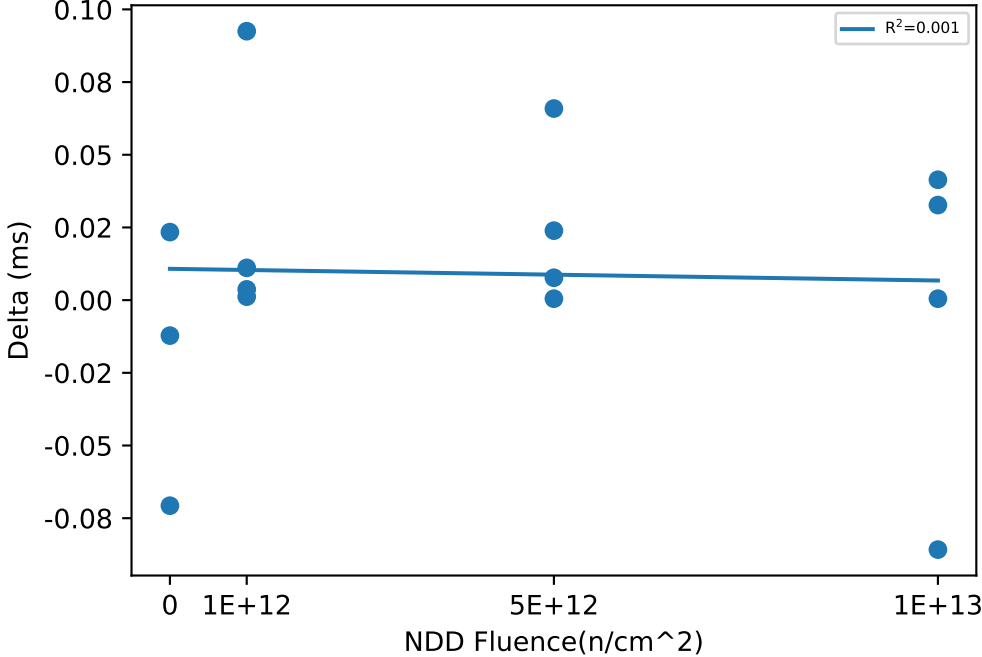
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.409	12.42	0.0111
315	1e+12	NDD Unbiased	12.31	12.403	0.0925
316	1e+12	NDD Unbiased	12.31	12.312	0.0012
317	1e+12	NDD Unbiased	12.55	12.554	0.0037
318	5e+12	NDD Unbiased	12.793	12.8	0.0077
319	5e+12	NDD Unbiased	12.679	12.679	0.0005
320	5e+12	NDD Unbiased	12.615	12.639	0.0239
321	5e+12	NDD Unbiased	12.346	12.412	0.0659
322	1e+13	NDD Unbiased	12.739	12.78	0.0414
323	1e+13	NDD Unbiased	12.464	12.378	-0.0858
324	1e+13	NDD Unbiased	12.532	12.565	0.0327
325	1e+13	NDD Unbiased	12.803	12.804	0.0005
326	0	Correlation	12.526	12.455	-0.0707
327	0	Correlation	12.766	12.789	0.0234
328	0	Correlation	12.85	12.837	-0.0122

NDD vs Post - Pre Exposure Delta

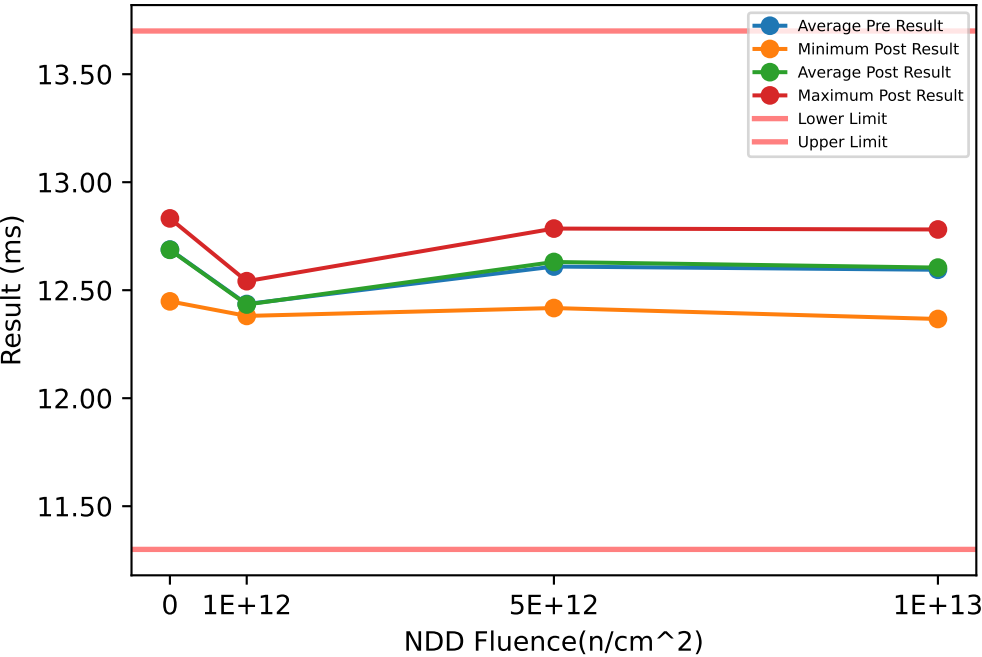


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.526	12.714	12.85	0.16791	12.455	12.694	12.837	0.20806	-0.0707	-0.019833	0.0234	0.047512
1e+12	12.31	12.395	12.55	0.11327	12.312	12.422	12.554	0.099764	0.0012	0.027125	0.0925	0.043786
5e+12	12.346	12.608	12.793	0.18973	12.412	12.633	12.8	0.16251	0.0005	0.0245	0.0659	0.029283
1e+13	12.464	12.635	12.803	0.16213	12.378	12.632	12.804	0.20028	-0.0858	-0.0028	0.0414	0.058063

Device Test: 5.32; DLY_TMR_500KOHM

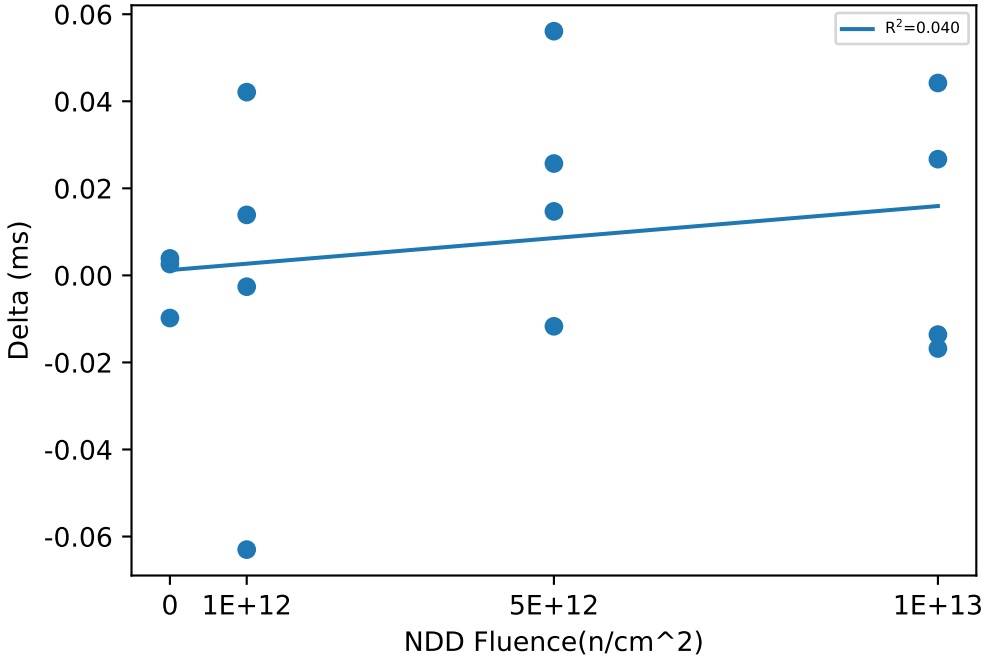
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.398	12.412	0.0139
315	1e+12	NDD Unbiased	12.383	12.381	-0.0026
316	1e+12	NDD Unbiased	12.358	12.4	0.0421
317	1e+12	NDD Unbiased	12.605	12.542	-0.063
318	5e+12	NDD Unbiased	12.76	12.785	0.0257
319	5e+12	NDD Unbiased	12.632	12.688	0.0561
320	5e+12	NDD Unbiased	12.617	12.632	0.0147
321	5e+12	NDD Unbiased	12.429	12.417	-0.0117
322	1e+13	NDD Unbiased	12.729	12.773	0.0442
323	1e+13	NDD Unbiased	12.383	12.367	-0.0168
324	1e+13	NDD Unbiased	12.471	12.498	0.0267
325	1e+13	NDD Unbiased	12.795	12.781	-0.0136
326	0	Correlation	12.446	12.448	0.0026
327	0	Correlation	12.776	12.78	0.0039
328	0	Correlation	12.842	12.832	-0.0098

NDD vs Post - Pre Exposure Delta

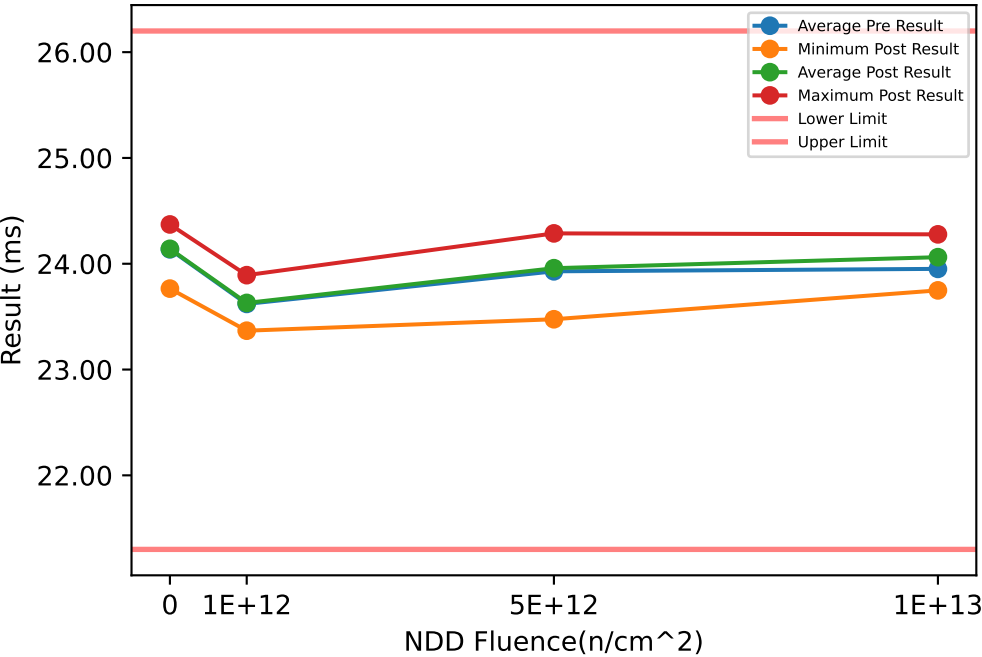


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.446	12.688	12.842	0.21245	12.448	12.687	12.832	0.20831	-0.0098	-0.0011	0.0039	0.0075624
1e+12	12.358	12.436	12.605	0.11361	12.381	12.434	12.542	0.073142	-0.063	-0.0024	0.0421	0.044416
5e+12	12.429	12.609	12.76	0.13619	12.417	12.631	12.785	0.15569	-0.0117	0.0212	0.0561	0.028065
1e+13	12.383	12.595	12.795	0.19814	12.367	12.605	12.781	0.20608	-0.0168	0.010125	0.0442	0.030131

Device Test: 5.33; DLY_TMR_1MOHM

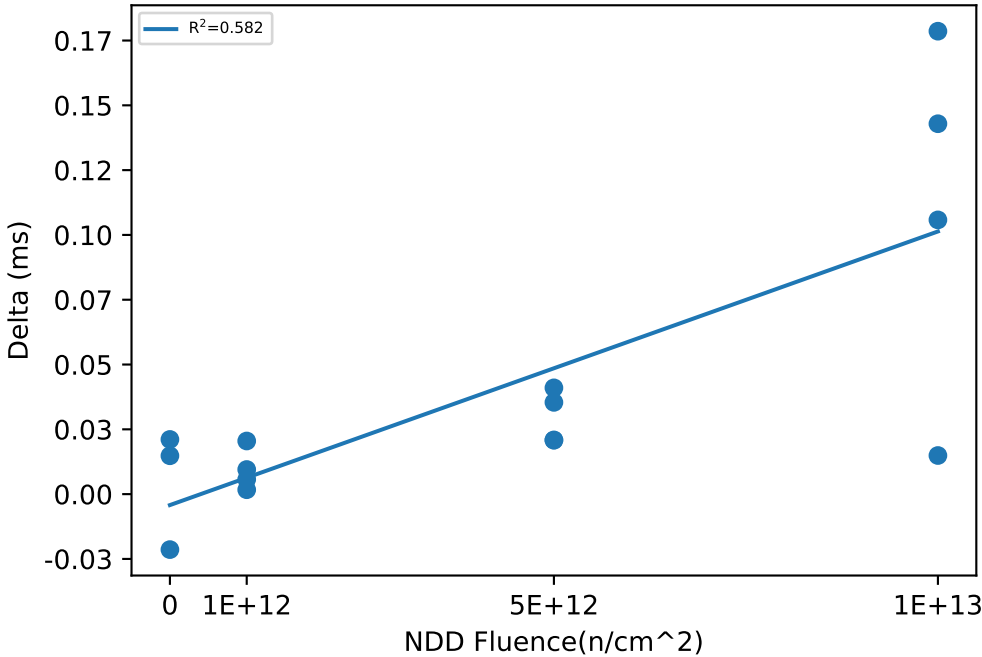
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.648	23.668	0.0205
315	1e+12	NDD Unbiased	23.59	23.591	0.0017
316	1e+12	NDD Unbiased	23.358	23.367	0.0095
317	1e+12	NDD Unbiased	23.886	23.892	0.0057
318	5e+12	NDD Unbiased	24.252	24.287	0.0354
319	5e+12	NDD Unbiased	24.072	24.093	0.0208
320	5e+12	NDD Unbiased	23.936	23.977	0.041
321	5e+12	NDD Unbiased	23.454	23.475	0.0209
322	1e+13	NDD Unbiased	24.172	24.278	0.1058
323	1e+13	NDD Unbiased	23.605	23.748	0.1429
324	1e+13	NDD Unbiased	23.833	24.012	0.1786
325	1e+13	NDD Unbiased	24.195	24.21	0.0149
326	0	Correlation	23.786	23.765	-0.0214
327	0	Correlation	24.272	24.287	0.0148
328	0	Correlation	24.35	24.372	0.0211

NDD vs Post - Pre Exposure Delta

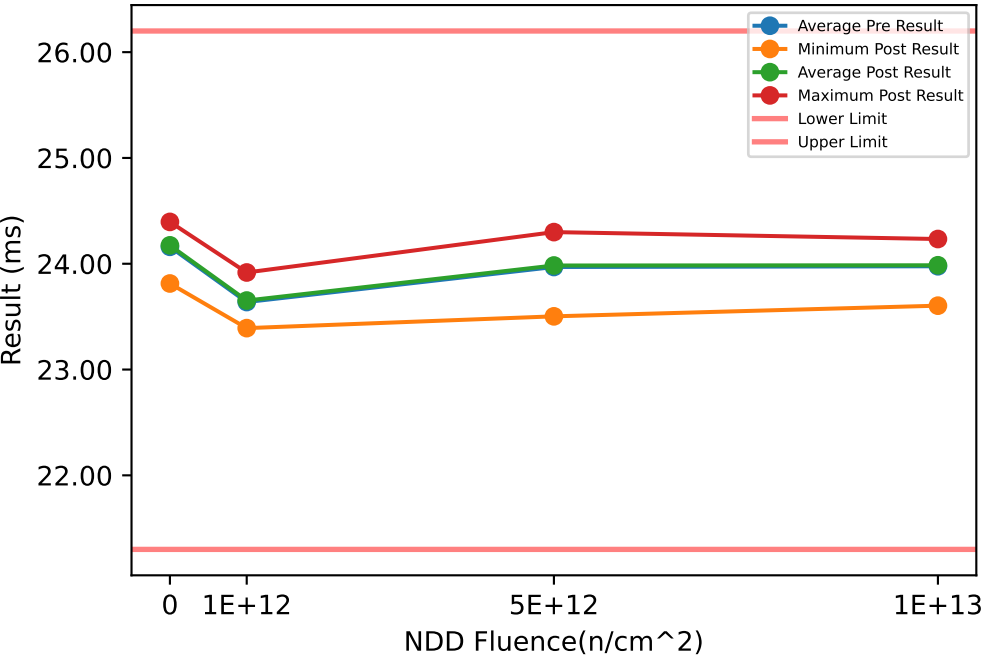


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.786	24.136	24.35	0.30552	23.765	24.141	24.372	0.32845	-0.0214	0.0048333	0.0211	0.022936
1e+12	23.358	23.62	23.886	0.21714	23.367	23.63	23.892	0.21657	0.0017	0.00935	0.0205	0.0080868
5e+12	23.454	23.928	24.252	0.34148	23.475	23.958	24.287	0.34631	0.0208	0.029525	0.041	0.010275
1e+13	23.605	23.952	24.195	0.28398	23.748	24.062	24.278	0.23772	0.0149	0.11055	0.1786	0.070353

Device Test: 5.34; DLY_TMR_1MOHM

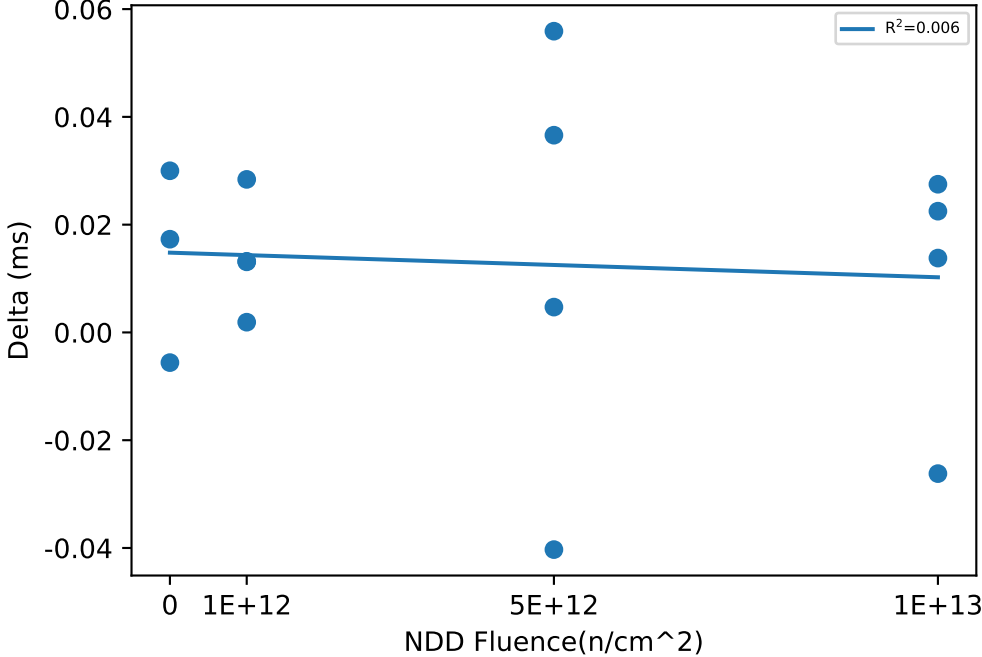
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.675	23.688	0.0131
315	1e+12	NDD Unbiased	23.599	23.612	0.0132
316	1e+12	NDD Unbiased	23.363	23.392	0.0284
317	1e+12	NDD Unbiased	23.916	23.917	0.0019
318	5e+12	NDD Unbiased	24.294	24.299	0.0047
319	5e+12	NDD Unbiased	24.096	24.132	0.0366
320	5e+12	NDD Unbiased	23.944	24	0.0559
321	5e+12	NDD Unbiased	23.543	23.503	-0.0403
322	1e+13	NDD Unbiased	24.196	24.218	0.0225
323	1e+13	NDD Unbiased	23.63	23.604	-0.0262
324	1e+13	NDD Unbiased	23.859	23.887	0.0275
325	1e+13	NDD Unbiased	24.22	24.234	0.0138
326	0	Correlation	23.796	23.813	0.0173
327	0	Correlation	24.283	24.313	0.03
328	0	Correlation	24.401	24.395	-0.0056

NDD vs Post - Pre Exposure Delta

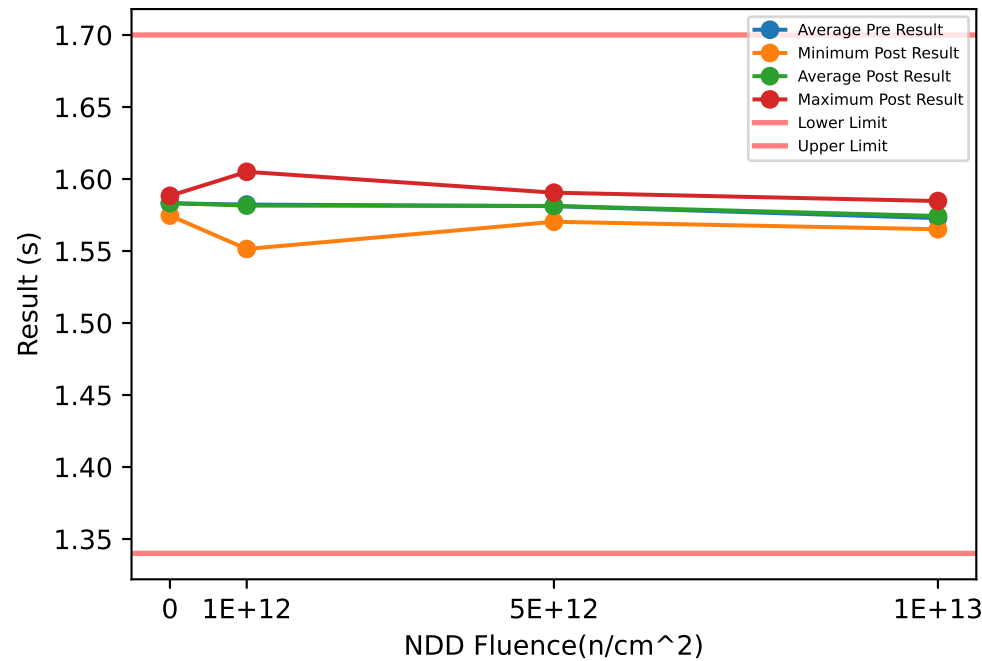


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.796	24.16	24.401	0.32067	23.813	24.174	24.395	0.31495	-0.0056	0.0139	0.03	0.018042
1e+12	23.363	23.638	23.916	0.22768	23.392	23.652	23.917	0.21697	0.0019	0.01415	0.0284	0.01088
5e+12	23.543	23.969	24.294	0.31825	23.503	23.983	24.299	0.343	-0.0403	0.014225	0.0559	0.042036
1e+13	23.63	23.976	24.22	0.28357	23.604	23.986	24.234	0.30074	-0.0262	0.0094	0.0275	0.024399

Device Test: 5.35; WD_TMR_1MOHM

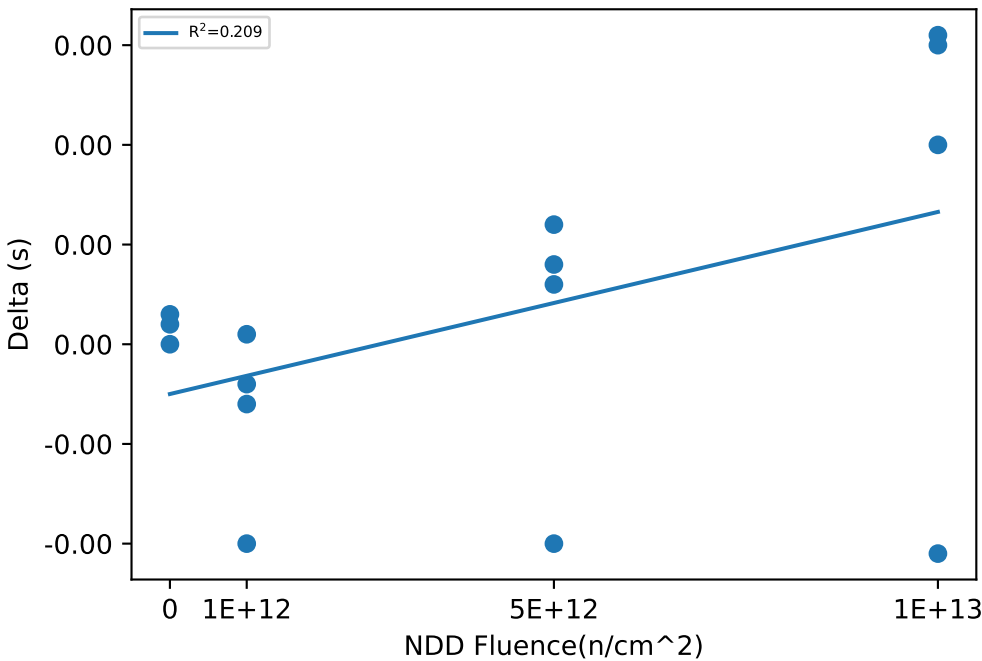
NDD vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.6048	1.6044	-0.0004
315	1e+12	NDD Unbiased	1.607	1.605	-0.002
316	1e+12	NDD Unbiased	1.5659	1.5653	-0.0006
317	1e+12	NDD Unbiased	1.5513	1.5514	0.0001
318	5e+12	NDD Unbiased	1.5872	1.5878	0.0006
319	5e+12	NDD Unbiased	1.5786	1.5766	-0.002
320	5e+12	NDD Unbiased	1.5691	1.5703	0.0012
321	5e+12	NDD Unbiased	1.5897	1.5905	0.0008
322	1e+13	NDD Unbiased	1.5739	1.5718	-0.0021
323	1e+13	NDD Unbiased	1.5727	1.5757	0.003
324	1e+13	NDD Unbiased	1.5631	1.5651	0.002
325	1e+13	NDD Unbiased	1.5816	1.5847	0.0031
326	0	Correlation	1.5867	1.5869	0.0002
327	0	Correlation	1.5743	1.5746	0.0003
328	0	Correlation	1.5883	1.5883	0

NDD vs Post - Pre Exposure Delta

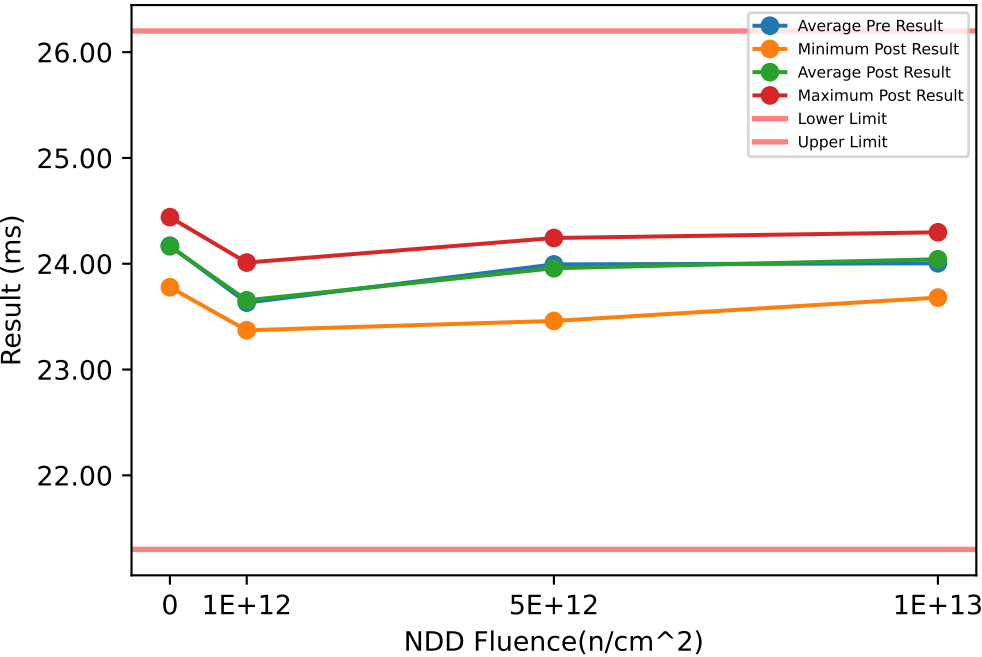


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5743	1.5831	1.5883	0.0076629	1.5746	1.5833	1.5883	0.0075381	0	0.00016667	0.0003	0.00015275
1e+12	1.5513	1.5822	1.607	0.027966	1.5514	1.5815	1.605	0.027356	-0.002	-0.000725	0.0001	0.00089954
5e+12	1.5691	1.5812	1.5897	0.0093347	1.5703	1.5813	1.5905	0.0094865	-0.002	0.00015	0.0012	0.0014549
1e+13	1.5631	1.5728	1.5816	0.0075883	1.5651	1.5743	1.5847	0.0081855	-0.0021	0.0015	0.0031	0.0024509

Device Test: 5.36; DLY_TMR_1MOHM

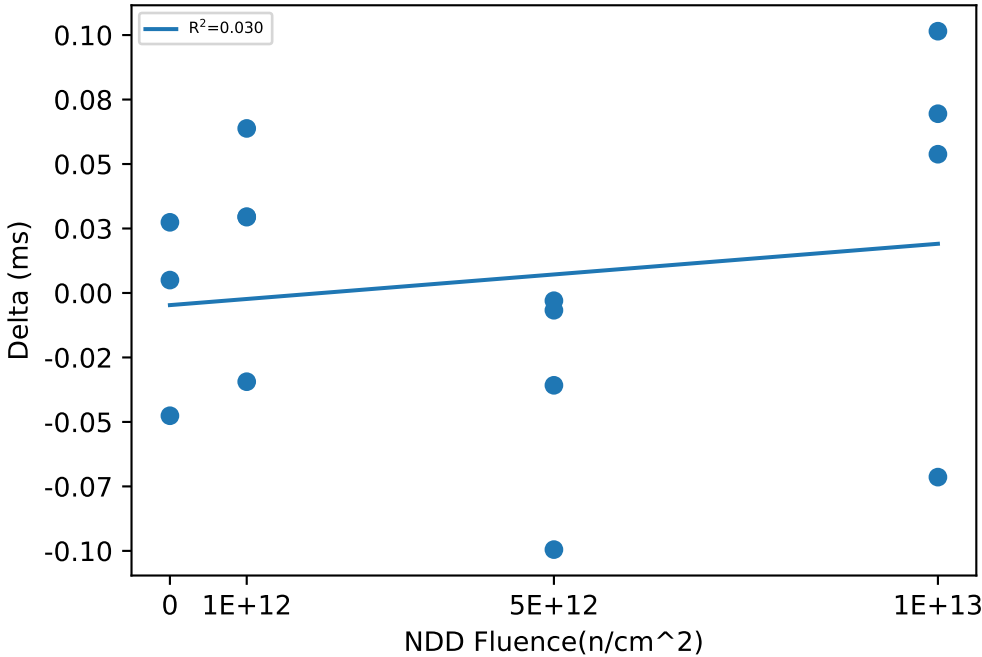
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.709	23.739	0.0296
315	1e+12	NDD Unbiased	23.531	23.497	-0.0344
316	1e+12	NDD Unbiased	23.342	23.371	0.0294
317	1e+12	NDD Unbiased	23.947	24.011	0.0638
318	5e+12	NDD Unbiased	24.343	24.244	-0.0995
319	5e+12	NDD Unbiased	24.066	24.059	-0.0067
320	5e+12	NDD Unbiased	24.072	24.069	-0.003
321	5e+12	NDD Unbiased	23.495	23.459	-0.0358
322	1e+13	NDD Unbiased	24.127	24.18	0.0538
323	1e+13	NDD Unbiased	23.752	23.68	-0.0714
324	1e+13	NDD Unbiased	23.943	24.013	0.0695
325	1e+13	NDD Unbiased	24.196	24.297	0.1015
326	0	Correlation	23.826	23.778	-0.0476
327	0	Correlation	24.273	24.277	0.005
328	0	Correlation	24.413	24.44	0.0274

NDD vs Post - Pre Exposure Delta

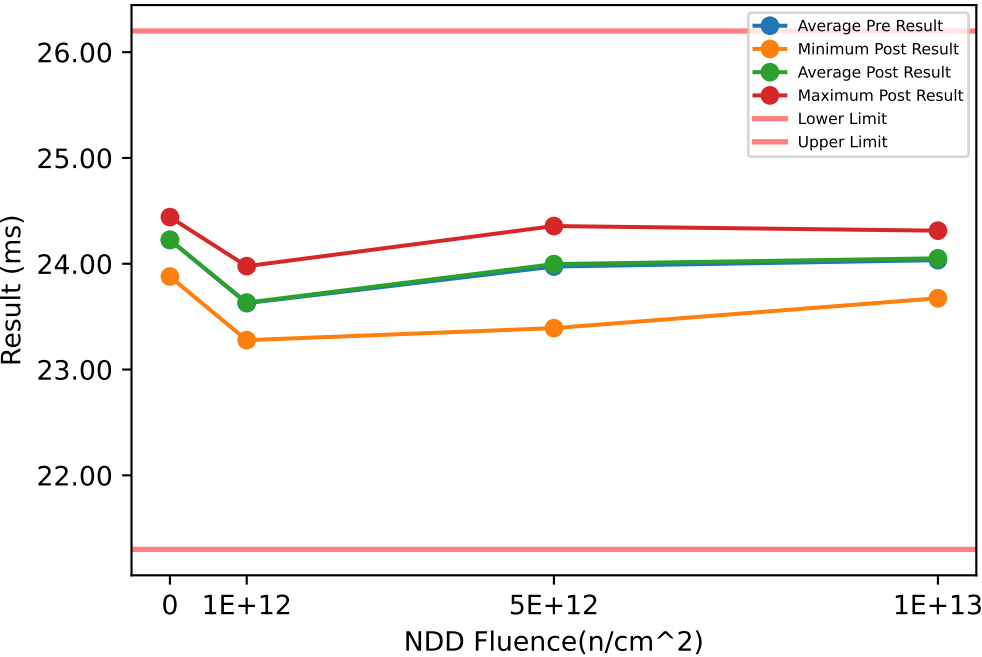


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.826	24.17	24.413	0.30679	23.778	24.165	24.44	0.34522	-0.0476	-0.0050667	0.0274	0.0385
1e+12	23.342	23.632	23.947	0.258	23.371	23.655	24.011	0.28245	-0.0344	0.0221	0.0638	0.040991
5e+12	23.495	23.994	24.343	0.35684	23.459	23.958	24.244	0.34292	-0.0995	-0.03625	-0.003	0.044645
1e+13	23.752	24.004	24.196	0.19925	23.68	24.043	24.297	0.26829	-0.0714	0.03835	0.1015	0.075811

Device Test: 5.37; DLY_TMR_1MOHM

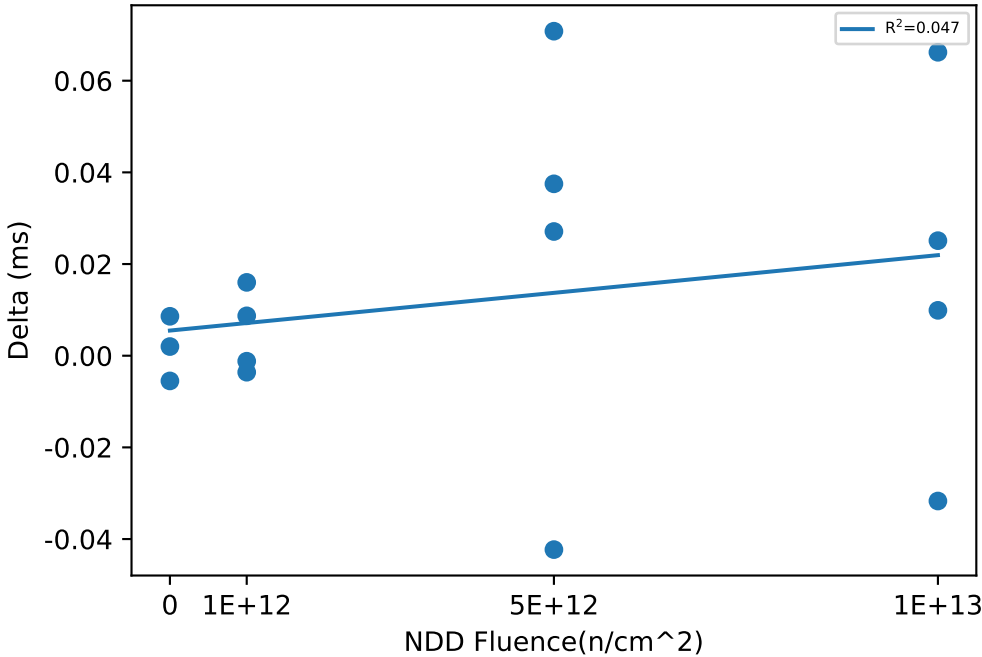
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.749	23.765	0.016
315	1e+12	NDD Unbiased	23.512	23.51	-0.0012
316	1e+12	NDD Unbiased	23.281	23.277	-0.0036
317	1e+12	NDD Unbiased	23.968	23.977	0.0087
318	5e+12	NDD Unbiased	24.329	24.356	0.0271
319	5e+12	NDD Unbiased	24.114	24.185	0.0708
320	5e+12	NDD Unbiased	24.017	24.054	0.0375
321	5e+12	NDD Unbiased	23.434	23.392	-0.0423
322	1e+13	NDD Unbiased	24.246	24.312	0.0662
323	1e+13	NDD Unbiased	23.706	23.674	-0.0317
324	1e+13	NDD Unbiased	23.912	23.937	0.0251
325	1e+13	NDD Unbiased	24.272	24.282	0.0099
326	0	Correlation	23.877	23.879	0.002
327	0	Correlation	24.35	24.359	0.0086
328	0	Correlation	24.447	24.441	-0.0055

NDD vs Post - Pre Exposure Delta

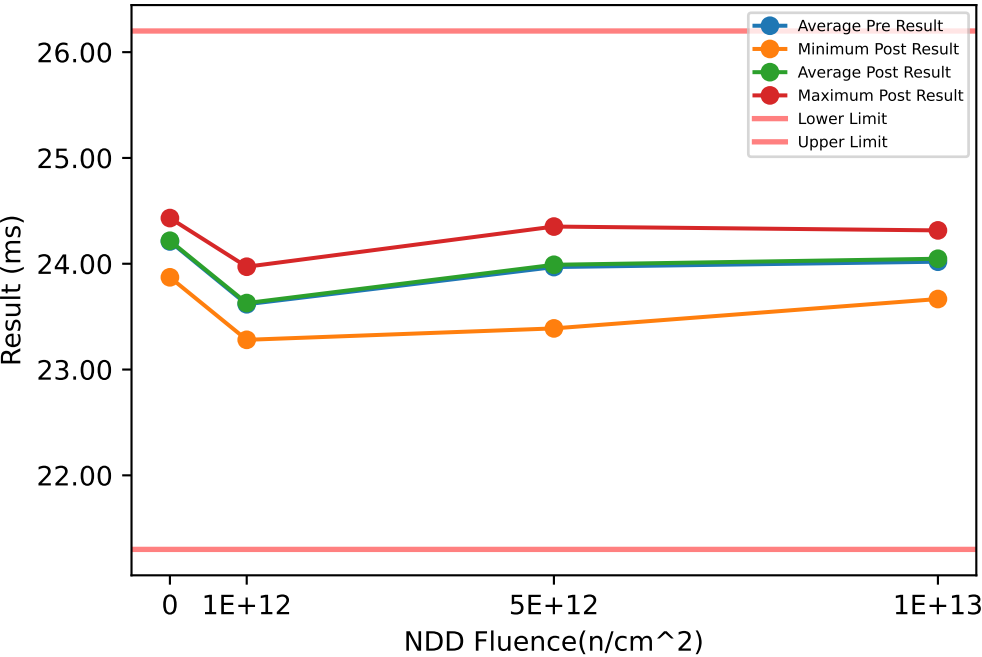


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.877	24.225	24.447	0.30469	23.879	24.226	24.441	0.3034	-0.0055	0.0017	0.0086	0.0070548
1e+12	23.281	23.628	23.968	0.29687	23.277	23.633	23.977	0.30399	-0.0036	0.004975	0.016	0.0090754
5e+12	23.434	23.973	24.329	0.3827	23.392	23.997	24.356	0.422	-0.0423	0.023275	0.0708	0.047524
1e+13	23.706	24.034	24.272	0.27341	23.674	24.051	24.312	0.30369	-0.0317	0.017375	0.0662	0.040447

Device Test: 5.38; DLY_TMR_1MOHM

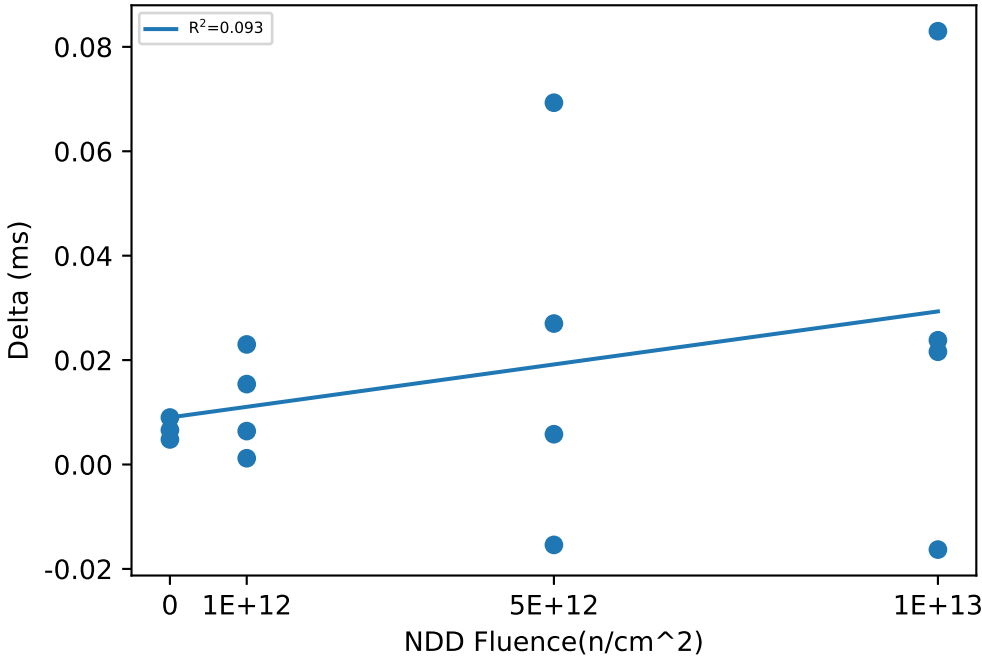
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.735	23.758	0.023
315	1e+12	NDD Unbiased	23.501	23.503	0.0012
316	1e+12	NDD Unbiased	23.274	23.281	0.0064
317	1e+12	NDD Unbiased	23.956	23.972	0.0154
318	5e+12	NDD Unbiased	24.346	24.352	0.0058
319	5e+12	NDD Unbiased	24.144	24.171	0.027
320	5e+12	NDD Unbiased	23.98	24.05	0.0693
321	5e+12	NDD Unbiased	23.404	23.389	-0.0154
322	1e+13	NDD Unbiased	24.232	24.315	0.083
323	1e+13	NDD Unbiased	23.683	23.666	-0.0163
324	1e+13	NDD Unbiased	23.91	23.934	0.0238
325	1e+13	NDD Unbiased	24.252	24.273	0.0216
326	0	Correlation	23.867	23.872	0.0048
327	0	Correlation	24.34	24.349	0.009
328	0	Correlation	24.425	24.432	0.0066

NDD vs Post - Pre Exposure Delta

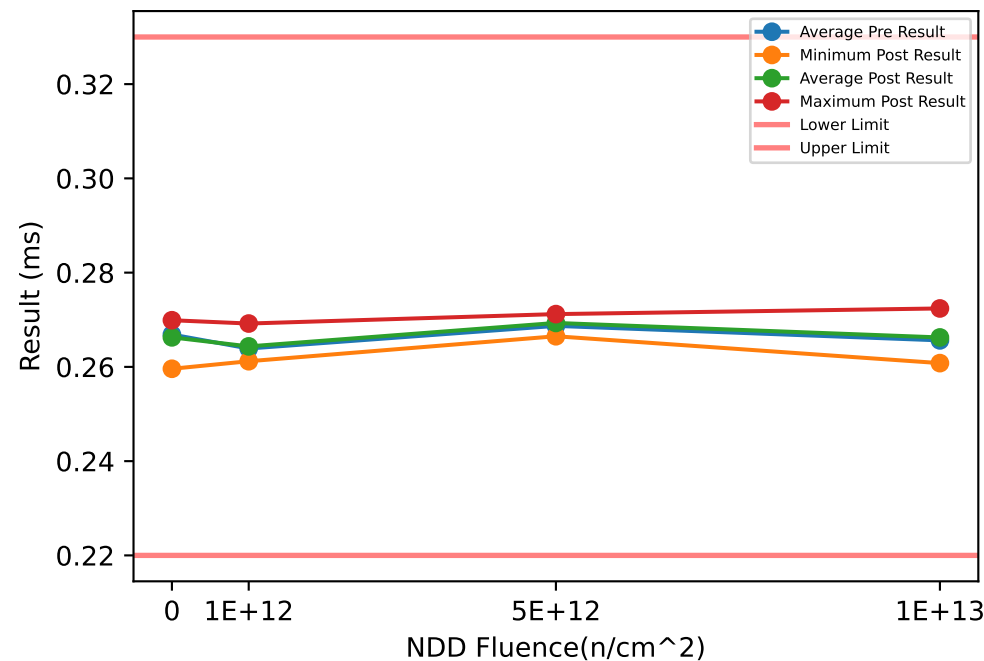


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.867	24.211	24.425	0.30061	23.872	24.218	24.432	0.30216	0.0048	0.0068	0.009	0.0021071
1e+12	23.274	23.617	23.956	0.29432	23.281	23.628	23.972	0.30078	0.0012	0.0115	0.023	0.0096533
5e+12	23.404	23.969	24.346	0.40478	23.389	23.99	24.352	0.41965	-0.0154	0.021675	0.0693	0.036162
1e+13	23.683	24.019	24.252	0.27348	23.666	24.047	24.315	0.30584	-0.0163	0.028025	0.083	0.041013

Device Test: 5.39; DLY_TMR_10KOHM

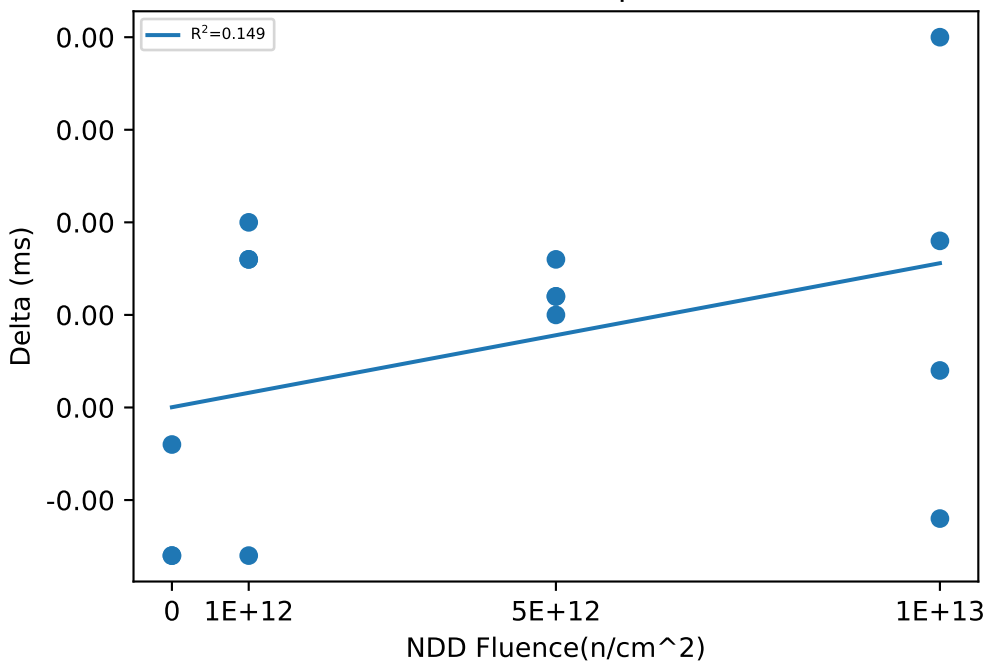
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2615	0.2623	0.0008
315	1e+12	NDD Unbiased	0.2602	0.2612	0.001
316	1e+12	NDD Unbiased	0.27	0.2692	-0.0008
317	1e+12	NDD Unbiased	0.2639	0.2647	0.0008
318	5e+12	NDD Unbiased	0.2706	0.2712	0.0006
319	5e+12	NDD Unbiased	0.2699	0.2704	0.0005
320	5e+12	NDD Unbiased	0.2686	0.2692	0.0006
321	5e+12	NDD Unbiased	0.2657	0.2665	0.0008
322	1e+13	NDD Unbiased	0.2679	0.2699	0.002
323	1e+13	NDD Unbiased	0.261	0.2619	0.0009
324	1e+13	NDD Unbiased	0.2614	0.2608	-0.0006
325	1e+13	NDD Unbiased	0.2722	0.2724	0.0002
326	0	Correlation	0.2604	0.2596	-0.0008
327	0	Correlation	0.2701	0.2699	-0.0002
328	0	Correlation	0.2701	0.2693	-0.0008

NDD vs Post - Pre Exposure Delta

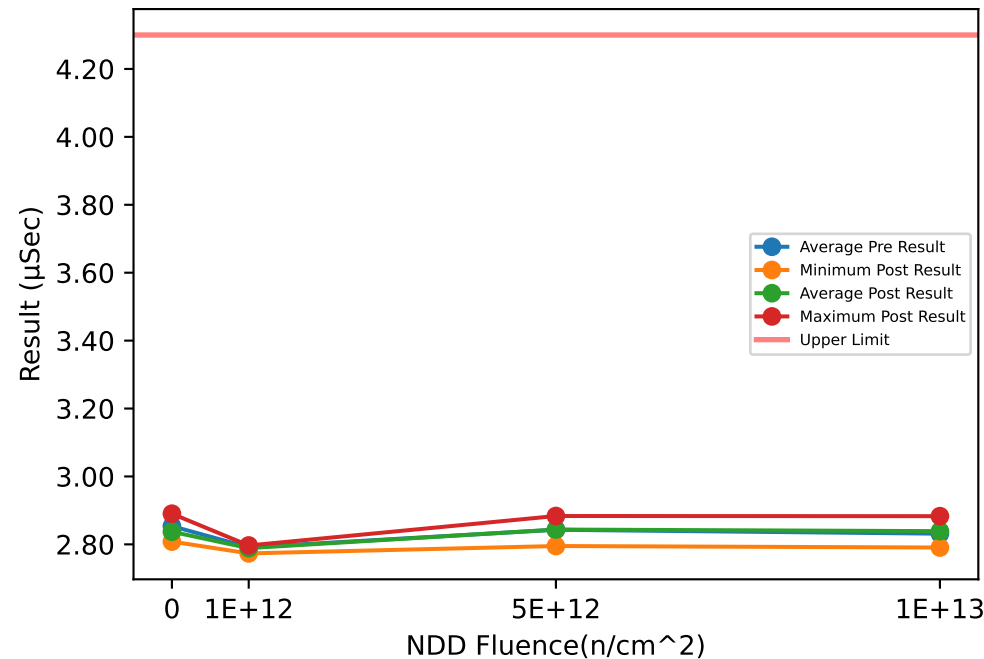


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26687	0.2701	0.0056003	0.2596	0.26627	0.2699	0.0057813	-0.0008	-0.0006	-0.0002	0.00034641
1e+12	0.2602	0.2639	0.27	0.0043459	0.2612	0.26435	0.2692	0.0035482	-0.0008	0.00045	0.001	0.00083865
5e+12	0.2657	0.2687	0.2706	0.0021649	0.2665	0.26932	0.2712	0.0020549	0.0005	0.000625	0.0008	0.00012583
1e+13	0.261	0.26562	0.2722	0.0054052	0.2608	0.26625	0.2724	0.0057669	-0.0006	0.000625	0.002	0.0011026

Device Test: 5.4; PROPD_RESET

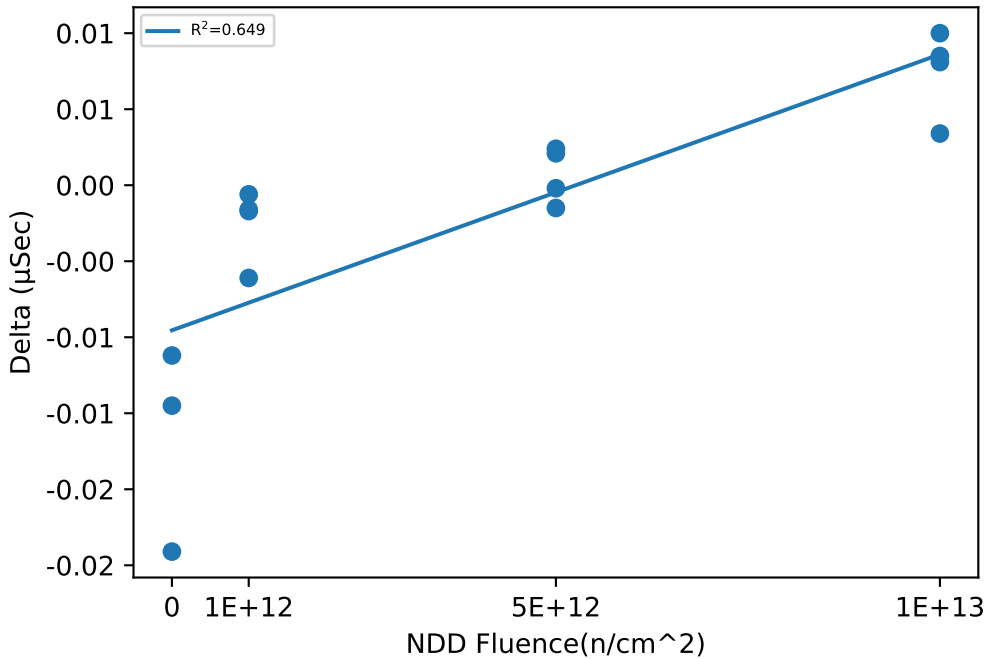
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.791	2.7904	-0.0006
315	1e+12	NDD Unbiased	2.8028	2.7967	-0.0061
316	1e+12	NDD Unbiased	2.7968	2.7951	-0.0017
317	1e+12	NDD Unbiased	2.775	2.7734	-0.0016
318	5e+12	NDD Unbiased	2.885	2.8835	-0.0015
319	5e+12	NDD Unbiased	2.793	2.7951	0.0021
320	5e+12	NDD Unbiased	2.8403	2.8401	-0.0002
321	5e+12	NDD Unbiased	2.8536	2.856	0.0024
322	1e+13	NDD Unbiased	2.8361	2.8442	0.0081
323	1e+13	NDD Unbiased	2.7807	2.7907	0.01
324	1e+13	NDD Unbiased	2.8796	2.883	0.0034
325	1e+13	NDD Unbiased	2.8294	2.8379	0.0085
326	0	Correlation	2.9015	2.8903	-0.0112
327	0	Correlation	2.8371	2.813	-0.0241
328	0	Correlation	2.8227	2.8082	-0.0145

NDD vs Post - Pre Exposure Delta

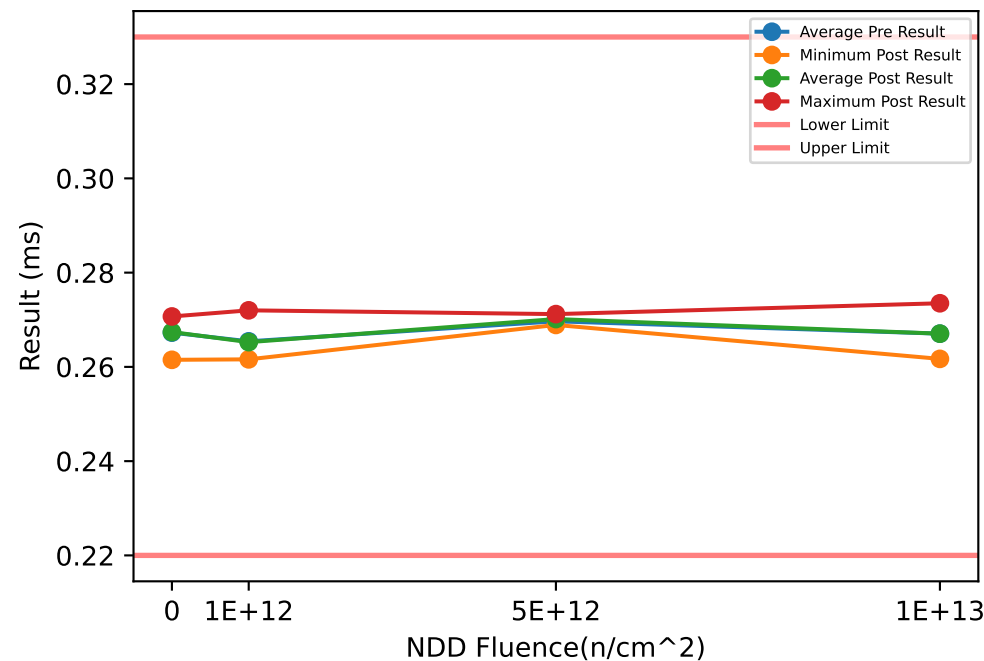


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8227	2.8538	2.9015	0.041961	2.8082	2.8372	2.8903	0.046077	-0.0241	-0.0166	-0.0112	0.0067015
1e+12	2.775	2.7914	2.8028	0.011948	2.7734	2.7889	2.7967	0.010674	-0.0061	-0.0025	-0.0006	0.0024509
5e+12	2.793	2.843	2.885	0.038226	2.7951	2.8437	2.8835	0.037015	-0.0015	0.0007	0.0024	0.0018708
1e+13	2.7807	2.8315	2.8796	0.040496	2.7907	2.839	2.883	0.037847	0.0034	0.0075	0.01	0.0028531

Device Test: 5.40; DLY_TMR_10KOHM

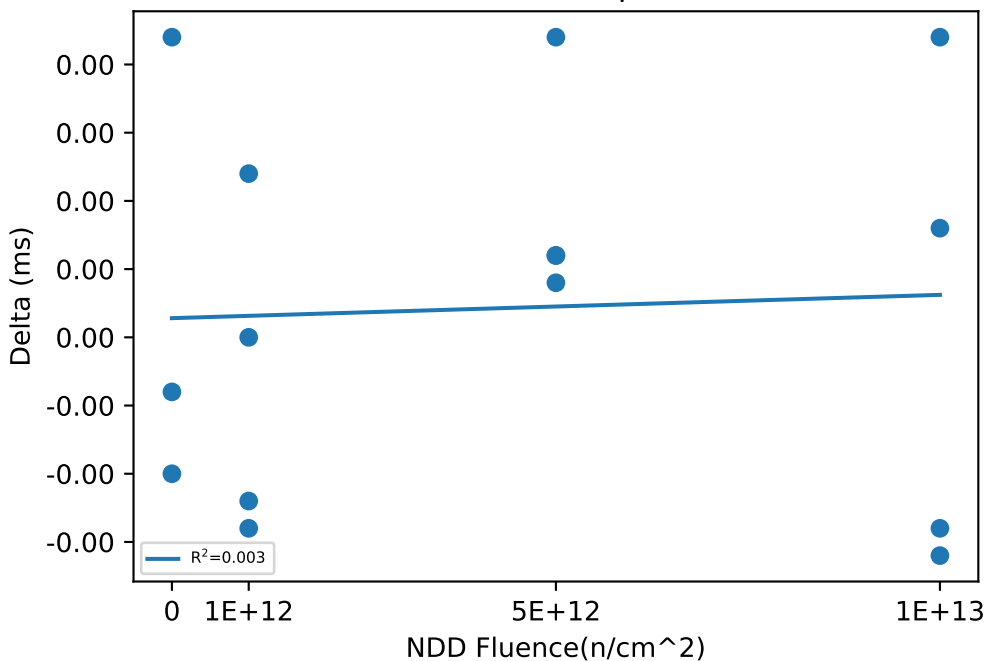
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2622	0.2616	-0.0006
315	1e+12	NDD Unbiased	0.2623	0.2629	0.0006
316	1e+12	NDD Unbiased	0.272	0.272	0
317	1e+12	NDD Unbiased	0.2652	0.2645	-0.0007
318	5e+12	NDD Unbiased	0.2706	0.2709	0.0003
319	5e+12	NDD Unbiased	0.2709	0.2712	0.0003
320	5e+12	NDD Unbiased	0.2694	0.2696	0.0002
321	5e+12	NDD Unbiased	0.2678	0.2689	0.0011
322	1e+13	NDD Unbiased	0.2695	0.2706	0.0011
323	1e+13	NDD Unbiased	0.2632	0.2624	-0.0008
324	1e+13	NDD Unbiased	0.2624	0.2617	-0.0007
325	1e+13	NDD Unbiased	0.2731	0.2735	0.0004
326	0	Correlation	0.262	0.2615	-0.0005
327	0	Correlation	0.2696	0.2707	0.0011
328	0	Correlation	0.2702	0.27	-0.0002

NDD vs Post - Pre Exposure Delta

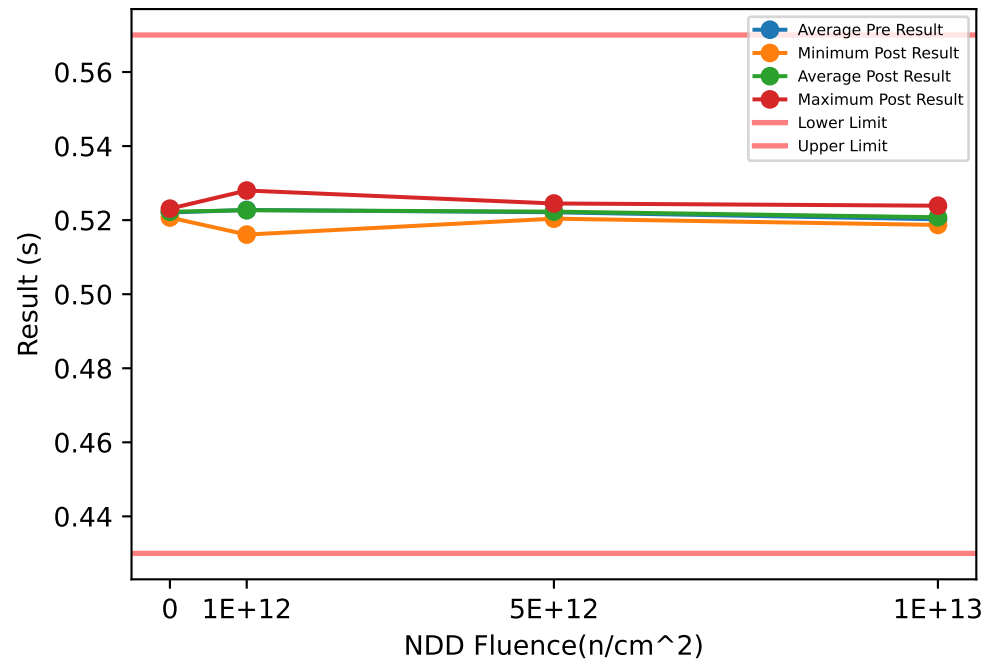


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.26727	0.2702	0.0045709	0.2615	0.2674	0.2707	0.0051215	-0.0005	0.00013333	0.0011	0.00085049
1e+12	0.2622	0.26543	0.272	0.0045988	0.2616	0.26525	0.272	0.0046537	-0.0007	-0.000175	0.0006	0.00060208
5e+12	0.2678	0.26967	0.2709	0.001408	0.2689	0.27015	0.2712	0.0010847	0.0002	0.000475	0.0011	0.00041932
1e+13	0.2624	0.26705	0.2731	0.0051332	0.2617	0.26705	0.2735	0.0059006	-0.0008	0	0.0011	0.00091287

Device Test: 5.41; WD_TMR_10KOHM

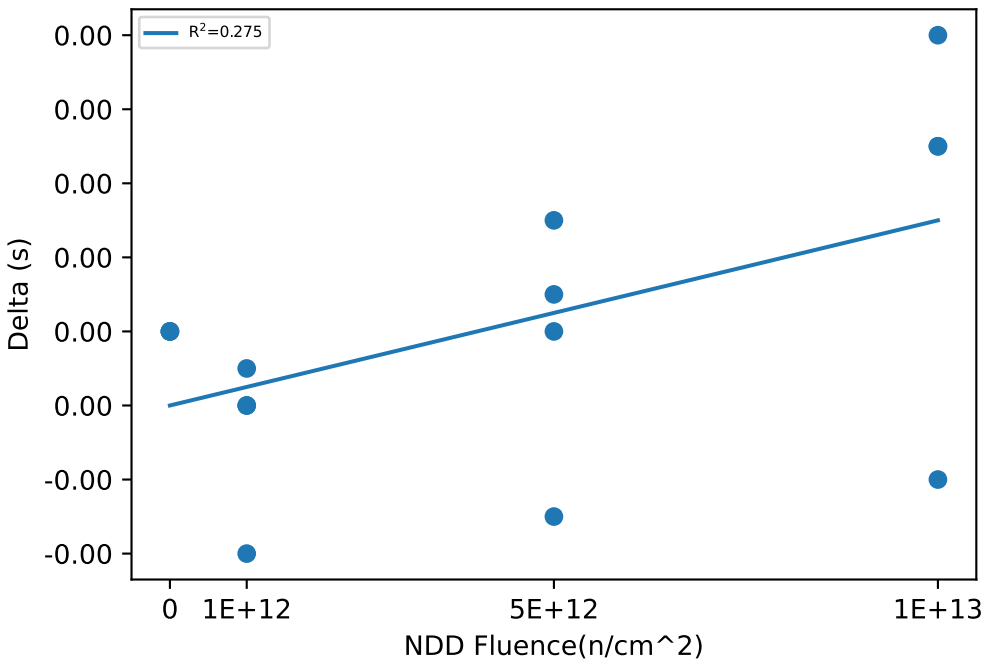
NDD vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.5269	0.5269	0
315	1e+12	NDD Unbiased	0.5284	0.528	-0.0004
316	1e+12	NDD Unbiased	0.5197	0.5197	0
317	1e+12	NDD Unbiased	0.516	0.5161	0.0001
318	5e+12	NDD Unbiased	0.5242	0.5245	0.0003
319	5e+12	NDD Unbiased	0.5207	0.5204	-0.0003
320	5e+12	NDD Unbiased	0.5204	0.5209	0.0005
321	5e+12	NDD Unbiased	0.5232	0.5234	0.0002
322	1e+13	NDD Unbiased	0.5199	0.5197	-0.0002
323	1e+13	NDD Unbiased	0.5198	0.5208	0.001
324	1e+13	NDD Unbiased	0.518	0.5187	0.0007
325	1e+13	NDD Unbiased	0.5232	0.5239	0.0007
326	0	Correlation	0.5228	0.523	0.0002
327	0	Correlation	0.5205	0.5207	0.0002
328	0	Correlation	0.5229	0.5231	0.0002

NDD vs Post - Pre Exposure Delta

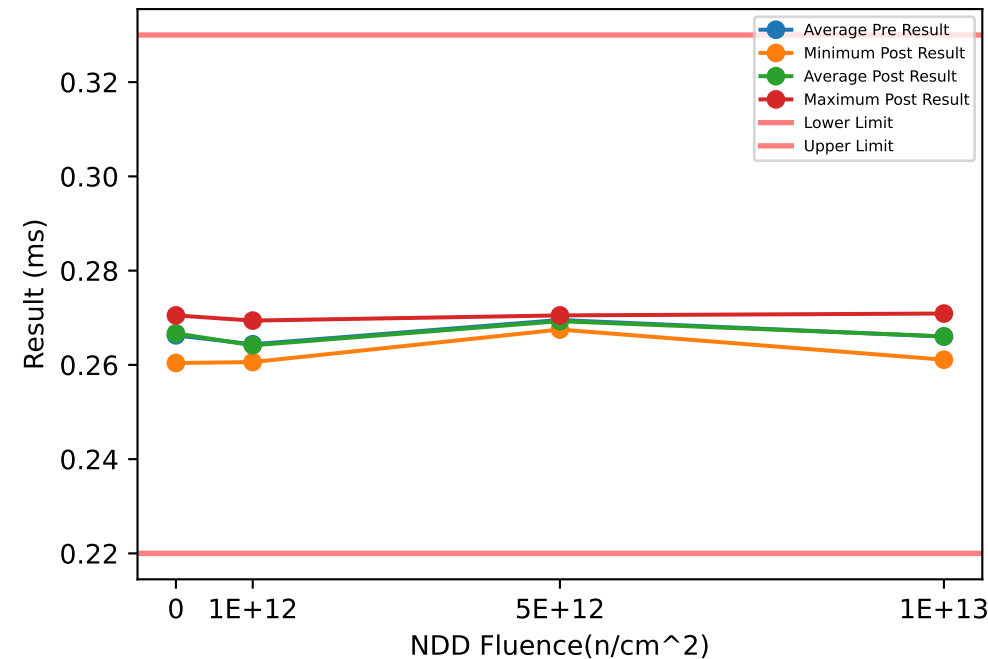


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5205	0.52207	0.5229	0.0013577	0.5207	0.52227	0.5231	0.0013577	0.0002	0.0002	0.0002	6.4097e-17
1e+12	0.516	0.52275	0.5284	0.0058881	0.5161	0.52268	0.528	0.0057239	-0.0004	-7.5e-05	0.0001	0.00022174
5e+12	0.5204	0.52212	0.5242	0.0018679	0.5204	0.5223	0.5245	0.0019681	-0.0003	0.000175	0.0005	0.00034034
1e+13	0.518	0.52023	0.5232	0.002167	0.5187	0.52077	0.5239	0.002253	-0.0002	0.00055	0.001	0.00051962

Device Test: 5.42; DLY_TMR_10KOHM

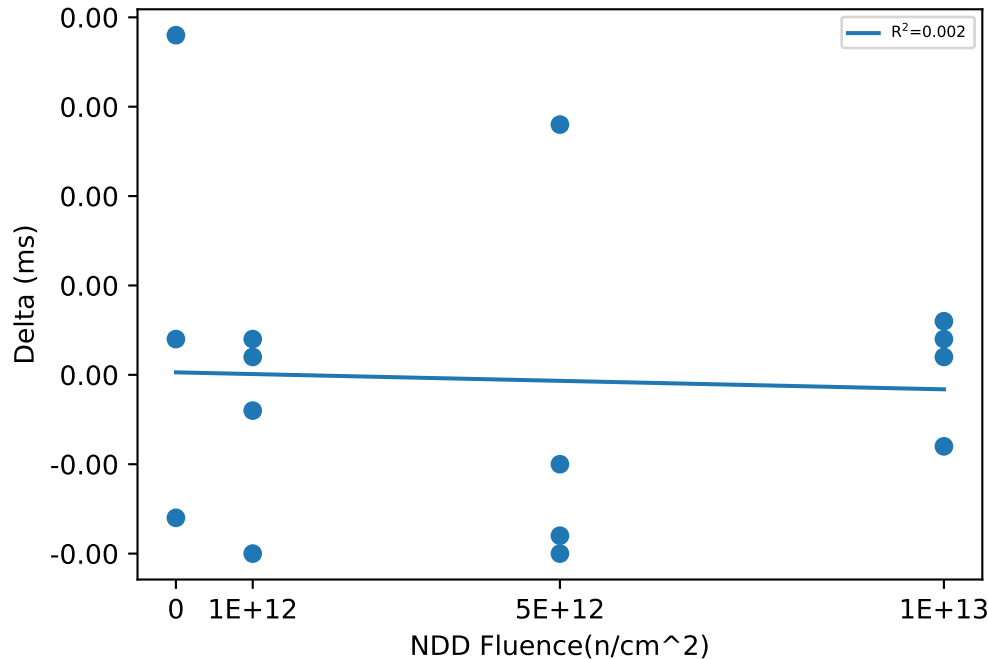
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2621	0.2619	-0.0002
315	1e+12	NDD Unbiased	0.2616	0.2606	-0.001
316	1e+12	NDD Unbiased	0.2693	0.2694	0.0001
317	1e+12	NDD Unbiased	0.2645	0.2647	0.0002
318	5e+12	NDD Unbiased	0.271	0.2705	-0.0005
319	5e+12	NDD Unbiased	0.2712	0.2702	-0.001
320	5e+12	NDD Unbiased	0.2698	0.2689	-0.0009
321	5e+12	NDD Unbiased	0.2661	0.2675	0.0014
322	1e+13	NDD Unbiased	0.2696	0.2698	0.0002
323	1e+13	NDD Unbiased	0.2623	0.2624	0.0001
324	1e+13	NDD Unbiased	0.2615	0.2611	-0.0004
325	1e+13	NDD Unbiased	0.2706	0.2709	0.0003
326	0	Correlation	0.2602	0.2604	0.0002
327	0	Correlation	0.2686	0.2705	0.0019
328	0	Correlation	0.27	0.2692	-0.0008

NDD vs Post - Pre Exposure Delta

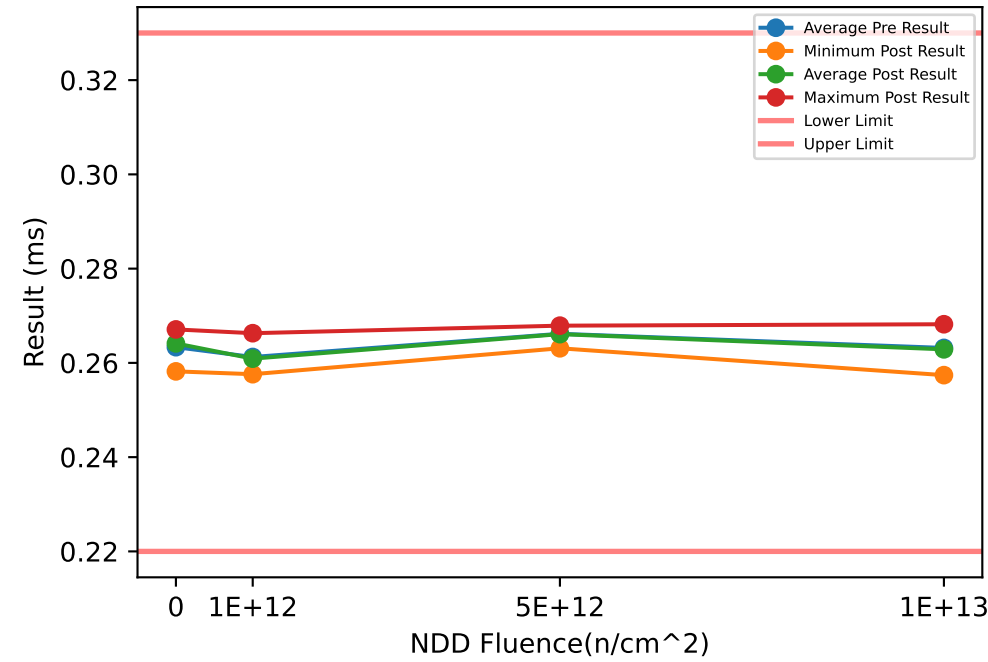


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26627	0.27	0.0053003	0.2604	0.2667	0.2705	0.0054945	-0.0008	0.00043333	0.0019	0.001365
1e+12	0.2616	0.26438	0.2693	0.0035189	0.2606	0.26415	0.2694	0.0038957	-0.001	-0.000225	0.0002	0.00054391
5e+12	0.2661	0.26953	0.2712	0.0023656	0.2675	0.26927	0.2705	0.001372	-0.001	-0.00025	0.0014	0.001121
1e+13	0.2615	0.266	0.2706	0.0047631	0.2611	0.26605	0.2709	0.0050136	-0.0004	5e-05	0.0003	0.00031091

Device Test: 5.43; DLY_TMR_10KOHM

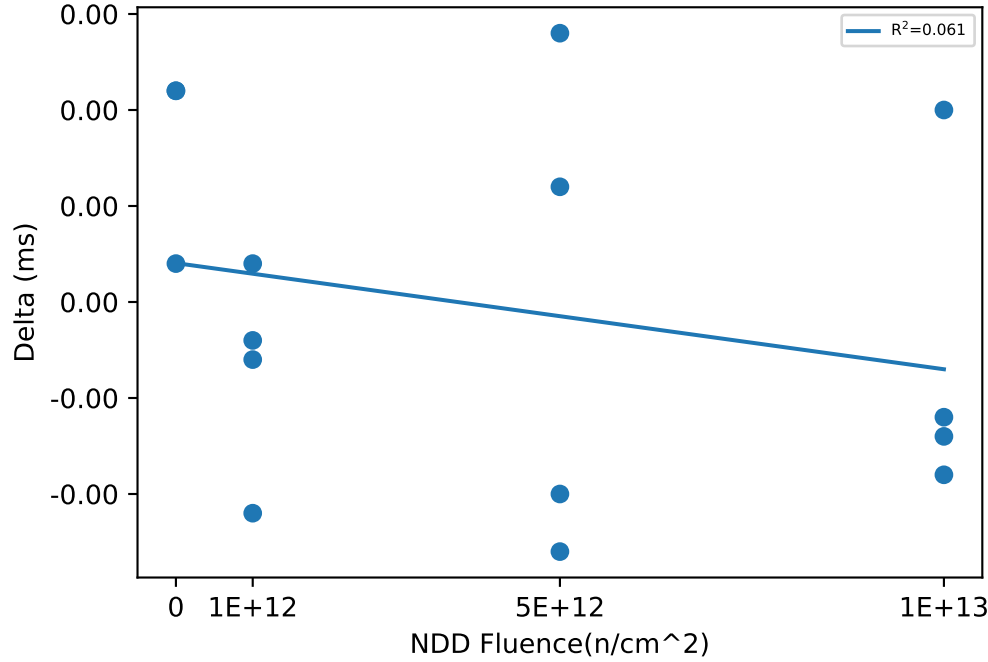
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2574	0.2576	0.0002
315	1e+12	NDD Unbiased	0.2587	0.2584	-0.0003
316	1e+12	NDD Unbiased	0.2674	0.2663	-0.0011
317	1e+12	NDD Unbiased	0.2615	0.2613	-0.0002
318	5e+12	NDD Unbiased	0.2673	0.2679	0.0006
319	5e+12	NDD Unbiased	0.2675	0.2665	-0.001
320	5e+12	NDD Unbiased	0.2655	0.2669	0.0014
321	5e+12	NDD Unbiased	0.2644	0.2631	-0.0013
322	1e+13	NDD Unbiased	0.2664	0.2657	-0.0007
323	1e+13	NDD Unbiased	0.2592	0.2602	0.001
324	1e+13	NDD Unbiased	0.2583	0.2574	-0.0009
325	1e+13	NDD Unbiased	0.2688	0.2682	-0.0006
326	0	Correlation	0.258	0.2582	0.0002
327	0	Correlation	0.266	0.2671	0.0011
328	0	Correlation	0.266	0.2671	0.0011

NDD vs Post - Pre Exposure Delta

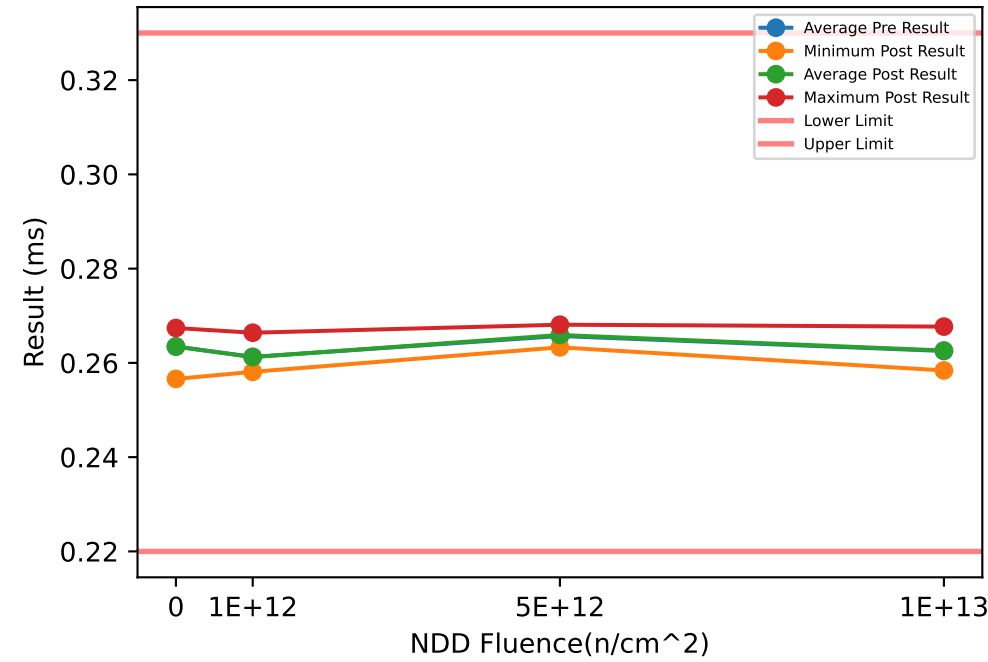


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26333	0.266	0.0046188	0.2582	0.26413	0.2671	0.0051384	0.0002	0.0008	0.0011	0.00051962
1e+12	0.2574	0.26125	0.2674	0.0044426	0.2576	0.2609	0.2663	0.0039353	-0.0011	-0.00035	0.0002	0.00054467
5e+12	0.2644	0.26617	0.2675	0.0014863	0.2631	0.2661	0.2679	0.0020849	-0.0013	-7.5e-05	0.0014	0.0012894
1e+13	0.2583	0.26317	0.2688	0.0052156	0.2574	0.26287	0.2682	0.0049487	-0.0009	-0.0003	0.001	0.0008756

Device Test: 5.44; DLY_TMR_10KOHM

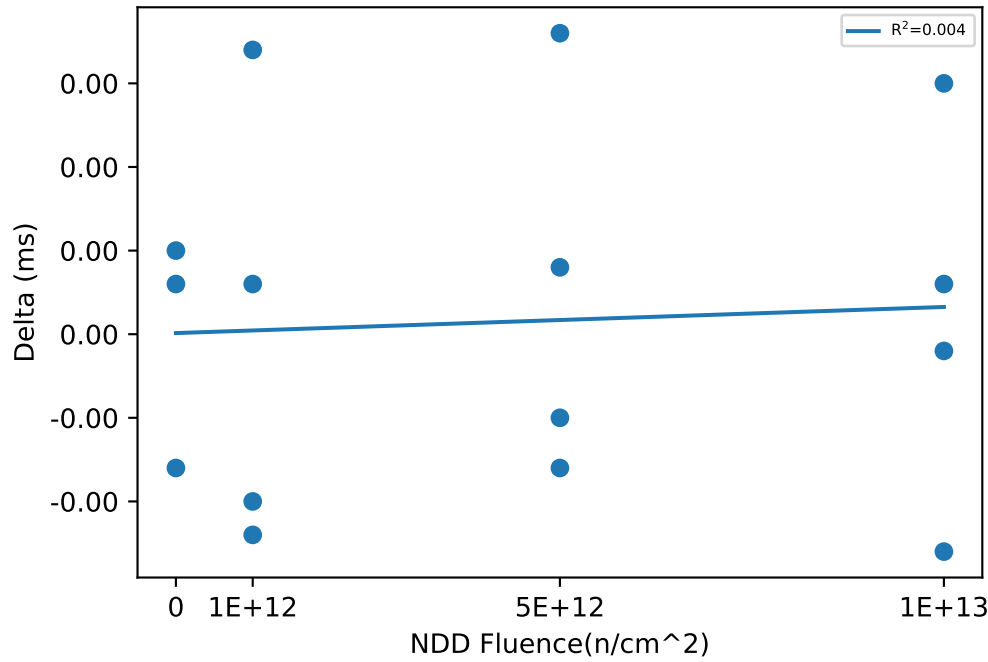
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2591	0.2581	-0.001
315	1e+12	NDD Unbiased	0.2573	0.259	0.0017
316	1e+12	NDD Unbiased	0.2676	0.2664	-0.0012
317	1e+12	NDD Unbiased	0.2611	0.2614	0.0003
318	5e+12	NDD Unbiased	0.2676	0.2668	-0.0008
319	5e+12	NDD Unbiased	0.2663	0.2681	0.0018
320	5e+12	NDD Unbiased	0.266	0.2655	-0.0005
321	5e+12	NDD Unbiased	0.2629	0.2633	0.0004
322	1e+13	NDD Unbiased	0.2655	0.2654	-0.0001
323	1e+13	NDD Unbiased	0.2587	0.259	0.0003
324	1e+13	NDD Unbiased	0.2569	0.2584	0.0015
325	1e+13	NDD Unbiased	0.269	0.2677	-0.0013
326	0	Correlation	0.2574	0.2566	-0.0008
327	0	Correlation	0.2671	0.2674	0.0003
328	0	Correlation	0.2659	0.2664	0.0005

NDD vs Post - Pre Exposure Delta

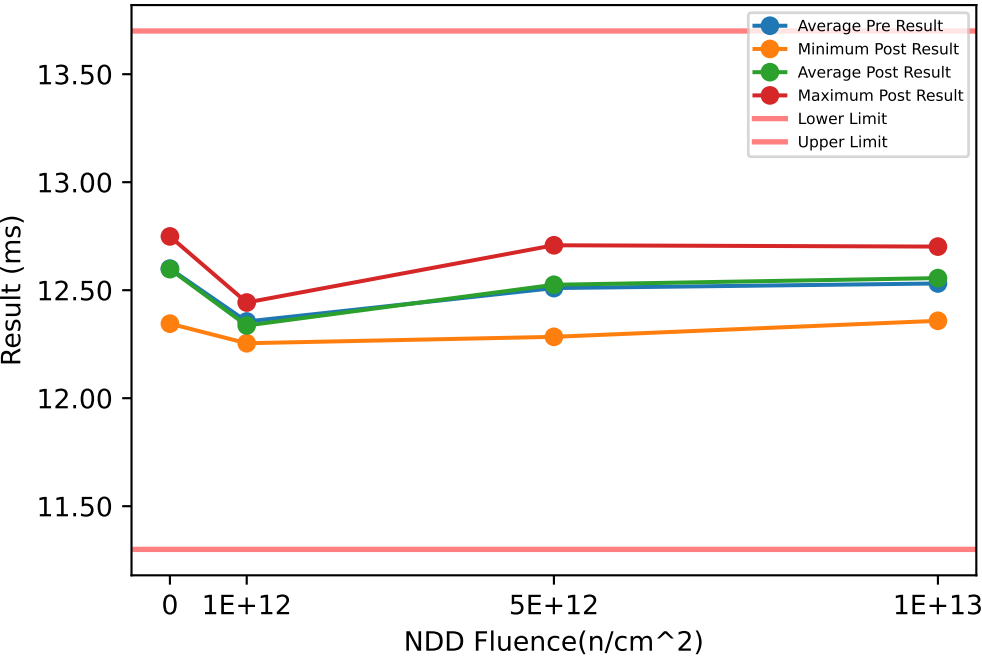


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26347	0.2671	0.005288	0.2566	0.26347	0.2674	0.0059677	-0.0008	0	0.0005	0.0007
1e+12	0.2573	0.26127	0.2676	0.0044932	0.2581	0.26123	0.2664	0.0037206	-0.0012	-5e-05	0.0017	0.0013429
5e+12	0.2629	0.2657	0.2676	0.0019916	0.2633	0.26592	0.2681	0.0020467	-0.0008	0.000225	0.0018	0.0011673
1e+13	0.2569	0.26253	0.269	0.0056876	0.2584	0.26262	0.2677	0.0046349	-0.0013	0.0001	0.0015	0.0011547

Device Test: 5.45; DLY_TMR_500KOHM

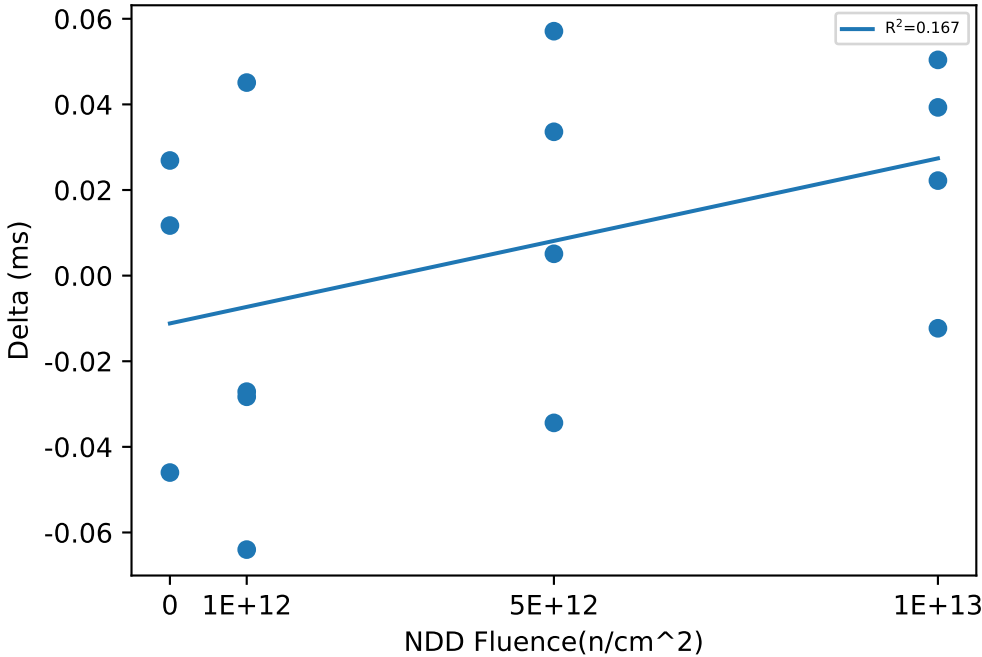
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.393	12.365	-0.0271
315	1e+12	NDD Unbiased	12.283	12.254	-0.0283
316	1e+12	NDD Unbiased	12.239	12.284	0.0451
317	1e+12	NDD Unbiased	12.507	12.443	-0.064
318	5e+12	NDD Unbiased	12.651	12.708	0.0571
319	5e+12	NDD Unbiased	12.582	12.587	0.0051
320	5e+12	NDD Unbiased	12.488	12.522	0.0336
321	5e+12	NDD Unbiased	12.319	12.284	-0.0344
322	1e+13	NDD Unbiased	12.647	12.698	0.0504
323	1e+13	NDD Unbiased	12.371	12.358	-0.0123
324	1e+13	NDD Unbiased	12.427	12.466	0.0393
325	1e+13	NDD Unbiased	12.68	12.702	0.0222
326	0	Correlation	12.391	12.345	-0.046
327	0	Correlation	12.671	12.698	0.0269
328	0	Correlation	12.737	12.749	0.0117

NDD vs Post - Pre Exposure Delta

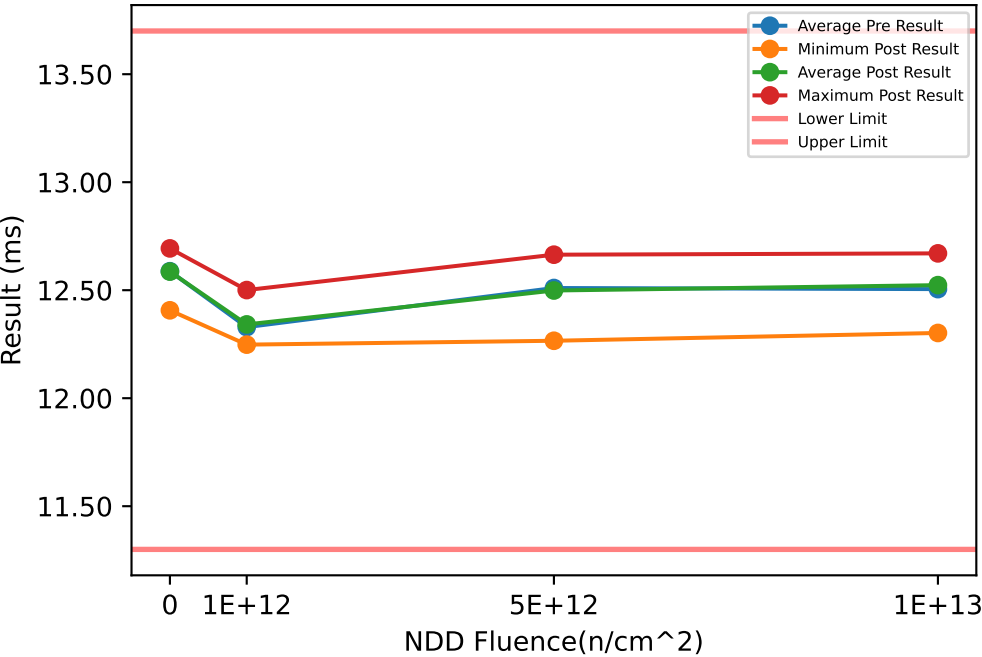


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.391	12.6	12.737	0.18379	12.345	12.597	12.749	0.21998	-0.046	-0.0024667	0.0269	0.038459
1e+12	12.239	12.355	12.507	0.12015	12.254	12.337	12.443	0.085081	-0.064	-0.018575	0.0451	0.045772
5e+12	12.319	12.51	12.651	0.14391	12.284	12.525	12.708	0.17827	-0.0344	0.01535	0.0571	0.039396
1e+13	12.371	12.531	12.68	0.15516	12.358	12.556	12.702	0.17179	-0.0123	0.0249	0.0504	0.027378

Device Test: 5.46; DLY_TMR_500KOHM

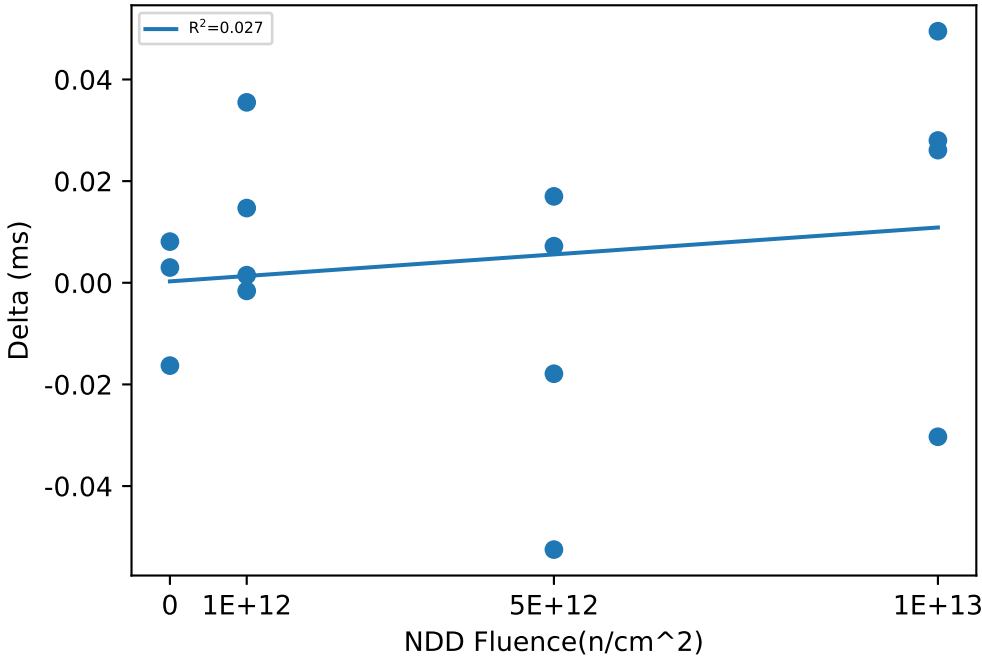
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.331	12.367	0.0355
315	1e+12	NDD Unbiased	12.25	12.248	-0.0016
316	1e+12	NDD Unbiased	12.249	12.251	0.0015
317	1e+12	NDD Unbiased	12.486	12.501	0.0147
318	5e+12	NDD Unbiased	12.657	12.664	0.0072
319	5e+12	NDD Unbiased	12.613	12.56	-0.0525
320	5e+12	NDD Unbiased	12.487	12.504	0.017
321	5e+12	NDD Unbiased	12.284	12.266	-0.0179
322	1e+13	NDD Unbiased	12.604	12.653	0.0495
323	1e+13	NDD Unbiased	12.332	12.302	-0.0303
324	1e+13	NDD Unbiased	12.44	12.468	0.028
325	1e+13	NDD Unbiased	12.644	12.671	0.0261
326	0	Correlation	12.404	12.407	0.003
327	0	Correlation	12.65	12.658	0.0081
328	0	Correlation	12.71	12.694	-0.0163

NDD vs Post - Pre Exposure Delta

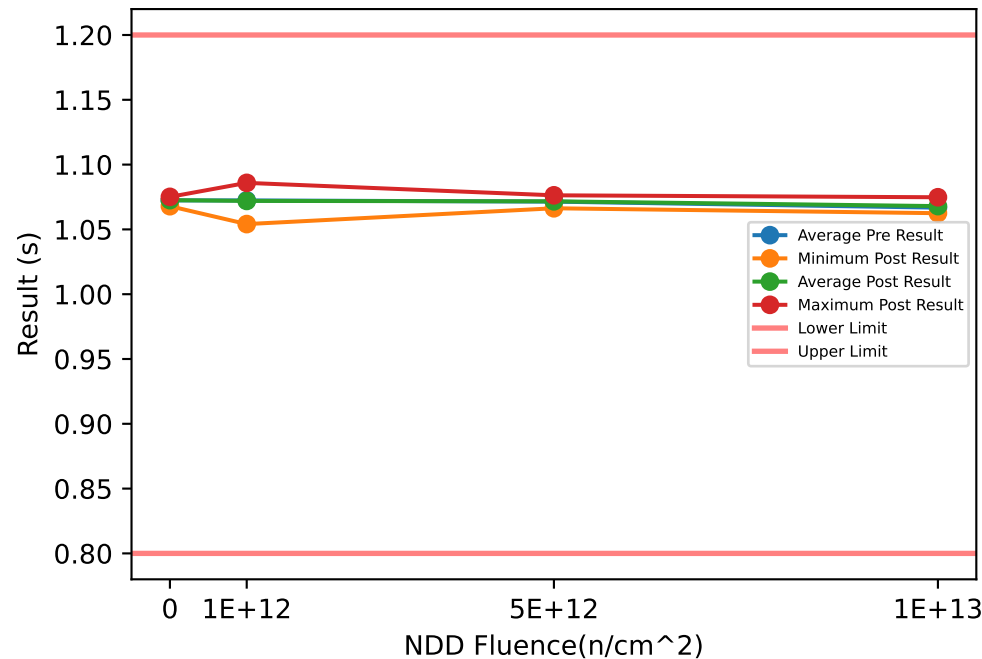


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.404	12.588	12.71	0.16209	12.407	12.586	12.694	0.15621	-0.0163	-0.0017333	0.0081	0.01287
1e+12	12.249	12.329	12.486	0.11143	12.248	12.342	12.501	0.11956	-0.0016	0.012525	0.0355	0.016869
5e+12	12.284	12.51	12.657	0.1673	12.266	12.499	12.664	0.1688	-0.0525	-0.01155	0.017	0.031005
1e+13	12.332	12.505	12.644	0.14524	12.302	12.523	12.671	0.17381	-0.0303	0.018325	0.0495	0.034109

Device Test: 5.47; WD_TMR_500KOHM

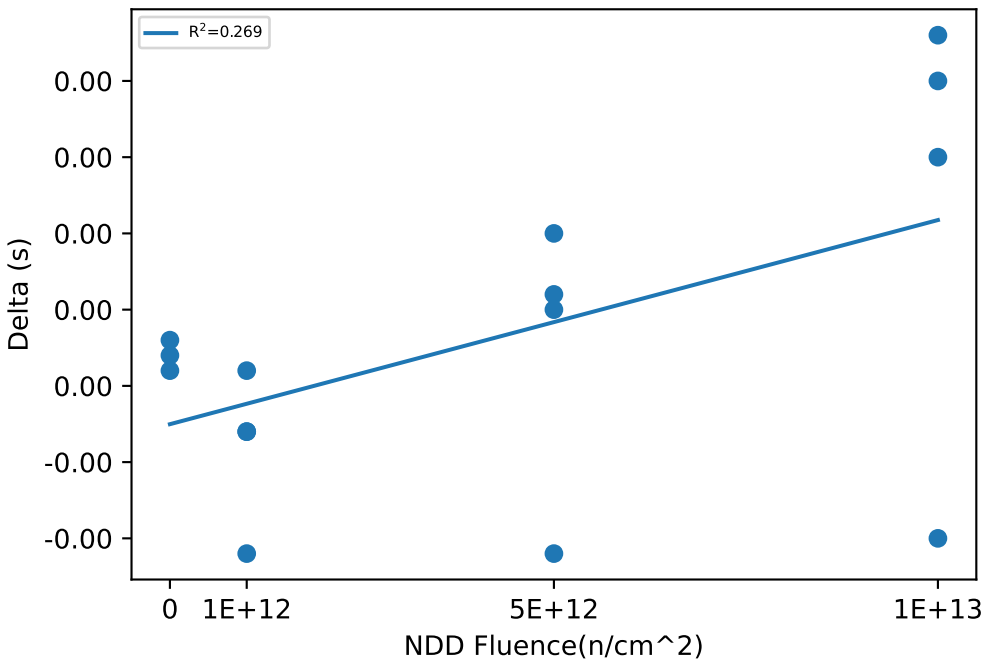
NDD vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0852	1.0849	-0.0003
315	1e+12	NDD Unbiased	1.087	1.0859	-0.0011
316	1e+12	NDD Unbiased	1.0633	1.063	-0.0003
317	1e+12	NDD Unbiased	1.054	1.0541	0.0001
318	5e+12	NDD Unbiased	1.0754	1.0759	0.0005
319	5e+12	NDD Unbiased	1.0693	1.0682	-0.0011
320	5e+12	NDD Unbiased	1.0653	1.0663	0.001
321	5e+12	NDD Unbiased	1.0757	1.0763	0.0006
322	1e+13	NDD Unbiased	1.0673	1.0663	-0.001
323	1e+13	NDD Unbiased	1.066	1.0683	0.0023
324	1e+13	NDD Unbiased	1.061	1.0625	0.0015
325	1e+13	NDD Unbiased	1.0728	1.0748	0.002
326	0	Correlation	1.0745	1.0747	0.0002
327	0	Correlation	1.0676	1.0679	0.0003
328	0	Correlation	1.075	1.0751	0.0001

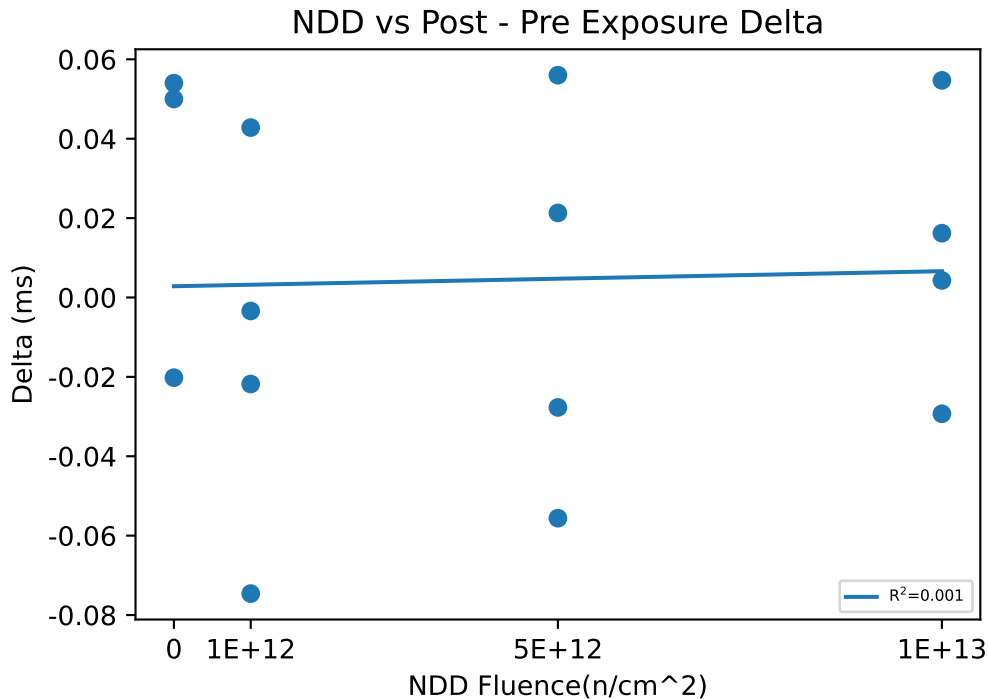
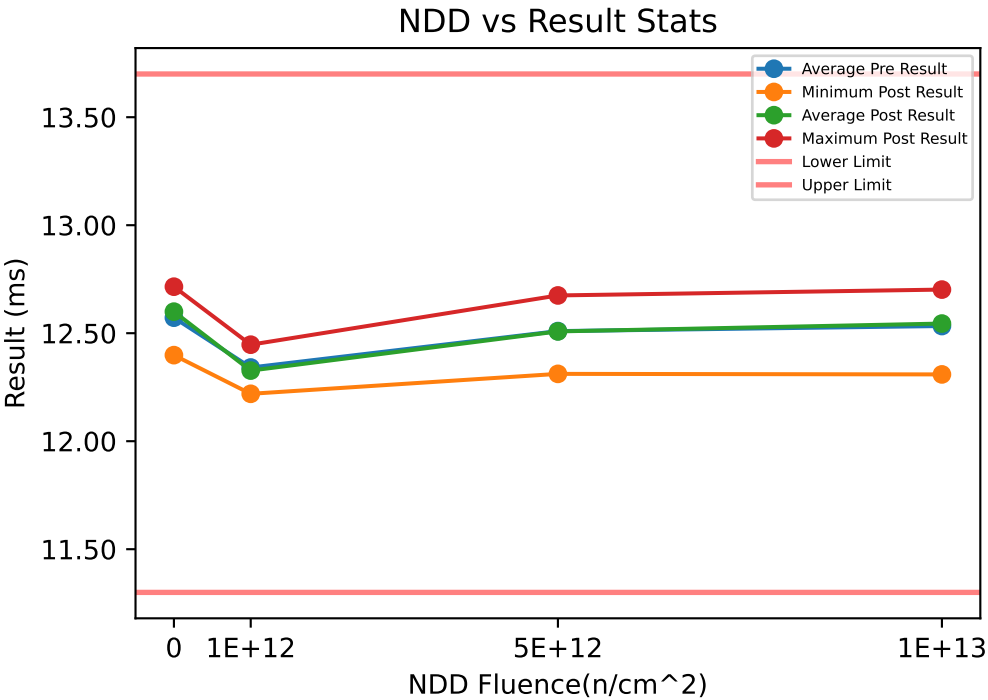
NDD vs Post - Pre Exposure Delta



Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0676	1.0724	1.075	0.0041356	1.0679	1.0726	1.0751	0.0040464	0.0001	0.0002	0.0003	0.0001
1e+12	1.054	1.0724	1.087	0.016313	1.0541	1.072	1.0859	0.015927	-0.0011	-0.0004	0.0001	0.00050332
5e+12	1.0653	1.0714	1.0757	0.0050368	1.0663	1.0717	1.0763	0.0051707	-0.0011	0.00025	0.001	0.00092556
1e+13	1.061	1.0668	1.0728	0.0048486	1.0625	1.068	1.0748	0.0051468	-0.001	0.0012	0.0023	0.0015033

Device Test: 5.48; DLY_TMR_500KOHM



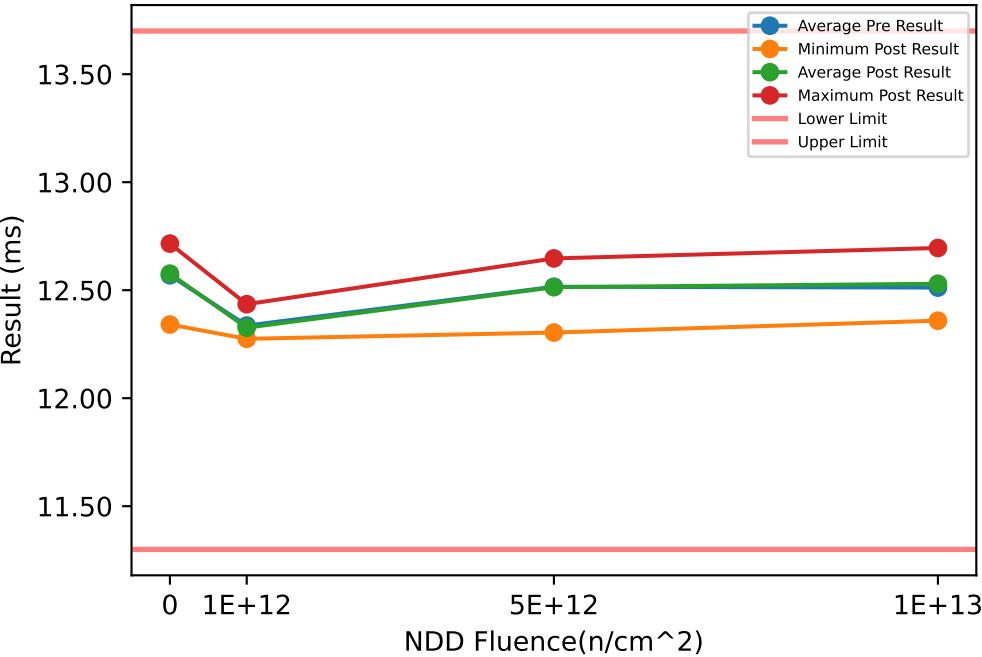
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.361	12.404	0.0428
315	1e+12	NDD Unbiased	12.294	12.219	-0.0746
316	1e+12	NDD Unbiased	12.241	12.237	-0.0034
317	1e+12	NDD Unbiased	12.469	12.447	-0.0218
318	5e+12	NDD Unbiased	12.653	12.675	0.0213
319	5e+12	NDD Unbiased	12.6	12.545	-0.0556
320	5e+12	NDD Unbiased	12.53	12.502	-0.0277
321	5e+12	NDD Unbiased	12.256	12.312	0.056
322	1e+13	NDD Unbiased	12.647	12.702	0.0547
323	1e+13	NDD Unbiased	12.338	12.309	-0.0293
324	1e+13	NDD Unbiased	12.466	12.47	0.0043
325	1e+13	NDD Unbiased	12.681	12.697	0.0162
326	0	Correlation	12.344	12.398	0.054
327	0	Correlation	12.636	12.685	0.05
328	0	Correlation	12.736	12.715	-0.0202

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.344	12.572	12.736	0.20318	12.398	12.6	12.715	0.175	-0.0202	0.027933	0.054	0.041733
1e+12	12.241	12.341	12.469	0.098297	12.219	12.327	12.447	0.1154	-0.0746	-0.01425	0.0428	0.048551
5e+12	12.256	12.51	12.653	0.1768	12.312	12.508	12.675	0.15026	-0.0556	-0.0015	0.056	0.049797
1e+13	12.338	12.533	12.681	0.16059	12.309	12.545	12.702	0.19067	-0.0293	0.011475	0.0547	0.034664

Device Test: 5.49; DLY_TMR_500KOHM

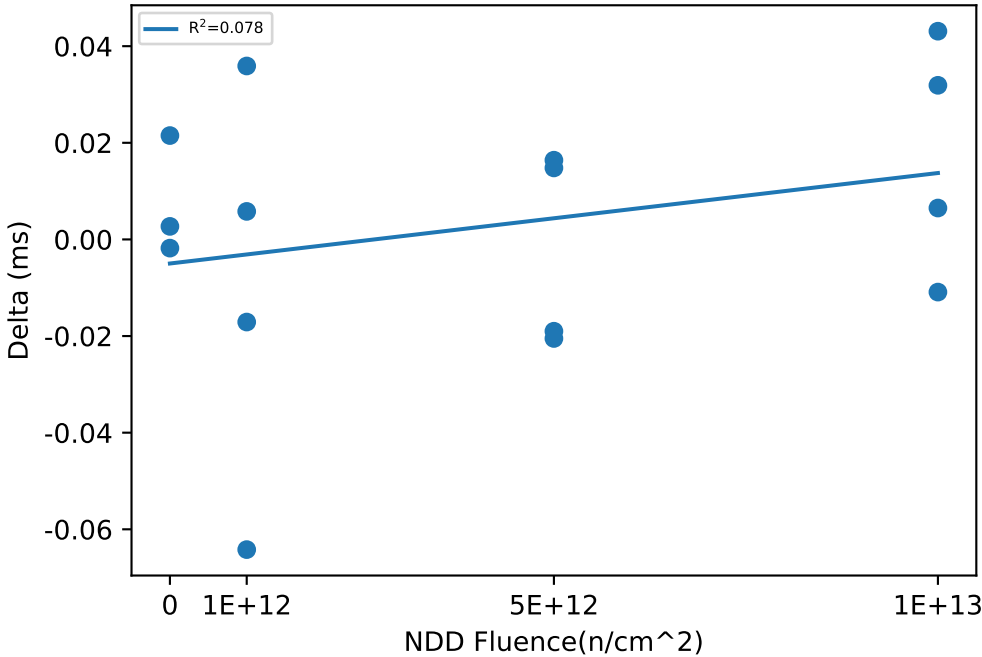
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.369	12.305	-0.0642
315	1e+12	NDD Unbiased	12.292	12.275	-0.0171
316	1e+12	NDD Unbiased	12.255	12.29	0.0359
317	1e+12	NDD Unbiased	12.429	12.435	0.0058
318	5e+12	NDD Unbiased	12.668	12.647	-0.0205
319	5e+12	NDD Unbiased	12.563	12.578	0.0148
320	5e+12	NDD Unbiased	12.511	12.527	0.0164
321	5e+12	NDD Unbiased	12.323	12.304	-0.019
322	1e+13	NDD Unbiased	12.623	12.666	0.0431
323	1e+13	NDD Unbiased	12.37	12.359	-0.0109
324	1e+13	NDD Unbiased	12.367	12.399	0.0319
325	1e+13	NDD Unbiased	12.689	12.695	0.0065
326	0	Correlation	12.343	12.341	-0.0018
327	0	Correlation	12.67	12.673	0.0027
328	0	Correlation	12.694	12.716	0.0215

NDD vs Post - Pre Exposure Delta

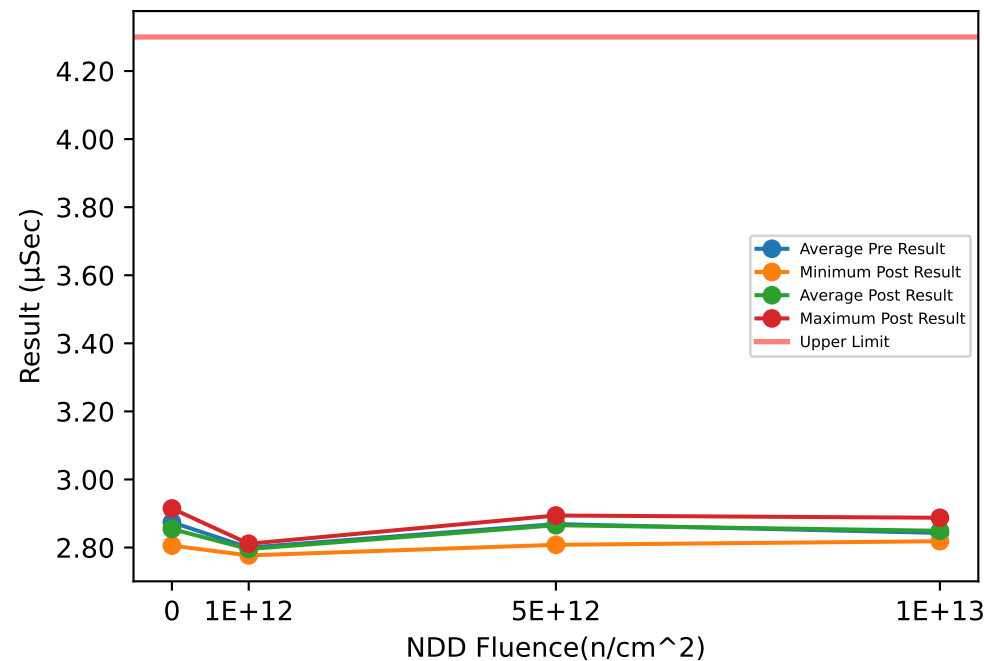


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.343	12.569	12.694	0.19622	12.341	12.577	12.716	0.205	-0.0018	0.0074667	0.0215	0.01236
1e+12	12.255	12.336	12.429	0.078261	12.275	12.326	12.435	0.073587	-0.0642	-0.0099	0.0359	0.042208
5e+12	12.323	12.516	12.668	0.14433	12.304	12.514	12.647	0.1484	-0.0205	-0.002075	0.0164	0.020429
1e+13	12.367	12.512	12.689	0.16827	12.359	12.53	12.695	0.17552	-0.0109	0.01765	0.0431	0.024428

Device Test: 5.5; PROPD_RESET

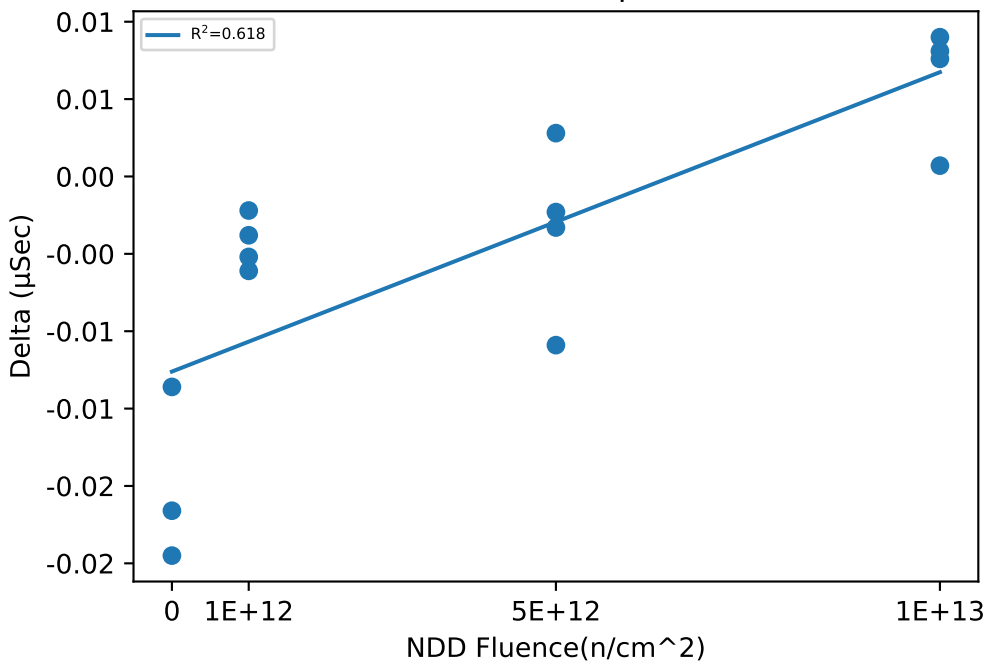
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.8077	2.8016	-0.0061
315	1e+12	NDD Unbiased	2.7807	2.7769	-0.0038
316	1e+12	NDD Unbiased	2.7976	2.7924	-0.0052
317	1e+12	NDD Unbiased	2.8134	2.8112	-0.0022
318	5e+12	NDD Unbiased	2.895	2.8927	-0.0023
319	5e+12	NDD Unbiased	2.8052	2.808	0.0028
320	5e+12	NDD Unbiased	2.8707	2.8674	-0.0033
321	5e+12	NDD Unbiased	2.905	2.8941	-0.0109
322	1e+13	NDD Unbiased	2.8359	2.844	0.0081
323	1e+13	NDD Unbiased	2.8095	2.8185	0.009
324	1e+13	NDD Unbiased	2.8868	2.8875	0.0007
325	1e+13	NDD Unbiased	2.8394	2.847	0.0076
326	0	Correlation	2.9365	2.9149	-0.0216
327	0	Correlation	2.8562	2.8426	-0.0136
328	0	Correlation	2.8302	2.8057	-0.0245

NDD vs Post - Pre Exposure Delta

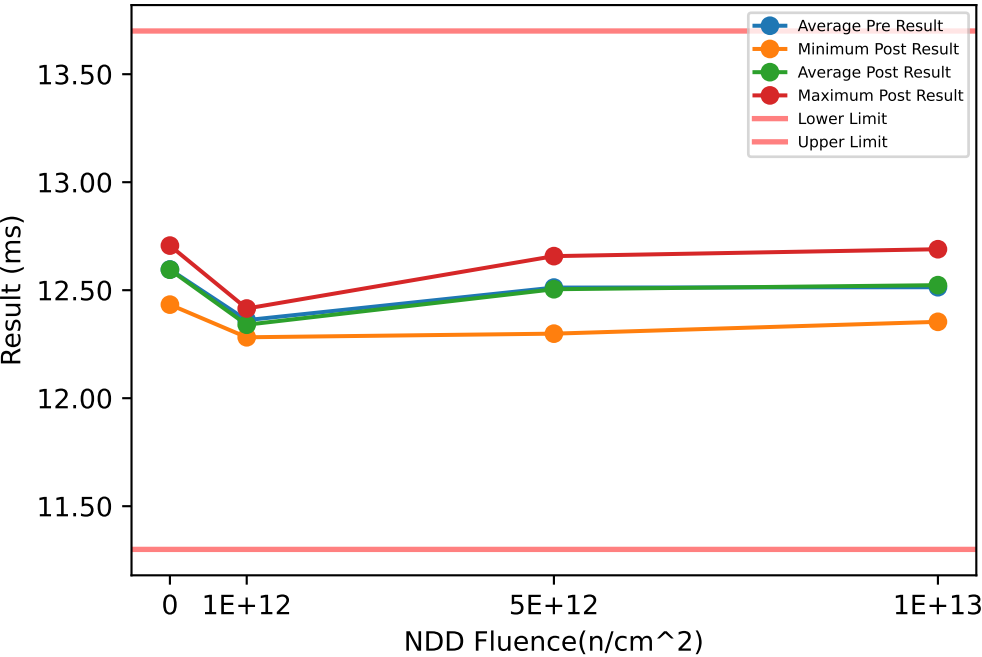


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8302	2.8743	2.9365	0.055413	2.8057	2.8544	2.9149	0.055548	-0.0245	-0.0199	-0.0136	0.0056454
1e+12	2.7807	2.7999	2.8134	0.014341	2.7769	2.7955	2.8112	0.014598	-0.0061	-0.004325	-0.0022	0.0017037
5e+12	2.8052	2.869	2.905	0.04489	2.808	2.8655	2.8941	0.040281	-0.0109	-0.003425	0.0028	0.0056541
1e+13	2.8095	2.8429	2.8868	0.032166	2.8185	2.8493	2.8875	0.028526	0.0007	0.00635	0.009	0.0038109

Device Test: 5.50; DLY_TMR_500KOHM

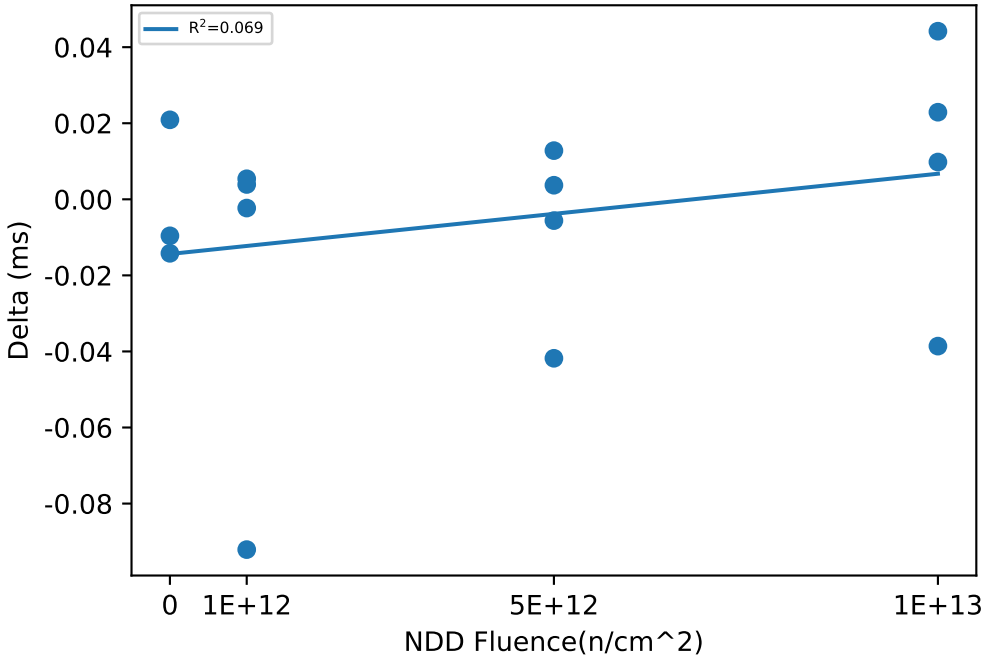
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.382	12.38	-0.0023
315	1e+12	NDD Unbiased	12.278	12.282	0.0039
316	1e+12	NDD Unbiased	12.278	12.283	0.0054
317	1e+12	NDD Unbiased	12.507	12.415	-0.0921
318	5e+12	NDD Unbiased	12.645	12.658	0.0128
319	5e+12	NDD Unbiased	12.542	12.546	0.0037
320	5e+12	NDD Unbiased	12.557	12.515	-0.0418
321	5e+12	NDD Unbiased	12.304	12.299	-0.0056
322	1e+13	NDD Unbiased	12.616	12.661	0.0442
323	1e+13	NDD Unbiased	12.331	12.354	0.0229
324	1e+13	NDD Unbiased	12.428	12.389	-0.0386
325	1e+13	NDD Unbiased	12.68	12.69	0.0098
326	0	Correlation	12.412	12.433	0.0209
327	0	Correlation	12.659	12.645	-0.0142
328	0	Correlation	12.716	12.707	-0.0096

NDD vs Post - Pre Exposure Delta

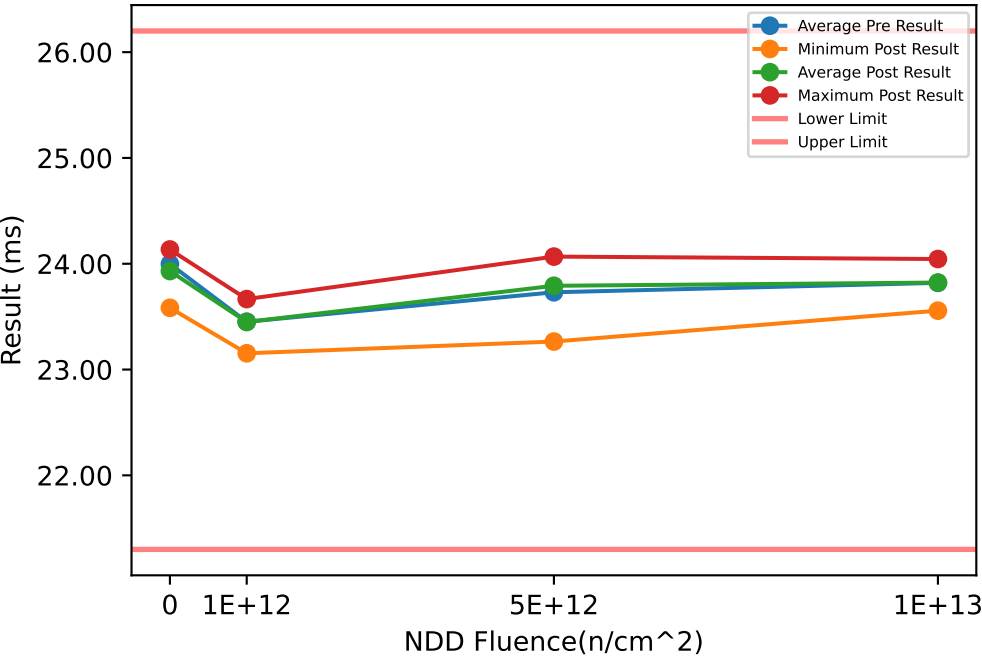


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.412	12.596	12.716	0.1615	12.433	12.595	12.707	0.14337	-0.0142	-0.00096667	0.0209	0.019076
1e+12	12.278	12.361	12.507	0.10896	12.282	12.34	12.415	0.067879	-0.0921	-0.021275	0.0054	0.047334
5e+12	12.304	12.512	12.645	0.14572	12.299	12.504	12.658	0.15013	-0.0418	-0.007725	0.0128	0.023926
1e+13	12.331	12.514	12.68	0.16228	12.354	12.523	12.69	0.17632	-0.0386	0.009575	0.0442	0.035106

Device Test: 5.51; DLY_TMR_1MOHM

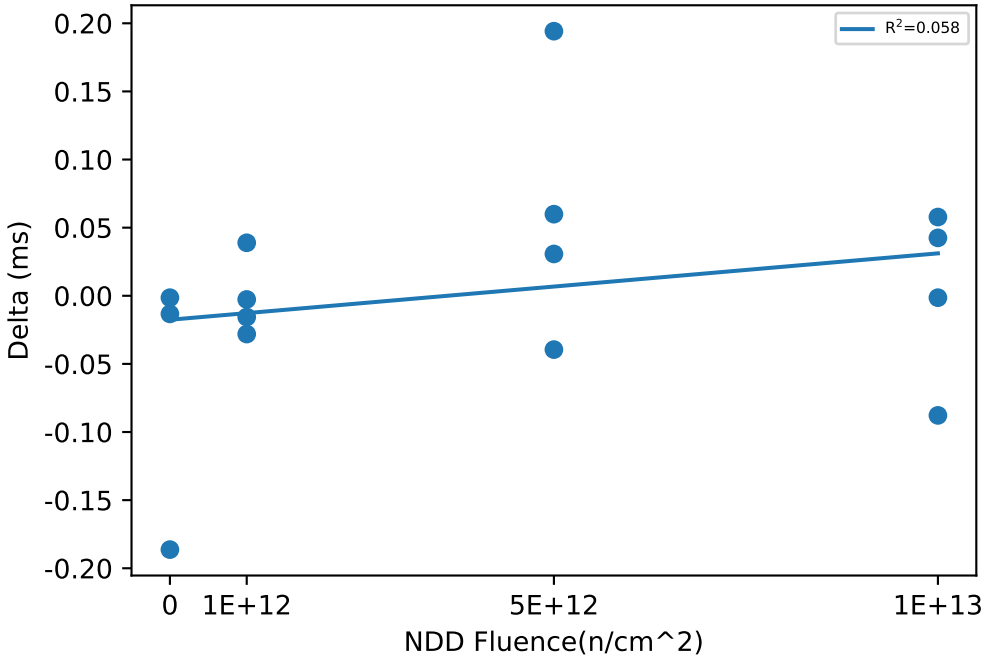
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.587	23.625	0.0389
315	1e+12	NDD Unbiased	23.382	23.354	-0.0281
316	1e+12	NDD Unbiased	23.169	23.154	-0.0156
317	1e+12	NDD Unbiased	23.669	23.666	-0.0027
318	5e+12	NDD Unbiased	24.037	24.068	0.0307
319	5e+12	NDD Unbiased	23.839	23.899	0.0599
320	5e+12	NDD Unbiased	23.742	23.936	0.1942
321	5e+12	NDD Unbiased	23.304	23.265	-0.0395
322	1e+13	NDD Unbiased	23.987	24.045	0.0578
323	1e+13	NDD Unbiased	23.558	23.557	-0.0014
324	1e+13	NDD Unbiased	23.635	23.678	0.0425
325	1e+13	NDD Unbiased	24.097	24.009	-0.0878
326	0	Correlation	23.77	23.583	-0.1863
327	0	Correlation	24.076	24.075	-0.0014
328	0	Correlation	24.148	24.135	-0.0133

NDD vs Post - Pre Exposure Delta

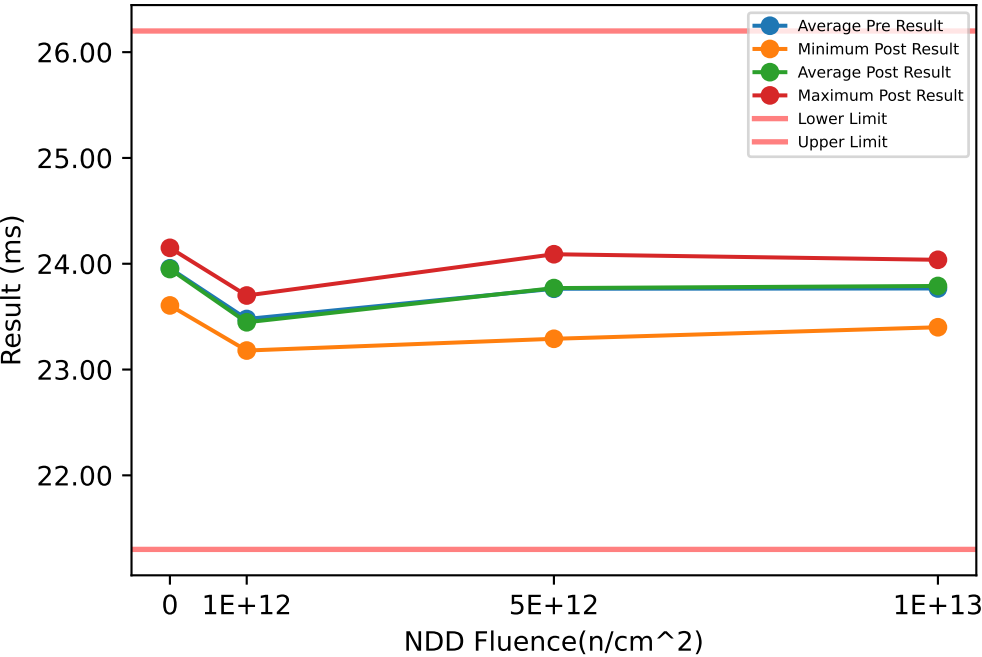


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.77	23.998	24.148	0.20105	23.583	23.931	24.135	0.3026	-0.1863	-0.067	-0.0014	0.10349
1e+12	23.169	23.452	23.669	0.22357	23.154	23.45	23.666	0.24121	-0.0281	-0.001875	0.0389	0.029094
5e+12	23.304	23.73	24.037	0.30954	23.265	23.792	24.068	0.35875	-0.0395	0.061325	0.1942	0.097914
1e+13	23.558	23.819	24.097	0.26307	23.557	23.822	24.045	0.24227	-0.0878	0.002775	0.0578	0.065389

Device Test: 5.52; DLY_TMR_1MOHM

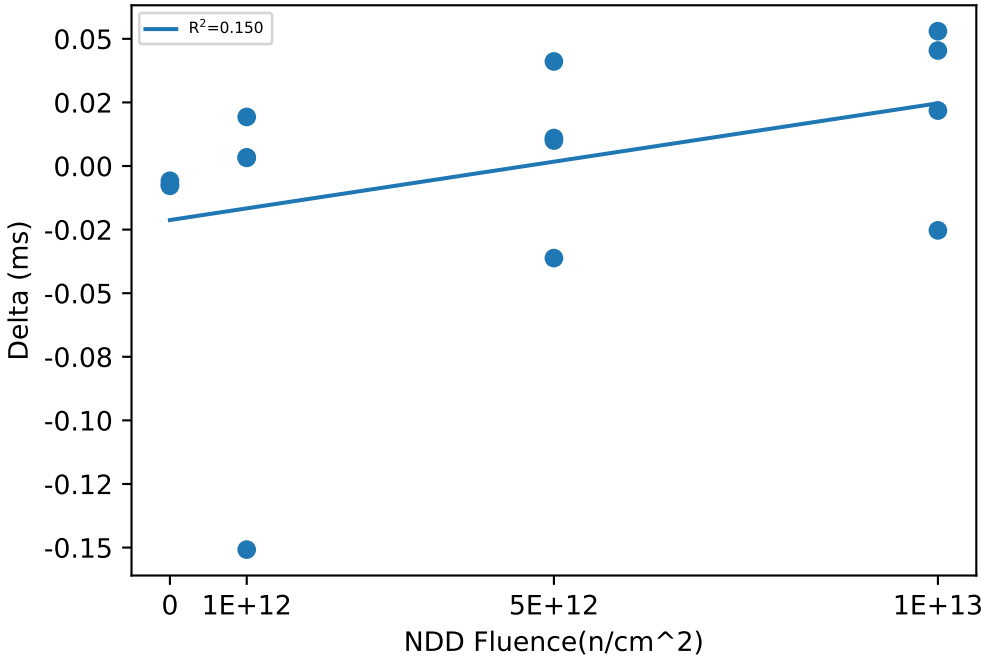
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.643	23.493	-0.1508
315	1e+12	NDD Unbiased	23.395	23.415	0.0193
316	1e+12	NDD Unbiased	23.176	23.18	0.0032
317	1e+12	NDD Unbiased	23.696	23.7	0.0034
318	5e+12	NDD Unbiased	24.079	24.09	0.011
319	5e+12	NDD Unbiased	23.881	23.922	0.0411
320	5e+12	NDD Unbiased	23.768	23.778	0.01
321	5e+12	NDD Unbiased	23.327	23.291	-0.0362
322	1e+13	NDD Unbiased	23.992	24.037	0.0454
323	1e+13	NDD Unbiased	23.425	23.4	-0.0253
324	1e+13	NDD Unbiased	23.637	23.69	0.053
325	1e+13	NDD Unbiased	24.011	24.033	0.0218
326	0	Correlation	23.612	23.606	-0.0058
327	0	Correlation	24.101	24.093	-0.0072
328	0	Correlation	24.158	24.15	-0.0078

NDD vs Post - Pre Exposure Delta

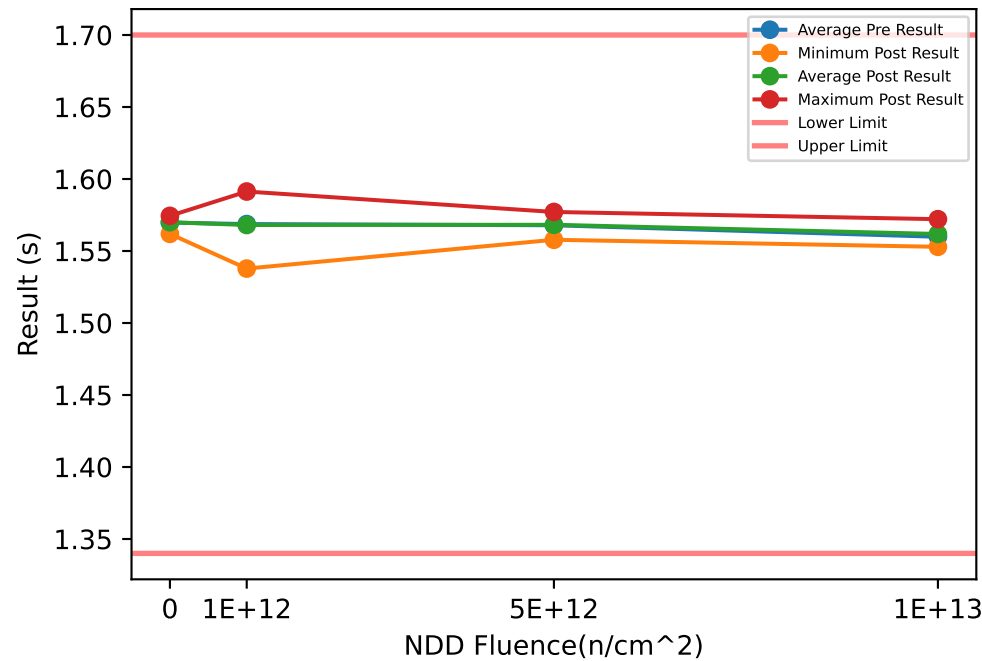


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.612	23.957	24.158	0.30011	23.606	23.95	24.15	0.2991	-0.0078	-0.0069333	-0.0058	0.0010263
1e+12	23.176	23.478	23.696	0.24003	23.18	23.447	23.7	0.21489	-0.1508	-0.031225	0.0193	0.080073
5e+12	23.327	23.764	24.079	0.31825	23.291	23.77	24.09	0.34408	-0.0362	0.006475	0.0411	0.031901
1e+13	23.425	23.766	24.011	0.28512	23.4	23.79	24.037	0.30679	-0.0253	0.023725	0.053	0.03528

Device Test: 5.53; WD_TMR_1MOHM

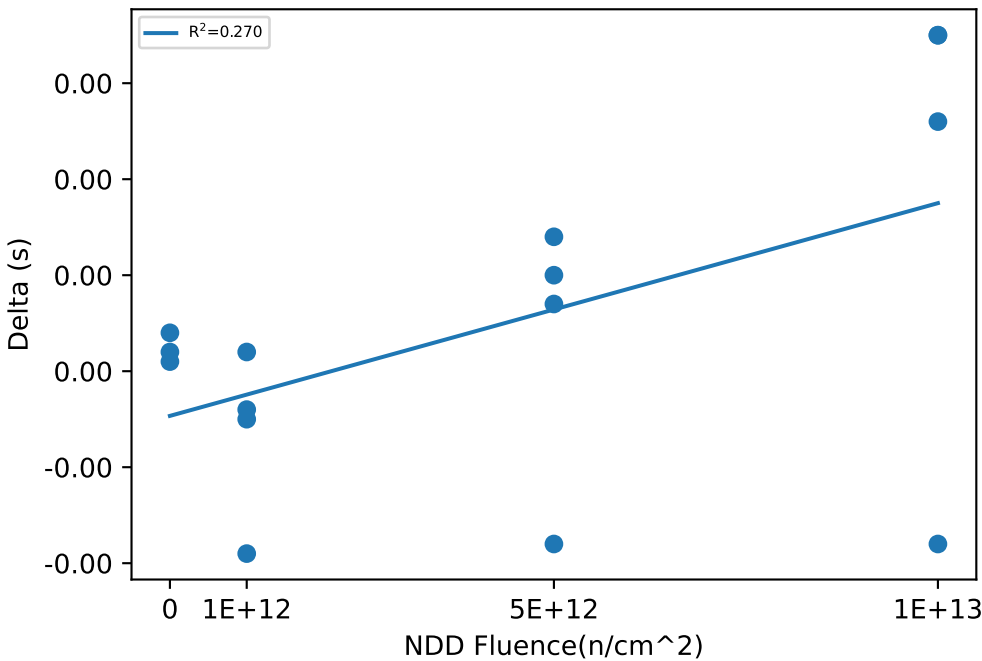
NDD vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.5917	1.5913	-0.0004
315	1e+12	NDD Unbiased	1.5929	1.591	-0.0019
316	1e+12	NDD Unbiased	1.5526	1.5521	-0.0005
317	1e+12	NDD Unbiased	1.5376	1.5378	0.0002
318	5e+12	NDD Unbiased	1.5736	1.5743	0.0007
319	5e+12	NDD Unbiased	1.5654	1.5636	-0.0018
320	5e+12	NDD Unbiased	1.5564	1.5578	0.0014
321	5e+12	NDD Unbiased	1.5761	1.5771	0.001
322	1e+13	NDD Unbiased	1.5614	1.5596	-0.0018
323	1e+13	NDD Unbiased	1.5592	1.5627	0.0035
324	1e+13	NDD Unbiased	1.5503	1.5529	0.0026
325	1e+13	NDD Unbiased	1.5686	1.5721	0.0035
326	0	Correlation	1.5734	1.5736	0.0002
327	0	Correlation	1.5615	1.5619	0.0004
328	0	Correlation	1.5743	1.5744	0.0001

NDD vs Post - Pre Exposure Delta

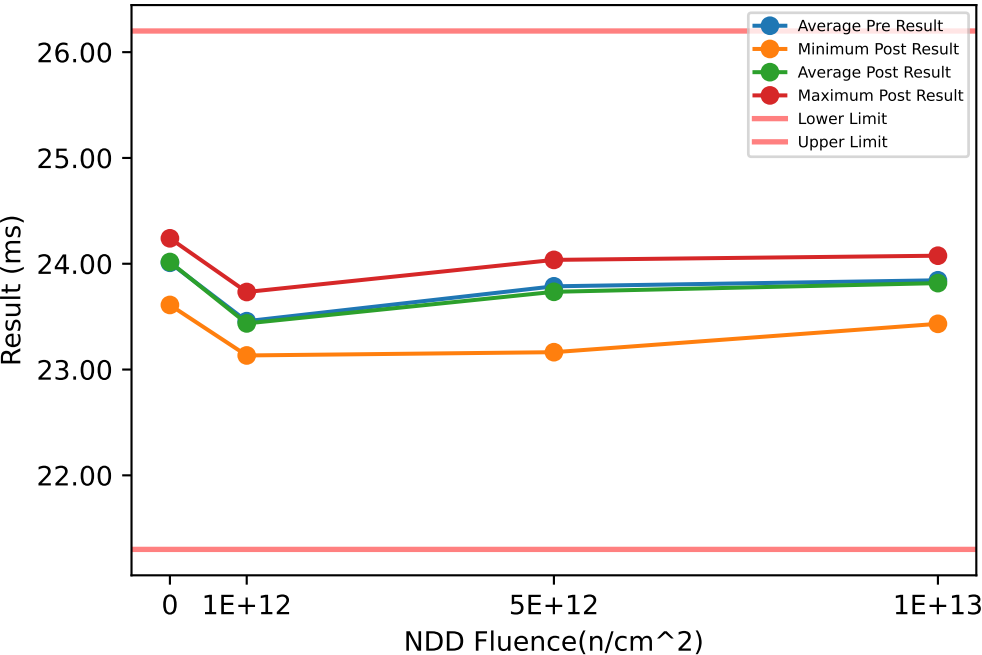


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5615	1.5697	1.5743	0.0071445	1.5619	1.57	1.5744	0.0069974	0.0001	0.00023333	0.0004	0.00015275
1e+12	1.5376	1.5687	1.5929	0.027935	1.5378	1.568	1.5913	0.027305	-0.0019	-0.00065	0.0002	0.00088882
5e+12	1.5564	1.5679	1.5761	0.0089112	1.5578	1.5682	1.5771	0.0090506	-0.0018	0.000325	0.0014	0.0014454
1e+13	1.5503	1.5599	1.5686	0.0075407	1.5529	1.5618	1.5721	0.007978	-0.0018	0.00195	0.0035	0.0025357

Device Test: 5.54; DLY_TMR_1MOHM

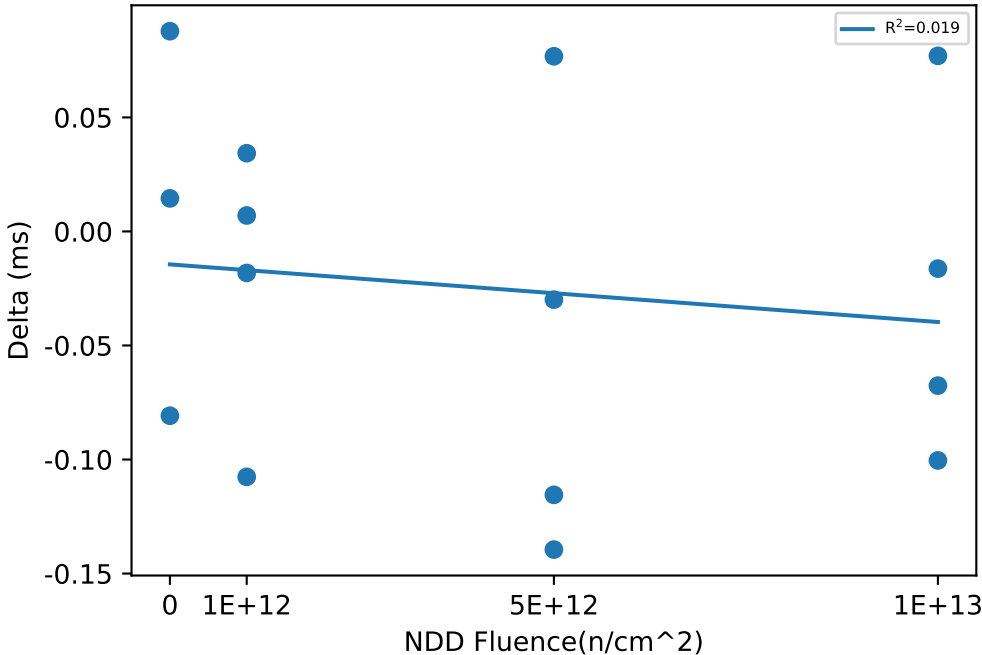
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.625	23.607	-0.0182
315	1e+12	NDD Unbiased	23.265	23.272	0.007
316	1e+12	NDD Unbiased	23.099	23.133	0.0343
317	1e+12	NDD Unbiased	23.84	23.733	-0.1076
318	5e+12	NDD Unbiased	24.176	24.037	-0.1395
319	5e+12	NDD Unbiased	23.878	23.955	0.0768
320	5e+12	NDD Unbiased	23.813	23.783	-0.0299
321	5e+12	NDD Unbiased	23.279	23.164	-0.1155
322	1e+13	NDD Unbiased	24.071	24.004	-0.0676
323	1e+13	NDD Unbiased	23.532	23.432	-0.1004
324	1e+13	NDD Unbiased	23.679	23.756	0.077
325	1e+13	NDD Unbiased	24.092	24.076	-0.0163
326	0	Correlation	23.691	23.611	-0.0808
327	0	Correlation	24.184	24.198	0.0145
328	0	Correlation	24.153	24.241	0.0878

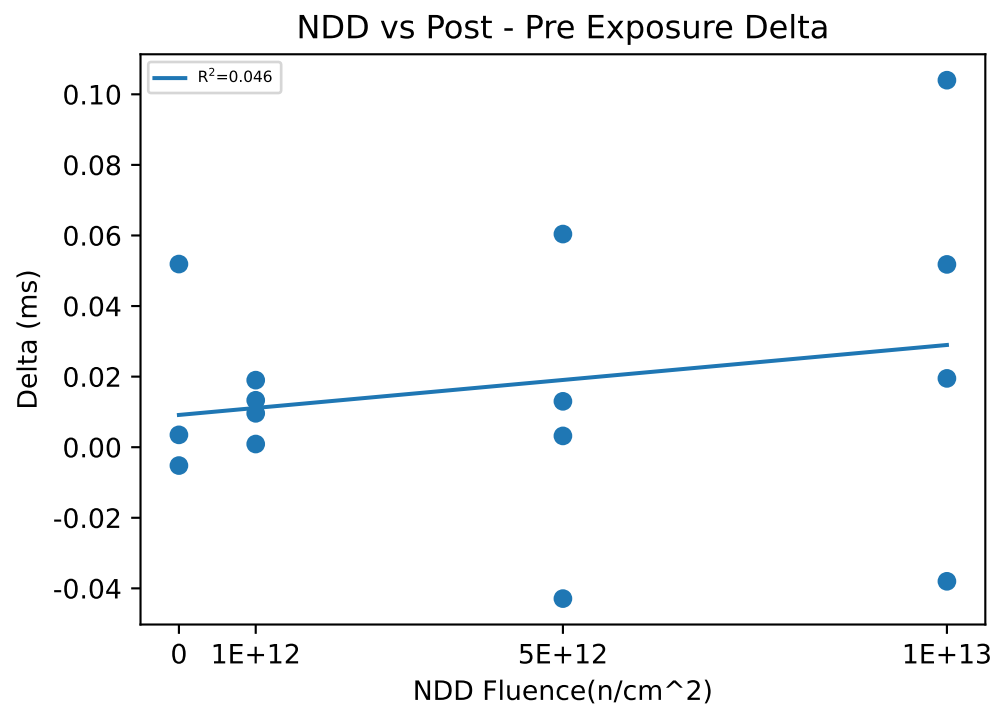
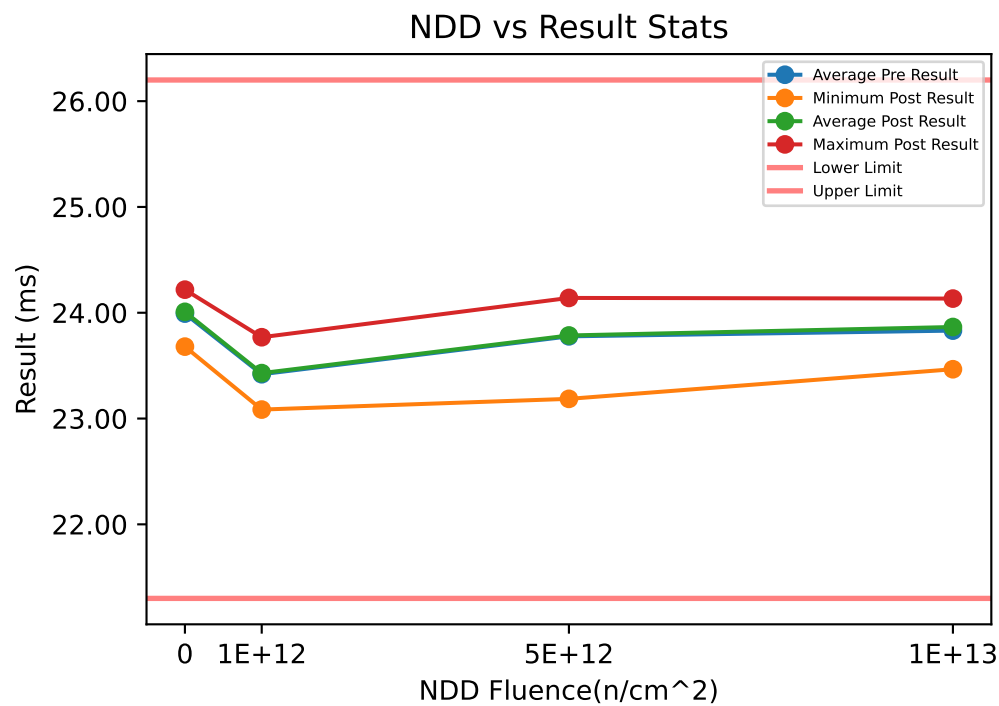
NDD vs Post - Pre Exposure Delta



Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.691	24.009	24.184	0.27569	23.611	24.016	24.241	0.35207	-0.0808	0.0071667	0.0878	0.084539
1e+12	23.099	23.457	23.84	0.33689	23.133	23.436	23.733	0.28046	-0.1076	-0.021125	0.0343	0.061507
5e+12	23.279	23.787	24.176	0.37321	23.164	23.735	24.037	0.39482	-0.1395	-0.052025	0.0768	0.097922
1e+13	23.532	23.844	24.092	0.28145	23.432	23.817	24.076	0.29088	-0.1004	-0.026825	0.077	0.077387

Device Test: 5.55; DLY_TMR_1MOHM



Test Results (Lower Limit = 21.3,
Upper Limit = 26.2 (ms))

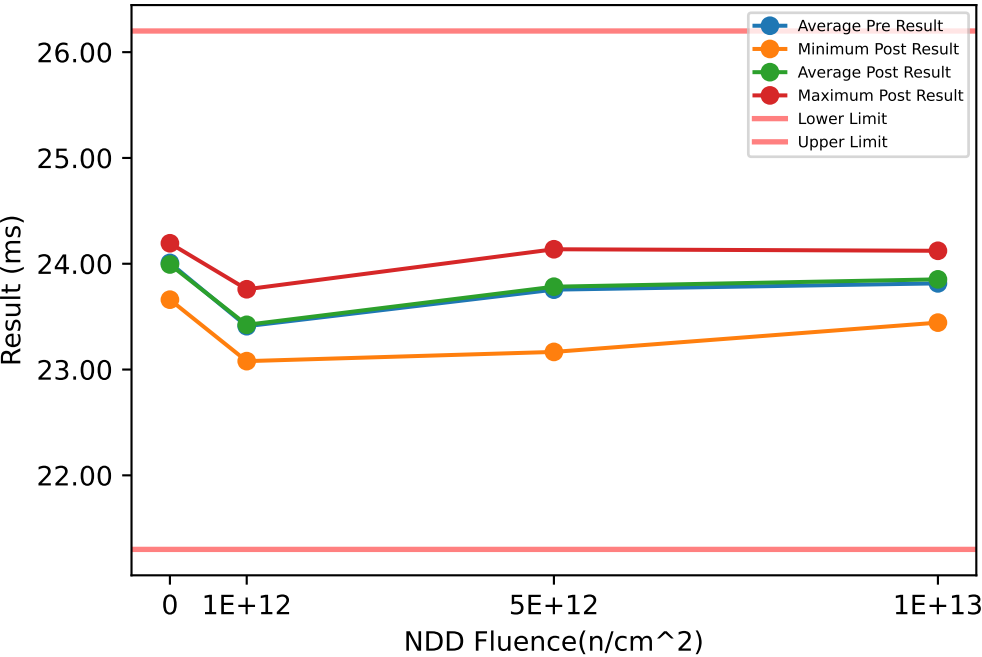
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.54	23.553	0.0133
315	1e+12	NDD Unbiased	23.311	23.311	0.0009
316	1e+12	NDD Unbiased	23.066	23.085	0.019
317	1e+12	NDD Unbiased	23.759	23.769	0.0096
318	5e+12	NDD Unbiased	24.137	24.14	0.0032
319	5e+12	NDD Unbiased	23.94	23.953	0.013
320	5e+12	NDD Unbiased	23.802	23.862	0.0604
321	5e+12	NDD Unbiased	23.229	23.186	-0.0429
322	1e+13	NDD Unbiased	24.03	24.134	0.104
323	1e+13	NDD Unbiased	23.504	23.466	-0.038
324	1e+13	NDD Unbiased	23.724	23.776	0.0518
325	1e+13	NDD Unbiased	24.066	24.085	0.0195
326	0	Correlation	23.628	23.68	0.0519
327	0	Correlation	24.125	24.128	0.0035
328	0	Correlation	24.224	24.218	-0.0052

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.628	23.992	24.224	0.31915	23.68	24.009	24.218	0.28839	-0.0052	0.016733	0.0519	0.030764
1e+12	23.066	23.419	23.759	0.29814	23.085	23.429	23.769	0.29608	0.0009	0.0107	0.019	0.0075917
5e+12	23.229	23.777	24.137	0.39026	23.186	23.785	24.14	0.41588	-0.0429	0.008425	0.0604	0.042363
1e+13	23.504	23.831	24.066	0.26655	23.466	23.865	24.134	0.30987	-0.038	0.034325	0.104	0.059472

Device Test: 5.56; DLY_TMR_1MOHM

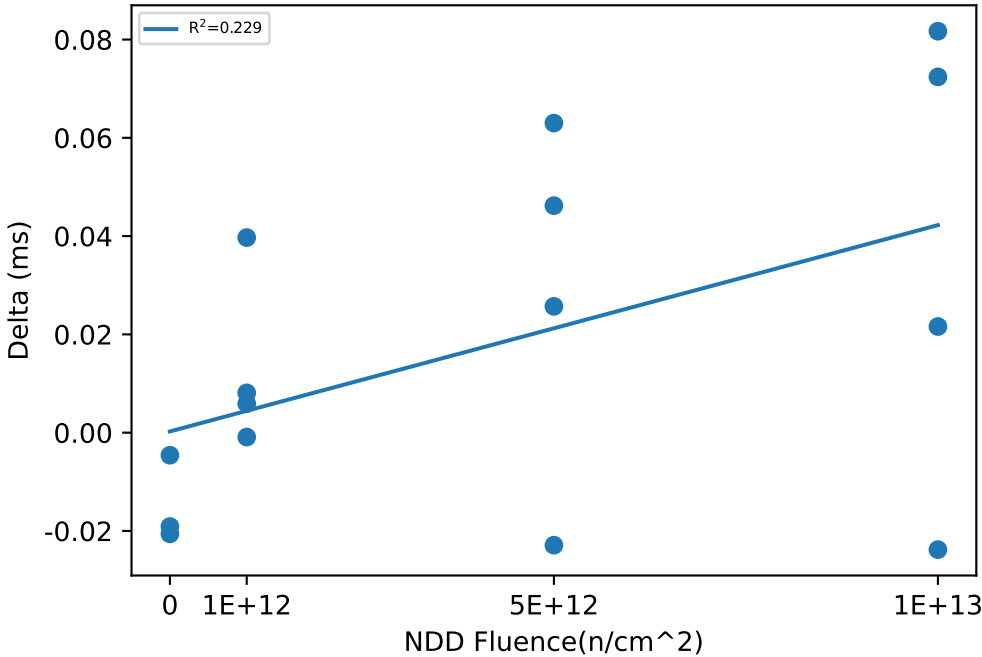
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.544	23.552	0.0081
315	1e+12	NDD Unbiased	23.302	23.301	-0.0009
316	1e+12	NDD Unbiased	23.04	23.079	0.0397
317	1e+12	NDD Unbiased	23.753	23.759	0.0059
318	5e+12	NDD Unbiased	24.111	24.137	0.0257
319	5e+12	NDD Unbiased	23.927	23.973	0.0462
320	5e+12	NDD Unbiased	23.793	23.856	0.063
321	5e+12	NDD Unbiased	23.189	23.167	-0.0229
322	1e+13	NDD Unbiased	24.041	24.122	0.0817
323	1e+13	NDD Unbiased	23.467	23.444	-0.0238
324	1e+13	NDD Unbiased	23.691	23.763	0.0724
325	1e+13	NDD Unbiased	24.059	24.081	0.0216
326	0	Correlation	23.665	23.66	-0.0046
327	0	Correlation	24.144	24.125	-0.0191
328	0	Correlation	24.214	24.194	-0.0206

NDD vs Post - Pre Exposure Delta

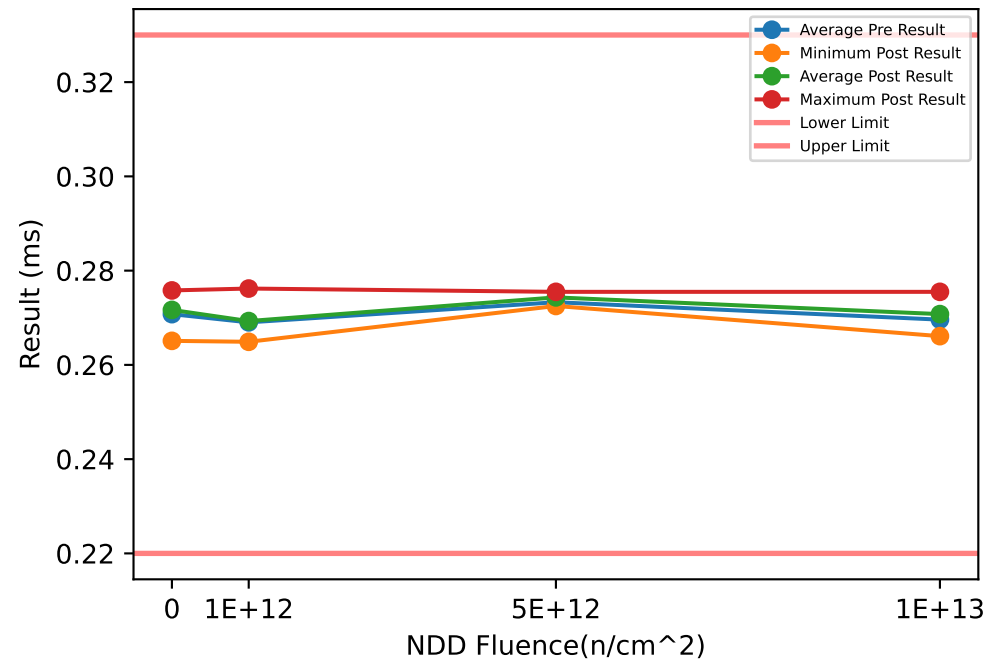


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.665	24.008	24.214	0.29892	23.66	23.993	24.194	0.29009	-0.0206	-0.014767	-0.0046	0.0088365
1e+12	23.04	23.41	23.753	0.30793	23.079	23.423	23.759	0.2958	-0.0009	0.0132	0.0397	0.018077
5e+12	23.189	23.755	24.111	0.39902	23.167	23.783	24.137	0.42685	-0.0229	0.028	0.063	0.037204
1e+13	23.467	23.815	24.059	0.28699	23.444	23.852	24.122	0.31644	-0.0238	0.037975	0.0817	0.048926

Device Test: 5.57; DLY_TMR_10KOHM

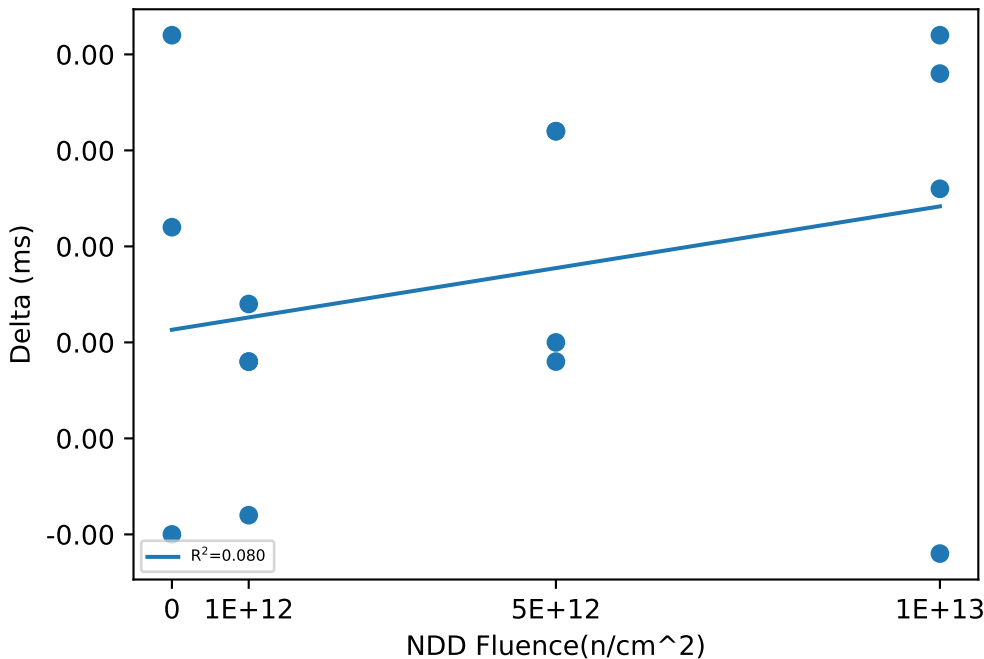
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2653	0.2649	-0.0004
315	1e+12	NDD Unbiased	0.2663	0.2667	0.0004
316	1e+12	NDD Unbiased	0.2758	0.2762	0.0004
317	1e+12	NDD Unbiased	0.2687	0.2694	0.0007
318	5e+12	NDD Unbiased	0.2744	0.2748	0.0004
319	5e+12	NDD Unbiased	0.2739	0.2755	0.0016
320	5e+12	NDD Unbiased	0.2729	0.2745	0.0016
321	5e+12	NDD Unbiased	0.272	0.2725	0.0005
322	1e+13	NDD Unbiased	0.2723	0.2744	0.0021
323	1e+13	NDD Unbiased	0.2658	0.2671	0.0013
324	1e+13	NDD Unbiased	0.2642	0.2661	0.0019
325	1e+13	NDD Unbiased	0.2761	0.2755	-0.0006
326	0	Correlation	0.2656	0.2651	-0.0005
327	0	Correlation	0.273	0.2741	0.0011
328	0	Correlation	0.2737	0.2758	0.0021

NDD vs Post - Pre Exposure Delta

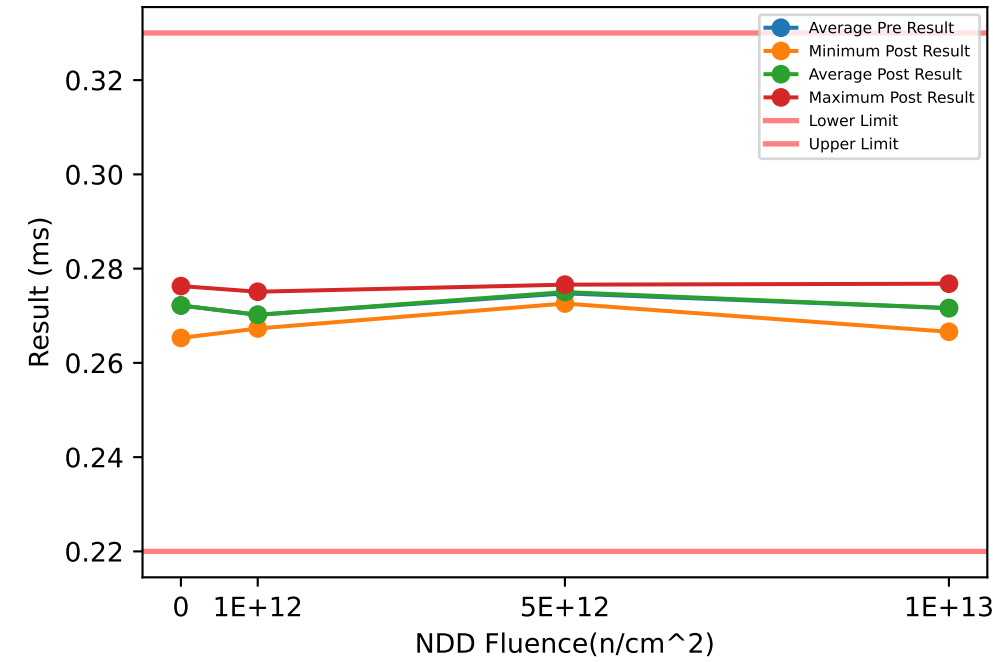


Test Statistics (ms)

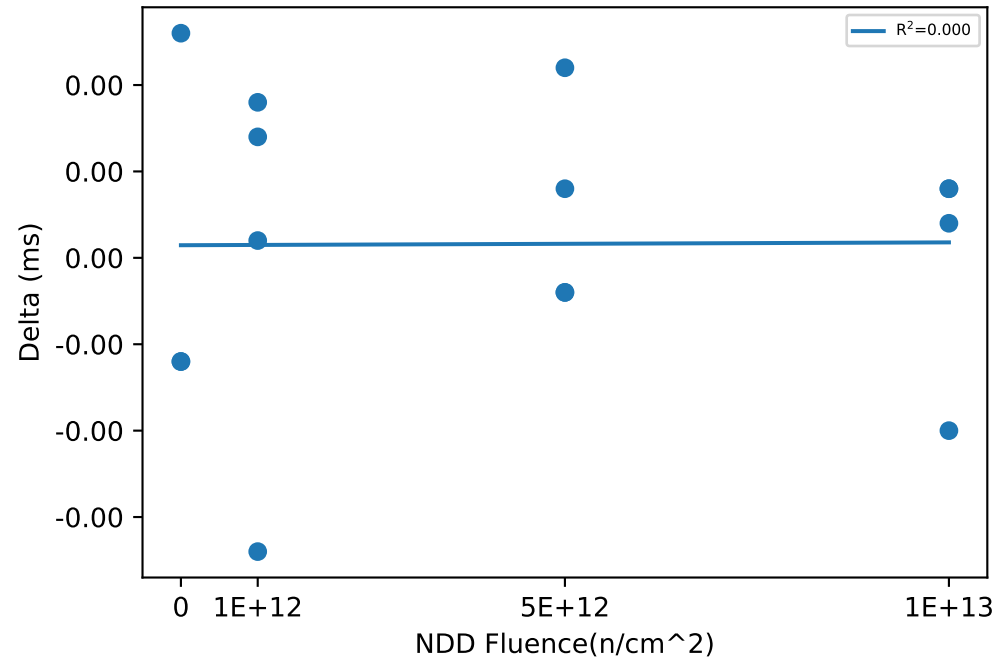
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2656	0.27077	0.2737	0.0044881	0.2651	0.27167	0.2758	0.0057501	-0.0005	0.0009	0.0021	0.0013115
1e+12	0.2653	0.26902	0.2758	0.0047366	0.2649	0.2693	0.2762	0.0049578	-0.0004	0.000275	0.0007	0.0004717
5e+12	0.272	0.2733	0.2744	0.0010677	0.2725	0.27433	0.2755	0.0012868	0.0004	0.001025	0.0016	0.00066521
1e+13	0.2642	0.2696	0.2761	0.005572	0.2661	0.27077	0.2755	0.0048589	-0.0006	0.001175	0.0021	0.0012312

Device Test: 5.58; DLY_TMR_10KOHM

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

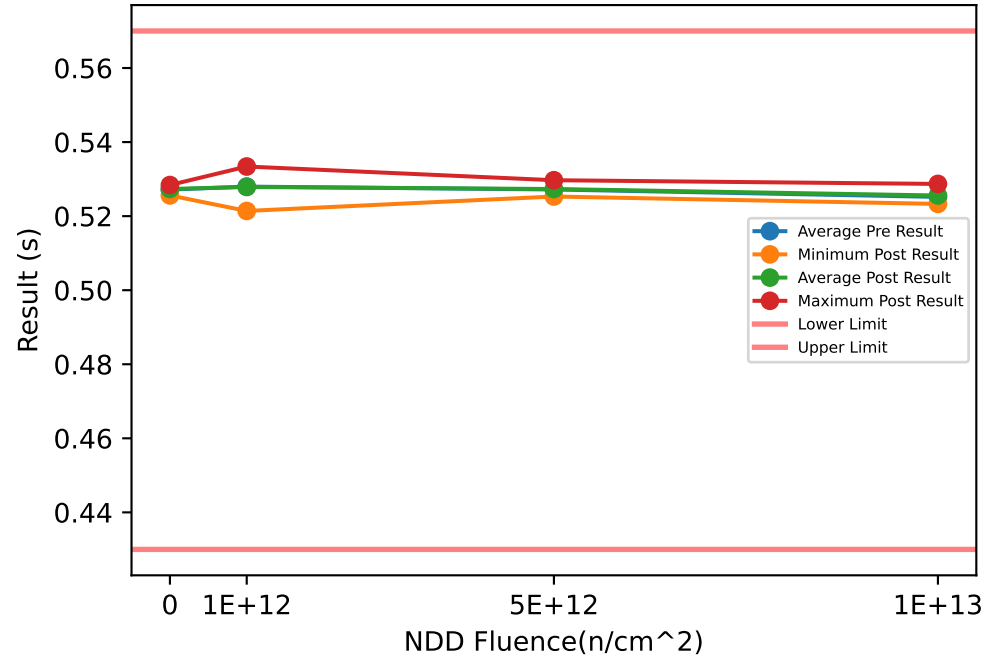
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2672	0.2673	0.0001
315	1e+12	NDD Unbiased	0.2669	0.2676	0.0007
316	1e+12	NDD Unbiased	0.2768	0.2751	-0.0017
317	1e+12	NDD Unbiased	0.2699	0.2708	0.0009
318	5e+12	NDD Unbiased	0.2768	0.2766	-0.0002
319	5e+12	NDD Unbiased	0.2755	0.2766	0.0011
320	5e+12	NDD Unbiased	0.2739	0.2743	0.0004
321	5e+12	NDD Unbiased	0.2728	0.2726	-0.0002
322	1e+13	NDD Unbiased	0.2741	0.2745	0.0004
323	1e+13	NDD Unbiased	0.2682	0.2686	0.0004
324	1e+13	NDD Unbiased	0.2664	0.2666	0.0002
325	1e+13	NDD Unbiased	0.2778	0.2768	-0.001
326	0	Correlation	0.2659	0.2653	-0.0006
327	0	Correlation	0.2756	0.275	-0.0006
328	0	Correlation	0.275	0.2763	0.0013

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.27217	0.2756	0.0054354	0.2653	0.2722	0.2763	0.0060108	-0.0006	3.3333e-05	0.0013	0.001097
1e+12	0.2669	0.2702	0.2768	0.0046022	0.2673	0.2702	0.2751	0.0036304	-0.0017	0	0.0009	0.0011832
5e+12	0.2728	0.27475	0.2768	0.0017597	0.2726	0.27503	0.2766	0.0019466	-0.0002	0.000275	0.0011	0.00061847
1e+13	0.2664	0.27163	0.2778	0.005269	0.2666	0.27163	0.2768	0.0048114	-0.001	0	0.0004	0.0006733

Device Test: 5.59; WD_TMR_10KOHM

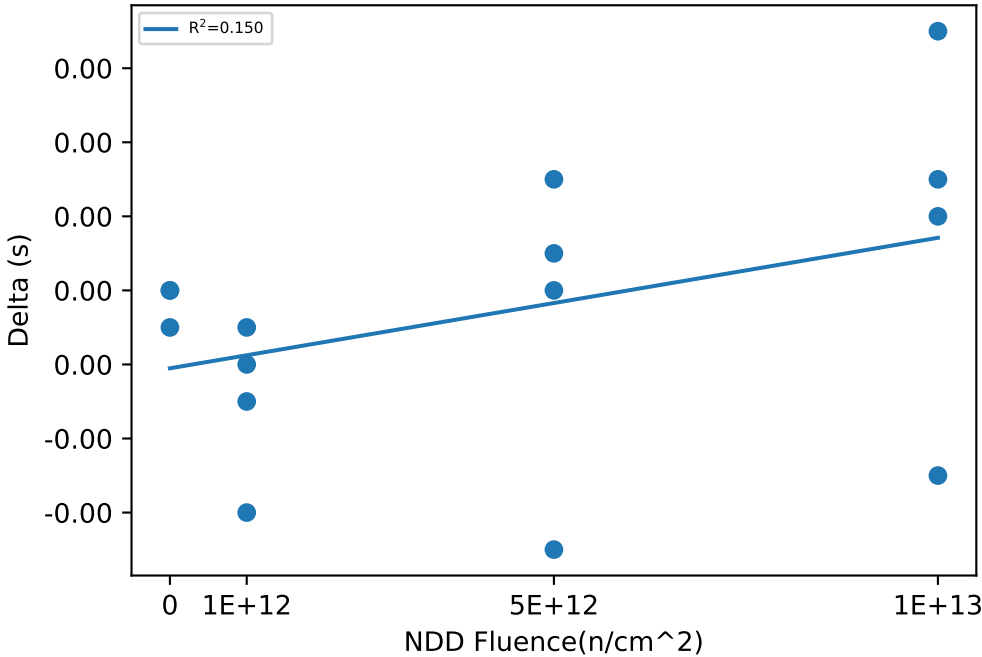
NDD vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.5319	0.5319	0
315	1e+12	NDD Unbiased	0.5338	0.5334	-0.0004
316	1e+12	NDD Unbiased	0.5249	0.5248	-0.0001
317	1e+12	NDD Unbiased	0.5213	0.5214	0.0001
318	5e+12	NDD Unbiased	0.5294	0.5297	0.0003
319	5e+12	NDD Unbiased	0.5258	0.5253	-0.0005
320	5e+12	NDD Unbiased	0.5253	0.5258	0.0005
321	5e+12	NDD Unbiased	0.5283	0.5285	0.0002
322	1e+13	NDD Unbiased	0.5248	0.5245	-0.0003
323	1e+13	NDD Unbiased	0.5249	0.5258	0.0009
324	1e+13	NDD Unbiased	0.5229	0.5233	0.0004
325	1e+13	NDD Unbiased	0.5282	0.5287	0.0005
326	0	Correlation	0.5279	0.528	0.0001
327	0	Correlation	0.5254	0.5256	0.0002
328	0	Correlation	0.5282	0.5284	0.0002

NDD vs Post - Pre Exposure Delta

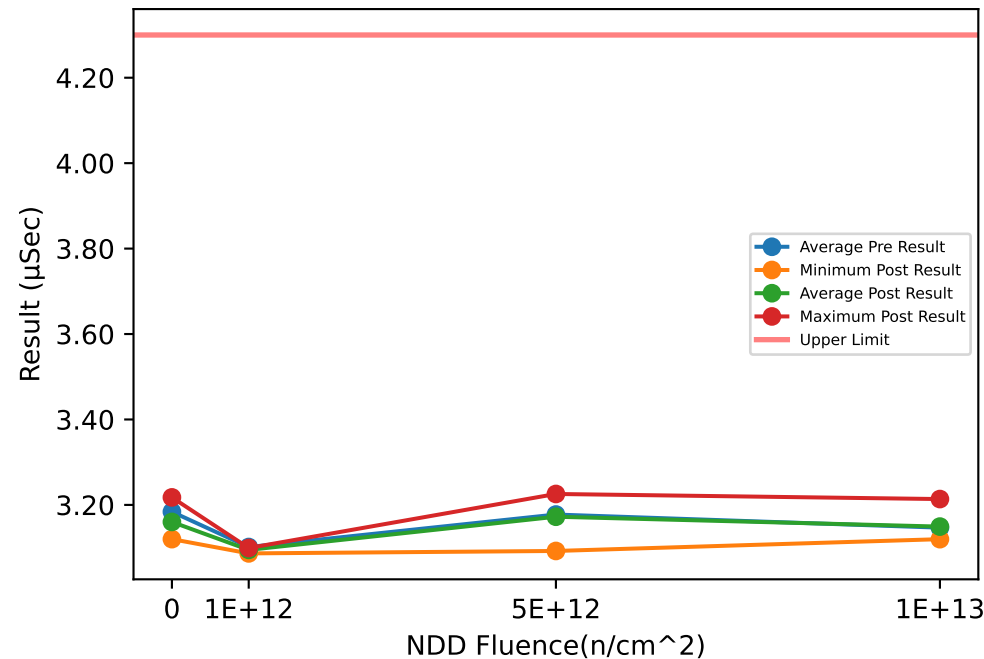


Test Statistics (s)

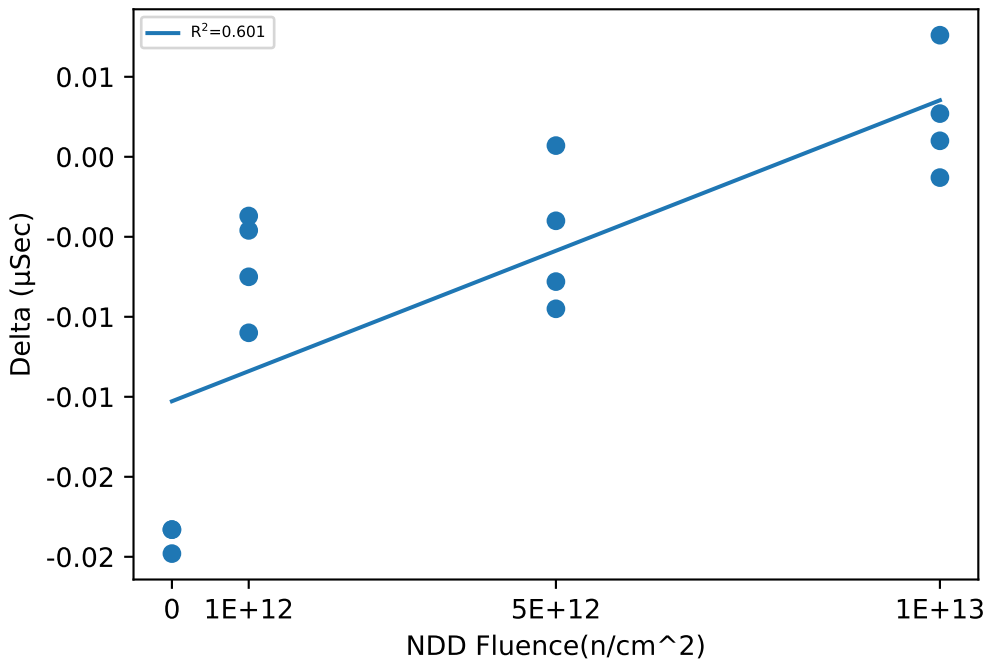
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5254	0.52717	0.5282	0.0015373	0.5256	0.52733	0.5284	0.0015144	0.0001	0.00016667	0.0002	5.7735e-05
1e+12	0.5213	0.52798	0.5338	0.0058693	0.5214	0.52787	0.5334	0.0057186	-0.0004	-0.0001	0.0001	0.00021602
5e+12	0.5253	0.5272	0.5294	0.0019681	0.5253	0.52733	0.5297	0.0021172	-0.0005	0.000125	0.0005	0.00043493
1e+13	0.5229	0.5252	0.5282	0.0022015	0.5233	0.52558	0.5287	0.00232	-0.0003	0.000375	0.0009	0.00049917

Device Test: 5.6; PROPD_RESET

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

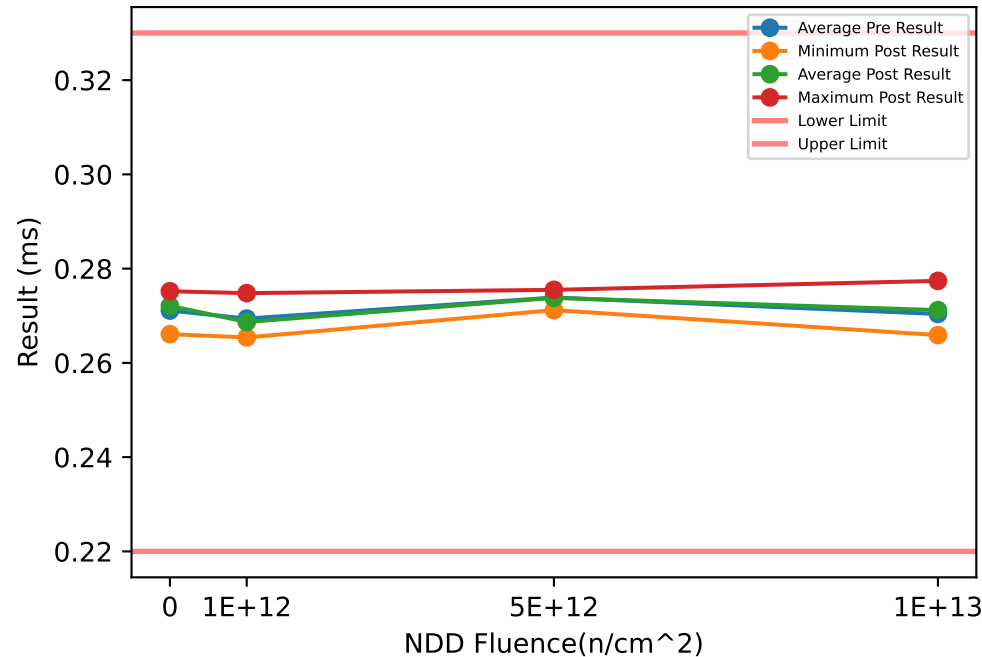
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3.1033	3.0987	-0.0046
315	1e+12	NDD Unbiased	3.0983	3.0946	-0.0037
316	1e+12	NDD Unbiased	3.0975	3.0865	-0.011
317	1e+12	NDD Unbiased	3.1066	3.0991	-0.0075
318	5e+12	NDD Unbiased	3.2147	3.2107	-0.004
319	5e+12	NDD Unbiased	3.1	3.0922	-0.0078
320	5e+12	NDD Unbiased	3.1601	3.1608	0.0007
321	5e+12	NDD Unbiased	3.2351	3.2256	-0.0095
322	1e+13	NDD Unbiased	3.139	3.1417	0.0027
323	1e+13	NDD Unbiased	3.1142	3.1218	0.0076
324	1e+13	NDD Unbiased	3.2127	3.2137	0.001
325	1e+13	NDD Unbiased	3.1211	3.1198	-0.0013
326	0	Correlation	3.2424	3.2176	-0.0248
327	0	Correlation	3.1662	3.1429	-0.0233
328	0	Correlation	3.1432	3.1199	-0.0233

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1432	3.1839	3.2424	0.051923	3.1199	3.1601	3.2176	0.051079	-0.0248	-0.0238	-0.0233	0.00086603
1e+12	3.0975	3.1014	3.1066	0.0042999	3.0865	3.0947	3.0991	0.0058483	-0.011	-0.0067	-0.0037	0.0032934
5e+12	3.1	3.1775	3.2351	0.060582	3.0922	3.1723	3.2256	0.060177	-0.0095	-0.00515	0.0007	0.0045273
1e+13	3.1142	3.1467	3.2127	0.045192	3.1198	3.1492	3.2137	0.044089	-0.0013	0.0025	0.0076	0.0037745

Device Test: 5.60; DLY_TMR_10KOHM

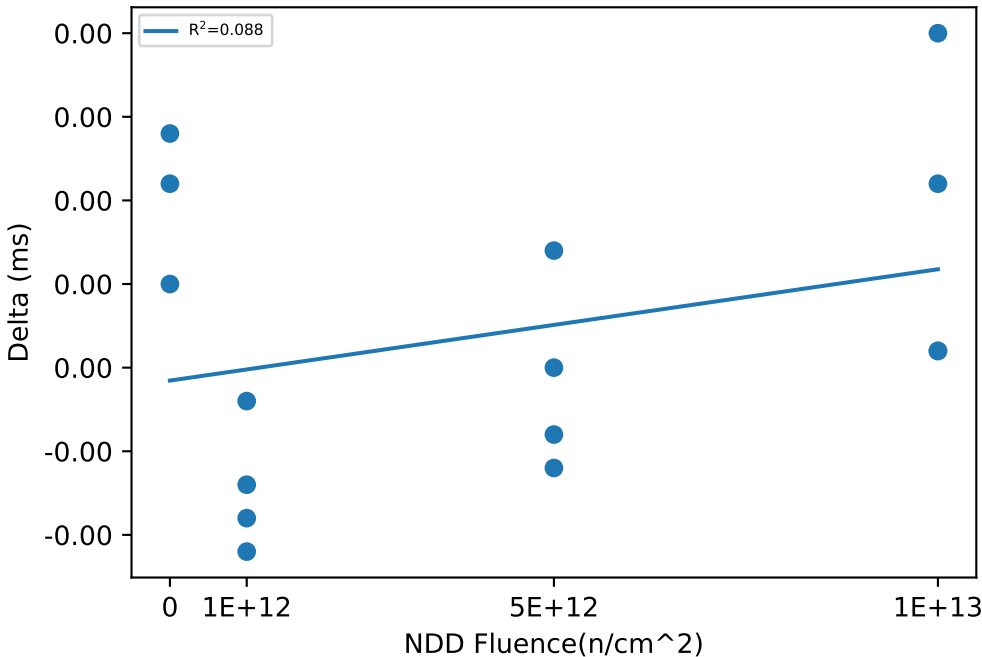
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2661	0.2654	-0.0007
315	1e+12	NDD Unbiased	0.2661	0.2659	-0.0002
316	1e+12	NDD Unbiased	0.2759	0.2748	-0.0011
317	1e+12	NDD Unbiased	0.2695	0.2686	-0.0009
318	5e+12	NDD Unbiased	0.2747	0.2747	0
319	5e+12	NDD Unbiased	0.2761	0.2755	-0.0006
320	5e+12	NDD Unbiased	0.2731	0.2738	0.0007
321	5e+12	NDD Unbiased	0.2716	0.2712	-0.0004
322	1e+13	NDD Unbiased	0.2728	0.2748	0.002
323	1e+13	NDD Unbiased	0.2666	0.2667	0.0001
324	1e+13	NDD Unbiased	0.2648	0.2659	0.0011
325	1e+13	NDD Unbiased	0.2773	0.2774	0.0001
326	0	Correlation	0.2647	0.2661	0.0014
327	0	Correlation	0.2745	0.275	0.0005
328	0	Correlation	0.2741	0.2752	0.0011

NDD vs Post - Pre Exposure Delta

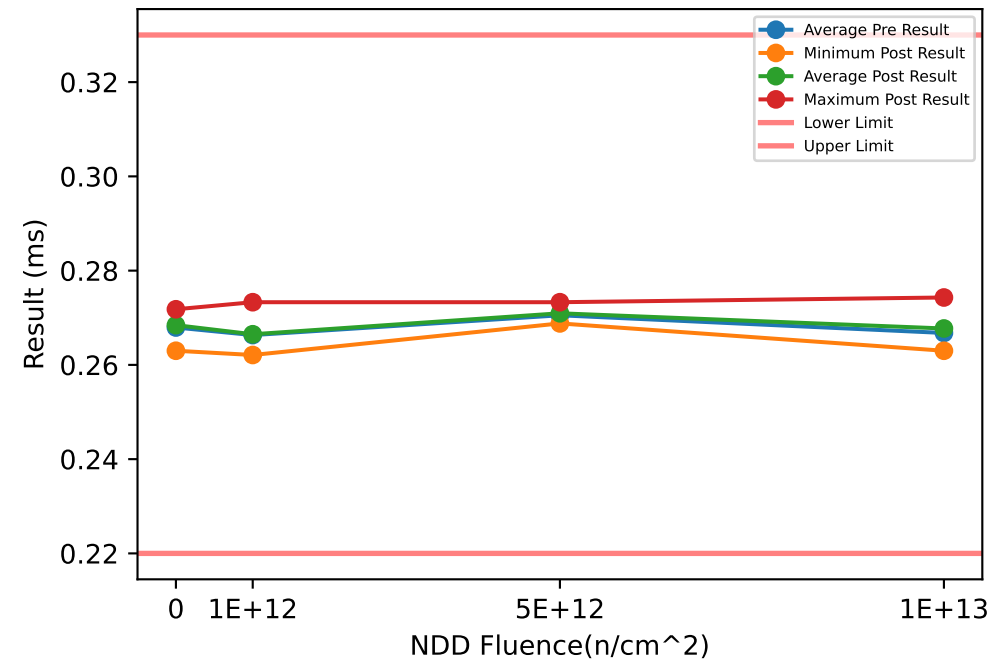


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2647	0.2711	0.2745	0.0055462	0.2661	0.2721	0.2752	0.0051971	0.0005	0.001	0.0014	0.00045826
1e+12	0.2661	0.2694	0.2759	0.0046202	0.2654	0.26867	0.2748	0.0043185	-0.0011	-0.000725	-0.0002	0.00038622
5e+12	0.2716	0.27387	0.2761	0.00195	0.2712	0.2738	0.2755	0.0018673	-0.0006	-7.5e-05	0.0007	0.00057373
1e+13	0.2648	0.27037	0.2773	0.0057494	0.2659	0.2712	0.2774	0.005766	0.0001	0.000825	0.002	0.00091424

Device Test: 5.61; DLY_TMR_10KOHM

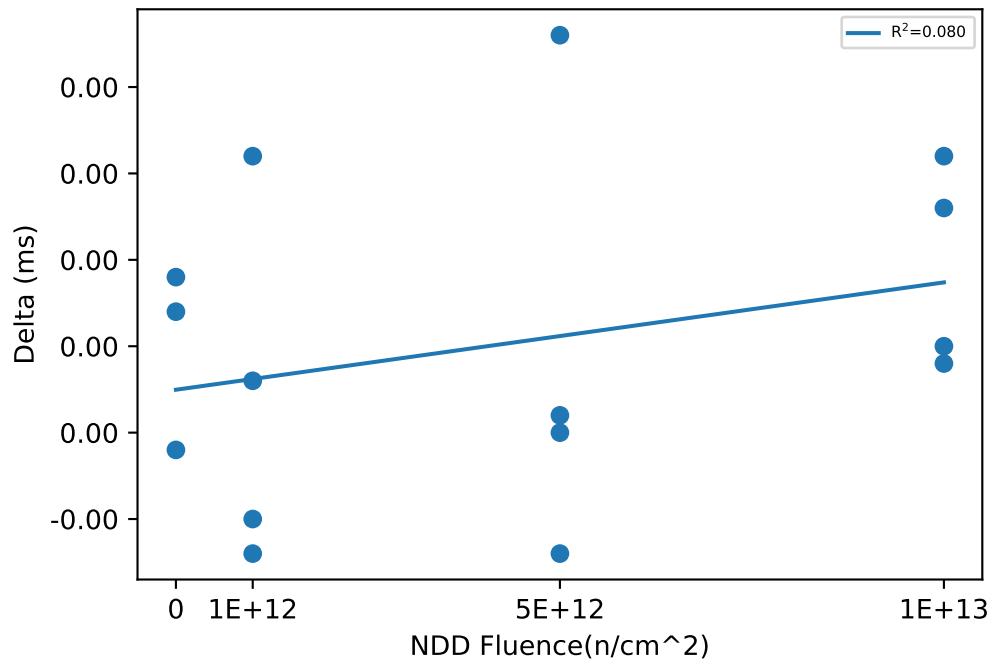
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2628	0.2621	-0.0007
315	1e+12	NDD Unbiased	0.2639	0.2642	0.0003
316	1e+12	NDD Unbiased	0.2717	0.2733	0.0016
317	1e+12	NDD Unbiased	0.2669	0.2664	-0.0005
318	5e+12	NDD Unbiased	0.2724	0.2717	-0.0007
319	5e+12	NDD Unbiased	0.271	0.2733	0.0023
320	5e+12	NDD Unbiased	0.2699	0.27	0.0001
321	5e+12	NDD Unbiased	0.2688	0.2688	0
322	1e+13	NDD Unbiased	0.27	0.2704	0.0004
323	1e+13	NDD Unbiased	0.2627	0.2632	0.0005
324	1e+13	NDD Unbiased	0.2614	0.263	0.0016
325	1e+13	NDD Unbiased	0.273	0.2743	0.0013
326	0	Correlation	0.2621	0.263	0.0009
327	0	Correlation	0.2706	0.2705	-0.0001
328	0	Correlation	0.2711	0.2718	0.0007

NDD vs Post - Pre Exposure Delta

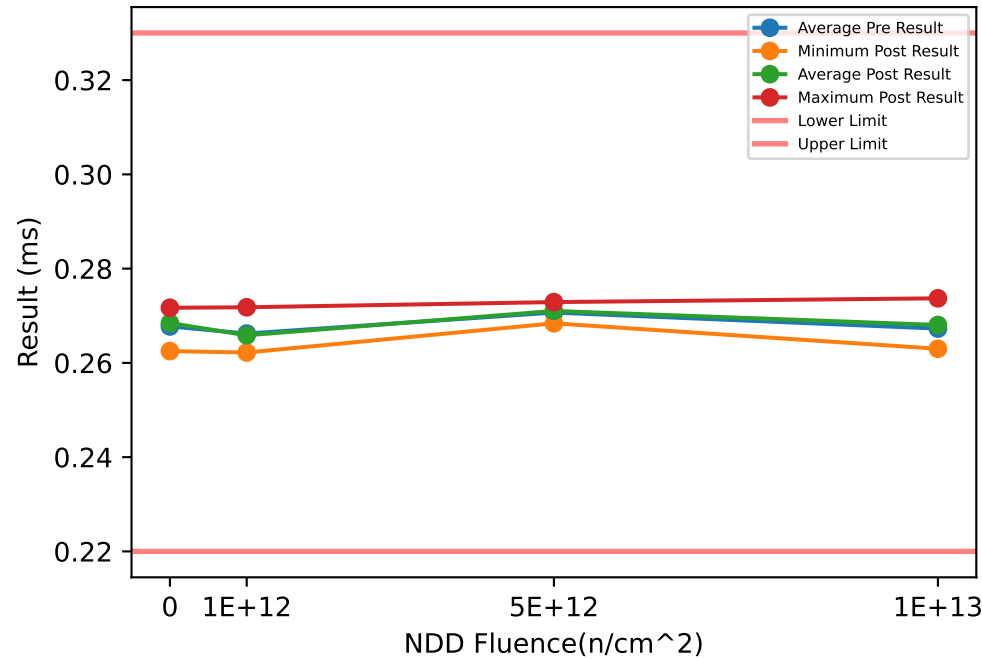


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26793	0.2711	0.005058	0.263	0.26843	0.2718	0.0047501	-0.0001	0.0005	0.0009	0.00052915
1e+12	0.2628	0.26633	0.2717	0.0039803	0.2621	0.2665	0.2733	0.0048614	-0.0007	0.000175	0.0016	0.0010436
5e+12	0.2688	0.27053	0.2724	0.0015392	0.2688	0.27095	0.2733	0.0019672	-0.0007	0.000425	0.0023	0.0012997
1e+13	0.2614	0.26677	0.273	0.0056169	0.263	0.26772	0.2743	0.0055734	0.0004	0.00095	0.0016	0.00059161

Device Test: 5.62; DLY_TMR_10KOHM

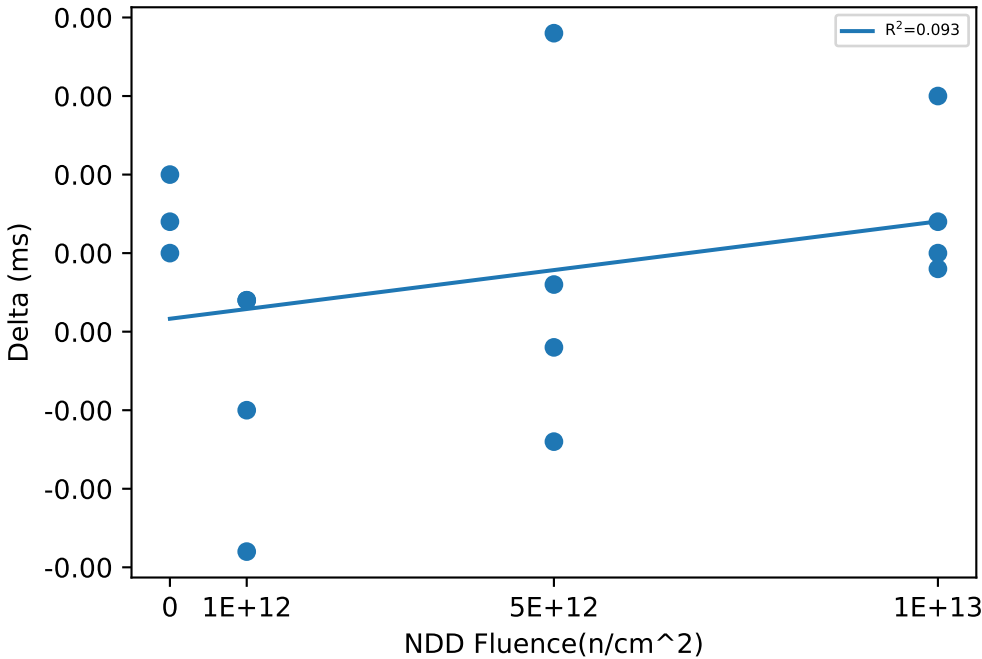
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2638	0.2633	-0.0005
315	1e+12	NDD Unbiased	0.2636	0.2622	-0.0014
316	1e+12	NDD Unbiased	0.2716	0.2718	0.0002
317	1e+12	NDD Unbiased	0.2659	0.2661	0.0002
318	5e+12	NDD Unbiased	0.2715	0.2718	0.0003
319	5e+12	NDD Unbiased	0.271	0.2729	0.0019
320	5e+12	NDD Unbiased	0.2711	0.271	-0.0001
321	5e+12	NDD Unbiased	0.2691	0.2684	-0.0007
322	1e+13	NDD Unbiased	0.2699	0.2706	0.0007
323	1e+13	NDD Unbiased	0.2644	0.2649	0.0005
324	1e+13	NDD Unbiased	0.2626	0.263	0.0004
325	1e+13	NDD Unbiased	0.2722	0.2737	0.0015
326	0	Correlation	0.262	0.2625	0.0005
327	0	Correlation	0.2705	0.2712	0.0007
328	0	Correlation	0.2707	0.2717	0.001

NDD vs Post - Pre Exposure Delta

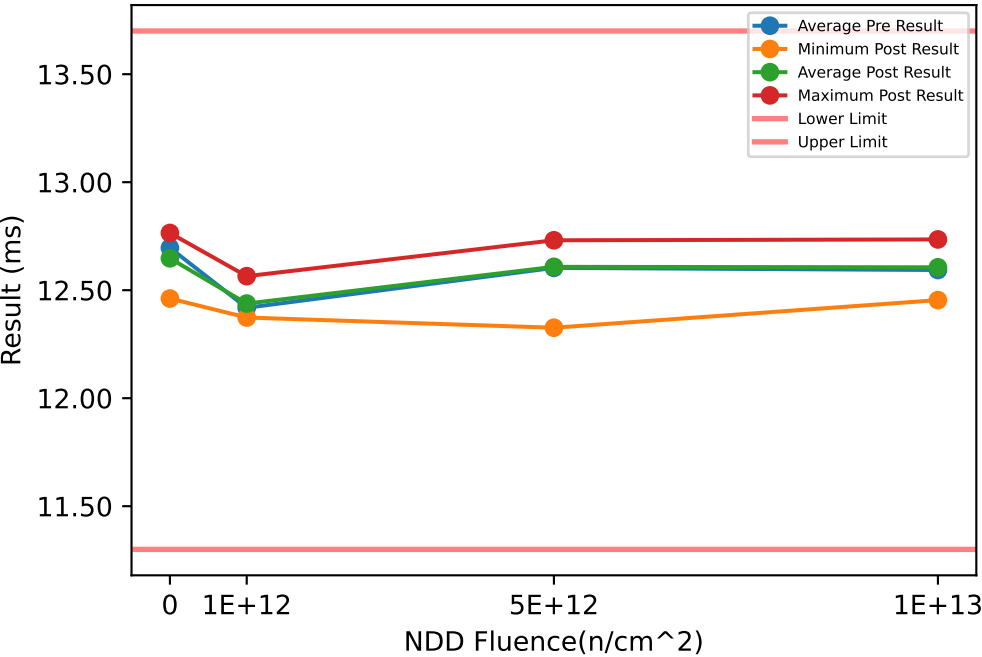


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.26773	0.2707	0.0049662	0.2625	0.26847	0.2717	0.0051733	0.0005	0.00073333	0.001	0.00025166
1e+12	0.2636	0.26622	0.2716	0.0037313	0.2622	0.26585	0.2718	0.004293	-0.0014	-0.000375	0.0002	0.00075884
5e+12	0.2691	0.27067	0.2715	0.001072	0.2684	0.27103	0.2729	0.0019155	-0.0007	0.00035	0.0019	0.0011121
1e+13	0.2626	0.26727	0.2722	0.0045191	0.263	0.26805	0.2737	0.0049615	0.0004	0.000775	0.0015	0.00049917

Device Test: 5.63; DLY_TMR_500KOHM

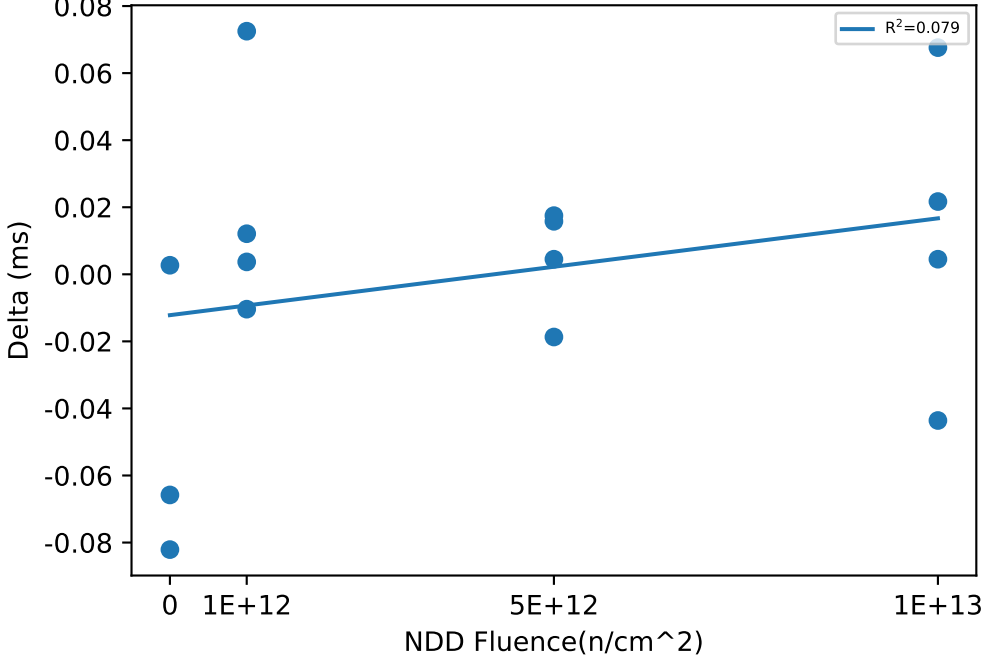
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.409	12.421	0.0121
315	1e+12	NDD Unbiased	12.301	12.373	0.0725
316	1e+12	NDD Unbiased	12.404	12.393	-0.0104
317	1e+12	NDD Unbiased	12.561	12.565	0.0037
318	5e+12	NDD Unbiased	12.727	12.731	0.0045
319	5e+12	NDD Unbiased	12.7	12.718	0.0175
320	5e+12	NDD Unbiased	12.641	12.657	0.0158
321	5e+12	NDD Unbiased	12.345	12.326	-0.0187
322	1e+13	NDD Unbiased	12.764	12.72	-0.0436
323	1e+13	NDD Unbiased	12.386	12.454	0.0676
324	1e+13	NDD Unbiased	12.493	12.515	0.0217
325	1e+13	NDD Unbiased	12.73	12.735	0.0045
326	0	Correlation	12.459	12.461	0.0027
327	0	Correlation	12.783	12.717	-0.0658
328	0	Correlation	12.847	12.765	-0.0821

NDD vs Post - Pre Exposure Delta

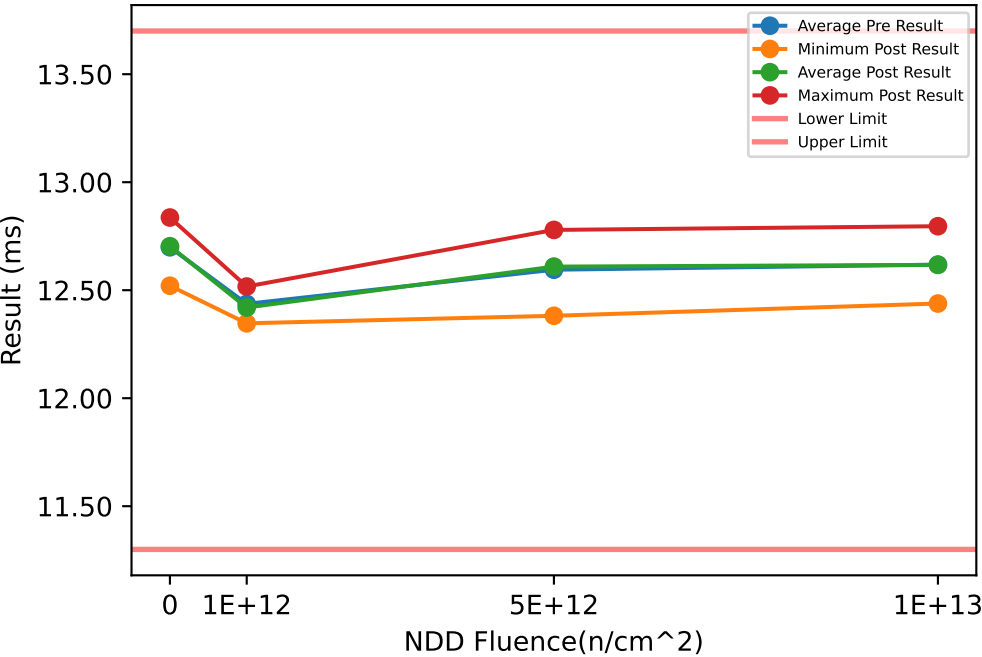


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.459	12.696	12.847	0.20802	12.461	12.648	12.765	0.16304	-0.0821	-0.0484	0.0027	0.044998
1e+12	12.301	12.419	12.561	0.10722	12.373	12.438	12.565	0.086727	-0.0104	0.019475	0.0725	0.036549
5e+12	12.345	12.603	12.727	0.17595	12.326	12.608	12.731	0.19069	-0.0187	0.004775	0.0175	0.01668
1e+13	12.386	12.593	12.764	0.18328	12.454	12.606	12.735	0.14275	-0.0436	0.01255	0.0676	0.045941

Device Test: 5.64; DLY_TMR_500KOHM

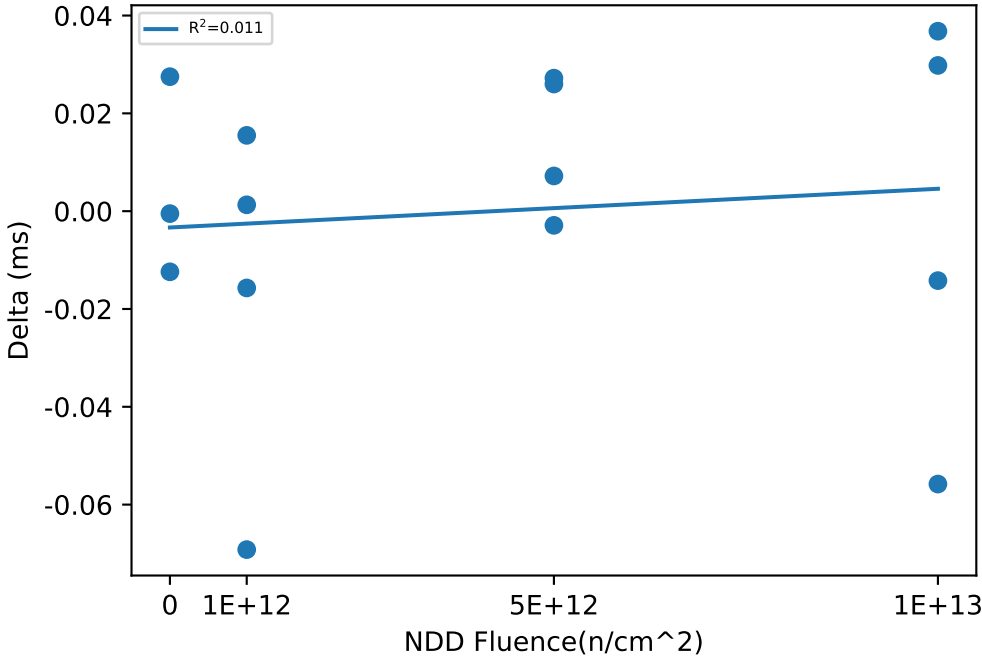
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.45	12.465	0.0155
315	1e+12	NDD Unbiased	12.349	12.35	0.0013
316	1e+12	NDD Unbiased	12.362	12.347	-0.0157
317	1e+12	NDD Unbiased	12.586	12.517	-0.0692
318	5e+12	NDD Unbiased	12.782	12.779	-0.0029
319	5e+12	NDD Unbiased	12.631	12.658	0.0272
320	5e+12	NDD Unbiased	12.592	12.618	0.026
321	5e+12	NDD Unbiased	12.374	12.382	0.0072
322	1e+13	NDD Unbiased	12.722	12.759	0.0368
323	1e+13	NDD Unbiased	12.453	12.438	-0.0142
324	1e+13	NDD Unbiased	12.532	12.476	-0.0558
325	1e+13	NDD Unbiased	12.766	12.796	0.0298
326	0	Correlation	12.493	12.521	0.0275
327	0	Correlation	12.766	12.754	-0.0124
328	0	Correlation	12.837	12.836	-0.0005

NDD vs Post - Pre Exposure Delta

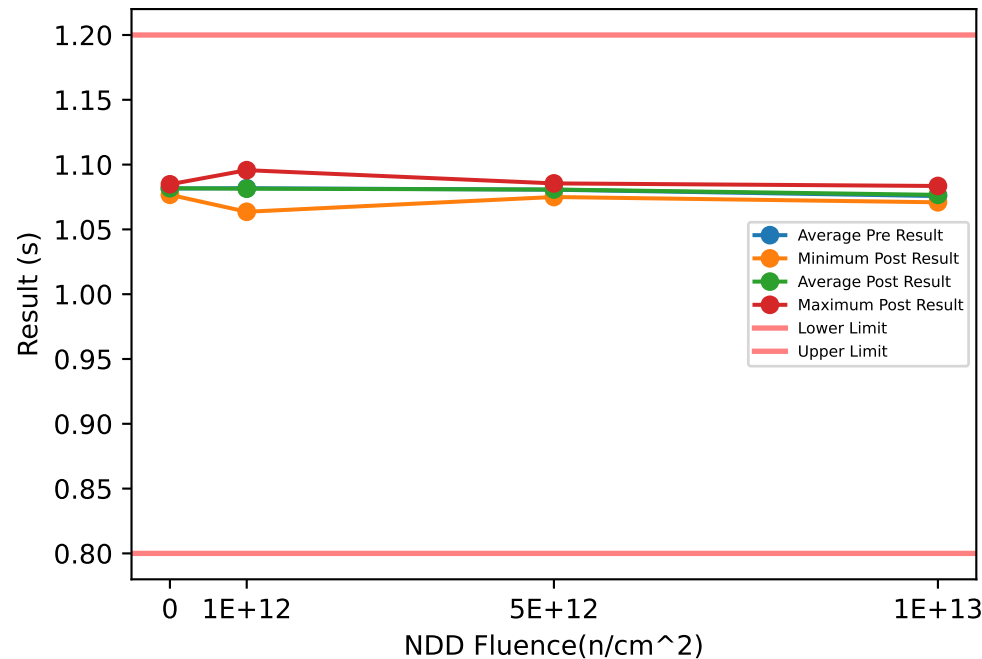


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.493	12.699	12.837	0.18148	12.521	12.704	12.836	0.1637	-0.0124	0.0048667	0.0275	0.020484
1e+12	12.349	12.437	12.586	0.10916	12.347	12.42	12.517	0.085025	-0.0692	-0.017025	0.0155	0.037048
5e+12	12.374	12.595	12.782	0.16832	12.382	12.609	12.779	0.16654	-0.0029	0.014375	0.0272	0.014714
1e+13	12.453	12.618	12.766	0.15022	12.438	12.617	12.796	0.18627	-0.0558	-0.00085	0.0368	0.04303

Device Test: 5.65; WD_TMR_500KOHM

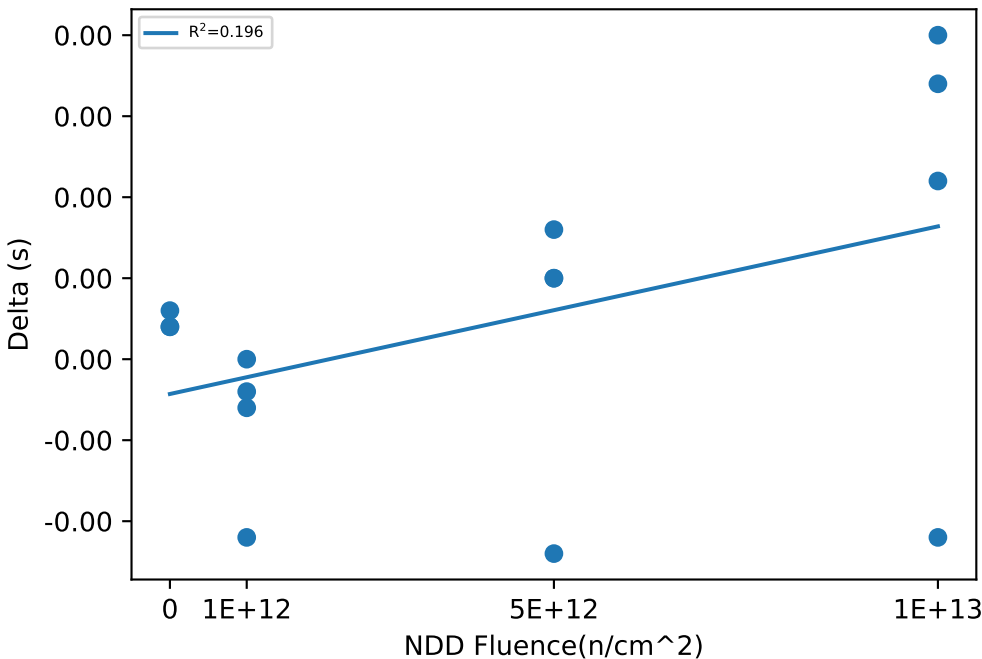
NDD vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0942	1.094	-0.0002
315	1e+12	NDD Unbiased	1.0968	1.0957	-0.0011
316	1e+12	NDD Unbiased	1.0726	1.0723	-0.0003
317	1e+12	NDD Unbiased	1.0636	1.0636	0
318	5e+12	NDD Unbiased	1.0849	1.0854	0.0005
319	5e+12	NDD Unbiased	1.0784	1.0772	-0.0012
320	5e+12	NDD Unbiased	1.0742	1.075	0.0008
321	5e+12	NDD Unbiased	1.085	1.0855	0.0005
322	1e+13	NDD Unbiased	1.076	1.0749	-0.0011
323	1e+13	NDD Unbiased	1.0753	1.0773	0.002
324	1e+13	NDD Unbiased	1.0698	1.0709	0.0011
325	1e+13	NDD Unbiased	1.0818	1.0835	0.0017
326	0	Correlation	1.0836	1.0838	0.0002
327	0	Correlation	1.0764	1.0767	0.0003
328	0	Correlation	1.0846	1.0848	0.0002

NDD vs Post - Pre Exposure Delta

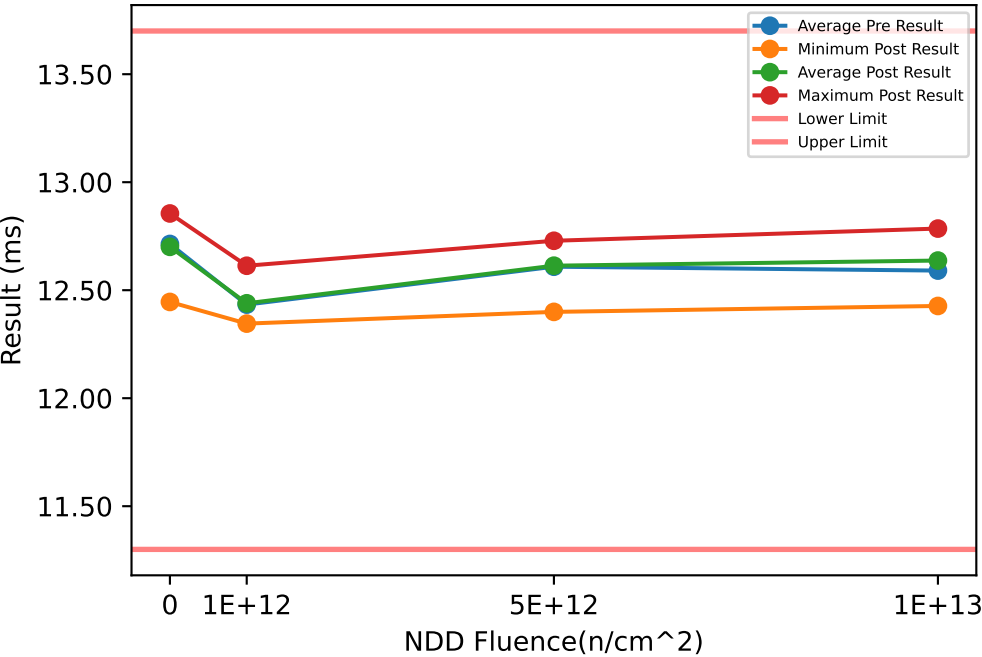


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0764	1.0815	1.0846	0.0044736	1.0767	1.0818	1.0848	0.0044163	0.0002	0.00023333	0.0003	5.7735e-05
1e+12	1.0636	1.0818	1.0968	0.016275	1.0636	1.0814	1.0957	0.015947	-0.0011	-0.0004	0	0.00048305
5e+12	1.0742	1.0806	1.085	0.0052804	1.075	1.0808	1.0855	0.0054726	-0.0012	0.00015	0.0008	0.00091104
1e+13	1.0698	1.0757	1.0818	0.0049081	1.0709	1.0766	1.0835	0.0052748	-0.0011	0.000925	0.002	0.0014009

Device Test: 5.66; DLY_TMR_500KOHM

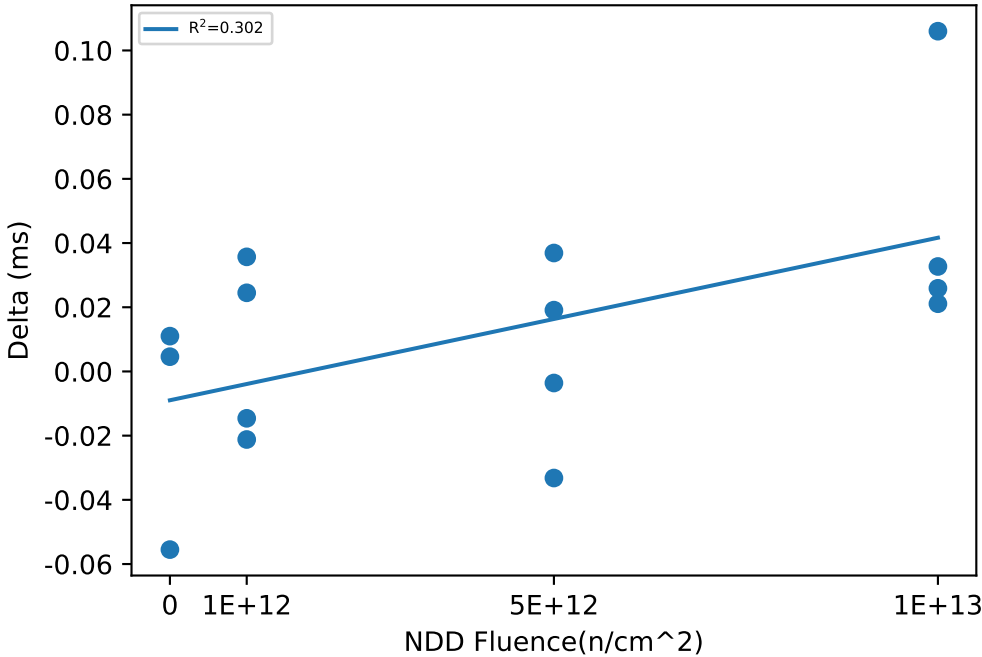
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.471	12.45	-0.0212
315	1e+12	NDD Unbiased	12.36	12.345	-0.0146
316	1e+12	NDD Unbiased	12.313	12.349	0.0357
317	1e+12	NDD Unbiased	12.589	12.613	0.0245
318	5e+12	NDD Unbiased	12.762	12.729	-0.0332
319	5e+12	NDD Unbiased	12.633	12.652	0.0191
320	5e+12	NDD Unbiased	12.636	12.673	0.0369
321	5e+12	NDD Unbiased	12.403	12.4	-0.0036
322	1e+13	NDD Unbiased	12.679	12.785	0.106
323	1e+13	NDD Unbiased	12.406	12.427	0.0211
324	1e+13	NDD Unbiased	12.521	12.553	0.0327
325	1e+13	NDD Unbiased	12.757	12.783	0.0259
326	0	Correlation	12.501	12.446	-0.0555
327	0	Correlation	12.79	12.801	0.011
328	0	Correlation	12.851	12.855	0.0046

NDD vs Post - Pre Exposure Delta

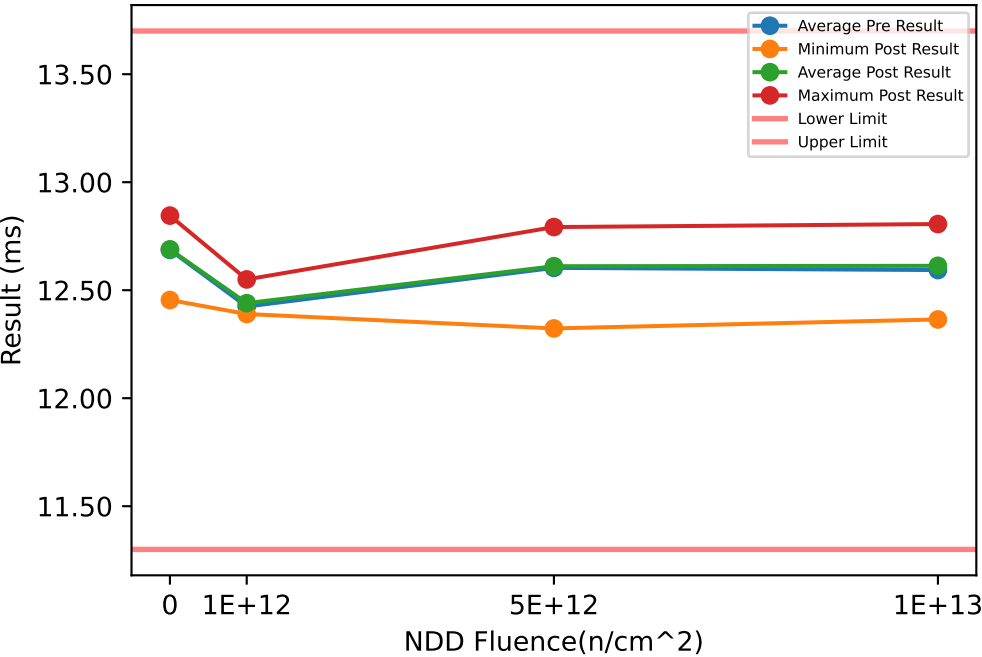


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.501	12.714	12.851	0.18685	12.446	12.701	12.855	0.22258	-0.0555	-0.0133	0.011	0.036686
1e+12	12.313	12.433	12.589	0.12294	12.345	12.439	12.613	0.1256	-0.0212	0.0061	0.0357	0.028216
5e+12	12.403	12.609	12.762	0.14955	12.4	12.614	12.729	0.1462	-0.0332	0.0048	0.0369	0.030274
1e+13	12.406	12.591	12.757	0.15779	12.427	12.637	12.785	0.17747	0.0211	0.046425	0.106	0.040001

Device Test: 5.67; DLY_TMR_500KOHM

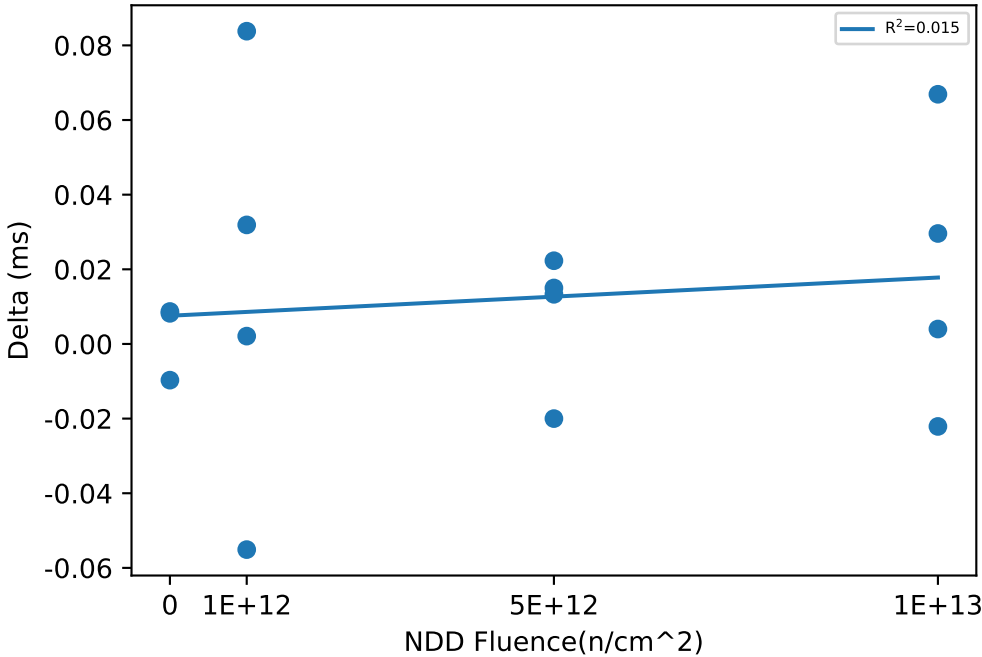
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.472	12.416	-0.0551
315	1e+12	NDD Unbiased	12.306	12.39	0.0838
316	1e+12	NDD Unbiased	12.372	12.404	0.0319
317	1e+12	NDD Unbiased	12.548	12.55	0.0021
318	5e+12	NDD Unbiased	12.77	12.792	0.0223
319	5e+12	NDD Unbiased	12.678	12.693	0.015
320	5e+12	NDD Unbiased	12.623	12.636	0.0133
321	5e+12	NDD Unbiased	12.343	12.323	-0.02
322	1e+13	NDD Unbiased	12.711	12.778	0.0669
323	1e+13	NDD Unbiased	12.387	12.365	-0.0221
324	1e+13	NDD Unbiased	12.473	12.502	0.0296
325	1e+13	NDD Unbiased	12.802	12.806	0.004
326	0	Correlation	12.446	12.454	0.0082
327	0	Correlation	12.777	12.767	-0.0097
328	0	Correlation	12.837	12.845	0.0087

NDD vs Post - Pre Exposure Delta

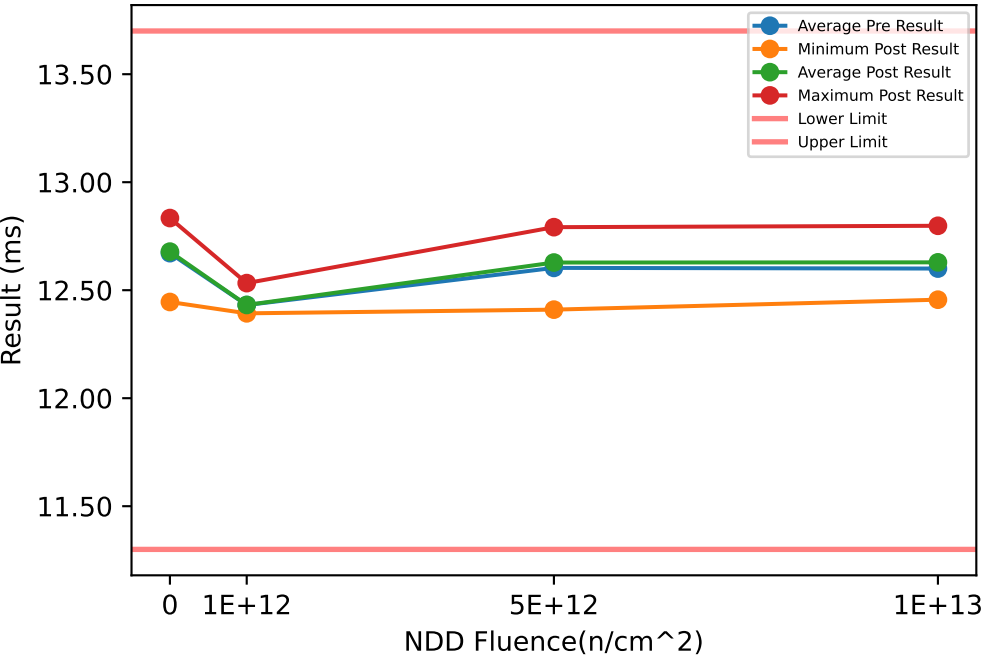


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.446	12.687	12.837	0.21026	12.454	12.689	12.845	0.20682	-0.0097	0.0024	0.0087	0.010482
1e+12	12.306	12.424	12.548	0.10687	12.39	12.44	12.55	0.074113	-0.0551	0.015675	0.0838	0.058016
5e+12	12.343	12.603	12.77	0.18395	12.323	12.611	12.792	0.20263	-0.02	0.00765	0.0223	0.018842
1e+13	12.387	12.593	12.802	0.19565	12.365	12.613	12.806	0.21496	-0.0221	0.0196	0.0669	0.037945

Device Test: 5.68; DLY_TMR_500KOHM

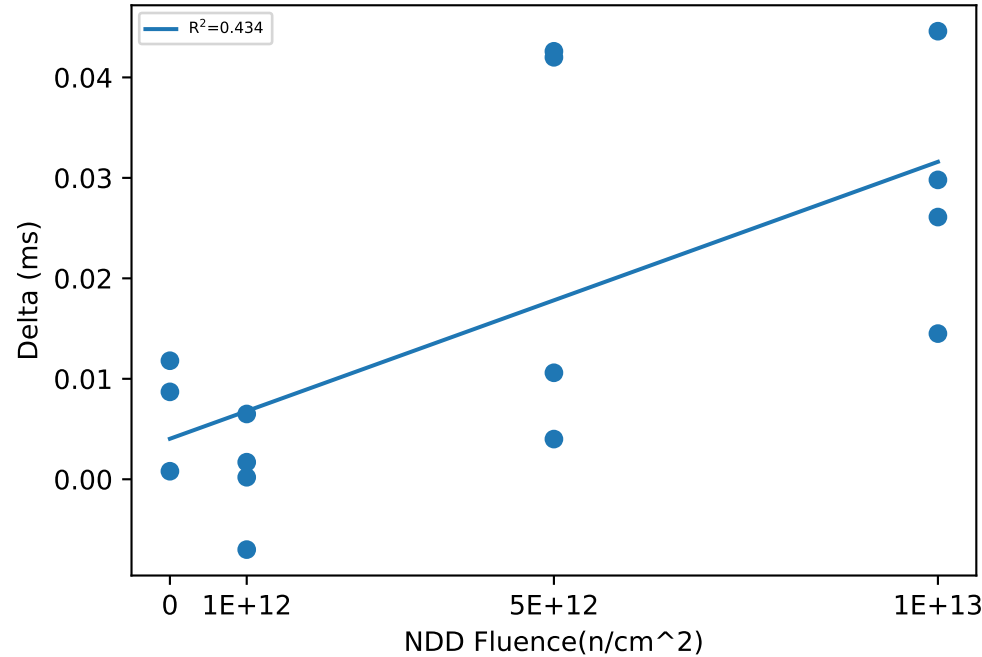
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.397	12.403	0.0065
315	1e+12	NDD Unbiased	12.393	12.393	0.0002
316	1e+12	NDD Unbiased	12.396	12.398	0.0017
317	1e+12	NDD Unbiased	12.54	12.533	-0.007
318	5e+12	NDD Unbiased	12.781	12.792	0.0106
319	5e+12	NDD Unbiased	12.64	12.682	0.042
320	5e+12	NDD Unbiased	12.586	12.629	0.0426
321	5e+12	NDD Unbiased	12.406	12.41	0.004
322	1e+13	NDD Unbiased	12.721	12.766	0.0446
323	1e+13	NDD Unbiased	12.441	12.456	0.0145
324	1e+13	NDD Unbiased	12.47	12.496	0.0261
325	1e+13	NDD Unbiased	12.768	12.798	0.0298
326	0	Correlation	12.445	12.445	0.0008
327	0	Correlation	12.748	12.756	0.0087
328	0	Correlation	12.822	12.834	0.0118

NDD vs Post - Pre Exposure Delta

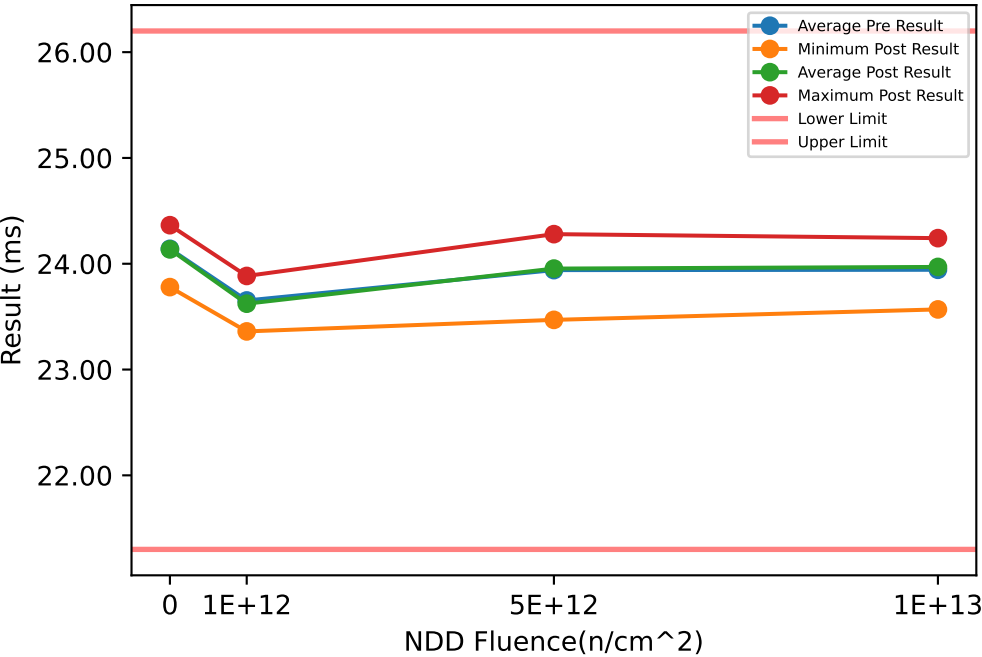


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.445	12.671	12.822	0.2	12.445	12.679	12.834	0.20565	0.0008	0.0071	0.0118	0.0056719
1e+12	12.393	12.431	12.54	0.072371	12.393	12.432	12.533	0.067581	-0.007	0.00035	0.0065	0.0055884
5e+12	12.406	12.603	12.781	0.15515	12.41	12.628	12.792	0.16048	0.004	0.0248	0.0426	0.020388
1e+13	12.441	12.6	12.768	0.16852	12.456	12.629	12.798	0.17802	0.0145	0.02875	0.0446	0.012415

Device Test: 5.69; DLY_TMR_1MOHM

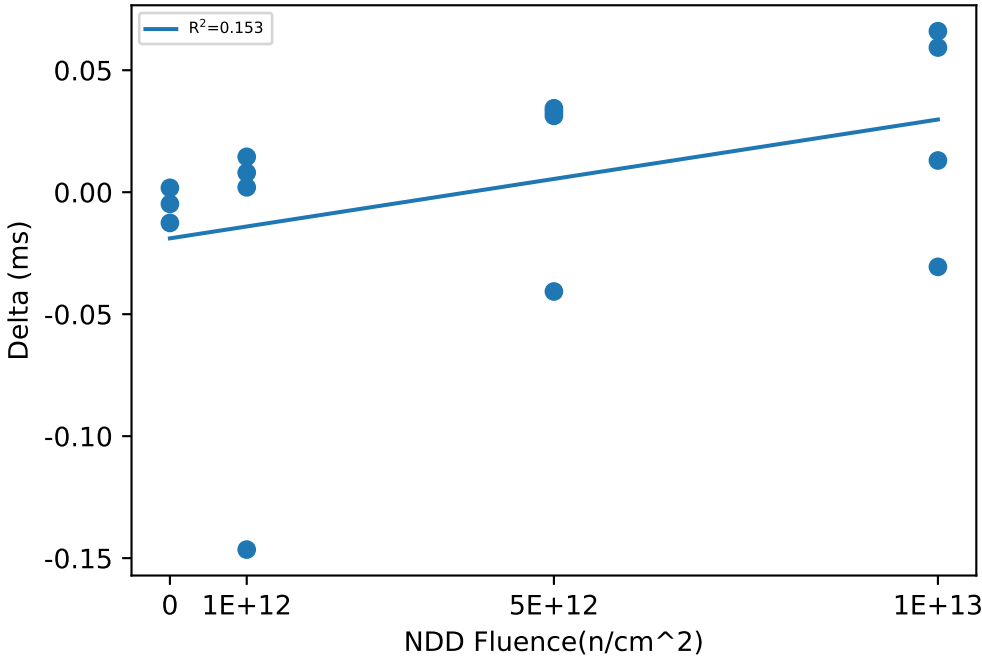
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.646	23.66	0.0145
315	1e+12	NDD Unbiased	23.583	23.585	0.002
316	1e+12	NDD Unbiased	23.352	23.36	0.008
317	1e+12	NDD Unbiased	24.031	23.885	-0.1465
318	5e+12	NDD Unbiased	24.247	24.28	0.0329
319	5e+12	NDD Unbiased	24.065	24.099	0.0344
320	5e+12	NDD Unbiased	23.937	23.968	0.0313
321	5e+12	NDD Unbiased	23.51	23.47	-0.0407
322	1e+13	NDD Unbiased	24.176	24.242	0.066
323	1e+13	NDD Unbiased	23.599	23.568	-0.0306
324	1e+13	NDD Unbiased	23.809	23.868	0.0593
325	1e+13	NDD Unbiased	24.188	24.201	0.013
326	0	Correlation	23.777	23.779	0.0018
327	0	Correlation	24.277	24.264	-0.0126
328	0	Correlation	24.369	24.364	-0.0048

NDD vs Post - Pre Exposure Delta

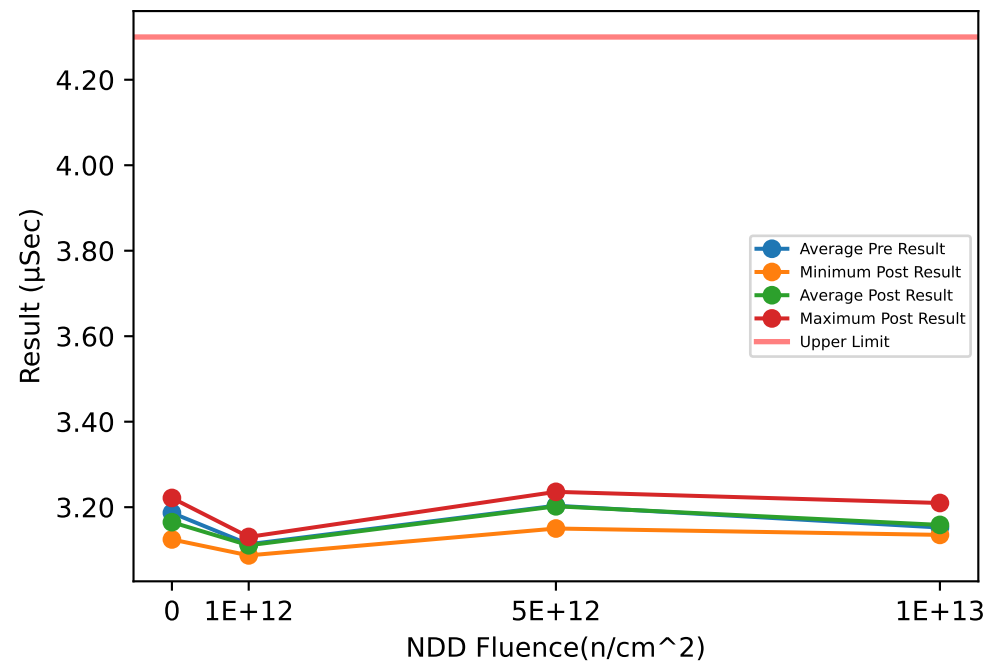


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.777	24.141	24.369	0.31839	23.779	24.136	24.364	0.31299	-0.0126	-0.0052	0.0018	0.0072083
1e+12	23.352	23.653	24.031	0.28185	23.36	23.622	23.885	0.21621	-0.1465	-0.0305	0.0145	0.077502
5e+12	23.51	23.94	24.247	0.31334	23.47	23.954	24.28	0.34748	-0.0407	0.014475	0.0344	0.036805
1e+13	23.599	23.943	24.188	0.28921	23.568	23.97	24.242	0.31585	-0.0306	0.026925	0.066	0.045011

Device Test: 5.7; PROPD_RESET

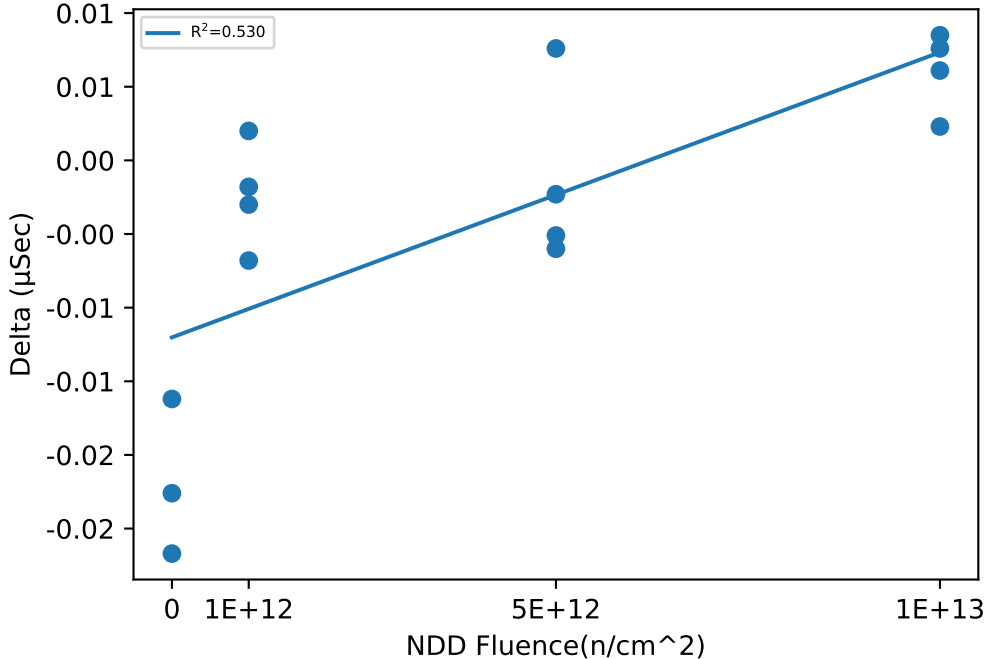
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3.0852	3.0872	0.002
315	1e+12	NDD Unbiased	3.1307	3.1239	-0.0068
316	1e+12	NDD Unbiased	3.1049	3.1019	-0.003
317	1e+12	NDD Unbiased	3.1322	3.1304	-0.0018
318	5e+12	NDD Unbiased	3.2192	3.2132	-0.006
319	5e+12	NDD Unbiased	3.1524	3.1501	-0.0023
320	5e+12	NDD Unbiased	3.2014	3.209	0.0076
321	5e+12	NDD Unbiased	3.241	3.2359	-0.0051
322	1e+13	NDD Unbiased	3.1507	3.153	0.0023
323	1e+13	NDD Unbiased	3.1291	3.1352	0.0061
324	1e+13	NDD Unbiased	3.2013	3.2098	0.0085
325	1e+13	NDD Unbiased	3.1285	3.1361	0.0076
326	0	Correlation	3.2378	3.2216	-0.0162
327	0	Correlation	3.1712	3.1486	-0.0226
328	0	Correlation	3.1512	3.1245	-0.0267

NDD vs Post - Pre Exposure Delta

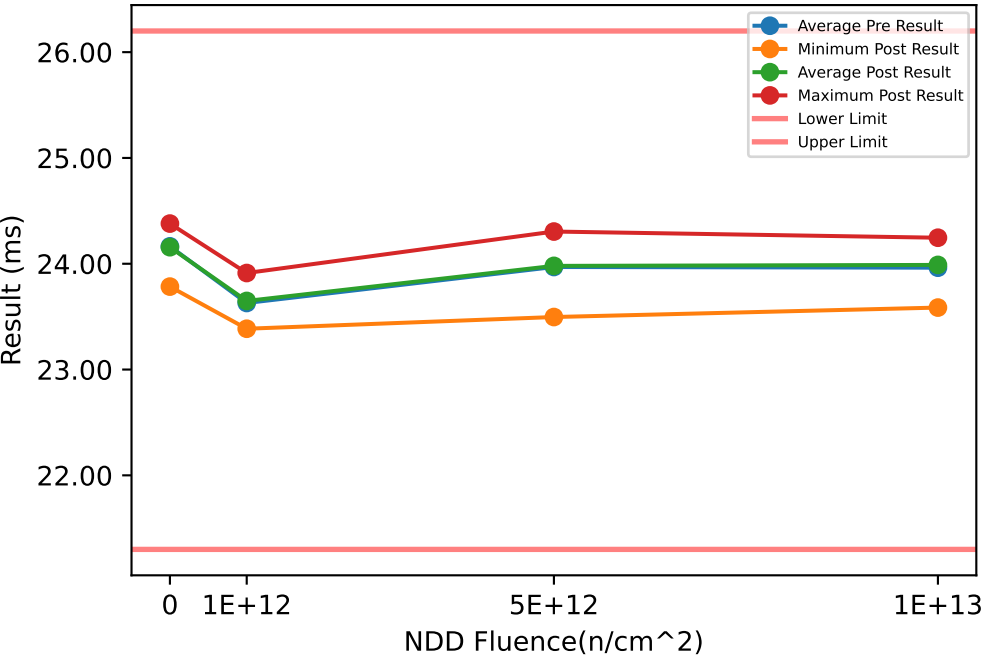


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.1512	3.1867	3.2378	0.045342	3.1245	3.1649	3.2216	0.050561	-0.0267	-0.021833	-0.0162	0.0052918
1e+12	3.0852	3.1132	3.1322	0.02251	3.0872	3.1109	3.1304	0.019933	-0.0068	-0.0024	0.002	0.0036258
5e+12	3.1524	3.2035	3.241	0.03772	3.1501	3.202	3.2359	0.036593	-0.006	-0.00145	0.0076	0.0062357
1e+13	3.1285	3.1524	3.2013	0.034196	3.1352	3.1585	3.2098	0.03515	0.0023	0.006125	0.0085	0.0027354

Device Test: 5.70; DLY_TMR_1MOHM

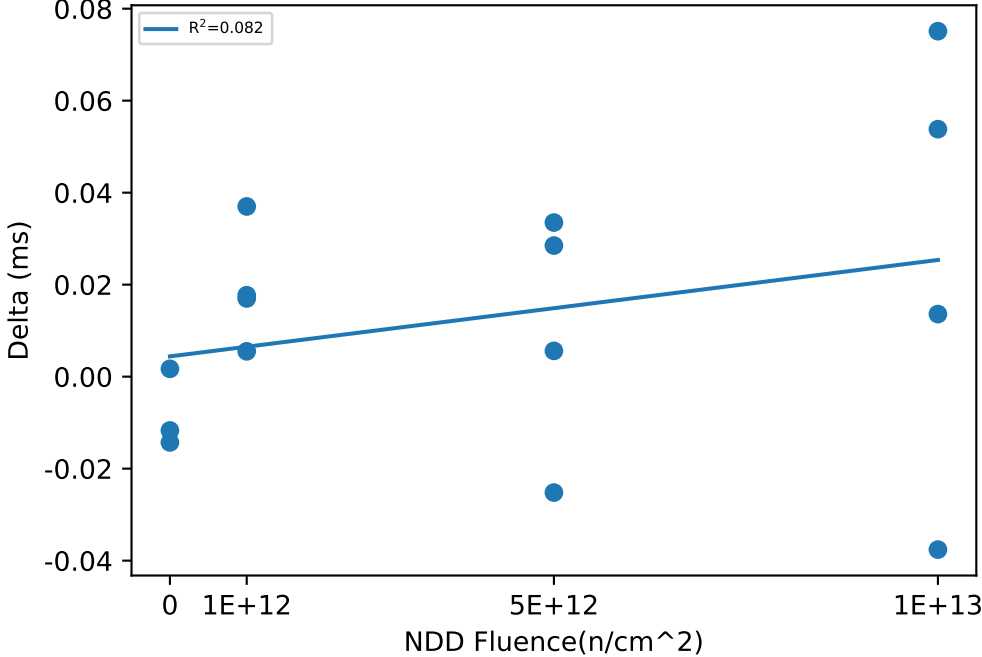
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.654	23.691	0.037
315	1e+12	NDD Unbiased	23.588	23.605	0.017
316	1e+12	NDD Unbiased	23.38	23.386	0.0055
317	1e+12	NDD Unbiased	23.895	23.912	0.0177
318	5e+12	NDD Unbiased	24.299	24.304	0.0056
319	5e+12	NDD Unbiased	24.092	24.125	0.0335
320	5e+12	NDD Unbiased	23.965	23.993	0.0285
321	5e+12	NDD Unbiased	23.522	23.496	-0.0252
322	1e+13	NDD Unbiased	24.192	24.246	0.0538
323	1e+13	NDD Unbiased	23.623	23.586	-0.0376
324	1e+13	NDD Unbiased	23.822	23.897	0.0751
325	1e+13	NDD Unbiased	24.214	24.227	0.0136
326	0	Correlation	23.796	23.784	-0.0117
327	0	Correlation	24.304	24.305	0.0017
328	0	Correlation	24.394	24.38	-0.0143

NDD vs Post - Pre Exposure Delta

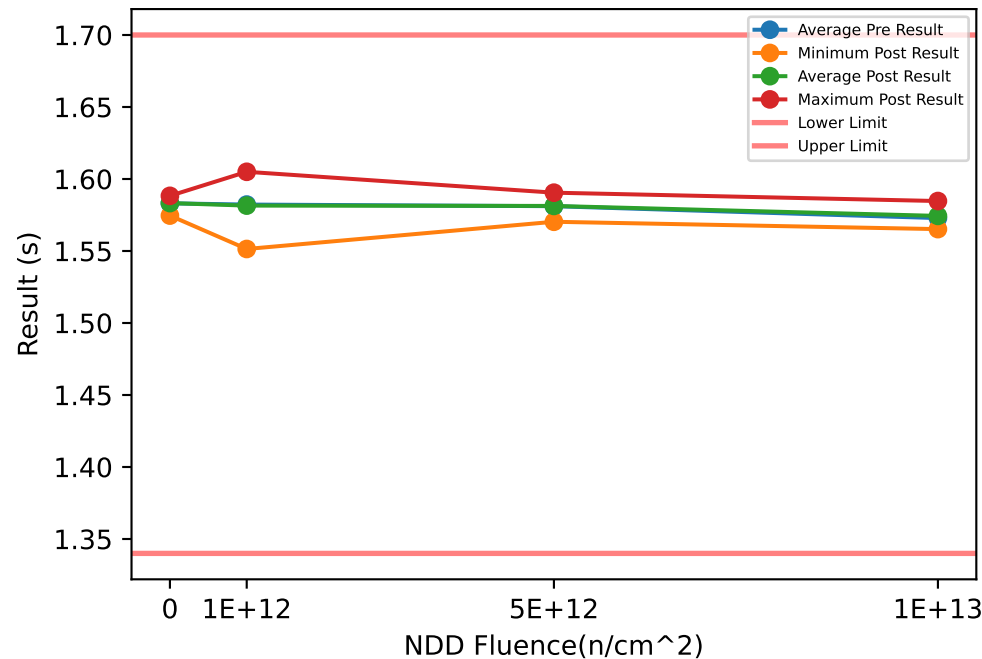


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.796	24.165	24.394	0.32256	23.784	24.156	24.38	0.32463	-0.0143	-0.0081	0.0017	0.008586
1e+12	23.38	23.629	23.895	0.212	23.386	23.648	23.912	0.2179	0.0055	0.0193	0.037	0.013059
5e+12	23.522	23.969	24.299	0.32868	23.496	23.98	24.304	0.34663	-0.0252	0.0106	0.0335	0.02678
1e+13	23.623	23.963	24.214	0.28906	23.586	23.989	24.246	0.31301	-0.0376	0.026225	0.0751	0.049606

Device Test: 5.71; WD_TMR_1MOHM

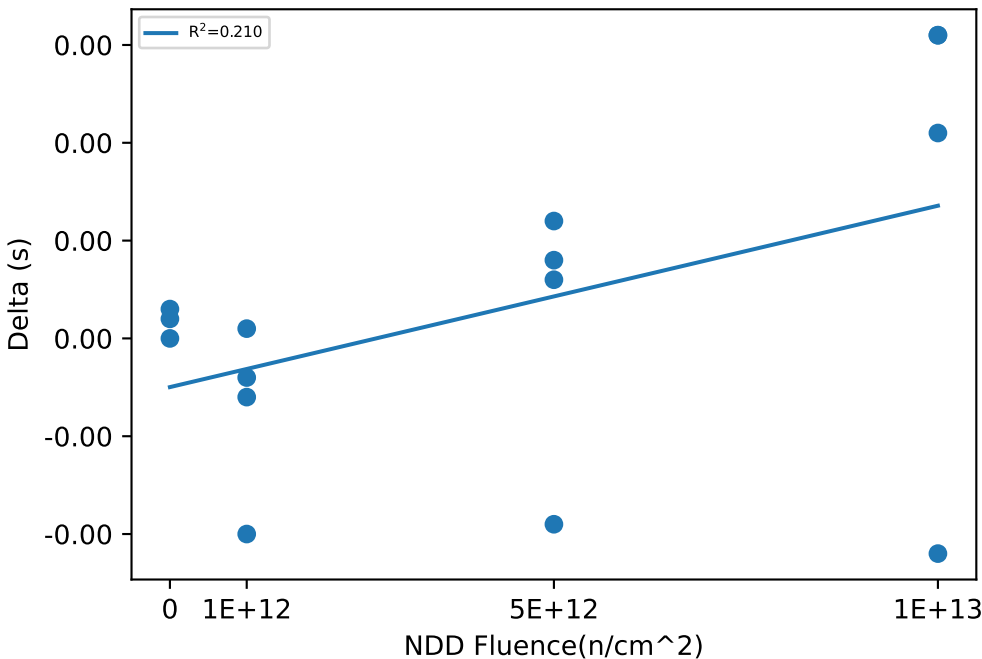
NDD vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.6048	1.6044	-0.0004
315	1e+12	NDD Unbiased	1.607	1.605	-0.002
316	1e+12	NDD Unbiased	1.5659	1.5653	-0.0006
317	1e+12	NDD Unbiased	1.5513	1.5514	0.0001
318	5e+12	NDD Unbiased	1.5872	1.5878	0.0006
319	5e+12	NDD Unbiased	1.5785	1.5766	-0.0019
320	5e+12	NDD Unbiased	1.5691	1.5703	0.0012
321	5e+12	NDD Unbiased	1.5897	1.5905	0.0008
322	1e+13	NDD Unbiased	1.574	1.5718	-0.0022
323	1e+13	NDD Unbiased	1.5727	1.5758	0.0031
324	1e+13	NDD Unbiased	1.5631	1.5652	0.0021
325	1e+13	NDD Unbiased	1.5816	1.5847	0.0031
326	0	Correlation	1.5867	1.5869	0.0002
327	0	Correlation	1.5743	1.5746	0.0003
328	0	Correlation	1.5883	1.5883	0

NDD vs Post - Pre Exposure Delta

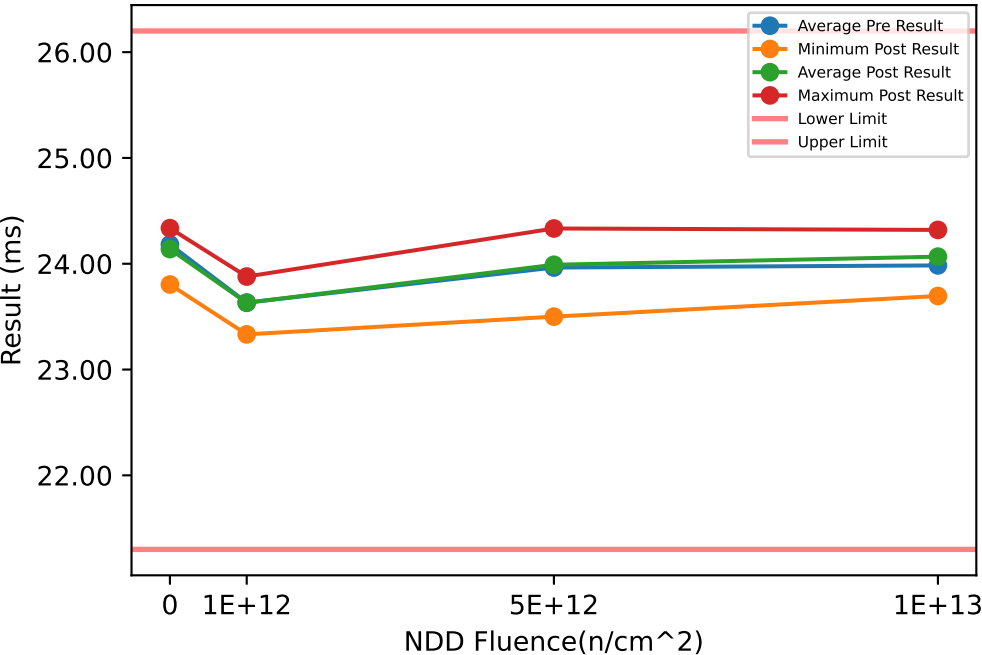


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5743	1.5831	1.5883	0.0076629	1.5746	1.5833	1.5883	0.0075381	0	0.00016667	0.0003	0.00015275
1e+12	1.5513	1.5822	1.607	0.027966	1.5514	1.5815	1.605	0.027356	-0.002	-0.000725	0.0001	0.00089954
5e+12	1.5691	1.5811	1.5897	0.0093439	1.5703	1.5813	1.5905	0.0094865	-0.0019	0.000175	0.0012	0.0014056
1e+13	1.5631	1.5728	1.5816	0.0075932	1.5652	1.5744	1.5847	0.0081537	-0.0022	0.001525	0.0031	0.0025277

Device Test: 5.72; DLY_TMR_1MOHM

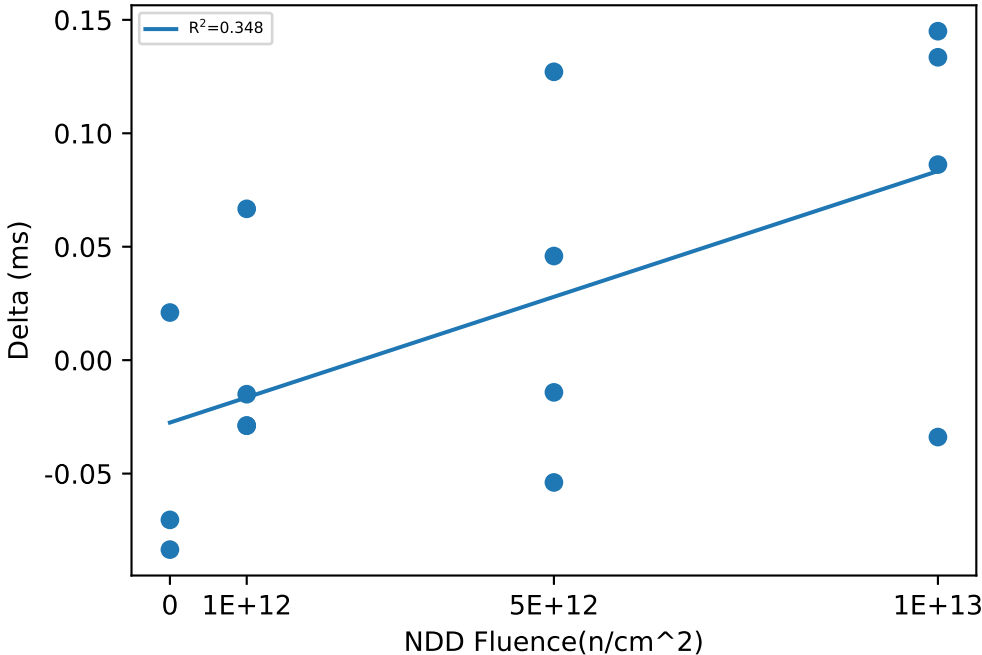
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.814	23.785	-0.0289
315	1e+12	NDD Unbiased	23.462	23.529	0.0667
316	1e+12	NDD Unbiased	23.361	23.332	-0.0288
317	1e+12	NDD Unbiased	23.894	23.879	-0.015
318	5e+12	NDD Unbiased	24.348	24.333	-0.0142
319	5e+12	NDD Unbiased	24.128	24.074	-0.0539
320	5e+12	NDD Unbiased	23.927	24.055	0.1271
321	5e+12	NDD Unbiased	23.454	23.5	0.0459
322	1e+13	NDD Unbiased	24.234	24.32	0.0862
323	1e+13	NDD Unbiased	23.729	23.695	-0.0339
324	1e+13	NDD Unbiased	23.806	23.951	0.145
325	1e+13	NDD Unbiased	24.168	24.302	0.1335
326	0	Correlation	23.783	23.804	0.021
327	0	Correlation	24.359	24.276	-0.0835
328	0	Correlation	24.407	24.337	-0.0704

NDD vs Post - Pre Exposure Delta

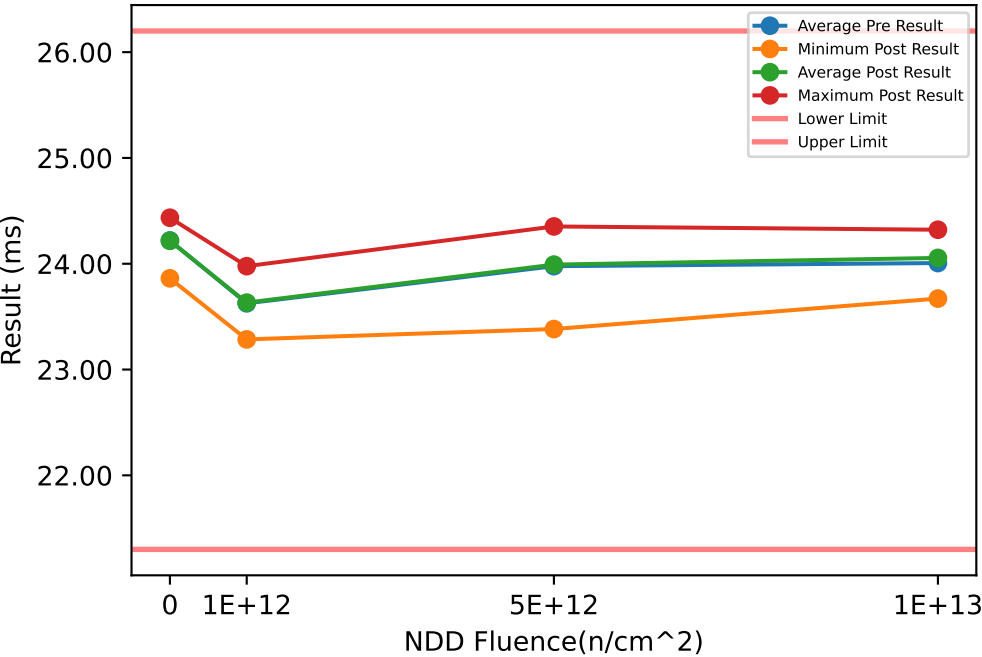


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.783	24.183	24.407	0.34743	23.804	24.139	24.337	0.29165	-0.0835	-0.0443	0.021	0.05693
1e+12	23.361	23.633	23.894	0.2607	23.332	23.631	23.879	0.24818	-0.0289	-0.0015	0.0667	0.045933
5e+12	23.454	23.964	24.348	0.38087	23.5	23.99	24.333	0.35077	-0.0539	0.026225	0.1271	0.078776
1e+13	23.729	23.984	24.234	0.25348	23.695	24.067	24.32	0.30034	-0.0339	0.0827	0.145	0.081792

Device Test: 5.73; DLY_TMR_1MOHM

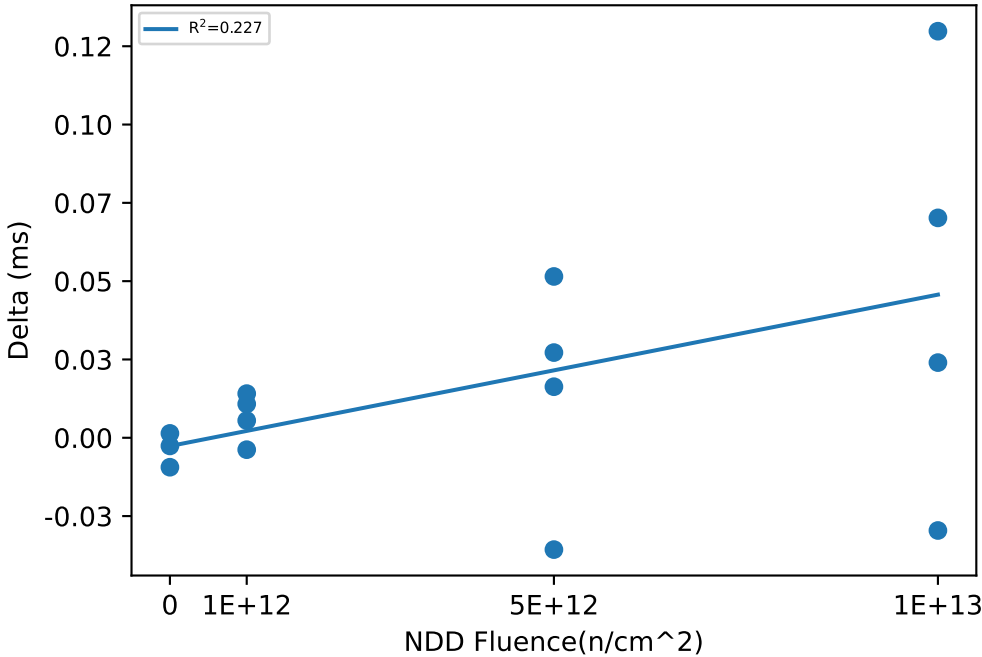
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.748	23.762	0.0141
315	1e+12	NDD Unbiased	23.51	23.506	-0.0038
316	1e+12	NDD Unbiased	23.279	23.285	0.0055
317	1e+12	NDD Unbiased	23.966	23.977	0.0108
318	5e+12	NDD Unbiased	24.336	24.352	0.0163
319	5e+12	NDD Unbiased	24.127	24.179	0.0515
320	5e+12	NDD Unbiased	24.026	24.053	0.0272
321	5e+12	NDD Unbiased	23.419	23.383	-0.0357
322	1e+13	NDD Unbiased	24.192	24.322	0.1298
323	1e+13	NDD Unbiased	23.7	23.671	-0.0296
324	1e+13	NDD Unbiased	23.882	23.952	0.0702
325	1e+13	NDD Unbiased	24.252	24.276	0.024
326	0	Correlation	23.865	23.862	-0.0026
327	0	Correlation	24.352	24.353	0.0014
328	0	Correlation	24.444	24.435	-0.0094

NDD vs Post - Pre Exposure Delta

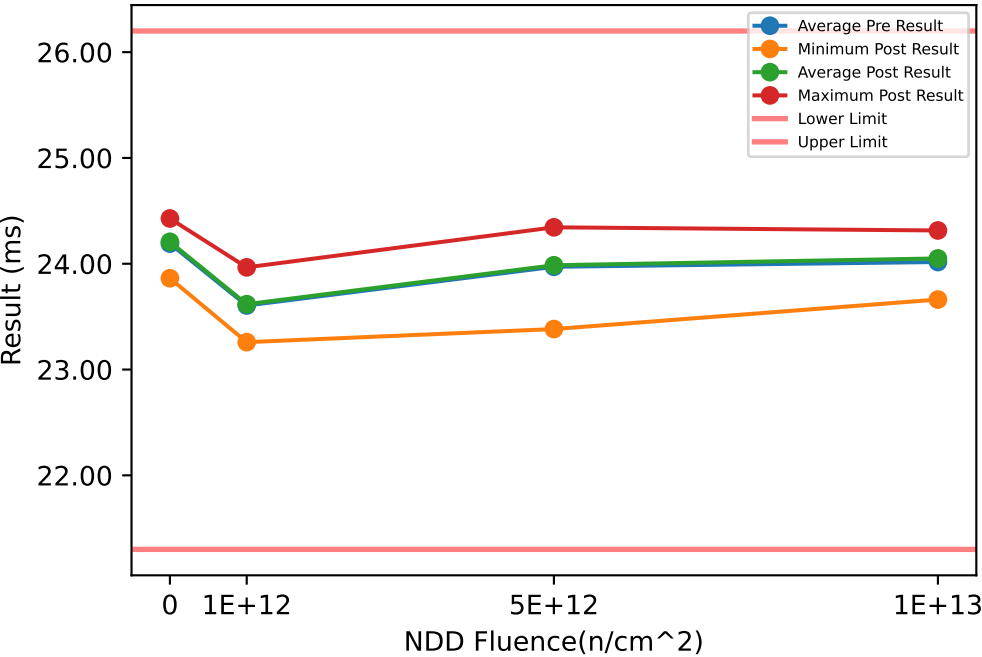


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.865	24.22	24.444	0.31133	23.862	24.217	24.435	0.30977	-0.0094	-0.0035333	0.0014	0.0054602
1e+12	23.279	23.626	23.966	0.29684	23.285	23.633	23.977	0.30133	-0.0038	0.00665	0.0141	0.0078156
5e+12	23.419	23.977	24.336	0.39409	23.383	23.992	24.352	0.42415	-0.0357	0.014825	0.0515	0.036757
1e+13	23.7	24.006	24.252	0.26074	23.671	24.055	24.322	0.30453	-0.0296	0.0486	0.1298	0.067775

Device Test: 5.74; DLY_TMR_1MOHM

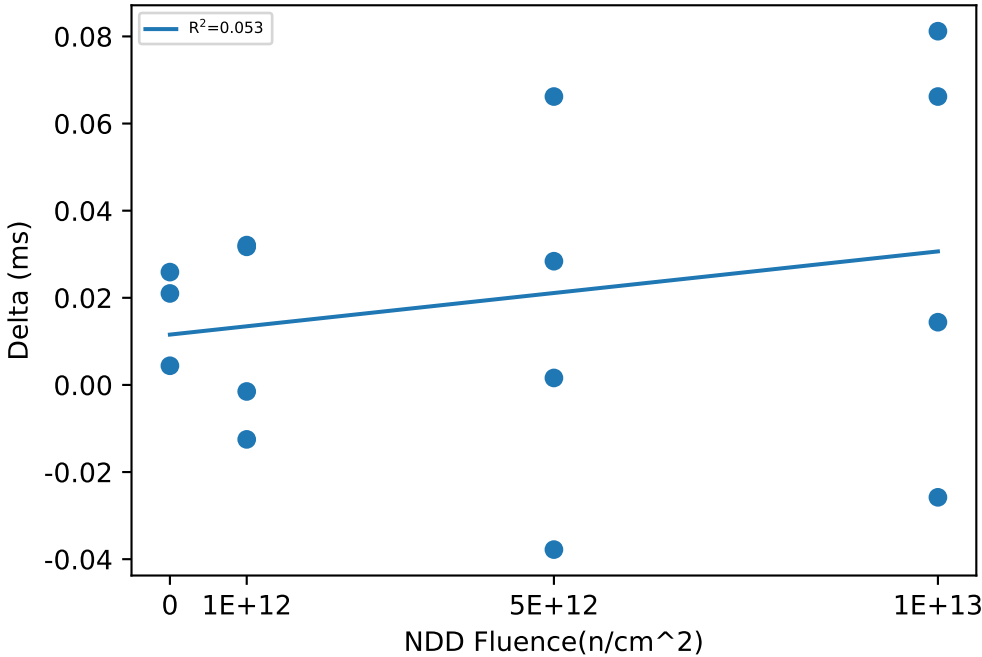
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.718	23.75	0.0317
315	1e+12	NDD Unbiased	23.498	23.496	-0.0015
316	1e+12	NDD Unbiased	23.271	23.259	-0.0125
317	1e+12	NDD Unbiased	23.934	23.966	0.0321
318	5e+12	NDD Unbiased	24.343	24.344	0.0016
319	5e+12	NDD Unbiased	24.107	24.173	0.0662
320	5e+12	NDD Unbiased	24.015	24.044	0.0284
321	5e+12	NDD Unbiased	23.42	23.383	-0.0378
322	1e+13	NDD Unbiased	24.233	24.315	0.0812
323	1e+13	NDD Unbiased	23.687	23.662	-0.0258
324	1e+13	NDD Unbiased	23.887	23.953	0.0662
325	1e+13	NDD Unbiased	24.258	24.272	0.0144
326	0	Correlation	23.837	23.863	0.0259
327	0	Correlation	24.311	24.332	0.021
328	0	Correlation	24.423	24.428	0.0044

NDD vs Post - Pre Exposure Delta

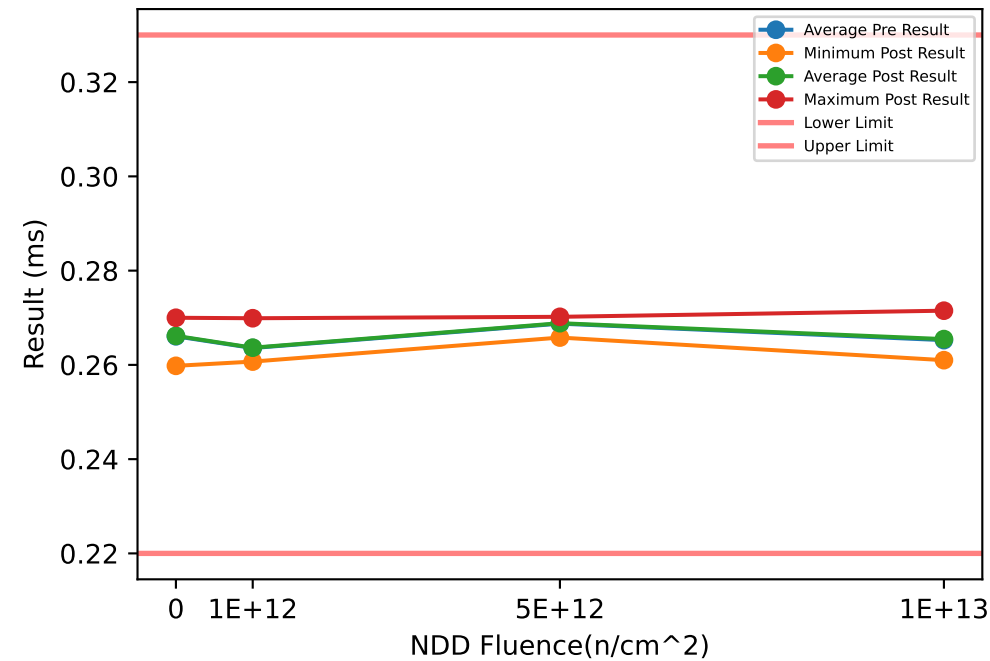


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.837	24.19	24.423	0.31113	23.863	24.208	24.428	0.30221	0.0044	0.0171	0.0259	0.011268
1e+12	23.271	23.605	23.934	0.28511	23.259	23.618	23.966	0.30679	-0.0125	0.01245	0.0321	0.022904
5e+12	23.42	23.971	24.343	0.39229	23.383	23.986	24.344	0.4206	-0.0378	0.0146	0.0662	0.043847
1e+13	23.687	24.016	24.258	0.27703	23.662	24.05	24.315	0.30523	-0.0258	0.034	0.0812	0.049074

Device Test: 5.75; DLY_TMR_10KOHM

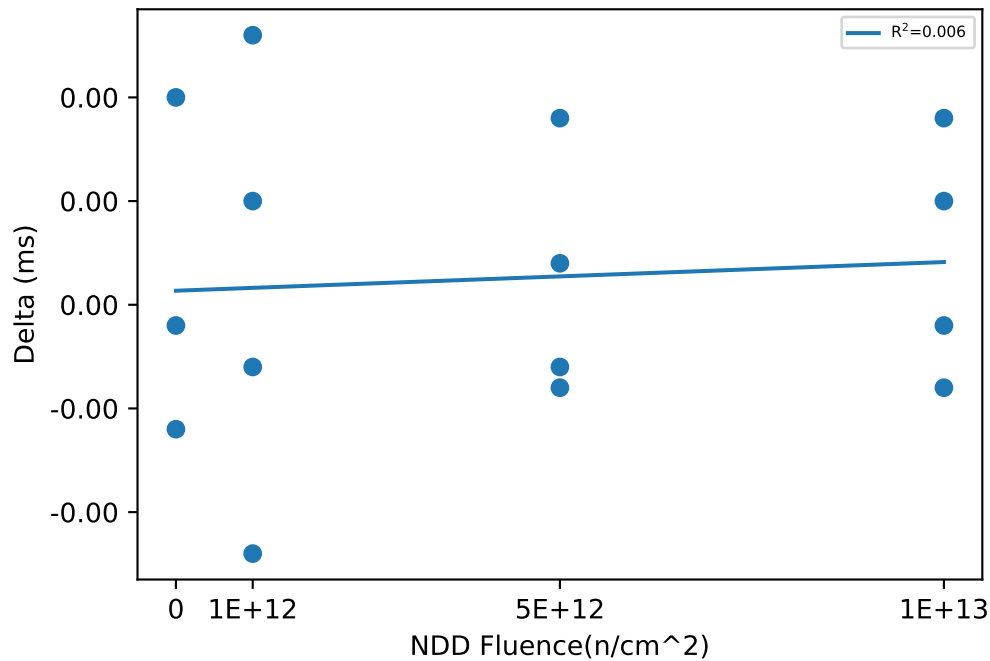
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.261	0.2607	-0.0003
315	1e+12	NDD Unbiased	0.2598	0.2611	0.0013
316	1e+12	NDD Unbiased	0.2694	0.2699	0.0005
317	1e+12	NDD Unbiased	0.2641	0.2629	-0.0012
318	5e+12	NDD Unbiased	0.2704	0.27	-0.0004
319	5e+12	NDD Unbiased	0.27	0.2702	0.0002
320	5e+12	NDD Unbiased	0.2685	0.2694	0.0009
321	5e+12	NDD Unbiased	0.2661	0.2658	-0.0003
322	1e+13	NDD Unbiased	0.2682	0.2681	-0.0001
323	1e+13	NDD Unbiased	0.2608	0.2613	0.0005
324	1e+13	NDD Unbiased	0.2601	0.261	0.0009
325	1e+13	NDD Unbiased	0.2719	0.2715	-0.0004
326	0	Correlation	0.2599	0.2598	-0.0001
327	0	Correlation	0.269	0.27	0.001
328	0	Correlation	0.2693	0.2687	-0.0006

NDD vs Post - Pre Exposure Delta

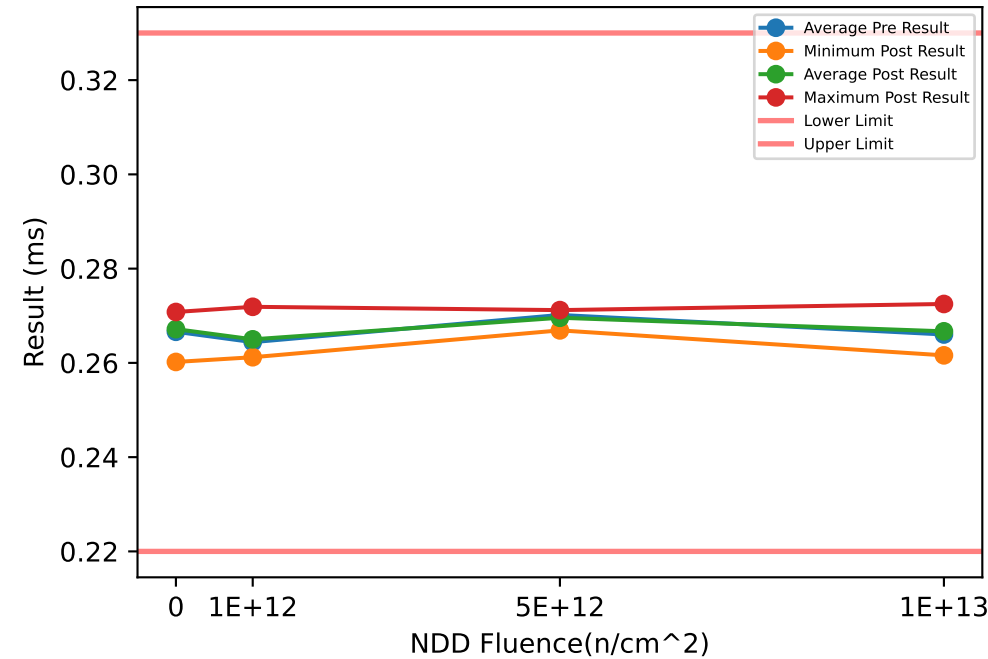


Test Statistics (ms)

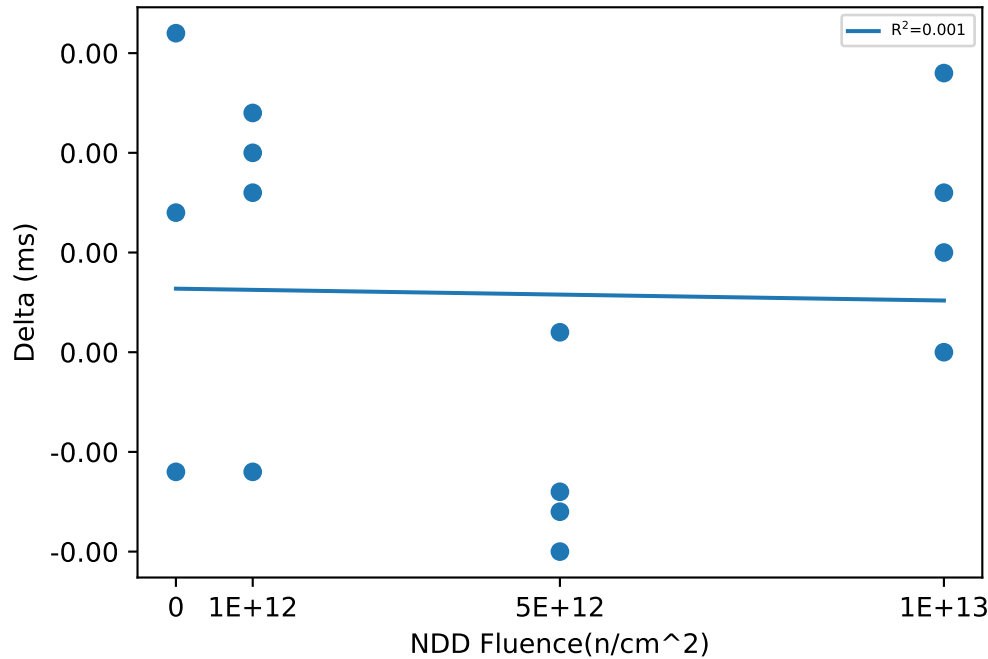
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2599	0.26607	0.2693	0.0053426	0.2598	0.26617	0.27	0.0055519	-0.0006	0.0001	0.001	0.00081854
1e+12	0.2598	0.26358	0.2694	0.0042851	0.2607	0.26365	0.2699	0.0042751	-0.0012	7.5e-05	0.0013	0.001072
5e+12	0.2661	0.26875	0.2704	0.0019468	0.2658	0.26885	0.2702	0.0020616	-0.0004	0.0001	0.0009	0.00059442
1e+13	0.2601	0.26525	0.2719	0.0057518	0.261	0.26548	0.2715	0.0051848	-0.0004	0.000225	0.0009	0.00058523

Device Test: 5.76; DLY_TMR_10KOHM

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

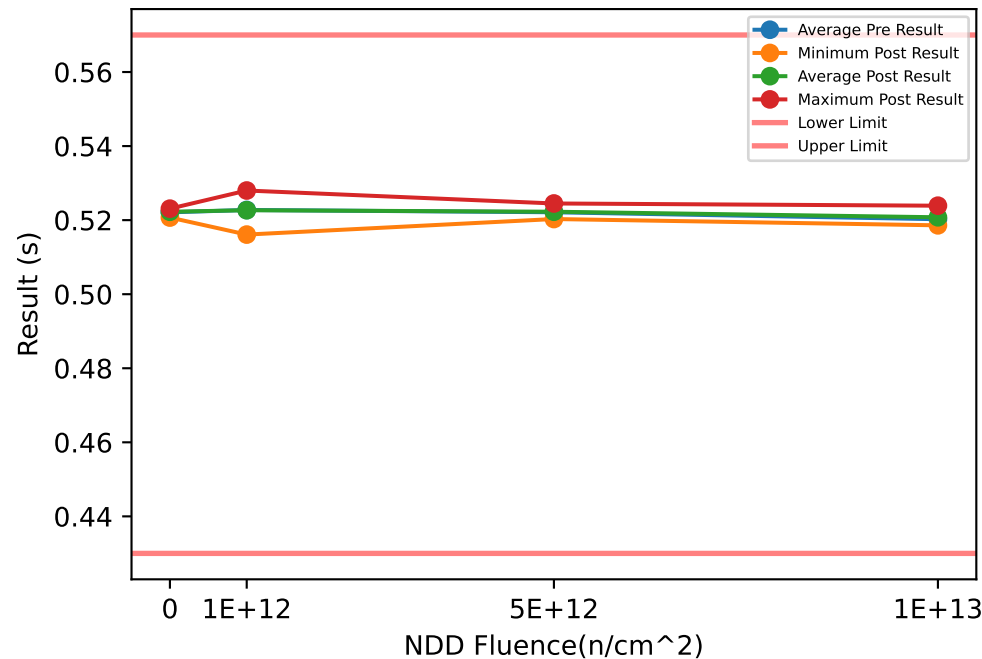
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.261	0.262	0.001
315	1e+12	NDD Unbiased	0.2618	0.2612	-0.0006
316	1e+12	NDD Unbiased	0.2707	0.2719	0.0012
317	1e+12	NDD Unbiased	0.2641	0.2649	0.0008
318	5e+12	NDD Unbiased	0.2711	0.2712	0.0001
319	5e+12	NDD Unbiased	0.2715	0.2707	-0.0008
320	5e+12	NDD Unbiased	0.2705	0.2695	-0.001
321	5e+12	NDD Unbiased	0.2676	0.2669	-0.0007
322	1e+13	NDD Unbiased	0.2687	0.2692	0.0005
323	1e+13	NDD Unbiased	0.2627	0.2635	0.0008
324	1e+13	NDD Unbiased	0.2616	0.2616	0
325	1e+13	NDD Unbiased	0.2711	0.2725	0.0014
326	0	Correlation	0.2608	0.2602	-0.0006
327	0	Correlation	0.2698	0.2705	0.0007
328	0	Correlation	0.2692	0.2708	0.0016

Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2608	0.2666	0.2698	0.0050319	0.2602	0.26717	0.2708	0.0060352	-0.0006	0.00056667	0.0016	0.001106
1e+12	0.261	0.2644	0.2707	0.0044008	0.2612	0.265	0.2719	0.0048669	-0.0006	0.0006	0.0012	0.0008165
5e+12	0.2676	0.27017	0.2715	0.0017652	0.2669	0.26958	0.2712	0.0019207	-0.001	-0.0006	0.0001	0.00048305
1e+13	0.2616	0.26603	0.2711	0.0046024	0.2616	0.2667	0.2725	0.0050379	0	0.000675	0.0014	0.00058523

Device Test: 5.77; WD_TMR_10KOHM

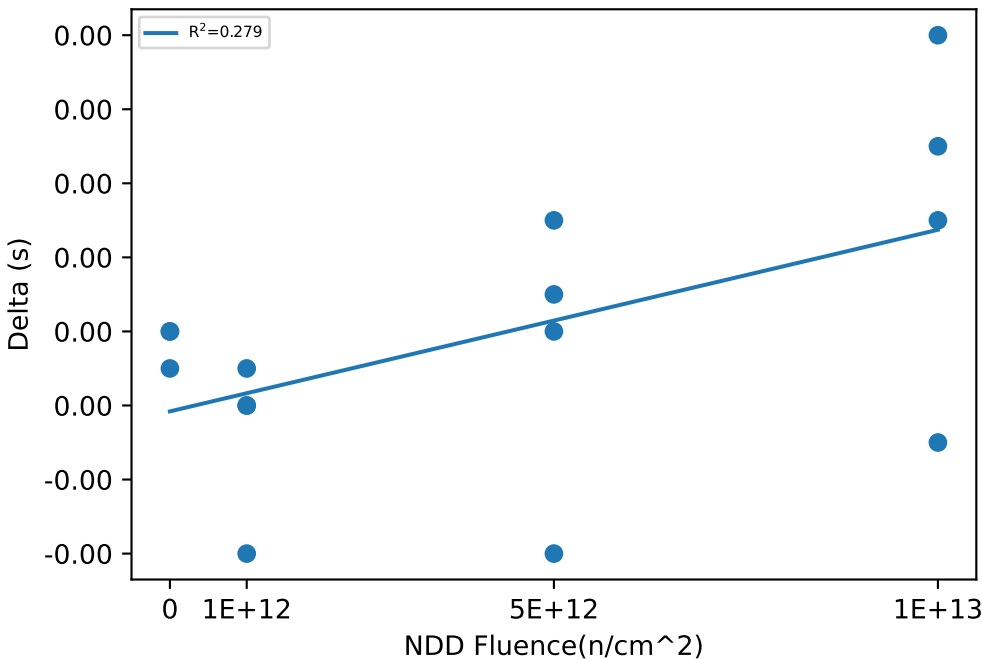
NDD vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.5269	0.5269	0
315	1e+12	NDD Unbiased	0.5284	0.528	-0.0004
316	1e+12	NDD Unbiased	0.5197	0.5197	0
317	1e+12	NDD Unbiased	0.516	0.5161	0.0001
318	5e+12	NDD Unbiased	0.5242	0.5245	0.0003
319	5e+12	NDD Unbiased	0.5207	0.5203	-0.0004
320	5e+12	NDD Unbiased	0.5204	0.5209	0.0005
321	5e+12	NDD Unbiased	0.5232	0.5234	0.0002
322	1e+13	NDD Unbiased	0.5199	0.5198	-0.0001
323	1e+13	NDD Unbiased	0.5198	0.5208	0.001
324	1e+13	NDD Unbiased	0.5181	0.5186	0.0005
325	1e+13	NDD Unbiased	0.5232	0.5239	0.0007
326	0	Correlation	0.5229	0.523	0.0001
327	0	Correlation	0.5205	0.5207	0.0002
328	0	Correlation	0.5229	0.5231	0.0002

NDD vs Post - Pre Exposure Delta

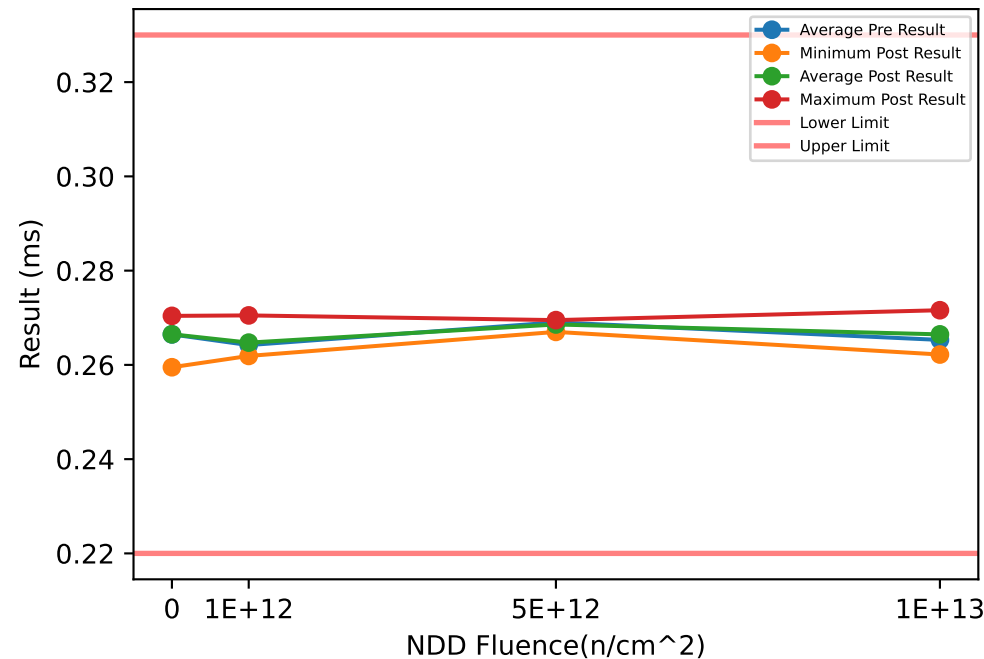


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5205	0.5221	0.5229	0.0013856	0.5207	0.52227	0.5231	0.0013577	0.0001	0.00016667	0.0002	5.7735e-05
1e+12	0.516	0.52275	0.5284	0.0058881	0.5161	0.52268	0.528	0.0057239	-0.0004	-7.5e-05	0.0001	0.00022174
5e+12	0.5204	0.52212	0.5242	0.0018679	0.5203	0.52228	0.5245	0.0020006	-0.0004	0.00015	0.0005	0.0003873
1e+13	0.5181	0.52025	0.5232	0.0021331	0.5186	0.52077	0.5239	0.0022692	-0.0001	0.000525	0.001	0.00046458

Device Test: 5.78; DLY_TMR_10KOHM

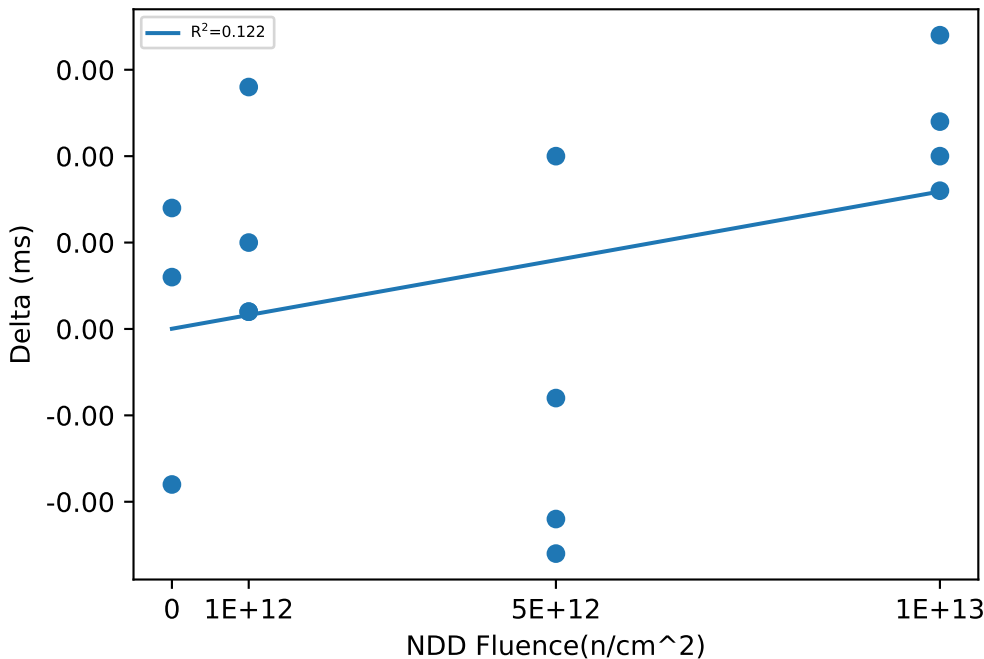
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2618	0.2619	0.0001
315	1e+12	NDD Unbiased	0.2607	0.2621	0.0014
316	1e+12	NDD Unbiased	0.2704	0.2705	0.0001
317	1e+12	NDD Unbiased	0.2639	0.2644	0.0005
318	5e+12	NDD Unbiased	0.2705	0.2694	-0.0011
319	5e+12	NDD Unbiased	0.2708	0.2695	-0.0013
320	5e+12	NDD Unbiased	0.2688	0.2684	-0.0004
321	5e+12	NDD Unbiased	0.266	0.267	0.001
322	1e+13	NDD Unbiased	0.2682	0.269	0.0008
323	1e+13	NDD Unbiased	0.2614	0.2631	0.0017
324	1e+13	NDD Unbiased	0.2612	0.2622	0.001
325	1e+13	NDD Unbiased	0.2704	0.2716	0.0012
326	0	Correlation	0.2604	0.2595	-0.0009
327	0	Correlation	0.2693	0.2696	0.0003
328	0	Correlation	0.2697	0.2704	0.0007

NDD vs Post - Pre Exposure Delta

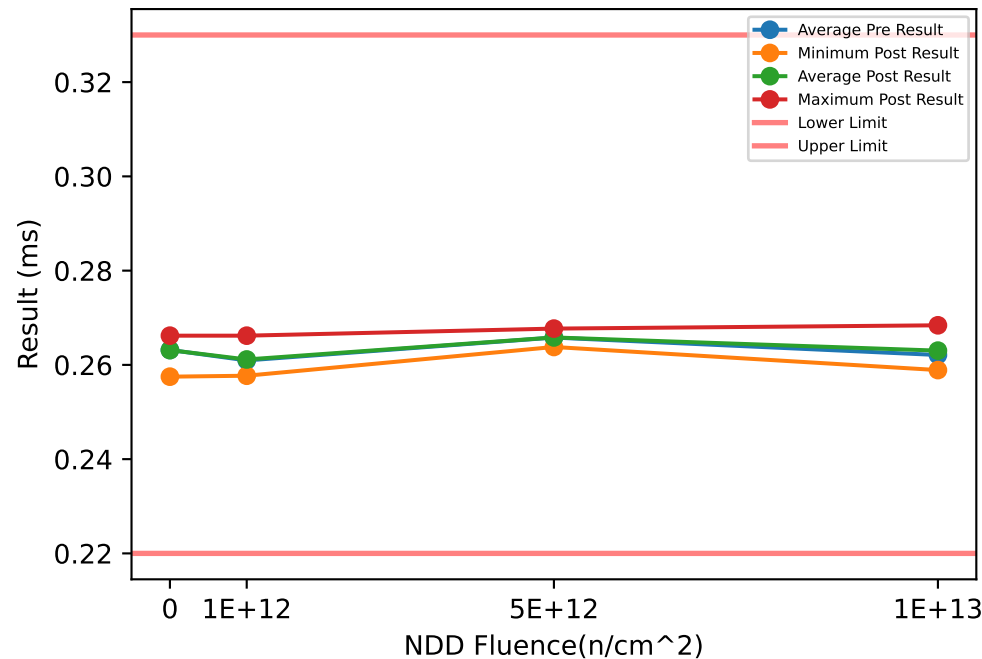


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	0.26647	0.2697	0.0052577	0.2595	0.2665	0.2704	0.0060754	-0.0009	3.3333e-05	0.0007	0.00083267
1e+12	0.2607	0.2642	0.2704	0.0043413	0.2619	0.26472	0.2705	0.0040136	0.0001	0.000525	0.0014	0.00061305
5e+12	0.266	0.26903	0.2708	0.0022006	0.267	0.26858	0.2695	0.0011615	-0.0013	-0.00045	0.001	0.0010408
1e+13	0.2612	0.2653	0.2704	0.004706	0.2622	0.26648	0.2716	0.0045573	0.0008	0.001175	0.0017	0.00038622

Device Test: 5.79; DLY_TMR_10KOHM

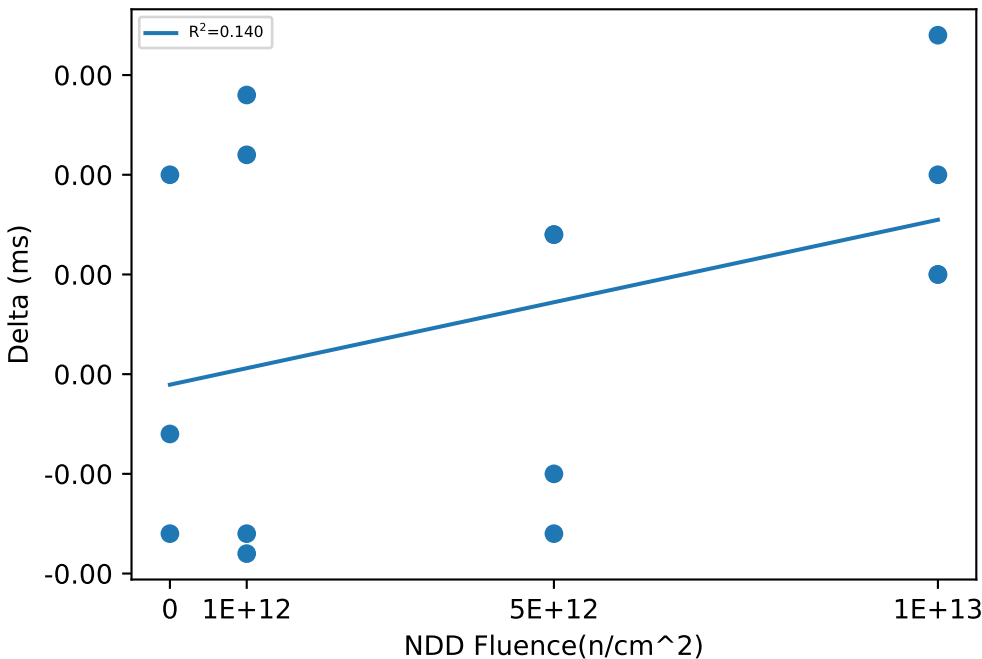
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2576	0.259	0.0014
315	1e+12	NDD Unbiased	0.2585	0.2577	-0.0008
316	1e+12	NDD Unbiased	0.2671	0.2662	-0.0009
317	1e+12	NDD Unbiased	0.2606	0.2617	0.0011
318	5e+12	NDD Unbiased	0.2675	0.2667	-0.0008
319	5e+12	NDD Unbiased	0.267	0.2677	0.0007
320	5e+12	NDD Unbiased	0.2656	0.2651	-0.0005
321	5e+12	NDD Unbiased	0.2631	0.2638	0.0007
322	1e+13	NDD Unbiased	0.2652	0.2657	0.0005
323	1e+13	NDD Unbiased	0.2586	0.2591	0.0005
324	1e+13	NDD Unbiased	0.2572	0.2589	0.0017
325	1e+13	NDD Unbiased	0.2674	0.2684	0.001
326	0	Correlation	0.2565	0.2575	0.001
327	0	Correlation	0.267	0.2662	-0.0008
328	0	Correlation	0.266	0.2657	-0.0003

NDD vs Post - Pre Exposure Delta

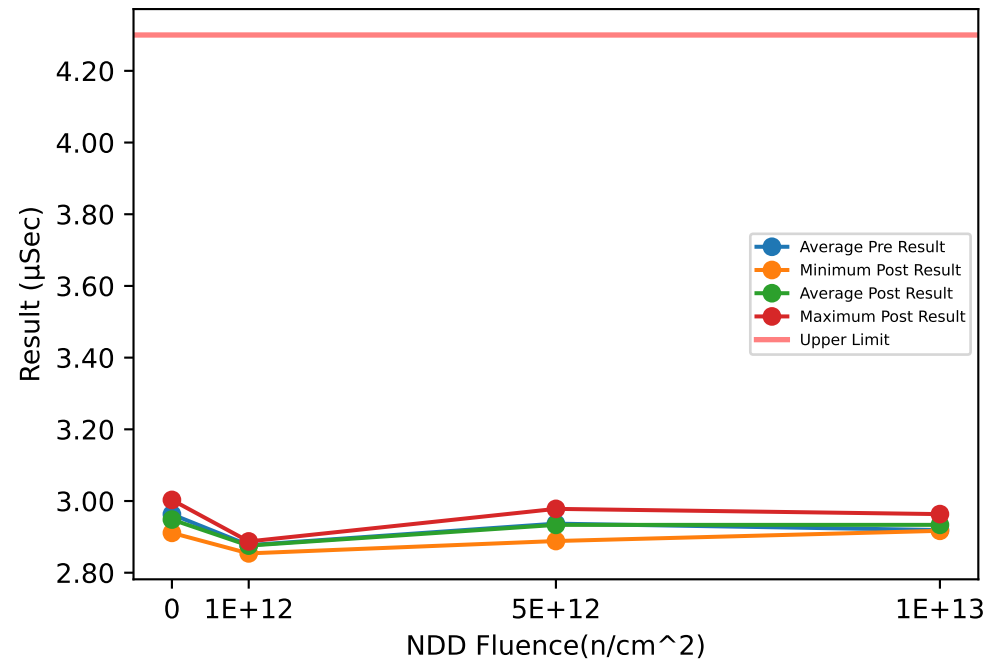


Test Statistics (ms)

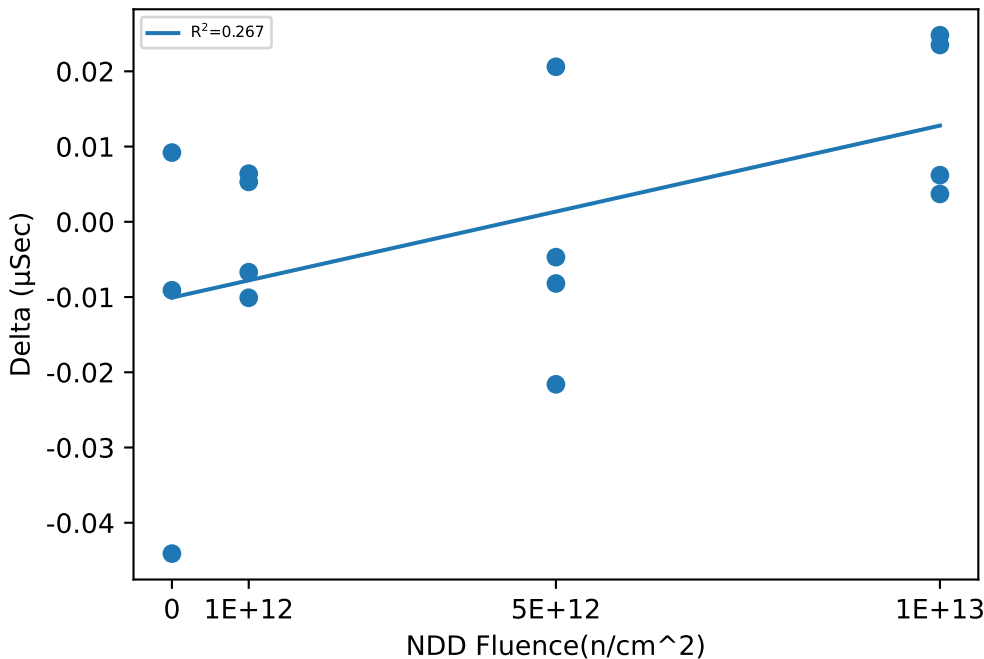
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2565	0.26317	0.267	0.0057951	0.2575	0.26313	0.2662	0.004885	-0.0008	-3.3333e-05	0.001	0.00092916
1e+12	0.2576	0.26095	0.2671	0.0042884	0.2577	0.26115	0.2662	0.0037563	-0.0009	0.0002	0.0014	0.0012193
5e+12	0.2631	0.2658	0.2675	0.0019715	0.2638	0.26582	0.2677	0.0017231	-0.0008	2.5e-05	0.0007	0.00078899
1e+13	0.2572	0.2621	0.2674	0.0049652	0.2589	0.26303	0.2684	0.0047773	0.0005	0.000925	0.0017	0.00056789

Device Test: 5.8; PROPD_PWRGD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

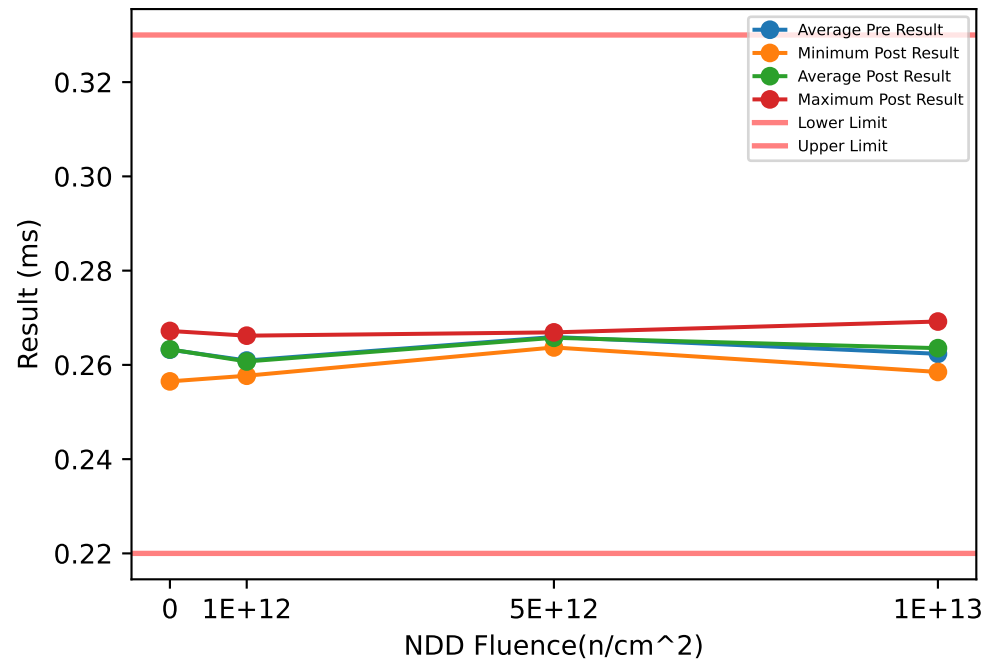
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.8797	2.885	0.0053
315	1e+12	NDD Unbiased	2.8809	2.8873	0.0064
316	1e+12	NDD Unbiased	2.8606	2.8539	-0.0067
317	1e+12	NDD Unbiased	2.8864	2.8763	-0.0101
318	5e+12	NDD Unbiased	2.9768	2.9552	-0.0216
319	5e+12	NDD Unbiased	2.8678	2.8884	0.0206
320	5e+12	NDD Unbiased	2.9168	2.9121	-0.0047
321	5e+12	NDD Unbiased	2.9863	2.9781	-0.0082
322	1e+13	NDD Unbiased	2.9314	2.9351	0.0037
323	1e+13	NDD Unbiased	2.8934	2.9169	0.0235
324	1e+13	NDD Unbiased	2.9387	2.9635	0.0248
325	1e+13	NDD Unbiased	2.9124	2.9186	0.0062
326	0	Correlation	2.9939	3.0031	0.0092
327	0	Correlation	2.9397	2.9306	-0.0091
328	0	Correlation	2.9553	2.9112	-0.0441

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9397	2.963	2.9939	0.027901	2.9112	2.9483	3.0031	0.048439	-0.0441	-0.014667	0.0092	0.027083
1e+12	2.8606	2.8769	2.8864	0.011251	2.8539	2.8756	2.8873	0.015238	-0.0101	-0.001275	0.0064	0.0083556
5e+12	2.8678	2.9369	2.9863	0.055411	2.8884	2.9335	2.9781	0.040628	-0.0216	-0.003475	0.0206	0.017625
1e+13	2.8934	2.919	2.9387	0.020337	2.9169	2.9335	2.9635	0.021603	0.0037	0.01455	0.0248	0.011145

Device Test: 5.80; DLY_TMR_10KOHM

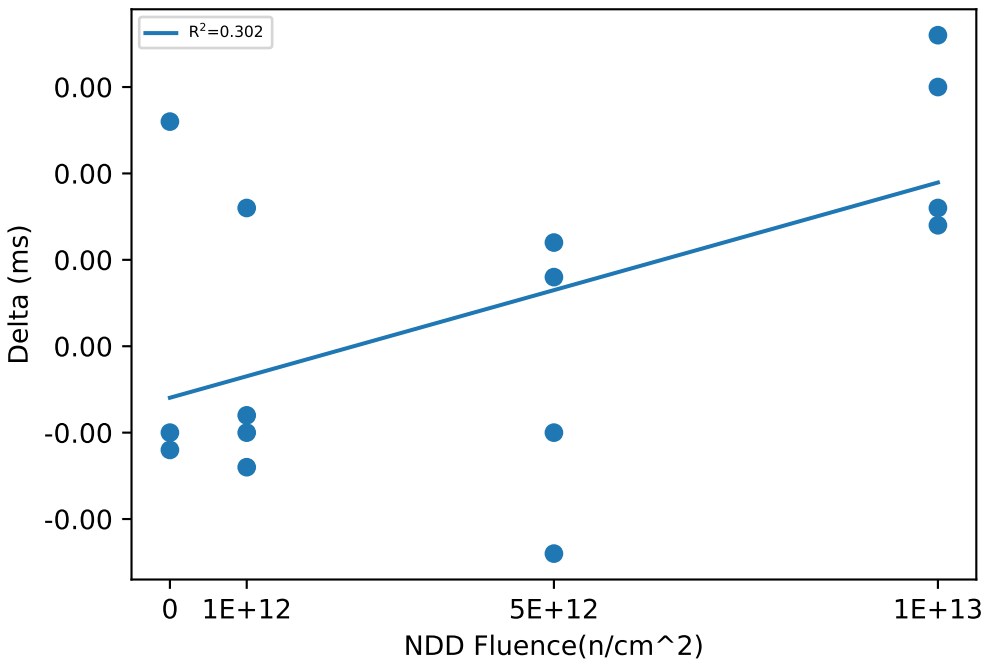
NDD vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2584	0.2577	-0.0007
315	1e+12	NDD Unbiased	0.2572	0.258	0.0008
316	1e+12	NDD Unbiased	0.2666	0.2662	-0.0004
317	1e+12	NDD Unbiased	0.2615	0.261	-0.0005
318	5e+12	NDD Unbiased	0.268	0.2668	-0.0012
319	5e+12	NDD Unbiased	0.2663	0.2669	0.0006
320	5e+12	NDD Unbiased	0.2661	0.2656	-0.0005
321	5e+12	NDD Unbiased	0.2633	0.2637	0.0004
322	1e+13	NDD Unbiased	0.2649	0.2667	0.0018
323	1e+13	NDD Unbiased	0.259	0.2598	0.0008
324	1e+13	NDD Unbiased	0.2578	0.2585	0.0007
325	1e+13	NDD Unbiased	0.2677	0.2692	0.0015
326	0	Correlation	0.2571	0.2565	-0.0006
327	0	Correlation	0.2667	0.2662	-0.0005
328	0	Correlation	0.2659	0.2672	0.0013

NDD vs Post - Pre Exposure Delta

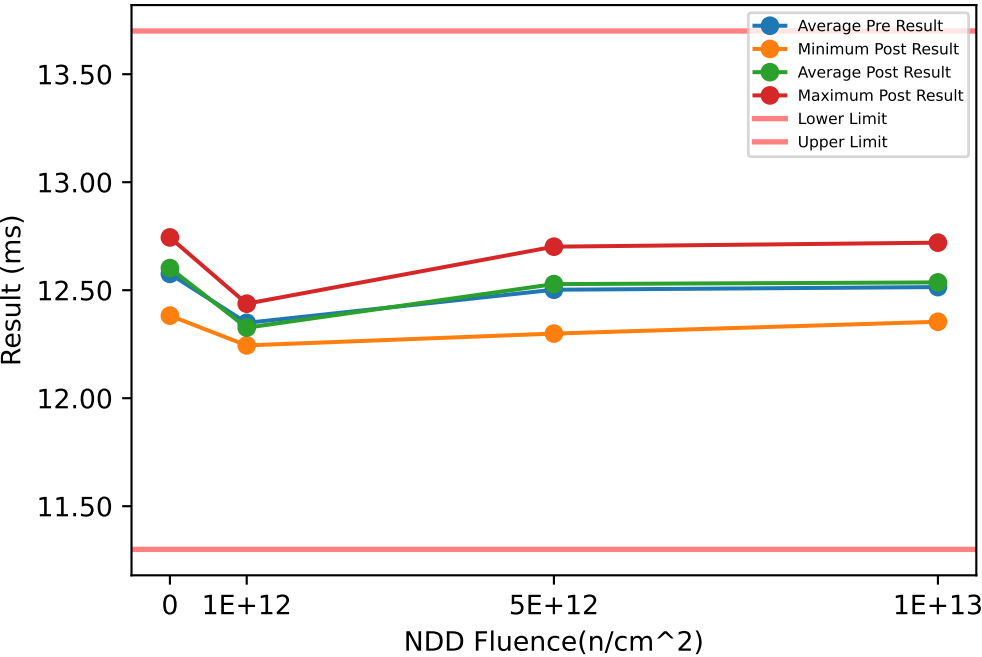


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2571	0.26323	0.2667	0.0053267	0.2565	0.2633	0.2672	0.0059102	-0.0006	6.6667e-05	0.0013	0.0010693
1e+12	0.2572	0.26093	0.2666	0.0041947	0.2577	0.26072	0.2662	0.0039424	-0.0007	-0.0002	0.0008	0.00067823
5e+12	0.2633	0.26592	0.268	0.0019466	0.2637	0.26575	0.2669	0.0014888	-0.0012	-0.000175	0.0006	0.00083417
1e+13	0.2578	0.26235	0.2677	0.0047276	0.2585	0.26355	0.2692	0.0052093	0.0007	0.0012	0.0018	0.00053541

Device Test: 5.81; DLY_TMR_500KOHM

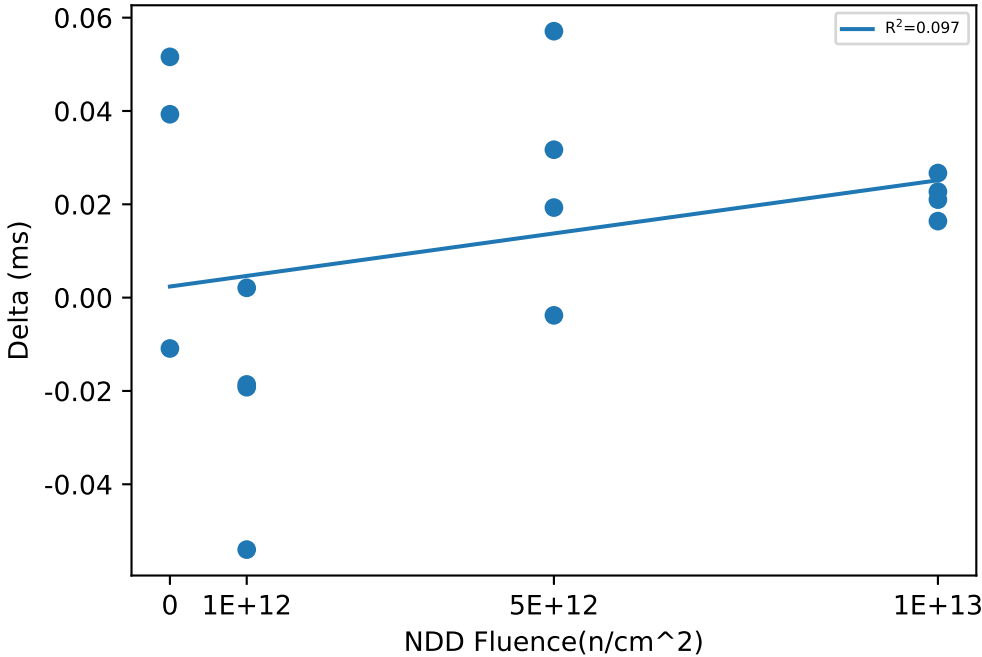
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.363	12.344	-0.0186
315	1e+12	NDD Unbiased	12.277	12.28	0.0021
316	1e+12	NDD Unbiased	12.264	12.244	-0.0192
317	1e+12	NDD Unbiased	12.492	12.438	-0.054
318	5e+12	NDD Unbiased	12.644	12.701	0.0571
319	5e+12	NDD Unbiased	12.576	12.596	0.0193
320	5e+12	NDD Unbiased	12.52	12.517	-0.0038
321	5e+12	NDD Unbiased	12.268	12.299	0.0317
322	1e+13	NDD Unbiased	12.654	12.681	0.0267
323	1e+13	NDD Unbiased	12.333	12.354	0.021
324	1e+13	NDD Unbiased	12.373	12.39	0.0164
325	1e+13	NDD Unbiased	12.697	12.72	0.0227
326	0	Correlation	12.393	12.382	-0.0109
327	0	Correlation	12.641	12.68	0.0393
328	0	Correlation	12.693	12.744	0.0516

NDD vs Post - Pre Exposure Delta

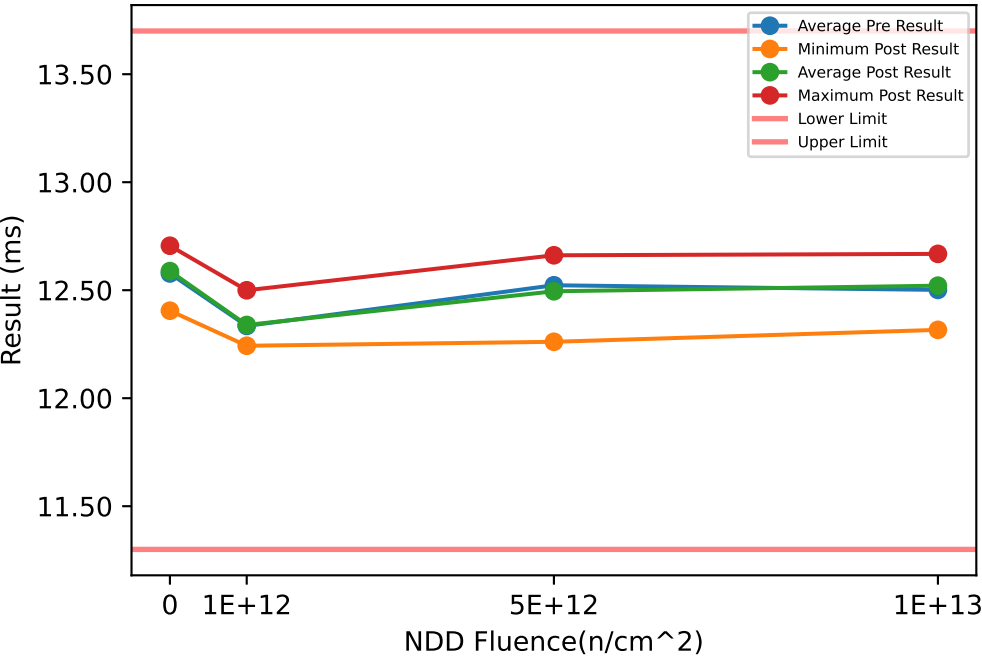


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.393	12.576	12.693	0.16005	12.382	12.602	12.744	0.19315	-0.0109	0.026667	0.0516	0.03311
1e+12	12.264	12.349	12.492	0.10474	12.244	12.326	12.438	0.084814	-0.054	-0.022425	0.0021	0.023263
5e+12	12.268	12.502	12.644	0.16445	12.299	12.528	12.701	0.17044	-0.0038	0.026075	0.0571	0.025381
1e+13	12.333	12.514	12.697	0.18774	12.354	12.536	12.72	0.19088	0.0164	0.0217	0.0267	0.0042654

Device Test: 5.82; DLY_TMR_500KOHM

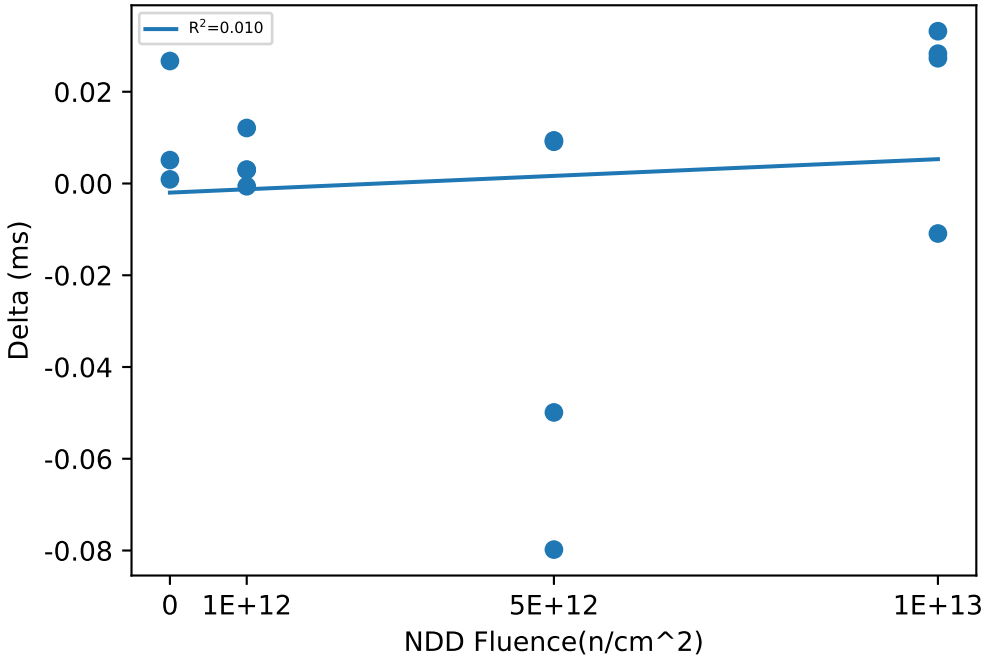
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.353	12.365	0.0121
315	1e+12	NDD Unbiased	12.243	12.243	-0.0006
316	1e+12	NDD Unbiased	12.245	12.248	0.0003
317	1e+12	NDD Unbiased	12.497	12.5	0.0003
318	5e+12	NDD Unbiased	12.652	12.662	0.0094
319	5e+12	NDD Unbiased	12.609	12.559	-0.0499
320	5e+12	NDD Unbiased	12.579	12.499	-0.0798
321	5e+12	NDD Unbiased	12.252	12.261	0.0091
322	1e+13	NDD Unbiased	12.602	12.635	0.0332
323	1e+13	NDD Unbiased	12.327	12.316	-0.0109
324	1e+13	NDD Unbiased	12.437	12.464	0.0273
325	1e+13	NDD Unbiased	12.64	12.668	0.0283
326	0	Correlation	12.378	12.405	0.0267
327	0	Correlation	12.649	12.654	0.0051
328	0	Correlation	12.705	12.706	0.0009

NDD vs Post - Pre Exposure Delta

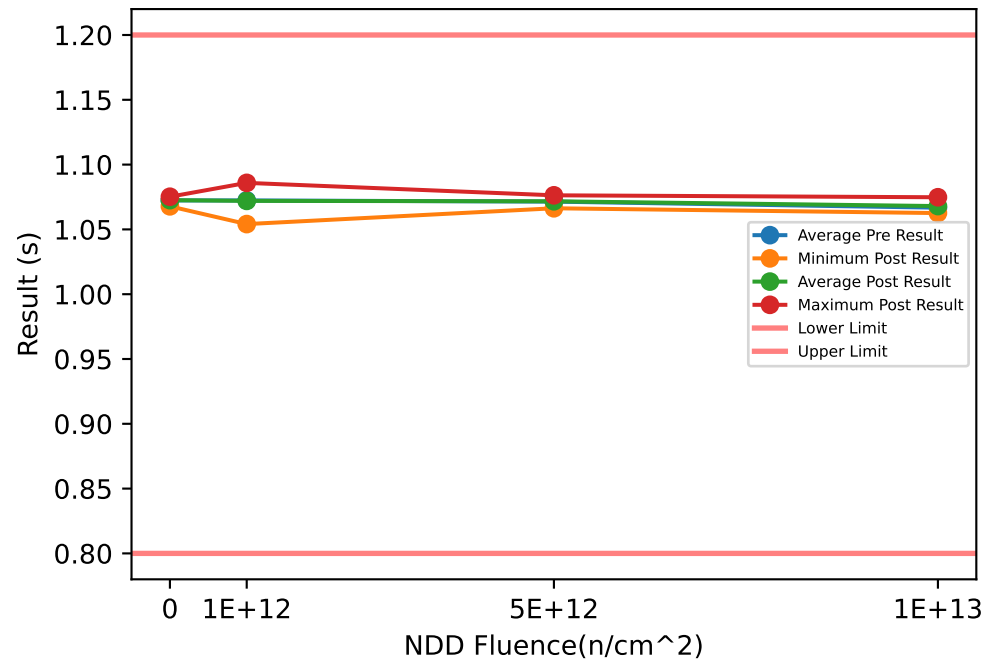


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.378	12.578	12.705	0.17466	12.405	12.588	12.706	0.16082	0.0009	0.0109	0.0267	0.013843
1e+12	12.243	12.335	12.497	0.11958	12.243	12.339	12.5	0.12108	-0.0006	0.004375	0.0121	0.0054224
5e+12	12.252	12.523	12.652	0.18307	12.261	12.495	12.662	0.16984	-0.0798	-0.0278	0.0094	0.044489
1e+13	12.327	12.501	12.64	0.1457	12.316	12.521	12.668	0.163	-0.0109	0.019475	0.0332	0.020413

Device Test: 5.83; WD_TMR_500KOHM

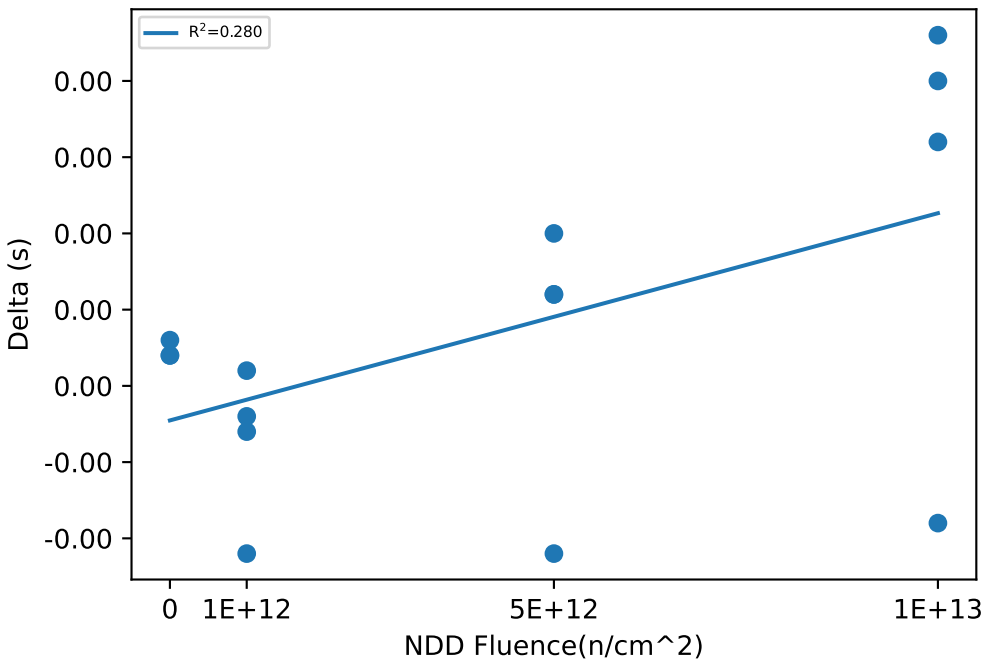
NDD vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.0852	1.085	-0.0002
315	1e+12	NDD Unbiased	1.087	1.0859	-0.0011
316	1e+12	NDD Unbiased	1.0633	1.063	-0.0003
317	1e+12	NDD Unbiased	1.054	1.0541	0.0001
318	5e+12	NDD Unbiased	1.0754	1.076	0.0006
319	5e+12	NDD Unbiased	1.0693	1.0682	-0.0011
320	5e+12	NDD Unbiased	1.0653	1.0663	0.001
321	5e+12	NDD Unbiased	1.0757	1.0763	0.0006
322	1e+13	NDD Unbiased	1.0672	1.0663	-0.0009
323	1e+13	NDD Unbiased	1.066	1.0683	0.0023
324	1e+13	NDD Unbiased	1.061	1.0626	0.0016
325	1e+13	NDD Unbiased	1.0728	1.0748	0.002
326	0	Correlation	1.0745	1.0747	0.0002
327	0	Correlation	1.0675	1.0678	0.0003
328	0	Correlation	1.075	1.0752	0.0002

NDD vs Post - Pre Exposure Delta

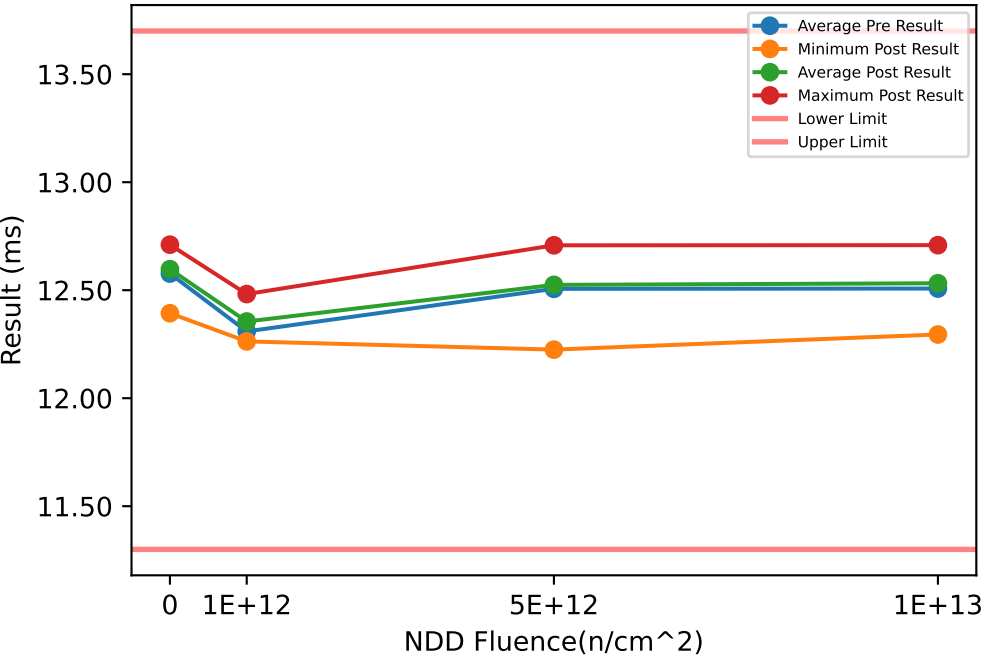


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0675	1.0723	1.075	0.0041932	1.0678	1.0726	1.0752	0.0041356	0.0002	0.00023333	0.0003	5.7735e-05
1e+12	1.054	1.0724	1.087	0.016313	1.0541	1.072	1.0859	0.015954	-0.0011	-0.000375	0.0001	0.00051235
5e+12	1.0653	1.0714	1.0757	0.0050368	1.0663	1.0717	1.0763	0.0051981	-0.0011	0.000275	0.001	0.00093586
1e+13	1.061	1.0667	1.0728	0.0048453	1.0626	1.068	1.0748	0.0051114	-0.0009	0.00125	0.0023	0.0014617

Device Test: 5.84; DLY_TMR_500KOHM

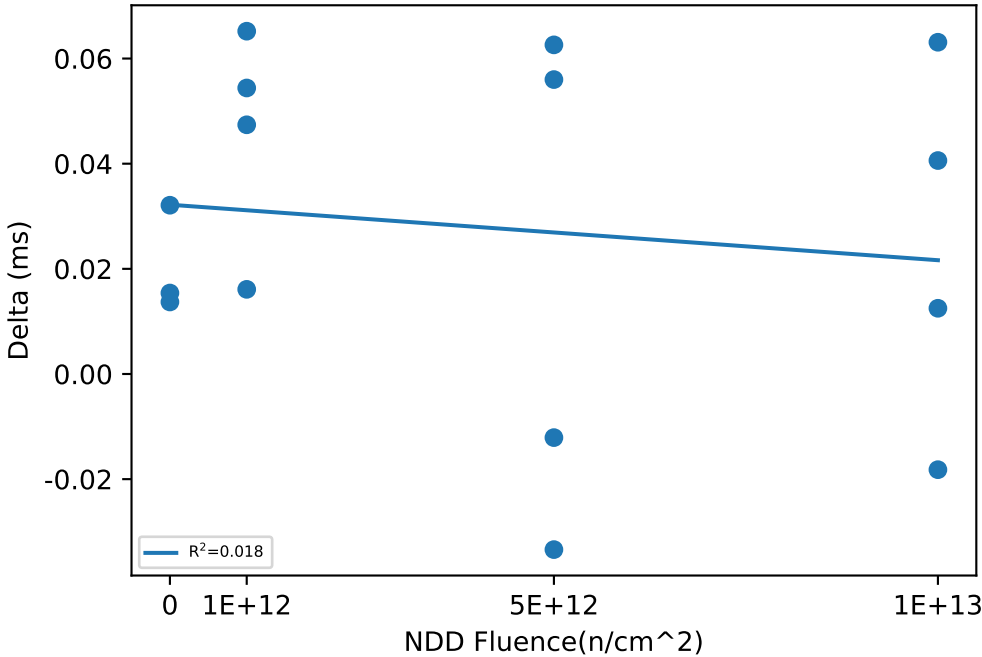
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.319	12.373	0.0544
315	1e+12	NDD Unbiased	12.237	12.302	0.0652
316	1e+12	NDD Unbiased	12.216	12.263	0.0474
317	1e+12	NDD Unbiased	12.466	12.482	0.0161
318	5e+12	NDD Unbiased	12.645	12.708	0.0626
319	5e+12	NDD Unbiased	12.573	12.629	0.056
320	5e+12	NDD Unbiased	12.57	12.537	-0.0334
321	5e+12	NDD Unbiased	12.237	12.225	-0.0121
322	1e+13	NDD Unbiased	12.636	12.699	0.0631
323	1e+13	NDD Unbiased	12.313	12.295	-0.0182
324	1e+13	NDD Unbiased	12.414	12.426	0.0125
325	1e+13	NDD Unbiased	12.668	12.709	0.0406
326	0	Correlation	12.378	12.393	0.0154
327	0	Correlation	12.679	12.711	0.0321
328	0	Correlation	12.674	12.688	0.0137

NDD vs Post - Pre Exposure Delta

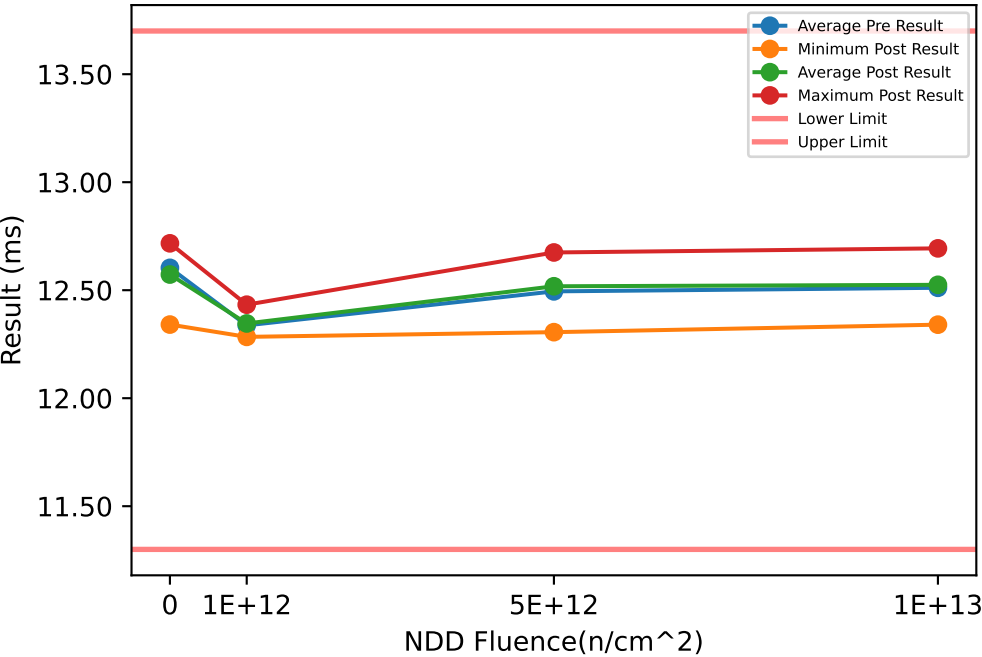


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.378	12.577	12.679	0.17241	12.393	12.597	12.711	0.17709	0.0137	0.0204	0.0321	0.010168
1e+12	12.216	12.309	12.466	0.11354	12.263	12.355	12.482	0.096179	0.0161	0.045775	0.0652	0.021095
5e+12	12.237	12.506	12.645	0.18292	12.225	12.525	12.708	0.2117	-0.0334	0.018275	0.0626	0.048238
1e+13	12.313	12.508	12.668	0.172	12.295	12.532	12.709	0.20525	-0.0182	0.0245	0.0631	0.035197

Device Test: 5.85; DLY_TMR_500KOHM

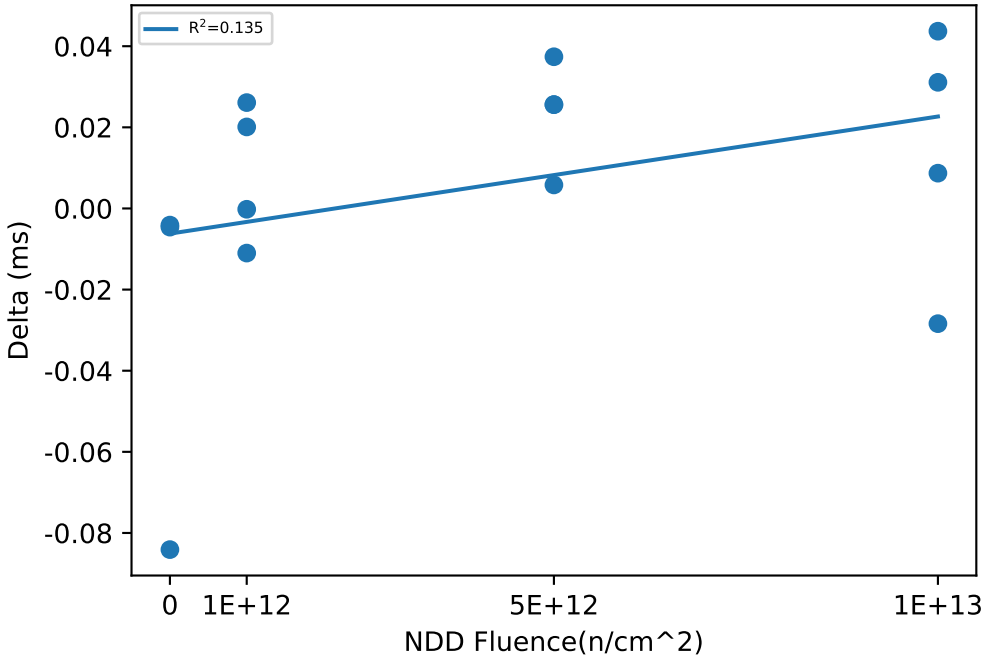
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.39	12.379	-0.011
315	1e+12	NDD Unbiased	12.288	12.288	-0.0002
316	1e+12	NDD Unbiased	12.258	12.284	0.0261
317	1e+12	NDD Unbiased	12.413	12.433	0.0201
318	5e+12	NDD Unbiased	12.669	12.675	0.0058
319	5e+12	NDD Unbiased	12.548	12.574	0.0256
320	5e+12	NDD Unbiased	12.481	12.518	0.0374
321	5e+12	NDD Unbiased	12.28	12.306	0.0256
322	1e+13	NDD Unbiased	12.622	12.666	0.0437
323	1e+13	NDD Unbiased	12.369	12.34	-0.0284
324	1e+13	NDD Unbiased	12.368	12.4	0.0311
325	1e+13	NDD Unbiased	12.685	12.694	0.0087
326	0	Correlation	12.425	12.341	-0.0841
327	0	Correlation	12.664	12.66	-0.0046
328	0	Correlation	12.721	12.717	-0.0041

NDD vs Post - Pre Exposure Delta

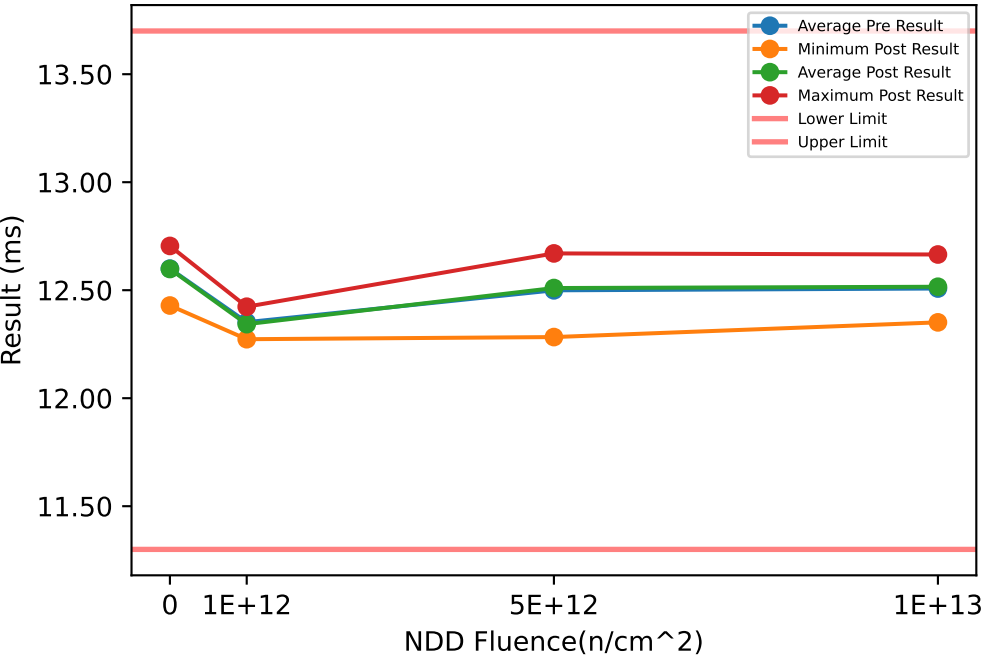


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.425	12.603	12.721	0.15712	12.341	12.572	12.717	0.20261	-0.0841	-0.030933	-0.0041	0.046044
1e+12	12.258	12.337	12.413	0.075874	12.284	12.346	12.433	0.072826	-0.011	0.00875	0.0261	0.017321
5e+12	12.28	12.495	12.669	0.16273	12.306	12.518	12.675	0.15571	0.0058	0.0236	0.0374	0.013106
1e+13	12.368	12.511	12.685	0.1665	12.34	12.525	12.694	0.18085	-0.0284	0.013775	0.0437	0.031624

Device Test: 5.86; DLY_TMR_500KOHM

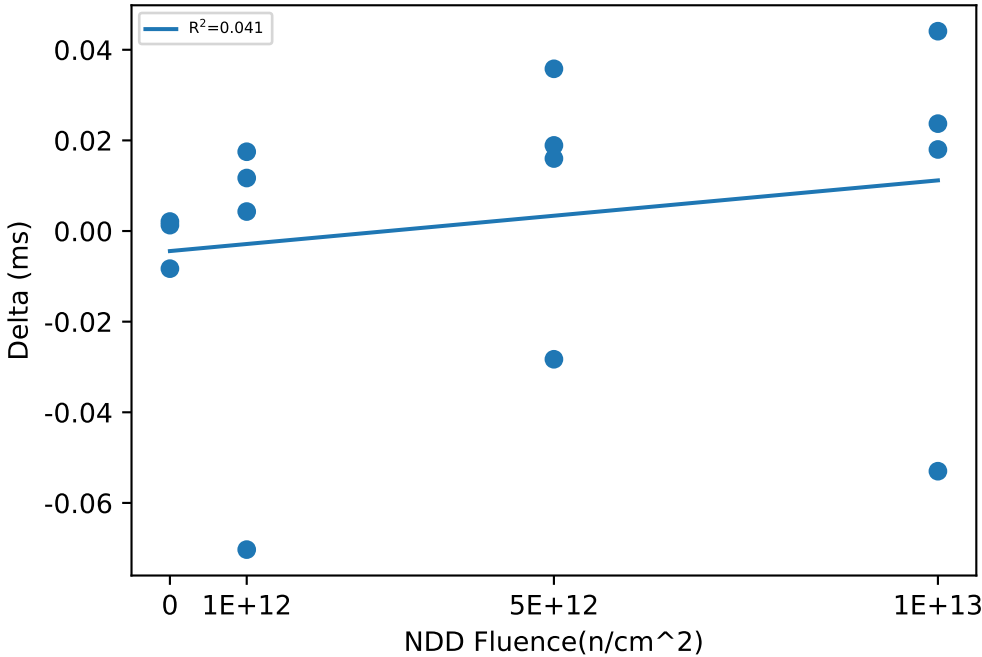
NDD vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	12.375	12.392	0.0175
315	1e+12	NDD Unbiased	12.261	12.273	0.0117
316	1e+12	NDD Unbiased	12.278	12.282	0.0043
317	1e+12	NDD Unbiased	12.494	12.424	-0.0703
318	5e+12	NDD Unbiased	12.634	12.67	0.0358
319	5e+12	NDD Unbiased	12.553	12.572	0.0189
320	5e+12	NDD Unbiased	12.499	12.515	0.016
321	5e+12	NDD Unbiased	12.311	12.283	-0.0283
322	1e+13	NDD Unbiased	12.615	12.659	0.0441
323	1e+13	NDD Unbiased	12.327	12.351	0.0237
324	1e+13	NDD Unbiased	12.442	12.389	-0.053
325	1e+13	NDD Unbiased	12.647	12.665	0.018
326	0	Correlation	12.427	12.429	0.0021
327	0	Correlation	12.659	12.661	0.0013
328	0	Correlation	12.713	12.705	-0.0083

NDD vs Post - Pre Exposure Delta

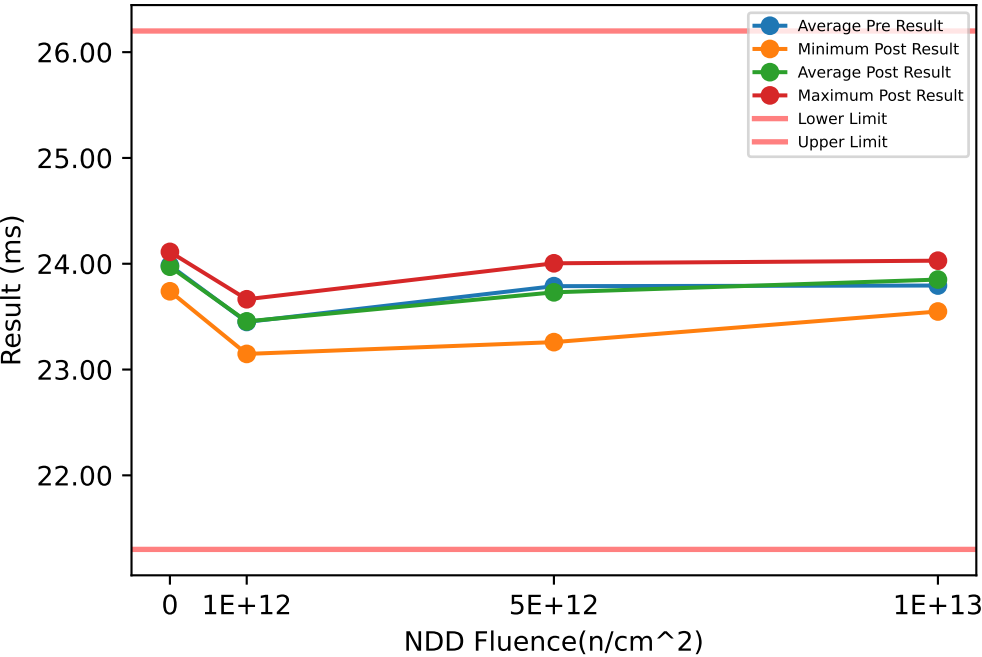


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.427	12.6	12.713	0.15207	12.429	12.598	12.705	0.14809	-0.0083	-0.0016333	0.0021	0.0057873
1e+12	12.261	12.352	12.494	0.10702	12.273	12.343	12.424	0.076436	-0.0703	-0.0092	0.0175	0.04109
5e+12	12.311	12.499	12.634	0.13722	12.283	12.51	12.67	0.16438	-0.0283	0.0106	0.0358	0.027364
1e+13	12.327	12.508	12.647	0.15031	12.351	12.516	12.665	0.16936	-0.053	0.0082	0.0441	0.042311

Device Test: 5.87; DLY_TMR_1MOHM

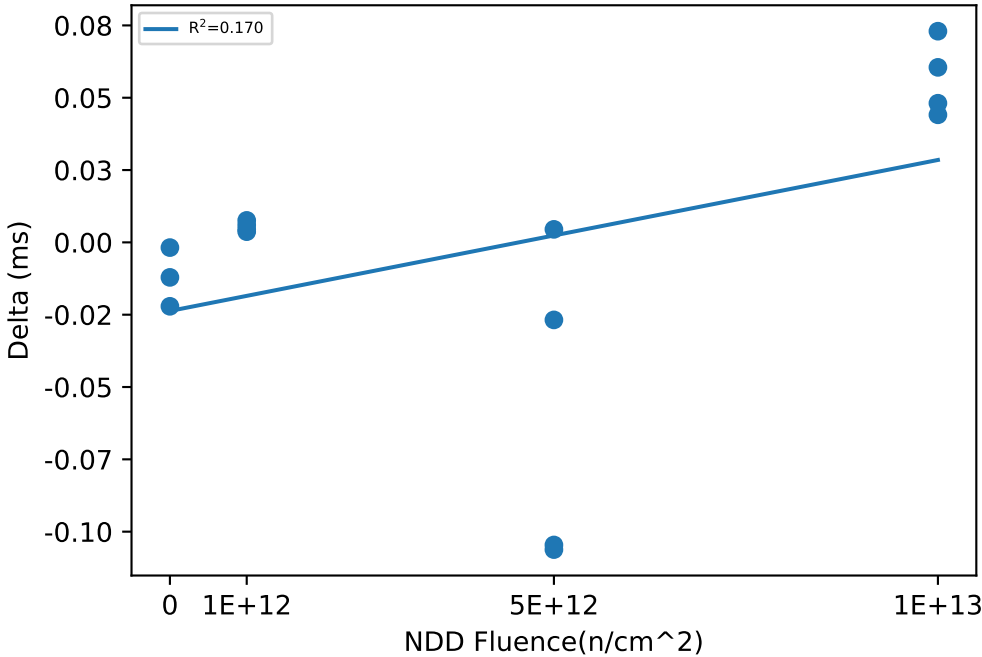
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.627	23.63	0.0037
315	1e+12	NDD Unbiased	23.374	23.379	0.0045
316	1e+12	NDD Unbiased	23.14	23.148	0.0076
317	1e+12	NDD Unbiased	23.658	23.664	0.006
318	5e+12	NDD Unbiased	24	24.004	0.0045
319	5e+12	NDD Unbiased	23.995	23.889	-0.1062
320	5e+12	NDD Unbiased	23.872	23.767	-0.1046
321	5e+12	NDD Unbiased	23.286	23.259	-0.0268
322	1e+13	NDD Unbiased	23.981	24.029	0.0481
323	1e+13	NDD Unbiased	23.505	23.549	0.0441
324	1e+13	NDD Unbiased	23.754	23.827	0.073
325	1e+13	NDD Unbiased	23.937	23.997	0.0605
326	0	Correlation	23.762	23.74	-0.0221
327	0	Correlation	24.066	24.064	-0.0018
328	0	Correlation	24.124	24.112	-0.0121

NDD vs Post - Pre Exposure Delta

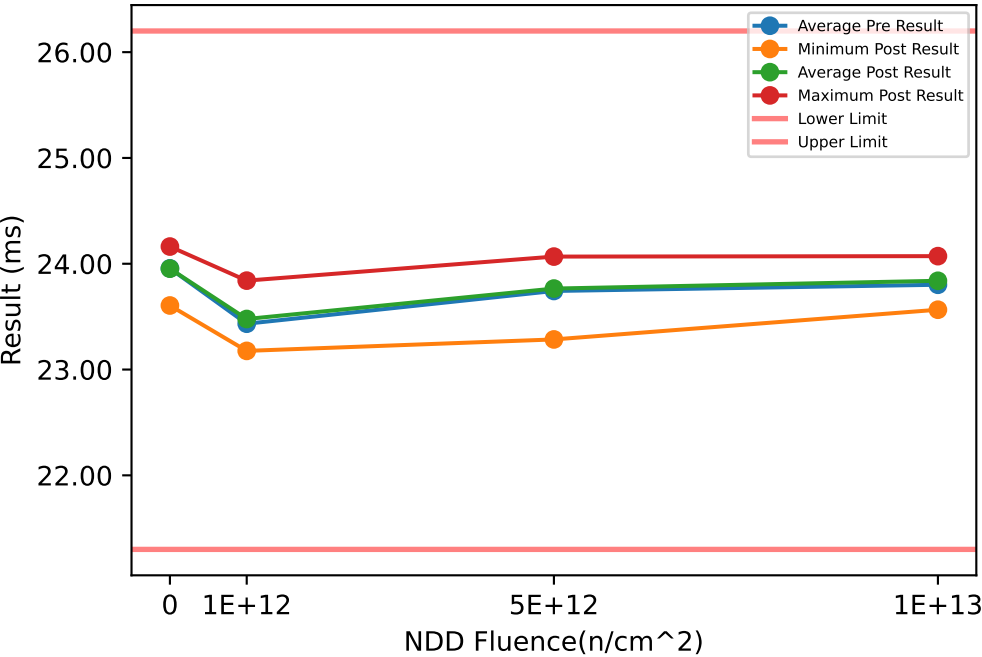


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.762	23.984	24.124	0.19466	23.74	23.972	24.112	0.20264	-0.0221	-0.012	-0.0018	0.01015
1e+12	23.14	23.45	23.658	0.24245	23.148	23.455	23.664	0.24137	0.0037	0.00545	0.0076	0.0017214
5e+12	23.286	23.788	24	0.34003	23.259	23.73	24.004	0.32843	-0.1062	-0.058275	0.0045	0.055899
1e+13	23.505	23.794	23.981	0.21653	23.549	23.85	24.029	0.21987	0.0441	0.056425	0.073	0.013071

Device Test: 5.88; DLY_TMR_1MOHM

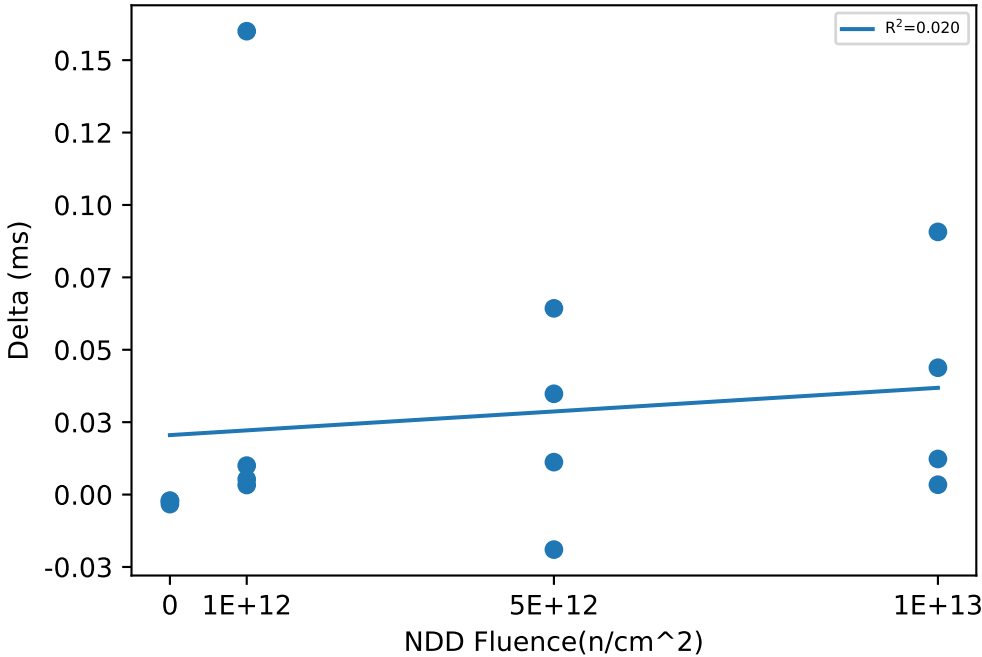
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.474	23.484	0.01
315	1e+12	NDD Unbiased	23.407	23.411	0.0033
316	1e+12	NDD Unbiased	23.171	23.176	0.0053
317	1e+12	NDD Unbiased	23.68	23.84	0.16
318	5e+12	NDD Unbiased	24.056	24.068	0.0112
319	5e+12	NDD Unbiased	23.882	23.917	0.0348
320	5e+12	NDD Unbiased	23.728	23.793	0.0643
321	5e+12	NDD Unbiased	23.304	23.285	-0.019
322	1e+13	NDD Unbiased	23.981	24.072	0.0907
323	1e+13	NDD Unbiased	23.562	23.565	0.0034
324	1e+13	NDD Unbiased	23.657	23.701	0.0438
325	1e+13	NDD Unbiased	24.005	24.017	0.0123
326	0	Correlation	23.608	23.605	-0.0021
327	0	Correlation	24.095	24.093	-0.0022
328	0	Correlation	24.166	24.163	-0.0033

NDD vs Post - Pre Exposure Delta

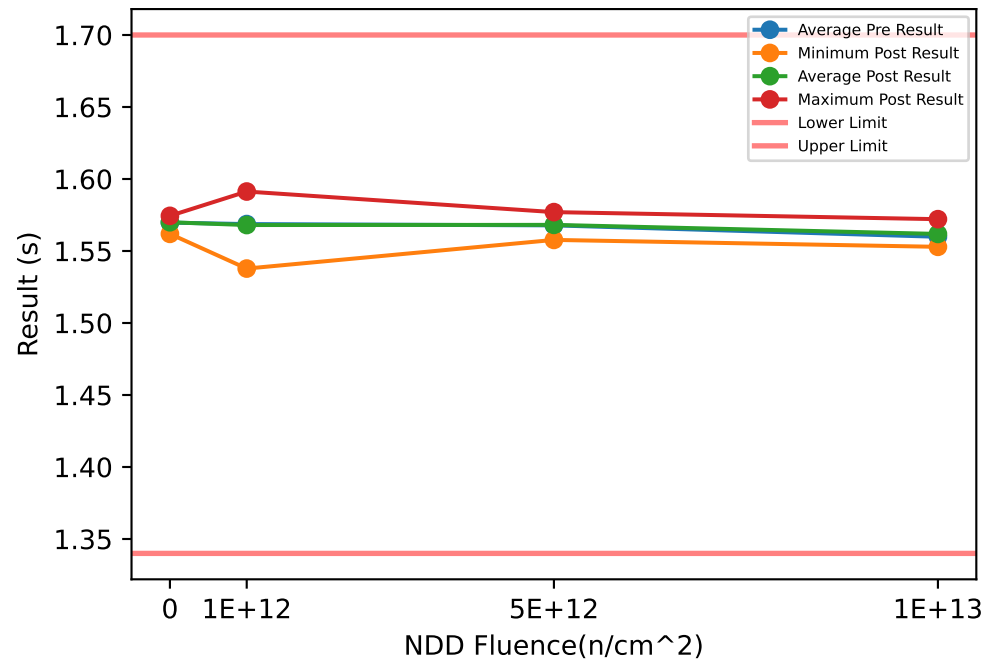


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.608	23.956	24.166	0.30394	23.605	23.954	24.163	0.30351	-0.0033	-0.0025333	-0.0021	0.00066583
1e+12	23.171	23.433	23.68	0.2099	23.176	23.478	23.84	0.27502	0.0033	0.04465	0.16	0.076951
5e+12	23.304	23.743	24.056	0.32196	23.285	23.765	24.068	0.33976	-0.019	0.022825	0.0643	0.035346
1e+13	23.562	23.801	24.005	0.22503	23.565	23.839	24.072	0.24492	0.0034	0.03755	0.0907	0.039445

Device Test: 5.89; WD_TMR_1MOHM

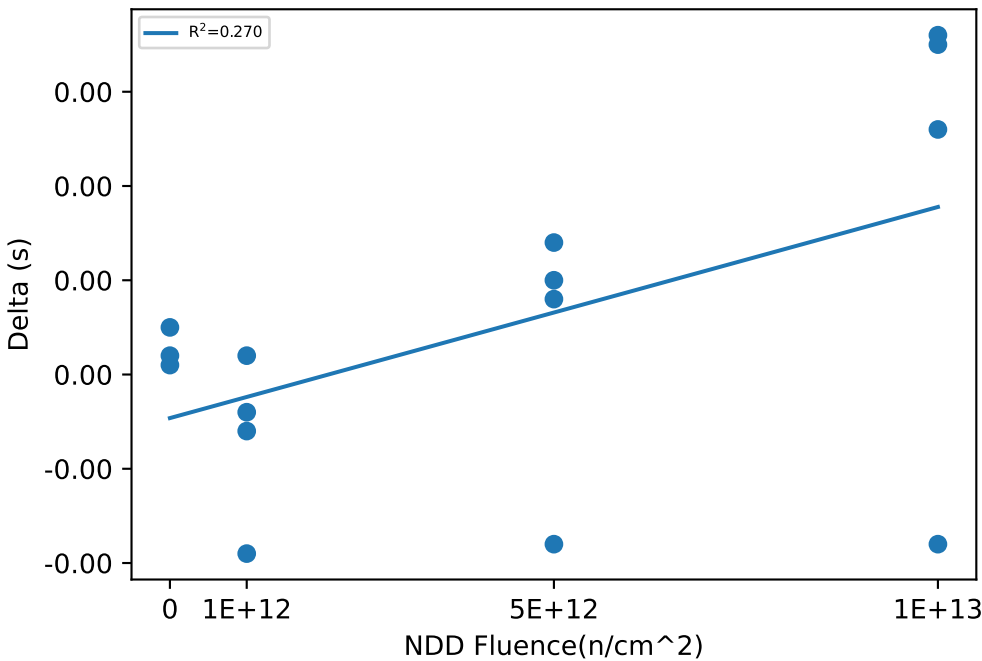
NDD vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.5917	1.5913	-0.0004
315	1e+12	NDD Unbiased	1.5929	1.591	-0.0019
316	1e+12	NDD Unbiased	1.5526	1.552	-0.0006
317	1e+12	NDD Unbiased	1.5376	1.5378	0.0002
318	5e+12	NDD Unbiased	1.5735	1.5743	0.0008
319	5e+12	NDD Unbiased	1.5654	1.5636	-0.0018
320	5e+12	NDD Unbiased	1.5563	1.5577	0.0014
321	5e+12	NDD Unbiased	1.576	1.577	0.001
322	1e+13	NDD Unbiased	1.5614	1.5596	-0.0018
323	1e+13	NDD Unbiased	1.5593	1.5628	0.0035
324	1e+13	NDD Unbiased	1.5503	1.5529	0.0026
325	1e+13	NDD Unbiased	1.5685	1.5721	0.0036
326	0	Correlation	1.5734	1.5736	0.0002
327	0	Correlation	1.5614	1.5619	0.0005
328	0	Correlation	1.5743	1.5744	0.0001

NDD vs Post - Pre Exposure Delta

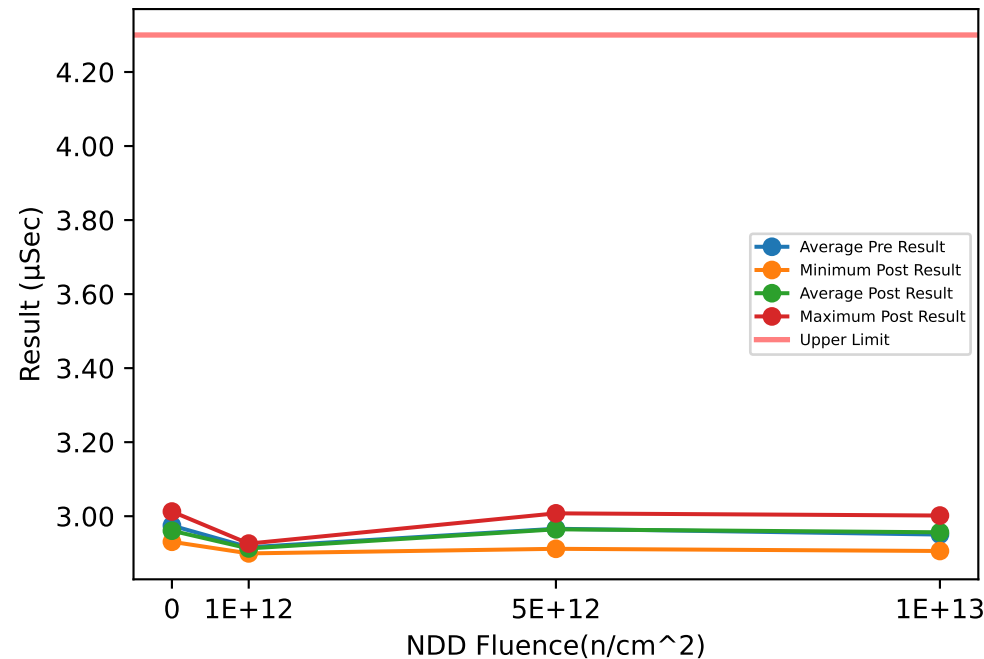


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5614	1.5697	1.5743	0.0072021	1.5619	1.57	1.5744	0.0069974	0.0001	0.00026667	0.0005	0.00020817
1e+12	1.5376	1.5687	1.5929	0.027935	1.5378	1.568	1.5913	0.027325	-0.0019	-0.000675	0.0002	0.00088459
5e+12	1.5563	1.5678	1.576	0.0089021	1.5577	1.5682	1.577	0.0090563	-0.0018	0.00035	0.0014	0.0014549
1e+13	1.5503	1.5599	1.5685	0.0074995	1.5529	1.5618	1.5721	0.0079819	-0.0018	0.001975	0.0036	0.0025565

Device Test: 5.9; PROPD_RESET

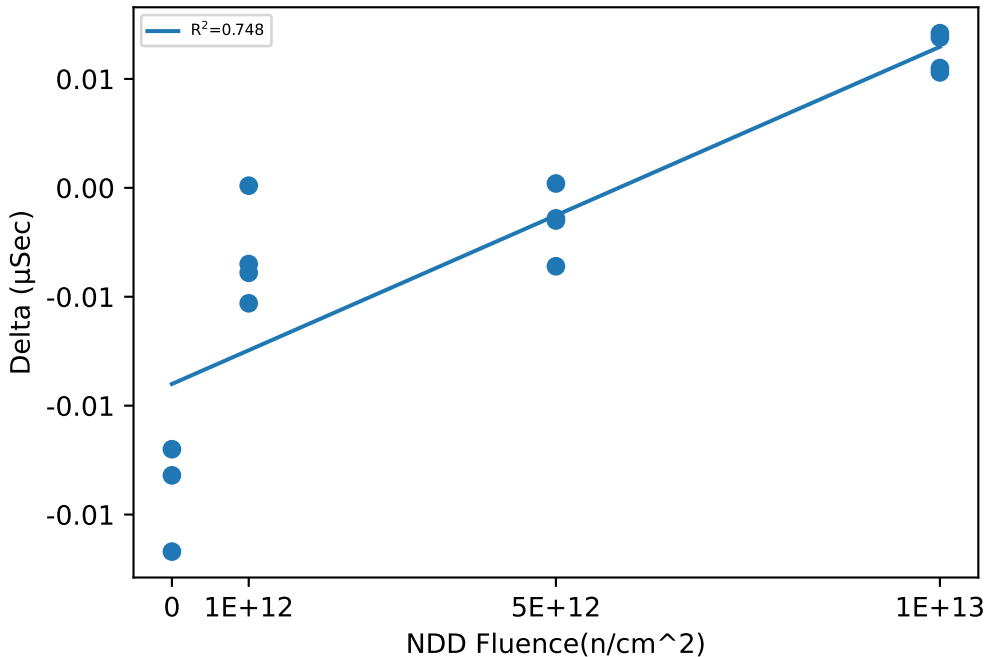
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.9111	2.9058	-0.0053
315	1e+12	NDD Unbiased	2.9259	2.926	0.0001
316	1e+12	NDD Unbiased	2.9238	2.9203	-0.0035
317	1e+12	NDD Unbiased	2.9034	2.8995	-0.0039
318	5e+12	NDD Unbiased	3.0113	3.0077	-0.0036
319	5e+12	NDD Unbiased	2.9133	2.9119	-0.0014
320	5e+12	NDD Unbiased	2.9579	2.9564	-0.0015
321	5e+12	NDD Unbiased	2.982	2.9822	0.0002
322	1e+13	NDD Unbiased	2.9545	2.9616	0.0071
323	1e+13	NDD Unbiased	2.9005	2.906	0.0055
324	1e+13	NDD Unbiased	2.9965	3.0018	0.0053
325	1e+13	NDD Unbiased	2.9499	2.9568	0.0069
326	0	Correlation	3.0246	3.0126	-0.012
327	0	Correlation	2.9476	2.9309	-0.0167
328	0	Correlation	2.9521	2.9389	-0.0132

NDD vs Post - Pre Exposure Delta

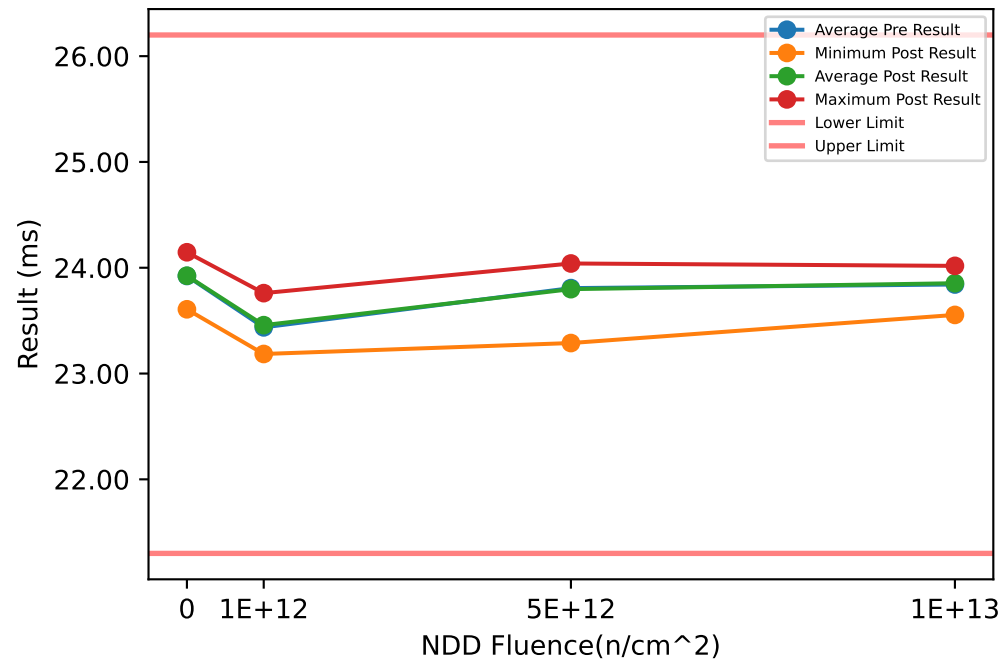


Test Statistics (µSec)

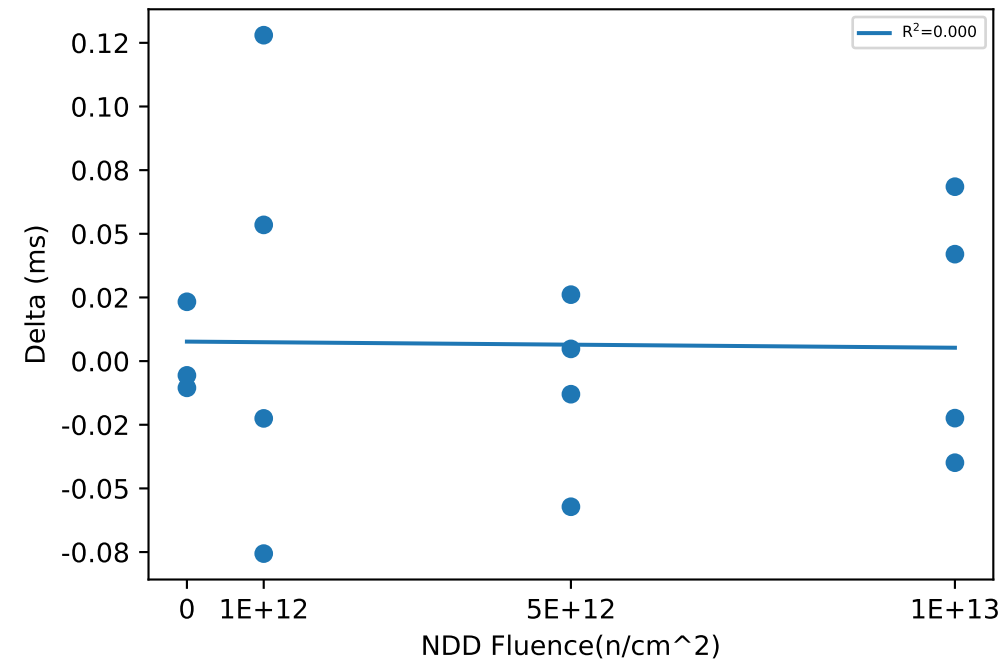
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9476	2.9748	3.0246	0.043216	2.9309	2.9608	3.0126	0.045038	-0.0167	-0.013967	-0.012	0.002442
1e+12	2.9034	2.916	2.9259	0.010671	2.8995	2.9129	2.926	0.012333	-0.0053	-0.00315	0.0001	0.0023
5e+12	2.9133	2.9661	3.0113	0.041436	2.9119	2.9646	3.0077	0.040873	-0.0036	-0.001575	0.0002	0.0015586
1e+13	2.9005	2.9504	2.9965	0.039295	2.906	2.9566	3.0018	0.039279	0.0053	0.0062	0.0071	0.00093095

Device Test: 5.90; DLY_TMR_1MOHM

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

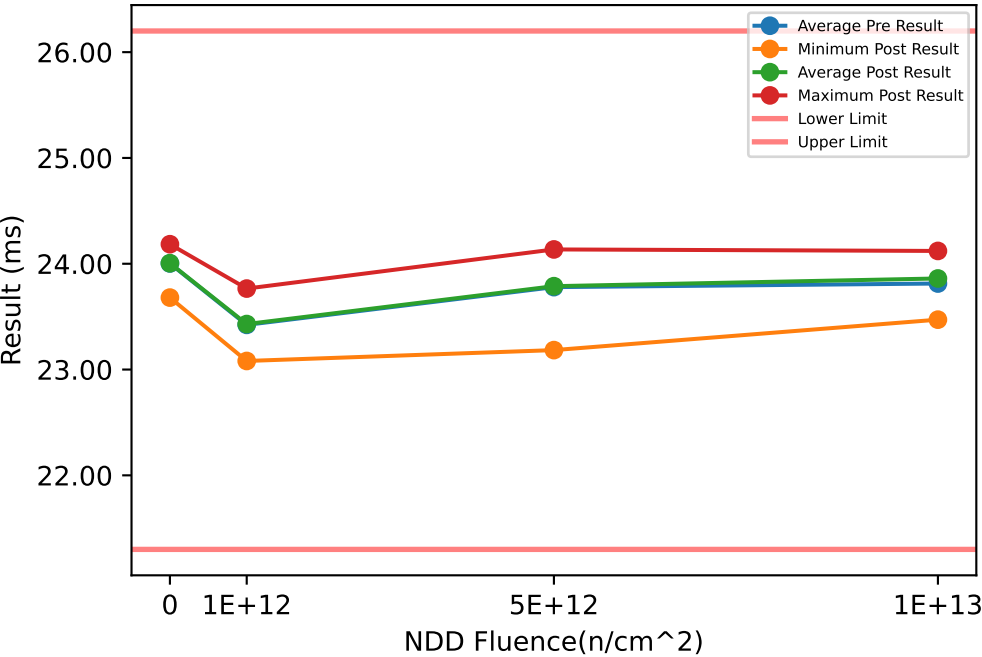
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.506	23.559	0.0535
315	1e+12	NDD Unbiased	23.348	23.325	-0.0225
316	1e+12	NDD Unbiased	23.057	23.185	0.128
317	1e+12	NDD Unbiased	23.836	23.76	-0.0756
318	5e+12	NDD Unbiased	24.098	24.04	-0.0572
319	5e+12	NDD Unbiased	23.994	23.999	0.0048
320	5e+12	NDD Unbiased	23.837	23.863	0.0261
321	5e+12	NDD Unbiased	23.301	23.288	-0.013
322	1e+13	NDD Unbiased	24.058	24.018	-0.0399
323	1e+13	NDD Unbiased	23.576	23.554	-0.0224
324	1e+13	NDD Unbiased	23.787	23.829	0.042
325	1e+13	NDD Unbiased	23.945	24.014	0.0685
326	0	Correlation	23.584	23.607	0.0233
327	0	Correlation	24.031	24.02	-0.0105
328	0	Correlation	24.152	24.146	-0.0056

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.584	23.922	24.152	0.29913	23.607	23.925	24.146	0.28196	-0.0105	0.0024	0.0233	0.018265
1e+12	23.057	23.436	23.836	0.32461	23.185	23.457	23.76	0.25414	-0.0756	0.02085	0.128	0.088936
5e+12	23.301	23.808	24.098	0.35408	23.288	23.798	24.04	0.34794	-0.0572	-0.009825	0.0261	0.035398
1e+13	23.576	23.842	24.058	0.20875	23.554	23.854	24.018	0.2183	-0.0399	0.01205	0.0685	0.05154

Device Test: 5.91; DLY_TMR_1MOHM

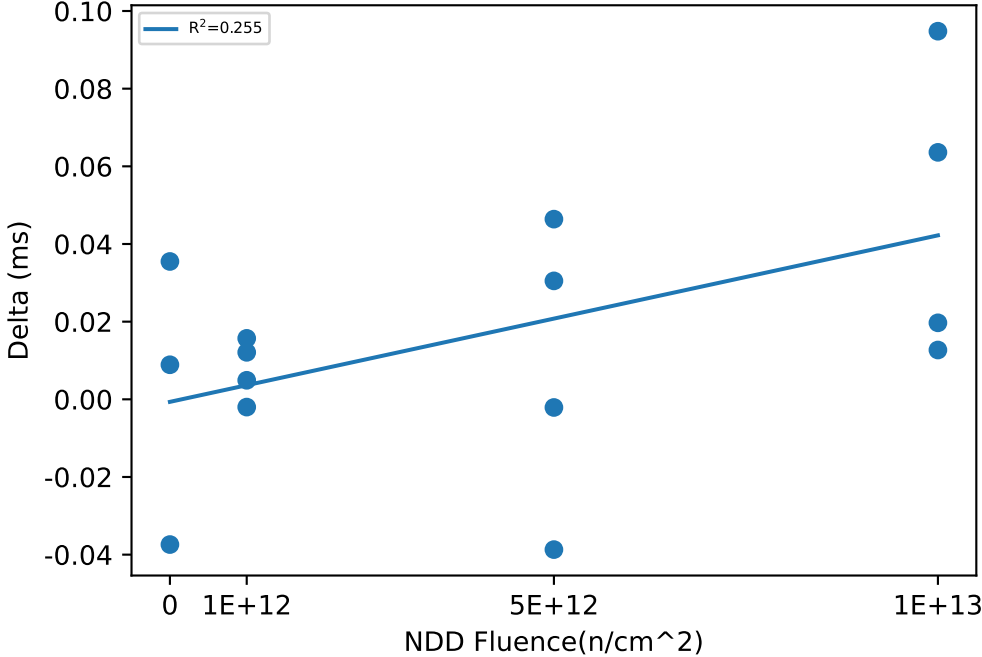
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.55	23.566	0.0157
315	1e+12	NDD Unbiased	23.31	23.308	-0.002
316	1e+12	NDD Unbiased	23.069	23.081	0.0121
317	1e+12	NDD Unbiased	23.761	23.765	0.0049
318	5e+12	NDD Unbiased	24.137	24.135	-0.0021
319	5e+12	NDD Unbiased	23.931	23.977	0.0464
320	5e+12	NDD Unbiased	23.825	23.856	0.0305
321	5e+12	NDD Unbiased	23.222	23.184	-0.0387
322	1e+13	NDD Unbiased	24.026	24.121	0.0948
323	1e+13	NDD Unbiased	23.452	23.471	0.0197
324	1e+13	NDD Unbiased	23.709	23.772	0.0636
325	1e+13	NDD Unbiased	24.065	24.078	0.0127
326	0	Correlation	23.645	23.68	0.0355
327	0	Correlation	24.142	24.151	0.0089
328	0	Correlation	24.222	24.185	-0.0374

NDD vs Post - Pre Exposure Delta

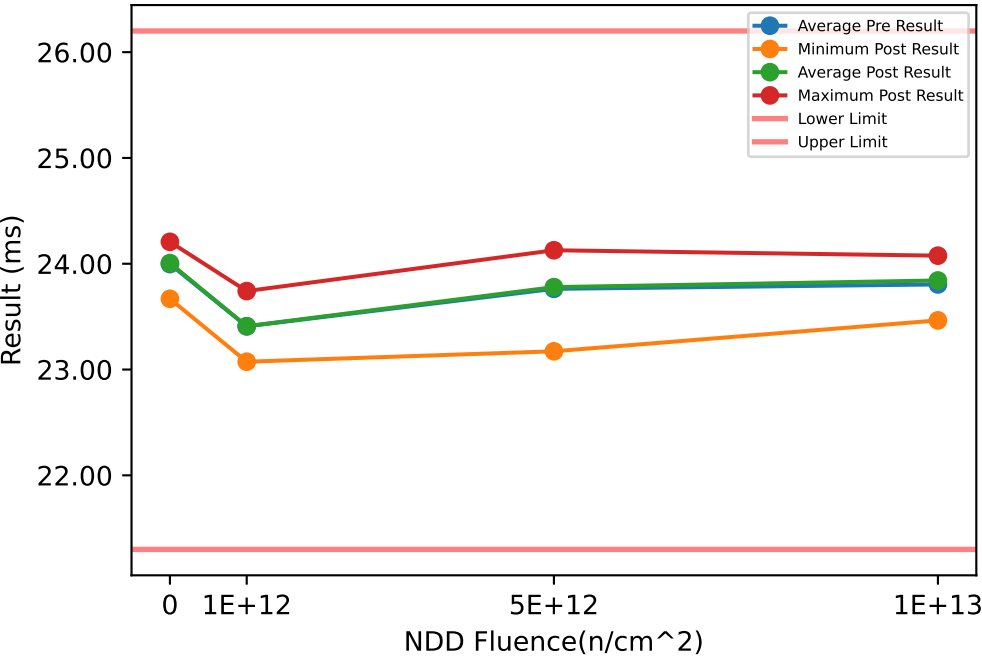


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.645	24.003	24.222	0.31281	23.68	24.005	24.185	0.28202	-0.0374	0.0023333	0.0355	0.036891
1e+12	23.069	23.422	23.761	0.299	23.081	23.43	23.765	0.29867	-0.002	0.007675	0.0157	0.0078589
5e+12	23.222	23.779	24.137	0.39306	23.184	23.788	24.135	0.41882	-0.0387	0.009025	0.0464	0.037681
1e+13	23.452	23.813	24.065	0.28898	23.471	23.861	24.121	0.3024	0.0127	0.0477	0.0948	0.038645

Device Test: 5.92; DLY_TMR_1MOHM

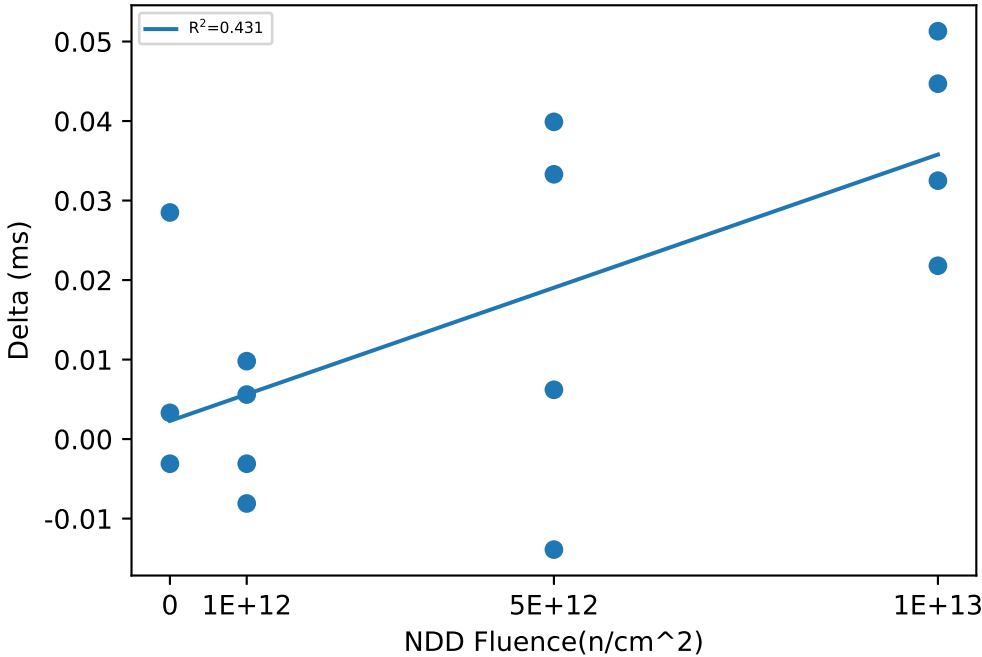
NDD vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.542	23.539	-0.0031
315	1e+12	NDD Unbiased	23.278	23.283	0.0056
316	1e+12	NDD Unbiased	23.064	23.074	0.0098
317	1e+12	NDD Unbiased	23.75	23.742	-0.0081
318	5e+12	NDD Unbiased	24.121	24.128	0.0062
319	5e+12	NDD Unbiased	23.928	23.968	0.0399
320	5e+12	NDD Unbiased	23.815	23.848	0.0333
321	5e+12	NDD Unbiased	23.186	23.173	-0.0139
322	1e+13	NDD Unbiased	24.032	24.076	0.0447
323	1e+13	NDD Unbiased	23.443	23.465	0.0218
324	1e+13	NDD Unbiased	23.712	23.763	0.0513
325	1e+13	NDD Unbiased	24.031	24.064	0.0325
326	0	Correlation	23.64	23.669	0.0285
327	0	Correlation	24.14	24.144	0.0033
328	0	Correlation	24.21	24.207	-0.0031

NDD vs Post - Pre Exposure Delta

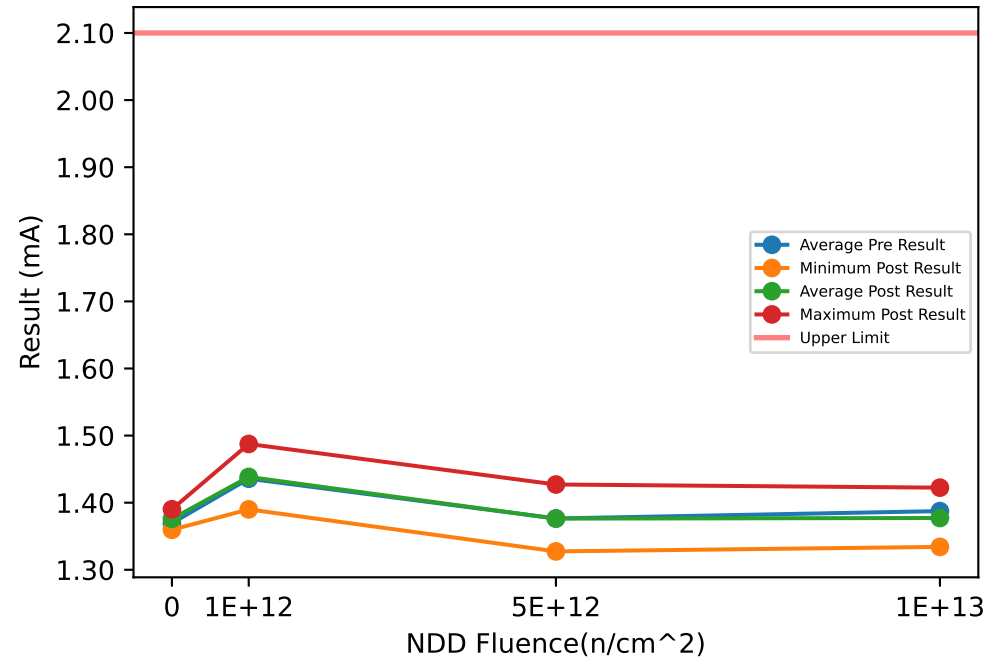


Test Statistics (ms)

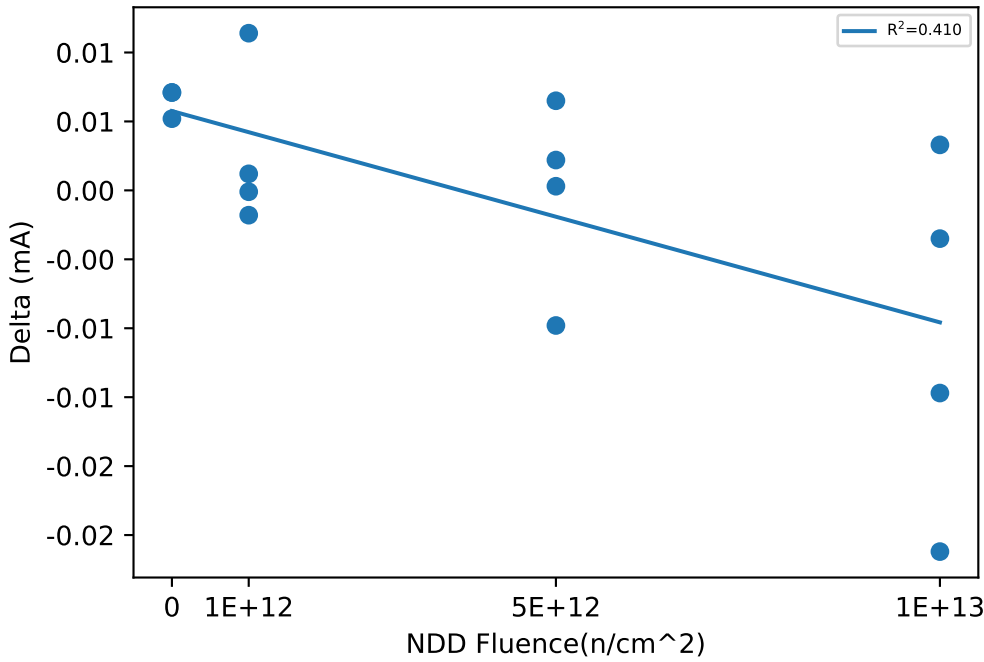
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.64	23.997	24.21	0.31092	23.669	24.006	24.207	0.29427	-0.0031	0.0095667	0.0285	0.016706
1e+12	23.064	23.409	23.75	0.30002	23.074	23.41	23.742	0.29193	-0.0081	0.00105	0.0098	0.0081283
5e+12	23.186	23.763	24.121	0.40448	23.173	23.779	24.128	0.42025	-0.0139	0.016375	0.0399	0.0249
1e+13	23.443	23.804	24.032	0.28429	23.465	23.842	24.076	0.29027	0.0218	0.037575	0.0513	0.013086

Device Test: 6.1; ISD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.1 (mA))

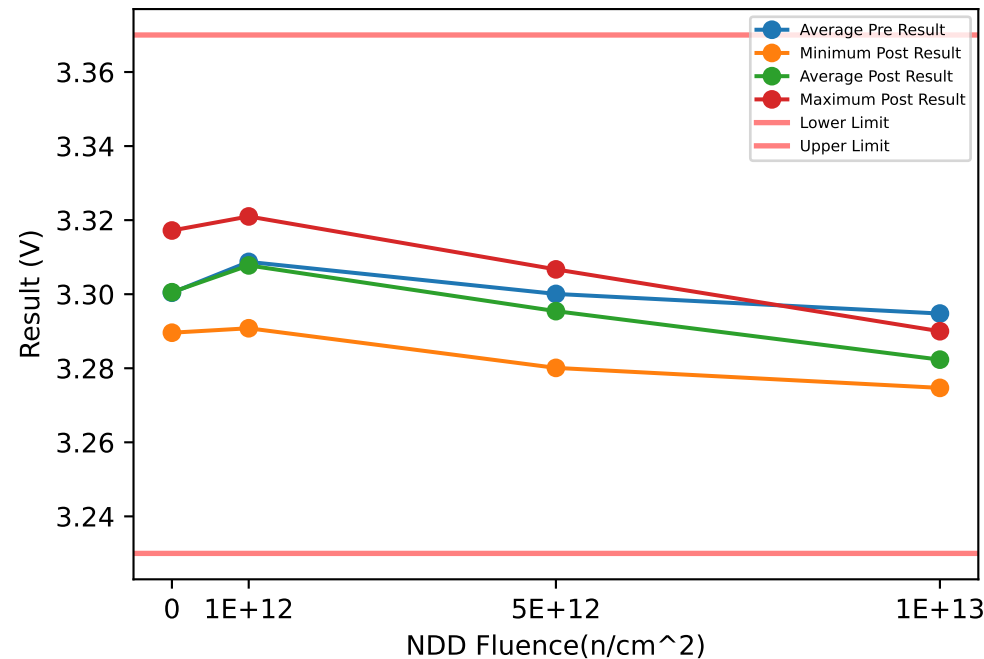
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.4876	1.4875	-0.0001
315	1e+12	NDD Unbiased	1.3888	1.39	0.0012
316	1e+12	NDD Unbiased	1.4645	1.4759	0.0114
317	1e+12	NDD Unbiased	1.402	1.4002	-0.0018
318	5e+12	NDD Unbiased	1.3847	1.3869	0.0022
319	5e+12	NDD Unbiased	1.3634	1.3637	0.0003
320	5e+12	NDD Unbiased	1.4206	1.4271	0.0065
321	5e+12	NDD Unbiased	1.3372	1.3274	-0.0098
322	1e+13	NDD Unbiased	1.4053	1.4086	0.0033
323	1e+13	NDD Unbiased	1.3698	1.3436	-0.0262
324	1e+13	NDD Unbiased	1.3488	1.3341	-0.0147
325	1e+13	NDD Unbiased	1.4259	1.4224	-0.0035
326	0	Correlation	1.3726	1.3778	0.0052
327	0	Correlation	1.3831	1.3902	0.0071
328	0	Correlation	1.3525	1.3596	0.0071

Test Statistics (mA)

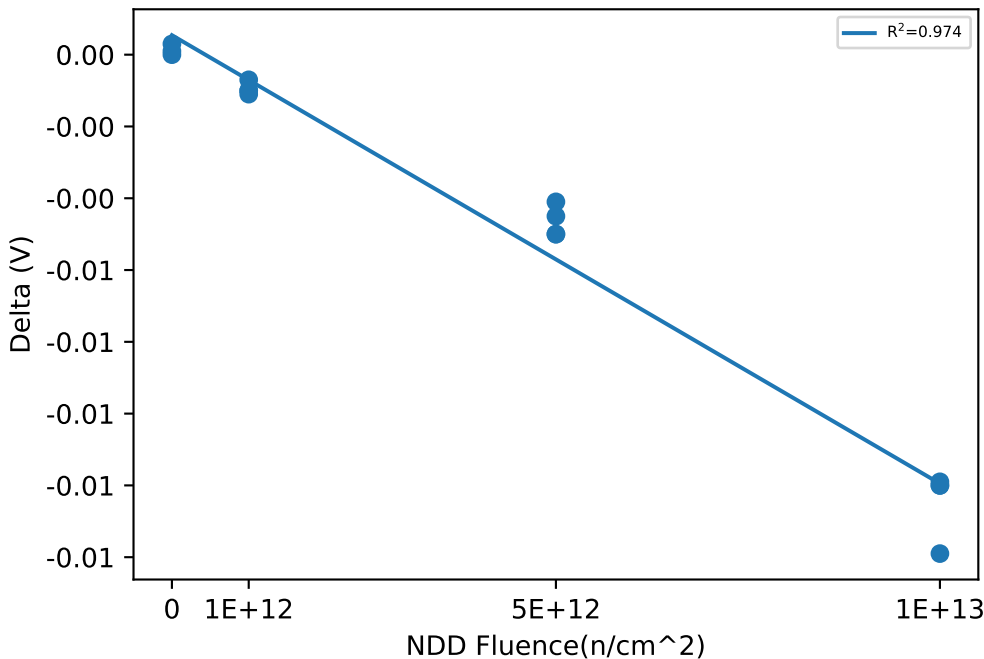
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3525	1.3694	1.3831	0.015549	1.3596	1.3759	1.3902	0.015391	0.0052	0.0064667	0.0071	0.001097
1e+12	1.3888	1.4357	1.4876	0.047813	1.39	1.4384	1.4875	0.050395	-0.0018	0.002675	0.0114	0.005945
5e+12	1.3372	1.3765	1.4206	0.035252	1.3274	1.3763	1.4271	0.041805	-0.0098	-0.0002	0.0065	0.0069056
1e+13	1.3488	1.3874	1.4259	0.034652	1.3341	1.3772	1.4224	0.044779	-0.0262	-0.010275	0.0033	0.012953

Device Test: 6.10; VLDO_REG

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

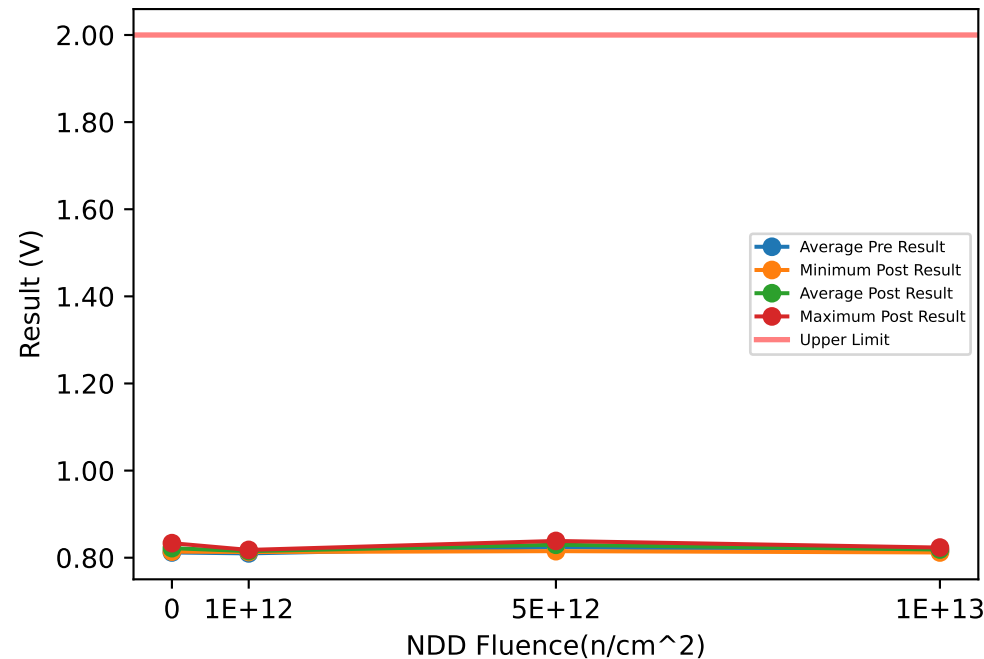
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3.2918	3.2908	-0.001
315	1e+12	NDD Unbiased	3.3135	3.3125	-0.001
316	1e+12	NDD Unbiased	3.3079	3.3068	-0.0011
317	1e+12	NDD Unbiased	3.3217	3.321	-0.0007
318	5e+12	NDD Unbiased	3.3052	3.3011	-0.0041
319	5e+12	NDD Unbiased	3.2983	3.2938	-0.0045
320	5e+12	NDD Unbiased	3.2851	3.2801	-0.005
321	5e+12	NDD Unbiased	3.3117	3.3067	-0.005
322	1e+13	NDD Unbiased	3.2937	3.2817	-0.012
323	1e+13	NDD Unbiased	3.302	3.29	-0.012
324	1e+13	NDD Unbiased	3.2886	3.2747	-0.0139
325	1e+13	NDD Unbiased	3.2948	3.2829	-0.0119
326	0	Correlation	3.2945	3.2948	0.0003
327	0	Correlation	3.2895	3.2896	0.0001
328	0	Correlation	3.3172	3.3172	0

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	3.2895	3.3004	3.3172	0.014762	3.2896	3.3005	3.3172	0.014666	0	0.00013333	0.0003	0.00015275
1e+12	3.2918	3.3087	3.3217	0.012627	3.2908	3.3078	3.321	0.012732	-0.0011	-0.00095	-0.0007	0.00017321
5e+12	3.2851	3.3001	3.3117	0.011384	3.2801	3.2954	3.3067	0.011501	-0.005	-0.00465	-0.0041	0.00043589
1e+13	3.2886	3.2948	3.302	0.0055223	3.2747	3.2823	3.29	0.0062654	-0.0139	-0.01245	-0.0119	0.00096782

Device Test: 6.100; VOL_RESET_10MA_OD

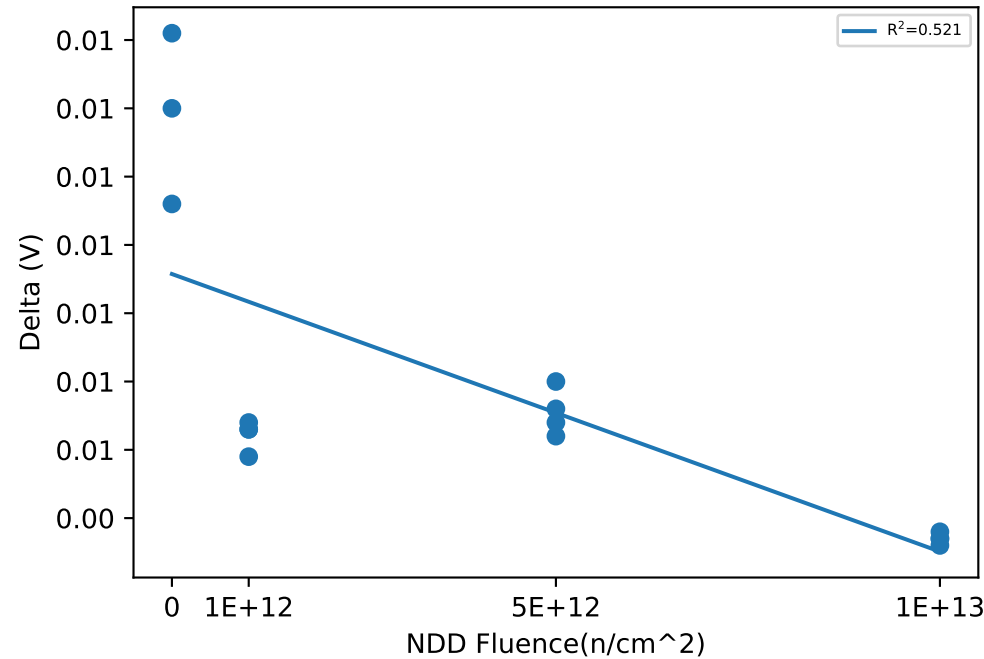
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.813	0.8179	0.0049
315	1e+12	NDD Unbiased	0.8077	0.813	0.0053
316	1e+12	NDD Unbiased	0.8086	0.814	0.0054
317	1e+12	NDD Unbiased	0.8103	0.8156	0.0053
318	5e+12	NDD Unbiased	0.83	0.836	0.006
319	5e+12	NDD Unbiased	0.8094	0.815	0.0056
320	5e+12	NDD Unbiased	0.8331	0.8385	0.0054
321	5e+12	NDD Unbiased	0.8242	0.8294	0.0052
322	1e+13	NDD Unbiased	0.8176	0.8214	0.0038
323	1e+13	NDD Unbiased	0.8084	0.812	0.0036
324	1e+13	NDD Unbiased	0.8196	0.8233	0.0037
325	1e+13	NDD Unbiased	0.8147	0.8184	0.0037
326	0	Correlation	0.8248	0.8334	0.0086
327	0	Correlation	0.8085	0.8185	0.01
328	0	Correlation	0.8028	0.8139	0.0111

NDD vs Post - Pre Exposure Delta

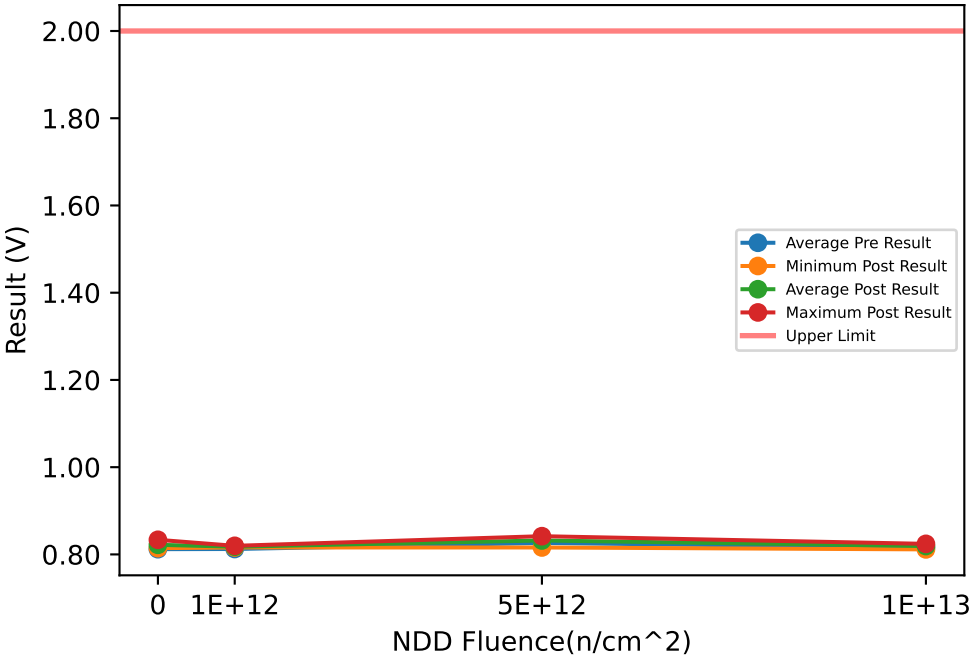


Test Statistics (V)

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	0.8028	0.81203	0.8248	0.011418	0.8139	0.82193	0.8334	0.010193	0.0086	0.0099	0.0111	0.001253
1e+12	0.8077	0.8099	0.813	0.002331	0.813	0.81512	0.8179	0.0021376	0.0049	0.005225	0.0054	0.00022174
5e+12	0.8094	0.82417	0.8331	0.010518	0.815	0.82973	0.8385	0.010541	0.0052	0.00555	0.006	0.00034157
1e+13	0.8084	0.81507	0.8196	0.0048836	0.812	0.81878	0.8233	0.0049466	0.0036	0.0037	0.0038	8.165e-05

Device Test: 6.101; VOL_RESET_10MA_OD

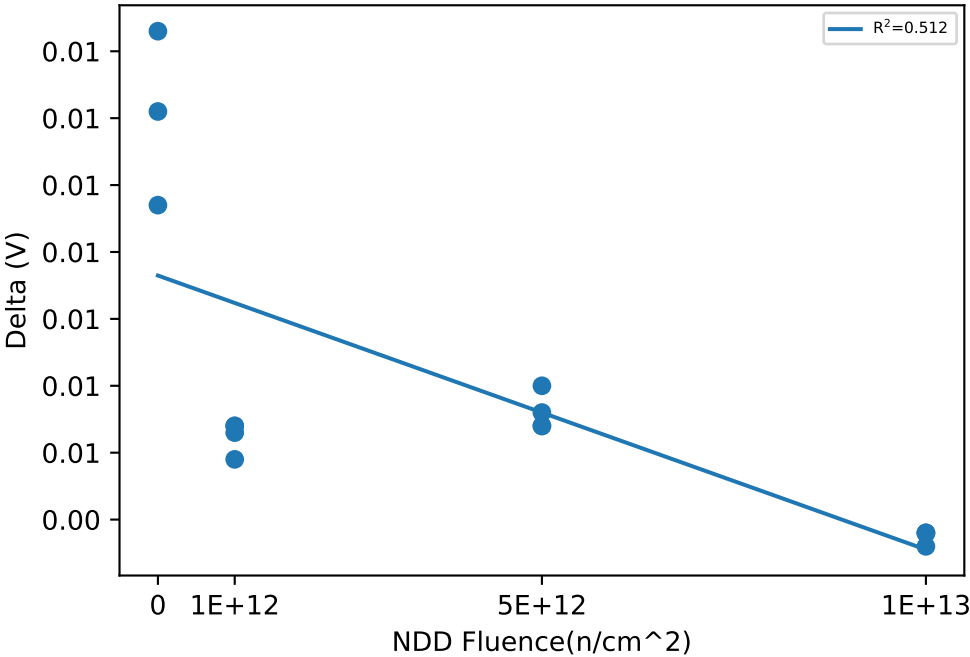
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.8148	0.8197	0.0049
315	1e+12	NDD Unbiased	0.8118	0.8172	0.0054
316	1e+12	NDD Unbiased	0.8124	0.8178	0.0054
317	1e+12	NDD Unbiased	0.8106	0.8159	0.0053
318	5e+12	NDD Unbiased	0.8323	0.8383	0.006
319	5e+12	NDD Unbiased	0.8103	0.8159	0.0056
320	5e+12	NDD Unbiased	0.8364	0.8418	0.0054
321	5e+12	NDD Unbiased	0.8264	0.8318	0.0054
322	1e+13	NDD Unbiased	0.8184	0.8222	0.0038
323	1e+13	NDD Unbiased	0.8079	0.8115	0.0036
324	1e+13	NDD Unbiased	0.8204	0.8242	0.0038
325	1e+13	NDD Unbiased	0.8151	0.8189	0.0038
326	0	Correlation	0.8248	0.8335	0.0087
327	0	Correlation	0.8082	0.8183	0.0101
328	0	Correlation	0.803	0.8143	0.0113

NDD vs Post - Pre Exposure Delta

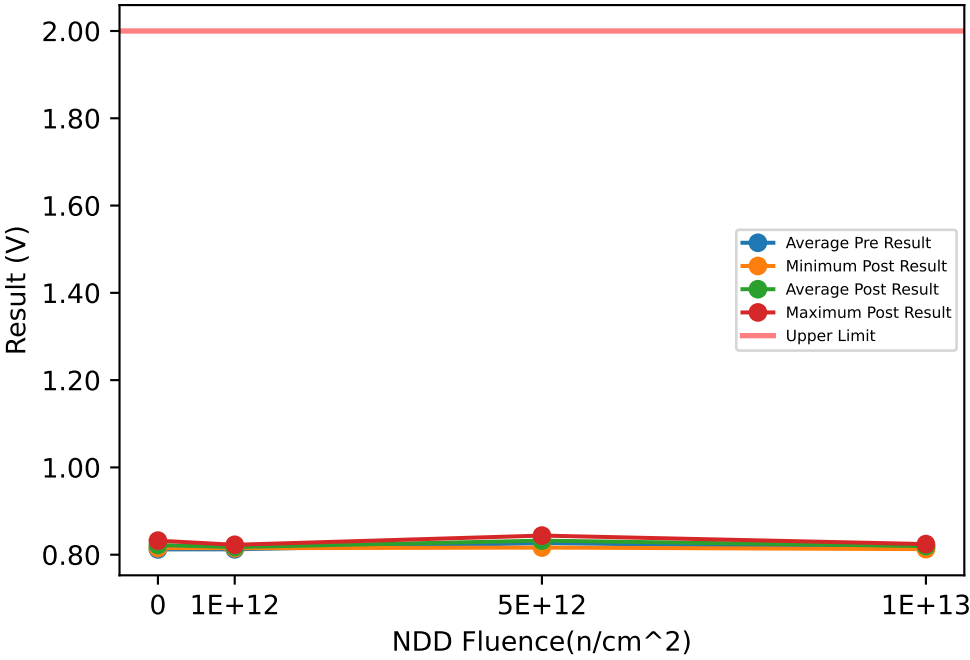


Test Statistics (V)

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	0.803	0.812	0.8248	0.011386	0.8143	0.82203	0.8335	0.01013	0.0087	0.010033	0.0113	0.0013013
1e+12	0.8106	0.8124	0.8148	0.0017664	0.8159	0.81765	0.8197	0.0015801	0.0049	0.00525	0.0054	0.00023805
5e+12	0.8103	0.82635	0.8364	0.01146	0.8159	0.83195	0.8418	0.011474	0.0054	0.0056	0.006	0.00028284
1e+13	0.8079	0.81545	0.8204	0.0054873	0.8115	0.8192	0.8242	0.0055791	0.0036	0.00375	0.0038	0.0001

Device Test: 6.102; VOL_RESET_10MA_OD

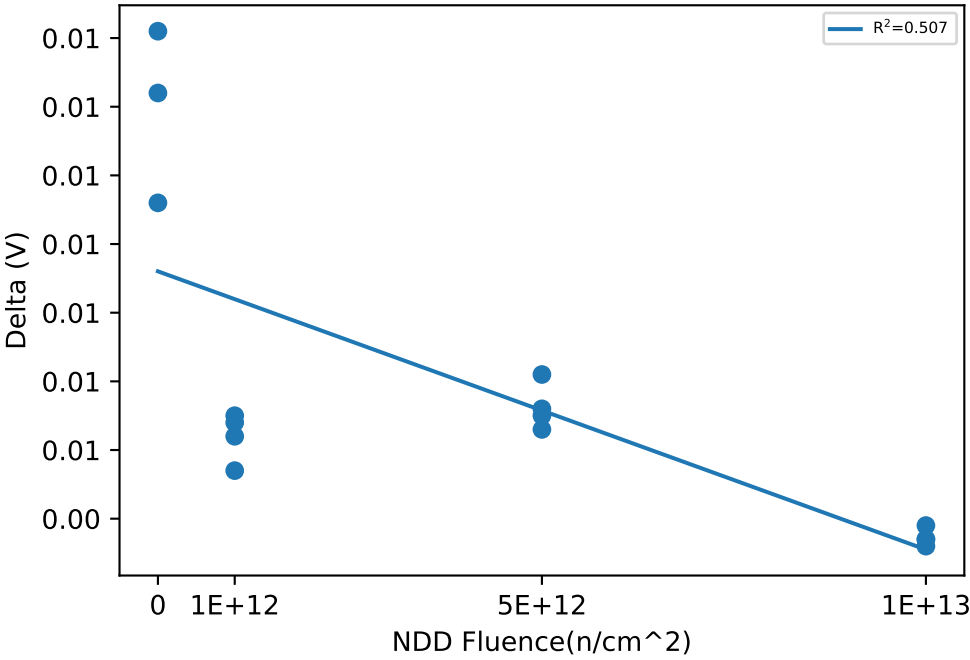
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.818	0.8227	0.0047
315	1e+12	NDD Unbiased	0.8098	0.815	0.0052
316	1e+12	NDD Unbiased	0.8093	0.8148	0.0055
317	1e+12	NDD Unbiased	0.8119	0.8173	0.0054
318	5e+12	NDD Unbiased	0.8316	0.8377	0.0061
319	5e+12	NDD Unbiased	0.8107	0.8163	0.0056
320	5e+12	NDD Unbiased	0.8383	0.8438	0.0055
321	5e+12	NDD Unbiased	0.8257	0.831	0.0053
322	1e+13	NDD Unbiased	0.8184	0.8223	0.0039
323	1e+13	NDD Unbiased	0.8091	0.8127	0.0036
324	1e+13	NDD Unbiased	0.8206	0.8243	0.0037
325	1e+13	NDD Unbiased	0.8159	0.8196	0.0037
326	0	Correlation	0.8236	0.8322	0.0086
327	0	Correlation	0.8088	0.819	0.0102
328	0	Correlation	0.804	0.8151	0.0111

NDD vs Post - Pre Exposure Delta

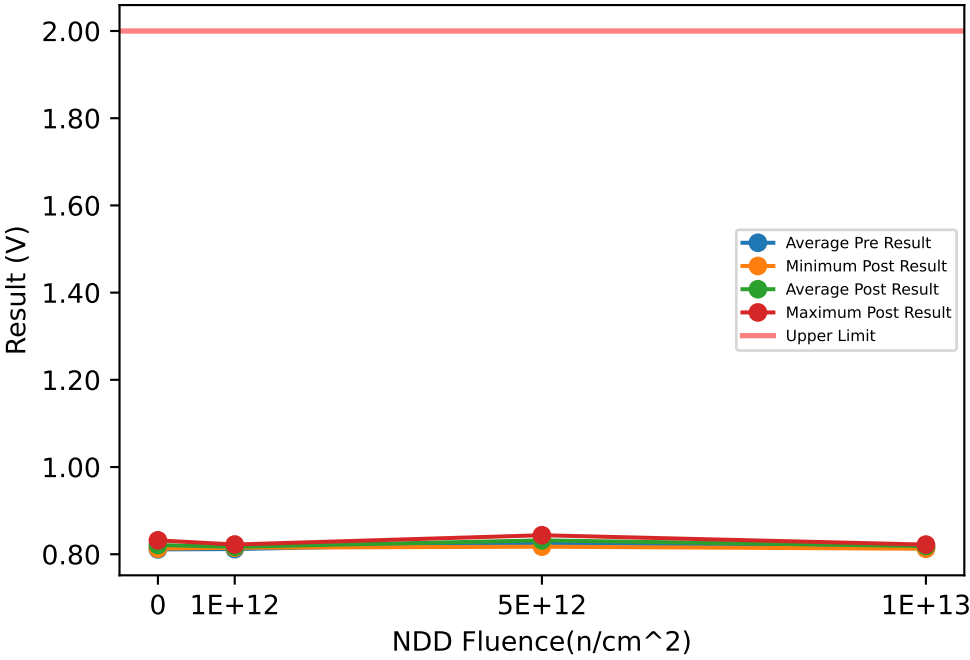


Test Statistics (V)

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	0.804	0.81213	0.8236	0.010216	0.8151	0.8221	0.8322	0.0089616	0.0086	0.0099667	0.0111	0.0012662
1e+12	0.8093	0.81225	0.818	0.0039954	0.8148	0.81745	0.8227	0.0036792	0.0047	0.0052	0.0055	0.0003559
5e+12	0.8107	0.82658	0.8383	0.011769	0.8163	0.8322	0.8438	0.011819	0.0053	0.005625	0.0061	0.00034034
1e+13	0.8091	0.816	0.8206	0.0049846	0.8127	0.81973	0.8243	0.0050638	0.0036	0.003725	0.0039	0.00012583

Device Test: 6.103; VOL_RESET_10MA_OD

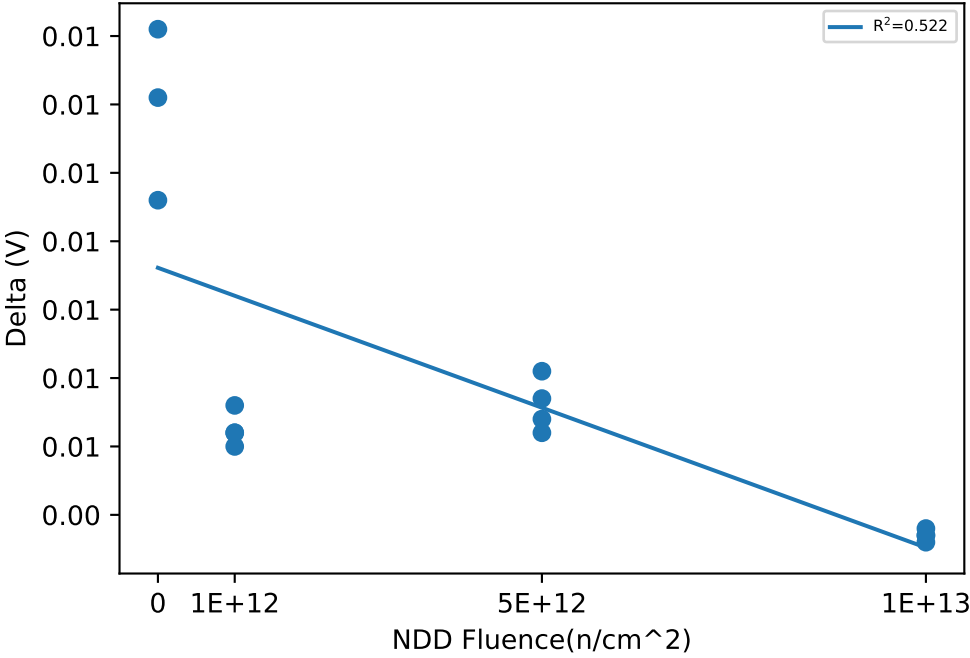
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.8173	0.8223	0.005
315	1e+12	NDD Unbiased	0.8103	0.8155	0.0052
316	1e+12	NDD Unbiased	0.8101	0.8157	0.0056
317	1e+12	NDD Unbiased	0.8097	0.8149	0.0052
318	5e+12	NDD Unbiased	0.8308	0.8369	0.0061
319	5e+12	NDD Unbiased	0.8116	0.8173	0.0057
320	5e+12	NDD Unbiased	0.8382	0.8436	0.0054
321	5e+12	NDD Unbiased	0.8242	0.8294	0.0052
322	1e+13	NDD Unbiased	0.817	0.8208	0.0038
323	1e+13	NDD Unbiased	0.8088	0.8125	0.0037
324	1e+13	NDD Unbiased	0.8185	0.8221	0.0036
325	1e+13	NDD Unbiased	0.8159	0.8196	0.0037
326	0	Correlation	0.8233	0.8319	0.0086
327	0	Correlation	0.8083	0.8184	0.0101
328	0	Correlation	0.8017	0.8128	0.0111

NDD vs Post - Pre Exposure Delta

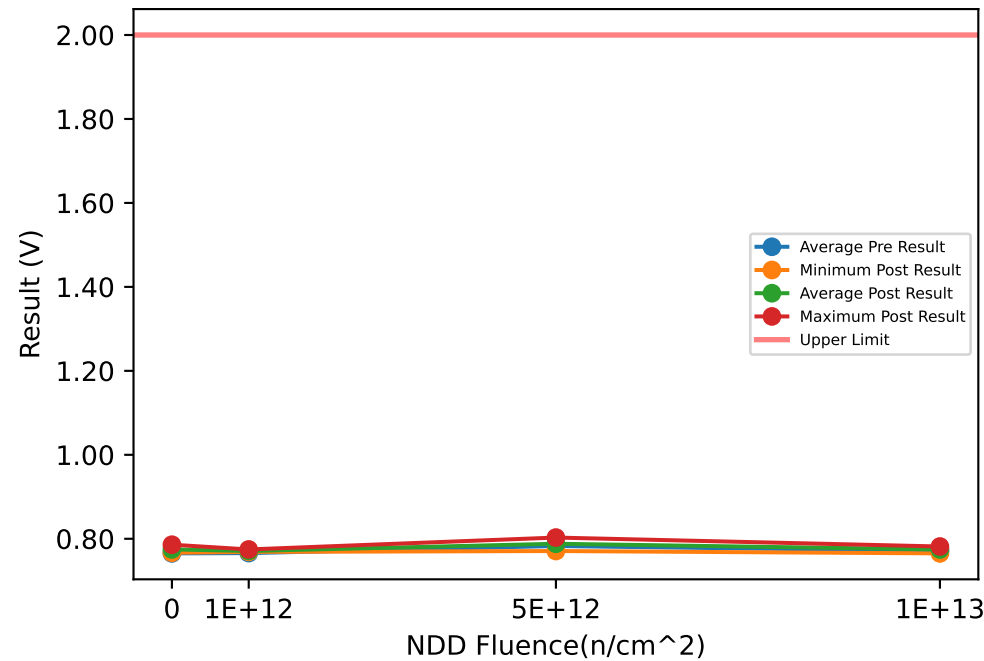


Test Statistics (V)

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	0.8017	0.8111	0.8233	0.011069	0.8128	0.82103	0.8319	0.0098185	0.0086	0.0099333	0.0111	0.0012583
1e+12	0.8097	0.81185	0.8173	0.0036419	0.8149	0.8171	0.8223	0.0034833	0.005	0.00525	0.0056	0.00025166
5e+12	0.8116	0.8262	0.8382	0.011289	0.8173	0.8318	0.8436	0.011273	0.0052	0.0056	0.0061	0.00039158
1e+13	0.8088	0.81505	0.8185	0.0043008	0.8125	0.81875	0.8221	0.0042899	0.0036	0.0037	0.0038	8.165e-05

Device Test: 6.104; VOL_WDO_10MA_OD

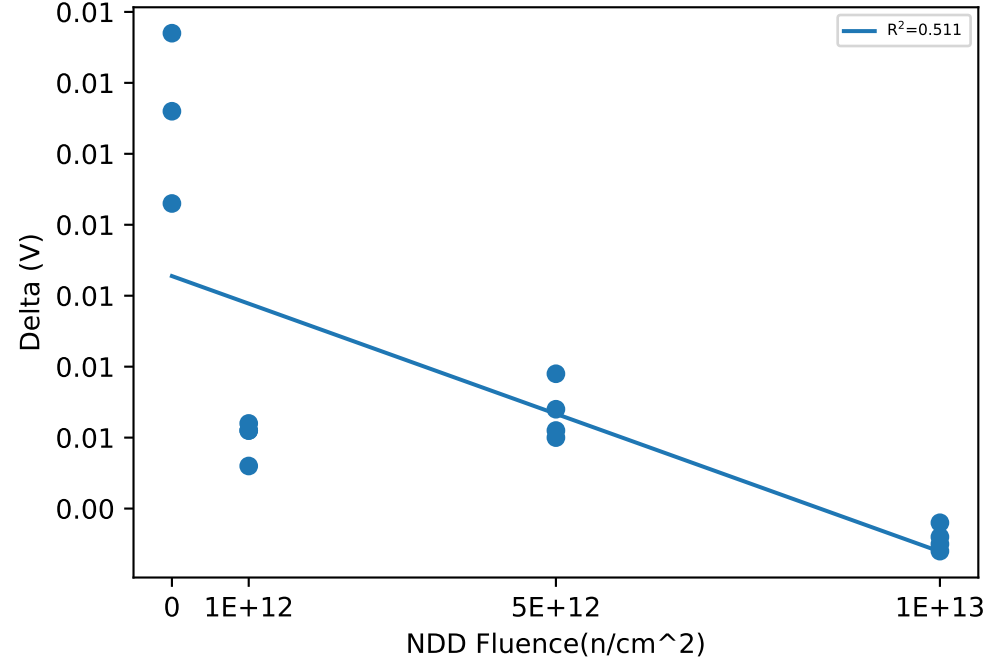
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.77	0.7746	0.0046
315	1e+12	NDD Unbiased	0.7638	0.7689	0.0051
316	1e+12	NDD Unbiased	0.7635	0.7687	0.0052
317	1e+12	NDD Unbiased	0.7663	0.7714	0.0051
318	5e+12	NDD Unbiased	0.7896	0.7955	0.0059
319	5e+12	NDD Unbiased	0.7654	0.7708	0.0054
320	5e+12	NDD Unbiased	0.7978	0.8029	0.0051
321	5e+12	NDD Unbiased	0.7783	0.7833	0.005
322	1e+13	NDD Unbiased	0.7778	0.7816	0.0038
323	1e+13	NDD Unbiased	0.7617	0.7652	0.0035
324	1e+13	NDD Unbiased	0.7715	0.7749	0.0034
325	1e+13	NDD Unbiased	0.7728	0.7764	0.0036
326	0	Correlation	0.7776	0.7859	0.0083
327	0	Correlation	0.7619	0.7715	0.0096
328	0	Correlation	0.756	0.7667	0.0107

NDD vs Post - Pre Exposure Delta

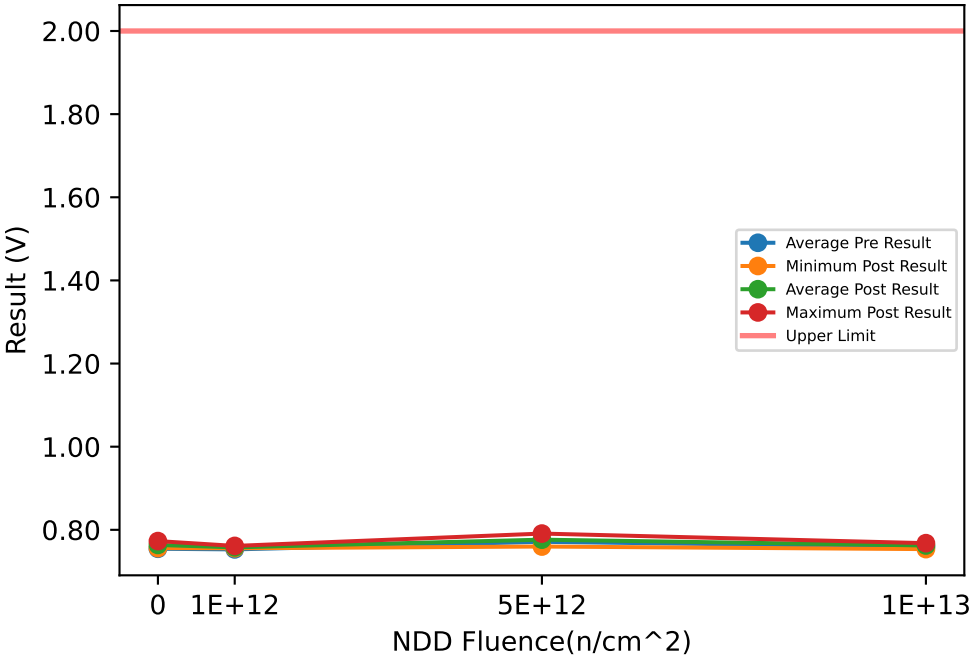


Test Statistics (V)

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	0.756	0.76517	0.7776	0.011164	0.7667	0.7747	0.7859	0.009992	0.0083	0.0095333	0.0107	0.0012014
1e+12	0.7635	0.7659	0.77	0.0030078	0.7687	0.7709	0.7746	0.0027556	0.0046	0.005	0.0052	0.0002708
5e+12	0.7654	0.78277	0.7978	0.014074	0.7708	0.78812	0.8029	0.014096	0.005	0.00535	0.0059	0.00040415
1e+13	0.7617	0.77095	0.7778	0.0067382	0.7652	0.77453	0.7816	0.0068476	0.0034	0.003575	0.0038	0.00017078

Device Test: 6.105; VOL_PWRGD_10MA_OD

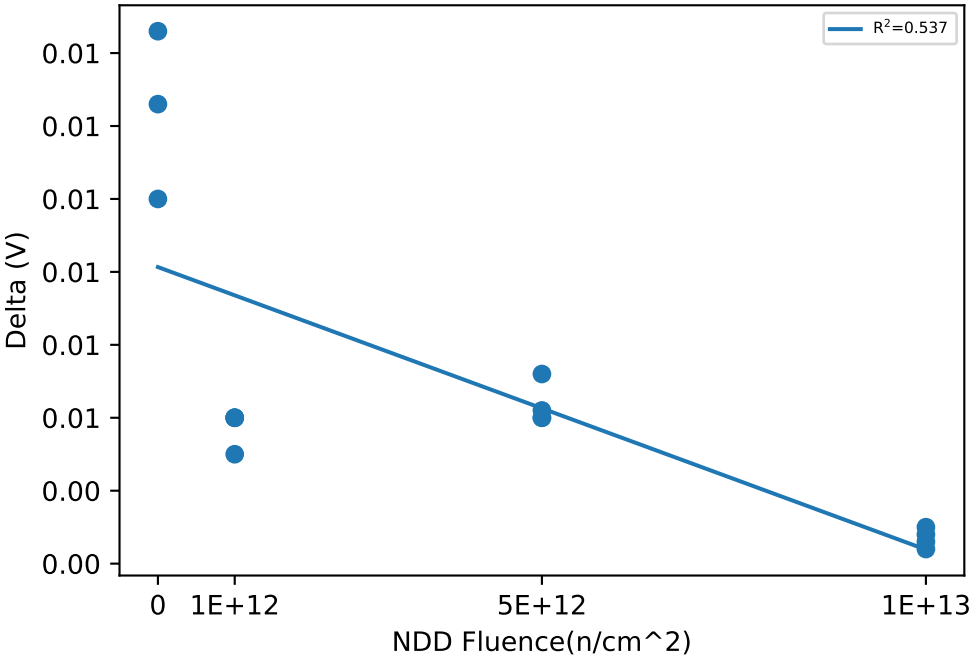
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7568	0.7613	0.0045
315	1e+12	NDD Unbiased	0.7508	0.7558	0.005
316	1e+12	NDD Unbiased	0.7507	0.7557	0.005
317	1e+12	NDD Unbiased	0.7534	0.7584	0.005
318	5e+12	NDD Unbiased	0.7778	0.7834	0.0056
319	5e+12	NDD Unbiased	0.7547	0.7598	0.0051
320	5e+12	NDD Unbiased	0.786	0.791	0.005
321	5e+12	NDD Unbiased	0.7662	0.7712	0.005
322	1e+13	NDD Unbiased	0.7644	0.7679	0.0035
323	1e+13	NDD Unbiased	0.7504	0.7536	0.0032
324	1e+13	NDD Unbiased	0.7609	0.7642	0.0033
325	1e+13	NDD Unbiased	0.7603	0.7637	0.0034
326	0	Correlation	0.7649	0.7729	0.008
327	0	Correlation	0.7527	0.762	0.0093
328	0	Correlation	0.7457	0.756	0.0103

NDD vs Post - Pre Exposure Delta

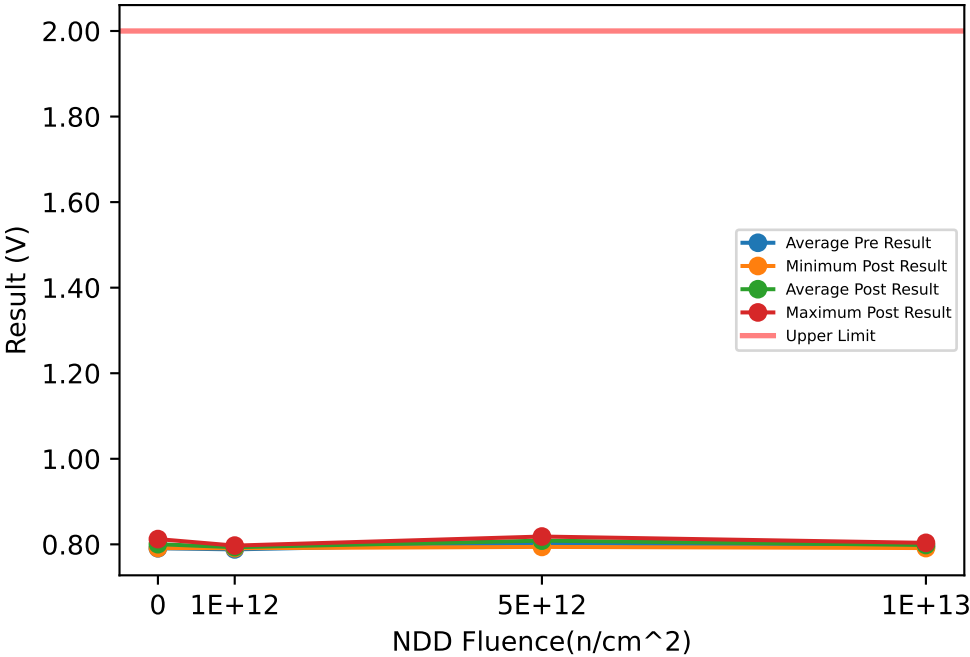


Test Statistics (V)

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	0.7457	0.75443	0.7649	0.0097167	0.756	0.76363	0.7729	0.0085676	0.008	0.0092	0.0103	0.0011533
1e+12	0.7507	0.75293	0.7568	0.0028698	0.7557	0.7578	0.7613	0.002647	0.0045	0.004875	0.005	0.00025
5e+12	0.7547	0.77118	0.786	0.013661	0.7598	0.77635	0.791	0.01372	0.005	0.005175	0.0056	0.00028723
1e+13	0.7504	0.759	0.7644	0.0060117	0.7536	0.76235	0.7679	0.0061267	0.0032	0.00335	0.0035	0.0001291

Device Test: 6.106; VOL_RESET_10MA_OD

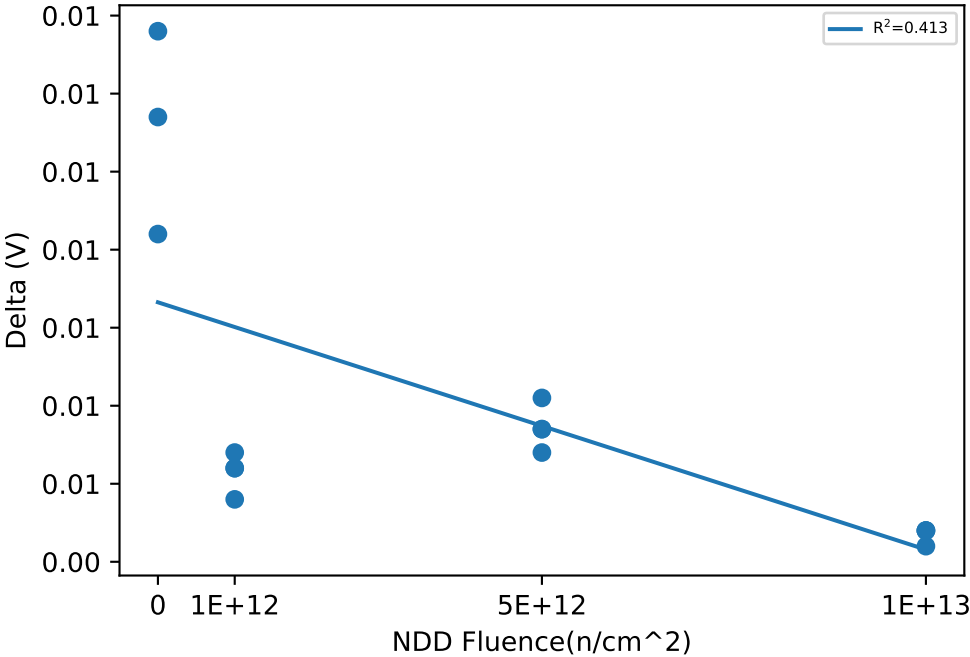
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7923	0.7971	0.0048
315	1e+12	NDD Unbiased	0.7858	0.791	0.0052
316	1e+12	NDD Unbiased	0.7869	0.7923	0.0054
317	1e+12	NDD Unbiased	0.7878	0.793	0.0052
318	5e+12	NDD Unbiased	0.8084	0.8145	0.0061
319	5e+12	NDD Unbiased	0.7883	0.794	0.0057
320	5e+12	NDD Unbiased	0.8126	0.8183	0.0057
321	5e+12	NDD Unbiased	0.8025	0.8079	0.0054
322	1e+13	NDD Unbiased	0.7966	0.801	0.0044
323	1e+13	NDD Unbiased	0.7871	0.7913	0.0042
324	1e+13	NDD Unbiased	0.7991	0.8035	0.0044
325	1e+13	NDD Unbiased	0.7938	0.7982	0.0044
326	0	Correlation	0.8041	0.8123	0.0082
327	0	Correlation	0.7879	0.7976	0.0097
328	0	Correlation	0.7805	0.7913	0.0108

NDD vs Post - Pre Exposure Delta

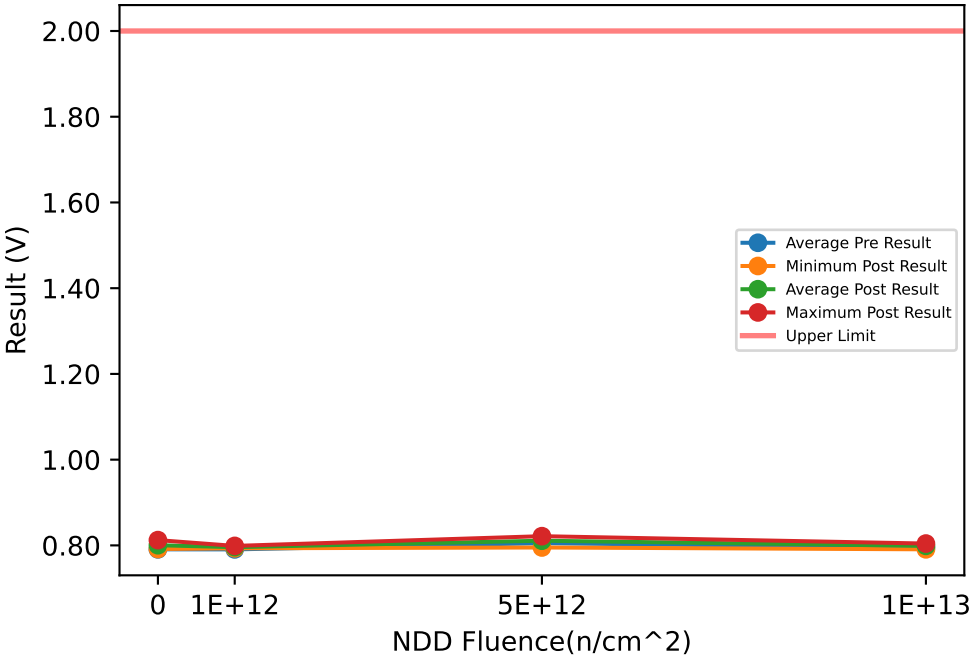


Test Statistics (V)

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	0.7805	0.79083	0.8041	0.01207	0.7913	0.8004	0.8123	0.010776	0.0082	0.0095667	0.0108	0.0013051
1e+12	0.7858	0.7882	0.7923	0.0028531	0.791	0.79335	0.7971	0.0026338	0.0048	0.00515	0.0054	0.00025166
5e+12	0.7883	0.80295	0.8126	0.010609	0.794	0.80868	0.8183	0.010685	0.0054	0.005725	0.0061	0.00028723
1e+13	0.7871	0.79415	0.7991	0.0051746	0.7913	0.7985	0.8035	0.0052656	0.0042	0.00435	0.0044	0.0001

Device Test: 6.107; VOL_RESET_10MA_OD

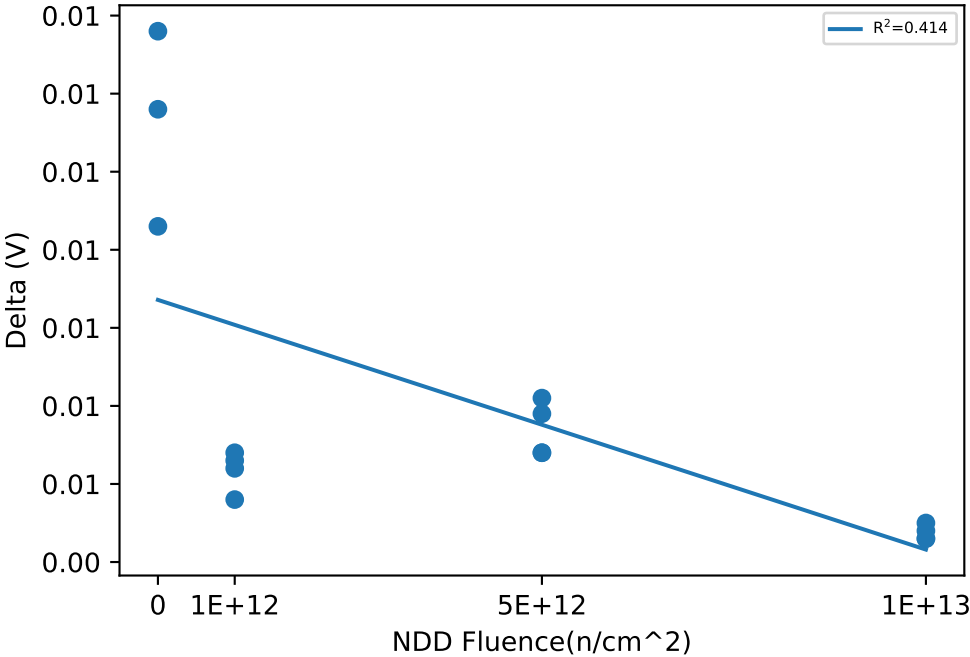
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.794	0.7988	0.0048
315	1e+12	NDD Unbiased	0.79	0.7952	0.0052
316	1e+12	NDD Unbiased	0.7907	0.7961	0.0054
317	1e+12	NDD Unbiased	0.7879	0.7932	0.0053
318	5e+12	NDD Unbiased	0.8107	0.8168	0.0061
319	5e+12	NDD Unbiased	0.7892	0.7951	0.0059
320	5e+12	NDD Unbiased	0.8161	0.8215	0.0054
321	5e+12	NDD Unbiased	0.8048	0.8102	0.0054
322	1e+13	NDD Unbiased	0.7976	0.802	0.0044
323	1e+13	NDD Unbiased	0.7865	0.7908	0.0043
324	1e+13	NDD Unbiased	0.7998	0.8043	0.0045
325	1e+13	NDD Unbiased	0.7943	0.7986	0.0043
326	0	Correlation	0.804	0.8123	0.0083
327	0	Correlation	0.7876	0.7974	0.0098
328	0	Correlation	0.7807	0.7915	0.0108

NDD vs Post - Pre Exposure Delta

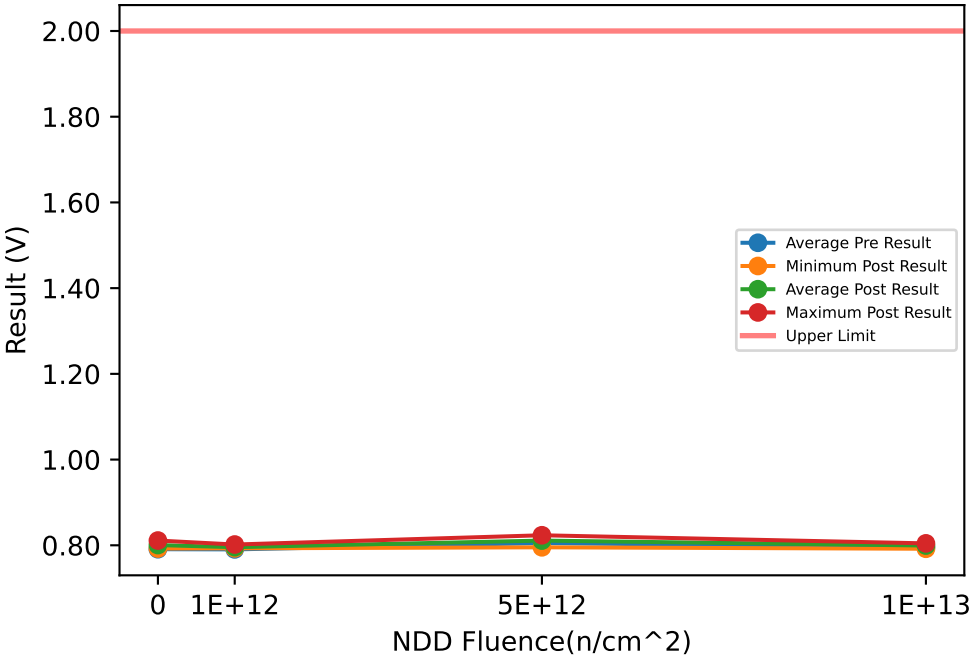


Test Statistics (V)

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	0.7807	0.79077	0.804	0.011968	0.7915	0.8004	0.8123	0.01072	0.0083	0.0096333	0.0108	0.0012583
1e+12	0.7879	0.79065	0.794	0.0025305	0.7932	0.79583	0.7988	0.0023243	0.0048	0.005175	0.0054	0.000263
5e+12	0.7892	0.8052	0.8161	0.011622	0.7951	0.8109	0.8215	0.011508	0.0054	0.0057	0.0061	0.0003559
1e+13	0.7865	0.79455	0.7998	0.0058232	0.7908	0.79892	0.8043	0.0059011	0.0043	0.004375	0.0045	9.5743e-05

Device Test: 6.108; VOL_RESET_10MA_OD

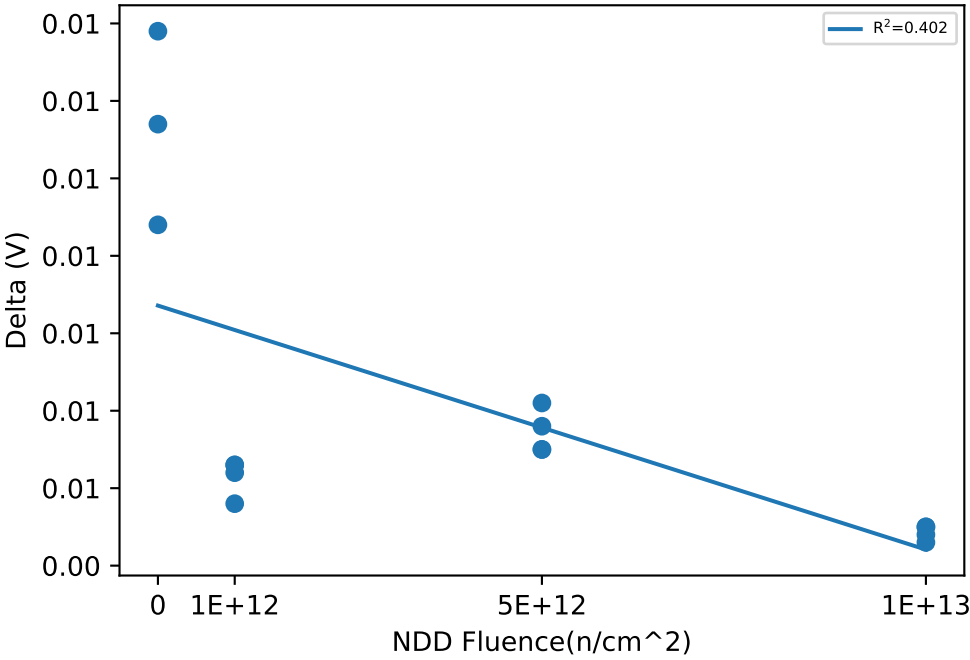
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.797	0.8018	0.0048
315	1e+12	NDD Unbiased	0.7878	0.793	0.0052
316	1e+12	NDD Unbiased	0.7876	0.7929	0.0053
317	1e+12	NDD Unbiased	0.7893	0.7946	0.0053
318	5e+12	NDD Unbiased	0.8099	0.816	0.0061
319	5e+12	NDD Unbiased	0.7895	0.7953	0.0058
320	5e+12	NDD Unbiased	0.8179	0.8234	0.0055
321	5e+12	NDD Unbiased	0.8038	0.8093	0.0055
322	1e+13	NDD Unbiased	0.7975	0.802	0.0045
323	1e+13	NDD Unbiased	0.7876	0.7919	0.0043
324	1e+13	NDD Unbiased	0.8	0.8045	0.0045
325	1e+13	NDD Unbiased	0.7949	0.7993	0.0044
326	0	Correlation	0.8027	0.8111	0.0084
327	0	Correlation	0.7884	0.7981	0.0097
328	0	Correlation	0.7815	0.7924	0.0109

NDD vs Post - Pre Exposure Delta

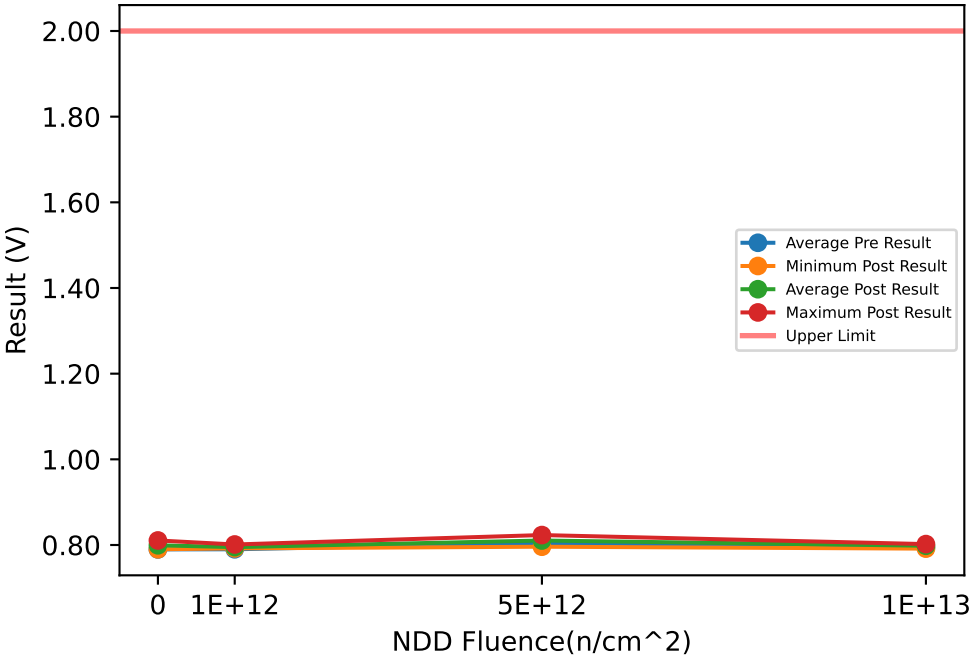


Test Statistics (V)

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	0.7815	0.79087	0.8027	0.010813	0.7924	0.80053	0.8111	0.0095845	0.0084	0.0096667	0.0109	0.0012503
1e+12	0.7876	0.79042	0.797	0.0044485	0.7929	0.79558	0.8018	0.0042225	0.0048	0.00515	0.0053	0.00023805
5e+12	0.7895	0.80527	0.8179	0.011997	0.7953	0.811	0.8234	0.011946	0.0055	0.005725	0.0061	0.00028723
1e+13	0.7876	0.795	0.8	0.0053547	0.7919	0.79943	0.8045	0.0054476	0.0043	0.004425	0.0045	9.5743e-05

Device Test: 6.109; VOL_RESET_10MA_OD

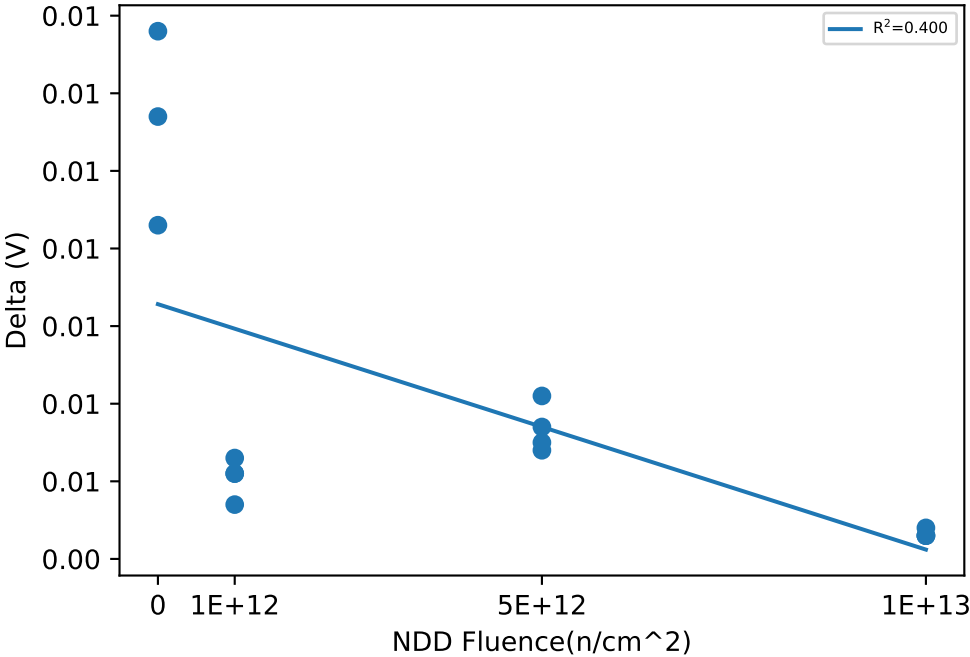
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7965	0.8012	0.0047
315	1e+12	NDD Unbiased	0.7882	0.7933	0.0051
316	1e+12	NDD Unbiased	0.7882	0.7935	0.0053
317	1e+12	NDD Unbiased	0.787	0.7921	0.0051
318	5e+12	NDD Unbiased	0.809	0.8151	0.0061
319	5e+12	NDD Unbiased	0.7903	0.796	0.0057
320	5e+12	NDD Unbiased	0.8177	0.8232	0.0055
321	5e+12	NDD Unbiased	0.8022	0.8076	0.0054
322	1e+13	NDD Unbiased	0.7961	0.8004	0.0043
323	1e+13	NDD Unbiased	0.7872	0.7915	0.0043
324	1e+13	NDD Unbiased	0.7977	0.8021	0.0044
325	1e+13	NDD Unbiased	0.7948	0.7991	0.0043
326	0	Correlation	0.8023	0.8106	0.0083
327	0	Correlation	0.7877	0.7974	0.0097
328	0	Correlation	0.7792	0.79	0.0108

NDD vs Post - Pre Exposure Delta

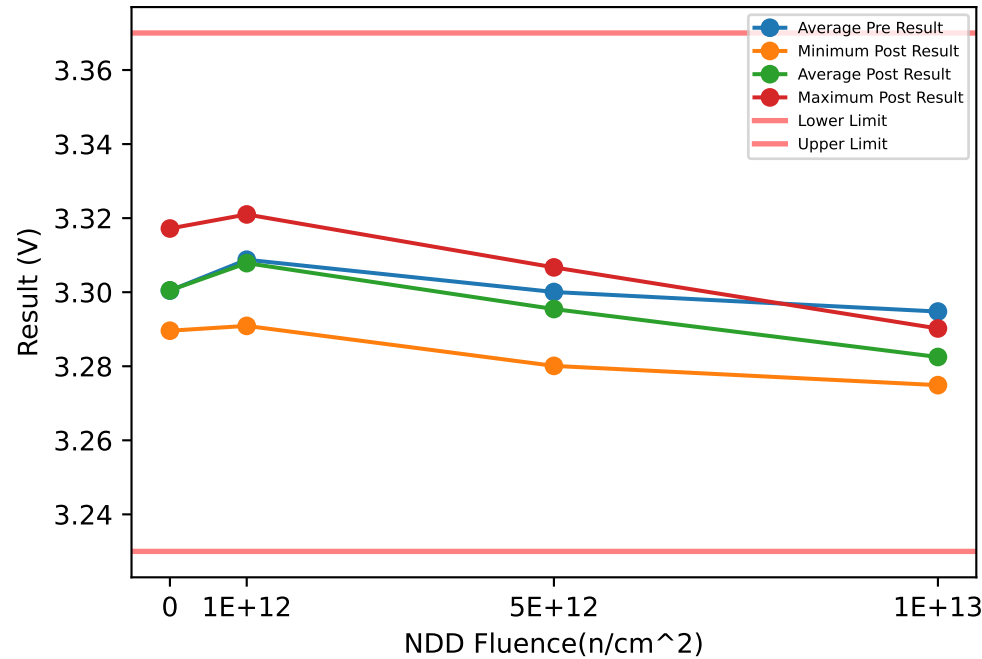


Test Statistics (V)

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	0.7792	0.78973	0.8023	0.011683	0.79	0.79933	0.8106	0.010435	0.0083	0.0096	0.0108	0.001253
1e+12	0.787	0.78997	0.7965	0.0043866	0.7921	0.79502	0.8012	0.0041628	0.0047	0.00505	0.0053	0.00025166
5e+12	0.7903	0.8048	0.8177	0.011562	0.796	0.81048	0.8232	0.011563	0.0054	0.005675	0.0061	0.00030957
1e+13	0.7872	0.79395	0.7977	0.0046537	0.7915	0.79828	0.8021	0.0046807	0.0043	0.004325	0.0044	5e-05

Device Test: 6.11; VLDO_REG

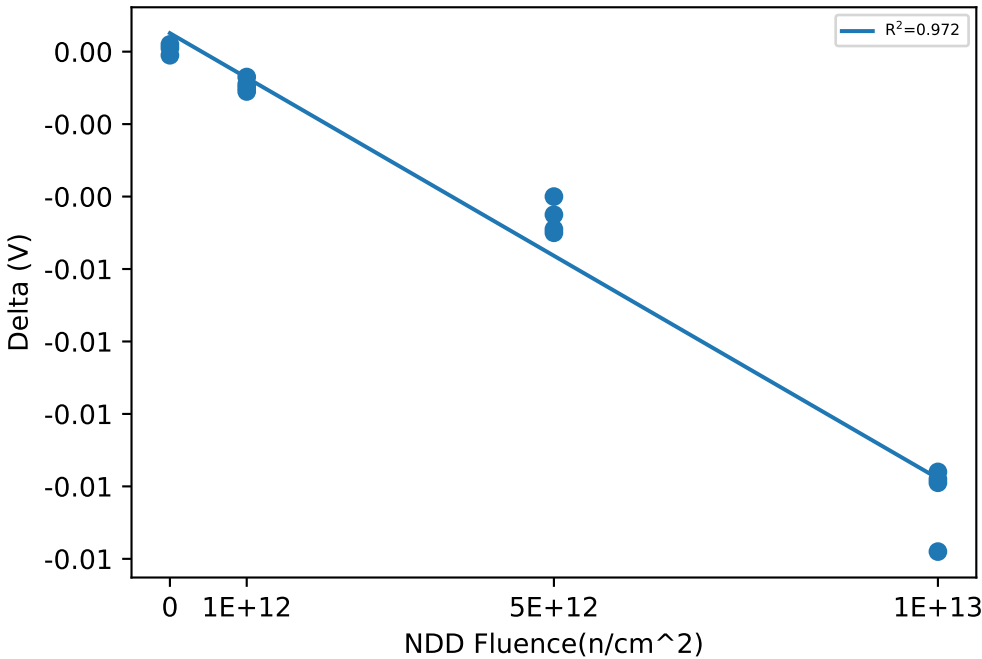
NDD vs Result Stats



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3.2918	3.2909	-0.0009
315	1e+12	NDD Unbiased	3.3136	3.3126	-0.001
316	1e+12	NDD Unbiased	3.308	3.3069	-0.0011
317	1e+12	NDD Unbiased	3.3217	3.321	-0.0007
318	5e+12	NDD Unbiased	3.3052	3.3012	-0.004
319	5e+12	NDD Unbiased	3.2983	3.2938	-0.0045
320	5e+12	NDD Unbiased	3.2851	3.2801	-0.005
321	5e+12	NDD Unbiased	3.3116	3.3067	-0.0049
322	1e+13	NDD Unbiased	3.2937	3.2818	-0.0119
323	1e+13	NDD Unbiased	3.302	3.2902	-0.0118
324	1e+13	NDD Unbiased	3.2887	3.2749	-0.0138
325	1e+13	NDD Unbiased	3.2947	3.2831	-0.0116
326	0	Correlation	3.2945	3.2947	0.0002
327	0	Correlation	3.2895	3.2896	0.0001
328	0	Correlation	3.3173	3.3172	-0.0001

NDD vs Post - Pre Exposure Delta

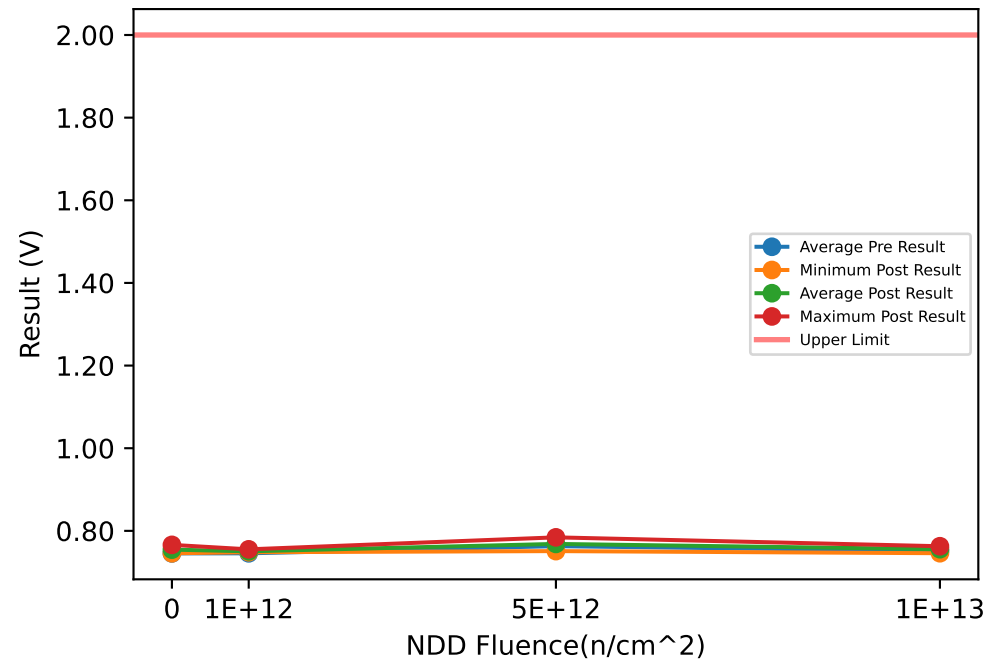


Test Statistics (V)

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	3.2895	3.3004	3.3173	0.014819	3.2896	3.3005	3.3172	0.014686	-0.0001	6.6667e-05	0.0002	0.00015275
1e+12	3.2918	3.3088	3.3217	0.012637	3.2909	3.3079	3.321	0.012698	-0.0011	-0.000925	-0.0007	0.00017078
5e+12	3.2851	3.3	3.3116	0.01135	3.2801	3.2955	3.3067	0.011518	-0.005	-0.0046	-0.004	0.00045461
1e+13	3.2887	3.2948	3.302	0.0054854	3.2749	3.2825	3.2902	0.006269	-0.0138	-0.012275	-0.0116	0.0010243

Device Test: 6.110; VOL_WDO_10MA_OD

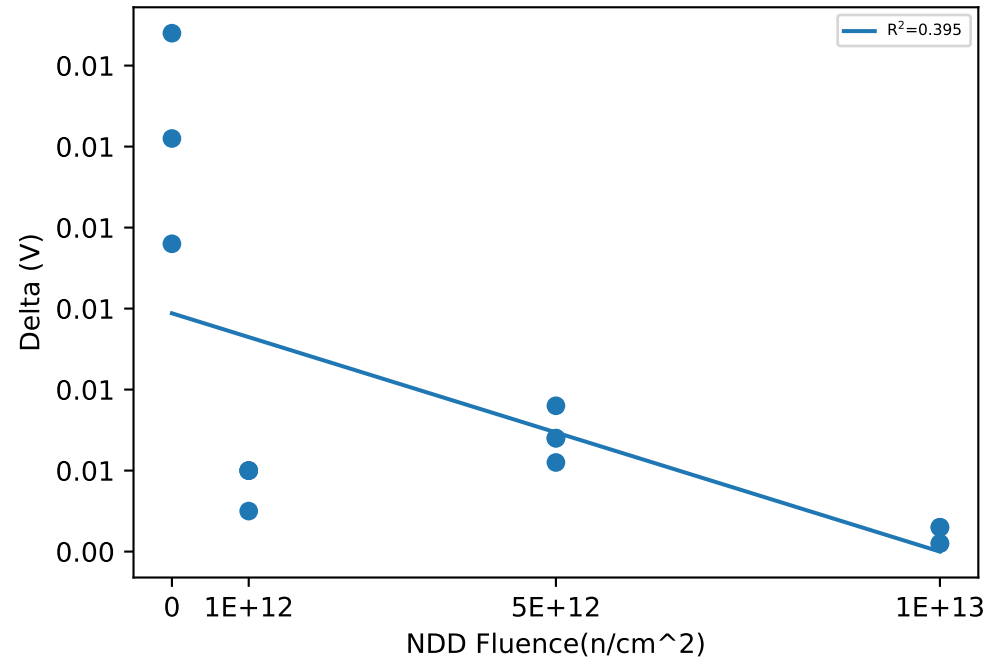
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7508	0.7553	0.0045
315	1e+12	NDD Unbiased	0.7434	0.7484	0.005
316	1e+12	NDD Unbiased	0.7433	0.7483	0.005
317	1e+12	NDD Unbiased	0.7451	0.7501	0.005
318	5e+12	NDD Unbiased	0.7695	0.7753	0.0058
319	5e+12	NDD Unbiased	0.7456	0.751	0.0054
320	5e+12	NDD Unbiased	0.7789	0.7843	0.0054
321	5e+12	NDD Unbiased	0.7579	0.763	0.0051
322	1e+13	NDD Unbiased	0.7585	0.7628	0.0043
323	1e+13	NDD Unbiased	0.7418	0.7459	0.0041
324	1e+13	NDD Unbiased	0.7521	0.7564	0.0043
325	1e+13	NDD Unbiased	0.7533	0.7574	0.0041
326	0	Correlation	0.7583	0.7661	0.0078
327	0	Correlation	0.7428	0.7519	0.0091
328	0	Correlation	0.7353	0.7457	0.0104

NDD vs Post - Pre Exposure Delta

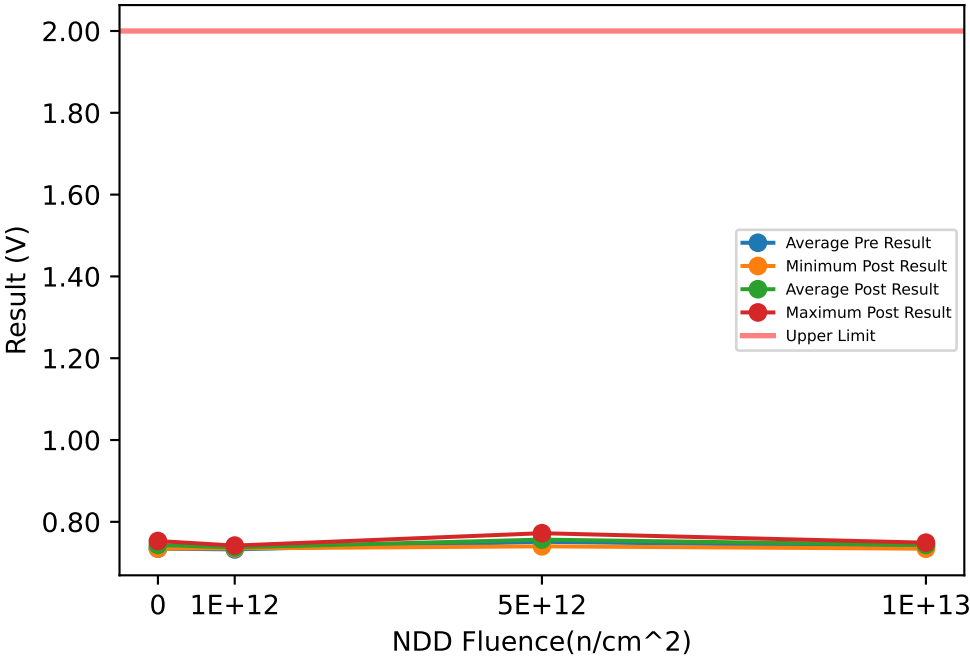


Test Statistics (V)

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	0.7353	0.74547	0.7583	0.01173	0.7457	0.75457	0.7661	0.010458	0.0078	0.0091	0.0104	0.0013
1e+12	0.7433	0.74565	0.7508	0.0035313	0.7483	0.75052	0.7553	0.0032887	0.0045	0.004875	0.005	0.00025
5e+12	0.7456	0.76297	0.7789	0.01442	0.751	0.7684	0.7843	0.014518	0.0051	0.005425	0.0058	0.00028723
1e+13	0.7418	0.75143	0.7585	0.0069921	0.7459	0.75562	0.7628	0.0070665	0.0041	0.0042	0.0043	0.00011547

Device Test: 6.111; VOL_PWRGD_10MA_OD

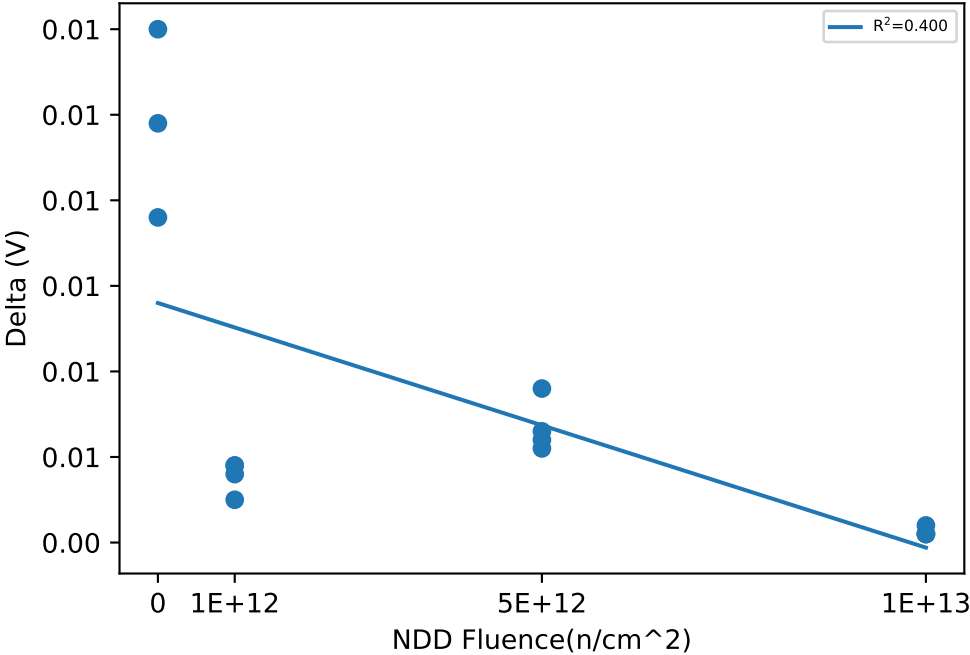
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7374	0.7419	0.0045
315	1e+12	NDD Unbiased	0.7302	0.7351	0.0049
316	1e+12	NDD Unbiased	0.7305	0.7354	0.0049
317	1e+12	NDD Unbiased	0.7323	0.7371	0.0048
318	5e+12	NDD Unbiased	0.7574	0.7632	0.0058
319	5e+12	NDD Unbiased	0.7348	0.7401	0.0053
320	5e+12	NDD Unbiased	0.767	0.7722	0.0052
321	5e+12	NDD Unbiased	0.7456	0.7507	0.0051
322	1e+13	NDD Unbiased	0.7448	0.749	0.0042
323	1e+13	NDD Unbiased	0.7302	0.7343	0.0041
324	1e+13	NDD Unbiased	0.7415	0.7456	0.0041
325	1e+13	NDD Unbiased	0.7407	0.7448	0.0041
326	0	Correlation	0.7453	0.7531	0.0078
327	0	Correlation	0.7334	0.7423	0.0089
328	0	Correlation	0.7248	0.7348	0.01

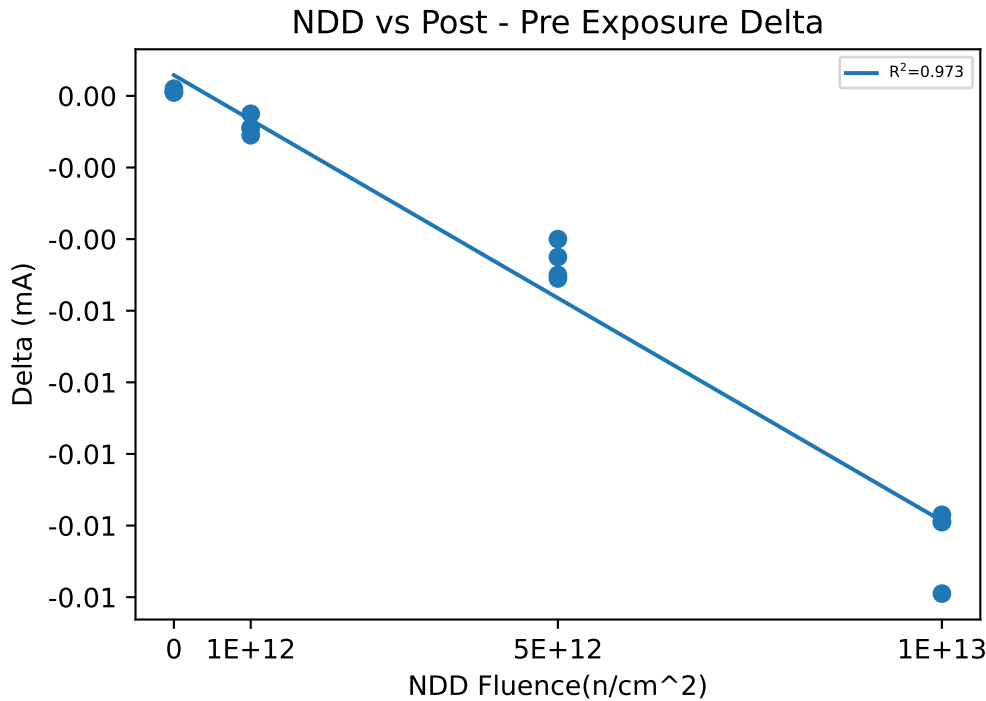
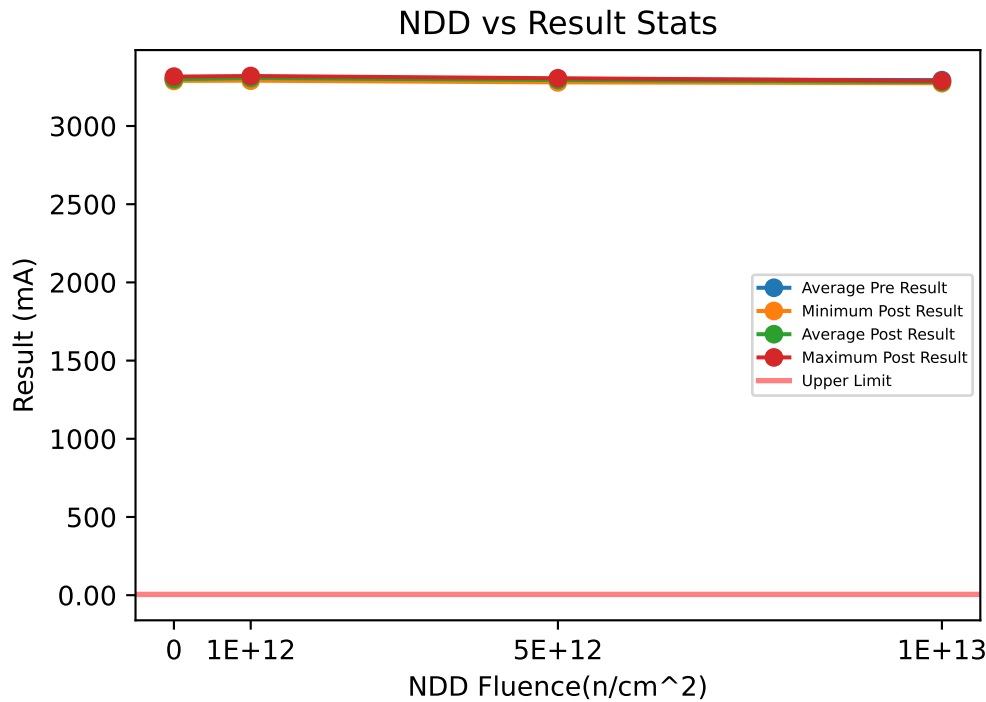
NDD vs Post - Pre Exposure Delta



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	0.7248	0.7345	0.7453	0.010294	0.7348	0.7434	0.7531	0.0091995	0.0078	0.0089	0.01	0.0011
1e+12	0.7302	0.7326	0.7374	0.0033317	0.7351	0.73738	0.7419	0.0031426	0.0045	0.004775	0.0049	0.0001893
5e+12	0.7348	0.7512	0.767	0.014005	0.7401	0.75655	0.7722	0.014071	0.0051	0.00535	0.0058	0.00031091
1e+13	0.7302	0.7393	0.7448	0.0063209	0.7343	0.74343	0.749	0.00635	0.0041	0.004125	0.0042	5e-05

Device Test: 6.12; VLDO_I_MAX



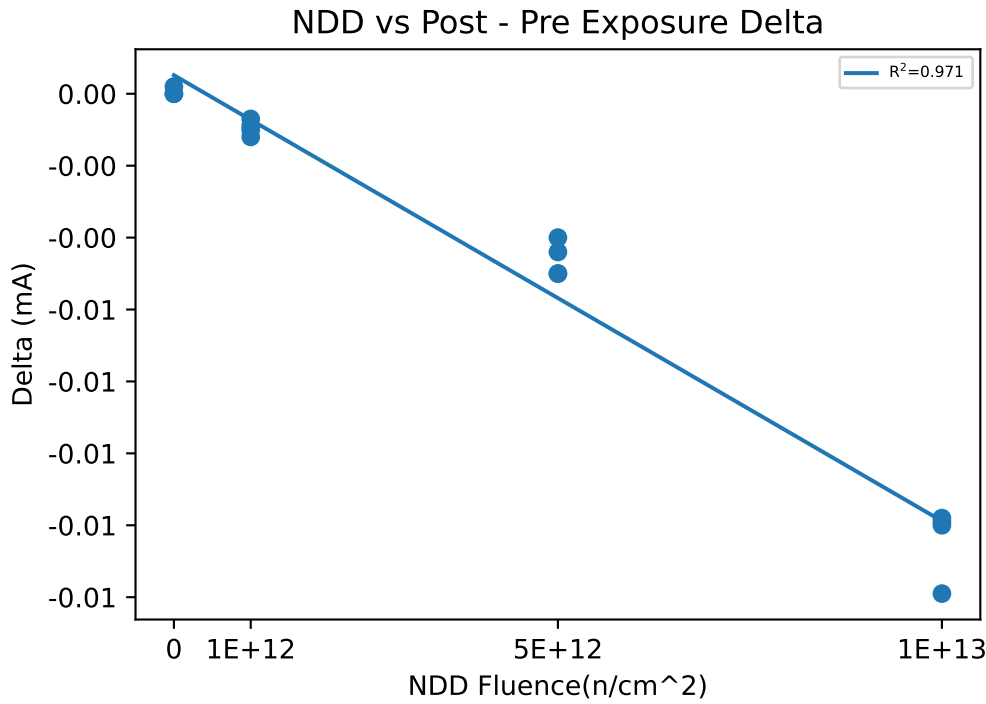
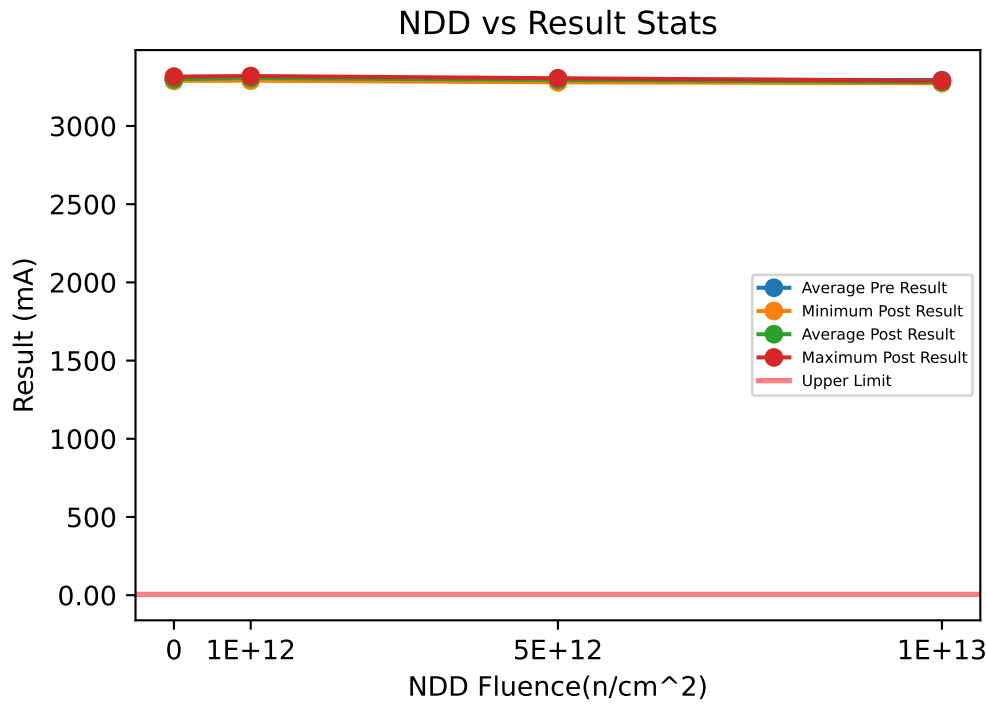
Test Results (Upper Limit = 5.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3290.6	3289.7	-0.0009
315	1e+12	NDD Unbiased	3312.2	3311.3	-0.0009
316	1e+12	NDD Unbiased	3306.6	3305.5	-0.0011
317	1e+12	NDD Unbiased	3320.3	3319.8	-0.0005
318	5e+12	NDD Unbiased	3303.9	3299.9	-0.004
319	5e+12	NDD Unbiased	3297.1	3292.6	-0.0045
320	5e+12	NDD Unbiased	3283.9	3278.8	-0.0051
321	5e+12	NDD Unbiased	3310.5	3305.5	-0.005
322	1e+13	NDD Unbiased	3292.4	3280.5	-0.0119
323	1e+13	NDD Unbiased	3300.7	3288.8	-0.0119
324	1e+13	NDD Unbiased	3287.5	3273.6	-0.0139
325	1e+13	NDD Unbiased	3293.4	3281.7	-0.0117
326	0	Correlation	3293.3	3293.5	0.0002
327	0	Correlation	3288.2	3288.3	0.0001
328	0	Correlation	3315.9	3316	0.0001

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	3288.2	3299.1	3315.9	14.743	3288.3	3299.3	3316	14.723	0.0001	0.00013333	0.0002	5.7735e-05
1e+12	3290.6	3307.4	3320.3	12.548	3289.7	3306.6	3319.8	12.691	-0.0011	-0.00085	-0.0005	0.00025166
5e+12	3283.9	3298.8	3310.5	11.369	3278.8	3294.2	3305.5	11.546	-0.0051	-0.00465	-0.004	0.00050662
1e+13	3287.5	3293.5	3300.7	5.4485	3273.6	3281.2	3288.8	6.2249	-0.0139	-0.01235	-0.0117	0.0010376

Device Test: 6.13; VLDO_I_MAX



Test Results (Upper Limit = 5.0 (mA))

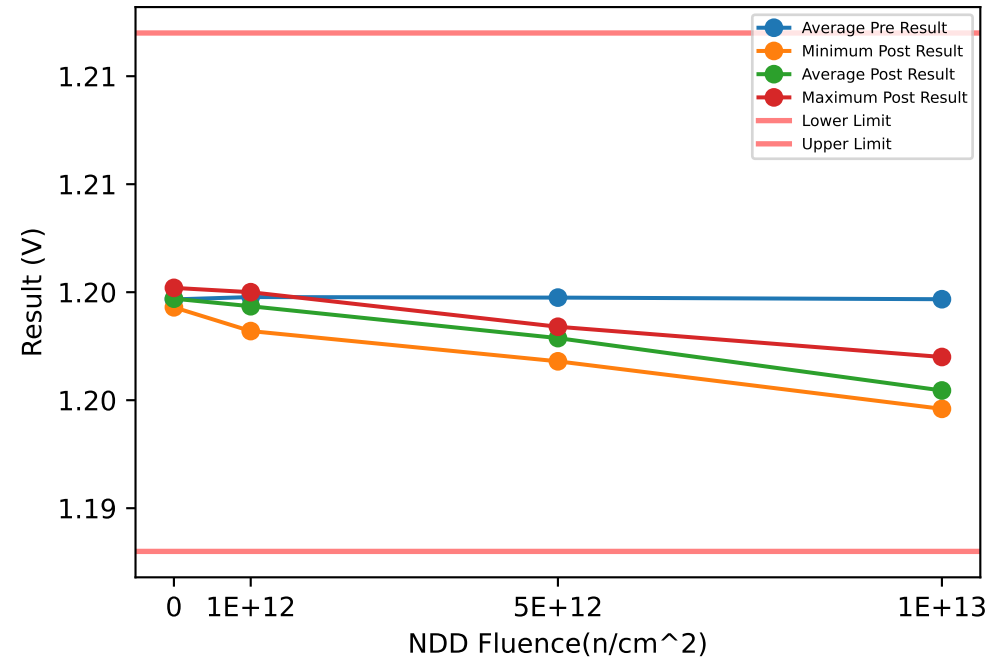
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	3290.6	3289.7	-0.0009
315	1e+12	NDD Unbiased	3312.3	3311.3	-0.001
316	1e+12	NDD Unbiased	3306.7	3305.5	-0.0012
317	1e+12	NDD Unbiased	3320.4	3319.7	-0.0007
318	5e+12	NDD Unbiased	3303.9	3299.9	-0.004
319	5e+12	NDD Unbiased	3297.1	3292.7	-0.0044
320	5e+12	NDD Unbiased	3283.9	3278.9	-0.005
321	5e+12	NDD Unbiased	3310.5	3305.5	-0.005
322	1e+13	NDD Unbiased	3292.5	3280.5	-0.012
323	1e+13	NDD Unbiased	3300.8	3289	-0.0118
324	1e+13	NDD Unbiased	3287.5	3273.6	-0.0139
325	1e+13	NDD Unbiased	3293.6	3281.7	-0.0119
326	0	Correlation	3293.2	3293.4	0.0002
327	0	Correlation	3288.3	3288.3	0
328	0	Correlation	3315.9	3315.9	0

Test Statistics (mA)

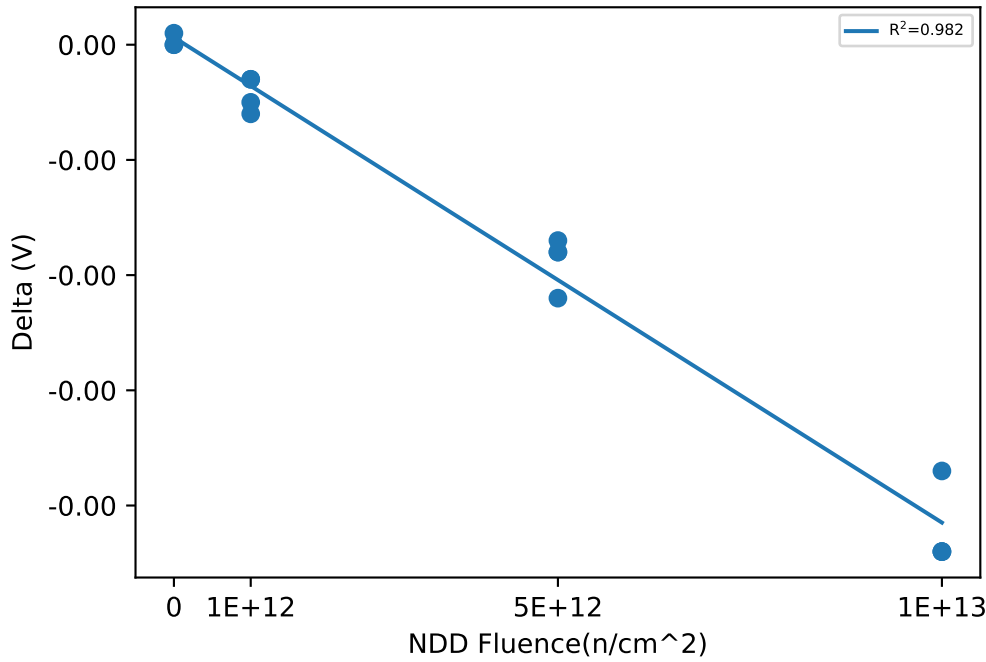
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3288.3	3299.1	3315.9	14.726	3288.3	3299.2	3315.9	14.686	0	6.6667e-05	0.0002	0.00011547
1e+12	3290.6	3307.5	3320.4	12.592	3289.7	3306.6	3319.7	12.656	-0.0012	-0.00095	-0.0007	0.00020817
5e+12	3283.9	3298.8	3310.5	11.369	3278.9	3294.2	3305.5	11.497	-0.005	-0.0046	-0.004	0.0004899
1e+13	3287.5	3293.6	3300.8	5.4851	3273.6	3281.2	3289	6.3071	-0.0139	-0.0124	-0.0118	0.0010033

Device Test: 6.14; REFCAP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

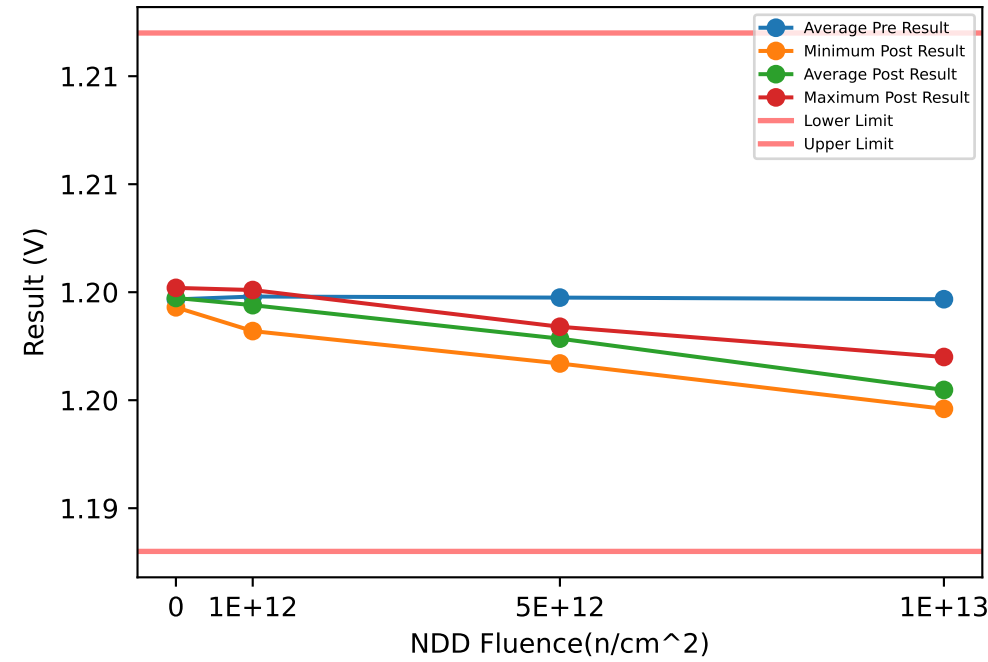
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1985	1.1982	-0.0003
315	1e+12	NDD Unbiased	1.2006	1.2	-0.0006
316	1e+12	NDD Unbiased	1.2003	1.1998	-0.0005
317	1e+12	NDD Unbiased	1.1997	1.1994	-0.0003
318	5e+12	NDD Unbiased	1.1999	1.1981	-0.0018
319	5e+12	NDD Unbiased	1.1999	1.1982	-0.0017
320	5e+12	NDD Unbiased	1.2002	1.1984	-0.0018
321	5e+12	NDD Unbiased	1.199	1.1968	-0.0022
322	1e+13	NDD Unbiased	1.2007	1.197	-0.0037
323	1e+13	NDD Unbiased	1.1995	1.1951	-0.0044
324	1e+13	NDD Unbiased	1.1995	1.1951	-0.0044
325	1e+13	NDD Unbiased	1.199	1.1946	-0.0044
326	0	Correlation	1.2001	1.2002	0.0001
327	0	Correlation	1.1993	1.1993	0
328	0	Correlation	1.1996	1.1996	0

Test Statistics (V)

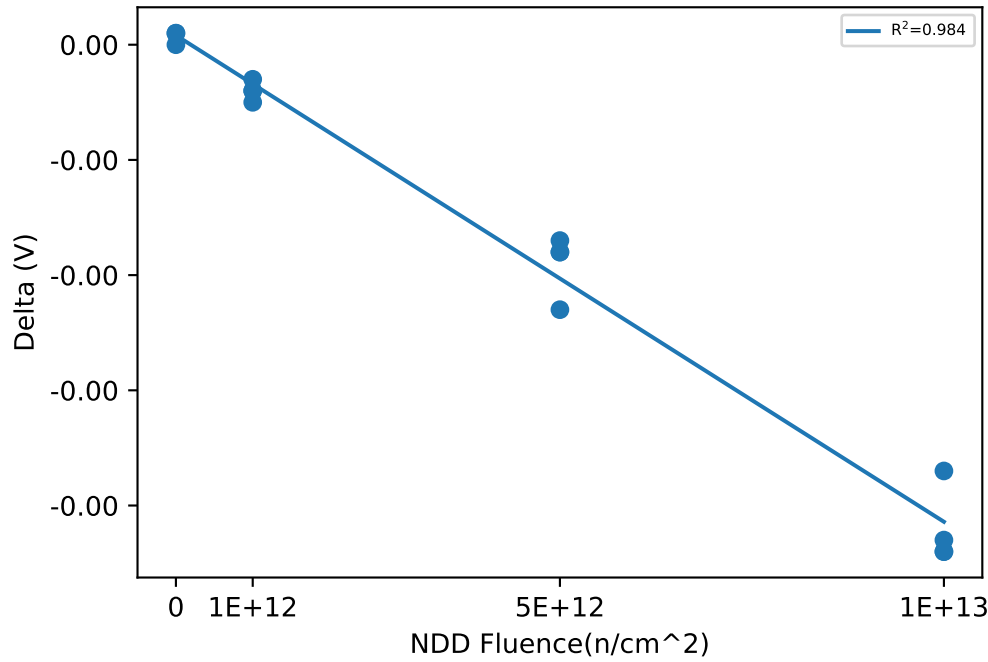
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1993	1.1997	1.2001	0.00040415	1.1993	1.1997	1.2002	0.00045826	0	3.3333e-05	0.0001	5.7735e-05
1e+12	1.1985	1.1998	1.2006	0.00092871	1.1982	1.1993	1.2	0.00080623	-0.0006	-0.000425	-0.0003	0.00015
5e+12	1.199	1.1997	1.2002	0.00051962	1.1968	1.1979	1.1984	0.00072744	-0.0022	-0.001875	-0.0017	0.00022174
1e+13	1.199	1.1997	1.2007	0.00072284	1.1946	1.1955	1.197	0.0010599	-0.0044	-0.004225	-0.0037	0.00035

Device Test: 6.15; REFCAP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

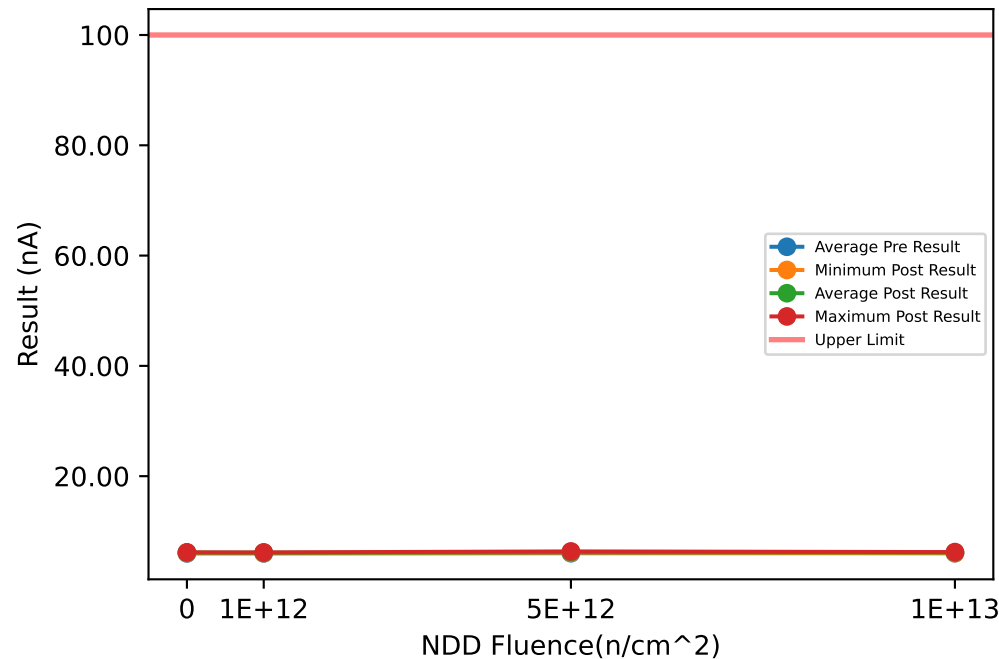
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1986	1.1982	-0.0004
315	1e+12	NDD Unbiased	1.2006	1.2001	-0.0005
316	1e+12	NDD Unbiased	1.2003	1.1999	-0.0004
317	1e+12	NDD Unbiased	1.1997	1.1994	-0.0003
318	5e+12	NDD Unbiased	1.1999	1.1981	-0.0018
319	5e+12	NDD Unbiased	1.1999	1.1982	-0.0017
320	5e+12	NDD Unbiased	1.2002	1.1984	-0.0018
321	5e+12	NDD Unbiased	1.199	1.1967	-0.0023
322	1e+13	NDD Unbiased	1.2007	1.197	-0.0037
323	1e+13	NDD Unbiased	1.1995	1.1951	-0.0044
324	1e+13	NDD Unbiased	1.1995	1.1952	-0.0043
325	1e+13	NDD Unbiased	1.199	1.1946	-0.0044
326	0	Correlation	1.2001	1.2002	0.0001
327	0	Correlation	1.1993	1.1993	0
328	0	Correlation	1.1996	1.1997	0.0001

Test Statistics (V)

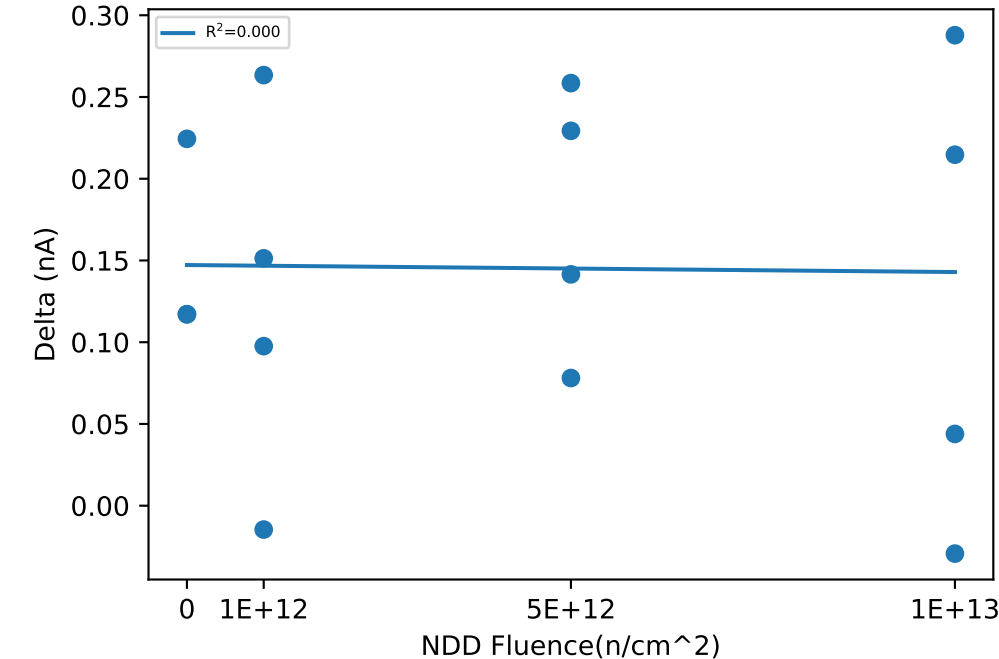
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1993	1.1997	1.2001	0.00040415	1.1993	1.1997	1.2002	0.00045092	0	6.6667e-05	0.0001	5.7735e-05
1e+12	1.1986	1.1998	1.2006	0.00088318	1.1982	1.1994	1.2001	0.00085245	-0.0005	-0.0004	-0.0003	8.165e-05
5e+12	1.199	1.1997	1.2002	0.00051962	1.1967	1.1978	1.1984	0.00077675	-0.0023	-0.0019	-0.0017	0.0002708
1e+13	1.199	1.1997	1.2007	0.00072284	1.1946	1.1955	1.197	0.00105	-0.0044	-0.0042	-0.0037	0.00033665

Device Test: 6.16; ILKG_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

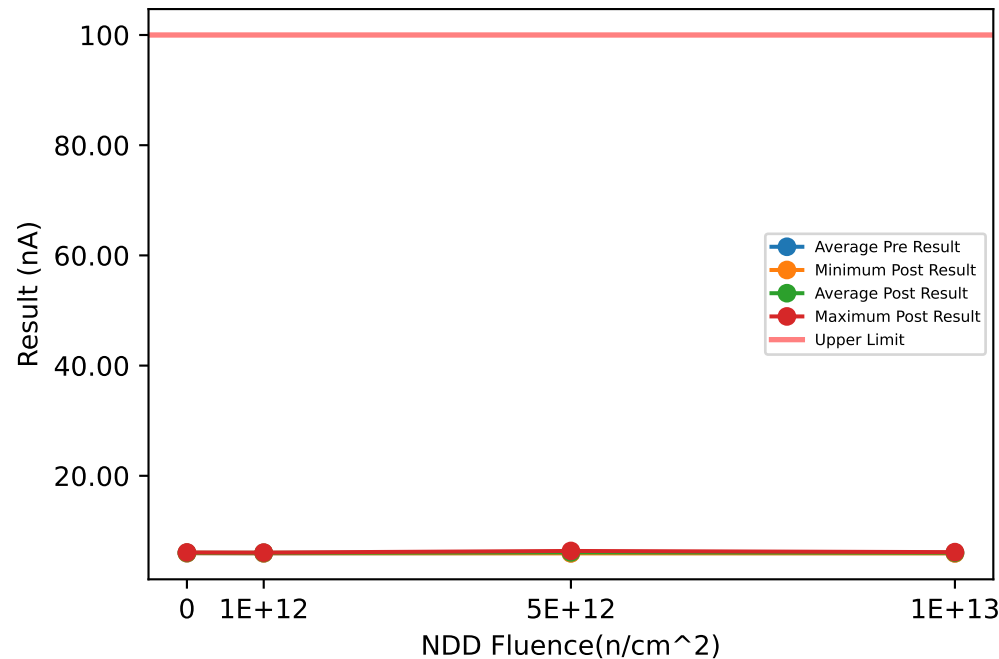
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	6.0145	6.1658	0.1513
315	1e+12	NDD Unbiased	6.1901	6.1755	-0.0146
316	1e+12	NDD Unbiased	5.9901	6.0877	0.0976
317	1e+12	NDD Unbiased	5.7999	6.0633	0.2634
318	5e+12	NDD Unbiased	5.9804	6.1219	0.1415
319	5e+12	NDD Unbiased	6.1267	6.356	0.2293
320	5e+12	NDD Unbiased	5.956	6.2145	0.2585
321	5e+12	NDD Unbiased	6.0584	6.1365	0.0781
322	1e+13	NDD Unbiased	5.995	6.0389	0.0439
323	1e+13	NDD Unbiased	6.2048	6.1755	-0.0293
324	1e+13	NDD Unbiased	5.9462	6.234	0.2878
325	1e+13	NDD Unbiased	5.9901	6.2048	0.2147
326	0	Correlation	5.956	6.1804	0.2244
327	0	Correlation	6.0682	6.1853	0.1171
328	0	Correlation	5.9657	6.0828	0.1171

Test Statistics (nA)

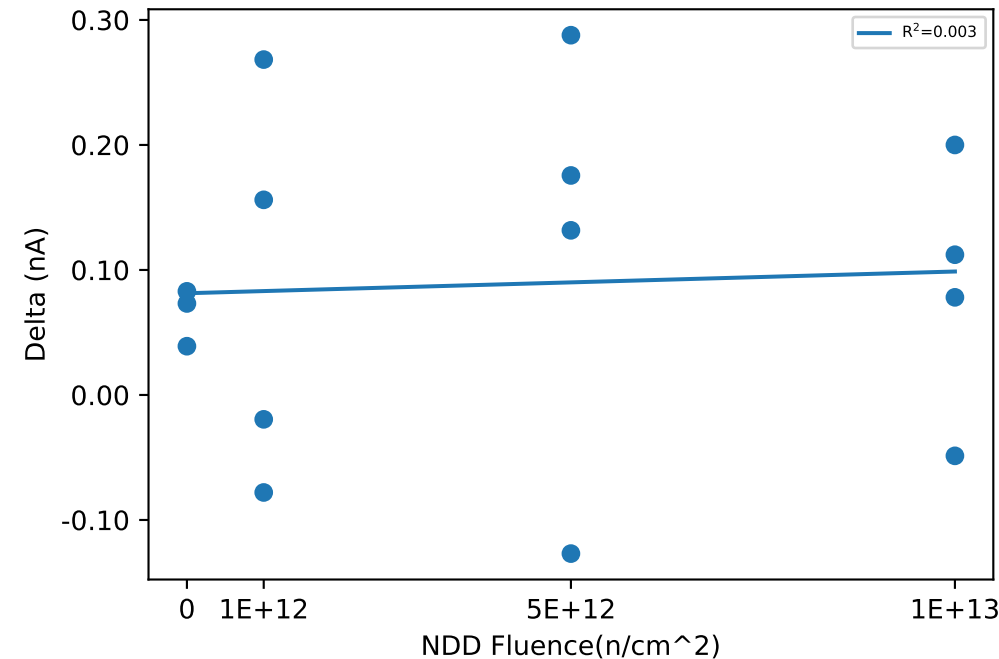
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.956	5.9966	6.0682	0.062168	6.0828	6.1495	6.1853	0.057816	0.1171	0.15287	0.2244	0.06195
1e+12	5.7999	5.9986	6.1901	0.15967	6.0633	6.1231	6.1755	0.055971	-0.0146	0.12443	0.2634	0.11559
5e+12	5.956	6.0304	6.1267	0.07766	6.1219	6.2072	6.356	0.10719	0.0781	0.17685	0.2585	0.0825
1e+13	5.9462	6.034	6.2048	0.11594	6.0389	6.1633	6.234	0.086304	-0.0293	0.12928	0.2878	0.14704

Device Test: 6.17; ILKG_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

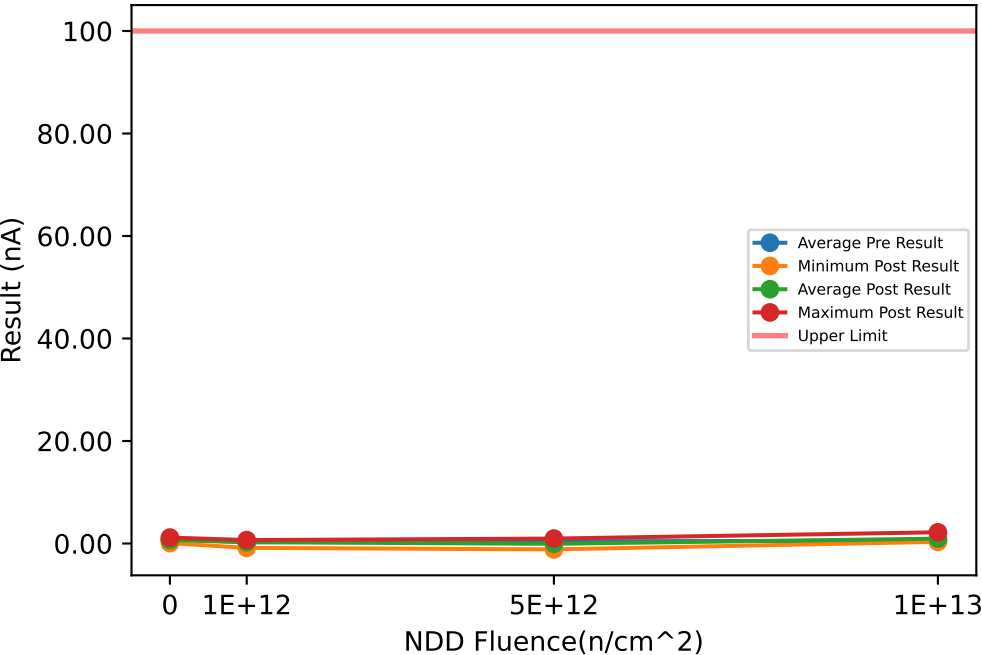
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	5.8975	6.0536	0.1561
315	1e+12	NDD Unbiased	6.1023	6.0243	-0.078
316	1e+12	NDD Unbiased	5.7999	6.0682	0.2683
317	1e+12	NDD Unbiased	5.9511	5.9316	-0.0195
318	5e+12	NDD Unbiased	6.0487	5.9218	-0.1269
319	5e+12	NDD Unbiased	6.0731	6.3609	0.2878
320	5e+12	NDD Unbiased	5.8877	6.0633	0.1756
321	5e+12	NDD Unbiased	5.9023	6.034	0.1317
322	1e+13	NDD Unbiased	5.9657	5.917	-0.0487
323	1e+13	NDD Unbiased	5.9511	6.0292	0.0781
324	1e+13	NDD Unbiased	5.9462	6.1462	0.2
325	1e+13	NDD Unbiased	5.9706	6.0828	0.1122
326	0	Correlation	5.8828	5.956	0.0732
327	0	Correlation	6.0097	6.0926	0.0829
328	0	Correlation	5.995	6.034	0.039

Test Statistics (nA)

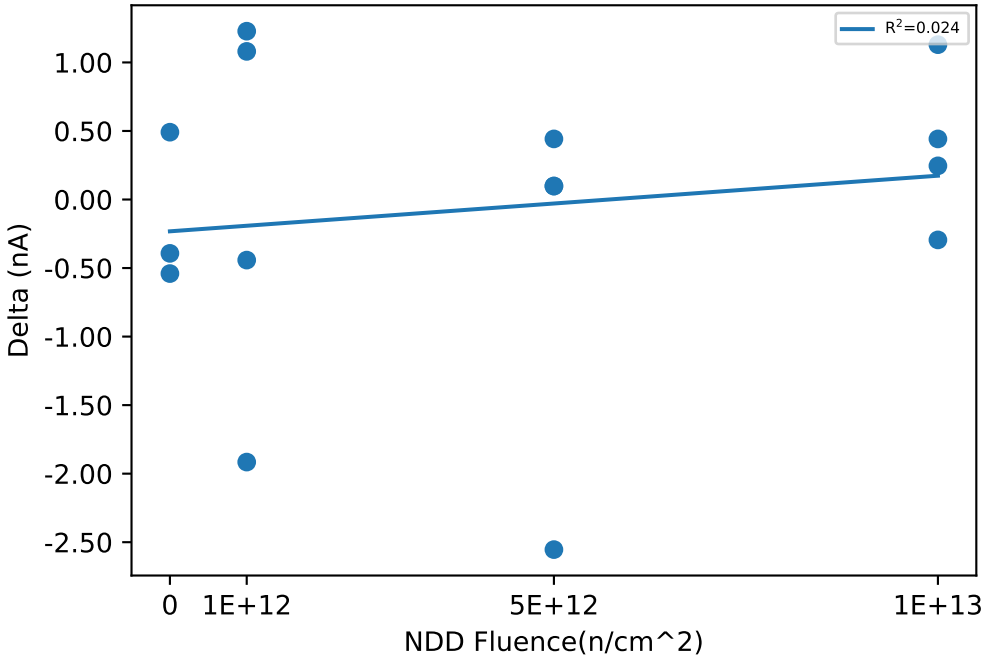
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.8828	5.9625	6.0097	0.069412	5.956	6.0275	6.0926	0.068529	0.039	0.065033	0.0829	0.023061
1e+12	5.7999	5.9377	6.1023	0.12633	5.9316	6.0194	6.0682	0.06133	-0.078	0.081725	0.2683	0.15927
5e+12	5.8877	5.9779	6.0731	0.096483	5.9218	6.095	6.3609	0.18746	-0.1269	0.11705	0.2878	0.17541
1e+13	5.9462	5.9584	5.9706	0.011608	5.917	6.0438	6.1462	0.097122	-0.0487	0.0854	0.2	0.1031

Device Test: 6.18; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

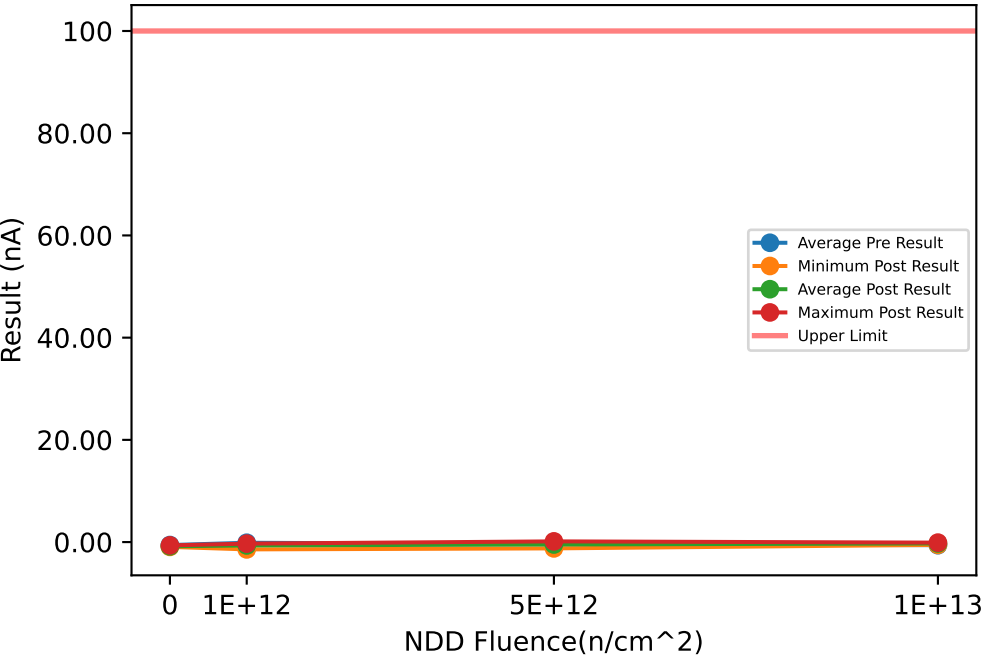
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	-0.5589	0.669	1.2279
315	1e+12	NDD Unbiased	1.0619	-0.8536	-1.9155
316	1e+12	NDD Unbiased	-0.4607	0.6199	1.0806
317	1e+12	NDD Unbiased	1.0128	0.5708	-0.442
318	5e+12	NDD Unbiased	0.5216	0.9637	0.4421
319	5e+12	NDD Unbiased	1.4057	-1.1483	-2.554
320	5e+12	NDD Unbiased	-0.9518	-0.8536	0.0982
321	5e+12	NDD Unbiased	0.7181	0.8163	0.0982
322	1e+13	NDD Unbiased	1.0128	0.7181	-0.2947
323	1e+13	NDD Unbiased	1.0619	2.1915	1.1296
324	1e+13	NDD Unbiased	0.3252	0.5708	0.2456
325	1e+13	NDD Unbiased	-0.1168	0.3252	0.442
326	0	Correlation	0.6199	0.0796	-0.5403
327	0	Correlation	1.2092	0.8163	-0.3929
328	0	Correlation	0.669	1.1601	0.4911

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	0.6199	0.8327	1.2092	0.32698	0.0796	0.68533	1.1601	0.55203	-0.5403	-0.14737	0.4911	0.55782
1e+12	-0.5589	0.26377	1.0619	0.89437	-0.8536	0.25152	0.669	0.73784	-1.9155	-0.01225	1.2279	1.4764
5e+12	-0.9518	0.4234	1.4057	0.99207	-1.1483	-0.055475	0.9637	1.1	-2.554	-0.47888	0.4421	1.3929
1e+13	-0.1168	0.57078	1.0619	0.56852	0.3252	0.9514	2.1915	0.84247	-0.2947	0.38062	1.1296	0.58851

Device Test: 6.19; ILKG_SENSE

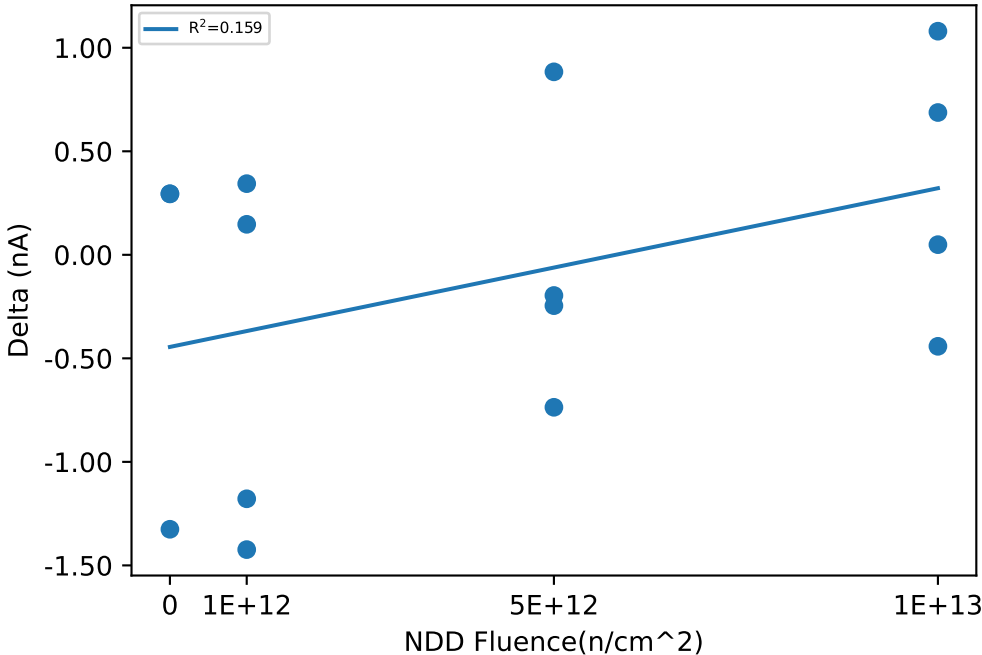
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	-0.694	-0.3503	0.3437
315	1e+12	NDD Unbiased	-0.694	-0.5467	0.1473
316	1e+12	NDD Unbiased	-0.0067	-1.4304	-1.4237
317	1e+12	NDD Unbiased	0.877	-0.3013	-1.1783
318	5e+12	NDD Unbiased	0.0424	-0.2031	-0.2455
319	5e+12	NDD Unbiased	-0.3994	-0.5958	-0.1964
320	5e+12	NDD Unbiased	-0.7431	0.1406	0.8837
321	5e+12	NDD Unbiased	-0.4976	-1.234	-0.7364
322	1e+13	NDD Unbiased	0.1897	-0.2522	-0.4419
323	1e+13	NDD Unbiased	-1.1849	-0.1049	1.08
324	1e+13	NDD Unbiased	-1.234	-0.5467	0.6873
325	1e+13	NDD Unbiased	-0.2031	-0.154	0.0491
326	0	Correlation	-0.9395	-0.6449	0.2946
327	0	Correlation	0.386	-0.9395	-1.3255
328	0	Correlation	-1.1849	-0.8904	0.2945

NDD vs Post - Pre Exposure Delta

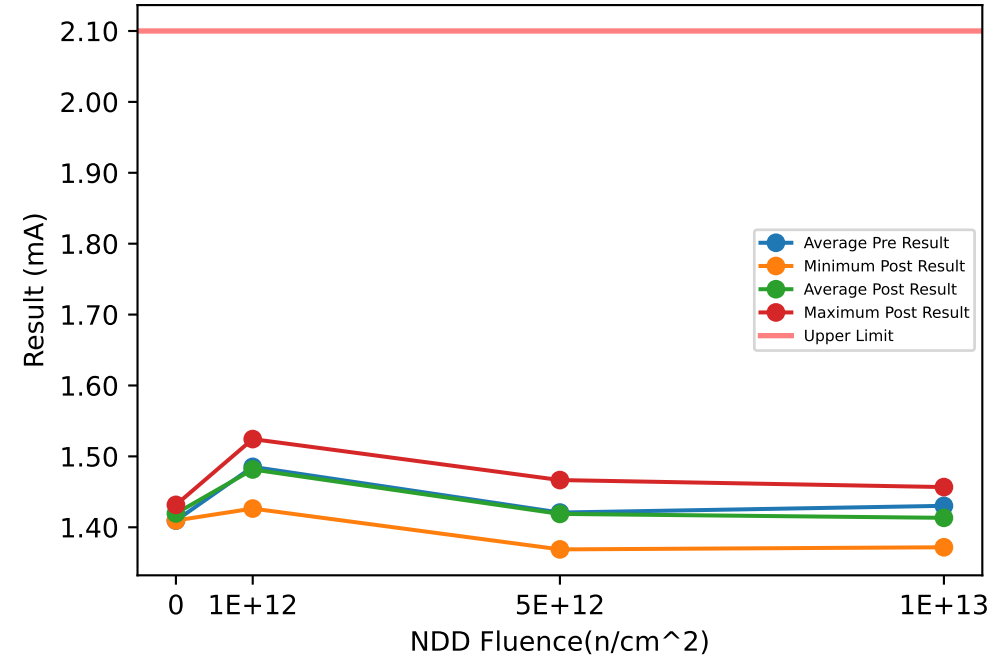


Test Statistics (nA)

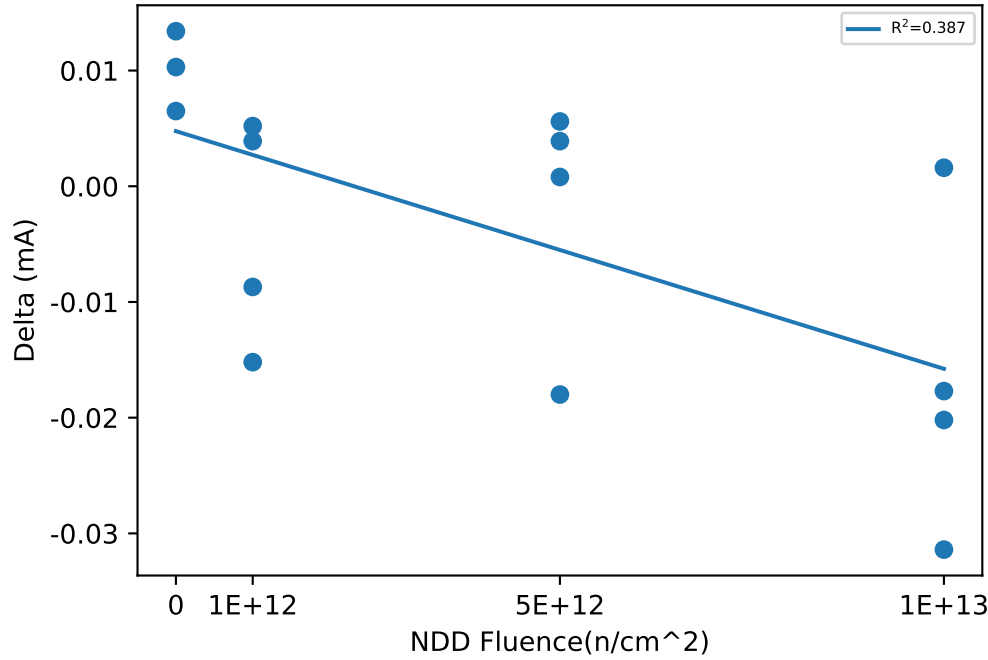
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-1.1849	-0.57947	0.386	0.84507	-0.9395	-0.82493	-0.6449	0.15783	-1.3255	-0.24547	0.2946	0.93534
1e+12	-0.694	-0.12942	0.877	0.74508	-1.4304	-0.65717	-0.3013	0.52628	-1.4237	-0.52775	0.3437	0.90205
5e+12	-0.7431	-0.39942	0.0424	0.32811	-1.234	-0.47308	0.1406	0.58979	-0.7364	-0.07365	0.8837	0.68322
1e+13	-1.234	-0.60808	0.1897	0.71297	-0.5467	-0.26445	-0.1049	0.19788	-0.4419	0.34363	1.08	0.67433

Device Test: 6.2; ISD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.1 (mA))

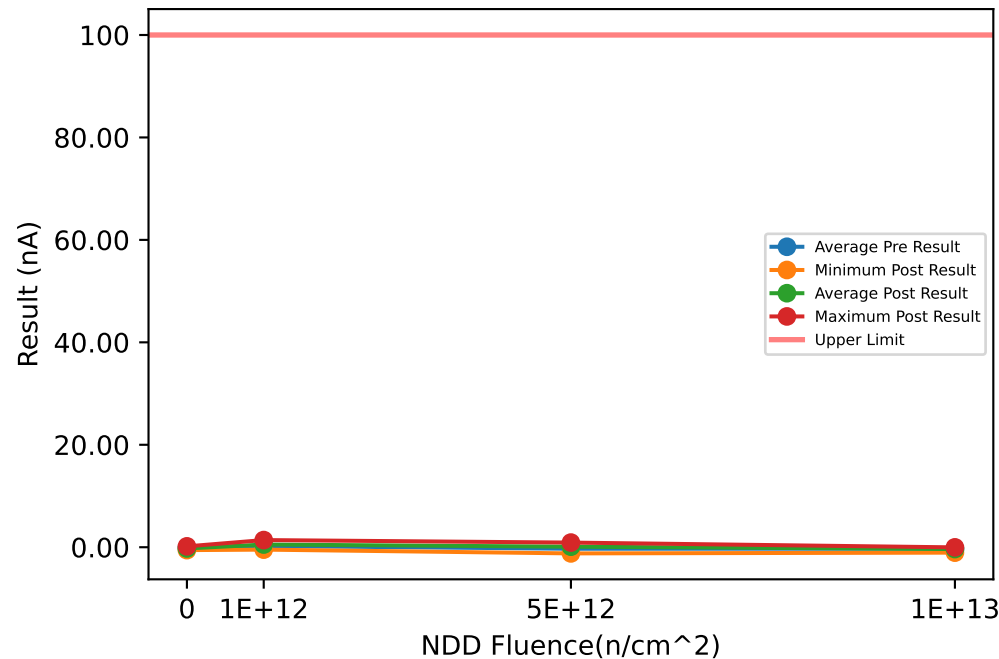
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.5396	1.5244	-0.0152
315	1e+12	NDD Unbiased	1.4351	1.4264	-0.0087
316	1e+12	NDD Unbiased	1.5183	1.5222	0.0039
317	1e+12	NDD Unbiased	1.4479	1.4531	0.0052
318	5e+12	NDD Unbiased	1.434	1.4348	0.0008
319	5e+12	NDD Unbiased	1.4013	1.4052	0.0039
320	5e+12	NDD Unbiased	1.461	1.4666	0.0056
321	5e+12	NDD Unbiased	1.3868	1.3688	-0.018
322	1e+13	NDD Unbiased	1.4478	1.4494	0.0016
323	1e+13	NDD Unbiased	1.4068	1.3754	-0.0314
324	1e+13	NDD Unbiased	1.3895	1.3718	-0.0177
325	1e+13	NDD Unbiased	1.4769	1.4567	-0.0202
326	0	Correlation	1.407	1.4173	0.0103
327	0	Correlation	1.4251	1.4316	0.0065
328	0	Correlation	1.3962	1.4096	0.0134

Test Statistics (mA)

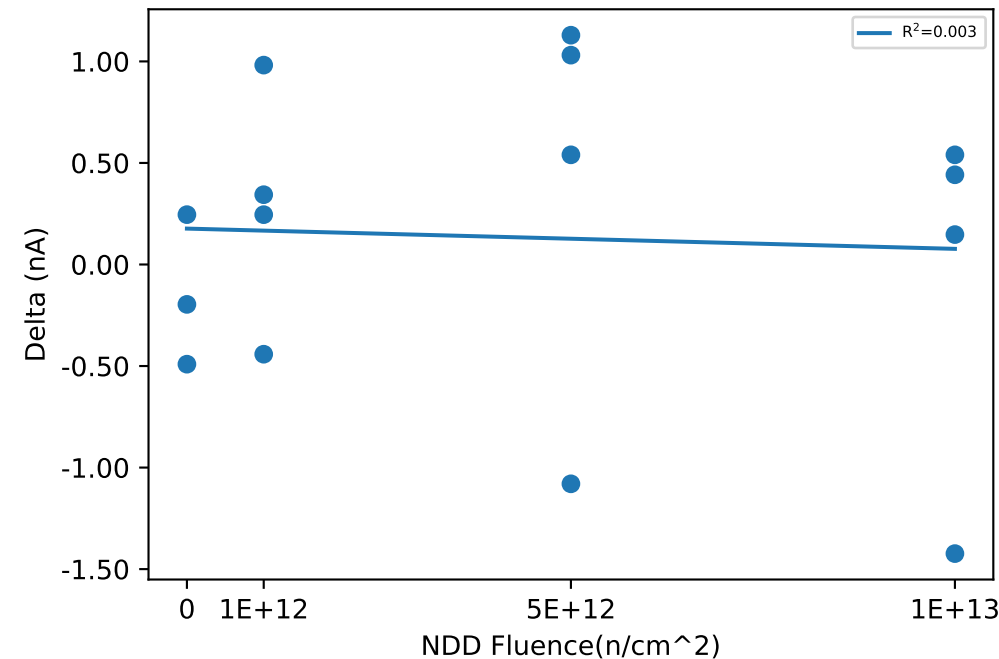
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3962	1.4094	1.4251	0.014603	1.4096	1.4195	1.4316	0.011164	0.0065	0.010067	0.0134	0.0034559
1e+12	1.4351	1.4852	1.5396	0.051498	1.4264	1.4815	1.5244	0.049462	-0.0152	-0.0037	0.0052	0.0099032
5e+12	1.3868	1.4208	1.461	0.033299	1.3688	1.4188	1.4666	0.041736	-0.018	-0.001925	0.0056	0.010899
1e+13	1.3895	1.4303	1.4769	0.039559	1.3718	1.4133	1.4567	0.045991	-0.0314	-0.016925	0.0016	0.013712

Device Test: 6.20; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

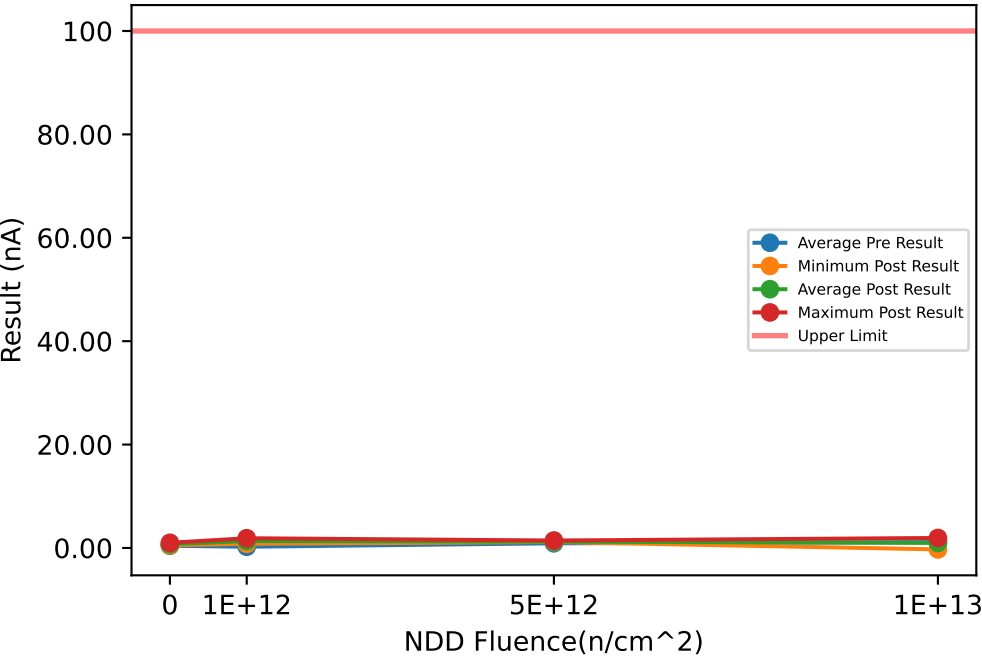
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.4155	1.3973	0.9818
315	1e+12	NDD Unbiased	-0.8118	-0.4681	0.3437
316	1e+12	NDD Unbiased	0.5628	0.8082	0.2454
317	1e+12	NDD Unbiased	0.8082	0.3664	-0.4418
318	5e+12	NDD Unbiased	0.3664	0.9064	0.54
319	5e+12	NDD Unbiased	-0.4681	0.5628	1.0309
320	5e+12	NDD Unbiased	-0.9591	0.17	1.1291
321	5e+12	NDD Unbiased	-0.1245	-1.2045	-1.08
322	1e+13	NDD Unbiased	-0.3209	-0.1736	0.1473
323	1e+13	NDD Unbiased	-0.5663	-0.0263	0.54
324	1e+13	NDD Unbiased	0.3664	-1.0572	-1.4236
325	1e+13	NDD Unbiased	-0.6154	-0.1736	0.4418
326	0	Correlation	-0.8118	-0.5663	0.2455
327	0	Correlation	0.3664	0.17	-0.1964
328	0	Correlation	0.17	-0.3209	-0.4909

Test Statistics (nA)

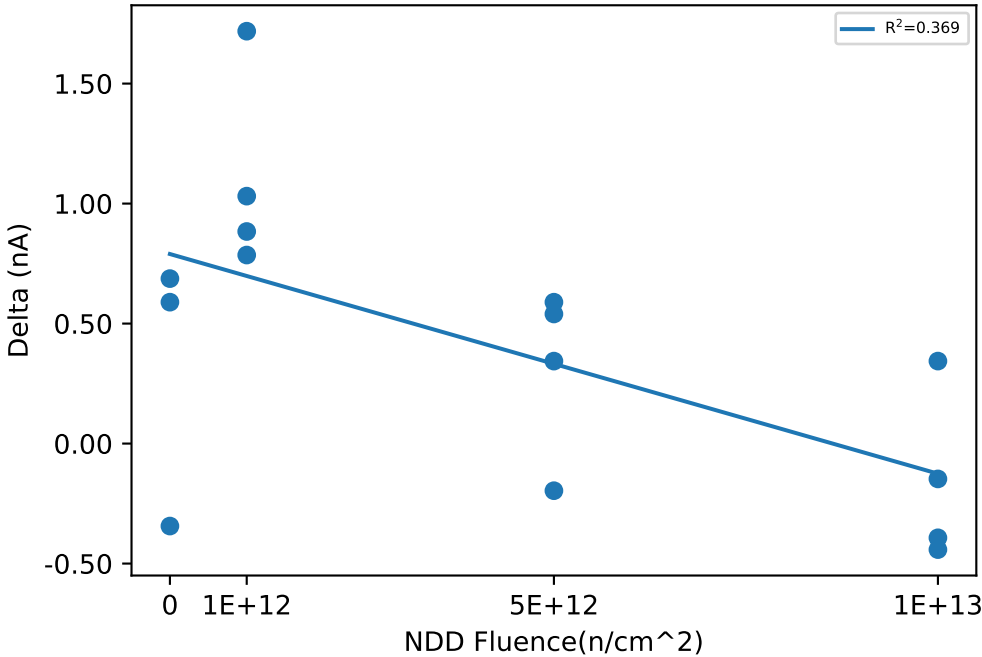
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.8118	-0.0918	0.3664	0.63122	-0.5663	-0.23907	0.17	0.37491	-0.4909	-0.14727	0.2455	0.37065
1e+12	-0.8118	0.24368	0.8082	0.72205	-0.4681	0.52595	1.3973	0.78581	-0.4418	0.28227	0.9818	0.58274
5e+12	-0.9591	-0.29633	0.3664	0.55902	-1.2045	0.10868	0.9064	0.9257	-1.08	0.405	1.1291	1.023
1e+13	-0.6154	-0.28405	0.3664	0.45236	-1.0572	-0.35767	-0.0263	0.47149	-1.4236	-0.073625	0.54	0.91532

Device Test: 6.21; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

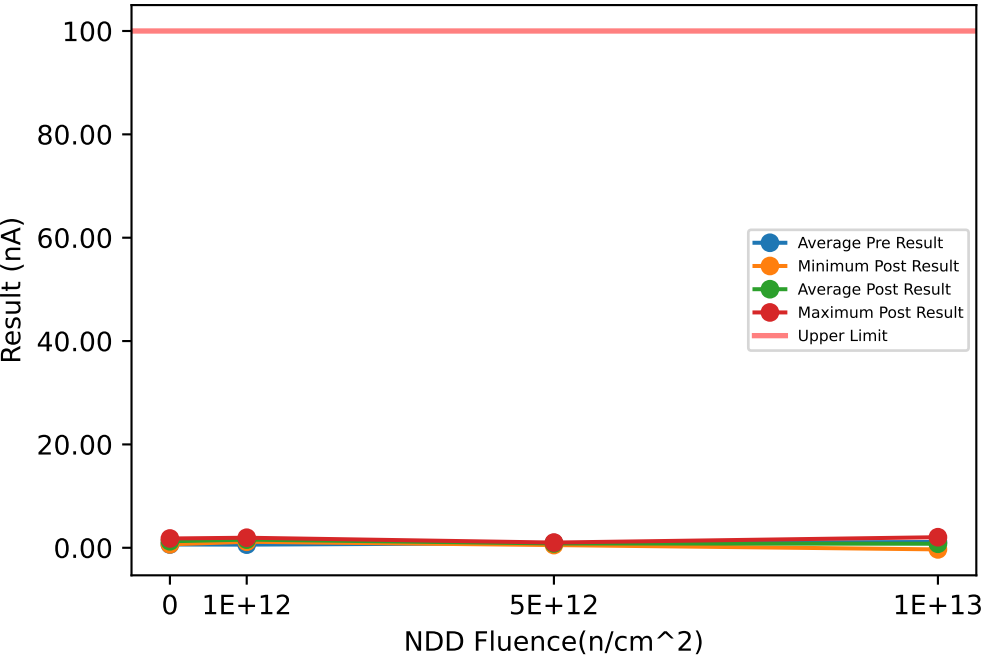
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.0156	0.8012	0.7856
315	1e+12	NDD Unbiased	-0.1807	1.5376	1.7183
316	1e+12	NDD Unbiased	0.8503	1.8813	1.031
317	1e+12	NDD Unbiased	0.2611	1.1448	0.8837
318	5e+12	NDD Unbiased	0.8012	1.1448	0.3436
319	5e+12	NDD Unbiased	0.6048	1.1448	0.54
320	5e+12	NDD Unbiased	1.6358	1.4394	-0.1964
321	5e+12	NDD Unbiased	0.5557	1.1448	0.5891
322	1e+13	NDD Unbiased	1.5867	1.9304	0.3437
323	1e+13	NDD Unbiased	1.1939	0.7521	-0.4418
324	1e+13	NDD Unbiased	1.6358	1.4885	-0.1473
325	1e+13	NDD Unbiased	0.1138	-0.2789	-0.3927
326	0	Correlation	0.3102	0.9976	0.6874
327	0	Correlation	1.0467	0.703	-0.3437
328	0	Correlation	-0.0826	0.5066	0.5892

Test Statistics (nA)

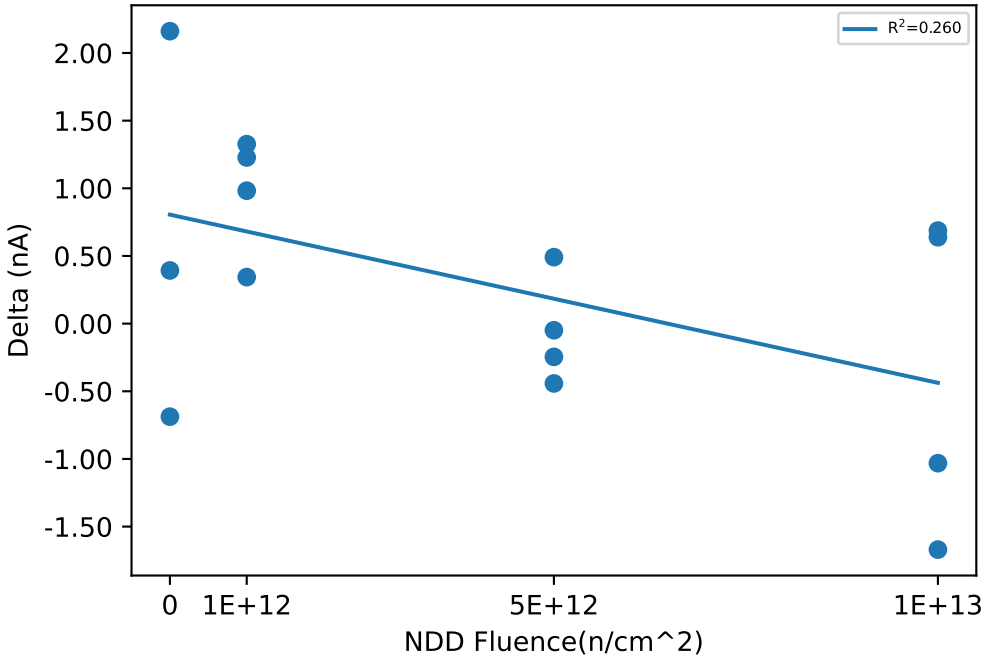
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.0826	0.42477	1.0467	0.5733	0.5066	0.73573	0.9976	0.24713	-0.3437	0.31097	0.6874	0.56908
1e+12	-0.1807	0.23657	0.8503	0.44729	0.8012	1.3412	1.8813	0.4692	0.7856	1.1047	1.7183	0.42135
5e+12	0.5557	0.89937	1.6358	0.50228	1.1448	1.2185	1.4394	0.1473	-0.1964	0.31908	0.5891	0.35965
1e+13	0.1138	1.1325	1.6358	0.70737	-0.2789	0.97302	1.9304	0.96582	-0.4418	-0.15953	0.3437	0.35937

Device Test: 6.22; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

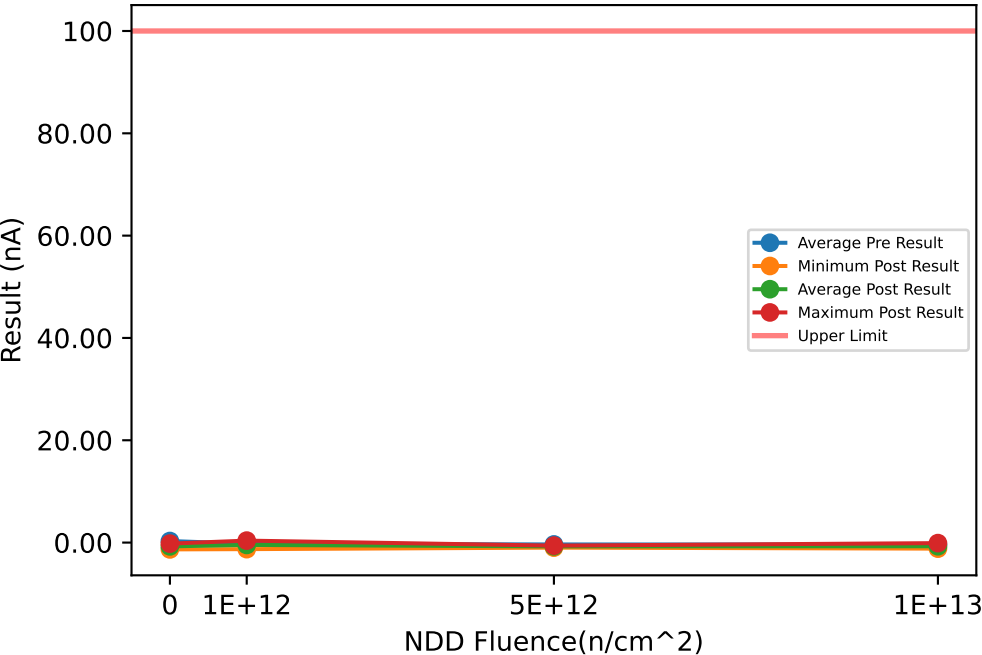
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1778	1.1601	0.9823
315	1e+12	NDD Unbiased	1.111	1.4548	0.3438
316	1e+12	NDD Unbiased	0.6199	1.946	1.3261
317	1e+12	NDD Unbiased	0.5216	1.7495	1.2279
318	5e+12	NDD Unbiased	0.7672	0.5216	-0.2456
319	5e+12	NDD Unbiased	0.3743	0.8654	0.4911
320	5e+12	NDD Unbiased	1.4057	0.9637	-0.442
321	5e+12	NDD Unbiased	1.0619	1.0128	-0.0491
322	1e+13	NDD Unbiased	1.0128	-0.0186	-1.0314
323	1e+13	NDD Unbiased	0.7181	1.4057	0.6876
324	1e+13	NDD Unbiased	1.3566	-0.3133	-1.6699
325	1e+13	NDD Unbiased	1.4057	2.0442	0.6385
326	0	Correlation	1.3566	0.669	-0.6876
327	0	Correlation	0.9146	1.3075	0.3929
328	0	Correlation	-0.3624	1.7986	2.161

Test Statistics (nA)

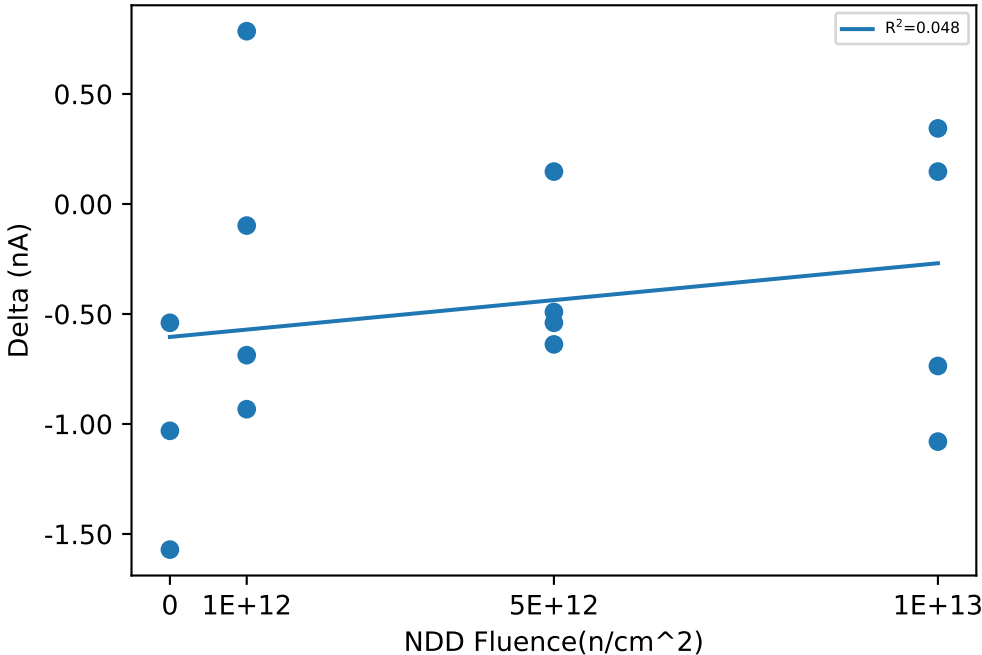
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.3624	0.63627	1.3566	0.89266	0.669	1.2584	1.7986	0.5664	-0.6876	0.6221	2.161	1.4381
1e+12	0.1778	0.60757	1.111	0.38544	1.1601	1.5776	1.946	0.34383	0.3438	0.97002	1.3261	0.44181
5e+12	0.3743	0.90227	1.4057	0.43815	0.5216	0.84087	1.0128	0.2215	-0.442	-0.0614	0.4911	0.40174
1e+13	0.7181	1.1233	1.4057	0.32175	-0.3133	0.7795	2.0442	1.1288	-1.6699	-0.3438	0.6876	1.1916

Device Test: 6.23; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

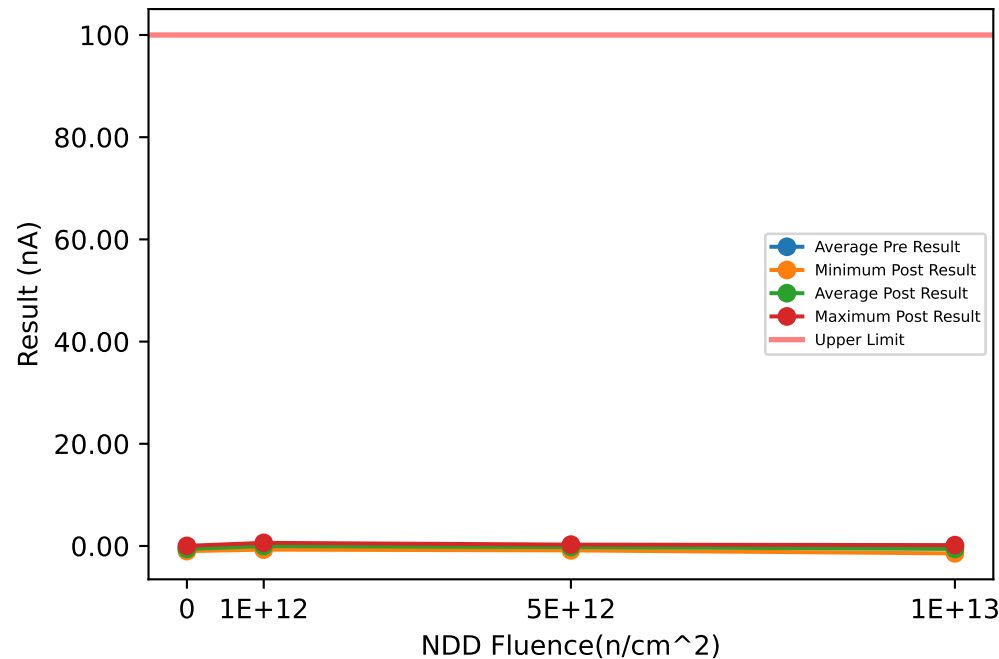
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	-0.5958	-1.2831	-0.6873
315	1e+12	NDD Unbiased	-0.3994	0.386	0.7854
316	1e+12	NDD Unbiased	-0.2522	-0.3503	-0.0981
317	1e+12	NDD Unbiased	0.337	-0.5958	-0.9328
318	5e+12	NDD Unbiased	-0.0067	-0.6449	-0.6382
319	5e+12	NDD Unbiased	-0.2522	-0.7431	-0.4909
320	5e+12	NDD Unbiased	-1.1358	-0.9885	0.1473
321	5e+12	NDD Unbiased	-0.0558	-0.5958	-0.54
322	1e+13	NDD Unbiased	-0.4485	-1.1849	-0.7364
323	1e+13	NDD Unbiased	-0.9885	-0.6449	0.3436
324	1e+13	NDD Unbiased	-0.2522	-0.1049	0.1473
325	1e+13	NDD Unbiased	0.1406	-0.9395	-1.0801
326	0	Correlation	0.337	-0.2031	-0.5401
327	0	Correlation	0.2388	-1.3322	-1.571
328	0	Correlation	0.337	-0.694	-1.031

Test Statistics (nA)

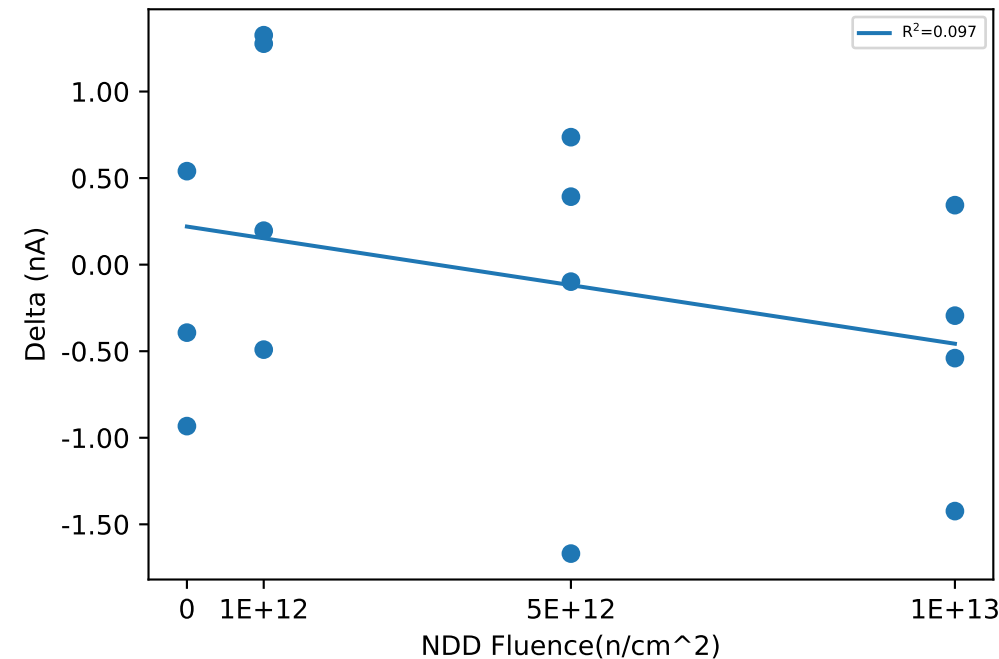
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2388	0.30427	0.337	0.056696	-1.3322	-0.7431	-0.2031	0.56615	-1.571	-1.0474	-0.5401	0.51564
1e+12	-0.5958	-0.2276	0.337	0.40186	-1.2831	-0.4608	0.386	0.68888	-0.9328	-0.2332	0.7854	0.76408
5e+12	-1.1358	-0.36262	-0.0067	0.52625	-0.9885	-0.74308	-0.5958	0.1747	-0.6382	-0.38045	0.1473	0.35712
1e+13	-0.9885	-0.38715	0.1406	0.46979	-1.1849	-0.71855	-0.1049	0.46486	-1.0801	-0.3314	0.3436	0.68541

Device Test: 6.24; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



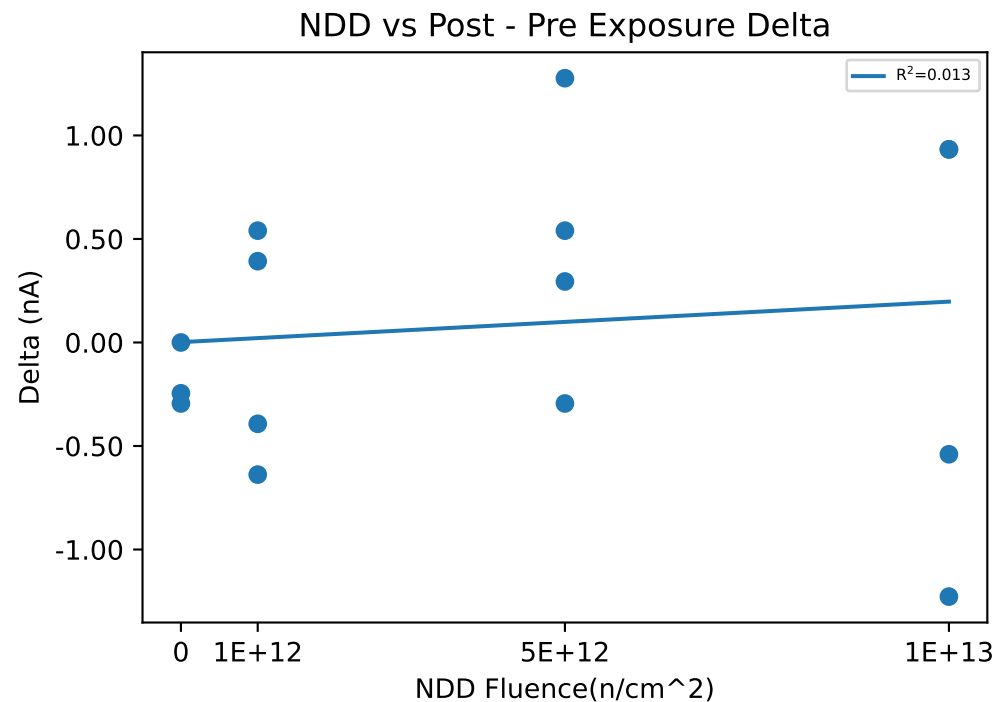
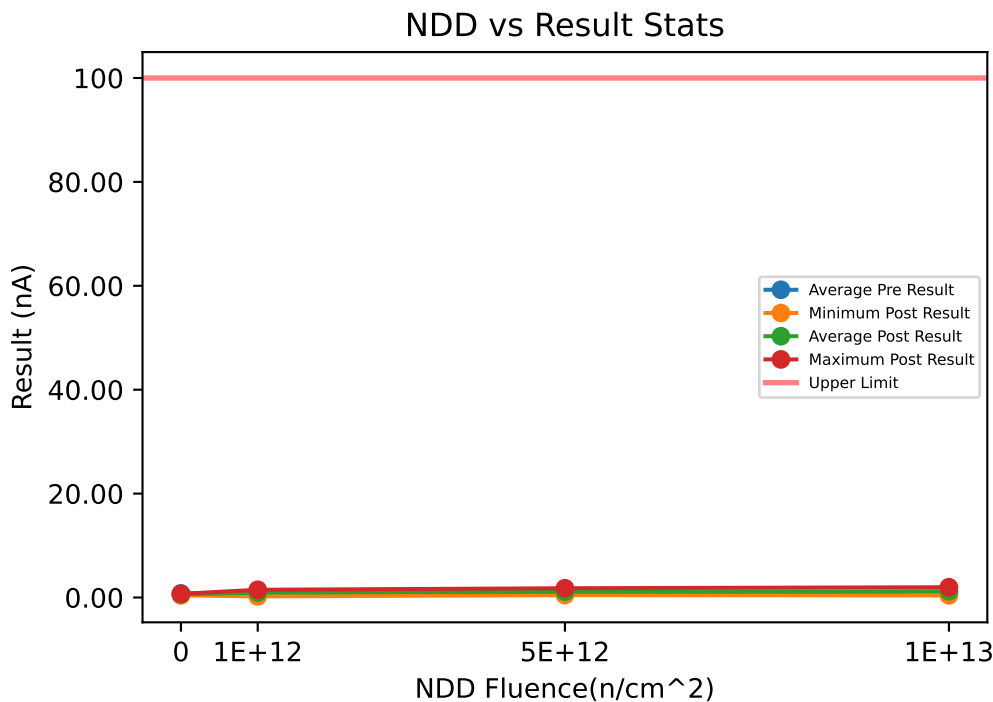
Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.4155	0.6118	0.1963
315	1e+12	NDD Unbiased	-1.45	-0.1736	1.2764
316	1e+12	NDD Unbiased	-1.1063	0.2191	1.3254
317	1e+12	NDD Unbiased	-0.2227	-0.7136	-0.4909
318	5e+12	NDD Unbiased	0.8082	-0.8609	-1.6691
319	5e+12	NDD Unbiased	-0.2718	0.1209	0.3927
320	5e+12	NDD Unbiased	-0.4681	0.2682	0.7363
321	5e+12	NDD Unbiased	-0.2718	-0.37	-0.0982
322	1e+13	NDD Unbiased	-0.91	-1.45	-0.54
323	1e+13	NDD Unbiased	-0.0263	-0.3209	-0.2946
324	1e+13	NDD Unbiased	0.71	-0.7136	-1.4236
325	1e+13	NDD Unbiased	-0.1736	0.17	0.3436
326	0	Correlation	-0.37	-0.7627	-0.3927
327	0	Correlation	-0.5172	0.0228	0.54
328	0	Correlation	-0.0754	-1.0081	-0.9327

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	-0.5172	-0.32087	-0.0754	0.22496	-1.0081	-0.58267	0.0228	0.53851	-0.9327	-0.2618	0.54	0.74503
1e+12	-1.45	-0.59088	0.4155	0.84698	-0.7136	-0.014075	0.6118	0.56594	-0.4909	0.5768	1.3254	0.88216
5e+12	-0.4681	-0.050875	0.8082	0.58014	-0.8609	-0.21045	0.2682	0.51233	-1.6691	-0.15958	0.7363	1.063
1e+13	-0.91	-0.099975	0.71	0.66409	-1.45	-0.57862	0.17	0.6842	-1.4236	-0.47865	0.3436	0.73182

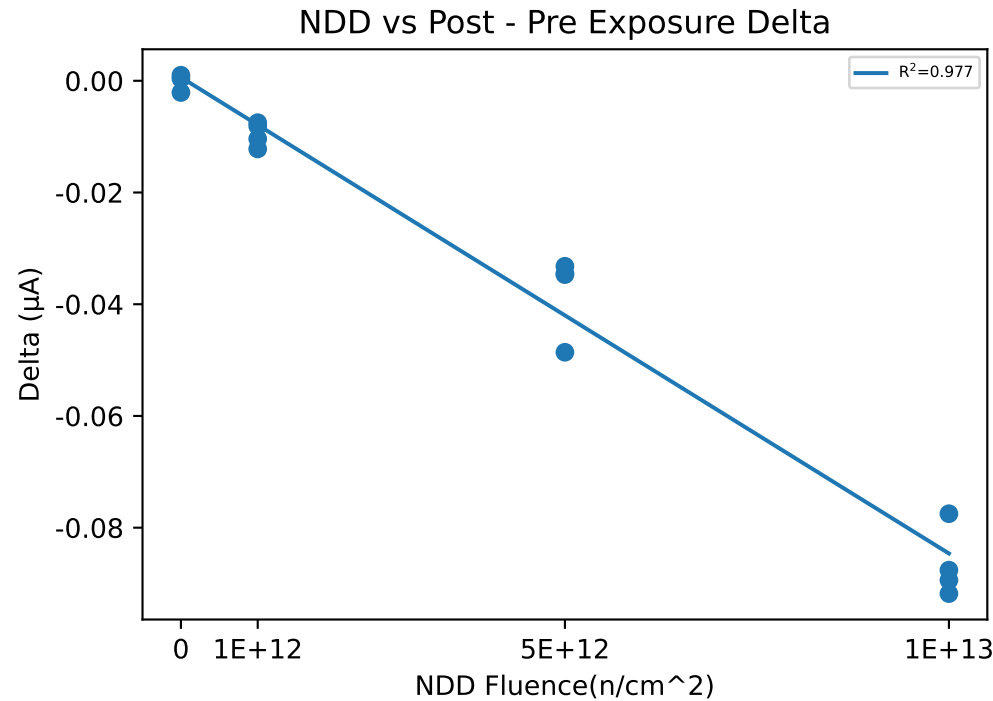
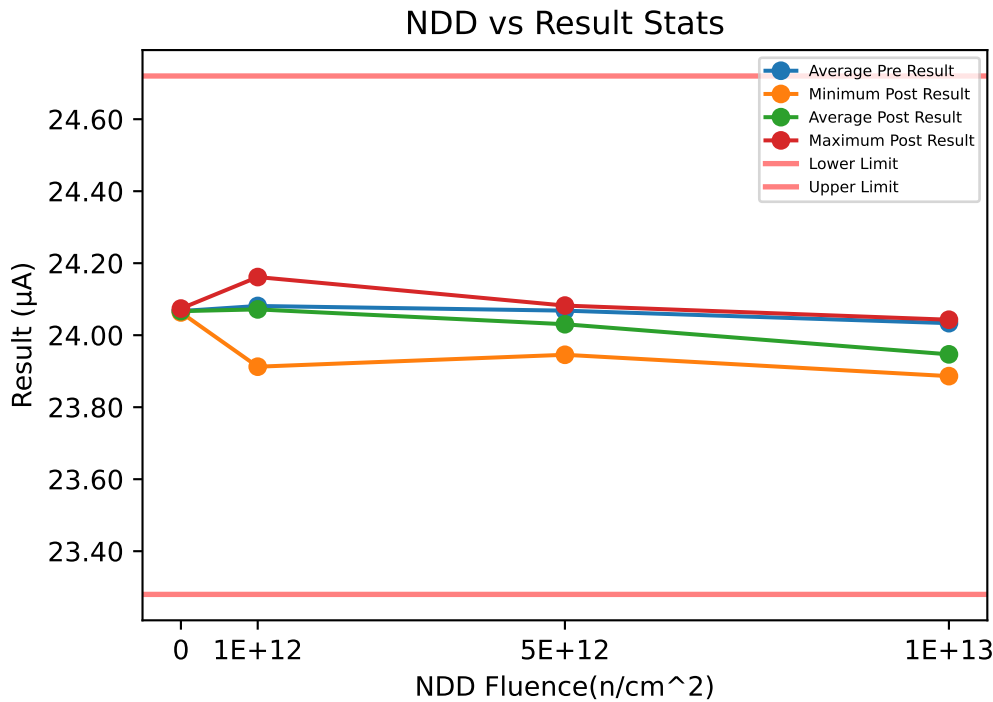
Device Test: 6.25; ILKG_SENSE



Test Results (Upper Limit = 100.0 (nA))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.6048	0.212	-0.3928
315	1e+12	NDD Unbiased	1.0958	1.4885	0.3927
316	1e+12	NDD Unbiased	1.6358	0.9976	-0.6382
317	1e+12	NDD Unbiased	0.5557	1.0958	0.5401
318	5e+12	NDD Unbiased	1.7831	1.4885	-0.2946
319	5e+12	NDD Unbiased	-0.0826	0.4575	0.5401
320	5e+12	NDD Unbiased	0.4575	0.7521	0.2946
321	5e+12	NDD Unbiased	0.5066	1.7831	1.2765
322	1e+13	NDD Unbiased	1.6358	0.4084	-1.2274
323	1e+13	NDD Unbiased	0.7521	1.6849	0.9328
324	1e+13	NDD Unbiased	1.1939	0.6539	-0.54
325	1e+13	NDD Unbiased	1.0467	1.9795	0.9328
326	0	Correlation	0.703	0.703	0
327	0	Correlation	0.9485	0.703	-0.2455
328	0	Correlation	0.703	0.4084	-0.2946

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	0.703	0.78483	0.9485	0.14174	0.4084	0.6048	0.703	0.17009	-0.2946	-0.18003	0	0.15783
1e+12	0.5557	0.97303	1.6358	0.50468	0.212	0.94847	1.4885	0.53483	-0.6382	-0.02455	0.5401	0.57882
5e+12	-0.0826	0.66615	1.7831	0.79103	0.4575	1.1203	1.7831	0.61907	-0.2946	0.45415	1.2765	0.65057
1e+13	0.7521	1.1571	1.6358	0.3682	0.4084	1.1817	1.9795	0.7673	-1.2274	0.02455	0.9328	1.0857

Device Test: 6.26; IHYS



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

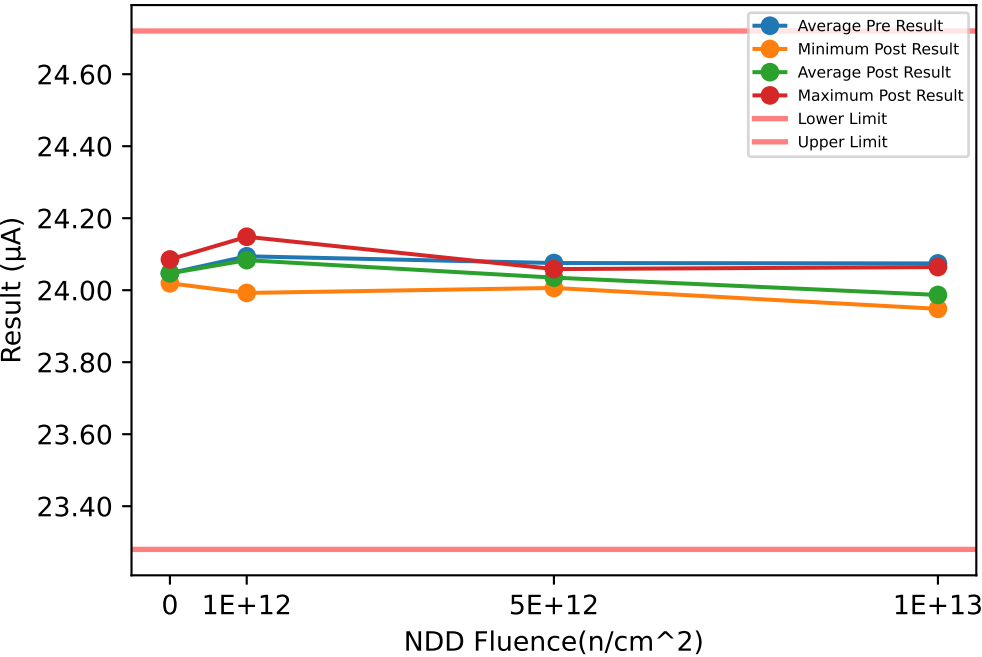
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.921	23.913	-0.0081
315	1e+12	NDD Unbiased	24.174	24.162	-0.0122
316	1e+12	NDD Unbiased	24.126	24.116	-0.0104
317	1e+12	NDD Unbiased	24.104	24.097	-0.0075
318	5e+12	NDD Unbiased	24.11	24.076	-0.0332
319	5e+12	NDD Unbiased	24.117	24.082	-0.0347
320	5e+12	NDD Unbiased	23.98	23.946	-0.0345
321	5e+12	NDD Unbiased	24.066	24.018	-0.0486
322	1e+13	NDD Unbiased	24.12	24.043	-0.0775
323	1e+13	NDD Unbiased	24.051	23.959	-0.0918
324	1e+13	NDD Unbiased	23.986	23.899	-0.0876
325	1e+13	NDD Unbiased	23.976	23.886	-0.0894
326	0	Correlation	24.074	24.074	0.0004
327	0	Correlation	24.065	24.063	-0.0021
328	0	Correlation	24.062	24.063	0.001

Test Statistics (µA)

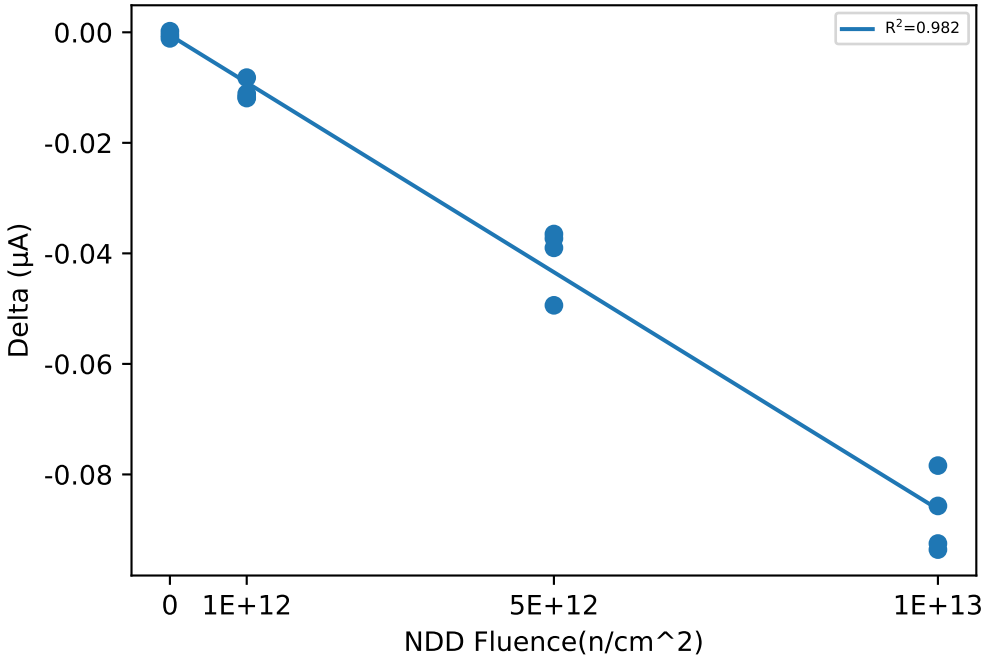
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.062	24.067	24.074	0.0058943	24.063	24.067	24.074	0.0062354	-0.0021	-0.00023333	0.001	0.0016442
1e+12	23.921	24.081	24.174	0.11091	23.913	24.072	24.162	0.10951	-0.0122	-0.00955	-0.0075	0.0021641
5e+12	23.98	24.068	24.117	0.062856	23.946	24.03	24.082	0.063653	-0.0486	-0.03775	-0.0332	0.0072638
1e+13	23.976	24.033	24.12	0.066984	23.886	23.947	24.043	0.07164	-0.0918	-0.086575	-0.0775	0.0062899

Device Test: 6.27; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

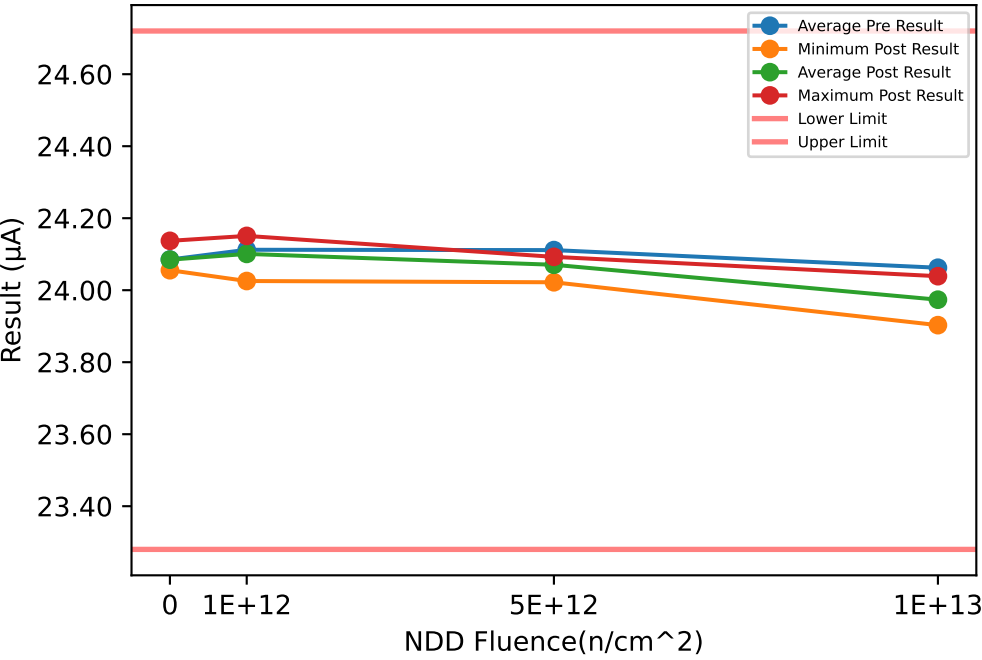
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	24.004	23.992	-0.0117
315	1e+12	NDD Unbiased	24.11	24.098	-0.0119
316	1e+12	NDD Unbiased	24.16	24.148	-0.0111
317	1e+12	NDD Unbiased	24.103	24.095	-0.0082
318	5e+12	NDD Unbiased	24.074	24.038	-0.0365
319	5e+12	NDD Unbiased	24.098	24.059	-0.039
320	5e+12	NDD Unbiased	24.074	24.037	-0.0373
321	5e+12	NDD Unbiased	24.056	24.006	-0.0494
322	1e+13	NDD Unbiased	24.143	24.064	-0.0784
323	1e+13	NDD Unbiased	24.074	23.982	-0.0925
324	1e+13	NDD Unbiased	24.034	23.948	-0.0857
325	1e+13	NDD Unbiased	24.047	23.953	-0.0936
326	0	Correlation	24.02	24.019	-0.0005
327	0	Correlation	24.037	24.036	-0.0011
328	0	Correlation	24.085	24.085	0.0002

Test Statistics (µA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.02	24.047	24.085	0.033913	24.019	24.047	24.085	0.034396	-0.0011	-0.00046667	0.0002	0.00065064
1e+12	24.004	24.094	24.16	0.065092	23.992	24.083	24.148	0.065458	-0.0119	-0.010725	-0.0082	0.0017173
5e+12	24.056	24.076	24.098	0.017203	24.006	24.035	24.059	0.021582	-0.0494	-0.04055	-0.0365	0.0059914
1e+13	24.034	24.074	24.143	0.048451	23.948	23.987	24.064	0.053617	-0.0936	-0.08755	-0.0784	0.0070297

Device Test: 6.28; IHYS

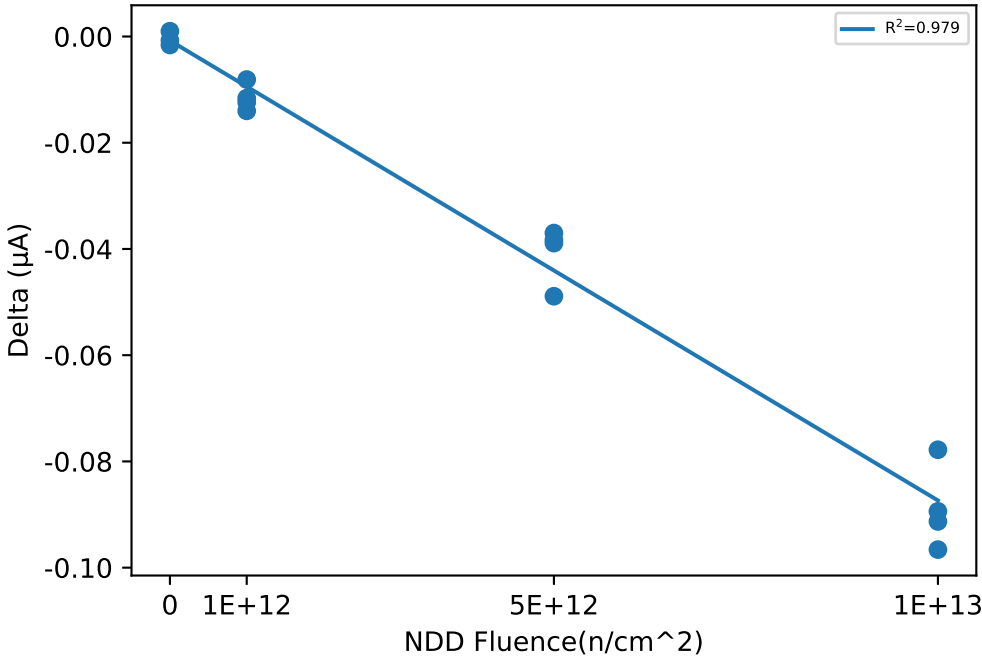
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	24.037	24.026	-0.0116
315	1e+12	NDD Unbiased	24.165	24.151	-0.014
316	1e+12	NDD Unbiased	24.121	24.109	-0.0124
317	1e+12	NDD Unbiased	24.126	24.118	-0.0081
318	5e+12	NDD Unbiased	24.126	24.089	-0.037
319	5e+12	NDD Unbiased	24.131	24.093	-0.0389
320	5e+12	NDD Unbiased	24.06	24.022	-0.0383
321	5e+12	NDD Unbiased	24.127	24.078	-0.0489
322	1e+13	NDD Unbiased	24.117	24.039	-0.0778
323	1e+13	NDD Unbiased	24.085	23.994	-0.0913
324	1e+13	NDD Unbiased	23.992	23.903	-0.0894
325	1e+13	NDD Unbiased	24.055	23.959	-0.0966
326	0	Correlation	24.055	24.055	0.001
327	0	Correlation	24.062	24.062	-0.0007
328	0	Correlation	24.139	24.137	-0.0016

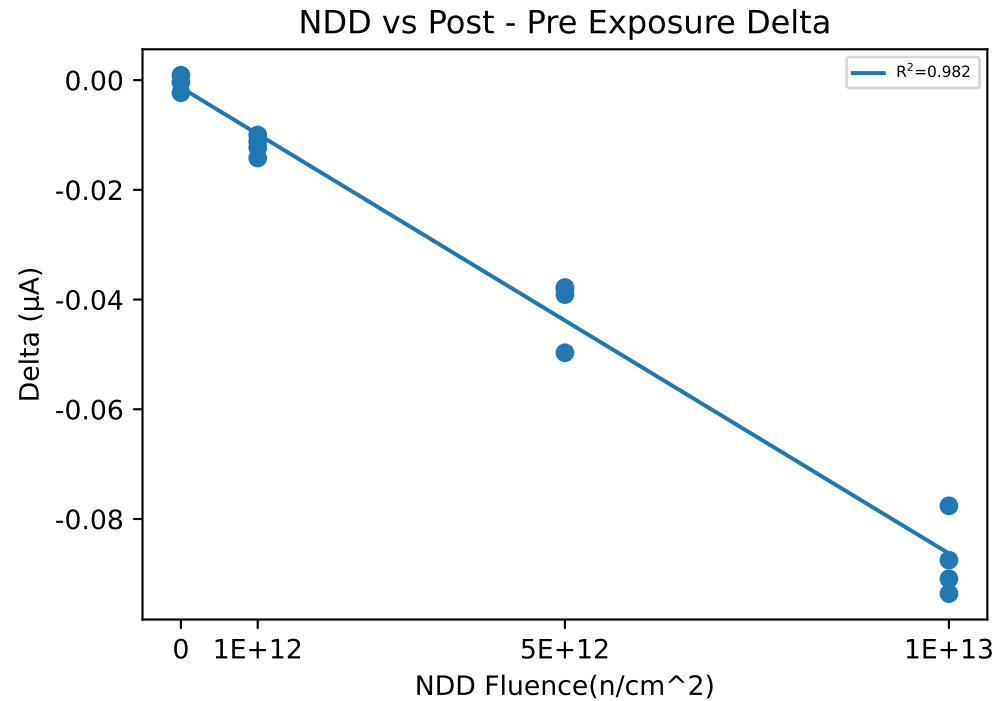
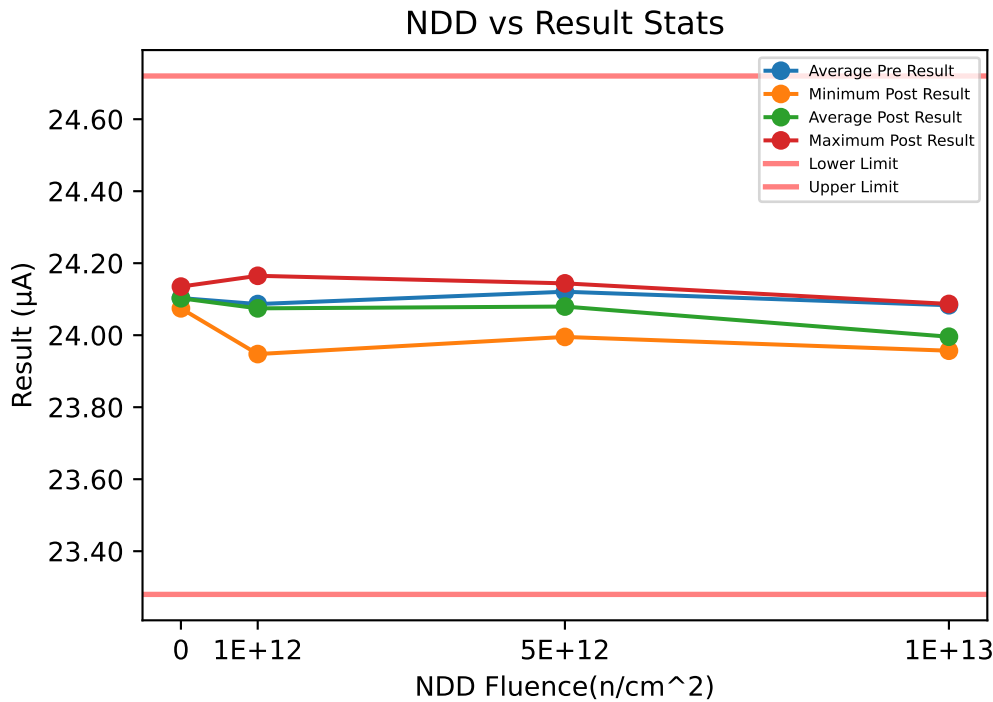
NDD vs Post - Pre Exposure Delta



Test Statistics (µA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	24.085	24.139	0.046525	24.055	24.085	24.137	0.045453	-0.0016	-0.00043333	0.001	0.0013204
1e+12	24.037	24.112	24.165	0.053795	24.026	24.101	24.151	0.053322	-0.014	-0.011525	-0.0081	0.0024918
5e+12	24.06	24.111	24.131	0.034123	24.022	24.071	24.093	0.032955	-0.0489	-0.040775	-0.037	0.0054744
1e+13	23.992	24.062	24.117	0.05307	23.903	23.974	24.039	0.057489	-0.0966	-0.088775	-0.0778	0.0079256

Device Test: 6.29; IHYS



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

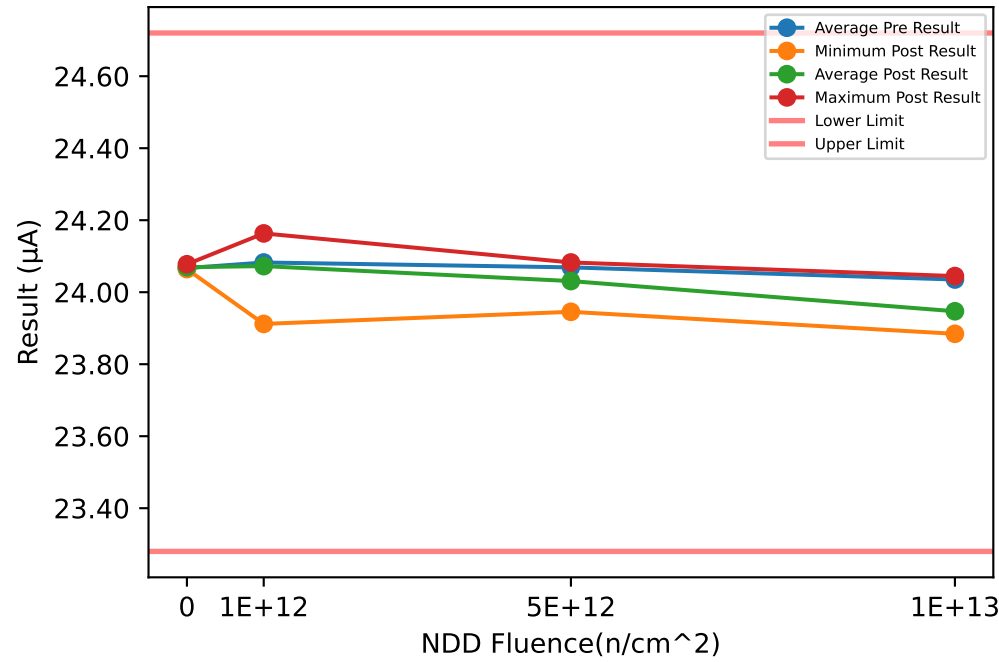
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.958	23.948	-0.01
315	1e+12	NDD Unbiased	24.121	24.107	-0.0142
316	1e+12	NDD Unbiased	24.177	24.165	-0.0123
317	1e+12	NDD Unbiased	24.09	24.079	-0.0112
318	5e+12	NDD Unbiased	24.141	24.102	-0.0391
319	5e+12	NDD Unbiased	24.182	24.144	-0.0381
320	5e+12	NDD Unbiased	24.115	24.077	-0.0378
321	5e+12	NDD Unbiased	24.045	23.995	-0.0497
322	1e+13	NDD Unbiased	24.164	24.087	-0.0776
323	1e+13	NDD Unbiased	24.048	23.957	-0.0909
324	1e+13	NDD Unbiased	24.045	23.958	-0.0875
325	1e+13	NDD Unbiased	24.075	23.982	-0.0936
326	0	Correlation	24.097	24.098	0.0009
327	0	Correlation	24.135	24.135	-0.0004
328	0	Correlation	24.077	24.075	-0.0023

Test Statistics (μA)

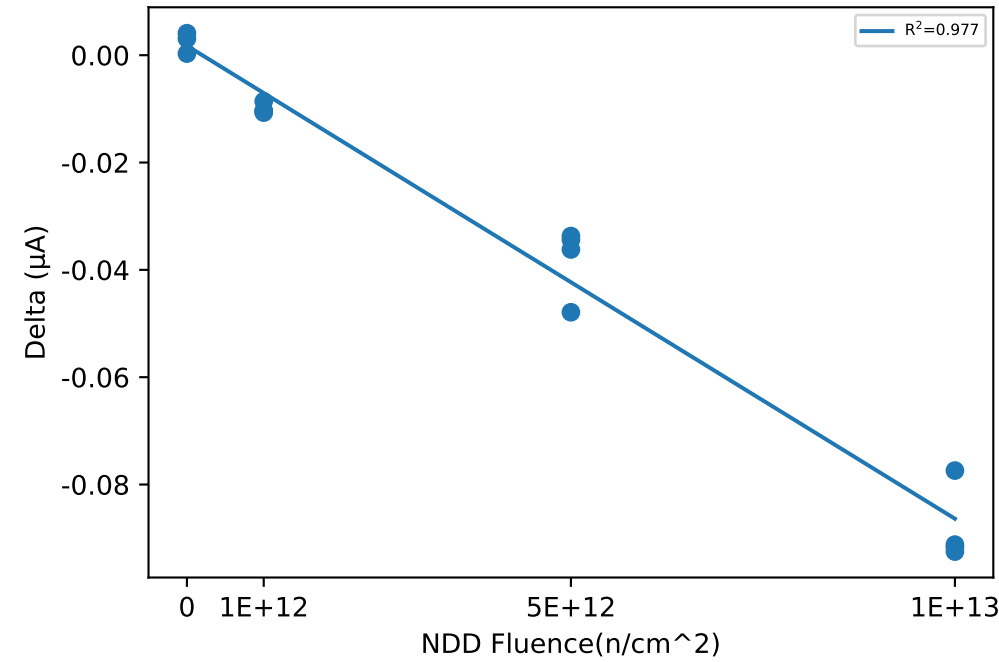
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.077	24.103	24.135	0.029713	24.075	24.103	24.135	0.030454	-0.0023	-0.0006	0.0009	0.0016093
1e+12	23.958	24.087	24.177	0.093241	23.948	24.075	24.165	0.091966	-0.0142	-0.011925	-0.01	0.001784
5e+12	24.045	24.121	24.182	0.05765	23.995	24.08	24.144	0.062673	-0.0497	-0.041175	-0.0378	0.0057104
1e+13	24.045	24.083	24.164	0.055854	23.957	23.996	24.087	0.061778	-0.0936	-0.0874	-0.0776	0.0069938

Device Test: 6.30; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

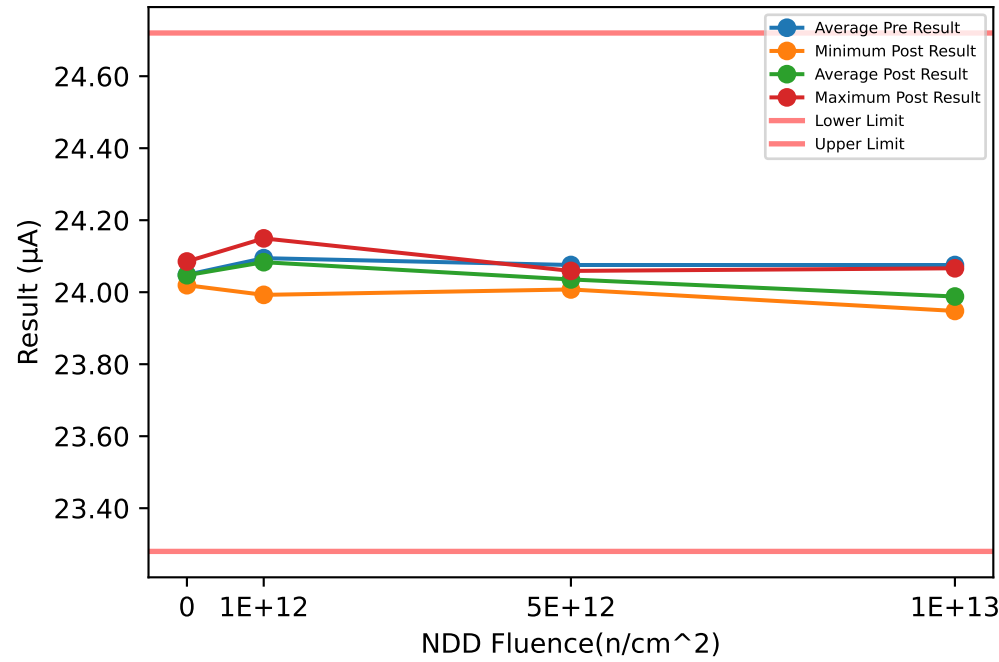
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.922	23.912	-0.0105
315	1e+12	NDD Unbiased	24.174	24.163	-0.0103
316	1e+12	NDD Unbiased	24.128	24.117	-0.0107
317	1e+12	NDD Unbiased	24.106	24.098	-0.0086
318	5e+12	NDD Unbiased	24.111	24.078	-0.0337
319	5e+12	NDD Unbiased	24.119	24.083	-0.0362
320	5e+12	NDD Unbiased	23.98	23.945	-0.0344
321	5e+12	NDD Unbiased	24.066	24.018	-0.0479
322	1e+13	NDD Unbiased	24.122	24.045	-0.0774
323	1e+13	NDD Unbiased	24.053	23.962	-0.0912
324	1e+13	NDD Unbiased	23.989	23.897	-0.0917
325	1e+13	NDD Unbiased	23.977	23.884	-0.0925
326	0	Correlation	24.073	24.078	0.0041
327	0	Correlation	24.063	24.067	0.0031
328	0	Correlation	24.064	24.064	0.0003

Test Statistics (µA)

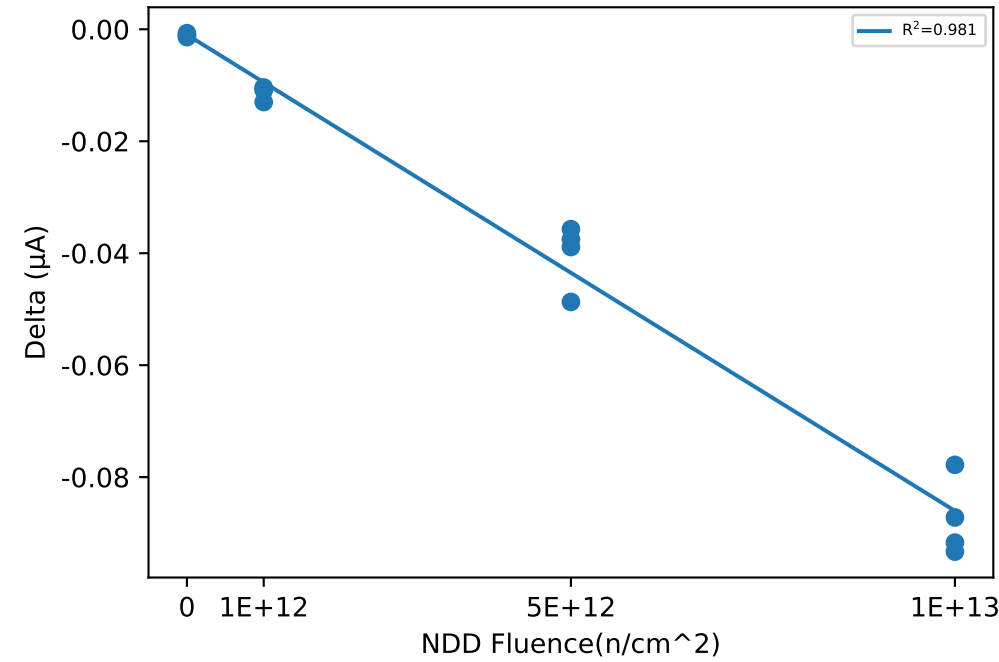
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.063	24.067	24.073	0.0057193	24.064	24.069	24.078	0.0072021	0.0003	0.0025	0.0041	0.0019698
1e+12	23.922	24.083	24.174	0.11039	23.912	24.072	24.163	0.11056	-0.0107	-0.010025	-0.0086	0.00096393
5e+12	23.98	24.069	24.119	0.063841	23.945	24.031	24.083	0.064097	-0.0479	-0.03805	-0.0337	0.0066506
1e+13	23.977	24.035	24.122	0.066904	23.884	23.947	24.045	0.073445	-0.0925	-0.0882	-0.0774	0.0072199

Device Test: 6.31; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

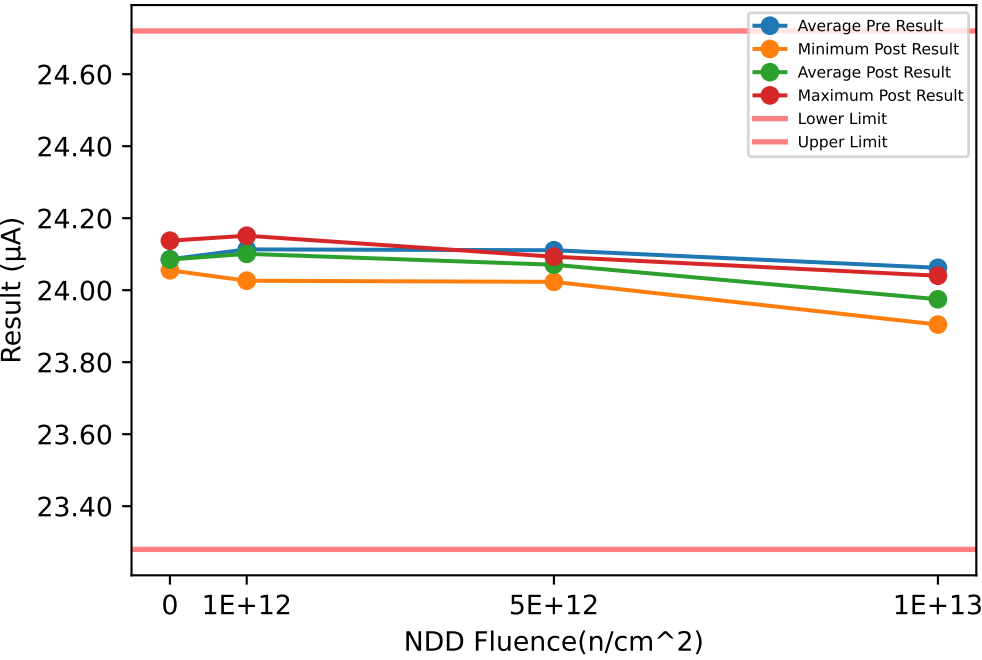
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	24.003	23.993	-0.0104
315	1e+12	NDD Unbiased	24.111	24.098	-0.013
316	1e+12	NDD Unbiased	24.16	24.149	-0.0106
317	1e+12	NDD Unbiased	24.105	24.094	-0.0109
318	5e+12	NDD Unbiased	24.074	24.039	-0.0357
319	5e+12	NDD Unbiased	24.098	24.059	-0.0389
320	5e+12	NDD Unbiased	24.074	24.036	-0.0375
321	5e+12	NDD Unbiased	24.056	24.008	-0.0487
322	1e+13	NDD Unbiased	24.144	24.066	-0.0778
323	1e+13	NDD Unbiased	24.075	23.983	-0.0917
324	1e+13	NDD Unbiased	24.035	23.948	-0.0872
325	1e+13	NDD Unbiased	24.048	23.955	-0.0933
326	0	Correlation	24.021	24.019	-0.0014
327	0	Correlation	24.038	24.037	-0.0011
328	0	Correlation	24.086	24.085	-0.0007

Test Statistics (µA)

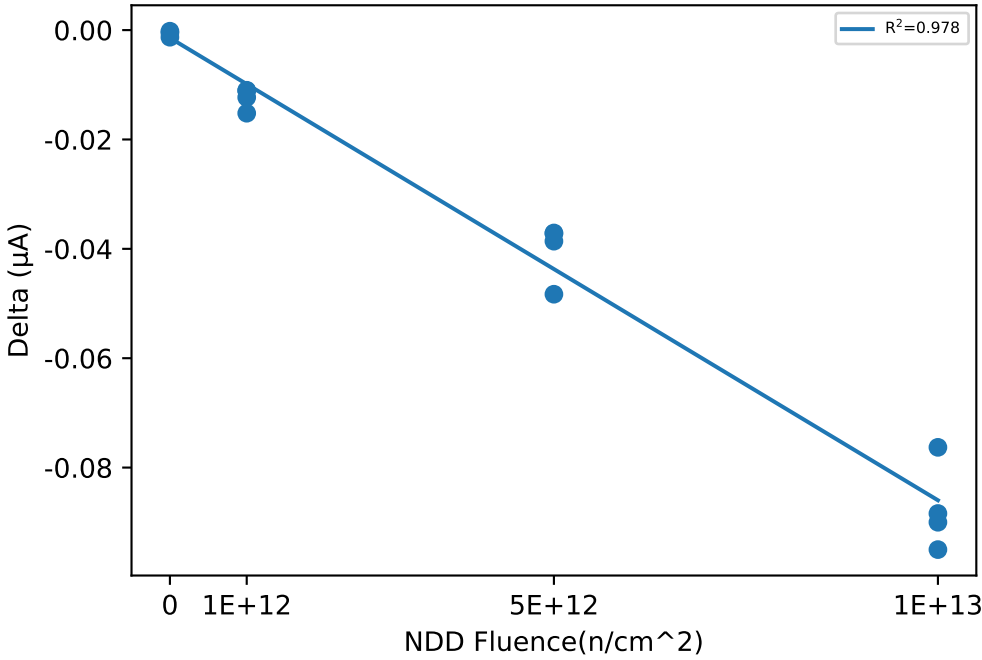
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.021	24.048	24.086	0.033806	24.019	24.047	24.085	0.034151	-0.0014	-0.0010667	-0.0007	0.00035119
1e+12	24.003	24.095	24.16	0.065924	23.993	24.083	24.149	0.065631	-0.013	-0.011225	-0.0104	0.001201
5e+12	24.056	24.076	24.098	0.017123	24.008	24.035	24.059	0.021177	-0.0487	-0.0402	-0.0357	0.0058161
1e+13	24.035	24.076	24.144	0.04866	23.948	23.988	24.066	0.054415	-0.0933	-0.0875	-0.0778	0.0069632

Device Test: 6.32; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

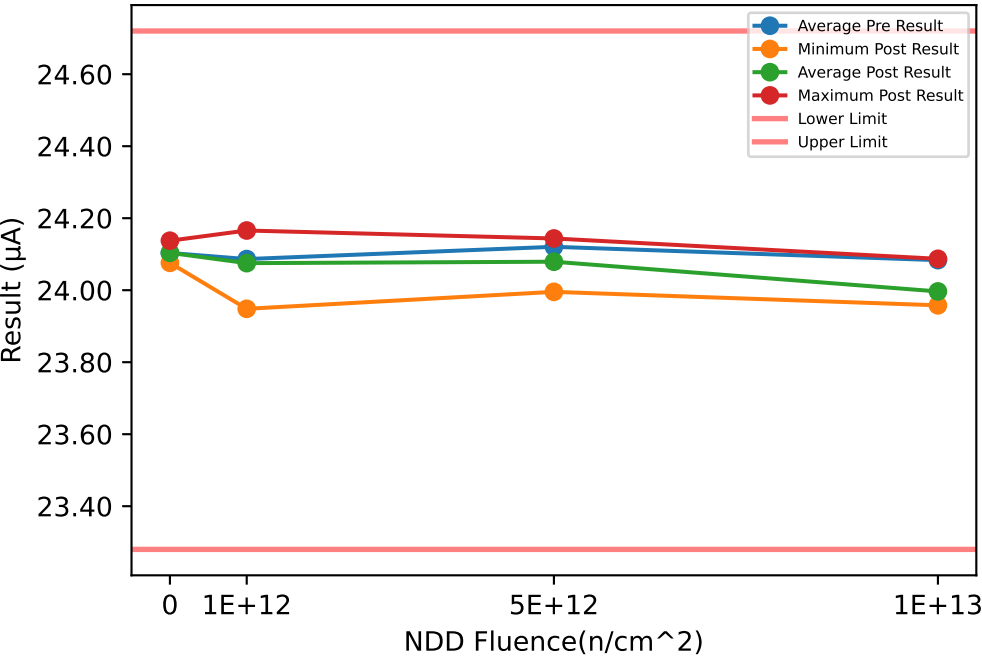
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	24.037	24.026	-0.0111
315	1e+12	NDD Unbiased	24.166	24.151	-0.0152
316	1e+12	NDD Unbiased	24.122	24.11	-0.0123
317	1e+12	NDD Unbiased	24.127	24.116	-0.011
318	5e+12	NDD Unbiased	24.125	24.088	-0.0371
319	5e+12	NDD Unbiased	24.132	24.093	-0.0386
320	5e+12	NDD Unbiased	24.06	24.023	-0.0372
321	5e+12	NDD Unbiased	24.127	24.078	-0.0483
322	1e+13	NDD Unbiased	24.116	24.04	-0.0763
323	1e+13	NDD Unbiased	24.085	23.995	-0.09
324	1e+13	NDD Unbiased	23.993	23.904	-0.0884
325	1e+13	NDD Unbiased	24.055	23.96	-0.095
326	0	Correlation	24.055	24.055	-0.0002
327	0	Correlation	24.063	24.063	-0.0005
328	0	Correlation	24.139	24.137	-0.0013

Test Statistics (µA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	24.086	24.139	0.046007	24.055	24.085	24.137	0.045448	-0.0013	-0.00066667	-0.0002	0.00056862
1e+12	24.037	24.113	24.166	0.054369	24.026	24.101	24.151	0.052995	-0.0152	-0.0124	-0.011	0.0019579
5e+12	24.06	24.111	24.132	0.033843	24.023	24.071	24.093	0.032234	-0.0483	-0.0403	-0.0371	0.0053771
1e+13	23.993	24.062	24.116	0.05269	23.904	23.975	24.04	0.057325	-0.095	-0.087425	-0.0763	0.0079315

Device Test: 6.33; IHYS

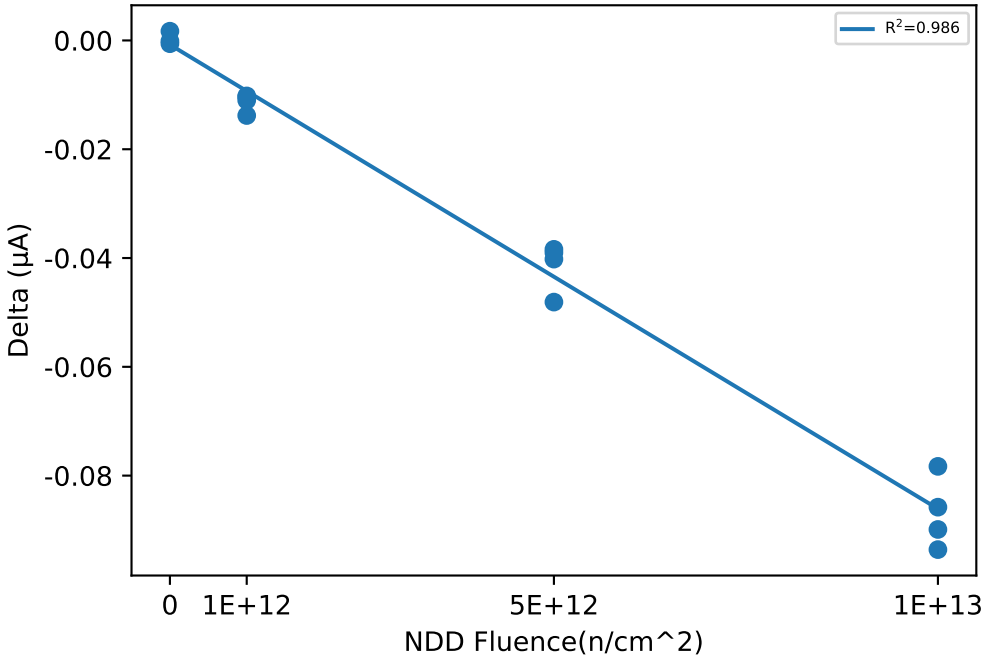
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	23.959	23.948	-0.0102
315	1e+12	NDD Unbiased	24.121	24.107	-0.0138
316	1e+12	NDD Unbiased	24.177	24.166	-0.011
317	1e+12	NDD Unbiased	24.09	24.079	-0.0104
318	5e+12	NDD Unbiased	24.141	24.102	-0.039
319	5e+12	NDD Unbiased	24.182	24.144	-0.0384
320	5e+12	NDD Unbiased	24.116	24.076	-0.0402
321	5e+12	NDD Unbiased	24.044	23.995	-0.0481
322	1e+13	NDD Unbiased	24.166	24.087	-0.0783
323	1e+13	NDD Unbiased	24.048	23.958	-0.0899
324	1e+13	NDD Unbiased	24.044	23.959	-0.0858
325	1e+13	NDD Unbiased	24.076	23.983	-0.0936
326	0	Correlation	24.098	24.098	-0.0001
327	0	Correlation	24.136	24.137	0.0017
328	0	Correlation	24.077	24.076	-0.0006

NDD vs Post - Pre Exposure Delta

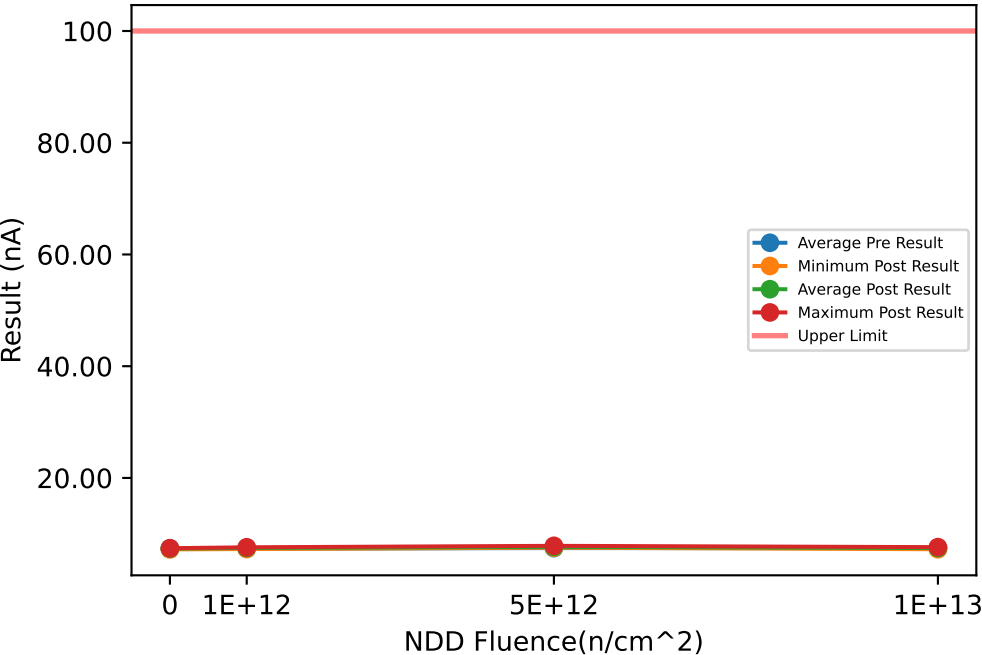


Test Statistics (µA)

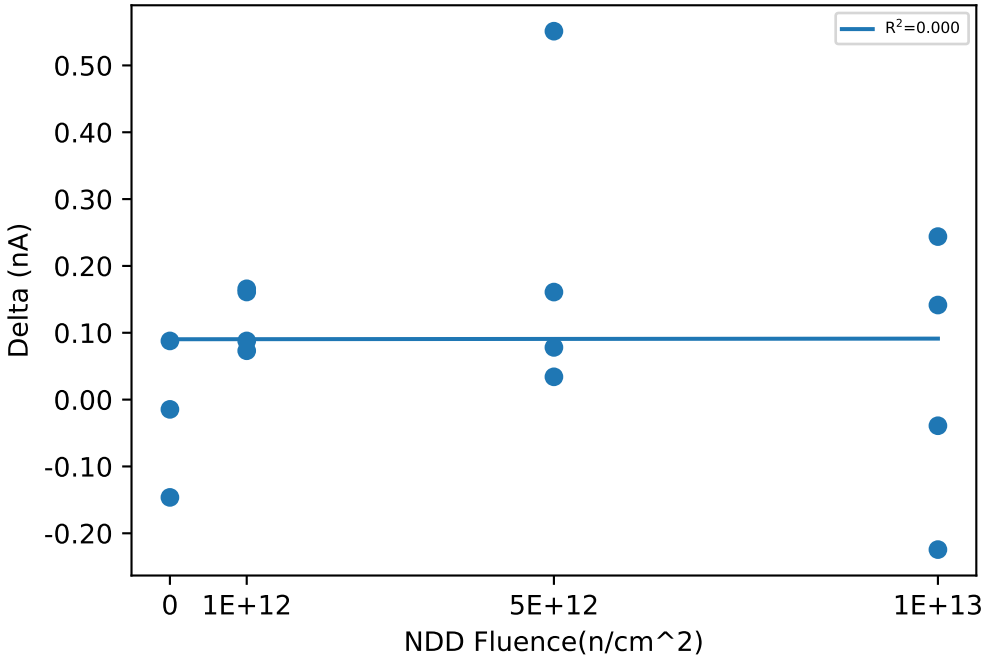
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.077	24.103	24.136	0.029985	24.076	24.104	24.137	0.031181	-0.0006	0.00033333	0.0017	0.0012097
1e+12	23.959	24.087	24.177	0.092615	23.948	24.075	24.166	0.091919	-0.0138	-0.01135	-0.0102	0.0016683
5e+12	24.044	24.121	24.182	0.058203	23.995	24.079	24.144	0.062481	-0.0481	-0.041425	-0.0384	0.0045125
1e+13	24.044	24.083	24.166	0.056495	23.958	23.997	24.087	0.061485	-0.0936	-0.0869	-0.0783	0.006559

Device Test: 6.34; ILKG_WDI

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

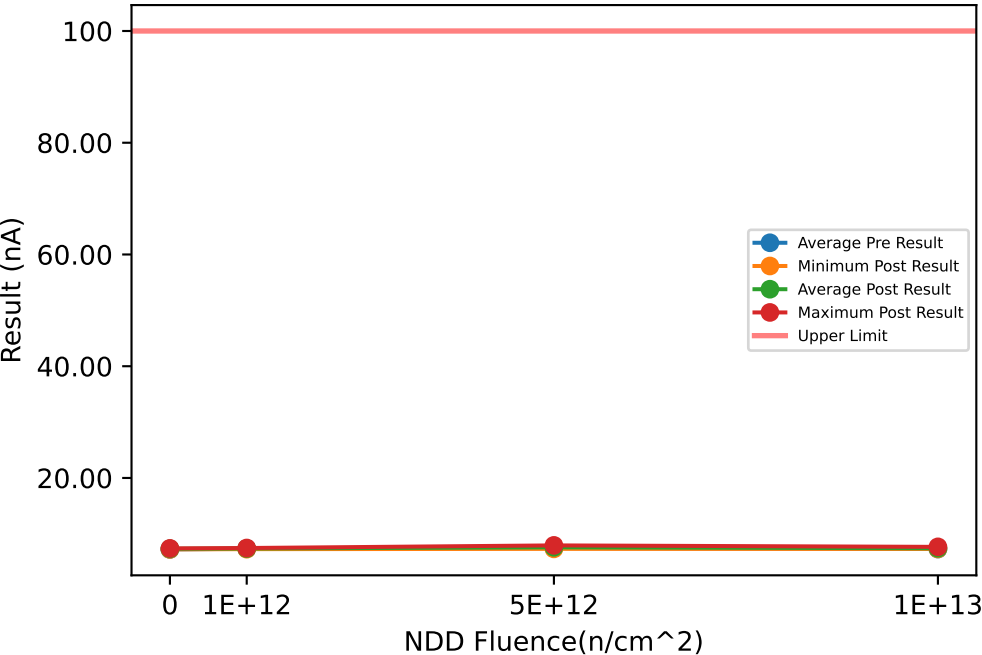
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	7.185	7.2728	0.0878
315	1e+12	NDD Unbiased	7.424	7.585	0.161
316	1e+12	NDD Unbiased	7.3411	7.4142	0.0731
317	1e+12	NDD Unbiased	7.3996	7.5654	0.1658
318	5e+12	NDD Unbiased	6.9996	7.5508	0.5512
319	5e+12	NDD Unbiased	7.6484	7.6825	0.0341
320	5e+12	NDD Unbiased	7.6874	7.8483	0.1609
321	5e+12	NDD Unbiased	7.4386	7.5167	0.0781
322	1e+13	NDD Unbiased	7.6435	7.4191	-0.2244
323	1e+13	NDD Unbiased	7.3703	7.6142	0.2439
324	1e+13	NDD Unbiased	7.3898	7.5313	0.1415
325	1e+13	NDD Unbiased	7.2777	7.2386	-0.0391
326	0	Correlation	7.3118	7.3996	0.0878
327	0	Correlation	7.4386	7.424	-0.0146
328	0	Correlation	7.3557	7.2094	-0.1463

Test Statistics (nA)

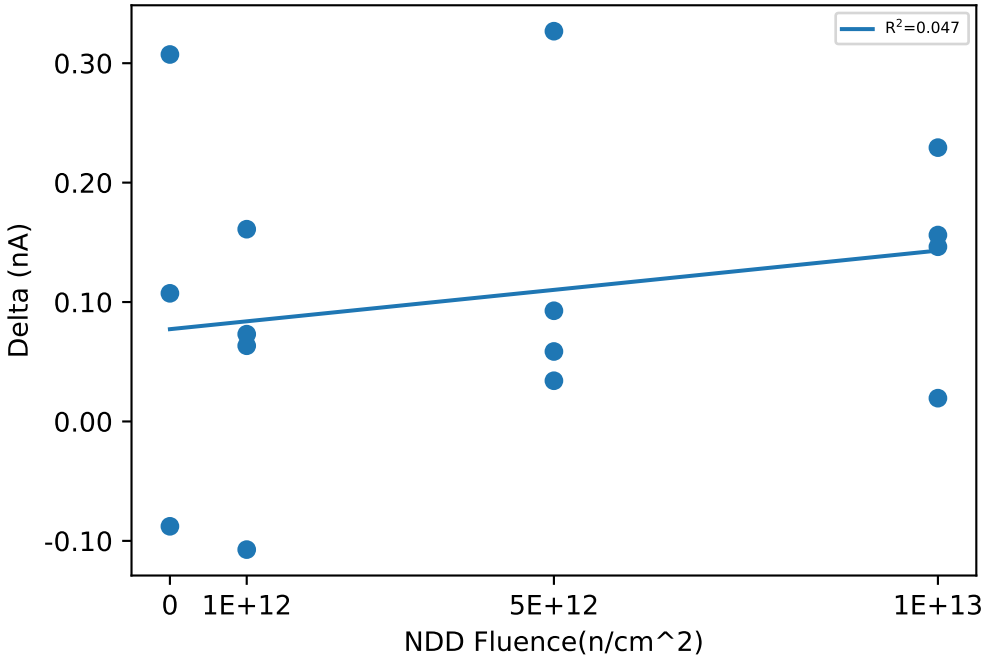
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3118	7.3687	7.4386	0.064392	7.2094	7.3443	7.424	0.11749	-0.1463	-0.024367	0.0878	0.11736
1e+12	7.185	7.3374	7.424	0.10741	7.2728	7.4594	7.585	0.14592	0.0731	0.12193	0.1658	0.048306
5e+12	6.9996	7.4435	7.6874	0.31546	7.5167	7.6496	7.8483	0.15054	0.0341	0.20608	0.5512	0.23601
1e+13	7.2777	7.4203	7.6435	0.15661	7.2386	7.4508	7.6142	0.16249	-0.2244	0.030475	0.2439	0.2063

Device Test: 6.35; ILKG_WDI

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

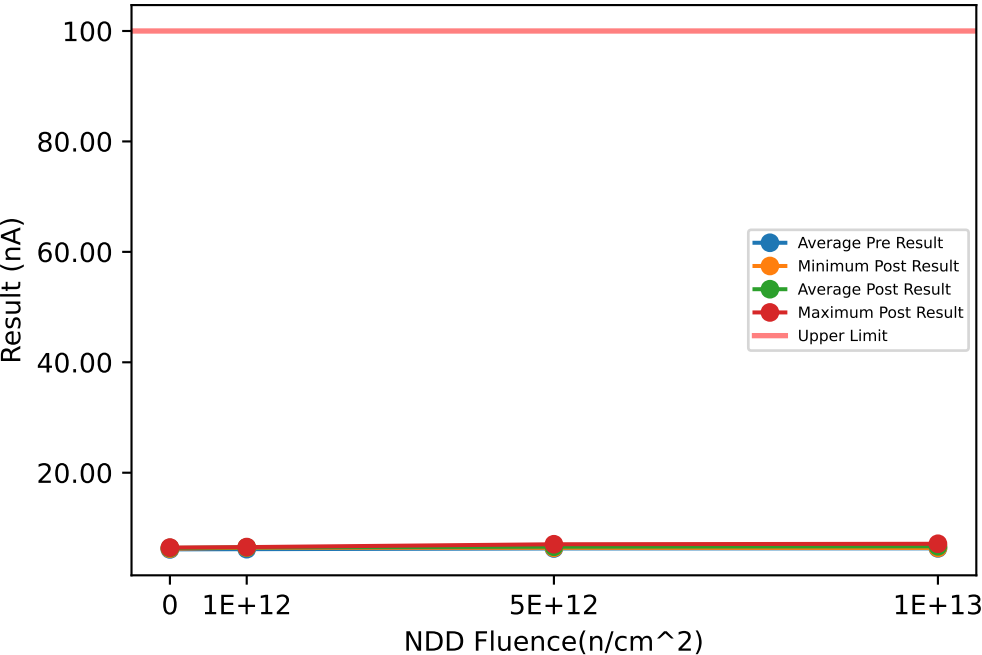
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	7.1947	7.2581	0.0634
315	1e+12	NDD Unbiased	7.4386	7.3313	-0.1073
316	1e+12	NDD Unbiased	7.385	7.4581	0.0731
317	1e+12	NDD Unbiased	7.302	7.463	0.161
318	5e+12	NDD Unbiased	7.2142	7.3069	0.0927
319	5e+12	NDD Unbiased	7.624	7.6581	0.0341
320	5e+12	NDD Unbiased	7.6045	7.9313	0.3268
321	5e+12	NDD Unbiased	7.3947	7.4533	0.0586
322	1e+13	NDD Unbiased	7.1606	7.3069	0.1463
323	1e+13	NDD Unbiased	7.1703	7.3996	0.2293
324	1e+13	NDD Unbiased	7.5118	7.6679	0.1561
325	1e+13	NDD Unbiased	7.2777	7.2972	0.0195
326	0	Correlation	7.2533	7.3606	0.1073
327	0	Correlation	7.302	7.2142	-0.0878
328	0	Correlation	7.0874	7.3947	0.3073

Test Statistics (nA)

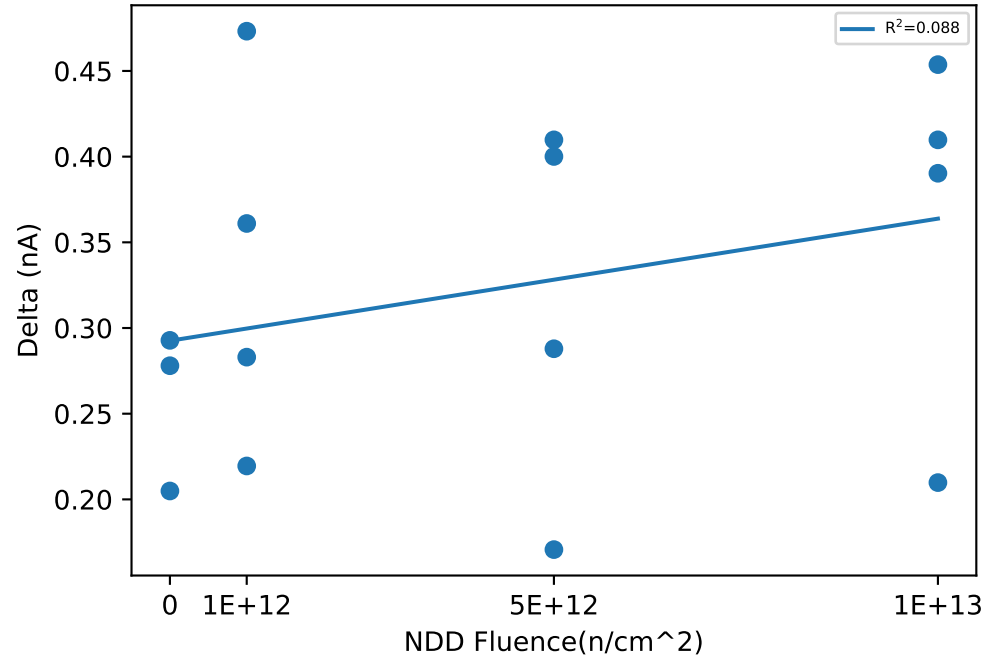
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.0874	7.2142	7.302	0.11251	7.2142	7.3232	7.3947	0.095896	-0.0878	0.10893	0.3073	0.19756
1e+12	7.1947	7.3301	7.4386	0.10632	7.2581	7.3776	7.463	0.10033	-0.1073	0.04755	0.161	0.11218
5e+12	7.2142	7.4593	7.624	0.19361	7.3069	7.5874	7.9313	0.27076	0.0341	0.12805	0.3268	0.13466
1e+13	7.1606	7.2801	7.5118	0.16333	7.2972	7.4179	7.6679	0.17294	0.0195	0.1378	0.2293	0.087129

Device Test: 6.36; ILKG_MODE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

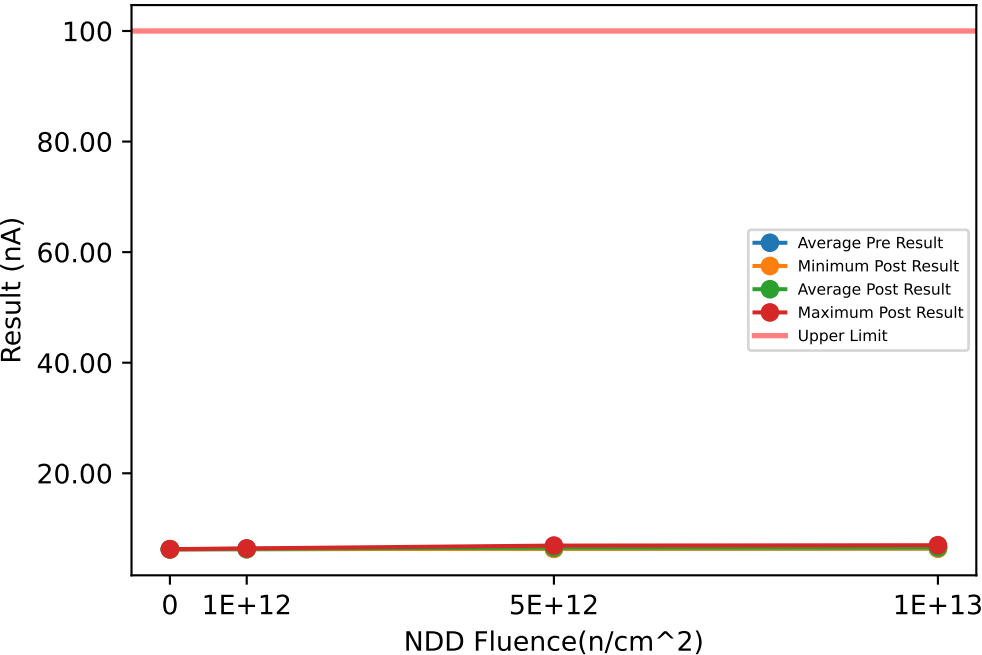
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	6.197	6.4165	0.2195
315	1e+12	NDD Unbiased	6.1726	6.5336	0.361
316	1e+12	NDD Unbiased	6.0263	6.4995	0.4732
317	1e+12	NDD Unbiased	6.2165	6.4995	0.283
318	5e+12	NDD Unbiased	6.2263	6.397	0.1707
319	5e+12	NDD Unbiased	6.758	7.0459	0.2879
320	5e+12	NDD Unbiased	6.0799	6.4897	0.4098
321	5e+12	NDD Unbiased	6.0555	6.4556	0.4001
322	1e+13	NDD Unbiased	6.1677	6.3775	0.2098
323	1e+13	NDD Unbiased	6.7434	7.1337	0.3903
324	1e+13	NDD Unbiased	6.2799	6.6897	0.4098
325	1e+13	NDD Unbiased	6.0165	6.4702	0.4537
326	0	Correlation	6.1433	6.4361	0.2928
327	0	Correlation	5.958	6.236	0.278
328	0	Correlation	6.2409	6.4458	0.2049

Test Statistics (nA)

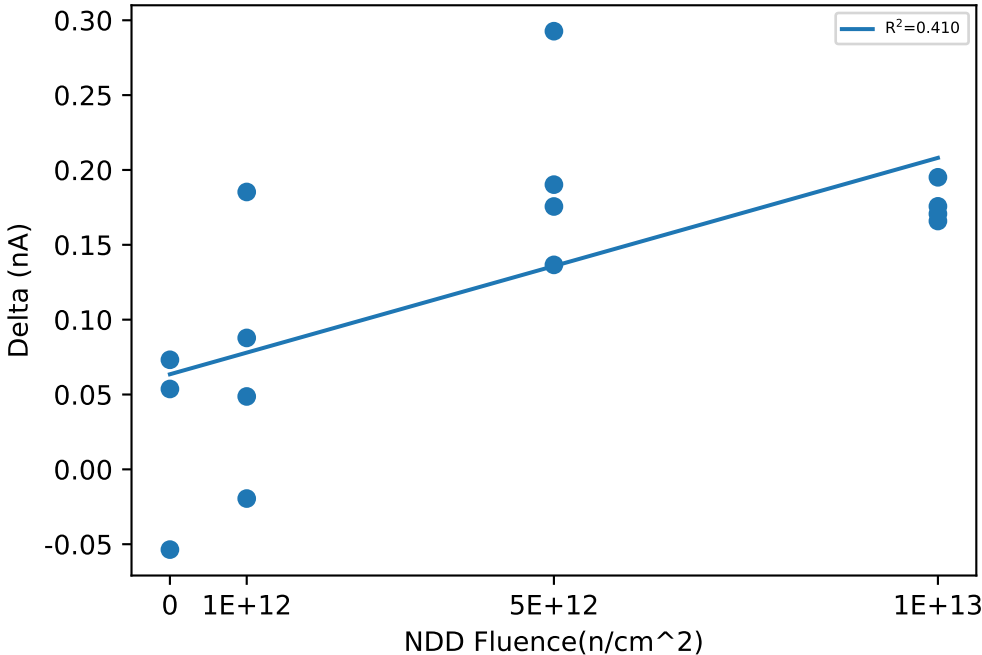
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.958	6.1141	6.2409	0.1437	6.236	6.3726	6.4458	0.11843	0.2049	0.25857	0.2928	0.047062
1e+12	6.0263	6.1531	6.2165	0.08642	6.4165	6.4873	6.5336	0.049846	0.2195	0.33418	0.4732	0.10927
5e+12	6.0555	6.2799	6.758	0.32752	6.397	6.597	7.0459	0.30167	0.1707	0.31712	0.4098	0.1122
1e+13	6.0165	6.3019	6.7434	0.31351	6.3775	6.6678	7.1337	0.33708	0.2098	0.3659	0.4537	0.10739

Device Test: 6.37; ILKG_MODE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

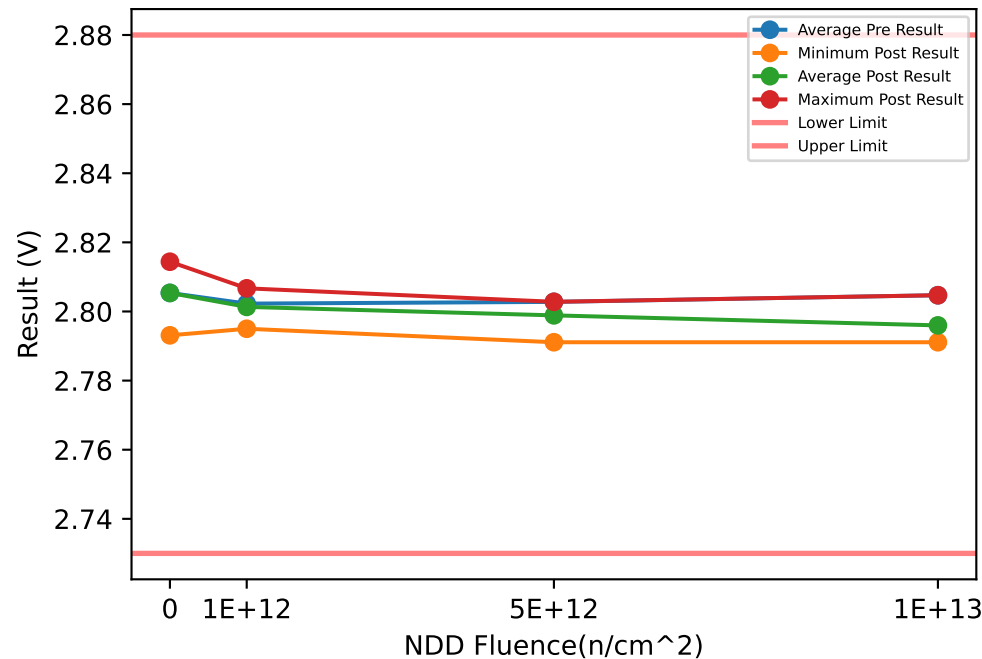
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	6.2312	6.2799	0.0487
315	1e+12	NDD Unbiased	6.2946	6.3824	0.0878
316	1e+12	NDD Unbiased	6.2946	6.2751	-0.0195
317	1e+12	NDD Unbiased	6.2312	6.4165	0.1853
318	5e+12	NDD Unbiased	6.197	6.3336	0.1366
319	5e+12	NDD Unbiased	6.7483	6.9239	0.1756
320	5e+12	NDD Unbiased	6.2995	6.4897	0.1902
321	5e+12	NDD Unbiased	6.158	6.4507	0.2927
322	1e+13	NDD Unbiased	6.2556	6.4263	0.1707
323	1e+13	NDD Unbiased	6.8263	6.9922	0.1659
324	1e+13	NDD Unbiased	6.3043	6.48	0.1757
325	1e+13	NDD Unbiased	6.1873	6.3824	0.1951
326	0	Correlation	6.2165	6.2702	0.0537
327	0	Correlation	6.158	6.2312	0.0732
328	0	Correlation	6.3287	6.2751	-0.0536

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	6.158	6.2344	6.3287	0.086746	6.2312	6.2588	6.2751	0.024056	-0.0536	0.024433	0.0732	0.068279
1e+12	6.2312	6.2629	6.2946	0.036604	6.2751	6.3385	6.4165	0.071798	-0.0195	0.075575	0.1853	0.085539
5e+12	6.158	6.3507	6.7483	0.2717	6.3336	6.5495	6.9239	0.25828	0.1366	0.19877	0.2927	0.066579
1e+13	6.1873	6.3934	6.8263	0.29258	6.3824	6.5702	6.9922	0.28413	0.1659	0.17685	0.1951	0.012808

Device Test: 6.38; UVLO_RISE

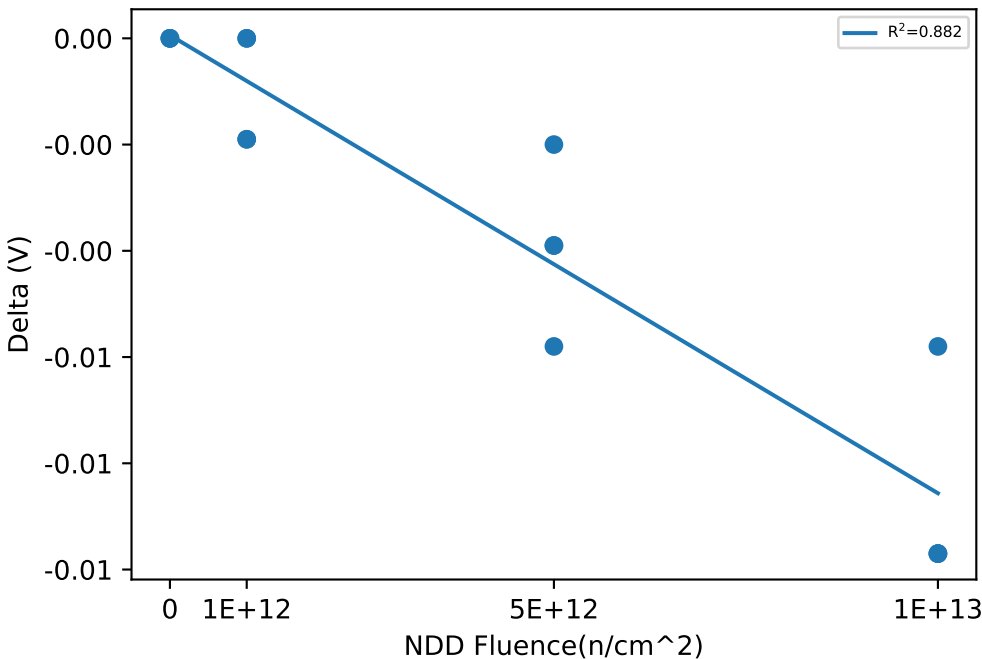
NDD vs Result Stats



Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.8047	2.8047	0
315	1e+12	NDD Unbiased	2.7969	2.795	-0.0019
316	1e+12	NDD Unbiased	2.8086	2.8067	-0.0019
317	1e+12	NDD Unbiased	2.7989	2.7989	0
318	5e+12	NDD Unbiased	2.8067	2.8028	-0.0039
319	5e+12	NDD Unbiased	2.7969	2.7911	-0.0058
320	5e+12	NDD Unbiased	2.8028	2.8008	-0.002
321	5e+12	NDD Unbiased	2.8047	2.8008	-0.0039
322	1e+13	NDD Unbiased	2.8105	2.8047	-0.0058
323	1e+13	NDD Unbiased	2.8008	2.7911	-0.0097
324	1e+13	NDD Unbiased	2.8028	2.7931	-0.0097
325	1e+13	NDD Unbiased	2.8047	2.795	-0.0097
326	0	Correlation	2.7931	2.7931	0
327	0	Correlation	2.8086	2.8086	0
328	0	Correlation	2.8144	2.8144	0

NDD vs Post - Pre Exposure Delta

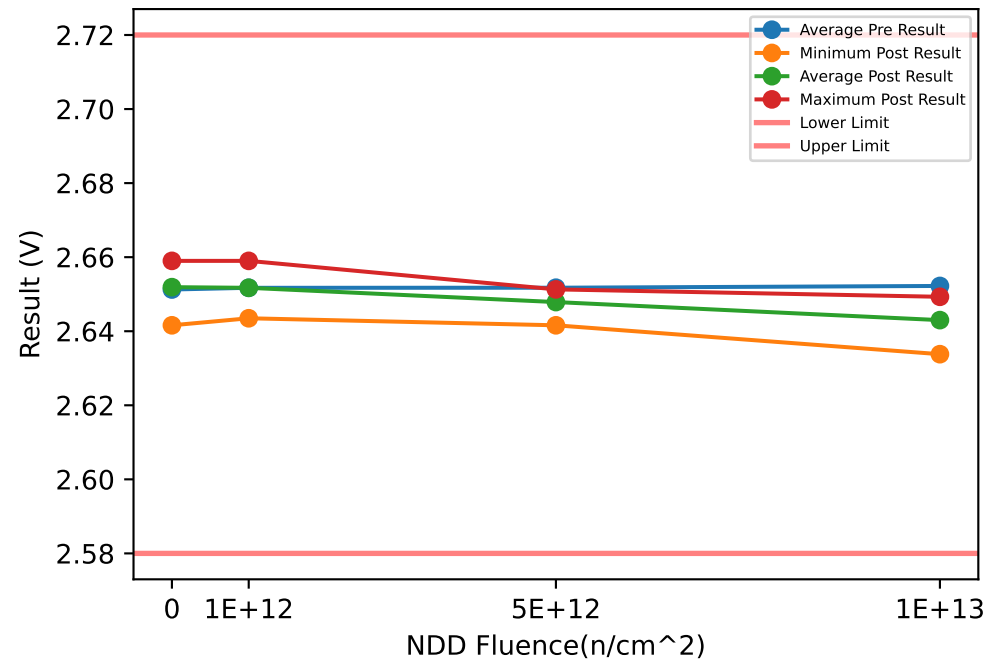


Test Statistics (V)

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	2.7931	2.8054	2.8144	0.011012	2.7931	2.8054	2.8144	0.011012	0	0	0	0
1e+12	2.7969	2.8023	2.8086	0.0053593	2.795	2.8013	2.8067	0.0053593	-0.0019	-0.00095	0	0.001097
5e+12	2.7969	2.8028	2.8067	0.004228	2.7911	2.7989	2.8028	0.0052684	-0.0058	-0.0039	-0.002	0.0015513
1e+13	2.8008	2.8047	2.8105	0.0041817	2.7911	2.796	2.8047	0.0060307	-0.0097	-0.008725	-0.0058	0.00195

Device Test: 6.39; UVLO_FALL

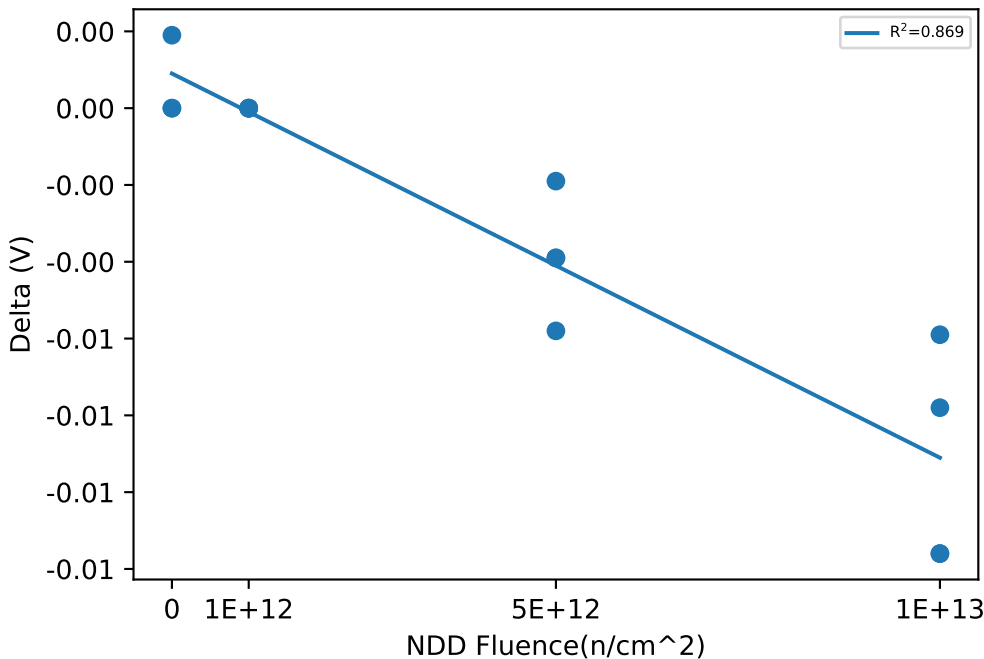
NDD vs Result Stats



Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	2.6551	2.6551	0
315	1e+12	NDD Unbiased	2.6435	2.6435	0
316	1e+12	NDD Unbiased	2.659	2.659	0
317	1e+12	NDD Unbiased	2.6493	2.6493	0
318	5e+12	NDD Unbiased	2.6571	2.6513	-0.0058
319	5e+12	NDD Unbiased	2.6435	2.6416	-0.0019
320	5e+12	NDD Unbiased	2.6532	2.6493	-0.0039
321	5e+12	NDD Unbiased	2.6532	2.6493	-0.0039
322	1e+13	NDD Unbiased	2.6571	2.6493	-0.0078
323	1e+13	NDD Unbiased	2.6454	2.6338	-0.0116
324	1e+13	NDD Unbiased	2.6513	2.6454	-0.0059
325	1e+13	NDD Unbiased	2.6551	2.6435	-0.0116
326	0	Correlation	2.6416	2.6416	0
327	0	Correlation	2.6551	2.6551	0
328	0	Correlation	2.6571	2.659	0.0019

NDD vs Post - Pre Exposure Delta

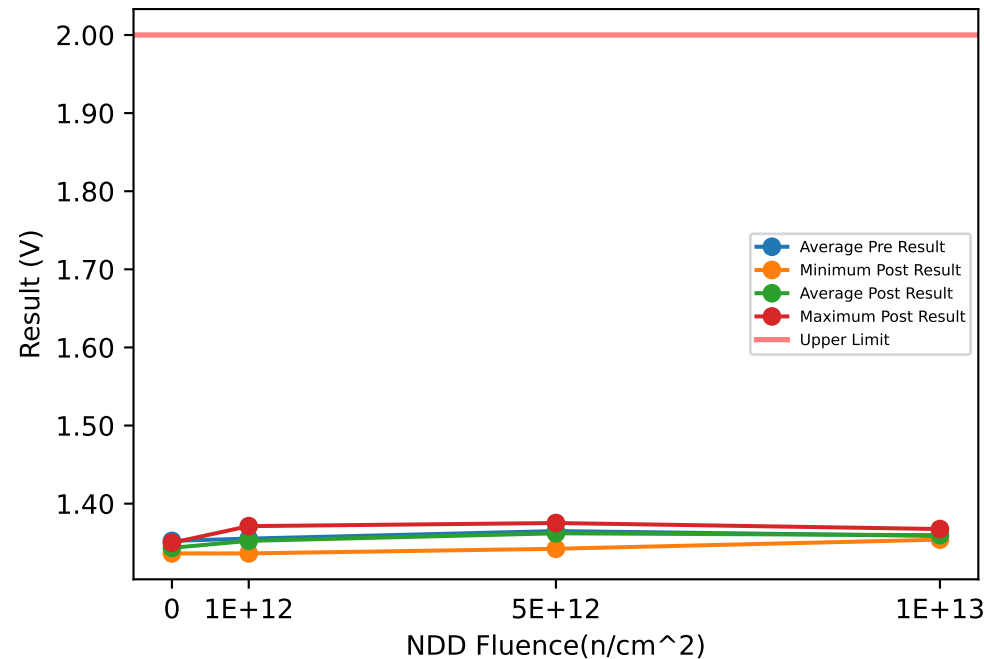


Test Statistics (V)

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	2.6416	2.6513	2.6571	0.0084311	2.6416	2.6519	2.659	0.0091307	0	0.00063333	0.0019	0.001097
1e+12	2.6435	2.6517	2.659	0.0067786	2.6435	2.6517	2.659	0.0067786	0	0	0	0
5e+12	2.6435	2.6517	2.6571	0.0057991	2.6416	2.6479	2.6513	0.0042883	-0.0058	-0.003875	-0.0019	0.0015924
1e+13	2.6454	2.6522	2.6571	0.0051468	2.6338	2.643	2.6493	0.0065914	-0.0116	-0.009225	-0.0059	0.00285

Device Test: 6.40; VIN_VALID

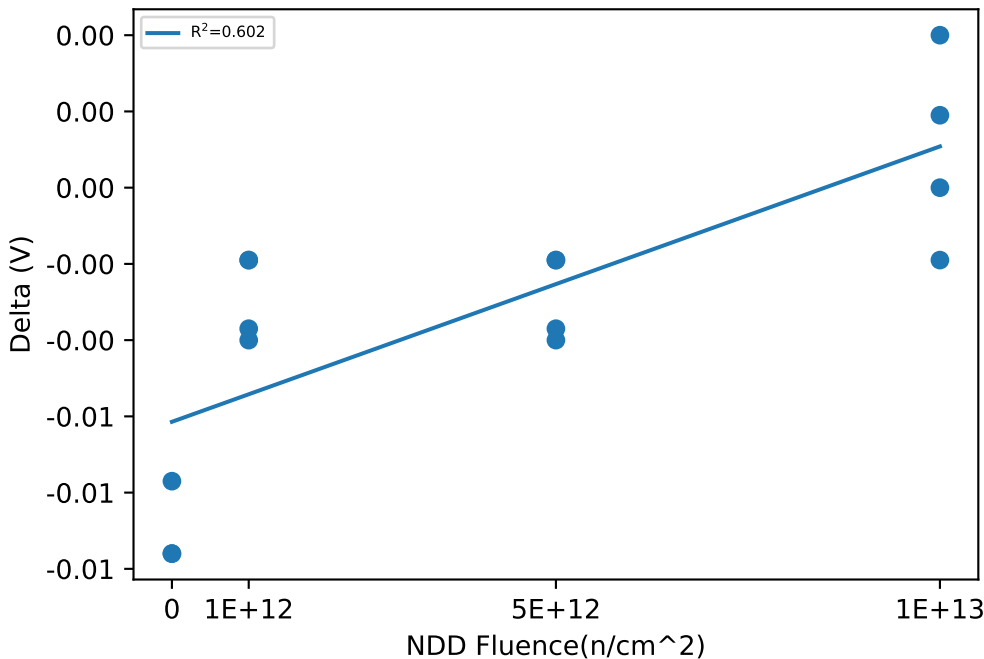
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.3731	1.3712	-0.0019
315	1e+12	NDD Unbiased	1.3517	1.348	-0.0037
316	1e+12	NDD Unbiased	1.3403	1.3363	-0.004
317	1e+12	NDD Unbiased	1.3558	1.3539	-0.0019
318	5e+12	NDD Unbiased	1.3771	1.3752	-0.0019
319	5e+12	NDD Unbiased	1.3595	1.3576	-0.0019
320	5e+12	NDD Unbiased	1.3771	1.3731	-0.004
321	5e+12	NDD Unbiased	1.3459	1.3422	-0.0037
322	1e+13	NDD Unbiased	1.3576	1.3595	0.0019
323	1e+13	NDD Unbiased	1.3558	1.3539	-0.0019
324	1e+13	NDD Unbiased	1.3576	1.3576	0
325	1e+13	NDD Unbiased	1.3635	1.3675	0.004
326	0	Correlation	1.3517	1.344	-0.0077
327	0	Correlation	1.3595	1.3499	-0.0096
328	0	Correlation	1.3459	1.3363	-0.0096

NDD vs Post - Pre Exposure Delta

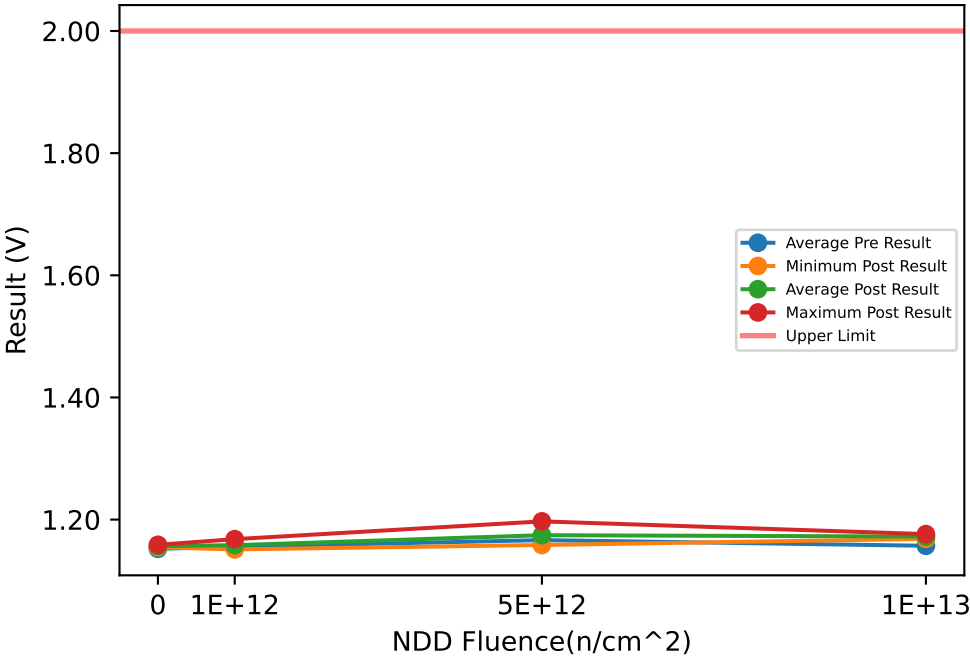


Test Statistics (V)

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	1.3459	1.3524	1.3595	0.0068245	1.3363	1.3434	1.3499	0.0068198	-0.0096	-0.0089667	-0.0077	0.001097
1e+12	1.3403	1.3552	1.3731	0.013602	1.3363	1.3523	1.3712	0.01454	-0.004	-0.002875	-0.0019	0.0011325
5e+12	1.3459	1.3649	1.3771	0.015142	1.3422	1.362	1.3752	0.015371	-0.004	-0.002875	-0.0019	0.0011325
1e+13	1.3558	1.3586	1.3635	0.0033589	1.3539	1.3596	1.3675	0.0057419	-0.0019	0.001	0.004	0.0025311

Device Test: 6.41; VIN_VALID

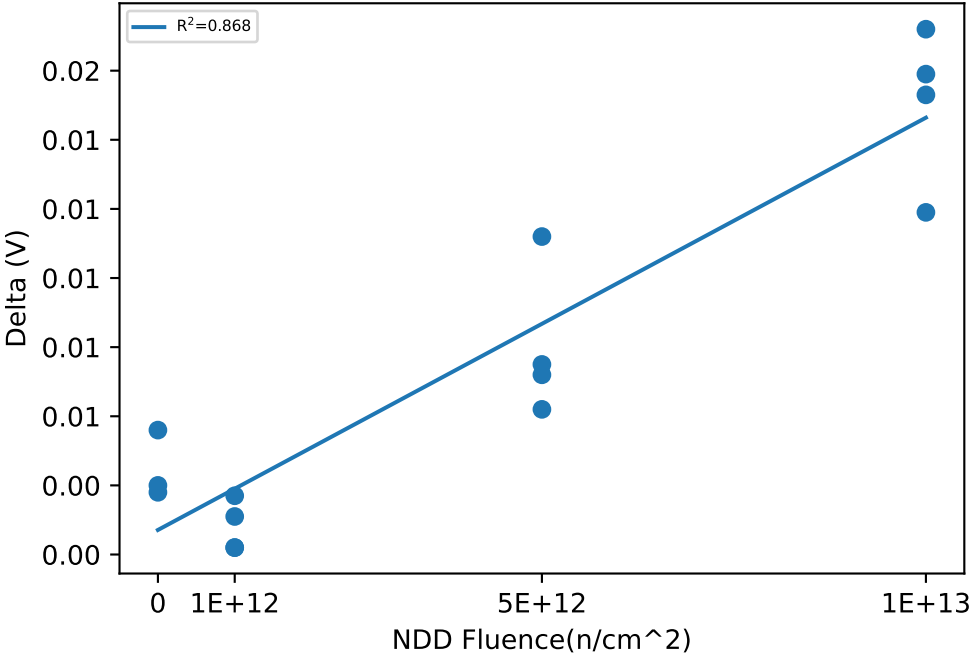
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1649	1.168	0.0031
315	1e+12	NDD Unbiased	1.1509	1.1531	0.0022
316	1e+12	NDD Unbiased	1.149	1.1512	0.0022
317	1e+12	NDD Unbiased	1.1565	1.1602	0.0037
318	5e+12	NDD Unbiased	1.1859	1.1971	0.0112
319	5e+12	NDD Unbiased	1.1565	1.1627	0.0062
320	5e+12	NDD Unbiased	1.1724	1.1796	0.0072
321	5e+12	NDD Unbiased	1.1509	1.1584	0.0075
322	1e+13	NDD Unbiased	1.1565	1.1737	0.0172
323	1e+13	NDD Unbiased	1.1565	1.1684	0.0119
324	1e+13	NDD Unbiased	1.1546	1.1705	0.0159
325	1e+13	NDD Unbiased	1.1609	1.1762	0.0153
326	0	Correlation	1.1509	1.1565	0.0056
327	0	Correlation	1.1549	1.1587	0.0038
328	0	Correlation	1.1506	1.1546	0.004

NDD vs Post - Pre Exposure Delta

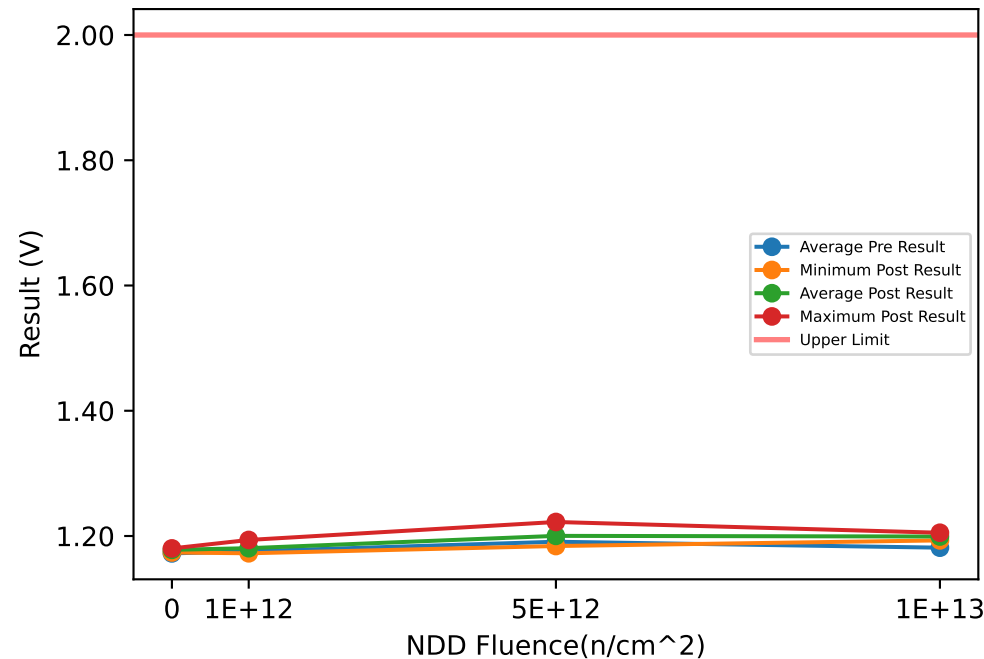


Test Statistics (V)

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	1.1506	1.1521	1.1549	0.0024007	1.1546	1.1566	1.1587	0.0020518	0.0038	0.0044667	0.0056	0.00098658
1e+12	1.149	1.1553	1.1649	0.0071332	1.1512	1.1581	1.168	0.0076382	0.0022	0.0028	0.0037	0.00073485
5e+12	1.1509	1.1664	1.1859	0.015859	1.1584	1.1744	1.1971	0.017656	0.0062	0.008025	0.0112	0.0021884
1e+13	1.1546	1.1571	1.1609	0.0026713	1.1684	1.1722	1.1762	0.0034438	0.0119	0.015075	0.0172	0.0022603

Device Test: 6.42; VIN_VALID

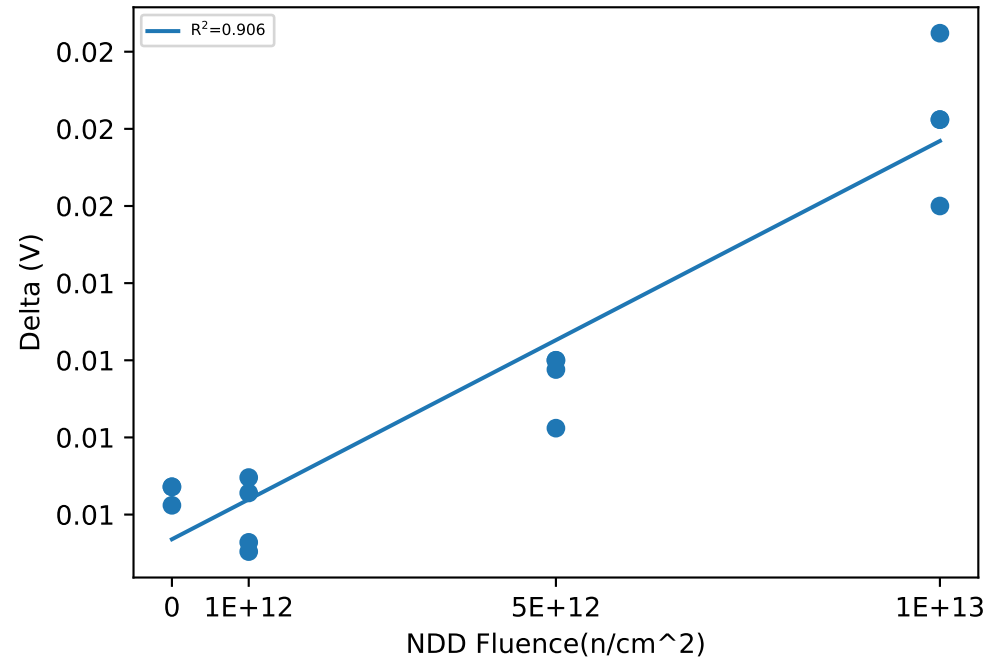
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.188	1.1937	0.0057
315	1e+12	NDD Unbiased	1.1702	1.174	0.0038
316	1e+12	NDD Unbiased	1.1662	1.1724	0.0062
317	1e+12	NDD Unbiased	1.178	1.1821	0.0041
318	5e+12	NDD Unbiased	1.2146	1.2224	0.0078
319	5e+12	NDD Unbiased	1.178	1.1877	0.0097
320	5e+12	NDD Unbiased	1.1968	1.2068	0.01
321	5e+12	NDD Unbiased	1.174	1.184	0.01
322	1e+13	NDD Unbiased	1.1824	1.203	0.0206
323	1e+13	NDD Unbiased	1.178	1.193	0.015
324	1e+13	NDD Unbiased	1.1777	1.1955	0.0178
325	1e+13	NDD Unbiased	1.1874	1.2052	0.0178
326	0	Correlation	1.1743	1.1802	0.0059
327	0	Correlation	1.174	1.1799	0.0059
328	0	Correlation	1.1684	1.1737	0.0053

NDD vs Post - Pre Exposure Delta

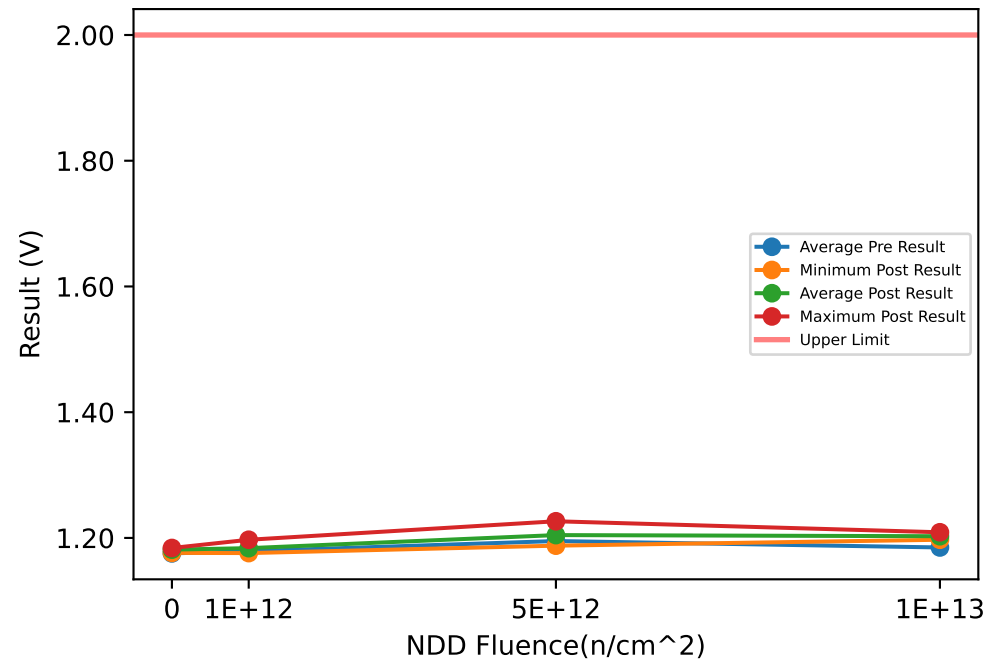


Test Statistics (V)

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	1.1684	1.1722	1.1743	0.0033232	1.1737	1.1779	1.1802	0.0036692	0.0053	0.0057	0.0059	0.00034641
1e+12	1.1662	1.1756	1.188	0.0096097	1.1724	1.1805	1.1937	0.0097408	0.0038	0.00495	0.0062	0.001179
5e+12	1.174	1.1908	1.2146	0.018695	1.184	1.2002	1.2224	0.017843	0.0078	0.009375	0.01	0.0010595
1e+13	1.1777	1.1814	1.1874	0.0045551	1.193	1.1992	1.2052	0.0058472	0.015	0.0178	0.0206	0.0022862

Device Test: 6.43; VIN_VALID

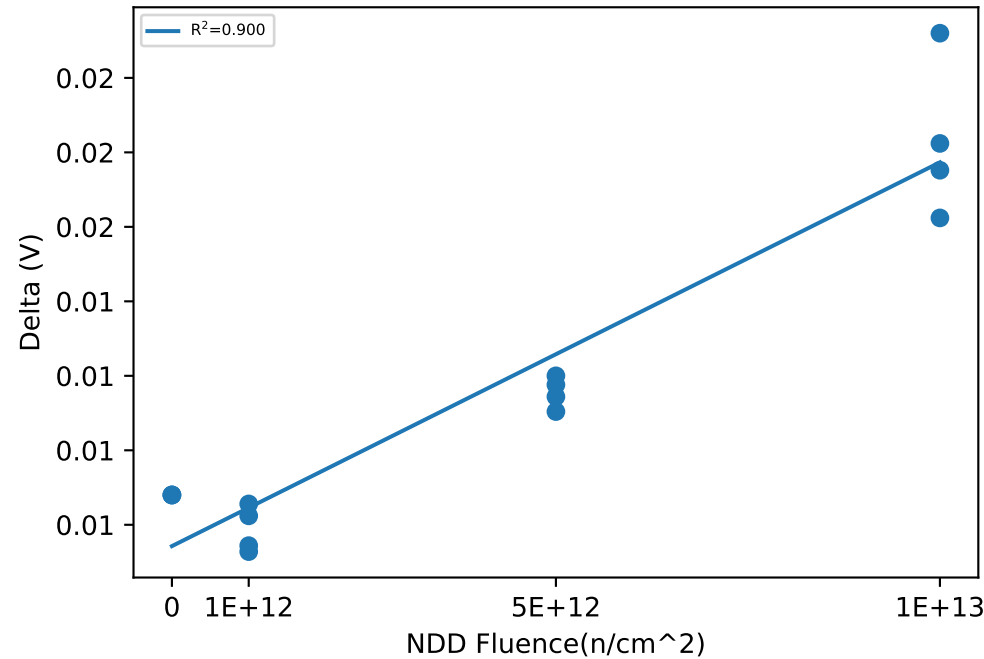
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1918	1.1971	0.0053
315	1e+12	NDD Unbiased	1.1737	1.178	0.0043
316	1e+12	NDD Unbiased	1.1702	1.1759	0.0057
317	1e+12	NDD Unbiased	1.1799	1.184	0.0041
318	5e+12	NDD Unbiased	1.2165	1.2265	0.01
319	5e+12	NDD Unbiased	1.1824	1.1912	0.0088
320	5e+12	NDD Unbiased	1.203	1.2127	0.0097
321	5e+12	NDD Unbiased	1.1784	1.1877	0.0093
322	1e+13	NDD Unbiased	1.184	1.2055	0.0215
323	1e+13	NDD Unbiased	1.1818	1.1971	0.0153
324	1e+13	NDD Unbiased	1.1824	1.1993	0.0169
325	1e+13	NDD Unbiased	1.1912	1.209	0.0178
326	0	Correlation	1.178	1.184	0.006
327	0	Correlation	1.178	1.184	0.006
328	0	Correlation	1.1702	1.1762	0.006

NDD vs Post - Pre Exposure Delta

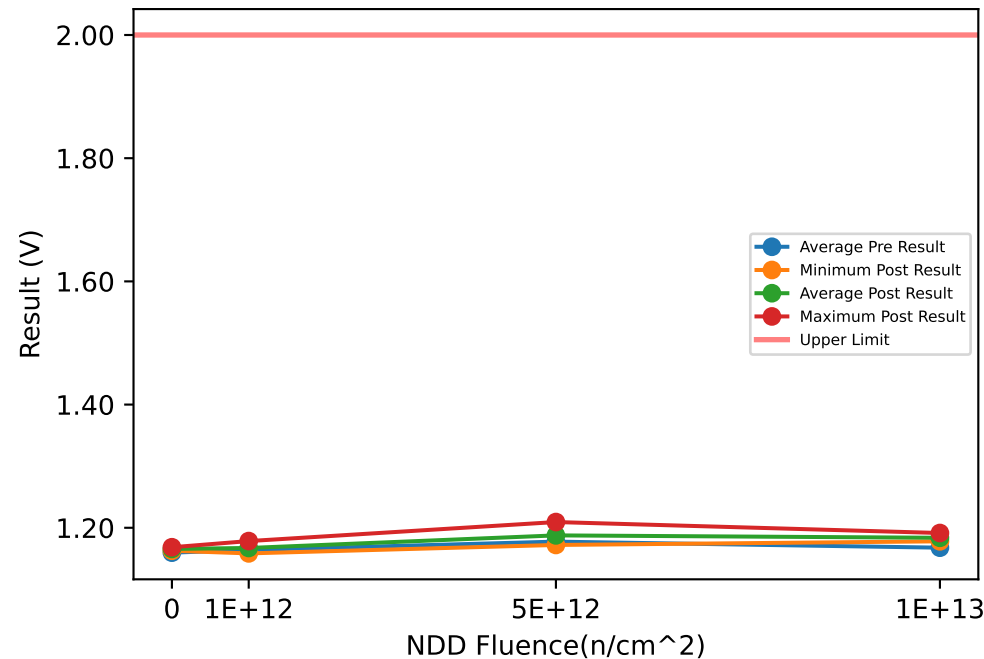


Test Statistics (V)

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	1.1702	1.1754	1.178	0.0045033	1.1762	1.1814	1.184	0.0045033	0.006	0.006	0.006	0
1e+12	1.1702	1.1789	1.1918	0.0094893	1.1759	1.1837	1.1971	0.0095389	0.0041	0.00485	0.0057	0.00077244
5e+12	1.1784	1.1951	1.2165	0.017894	1.1877	1.2045	1.2265	0.018352	0.0088	0.00945	0.01	0.00051962
1e+13	1.1818	1.1848	1.1912	0.004334	1.1971	1.2027	1.209	0.0054908	0.0153	0.017875	0.0215	0.0026285

Device Test: 6.44; VIN_VALID

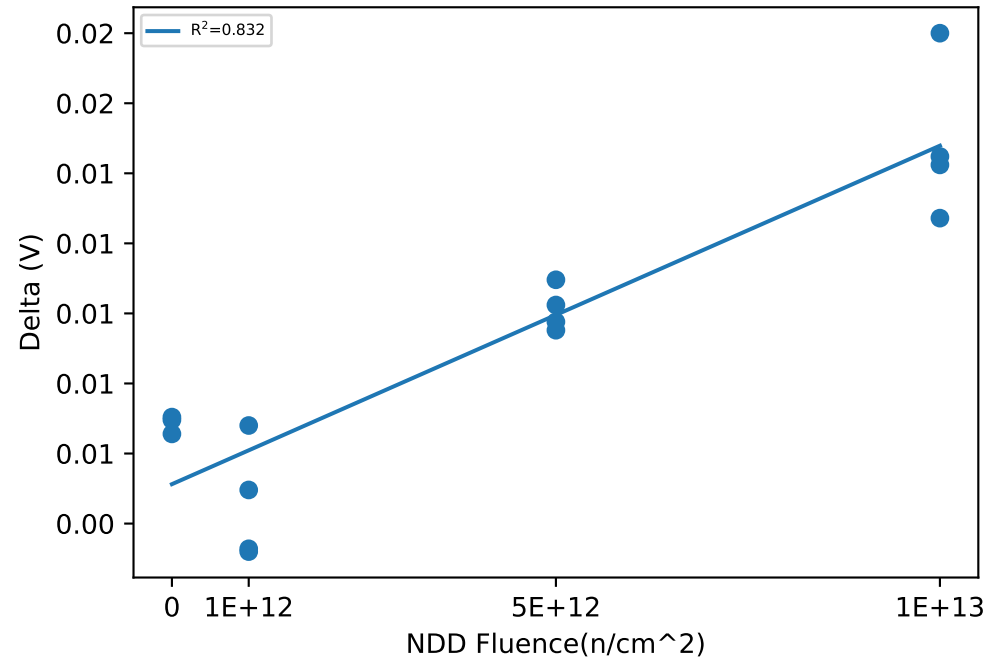
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1724	1.1784	0.006
315	1e+12	NDD Unbiased	1.1606	1.1621	0.0015
316	1e+12	NDD Unbiased	1.1568	1.1584	0.0016
317	1e+12	NDD Unbiased	1.1662	1.1699	0.0037
318	5e+12	NDD Unbiased	1.199	1.2093	0.0103
319	5e+12	NDD Unbiased	1.1662	1.1774	0.0112
320	5e+12	NDD Unbiased	1.1824	1.1918	0.0094
321	5e+12	NDD Unbiased	1.1624	1.1721	0.0097
322	1e+13	NDD Unbiased	1.1659	1.1859	0.02
323	1e+13	NDD Unbiased	1.1646	1.178	0.0134
324	1e+13	NDD Unbiased	1.1643	1.1796	0.0153
325	1e+13	NDD Unbiased	1.1759	1.1915	0.0156
326	0	Correlation	1.1602	1.1659	0.0057
327	0	Correlation	1.1621	1.1684	0.0063
328	0	Correlation	1.1565	1.1627	0.0062

NDD vs Post - Pre Exposure Delta

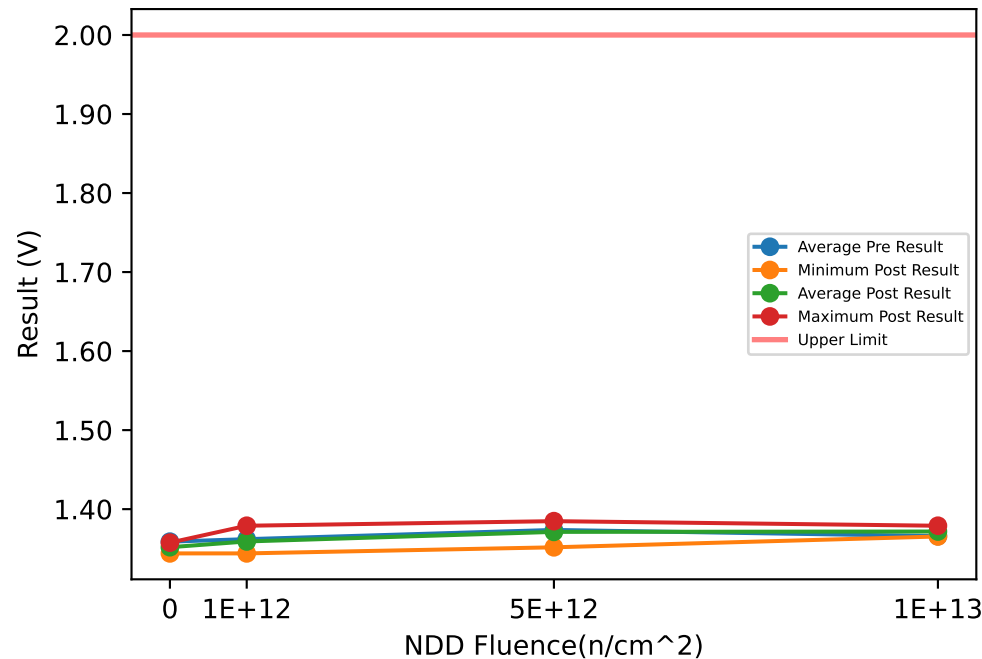


Test Statistics (V)

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	1.1565	1.1596	1.1621	0.0028478	1.1627	1.1657	1.1684	0.0028572	0.0057	0.0060667	0.0063	0.00032146
1e+12	1.1568	1.164	1.1724	0.006802	1.1584	1.1672	1.1784	0.0088728	0.0015	0.0032	0.006	0.0021245
5e+12	1.1624	1.1775	1.199	0.016753	1.1721	1.1877	1.2093	0.016661	0.0094	0.01015	0.0112	0.00079373
1e+13	1.1643	1.1677	1.1759	0.0055271	1.178	1.1837	1.1915	0.0061906	0.0134	0.016075	0.02	0.0027921

Device Test: 6.45; VIN_VALID

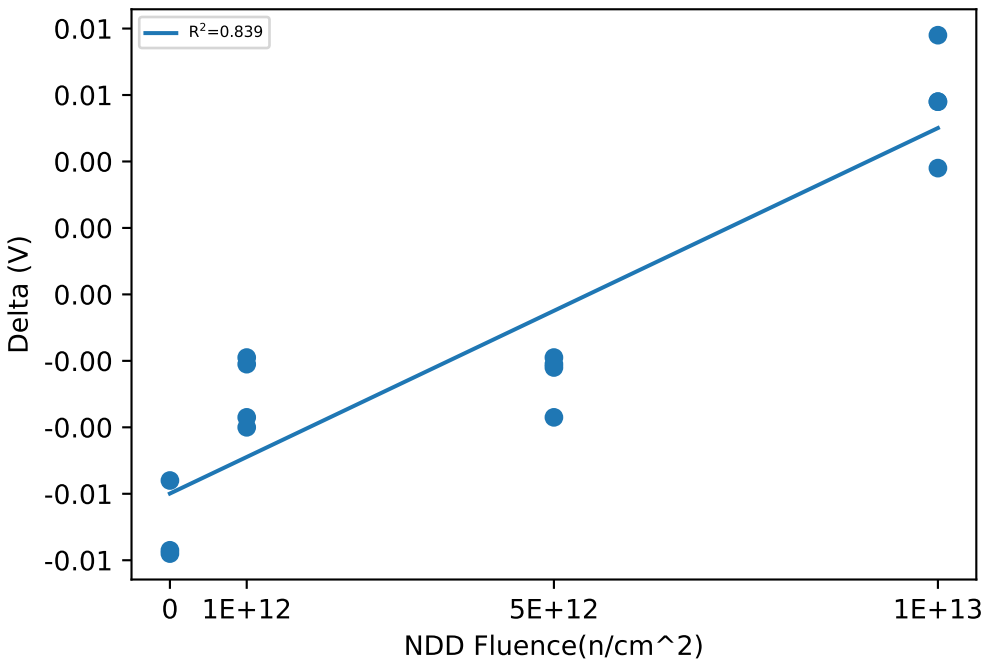
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.3811	1.379	-0.0021
315	1e+12	NDD Unbiased	1.3576	1.3539	-0.0037
316	1e+12	NDD Unbiased	1.3459	1.344	-0.0019
317	1e+12	NDD Unbiased	1.3635	1.3595	-0.004
318	5e+12	NDD Unbiased	1.3867	1.3848	-0.0019
319	5e+12	NDD Unbiased	1.3675	1.3654	-0.0021
320	5e+12	NDD Unbiased	1.3867	1.383	-0.0037
321	5e+12	NDD Unbiased	1.3539	1.3517	-0.0022
322	1e+13	NDD Unbiased	1.3654	1.3712	0.0058
323	1e+13	NDD Unbiased	1.3616	1.3654	0.0038
324	1e+13	NDD Unbiased	1.3654	1.3712	0.0058
325	1e+13	NDD Unbiased	1.3712	1.379	0.0078
326	0	Correlation	1.3595	1.3539	-0.0056
327	0	Correlation	1.3654	1.3576	-0.0078
328	0	Correlation	1.3517	1.344	-0.0077

NDD vs Post - Pre Exposure Delta

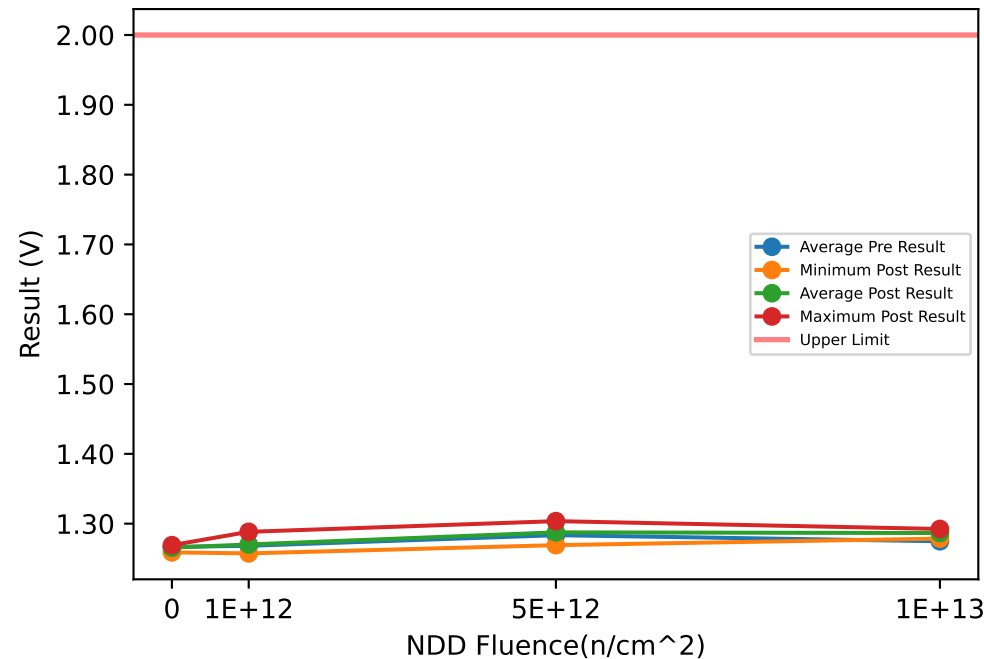


Test Statistics (V)

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	1.3517	1.3589	1.3654	0.0068719	1.344	1.3518	1.3576	0.0070316	-0.0078	-0.0070333	-0.0056	0.0012423
1e+12	1.3459	1.362	1.3811	0.01467	1.344	1.3591	1.379	0.014733	-0.004	-0.002925	-0.0019	0.0010782
5e+12	1.3539	1.3737	1.3867	0.016005	1.3517	1.3712	1.3848	0.015685	-0.0037	-0.002475	-0.0019	0.00082614
1e+13	1.3616	1.3659	1.3712	0.0039615	1.3654	1.3717	1.379	0.0055821	0.0038	0.0058	0.0078	0.001633

Device Test: 6.46; VIN_VALID

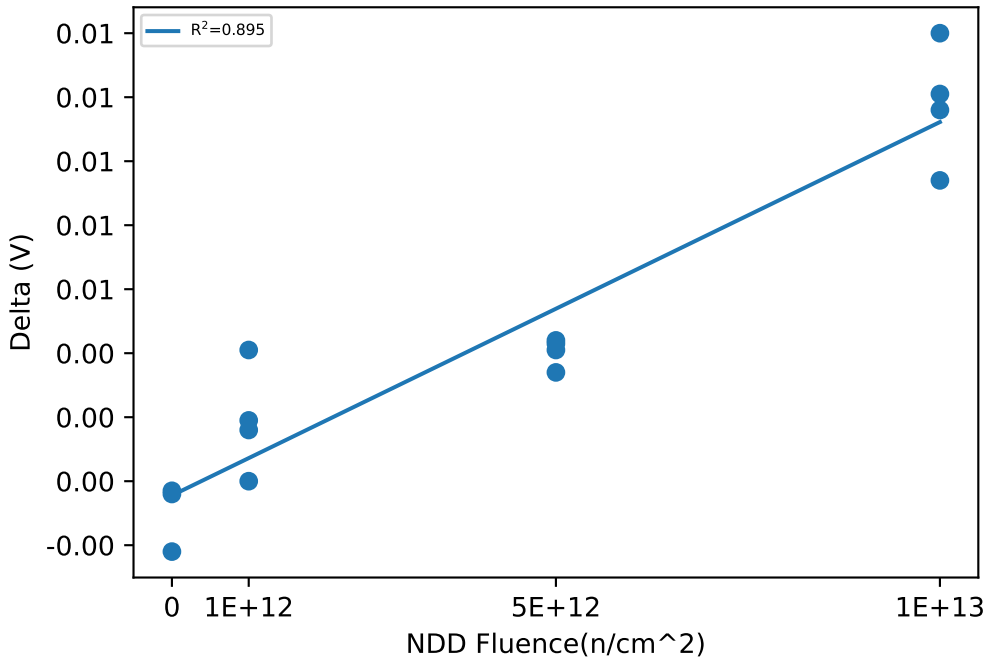
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.2842	1.2883	0.0041
315	1e+12	NDD Unbiased	1.2639	1.2639	0
316	1e+12	NDD Unbiased	1.2558	1.2574	0.0016
317	1e+12	NDD Unbiased	1.2692	1.2711	0.0019
318	5e+12	NDD Unbiased	1.3002	1.3036	0.0034
319	5e+12	NDD Unbiased	1.2727	1.2771	0.0044
320	5e+12	NDD Unbiased	1.2961	1.3002	0.0041
321	5e+12	NDD Unbiased	1.2649	1.2692	0.0043
322	1e+13	NDD Unbiased	1.2746	1.2886	0.014
323	1e+13	NDD Unbiased	1.2692	1.2786	0.0094
324	1e+13	NDD Unbiased	1.2746	1.2867	0.0121
325	1e+13	NDD Unbiased	1.2808	1.2924	0.0116
326	0	Correlation	1.2696	1.2692	-0.0004
327	0	Correlation	1.2711	1.2689	-0.0022
328	0	Correlation	1.2592	1.2589	-0.0003

NDD vs Post - Pre Exposure Delta

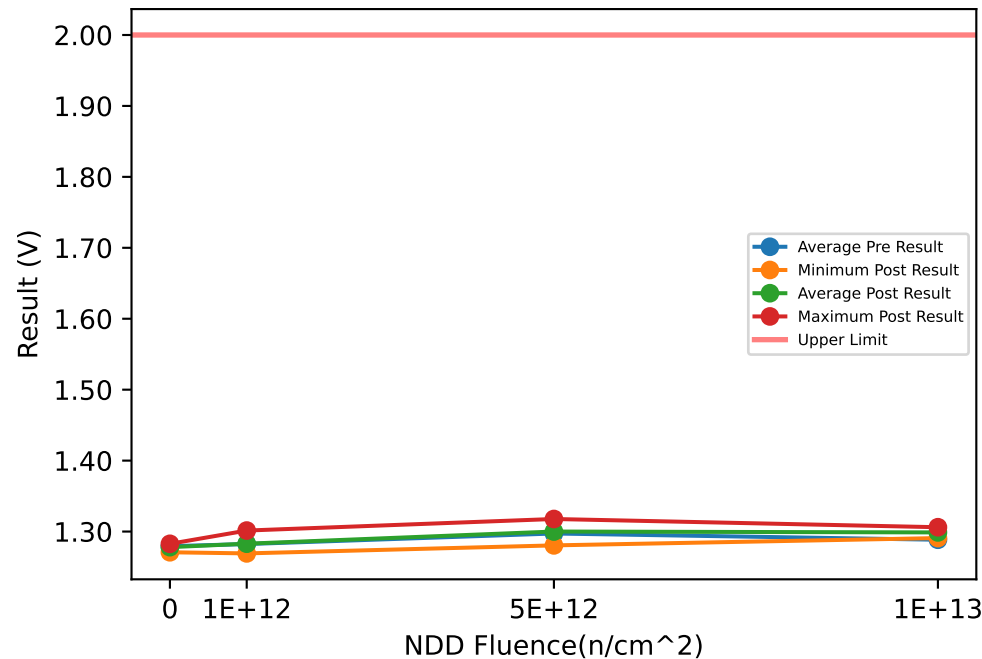


Test Statistics (V)

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	1.2592	1.2666	1.2711	0.006481	1.2589	1.2657	1.2692	0.005862	-0.0022	-0.00096667	-0.0003	0.0010693
1e+12	1.2558	1.2683	1.2842	0.011961	1.2574	1.2702	1.2883	0.013316	0	0.0019	0.0041	0.0016872
5e+12	1.2649	1.2835	1.3002	0.017323	1.2692	1.2875	1.3036	0.016966	0.0034	0.00405	0.0044	0.00045092
1e+13	1.2692	1.2748	1.2808	0.0047413	1.2786	1.2866	1.2924	0.0058209	0.0094	0.011775	0.014	0.001891

Device Test: 6.47; VIN_VALID

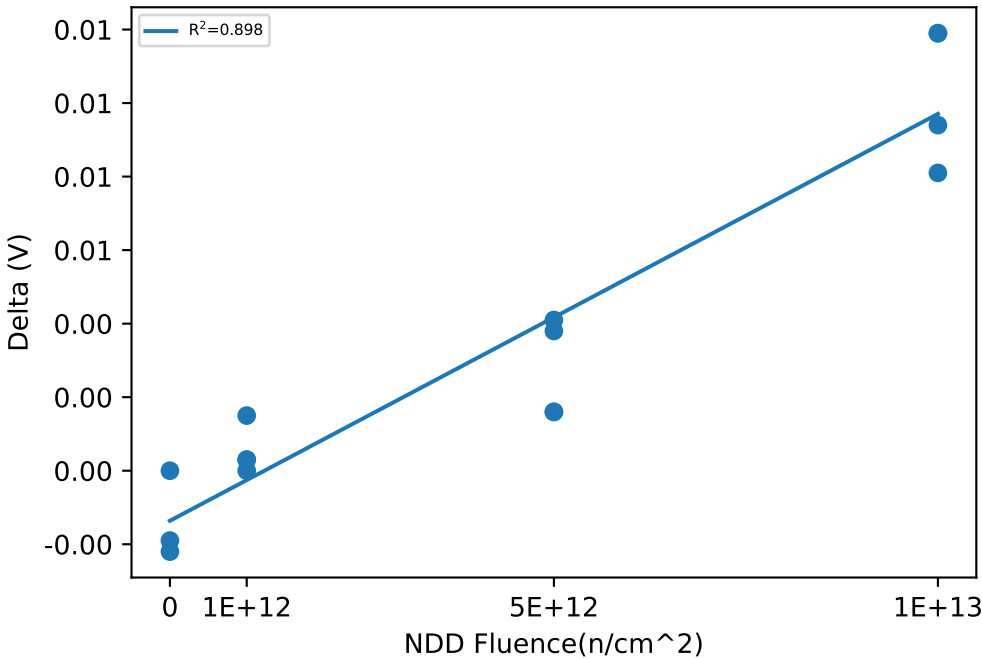
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.2999	1.3014	0.0015
315	1e+12	NDD Unbiased	1.2764	1.2764	0
316	1e+12	NDD Unbiased	1.2689	1.2692	0.0003
317	1e+12	NDD Unbiased	1.2842	1.2845	0.0003
318	5e+12	NDD Unbiased	1.3139	1.3177	0.0038
319	5e+12	NDD Unbiased	1.2864	1.2905	0.0041
320	5e+12	NDD Unbiased	1.3098	1.3114	0.0016
321	5e+12	NDD Unbiased	1.2789	1.2805	0.0016
322	1e+13	NDD Unbiased	1.2883	1.3002	0.0119
323	1e+13	NDD Unbiased	1.2827	1.2908	0.0081
324	1e+13	NDD Unbiased	1.2886	1.298	0.0094
325	1e+13	NDD Unbiased	1.2942	1.3061	0.0119
326	0	Correlation	1.2827	1.2805	-0.0022
327	0	Correlation	1.2827	1.2827	0
328	0	Correlation	1.2727	1.2708	-0.0019

NDD vs Post - Pre Exposure Delta

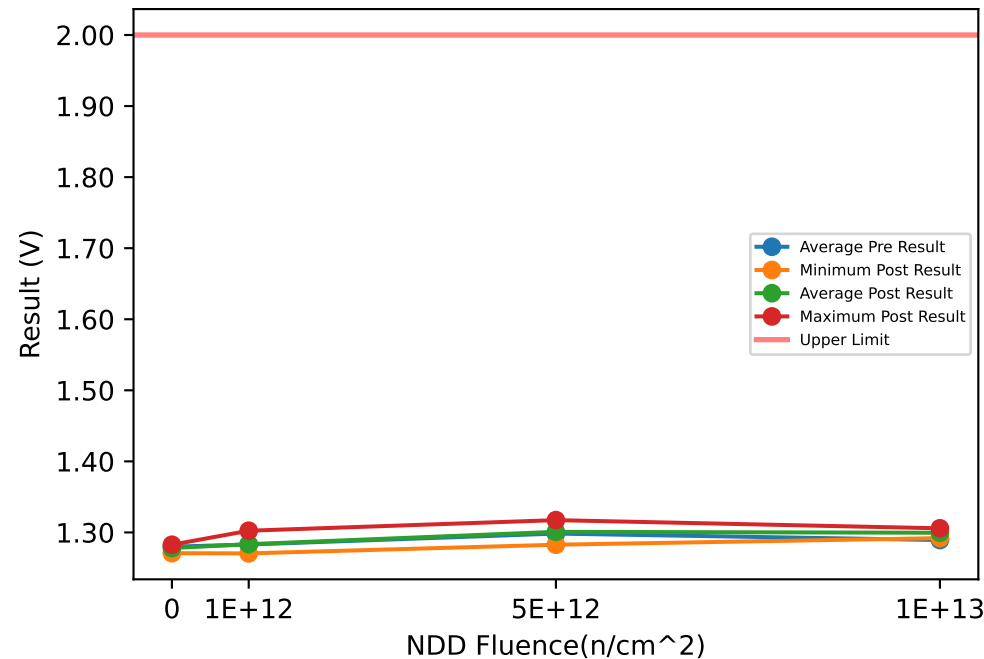


Test Statistics (V)

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	1.2727	1.2794	1.2827	0.0057735	1.2708	1.278	1.2827	0.0063317	-0.0022	-0.0013667	0	0.001193
1e+12	1.2689	1.2824	1.2999	0.013263	1.2692	1.2829	1.3014	0.013841	0	0.000525	0.0015	0.00066521
5e+12	1.2789	1.2973	1.3139	0.017216	1.2805	1.3	1.3177	0.017452	0.0016	0.002775	0.0041	0.0013623
1e+13	1.2827	1.2885	1.2942	0.0046965	1.2908	1.2988	1.3061	0.0063216	0.0081	0.010325	0.0119	0.0018945

Device Test: 6.48; VIN_VALID

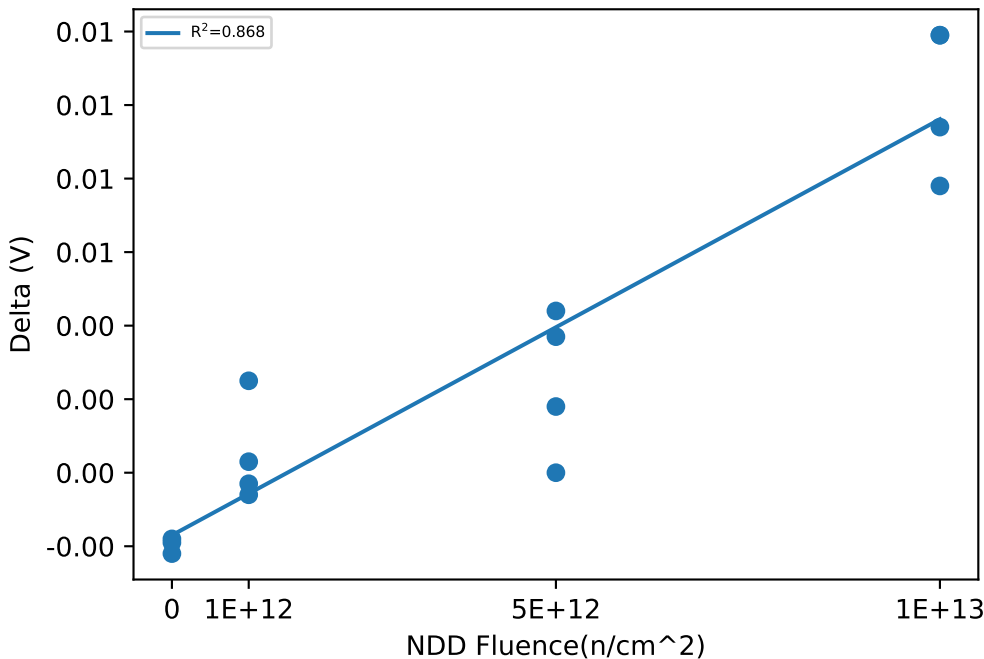
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.2999	1.3024	0.0025
315	1e+12	NDD Unbiased	1.2764	1.2767	0.0003
316	1e+12	NDD Unbiased	1.2711	1.2705	-0.0006
317	1e+12	NDD Unbiased	1.2845	1.2842	-0.0003
318	5e+12	NDD Unbiased	1.3155	1.3173	0.0018
319	5e+12	NDD Unbiased	1.2883	1.292	0.0037
320	5e+12	NDD Unbiased	1.3114	1.3114	0
321	5e+12	NDD Unbiased	1.2783	1.2827	0.0044
322	1e+13	NDD Unbiased	1.2883	1.3002	0.0119
323	1e+13	NDD Unbiased	1.2842	1.292	0.0078
324	1e+13	NDD Unbiased	1.2883	1.3002	0.0119
325	1e+13	NDD Unbiased	1.2964	1.3058	0.0094
326	0	Correlation	1.2827	1.2805	-0.0022
327	0	Correlation	1.2845	1.2827	-0.0018
328	0	Correlation	1.2727	1.2708	-0.0019

NDD vs Post - Pre Exposure Delta

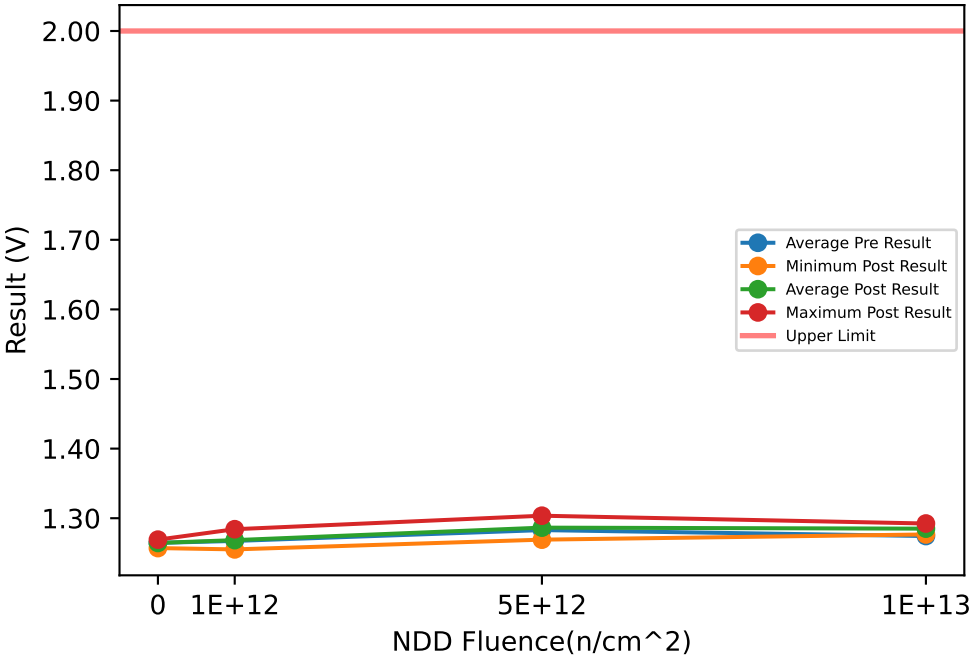


Test Statistics (V)

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	1.2727	1.28	1.2845	0.0063571	1.2708	1.278	1.2827	0.0063317	-0.0022	-0.0019667	-0.0018	0.00020817
1e+12	1.2711	1.283	1.2999	0.012557	1.2705	1.2834	1.3024	0.013819	-0.0006	0.000475	0.0025	0.0014009
5e+12	1.2783	1.2984	1.3155	0.017958	1.2827	1.3009	1.3173	0.016224	0	0.002475	0.0044	0.0019822
1e+13	1.2842	1.2893	1.2964	0.0051127	1.292	1.2995	1.3058	0.0056836	0.0078	0.01025	0.0119	0.0020141

Device Test: 6.49; VIN_VALID

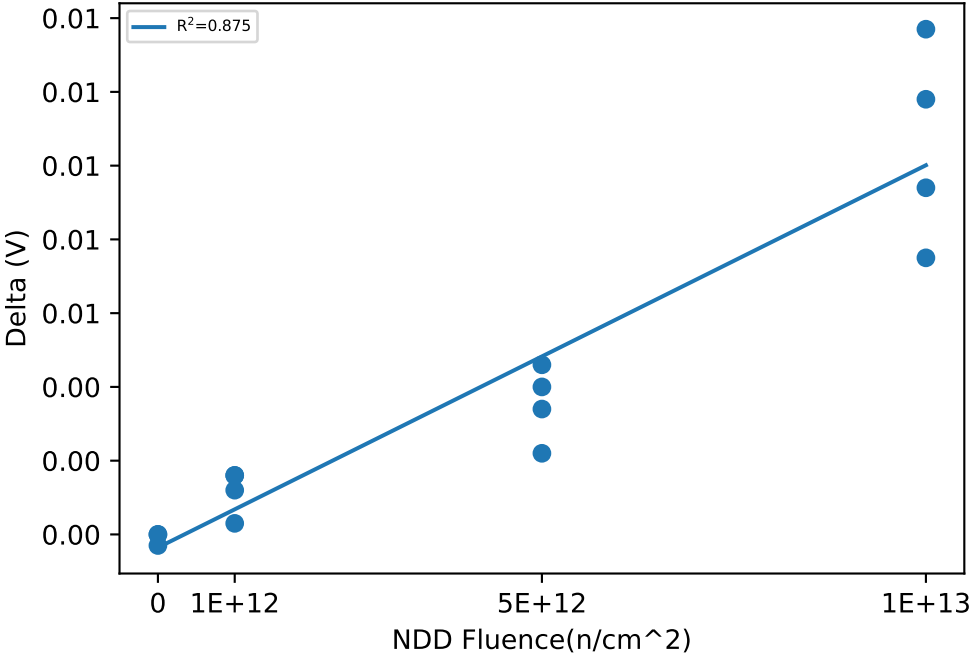
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.283	1.2842	0.0012
315	1e+12	NDD Unbiased	1.2636	1.2639	0.0003
316	1e+12	NDD Unbiased	1.2536	1.2552	0.0016
317	1e+12	NDD Unbiased	1.2692	1.2708	0.0016
318	5e+12	NDD Unbiased	1.3002	1.3036	0.0034
319	5e+12	NDD Unbiased	1.2727	1.2767	0.004
320	5e+12	NDD Unbiased	1.2942	1.2964	0.0022
321	5e+12	NDD Unbiased	1.2646	1.2692	0.0046
322	1e+13	NDD Unbiased	1.2727	1.2864	0.0137
323	1e+13	NDD Unbiased	1.2692	1.2767	0.0075
324	1e+13	NDD Unbiased	1.2727	1.2845	0.0118
325	1e+13	NDD Unbiased	1.283	1.2924	0.0094
326	0	Correlation	1.2671	1.2671	0
327	0	Correlation	1.2692	1.2692	0
328	0	Correlation	1.2574	1.2571	-0.0003

NDD vs Post - Pre Exposure Delta

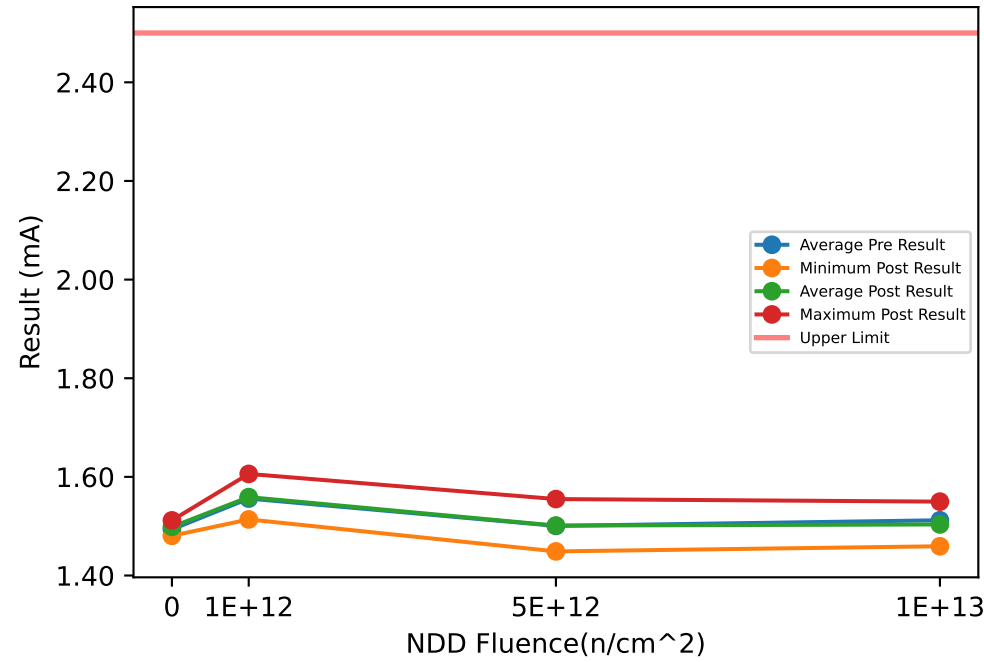


Test Statistics (V)

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	1.2574	1.2646	1.2692	0.0062947	1.2571	1.2645	1.2692	0.0064655	-0.0003	-0.0001	0	0.00017321
1e+12	1.2536	1.2673	1.283	0.012267	1.2552	1.2685	1.2842	0.012245	0.0003	0.001175	0.0016	0.00061305
5e+12	1.2646	1.2829	1.3002	0.016989	1.2692	1.2865	1.3036	0.016184	0.0022	0.00355	0.0046	0.0010247
1e+13	1.2692	1.2744	1.283	0.005966	1.2767	1.285	1.2924	0.0064771	0.0075	0.0106	0.0137	0.0027142

Device Test: 6.5; IQ

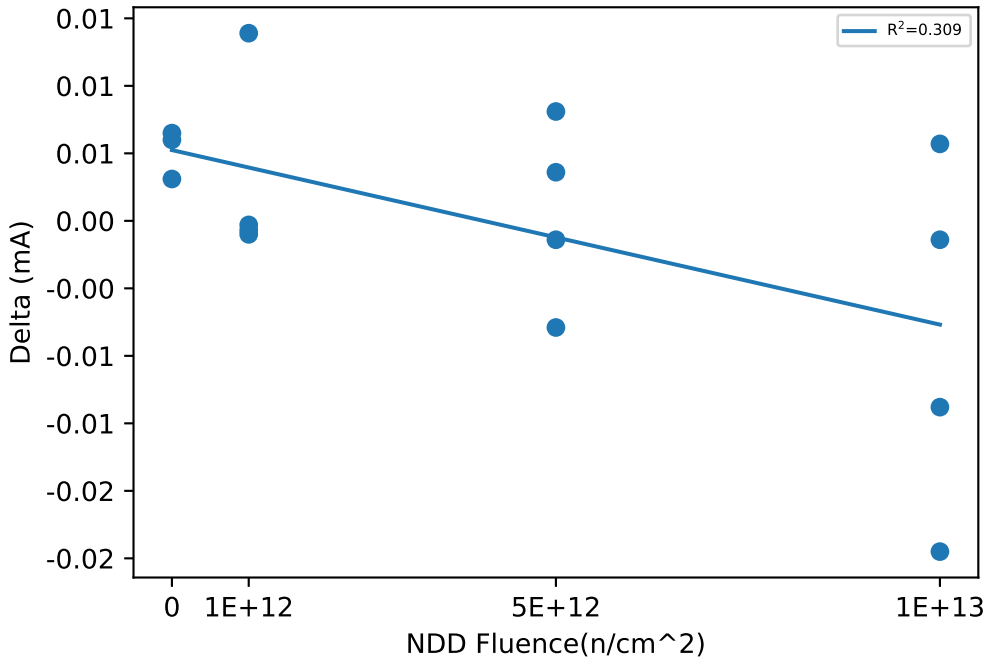
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.6067	1.606	-0.0007
315	1e+12	NDD Unbiased	1.514	1.5137	-0.0003
316	1e+12	NDD Unbiased	1.5812	1.5951	0.0139
317	1e+12	NDD Unbiased	1.5222	1.5212	-0.001
318	5e+12	NDD Unbiased	1.5089	1.5125	0.0036
319	5e+12	NDD Unbiased	1.4899	1.4885	-0.0014
320	5e+12	NDD Unbiased	1.5469	1.555	0.0081
321	5e+12	NDD Unbiased	1.4568	1.4489	-0.0079
322	1e+13	NDD Unbiased	1.5327	1.5384	0.0057
323	1e+13	NDD Unbiased	1.4911	1.4666	-0.0245
324	1e+13	NDD Unbiased	1.4731	1.4593	-0.0138
325	1e+13	NDD Unbiased	1.5512	1.5498	-0.0014
326	0	Correlation	1.5005	1.5036	0.0031
327	0	Correlation	1.5053	1.5118	0.0065
328	0	Correlation	1.4745	1.4805	0.006

NDD vs Post - Pre Exposure Delta

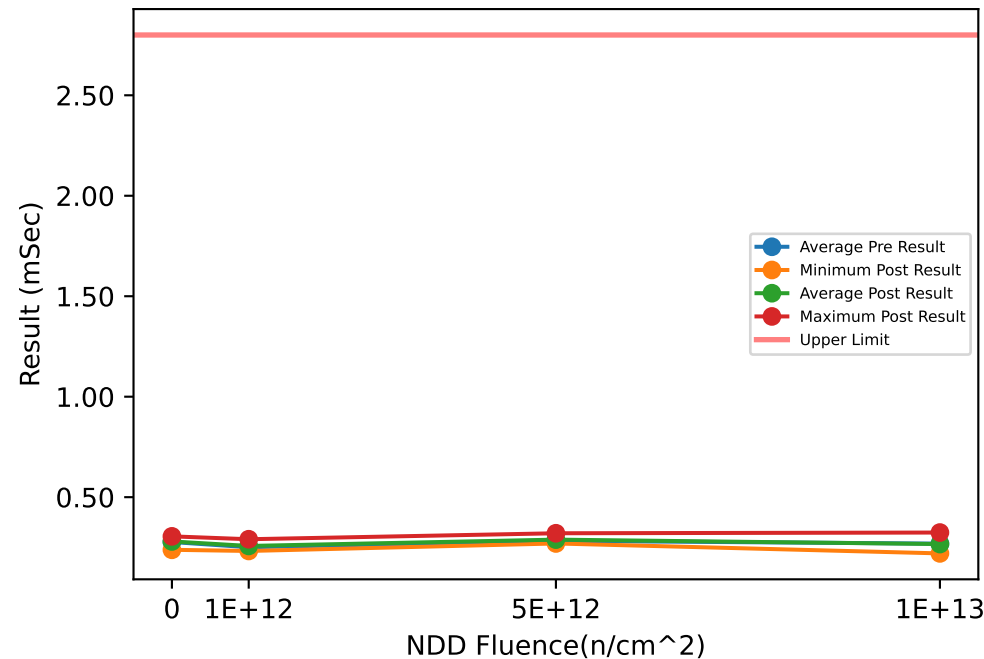


Test Statistics (mA)

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	1.4745	1.4934	1.5053	0.016571	1.4805	1.4986	1.5118	0.01623	0.0031	0.0052	0.0065	0.0018358
1e+12	1.514	1.556	1.6067	0.045137	1.5137	1.559	1.606	0.048281	-0.001	0.002975	0.0139	0.007289
5e+12	1.4568	1.5006	1.5469	0.037619	1.4489	1.5012	1.555	0.044417	-0.0079	0.0006	0.0081	0.0068678
1e+13	1.4731	1.512	1.5512	0.036125	1.4593	1.5035	1.5498	0.047177	-0.0245	-0.0085	0.0057	0.013368

Device Test: 6.50; START_DLY

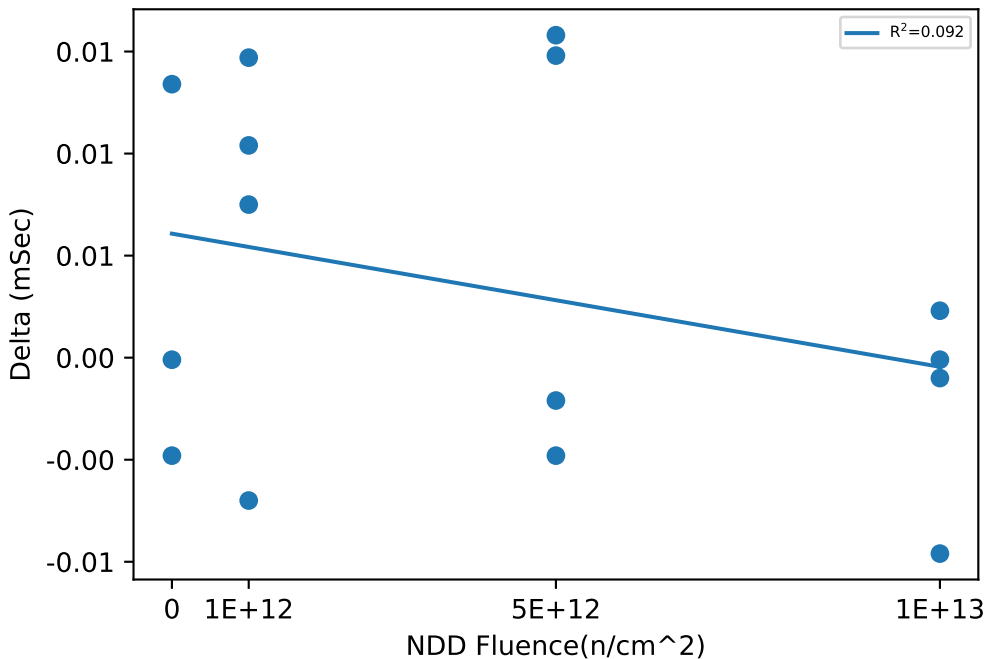
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (mSec))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2176	0.2323	0.0147
315	1e+12	NDD Unbiased	0.2262	0.2337	0.0075
316	1e+12	NDD Unbiased	0.2803	0.2907	0.0104
317	1e+12	NDD Unbiased	0.2795	0.2725	-0.007
318	5e+12	NDD Unbiased	0.3252	0.3204	-0.0048
319	5e+12	NDD Unbiased	0.2631	0.2779	0.0148
320	5e+12	NDD Unbiased	0.2713	0.2871	0.0158
321	5e+12	NDD Unbiased	0.2717	0.2696	-0.0021
322	1e+13	NDD Unbiased	0.2179	0.2202	0.0023
323	1e+13	NDD Unbiased	0.3062	0.2966	-0.0096
324	1e+13	NDD Unbiased	0.3241	0.324	-0.0001
325	1e+13	NDD Unbiased	0.2268	0.2258	-0.001
326	0	Correlation	0.2961	0.296	-0.0001
327	0	Correlation	0.2429	0.2381	-0.0048
328	0	Correlation	0.2916	0.305	0.0134

NDD vs Post - Pre Exposure Delta

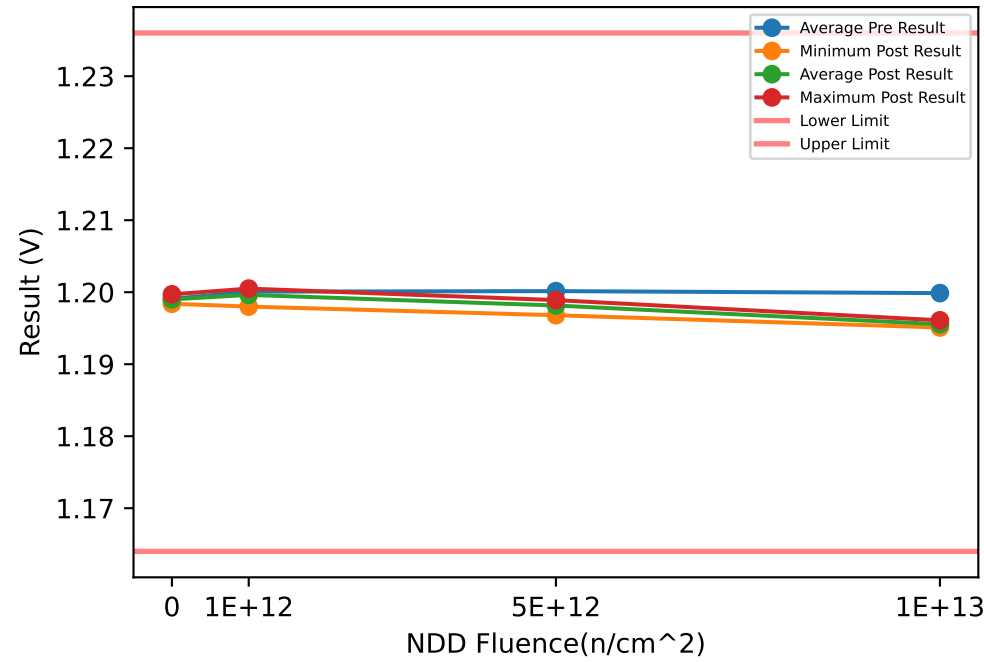


Test Statistics (mSec)

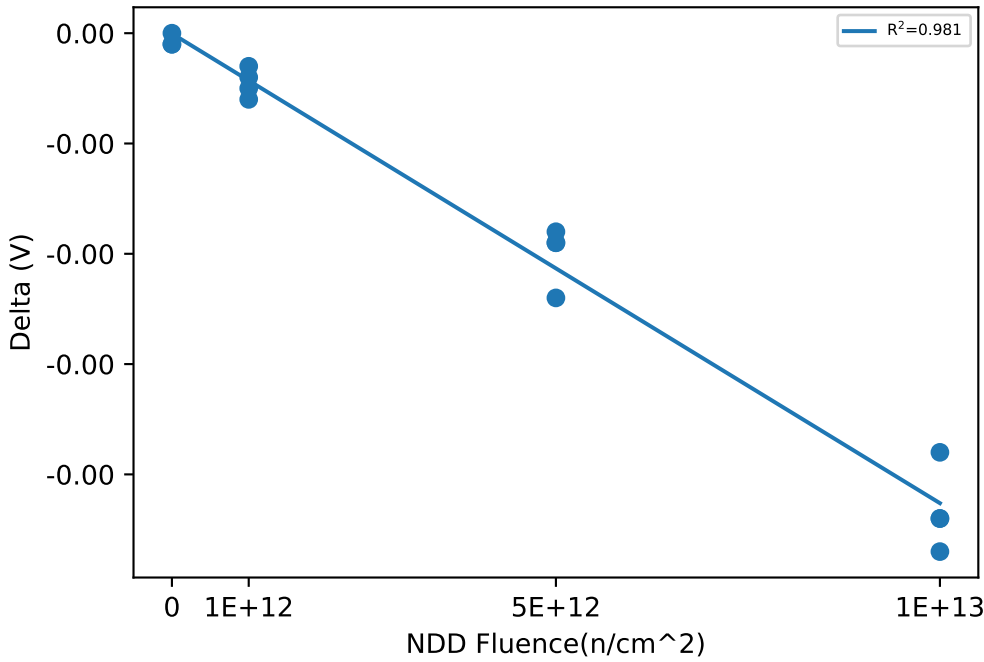
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2429	0.27687	0.2961	0.029502	0.2381	0.2797	0.305	0.036307	-0.0048	0.0028333	0.0134	0.0094479
1e+12	0.2176	0.2509	0.2803	0.033671	0.2323	0.2573	0.2907	0.029032	-0.007	0.0064	0.0147	0.0094103
5e+12	0.2631	0.28282	0.3252	0.028527	0.2696	0.28875	0.3204	0.022278	-0.0048	0.005925	0.0158	0.010889
1e+13	0.2179	0.26875	0.3241	0.054196	0.2202	0.26665	0.324	0.05168	-0.0096	-0.0021	0.0023	0.0051904

Device Test: 6.51; VHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Lower Limit = 1.164, Upper Limit = 1.236 (V))

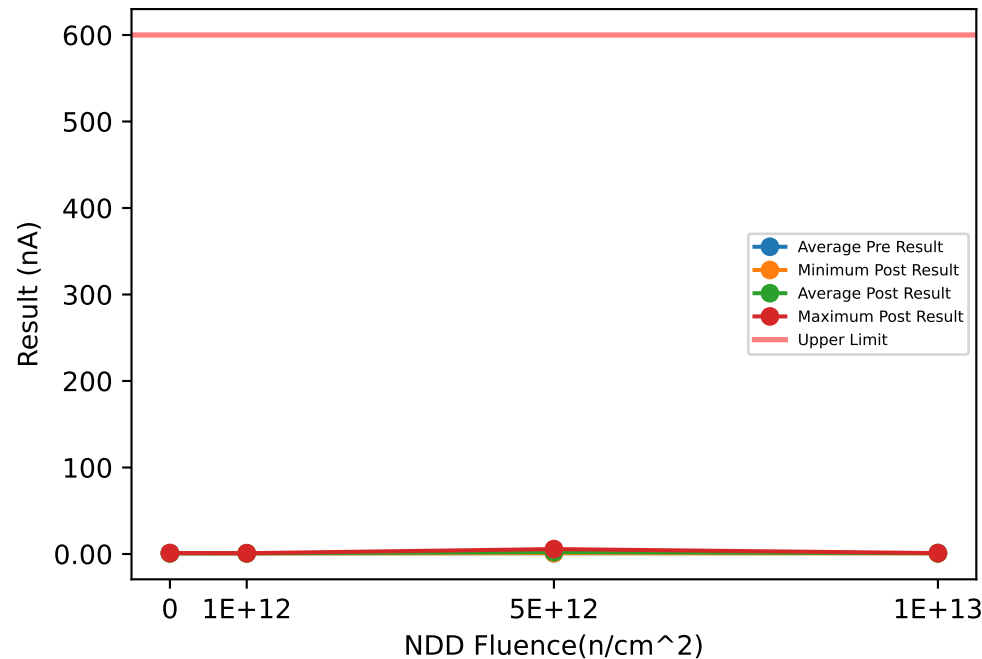
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.1983	1.198	-0.0003
315	1e+12	NDD Unbiased	1.2006	1.2	-0.0006
316	1e+12	NDD Unbiased	1.201	1.2005	-0.0005
317	1e+12	NDD Unbiased	1.2004	1.2	-0.0004
318	5e+12	NDD Unbiased	1.2007	1.1989	-0.0018
319	5e+12	NDD Unbiased	1.2001	1.1982	-0.0019
320	5e+12	NDD Unbiased	1.2006	1.1987	-0.0019
321	5e+12	NDD Unbiased	1.1992	1.1968	-0.0024
322	1e+13	NDD Unbiased	1.1999	1.1961	-0.0038
323	1e+13	NDD Unbiased	1.2003	1.1959	-0.0044
324	1e+13	NDD Unbiased	1.1995	1.1951	-0.0044
325	1e+13	NDD Unbiased	1.1998	1.1951	-0.0047
326	0	Correlation	1.1989	1.1989	0
327	0	Correlation	1.1985	1.1984	-0.0001
328	0	Correlation	1.1998	1.1997	-0.0001

Test Statistics (V)

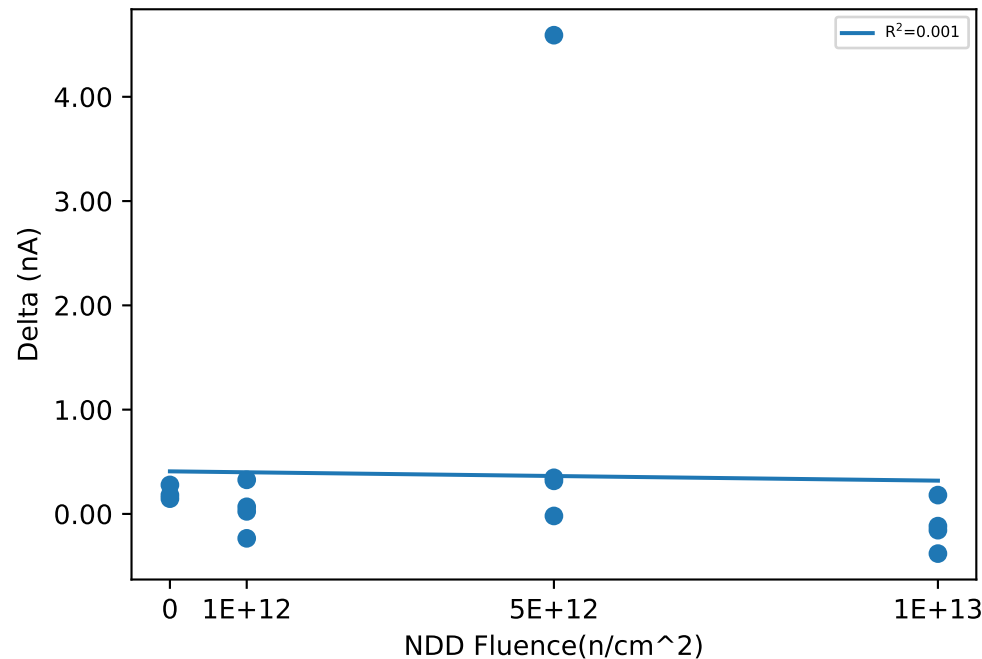
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1985	1.1991	1.1998	0.00066583	1.1984	1.199	1.1997	0.00065574	-0.0001	-6.6667e-05	0	5.7735e-05
1e+12	1.1983	1.2001	1.201	0.0012093	1.198	1.1996	1.2005	0.0011087	-0.0006	-0.00045	-0.0003	0.0001291
5e+12	1.1992	1.2002	1.2007	0.00068557	1.1968	1.1982	1.1989	0.00094692	-0.0024	-0.002	-0.0018	0.0002708
1e+13	1.1995	1.1999	1.2003	0.0003304	1.1951	1.1955	1.1961	0.00052599	-0.0047	-0.004325	-0.0038	0.00037749

Device Test: 6.56; PWRGD_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

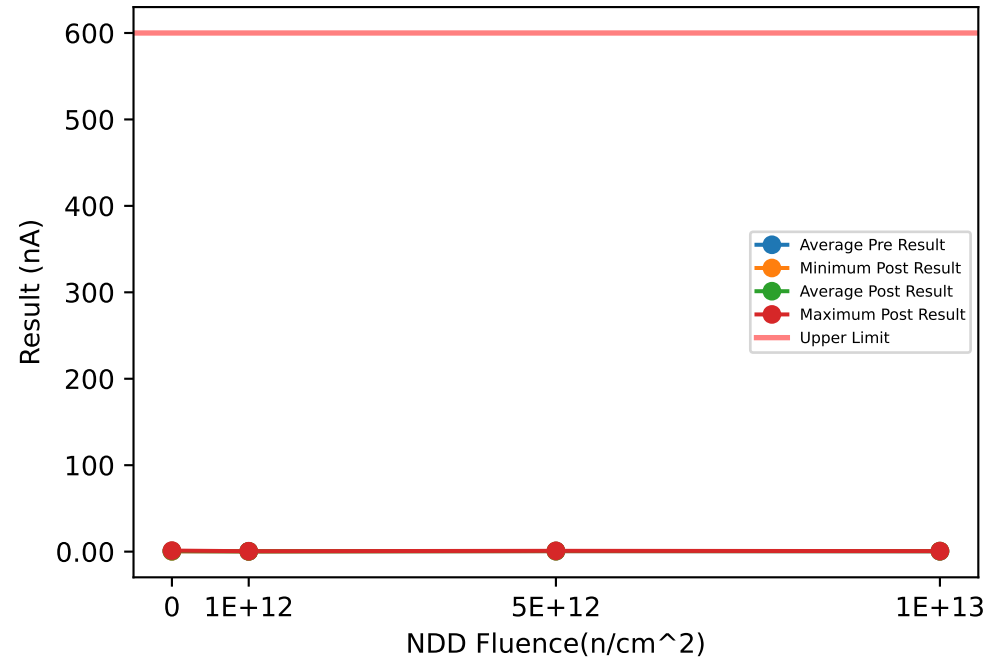
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.6268	0.6951	0.0683
315	1e+12	NDD Unbiased	1.0659	0.8317	-0.2342
316	1e+12	NDD Unbiased	0.6268	0.9537	0.3269
317	1e+12	NDD Unbiased	0.7878	0.8122	0.0244
318	5e+12	NDD Unbiased	1.1049	5.6957	4.5908
319	5e+12	NDD Unbiased	0.9097	0.8902	-0.0195
320	5e+12	NDD Unbiased	0.8707	1.2171	0.3464
321	5e+12	NDD Unbiased	0.7731	1.0903	0.3172
322	1e+13	NDD Unbiased	0.778	0.9585	0.1805
323	1e+13	NDD Unbiased	1.0415	0.8854	-0.1561
324	1e+13	NDD Unbiased	1.0951	0.7146	-0.3805
325	1e+13	NDD Unbiased	1.1781	1.061	-0.1171
326	0	Correlation	0.5243	0.8024	0.2781
327	0	Correlation	0.6609	0.8073	0.1464
328	0	Correlation	0.9585	1.139	0.1805

Test Statistics (nA)

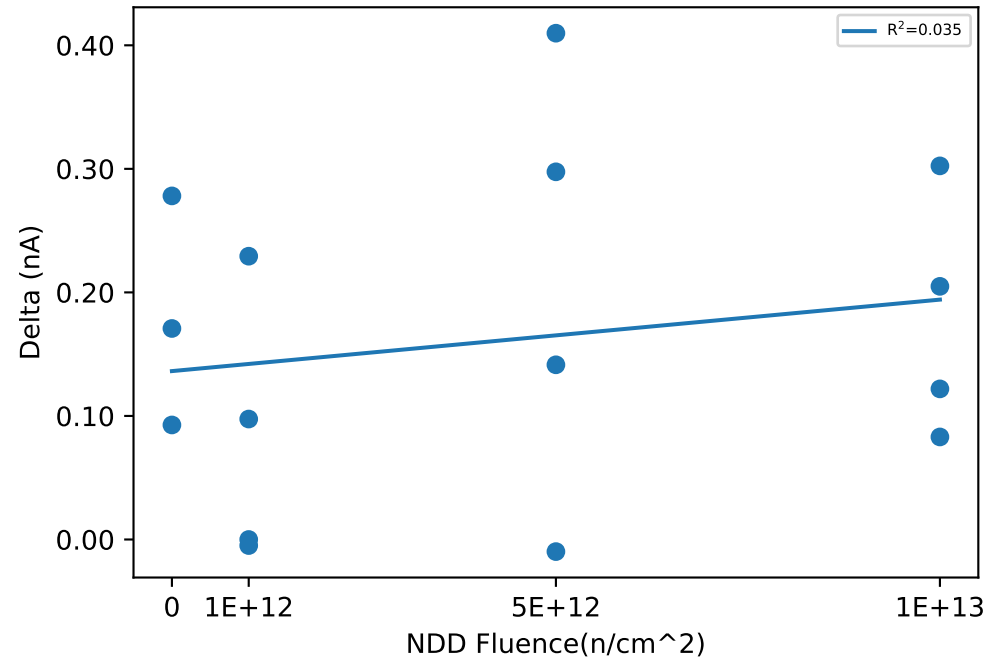
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5243	0.71457	0.9585	0.22202	0.8024	0.91623	1.139	0.19294	0.1464	0.20167	0.2781	0.068354
1e+12	0.6268	0.77682	1.0659	0.20712	0.6951	0.82317	0.9537	0.10588	-0.2342	0.04635	0.3269	0.22977
5e+12	0.7731	0.9146	1.1049	0.13927	0.8902	2.2233	5.6957	2.3188	-0.0195	1.3087	4.5908	2.1943
1e+13	0.778	1.0232	1.1781	0.17284	0.7146	0.90487	1.061	0.14587	-0.3805	-0.1183	0.1805	0.23055

Device Test: 6.57; WDO_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

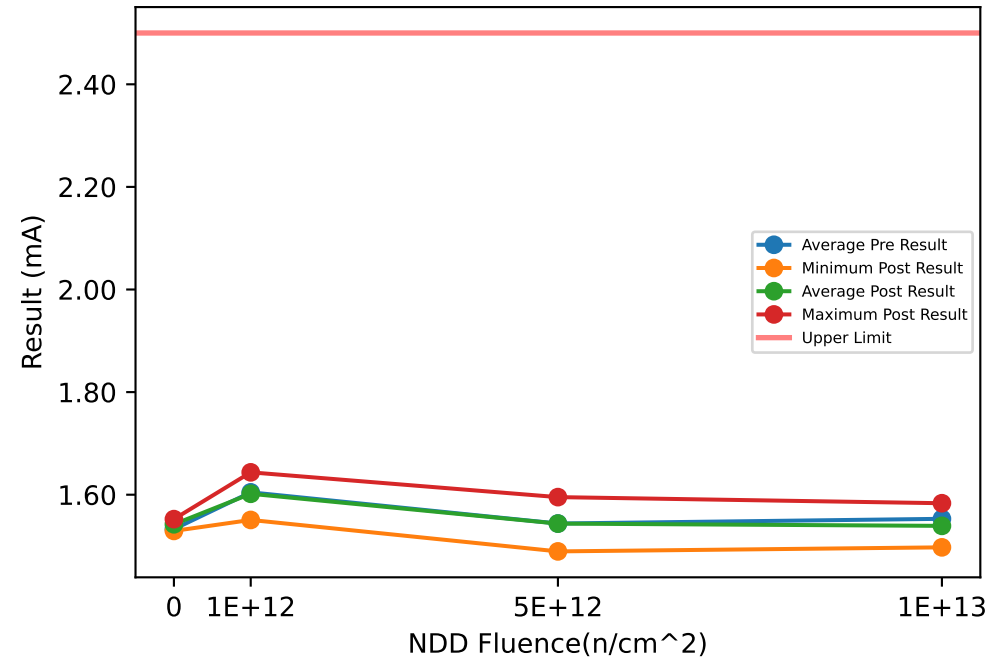
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1709	0.2684	0.0975
315	1e+12	NDD Unbiased	0.2538	0.4831	0.2293
316	1e+12	NDD Unbiased	0.4148	0.4099	-0.0049
317	1e+12	NDD Unbiased	0.3904	0.3904	0
318	5e+12	NDD Unbiased	0.5221	0.9319	0.4098
319	5e+12	NDD Unbiased	0.2245	0.5221	0.2976
320	5e+12	NDD Unbiased	0.9319	0.9221	-0.0098
321	5e+12	NDD Unbiased	0.3758	0.5172	0.1414
322	1e+13	NDD Unbiased	0.4879	0.5709	0.083
323	1e+13	NDD Unbiased	0.3953	0.5172	0.1219
324	1e+13	NDD Unbiased	0.3075	0.6099	0.3024
325	1e+13	NDD Unbiased	0.4148	0.6197	0.2049
326	0	Correlation	0.3221	0.4148	0.0927
327	0	Correlation	0.2001	0.3709	0.1708
328	0	Correlation	0.9416	1.2197	0.2781

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	0.2001	0.48793	0.9416	0.39759	0.3709	0.66847	1.2197	0.47789	0.0927	0.18053	0.2781	0.093082
1e+12	0.1709	0.30747	0.4148	0.11537	0.2684	0.38795	0.4831	0.089132	-0.0049	0.080475	0.2293	0.10985
5e+12	0.2245	0.51358	0.9319	0.3042	0.5172	0.72332	0.9319	0.23523	-0.0098	0.20975	0.4098	0.18313
1e+13	0.3075	0.40137	0.4879	0.074198	0.5172	0.57942	0.6197	0.046531	0.083	0.17805	0.3024	0.097247

Device Test: 6.6; IQ

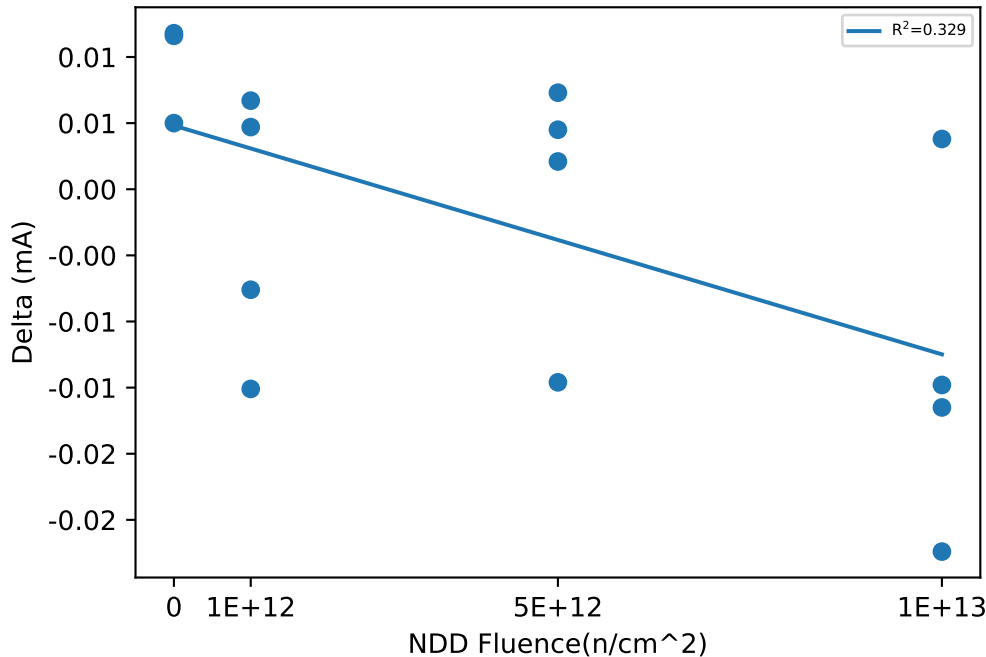
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.6587	1.6436	-0.0151
315	1e+12	NDD Unbiased	1.5584	1.5508	-0.0076
316	1e+12	NDD Unbiased	1.6327	1.6394	0.0067
317	1e+12	NDD Unbiased	1.5687	1.5734	0.0047
318	5e+12	NDD Unbiased	1.5582	1.5603	0.0021
319	5e+12	NDD Unbiased	1.5251	1.5296	0.0045
320	5e+12	NDD Unbiased	1.588	1.5953	0.0073
321	5e+12	NDD Unbiased	1.5041	1.4895	-0.0146
322	1e+13	NDD Unbiased	1.5734	1.5772	0.0038
323	1e+13	NDD Unbiased	1.5265	1.4991	-0.0274
324	1e+13	NDD Unbiased	1.5122	1.4974	-0.0148
325	1e+13	NDD Unbiased	1.5999	1.5834	-0.0165
326	0	Correlation	1.5334	1.5452	0.0118
327	0	Correlation	1.5474	1.5524	0.005
328	0	Correlation	1.5178	1.5294	0.0116

NDD vs Post - Pre Exposure Delta

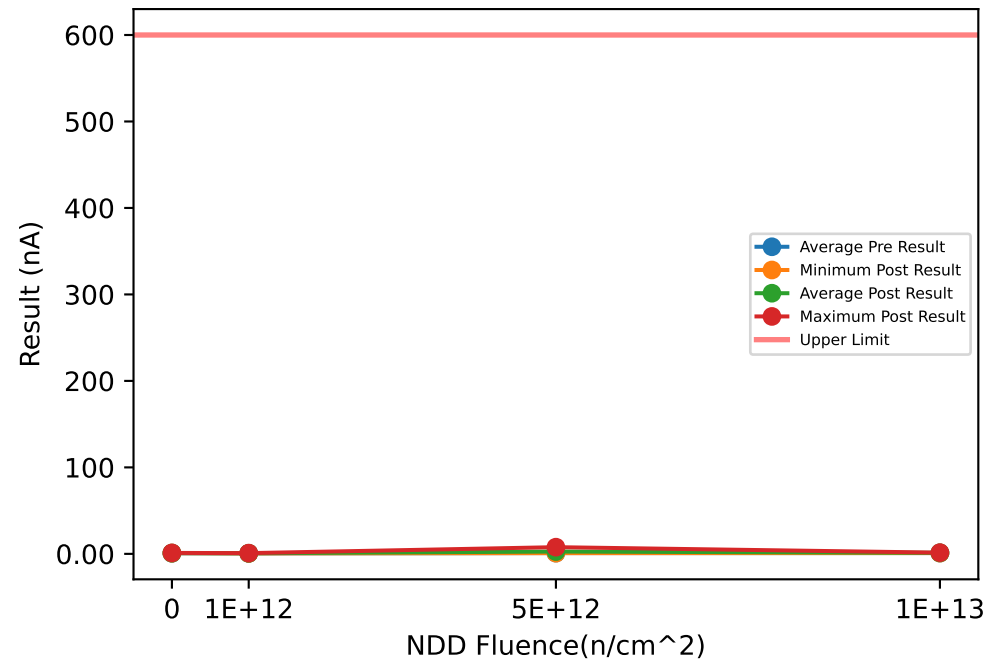


Test Statistics (mA)

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	1.5178	1.5329	1.5474	0.014807	1.5294	1.5423	1.5524	0.011765	0.005	0.0094667	0.0118	0.0038695
1e+12	1.5584	1.6046	1.6587	0.048784	1.5508	1.6018	1.6436	0.046792	-0.0151	-0.002825	0.0067	0.010341
5e+12	1.5041	1.5438	1.588	0.036909	1.4895	1.5437	1.5953	0.044998	-0.0146	-0.000175	0.0073	0.0098486
1e+13	1.5122	1.553	1.5999	0.040754	1.4974	1.5393	1.5834	0.047444	-0.0274	-0.013725	0.0038	0.012948

Device Test: 6.62; PWRGD_ILKG_OD

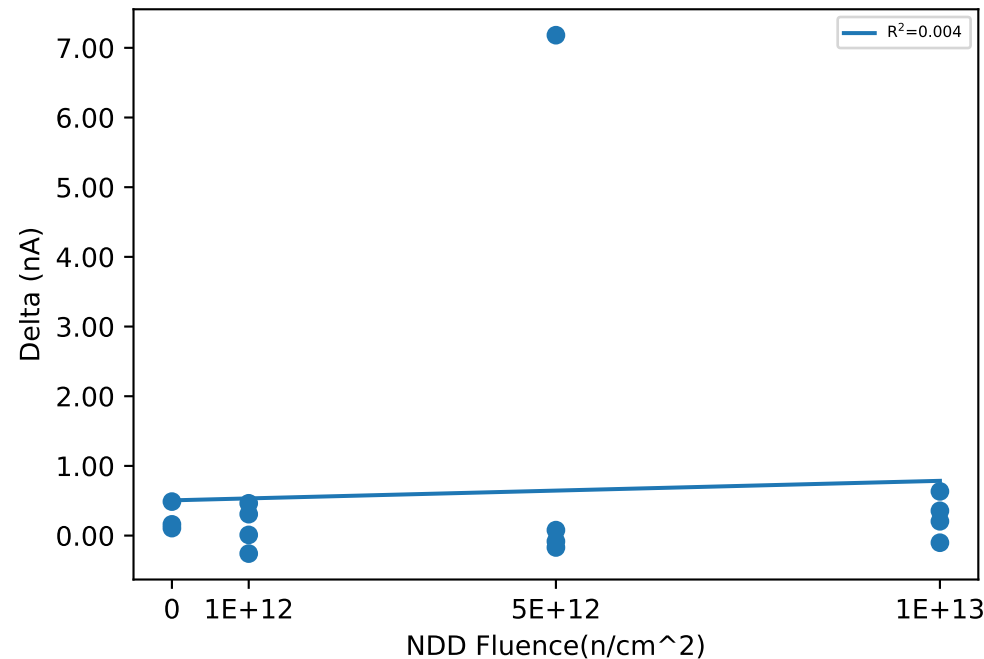
NDD vs Result Stats



Test Results (Upper Limit = 600.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7975	0.539	-0.2585
315	1e+12	NDD Unbiased	0.4463	0.7536	0.3073
316	1e+12	NDD Unbiased	0.6951	0.7048	0.0097
317	1e+12	NDD Unbiased	0.378	0.8414	0.4634
318	5e+12	NDD Unbiased	0.5585	7.7398	7.1813
319	5e+12	NDD Unbiased	0.9732	0.8024	-0.1708
320	5e+12	NDD Unbiased	1.2708	1.1878	-0.083
321	5e+12	NDD Unbiased	0.8756	0.9537	0.0781
322	1e+13	NDD Unbiased	1.0561	1.4122	0.3561
323	1e+13	NDD Unbiased	1.0073	0.9049	-0.1024
324	1e+13	NDD Unbiased	0.6219	1.2561	0.6342
325	1e+13	NDD Unbiased	1.0268	1.2317	0.2049
326	0	Correlation	0.617	0.778	0.161
327	0	Correlation	0.6268	1.1146	0.4878
328	0	Correlation	0.7927	0.9	0.1073

NDD vs Post - Pre Exposure Delta

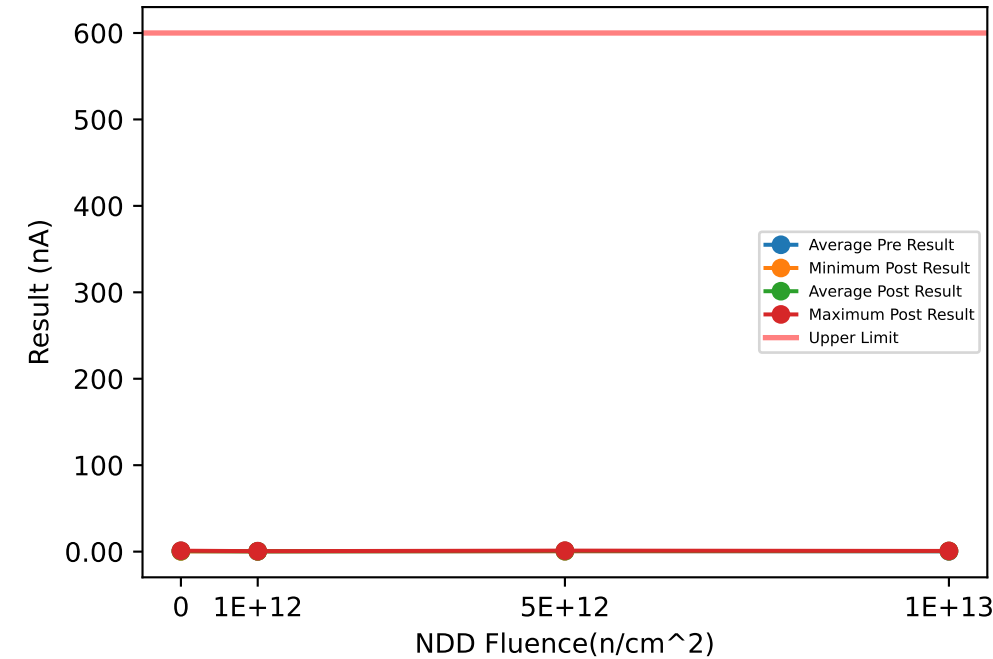


Test Statistics (nA)

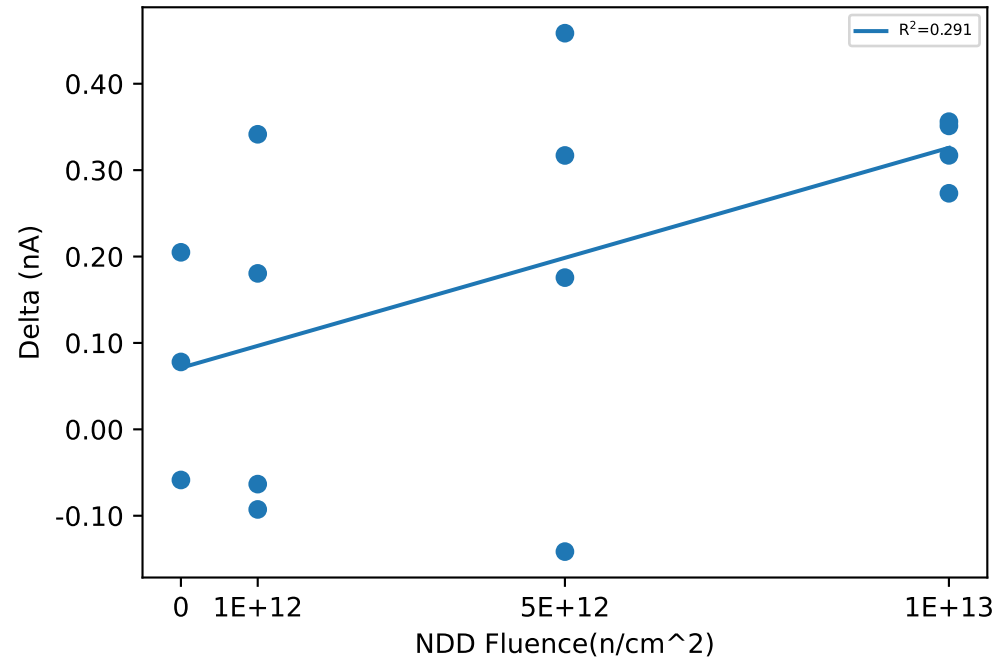
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.617	0.67883	0.7927	0.098733	0.778	0.93087	1.1146	0.17041	0.1073	0.25203	0.4878	0.20594
1e+12	0.378	0.57922	0.7975	0.19936	0.539	0.7097	0.8414	0.12706	-0.2585	0.13048	0.4634	0.32041
5e+12	0.5585	0.91952	1.2708	0.29357	0.8024	2.6709	7.7398	3.383	-0.1708	1.7514	7.1813	3.6214
1e+13	0.6219	0.92802	1.0561	0.20507	0.9049	1.2012	1.4122	0.21312	-0.1024	0.2732	0.6342	0.3071

Device Test: 6.63; WDO_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

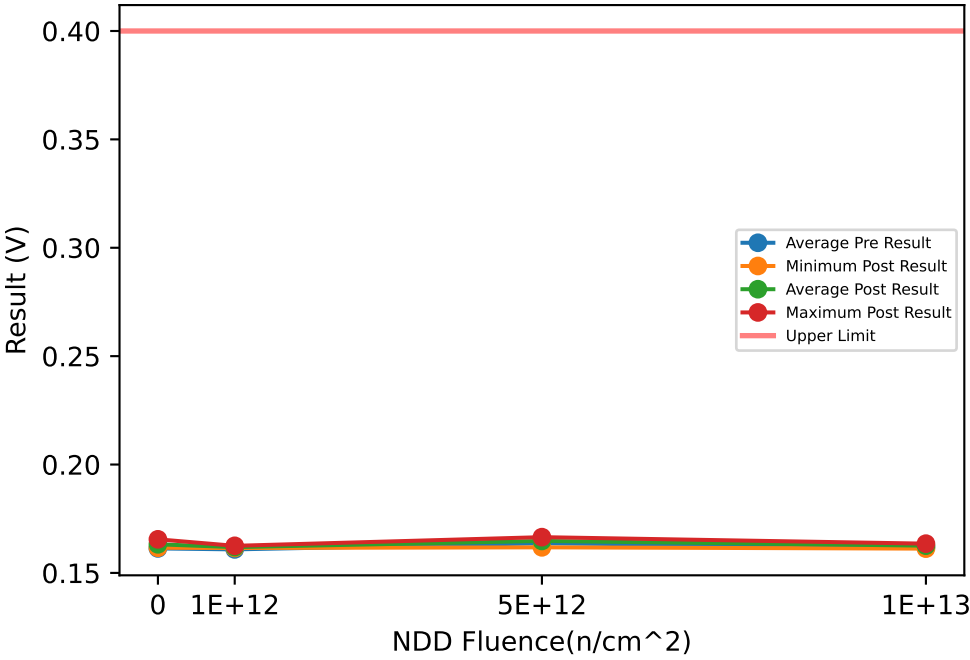
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.4148	0.3514	-0.0634
315	1e+12	NDD Unbiased	0.2001	0.5416	0.3415
316	1e+12	NDD Unbiased	0.2928	0.4733	0.1805
317	1e+12	NDD Unbiased	0.405	0.3123	-0.0927
318	5e+12	NDD Unbiased	0.5758	0.8928	0.317
319	5e+12	NDD Unbiased	0.3172	0.4928	0.1756
320	5e+12	NDD Unbiased	0.7026	1.1611	0.4585
321	5e+12	NDD Unbiased	0.5758	0.4343	-0.1415
322	1e+13	NDD Unbiased	0.2538	0.605	0.3512
323	1e+13	NDD Unbiased	0.2782	0.5953	0.3171
324	1e+13	NDD Unbiased	0.3465	0.6197	0.2732
325	1e+13	NDD Unbiased	0.4489	0.805	0.3561
326	0	Correlation	0.5319	0.6099	0.078
327	0	Correlation	0.327	0.2684	-0.0586
328	0	Correlation	0.8733	1.0782	0.2049

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	0.327	0.5774	0.8733	0.27598	0.2684	0.65217	1.0782	0.40655	-0.0586	0.074767	0.2049	0.13178
1e+12	0.2001	0.32817	0.4148	0.10175	0.3123	0.41965	0.5416	0.10635	-0.0927	0.091475	0.3415	0.20684
5e+12	0.3172	0.54285	0.7026	0.16187	0.4343	0.74525	1.1611	0.34406	-0.1415	0.2024	0.4585	0.25671
1e+13	0.2538	0.33185	0.4489	0.087341	0.5953	0.65625	0.805	0.099673	0.2732	0.3244	0.3561	0.038288

Device Test: 6.64; VOL_RESET_2MA_OD

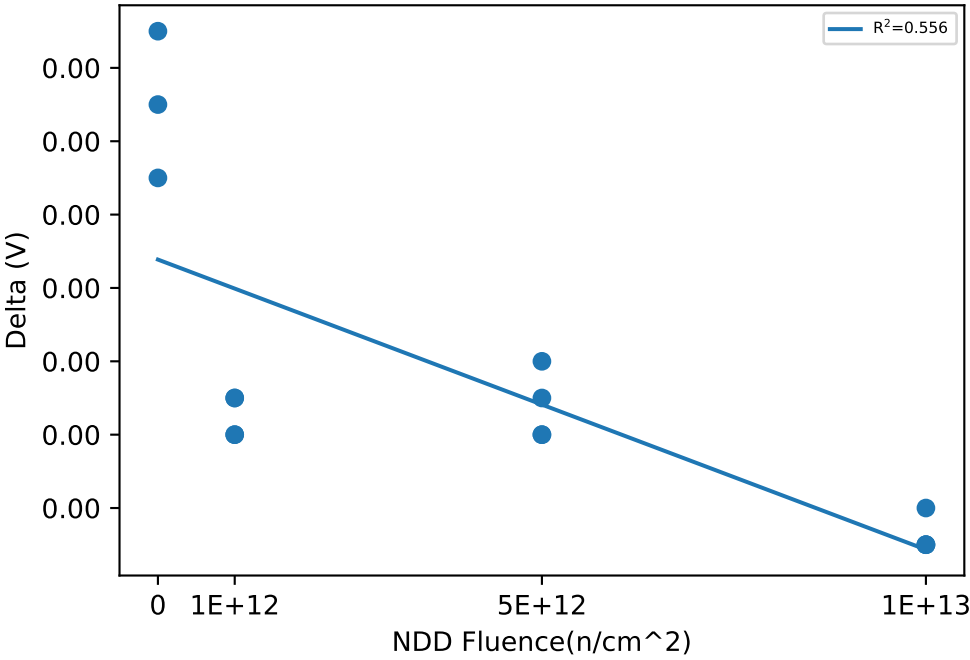
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1615	0.1625	0.001
315	1e+12	NDD Unbiased	0.1604	0.1615	0.0011
316	1e+12	NDD Unbiased	0.1606	0.1617	0.0011
317	1e+12	NDD Unbiased	0.1609	0.1619	0.001
318	5e+12	NDD Unbiased	0.1648	0.166	0.0012
319	5e+12	NDD Unbiased	0.1608	0.1618	0.001
320	5e+12	NDD Unbiased	0.1654	0.1665	0.0011
321	5e+12	NDD Unbiased	0.1637	0.1647	0.001
322	1e+13	NDD Unbiased	0.1624	0.1631	0.0007
323	1e+13	NDD Unbiased	0.1605	0.1612	0.0007
324	1e+13	NDD Unbiased	0.1628	0.1635	0.0007
325	1e+13	NDD Unbiased	0.1617	0.1625	0.0008
326	0	Correlation	0.1638	0.1655	0.0017
327	0	Correlation	0.1606	0.1625	0.0019
328	0	Correlation	0.1595	0.1616	0.0021

NDD vs Post - Pre Exposure Delta

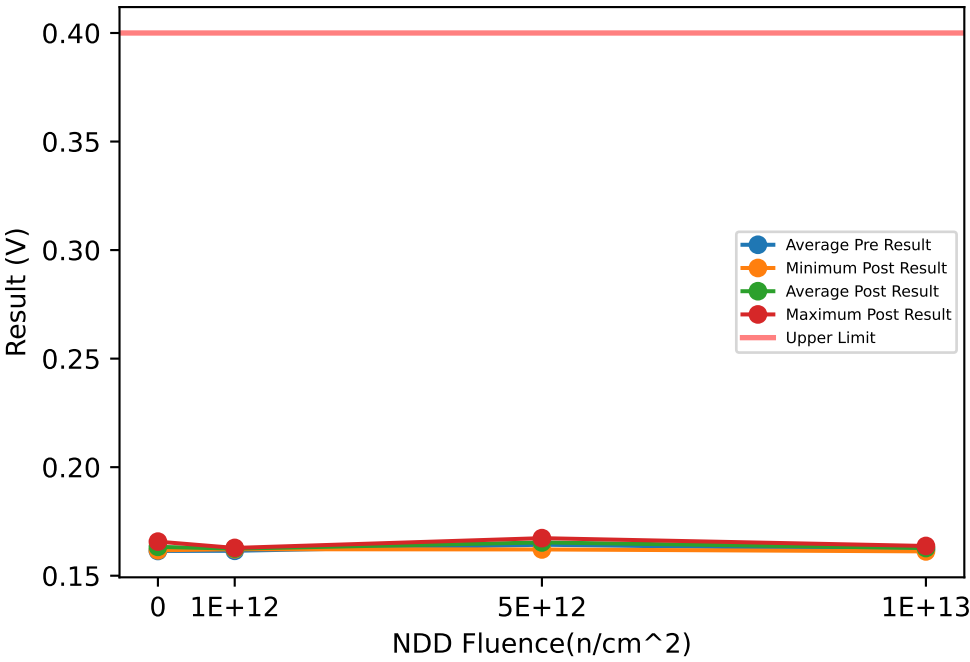


Test Statistics (V)

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	0.1595	0.1613	0.1638	0.0022338	0.1616	0.1632	0.1655	0.0020421	0.0017	0.0019	0.0021	0.0002
1e+12	0.1604	0.16085	0.1615	0.00047958	0.1615	0.1619	0.1625	0.00043205	0.001	0.00105	0.0011	5.7735e-05
5e+12	0.1608	0.16368	0.1654	0.0020419	0.1618	0.16475	0.1665	0.0021079	0.001	0.001075	0.0012	9.5743e-05
1e+13	0.1605	0.16185	0.1628	0.0010083	0.1612	0.16257	0.1635	0.0010046	0.0007	0.000725	0.0008	5e-05

Device Test: 6.65; VOL_RESET_2MA_OD

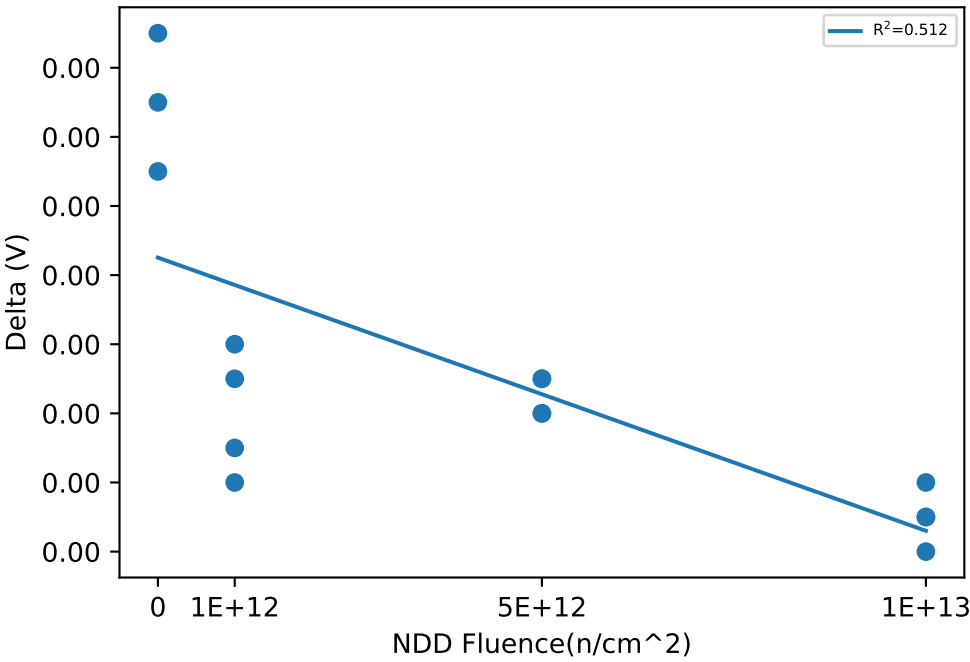
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.162	0.1628	0.0008
315	1e+12	NDD Unbiased	0.1614	0.1623	0.0009
316	1e+12	NDD Unbiased	0.1614	0.1626	0.0012
317	1e+12	NDD Unbiased	0.1611	0.1622	0.0011
318	5e+12	NDD Unbiased	0.1655	0.1666	0.0011
319	5e+12	NDD Unbiased	0.1611	0.1621	0.001
320	5e+12	NDD Unbiased	0.1662	0.1673	0.0011
321	5e+12	NDD Unbiased	0.1643	0.1653	0.001
322	1e+13	NDD Unbiased	0.1626	0.1634	0.0008
323	1e+13	NDD Unbiased	0.1605	0.1612	0.0007
324	1e+13	NDD Unbiased	0.163	0.1637	0.0007
325	1e+13	NDD Unbiased	0.1621	0.1627	0.0006
326	0	Correlation	0.164	0.1657	0.0017
327	0	Correlation	0.1606	0.1625	0.0019
328	0	Correlation	0.1596	0.1617	0.0021

NDD vs Post - Pre Exposure Delta

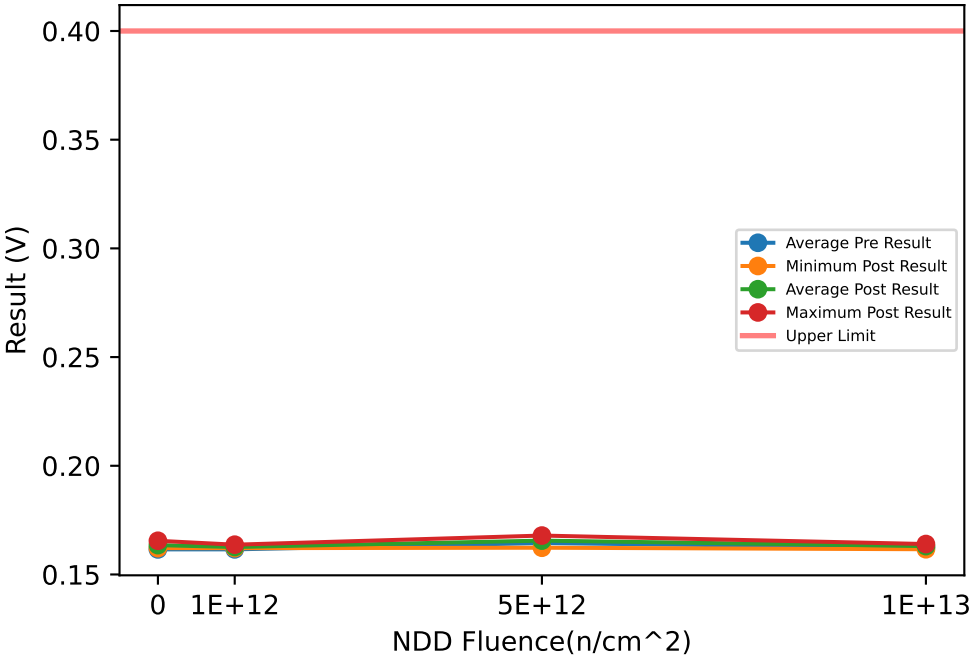


Test Statistics (V)

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	0.1596	0.1614	0.164	0.0023065	0.1617	0.1633	0.1657	0.0021166	0.0017	0.0019	0.0021	0.0002
1e+12	0.1611	0.16147	0.162	0.00037749	0.1622	0.16248	0.1628	0.00027538	0.0008	0.001	0.0012	0.00018257
5e+12	0.1611	0.16428	0.1662	0.0022574	0.1621	0.16532	0.1673	0.0023042	0.001	0.00105	0.0011	5.7735e-05
1e+13	0.1605	0.16205	0.163	0.001097	0.1612	0.16275	0.1637	0.001115	0.0006	0.0007	0.0008	8.165e-05

Device Test: 6.66; VOL_RESET_2MA_OD

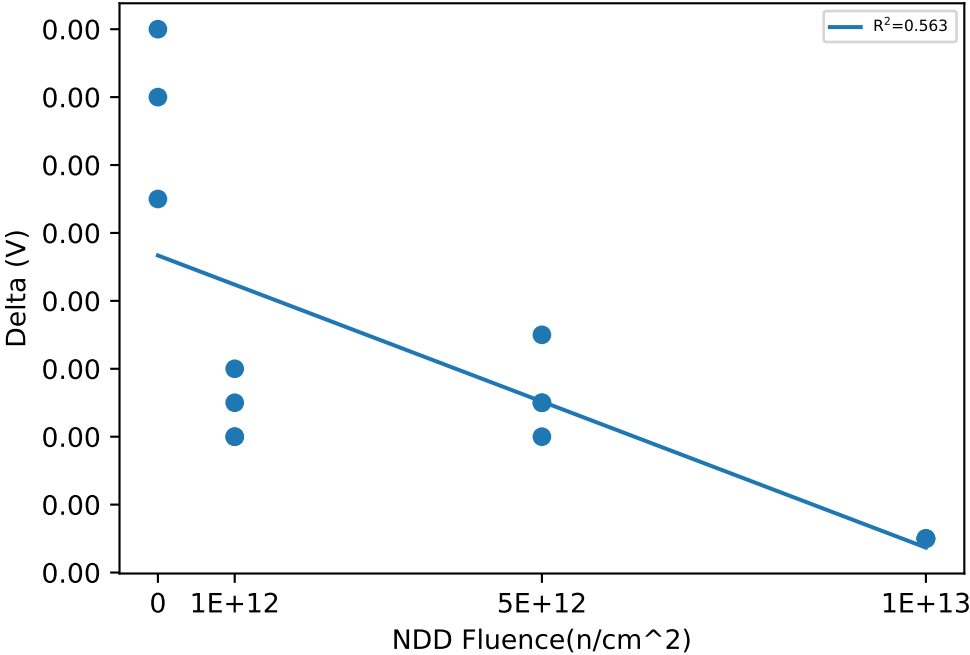
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1627	0.1637	0.001
315	1e+12	NDD Unbiased	0.1611	0.1621	0.001
316	1e+12	NDD Unbiased	0.161	0.1621	0.0011
317	1e+12	NDD Unbiased	0.1614	0.1626	0.0012
318	5e+12	NDD Unbiased	0.1654	0.1667	0.0013
319	5e+12	NDD Unbiased	0.1613	0.1623	0.001
320	5e+12	NDD Unbiased	0.1668	0.1679	0.0011
321	5e+12	NDD Unbiased	0.1643	0.1654	0.0011
322	1e+13	NDD Unbiased	0.1629	0.1636	0.0007
323	1e+13	NDD Unbiased	0.1609	0.1616	0.0007
324	1e+13	NDD Unbiased	0.1633	0.164	0.0007
325	1e+13	NDD Unbiased	0.1623	0.163	0.0007
326	0	Correlation	0.1638	0.1655	0.0017
327	0	Correlation	0.1609	0.1629	0.002
328	0	Correlation	0.1599	0.1621	0.0022

NDD vs Post - Pre Exposure Delta

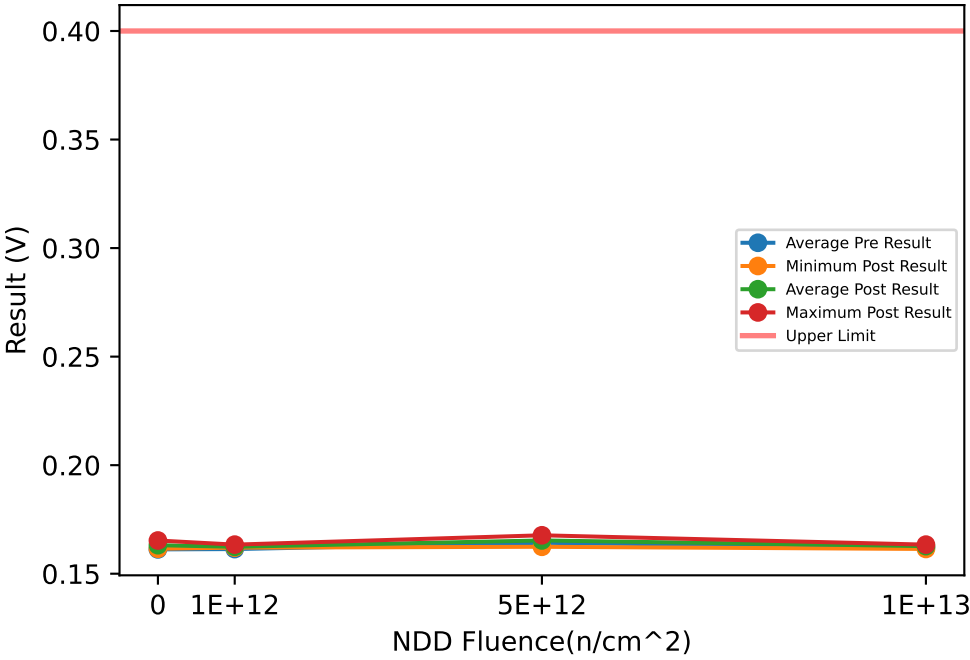


Test Statistics (V)

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	0.1599	0.16153	0.1638	0.0020257	0.1621	0.1635	0.1655	0.0017776	0.0017	0.0019667	0.0022	0.00025166
1e+12	0.161	0.16155	0.1627	0.00078528	0.1621	0.16262	0.1637	0.00075443	0.001	0.001075	0.0012	9.5743e-05
5e+12	0.1613	0.16445	0.1668	0.002336	0.1623	0.16557	0.1679	0.0024102	0.001	0.001125	0.0013	0.00012583
1e+13	0.1609	0.16235	0.1633	0.0010504	0.1616	0.16305	0.164	0.0010504	0.0007	0.0007	0.0007	0

Device Test: 6.67; VOL_RESET_2MA_OD

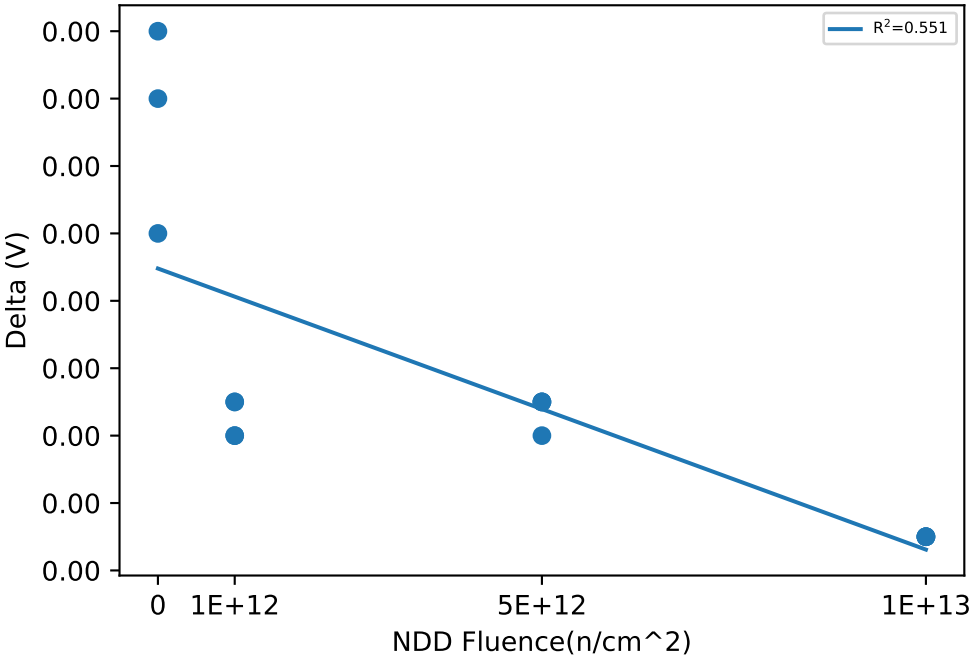
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1624	0.1634	0.001
315	1e+12	NDD Unbiased	0.1611	0.1621	0.001
316	1e+12	NDD Unbiased	0.161	0.1621	0.0011
317	1e+12	NDD Unbiased	0.1609	0.162	0.0011
318	5e+12	NDD Unbiased	0.1652	0.1663	0.0011
319	5e+12	NDD Unbiased	0.1613	0.1624	0.0011
320	5e+12	NDD Unbiased	0.1666	0.1677	0.0011
321	5e+12	NDD Unbiased	0.1639	0.1649	0.001
322	1e+13	NDD Unbiased	0.1624	0.1631	0.0007
323	1e+13	NDD Unbiased	0.1607	0.1614	0.0007
324	1e+13	NDD Unbiased	0.1627	0.1634	0.0007
325	1e+13	NDD Unbiased	0.1622	0.1629	0.0007
326	0	Correlation	0.1637	0.1653	0.0016
327	0	Correlation	0.1606	0.1626	0.002
328	0	Correlation	0.1593	0.1615	0.0022

NDD vs Post - Pre Exposure Delta

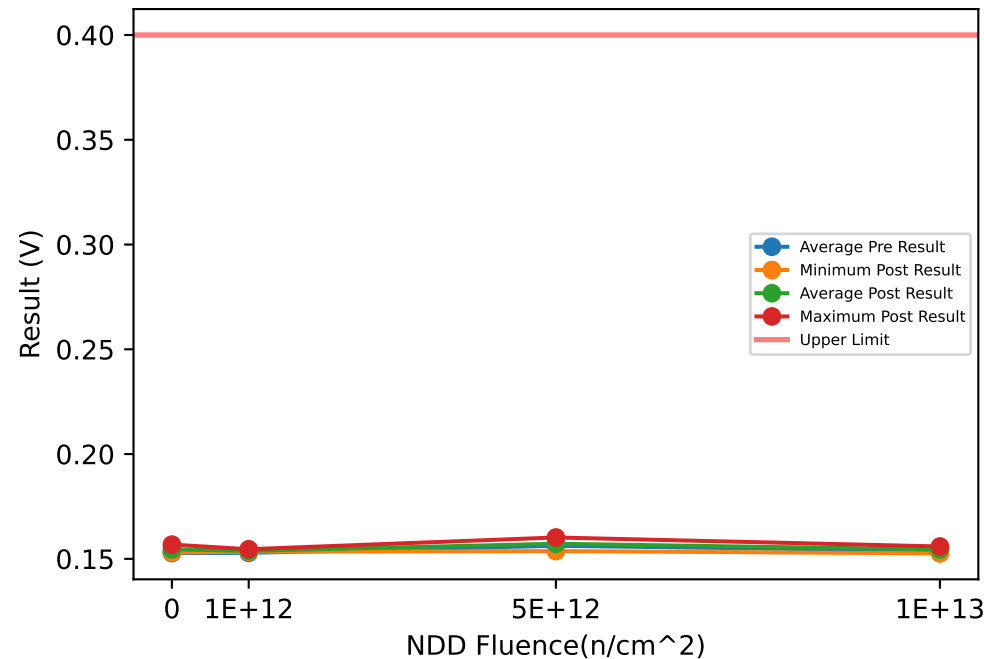


Test Statistics (V)

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	0.1593	0.1612	0.1637	0.0022605	0.1615	0.16313	0.1653	0.0019553	0.0016	0.0019333	0.0022	0.00030551
1e+12	0.1609	0.16135	0.1624	0.00070475	0.162	0.1624	0.1634	0.00066833	0.001	0.00105	0.0011	5.7735e-05
5e+12	0.1613	0.16425	0.1666	0.0022546	0.1624	0.16532	0.1677	0.0022603	0.001	0.001075	0.0011	5e-05
1e+13	0.1607	0.162	0.1627	0.00089069	0.1614	0.1627	0.1634	0.00089069	0.0007	0.0007	0.0007	1.3869e-17

Device Test: 6.68; VOL_WDO_2MA_OD

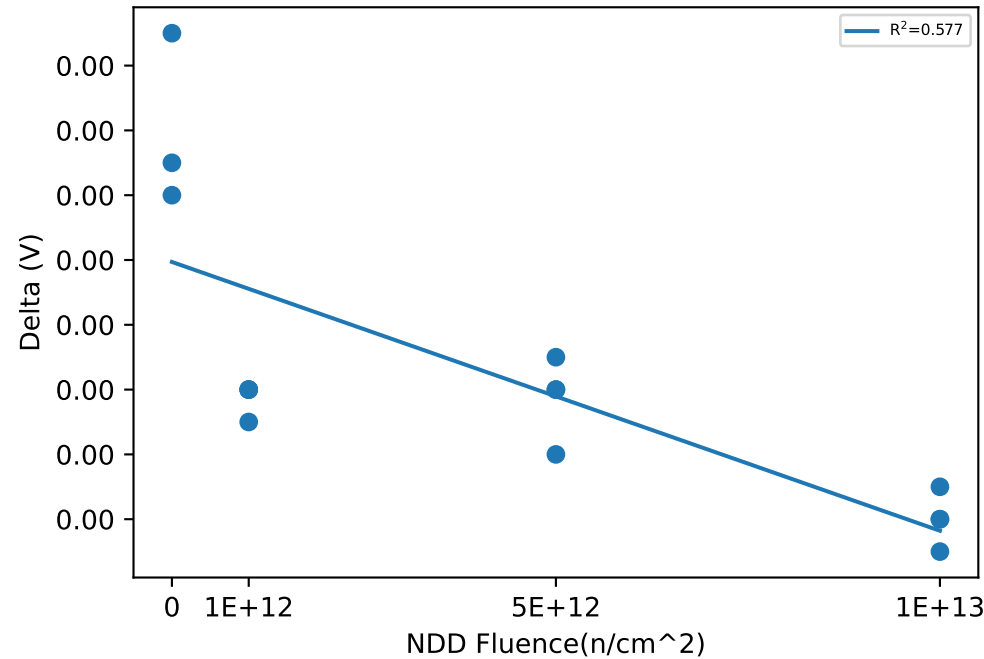
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1537	0.1546	0.0009
315	1e+12	NDD Unbiased	0.1524	0.1534	0.001
316	1e+12	NDD Unbiased	0.1524	0.1534	0.001
317	1e+12	NDD Unbiased	0.1529	0.1539	0.001
318	5e+12	NDD Unbiased	0.1576	0.1587	0.0011
319	5e+12	NDD Unbiased	0.1527	0.1537	0.001
320	5e+12	NDD Unbiased	0.1592	0.1602	0.001
321	5e+12	NDD Unbiased	0.1554	0.1562	0.0008
322	1e+13	NDD Unbiased	0.1553	0.1559	0.0006
323	1e+13	NDD Unbiased	0.1521	0.1526	0.0005
324	1e+13	NDD Unbiased	0.1539	0.1545	0.0006
325	1e+13	NDD Unbiased	0.1542	0.1549	0.0007
326	0	Correlation	0.1552	0.1568	0.0016
327	0	Correlation	0.1521	0.1538	0.0017
328	0	Correlation	0.1509	0.153	0.0021

NDD vs Post - Pre Exposure Delta

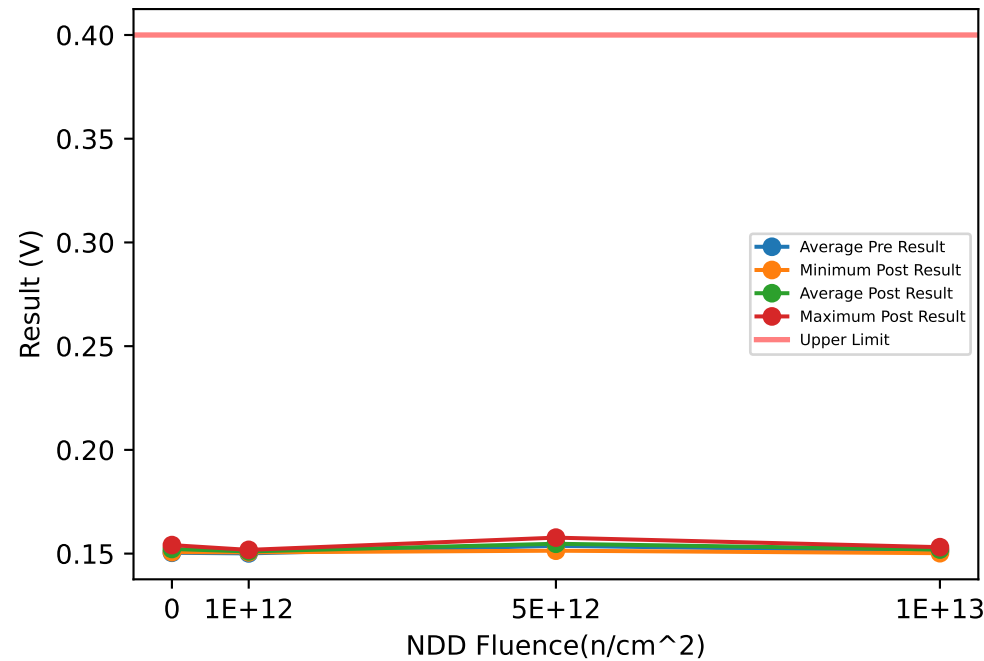


Test Statistics (V)

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	0.1509	0.15273	0.1552	0.0022189	0.153	0.15453	0.1568	0.0020033	0.0016	0.0018	0.0021	0.00026458
1e+12	0.1524	0.15285	0.1537	0.00061373	0.1534	0.15382	0.1546	0.00056789	0.0009	0.000975	0.001	5e-05
5e+12	0.1527	0.15623	0.1592	0.0028194	0.1537	0.1572	0.1602	0.0028577	0.0008	0.000975	0.0011	0.00012583
1e+13	0.1521	0.15388	0.1553	0.0013276	0.1526	0.15448	0.1559	0.0013817	0.0005	0.0006	0.0007	8.165e-05

Device Test: 6.69; VOL_PWRGD_2MA_OD

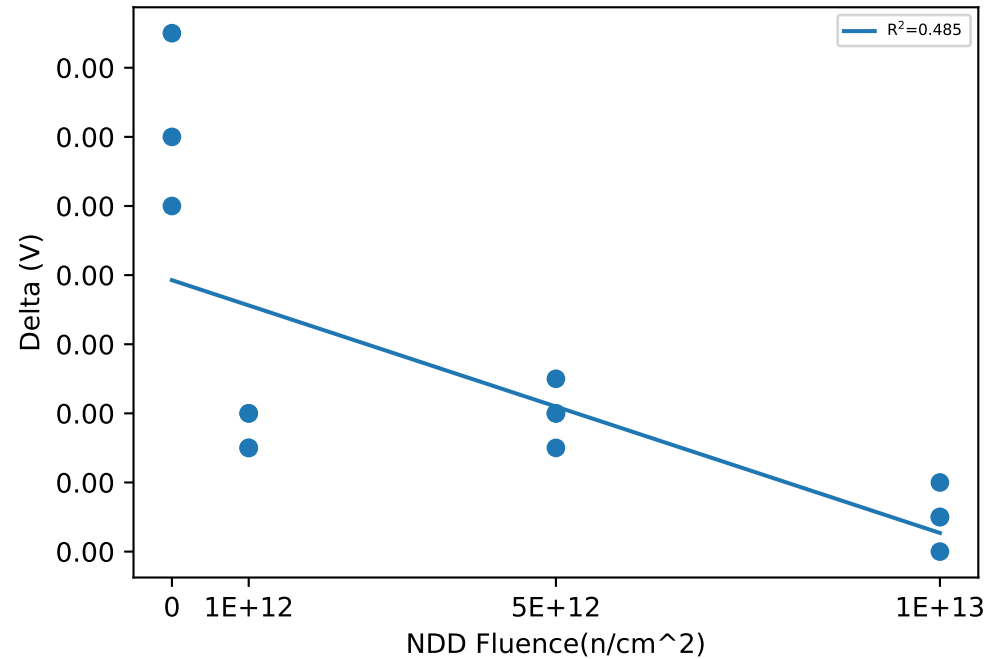
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1509	0.1518	0.0009
315	1e+12	NDD Unbiased	0.1497	0.1507	0.001
316	1e+12	NDD Unbiased	0.1496	0.1506	0.001
317	1e+12	NDD Unbiased	0.1502	0.1511	0.0009
318	5e+12	NDD Unbiased	0.1551	0.1562	0.0011
319	5e+12	NDD Unbiased	0.1505	0.1514	0.0009
320	5e+12	NDD Unbiased	0.1567	0.1577	0.001
321	5e+12	NDD Unbiased	0.1527	0.1537	0.001
322	1e+13	NDD Unbiased	0.1524	0.1531	0.0007
323	1e+13	NDD Unbiased	0.1495	0.1502	0.0007
324	1e+13	NDD Unbiased	0.1516	0.1524	0.0008
325	1e+13	NDD Unbiased	0.1515	0.1521	0.0006
326	0	Correlation	0.1525	0.1541	0.0016
327	0	Correlation	0.1501	0.1519	0.0018
328	0	Correlation	0.1486	0.1507	0.0021

NDD vs Post - Pre Exposure Delta

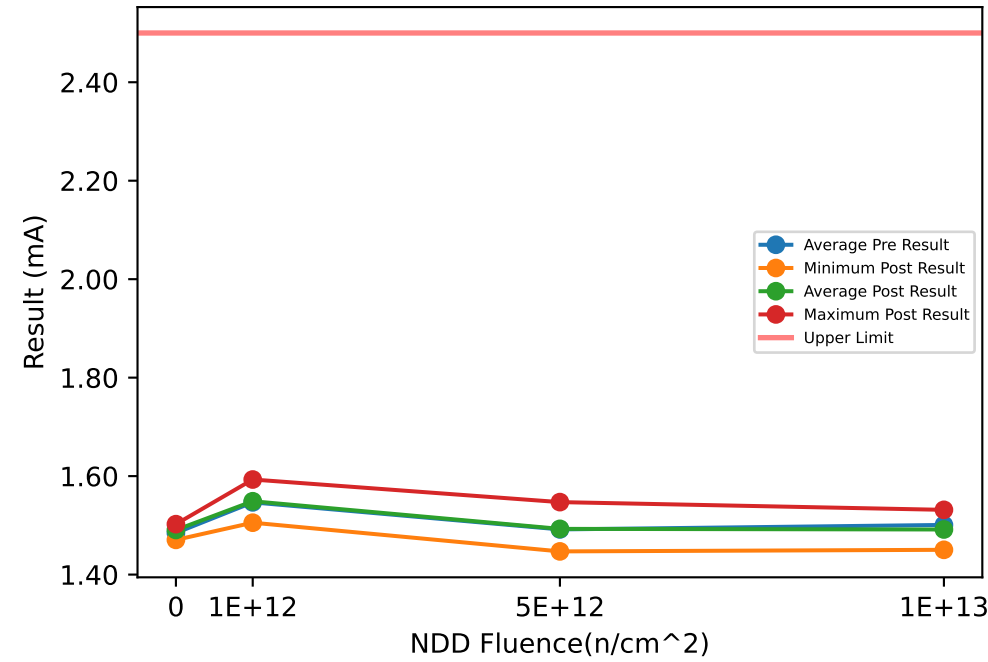


Test Statistics (V)

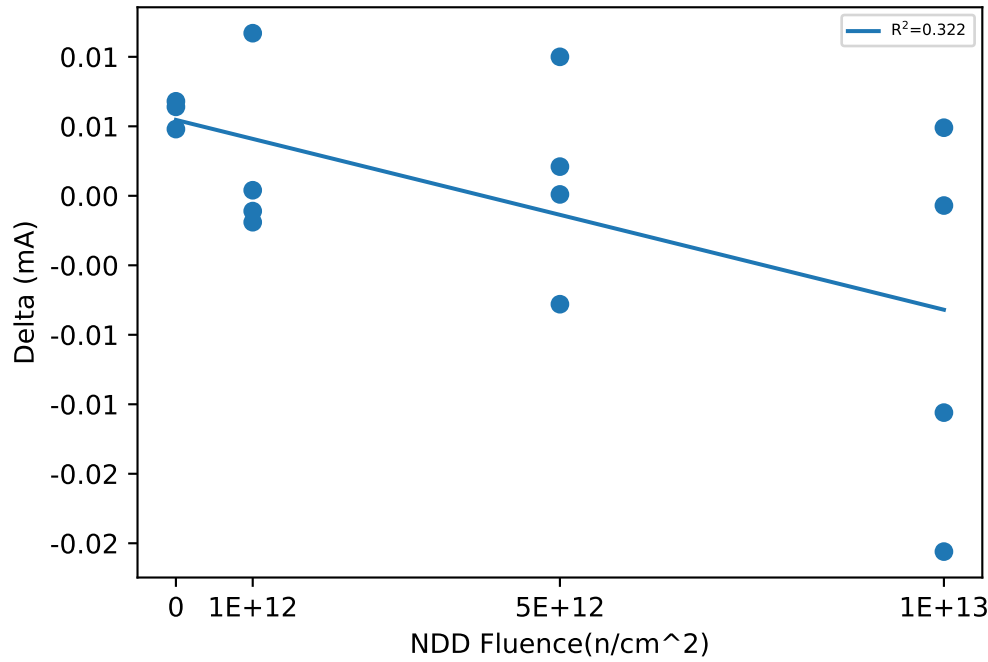
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1486	0.1504	0.1525	0.0019672	0.1507	0.15223	0.1541	0.0017243	0.0016	0.0018333	0.0021	0.00025166
1e+12	0.1496	0.1501	0.1509	0.00059442	0.1506	0.15105	0.1518	0.00054467	0.0009	0.00095	0.001	5.7735e-05
5e+12	0.1505	0.15375	0.1567	0.0027197	0.1514	0.15475	0.1577	0.0027767	0.0009	0.001	0.0011	8.165e-05
1e+13	0.1495	0.15125	0.1524	0.0012342	0.1502	0.15195	0.1531	0.0012396	0.0006	0.0007	0.0008	8.165e-05

Device Test: 6.7; IQ

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.5 (mA))

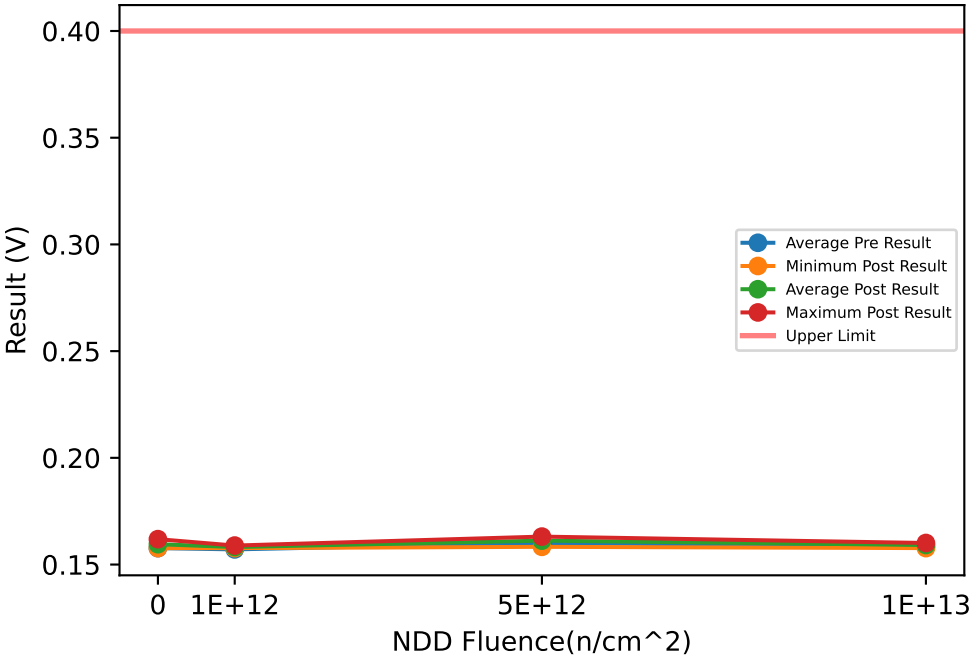
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.5942	1.5931	-0.0011
315	1e+12	NDD Unbiased	1.5115	1.5119	0.0004
316	1e+12	NDD Unbiased	1.5737	1.5854	0.0117
317	1e+12	NDD Unbiased	1.5073	1.5054	-0.0019
318	5e+12	NDD Unbiased	1.4947	1.4968	0.0021
319	5e+12	NDD Unbiased	1.4802	1.4803	0.0001
320	5e+12	NDD Unbiased	1.5372	1.5472	0.01
321	5e+12	NDD Unbiased	1.4549	1.4471	-0.0078
322	1e+13	NDD Unbiased	1.52	1.5249	0.0049
323	1e+13	NDD Unbiased	1.4853	1.4597	-0.0256
324	1e+13	NDD Unbiased	1.4659	1.4503	-0.0156
325	1e+13	NDD Unbiased	1.5322	1.5315	-0.0007
326	0	Correlation	1.494	1.4988	0.0048
327	0	Correlation	1.496	1.5024	0.0064
328	0	Correlation	1.4637	1.4705	0.0068

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	1.4637	1.4846	1.496	0.018099	1.4705	1.4906	1.5024	0.017471	0.0048	0.006	0.0068	0.0010583
1e+12	1.5073	1.5467	1.5942	0.043881	1.5054	1.549	1.5931	0.046716	-0.0019	0.002275	0.0117	0.0063552
5e+12	1.4549	1.4917	1.5372	0.034476	1.4471	1.4929	1.5472	0.041714	-0.0078	0.0011	0.01	0.0073125
1e+13	1.4659	1.5009	1.5322	0.030621	1.4503	1.4916	1.5315	0.042521	-0.0256	-0.00925	0.0049	0.013916

Device Test: 6.70; VOL_RESET_2MA_OD

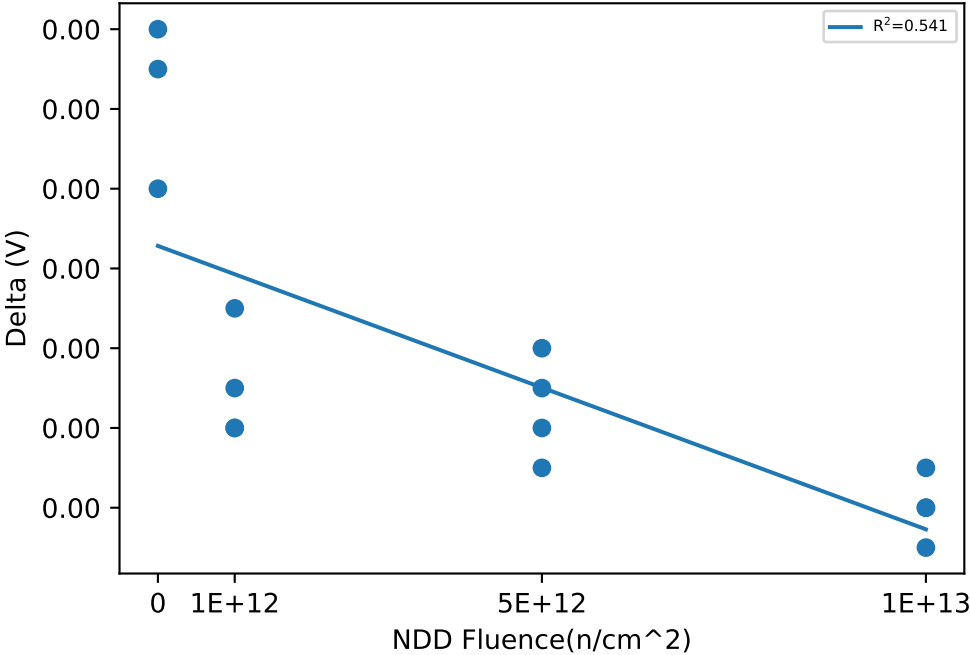
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1579	0.1589	0.001
315	1e+12	NDD Unbiased	0.1566	0.1577	0.0011
316	1e+12	NDD Unbiased	0.1568	0.1581	0.0013
317	1e+12	NDD Unbiased	0.1571	0.1581	0.001
318	5e+12	NDD Unbiased	0.1612	0.1624	0.0012
319	5e+12	NDD Unbiased	0.1572	0.1583	0.0011
320	5e+12	NDD Unbiased	0.1621	0.1631	0.001
321	5e+12	NDD Unbiased	0.1601	0.161	0.0009
322	1e+13	NDD Unbiased	0.1589	0.1598	0.0009
323	1e+13	NDD Unbiased	0.1569	0.1577	0.0008
324	1e+13	NDD Unbiased	0.1593	0.1601	0.0008
325	1e+13	NDD Unbiased	0.1583	0.159	0.0007
326	0	Correlation	0.1603	0.1619	0.0016
327	0	Correlation	0.1571	0.159	0.0019
328	0	Correlation	0.1557	0.1577	0.002

NDD vs Post - Pre Exposure Delta

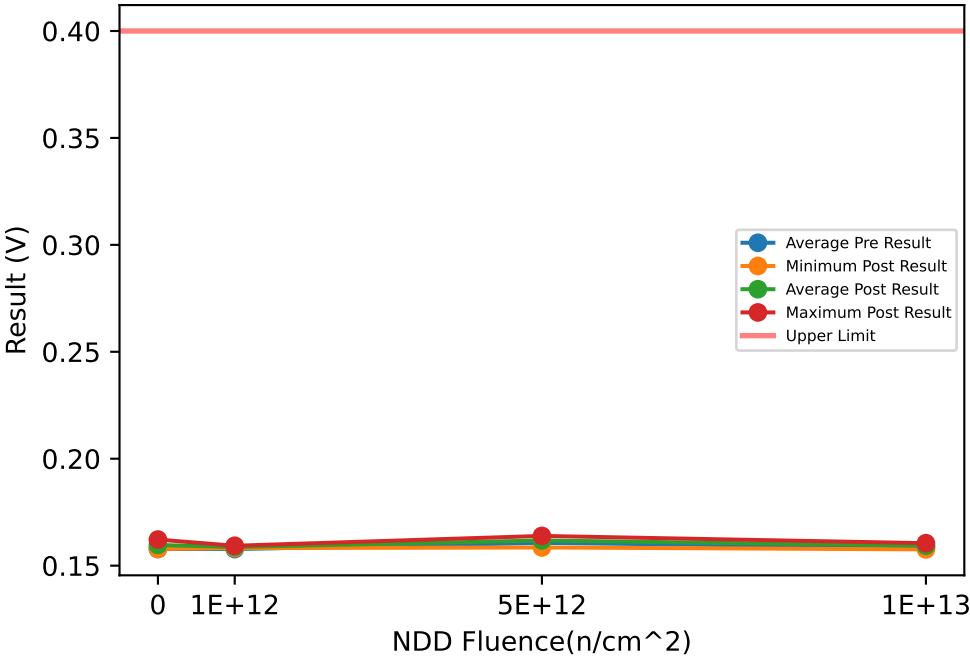


Test Statistics (V)

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	0.1557	0.1577	0.1603	0.002358	0.1577	0.15953	0.1619	0.0021502	0.0016	0.0018333	0.002	0.00020817
1e+12	0.1566	0.1571	0.1579	0.00057155	0.1577	0.1582	0.1589	0.00050332	0.001	0.0011	0.0013	0.00014142
5e+12	0.1572	0.16015	0.1621	0.0021299	0.1583	0.1612	0.1631	0.0021213	0.0009	0.00105	0.0012	0.0001291
1e+13	0.1569	0.15835	0.1593	0.0010504	0.1577	0.15915	0.1601	0.0010724	0.0007	0.0008	0.0009	8.165e-05

Device Test: 6.71; VOL_RESET_2MA_OD

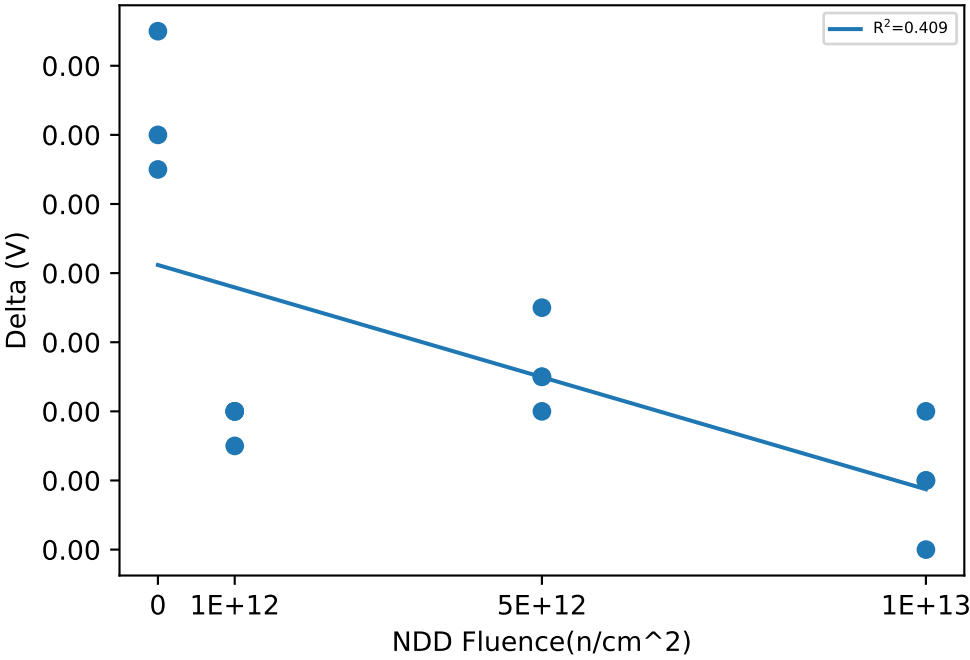
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1584	0.1593	0.0009
315	1e+12	NDD Unbiased	0.1576	0.1586	0.001
316	1e+12	NDD Unbiased	0.1578	0.1588	0.001
317	1e+12	NDD Unbiased	0.1572	0.1582	0.001
318	5e+12	NDD Unbiased	0.1617	0.163	0.0013
319	5e+12	NDD Unbiased	0.1575	0.1585	0.001
320	5e+12	NDD Unbiased	0.1628	0.1639	0.0011
321	5e+12	NDD Unbiased	0.1606	0.1617	0.0011
322	1e+13	NDD Unbiased	0.1591	0.1599	0.0008
323	1e+13	NDD Unbiased	0.157	0.1576	0.0006
324	1e+13	NDD Unbiased	0.1595	0.1605	0.001
325	1e+13	NDD Unbiased	0.1585	0.1593	0.0008
326	0	Correlation	0.1605	0.1622	0.0017
327	0	Correlation	0.1572	0.159	0.0018
328	0	Correlation	0.1557	0.1578	0.0021

NDD vs Post - Pre Exposure Delta

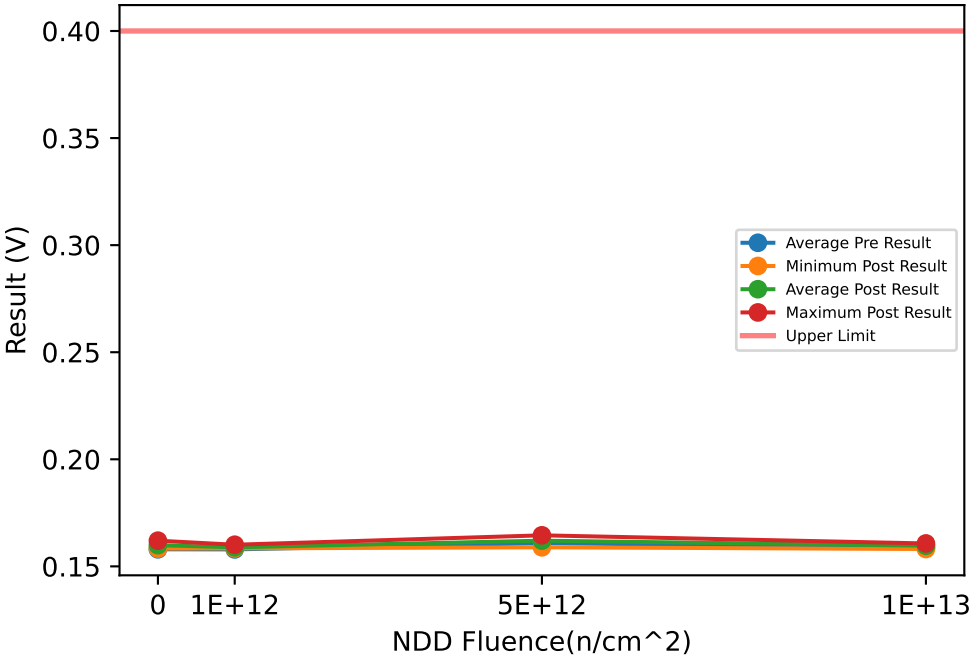


Test Statistics (V)

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	0.1557	0.1578	0.1605	0.0024556	0.1578	0.15967	0.1622	0.0022745	0.0017	0.0018667	0.0021	0.00020817
1e+12	0.1572	0.15775	0.1584	0.0005	0.1582	0.15873	0.1593	0.00045735	0.0009	0.000975	0.001	5e-05
5e+12	0.1575	0.16065	0.1628	0.002284	0.1585	0.16178	0.1639	0.0023627	0.001	0.001125	0.0013	0.00012583
1e+13	0.157	0.15852	0.1595	0.0010966	0.1576	0.15932	0.1605	0.00125	0.0006	0.0008	0.001	0.0001633

Device Test: 6.72; VOL_RESET_2MA_OD

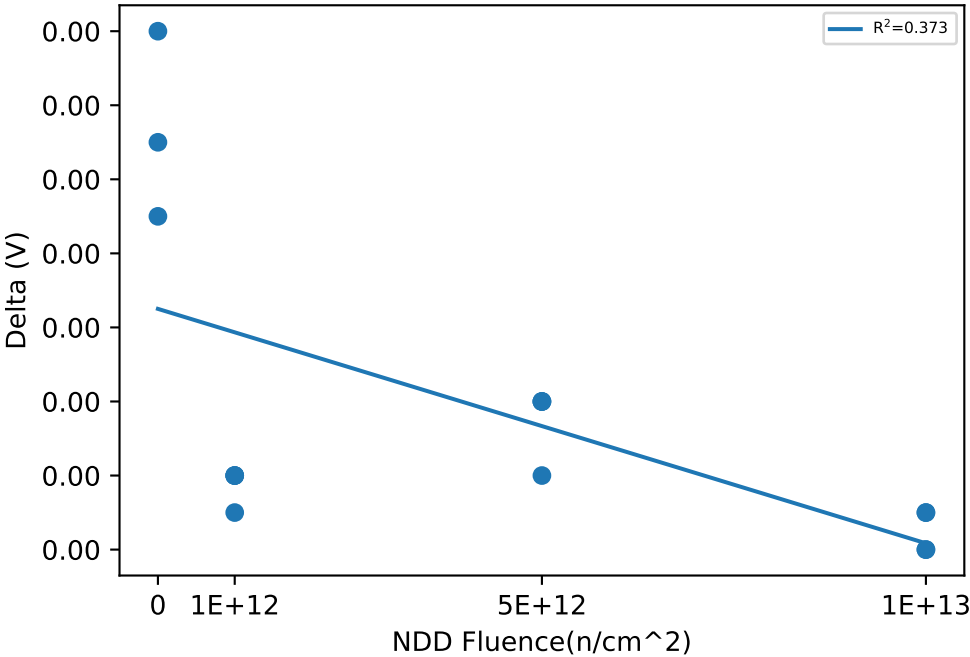
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1592	0.1601	0.0009
315	1e+12	NDD Unbiased	0.1574	0.1584	0.001
316	1e+12	NDD Unbiased	0.1574	0.1584	0.001
317	1e+12	NDD Unbiased	0.1577	0.1587	0.001
318	5e+12	NDD Unbiased	0.1618	0.163	0.0012
319	5e+12	NDD Unbiased	0.1577	0.1589	0.0012
320	5e+12	NDD Unbiased	0.1633	0.1645	0.0012
321	5e+12	NDD Unbiased	0.1606	0.1616	0.001
322	1e+13	NDD Unbiased	0.1593	0.1602	0.0009
323	1e+13	NDD Unbiased	0.1573	0.1581	0.0008
324	1e+13	NDD Unbiased	0.1598	0.1607	0.0009
325	1e+13	NDD Unbiased	0.1588	0.1596	0.0008
326	0	Correlation	0.1603	0.162	0.0017
327	0	Correlation	0.1575	0.1594	0.0019
328	0	Correlation	0.1561	0.1583	0.0022

NDD vs Post - Pre Exposure Delta

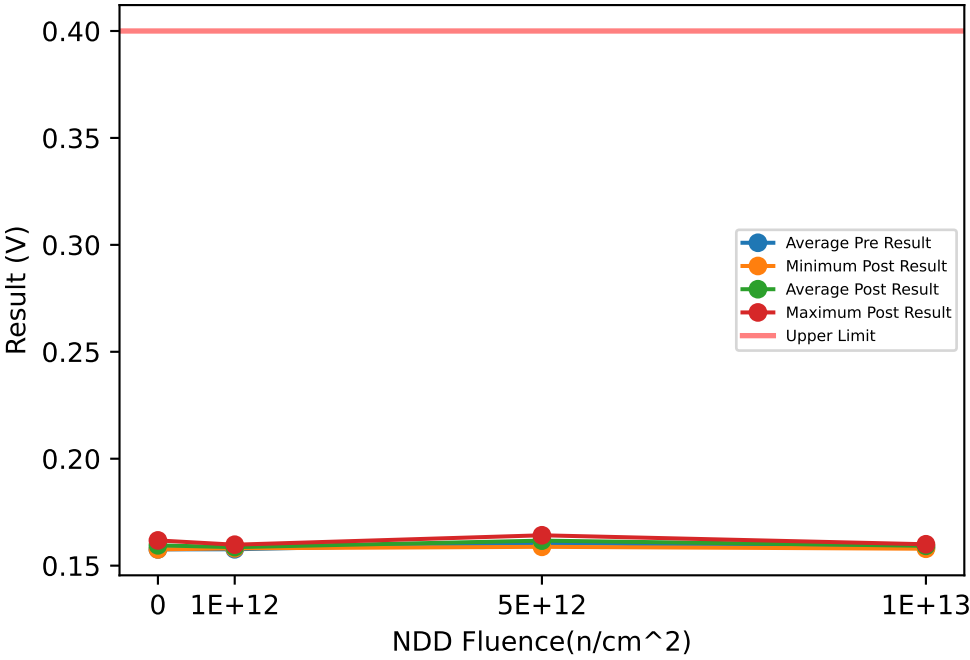


Test Statistics (V)

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	0.1561	0.15797	0.1603	0.0021385	0.1583	0.1599	0.162	0.0019	0.0017	0.0019333	0.0022	0.00025166
1e+12	0.1574	0.15793	0.1592	0.00086168	0.1584	0.1589	0.1601	0.0008124	0.0009	0.000975	0.001	5e-05
5e+12	0.1577	0.16085	0.1633	0.0023728	0.1589	0.162	0.1645	0.0023819	0.001	0.00115	0.0012	0.0001
1e+13	0.1573	0.1588	0.1598	0.0010801	0.1581	0.15965	0.1607	0.0011269	0.0008	0.00085	0.0009	5.7735e-05

Device Test: 6.73; VOL_RESET_2MA_OD

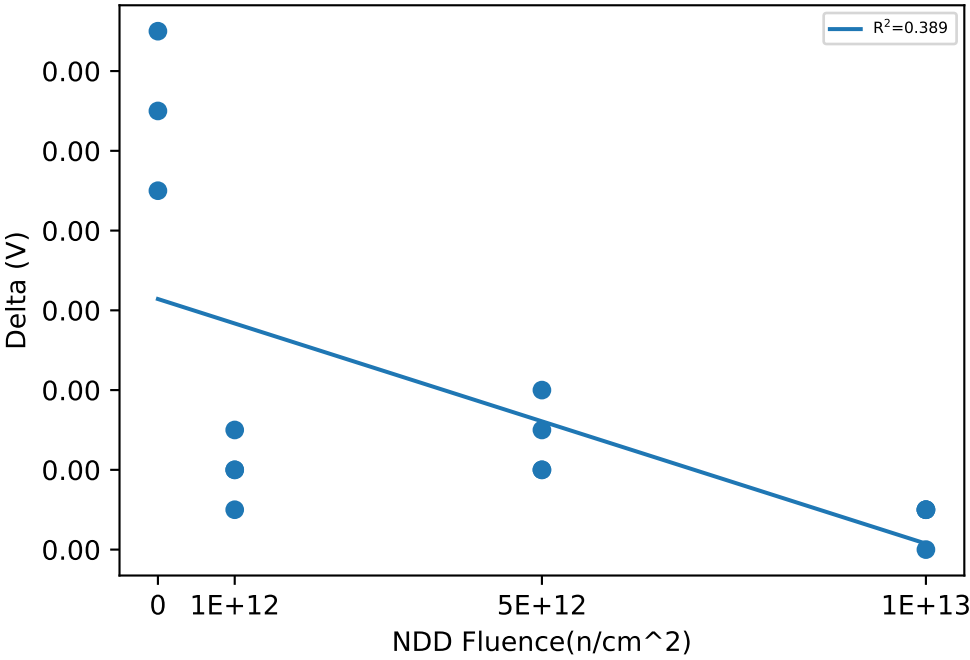
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1589	0.1598	0.0009
315	1e+12	NDD Unbiased	0.1573	0.1584	0.0011
316	1e+12	NDD Unbiased	0.1573	0.1583	0.001
317	1e+12	NDD Unbiased	0.1571	0.1581	0.001
318	5e+12	NDD Unbiased	0.1614	0.1626	0.0012
319	5e+12	NDD Unbiased	0.1577	0.1588	0.0011
320	5e+12	NDD Unbiased	0.1632	0.1642	0.001
321	5e+12	NDD Unbiased	0.1602	0.1612	0.001
322	1e+13	NDD Unbiased	0.1588	0.1597	0.0009
323	1e+13	NDD Unbiased	0.157	0.1579	0.0009
324	1e+13	NDD Unbiased	0.1592	0.16	0.0008
325	1e+13	NDD Unbiased	0.1586	0.1595	0.0009
326	0	Correlation	0.1601	0.1618	0.0017
327	0	Correlation	0.1572	0.1591	0.0019
328	0	Correlation	0.1555	0.1576	0.0021

NDD vs Post - Pre Exposure Delta

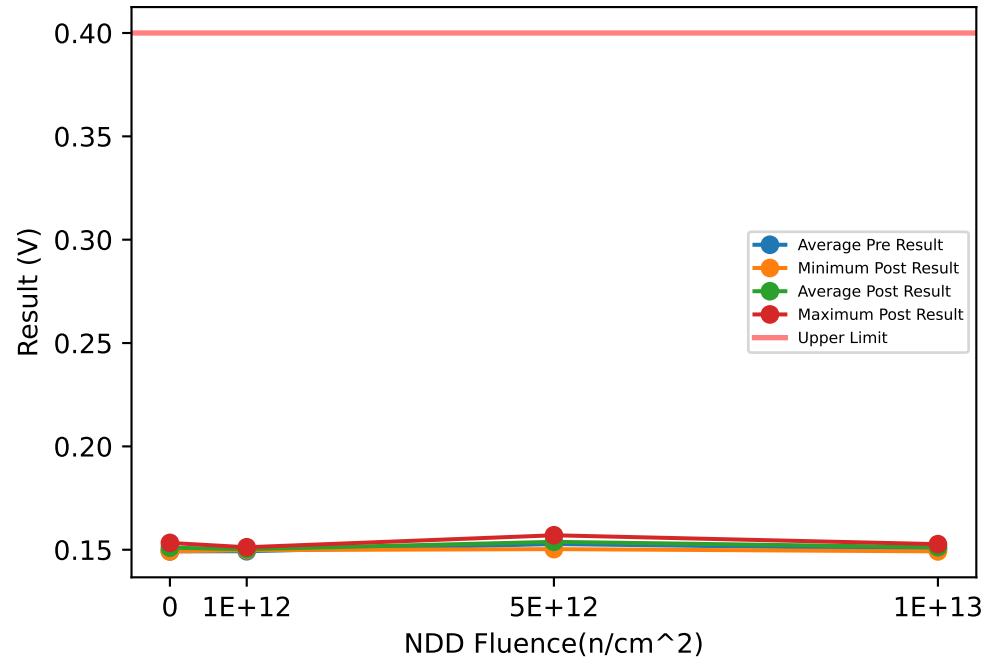


Test Statistics (V)

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	0.1555	0.1576	0.1601	0.0023259	0.1576	0.1595	0.1618	0.0021284	0.0017	0.0019	0.0021	0.0002
1e+12	0.1571	0.15765	0.1589	0.00083865	0.1581	0.15865	0.1598	0.00077675	0.0009	0.001	0.0011	8.165e-05
5e+12	0.1577	0.16063	0.1632	0.0023071	0.1588	0.1617	0.1642	0.0022891	0.001	0.001075	0.0012	9.5743e-05
1e+13	0.157	0.1584	0.1592	0.00096609	0.1579	0.15927	0.16	0.00093941	0.0008	0.000875	0.0009	5e-05

Device Test: 6.74; VOL_WDO_2MA_OD

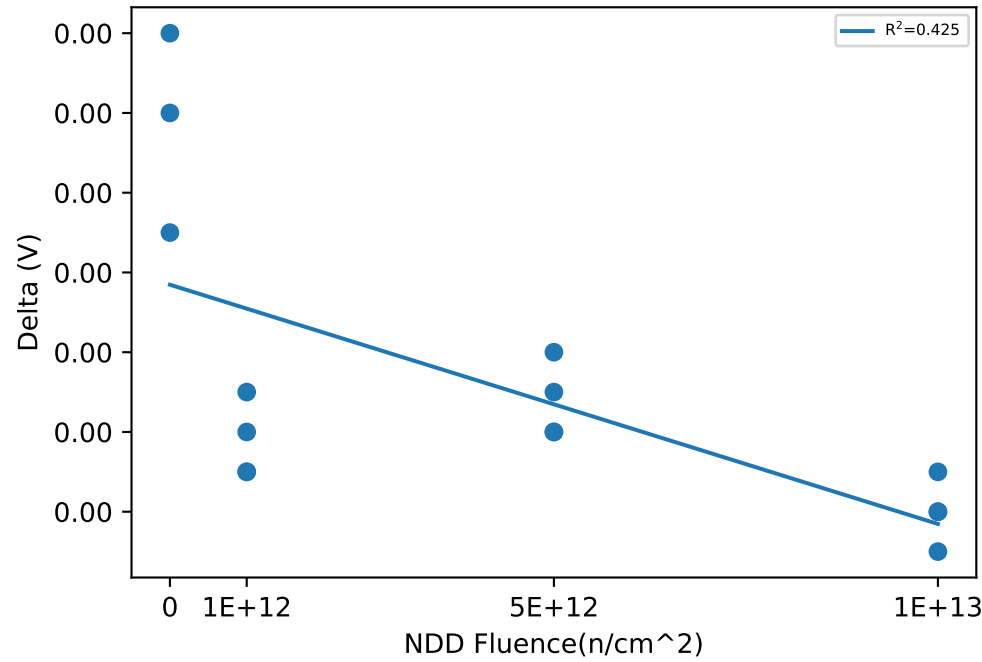
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1503	0.1512	0.0009
315	1e+12	NDD Unbiased	0.1488	0.1499	0.0011
316	1e+12	NDD Unbiased	0.1488	0.1498	0.001
317	1e+12	NDD Unbiased	0.1492	0.1501	0.0009
318	5e+12	NDD Unbiased	0.154	0.1552	0.0012
319	5e+12	NDD Unbiased	0.1492	0.1503	0.0011
320	5e+12	NDD Unbiased	0.156	0.157	0.001
321	5e+12	NDD Unbiased	0.1518	0.1528	0.001
322	1e+13	NDD Unbiased	0.1518	0.1527	0.0009
323	1e+13	NDD Unbiased	0.1485	0.1492	0.0007
324	1e+13	NDD Unbiased	0.1506	0.1514	0.0008
325	1e+13	NDD Unbiased	0.1508	0.1516	0.0008
326	0	Correlation	0.1518	0.1533	0.0015
327	0	Correlation	0.1487	0.1505	0.0018
328	0	Correlation	0.1472	0.1492	0.002

NDD vs Post - Pre Exposure Delta

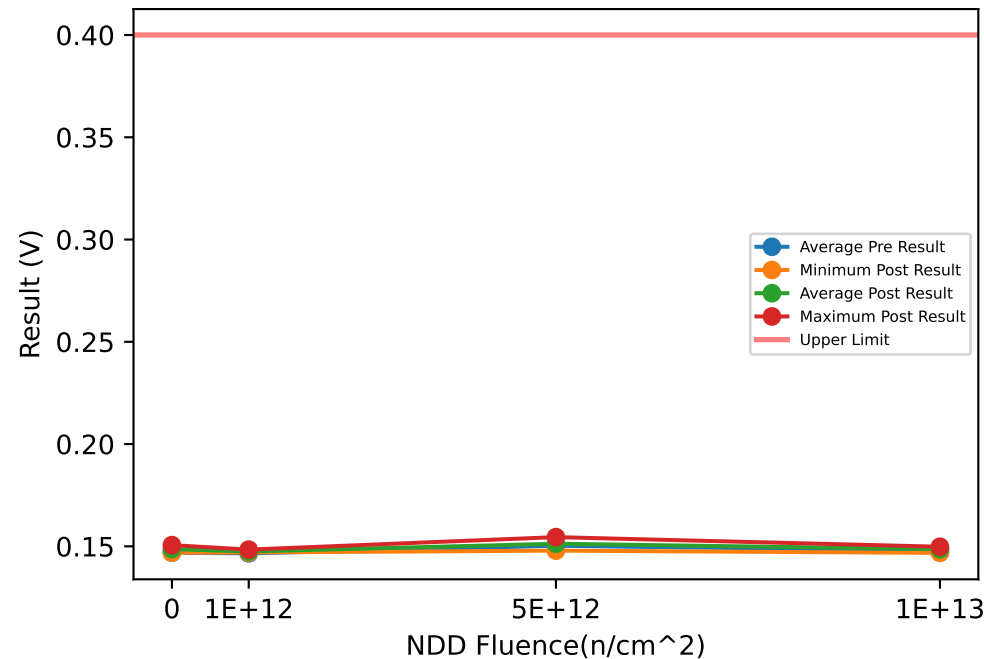


Test Statistics (V)

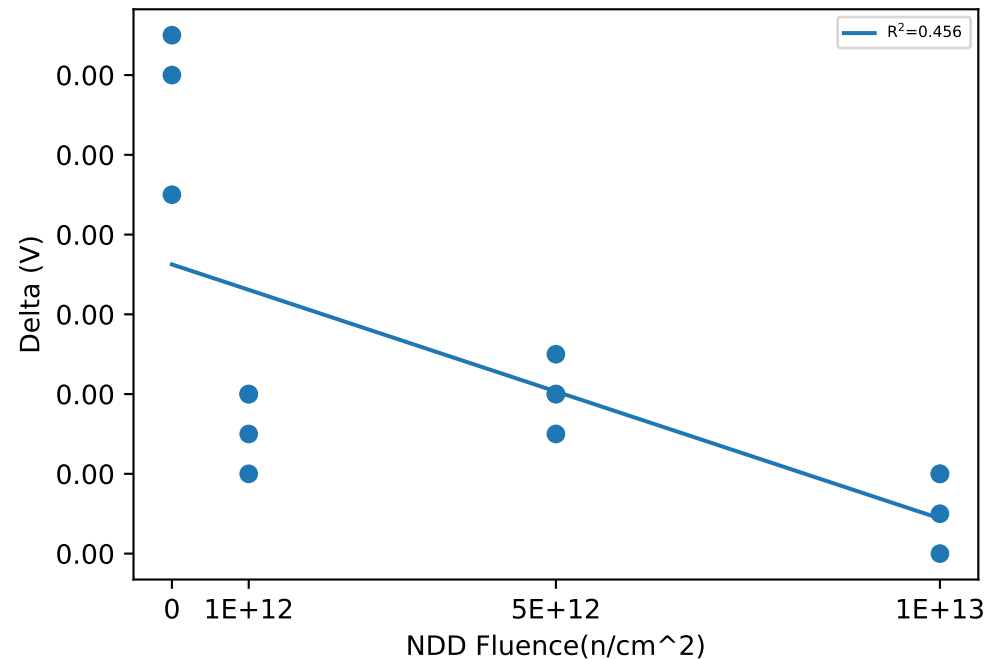
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1472	0.14923	0.1518	0.0023459	0.1492	0.151	0.1533	0.0020952	0.0015	0.0017667	0.002	0.00025166
1e+12	0.1488	0.14927	0.1503	0.00070887	0.1498	0.15025	0.1512	0.0006455	0.0009	0.000975	0.0011	9.5743e-05
5e+12	0.1492	0.15275	0.156	0.0029229	0.1503	0.15382	0.157	0.0029125	0.001	0.001075	0.0012	9.5743e-05
1e+13	0.1485	0.15043	0.1518	0.0013865	0.1492	0.15122	0.1527	0.001466	0.0007	0.0008	0.0009	8.165e-05

Device Test: 6.75; VOL_PWRGD_2MA_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 0.4 (V))

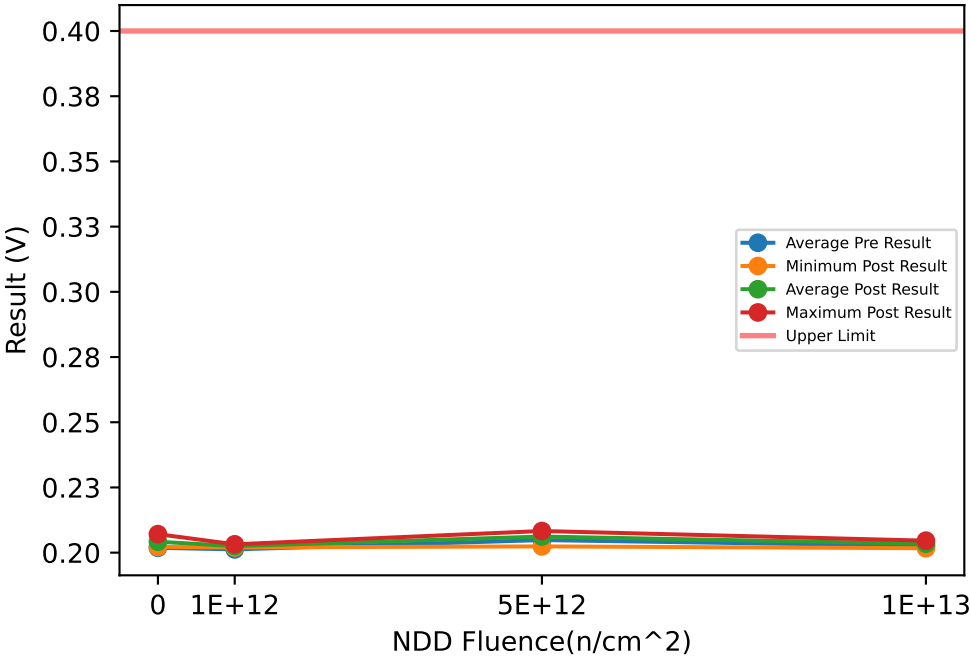
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1476	0.1484	0.0008
315	1e+12	NDD Unbiased	0.146	0.147	0.001
316	1e+12	NDD Unbiased	0.1461	0.1471	0.001
317	1e+12	NDD Unbiased	0.1465	0.1474	0.0009
318	5e+12	NDD Unbiased	0.1516	0.1526	0.001
319	5e+12	NDD Unbiased	0.147	0.1479	0.0009
320	5e+12	NDD Unbiased	0.1534	0.1545	0.0011
321	5e+12	NDD Unbiased	0.1491	0.1501	0.001
322	1e+13	NDD Unbiased	0.149	0.1498	0.0008
323	1e+13	NDD Unbiased	0.1461	0.1468	0.0007
324	1e+13	NDD Unbiased	0.1484	0.149	0.0006
325	1e+13	NDD Unbiased	0.1481	0.1489	0.0008
326	0	Correlation	0.1491	0.1506	0.0015
327	0	Correlation	0.1466	0.1484	0.0018
328	0	Correlation	0.145	0.1469	0.0019

Test Statistics (V)

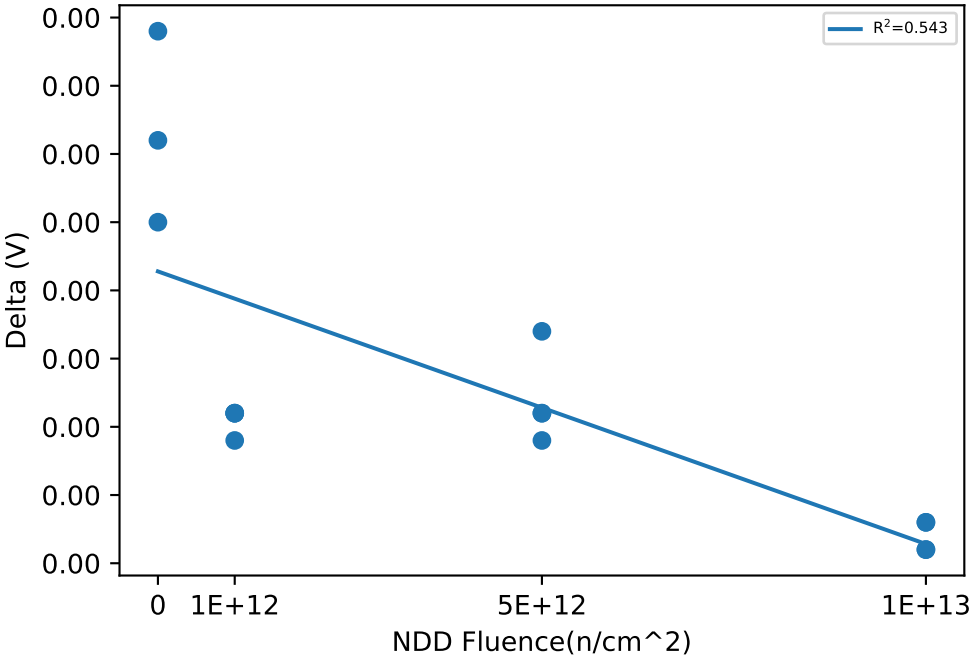
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.145	0.1469	0.1491	0.0020664	0.1469	0.14863	0.1506	0.001861	0.0015	0.0017333	0.0019	0.00020817
1e+12	0.146	0.14655	0.1476	0.00073258	0.147	0.14747	0.1484	0.00063966	0.0008	0.000925	0.001	9.5743e-05
5e+12	0.147	0.15027	0.1534	0.0028064	0.1479	0.15127	0.1545	0.0028826	0.0009	0.001	0.0011	8.165e-05
1e+13	0.1461	0.1479	0.149	0.001257	0.1468	0.14863	0.1498	0.0012816	0.0006	0.000725	0.0008	9.5743e-05

Device Test: 6.76; VOL_RESET_2MA_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 0.4 (V))

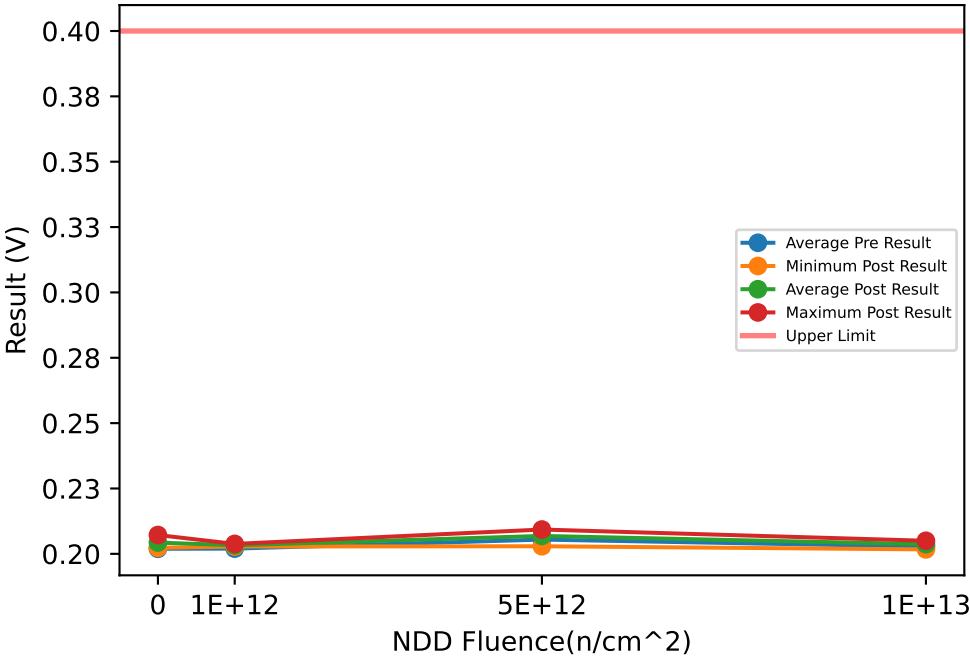
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.202	0.2032	0.0012
315	1e+12	NDD Unbiased	0.2007	0.202	0.0013
316	1e+12	NDD Unbiased	0.201	0.2023	0.0013
317	1e+12	NDD Unbiased	0.2013	0.2026	0.0013
318	5e+12	NDD Unbiased	0.2062	0.2078	0.0016
319	5e+12	NDD Unbiased	0.2012	0.2024	0.0012
320	5e+12	NDD Unbiased	0.207	0.2083	0.0013
321	5e+12	NDD Unbiased	0.2049	0.2062	0.0013
322	1e+13	NDD Unbiased	0.2032	0.2041	0.0009
323	1e+13	NDD Unbiased	0.2009	0.2017	0.0008
324	1e+13	NDD Unbiased	0.2037	0.2046	0.0009
325	1e+13	NDD Unbiased	0.2025	0.2033	0.0008
326	0	Correlation	0.2051	0.2071	0.002
327	0	Correlation	0.201	0.2033	0.0023
328	0	Correlation	0.1995	0.2022	0.0027

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	0.1995	0.20187	0.2051	0.0028989	0.2022	0.2042	0.2071	0.002571	0.002	0.0023333	0.0027	0.00035119
1e+12	0.2007	0.20125	0.202	0.00055678	0.202	0.20253	0.2032	0.00051235	0.0012	0.001275	0.0013	5e-05
5e+12	0.2012	0.20482	0.207	0.0025669	0.2024	0.20617	0.2083	0.0026713	0.0012	0.00135	0.0016	0.00017321
1e+13	0.2009	0.20258	0.2037	0.0012203	0.2017	0.20342	0.2046	0.0012685	0.0008	0.00085	0.0009	5.7735e-05

Device Test: 6.77; VOL_RESET_2MA_OD

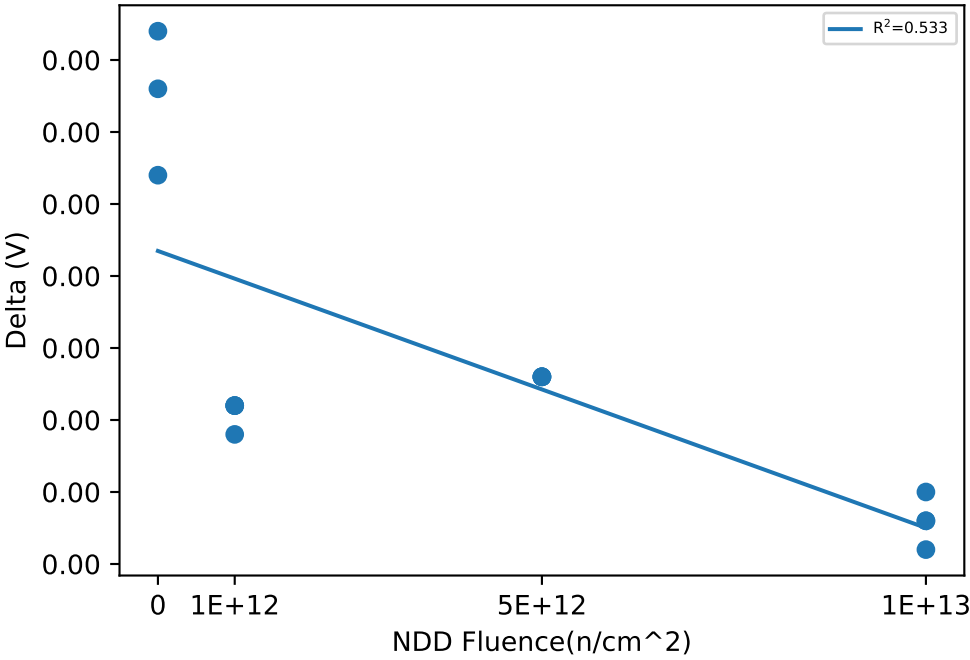
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2026	0.2038	0.0012
315	1e+12	NDD Unbiased	0.2019	0.2032	0.0013
316	1e+12	NDD Unbiased	0.202	0.2033	0.0013
317	1e+12	NDD Unbiased	0.2015	0.2028	0.0013
318	5e+12	NDD Unbiased	0.2069	0.2083	0.0014
319	5e+12	NDD Unbiased	0.2015	0.2029	0.0014
320	5e+12	NDD Unbiased	0.2079	0.2093	0.0014
321	5e+12	NDD Unbiased	0.2055	0.2069	0.0014
322	1e+13	NDD Unbiased	0.2035	0.2044	0.0009
323	1e+13	NDD Unbiased	0.2009	0.2017	0.0008
324	1e+13	NDD Unbiased	0.204	0.205	0.001
325	1e+13	NDD Unbiased	0.2027	0.2036	0.0009
326	0	Correlation	0.2051	0.2072	0.0021
327	0	Correlation	0.201	0.2034	0.0024
328	0	Correlation	0.1997	0.2023	0.0026

NDD vs Post - Pre Exposure Delta

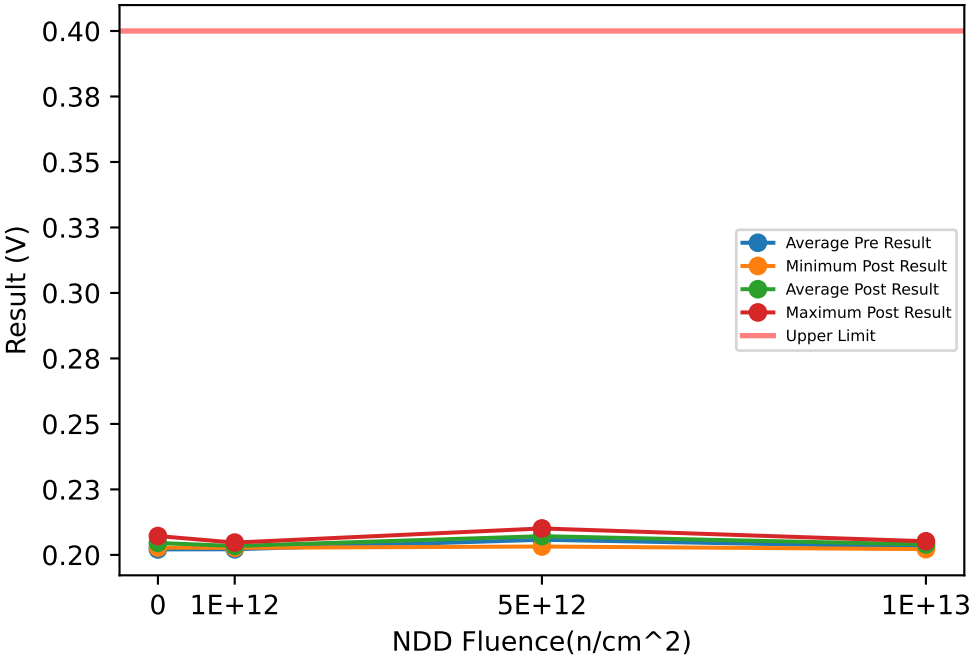


Test Statistics (V)

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	0.1997	0.20193	0.2051	0.0028184	0.2023	0.2043	0.2072	0.002571	0.0021	0.0023667	0.0026	0.00025166
1e+12	0.2015	0.202	0.2026	0.00045461	0.2028	0.20328	0.2038	0.0004113	0.0012	0.001275	0.0013	5e-05
5e+12	0.2015	0.20545	0.2079	0.0028113	0.2029	0.20685	0.2093	0.0028113	0.0014	0.0014	0.0014	1.3896e-17
1e+13	0.2009	0.20277	0.204	0.0013598	0.2017	0.20367	0.205	0.0014361	0.0008	0.0009	0.001	8.165e-05

Device Test: 6.78; VOL_RESET_2MA_OD

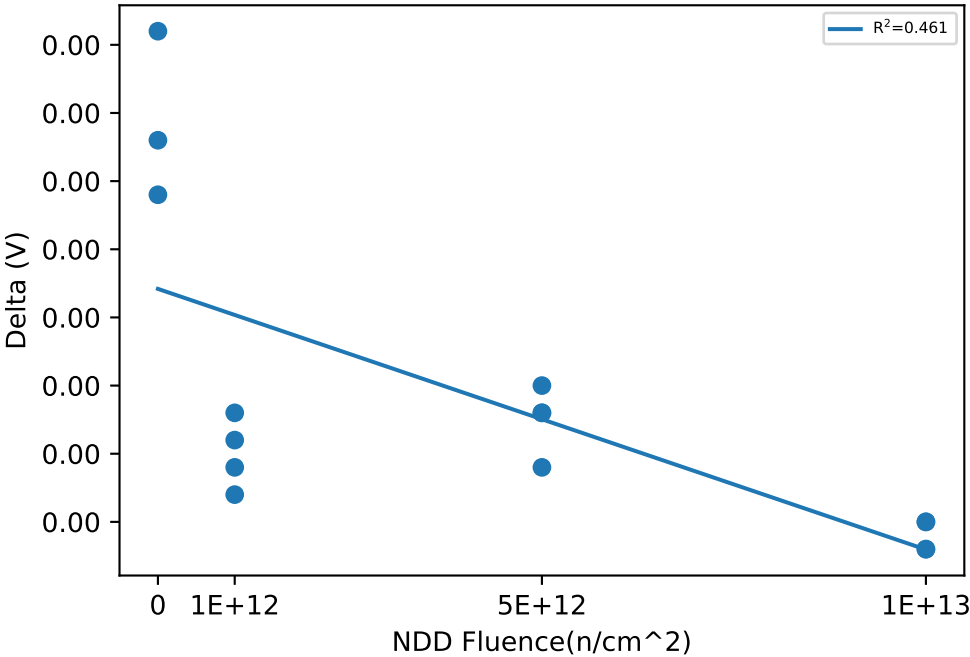
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2036	0.2047	0.0011
315	1e+12	NDD Unbiased	0.2015	0.2028	0.0013
316	1e+12	NDD Unbiased	0.2015	0.2027	0.0012
317	1e+12	NDD Unbiased	0.202	0.2034	0.0014
318	5e+12	NDD Unbiased	0.207	0.2085	0.0015
319	5e+12	NDD Unbiased	0.2018	0.2032	0.0014
320	5e+12	NDD Unbiased	0.2087	0.2101	0.0014
321	5e+12	NDD Unbiased	0.2056	0.2068	0.0012
322	1e+13	NDD Unbiased	0.2037	0.2046	0.0009
323	1e+13	NDD Unbiased	0.2013	0.2022	0.0009
324	1e+13	NDD Unbiased	0.2042	0.2052	0.001
325	1e+13	NDD Unbiased	0.203	0.204	0.001
326	0	Correlation	0.205	0.2072	0.0022
327	0	Correlation	0.2013	0.2037	0.0024
328	0	Correlation	0.2	0.2028	0.0028

NDD vs Post - Pre Exposure Delta

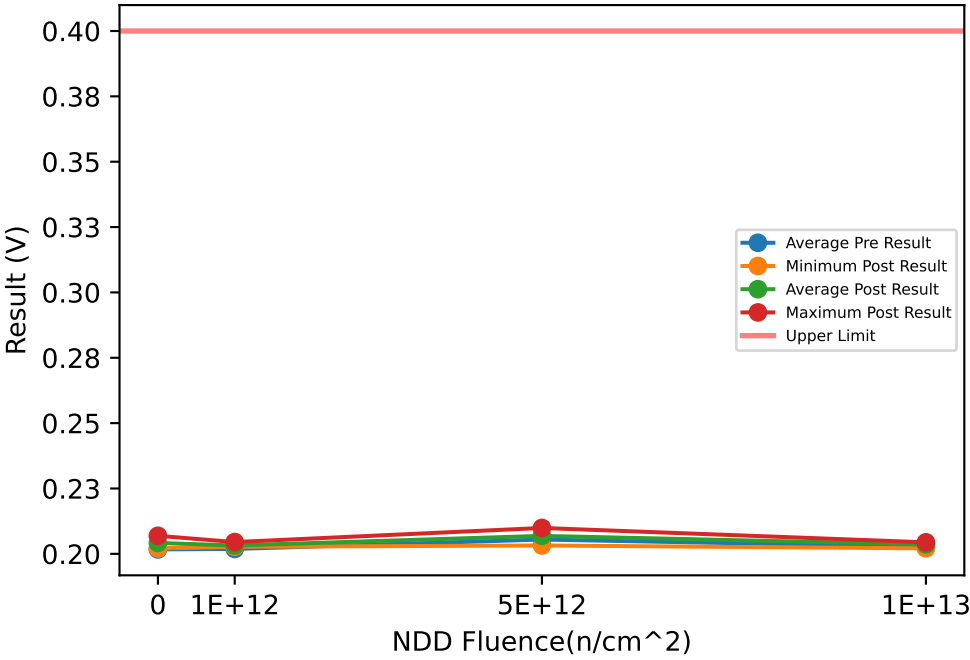


Test Statistics (V)

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	0.2	0.2021	0.205	0.0025942	0.2028	0.20457	0.2072	0.0023245	0.0022	0.0024667	0.0028	0.00030551
1e+12	0.2015	0.20215	0.2036	0.00099499	0.2027	0.2034	0.2047	0.00092014	0.0011	0.00125	0.0014	0.0001291
5e+12	0.2018	0.20577	0.2087	0.0029375	0.2032	0.20715	0.2101	0.002958	0.0012	0.001375	0.0015	0.00012583
1e+13	0.2013	0.20305	0.2042	0.0012662	0.2022	0.204	0.2052	0.0012961	0.0009	0.00095	0.001	5.7735e-05

Device Test: 6.79; VOL_RESET_2MA_OD

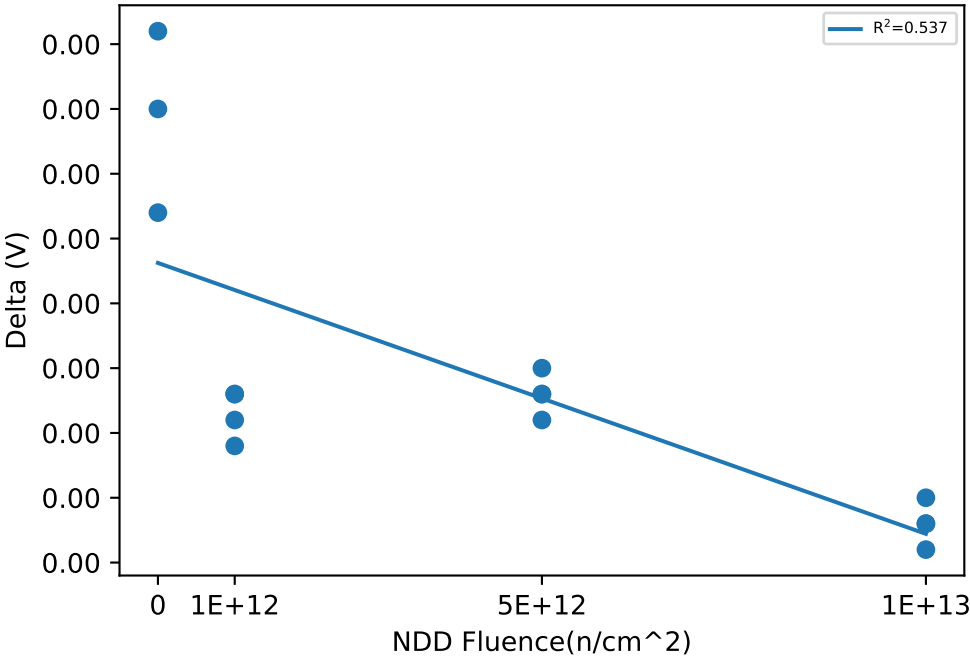
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.2033	0.2045	0.0012
315	1e+12	NDD Unbiased	0.2015	0.2028	0.0013
316	1e+12	NDD Unbiased	0.2014	0.2028	0.0014
317	1e+12	NDD Unbiased	0.2013	0.2027	0.0014
318	5e+12	NDD Unbiased	0.2066	0.2081	0.0015
319	5e+12	NDD Unbiased	0.2018	0.2032	0.0014
320	5e+12	NDD Unbiased	0.2085	0.2099	0.0014
321	5e+12	NDD Unbiased	0.205	0.2063	0.0013
322	1e+13	NDD Unbiased	0.2032	0.2041	0.0009
323	1e+13	NDD Unbiased	0.2011	0.2021	0.001
324	1e+13	NDD Unbiased	0.2035	0.2044	0.0009
325	1e+13	NDD Unbiased	0.203	0.2038	0.0008
326	0	Correlation	0.2048	0.2069	0.0021
327	0	Correlation	0.201	0.2035	0.0025
328	0	Correlation	0.1993	0.2021	0.0028

NDD vs Post - Pre Exposure Delta

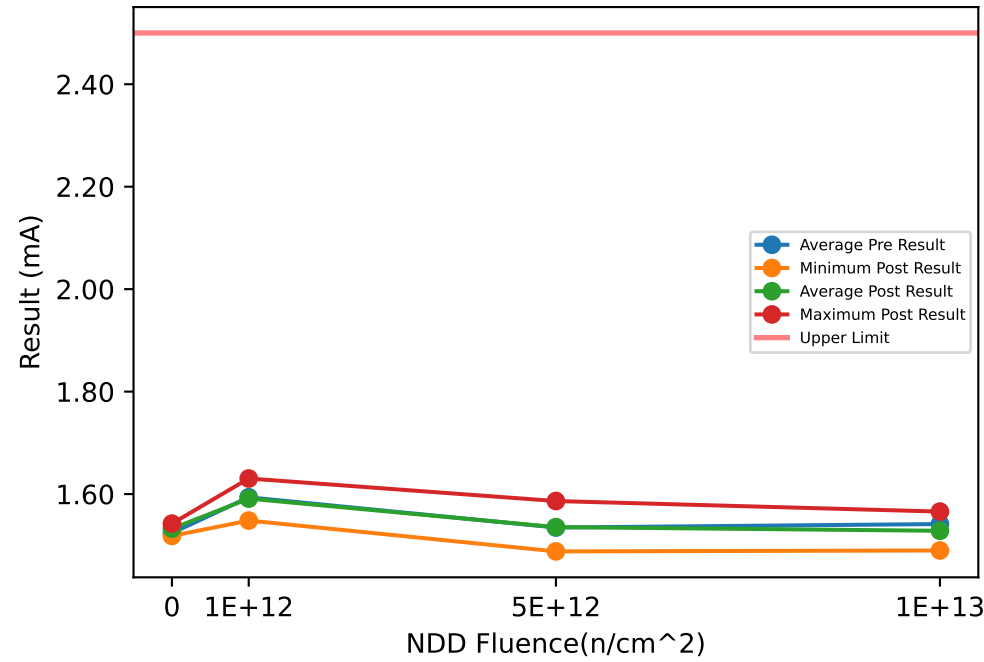


Test Statistics (V)

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	0.1993	0.2017	0.2048	0.002816	0.2021	0.20417	0.2069	0.0024685	0.0021	0.0024667	0.0028	0.00035119
1e+12	0.2013	0.20187	0.2033	0.0009535	0.2027	0.2032	0.2045	0.00086795	0.0012	0.001325	0.0014	9.5743e-05
5e+12	0.2018	0.20547	0.2085	0.0028371	0.2032	0.20688	0.2099	0.002857	0.0013	0.0014	0.0015	8.165e-05
1e+13	0.2011	0.2027	0.2035	0.0010863	0.2021	0.2036	0.2044	0.0010296	0.0008	0.0009	0.001	8.165e-05

Device Test: 6.8; IQ

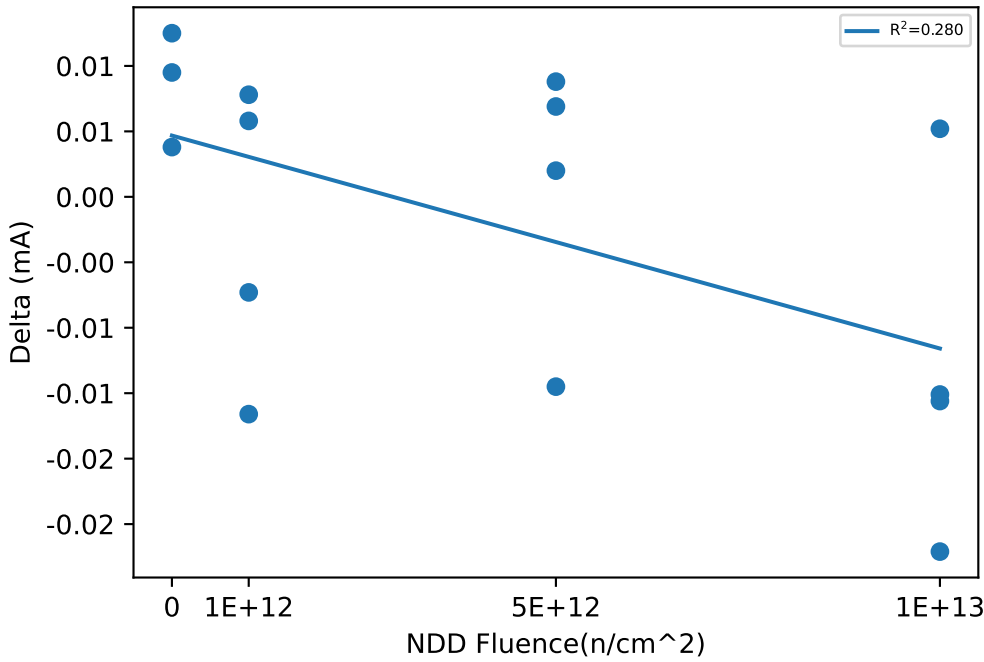
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	1.6444	1.6278	-0.0166
315	1e+12	NDD Unbiased	1.5556	1.5483	-0.0073
316	1e+12	NDD Unbiased	1.6226	1.6304	0.0078
317	1e+12	NDD Unbiased	1.5523	1.5581	0.0058
318	5e+12	NDD Unbiased	1.543	1.545	0.002
319	5e+12	NDD Unbiased	1.5156	1.5225	0.0069
320	5e+12	NDD Unbiased	1.5776	1.5864	0.0088
321	5e+12	NDD Unbiased	1.5026	1.4881	-0.0145
322	1e+13	NDD Unbiased	1.5599	1.5651	0.0052
323	1e+13	NDD Unbiased	1.5196	1.4925	-0.0271
324	1e+13	NDD Unbiased	1.5055	1.4899	-0.0156
325	1e+13	NDD Unbiased	1.5809	1.5658	-0.0151
326	0	Correlation	1.5271	1.5366	0.0095
327	0	Correlation	1.5385	1.5423	0.0038
328	0	Correlation	1.5058	1.5183	0.0125

NDD vs Post - Pre Exposure Delta

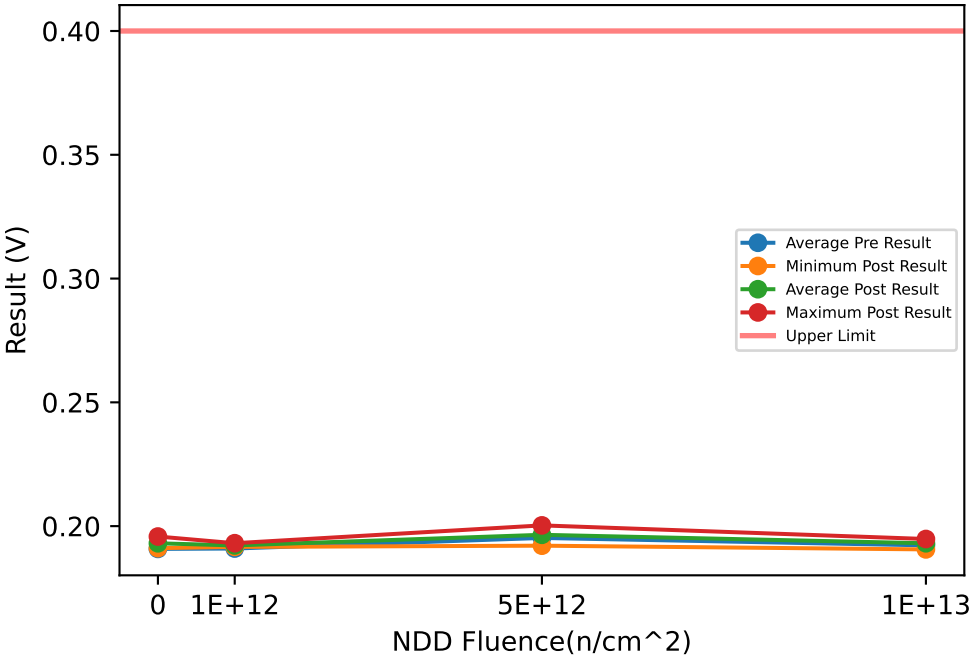


Test Statistics (mA)

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	1.5058	1.5238	1.5385	0.016598	1.5183	1.5324	1.5423	0.012539	0.0038	0.0086	0.0125	0.0044193
1e+12	1.5523	1.5937	1.6444	0.046802	1.5483	1.5912	1.6304	0.044016	-0.0166	-0.002575	0.0078	0.011501
5e+12	1.5026	1.5347	1.5776	0.033189	1.4881	1.5355	1.5864	0.041218	-0.0145	0.0008	0.0088	0.010595
1e+13	1.5055	1.5415	1.5809	0.03496	1.4899	1.5283	1.5658	0.042882	-0.0271	-0.01315	0.0052	0.01343

Device Test: 6.80; VOL_WDO_2MA_OD

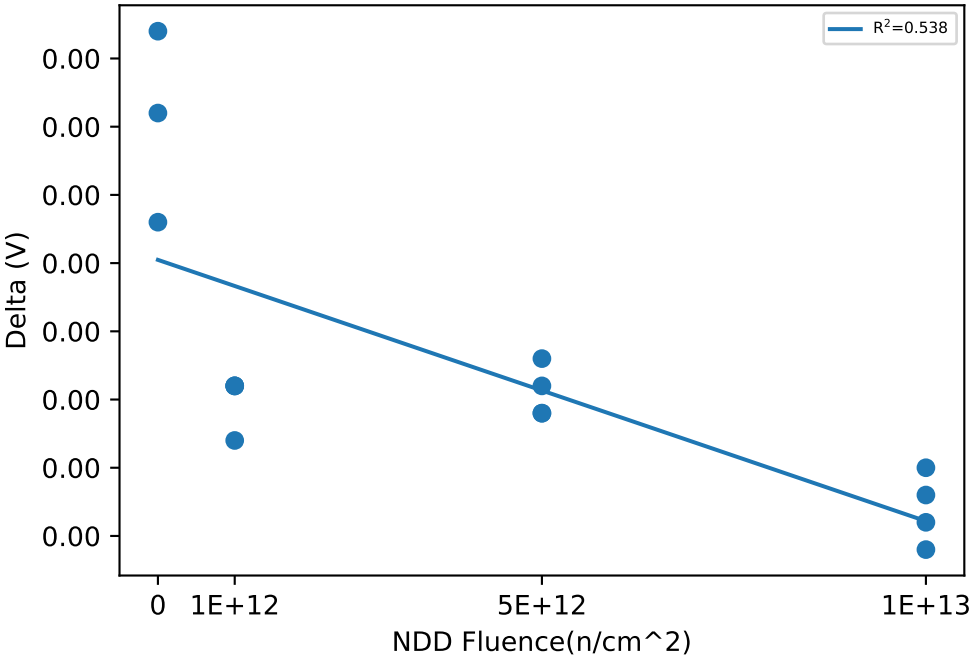
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.192	0.1931	0.0011
315	1e+12	NDD Unbiased	0.1905	0.1918	0.0013
316	1e+12	NDD Unbiased	0.1903	0.1916	0.0013
317	1e+12	NDD Unbiased	0.191	0.1923	0.0013
318	5e+12	NDD Unbiased	0.1969	0.1983	0.0014
319	5e+12	NDD Unbiased	0.1909	0.1921	0.0012
320	5e+12	NDD Unbiased	0.199	0.2003	0.0013
321	5e+12	NDD Unbiased	0.1941	0.1953	0.0012
322	1e+13	NDD Unbiased	0.194	0.1948	0.0008
323	1e+13	NDD Unbiased	0.1899	0.1906	0.0007
324	1e+13	NDD Unbiased	0.1923	0.1933	0.001
325	1e+13	NDD Unbiased	0.1927	0.1936	0.0009
326	0	Correlation	0.1939	0.1958	0.0019
327	0	Correlation	0.19	0.1923	0.0023
328	0	Correlation	0.1885	0.1911	0.0026

NDD vs Post - Pre Exposure Delta

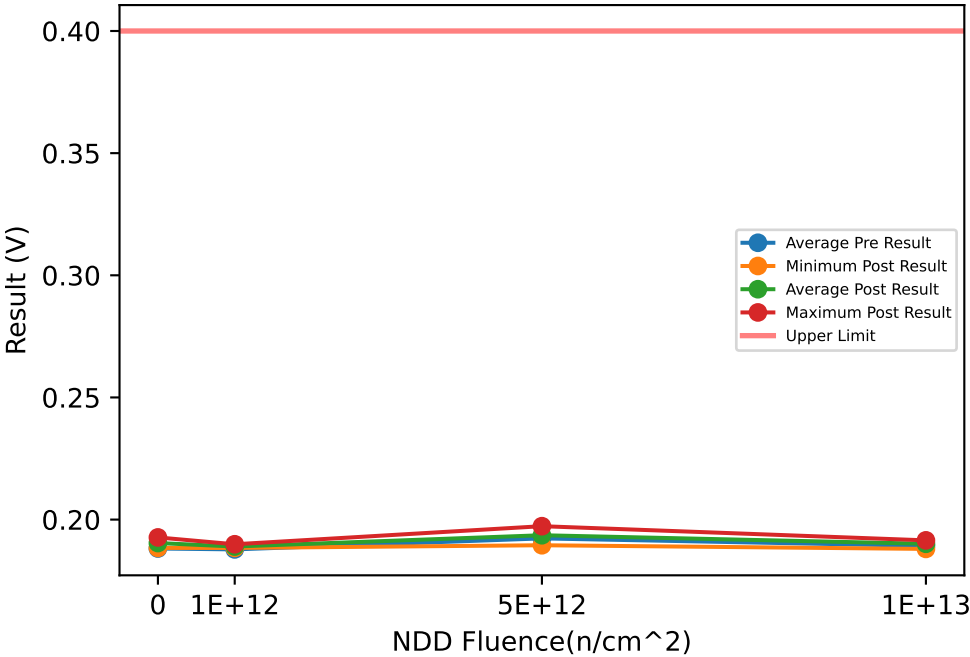


Test Statistics (V)

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	0.1885	0.1908	0.1939	0.0027875	0.1911	0.19307	0.1958	0.002442	0.0019	0.0022667	0.0026	0.00035119
1e+12	0.1903	0.19095	0.192	0.00075939	0.1916	0.1922	0.1931	0.00066833	0.0011	0.00125	0.0013	0.0001
5e+12	0.1909	0.19522	0.199	0.0035132	0.1921	0.1965	0.2003	0.0035814	0.0012	0.001275	0.0014	9.5743e-05
1e+13	0.1899	0.19223	0.194	0.0017115	0.1906	0.19307	0.1948	0.0017727	0.0007	0.00085	0.001	0.0001291

Device Test: 6.81; VOL_PWRGD_2MA_OD

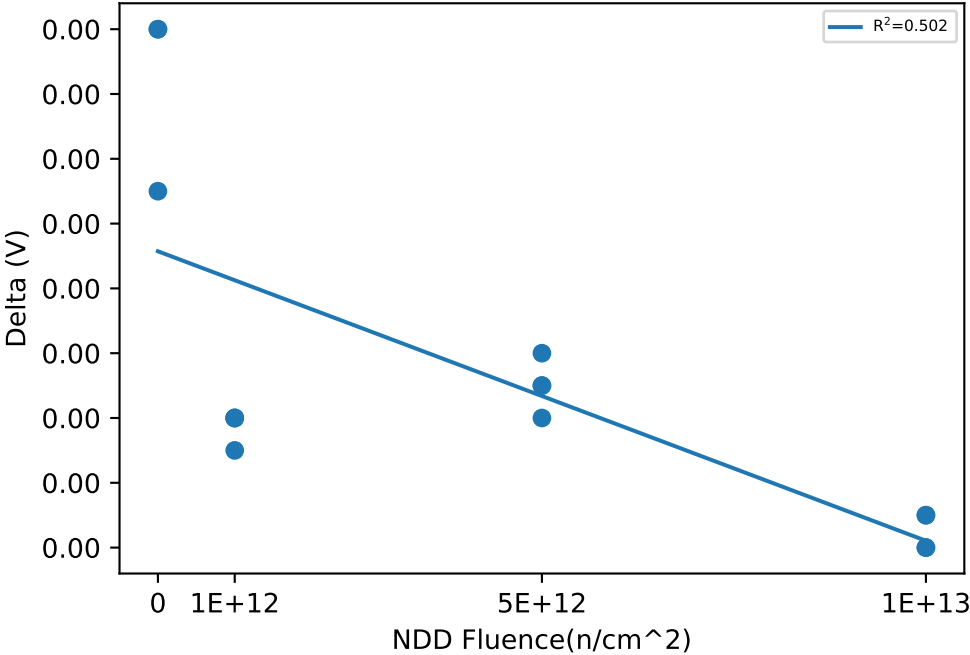
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1888	0.1899	0.0011
315	1e+12	NDD Unbiased	0.1873	0.1885	0.0012
316	1e+12	NDD Unbiased	0.1872	0.1884	0.0012
317	1e+12	NDD Unbiased	0.1879	0.1891	0.0012
318	5e+12	NDD Unbiased	0.194	0.1953	0.0013
319	5e+12	NDD Unbiased	0.1881	0.1895	0.0014
320	5e+12	NDD Unbiased	0.196	0.1973	0.0013
321	5e+12	NDD Unbiased	0.1911	0.1923	0.0012
322	1e+13	NDD Unbiased	0.1906	0.1915	0.0009
323	1e+13	NDD Unbiased	0.1871	0.188	0.0009
324	1e+13	NDD Unbiased	0.1897	0.1905	0.0008
325	1e+13	NDD Unbiased	0.1896	0.1904	0.0008
326	0	Correlation	0.1908	0.1927	0.0019
327	0	Correlation	0.1877	0.1901	0.0024
328	0	Correlation	0.186	0.1884	0.0024

NDD vs Post - Pre Exposure Delta

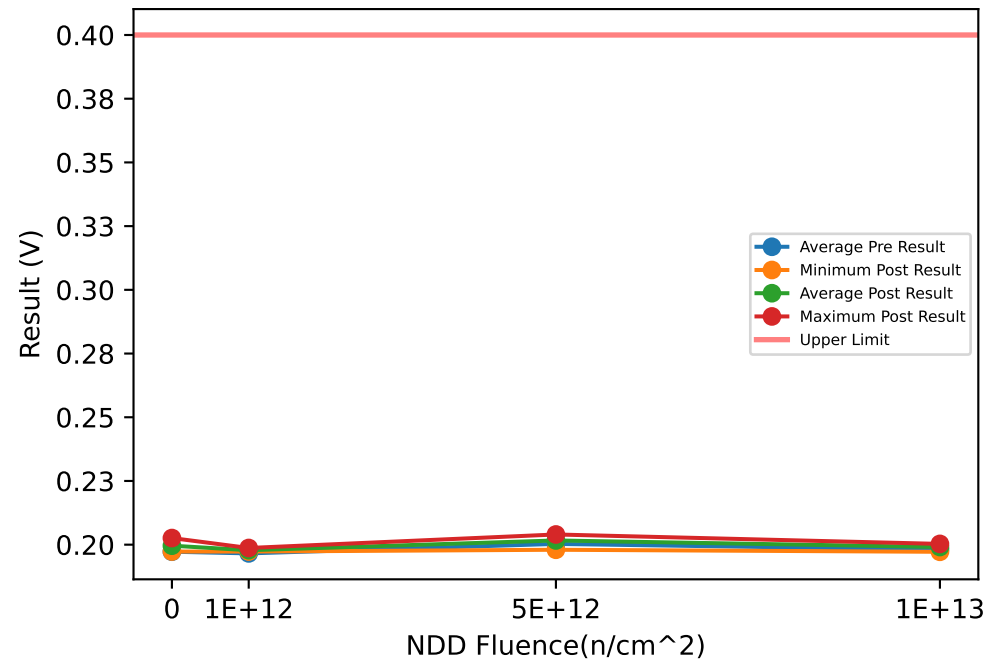


Test Statistics (V)

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	0.186	0.18817	0.1908	0.0024338	0.1884	0.1904	0.1927	0.0021656	0.0019	0.0022333	0.0024	0.00028868
1e+12	0.1872	0.1878	0.1888	0.00073485	0.1884	0.18898	0.1899	0.00068981	0.0011	0.001175	0.0012	5e-05
5e+12	0.1881	0.1923	0.196	0.0034477	0.1895	0.1936	0.1973	0.0034196	0.0012	0.0013	0.0014	8.165e-05
1e+13	0.1871	0.18925	0.1906	0.0015022	0.188	0.1901	0.1915	0.0014855	0.0008	0.00085	0.0009	5.7735e-05

Device Test: 6.82; VOL_RESET_2MA_OD

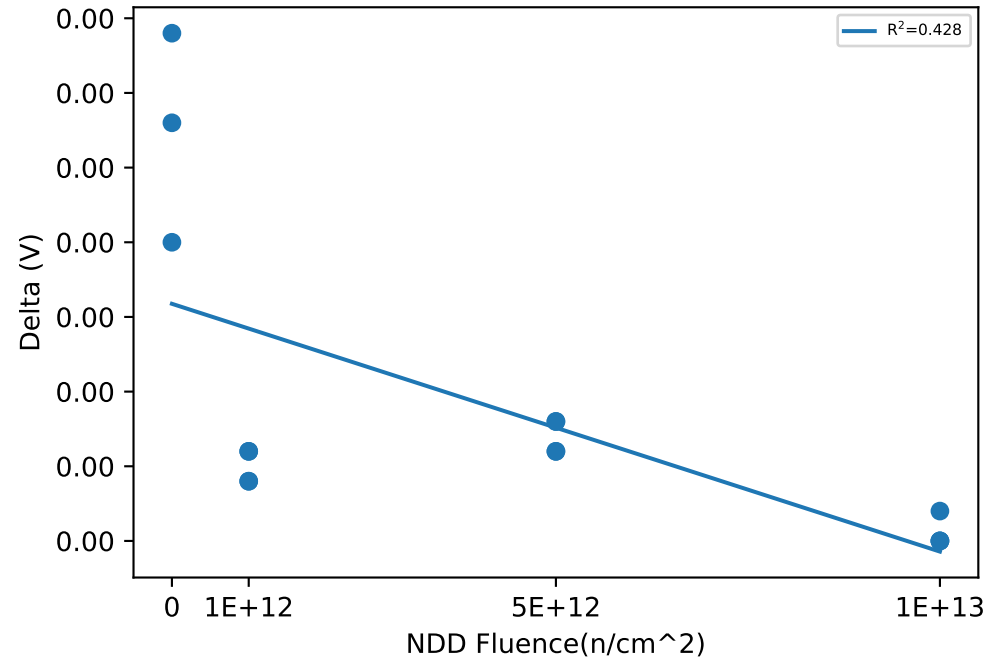
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1975	0.1987	0.0012
315	1e+12	NDD Unbiased	0.1961	0.1973	0.0012
316	1e+12	NDD Unbiased	0.1963	0.1976	0.0013
317	1e+12	NDD Unbiased	0.1964	0.1977	0.0013
318	5e+12	NDD Unbiased	0.2017	0.2031	0.0014
319	5e+12	NDD Unbiased	0.1966	0.198	0.0014
320	5e+12	NDD Unbiased	0.2027	0.204	0.0013
321	5e+12	NDD Unbiased	0.2002	0.2015	0.0013
322	1e+13	NDD Unbiased	0.1987	0.1998	0.0011
323	1e+13	NDD Unbiased	0.1962	0.1972	0.001
324	1e+13	NDD Unbiased	0.1993	0.2003	0.001
325	1e+13	NDD Unbiased	0.198	0.199	0.001
326	0	Correlation	0.2006	0.2026	0.002
327	0	Correlation	0.1965	0.1989	0.0024
328	0	Correlation	0.1946	0.1973	0.0027

NDD vs Post - Pre Exposure Delta

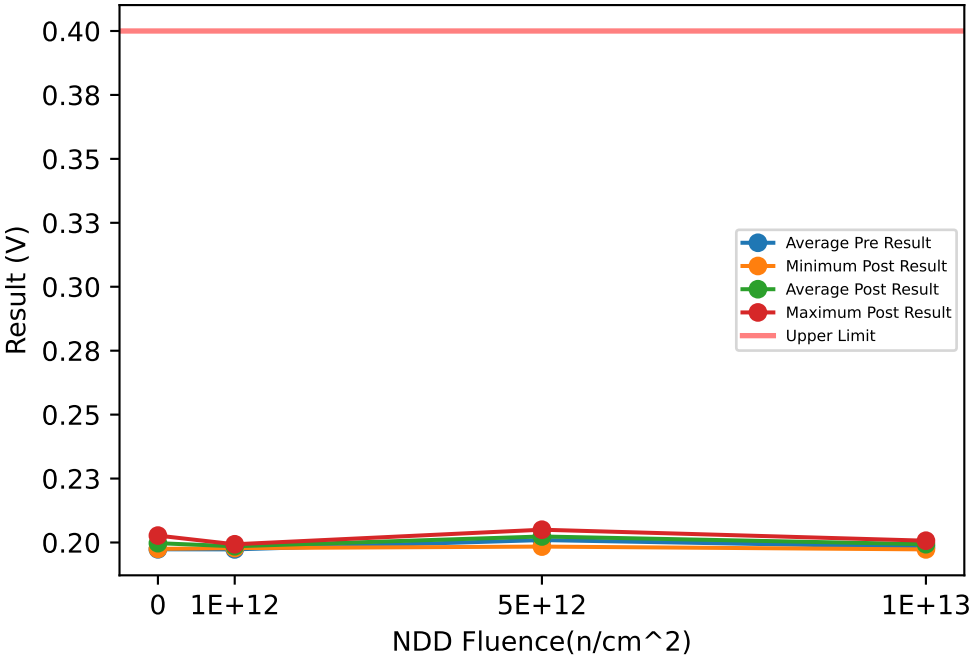


Test Statistics (V)

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	0.1946	0.19723	0.2006	0.0030665	0.1973	0.1996	0.2026	0.0027185	0.002	0.0023667	0.0027	0.00035119
1e+12	0.1961	0.19657	0.1975	0.00062915	0.1973	0.19783	0.1987	0.00060759	0.0012	0.00125	0.0013	5.7735e-05
5e+12	0.1966	0.2003	0.2027	0.0026721	0.198	0.20165	0.204	0.0026439	0.0013	0.00135	0.0014	5.7735e-05
1e+13	0.1962	0.19805	0.1993	0.0013429	0.1972	0.19908	0.2003	0.0013598	0.001	0.001025	0.0011	5e-05

Device Test: 6.83; VOL_RESET_2MA_OD

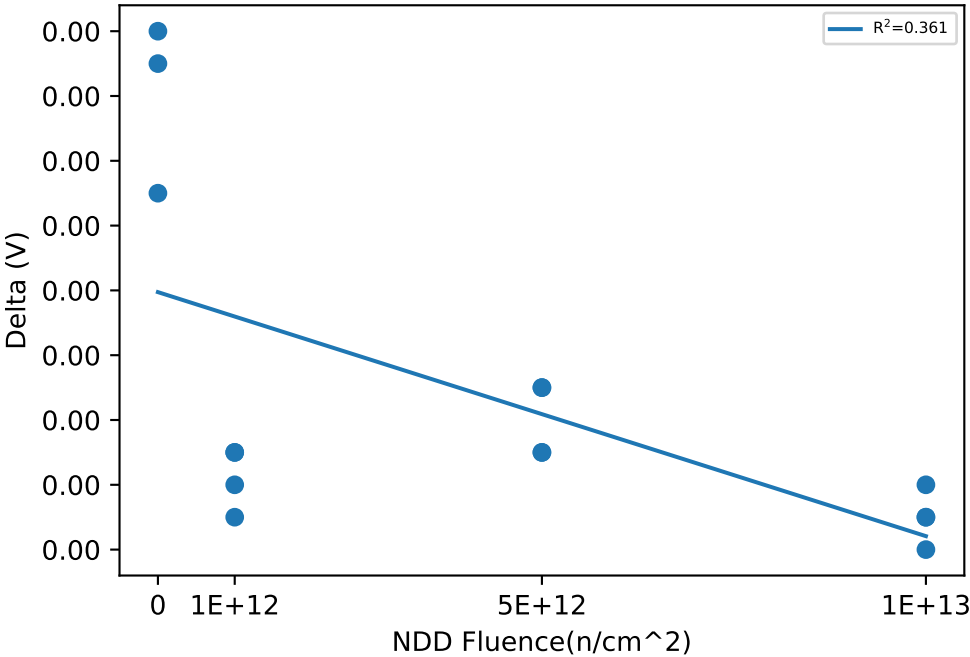
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1981	0.1993	0.0012
315	1e+12	NDD Unbiased	0.1971	0.1984	0.0013
316	1e+12	NDD Unbiased	0.1973	0.1986	0.0013
317	1e+12	NDD Unbiased	0.1967	0.1978	0.0011
318	5e+12	NDD Unbiased	0.2023	0.2038	0.0015
319	5e+12	NDD Unbiased	0.1969	0.1984	0.0015
320	5e+12	NDD Unbiased	0.2037	0.205	0.0013
321	5e+12	NDD Unbiased	0.2009	0.2022	0.0013
322	1e+13	NDD Unbiased	0.199	0.2001	0.0011
323	1e+13	NDD Unbiased	0.1962	0.1973	0.0011
324	1e+13	NDD Unbiased	0.1995	0.2007	0.0012
325	1e+13	NDD Unbiased	0.1982	0.1992	0.001
326	0	Correlation	0.2006	0.2027	0.0021
327	0	Correlation	0.1965	0.199	0.0025
328	0	Correlation	0.1949	0.1975	0.0026

NDD vs Post - Pre Exposure Delta

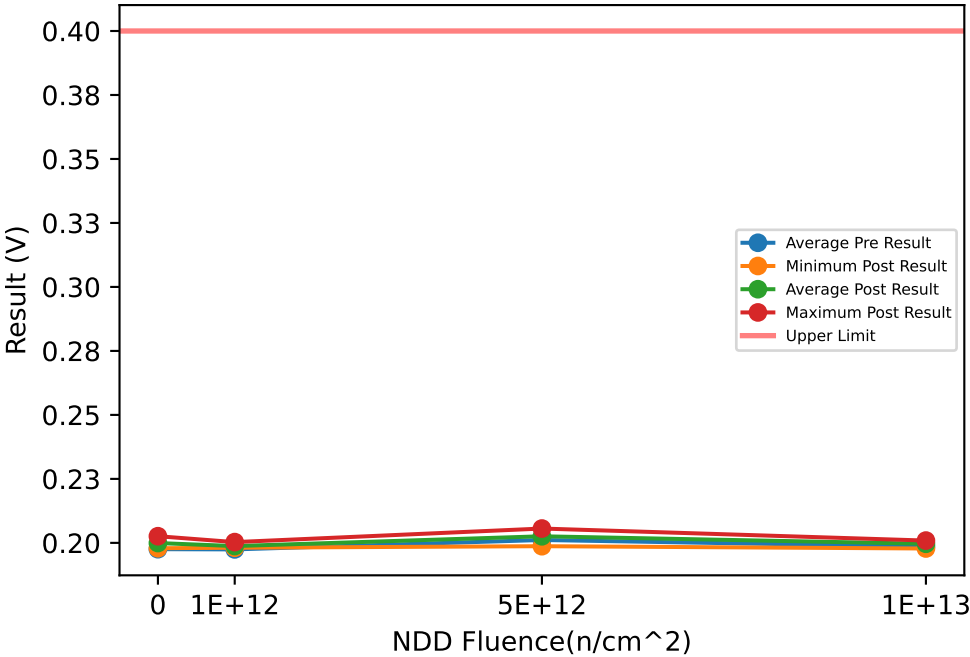


Test Statistics (V)

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	0.1949	0.19733	0.2006	0.00294	0.1975	0.19973	0.2027	0.0026764	0.0021	0.0024	0.0026	0.00026458
1e+12	0.1967	0.1973	0.1981	0.00058878	0.1978	0.19853	0.1993	0.00061847	0.0011	0.001225	0.0013	9.5743e-05
5e+12	0.1969	0.20095	0.2037	0.002932	0.1984	0.20235	0.205	0.0028723	0.0013	0.0014	0.0015	0.00011547
1e+13	0.1962	0.19823	0.1995	0.0014523	0.1973	0.19933	0.2007	0.0014841	0.001	0.0011	0.0012	8.165e-05

Device Test: 6.84; VOL_RESET_2MA_OD

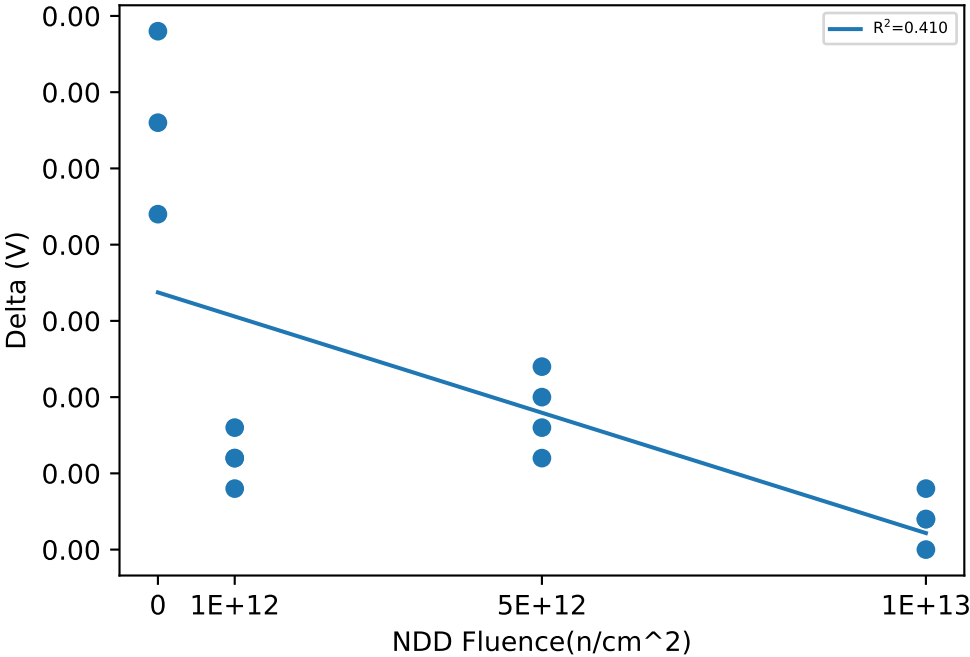
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1991	0.2003	0.0012
315	1e+12	NDD Unbiased	0.1968	0.1981	0.0013
316	1e+12	NDD Unbiased	0.1968	0.1981	0.0013
317	1e+12	NDD Unbiased	0.1971	0.1985	0.0014
318	5e+12	NDD Unbiased	0.2023	0.2039	0.0016
319	5e+12	NDD Unbiased	0.1972	0.1987	0.0015
320	5e+12	NDD Unbiased	0.2042	0.2056	0.0014
321	5e+12	NDD Unbiased	0.2008	0.2021	0.0013
322	1e+13	NDD Unbiased	0.1992	0.2002	0.001
323	1e+13	NDD Unbiased	0.1967	0.1978	0.0011
324	1e+13	NDD Unbiased	0.1998	0.2009	0.0011
325	1e+13	NDD Unbiased	0.1985	0.1997	0.0012
326	0	Correlation	0.2005	0.2026	0.0021
327	0	Correlation	0.1969	0.1993	0.0024
328	0	Correlation	0.1952	0.1979	0.0027

NDD vs Post - Pre Exposure Delta

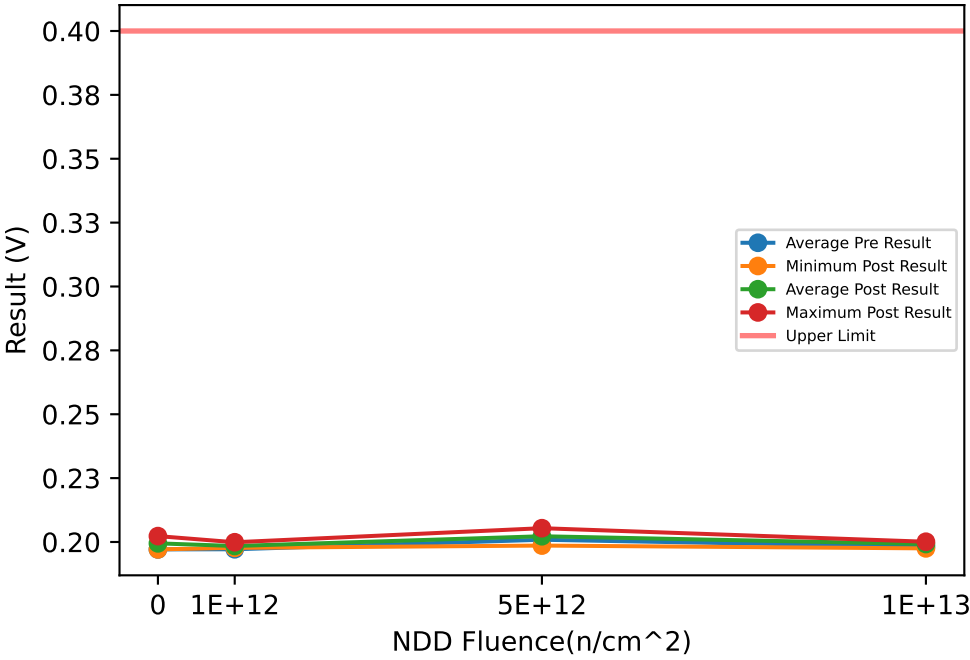


Test Statistics (V)

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	0.1952	0.19753	0.2005	0.0027062	0.1979	0.19993	0.2026	0.0024132	0.0021	0.0024	0.0027	0.0003
1e+12	0.1968	0.19745	0.1991	0.0011091	0.1981	0.19875	0.2003	0.0010504	0.0012	0.0013	0.0014	8.165e-05
5e+12	0.1972	0.20112	0.2042	0.0029635	0.1987	0.20258	0.2056	0.0029523	0.0013	0.00145	0.0016	0.0001291
1e+13	0.1967	0.19855	0.1998	0.0013429	0.1978	0.19965	0.2009	0.0013279	0.001	0.0011	0.0012	8.165e-05

Device Test: 6.85; VOL_RESET_2MA_OD

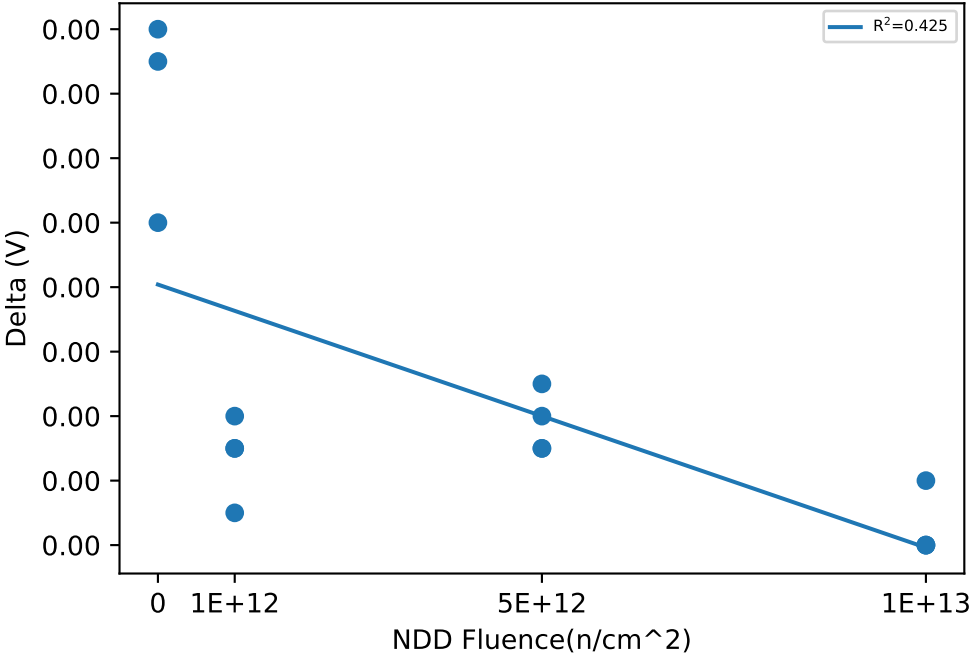
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1988	0.1999	0.0011
315	1e+12	NDD Unbiased	0.1967	0.198	0.0013
316	1e+12	NDD Unbiased	0.1967	0.1981	0.0014
317	1e+12	NDD Unbiased	0.1964	0.1977	0.0013
318	5e+12	NDD Unbiased	0.2019	0.2034	0.0015
319	5e+12	NDD Unbiased	0.1972	0.1986	0.0014
320	5e+12	NDD Unbiased	0.2041	0.2054	0.0013
321	5e+12	NDD Unbiased	0.2003	0.2016	0.0013
322	1e+13	NDD Unbiased	0.1986	0.1998	0.0012
323	1e+13	NDD Unbiased	0.1965	0.1975	0.001
324	1e+13	NDD Unbiased	0.1991	0.2001	0.001
325	1e+13	NDD Unbiased	0.1984	0.1994	0.001
326	0	Correlation	0.2003	0.2023	0.002
327	0	Correlation	0.1965	0.199	0.0025
328	0	Correlation	0.1945	0.1971	0.0026

NDD vs Post - Pre Exposure Delta

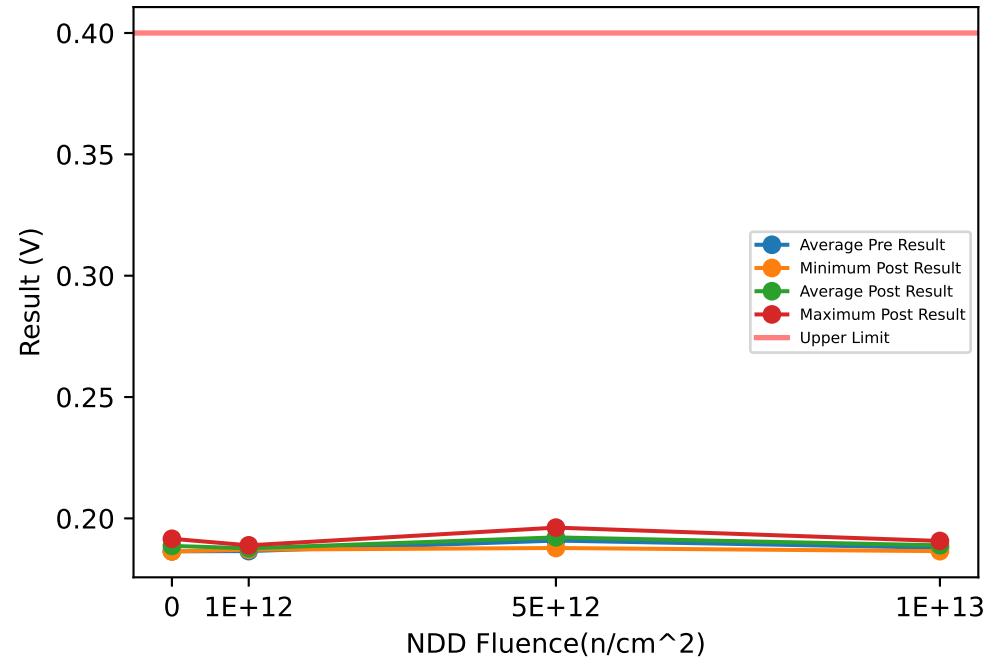


Test Statistics (V)

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	0.1945	0.1971	0.2003	0.0029462	0.1971	0.19947	0.2023	0.0026312	0.002	0.0023667	0.0026	0.00032146
1e+12	0.1964	0.19715	0.1988	0.0011091	0.1977	0.19842	0.1999	0.00099791	0.0011	0.001275	0.0014	0.00012583
5e+12	0.1972	0.20087	0.2041	0.0029033	0.1986	0.20225	0.2054	0.0028862	0.0013	0.001375	0.0015	9.5743e-05
1e+13	0.1965	0.19815	0.1991	0.0011387	0.1975	0.1992	0.2001	0.001169	0.001	0.00105	0.0012	0.0001

Device Test: 6.86; VOL_WDO_2MA_OD

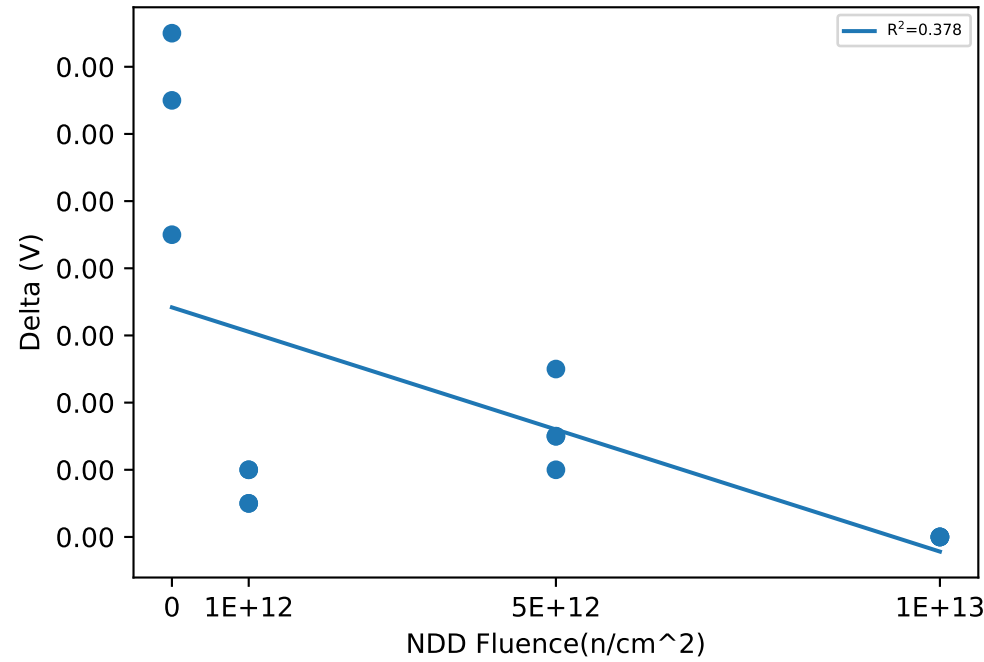
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1878	0.1889	0.0011
315	1e+12	NDD Unbiased	0.186	0.1872	0.0012
316	1e+12	NDD Unbiased	0.1859	0.1871	0.0012
317	1e+12	NDD Unbiased	0.1864	0.1875	0.0011
318	5e+12	NDD Unbiased	0.1924	0.1939	0.0015
319	5e+12	NDD Unbiased	0.1865	0.1878	0.0013
320	5e+12	NDD Unbiased	0.1949	0.1962	0.0013
321	5e+12	NDD Unbiased	0.1896	0.1908	0.0012
322	1e+13	NDD Unbiased	0.1897	0.1907	0.001
323	1e+13	NDD Unbiased	0.1855	0.1865	0.001
324	1e+13	NDD Unbiased	0.188	0.189	0.001
325	1e+13	NDD Unbiased	0.1884	0.1894	0.001
326	0	Correlation	0.1897	0.1916	0.0019
327	0	Correlation	0.1857	0.188	0.0023
328	0	Correlation	0.1839	0.1864	0.0025

NDD vs Post - Pre Exposure Delta

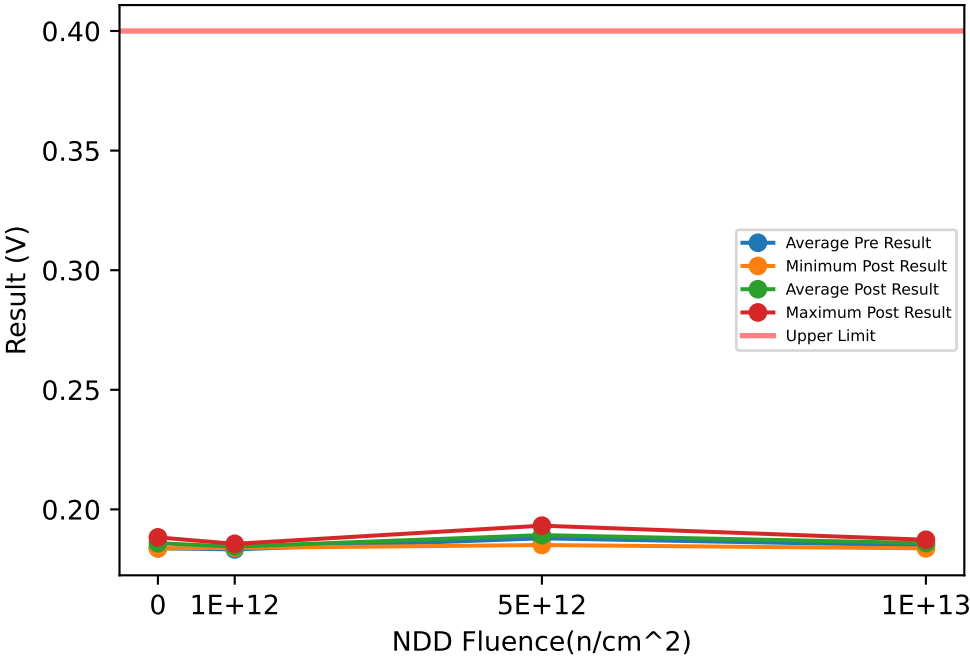


Test Statistics (V)

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	0.1839	0.18643	0.1897	0.0029687	0.1864	0.18867	0.1916	0.0026633	0.0019	0.0022333	0.0025	0.00030551
1e+12	0.1859	0.18652	0.1878	0.00087702	0.1871	0.18768	0.1889	0.00083417	0.0011	0.00115	0.0012	5.7735e-05
5e+12	0.1865	0.19085	0.1949	0.0036189	0.1878	0.19217	0.1962	0.0036609	0.0012	0.001325	0.0015	0.00012583
1e+13	0.1855	0.1879	0.1897	0.0017569	0.1865	0.1889	0.1907	0.0017569	0.001	0.001	0.001	0

Device Test: 6.87; VOL_PWRGD_2MA_OD

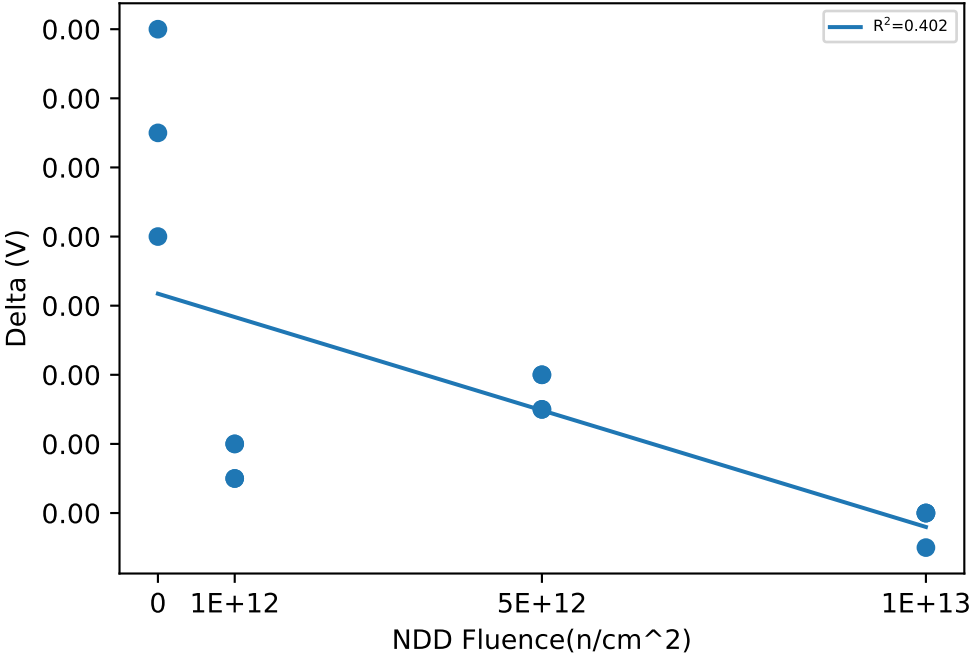
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.1844	0.1856	0.0012
315	1e+12	NDD Unbiased	0.1828	0.1839	0.0011
316	1e+12	NDD Unbiased	0.1827	0.1839	0.0012
317	1e+12	NDD Unbiased	0.1832	0.1843	0.0011
318	5e+12	NDD Unbiased	0.1895	0.1909	0.0014
319	5e+12	NDD Unbiased	0.1837	0.1851	0.0014
320	5e+12	NDD Unbiased	0.1919	0.1932	0.0013
321	5e+12	NDD Unbiased	0.1865	0.1878	0.0013
322	1e+13	NDD Unbiased	0.1863	0.1873	0.001
323	1e+13	NDD Unbiased	0.1828	0.1837	0.0009
324	1e+13	NDD Unbiased	0.1854	0.1864	0.001
325	1e+13	NDD Unbiased	0.1852	0.1862	0.001
326	0	Correlation	0.1865	0.1883	0.0018
327	0	Correlation	0.1835	0.1856	0.0021
328	0	Correlation	0.1813	0.1837	0.0024

NDD vs Post - Pre Exposure Delta

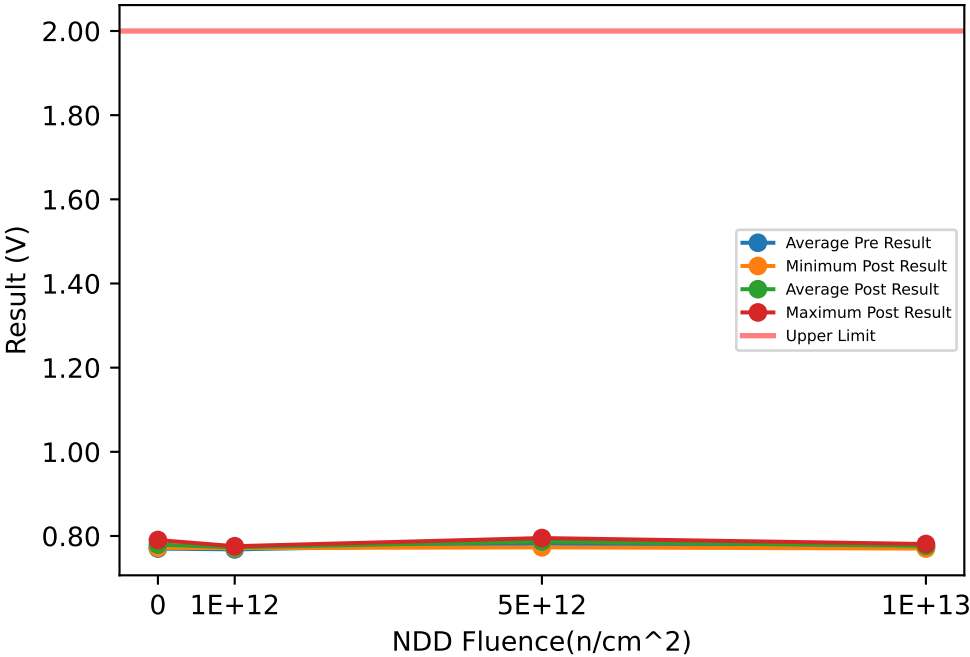


Test Statistics (V)

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	0.1813	0.18377	0.1865	0.0026102	0.1837	0.18587	0.1883	0.0023116	0.0018	0.0021	0.0024	0.0003
1e+12	0.1827	0.18327	0.1844	0.00078049	0.1839	0.18443	0.1856	0.00080571	0.0011	0.00115	0.0012	5.7735e-05
5e+12	0.1837	0.1879	0.1919	0.0035665	0.1851	0.18925	0.1932	0.0035426	0.0013	0.00135	0.0014	5.7735e-05
1e+13	0.1828	0.18493	0.1863	0.0014953	0.1837	0.1859	0.1873	0.0015427	0.0009	0.000975	0.001	5e-05

Device Test: 6.88; VOL_RESET_10MA_OD

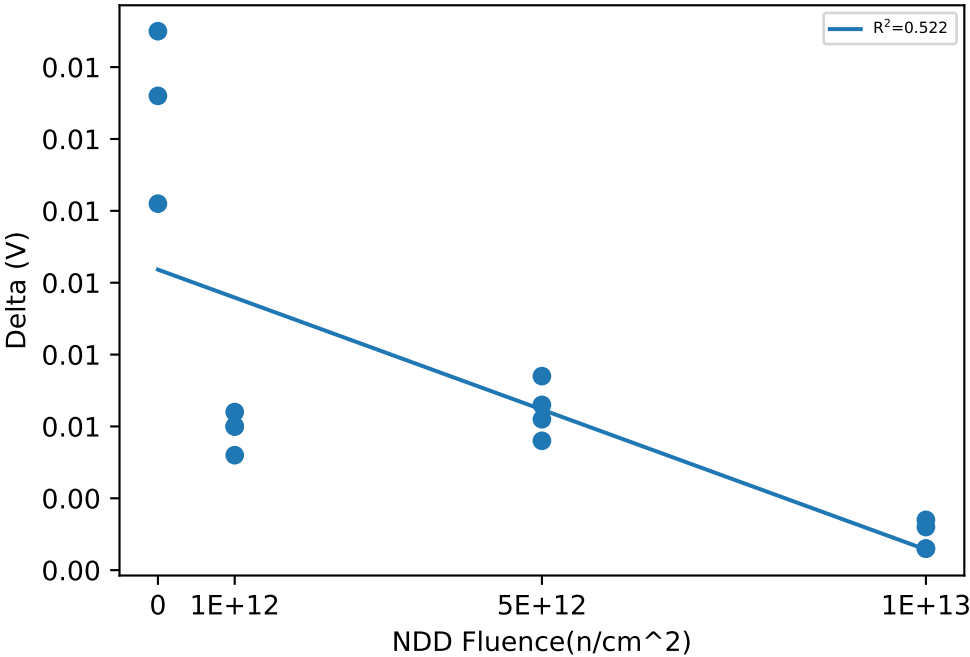
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7711	0.7757	0.0046
315	1e+12	NDD Unbiased	0.7661	0.7711	0.005
316	1e+12	NDD Unbiased	0.7668	0.772	0.0052
317	1e+12	NDD Unbiased	0.7685	0.7735	0.005
318	5e+12	NDD Unbiased	0.7872	0.7929	0.0057
319	5e+12	NDD Unbiased	0.7677	0.773	0.0053
320	5e+12	NDD Unbiased	0.79	0.7951	0.0051
321	5e+12	NDD Unbiased	0.7818	0.7866	0.0048
322	1e+13	NDD Unbiased	0.7753	0.779	0.0037
323	1e+13	NDD Unbiased	0.7667	0.77	0.0033
324	1e+13	NDD Unbiased	0.7773	0.7809	0.0036
325	1e+13	NDD Unbiased	0.7727	0.776	0.0033
326	0	Correlation	0.7823	0.7904	0.0081
327	0	Correlation	0.7667	0.7763	0.0096
328	0	Correlation	0.7614	0.7719	0.0105

NDD vs Post - Pre Exposure Delta

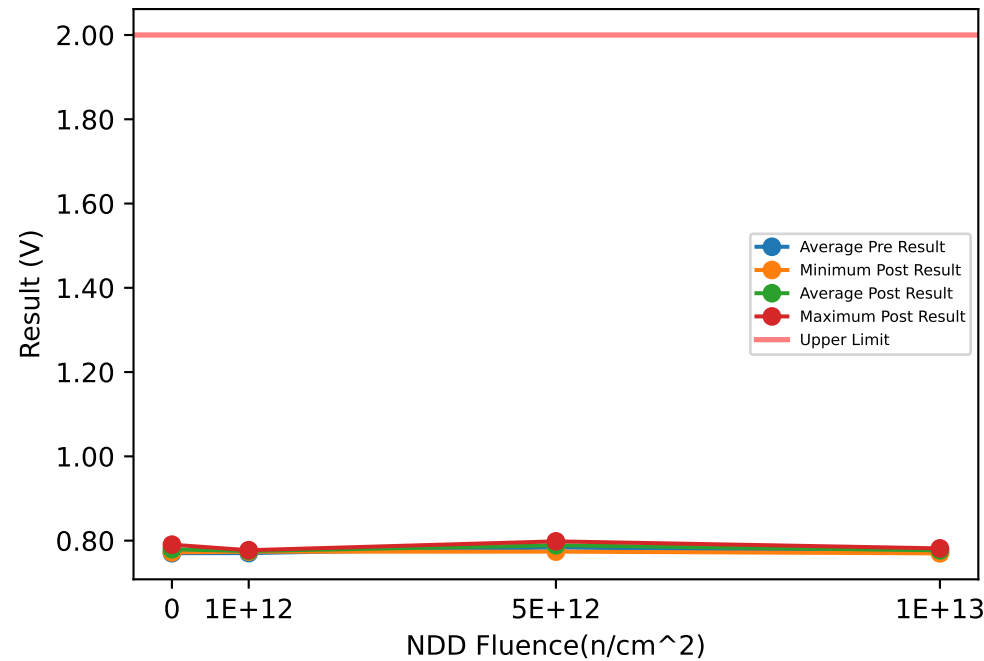


Test Statistics (V)

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	0.7614	0.77013	0.7823	0.010865	0.7719	0.77953	0.7904	0.0096645	0.0081	0.0094	0.0105	0.0012124
1e+12	0.7661	0.76812	0.7711	0.0022247	0.7711	0.77307	0.7757	0.0020106	0.0046	0.00495	0.0052	0.00025166
5e+12	0.7677	0.78168	0.79	0.0099188	0.773	0.7869	0.7951	0.0099422	0.0048	0.005225	0.0057	0.00037749
1e+13	0.7667	0.773	0.7773	0.0046029	0.77	0.77648	0.7809	0.0047647	0.0033	0.003475	0.0037	0.00020616

Device Test: 6.89; VOL_RESET_10MA_OD

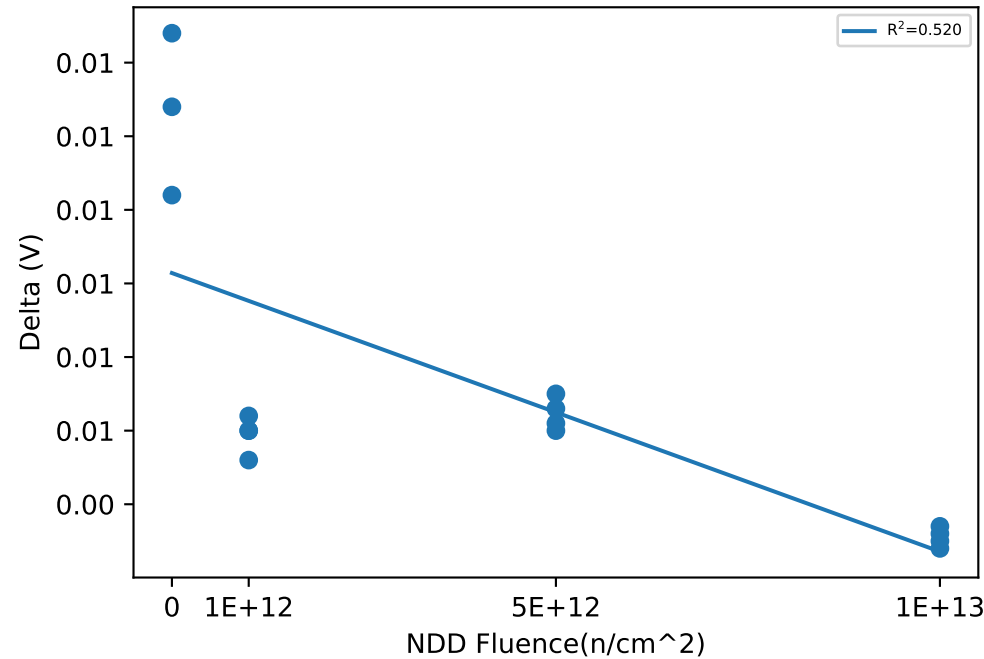
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7727	0.7773	0.0046
315	1e+12	NDD Unbiased	0.7699	0.7749	0.005
316	1e+12	NDD Unbiased	0.7703	0.7755	0.0052
317	1e+12	NDD Unbiased	0.7687	0.7737	0.005
318	5e+12	NDD Unbiased	0.7894	0.7949	0.0055
319	5e+12	NDD Unbiased	0.7686	0.7739	0.0053
320	5e+12	NDD Unbiased	0.7932	0.7983	0.0051
321	5e+12	NDD Unbiased	0.7838	0.7888	0.005
322	1e+13	NDD Unbiased	0.7762	0.7799	0.0037
323	1e+13	NDD Unbiased	0.7662	0.7697	0.0035
324	1e+13	NDD Unbiased	0.778	0.7816	0.0036
325	1e+13	NDD Unbiased	0.7731	0.7765	0.0034
326	0	Correlation	0.7822	0.7904	0.0082
327	0	Correlation	0.7665	0.7759	0.0094
328	0	Correlation	0.7617	0.7721	0.0104

NDD vs Post - Pre Exposure Delta

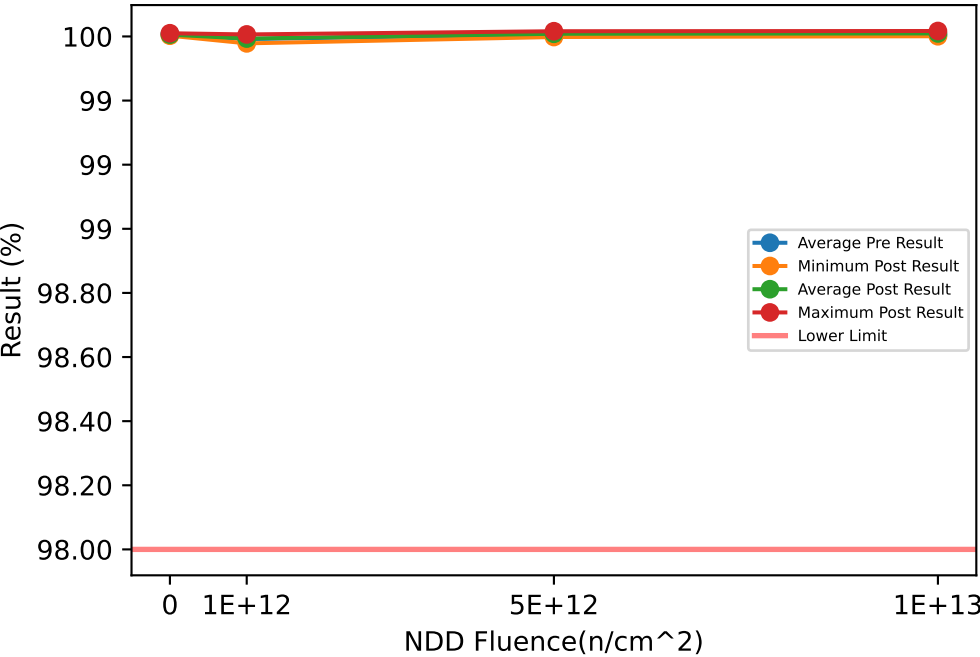


Test Statistics (V)

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	0.7617	0.77013	0.7822	0.010722	0.7721	0.77947	0.7904	0.0096573	0.0082	0.0093333	0.0104	0.0011015
1e+12	0.7687	0.7704	0.7727	0.0016773	0.7737	0.77535	0.7773	0.0015	0.0046	0.00495	0.0052	0.00025166
5e+12	0.7686	0.78375	0.7932	0.010813	0.7739	0.78897	0.7983	0.010791	0.005	0.005225	0.0055	0.00022174
1e+13	0.7662	0.77338	0.778	0.0051938	0.7697	0.77692	0.7816	0.0052627	0.0034	0.00355	0.0037	0.0001291

Device Test: 6.9; VLDO_DO

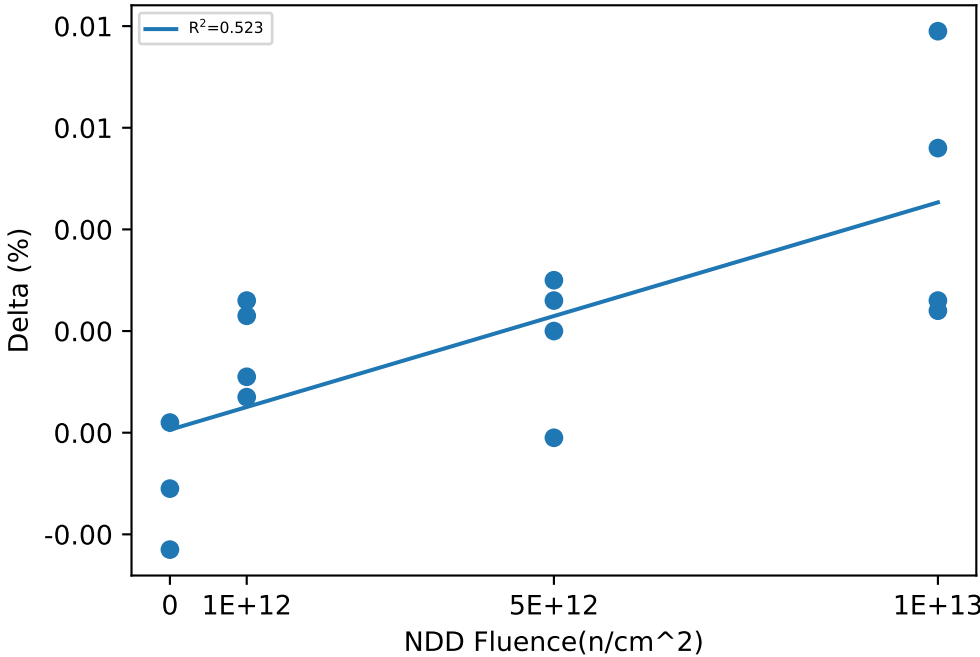
NDD vs Result Stats



Test Results (Lower Limit = 98.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	99.577	99.578	0.0011
315	1e+12	NDD Unbiased	99.6	99.602	0.0023
316	1e+12	NDD Unbiased	99.586	99.587	0.0007
317	1e+12	NDD Unbiased	99.604	99.606	0.0026
318	5e+12	NDD Unbiased	99.607	99.607	-0.0001
319	5e+12	NDD Unbiased	99.609	99.612	0.0026
320	5e+12	NDD Unbiased	99.596	99.598	0.002
321	5e+12	NDD Unbiased	99.613	99.616	0.003
322	1e+13	NDD Unbiased	99.606	99.609	0.0024
323	1e+13	NDD Unbiased	99.603	99.611	0.0079
324	1e+13	NDD Unbiased	99.611	99.617	0.0056
325	1e+13	NDD Unbiased	99.598	99.601	0.0026
326	0	Correlation	99.605	99.605	0.0002
327	0	Correlation	99.603	99.602	-0.0011
328	0	Correlation	99.612	99.61	-0.0023

NDD vs Post - Pre Exposure Delta

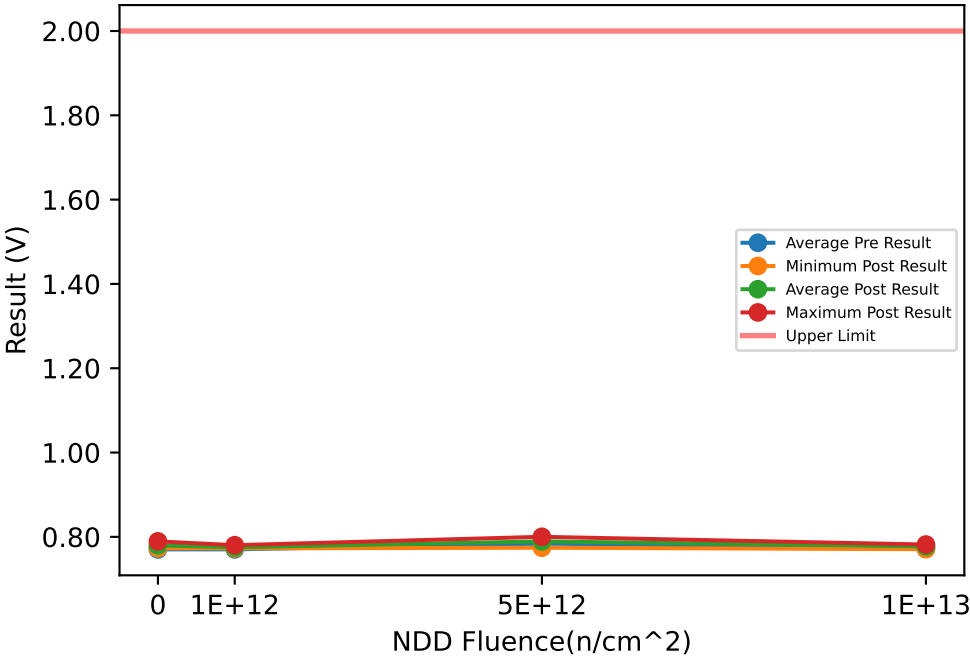


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.603	99.607	99.612	0.0048073	99.602	99.606	99.61	0.0039171	-0.0023	-0.0010667	0.0002	0.0012503
1e+12	99.577	99.592	99.604	0.012285	99.578	99.593	99.606	0.013109	0.0007	0.001675	0.0026	0.00091788
5e+12	99.596	99.606	99.613	0.0073054	99.598	99.608	99.616	0.0077393	-0.0001	0.001875	0.003	0.0013793
1e+13	99.598	99.605	99.611	0.0055811	99.601	99.609	99.617	0.0068274	0.0024	0.004625	0.0079	0.0026285

Device Test: 6.90; VOL_RESET_10MA_OD

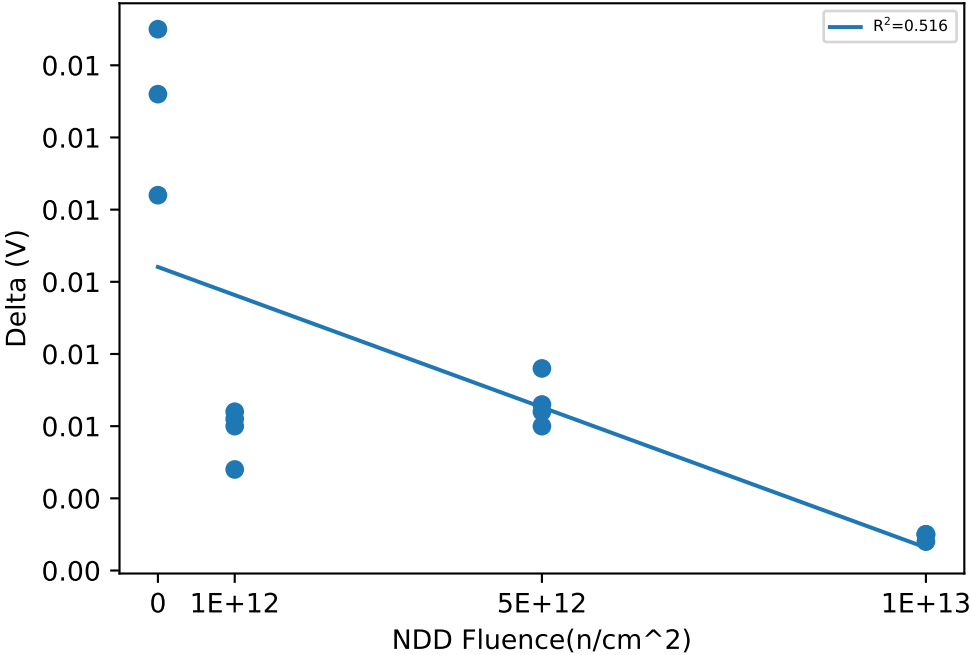
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7758	0.7802	0.0044
315	1e+12	NDD Unbiased	0.768	0.773	0.005
316	1e+12	NDD Unbiased	0.7675	0.7727	0.0052
317	1e+12	NDD Unbiased	0.7699	0.775	0.0051
318	5e+12	NDD Unbiased	0.7887	0.7945	0.0058
319	5e+12	NDD Unbiased	0.7689	0.7742	0.0053
320	5e+12	NDD Unbiased	0.7951	0.8001	0.005
321	5e+12	NDD Unbiased	0.783	0.7882	0.0052
322	1e+13	NDD Unbiased	0.7762	0.7797	0.0035
323	1e+13	NDD Unbiased	0.7673	0.7707	0.0034
324	1e+13	NDD Unbiased	0.7783	0.7818	0.0035
325	1e+13	NDD Unbiased	0.7737	0.7772	0.0035
326	0	Correlation	0.7811	0.7893	0.0082
327	0	Correlation	0.7672	0.7768	0.0096
328	0	Correlation	0.7624	0.7729	0.0105

NDD vs Post - Pre Exposure Delta

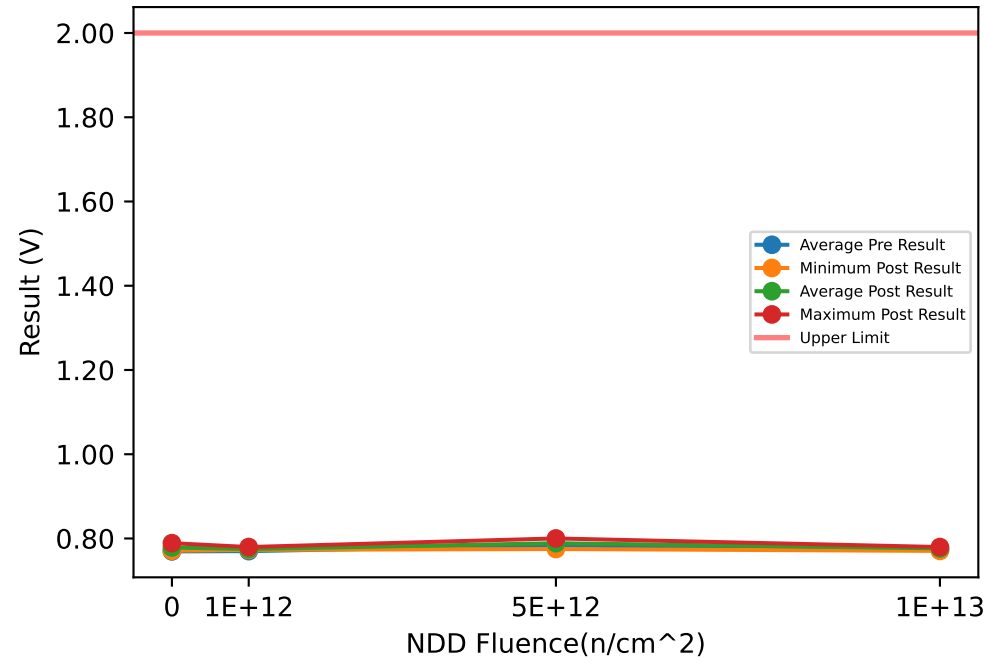


Test Statistics (V)

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	0.7624	0.77023	0.7811	0.009712	0.7729	0.77967	0.7893	0.0085676	0.0082	0.0094333	0.0105	0.001159
1e+12	0.7675	0.7703	0.7758	0.0038096	0.7727	0.77523	0.7802	0.0034702	0.0044	0.004925	0.0052	0.0003594
5e+12	0.7689	0.78392	0.7951	0.01117	0.7742	0.78925	0.8001	0.011149	0.005	0.005325	0.0058	0.00034034
1e+13	0.7673	0.77387	0.7783	0.0047696	0.7707	0.77735	0.7818	0.0048156	0.0034	0.003475	0.0035	5e-05

Device Test: 6.91; VOL_RESET_10MA_OD

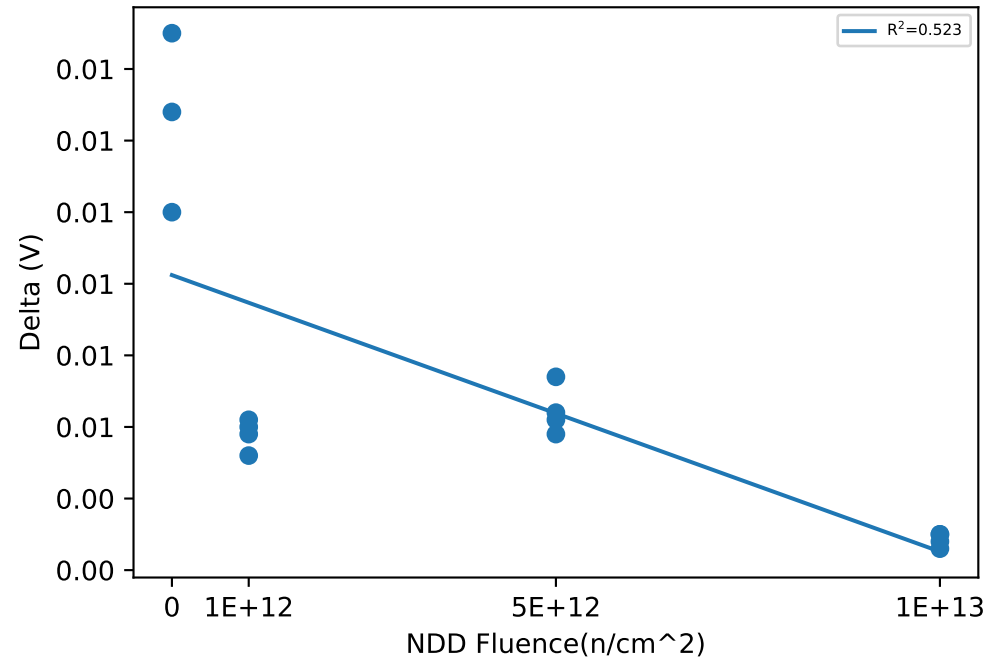
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7751	0.7797	0.0046
315	1e+12	NDD Unbiased	0.7685	0.7734	0.0049
316	1e+12	NDD Unbiased	0.7683	0.7734	0.0051
317	1e+12	NDD Unbiased	0.7679	0.7729	0.005
318	5e+12	NDD Unbiased	0.7879	0.7936	0.0057
319	5e+12	NDD Unbiased	0.7698	0.775	0.0052
320	5e+12	NDD Unbiased	0.795	0.8001	0.0051
321	5e+12	NDD Unbiased	0.7817	0.7866	0.0049
322	1e+13	NDD Unbiased	0.7749	0.7784	0.0035
323	1e+13	NDD Unbiased	0.7671	0.7704	0.0033
324	1e+13	NDD Unbiased	0.7762	0.7797	0.0035
325	1e+13	NDD Unbiased	0.7738	0.7772	0.0034
326	0	Correlation	0.7809	0.7889	0.008
327	0	Correlation	0.7667	0.7761	0.0094
328	0	Correlation	0.7604	0.7709	0.0105

NDD vs Post - Pre Exposure Delta

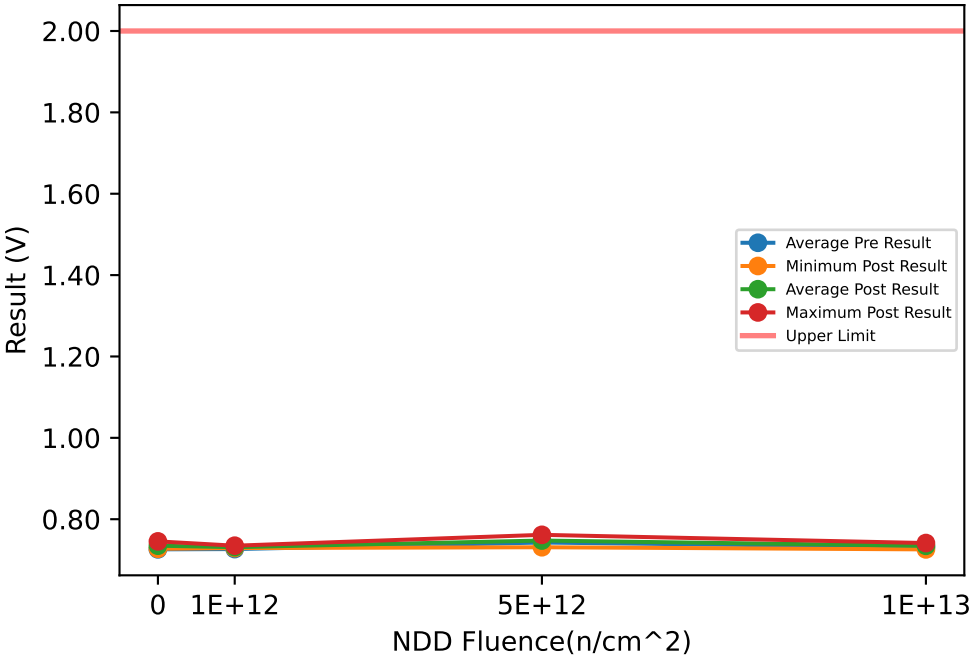


Test Statistics (V)

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	0.7604	0.76933	0.7809	0.010501	0.7709	0.77863	0.7889	0.0092635	0.008	0.0093	0.0105	0.001253
1e+12	0.7679	0.76995	0.7751	0.0034424	0.7729	0.77485	0.7797	0.0032419	0.0046	0.0049	0.0051	0.00021602
5e+12	0.7698	0.7836	0.795	0.010685	0.775	0.78882	0.8001	0.010739	0.0049	0.005225	0.0057	0.00034034
1e+13	0.7671	0.773	0.7762	0.0040538	0.7704	0.77642	0.7797	0.0041444	0.0033	0.003425	0.0035	9.5743e-05

Device Test: 6.92; VOL_WDO_10MA_OD

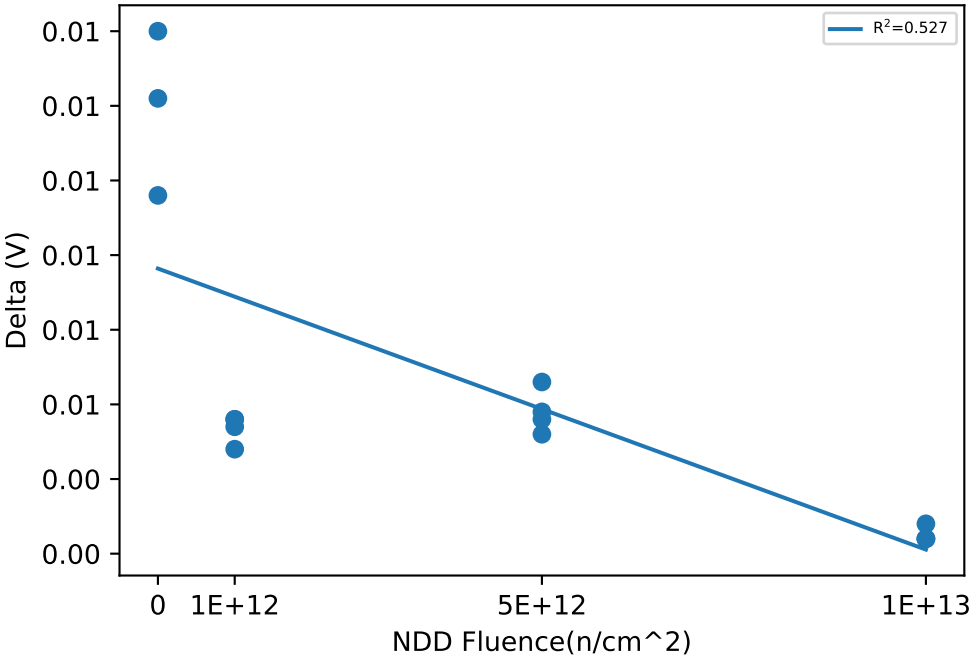
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7305	0.7349	0.0044
315	1e+12	NDD Unbiased	0.7247	0.7294	0.0047
316	1e+12	NDD Unbiased	0.7243	0.7291	0.0048
317	1e+12	NDD Unbiased	0.7269	0.7317	0.0048
318	5e+12	NDD Unbiased	0.7492	0.7545	0.0053
319	5e+12	NDD Unbiased	0.7262	0.7311	0.0049
320	5e+12	NDD Unbiased	0.7568	0.7616	0.0048
321	5e+12	NDD Unbiased	0.7385	0.7431	0.0046
322	1e+13	NDD Unbiased	0.738	0.7414	0.0034
323	1e+13	NDD Unbiased	0.7226	0.7258	0.0032
324	1e+13	NDD Unbiased	0.7318	0.735	0.0032
325	1e+13	NDD Unbiased	0.7332	0.7364	0.0032
326	0	Correlation	0.7377	0.7455	0.0078
327	0	Correlation	0.7228	0.7319	0.0091
328	0	Correlation	0.7173	0.7273	0.01

NDD vs Post - Pre Exposure Delta

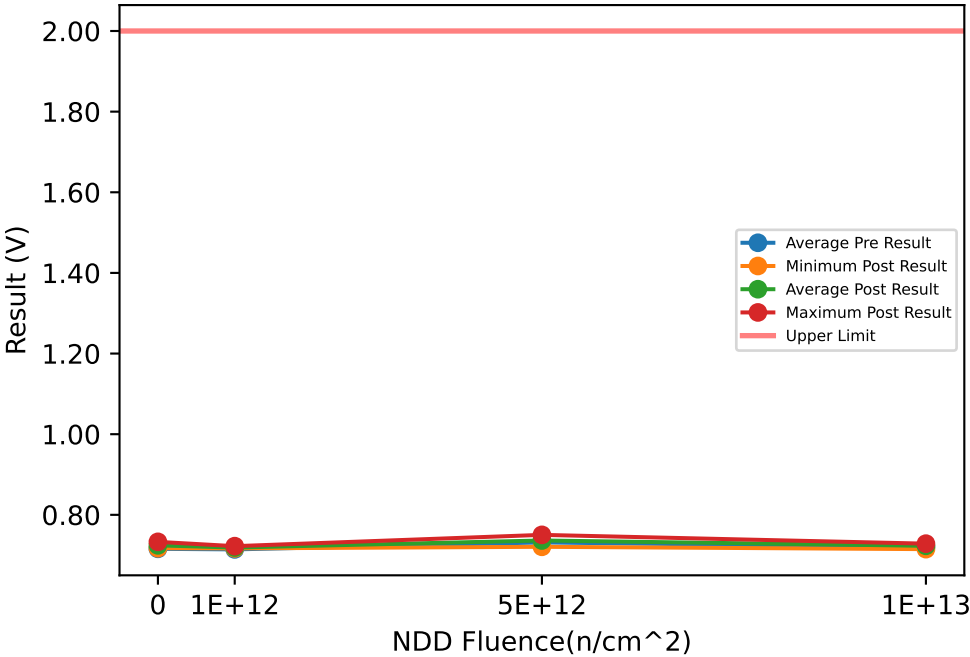


Test Statistics (V)

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	0.7173	0.72593	0.7377	0.010555	0.7273	0.7349	0.7455	0.0094636	0.0078	0.0089667	0.01	0.001106
1e+12	0.7243	0.7266	0.7305	0.0028402	0.7291	0.73128	0.7349	0.0026813	0.0044	0.004675	0.0048	0.0001893
5e+12	0.7262	0.74267	0.7568	0.013303	0.7311	0.74757	0.7616	0.013368	0.0046	0.0049	0.0053	0.00029439
1e+13	0.7226	0.7314	0.738	0.0064395	0.7258	0.73465	0.7414	0.0065082	0.0032	0.00325	0.0034	0.0001

Device Test: 6.93; VOL_PWRGD_10MA_OD

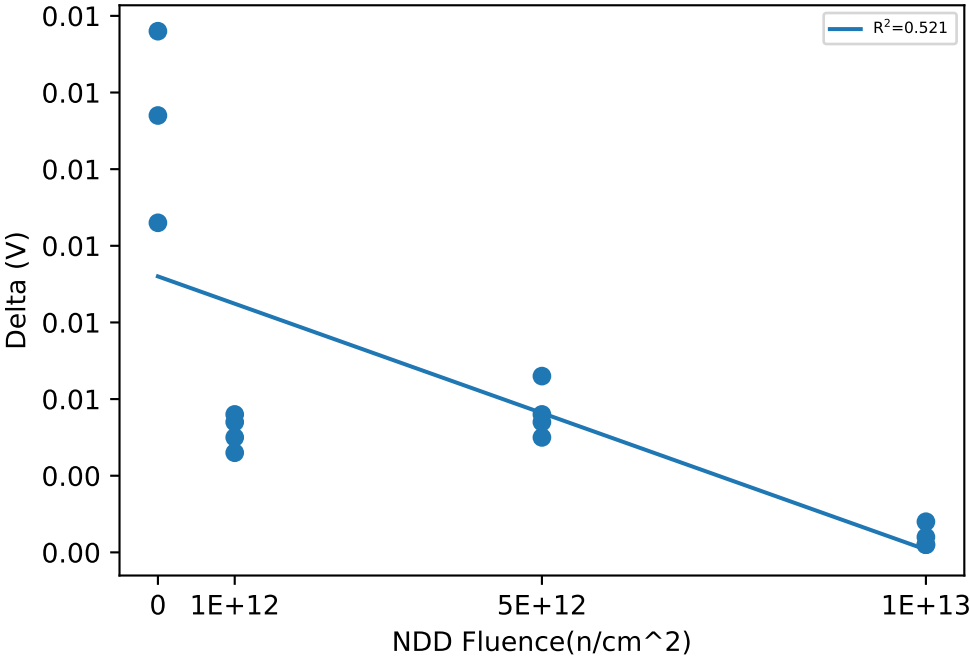
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.718	0.7223	0.0043
315	1e+12	NDD Unbiased	0.7124	0.7169	0.0045
316	1e+12	NDD Unbiased	0.7121	0.7168	0.0047
317	1e+12	NDD Unbiased	0.7146	0.7194	0.0048
318	5e+12	NDD Unbiased	0.7378	0.7431	0.0053
319	5e+12	NDD Unbiased	0.716	0.7207	0.0047
320	5e+12	NDD Unbiased	0.7455	0.7503	0.0048
321	5e+12	NDD Unbiased	0.7269	0.7314	0.0045
322	1e+13	NDD Unbiased	0.7251	0.7285	0.0034
323	1e+13	NDD Unbiased	0.7118	0.7149	0.0031
324	1e+13	NDD Unbiased	0.7218	0.7249	0.0031
325	1e+13	NDD Unbiased	0.7213	0.7245	0.0032
326	0	Correlation	0.7257	0.733	0.0073
327	0	Correlation	0.714	0.7227	0.0087
328	0	Correlation	0.7074	0.7172	0.0098

NDD vs Post - Pre Exposure Delta

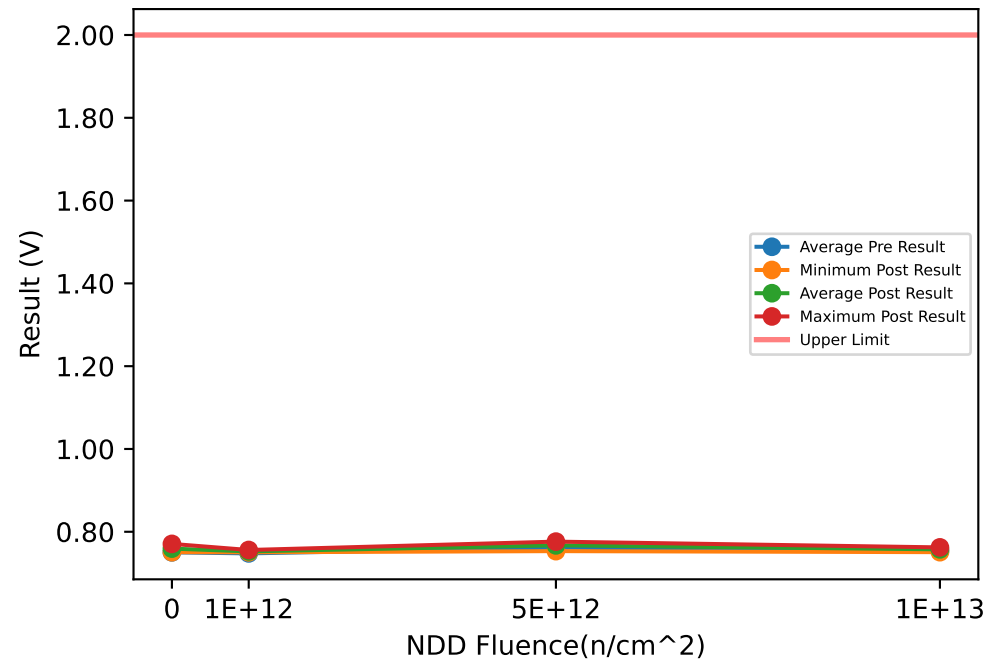


Test Statistics (V)

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	0.7074	0.7157	0.7257	0.0092677	0.7172	0.7243	0.733	0.0080206	0.0073	0.0086	0.0098	0.001253
1e+12	0.7121	0.71427	0.718	0.002722	0.7168	0.71885	0.7223	0.0025955	0.0043	0.004575	0.0048	0.00022174
5e+12	0.716	0.73155	0.7455	0.012872	0.7207	0.73638	0.7503	0.013033	0.0045	0.004825	0.0053	0.00034034
1e+13	0.7118	0.72	0.7251	0.0057207	0.7149	0.7232	0.7285	0.0058184	0.0031	0.0032	0.0034	0.00014142

Device Test: 6.94; VOL_RESET_10MA_OD

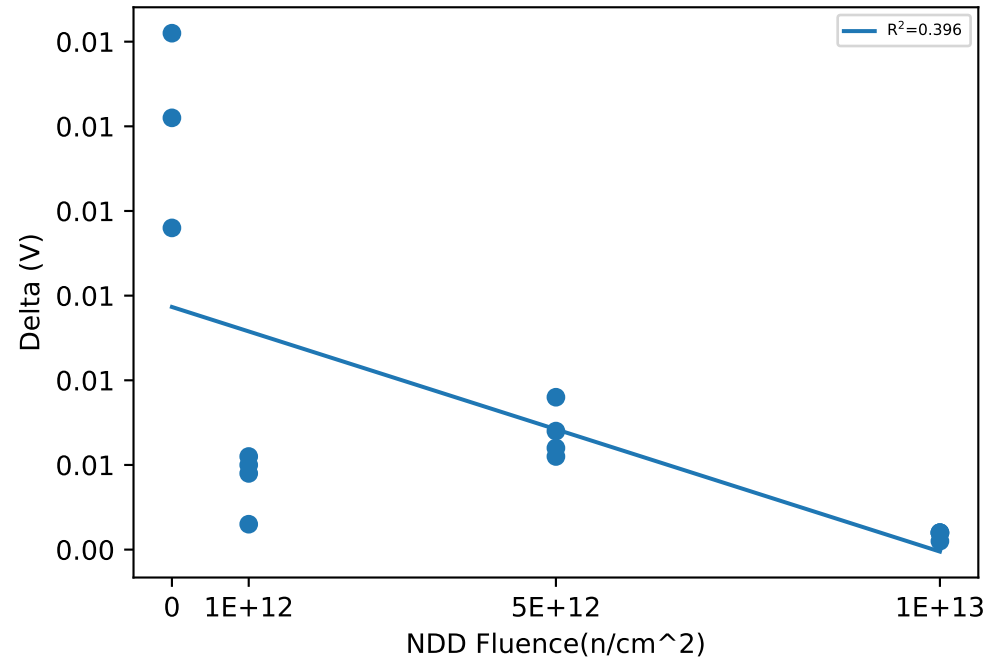
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7517	0.756	0.0043
315	1e+12	NDD Unbiased	0.7455	0.7504	0.0049
316	1e+12	NDD Unbiased	0.7465	0.7515	0.005
317	1e+12	NDD Unbiased	0.7473	0.7524	0.0051
318	5e+12	NDD Unbiased	0.767	0.7728	0.0058
319	5e+12	NDD Unbiased	0.7478	0.7532	0.0054
320	5e+12	NDD Unbiased	0.771	0.7762	0.0052
321	5e+12	NDD Unbiased	0.7613	0.7664	0.0051
322	1e+13	NDD Unbiased	0.7559	0.7601	0.0042
323	1e+13	NDD Unbiased	0.7466	0.7507	0.0041
324	1e+13	NDD Unbiased	0.7581	0.7623	0.0042
325	1e+13	NDD Unbiased	0.7529	0.7571	0.0042
326	0	Correlation	0.7629	0.7707	0.0078
327	0	Correlation	0.7475	0.7566	0.0091
328	0	Correlation	0.7405	0.7506	0.0101

NDD vs Post - Pre Exposure Delta

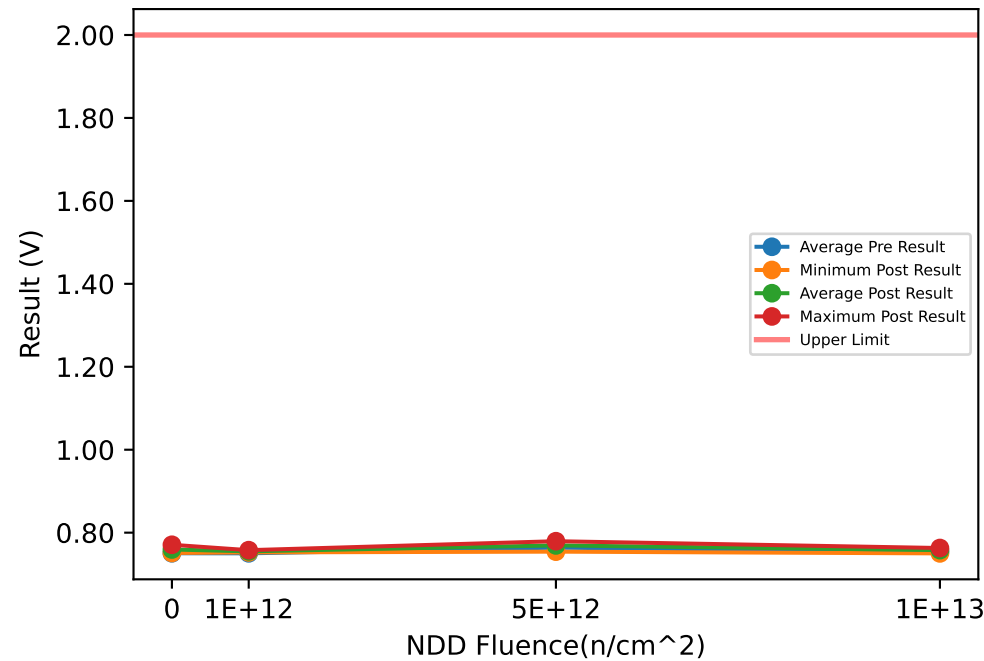


Test Statistics (V)

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	0.7405	0.7503	0.7629	0.011459	0.7506	0.7593	0.7707	0.010318	0.0078	0.009	0.0101	0.0011533
1e+12	0.7455	0.74775	0.7517	0.0027343	0.7504	0.75257	0.756	0.0024254	0.0043	0.004825	0.0051	0.0003594
5e+12	0.7478	0.76177	0.771	0.010131	0.7532	0.76715	0.7762	0.010149	0.0051	0.005375	0.0058	0.00030957
1e+13	0.7466	0.75338	0.7581	0.0049942	0.7507	0.75755	0.7623	0.0050395	0.0041	0.004175	0.0042	5e-05

Device Test: 6.95; VOL_RESET_10MA_OD

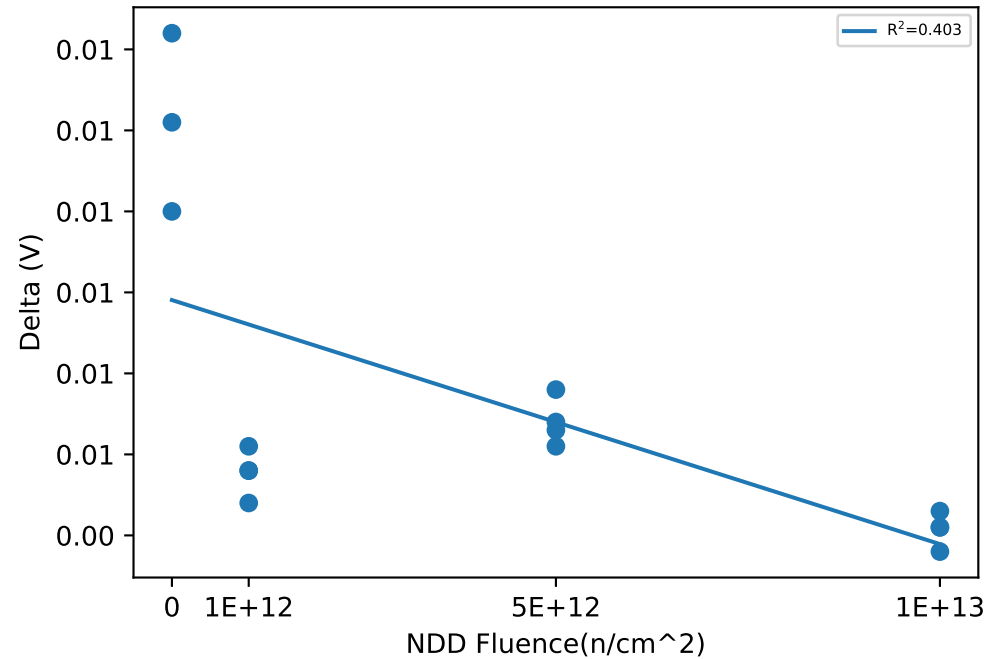
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7534	0.7578	0.0044
315	1e+12	NDD Unbiased	0.7496	0.7544	0.0048
316	1e+12	NDD Unbiased	0.7501	0.7552	0.0051
317	1e+12	NDD Unbiased	0.7476	0.7524	0.0048
318	5e+12	NDD Unbiased	0.769	0.7748	0.0058
319	5e+12	NDD Unbiased	0.7488	0.7542	0.0054
320	5e+12	NDD Unbiased	0.7741	0.7794	0.0053
321	5e+12	NDD Unbiased	0.7635	0.7686	0.0051
322	1e+13	NDD Unbiased	0.7566	0.7609	0.0043
323	1e+13	NDD Unbiased	0.7462	0.75	0.0038
324	1e+13	NDD Unbiased	0.7589	0.763	0.0041
325	1e+13	NDD Unbiased	0.7535	0.7576	0.0041
326	0	Correlation	0.7628	0.7708	0.008
327	0	Correlation	0.7473	0.7564	0.0091
328	0	Correlation	0.7408	0.751	0.0102

NDD vs Post - Pre Exposure Delta

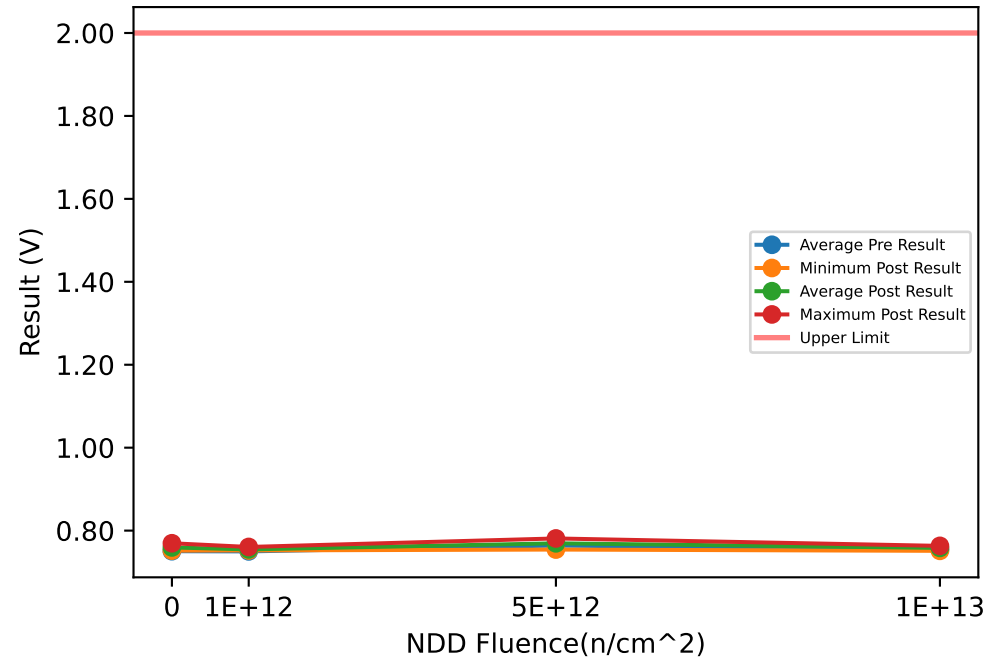


Test Statistics (V)

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	0.7408	0.7503	0.7628	0.011303	0.751	0.7594	0.7708	0.010235	0.008	0.0091	0.0102	0.0011
1e+12	0.7476	0.75018	0.7534	0.0024061	0.7524	0.75495	0.7578	0.0022353	0.0044	0.004775	0.0051	0.00028723
5e+12	0.7488	0.76385	0.7741	0.010927	0.7542	0.76925	0.7794	0.010966	0.0051	0.0054	0.0058	0.00029439
1e+13	0.7462	0.7538	0.7589	0.0055287	0.75	0.75788	0.763	0.0057011	0.0038	0.004075	0.0043	0.00020616

Device Test: 6.96; VOL_RESET_10MA_OD

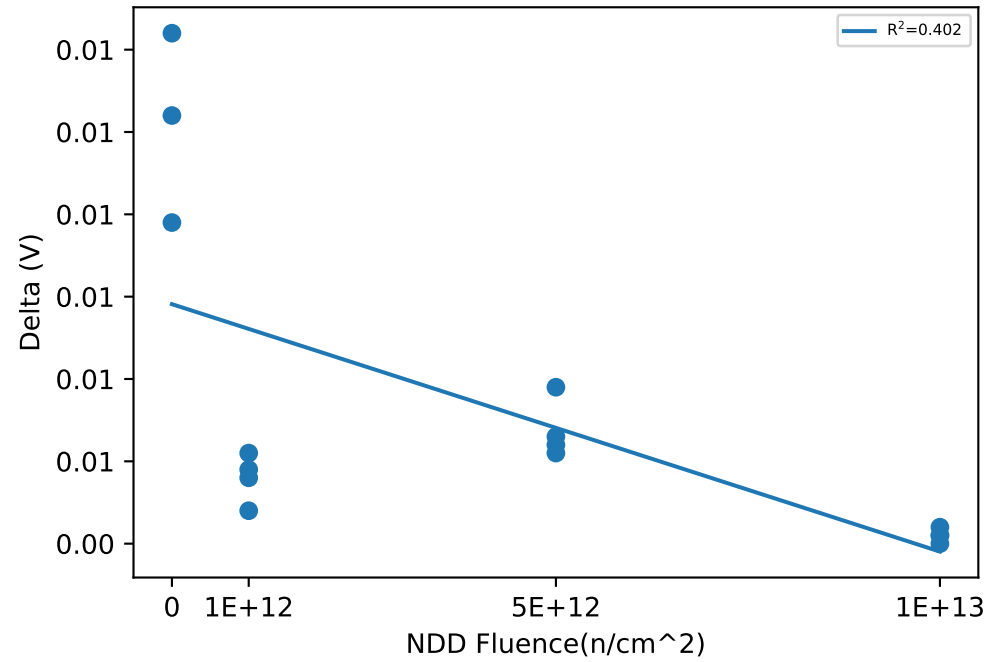
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7562	0.7606	0.0044
315	1e+12	NDD Unbiased	0.7474	0.7523	0.0049
316	1e+12	NDD Unbiased	0.7471	0.7522	0.0051
317	1e+12	NDD Unbiased	0.7488	0.7536	0.0048
318	5e+12	NDD Unbiased	0.7683	0.7742	0.0059
319	5e+12	NDD Unbiased	0.749	0.7543	0.0053
320	5e+12	NDD Unbiased	0.7759	0.7811	0.0052
321	5e+12	NDD Unbiased	0.7627	0.7678	0.0051
322	1e+13	NDD Unbiased	0.7567	0.7608	0.0041
323	1e+13	NDD Unbiased	0.7471	0.7512	0.0041
324	1e+13	NDD Unbiased	0.759	0.7632	0.0042
325	1e+13	NDD Unbiased	0.7541	0.7581	0.004
326	0	Correlation	0.7616	0.7695	0.0079
327	0	Correlation	0.7479	0.7571	0.0092
328	0	Correlation	0.7415	0.7517	0.0102

NDD vs Post - Pre Exposure Delta

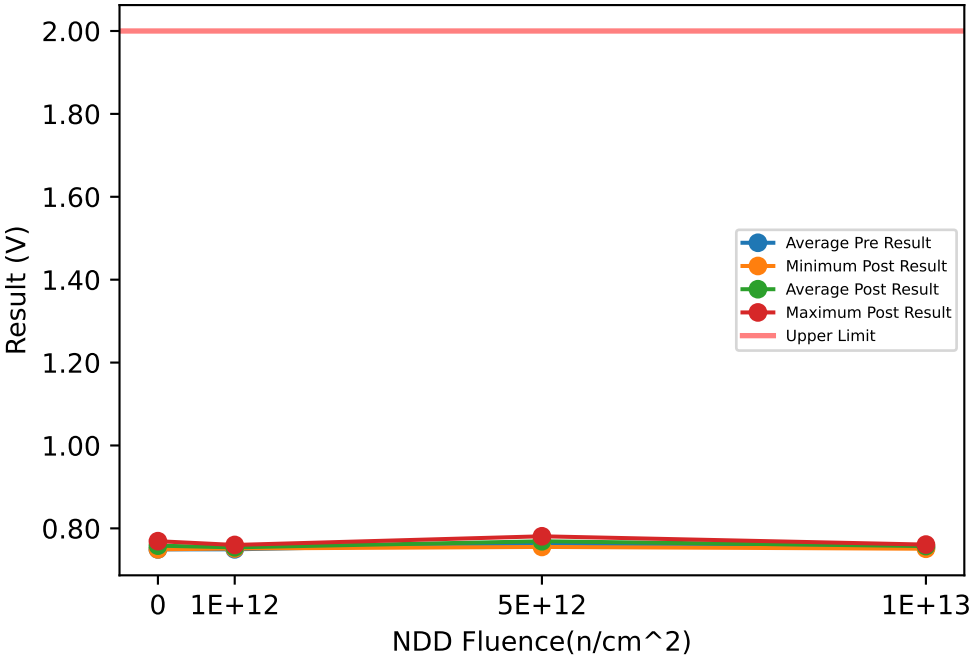


Test Statistics (V)

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	0.7415	0.75033	0.7616	0.010269	0.7517	0.75943	0.7695	0.0091265	0.0079	0.0091	0.0102	0.0011533
1e+12	0.7471	0.74987	0.7562	0.0042813	0.7522	0.75467	0.7606	0.0040011	0.0044	0.0048	0.0051	0.00029439
5e+12	0.749	0.76398	0.7759	0.011355	0.7543	0.76935	0.7811	0.011409	0.0051	0.005375	0.0059	0.0003594
1e+13	0.7471	0.75423	0.759	0.0051545	0.7512	0.75833	0.7632	0.0051868	0.004	0.0041	0.0042	8.165e-05

Device Test: 6.97; VOL_RESET_10MA_OD

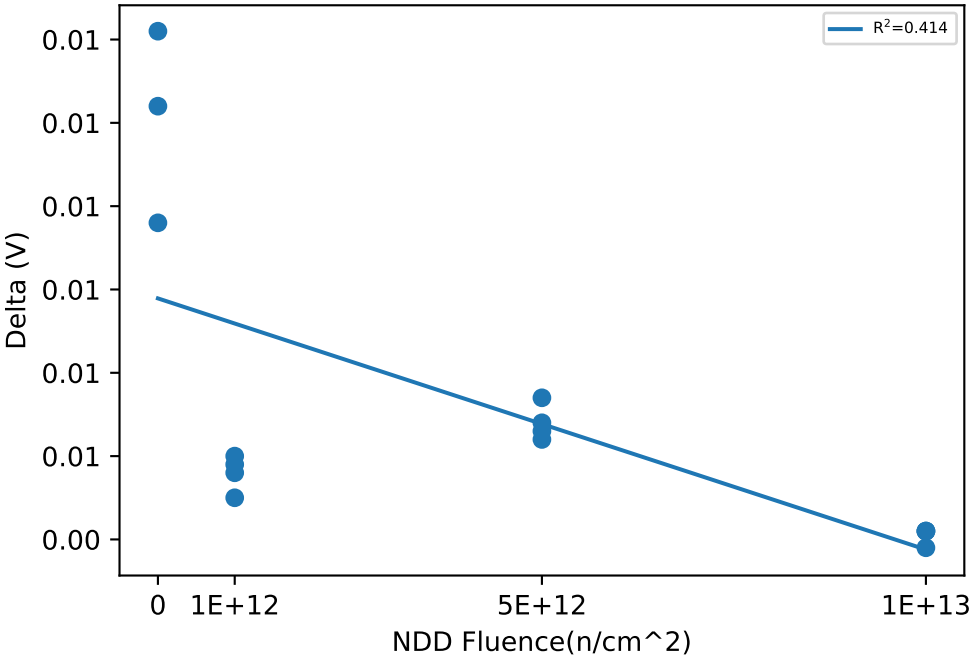
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7555	0.76	0.0045
315	1e+12	NDD Unbiased	0.7478	0.7527	0.0049
316	1e+12	NDD Unbiased	0.7478	0.7528	0.005
317	1e+12	NDD Unbiased	0.7466	0.7514	0.0048
318	5e+12	NDD Unbiased	0.7676	0.7733	0.0057
319	5e+12	NDD Unbiased	0.7498	0.7552	0.0054
320	5e+12	NDD Unbiased	0.7756	0.7809	0.0053
321	5e+12	NDD Unbiased	0.761	0.7662	0.0052
322	1e+13	NDD Unbiased	0.7552	0.7593	0.0041
323	1e+13	NDD Unbiased	0.7469	0.7508	0.0039
324	1e+13	NDD Unbiased	0.7568	0.7609	0.0041
325	1e+13	NDD Unbiased	0.754	0.7581	0.0041
326	0	Correlation	0.7613	0.7691	0.0078
327	0	Correlation	0.7472	0.7564	0.0092
328	0	Correlation	0.7393	0.7494	0.0101

NDD vs Post - Pre Exposure Delta

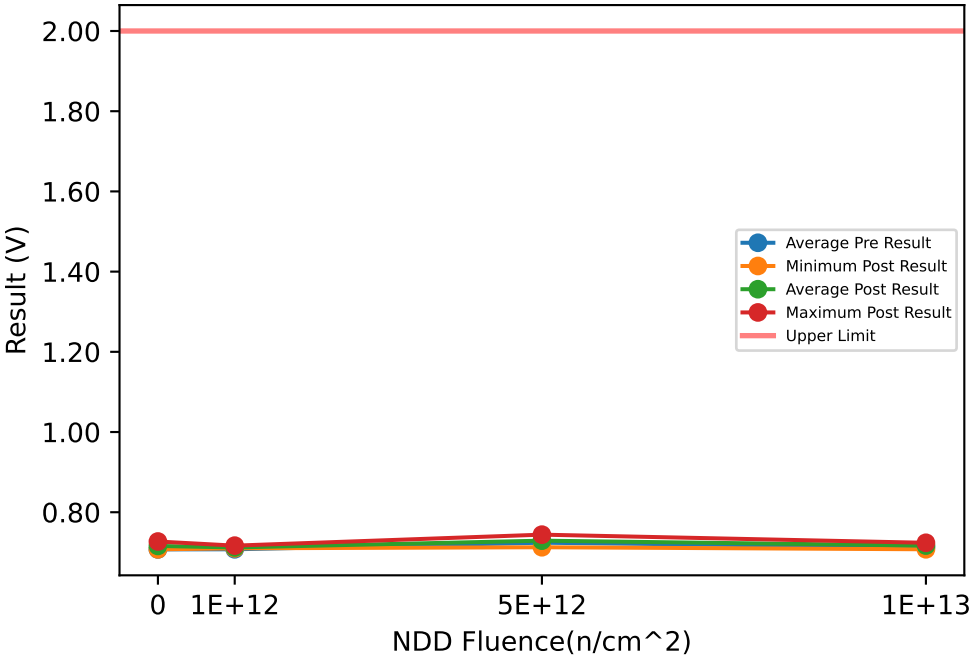


Test Statistics (V)

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	0.7393	0.74927	0.7613	0.011145	0.7494	0.7583	0.7691	0.0099865	0.0078	0.0090333	0.0101	0.001159
1e+12	0.7466	0.74943	0.7555	0.0040893	0.7514	0.75423	0.76	0.0039025	0.0045	0.0048	0.005	0.00021602
5e+12	0.7498	0.7635	0.7756	0.010911	0.7552	0.7689	0.7809	0.010929	0.0052	0.0054	0.0057	0.00021602
1e+13	0.7469	0.75323	0.7568	0.0043699	0.7508	0.75728	0.7609	0.0044664	0.0039	0.00405	0.0041	0.0001

Device Test: 6.98; VOL_WDO_10MA_OD

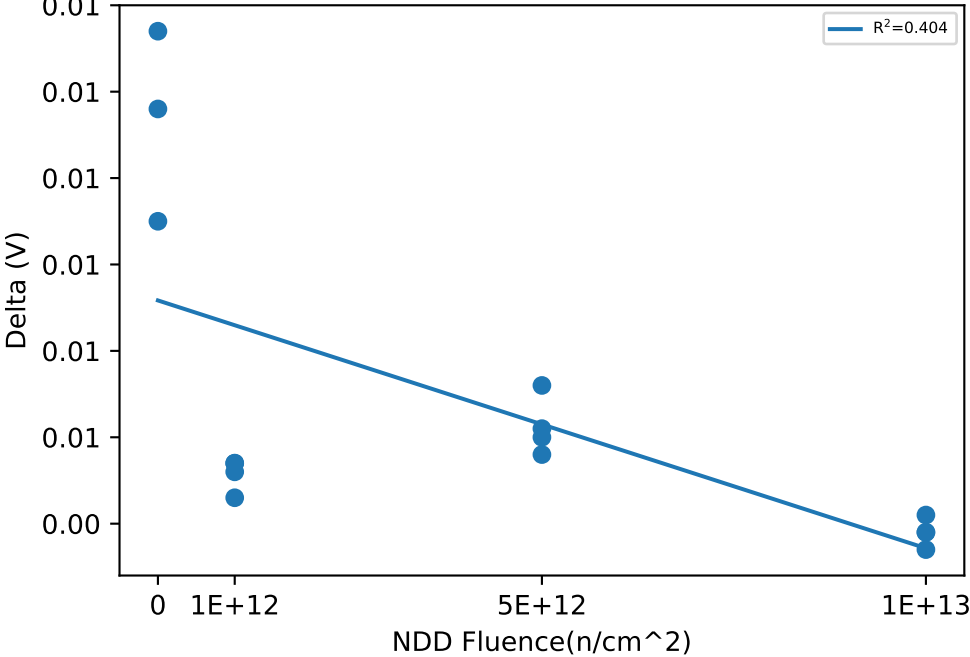
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.7124	0.7167	0.0043
315	1e+12	NDD Unbiased	0.7055	0.7101	0.0046
316	1e+12	NDD Unbiased	0.7053	0.71	0.0047
317	1e+12	NDD Unbiased	0.7071	0.7118	0.0047
318	5e+12	NDD Unbiased	0.7302	0.7358	0.0056
319	5e+12	NDD Unbiased	0.7076	0.7127	0.0051
320	5e+12	NDD Unbiased	0.7391	0.7441	0.005
321	5e+12	NDD Unbiased	0.7191	0.7239	0.0048
322	1e+13	NDD Unbiased	0.7197	0.7238	0.0041
323	1e+13	NDD Unbiased	0.7039	0.7076	0.0037
324	1e+13	NDD Unbiased	0.7137	0.7176	0.0039
325	1e+13	NDD Unbiased	0.7147	0.7186	0.0039
326	0	Correlation	0.7195	0.727	0.0075
327	0	Correlation	0.7047	0.7135	0.0088
328	0	Correlation	0.6978	0.7075	0.0097

NDD vs Post - Pre Exposure Delta

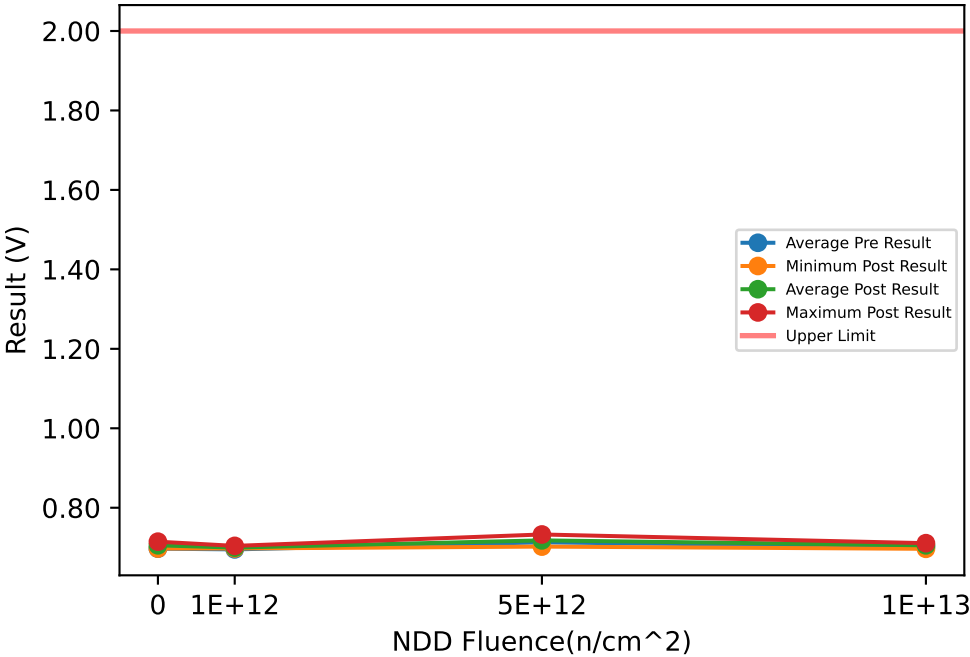


Test Statistics (V)

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	0.6978	0.70733	0.7195	0.011087	0.7075	0.716	0.727	0.0099875	0.0075	0.0086667	0.0097	0.001106
1e+12	0.7053	0.70758	0.7124	0.003316	0.71	0.71215	0.7167	0.0031438	0.0043	0.004575	0.0047	0.0001893
5e+12	0.7076	0.724	0.7391	0.013656	0.7127	0.72913	0.7441	0.013734	0.0048	0.005125	0.0056	0.00034034
1e+13	0.7039	0.713	0.7197	0.0066101	0.7076	0.7169	0.7238	0.0067695	0.0037	0.0039	0.0041	0.0001633

Device Test: 6.99; VOL_PWRGD_10MA_OD

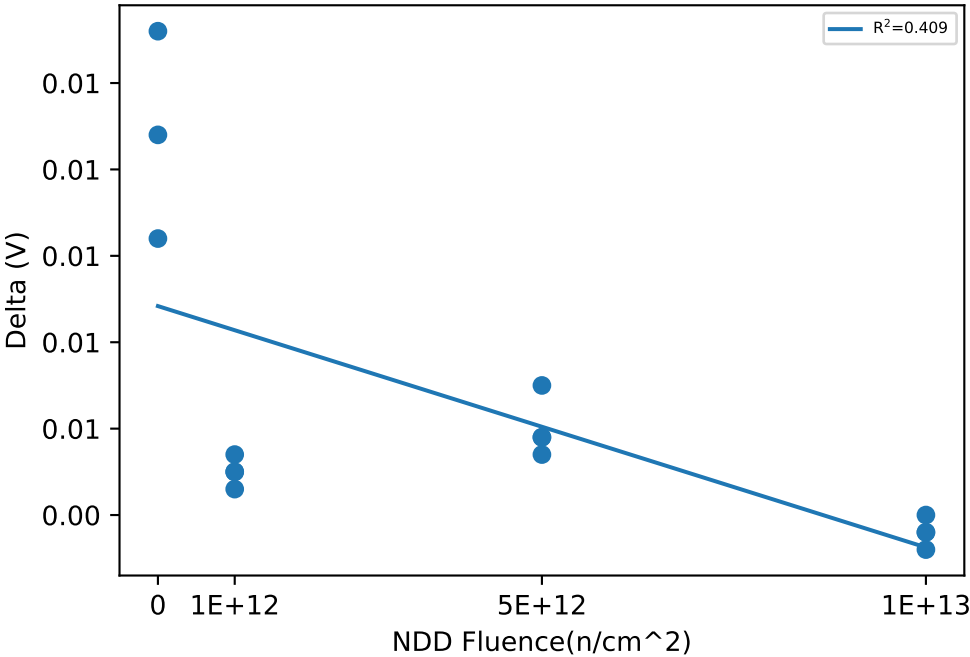
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
314	1e+12	NDD Unbiased	0.6997	0.704	0.0043
315	1e+12	NDD Unbiased	0.693	0.6975	0.0045
316	1e+12	NDD Unbiased	0.693	0.6977	0.0047
317	1e+12	NDD Unbiased	0.6949	0.6994	0.0045
318	5e+12	NDD Unbiased	0.7188	0.7243	0.0055
319	5e+12	NDD Unbiased	0.6973	0.7022	0.0049
320	5e+12	NDD Unbiased	0.7278	0.7327	0.0049
321	5e+12	NDD Unbiased	0.7076	0.7123	0.0047
322	1e+13	NDD Unbiased	0.7068	0.7108	0.004
323	1e+13	NDD Unbiased	0.693	0.6966	0.0036
324	1e+13	NDD Unbiased	0.7037	0.7075	0.0038
325	1e+13	NDD Unbiased	0.7028	0.7066	0.0038
326	0	Correlation	0.7074	0.7146	0.0072
327	0	Correlation	0.696	0.7044	0.0084
328	0	Correlation	0.6877	0.6973	0.0096

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	0.6877	0.69703	0.7074	0.0098906	0.6973	0.70543	0.7146	0.0086962	0.0072	0.0084	0.0096	0.0012
1e+12	0.693	0.69515	0.6997	0.0031628	0.6975	0.69965	0.704	0.0030227	0.0043	0.0045	0.0047	0.0001633
5e+12	0.6973	0.71288	0.7278	0.01327	0.7022	0.71788	0.7327	0.01339	0.0047	0.005	0.0055	0.00034641
1e+13	0.693	0.70157	0.7068	0.0059679	0.6966	0.70537	0.7108	0.0061223	0.0036	0.0038	0.004	0.0001633

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