

TPS7H5031-SEP and TPS7H5031-SP QMLP Neutron Displacement Damage (NDD) Characterization



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H5321-SEP and TPS7H5031-SP QMLP device. The results show that all devices were fully functional and within production test limits after having been irradiated up to $1 \times 10^{13} \text{n/cm}^2$ (1MeV(Si) equivalent). A sample size of 12 units were exposed per MIL-STD-883, Method 1017 for neutron irradiation, and an additional four devices were used as control units and were not irradiated. Electrical testing was performed at Texas Instruments before and after neutron irradiation using the production test program for TPS7H5031-SEP and TPS7H5031-SP QMLP.

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1 Device Information

1.1 Product Description

The TPS7H5031-SEP and TPS7H5031-SP QMLP is a radiation-hardness-assured, current mode, single-ended PWM controller with an integrated gate driver that can be utilized in both silicon and gallium nitride (GaN) power semiconductor based converter designs. The TPS7H5031 integrates several key functions, such as soft-start, enable, and adjustable slope compensation while maintaining a small package size. The controller also features a $0.6V \pm 1\%$ voltage reference tolerance to support highly accurate power converter designs. The TPS7H5031-SEP is packaged in a plastic 24-pin HTSSOP PWP package.

1.2 Device Details

[Device and Exposure Details](#) lists the device information and test conditions used in the NDD characterization.

Table 1-1. Device and Exposure Details

TI Device	TPS7H5031-SEP TPS7H5031-SP QMLP
TI Part Number	TPS7H5031MPWPTSEP 5962R2420104PYE
VID Number	V62/25651
SMD Number	5962-24201
Device Function	PWM controller with an integrated gate driver
Technology	Linear BiCMOS 7 (LBC7)
Assembly Lot Number / Lot Trace Code	5642818 / 59C1K7K
Unbiased Quantity Tested	12
Exposure Facility	VPT Rad
Neutron Fluence (1-MeV equivalent)	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Room temperature
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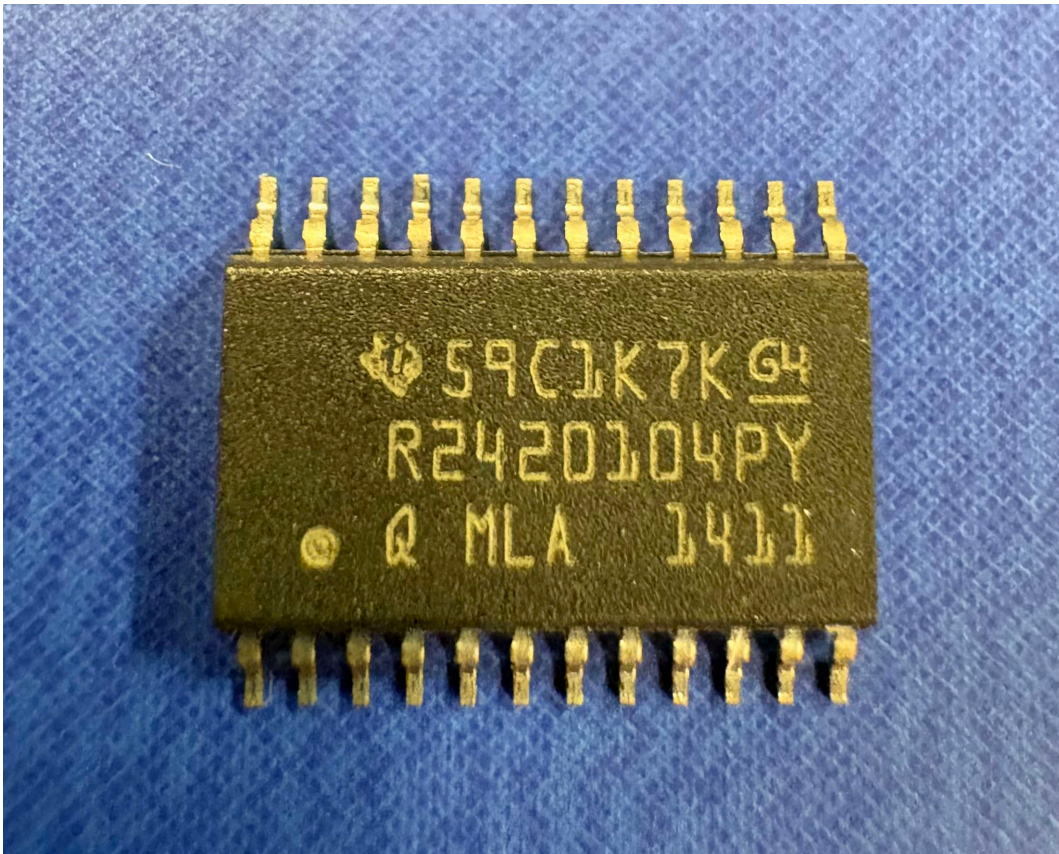


Figure 1-1. Device Used in Exposure (Front)

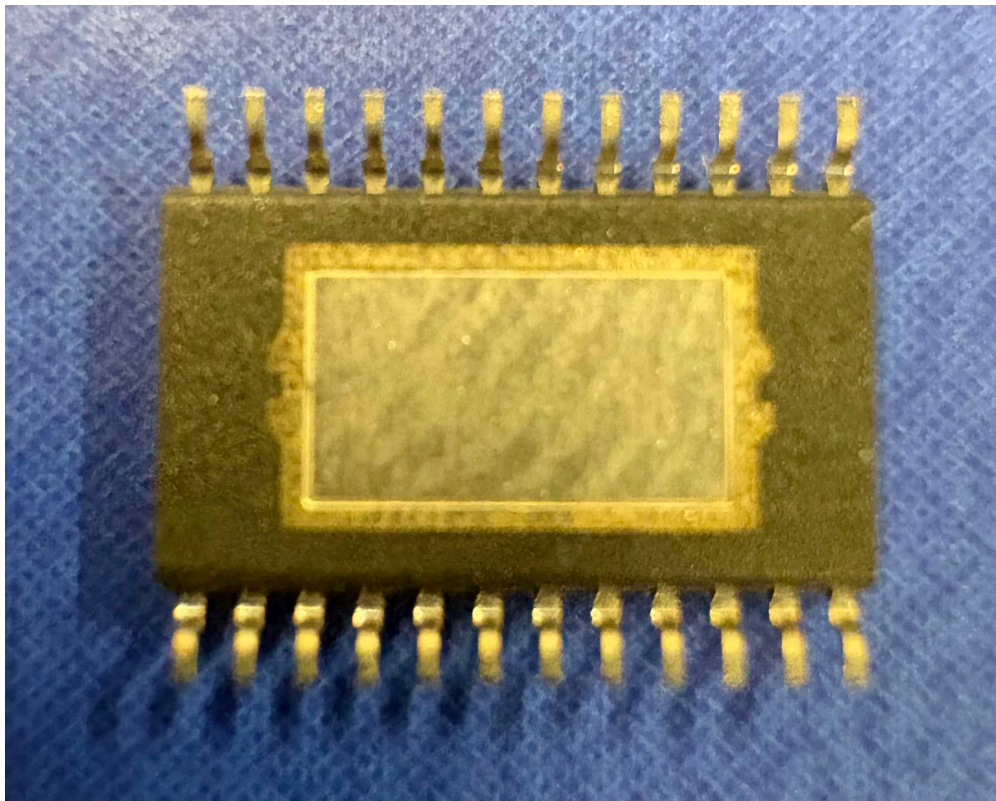


Figure 1-2. Device Used in Exposure (Back)

2 Neutron Displacement Test Setup

2.1 Test Overview

General test procedures adhere to MIL-STD-883, Method 1017 as a guide for neutron irradiation. The TPS7H5031-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 Facility

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 1×10^{12} n/cm² (1MeV Si equivalent) exposure. The FNI can accommodate a sample or samples with size up to 30cm in diameter and 15cm thick, including packaging materials. The minimum neutron fluence rate is 1×10^{12} n/cm²-s. The maximum neutron fluence rate is approximately 1×10^{12} n/cm²-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: 1×10^{12} n/cm², 5×10^{12} n/cm² and 1×10^{13} n/cm².

Table 2-1. Neutron Irradiation Conditions

Group	Sample Quantity	Neutron Fluence (n/cm ²)	Bias
A	4	1×10^{12}	Unbiased
B	4	5×10^{12}	Unbiased
C	4	1×10^{13}	Unbiased
Control Unit	4	N/A	N/A

3 Test Results

3.1 NDD Characterization Summary

The TPS7H5031-SEP and TPS7H5031-SP have a strong degree of hardness to neutron irradiation up to fluence level 1×10^{13} n/cm². The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each fluence level. The parameters that showed a greater degree of change between pre- and post- irradiation were still within the electrical performance characteristics specified in the [Section 3.2](#).

The results show that all devices were fully functional and within specification limits. A sample size of nine units was exposed for neutron irradiation and an additional unirradiated control unit was used as correlation.

Electrical testing is done for pre- and post- neutron irradiation by ATE electrical test is done at an ambient room temperature of 25°C. Parameters not listed in [Section 3.2](#) are omitted either because there is no parametric data or because verification was done through bench testing.

See [Appendix A](#) for NDD test results.

3.2 Data Sheet Electrical Parameters and Associated Tests

Table 3-1. TPS7H5031-QMLP Data Sheet Electrical Parameters

PARAMETER	TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #	
SUPPLY VOLTAGES AND CURRENTS								
IDD	Operating supply current	No load for OUT, P _{VIN} = V _{IN}	f _{SW} = 100kHz	6.8	11	mA	14.3, 14.4, 14.16	
			f _{SW} = 500kHz	8.5	17		14.5, 14.7, 14.18	
		C _{LOAD} = 1000pF for OUT, P _{VIN} = V _{IN}	f _{SW} = 100kHz	8.5	12	mA	14.2	
			f _{SW} = 500kHz	14.5	22		14.21	
IDD(dis)	Standby current	EN = 0V			8	mA	14.6, 14.8, 14.19	
VLDO	Internal linear regulator output voltage	C _{VLDO} = 1μF	8V ≤ V _{IN} ≤ 14V	4.8	5	5.2	V	15.15, 15.16, 15.17
VLDO_DO	Internal linear dropout voltage	I _{VLDO} = 25mA, C _{VLDO} = 1μF				0.5	V	15.19, 15.20, 15.21
ENABLE AND UNDERVOLTAGE LOCKOUT								
VENR	Enable rising threshold			0.57	0.63	0.66	V	16.7, 16.10, 16.17
VENF	Enable falling threshold			0.48	0.52	0.55	V	16.8, 16.11, 16.18
IEN	Enable input leakage current	V _{IN} = 14V	EN = 1V		1	100	nA	16.13, 16.15
			EN = 7V		30	700		16.14, 16.16
PVINUVLOR	P _{VIN} UVLO rising			7.2	7.5	7.8	V	17.13, 17.19
PVINUVLOF	P _{VIN} UVLO falling			6.9	7.2	7.5	V	17.14, 17.20
VINUVLOR	V _{IN} UVLO rising			7.2	7.5	7.8	V	17.16, 17.22
VINUVLOF	V _{IN} UVLO falling			6.9	7.2	7.5	V	17.17, 17.23
VLDOUVLOR	VLDO UVLO rising			3.65	3.77	3.95	V	17.7, 17.10
VLDOUVLOF	VLDO UVLO falling			3.45	3.59	3.75	V	17.8, 17.11
SOFT START								
ISS	Soft-start current	SS = 0.3V		2	2.8	3.4	μA	18.9, 18.13, 18.17, 18.21, 18.25, 18.29
ERROR AMPLIFIER								
EAgm	Error amplifier transconductance	−10μA < I _{COMP} < 10μA, V _(COMP) = 1V		1100	1750	2700	μA/V	19.9, 19.13, 19.39
EASRC	Error amplifier source current	V _(COMP) = 1V, 100mV input overdrive		95		210	μA	19.10, 19.14, 19.40
EASNK	Error amplifier sink current	V _(COMP) = 1V, 100mV input overdrive		95		210	μA	19.11, 19.15, 19.41
EAOS	Error amplifier input offset voltage			−5		6	mV	19.21, 19.24, 19.27, 19.30, 19.46, 19.49

Table 3-1. TPS7H5031-QMLP Data Sheet Electrical Parameters (continued)

PARAMETER		TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #
EAIB	Error amplifier input bias current					25	nA	19.12, 19.16, 19.17, 19.18, 19.42, 19.43
OSCILLATOR								
DTINT	External clock to internal clock detection time	RT populated			2	5	(1/fsw) s	20.84, 20.86, 20.88, 20.90, 20.92, 20.94, 20.120, 20.122, 20.124
DTEXT	Internal clock to external clock detection time	RT populated			2	5	(1/fsw) s	20.72, 20.74, 20.76, 20.78, 20.80, 20.82, 20.114, 20.116, 20.118
fsw	RT programmed switching frequency	RT = 1.18M Ω		80	95	110	kHz	20.27, 20.31, 20.47, 20.49, 20.97, 20.107
		RT = 560k Ω		175	195	220	kHz	20.35, 20.37, 20.51, 20.53, 20.101, 20.109
		RT = 210k Ω		450	500	550	kHz	20.39, 20.43, 20.55, 20.57, 20.103, 20.111
VOLTAGE REFERENCE								
VREF	Internal voltage reference	Measured at COMP, COMP = VSENSE	TA = 25°C	0.597	0.6	0.603	V	19.19, 19.22, 19.25, 19.28, 19.31, 19.33, 19.35, 19.37, 19.44, 19.47, 19.50, 19.52
REFCAP	REFCAP voltage	CREFCAP = 470nF		1.208	1.223	1.235	V	21.5, 21.7, 21.9, 21.11, 21.13, 21.15, 21.17, 21.19, 21.23, 21.25, 21.27, 21.29
CURRENT SENSE								
CCSR	COMP to CS_ILIM ratio	RSC = open		1.94	2	2.06		28.3, 28.4, 28.15
VCS_ILIM	Current limit (overcurrent) threshold			0.96	1	1.04	V	28.7, 28.8, 28.9, 28.10, 28.17, 28.18
	CS_ILIM to OUT delay	CS_ILIM = 1V to 90% of OUT falling			65	115	ns	28.11, 28.12, 28.13, 28.14, 28.19, 28.20
GATE DRIVER								
VOL	Low-level voltage	IOL = 50mA			0.08	0.15	V	24.5, 24.7, 24.15
PVIN - VOH	High-level voltage	IOH = 50mA			0.13	0.25	V	24.6, 24.8, 24.16
tR_OUT	OUT rise time	CLOAD = 1000pF, 10% to 90%	VIN = PVIN = 8V		9.5	18	ns	24.17

Table 3-1. TPS7H5031-QMLP Data Sheet Electrical Parameters (continued)

PARAMETER	TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #
tR_OUT	OUT rise time	CLOAD = 1000pF, 10% to 90%	VIN = PVIN = 12V	9.5	18	ns	24.9
			VIN = PVIN = 14V	11.5	20		24.11
tF_OUT	OUT fall time	CLOAD = 1000pF, 90% to 10%	VIN = PVIN = 8V	9.5	18	ns	24.18
tF_OUT	OUT fall time	CLOAD = 1000pF, 90% to 10%	VIN = PVIN = 12V	9.5	18	ns	24.1
			VIN = PVIN = 14V	11	18		24.12
ROH	Pull-up resistance	100mA from OUT		2.6	4.7	Ω	23.19, 23.21, 23.23
ROL	Pull-down resistance	100mA into OUT		1.6	2.8	Ω	23.20, 23.22, 23.24
VUCLAMP	Unpowered OUT clamp voltage	Switching disabled, 1mA pull-up applied to OUT	PVIN = 0V	0.7	1	V	24.13
			0V < PVIN < 5V	1.8	2.5		24.14
PWM AND DUTY CYCLE							
ton_min	Minimum on-time			135	165	ns	26.3, 26.4, 26.7
toff_min	Minimum off-time pulse extender			55	70	ns	26.5, 26.8
DMAX	Maximum duty cycle		42%	46%	50%		27.19, 27.20, 27.21, 27.22, 27.23, 27.24, 27.25, 27.26, 27.27, 27.28, 27.29, 27.30, 27.45, 27.46, 27.47, 27.48, 27.49, 27.50

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H502x-SP/SEP and TPS7H503x-SP/SEP Radiation-Hardened Current Mode PWM Controllers With Integrated Gate Driver](#), datasheet.
- Texas Instruments, [TPS7H5030-SP Evaluation Module](#), EVM user's guide.

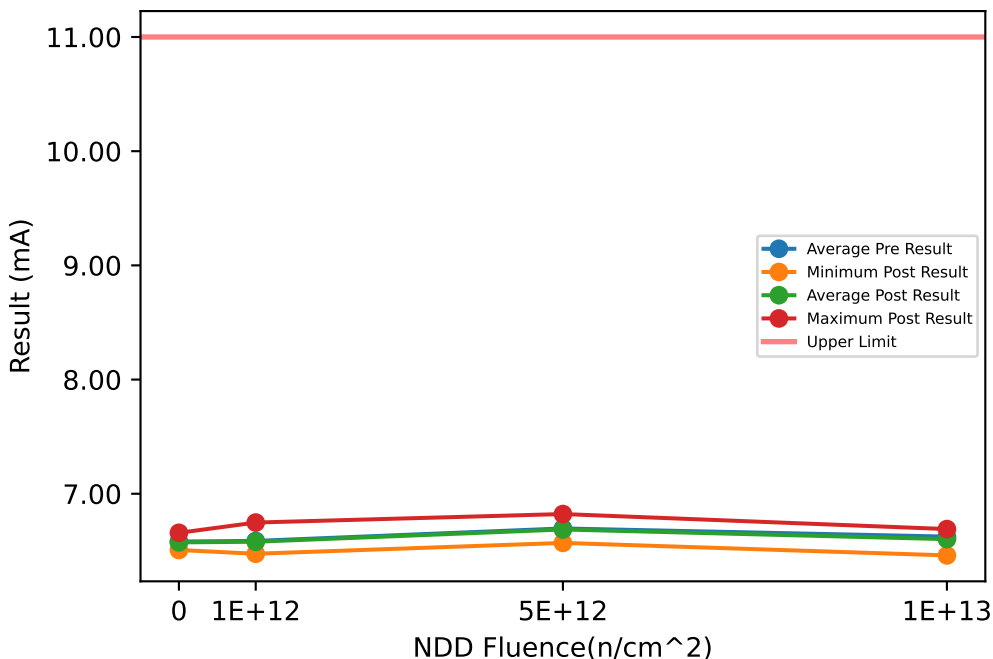
4.2 Reference Documents

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

A Appendix: NDD Report Data

This appendix contains the detailed NDD test results.

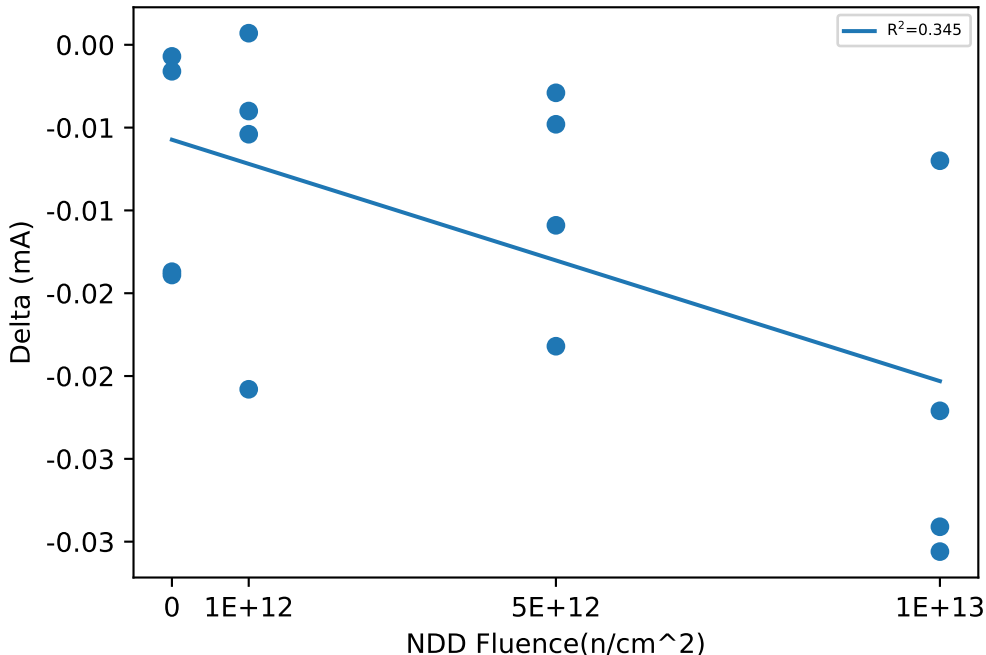
NDD vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	6.4801	6.4747	-0.0054
489	1e+12	NDD	6.6099	6.5891	-0.0208
583	1e+12	NDD	6.7518	6.7478	-0.004
594	1e+12	NDD	6.5063	6.507	0.0007
624	5e+12	NDD	6.5878	6.5696	-0.0182
839	5e+12	NDD	6.8252	6.8223	-0.0029
919	5e+12	NDD	6.7687	6.7639	-0.0048
938	5e+12	NDD	6.6035	6.5926	-0.0109
988	1e+13	NDD	6.693	6.6639	-0.0291
1176	1e+13	NDD	6.6027	6.5957	-0.007
1197	1e+13	NDD	6.7128	6.6907	-0.0221
1246	0	CORRELATION	6.6716	6.6579	-0.0137
1277	1e+13	NDD	6.4908	6.4602	-0.0306
1357	0	CORRELATION	6.59	6.5761	-0.0139
1410	0	CORRELATION	6.5081	6.5074	-0.0007
1437	0	CORRELATION	6.5568	6.5552	-0.0016

NDD vs Post - Pre Exposure Delta

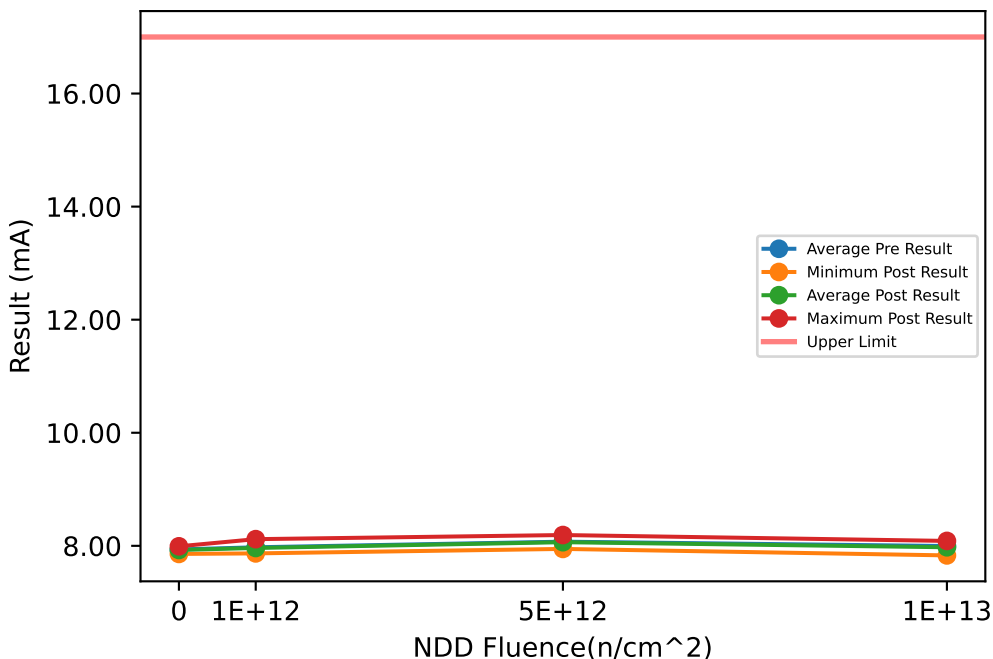


Test Statistics (mA)

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	6.5081	6.5816	6.6716	0.06877	6.5074	6.5741	6.6579	0.062803	-0.0139	-0.007475	-0.0007	0.0073132
1e+12	6.4801	6.587	6.7518	0.12332	6.4747	6.5796	6.7478	0.12201	-0.0208	-0.007375	0.0007	0.0093225
5e+12	6.5878	6.6963	6.8252	0.11866	6.5696	6.6871	6.8223	0.12505	-0.0182	-0.0092	-0.0029	0.0069027
1e+13	6.4908	6.6248	6.7128	0.10139	6.4602	6.6026	6.6907	0.10303	-0.0306	-0.0222	-0.007	0.010789

Device Test: 14.18 IDD|SUPPLY CURRENT/IN/8/8/0/0/5/500kHz//@IDD_ACT_500K_NOLOAD

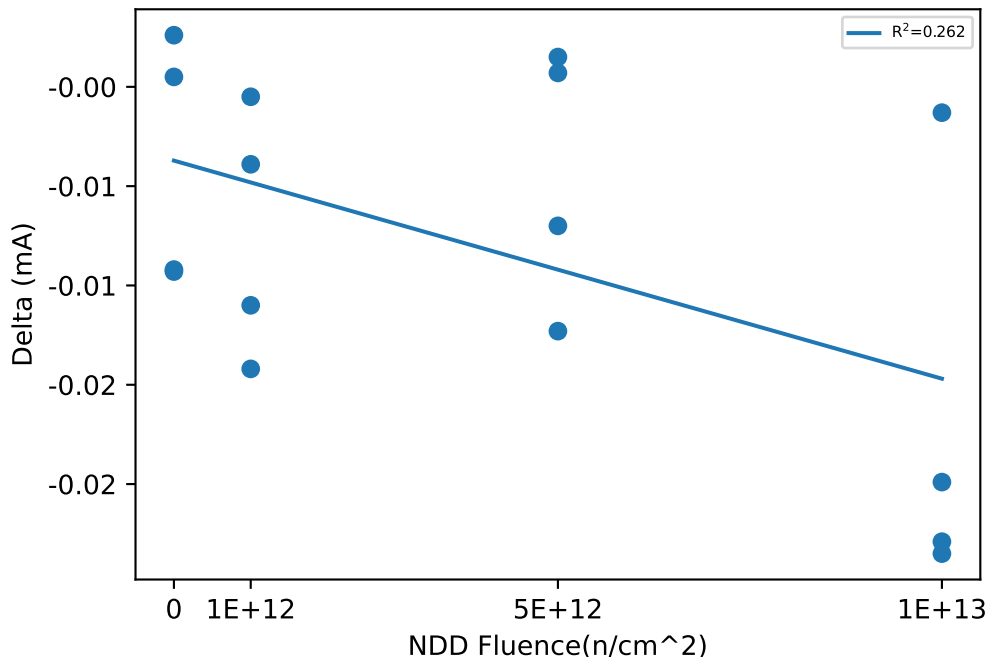
NDD vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.8864	7.8704	-0.016
489	1e+12	NDD	8.0123	7.9931	-0.0192
583	1e+12	NDD	8.1269	8.118	-0.0089
594	1e+12	NDD	7.8718	7.8663	-0.0055
624	5e+12	NDD	7.9627	7.9454	-0.0173
839	5e+12	NDD	8.1945	8.191	-0.0035
919	5e+12	NDD	8.1367	8.1324	-0.0043
938	5e+12	NDD	8.0004	7.9884	-0.012
988	1e+13	NDD	8.0595	8.0346	-0.0249
1176	1e+13	NDD	7.9522	7.9459	-0.0063
1197	1e+13	NDD	8.1148	8.0869	-0.0279
1246	0	CORRELATION	8.0057	7.9914	-0.0143
1277	1e+13	NDD	7.8593	7.8308	-0.0285
1357	0	CORRELATION	7.9512	7.937	-0.0142
1410	0	CORRELATION	7.8614	7.8569	-0.0045
1437	0	CORRELATION	7.9244	7.922	-0.0024

NDD vs Post - Pre Exposure Delta

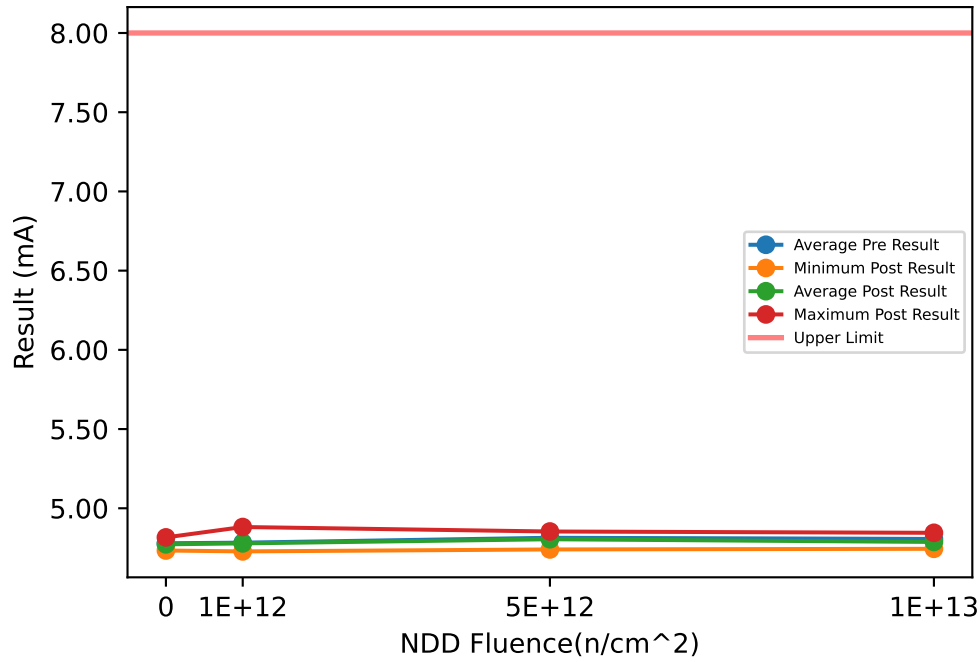


Test Statistics (mA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.8614	7.9357	8.0057	0.059968	7.8569	7.9268	7.9914	0.055336	-0.0143	-0.00885	-0.0024	0.0062942
1e+12	7.8718	7.9743	8.1269	0.11967	7.8663	7.9619	8.118	0.11952	-0.0192	-0.0124	-0.0055	0.0062997
5e+12	7.9627	8.0736	8.1945	0.10993	7.9454	8.0643	8.191	0.11632	-0.0173	-0.009275	-0.0035	0.006581
1e+13	7.8593	7.9965	8.1148	0.11365	7.8308	7.9745	8.0869	0.11212	-0.0285	-0.0219	-0.0063	0.010519

Device Test: 14.19 IDD_DIS|STANDBY CURRENT/IN/8/8/0/0/5/500kHz//@IDD_DIS

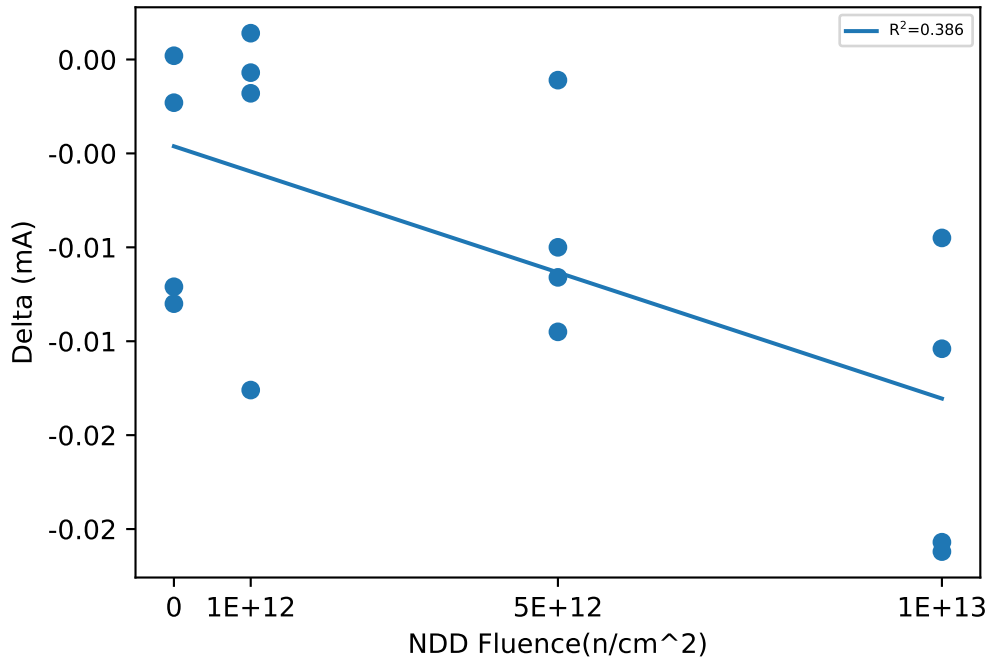
NDD vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	4.7285	4.7278	-0.0007
489	1e+12	NDD	4.7797	4.7621	-0.0176
583	1e+12	NDD	4.8835	4.8817	-0.0018
594	1e+12	NDD	4.7403	4.7417	0.0014
624	5e+12	NDD	4.7546	4.7401	-0.0145
839	5e+12	NDD	4.8426	4.8415	-0.0011
919	5e+12	NDD	4.8634	4.8534	-0.01
938	5e+12	NDD	4.7947	4.7831	-0.0116
988	1e+13	NDD	4.8131	4.7869	-0.0262
1176	1e+13	NDD	4.7829	4.7734	-0.0095
1197	1e+13	NDD	4.8605	4.8451	-0.0154
1246	0	CORRELATION	4.8292	4.8162	-0.013
1277	1e+13	NDD	4.7699	4.7442	-0.0257
1357	0	CORRELATION	4.7455	4.7334	-0.0121
1410	0	CORRELATION	4.7692	4.7694	0.0002
1437	0	CORRELATION	4.773	4.7707	-0.0023

NDD vs Post - Pre Exposure Delta

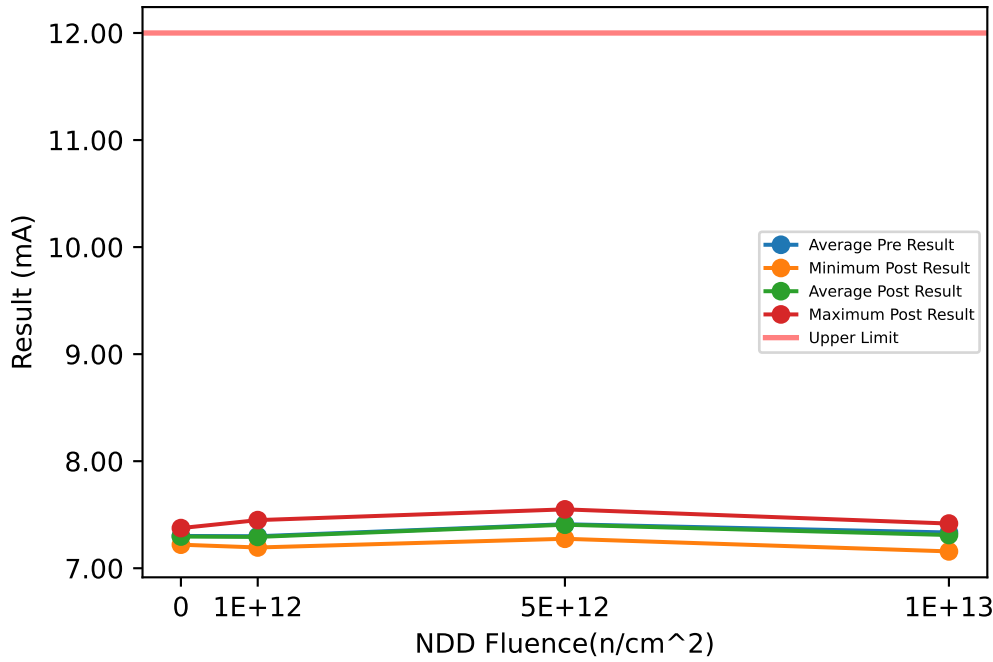


Test Statistics (mA)

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	4.7455	4.7792	4.8292	0.035469	4.7334	4.7724	4.8162	0.033918	-0.013	-0.0068	0.0002	0.0067276
1e+12	4.7285	4.783	4.8835	0.070486	4.7278	4.7783	4.8817	0.070342	-0.0176	-0.004675	0.0014	0.0087183
5e+12	4.7546	4.8138	4.8634	0.04885	4.7401	4.8045	4.8534	0.052806	-0.0145	-0.0093	-0.0011	0.0057752
1e+13	4.7699	4.8066	4.8605	0.040233	4.7442	4.7874	4.8451	0.042394	-0.0262	-0.0192	-0.0095	0.0081605

Device Test: 14.20 IDD|SUPPLY CURRENT/IN/8/8/0/1000/5/100kHz//@IDD_ACT_100K_LOAD

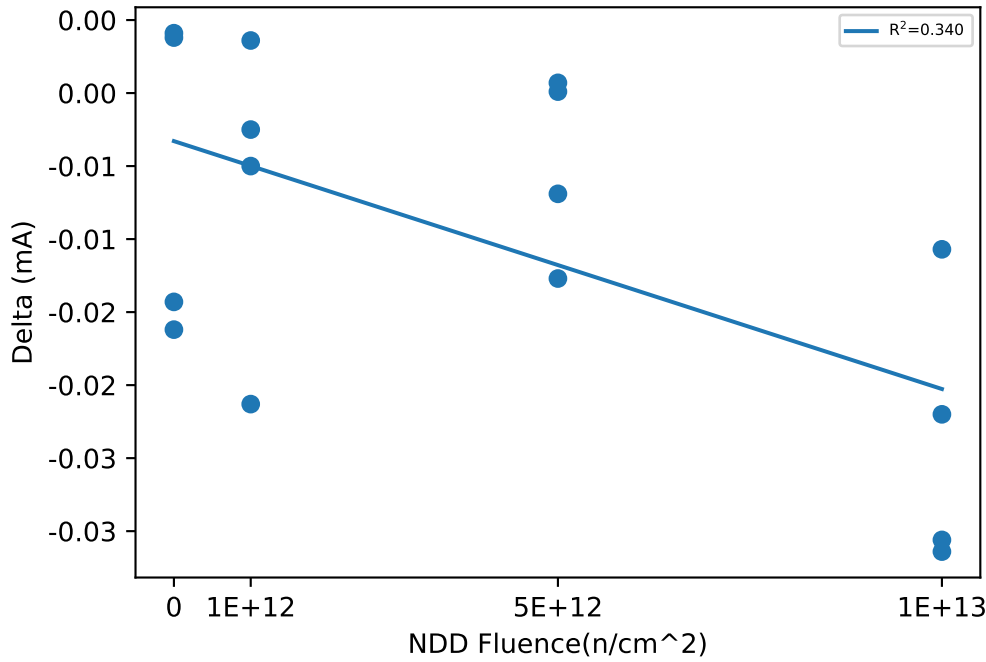
NDD vs Result Stats



Test Results (Upper Limit = 12.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.1963	7.1938	-0.0025
489	1e+12	NDD	7.3295	7.3082	-0.0213
583	1e+12	NDD	7.4545	7.4495	-0.005
594	1e+12	NDD	7.2149	7.2185	0.0036
624	5e+12	NDD	7.2879	7.2752	-0.0127
839	5e+12	NDD	7.5498	7.5499	0.0001
919	5e+12	NDD	7.4873	7.488	0.0007
938	5e+12	NDD	7.3194	7.3125	-0.0069
988	1e+13	NDD	7.3924	7.3618	-0.0306
1176	1e+13	NDD	7.3152	7.3045	-0.0107
1197	1e+13	NDD	7.4395	7.4175	-0.022
1246	0	CORRELATION	7.3912	7.375	-0.0162
1277	1e+13	NDD	7.1887	7.1573	-0.0314
1357	0	CORRELATION	7.3197	7.3054	-0.0143
1410	0	CORRELATION	7.2162	7.22	0.0038
1437	0	CORRELATION	7.2796	7.2837	0.0041

NDD vs Post - Pre Exposure Delta

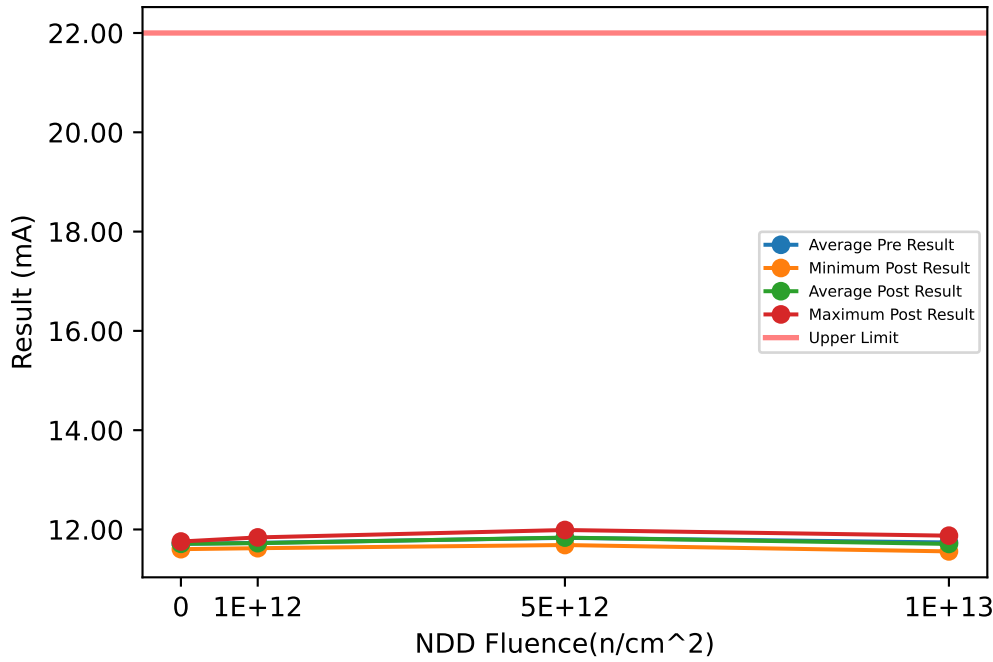


Test Statistics (mA)

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	7.2162	7.3017	7.3912	0.073332	7.22	7.296	7.375	0.063918	-0.0162	-0.00565	0.0041	0.011113
1e+12	7.1963	7.2988	7.4545	0.11935	7.1938	7.2925	7.4495	0.11563	-0.0213	-0.0063	0.0036	0.010632
5e+12	7.2879	7.4111	7.5498	0.12732	7.2752	7.4064	7.5499	0.13327	-0.0127	-0.0047	0.0007	0.0063519
1e+13	7.1887	7.3339	7.4395	0.10955	7.1573	7.3103	7.4175	0.11193	-0.0314	-0.023675	-0.0107	0.00964

Device Test: 14.21 IDD|SUPPLY CURRENT/IN/8/8/0/1000/5/500kHz//@IDD_ACT_500K_LOAD

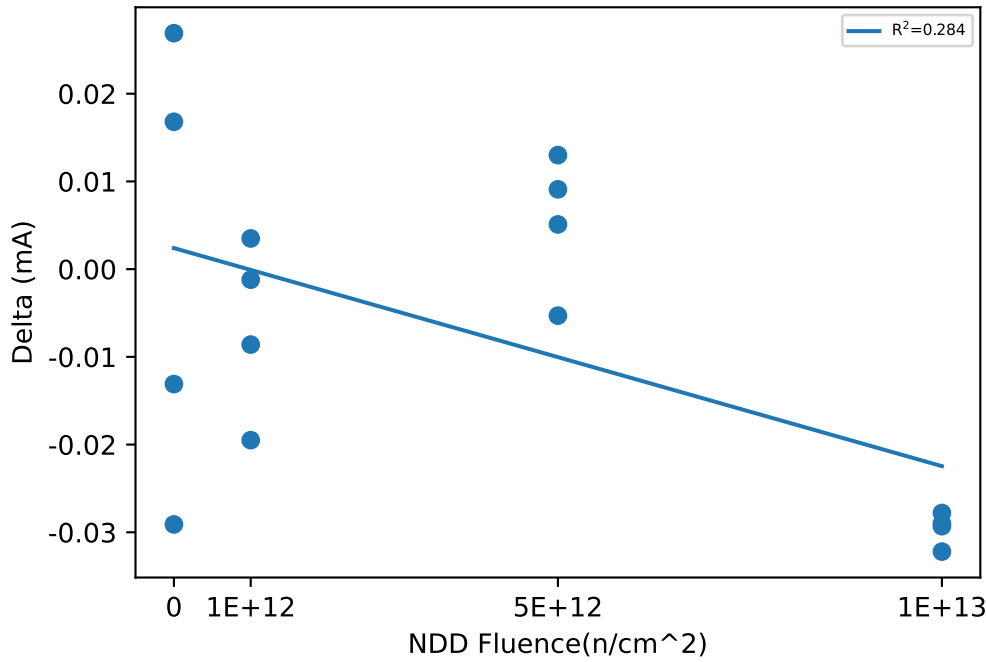
NDD vs Result Stats



Test Results (Upper Limit = 22.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	11.661	11.66	-0.0012
489	1e+12	NDD	11.793	11.774	-0.0195
583	1e+12	NDD	11.849	11.84	-0.0086
594	1e+12	NDD	11.619	11.623	0.0035
624	5e+12	NDD	11.692	11.687	-0.0053
839	5e+12	NDD	11.976	11.989	0.013
919	5e+12	NDD	11.912	11.921	0.0091
938	5e+12	NDD	11.745	11.75	0.0051
988	1e+13	NDD	11.749	11.722	-0.0278
1176	1e+13	NDD	11.709	11.68	-0.0293
1197	1e+13	NDD	11.904	11.875	-0.029
1246	0	CORRELATION	11.775	11.745	-0.0291
1277	1e+13	NDD	11.591	11.558	-0.0322
1357	0	CORRELATION	11.771	11.757	-0.0131
1410	0	CORRELATION	11.586	11.603	0.0168
1437	0	CORRELATION	11.712	11.739	0.0269

NDD vs Post - Pre Exposure Delta

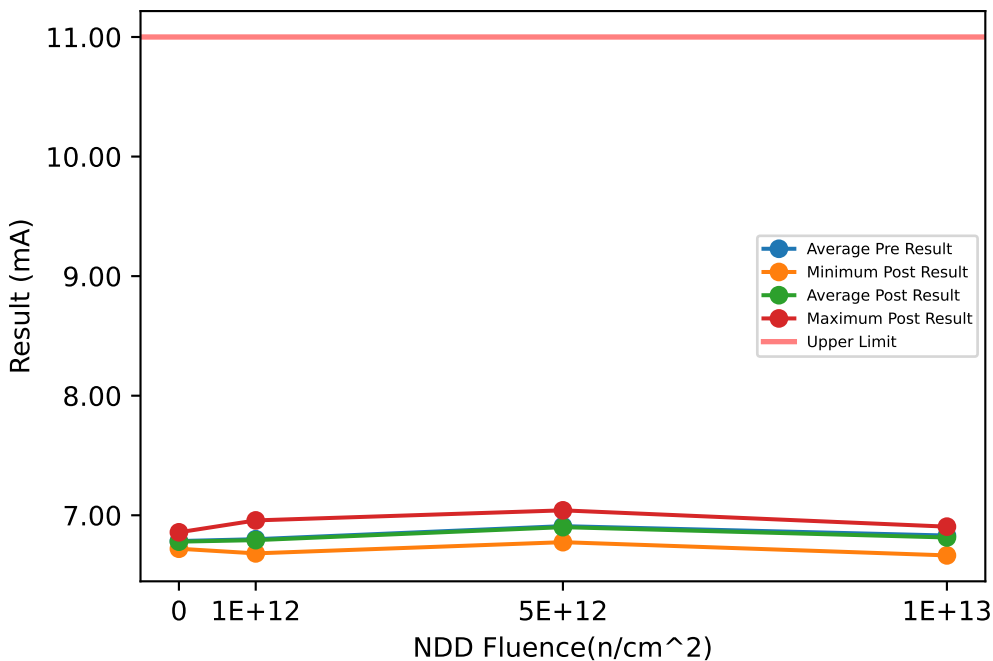


Test Statistics (mA)

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	11.586	11.711	11.775	0.087725	11.603	11.711	11.757	0.072415	-0.0291	0.000375	0.0269	0.025972
1e+12	11.619	11.731	11.849	0.10813	11.623	11.724	11.84	0.10048	-0.0195	-0.00645	0.0035	0.010025
5e+12	11.692	11.831	11.976	0.13467	11.687	11.837	11.989	0.14192	-0.0053	0.005475	0.013	0.0078742
1e+13	11.591	11.738	11.904	0.12945	11.558	11.709	11.875	0.13073	-0.0322	-0.029575	-0.0278	0.0018661

Device Test: 14.3 IDD|SUPPLY CURRENT/IN/12/12/0/0/5/100kHz//@IDD_ACT_100K_NOLOAD

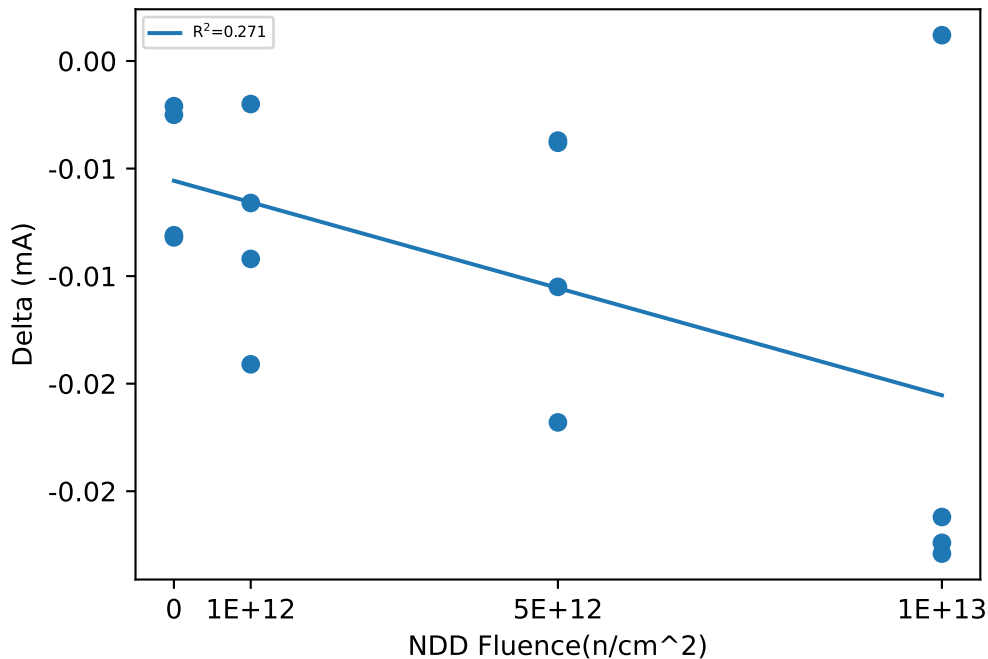
NDD vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	6.6904	6.6812	-0.0092
489	1e+12	NDD	6.8207	6.8066	-0.0141
583	1e+12	NDD	6.9636	6.957	-0.0066
594	1e+12	NDD	6.7249	6.7229	-0.002
624	5e+12	NDD	6.7918	6.775	-0.0168
839	5e+12	NDD	7.0449	7.0412	-0.0037
919	5e+12	NDD	6.9794	6.9756	-0.0038
938	5e+12	NDD	6.8208	6.8103	-0.0105
988	1e+13	NDD	6.903	6.8818	-0.0212
1176	1e+13	NDD	6.8047	6.8059	0.0012
1197	1e+13	NDD	6.9277	6.9048	-0.0229
1246	0	CORRELATION	6.8656	6.8575	-0.0081
1277	1e+13	NDD	6.6868	6.6644	-0.0224
1357	0	CORRELATION	6.7859	6.7777	-0.0082
1410	0	CORRELATION	6.7228	6.7203	-0.0025
1437	0	CORRELATION	6.7635	6.7614	-0.0021

NDD vs Post - Pre Exposure Delta

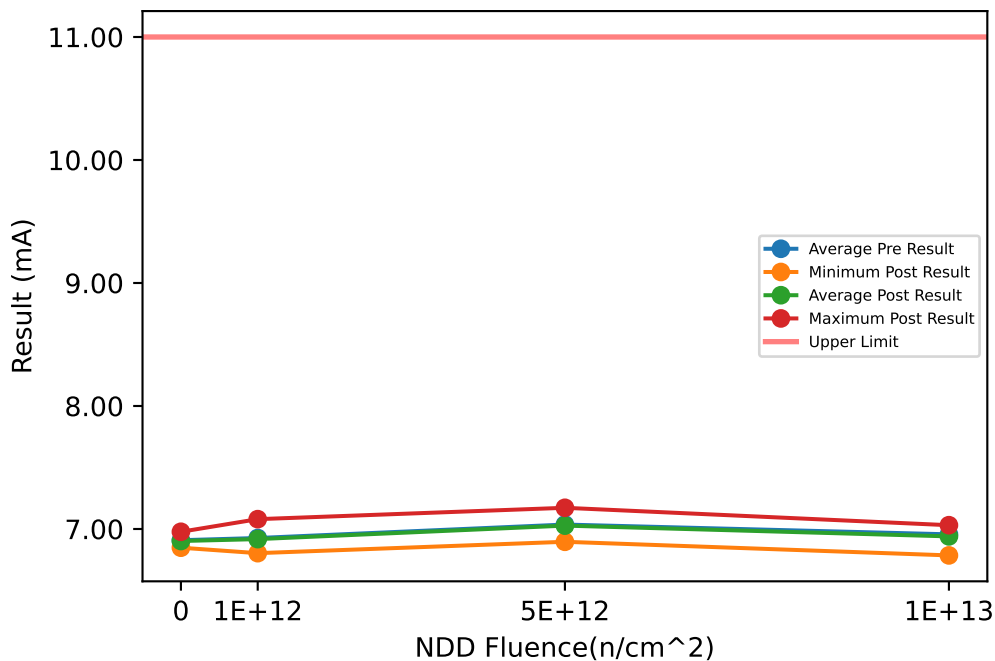


Test Statistics (mA)

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	6.7228	6.7844	6.8656	0.060075	6.7203	6.7792	6.8575	0.057501	-0.0082	-0.005225	-0.0021	0.0033817
1e+12	6.6904	6.7999	6.9636	0.12226	6.6812	6.7919	6.957	0.12178	-0.0141	-0.007975	-0.002	0.0050533
5e+12	6.7918	6.9092	7.0449	0.12239	6.775	6.9005	7.0412	0.12822	-0.0168	-0.0087	-0.0037	0.0062679
1e+13	6.6868	6.8305	6.9277	0.10957	6.6644	6.8142	6.9048	0.10845	-0.0229	-0.016325	0.0012	0.011705

Device Test: 14.4 IDD|SUPPLY CURRENT/IN/14/14/0/0/5/100kHz//@IDD_ACT_100K_NOLOAD

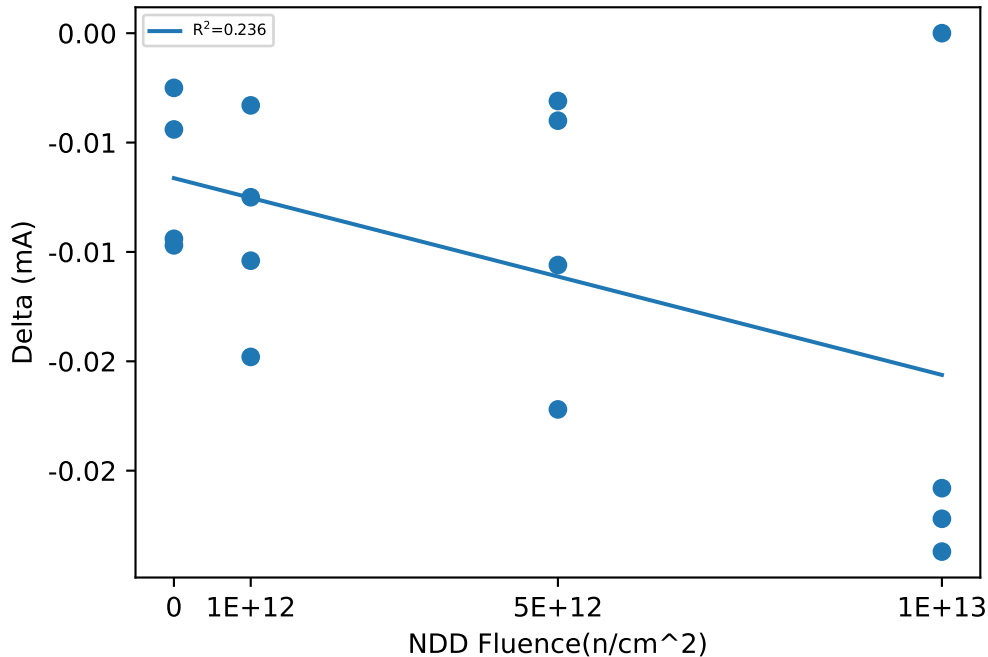
NDD vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	6.8139	6.8035	-0.0104
489	1e+12	NDD	6.95	6.9352	-0.0148
583	1e+12	NDD	7.0874	7.0799	-0.0075
594	1e+12	NDD	6.8554	6.8521	-0.0033
624	5e+12	NDD	6.9132	6.896	-0.0172
839	5e+12	NDD	7.1754	7.1723	-0.0031
919	5e+12	NDD	7.1066	7.1026	-0.004
938	5e+12	NDD	6.9492	6.9386	-0.0106
988	1e+13	NDD	7.0325	7.0117	-0.0208
1176	1e+13	NDD	6.9318	6.9318	0
1197	1e+13	NDD	7.0545	7.0308	-0.0237
1246	0	CORRELATION	6.987	6.9773	-0.0097
1277	1e+13	NDD	6.8075	6.7853	-0.0222
1357	0	CORRELATION	6.9077	6.8983	-0.0094
1410	0	CORRELATION	6.8523	6.8479	-0.0044
1437	0	CORRELATION	6.888	6.8855	-0.0025

NDD vs Post - Pre Exposure Delta

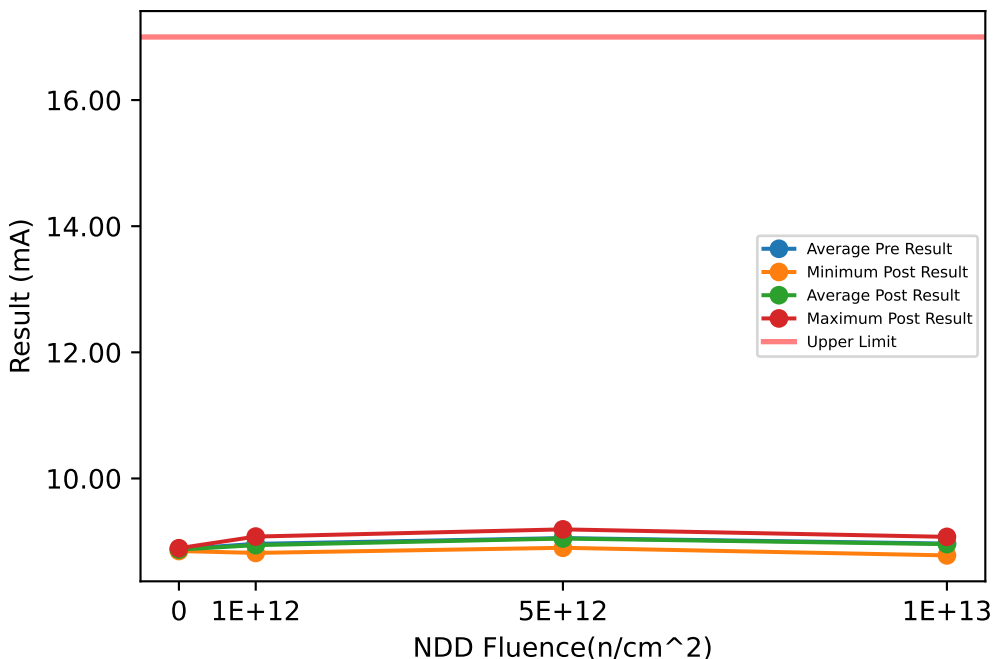


Test Statistics (mA)

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	6.8523	6.9087	6.987	0.056983	6.8479	6.9023	6.9773	0.054414	-0.0097	-0.0065	-0.0025	0.0036083
1e+12	6.8139	6.9267	7.0874	0.12135	6.8035	6.9177	7.0799	0.12105	-0.0148	-0.009	-0.0033	0.0048422
5e+12	6.9132	7.0361	7.1754	0.12521	6.896	7.0274	7.1723	0.13141	-0.0172	-0.008725	-0.0031	0.0065652
1e+13	6.8075	6.9566	7.0545	0.11283	6.7853	6.9399	7.0308	0.11163	-0.0237	-0.016675	0	0.01118

Device Test: 14.5 IDD|SUPPLY CURRENT/IN/12/12/0/0/5/500kHz//@IDD_ACT_500K_NOLOAD

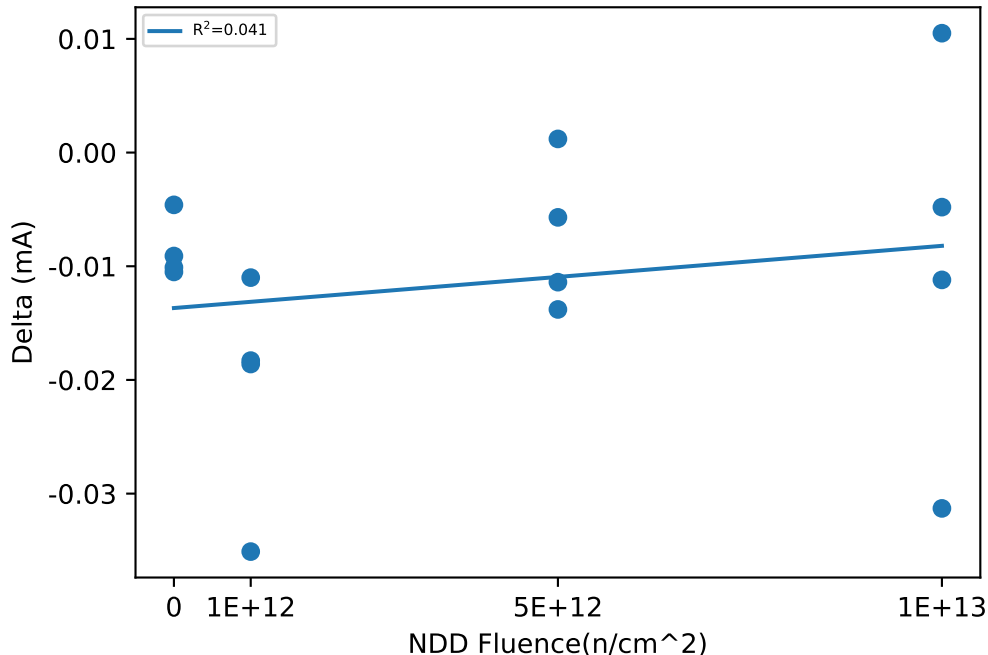
NDD vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	8.8546	8.8195	-0.0351
489	1e+12	NDD	9.0236	9.0126	-0.011
583	1e+12	NDD	9.0973	9.0787	-0.0186
594	1e+12	NDD	8.8772	8.8589	-0.0183
624	5e+12	NDD	8.9148	8.901	-0.0138
839	5e+12	NDD	9.1986	9.1929	-0.0057
919	5e+12	NDD	9.1119	9.1131	0.0012
938	5e+12	NDD	8.9942	8.9828	-0.0114
988	1e+13	NDD	9.0658	9.061	-0.0048
1176	1e+13	NDD	8.9075	8.918	0.0105
1197	1e+13	NDD	9.1055	9.0742	-0.0313
1246	0	CORRELATION	8.9046	8.8941	-0.0105
1277	1e+13	NDD	8.7914	8.7802	-0.0112
1357	0	CORRELATION	8.8768	8.8677	-0.0091
1410	0	CORRELATION	8.8594	8.8493	-0.0101
1437	0	CORRELATION	8.8821	8.8775	-0.0046

NDD vs Post - Pre Exposure Delta

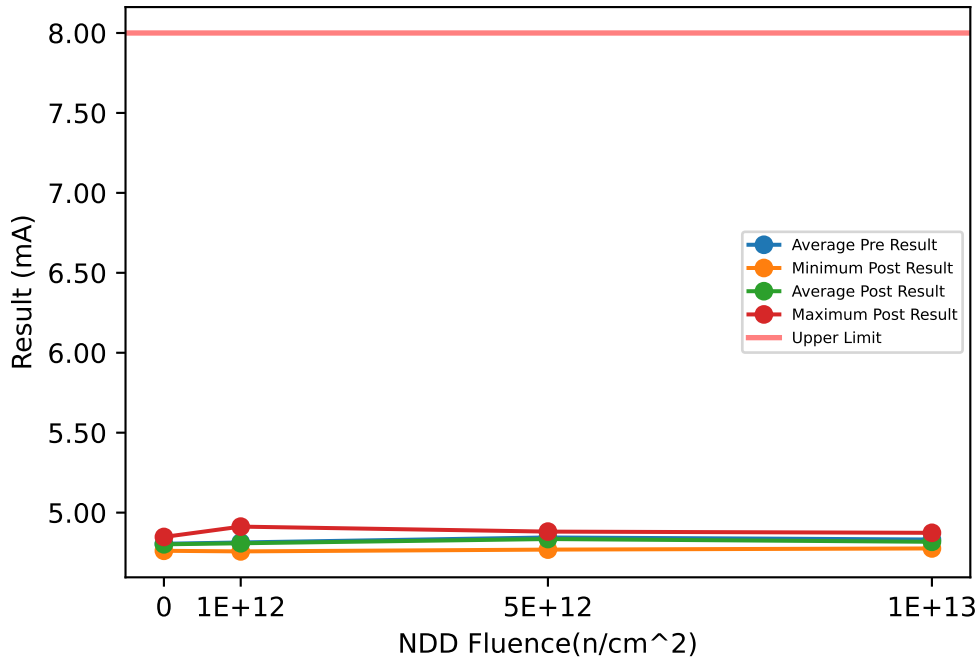


Test Statistics (mA)

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	8.8594	8.8807	8.9046	0.018637	8.8493	8.8721	8.8941	0.018729	-0.0105	-0.008575	-0.0046	0.0027146
1e+12	8.8546	8.9632	9.0973	0.11665	8.8195	8.9424	9.0787	0.12326	-0.0351	-0.02075	-0.011	0.010192
5e+12	8.9148	9.0549	9.1986	0.12545	8.901	9.0474	9.1929	0.1305	-0.0138	-0.007425	0.0012	0.0066785
1e+13	8.7914	8.9675	9.1055	0.14528	8.7802	8.9583	9.0742	0.13823	-0.0313	-0.0092	0.0105	0.017319

Device Test: 14.6 IDD_DIS|STANDBY CURRENT/IN/12/12/0/0/5/500kHz//@IDD_DIS

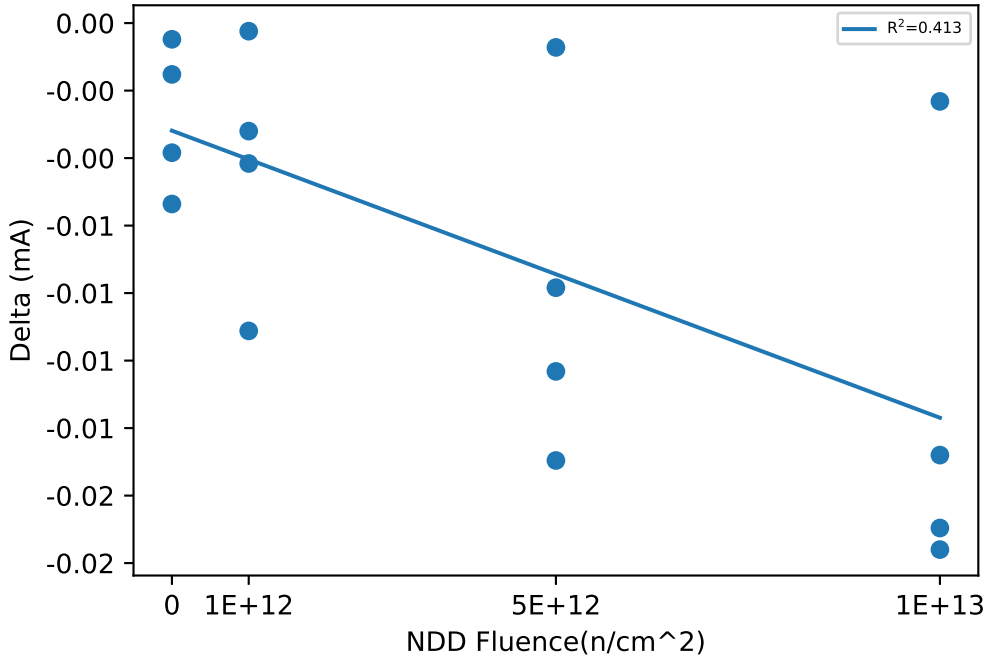
NDD vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	4.7615	4.7575	-0.004
489	1e+12	NDD	4.8003	4.7889	-0.0114
583	1e+12	NDD	4.9177	4.9125	-0.0052
594	1e+12	NDD	4.7744	4.7741	-0.0003
624	5e+12	NDD	4.7849	4.7687	-0.0162
839	5e+12	NDD	4.8745	4.8736	-0.0009
919	5e+12	NDD	4.8942	4.8813	-0.0129
938	5e+12	NDD	4.8252	4.8154	-0.0098
988	1e+13	NDD	4.8354	4.8159	-0.0195
1176	1e+13	NDD	4.8075	4.8046	-0.0029
1197	1e+13	NDD	4.8897	4.8737	-0.016
1246	0	CORRELATION	4.8545	4.8478	-0.0067
1277	1e+13	NDD	4.7947	4.776	-0.0187
1357	0	CORRELATION	4.7661	4.7613	-0.0048
1410	0	CORRELATION	4.7994	4.7988	-0.0006
1437	0	CORRELATION	4.801	4.7991	-0.0019

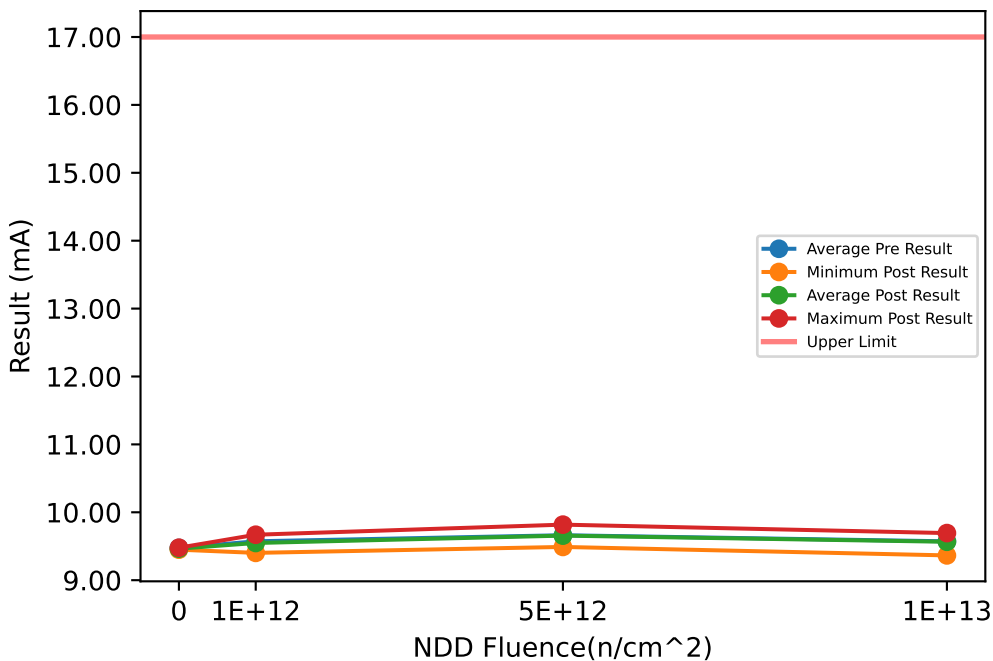
NDD vs Post - Pre Exposure Delta



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	4.7661	4.8053	4.8545	0.036563	4.7613	4.8018	4.8478	0.035461	-0.0067	-0.0035	-0.0006	0.0027628
1e+12	4.7615	4.8135	4.9177	0.071332	4.7575	4.8083	4.9125	0.070674	-0.0114	-0.005225	-0.0003	0.0046147
5e+12	4.7849	4.8447	4.8942	0.049311	4.7687	4.8347	4.8813	0.052957	-0.0162	-0.00995	-0.0009	0.006575
1e+13	4.7947	4.8318	4.8897	0.042159	4.776	4.8175	4.8737	0.041027	-0.0195	-0.014275	-0.0029	0.0077298

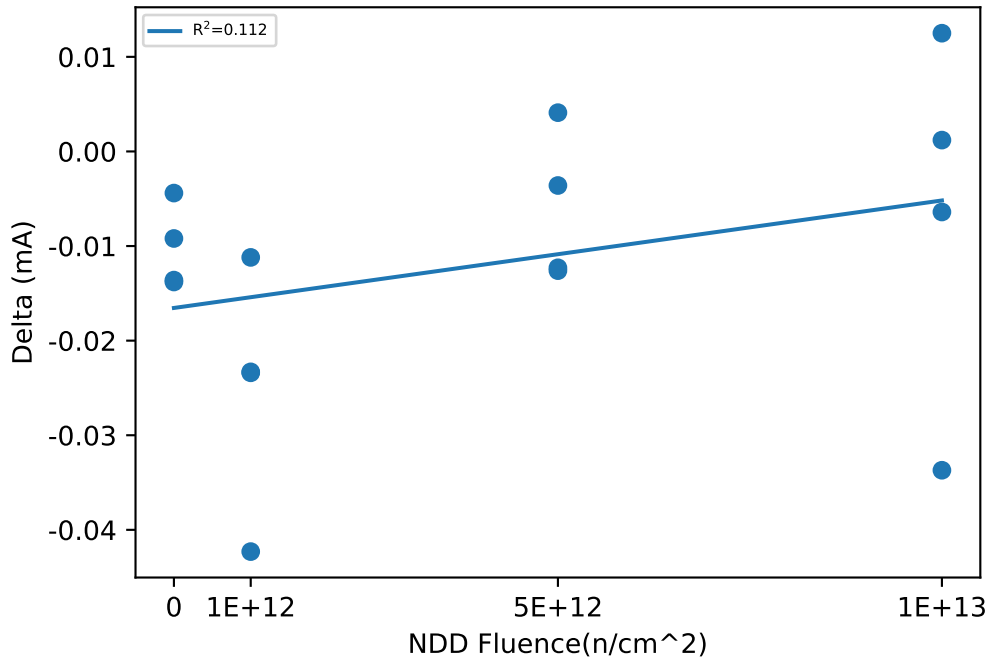
NDD vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	9.4445	9.4022	-0.0423
489	1e+12	NDD	9.65	9.6388	-0.0112
583	1e+12	NDD	9.6929	9.6695	-0.0234
594	1e+12	NDD	9.5042	9.4809	-0.0233
624	5e+12	NDD	9.502	9.4897	-0.0123
839	5e+12	NDD	9.8217	9.8181	-0.0036
919	5e+12	NDD	9.7213	9.7254	0.0041
938	5e+12	NDD	9.6044	9.5918	-0.0126
988	1e+13	NDD	9.6926	9.6938	0.0012
1176	1e+13	NDD	9.5135	9.526	0.0125
1197	1e+13	NDD	9.7121	9.6784	-0.0337
1246	0	CORRELATION	9.4752	9.4614	-0.0138
1277	1e+13	NDD	9.3715	9.3651	-0.0064
1357	0	CORRELATION	9.4585	9.4493	-0.0092
1410	0	CORRELATION	9.4817	9.4681	-0.0136
1437	0	CORRELATION	9.4827	9.4783	-0.0044

NDD vs Post - Pre Exposure Delta

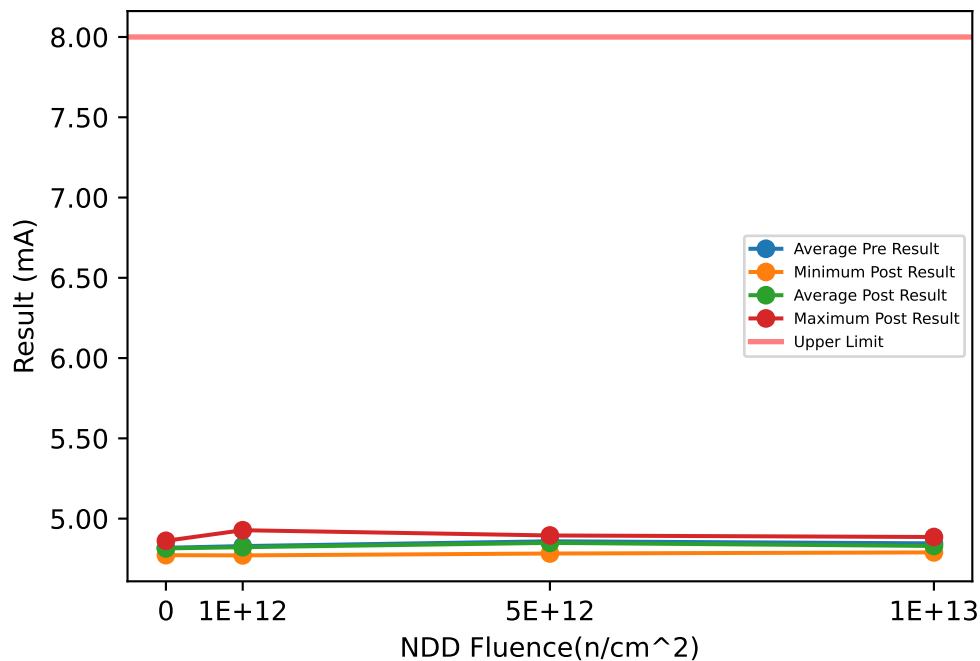


Test Statistics (mA)

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	9.4585	9.4745	9.4827	0.011189	9.4493	9.4643	9.4783	0.012163	-0.0138	-0.01025	-0.0044	0.0044403
1e+12	9.4445	9.5729	9.6929	0.11769	9.4022	9.5479	9.6695	0.1275	-0.0423	-0.02505	-0.0112	0.012847
5e+12	9.502	9.6623	9.8217	0.13897	9.4897	9.6562	9.8181	0.14476	-0.0126	-0.0061	0.0041	0.0079787
1e+13	9.3715	9.5724	9.7121	0.16103	9.3651	9.5658	9.6938	0.15376	-0.0337	-0.0066	0.0125	0.019665

Device Test: 14.8 IDD_DIS|STANDBY CURRENT/IN/14/14/0/0/5/500kHz//@IDD_DIS

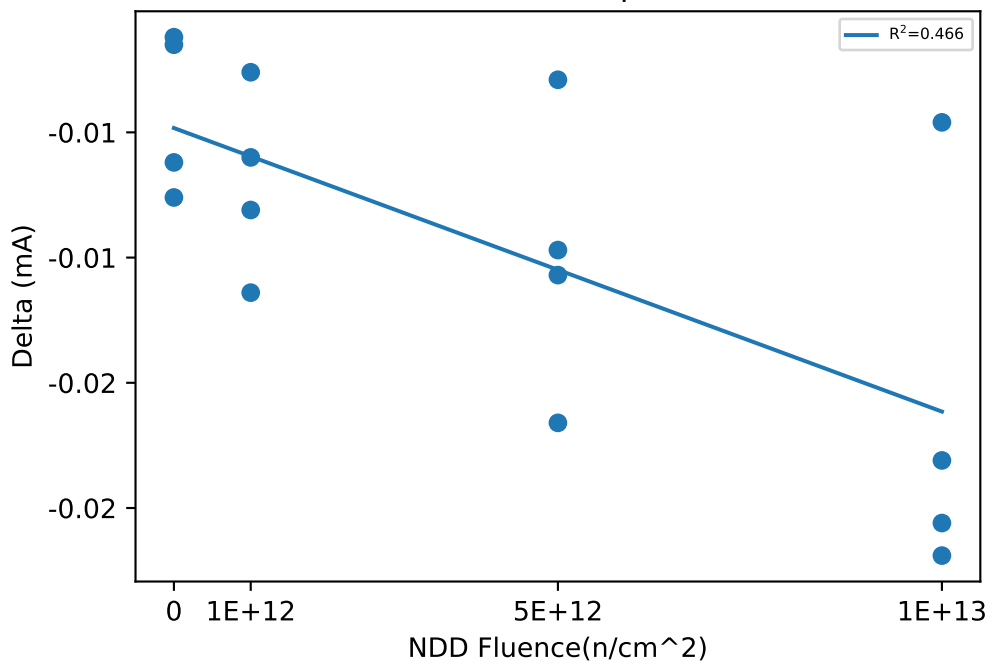
NDD vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	4.777	4.771	-0.006
489	1e+12	NDD	4.8119	4.8005	-0.0114
583	1e+12	NDD	4.9359	4.9278	-0.0081
594	1e+12	NDD	4.7916	4.789	-0.0026
624	5e+12	NDD	4.7993	4.7827	-0.0166
839	5e+12	NDD	4.8902	4.8873	-0.0029
919	5e+12	NDD	4.9059	4.8952	-0.0107
938	5e+12	NDD	4.84	4.8303	-0.0097
988	1e+13	NDD	4.8486	4.8267	-0.0219
1176	1e+13	NDD	4.8216	4.817	-0.0046
1197	1e+13	NDD	4.9037	4.8856	-0.0181
1246	0	CORRELATION	4.8695	4.8619	-0.0076
1277	1e+13	NDD	4.8103	4.7897	-0.0206
1357	0	CORRELATION	4.7787	4.7725	-0.0062
1410	0	CORRELATION	4.8126	4.8114	-0.0012
1437	0	CORRELATION	4.813	4.8115	-0.0015

NDD vs Post - Pre Exposure Delta

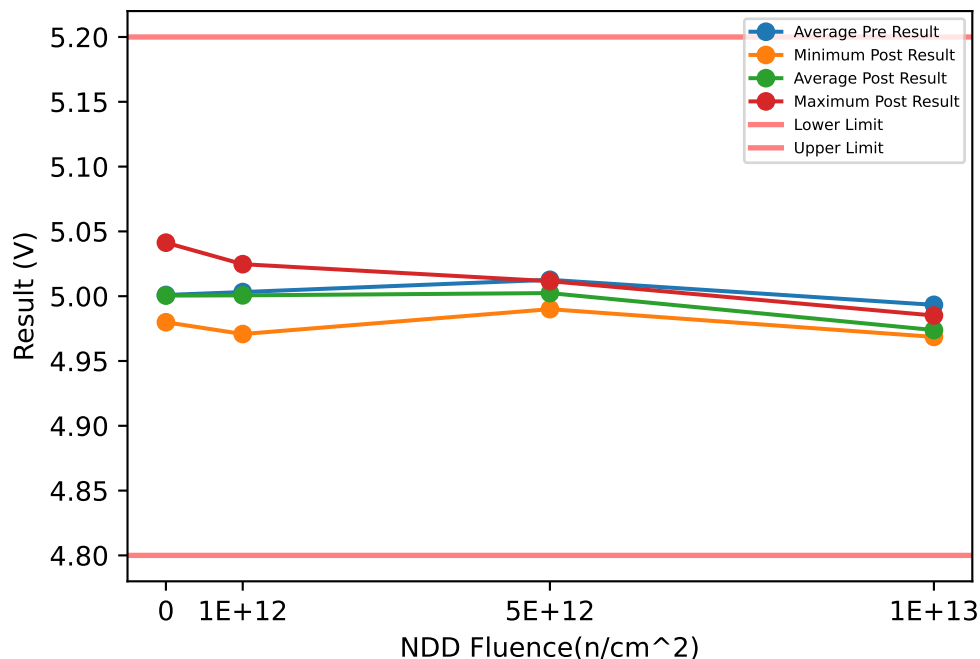


Test Statistics (mA)

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	4.7787	4.8185	4.8695	0.037639	4.7725	4.8143	4.8619	0.036648	-0.0076	-0.004125	-0.0012	0.0032572
1e+12	4.777	4.8291	4.9359	0.072624	4.771	4.8221	4.9278	0.071521	-0.0114	-0.007025	-0.0026	0.0036936
5e+12	4.7993	4.8589	4.9059	0.048642	4.7827	4.8489	4.8952	0.052747	-0.0166	-0.009975	-0.0029	0.0056139
1e+13	4.8103	4.846	4.9037	0.041657	4.7897	4.8297	4.8856	0.040394	-0.0219	-0.0163	-0.0046	0.0079578

Device Test: 15.15 VLDO|V_VLDO/VLDO/8/8/0/0/5/500kHz//@V_LDO_INT

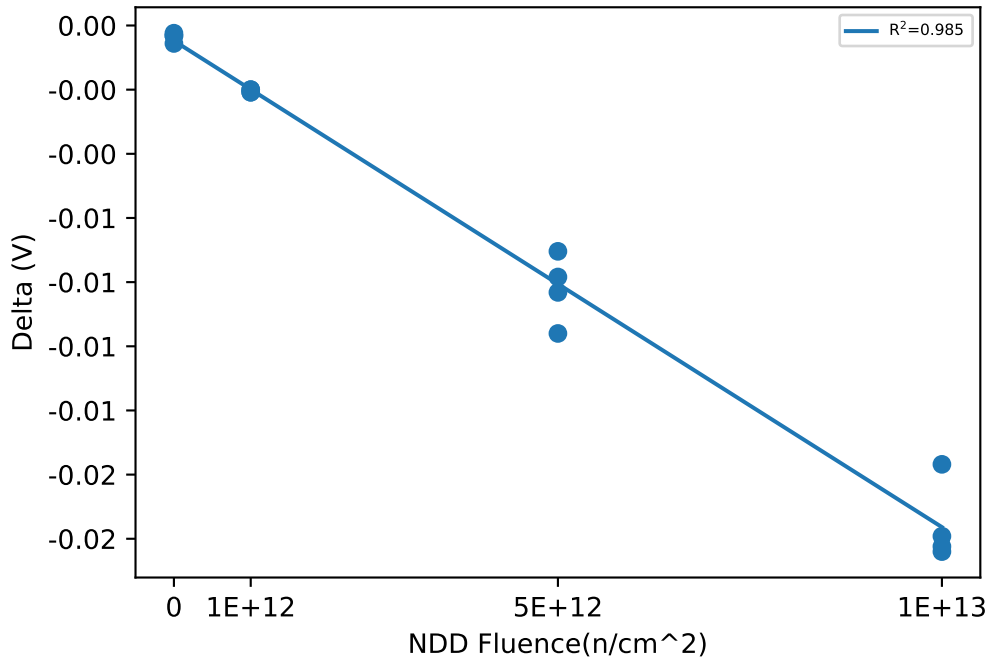
NDD vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5.0272	5.0247	-0.0025
489	1e+12	NDD	4.9734	4.9708	-0.0026
583	1e+12	NDD	5.0228	5.0202	-0.0026
594	1e+12	NDD	4.9894	4.9869	-0.0025
624	5e+12	NDD	5.014	5.0052	-0.0088
839	5e+12	NDD	4.9998	4.99	-0.0098
919	5e+12	NDD	5.0236	5.0116	-0.012
938	5e+12	NDD	5.0132	5.0028	-0.0104
988	1e+13	NDD	4.9935	4.973	-0.0205
1176	1e+13	NDD	5.0022	4.9851	-0.0171
1197	1e+13	NDD	4.9887	4.9688	-0.0199
1246	0	CORRELATION	5.042	5.0413	-0.0007
1277	1e+13	NDD	4.9889	4.9686	-0.0203
1357	0	CORRELATION	4.999	4.9986	-0.0004
1410	0	CORRELATION	4.9825	4.9821	-0.0004
1437	0	CORRELATION	4.9802	4.9799	-0.0003

NDD vs Post - Pre Exposure Delta

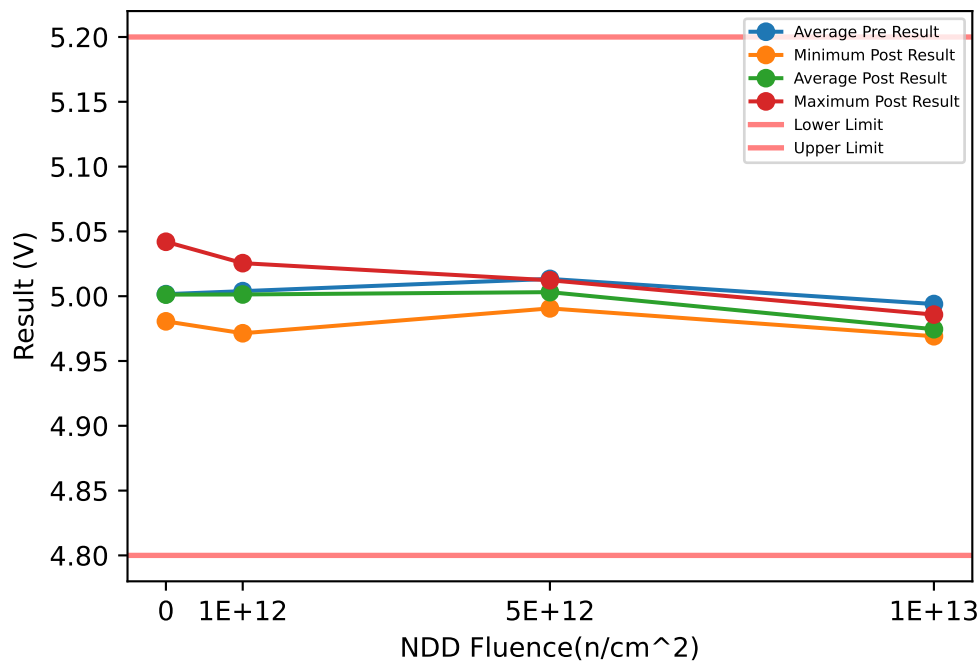


Test Statistics (V)

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	4.9802	5.0009	5.042	0.028635	4.9799	5.0005	5.0413	0.028467	-0.0007	-0.00045	-0.0003	0.00017321
1e+12	4.9734	5.0032	5.0272	0.026068	4.9708	5.0007	5.0247	0.026081	-0.0026	-0.00255	-0.0025	5.7735e-05
5e+12	4.9998	5.0126	5.0236	0.0097835	4.99	5.0024	5.0116	0.0090627	-0.012	-0.01025	-0.0088	0.0013404
1e+13	4.9887	4.9933	5.0022	0.0063184	4.9686	4.9739	4.9851	0.0077534	-0.0205	-0.01945	-0.0171	0.0015864

Device Test: 15.16 VLDO|V_VLDO/VLDO/12/12/0/0/5/500kHz//@V_LDO_INT

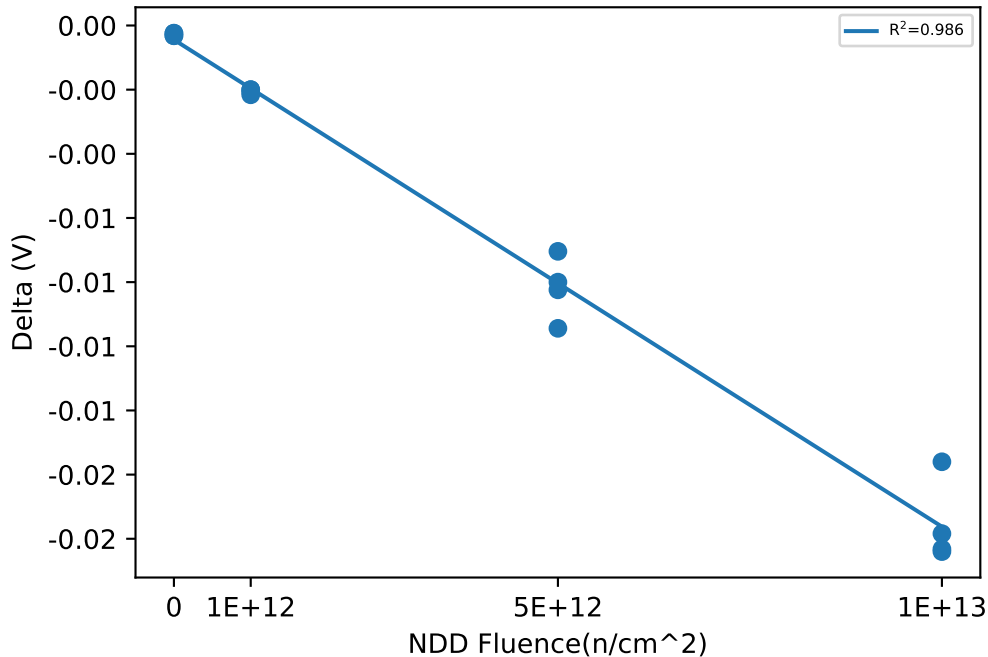
NDD vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5.028	5.0255	-0.0025
489	1e+12	NDD	4.974	4.9714	-0.0026
583	1e+12	NDD	5.0235	5.0208	-0.0027
594	1e+12	NDD	4.9901	4.9876	-0.0025
624	5e+12	NDD	5.0147	5.0059	-0.0088
839	5e+12	NDD	5.0006	4.9906	-0.01
919	5e+12	NDD	5.0241	5.0123	-0.0118
938	5e+12	NDD	5.014	5.0037	-0.0103
988	1e+13	NDD	4.9941	4.9736	-0.0205
1176	1e+13	NDD	5.0028	4.9858	-0.017
1197	1e+13	NDD	4.9894	4.9696	-0.0198
1246	0	CORRELATION	5.0424	5.042	-0.0004
1277	1e+13	NDD	4.9895	4.9691	-0.0204
1357	0	CORRELATION	4.9996	4.9993	-0.0003
1410	0	CORRELATION	4.9834	4.983	-0.0004
1437	0	CORRELATION	4.9809	4.9806	-0.0003

NDD vs Post - Pre Exposure Delta

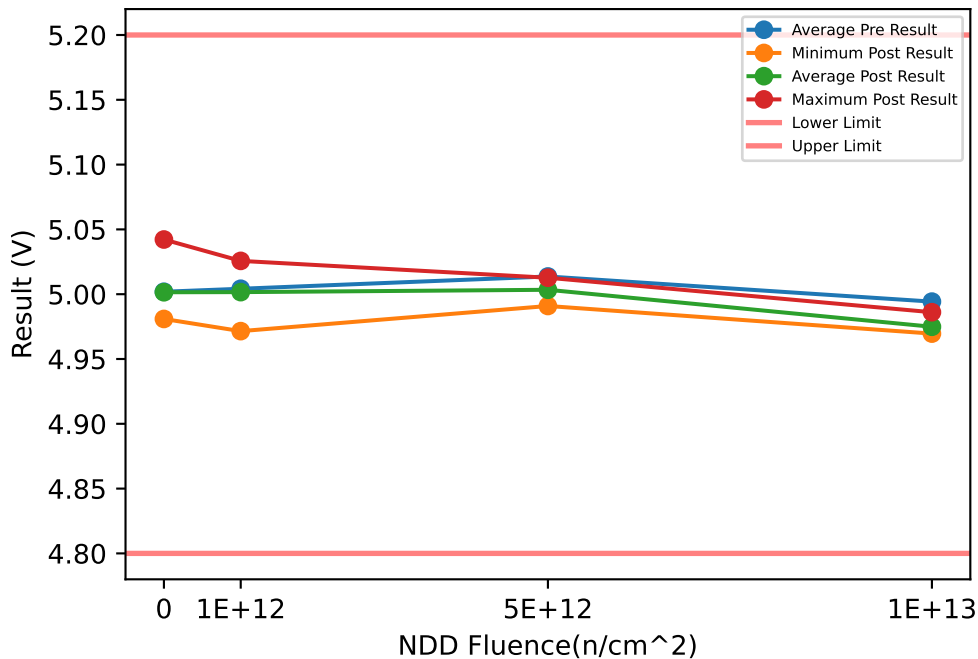


Test Statistics (V)

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	4.9809	5.0016	5.0424	0.028451	4.9806	5.0012	5.042	0.028424	-0.0004	-0.00035	-0.0003	5.7735e-05
1e+12	4.974	5.0039	5.028	0.026137	4.9714	5.0013	5.0255	0.026125	-0.0027	-0.002575	-0.0025	9.5743e-05
5e+12	5.0006	5.0133	5.0241	0.0096673	4.9906	5.0031	5.0123	0.009112	-0.0118	-0.010225	-0.0088	0.0012339
1e+13	4.9894	4.9939	5.0028	0.0062942	4.9691	4.9745	4.9858	0.0077818	-0.0205	-0.019425	-0.017	0.001646

Device Test: 15.17 VLDO|V_VLDO/VLDO/14/14/0/0/5/500kHz//@V_LDO_INT

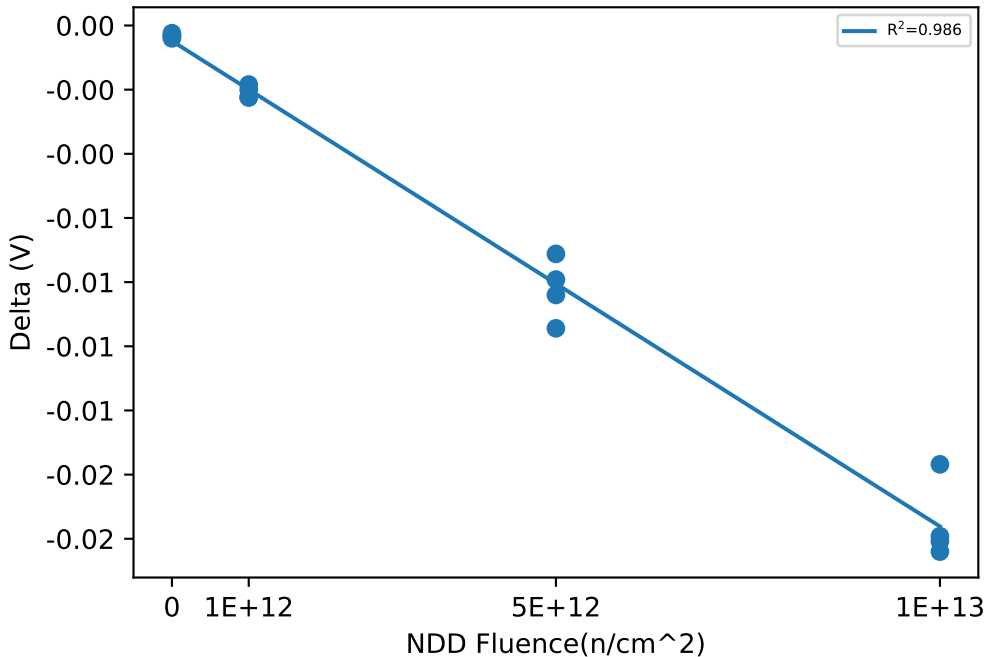
NDD vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5.0282	5.0257	-0.0025
489	1e+12	NDD	4.9743	4.9715	-0.0028
583	1e+12	NDD	5.0239	5.0211	-0.0028
594	1e+12	NDD	4.9904	4.9881	-0.0023
624	5e+12	NDD	5.015	5.0061	-0.0089
839	5e+12	NDD	5.0008	4.9909	-0.0099
919	5e+12	NDD	5.0245	5.0127	-0.0118
938	5e+12	NDD	5.0144	5.0039	-0.0105
988	1e+13	NDD	4.9943	4.9738	-0.0205
1176	1e+13	NDD	5.0032	4.9861	-0.0171
1197	1e+13	NDD	4.9899	4.97	-0.0199
1246	0	CORRELATION	5.0427	5.0422	-0.0005
1277	1e+13	NDD	4.9897	4.9696	-0.0201
1357	0	CORRELATION	5	4.9996	-0.0004
1410	0	CORRELATION	4.9837	4.9833	-0.0004
1437	0	CORRELATION	4.9812	4.9809	-0.0003

NDD vs Post - Pre Exposure Delta

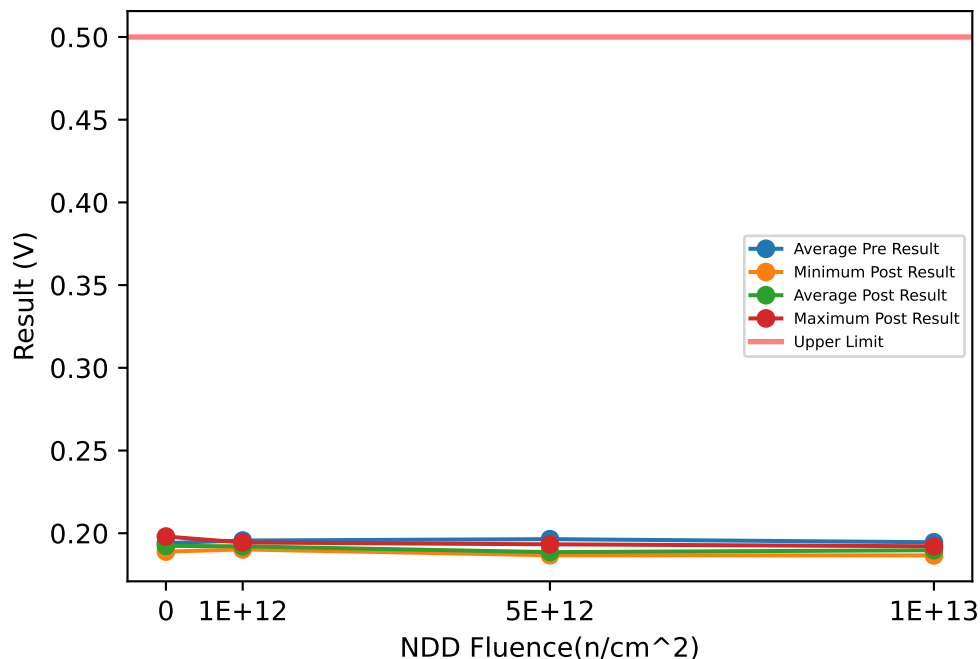


Test Statistics (V)

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	4.9812	5.0019	5.0427	0.028449	4.9809	5.0015	5.0422	0.028377	-0.0005	-0.0004	-0.0003	8.165e-05
1e+12	4.9743	5.0042	5.0282	0.026131	4.9715	5.0016	5.0257	0.026136	-0.0028	-0.0026	-0.0023	0.00024495
5e+12	5.0008	5.0137	5.0245	0.0097507	4.9909	5.0034	5.0127	0.0091338	-0.0118	-0.010275	-0.0089	0.0012121
1e+13	4.9897	4.9943	5.0032	0.0063174	4.9696	4.9749	4.9861	0.007719	-0.0205	-0.0194	-0.0171	0.0015535

Device Test: 15.19 VLDO|VDO_VLDO/VLDO/8/8/0/0/5/500kHz//@V_LDO_DO_INT

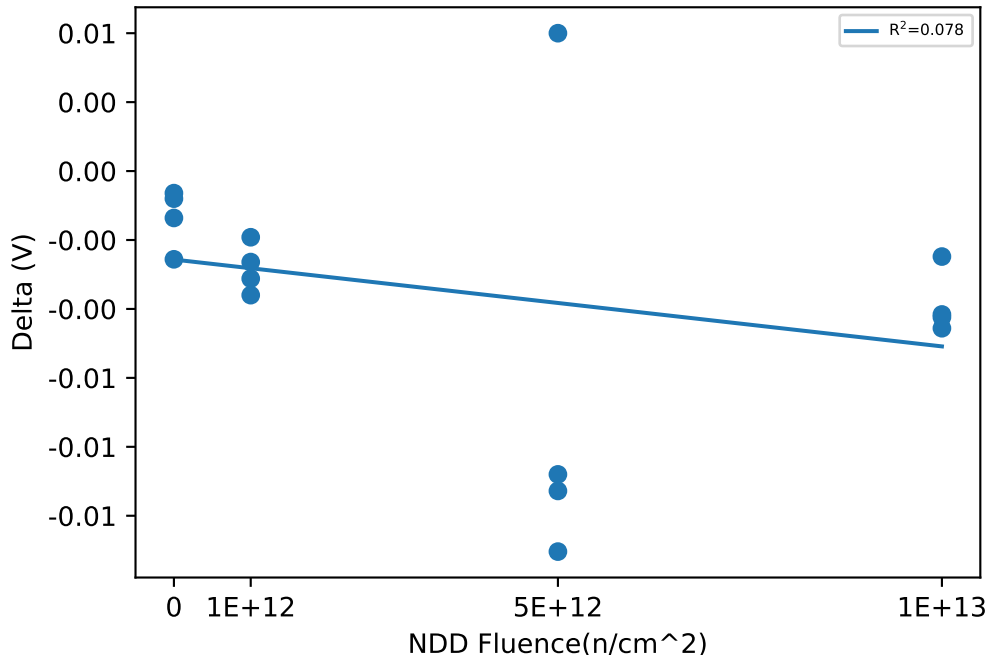
NDD vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.1949	0.1916	-0.0033
489	1e+12	NDD	0.1983	0.1944	-0.0039
583	1e+12	NDD	0.1966	0.1921	-0.0045
594	1e+12	NDD	0.1926	0.1902	-0.0024
624	5e+12	NDD	0.1982	0.1872	-0.011
839	5e+12	NDD	0.1883	0.1933	0.005
919	5e+12	NDD	0.2009	0.1871	-0.0138
938	5e+12	NDD	0.1983	0.1867	-0.0116
988	1e+13	NDD	0.195	0.1897	-0.0053
1176	1e+13	NDD	0.1897	0.1866	-0.0031
1197	1e+13	NDD	0.1957	0.1905	-0.0052
1246	0	CORRELATION	0.1997	0.198	-0.0017
1277	1e+13	NDD	0.1978	0.1921	-0.0057
1357	0	CORRELATION	0.1945	0.1935	-0.001
1410	0	CORRELATION	0.1923	0.1891	-0.0032
1437	0	CORRELATION	0.1897	0.1889	-0.0008

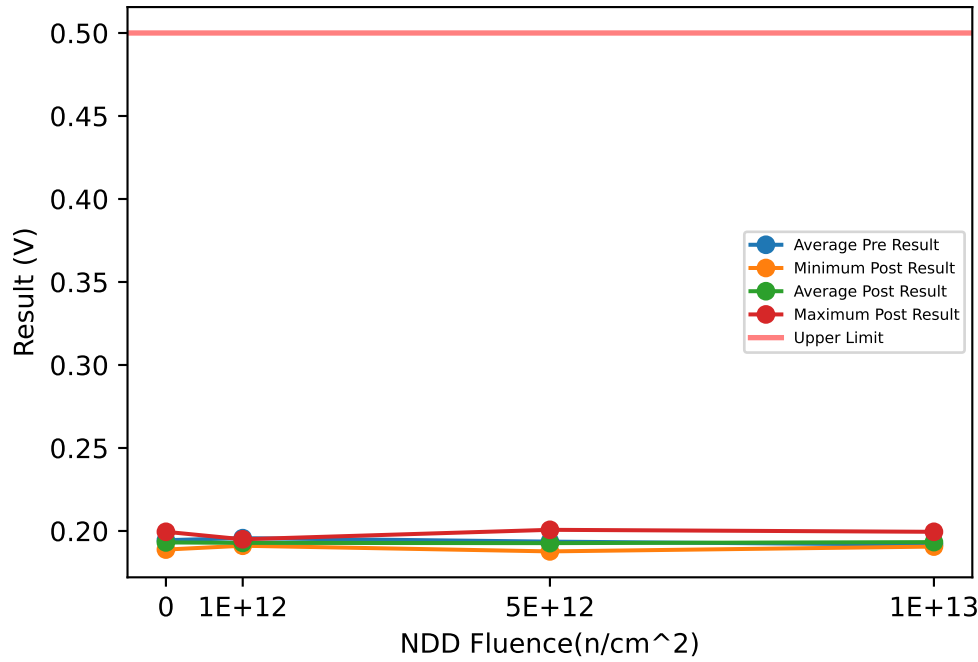
NDD vs Post - Pre Exposure Delta



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	0.1897	0.19405	0.1997	0.004247	0.1889	0.19238	0.198	0.0043092	-0.0032	-0.001675	-0.0008	0.0010874
1e+12	0.1926	0.1956	0.1983	0.0024345	0.1902	0.19207	0.1944	0.0017462	-0.0045	-0.003525	-0.0024	0.00089582
5e+12	0.1883	0.19642	0.2009	0.005559	0.1867	0.18857	0.1933	0.0031574	-0.0138	-0.00785	0.005	0.0086508
1e+13	0.1897	0.19455	0.1978	0.0034453	0.1866	0.18973	0.1921	0.0023099	-0.0057	-0.004825	-0.0031	0.0011701

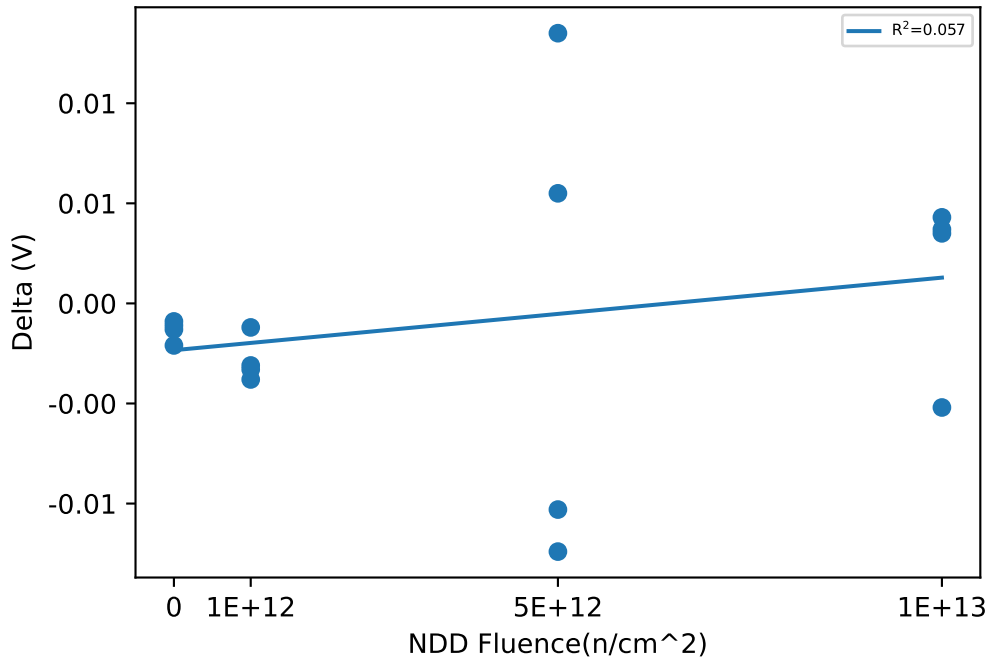
NDD vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.195	0.1919	-0.0031
489	1e+12	NDD	0.1988	0.195	-0.0038
583	1e+12	NDD	0.1966	0.1933	-0.0033
594	1e+12	NDD	0.1923	0.1911	-0.0012
624	5e+12	NDD	0.1872	0.2007	0.0135
839	5e+12	NDD	0.1883	0.1938	0.0055
919	5e+12	NDD	0.2009	0.1885	-0.0124
938	5e+12	NDD	0.198	0.1877	-0.0103
988	1e+13	NDD	0.1952	0.1995	0.0043
1176	1e+13	NDD	0.1871	0.1906	0.0035
1197	1e+13	NDD	0.196	0.1908	-0.0052
1246	0	CORRELATION	0.2004	0.1995	-0.0009
1277	1e+13	NDD	0.1886	0.1923	0.0037
1357	0	CORRELATION	0.1951	0.194	-0.0011
1410	0	CORRELATION	0.1922	0.1901	-0.0021
1437	0	CORRELATION	0.1901	0.1888	-0.0013

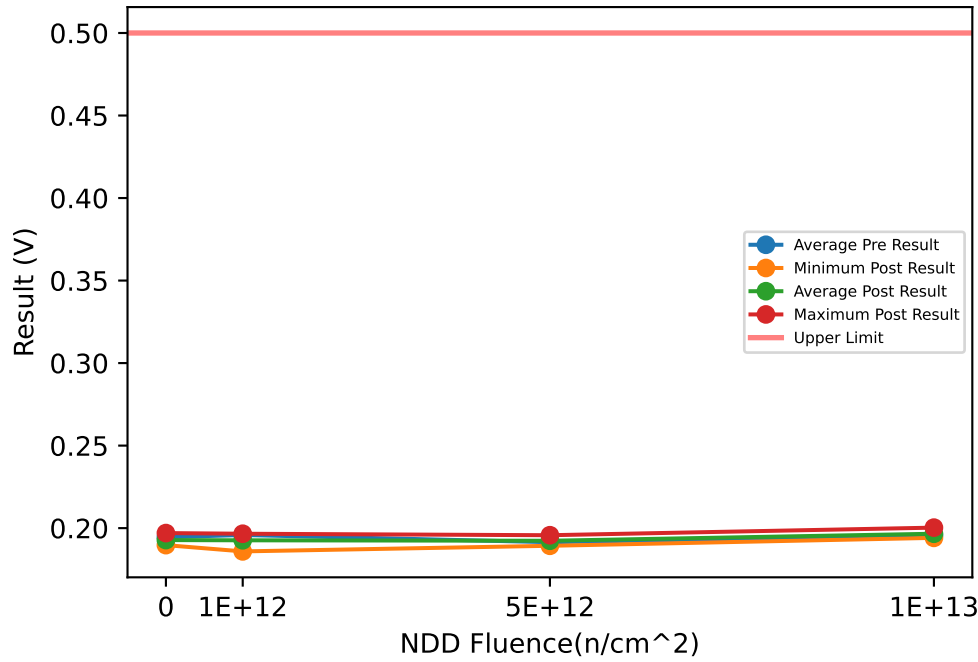
NDD vs Post - Pre Exposure Delta



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	0.1901	0.19445	0.2004	0.004465	0.1888	0.1931	0.1995	0.0048049	-0.0021	-0.00135	-0.0009	0.00052599
1e+12	0.1923	0.19567	0.1988	0.0027366	0.1911	0.19282	0.195	0.0017115	-0.0038	-0.00285	-0.0012	0.0011387
5e+12	0.1872	0.1936	0.2009	0.0068727	0.1877	0.19267	0.2007	0.0059958	-0.0124	-0.000925	0.0135	0.012502
1e+13	0.1871	0.19173	0.196	0.004528	0.1906	0.1933	0.1995	0.0042024	-0.0052	0.001575	0.0043	0.0045294

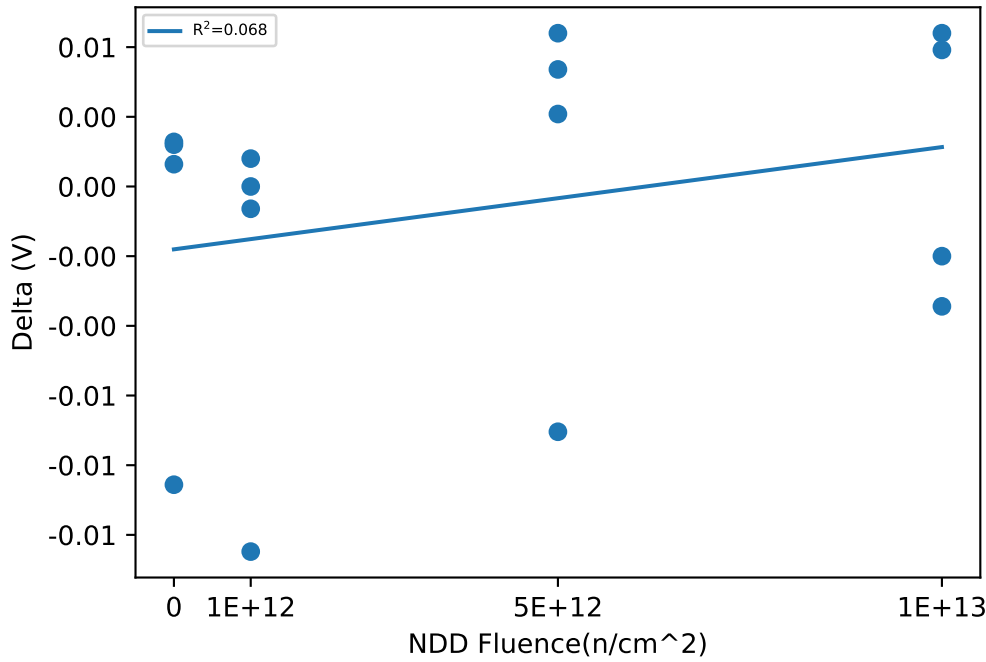
NDD vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.1949	0.1941	-0.0008
489	1e+12	NDD	0.199	0.1859	-0.0131
583	1e+12	NDD	0.1966	0.1966	0
594	1e+12	NDD	0.1929	0.1939	0.001
624	5e+12	NDD	0.1915	0.1957	0.0042
839	5e+12	NDD	0.1887	0.1942	0.0055
919	5e+12	NDD	0.1876	0.1902	0.0026
938	5e+12	NDD	0.1981	0.1893	-0.0088
988	1e+13	NDD	0.1954	0.2003	0.0049
1176	1e+13	NDD	0.1917	0.1972	0.0055
1197	1e+13	NDD	0.1966	0.1941	-0.0025
1246	0	CORRELATION	0.2004	0.1897	-0.0107
1277	1e+13	NDD	0.1991	0.1948	-0.0043
1357	0	CORRELATION	0.1954	0.197	0.0016
1410	0	CORRELATION	0.1922	0.193	0.0008
1437	0	CORRELATION	0.1898	0.1913	0.0015

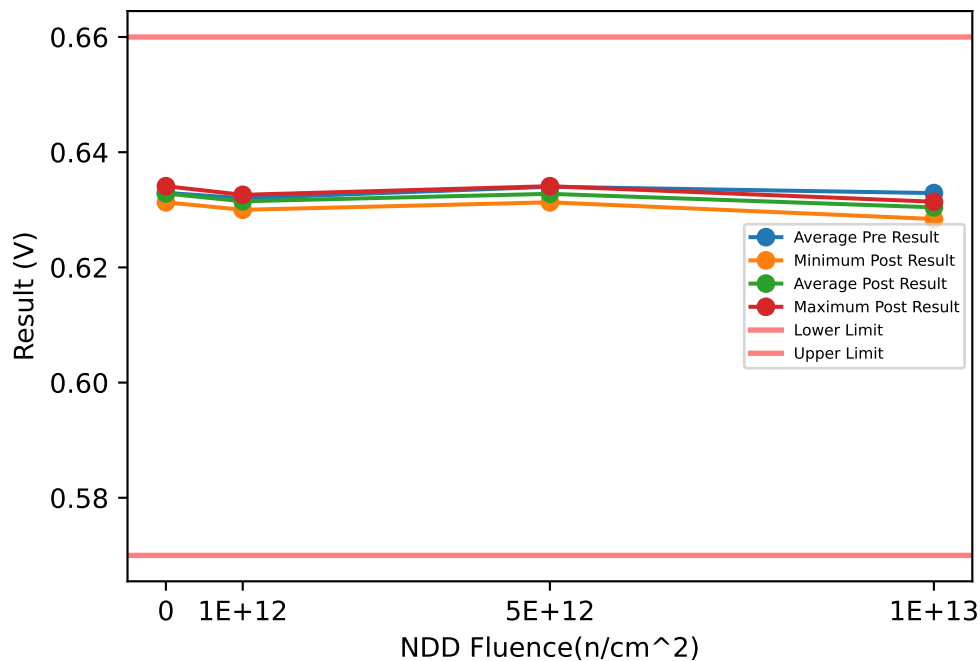
NDD vs Post - Pre Exposure Delta



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	0.1898	0.19445	0.2004	0.0045822	0.1897	0.19275	0.197	0.0031374	-0.0107	-0.0017	0.0016	0.0060105
1e+12	0.1929	0.19585	0.199	0.0025878	0.1859	0.19262	0.1966	0.0046486	-0.0131	-0.003225	0.001	0.0066244
5e+12	0.1876	0.19148	0.1981	0.004712	0.1893	0.19235	0.1957	0.003086	-0.0088	0.000875	0.0055	0.0065581
1e+13	0.1917	0.1957	0.1991	0.00308	0.1941	0.1966	0.2003	0.0028012	-0.0043	0.0009	0.0055	0.0050253

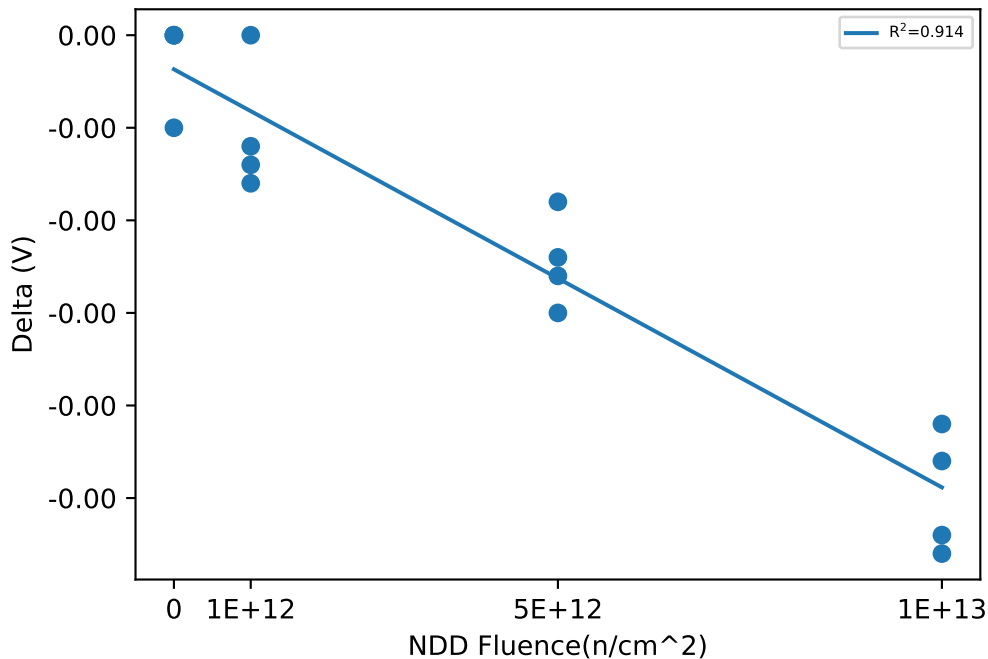
NDD vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.6307	0.63	-0.0007
489	1e+12	NDD	0.6313	0.6307	-0.0006
583	1e+12	NDD	0.6326	0.6326	0
594	1e+12	NDD	0.6334	0.6326	-0.0008
624	5e+12	NDD	0.6326	0.6313	-0.0013
839	5e+12	NDD	0.6354	0.6339	-0.0015
919	5e+12	NDD	0.6353	0.6341	-0.0012
938	5e+12	NDD	0.6327	0.6318	-0.0009
988	1e+13	NDD	0.6341	0.6314	-0.0027
1176	1e+13	NDD	0.6328	0.6307	-0.0021
1197	1e+13	NDD	0.6335	0.6312	-0.0023
1246	0	CORRELATION	0.6327	0.6327	0
1277	1e+13	NDD	0.6312	0.6284	-0.0028
1357	0	CORRELATION	0.6313	0.6313	0
1410	0	CORRELATION	0.6332	0.6332	0
1437	0	CORRELATION	0.6346	0.6341	-0.0005

NDD vs Post - Pre Exposure Delta

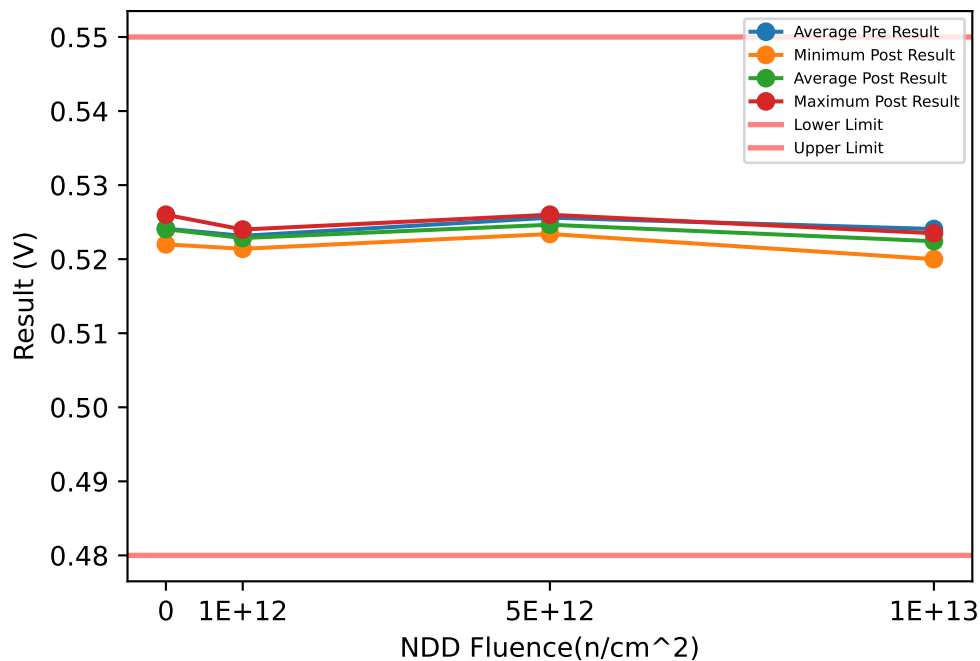


Test Statistics (V)

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	0.6313	0.63295	0.6346	0.0013626	0.6313	0.63282	0.6341	0.0011701	-0.0005	-0.000125	0	0.00025
1e+12	0.6307	0.632	0.6334	0.0012247	0.63	0.63148	0.6326	0.0013301	-0.0008	-0.000525	0	0.0003594
5e+12	0.6326	0.634	0.6354	0.0015599	0.6313	0.63277	0.6341	0.0014315	-0.0015	-0.001225	-0.0009	0.00025
1e+13	0.6312	0.6329	0.6341	0.0012517	0.6284	0.63043	0.6314	0.0013817	-0.0028	-0.002475	-0.0021	0.0003304

Device Test: 16.11 LEVEL|EN_FALL/EN/14/14/0/0/5/500kHz//@V_EN_FALL

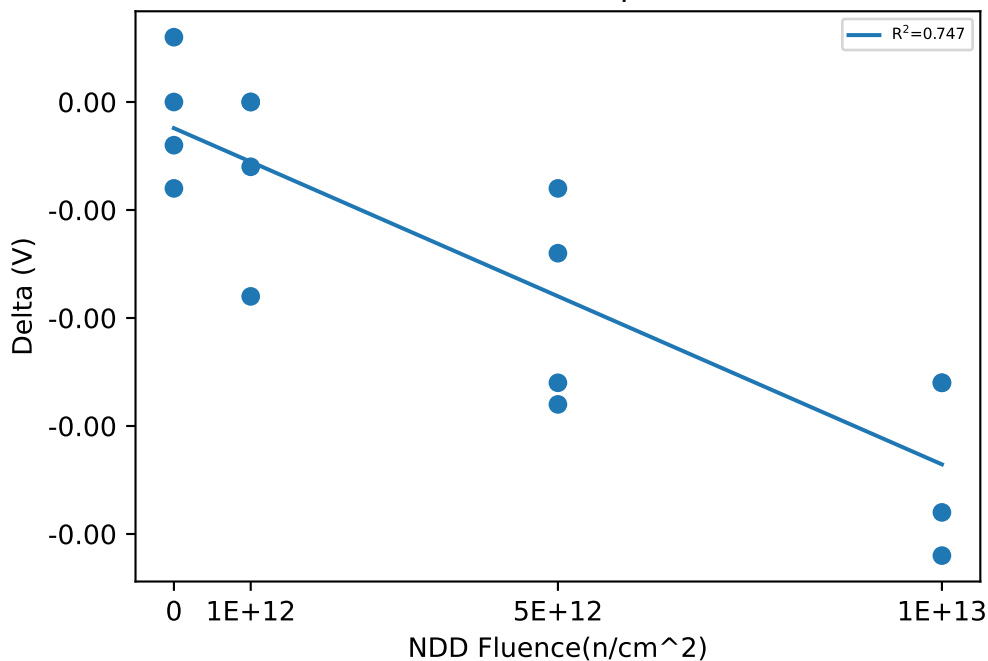
NDD vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.5214	0.5214	0
489	1e+12	NDD	0.5229	0.522	-0.0009
583	1e+12	NDD	0.5243	0.524	-0.0003
594	1e+12	NDD	0.524	0.524	0
624	5e+12	NDD	0.5241	0.5234	-0.0007
839	5e+12	NDD	0.5273	0.526	-0.0013
919	5e+12	NDD	0.5268	0.5254	-0.0014
938	5e+12	NDD	0.5242	0.5238	-0.0004
988	1e+13	NDD	0.5255	0.5234	-0.0021
1176	1e+13	NDD	0.5241	0.5228	-0.0013
1197	1e+13	NDD	0.5248	0.5235	-0.0013
1246	0	CORRELATION	0.524	0.524	0
1277	1e+13	NDD	0.5219	0.52	-0.0019
1357	0	CORRELATION	0.5224	0.522	-0.0004
1410	0	CORRELATION	0.5239	0.5242	0.0003
1437	0	CORRELATION	0.5262	0.526	-0.0002

NDD vs Post - Pre Exposure Delta

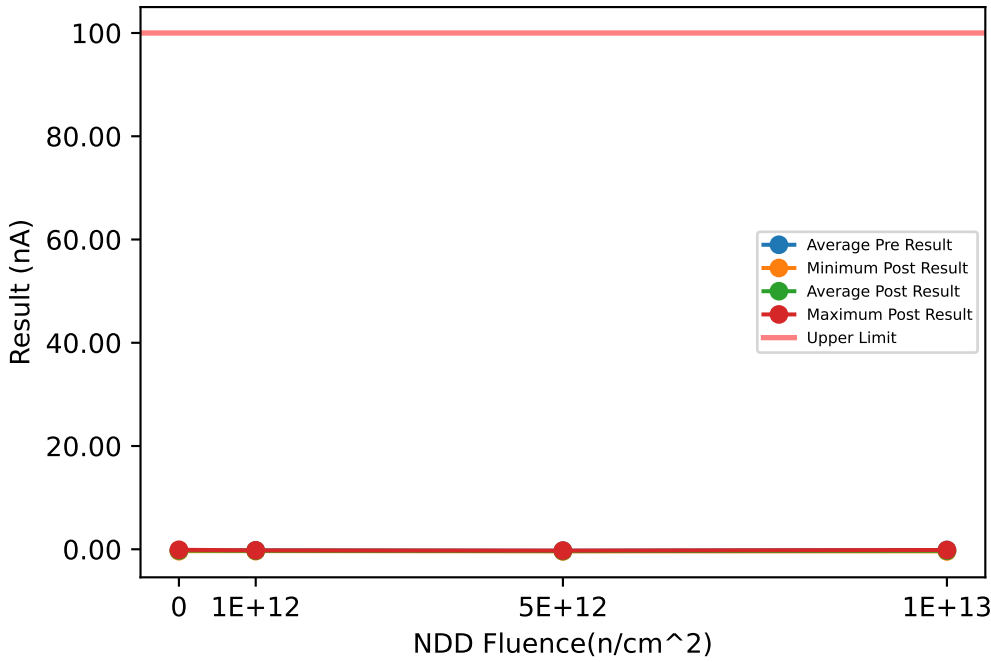


Test Statistics (V)

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	0.5224	0.52412	0.5262	0.001565	0.522	0.52405	0.526	0.0016361	-0.0004	-7.5e-05	0.0003	0.00029861
1e+12	0.5214	0.52315	0.5243	0.0013128	0.5214	0.52285	0.524	0.0013503	-0.0009	-0.0003	0	0.00042426
5e+12	0.5241	0.5256	0.5273	0.0016872	0.5234	0.52465	0.526	0.0012477	-0.0014	-0.00095	-0.0004	0.00047958
1e+13	0.5219	0.52408	0.5255	0.0015586	0.52	0.52243	0.5235	0.001646	-0.0021	-0.00165	-0.0013	0.00041231

Device Test: 16.13 LEAK|EN_LEAK/EN/14/14/0/0/5/500kHz//@I_EN_LEAK_1V

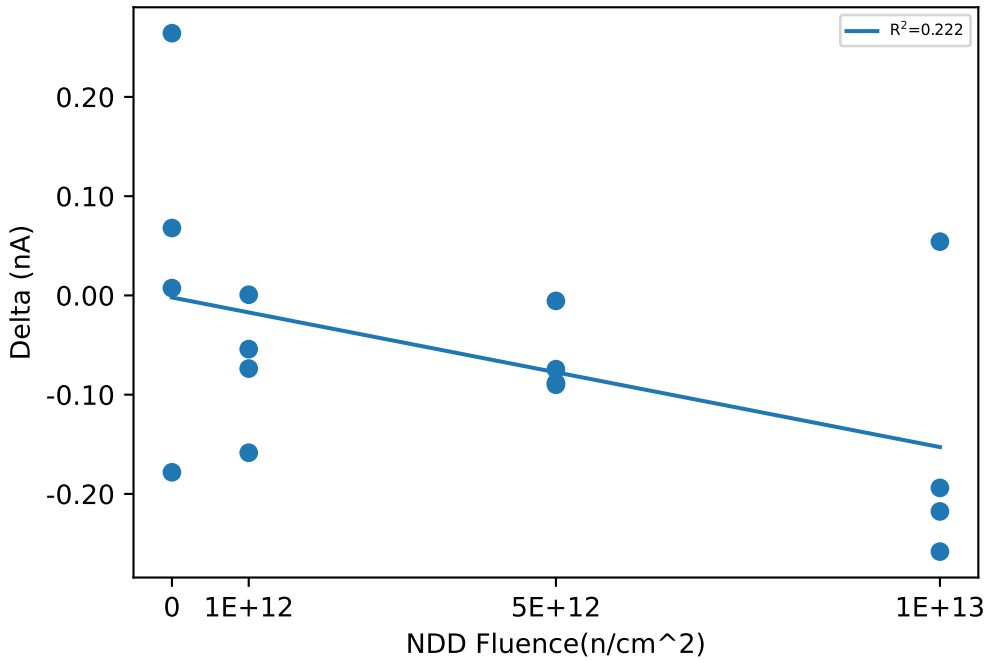
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.201	-0.3595	-0.1585
489	1e+12	NDD	-0.2423	-0.316	-0.0737
583	1e+12	NDD	-0.2228	-0.2769	-0.0541
594	1e+12	NDD	-0.2041	-0.2034	0.0007
624	5e+12	NDD	-0.3744	-0.3799	-0.0055
839	5e+12	NDD	-0.1605	-0.2505	-0.09
919	5e+12	NDD	-0.3369	-0.4112	-0.0743
938	5e+12	NDD	-0.2557	-0.3439	-0.0882
988	1e+13	NDD	-0.1924	-0.1382	0.0542
1176	1e+13	NDD	-0.2173	-0.4112	-0.1939
1197	1e+13	NDD	-0.145	-0.3626	-0.2176
1246	0	CORRELATION	-0.1955	-0.3737	-0.1782
1277	1e+13	NDD	-0.0143	-0.2724	-0.2581
1357	0	CORRELATION	-0.2454	-0.238	0.0074
1410	0	CORRELATION	-0.3213	-0.2534	0.0679
1437	0	CORRELATION	-0.3619	-0.0977	0.2642

NDD vs Post - Pre Exposure Delta

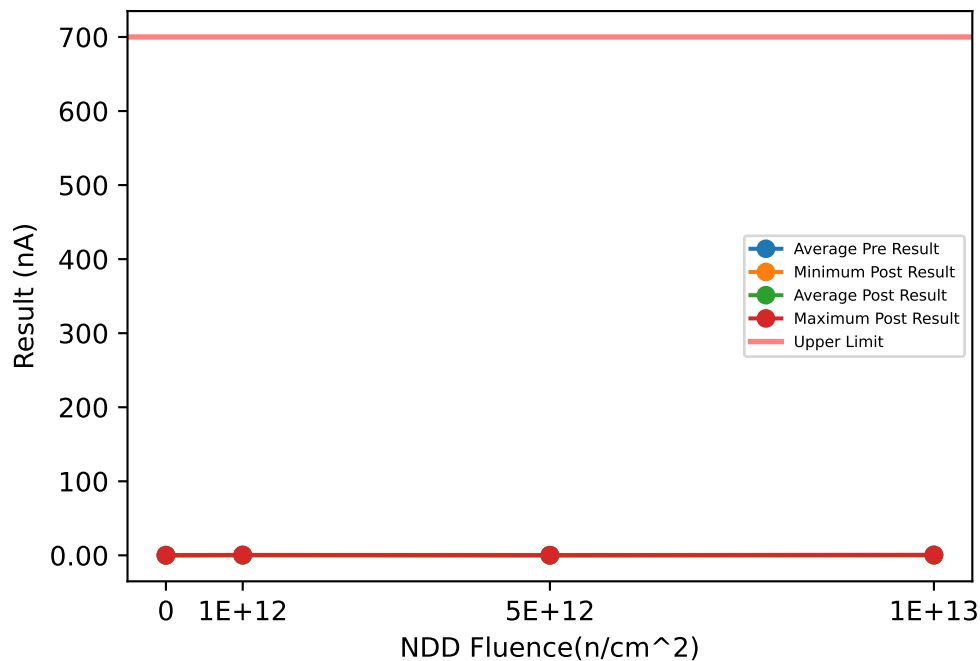


Test Statistics (nA)

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	-0.3619	-0.28102	-0.1955	0.074714	-0.3737	-0.2407	-0.0977	0.113	-0.1782	0.040325	0.2642	0.18232
1e+12	-0.2423	-0.21755	-0.201	0.019104	-0.3595	-0.28895	-0.2034	0.066265	-0.1585	-0.0714	0.0007	0.066054
5e+12	-0.3744	-0.28187	-0.1605	0.094878	-0.4112	-0.34637	-0.2505	0.069581	-0.09	-0.0645	-0.0055	0.039954
1e+13	-0.2173	-0.14225	-0.0143	0.090418	-0.4112	-0.2961	-0.1382	0.11995	-0.2581	-0.15385	0.0542	0.14121

Device Test: 16.14 LEAK|EN_LEAK/EN/14/14/0/0/5/500kHz//@I_EN_LEAK

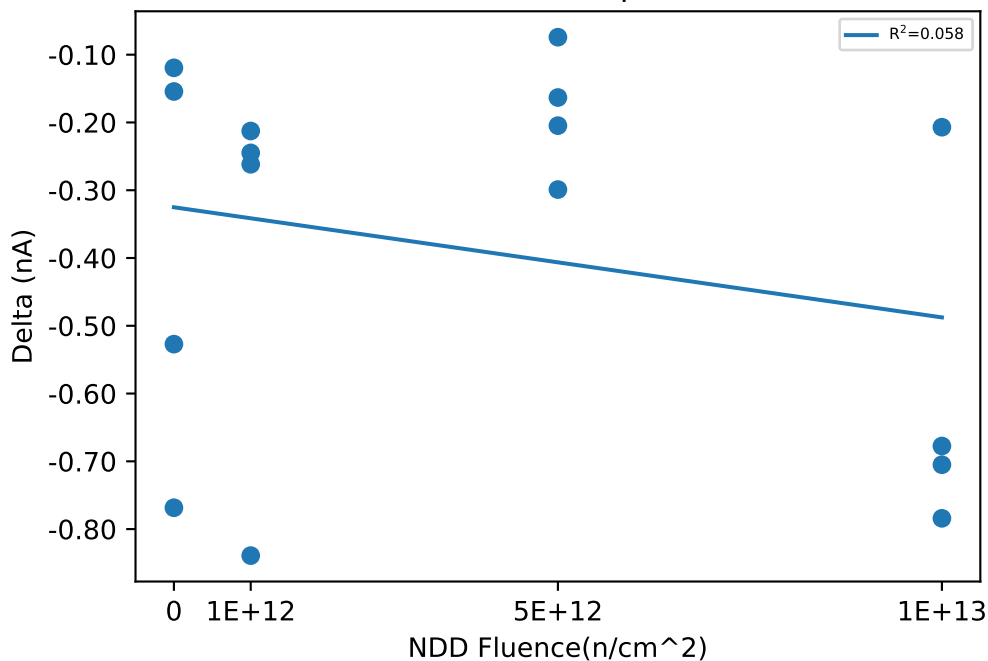
NDD vs Result Stats



Test Results (Upper Limit = 700.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.2038	-0.0411	-0.2449
489	1e+12	NDD	0.8163	-0.0228	-0.8391
583	1e+12	NDD	0.3564	0.0947	-0.2617
594	1e+12	NDD	0.6802	0.4676	-0.2126
624	5e+12	NDD	0.2688	-0.0302	-0.299
839	5e+12	NDD	0.2505	0.0458	-0.2047
919	5e+12	NDD	0.2563	0.1821	-0.0742
938	5e+12	NDD	0.2875	0.1243	-0.1632
988	1e+13	NDD	0.7664	0.0614	-0.705
1176	1e+13	NDD	0.7882	0.0041	-0.7841
1197	1e+13	NDD	0.4093	0.2023	-0.207
1246	0	CORRELATION	0.6852	-0.0833	-0.7685
1277	1e+13	NDD	1.0787	0.4013	-0.6774
1357	0	CORRELATION	0.6134	0.0863	-0.5271
1410	0	CORRELATION	0.122	0.0026	-0.1194
1437	0	CORRELATION	0.2219	0.0676	-0.1543

NDD vs Post - Pre Exposure Delta

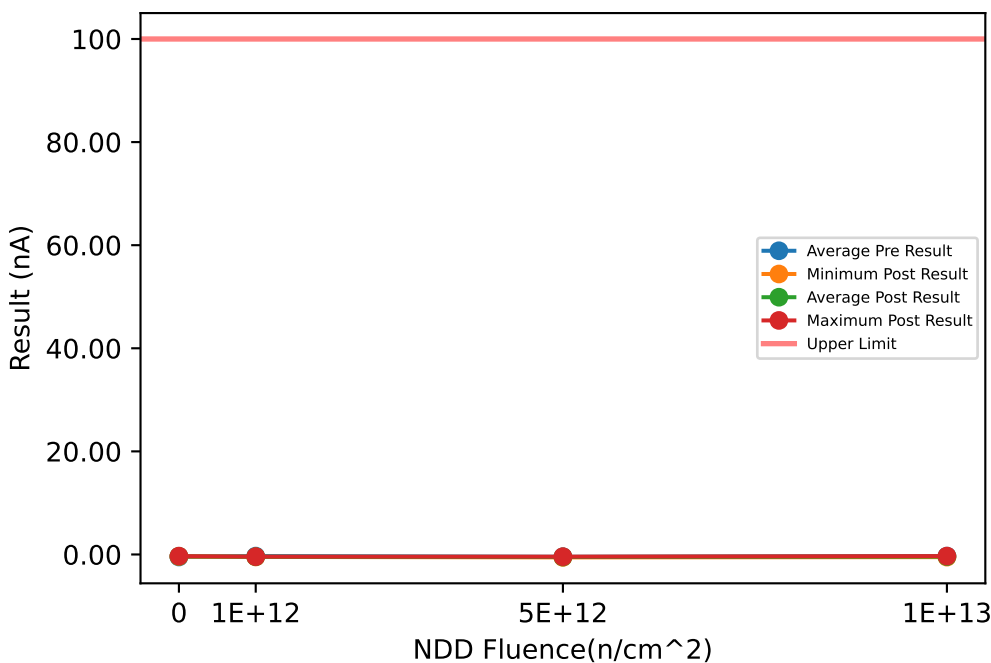


Test Statistics (nA)

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	0.122	0.41063	0.6852	0.28014	-0.0833	0.0183	0.0863	0.076645	-0.7685	-0.39232	-0.1194	0.31135
1e+12	0.2038	0.51418	0.8163	0.28288	-0.0411	0.1246	0.4676	0.23645	-0.8391	-0.38958	-0.2126	0.30038
5e+12	0.2505	0.26577	0.2875	0.016373	-0.0302	0.0805	0.1821	0.092556	-0.299	-0.18527	-0.0742	0.093338
1e+13	0.4093	0.76065	1.0787	0.2741	0.0041	0.16728	0.4013	0.17685	-0.7841	-0.59337	-0.207	0.26152

Device Test: 16.15 LEAK|EN_LEAK/EN/14/14/0/1000/5/500kHz//@I_EN_LEAK_1V

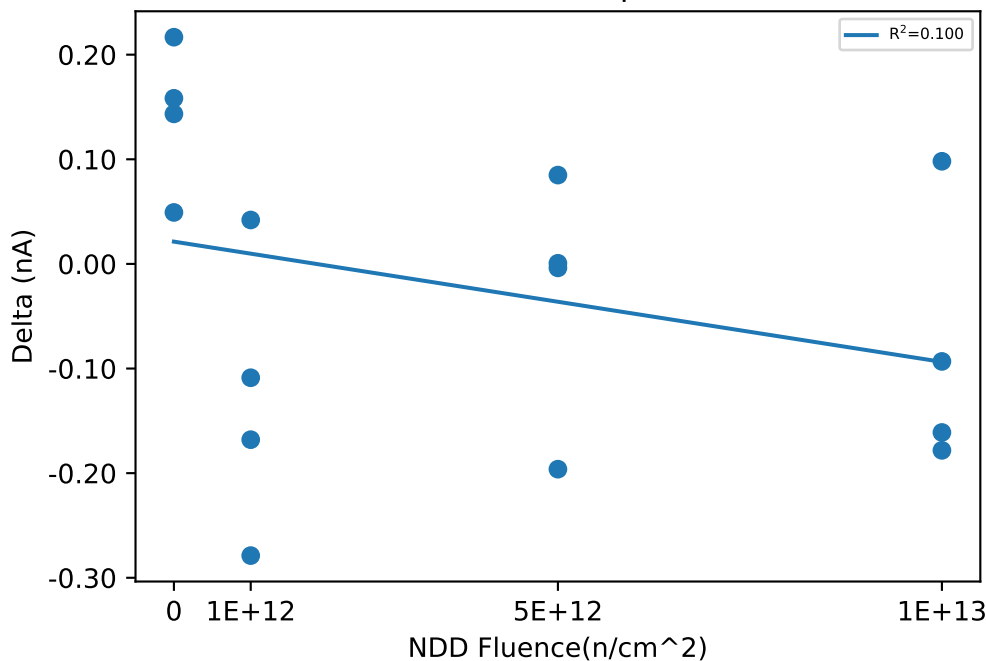
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.2602	-0.4282	-0.168
489	1e+12	NDD	-0.4859	-0.4439	0.042
583	1e+12	NDD	-0.1979	-0.4767	-0.2788
594	1e+12	NDD	-0.31	-0.4188	-0.1088
624	5e+12	NDD	-0.5804	-0.4955	0.0849
839	5e+12	NDD	-0.2259	-0.4221	-0.1962
919	5e+12	NDD	-0.5679	-0.5673	0.0006
938	5e+12	NDD	-0.4493	-0.4531	-0.0038
988	1e+13	NDD	-0.411	-0.3129	0.0981
1176	1e+13	NDD	-0.336	-0.5142	-0.1782
1197	1e+13	NDD	-0.3038	-0.397	-0.0932
1246	0	CORRELATION	-0.4703	-0.3269	0.1434
1277	1e+13	NDD	-0.2423	-0.4034	-0.1611
1357	0	CORRELATION	-0.539	-0.3223	0.2167
1410	0	CORRELATION	-0.3806	-0.3314	0.0492
1437	0	CORRELATION	-0.5679	-0.4096	0.1583

NDD vs Post - Pre Exposure Delta

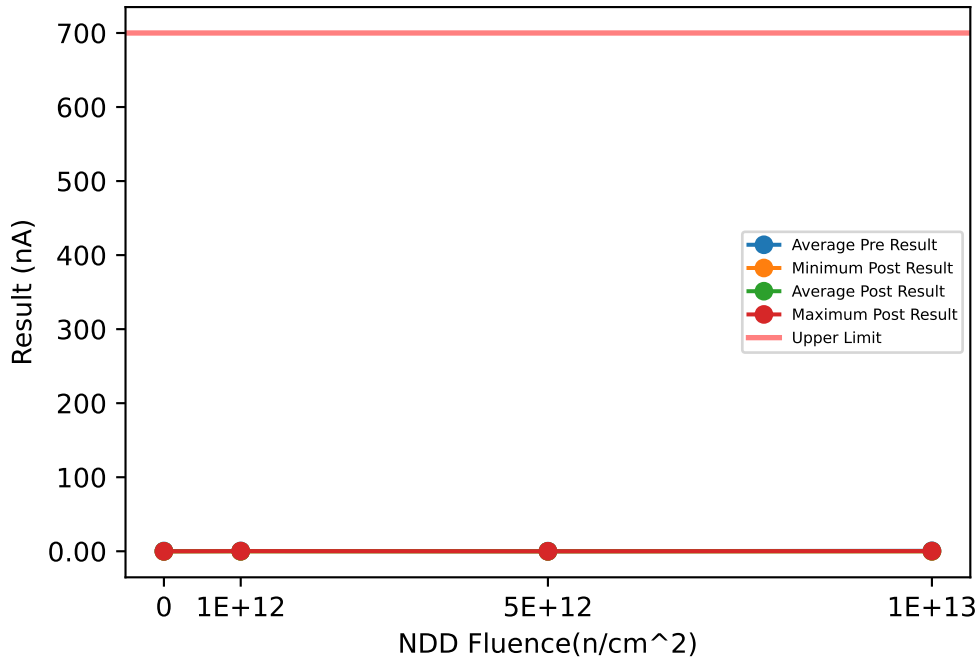


Test Statistics (nA)

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	-0.5679	-0.48945	-0.3806	0.083316	-0.4096	-0.34755	-0.3223	0.041533	0.0492	0.1419	0.2167	0.069425
1e+12	-0.4859	-0.3135	-0.1979	0.12374	-0.4767	-0.4419	-0.4188	0.025406	-0.2788	-0.1284	0.042	0.13368
5e+12	-0.5804	-0.45587	-0.2259	0.1643	-0.5673	-0.4845	-0.4221	0.062866	-0.1962	-0.028625	0.0849	0.11894
1e+13	-0.411	-0.32327	-0.2423	0.070223	-0.5142	-0.40687	-0.3129	0.082582	-0.1782	-0.0836	0.0981	0.12657

Device Test: 16.16 LEAK|EN_LEAK/EN/14/14/0/1000/5/500kHz//@I_EN_LEAK

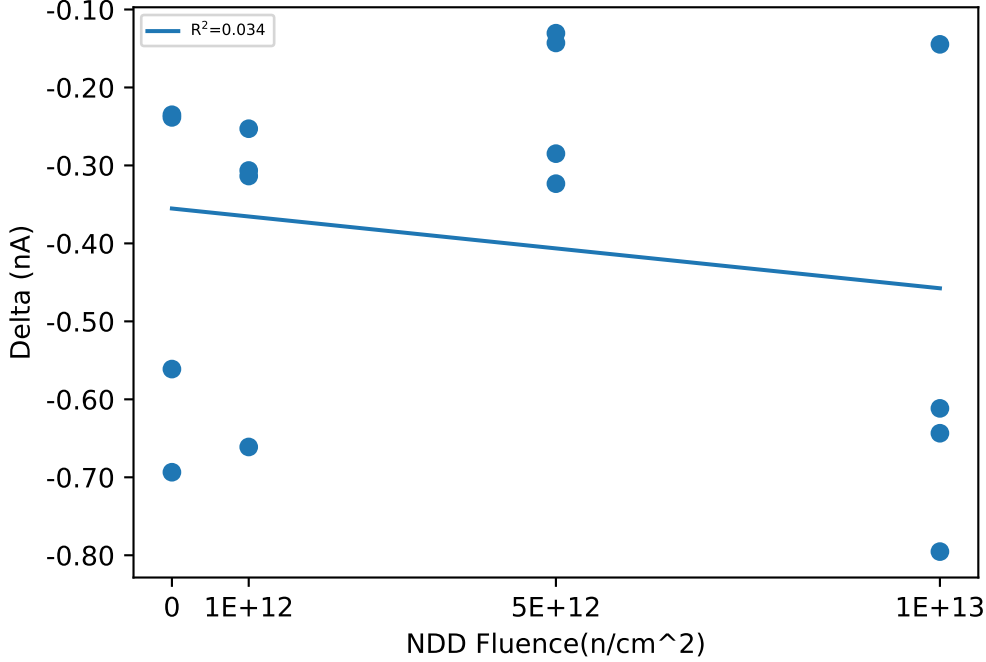
NDD vs Result Stats



Test Results (Upper Limit = 700.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.2069	-0.1067	-0.3136
489	1e+12	NDD	0.5665	-0.0946	-0.6611
583	1e+12	NDD	0.1509	-0.102	-0.2529
594	1e+12	NDD	0.5432	0.2367	-0.3065
624	5e+12	NDD	0.1283	-0.0021	-0.1304
839	5e+12	NDD	0.1446	-0.1788	-0.3234
919	5e+12	NDD	0.0908	-0.0521	-0.1429
938	5e+12	NDD	0.2188	-0.0661	-0.2849
988	1e+13	NDD	0.6352	-0.1601	-0.7953
1176	1e+13	NDD	0.5384	-0.1051	-0.6435
1197	1e+13	NDD	0.3408	0.1961	-0.1447
1246	0	CORRELATION	0.604	-0.0895	-0.6935
1277	1e+13	NDD	0.8975	0.2859	-0.6116
1357	0	CORRELATION	0.4541	-0.1071	-0.5612
1410	0	CORRELATION	0.2126	-0.0224	-0.235
1437	0	CORRELATION	0.0877	-0.1507	-0.2384

NDD vs Post - Pre Exposure Delta

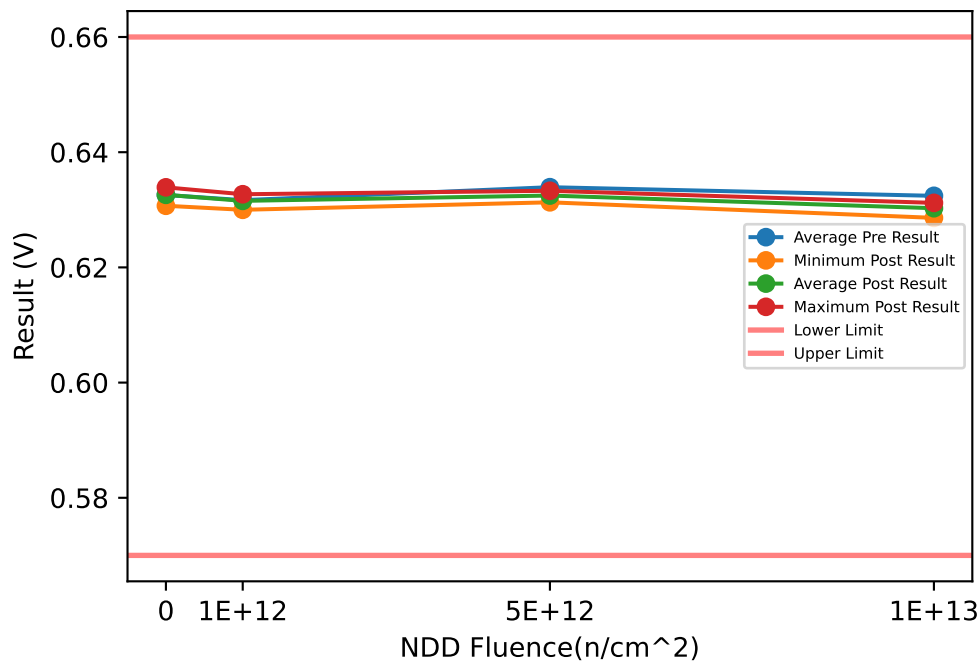


Test Statistics (nA)

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	0.0877	0.3396	0.604	0.23281	-0.1507	-0.092425	-0.0224	0.053302	-0.6935	-0.43202	-0.235	0.23192
1e+12	0.1509	0.36688	0.5665	0.21846	-0.1067	-0.01665	0.2367	0.16897	-0.6611	-0.38353	-0.2529	0.18702
5e+12	0.0908	0.14563	0.2188	0.053733	-0.1788	-0.074775	-0.0021	0.074593	-0.3234	-0.2204	-0.1304	0.098108
1e+13	0.3408	0.60298	0.8975	0.23144	-0.1601	0.0542	0.2859	0.21994	-0.7953	-0.54878	-0.1447	0.28105

Device Test: 16.17 LEVEL|EN_RISE/EN/8/8/0/0/5/500kHz//@V_EN_RISE

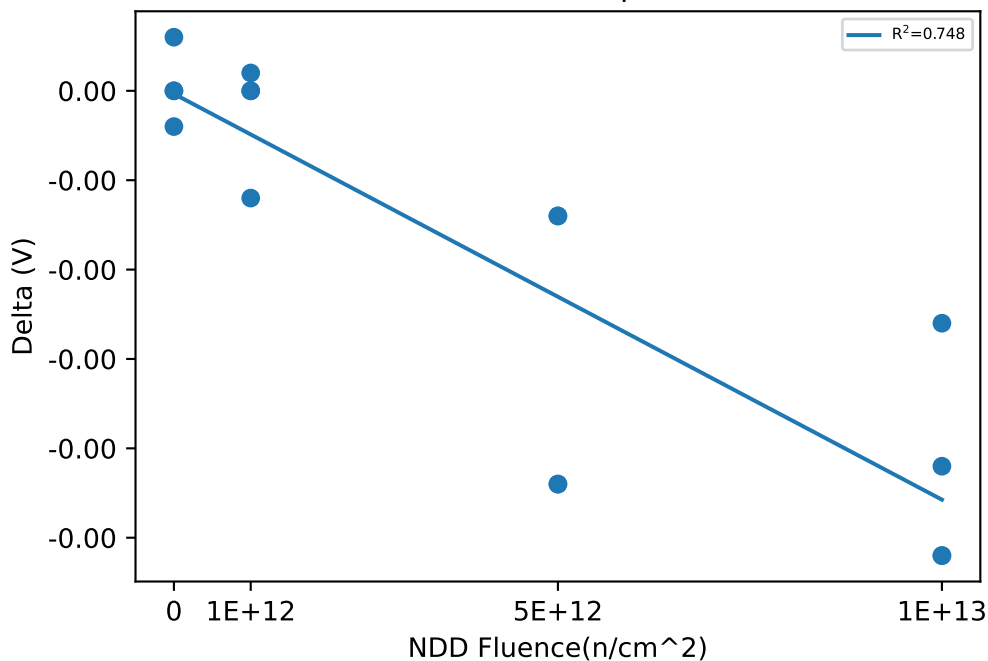
NDD vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.6306	0.63	-0.0006
489	1e+12	NDD	0.6307	0.6308	0.0001
583	1e+12	NDD	0.6327	0.6327	0
594	1e+12	NDD	0.6327	0.6327	0
624	5e+12	NDD	0.632	0.6313	-0.0007
839	5e+12	NDD	0.6355	0.6333	-0.0022
919	5e+12	NDD	0.6355	0.6333	-0.0022
938	5e+12	NDD	0.6327	0.632	-0.0007
988	1e+13	NDD	0.6333	0.6307	-0.0026
1176	1e+13	NDD	0.6327	0.6306	-0.0021
1197	1e+13	NDD	0.6325	0.6312	-0.0013
1246	0	CORRELATION	0.6326	0.6326	0
1277	1e+13	NDD	0.6312	0.6286	-0.0026
1357	0	CORRELATION	0.6304	0.6307	0.0003
1410	0	CORRELATION	0.6332	0.6332	0
1437	0	CORRELATION	0.6341	0.6339	-0.0002

NDD vs Post - Pre Exposure Delta

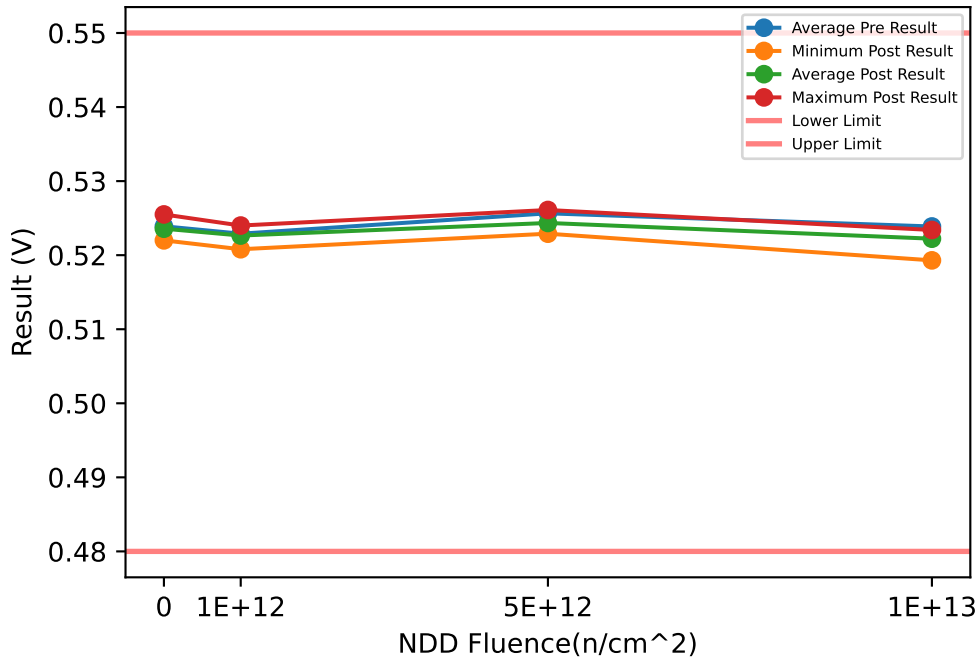


Test Statistics (V)

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	0.6304	0.63257	0.6341	0.0015756	0.6307	0.6326	0.6339	0.0013736	-0.0002	2.5e-05	0.0003	0.00020616
1e+12	0.6306	0.63167	0.6327	0.0011843	0.63	0.63155	0.6327	0.0013675	-0.0006	-0.000125	0.0001	0.00032016
5e+12	0.632	0.63392	0.6355	0.001841	0.6313	0.63248	0.6333	0.00099457	-0.0022	-0.00145	-0.0007	0.00086603
1e+13	0.6312	0.63243	0.6333	0.00088459	0.6286	0.63028	0.6312	0.0011471	-0.0026	-0.00215	-0.0013	0.00061373

Device Test: 16.18 LEVEL|EN_FALL/EN/8/8/0/0/5/500kHz//@V_EN_FALL

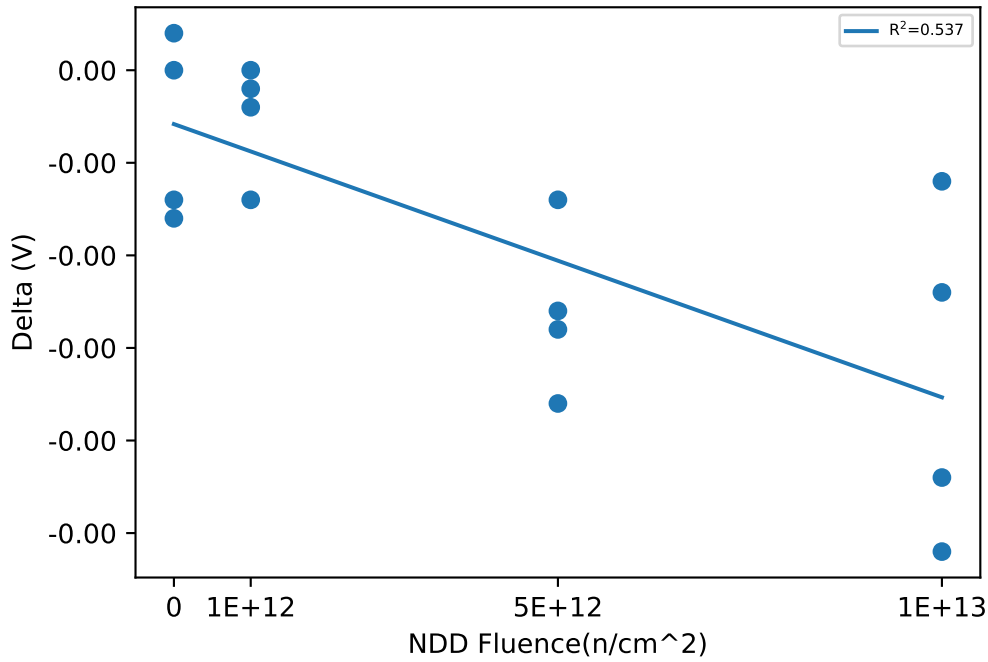
NDD vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.5215	0.5208	-0.0007
489	1e+12	NDD	0.5219	0.5219	0
583	1e+12	NDD	0.5241	0.524	-0.0001
594	1e+12	NDD	0.5241	0.5239	-0.0002
624	5e+12	NDD	0.5242	0.5229	-0.0013
839	5e+12	NDD	0.5275	0.5261	-0.0014
919	5e+12	NDD	0.5267	0.5249	-0.0018
938	5e+12	NDD	0.5242	0.5235	-0.0007
988	1e+13	NDD	0.5256	0.5234	-0.0022
1176	1e+13	NDD	0.524	0.5228	-0.0012
1197	1e+13	NDD	0.524	0.5234	-0.0006
1246	0	CORRELATION	0.5241	0.5234	-0.0007
1277	1e+13	NDD	0.5219	0.5193	-0.0026
1357	0	CORRELATION	0.522	0.522	0
1410	0	CORRELATION	0.5242	0.5234	-0.0008
1437	0	CORRELATION	0.5253	0.5255	0.0002

NDD vs Post - Pre Exposure Delta

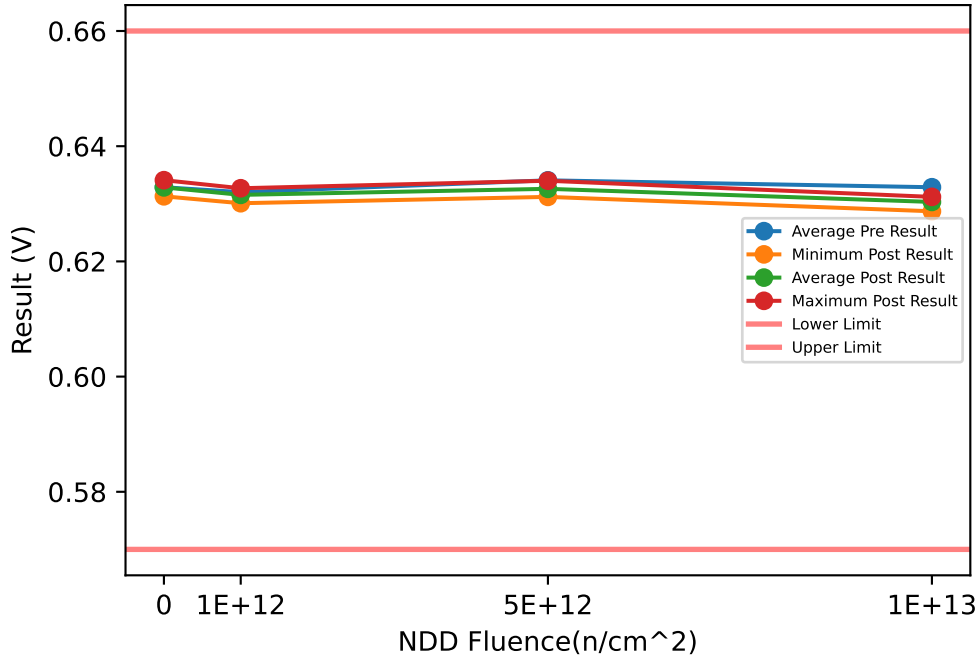


Test Statistics (V)

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	0.522	0.5239	0.5253	0.0013784	0.522	0.52358	0.5255	0.0014431	-0.0008	-0.000325	0.0002	0.00049917
1e+12	0.5215	0.5229	0.5241	0.0013952	0.5208	0.52265	0.524	0.0015674	-0.0007	-0.00025	0	0.00031091
5e+12	0.5242	0.52565	0.5275	0.0017059	0.5229	0.52435	0.5261	0.0014364	-0.0018	-0.0013	-0.0007	0.00045461
1e+13	0.5219	0.52387	0.5256	0.0015174	0.5193	0.52222	0.5234	0.0019704	-0.0026	-0.00165	-0.0006	0.00091469

Device Test: 16.7 LEVEL|EN_RISE/EN/12/12/0/0/5/500kHz//@V_EN_RISE

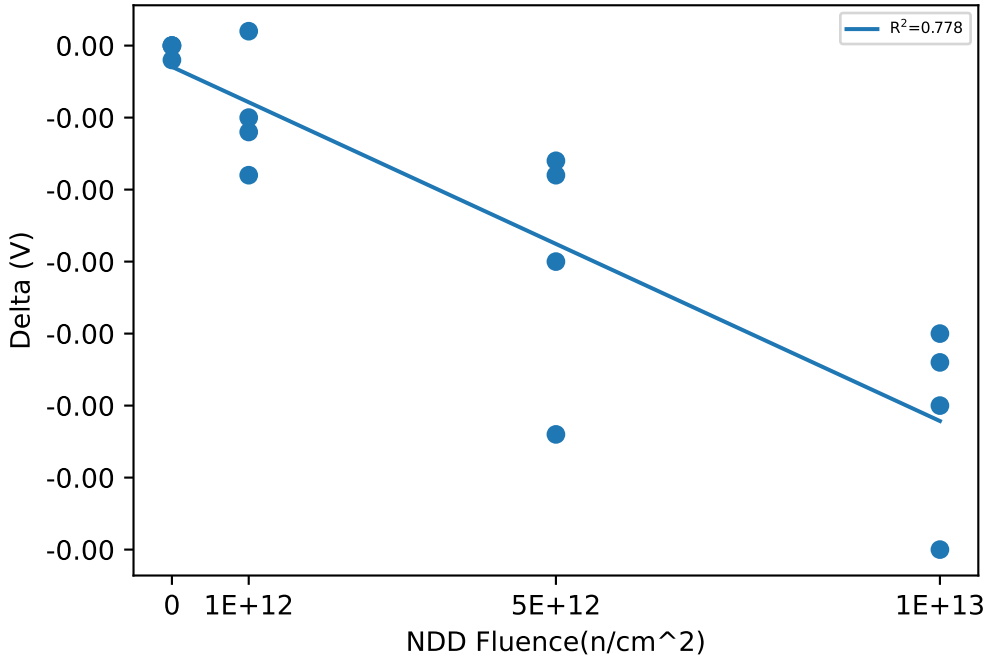
NDD vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.6306	0.6301	-0.0005
489	1e+12	NDD	0.6313	0.6307	-0.0006
583	1e+12	NDD	0.6326	0.6327	0.0001
594	1e+12	NDD	0.6336	0.6327	-0.0009
624	5e+12	NDD	0.632	0.6312	-0.0008
839	5e+12	NDD	0.6361	0.6334	-0.0027
919	5e+12	NDD	0.6355	0.634	-0.0015
938	5e+12	NDD	0.6327	0.6318	-0.0009
988	1e+13	NDD	0.6342	0.6307	-0.0035
1176	1e+13	NDD	0.6327	0.6307	-0.002
1197	1e+13	NDD	0.6334	0.6312	-0.0022
1246	0	CORRELATION	0.6327	0.6327	0
1277	1e+13	NDD	0.6312	0.6287	-0.0025
1357	0	CORRELATION	0.6313	0.6313	0
1410	0	CORRELATION	0.6333	0.6333	0
1437	0	CORRELATION	0.6342	0.6341	-0.0001

NDD vs Post - Pre Exposure Delta

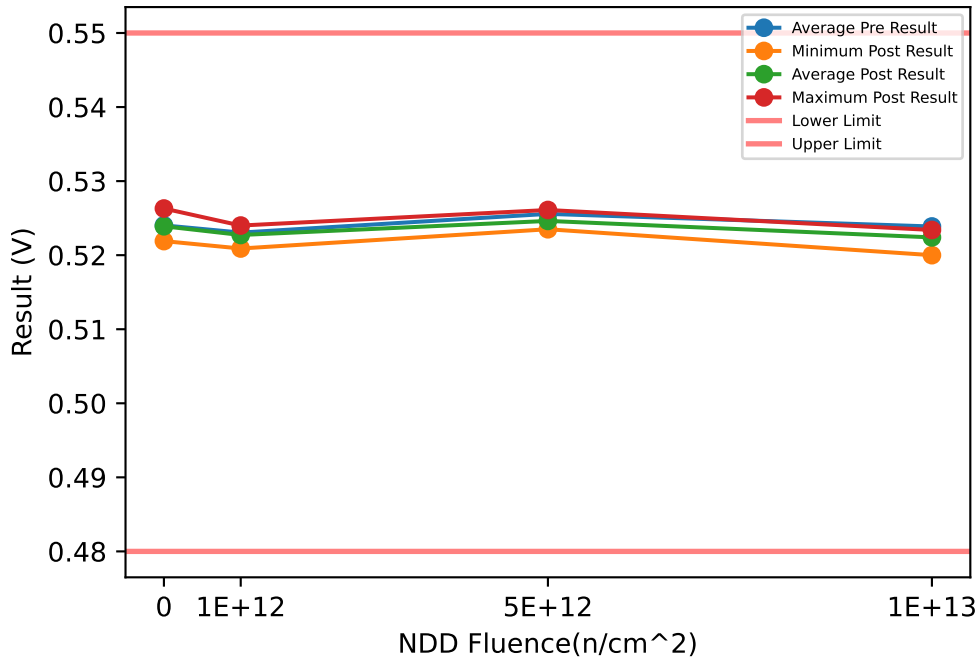


Test Statistics (V)

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	0.6313	0.63287	0.6342	0.0012176	0.6313	0.63285	0.6341	0.0011818	-0.0001	-2.5e-05	0	5e-05
1e+12	0.6306	0.63203	0.6336	0.0013376	0.6301	0.63155	0.6327	0.0013503	-0.0009	-0.000475	0.0001	0.00041932
5e+12	0.632	0.63407	0.6361	0.0020271	0.6312	0.6326	0.634	0.0013166	-0.0027	-0.001475	-0.0008	0.00087321
1e+13	0.6312	0.63287	0.6342	0.0012738	0.6287	0.63033	0.6312	0.0011087	-0.0035	-0.00255	-0.002	0.00066583

Device Test: 16.8 LEVEL|EN_FALL/EN/12/12/0/0/5/500kHz//@V_EN_FALL

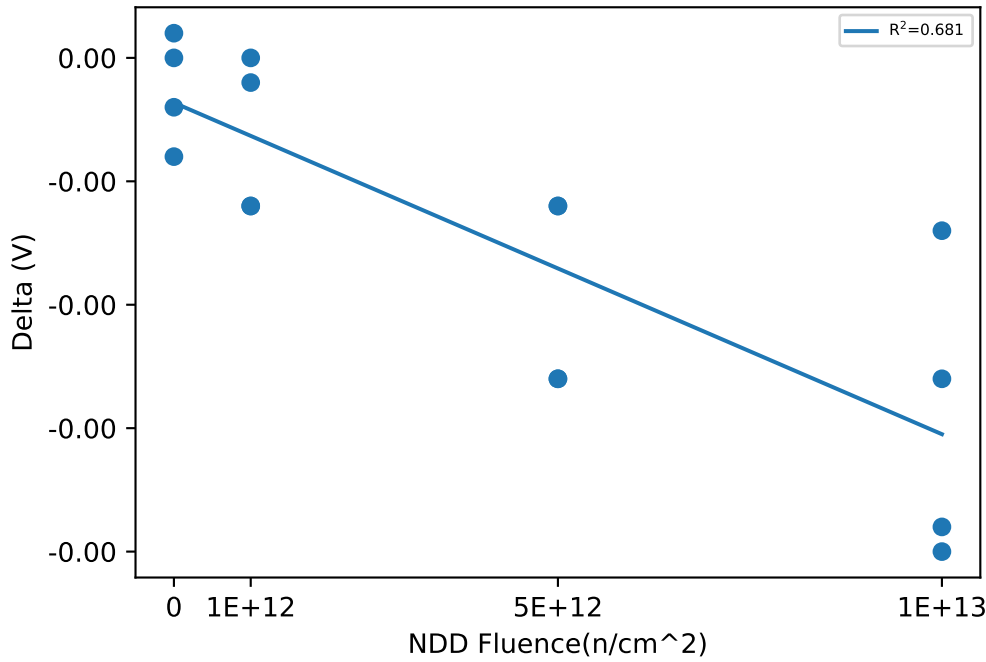
NDD vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.5215	0.5209	-0.0006
489	1e+12	NDD	0.5226	0.522	-0.0006
583	1e+12	NDD	0.5241	0.524	-0.0001
594	1e+12	NDD	0.524	0.524	0
624	5e+12	NDD	0.5241	0.5235	-0.0006
839	5e+12	NDD	0.5274	0.5261	-0.0013
919	5e+12	NDD	0.5267	0.5254	-0.0013
938	5e+12	NDD	0.5241	0.5235	-0.0006
988	1e+13	NDD	0.5254	0.5234	-0.002
1176	1e+13	NDD	0.5241	0.5228	-0.0013
1197	1e+13	NDD	0.5241	0.5234	-0.0007
1246	0	CORRELATION	0.5239	0.5237	-0.0002
1277	1e+13	NDD	0.5219	0.52	-0.0019
1357	0	CORRELATION	0.5219	0.5219	0
1410	0	CORRELATION	0.5241	0.5237	-0.0004
1437	0	CORRELATION	0.5262	0.5263	0.0001

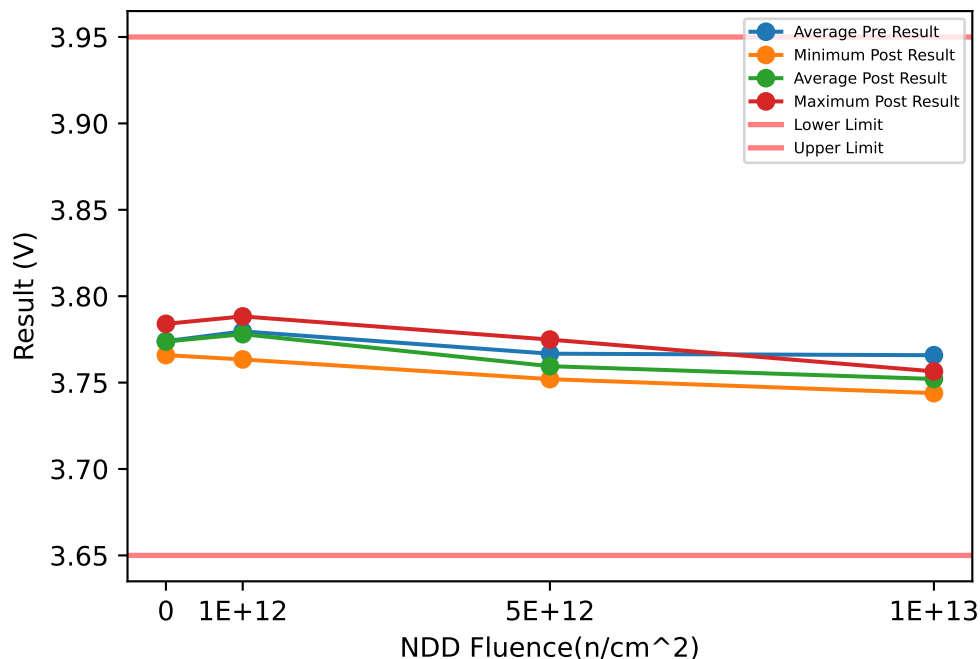
NDD vs Post - Pre Exposure Delta



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	0.5219	0.52402	0.5262	0.0017576	0.5219	0.5239	0.5263	0.0018111	-0.0004	-0.000125	0.0001	0.00022174
1e+12	0.5215	0.52305	0.5241	0.0012396	0.5209	0.52272	0.524	0.0015392	-0.0006	-0.000325	0	0.00032016
5e+12	0.5241	0.52558	0.5274	0.001727	0.5235	0.52463	0.5261	0.0013301	-0.0013	-0.00095	-0.0006	0.00040415
1e+13	0.5219	0.52387	0.5254	0.0014523	0.52	0.5224	0.5234	0.0016248	-0.002	-0.001475	-0.0007	0.00060208

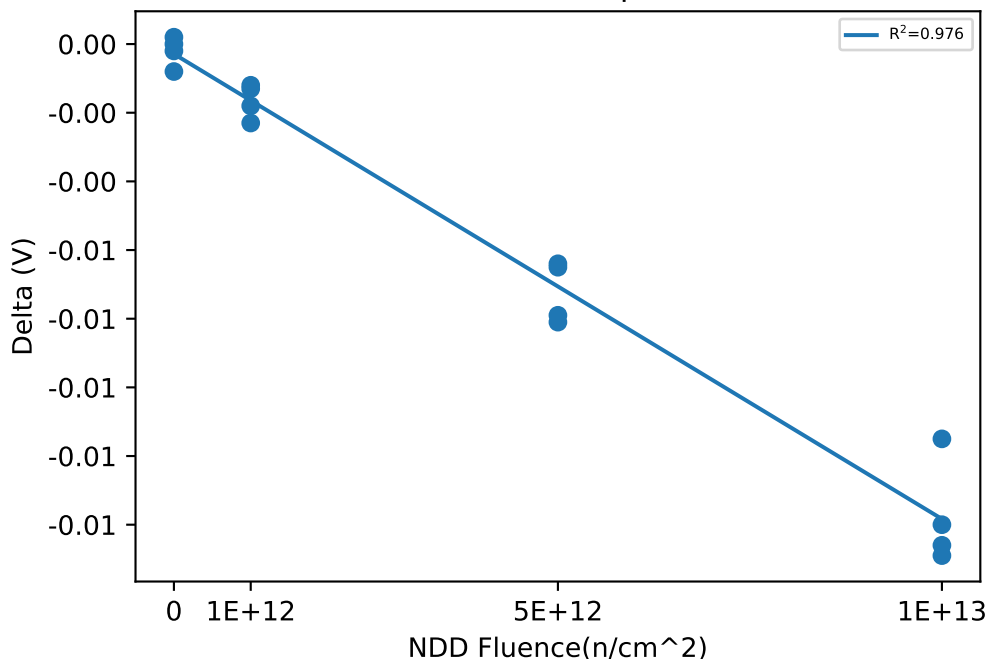
NDD vs Result Stats



Test Results (Lower Limit = 3.65, Upper Limit = 3.95 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	3.7766	3.7748	-0.0018
489	1e+12	NDD	3.7867	3.7855	-0.0012
583	1e+12	NDD	3.7647	3.7634	-0.0013
594	1e+12	NDD	3.7906	3.7883	-0.0023
624	5e+12	NDD	3.7652	3.7587	-0.0065
839	5e+12	NDD	3.7588	3.7524	-0.0064
919	5e+12	NDD	3.783	3.7749	-0.0081
938	5e+12	NDD	3.7599	3.752	-0.0079
988	1e+13	NDD	3.7708	3.7559	-0.0149
1176	1e+13	NDD	3.7636	3.7521	-0.0115
1197	1e+13	NDD	3.7579	3.7439	-0.014
1246	0	CORRELATION	3.7686	3.7684	-0.0002
1277	1e+13	NDD	3.7711	3.7565	-0.0146
1357	0	CORRELATION	3.7667	3.7659	-0.0008
1410	0	CORRELATION	3.7765	3.7767	0.0002
1437	0	CORRELATION	3.784	3.784	0

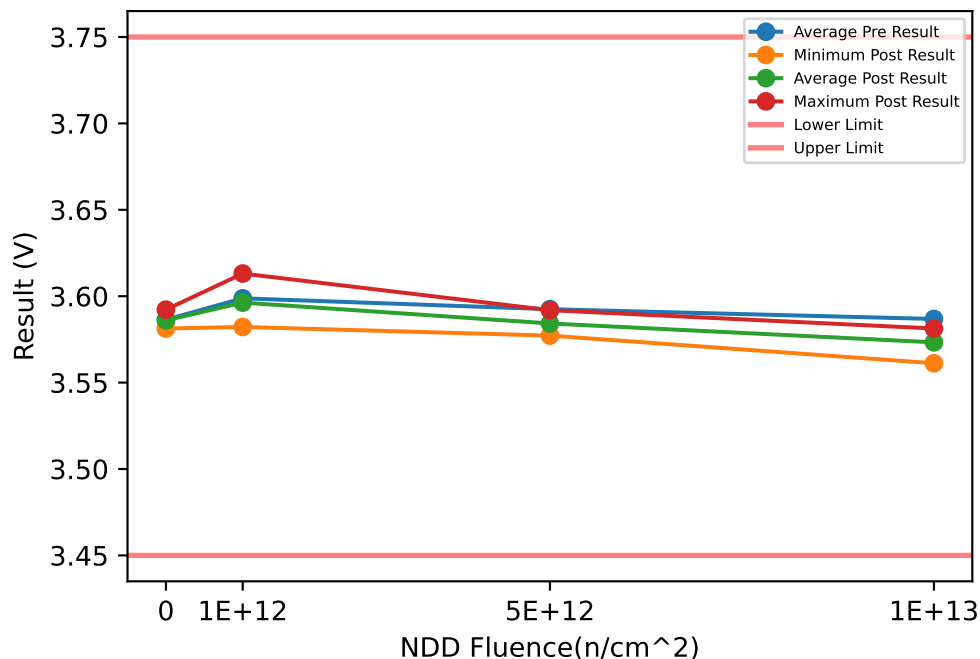
NDD vs Post - Pre Exposure Delta



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	3.7667	3.774	3.784	0.0079307	3.7659	3.7737	3.784	0.0082464	-0.0008	-0.0002	0.0002	0.00043205
1e+12	3.7647	3.7797	3.7906	0.011582	3.7634	3.778	3.7883	0.011339	-0.0023	-0.00165	-0.0012	0.00050662
5e+12	3.7588	3.7667	3.783	0.011204	3.752	3.7595	3.7749	0.010715	-0.0081	-0.007225	-0.0064	0.00089954
1e+13	3.7579	3.7658	3.7711	0.0063332	3.7439	3.7521	3.7565	0.0058034	-0.0149	-0.01375	-0.0115	0.001546

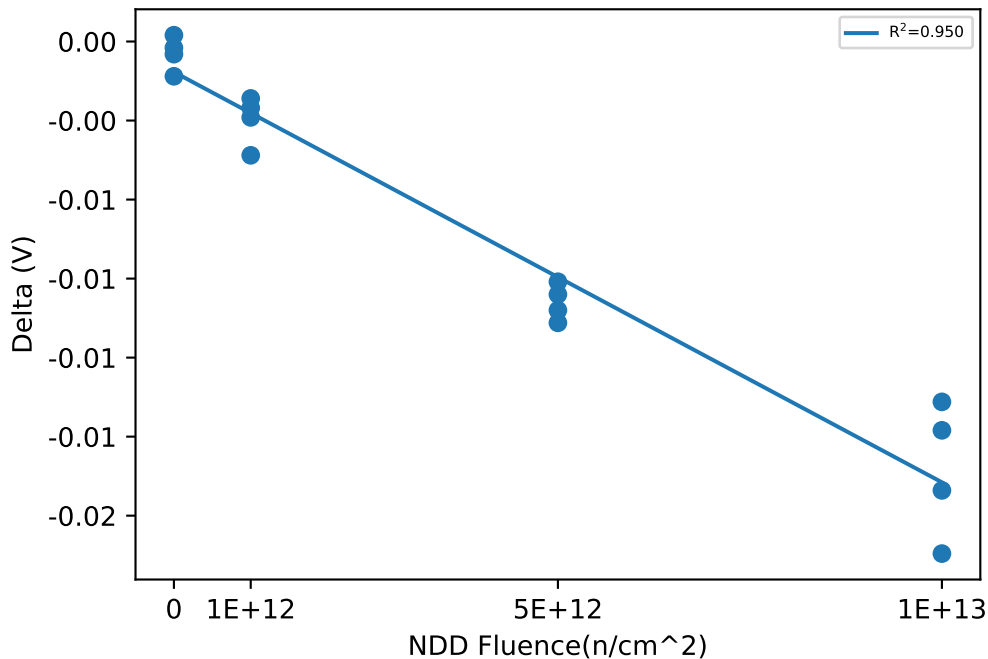
NDD vs Result Stats



Test Results (Lower Limit = 3.45, Upper Limit = 3.75 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	3.5927	3.5903	-0.0024
489	1e+12	NDD	3.6152	3.6131	-0.0021
583	1e+12	NDD	3.5858	3.5822	-0.0036
594	1e+12	NDD	3.6014	3.5996	-0.0018
624	5e+12	NDD	3.5857	3.5772	-0.0085
839	5e+12	NDD	3.5924	3.5835	-0.0089
919	5e+12	NDD	3.5995	3.5919	-0.0076
938	5e+12	NDD	3.5923	3.5843	-0.008
988	1e+13	NDD	3.5864	3.5741	-0.0123
1176	1e+13	NDD	3.588	3.5766	-0.0114
1197	1e+13	NDD	3.5774	3.5612	-0.0162
1246	0	CORRELATION	3.5811	3.5813	0.0002
1277	1e+13	NDD	3.5955	3.5813	-0.0142
1357	0	CORRELATION	3.5833	3.5822	-0.0011
1410	0	CORRELATION	3.5886	3.5884	-0.0002
1437	0	CORRELATION	3.5926	3.5922	-0.0004

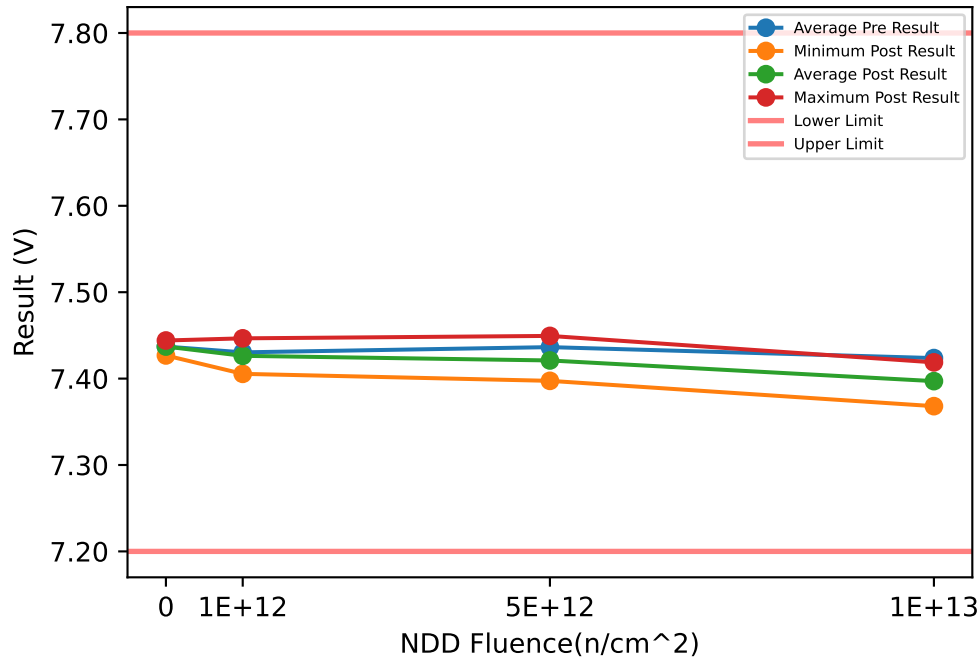
NDD vs Post - Pre Exposure Delta



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	3.5811	3.5864	3.5926	0.0051955	3.5813	3.586	3.5922	0.0051874	-0.0011	-0.000375	0.0002	0.00054391
1e+12	3.5858	3.5988	3.6152	0.012674	3.5822	3.5963	3.6131	0.013266	-0.0036	-0.002475	-0.0018	0.00078899
5e+12	3.5857	3.5925	3.5995	0.0056358	3.5772	3.5842	3.5919	0.0060218	-0.0089	-0.00825	-0.0076	0.00056862
1e+13	3.5774	3.5868	3.5955	0.0074307	3.5612	3.5733	3.5813	0.0086012	-0.0162	-0.013525	-0.0114	0.0021313

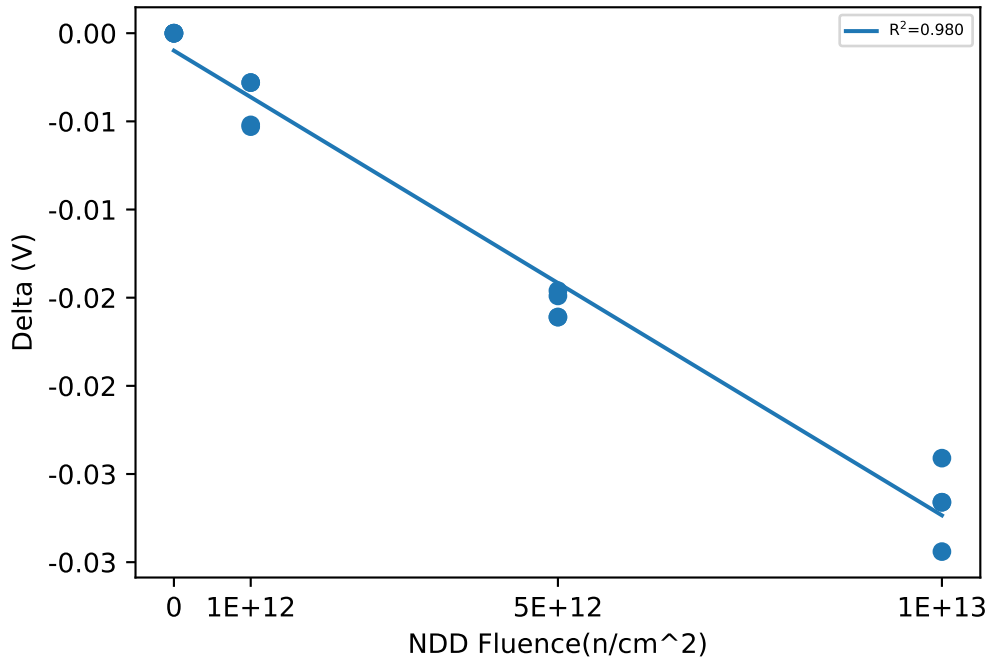
NDD vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.4519	7.4466	-0.0053
489	1e+12	NDD	7.4107	7.4055	-0.0052
583	1e+12	NDD	7.4361	7.4333	-0.0028
594	1e+12	NDD	7.4228	7.42	-0.0028
624	5e+12	NDD	7.412	7.3974	-0.0146
839	5e+12	NDD	7.4361	7.42	-0.0161
919	5e+12	NDD	7.4655	7.4494	-0.0161
938	5e+12	NDD	7.4321	7.4172	-0.0149
988	1e+13	NDD	7.4188	7.3894	-0.0294
1176	1e+13	NDD	7.4361	7.412	-0.0241
1197	1e+13	NDD	7.3947	7.3681	-0.0266
1246	0	CORRELATION	7.4401	7.4401	0
1277	1e+13	NDD	7.4454	7.4188	-0.0266
1357	0	CORRELATION	7.4268	7.4268	0
1410	0	CORRELATION	7.4373	7.4373	0
1437	0	CORRELATION	7.4441	7.4441	0

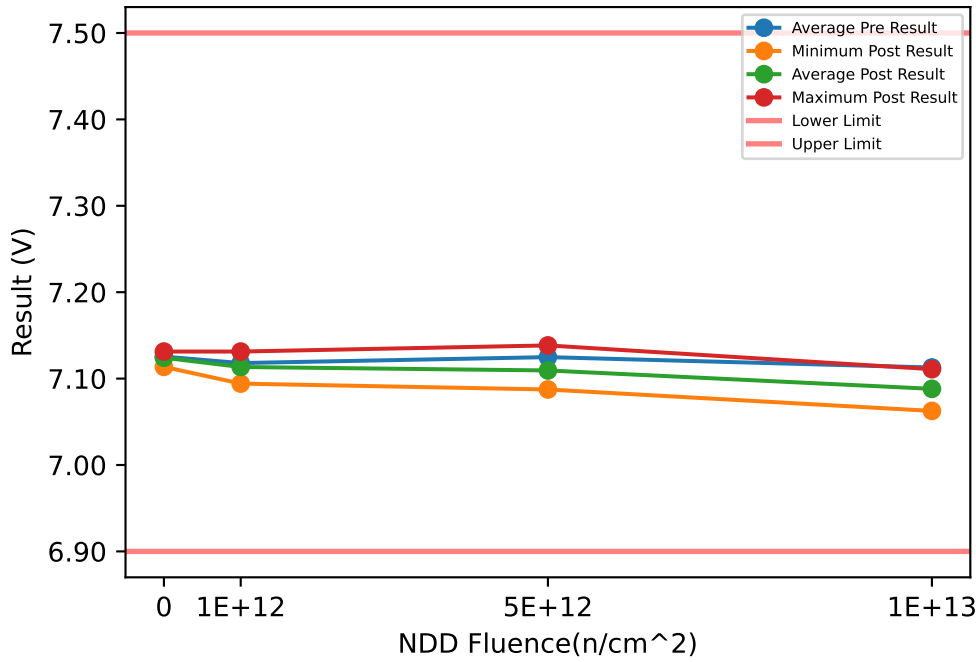
NDD vs Post - Pre Exposure Delta



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	7.4268	7.4371	7.4441	0.0073966	7.4268	7.4371	7.4441	0.0073966	0	0	0	0
1e+12	7.4107	7.4304	7.4519	0.017707	7.4055	7.4264	7.4466	0.017639	-0.0053	-0.004025	-0.0028	0.0014151
5e+12	7.412	7.4364	7.4655	0.022066	7.3974	7.421	7.4494	0.02144	-0.0161	-0.015425	-0.0146	0.00078899
1e+13	7.3947	7.4238	7.4454	0.022283	7.3681	7.3971	7.4188	0.023045	-0.0294	-0.026675	-0.0241	0.0021654

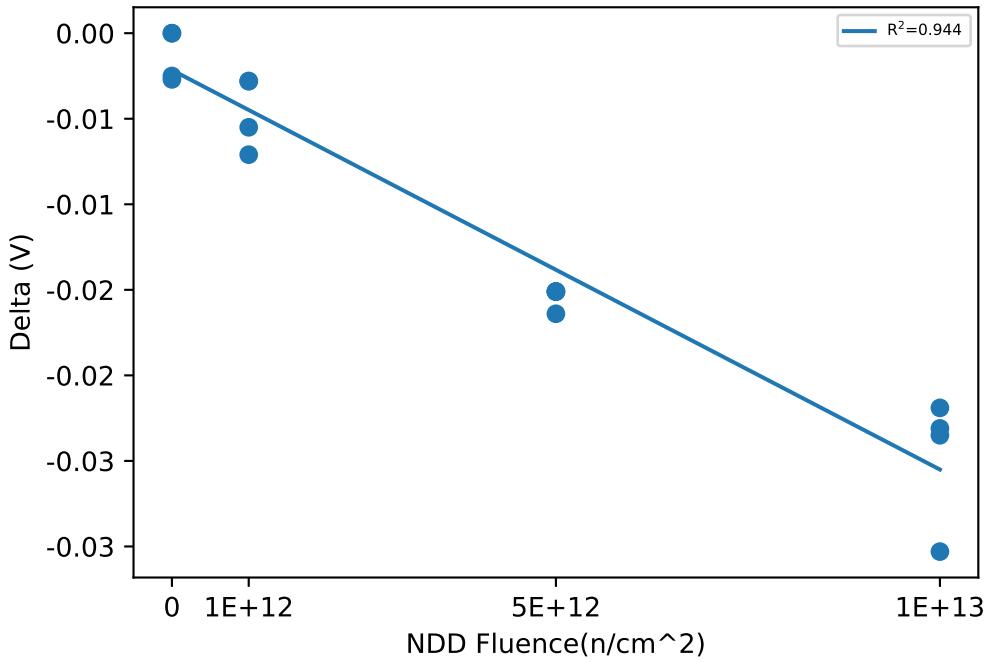
NDD vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.1384	7.1313	-0.0071
489	1e+12	NDD	7.0997	7.0942	-0.0055
583	1e+12	NDD	7.1217	7.1189	-0.0028
594	1e+12	NDD	7.1121	7.1093	-0.0028
624	5e+12	NDD	7.1025	7.0874	-0.0151
839	5e+12	NDD	7.1245	7.1081	-0.0164
919	5e+12	NDD	7.1535	7.1384	-0.0151
938	5e+12	NDD	7.1189	7.1038	-0.0151
988	1e+13	NDD	7.1081	7.0778	-0.0303
1176	1e+13	NDD	7.1232	7.1013	-0.0219
1197	1e+13	NDD	7.0861	7.0626	-0.0235
1246	0	CORRELATION	7.1285	7.1285	0
1277	1e+13	NDD	7.134	7.1109	-0.0231
1357	0	CORRELATION	7.1161	7.1136	-0.0025
1410	0	CORRELATION	7.1232	7.1232	0
1437	0	CORRELATION	7.134	7.1313	-0.0027

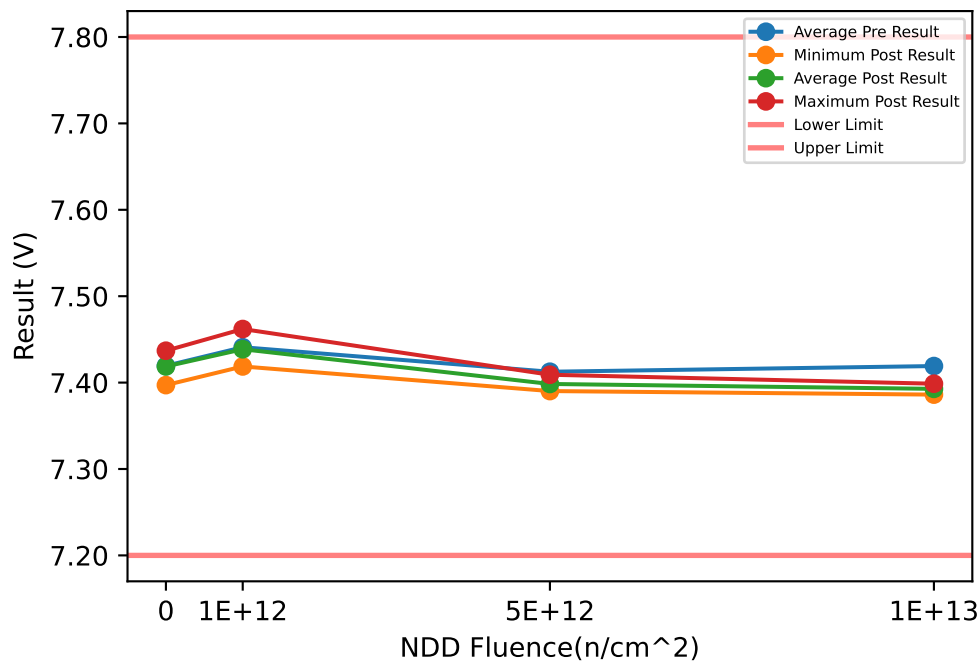
NDD vs Post - Pre Exposure Delta



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	7.1161	7.1254	7.134	0.0076352	7.1136	7.1242	7.1313	0.0077942	-0.0027	-0.0013	0	0.0015033
1e+12	7.0997	7.118	7.1384	0.016325	7.0942	7.1134	7.1313	0.015664	-0.0071	-0.00455	-0.0028	0.0021237
5e+12	7.1025	7.1249	7.1535	0.021259	7.0874	7.1094	7.1384	0.021276	-0.0164	-0.015425	-0.0151	0.00065
1e+13	7.0861	7.1128	7.134	0.020757	7.0626	7.0881	7.1109	0.021988	-0.0303	-0.0247	-0.0219	0.0037947

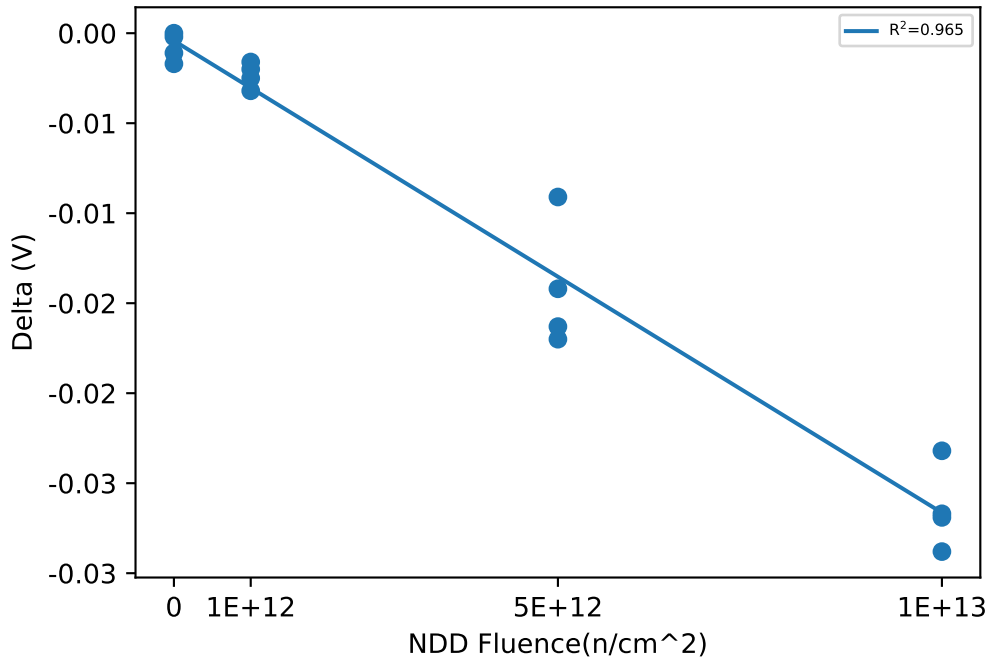
NDD vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.4207	7.4187	-0.002
489	1e+12	NDD	7.4636	7.462	-0.0016
583	1e+12	NDD	7.4475	7.445	-0.0025
594	1e+12	NDD	7.4319	7.4287	-0.0032
624	5e+12	NDD	7.4182	7.4091	-0.0091
839	5e+12	NDD	7.4072	7.3902	-0.017
919	5e+12	NDD	7.4145	7.3982	-0.0163
938	5e+12	NDD	7.4104	7.3962	-0.0142
988	1e+13	NDD	7.4149	7.3861	-0.0288
1176	1e+13	NDD	7.4199	7.3932	-0.0267
1197	1e+13	NDD	7.4219	7.3987	-0.0232
1246	0	CORRELATION	7.4386	7.4369	-0.0017
1277	1e+13	NDD	7.4199	7.393	-0.0269
1357	0	CORRELATION	7.4089	7.4089	0
1410	0	CORRELATION	7.432	7.4318	-0.0002
1437	0	CORRELATION	7.3982	7.3971	-0.0011

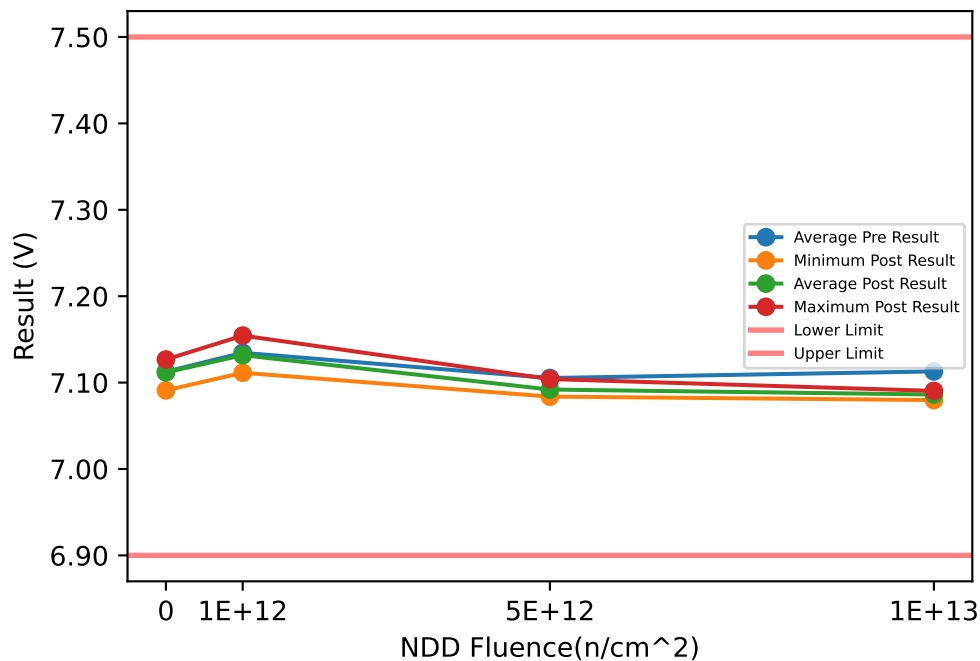
NDD vs Post - Pre Exposure Delta



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	7.3982	7.4194	7.4386	0.019036	7.3971	7.4187	7.4369	0.018845	-0.0017	-0.00075	0	0.00079373
1e+12	7.4207	7.4409	7.4636	0.018689	7.4187	7.4386	7.462	0.018996	-0.0032	-0.002325	-0.0016	0.00068981
5e+12	7.4072	7.4126	7.4182	0.0047947	7.3902	7.3984	7.4091	0.0078869	-0.017	-0.01415	-0.0091	0.0035707
1e+13	7.4149	7.4192	7.4219	0.0029861	7.3861	7.3927	7.3987	0.0051604	-0.0288	-0.0264	-0.0232	0.0023338

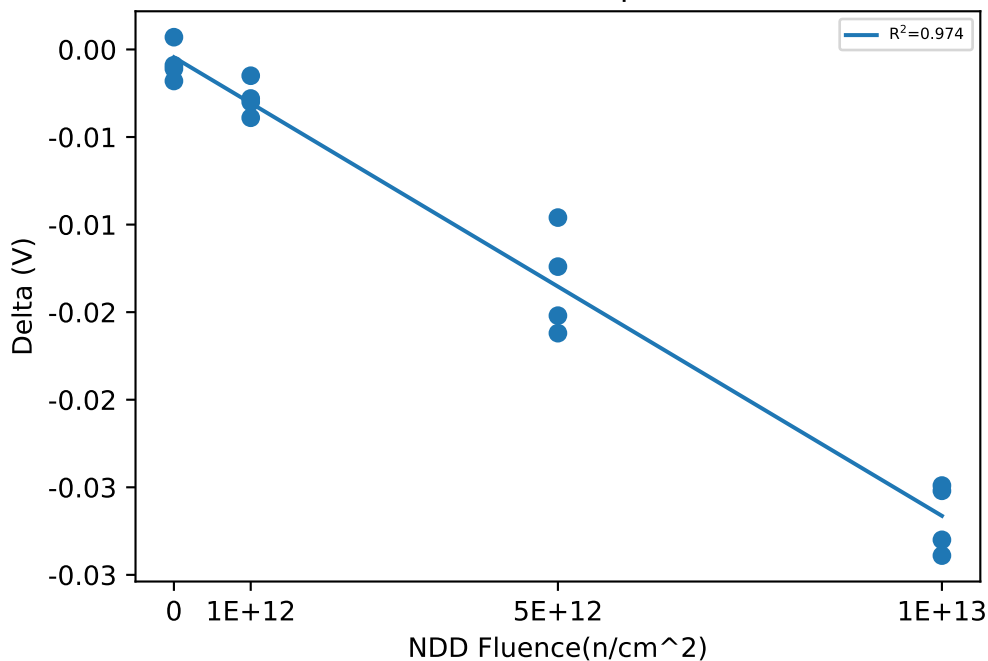
NDD vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.1153	7.1114	-0.0039
489	1e+12	NDD	7.1572	7.1544	-0.0028
583	1e+12	NDD	7.1415	7.14	-0.0015
594	1e+12	NDD	7.124	7.121	-0.003
624	5e+12	NDD	7.1137	7.1041	-0.0096
839	5e+12	NDD	7.1	7.0838	-0.0162
919	5e+12	NDD	7.1031	7.0879	-0.0152
938	5e+12	NDD	7.1044	7.092	-0.0124
988	1e+13	NDD	7.1131	7.0851	-0.028
1176	1e+13	NDD	7.105	7.0798	-0.0252
1197	1e+13	NDD	7.1153	7.0904	-0.0249
1246	0	CORRELATION	7.1256	7.1238	-0.0018
1277	1e+13	NDD	7.1184	7.0895	-0.0289
1357	0	CORRELATION	7.105	7.1057	0.0007
1410	0	CORRELATION	7.1278	7.1267	-0.0011
1437	0	CORRELATION	7.0919	7.091	-0.0009

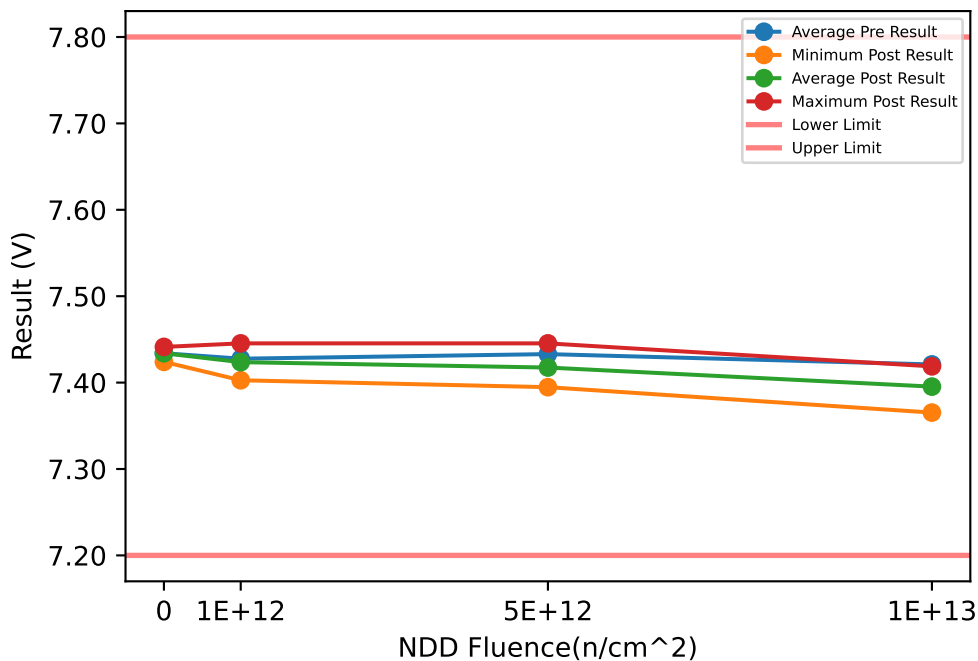
NDD vs Post - Pre Exposure Delta



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	7.0919	7.1126	7.1278	0.017188	7.091	7.1118	7.1267	0.016692	-0.0018	-0.000775	0.0007	0.0010563
1e+12	7.1153	7.1345	7.1572	0.018647	7.1114	7.1317	7.1544	0.019242	-0.0039	-0.0028	-0.0015	0.00098995
5e+12	7.1	7.1053	7.1137	0.0058963	7.0838	7.0919	7.1041	0.0087645	-0.0162	-0.01335	-0.0096	0.0029727
1e+13	7.105	7.113	7.1184	0.0057286	7.0798	7.0862	7.0904	0.0048546	-0.0289	-0.02675	-0.0249	0.0020008

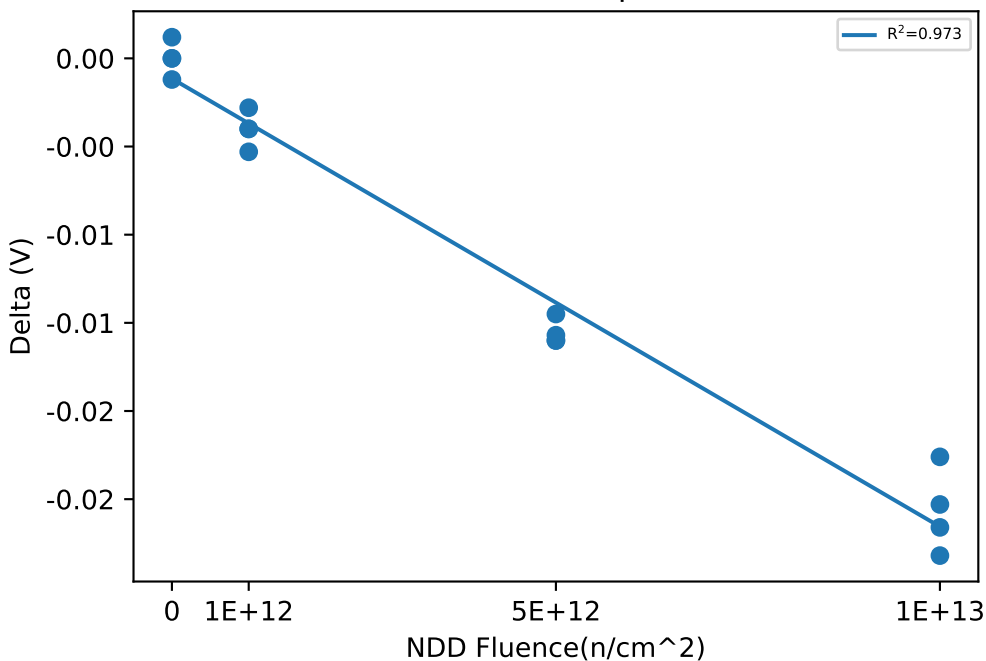
NDD vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.4494	7.4454	-0.004
489	1e+12	NDD	7.408	7.4027	-0.0053
583	1e+12	NDD	7.4333	7.4293	-0.004
594	1e+12	NDD	7.42	7.4172	-0.0028
624	5e+12	NDD	7.4107	7.3947	-0.016
839	5e+12	NDD	7.4305	7.4148	-0.0157
919	5e+12	NDD	7.4614	7.4454	-0.016
938	5e+12	NDD	7.4293	7.4148	-0.0145
988	1e+13	NDD	7.4148	7.3866	-0.0282
1176	1e+13	NDD	7.4333	7.4107	-0.0226
1197	1e+13	NDD	7.3919	7.3653	-0.0266
1246	0	CORRELATION	7.4373	7.4361	-0.0012
1277	1e+13	NDD	7.4441	7.4188	-0.0253
1357	0	CORRELATION	7.4228	7.424	0.0012
1410	0	CORRELATION	7.4345	7.4345	0
1437	0	CORRELATION	7.4413	7.4413	0

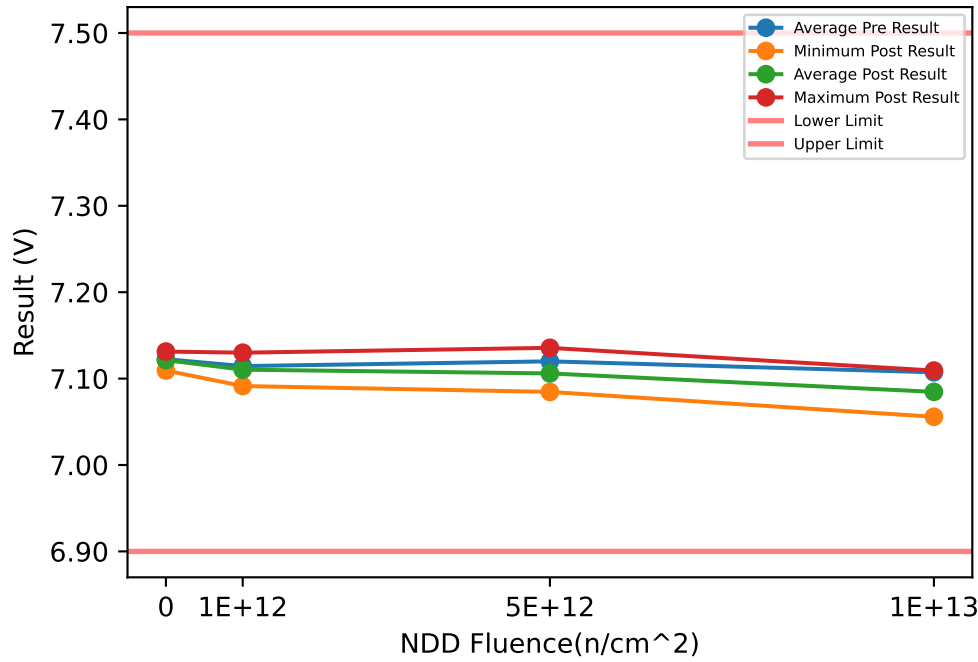
NDD vs Post - Pre Exposure Delta



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	7.4228	7.434	7.4413	0.0079554	7.424	7.434	7.4413	0.007256	-0.0012	2.2204e-16	0.0012	0.0009798
1e+12	7.408	7.4277	7.4494	0.017792	7.4027	7.4237	7.4454	0.018124	-0.0053	-0.004025	-0.0028	0.001021
5e+12	7.4107	7.433	7.4614	0.021006	7.3947	7.4174	7.4454	0.020919	-0.016	-0.01555	-0.0145	0.00071414
1e+13	7.3919	7.421	7.4441	0.022878	7.3653	7.3954	7.4188	0.024256	-0.0282	-0.025675	-0.0226	0.0023684

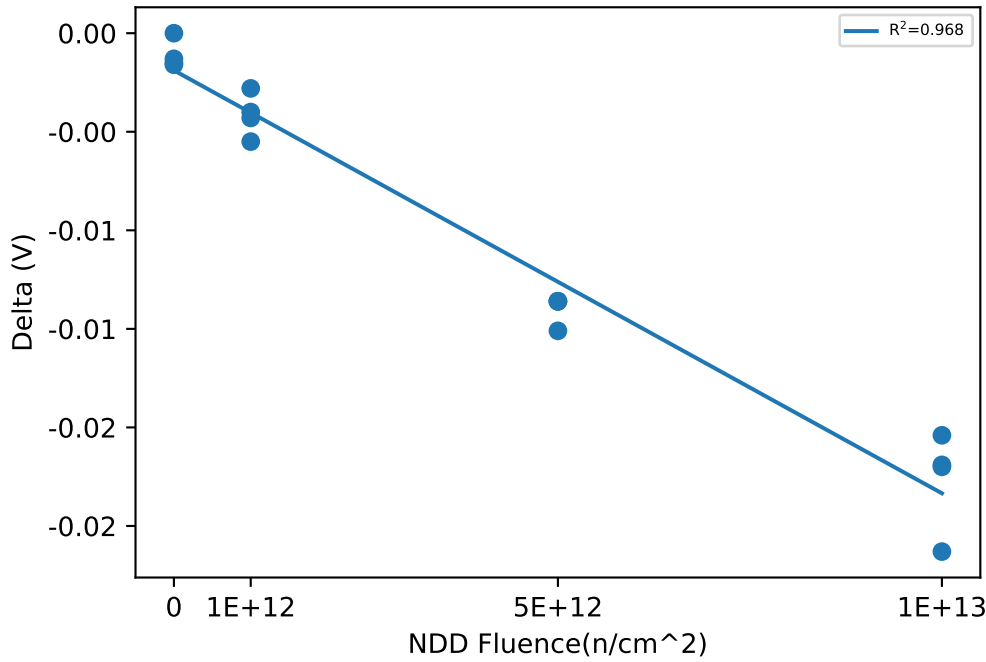
NDD vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.134	7.13	-0.004
489	1e+12	NDD	7.0957	7.0914	-0.0043
583	1e+12	NDD	7.1189	7.1161	-0.0028
594	1e+12	NDD	7.1093	7.1038	-0.0055
624	5e+12	NDD	7.0997	7.0846	-0.0151
839	5e+12	NDD	7.1161	7.1025	-0.0136
919	5e+12	NDD	7.1492	7.1356	-0.0136
938	5e+12	NDD	7.1149	7.1013	-0.0136
988	1e+13	NDD	7.1013	7.075	-0.0263
1176	1e+13	NDD	7.1204	7.0985	-0.0219
1197	1e+13	NDD	7.0762	7.0558	-0.0204
1246	0	CORRELATION	7.1245	7.1245	0
1277	1e+13	NDD	7.1313	7.1093	-0.022
1357	0	CORRELATION	7.1109	7.1093	-0.0016
1410	0	CORRELATION	7.1217	7.1204	-0.0013
1437	0	CORRELATION	7.1328	7.1313	-0.0015

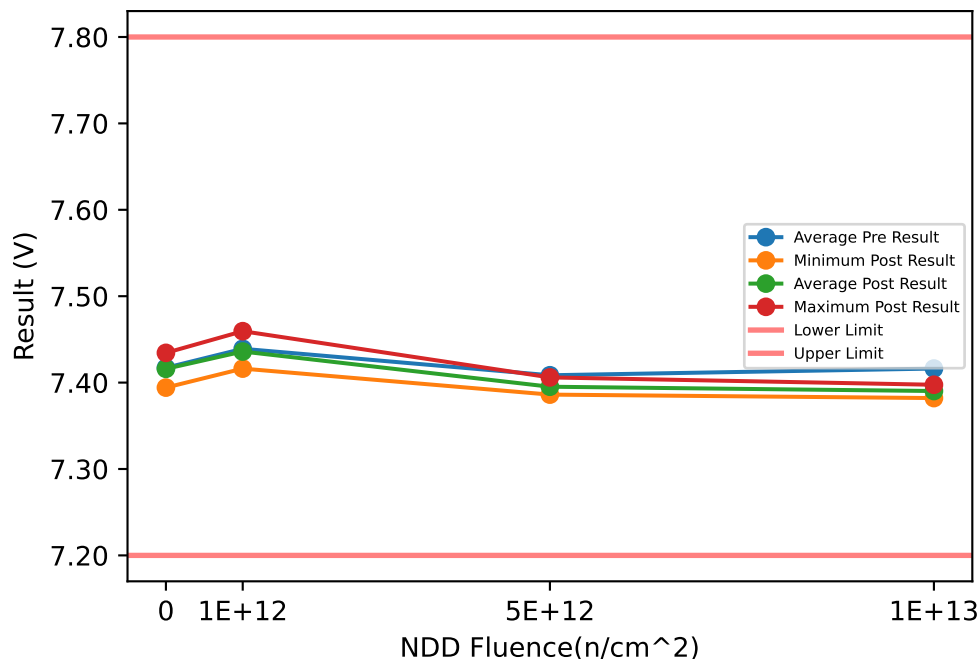
NDD vs Post - Pre Exposure Delta



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	7.1109	7.1225	7.1328	0.0090423	7.1093	7.1214	7.1313	0.00922	-0.0016	-0.0011	0	0.00074386
1e+12	7.0957	7.1145	7.134	0.016125	7.0914	7.1103	7.13	0.016545	-0.0055	-0.00415	-0.0028	0.0011091
5e+12	7.0997	7.12	7.1492	0.020864	7.0846	7.106	7.1356	0.021358	-0.0151	-0.013975	-0.0136	0.00075
1e+13	7.0762	7.1073	7.1313	0.024158	7.0558	7.0846	7.1093	0.023978	-0.0263	-0.02265	-0.0204	0.002541

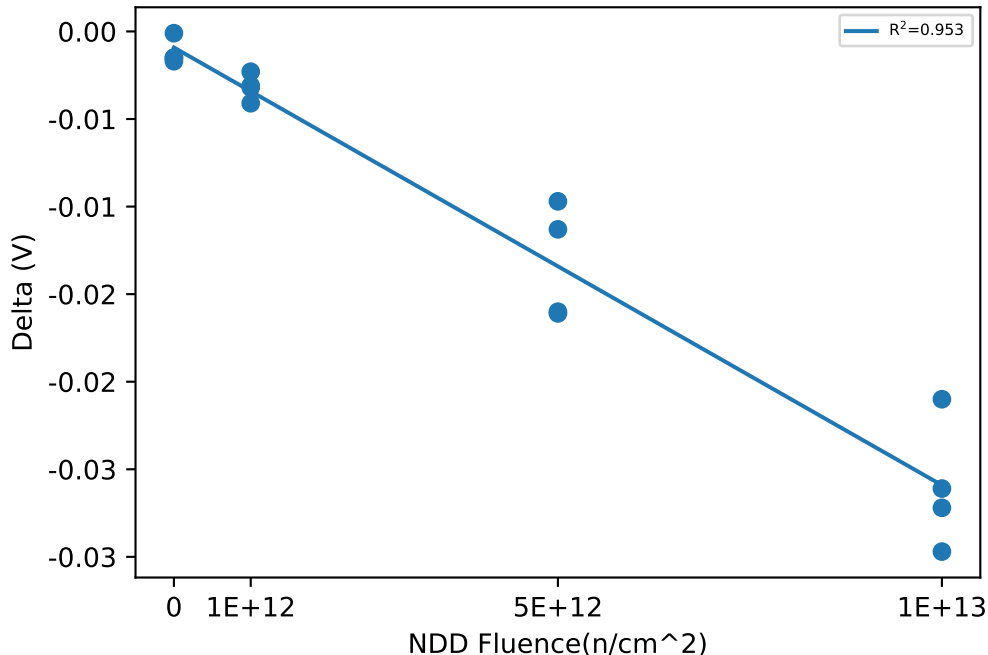
NDD vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.4185	7.4162	-0.0023
489	1e+12	NDD	7.4627	7.4595	-0.0032
583	1e+12	NDD	7.445	7.4419	-0.0031
594	1e+12	NDD	7.4303	7.4262	-0.0041
624	5e+12	NDD	7.4157	7.406	-0.0097
839	5e+12	NDD	7.4022	7.3861	-0.0161
919	5e+12	NDD	7.4104	7.3944	-0.016
938	5e+12	NDD	7.4057	7.3944	-0.0113
988	1e+13	NDD	7.4118	7.3821	-0.0297
1176	1e+13	NDD	7.4161	7.39	-0.0261
1197	1e+13	NDD	7.4185	7.3975	-0.021
1246	0	CORRELATION	7.4361	7.4344	-0.0017
1277	1e+13	NDD	7.4186	7.3914	-0.0272
1357	0	CORRELATION	7.4064	7.4049	-0.0015
1410	0	CORRELATION	7.4304	7.4303	-0.0001
1437	0	CORRELATION	7.3957	7.3942	-0.0015

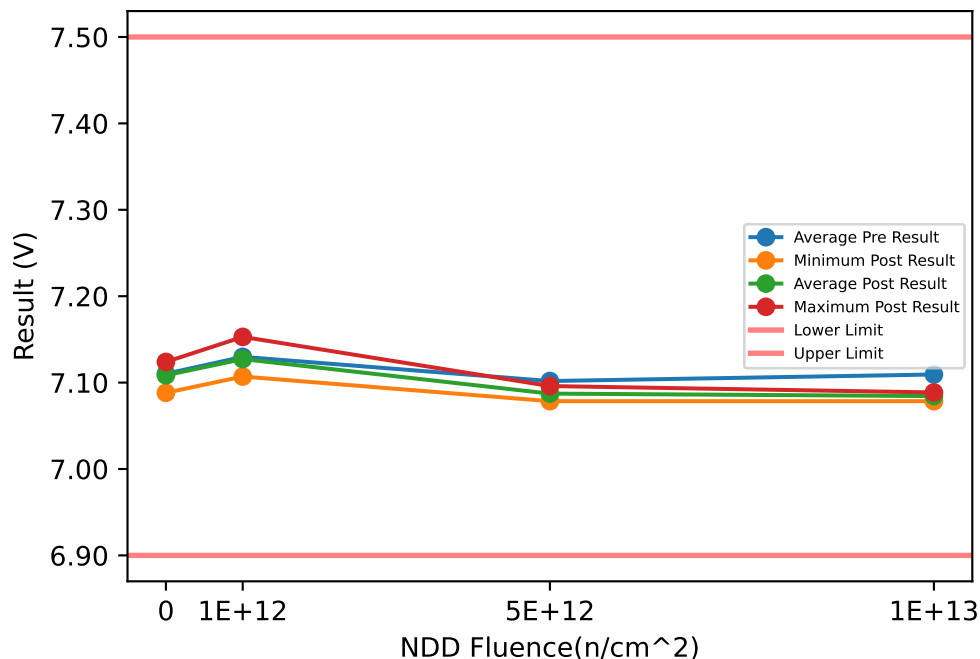
NDD vs Post - Pre Exposure Delta



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	7.3957	7.4171	7.4361	0.019238	7.3942	7.4159	7.4344	0.019506	-0.0017	-0.0012	-0.0001	0.00073937
1e+12	7.4185	7.4391	7.4627	0.019092	7.4162	7.436	7.4595	0.018931	-0.0041	-0.003175	-0.0023	0.00073655
5e+12	7.4022	7.4085	7.4157	0.0058589	7.3861	7.3952	7.406	0.0081798	-0.0161	-0.013275	-0.0097	0.0032704
1e+13	7.4118	7.4162	7.4186	0.0031838	7.3821	7.3902	7.3975	0.0063343	-0.0297	-0.026	-0.021	0.0036579

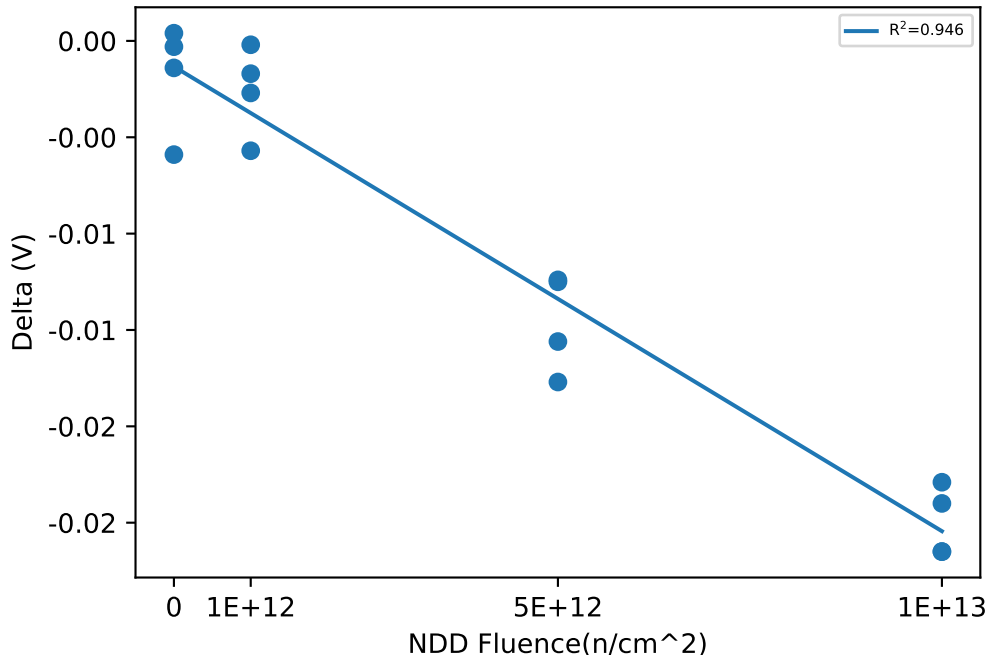
NDD vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.1087	7.107	-0.0017
489	1e+12	NDD	7.1531	7.1529	-0.0002
583	1e+12	NDD	7.1377	7.135	-0.0027
594	1e+12	NDD	7.1196	7.1139	-0.0057
624	5e+12	NDD	7.1116	7.096	-0.0156
839	5e+12	NDD	7.0962	7.0785	-0.0177
919	5e+12	NDD	7.0988	7.0863	-0.0125
938	5e+12	NDD	7.1006	7.0882	-0.0124
988	1e+13	NDD	7.1091	7.0826	-0.0265
1176	1e+13	NDD	7.1025	7.0785	-0.024
1197	1e+13	NDD	7.1115	7.0886	-0.0229
1246	0	CORRELATION	7.1244	7.1185	-0.0059
1277	1e+13	NDD	7.1144	7.0879	-0.0265
1357	0	CORRELATION	7.1035	7.1032	-0.0003
1410	0	CORRELATION	7.1253	7.1239	-0.0014
1437	0	CORRELATION	7.0878	7.0882	0.0004

NDD vs Post - Pre Exposure Delta

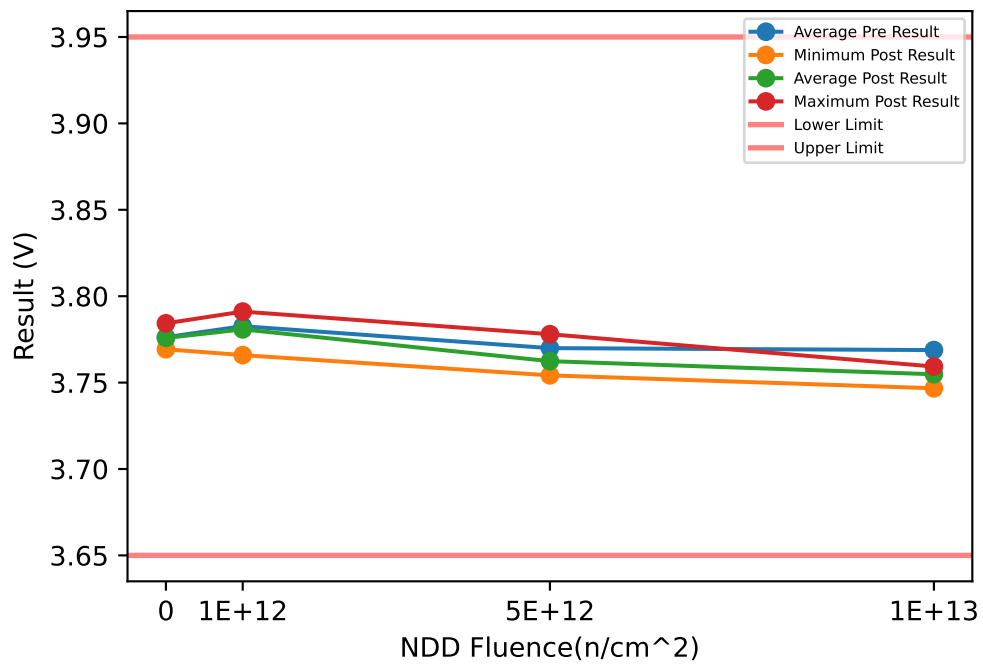


Test Statistics (V)

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	7.0878	7.1102	7.1253	0.01804	7.0882	7.1084	7.1239	0.016097	-0.0059	-0.0018	0.0004	0.002832
1e+12	7.1087	7.1298	7.1531	0.019618	7.107	7.1272	7.1529	0.020867	-0.0057	-0.002575	-0.0002	0.0023229
5e+12	7.0962	7.1018	7.1116	0.0067784	7.0785	7.0873	7.096	0.0071863	-0.0177	-0.01455	-0.0124	0.0025723
1e+13	7.1025	7.1094	7.1144	0.0050698	7.0785	7.0844	7.0886	0.0047589	-0.0265	-0.024975	-0.0229	0.0018173

Device Test: 17.7 UVLO|VLDO_RISE/VLDO/4.5/4.5/0/1000/4.5/100kHz//@VLDO_UVLO_RISE

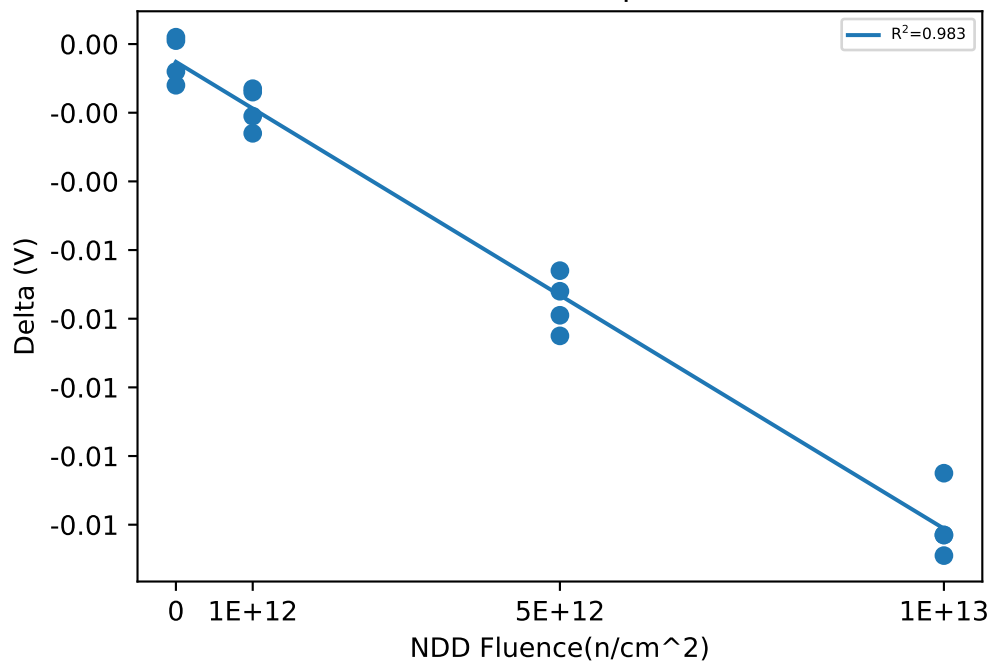
NDD vs Result Stats



Test Results (Lower Limit = 3.65, Upper Limit = 3.95 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	3.7797	3.7776	-0.0021
489	1e+12	NDD	3.7899	3.7886	-0.0013
583	1e+12	NDD	3.7685	3.7659	-0.0026
594	1e+12	NDD	3.7925	3.7911	-0.0014
624	5e+12	NDD	3.7687	3.7615	-0.0072
839	5e+12	NDD	3.7625	3.7559	-0.0066
919	5e+12	NDD	3.7859	3.778	-0.0079
938	5e+12	NDD	3.7627	3.7542	-0.0085
988	1e+13	NDD	3.7736	3.7593	-0.0143
1176	1e+13	NDD	3.7671	3.7546	-0.0125
1197	1e+13	NDD	3.761	3.7467	-0.0143
1246	0	CORRELATION	3.7717	3.7709	-0.0008
1277	1e+13	NDD	3.7736	3.7587	-0.0149
1357	0	CORRELATION	3.7692	3.7693	0.0001
1410	0	CORRELATION	3.7787	3.7789	0.0002
1437	0	CORRELATION	3.7855	3.7843	-0.0012

NDD vs Post - Pre Exposure Delta

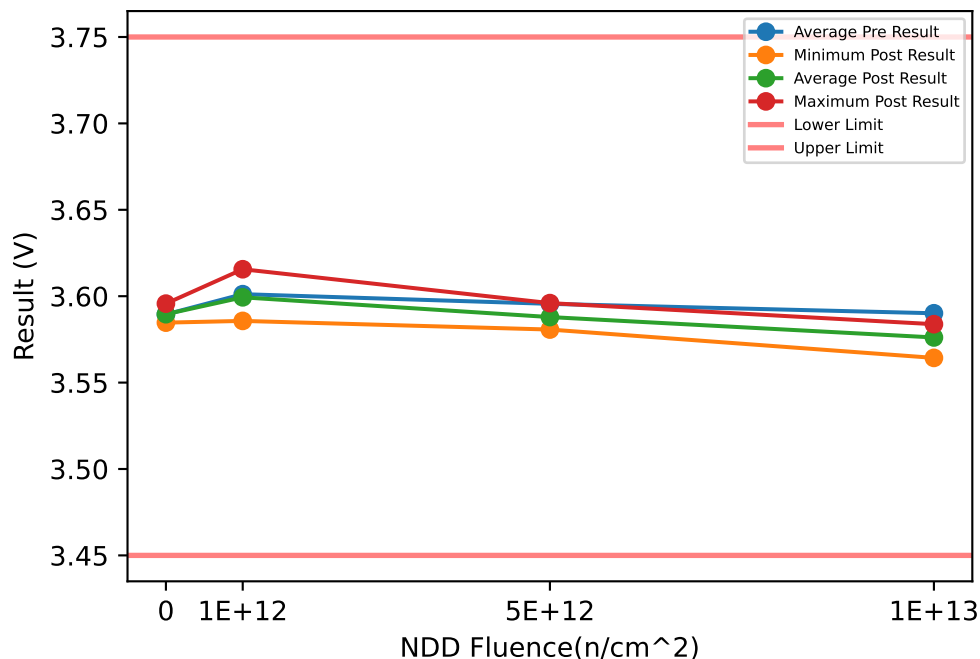


Test Statistics (V)

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	3.7692	3.7763	3.7855	0.0073477	3.7693	3.7759	3.7843	0.0070264	-0.0012	-0.000425	0.0002	0.00068496
1e+12	3.7685	3.7826	3.7925	0.010932	3.7659	3.7808	3.7911	0.011535	-0.0026	-0.00185	-0.0013	0.00061373
5e+12	3.7625	3.77	3.7859	0.011016	3.7542	3.7624	3.778	0.010858	-0.0085	-0.00755	-0.0066	0.00082664
1e+13	3.761	3.7688	3.7736	0.00605	3.7467	3.7548	3.7593	0.0058054	-0.0149	-0.014	-0.0125	0.0010392

Device Test: 17.8 UVLO|VLDO_FALL/VLDO/4.5/4.5/0/1000/4.5/100kHz//@VLDO_UVLO_FALL

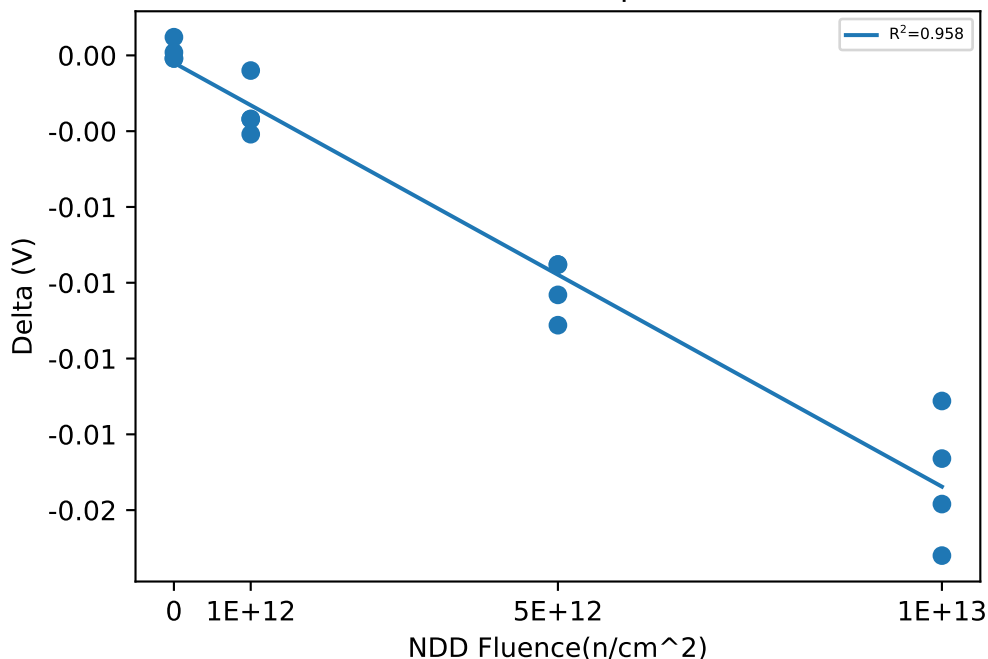
NDD vs Result Stats



Test Results (Lower Limit = 3.45, Upper Limit = 3.75 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	3.5942	3.5937	-0.0005
489	1e+12	NDD	3.6177	3.6156	-0.0021
583	1e+12	NDD	3.5883	3.5857	-0.0026
594	1e+12	NDD	3.6045	3.6024	-0.0021
624	5e+12	NDD	3.5876	3.5807	-0.0069
839	5e+12	NDD	3.5964	3.5875	-0.0089
919	5e+12	NDD	3.6029	3.596	-0.0069
938	5e+12	NDD	3.5954	3.5875	-0.0079
988	1e+13	NDD	3.5893	3.5779	-0.0114
1176	1e+13	NDD	3.5918	3.5785	-0.0133
1197	1e+13	NDD	3.5808	3.5643	-0.0165
1246	0	CORRELATION	3.5846	3.5847	0.0001
1277	1e+13	NDD	3.5986	3.5838	-0.0148
1357	0	CORRELATION	3.5855	3.5854	-0.0001
1410	0	CORRELATION	3.5926	3.5925	-0.0001
1437	0	CORRELATION	3.5951	3.5957	0.0006

NDD vs Post - Pre Exposure Delta

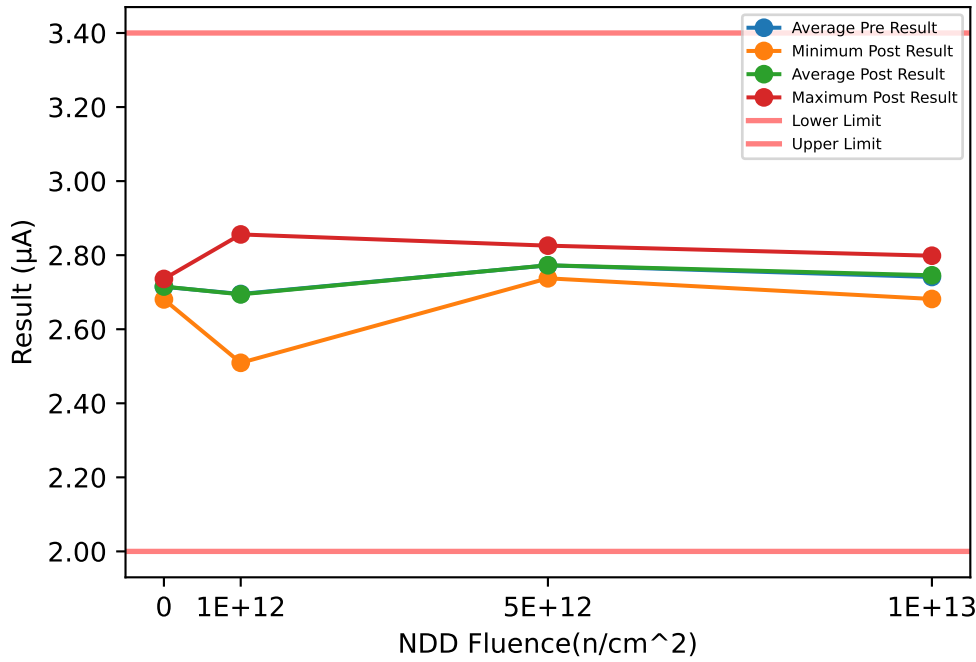


Test Statistics (V)

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	3.5846	3.5895	3.5951	0.0051952	3.5847	3.5896	3.5957	0.0053934	-0.0001	0.000125	0.0006	0.0003304
1e+12	3.5883	3.6012	3.6177	0.012891	3.5857	3.5994	3.6156	0.012801	-0.0026	-0.001825	-0.0005	0.00091424
5e+12	3.5876	3.5956	3.6029	0.0062708	3.5807	3.5879	3.596	0.0062654	-0.0089	-0.00765	-0.0069	0.00095743
1e+13	3.5808	3.5901	3.5986	0.0073545	3.5643	3.5761	3.5838	0.0083172	-0.0165	-0.014	-0.0114	0.002171

Device Test: 18.13 CURRENT|SS_0p3V/SS/14/14/0/1000/5/100kHz//@I_SS

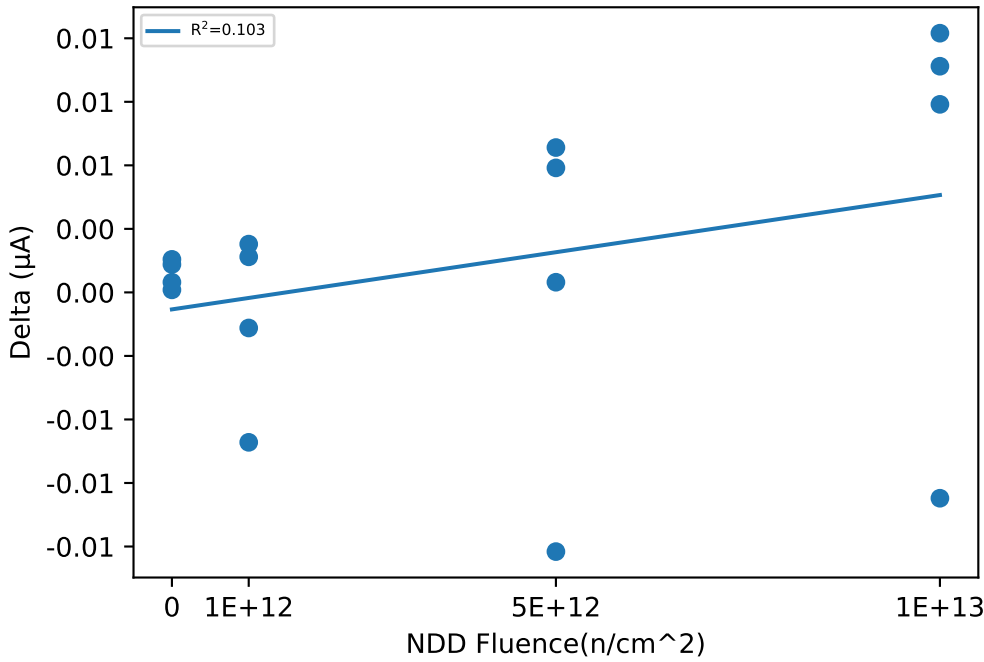
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5107	2.5093	-0.0014
489	1e+12	NDD	2.708	2.7021	-0.0059
583	1e+12	NDD	2.8546	2.856	0.0014
594	1e+12	NDD	2.7073	2.7092	0.0019
624	5e+12	NDD	2.7477	2.7375	-0.0102
839	5e+12	NDD	2.7696	2.77	0.0004
919	5e+12	NDD	2.82	2.8257	0.0057
938	5e+12	NDD	2.7528	2.7577	0.0049
988	1e+13	NDD	2.7471	2.7573	0.0102
1176	1e+13	NDD	2.6728	2.6817	0.0089
1197	1e+13	NDD	2.7911	2.7985	0.0074
1246	0	CORRELATION	2.7354	2.7358	0.0004
1277	1e+13	NDD	2.7533	2.7452	-0.0081
1357	0	CORRELATION	2.7228	2.7239	0.0011
1410	0	CORRELATION	2.7207	2.7208	0.0001
1437	0	CORRELATION	2.6792	2.6805	0.0013

NDD vs Post - Pre Exposure Delta

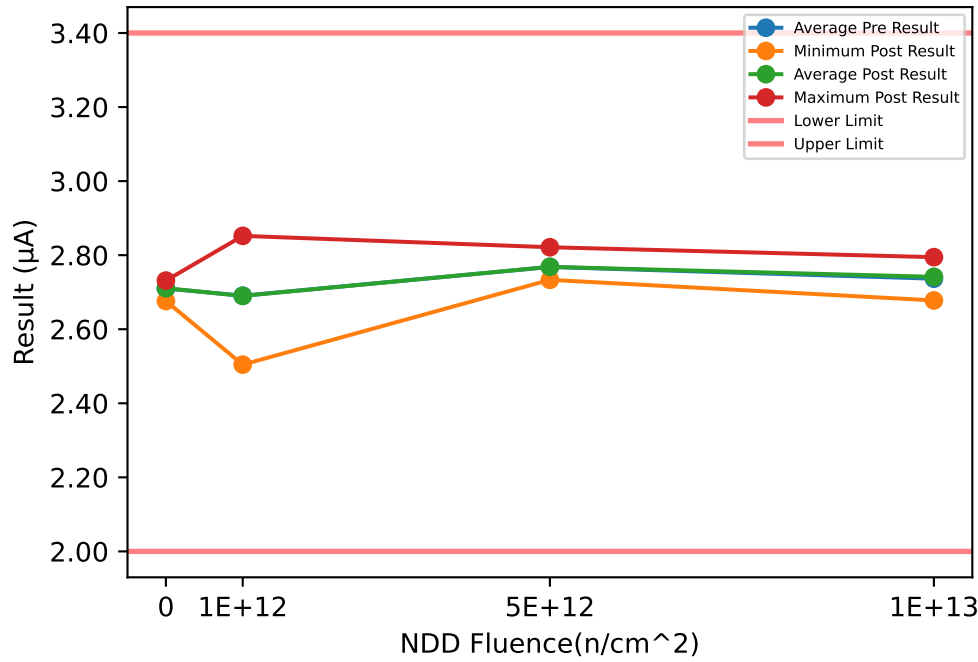


Test Statistics (µA)

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	2.6792	2.7145	2.7354	0.024428	2.6805	2.7153	2.7358	0.024052	0.0001	0.000725	0.0013	0.00056789
1e+12	2.5107	2.6951	2.8546	0.14114	2.5093	2.6942	2.856	0.14219	-0.0059	-0.001	0.0019	0.0035749
5e+12	2.7477	2.7725	2.82	0.033004	2.7375	2.7727	2.8257	0.037773	-0.0102	0.0002	0.0057	0.0073153
1e+13	2.6728	2.7411	2.7911	0.049497	2.6817	2.7457	2.7985	0.048369	-0.0081	0.0046	0.0102	0.0085436

Device Test: 18.17 CURRENT|SS_0p3V/SS/12/12/0/1000/5/500kHz//@I_SS

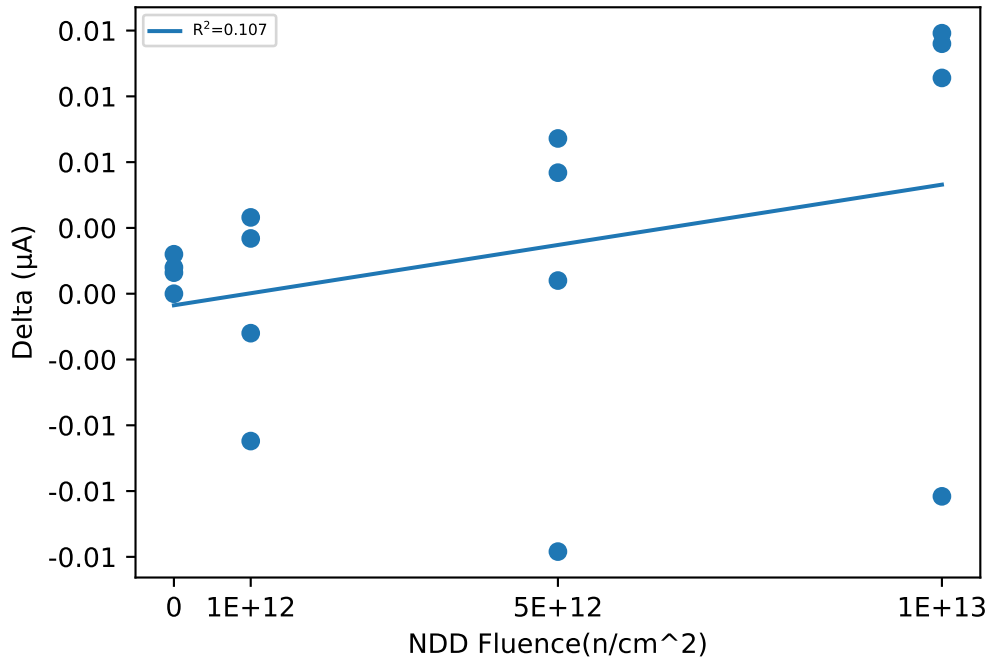
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5059	2.5044	-0.0015
489	1e+12	NDD	2.7033	2.6977	-0.0056
583	1e+12	NDD	2.85	2.8521	0.0021
594	1e+12	NDD	2.7028	2.7057	0.0029
624	5e+12	NDD	2.7432	2.7334	-0.0098
839	5e+12	NDD	2.7649	2.7654	0.0005
919	5e+12	NDD	2.8155	2.8214	0.0059
938	5e+12	NDD	2.7489	2.7535	0.0046
988	1e+13	NDD	2.7429	2.7528	0.0099
1176	1e+13	NDD	2.6683	2.6778	0.0095
1197	1e+13	NDD	2.7864	2.7946	0.0082
1246	0	CORRELATION	2.7303	2.7313	0.001
1277	1e+13	NDD	2.7484	2.7407	-0.0077
1357	0	CORRELATION	2.7183	2.7191	0.0008
1410	0	CORRELATION	2.7165	2.7165	0
1437	0	CORRELATION	2.6747	2.6762	0.0015

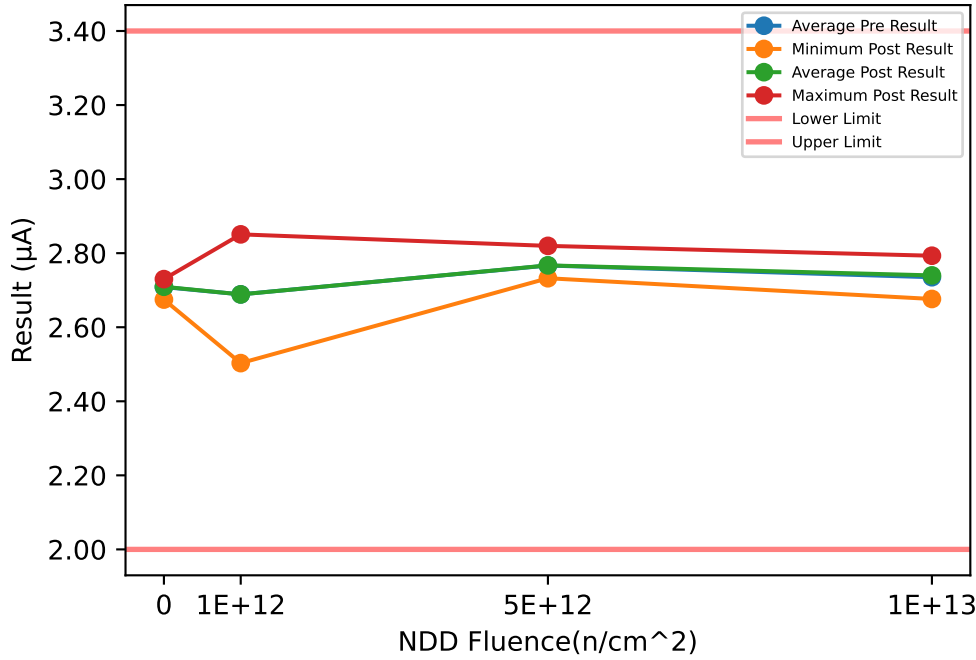
NDD vs Post - Pre Exposure Delta



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	2.6747	2.71	2.7303	0.024285	2.6762	2.7108	2.7313	0.023936	0	0.000825	0.0015	0.00062383
1e+12	2.5059	2.6905	2.85	0.14122	2.5044	2.69	2.8521	0.14263	-0.0056	-0.000525	0.0029	0.0038871
5e+12	2.7432	2.7681	2.8155	0.032892	2.7334	2.7684	2.8214	0.037705	-0.0098	0.0003	0.0059	0.0071157
1e+13	2.6683	2.7365	2.7864	0.049409	2.6778	2.7415	2.7946	0.048324	-0.0077	0.004975	0.0099	0.0084811

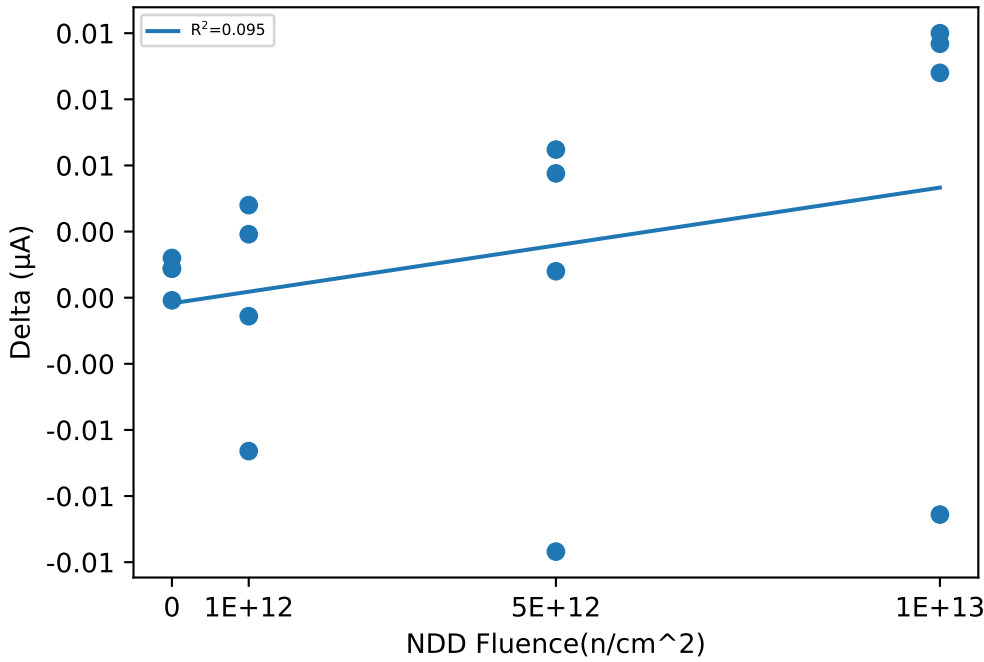
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5038	2.5031	-0.0007
489	1e+12	NDD	2.7017	2.6959	-0.0058
583	1e+12	NDD	2.8484	2.8508	0.0024
594	1e+12	NDD	2.7012	2.7047	0.0035
624	5e+12	NDD	2.7419	2.7323	-0.0096
839	5e+12	NDD	2.7631	2.7641	0.001
919	5e+12	NDD	2.8141	2.8197	0.0056
938	5e+12	NDD	2.7474	2.7521	0.0047
988	1e+13	NDD	2.7414	2.7514	0.01
1176	1e+13	NDD	2.6667	2.6763	0.0096
1197	1e+13	NDD	2.7846	2.7931	0.0085
1246	0	CORRELATION	2.7288	2.7299	0.0011
1277	1e+13	NDD	2.7474	2.7392	-0.0082
1357	0	CORRELATION	2.7164	2.7175	0.0011
1410	0	CORRELATION	2.7152	2.7151	-0.0001
1437	0	CORRELATION	2.6732	2.6747	0.0015

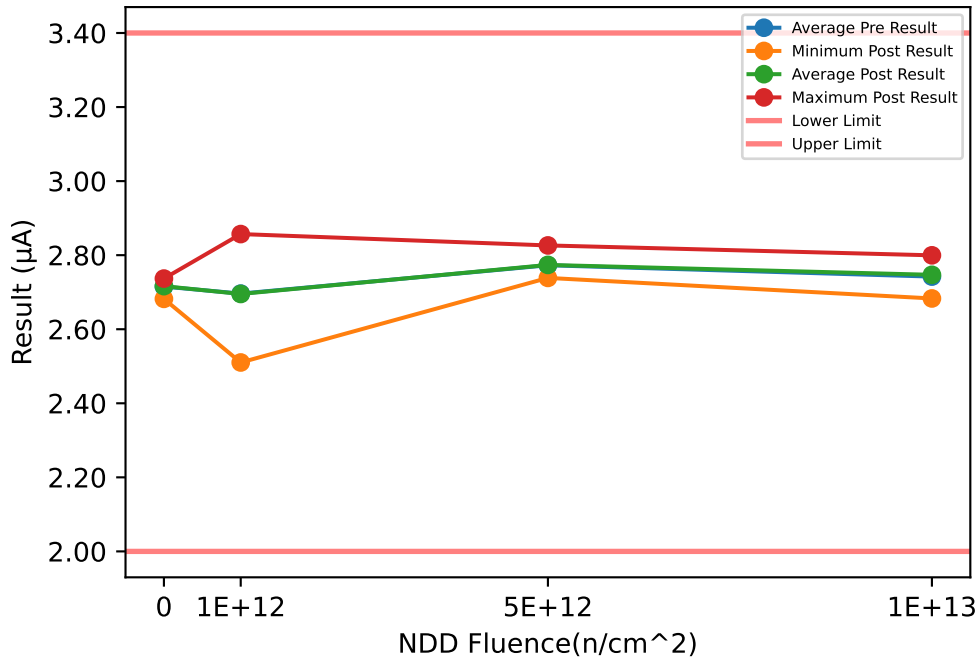
NDD vs Post - Pre Exposure Delta



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	2.6732	2.7084	2.7288	0.024259	2.6747	2.7093	2.7299	0.023961	-0.0001	0.0009	0.0015	0.00069282
1e+12	2.5038	2.6888	2.8484	0.14144	2.5031	2.6886	2.8508	0.14263	-0.0058	-0.00015	0.0035	0.0041653
5e+12	2.7419	2.7666	2.8141	0.0329	2.7323	2.7671	2.8197	0.037469	-0.0096	0.000425	0.0056	0.0069735
1e+13	2.6667	2.735	2.7846	0.049396	2.6763	2.74	2.7931	0.048332	-0.0082	0.004975	0.01	0.0088062

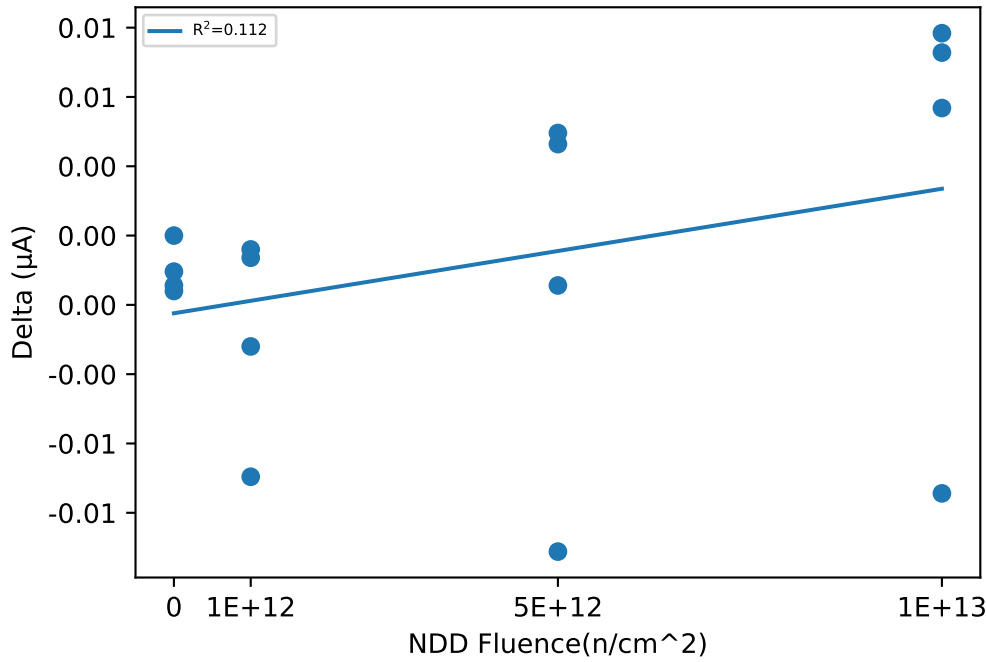
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5117	2.5102	-0.0015
489	1e+12	NDD	2.7093	2.7031	-0.0062
583	1e+12	NDD	2.8553	2.857	0.0017
594	1e+12	NDD	2.7086	2.7106	0.002
624	5e+12	NDD	2.7475	2.7386	-0.0089
839	5e+12	NDD	2.7704	2.7711	0.0007
919	5e+12	NDD	2.8201	2.8263	0.0062
938	5e+12	NDD	2.7529	2.7587	0.0058
988	1e+13	NDD	2.7484	2.7582	0.0098
1176	1e+13	NDD	2.674	2.6831	0.0091
1197	1e+13	NDD	2.7925	2.7996	0.0071
1246	0	CORRELATION	2.7363	2.7368	0.0005
1277	1e+13	NDD	2.7537	2.7469	-0.0068
1357	0	CORRELATION	2.7238	2.7245	0.0007
1410	0	CORRELATION	2.7208	2.722	0.0012
1437	0	CORRELATION	2.6795	2.682	0.0025

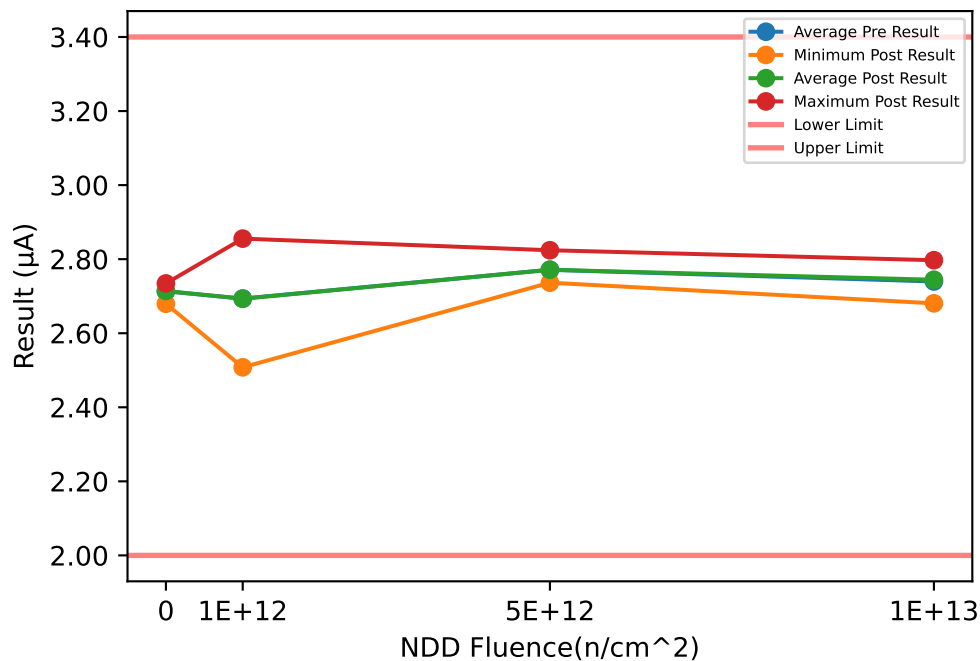
NDD vs Post - Pre Exposure Delta



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	2.6795	2.7151	2.7363	0.024664	2.682	2.7163	2.7368	0.02378	0.0005	0.001225	0.0025	0.00089954
1e+12	2.5117	2.6962	2.8553	0.14104	2.5102	2.6952	2.857	0.14225	-0.0062	-0.001	0.002	0.0038114
5e+12	2.7475	2.7727	2.8201	0.033061	2.7386	2.7737	2.8263	0.037552	-0.0089	0.00095	0.0062	0.0070278
1e+13	2.674	2.7422	2.7925	0.049504	2.6831	2.747	2.7996	0.04822	-0.0068	0.0048	0.0098	0.0078175

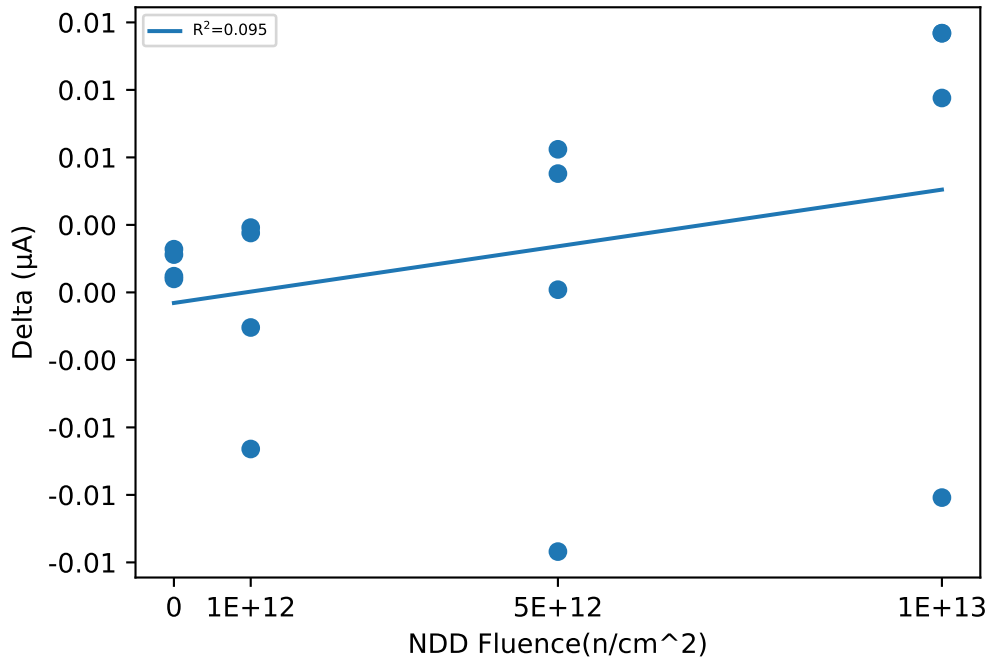
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5092	2.5079	-0.0013
489	1e+12	NDD	2.7064	2.7006	-0.0058
583	1e+12	NDD	2.8533	2.8555	0.0022
594	1e+12	NDD	2.7057	2.7081	0.0024
624	5e+12	NDD	2.7461	2.7365	-0.0096
839	5e+12	NDD	2.7685	2.7686	0.0001
919	5e+12	NDD	2.8188	2.8241	0.0053
938	5e+12	NDD	2.7518	2.7562	0.0044
988	1e+13	NDD	2.746	2.7556	0.0096
1176	1e+13	NDD	2.6711	2.6807	0.0096
1197	1e+13	NDD	2.79	2.7972	0.0072
1246	0	CORRELATION	2.7338	2.7344	0.0006
1277	1e+13	NDD	2.752	2.7444	-0.0076
1357	0	CORRELATION	2.7212	2.7226	0.0014
1410	0	CORRELATION	2.7193	2.7198	0.0005
1437	0	CORRELATION	2.678	2.6796	0.0016

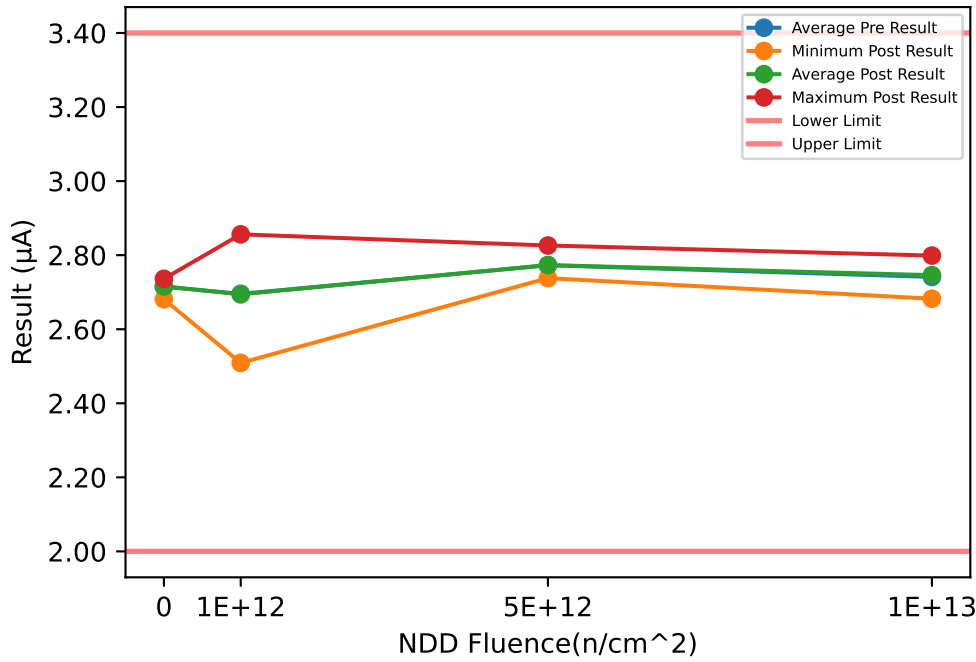
NDD vs Post - Pre Exposure Delta



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	2.678	2.7131	2.7338	0.024252	2.6796	2.7141	2.7344	0.023854	0.0005	0.001025	0.0016	0.00055603
1e+12	2.5092	2.6936	2.8533	0.14121	2.5079	2.693	2.8555	0.14254	-0.0058	-0.000625	0.0024	0.0038457
5e+12	2.7461	2.7713	2.8188	0.033062	2.7365	2.7713	2.8241	0.037568	-0.0096	5e-05	0.0053	0.0068218
1e+13	2.6711	2.7398	2.79	0.049756	2.6807	2.7445	2.7972	0.048204	-0.0076	0.0047	0.0096	0.0082777

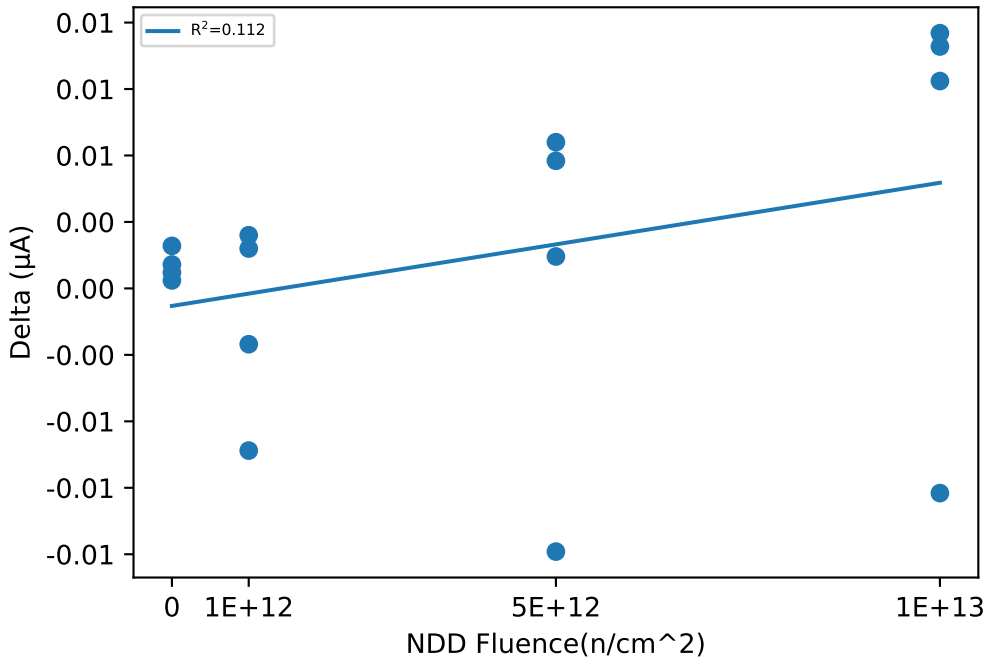
NDD vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.5111	2.509	-0.0021
489	1e+12	NDD	2.7084	2.7023	-0.0061
583	1e+12	NDD	2.8547	2.8562	0.0015
594	1e+12	NDD	2.7077	2.7097	0.002
624	5e+12	NDD	2.7479	2.738	-0.0099
839	5e+12	NDD	2.7695	2.7707	0.0012
919	5e+12	NDD	2.8206	2.8261	0.0055
938	5e+12	NDD	2.7533	2.7581	0.0048
988	1e+13	NDD	2.7478	2.7574	0.0096
1176	1e+13	NDD	2.6733	2.6824	0.0091
1197	1e+13	NDD	2.7911	2.7989	0.0078
1246	0	CORRELATION	2.7355	2.7361	0.0006
1277	1e+13	NDD	2.7532	2.7455	-0.0077
1357	0	CORRELATION	2.7232	2.7241	0.0009
1410	0	CORRELATION	2.7213	2.7216	0.0003
1437	0	CORRELATION	2.6795	2.6811	0.0016

NDD vs Post - Pre Exposure Delta

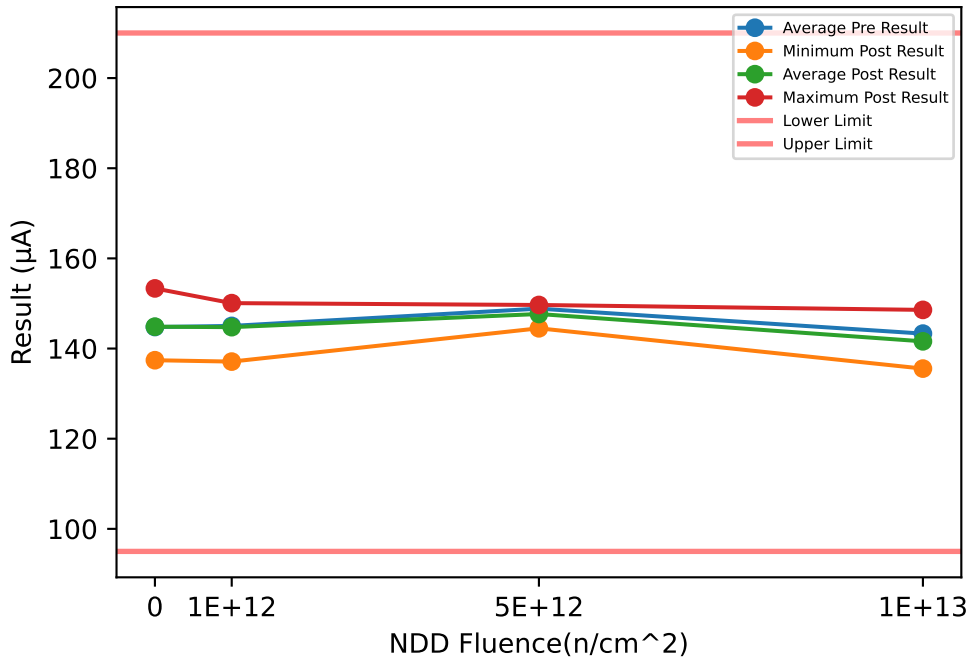


Test Statistics (µA)

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	2.6795	2.7149	2.7355	0.024409	2.6811	2.7157	2.7361	0.023935	0.0003	0.00085	0.0016	0.00055678
1e+12	2.5111	2.6955	2.8547	0.14102	2.509	2.6943	2.8562	0.14242	-0.0061	-0.001175	0.002	0.0037571
5e+12	2.7479	2.7728	2.8206	0.033146	2.738	2.7732	2.8261	0.037735	-0.0099	0.0004	0.0055	0.0071204
1e+13	2.6733	2.7413	2.7911	0.049288	2.6824	2.746	2.7989	0.048213	-0.0077	0.0047	0.0096	0.0083014

Device Test: 19.10 CURRENT|EA_SOURCE//12/12/0/0/5/500kHz//@EA_I_SOURCE

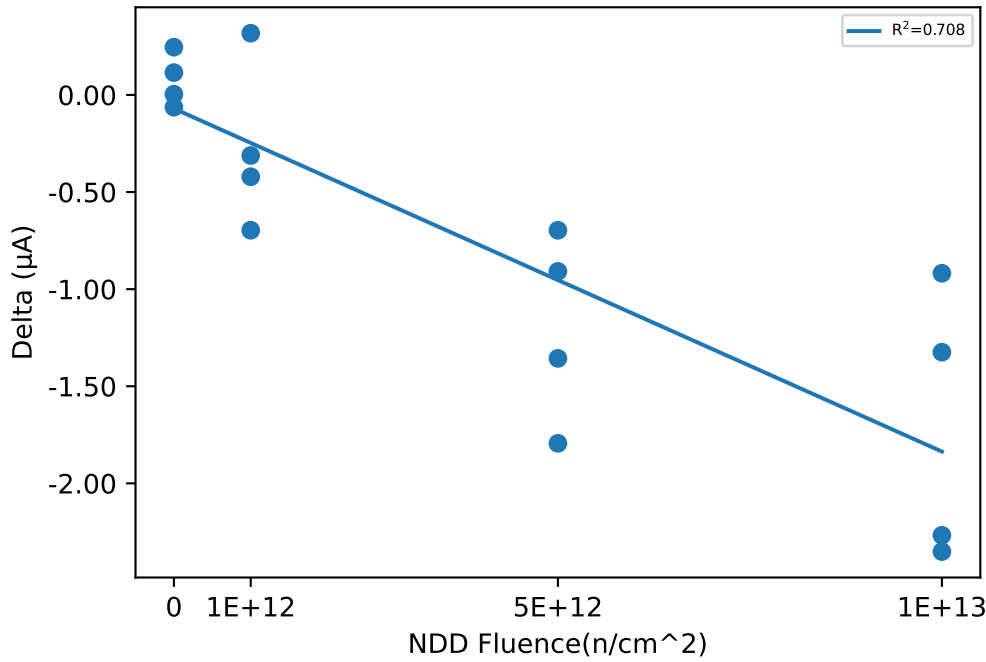
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	137.42	137.1	-0.3118
489	1e+12	NDD	150.77	150.07	-0.6965
583	1e+12	NDD	149.51	149.09	-0.4212
594	1e+12	NDD	142.38	142.7	0.318
624	5e+12	NDD	150.7	148.9	-1.794
839	5e+12	NDD	150.36	149.67	-0.6969
919	5e+12	NDD	148.49	147.58	-0.9085
938	5e+12	NDD	145.85	144.49	-1.3565
988	1e+13	NDD	142.5	141.18	-1.3246
1176	1e+13	NDD	136.47	135.55	-0.9181
1197	1e+13	NDD	150.93	148.58	-2.3514
1246	0	CORRELATION	144.89	145.01	0.1152
1277	1e+13	NDD	143.35	141.09	-2.2675
1357	0	CORRELATION	153.1	153.34	0.2461
1410	0	CORRELATION	143.71	143.64	-0.0631
1437	0	CORRELATION	137.41	137.41	0.0039

NDD vs Post - Pre Exposure Delta

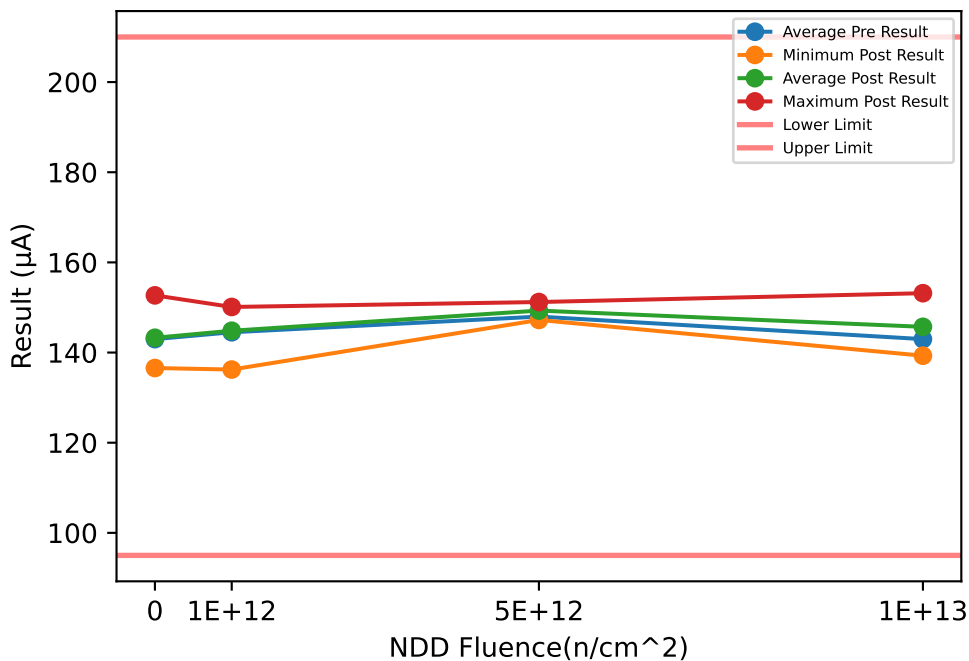


Test Statistics (µA)

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	137.41	144.78	153.1	6.4476	137.41	144.85	153.34	6.5566	-0.0631	0.075525	0.2461	0.13542
1e+12	137.42	145.02	150.77	6.2726	137.1	144.74	150.07	6.0513	-0.6965	-0.27788	0.318	0.42895
5e+12	145.85	148.85	150.7	2.2246	144.49	147.66	149.67	2.2818	-1.794	-1.189	-0.6969	0.48817
1e+13	136.47	143.31	150.93	5.9289	135.55	141.6	148.58	5.3442	-2.3514	-1.7154	-0.9181	0.70657

Device Test: 19.11 CURRENT|EA_SINK//12/12/0/0/5/500kHz//@EA_I_SINK

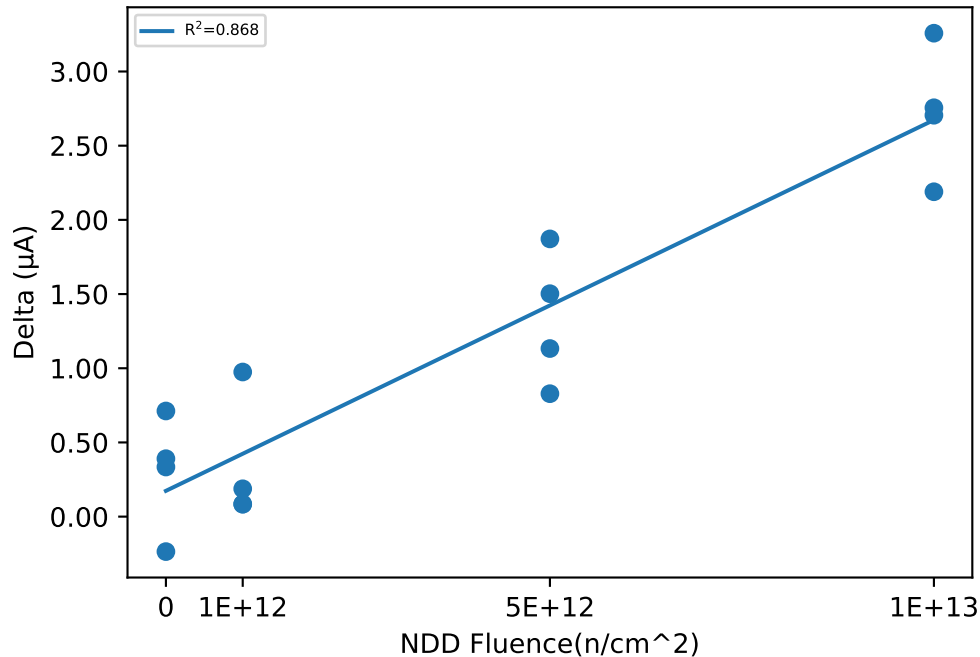
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	136.04	136.23	0.1876
489	1e+12	NDD	150.03	150.11	0.0835
583	1e+12	NDD	149.49	149.57	0.0853
594	1e+12	NDD	142.45	143.42	0.9747
624	5e+12	NDD	150.38	151.21	0.8285
839	5e+12	NDD	147.45	148.95	1.5025
919	5e+12	NDD	147.98	149.86	1.8717
938	5e+12	NDD	146.09	147.23	1.1329
988	1e+13	NDD	141.92	145.18	3.2581
1176	1e+13	NDD	136.54	139.3	2.7556
1197	1e+13	NDD	150.46	153.17	2.7052
1246	0	CORRELATION	142.23	142.57	0.3344
1277	1e+13	NDD	142.99	145.18	2.1895
1357	0	CORRELATION	151.98	152.69	0.712
1410	0	CORRELATION	140.9	141.29	0.3904
1437	0	CORRELATION	136.8	136.57	-0.2357

NDD vs Post - Pre Exposure Delta

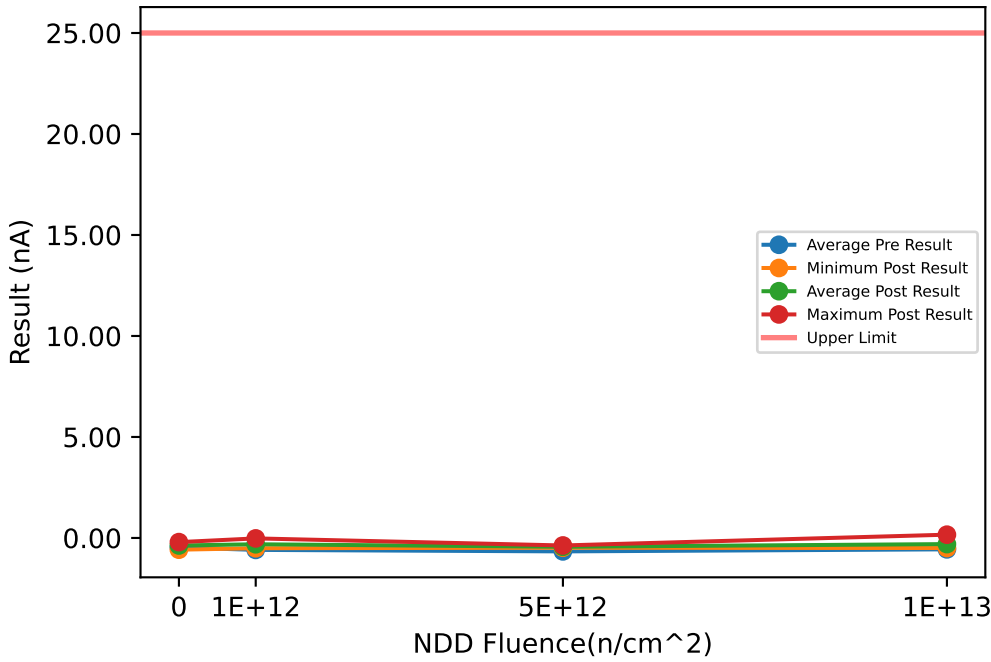


Test Statistics (µA)

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	136.8	142.98	151.98	6.4289	136.57	143.28	152.69	6.7839	-0.2357	0.30027	0.712	0.39415
1e+12	136.04	144.5	150.03	6.6134	136.23	144.83	150.11	6.4902	0.0835	0.33278	0.9747	0.43071
5e+12	146.09	147.98	150.38	1.7882	147.23	149.31	151.21	1.6698	0.8285	1.3339	1.8717	0.45221
1e+13	136.54	142.98	150.46	5.7306	139.3	145.71	153.17	5.6939	2.1895	2.7271	3.2581	0.43676

Device Test: 19.12 CURRENT|EA//12/12/0/0/5/500kHz//@EA_IB

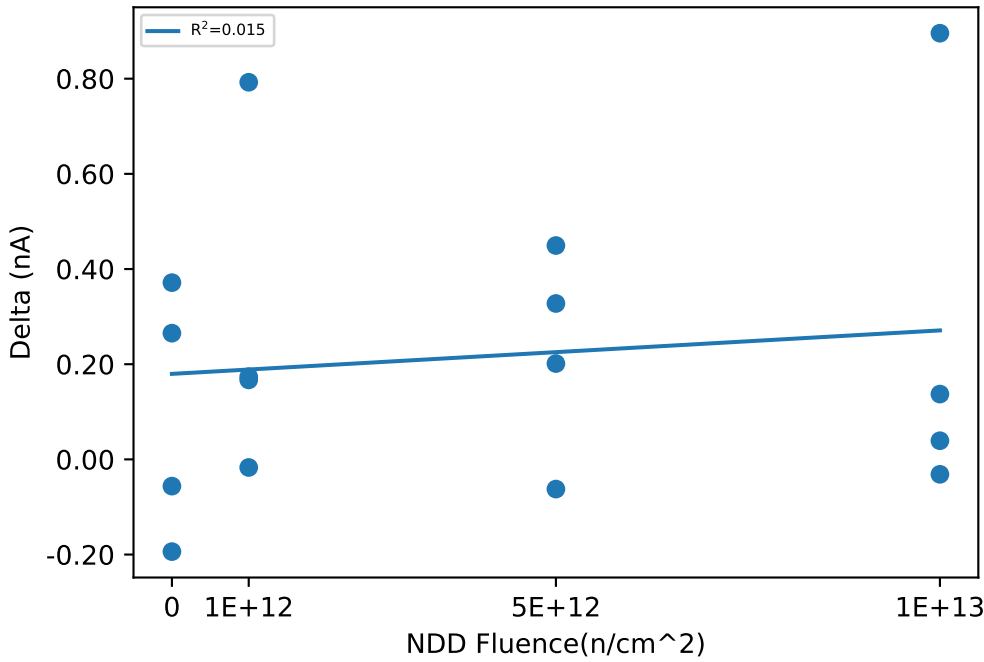
NDD vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.4546	-0.2809	0.1737
489	1e+12	NDD	-0.8144	-0.0219	0.7925
583	1e+12	NDD	-0.4919	-0.5089	-0.017
594	1e+12	NDD	-0.604	-0.437	0.167
624	5e+12	NDD	-0.7772	-0.4496	0.3276
839	5e+12	NDD	-0.5729	-0.3715	0.2014
919	5e+12	NDD	-0.9333	-0.4839	0.4494
938	5e+12	NDD	-0.3777	-0.4401	-0.0624
988	1e+13	NDD	-0.7333	0.1623	0.8956
1176	1e+13	NDD	-0.4525	-0.4839	-0.0314
1197	1e+13	NDD	-0.5386	-0.4994	0.0392
1246	0	CORRELATION	-0.3869	-0.5807	-0.1938
1277	1e+13	NDD	-0.5305	-0.3933	0.1372
1357	0	CORRELATION	-0.4868	-0.2216	0.2652
1410	0	CORRELATION	-0.4245	-0.4807	-0.0562
1437	0	CORRELATION	-0.5774	-0.206	0.3714

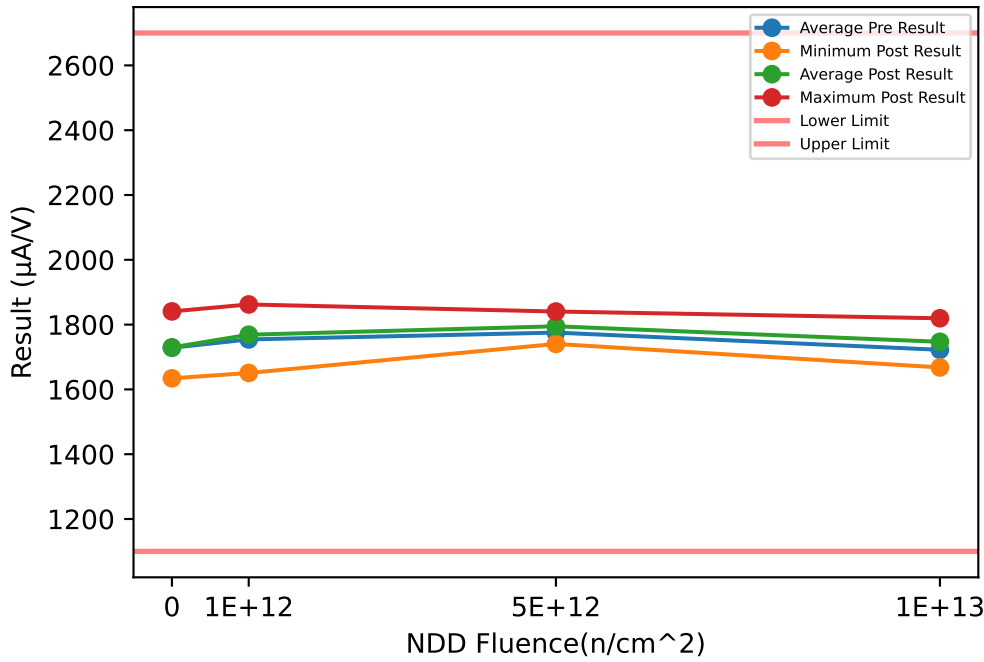
NDD vs Post - Pre Exposure Delta



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	-0.5774	-0.4689	-0.3869	0.083243	-0.5807	-0.37225	-0.206	0.18757	-0.1938	0.09665	0.3714	0.26559
1e+12	-0.8144	-0.59123	-0.4546	0.16176	-0.5089	-0.31217	-0.0219	0.21565	-0.017	0.27905	0.7925	0.35352
5e+12	-0.9333	-0.66527	-0.3777	0.24193	-0.4839	-0.43627	-0.3715	0.047103	-0.0624	0.229	0.4494	0.21907
1e+13	-0.7333	-0.56373	-0.4525	0.11953	-0.4994	-0.30357	0.1623	0.31409	-0.0314	0.26015	0.8956	0.42924

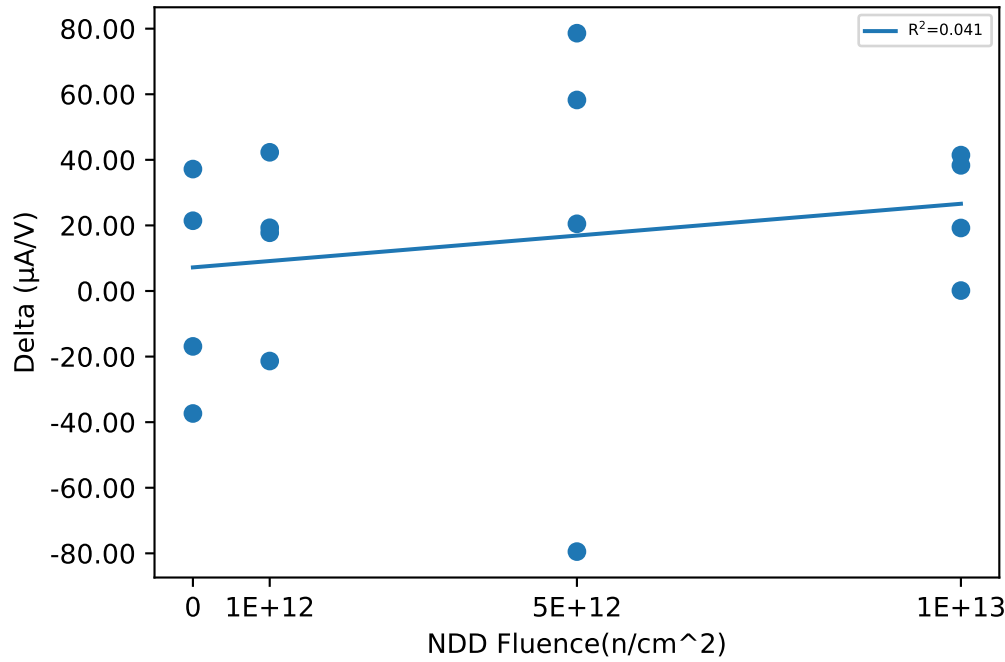
NDD vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 ($\mu A/V$))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1632.9	1650.7	17.761
489	1e+12	NDD	1883.5	1862.1	-21.355
583	1e+12	NDD	1798.1	1840.4	42.298
594	1e+12	NDD	1702.4	1721.7	19.279
624	5e+12	NDD	1819.9	1840.4	20.492
839	5e+12	NDD	1720.7	1799.4	78.618
919	5e+12	NDD	1740.7	1799	58.256
938	5e+12	NDD	1819.9	1740.4	-79.47
988	1e+13	NDD	1721.5	1759.8	38.317
1176	1e+13	NDD	1667.7	1667.8	0.1327
1197	1e+13	NDD	1778.1	1819.5	41.441
1246	0	CORRELATION	1703.2	1740.3	37.181
1277	1e+13	NDD	1721.5	1740.7	19.218
1357	0	CORRELATION	1819.3	1840.7	21.428
1410	0	CORRELATION	1740.7	1703.4	-37.353
1437	0	CORRELATION	1651	1634.1	-16.893

NDD vs Post - Pre Exposure Delta

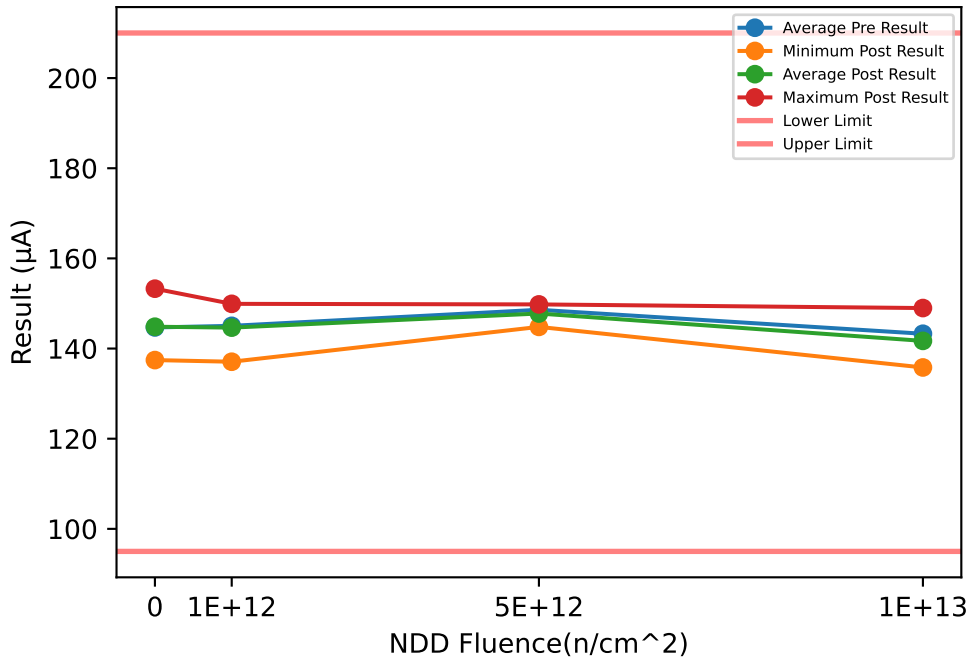


Test Statistics ($\mu A/V$)

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	1651	1728.6	1819.3	70.803	1634.1	1729.6	1840.7	86.153	-37.353	1.0906	37.181	34.242
1e+12	1632.9	1754.2	1883.5	109.58	1650.7	1768.7	1862.1	99.999	-21.355	14.496	42.298	26.405
5e+12	1720.7	1775.3	1819.9	52.103	1740.4	1794.8	1840.4	41.124	-79.47	19.474	78.618	70.221
1e+13	1667.7	1722.2	1778.1	45.076	1667.8	1747	1819.5	62.538	0.1327	24.777	41.441	19.142

Device Test: 19.14 CURRENT|EA_SOURCE//14/14/0/0/5/500kHz//@EA_I_SOURCE

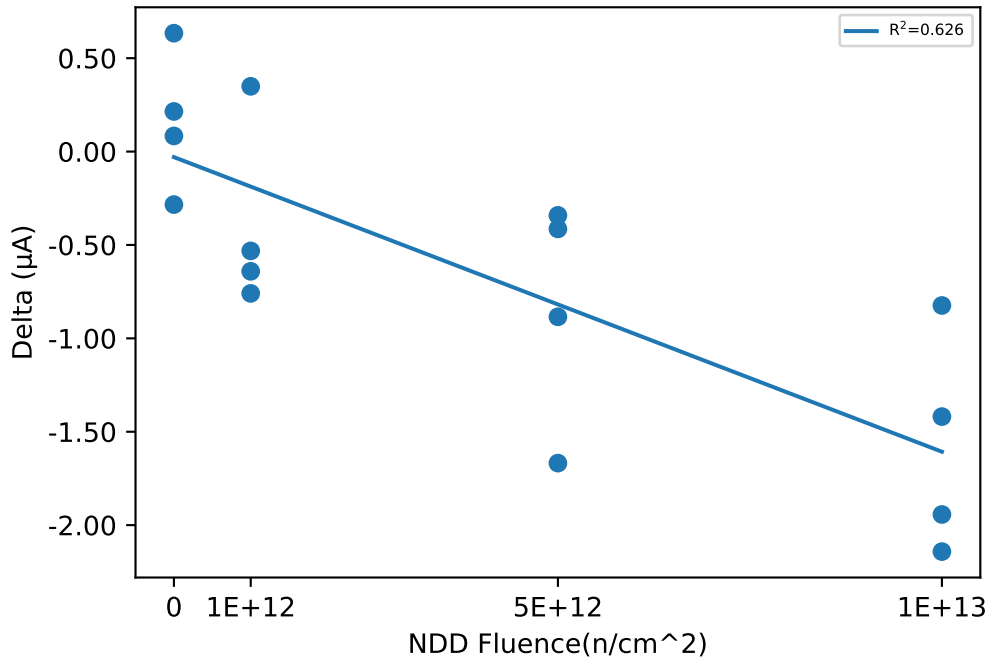
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	137.61	137.07	-0.5317
489	1e+12	NDD	150.68	149.92	-0.7593
583	1e+12	NDD	149.58	148.94	-0.6411
594	1e+12	NDD	142.29	142.64	0.3493
624	5e+12	NDD	150.57	148.9	-1.668
839	5e+12	NDD	150.21	149.79	-0.414
919	5e+12	NDD	147.93	147.58	-0.3415
938	5e+12	NDD	145.69	144.81	-0.8847
988	1e+13	NDD	142.5	141.09	-1.4189
1176	1e+13	NDD	136.63	135.8	-0.824
1197	1e+13	NDD	150.93	148.98	-1.9429
1246	0	CORRELATION	144.89	144.98	0.0837
1277	1e+13	NDD	143.07	140.93	-2.1417
1357	0	CORRELATION	153.06	153.28	0.2148
1410	0	CORRELATION	143.96	143.67	-0.2837
1437	0	CORRELATION	136.81	137.44	0.6338

NDD vs Post - Pre Exposure Delta

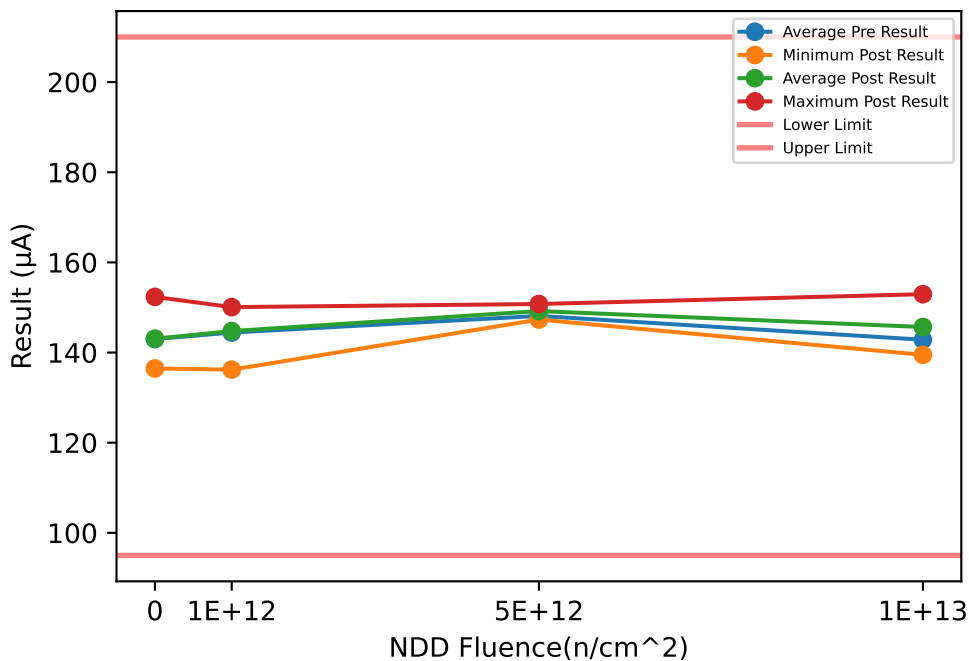


Test Statistics (µA)

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	136.81	144.68	153.06	6.6548	137.44	144.84	153.28	6.5155	-0.2837	0.16215	0.6338	0.37867
1e+12	137.61	145.04	150.68	6.1968	137.07	144.64	149.92	5.9878	-0.7593	-0.3957	0.3493	0.50529
5e+12	145.69	148.6	150.57	2.265	144.81	147.77	149.79	2.1754	-1.668	-0.82705	-0.3415	0.61016
1e+13	136.63	143.28	150.93	5.8704	135.8	141.7	148.98	5.4408	-2.1417	-1.5819	-0.824	0.59011

Device Test: 19.15 CURRENT|EA_SINK//14/14/0/0/5/500kHz//@EA_I_SINK

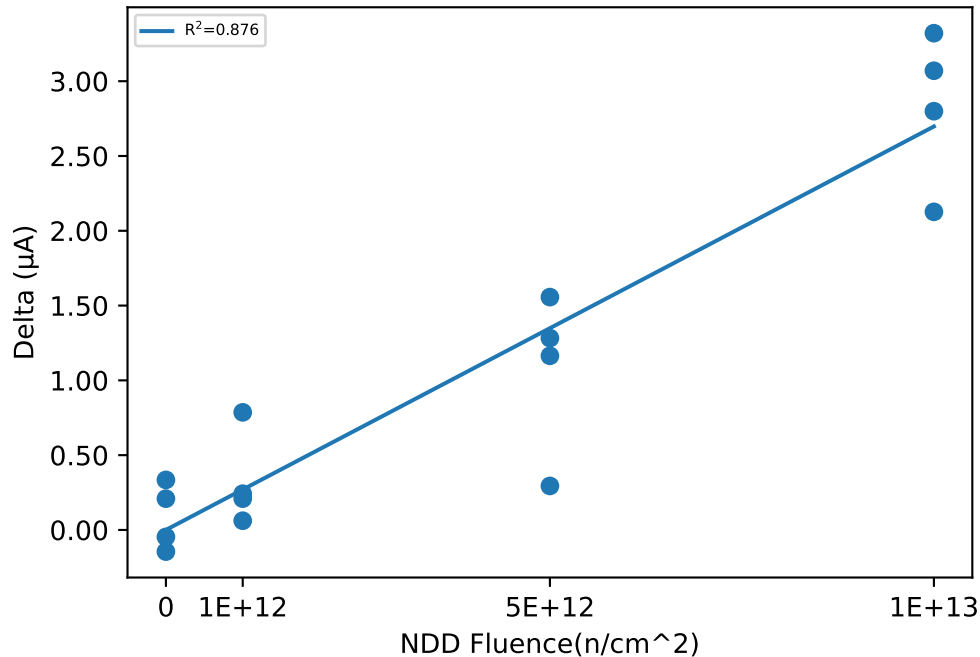
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	136.13	136.2	0.0618
489	1e+12	NDD	149.87	150.08	0.2093
583	1e+12	NDD	149.3	149.54	0.2424
594	1e+12	NDD	142.45	143.24	0.7861
624	5e+12	NDD	150.47	150.77	0.2942
839	5e+12	NDD	147.6	148.88	1.2826
919	5e+12	NDD	148.27	149.82	1.5567
938	5e+12	NDD	146.16	147.32	1.1641
988	1e+13	NDD	141.79	145.11	3.3209
1176	1e+13	NDD	136.42	139.49	3.0699
1197	1e+13	NDD	150.15	152.95	2.7994
1246	0	CORRELATION	142.01	142.35	0.3345
1277	1e+13	NDD	142.99	145.11	2.1266
1357	0	CORRELATION	152.13	152.34	0.2092
1410	0	CORRELATION	141.27	141.13	-0.1447
1437	0	CORRELATION	136.52	136.47	-0.0465

NDD vs Post - Pre Exposure Delta

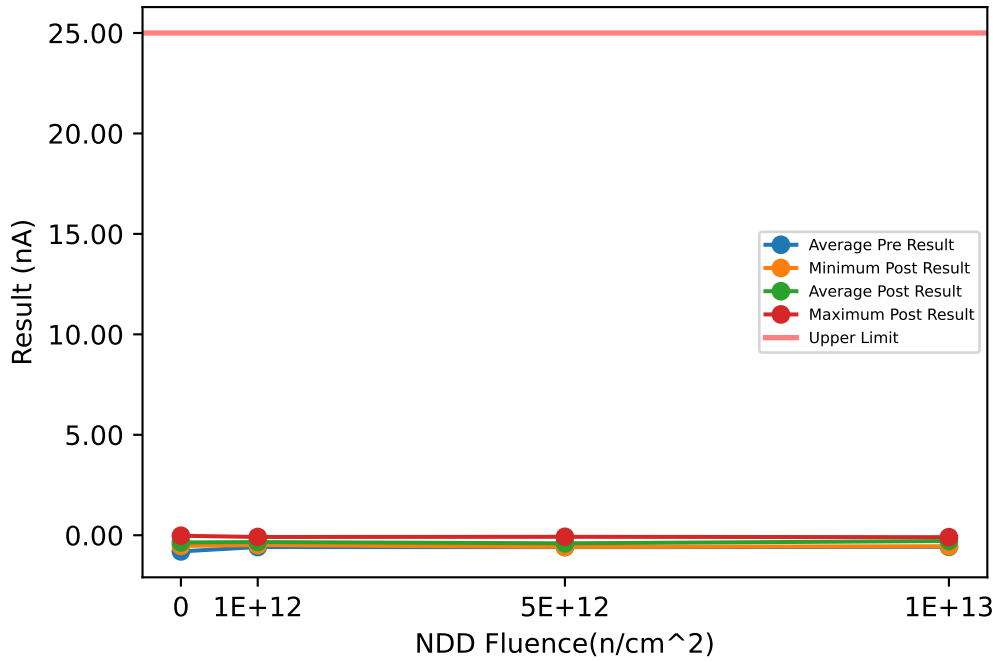


Test Statistics (µA)

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	136.52	142.98	152.13	6.5669	136.47	143.07	152.34	6.6782	-0.1447	0.088125	0.3345	0.22188
1e+12	136.13	144.44	149.87	6.482	136.2	144.76	150.08	6.502	0.0618	0.3249	0.7861	0.31733
5e+12	146.16	148.12	150.47	1.796	147.32	149.2	150.77	1.4689	0.2942	1.0744	1.5567	0.5455
1e+13	136.42	142.84	150.15	5.6495	139.49	145.67	152.95	5.5312	2.1266	2.8292	3.3209	0.51454

Device Test: 19.16 CURRENT|EA//14/14/0/0/5/500kHz//@EA_IB

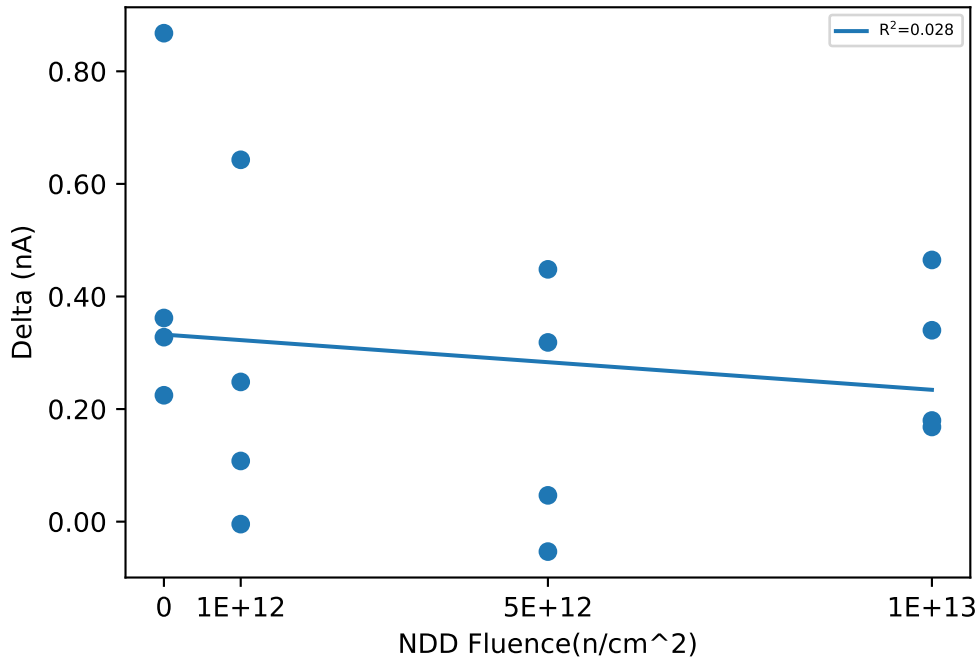
NDD vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.5573	-0.4495	0.1078
489	1e+12	NDD	-0.7302	-0.0874	0.6428
583	1e+12	NDD	-0.4857	-0.4901	-0.0044
594	1e+12	NDD	-0.576	-0.3278	0.2482
624	5e+12	NDD	-0.5025	-0.5557	-0.0532
839	5e+12	NDD	-0.5262	-0.078	0.4482
919	5e+12	NDD	-0.6274	-0.5807	0.0467
938	5e+12	NDD	-0.7117	-0.3933	0.3184
988	1e+13	NDD	-0.5211	-0.1811	0.34
1176	1e+13	NDD	-0.7177	-0.5495	0.1682
1197	1e+13	NDD	-0.5075	-0.3278	0.1797
1246	0	CORRELATION	-0.7552	-0.5307	0.2245
1277	1e+13	NDD	-0.5617	-0.0968	0.4649
1357	0	CORRELATION	-0.7614	-0.3996	0.3618
1410	0	CORRELATION	-0.8084	-0.4807	0.3277
1437	0	CORRELATION	-0.8927	-0.025	0.8677

NDD vs Post - Pre Exposure Delta

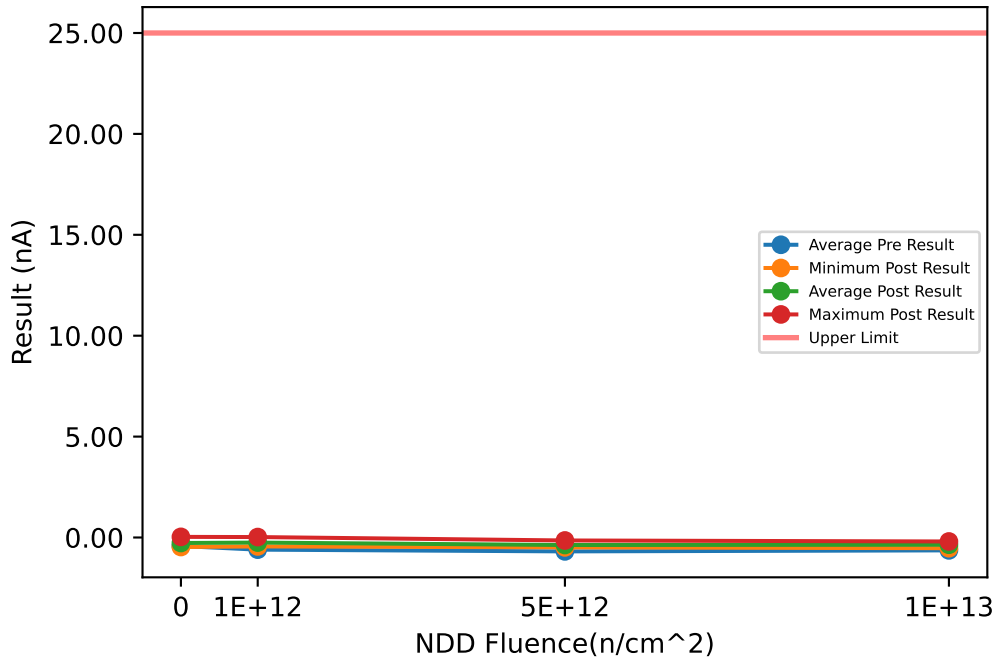


Test Statistics (nA)

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	-0.8927	-0.80442	-0.7552	0.063463	-0.5307	-0.359	-0.025	0.22913	0.2245	0.44543	0.8677	0.2875
1e+12	-0.7302	-0.5873	-0.4857	0.10291	-0.4901	-0.3387	-0.0874	0.18117	-0.0044	0.2486	0.6428	0.28239
5e+12	-0.7117	-0.59195	-0.5025	0.096473	-0.5807	-0.40192	-0.078	0.23138	-0.0532	0.19002	0.4482	0.23298
1e+13	-0.7177	-0.577	-0.5075	0.096584	-0.5495	-0.2888	-0.0968	0.19828	0.1682	0.2882	0.4649	0.14151

Device Test: 19.17 CURRENT|EA//12/12/0/0/5/100kHz//@EA_IB

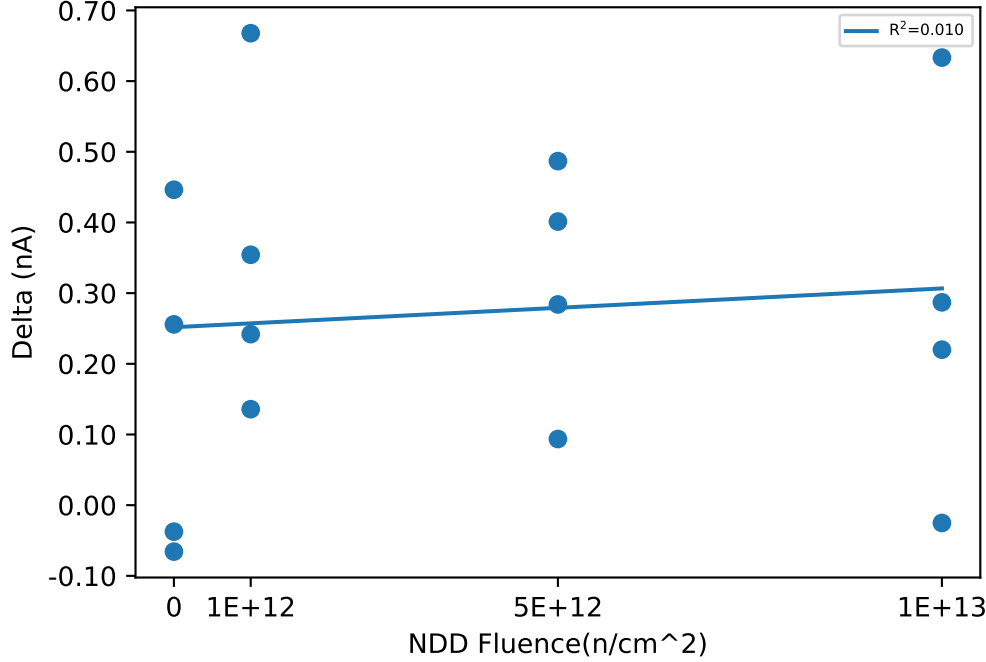
NDD vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.5822	-0.3402	0.242
489	1e+12	NDD	-0.6459	0.0219	0.6678
583	1e+12	NDD	-0.5791	-0.4433	0.1358
594	1e+12	NDD	-0.6009	-0.2466	0.3543
624	5e+12	NDD	-0.9301	-0.4433	0.4868
839	5e+12	NDD	-0.548	-0.1467	0.4013
919	5e+12	NDD	-0.7741	-0.4901	0.284
938	5e+12	NDD	-0.5025	-0.4089	0.0936
988	1e+13	NDD	-0.83	-0.1967	0.6333
1176	1e+13	NDD	-0.5055	-0.5307	-0.0252
1197	1e+13	NDD	-0.6289	-0.4089	0.22
1246	0	CORRELATION	-0.4057	-0.4714	-0.0657
1277	1e+13	NDD	-0.5867	-0.2997	0.287
1357	0	CORRELATION	-0.4868	-0.231	0.2558
1410	0	CORRELATION	-0.3808	-0.4183	-0.0375
1437	0	CORRELATION	-0.4151	0.0312	0.4463

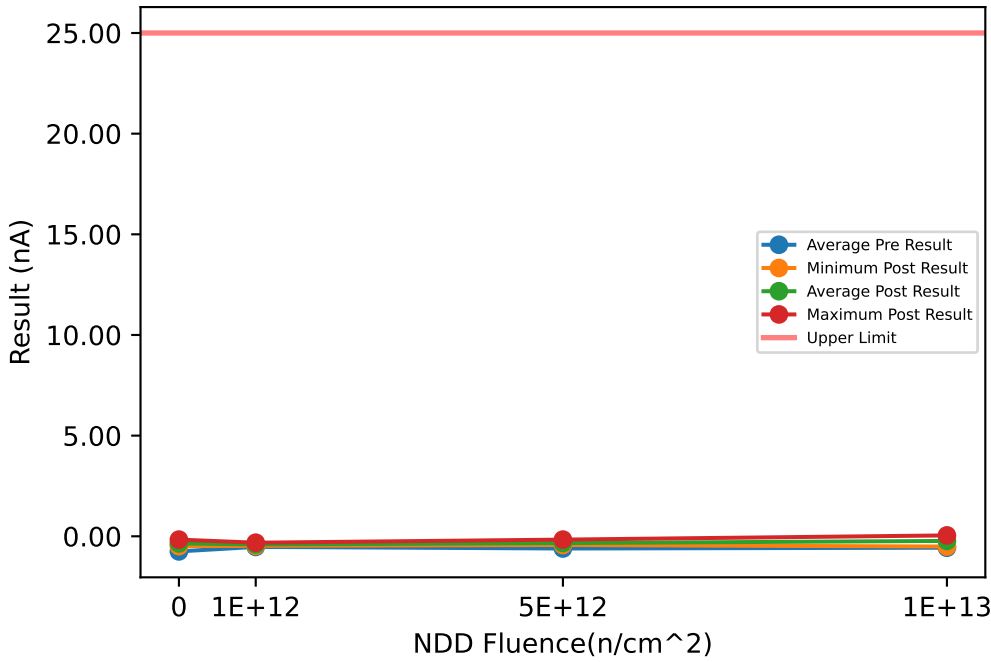
NDD vs Post - Pre Exposure Delta



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	-0.4868	-0.4221	-0.3808	0.045496	-0.4714	-0.27238	0.0312	0.22714	-0.0657	0.14973	0.4463	0.2454
1e+12	-0.6459	-0.60203	-0.5791	0.030794	-0.4433	-0.25205	0.0219	0.19952	0.1358	0.34997	0.6678	0.2299
5e+12	-0.9301	-0.68868	-0.5025	0.20003	-0.4901	-0.37225	-0.1467	0.15401	0.0936	0.31643	0.4868	0.17023
1e+13	-0.83	-0.63777	-0.5055	0.138	-0.5307	-0.359	-0.1967	0.14356	-0.0252	0.27877	0.6333	0.27179

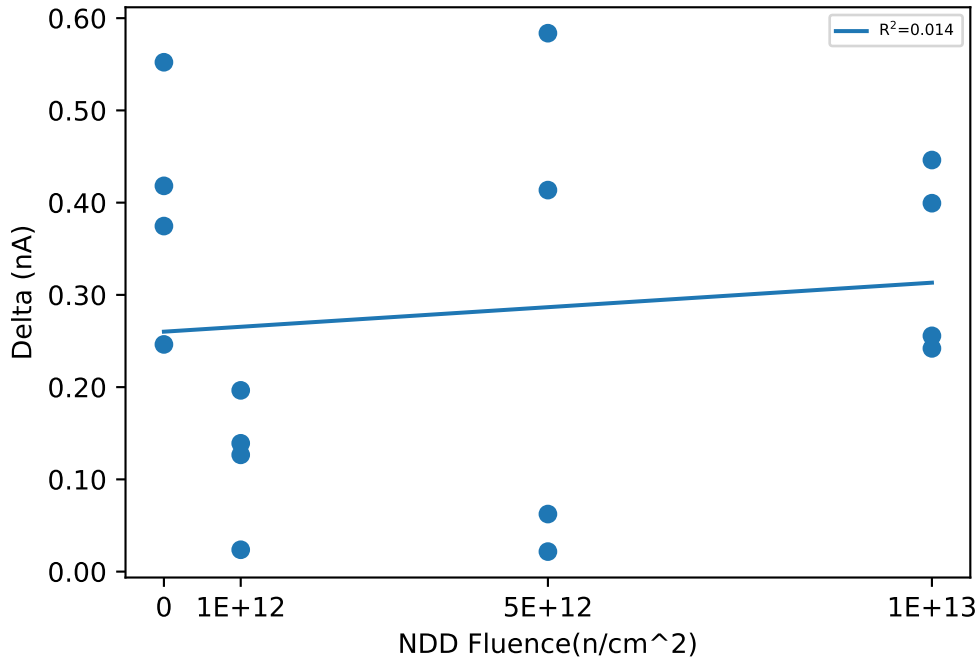
NDD vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.5324	-0.4058	0.1266
489	1e+12	NDD	-0.5149	-0.3184	0.1965
583	1e+12	NDD	-0.4982	-0.4745	0.0237
594	1e+12	NDD	-0.5636	-0.4245	0.1391
624	5e+12	NDD	-0.4151	-0.3934	0.0217
839	5e+12	NDD	-0.5791	-0.1655	0.4136
919	5e+12	NDD	-0.4963	-0.4339	0.0624
938	5e+12	NDD	-0.9364	-0.3527	0.5837
988	1e+13	NDD	-0.4025	0.0437	0.4462
1176	1e+13	NDD	-0.7645	-0.5089	0.2556
1197	1e+13	NDD	-0.5698	-0.3278	0.242
1246	0	CORRELATION	-0.7364	-0.4901	0.2463
1277	1e+13	NDD	-0.5336	-0.1342	0.3994
1357	0	CORRELATION	-0.7177	-0.1655	0.5522
1410	0	CORRELATION	-0.8365	-0.4183	0.4182
1437	0	CORRELATION	-0.7117	-0.3371	0.3746

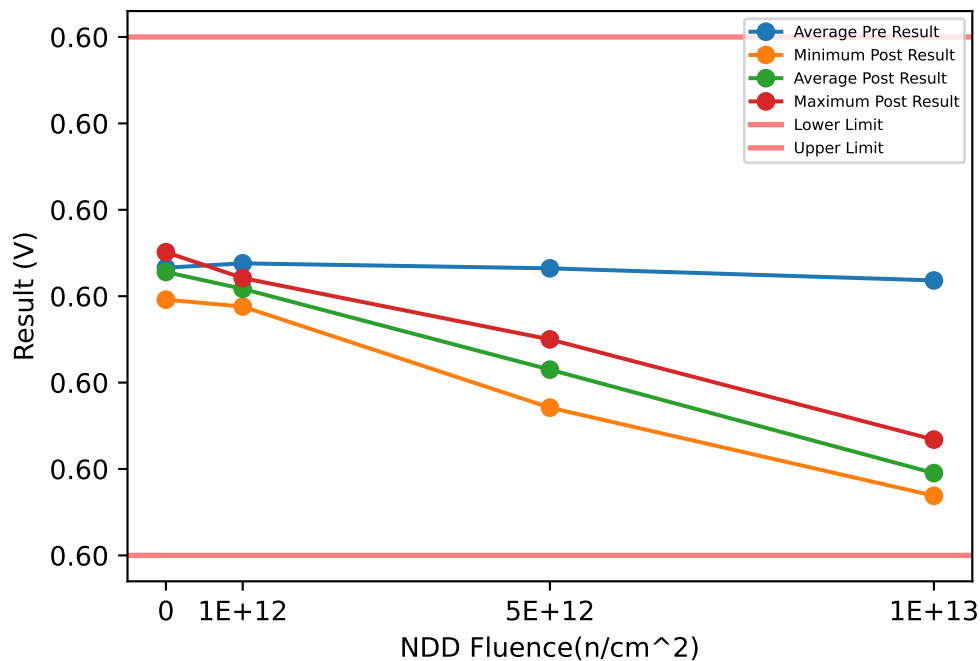
NDD vs Post - Pre Exposure Delta



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	-0.8365	-0.75057	-0.7117	0.058241	-0.4901	-0.35275	-0.1655	0.13961	0.2463	0.39783	0.5522	0.12616
1e+12	-0.5636	-0.52727	-0.4982	0.027954	-0.4745	-0.4058	-0.3184	0.065085	0.0237	0.12147	0.1965	0.071939
5e+12	-0.9364	-0.60672	-0.4151	0.22976	-0.4339	-0.33637	-0.1655	0.11864	0.0217	0.27035	0.5837	0.27312
1e+13	-0.7645	-0.5676	-0.4025	0.14965	-0.5089	-0.2318	0.0437	0.23904	0.242	0.3358	0.4462	0.10241

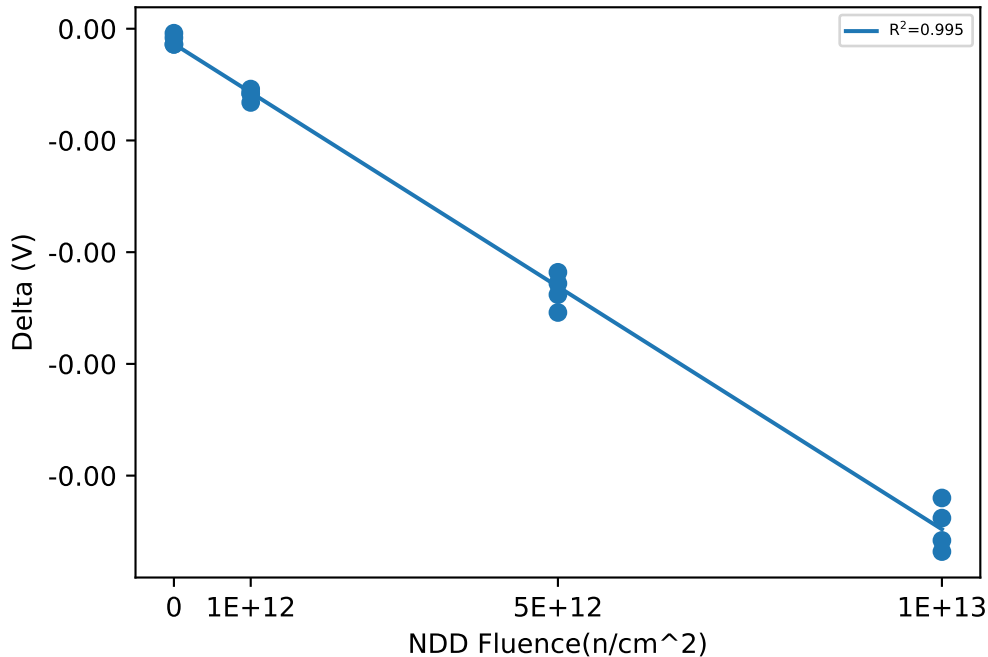
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60032	0.60005	-0.00027
489	1e+12	NDD	0.60049	0.6002	-0.00029
583	1e+12	NDD	0.60021	0.59988	-0.00033
594	1e+12	NDD	0.6005	0.60021	-0.00029
624	5e+12	NDD	0.60064	0.5995	-0.00114
839	5e+12	NDD	0.6004	0.59931	-0.00109
919	5e+12	NDD	0.60035	0.59908	-0.00127
938	5e+12	NDD	0.5999	0.59871	-0.00119
988	1e+13	NDD	0.60007	0.59773	-0.00234
1176	1e+13	NDD	0.60044	0.59834	-0.0021
1197	1e+13	NDD	0.60034	0.59805	-0.00229
1246	0	CORRELATION	0.60035	0.60031	-4e-05
1277	1e+13	NDD	0.59988	0.59769	-0.00219
1357	0	CORRELATION	0.60058	0.60051	-7e-05
1410	0	CORRELATION	0.59998	0.59996	-2e-05
1437	0	CORRELATION	0.60041	0.60034	-7e-05

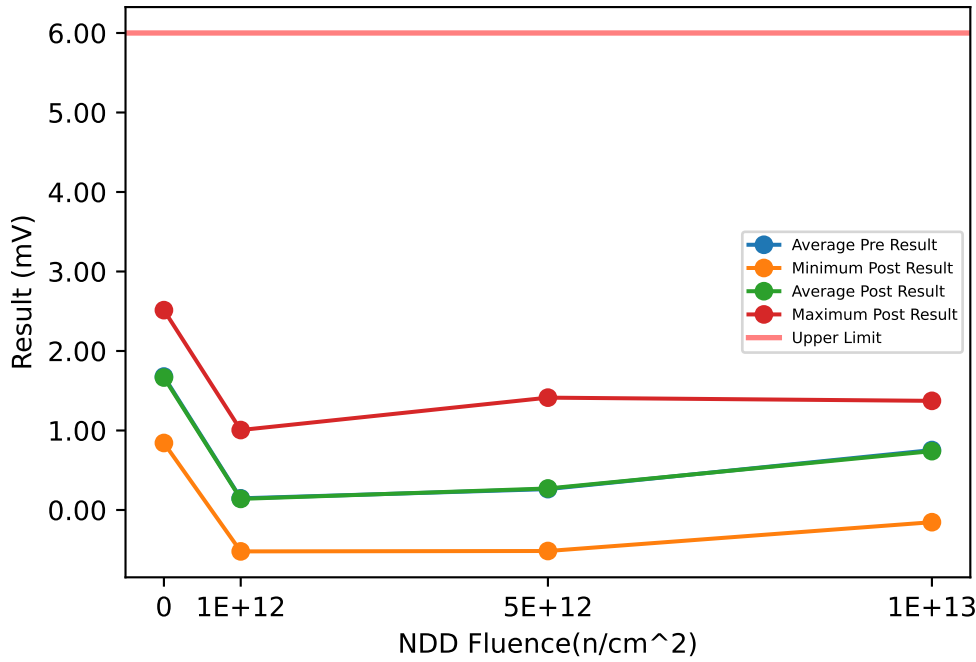
NDD vs Post - Pre Exposure Delta



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	0.59998	0.60033	0.60058	0.00025285	0.59996	0.60028	0.60051	0.0002308	-7e-05	-5e-05	-2e-05	2.4495e-05
1e+12	0.60021	0.60038	0.6005	0.00014024	0.59988	0.60008	0.60021	0.00015503	-0.00033	-0.000295	-0.00027	2.5166e-05
5e+12	0.5999	0.60032	0.60064	0.0003088	0.59871	0.59915	0.5995	0.0003399	-0.00127	-0.0011725	-0.00109	7.6757e-05
1e+13	0.59988	0.60018	0.60044	0.00025513	0.59769	0.59795	0.59834	0.00030445	-0.00234	-0.00223	-0.0021	0.00010677

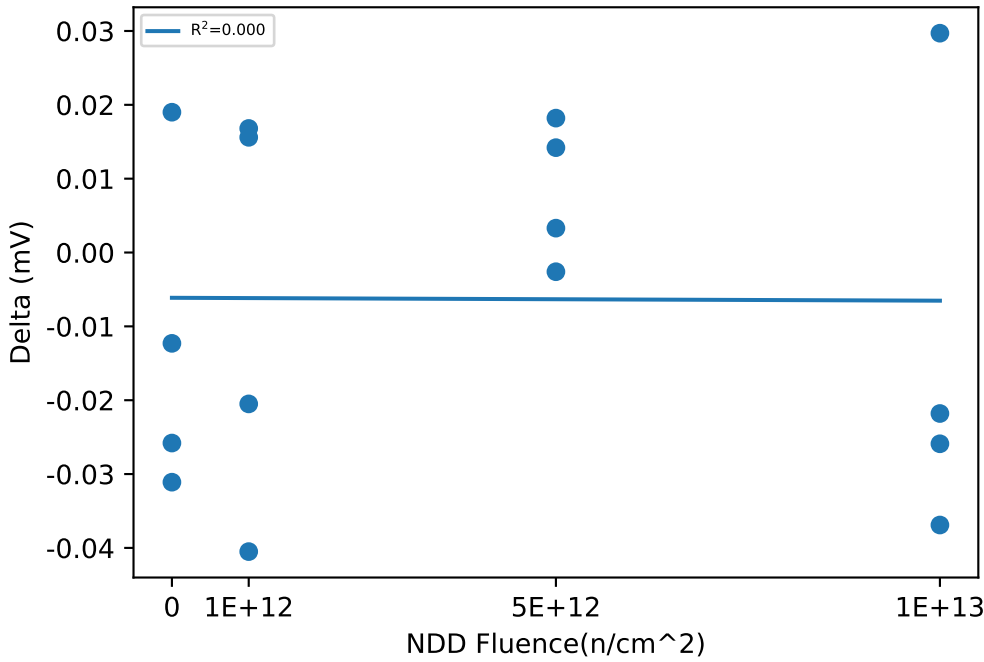
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.9901	1.0057	0.0156
489	1e+12	NDD	0.0676	0.0271	-0.0405
583	1e+12	NDD	0.0673	0.0468	-0.0205
594	1e+12	NDD	-0.5376	-0.5208	0.0168
624	5e+12	NDD	-0.5192	-0.5159	0.0033
839	5e+12	NDD	1.399	1.4132	0.0142
919	5e+12	NDD	0.4039	0.4221	0.0182
938	5e+12	NDD	-0.2336	-0.2362	-0.0026
988	1e+13	NDD	1.0514	1.0145	-0.0369
1176	1e+13	NDD	-0.1316	-0.1534	-0.0218
1197	1e+13	NDD	0.7529	0.727	-0.0259
1246	0	CORRELATION	2.1547	2.1424	-0.0123
1277	1e+13	NDD	1.3432	1.3729	0.0297
1357	0	CORRELATION	0.874	0.8429	-0.0311
1410	0	CORRELATION	2.4948	2.5138	0.019
1437	0	CORRELATION	1.1913	1.1655	-0.0258

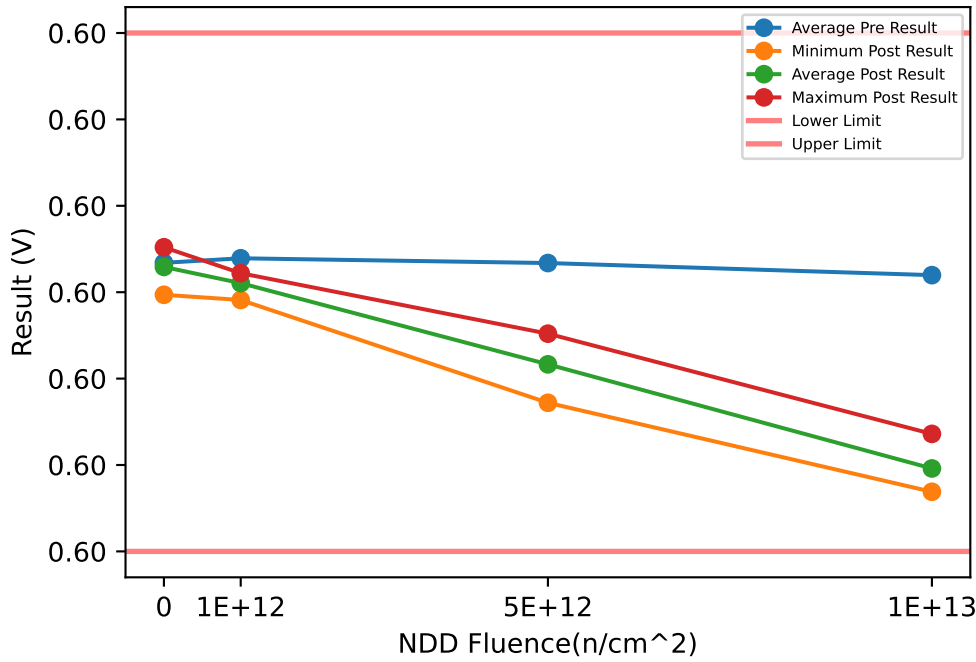
NDD vs Post - Pre Exposure Delta



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	0.874	1.6787	2.4948	0.76978	0.8429	1.6661	2.5138	0.7903	-0.0311	-0.01255	0.019	0.022473
1e+12	-0.5376	0.14685	0.9901	0.63038	-0.5208	0.1397	1.0057	0.63444	-0.0405	-0.00715	0.0168	0.028176
5e+12	-0.5192	0.26253	1.399	0.85025	-0.5159	0.2708	1.4132	0.85711	-0.0026	0.008275	0.0182	0.0096026
1e+13	-0.1316	0.75397	1.3432	0.63768	-0.1534	0.74025	1.3729	0.65173	-0.0369	-0.013725	0.0297	0.029644

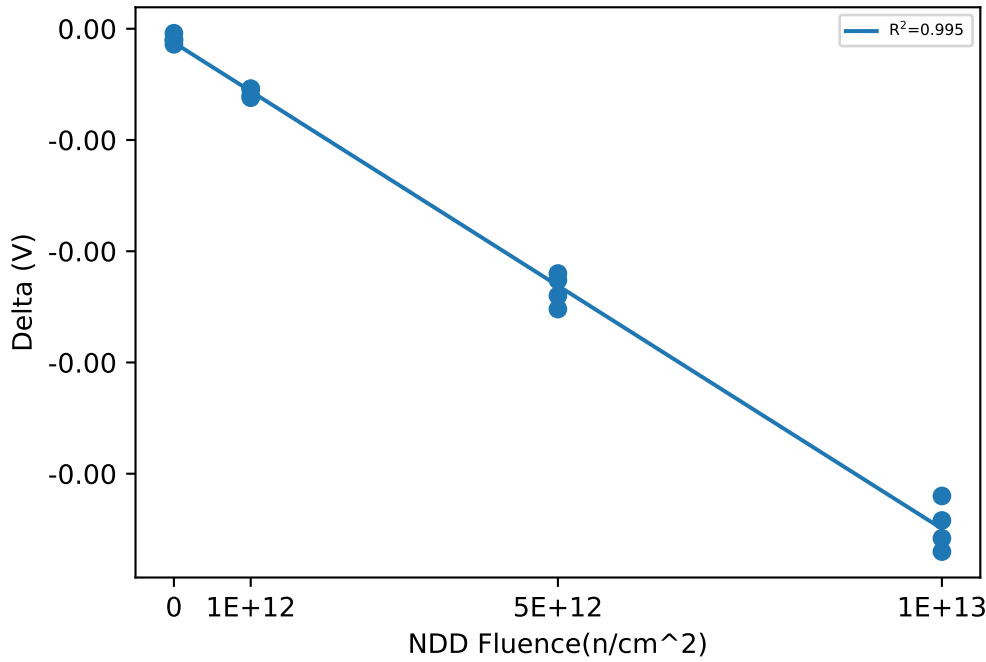
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60034	0.60007	-0.00027
489	1e+12	NDD	0.60049	0.60022	-0.00027
583	1e+12	NDD	0.60022	0.59991	-0.00031
594	1e+12	NDD	0.60052	0.60022	-0.0003
624	5e+12	NDD	0.60065	0.59952	-0.00113
839	5e+12	NDD	0.60042	0.59932	-0.0011
919	5e+12	NDD	0.60036	0.5991	-0.00126
938	5e+12	NDD	0.59992	0.59872	-0.0012
988	1e+13	NDD	0.60008	0.59773	-0.00235
1176	1e+13	NDD	0.60046	0.59836	-0.0021
1197	1e+13	NDD	0.60035	0.59806	-0.00229
1246	0	CORRELATION	0.60037	0.60032	-5e-05
1277	1e+13	NDD	0.5999	0.59769	-0.00221
1357	0	CORRELATION	0.60059	0.60052	-7e-05
1410	0	CORRELATION	0.59999	0.59997	-2e-05
1437	0	CORRELATION	0.60041	0.60036	-5e-05

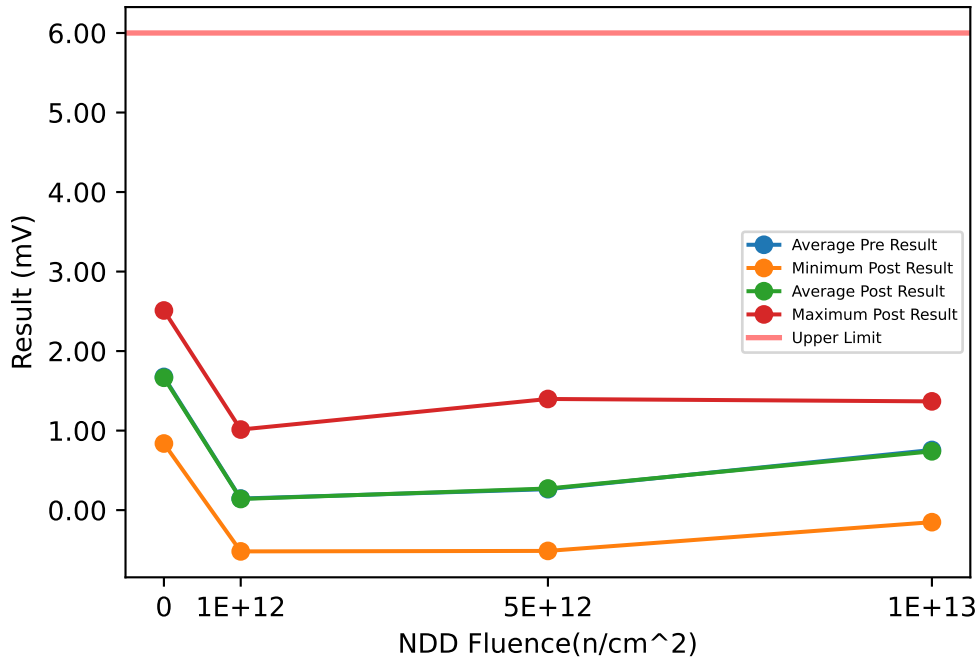
NDD vs Post - Pre Exposure Delta



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	0.59999	0.60034	0.60059	0.00025219	0.59997	0.60029	0.60052	0.00023171	-7e-05	-4.75e-05	-2e-05	2.0616e-05
1e+12	0.60022	0.60039	0.60052	0.00013937	0.59991	0.6001	0.60022	0.00014799	-0.00031	-0.0002875	-0.00027	2.0616e-05
5e+12	0.59992	0.60034	0.60065	0.00030511	0.59872	0.59916	0.59952	0.00034269	-0.00126	-0.0011725	-0.0011	7.1822e-05
1e+13	0.5999	0.6002	0.60046	0.00025461	0.59769	0.59796	0.59836	0.00031401	-0.00235	-0.0022375	-0.0021	0.00010813

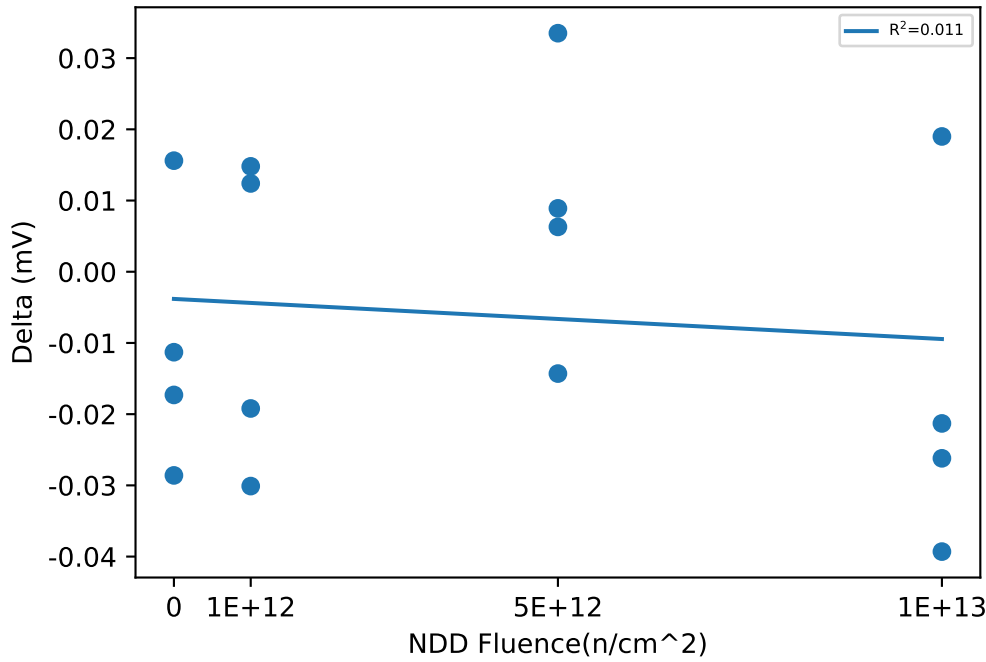
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.9984	1.0132	0.0148
489	1e+12	NDD	0.0583	0.0282	-0.0301
583	1e+12	NDD	0.0569	0.0377	-0.0192
594	1e+12	NDD	-0.5314	-0.519	0.0124
624	5e+12	NDD	-0.5192	-0.5129	0.0063
839	5e+12	NDD	1.4121	1.3978	-0.0143
919	5e+12	NDD	0.3996	0.4331	0.0335
938	5e+12	NDD	-0.2397	-0.2308	0.0089
988	1e+13	NDD	1.0531	1.0138	-0.0393
1176	1e+13	NDD	-0.1253	-0.1515	-0.0262
1197	1e+13	NDD	0.7494	0.7281	-0.0213
1246	0	CORRELATION	2.1509	2.1396	-0.0113
1277	1e+13	NDD	1.3487	1.3677	0.019
1357	0	CORRELATION	0.8664	0.8378	-0.0286
1410	0	CORRELATION	2.495	2.5106	0.0156
1437	0	CORRELATION	1.1876	1.1703	-0.0173

NDD vs Post - Pre Exposure Delta

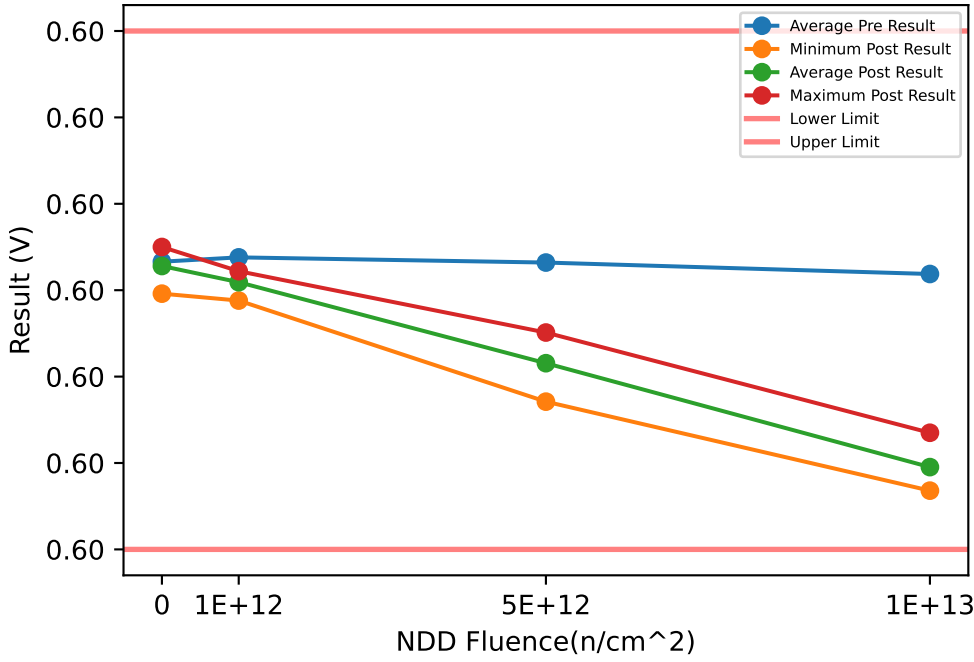


Test Statistics (mV)

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	0.8664	1.675	2.495	0.7725	0.8378	1.6646	2.5106	0.78936	-0.0286	-0.0104	0.0156	0.018759
1e+12	-0.5314	0.14555	0.9984	0.63274	-0.519	0.14003	1.0132	0.63763	-0.0301	-0.005525	0.0148	0.022549
5e+12	-0.5192	0.2632	1.4121	0.85706	-0.5129	0.2718	1.3978	0.84897	-0.0143	0.0086	0.0335	0.019577
1e+13	-0.1253	0.75648	1.3487	0.63673	-0.1515	0.73952	1.3677	0.64907	-0.0393	-0.01695	0.019	0.025142

Device Test: 19.25 VOLTAGE|VREF//12/12/0/0/5/500kHz//@VREF_25C

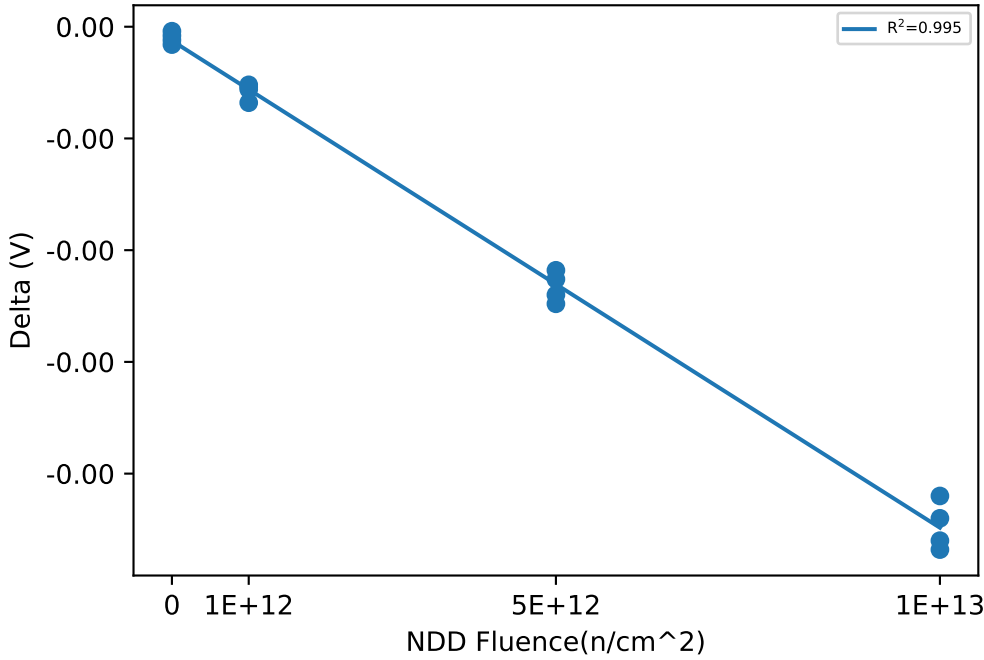
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60032	0.60006	-0.00026
489	1e+12	NDD	0.60048	0.60021	-0.00027
583	1e+12	NDD	0.60022	0.59988	-0.00034
594	1e+12	NDD	0.6005	0.60022	-0.00028
624	5e+12	NDD	0.60064	0.59951	-0.00113
839	5e+12	NDD	0.6004	0.59931	-0.00109
919	5e+12	NDD	0.60033	0.59909	-0.00124
938	5e+12	NDD	0.59991	0.59871	-0.0012
988	1e+13	NDD	0.60007	0.59773	-0.00234
1176	1e+13	NDD	0.60045	0.59835	-0.0021
1197	1e+13	NDD	0.60035	0.59805	-0.0023
1246	0	CORRELATION	0.60036	0.60032	-4e-05
1277	1e+13	NDD	0.59988	0.59768	-0.0022
1357	0	CORRELATION	0.60058	0.6005	-8e-05
1410	0	CORRELATION	0.59998	0.59996	-2e-05
1437	0	CORRELATION	0.6004	0.60034	-6e-05

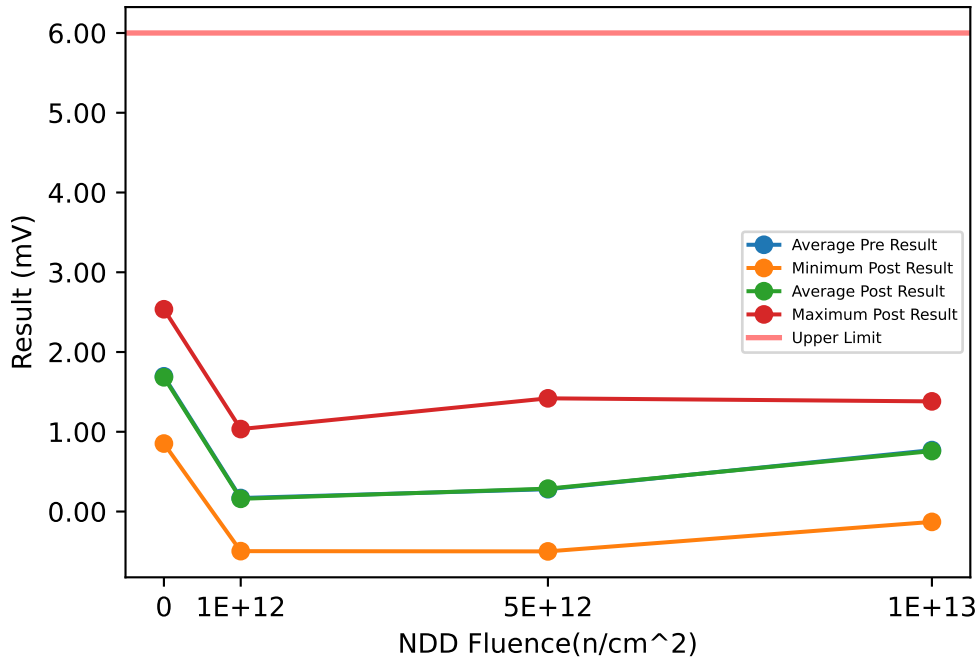
NDD vs Post - Pre Exposure Delta



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	0.59998	0.60033	0.60058	0.00025219	0.59996	0.60028	0.6005	0.00022804	-8e-05	-5e-05	-2e-05	2.582e-05
1e+12	0.60022	0.60038	0.6005	0.00013367	0.59988	0.60009	0.60022	0.00015945	-0.00034	-0.0002875	-0.00026	3.594e-05
5e+12	0.59991	0.60032	0.60064	0.00030386	0.59871	0.59915	0.59951	0.00034269	-0.00124	-0.001165	-0.00109	6.7577e-05
1e+13	0.59988	0.60019	0.60045	0.00026056	0.59768	0.59795	0.59835	0.0003116	-0.00234	-0.002235	-0.0021	0.00010755

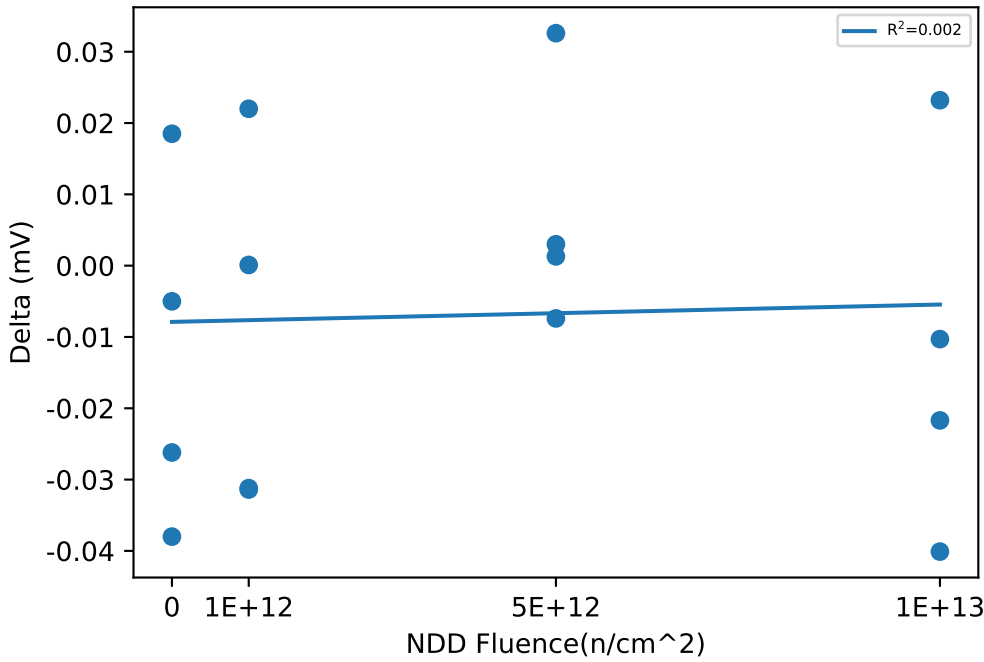
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.0118	1.0338	0.022
489	1e+12	NDD	0.0801	0.0487	-0.0314
583	1e+12	NDD	0.0827	0.0515	-0.0312
594	1e+12	NDD	-0.4969	-0.4968	0.0001
624	5e+12	NDD	-0.5012	-0.4999	0.0013
839	5e+12	NDD	1.4267	1.4193	-0.0074
919	5e+12	NDD	0.4154	0.448	0.0326
938	5e+12	NDD	-0.2225	-0.2195	0.003
988	1e+13	NDD	1.0715	1.0314	-0.0401
1176	1e+13	NDD	-0.1197	-0.13	-0.0103
1197	1e+13	NDD	0.7711	0.7494	-0.0217
1246	0	CORRELATION	2.1702	2.1652	-0.005
1277	1e+13	NDD	1.358	1.3812	0.0232
1357	0	CORRELATION	0.8904	0.8524	-0.038
1410	0	CORRELATION	2.5176	2.5361	0.0185
1437	0	CORRELATION	1.2041	1.1779	-0.0262

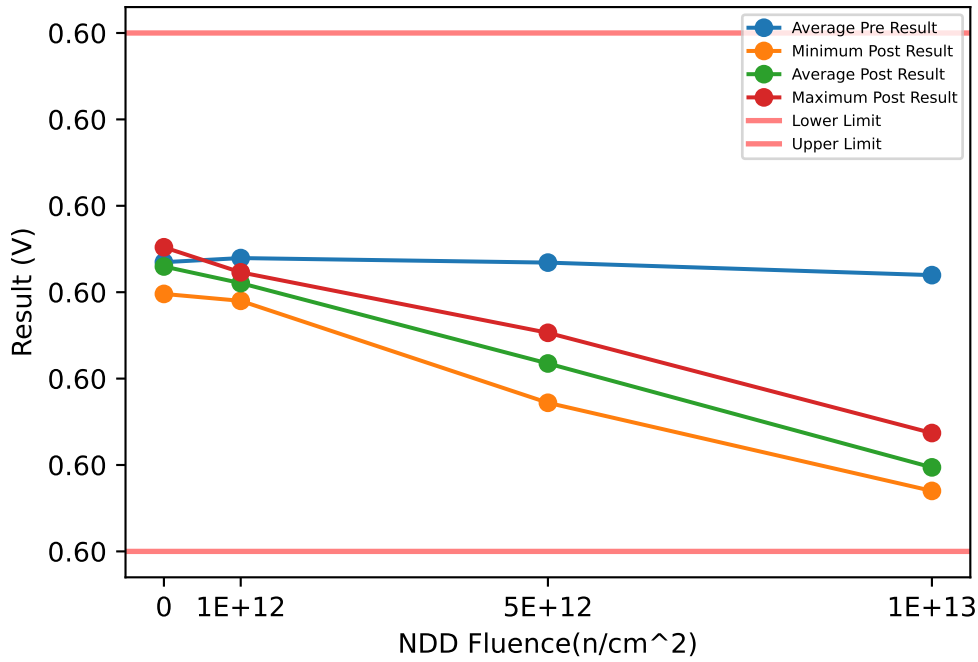
NDD vs Post - Pre Exposure Delta



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	0.8904	1.6956	2.5176	0.77263	0.8524	1.6829	2.5361	0.79694	-0.038	-0.012675	0.0185	0.024867
1e+12	-0.4969	0.16942	1.0118	0.62426	-0.4968	0.1593	1.0338	0.63746	-0.0314	-0.010125	0.022	0.026034
5e+12	-0.5012	0.2796	1.4267	0.85558	-0.4999	0.28697	1.4193	0.85319	-0.0074	0.007375	0.0326	0.017423
1e+13	-0.1197	0.77022	1.358	0.63985	-0.13	0.758	1.3812	0.64595	-0.0401	-0.012225	0.0232	0.026617

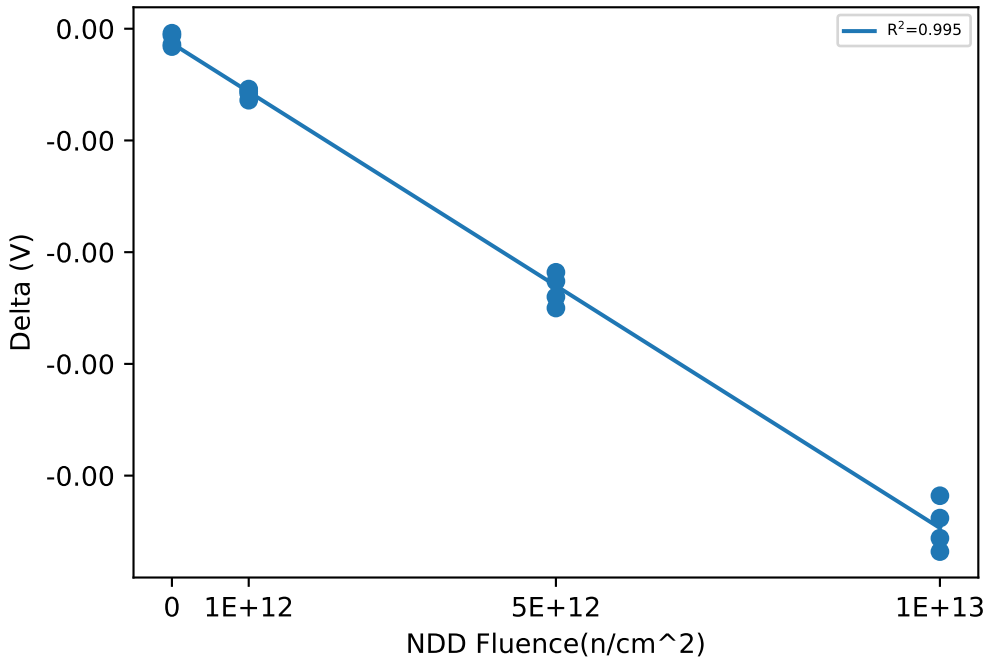
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60034	0.60007	-0.00027
489	1e+12	NDD	0.6005	0.60022	-0.00028
583	1e+12	NDD	0.60022	0.5999	-0.00032
594	1e+12	NDD	0.60052	0.60023	-0.00029
624	5e+12	NDD	0.60066	0.59953	-0.00113
839	5e+12	NDD	0.60042	0.59933	-0.00109
919	5e+12	NDD	0.60037	0.59912	-0.00125
938	5e+12	NDD	0.59992	0.59872	-0.0012
988	1e+13	NDD	0.60009	0.59775	-0.00234
1176	1e+13	NDD	0.60046	0.59837	-0.00209
1197	1e+13	NDD	0.60035	0.59807	-0.00228
1246	0	CORRELATION	0.60037	0.60034	-3e-05
1277	1e+13	NDD	0.59989	0.5977	-0.00219
1357	0	CORRELATION	0.6006	0.60052	-8e-05
1410	0	CORRELATION	0.6	0.59998	-2e-05
1437	0	CORRELATION	0.60042	0.60035	-7e-05

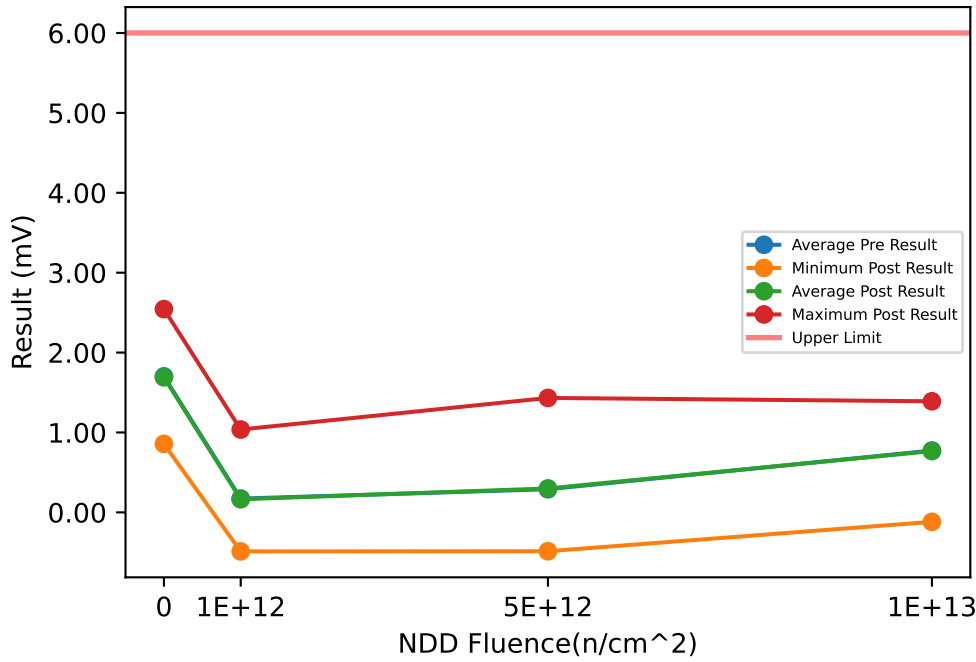
NDD vs Post - Pre Exposure Delta



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	0.6	0.60035	0.6006	0.00025184	0.59998	0.6003	0.60052	0.00022721	-8e-05	-5e-05	-2e-05	2.9439e-05
1e+12	0.60022	0.6004	0.60052	0.00014177	0.5999	0.6001	0.60023	0.00015503	-0.00032	-0.00029	-0.00027	2.1602e-05
5e+12	0.59992	0.60034	0.60066	0.0003088	0.59872	0.59918	0.59953	0.00034646	-0.00125	-0.0011675	-0.00109	7.1356e-05
1e+13	0.59989	0.6002	0.60046	0.00025708	0.5977	0.59797	0.59837	0.0003116	-0.00234	-0.002225	-0.00209	0.00010909

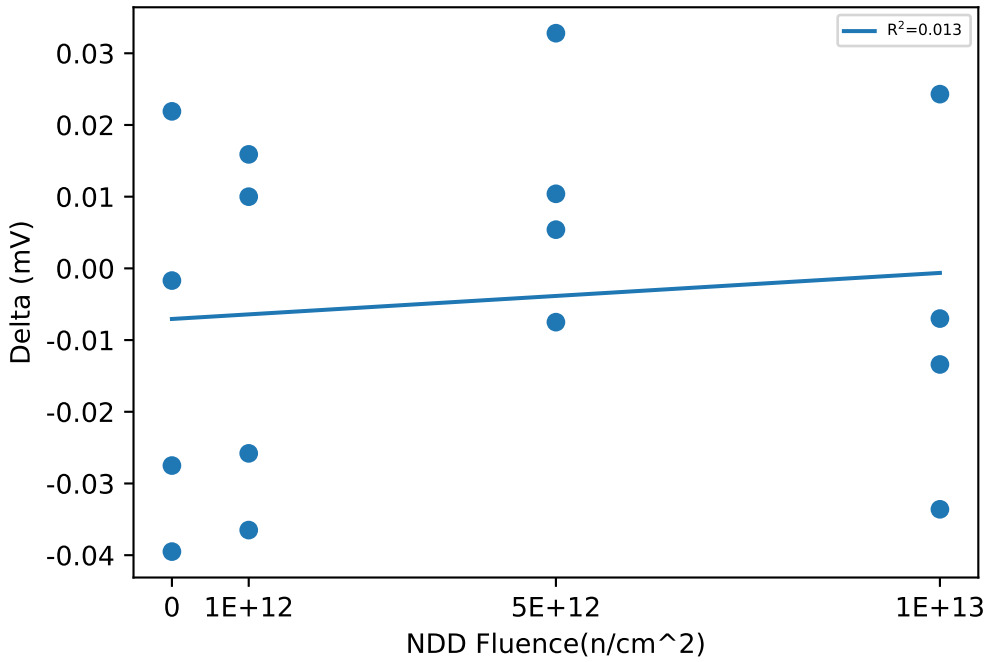
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.027	1.037	0.01
489	1e+12	NDD	0.0851	0.0486	-0.0365
583	1e+12	NDD	0.0837	0.0579	-0.0258
594	1e+12	NDD	-0.5043	-0.4884	0.0159
624	5e+12	NDD	-0.4968	-0.4864	0.0104
839	5e+12	NDD	1.4399	1.4324	-0.0075
919	5e+12	NDD	0.43	0.4628	0.0328
938	5e+12	NDD	-0.2157	-0.2103	0.0054
988	1e+13	NDD	1.0707	1.0371	-0.0336
1176	1e+13	NDD	-0.1115	-0.1185	-0.007
1197	1e+13	NDD	0.7713	0.7579	-0.0134
1246	0	CORRELATION	2.1757	2.174	-0.0017
1277	1e+13	NDD	1.3662	1.3905	0.0243
1357	0	CORRELATION	0.8968	0.8573	-0.0395
1410	0	CORRELATION	2.5221	2.544	0.0219
1437	0	CORRELATION	1.2139	1.1864	-0.0275

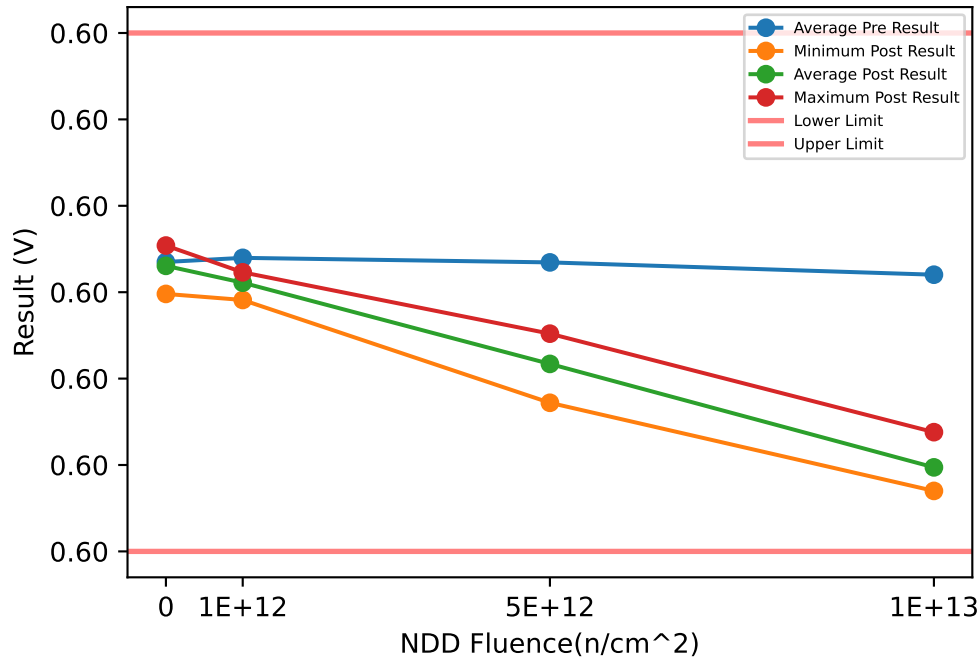
NDD vs Post - Pre Exposure Delta



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	0.8968	1.7021	2.5221	0.77105	0.8573	1.6904	2.544	0.79803	-0.0395	-0.0117	0.0219	0.027395
1e+12	-0.5043	0.17287	1.027	0.63344	-0.4884	0.16377	1.037	0.6357	-0.0365	-0.0091	0.0159	0.025945
5e+12	-0.4968	0.28935	1.4399	0.85958	-0.4864	0.29962	1.4324	0.85394	-0.0075	0.010275	0.0328	0.016804
1e+13	-0.1115	0.77418	1.3662	0.63845	-0.1185	0.76675	1.3905	0.64444	-0.0336	-0.007425	0.0243	0.023996

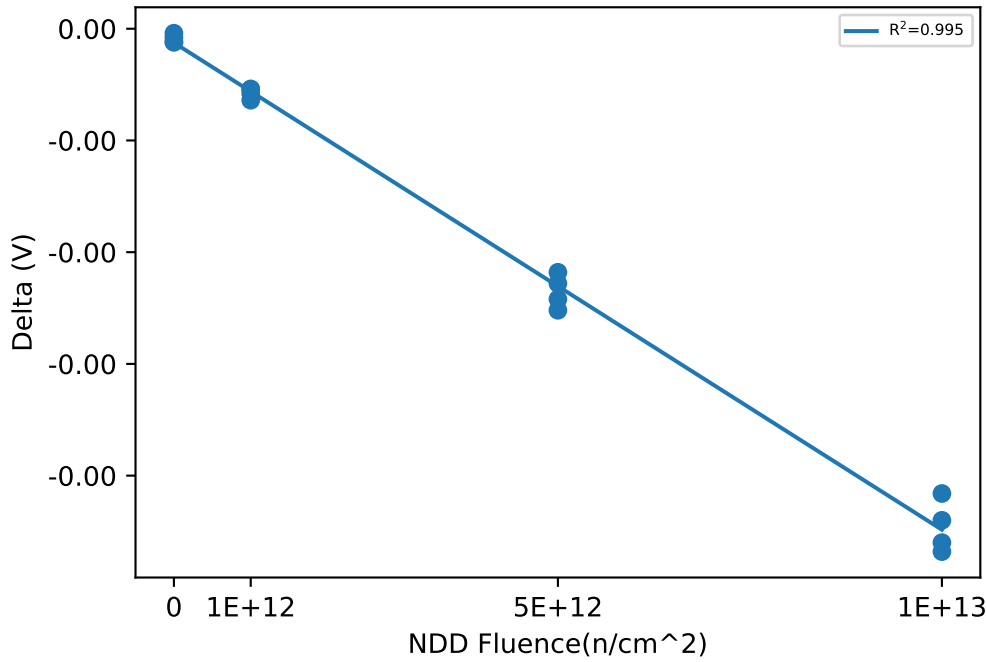
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60034	0.60007	-0.00027
489	1e+12	NDD	0.6005	0.60023	-0.00027
583	1e+12	NDD	0.60023	0.59991	-0.00032
594	1e+12	NDD	0.60052	0.60023	-0.00029
624	5e+12	NDD	0.60066	0.59952	-0.00114
839	5e+12	NDD	0.60042	0.59933	-0.00109
919	5e+12	NDD	0.60037	0.59911	-0.00126
938	5e+12	NDD	0.59993	0.59872	-0.00121
988	1e+13	NDD	0.60009	0.59775	-0.00234
1176	1e+13	NDD	0.60046	0.59838	-0.00208
1197	1e+13	NDD	0.60036	0.59806	-0.0023
1246	0	CORRELATION	0.60038	0.60034	-4e-05
1277	1e+13	NDD	0.5999	0.5977	-0.0022
1357	0	CORRELATION	0.6006	0.60054	-6e-05
1410	0	CORRELATION	0.6	0.59998	-2e-05
1437	0	CORRELATION	0.60042	0.60036	-6e-05

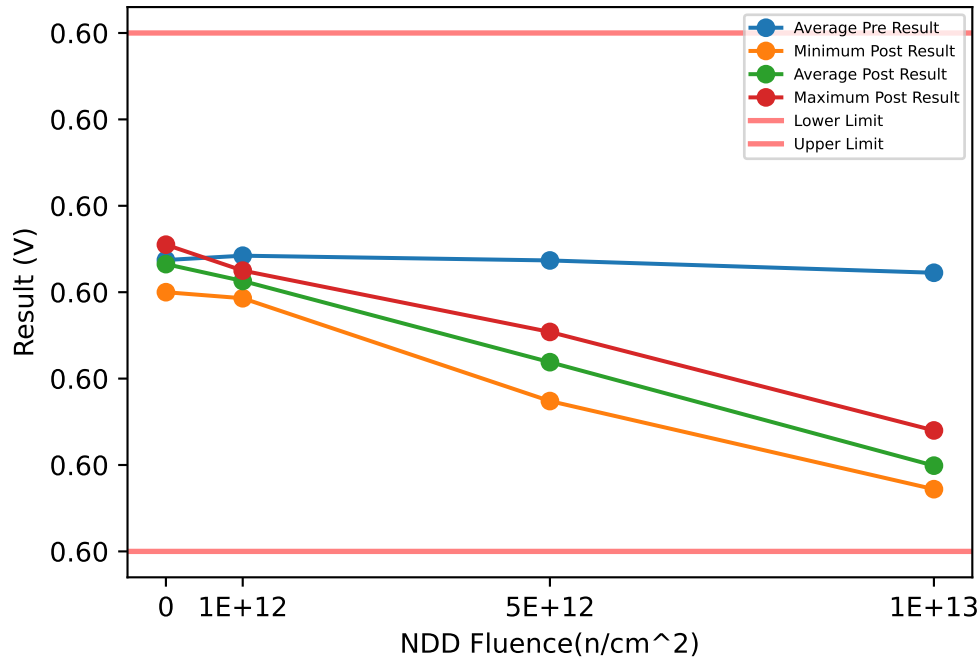
NDD vs Post - Pre Exposure Delta



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	0.6	0.60035	0.6006	0.00025219	0.59998	0.6003	0.60054	0.00023459	-6e-05	-4.5e-05	-2e-05	1.9149e-05
1e+12	0.60023	0.6004	0.60052	0.00013769	0.59991	0.60011	0.60023	0.00015319	-0.00032	-0.0002875	-0.00027	2.3629e-05
5e+12	0.59993	0.60034	0.60066	0.00030425	0.59872	0.59917	0.59952	0.00034361	-0.00126	-0.001175	-0.00109	7.5056e-05
1e+13	0.5999	0.6002	0.60046	0.00025513	0.5977	0.59797	0.59838	0.00031489	-0.00234	-0.00223	-0.00208	0.00011605

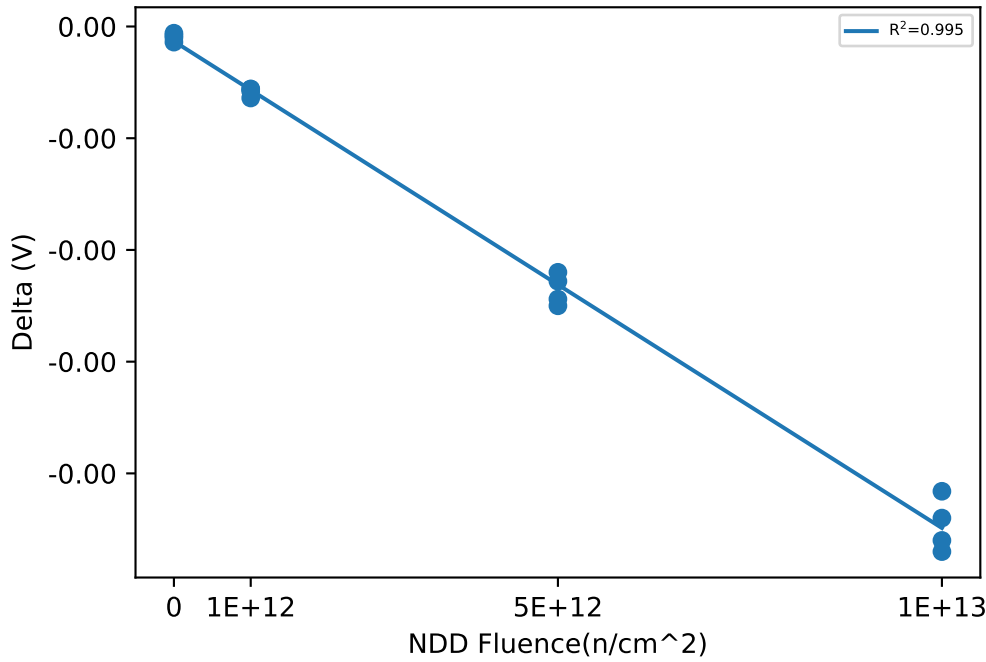
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60038	0.6001	-0.00028
489	1e+12	NDD	0.60052	0.60024	-0.00028
583	1e+12	NDD	0.60025	0.59993	-0.00032
594	1e+12	NDD	0.60054	0.60025	-0.00029
624	5e+12	NDD	0.60068	0.59954	-0.00114
839	5e+12	NDD	0.60045	0.59935	-0.0011
919	5e+12	NDD	0.60038	0.59913	-0.00125
938	5e+12	NDD	0.59996	0.59874	-0.00122
988	1e+13	NDD	0.60012	0.59777	-0.00235
1176	1e+13	NDD	0.60048	0.5984	-0.00208
1197	1e+13	NDD	0.60038	0.59808	-0.0023
1246	0	CORRELATION	0.6004	0.60036	-4e-05
1277	1e+13	NDD	0.59992	0.59772	-0.0022
1357	0	CORRELATION	0.60062	0.60055	-7e-05
1410	0	CORRELATION	0.60003	0.6	-3e-05
1437	0	CORRELATION	0.60044	0.60039	-5e-05

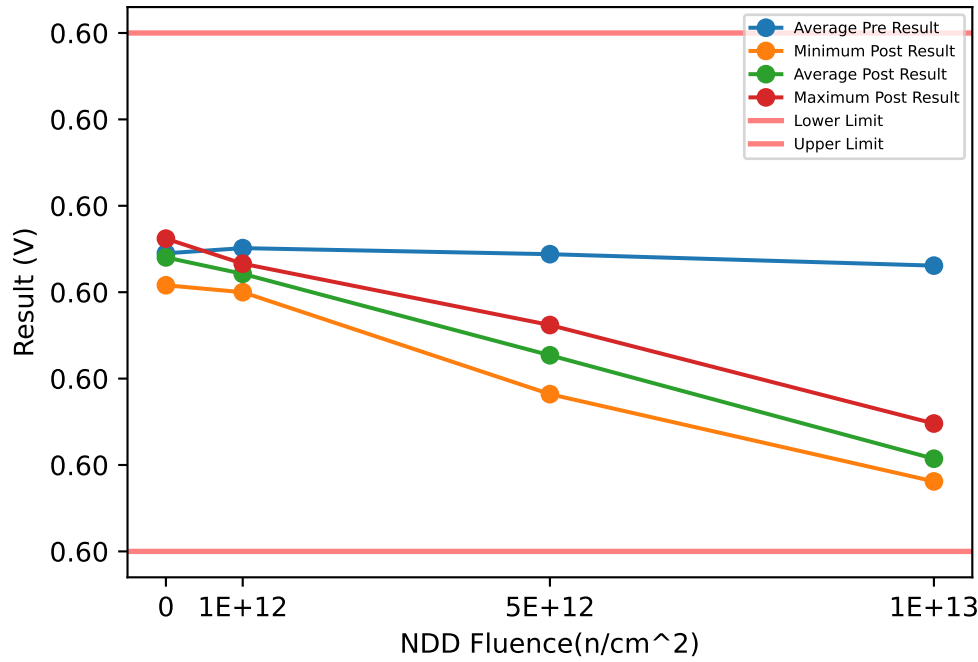
NDD vs Post - Pre Exposure Delta



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	0.60003	0.60037	0.60062	0.00024757	0.6	0.60032	0.60055	0.00023216	-7e-05	-4.75e-05	-3e-05	1.7078e-05
1e+12	0.60025	0.60042	0.60054	0.00013525	0.59993	0.60013	0.60025	0.00014989	-0.00032	-0.0002925	-0.00028	1.893e-05
5e+12	0.59996	0.60037	0.60068	0.00030037	0.59874	0.59919	0.59954	0.00034361	-0.00125	-0.0011775	-0.0011	6.9462e-05
1e+13	0.59992	0.60023	0.60048	0.00025371	0.59772	0.59799	0.5984	0.00031489	-0.00235	-0.0022325	-0.00208	0.00011927

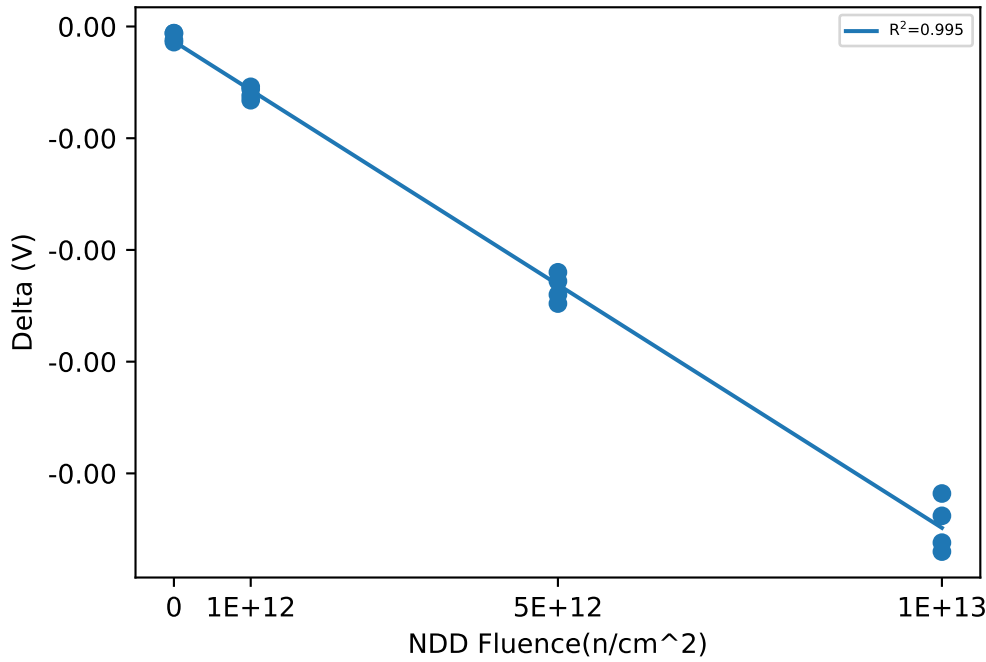
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60048	0.60021	-0.00027
489	1e+12	NDD	0.60059	0.60031	-0.00028
583	1e+12	NDD	0.60033	0.6	-0.00033
594	1e+12	NDD	0.60064	0.60033	-0.00031
624	5e+12	NDD	0.60076	0.59962	-0.00114
839	5e+12	NDD	0.60052	0.59942	-0.0011
919	5e+12	NDD	0.60046	0.59922	-0.00124
938	5e+12	NDD	0.60002	0.59882	-0.0012
988	1e+13	NDD	0.60019	0.59784	-0.00235
1176	1e+13	NDD	0.60057	0.59848	-0.00209
1197	1e+13	NDD	0.60047	0.59816	-0.00231
1246	0	CORRELATION	0.60048	0.60045	-3e-05
1277	1e+13	NDD	0.6	0.59781	-0.00219
1357	0	CORRELATION	0.60069	0.60062	-7e-05
1410	0	CORRELATION	0.60011	0.60008	-3e-05
1437	0	CORRELATION	0.60052	0.60046	-6e-05

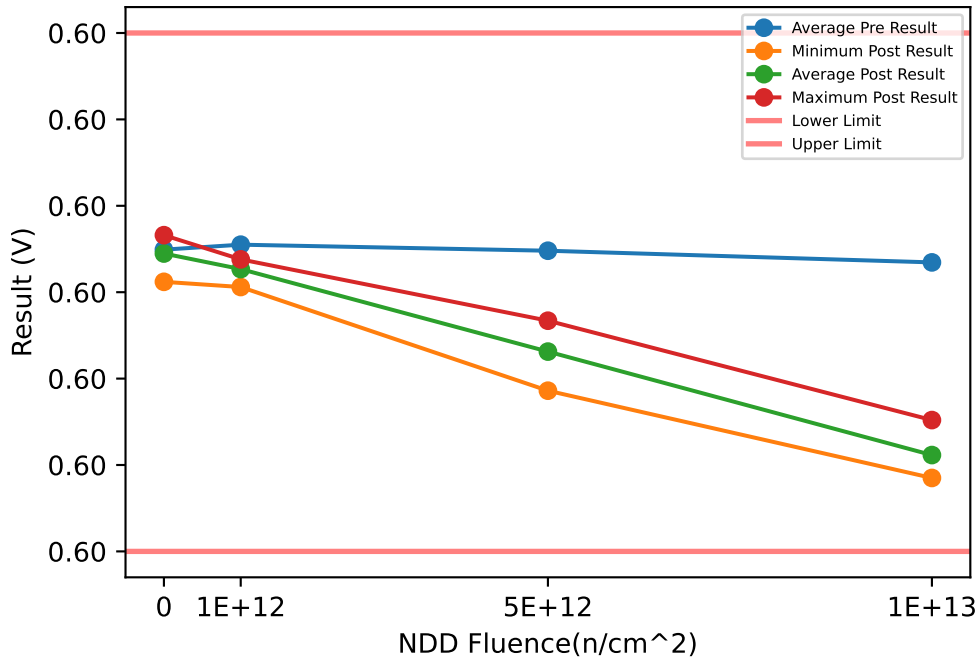
NDD vs Post - Pre Exposure Delta



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	0.60011	0.60045	0.60069	0.00024427	0.60008	0.6004	0.60062	0.00022867	-7e-05	-4.75e-05	-3e-05	2.0616e-05
1e+12	0.60033	0.60051	0.60064	0.00013736	0.6	0.60021	0.60033	0.00015108	-0.00033	-0.0002975	-0.00027	2.7538e-05
5e+12	0.60002	0.60044	0.60076	0.00030854	0.59882	0.59927	0.59962	0.00034157	-0.00124	-0.00117	-0.0011	6.2183e-05
1e+13	0.6	0.60031	0.60057	0.00026056	0.59781	0.59807	0.59848	0.00031447	-0.00235	-0.002235	-0.00209	0.00011818

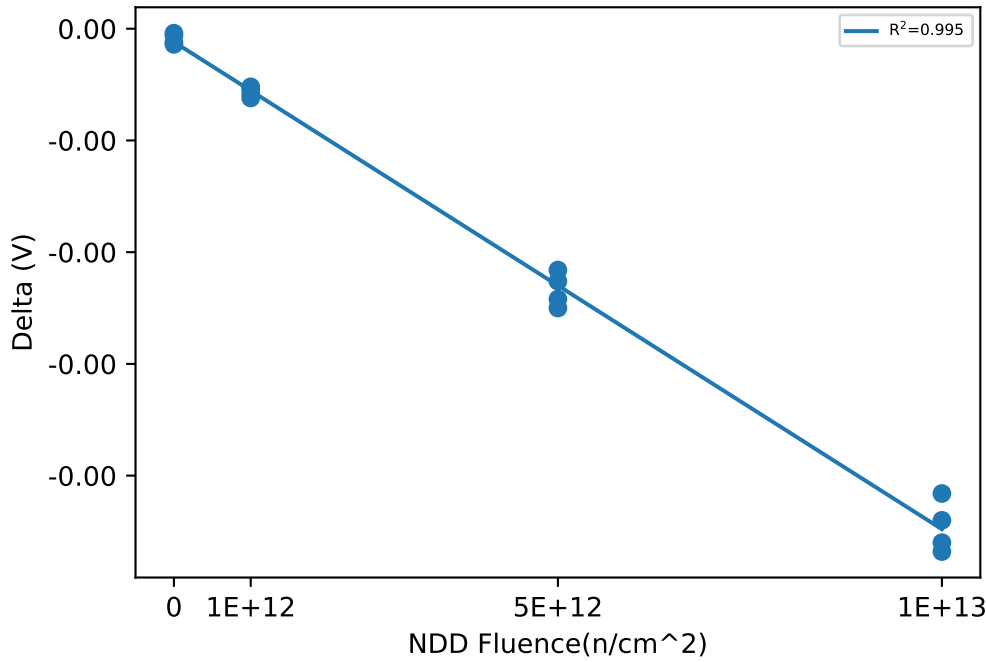
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60054	0.60028	-0.00026
489	1e+12	NDD	0.60062	0.60035	-0.00027
583	1e+12	NDD	0.60037	0.60006	-0.00031
594	1e+12	NDD	0.60067	0.60038	-0.00029
624	5e+12	NDD	0.6008	0.59967	-0.00113
839	5e+12	NDD	0.60055	0.59947	-0.00108
919	5e+12	NDD	0.6005	0.59925	-0.00125
938	5e+12	NDD	0.60007	0.59886	-0.00121
988	1e+13	NDD	0.60022	0.59788	-0.00234
1176	1e+13	NDD	0.6006	0.59852	-0.00208
1197	1e+13	NDD	0.60051	0.59821	-0.0023
1246	0	CORRELATION	0.60052	0.6005	-2e-05
1277	1e+13	NDD	0.60005	0.59785	-0.0022
1357	0	CORRELATION	0.60073	0.60066	-7e-05
1410	0	CORRELATION	0.60015	0.60012	-3e-05
1437	0	CORRELATION	0.60057	0.60051	-6e-05

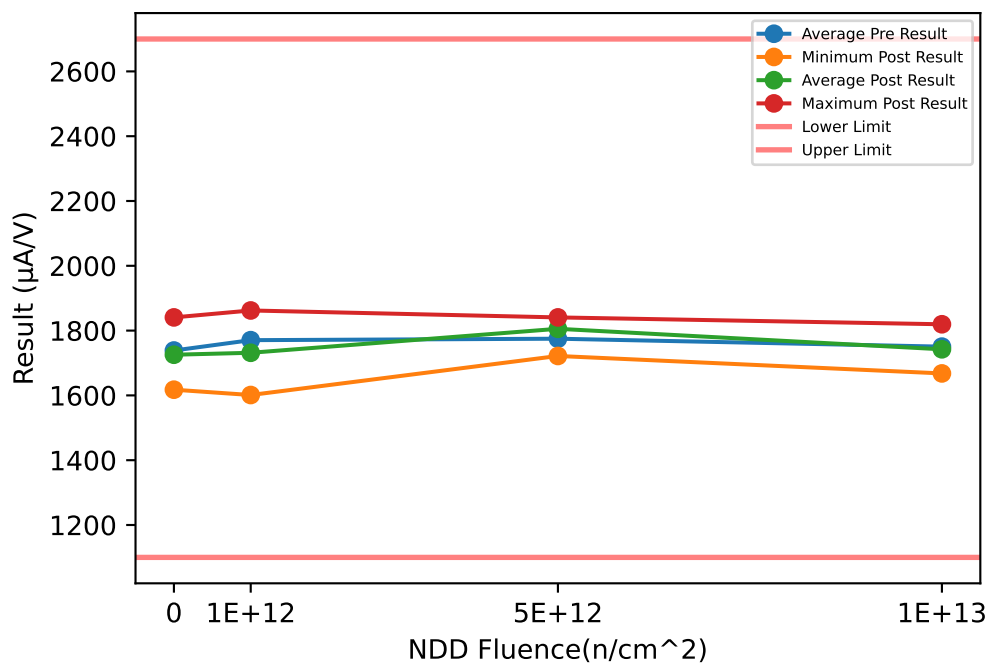
NDD vs Post - Pre Exposure Delta



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	0.60015	0.60049	0.60073	0.00024527	0.60012	0.60045	0.60066	0.00023027	-7e-05	-4.5e-05	-2e-05	2.3805e-05
1e+12	0.60037	0.60055	0.60067	0.0001314	0.60006	0.60027	0.60038	0.00014454	-0.00031	-0.0002825	-0.00026	2.2174e-05
5e+12	0.60007	0.60048	0.6008	0.00030321	0.59886	0.59931	0.59967	0.00034702	-0.00125	-0.0011675	-0.00108	7.6757e-05
1e+13	0.60005	0.60035	0.6006	0.00025489	0.59785	0.59811	0.59852	0.00031544	-0.00234	-0.00223	-0.00208	0.00011605

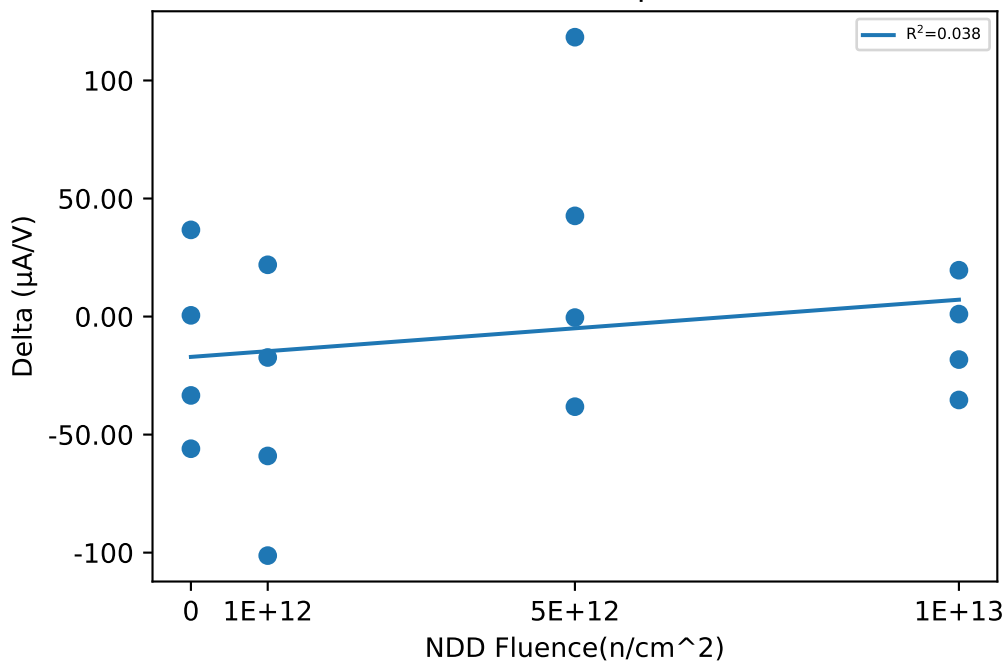
NDD vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 ($\mu A/V$))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	$1e+12$	NDD	1702.4	1601.2	-101.26
489	$1e+12$	NDD	1840.2	1862.1	21.926
583	$1e+12$	NDD	1818.5	1759.5	-59.044
594	$1e+12$	NDD	1720.7	1703.4	-17.339
624	$5e+12$	NDD	1819.9	1819.4	-0.4342
839	$5e+12$	NDD	1798.1	1840.7	42.651
919	$5e+12$	NDD	1722	1840.4	118.33
938	$5e+12$	NDD	1759.9	1721.7	-38.179
988	$1e+13$	NDD	1740.2	1722	-18.227
1176	$1e+13$	NDD	1703.2	1667.8	-35.335
1197	$1e+13$	NDD	1818.5	1819.5	1.0453
1246	0	CORRELATION	1759.3	1703.3	-55.987
1277	$1e+13$	NDD	1740.2	1759.8	19.631
1357	0	CORRELATION	1840.2	1840.7	0.5148
1410	0	CORRELATION	1703.7	1740.4	36.717
1437	0	CORRELATION	1651	1617.6	-33.405

NDD vs Post - Pre Exposure Delta

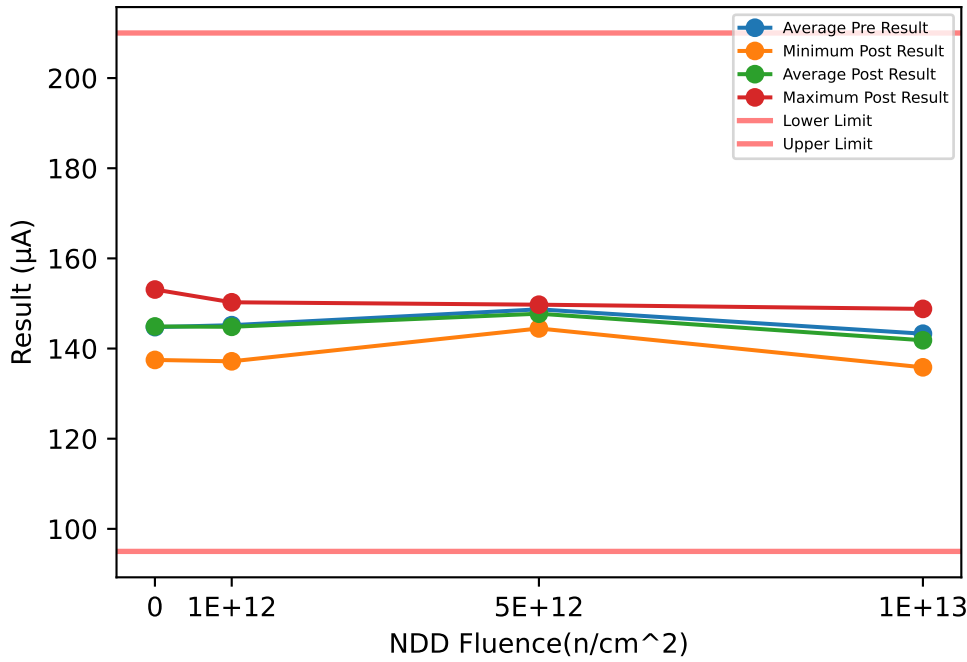


Test Statistics ($\mu A/V$)

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	1651	1738.6	1840.2	80.913	1617.6	1725.5	1840.7	92.429	-55.987	-13.04	36.717	40.492
$1e+12$	1702.4	1770.5	1840.2	68.98	1601.2	1731.5	1862.1	108.97	-101.26	-38.928	21.926	53.1
$5e+12$	1722	1775	1819.9	43.129	1721.7	1805.6	1840.7	56.785	-38.179	30.593	118.33	67.172
$1e+13$	1703.2	1750.5	1818.5	48.565	1667.8	1742.3	1819.5	63.852	-35.335	-8.2214	19.631	23.783

Device Test: 19.40 CURRENT|EA_SOURCE//8/8/0/0/5/500kHz//@EA_I_SOURCE

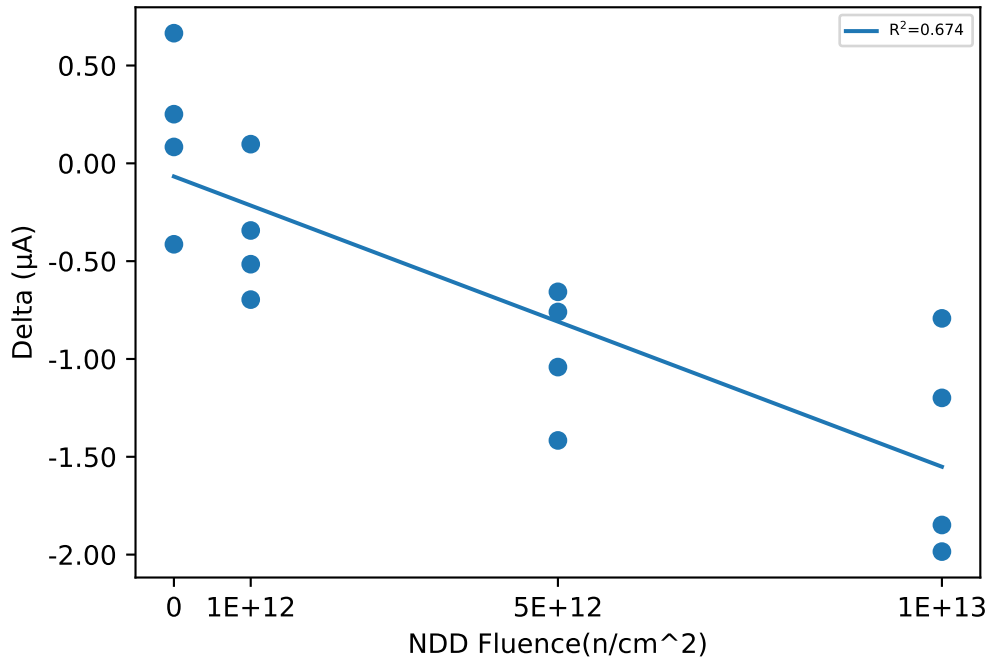
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	137.51	137.17	-0.3432
489	1e+12	NDD	150.96	150.26	-0.6966
583	1e+12	NDD	149.77	149.25	-0.5156
594	1e+12	NDD	142.51	142.6	0.098
624	5e+12	NDD	150.45	149.03	-1.4164
839	5e+12	NDD	150.49	149.73	-0.7596
919	5e+12	NDD	148.37	147.71	-0.6568
938	5e+12	NDD	145.5	144.46	-1.0415
988	1e+13	NDD	142.6	141.4	-1.1989
1176	1e+13	NDD	136.63	135.84	-0.7925
1197	1e+13	NDD	150.65	148.8	-1.8486
1246	0	CORRELATION	144.99	145.07	0.0838
1277	1e+13	NDD	143.29	141.31	-1.9846
1357	0	CORRELATION	153.5	153.09	-0.4138
1410	0	CORRELATION	143.71	143.96	0.2512
1437	0	CORRELATION	136.81	137.47	0.6652

NDD vs Post - Pre Exposure Delta

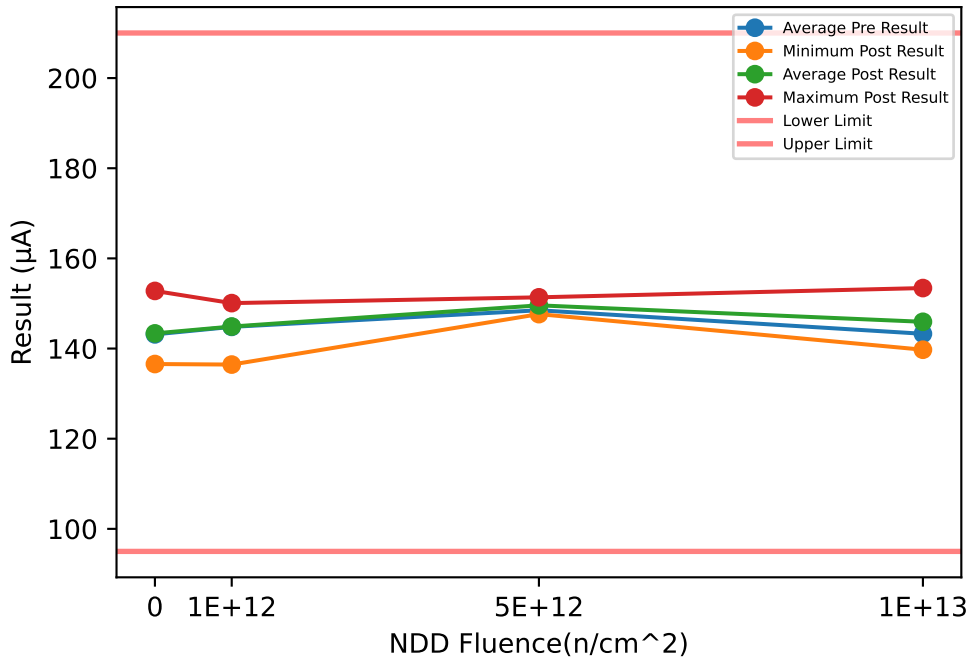


Test Statistics (µA)

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	136.81	144.75	153.5	6.8529	137.47	144.9	153.09	6.408	-0.4138	0.1466	0.6652	0.44642
1e+12	137.51	145.19	150.96	6.3346	137.17	144.82	150.26	6.1293	-0.6966	-0.36435	0.098	0.34033
5e+12	145.5	148.7	150.49	2.3517	144.46	147.73	149.73	2.3367	-1.4164	-0.96858	-0.6568	0.33997
1e+13	136.63	143.29	150.65	5.7433	135.84	141.83	148.8	5.3206	-1.9846	-1.4562	-0.7925	0.55973

Device Test: 19.41 CURRENT|EA_SINK//8/8/0/0/5/500kHz//@EA_I_SINK

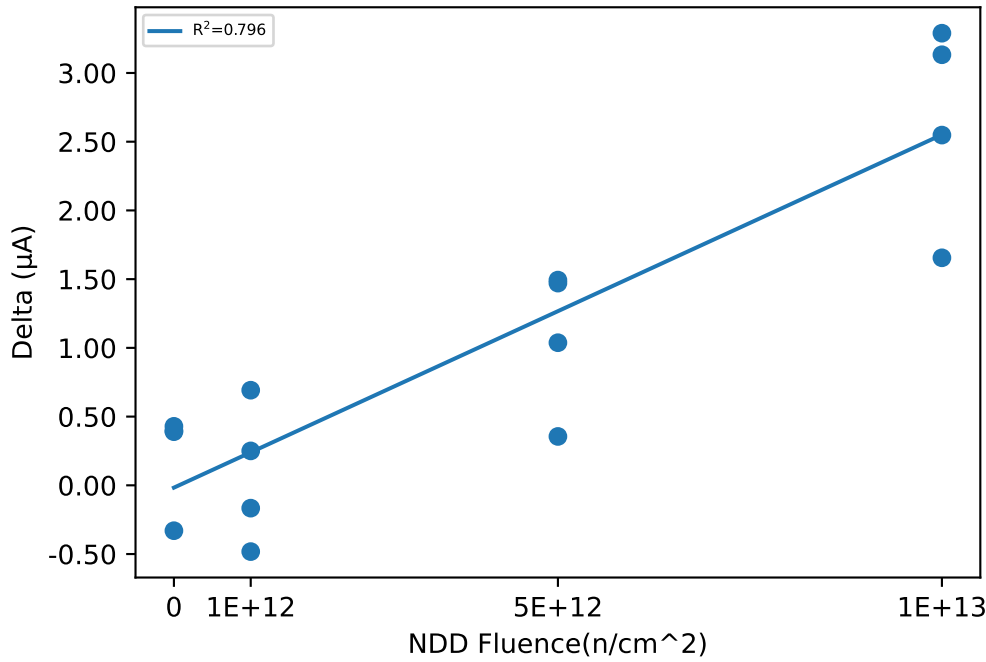
NDD vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	136.2	136.45	0.2504
489	1e+12	NDD	150.56	150.08	-0.4822
583	1e+12	NDD	149.68	149.51	-0.1661
594	1e+12	NDD	142.79	143.49	0.692
624	5e+12	NDD	151.01	151.36	0.3556
839	5e+12	NDD	147.79	149.26	1.4712
919	5e+12	NDD	148.58	150.08	1.4931
938	5e+12	NDD	146.6	147.64	1.0375
988	1e+13	NDD	142.04	145.33	3.2894
1176	1e+13	NDD	136.61	139.74	3.1326
1197	1e+13	NDD	150.87	153.42	2.5481
1246	0	CORRELATION	142.3	142.69	0.3972
1277	1e+13	NDD	143.58	145.24	1.6553
1357	0	CORRELATION	152.35	152.78	0.4292
1410	0	CORRELATION	141.02	141.41	0.3902
1437	0	CORRELATION	136.9	136.57	-0.3302

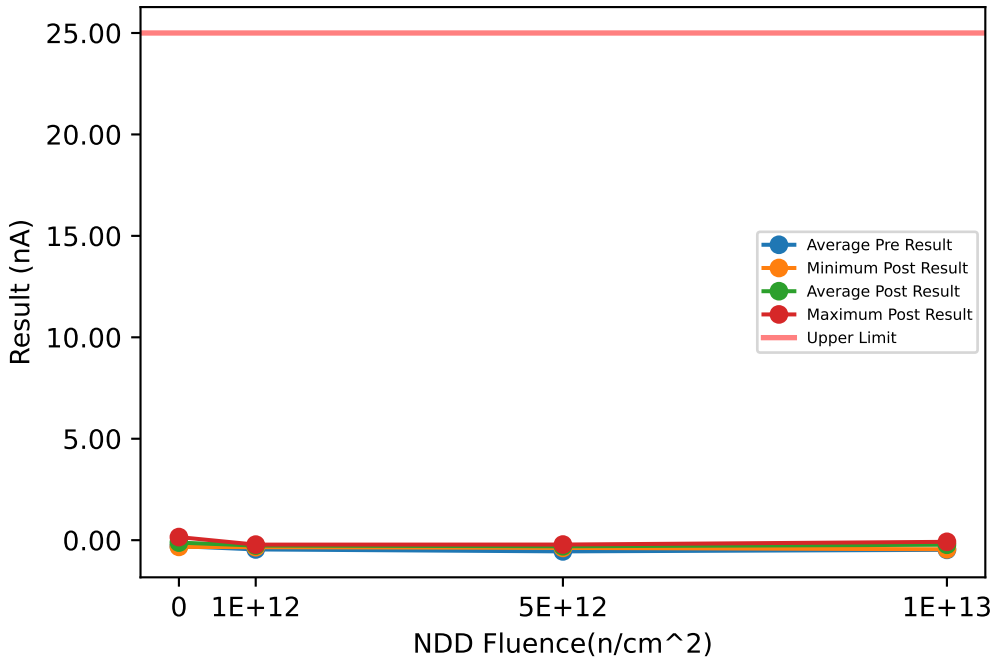
NDD vs Post - Pre Exposure Delta



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	136.9	143.14	152.35	6.5589	136.57	143.36	152.78	6.811	-0.3302	0.2216	0.4292	0.36826
1e+12	136.2	144.81	150.56	6.7084	136.45	144.88	150.08	6.3646	-0.4822	0.073525	0.692	0.50992
5e+12	146.6	148.49	151.01	1.8634	147.64	149.58	151.36	1.5609	0.3556	1.0893	1.4931	0.53226
1e+13	136.61	143.28	150.87	5.8809	139.74	145.93	153.42	5.6339	1.6553	2.6563	3.2894	0.73968

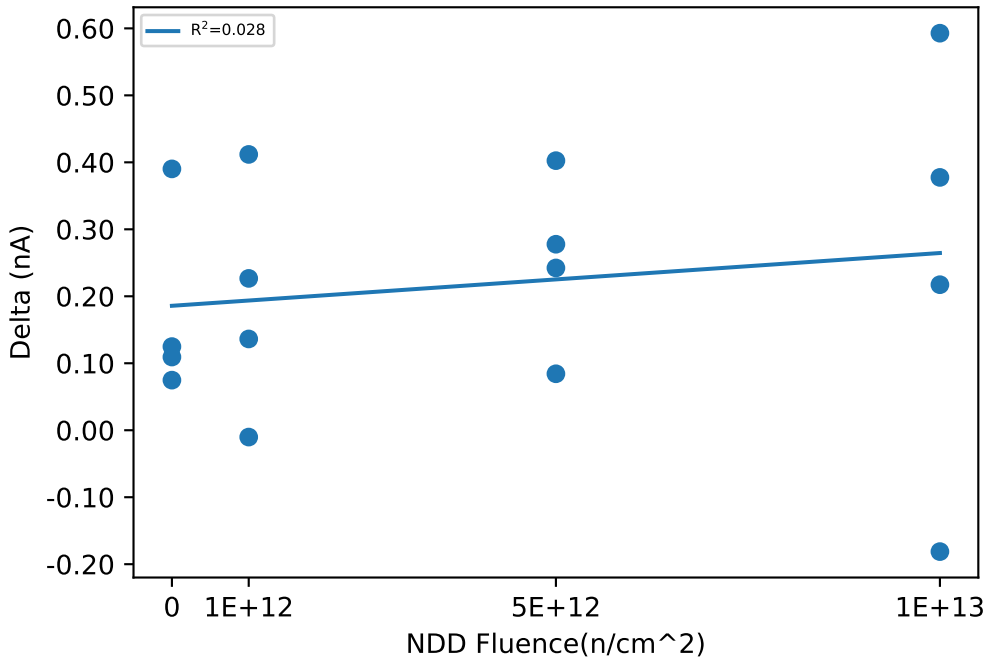
NDD vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.4048	-0.2685	0.1363
489	1e+12	NDD	-0.6303	-0.2185	0.4118
583	1e+12	NDD	-0.3363	-0.3465	-0.0102
594	1e+12	NDD	-0.4546	-0.2279	0.2267
624	5e+12	NDD	-0.6523	-0.3746	0.2777
839	5e+12	NDD	-0.4577	-0.2154	0.2423
919	5e+12	NDD	-0.7834	-0.3809	0.4025
938	5e+12	NDD	-0.3184	-0.2341	0.0843
988	1e+13	NDD	-0.674	-0.0812	0.5928
1176	1e+13	NDD	-0.2684	-0.4496	-0.1812
1197	1e+13	NDD	-0.4733	-0.256	0.2173
1246	0	CORRELATION	-0.4057	-0.3309	0.0748
1277	1e+13	NDD	-0.4899	-0.1124	0.3775
1357	0	CORRELATION	-0.2372	0.153	0.3902
1410	0	CORRELATION	-0.2903	-0.1654	0.1249
1437	0	CORRELATION	-0.2435	-0.1342	0.1093

NDD vs Post - Pre Exposure Delta

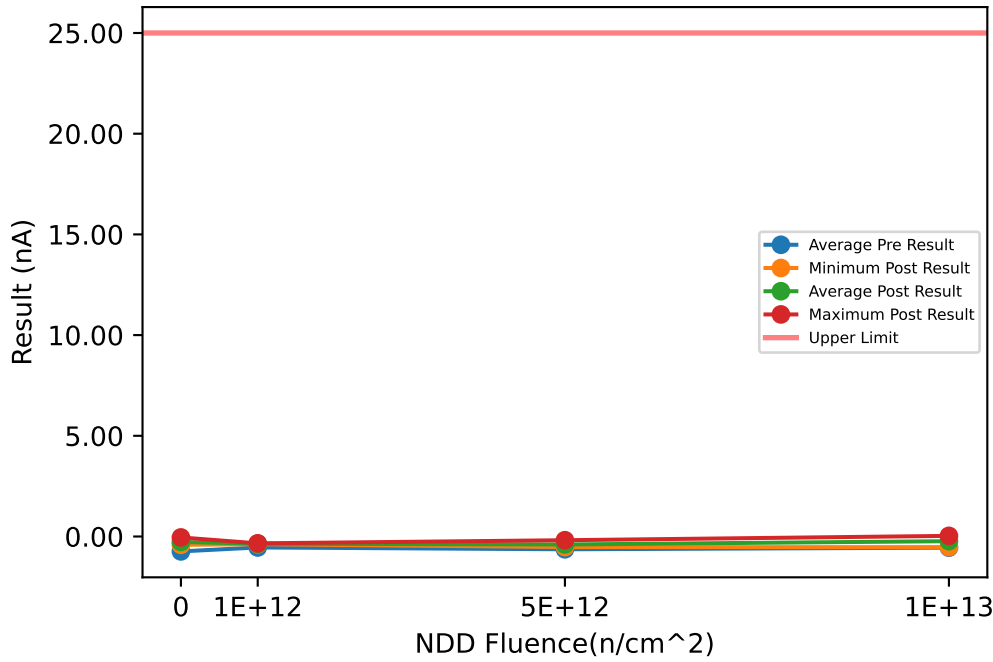


Test Statistics (nA)

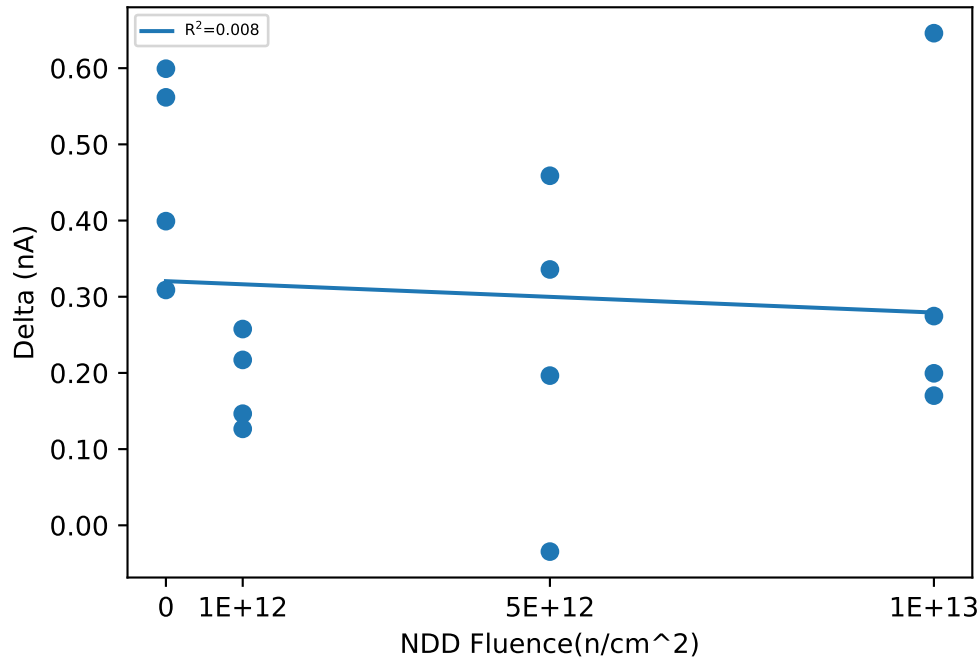
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.4057	-0.29418	-0.2372	0.078032	-0.3309	-0.11938	0.153	0.20105	0.0748	0.1748	0.3902	0.14512
1e+12	-0.6303	-0.4565	-0.3363	0.12561	-0.3465	-0.26535	-0.2185	0.058289	-0.0102	0.19115	0.4118	0.17654
5e+12	-0.7834	-0.55295	-0.3184	0.2058	-0.3809	-0.30125	-0.2154	0.088701	0.0843	0.2517	0.4025	0.13106
1e+13	-0.674	-0.4764	-0.2684	0.16583	-0.4496	-0.2248	-0.0812	0.16809	-0.1812	0.2516	0.5928	0.32699

Device Test: 19.43 CURRENT|EA//8/8/0/0/5/100kHz//@EA_IB

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 25.0 (nA))

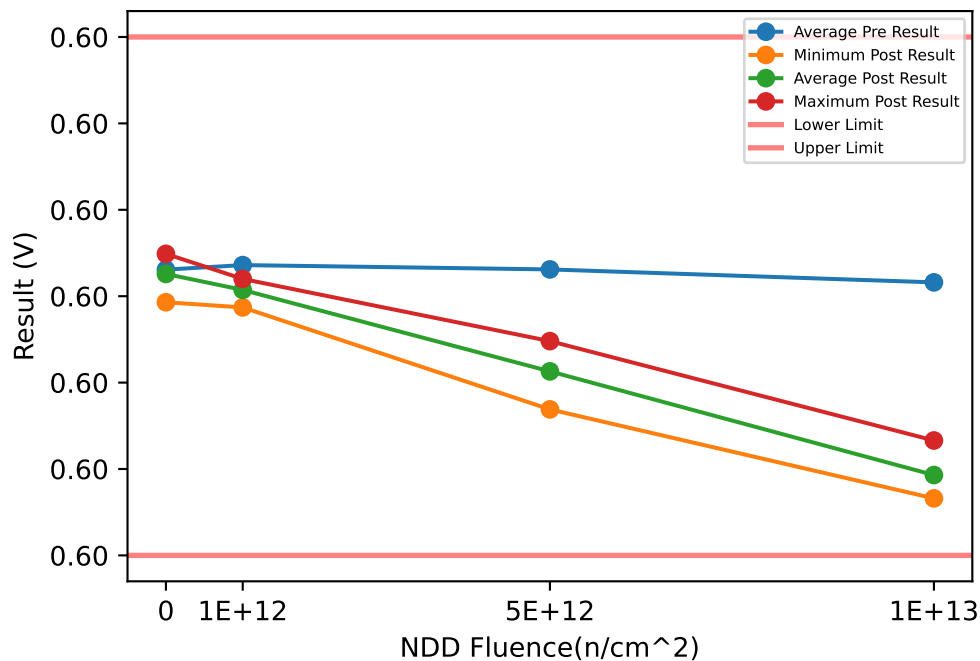
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	-0.5978	-0.3402	0.2576
489	1e+12	NDD	-0.5055	-0.359	0.1465
583	1e+12	NDD	-0.5106	-0.384	0.1266
594	1e+12	NDD	-0.5636	-0.3465	0.2171
624	5e+12	NDD	-0.6461	-0.4496	0.1965
839	5e+12	NDD	-0.52	-0.1842	0.3358
919	5e+12	NDD	-0.49	-0.5245	-0.0345
938	5e+12	NDD	-0.8833	-0.4245	0.4588
988	1e+13	NDD	-0.6147	0.0312	0.6459
1176	1e+13	NDD	-0.7302	-0.5307	0.1995
1197	1e+13	NDD	-0.5698	-0.3996	0.1702
1246	0	CORRELATION	-0.8113	-0.4121	0.3992
1277	1e+13	NDD	-0.3058	-0.0312	0.2746
1357	0	CORRELATION	-0.6085	-0.0468	0.5617
1410	0	CORRELATION	-0.9021	-0.3028	0.5993
1437	0	CORRELATION	-0.6367	-0.3278	0.3089

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	-0.9021	-0.73965	-0.6085	0.14062	-0.4121	-0.27238	-0.0468	0.15749	0.3089	0.46727	0.5993	0.1367
1e+12	-0.5978	-0.54438	-0.5055	0.044256	-0.384	-0.35742	-0.3402	0.019363	0.1266	0.18695	0.2576	0.061043
5e+12	-0.8833	-0.63485	-0.49	0.17891	-0.5245	-0.3957	-0.1842	0.14726	-0.0345	0.23915	0.4588	0.21157
1e+13	-0.7302	-0.55512	-0.3058	0.17942	-0.5307	-0.23257	0.0312	0.27502	0.1702	0.32255	0.6459	0.22

Device Test: 19.44 VOLTAGE|VREF//8/8/0/0/5/100kHz//@VREF_25C

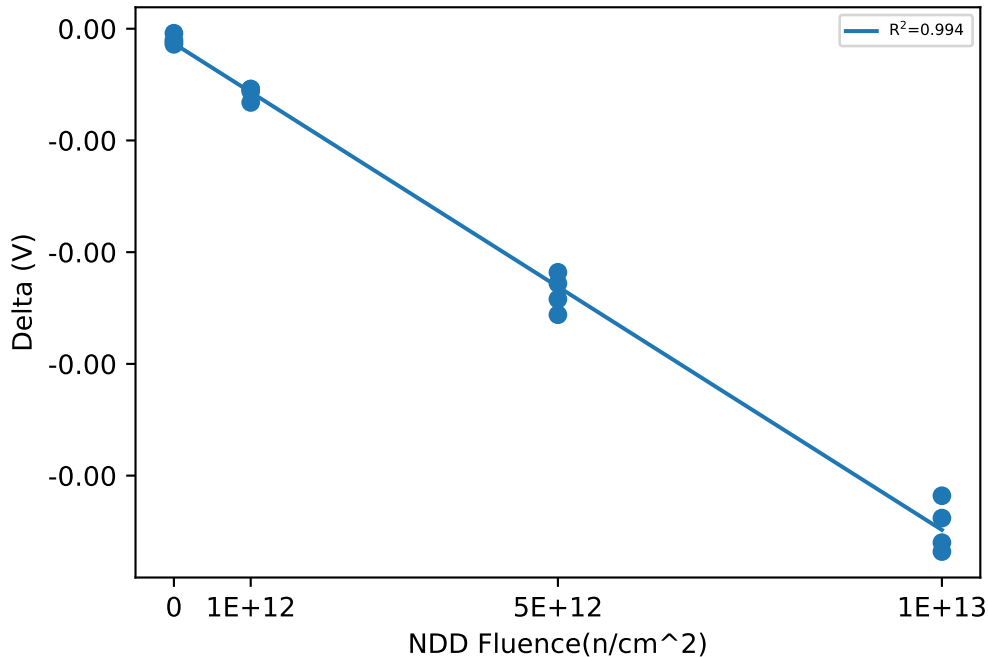
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.6003	0.60003	-0.00027
489	1e+12	NDD	0.60046	0.60019	-0.00027
583	1e+12	NDD	0.6002	0.59987	-0.00033
594	1e+12	NDD	0.60048	0.6002	-0.00028
624	5e+12	NDD	0.60062	0.59948	-0.00114
839	5e+12	NDD	0.60038	0.59929	-0.00109
919	5e+12	NDD	0.60034	0.59906	-0.00128
938	5e+12	NDD	0.5999	0.59869	-0.00121
988	1e+13	NDD	0.60005	0.59771	-0.00234
1176	1e+13	NDD	0.60042	0.59833	-0.00209
1197	1e+13	NDD	0.60032	0.59802	-0.0023
1246	0	CORRELATION	0.60034	0.60029	-5e-05
1277	1e+13	NDD	0.59985	0.59766	-0.00219
1357	0	CORRELATION	0.60056	0.60049	-7e-05
1410	0	CORRELATION	0.59995	0.59993	-2e-05
1437	0	CORRELATION	0.60038	0.60032	-6e-05

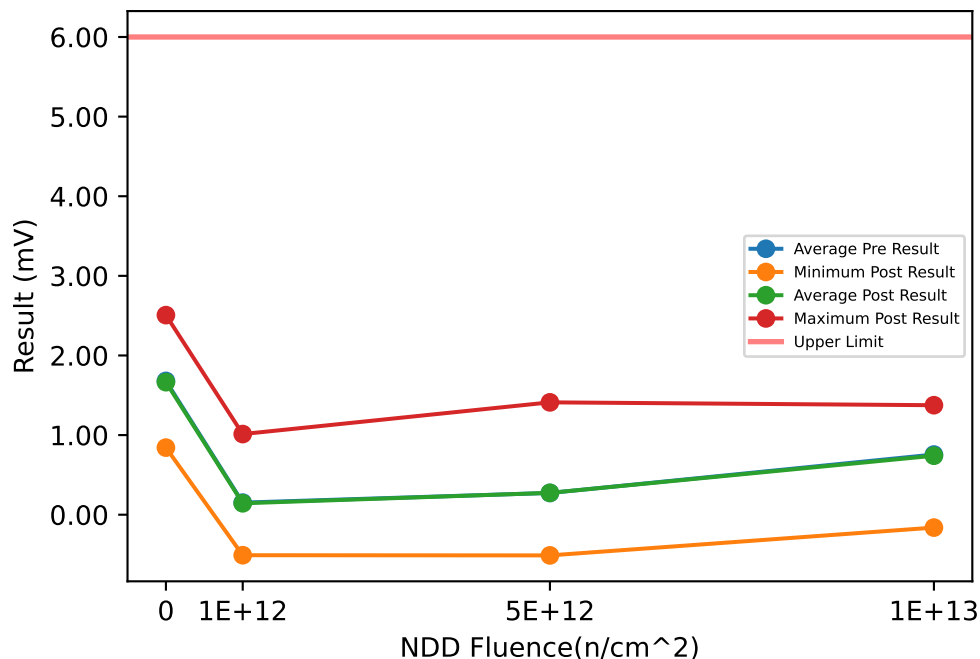
NDD vs Post - Pre Exposure Delta



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	0.59995	0.60031	0.60056	0.00025682	0.59993	0.60026	0.60049	0.00023543	-7e-05	-5e-05	-2e-05	2.1602e-05
1e+12	0.6002	0.60036	0.60048	0.00013367	0.59987	0.60007	0.6002	0.00015586	-0.00033	-0.0002875	-0.00027	2.8723e-05
5e+12	0.5999	0.60031	0.60062	0.0003	0.59869	0.59913	0.59948	0.0003399	-0.00128	-0.00118	-0.00109	8.2865e-05
1e+13	0.59985	0.60016	0.60042	0.0002591	0.59766	0.59793	0.59833	0.00031059	-0.00234	-0.00223	-0.00209	0.00011284

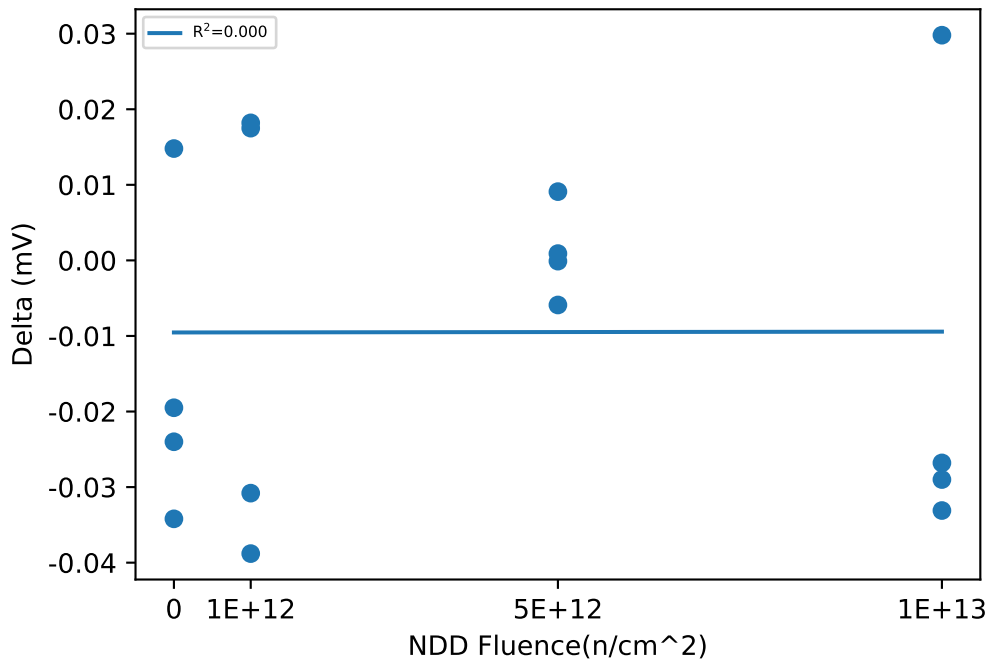
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.9953	1.0128	0.0175
489	1e+12	NDD	0.0681	0.0293	-0.0388
583	1e+12	NDD	0.0707	0.0399	-0.0308
594	1e+12	NDD	-0.527	-0.5088	0.0182
624	5e+12	NDD	-0.512	-0.5111	0.0009
839	5e+12	NDD	1.4112	1.4111	-0.0001
919	5e+12	NDD	0.4241	0.4332	0.0091
938	5e+12	NDD	-0.2302	-0.2361	-0.0059
988	1e+13	NDD	1.0528	1.0197	-0.0331
1176	1e+13	NDD	-0.1351	-0.1619	-0.0268
1197	1e+13	NDD	0.7592	0.7302	-0.029
1246	0	CORRELATION	2.163	2.1435	-0.0195
1277	1e+13	NDD	1.3455	1.3753	0.0298
1357	0	CORRELATION	0.8767	0.8425	-0.0342
1410	0	CORRELATION	2.492	2.5068	0.0148
1437	0	CORRELATION	1.1895	1.1655	-0.024

NDD vs Post - Pre Exposure Delta

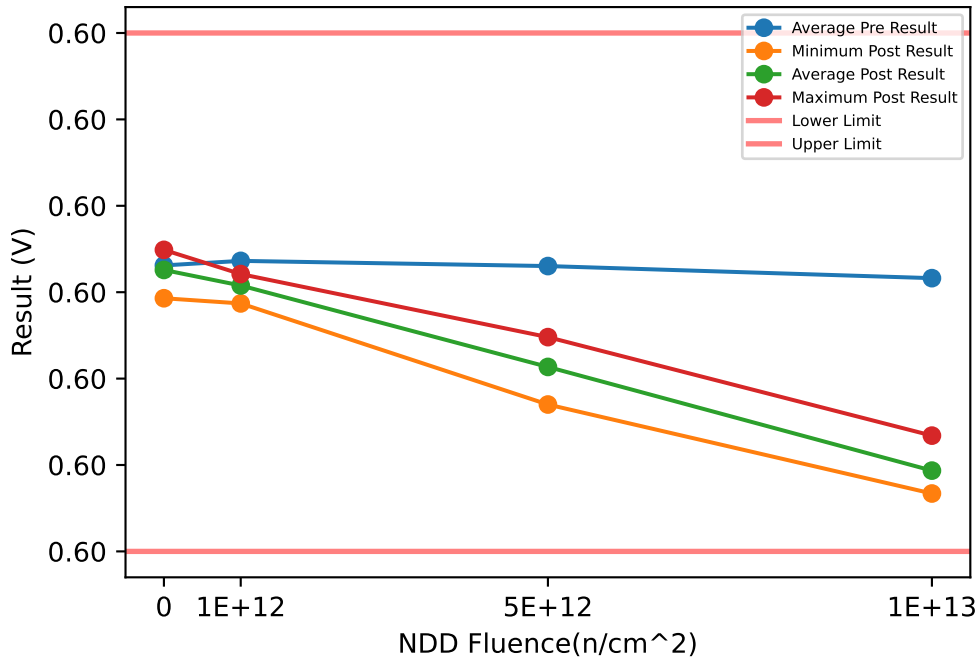


Test Statistics (mV)

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	0.8767	1.6803	2.492	0.76996	0.8425	1.6646	2.5068	0.78816	-0.0342	-0.015725	0.0148	0.021259
1e+12	-0.527	0.15177	0.9953	0.62871	-0.5088	0.1433	1.0128	0.63376	-0.0388	-0.008475	0.0182	0.030574
5e+12	-0.512	0.27327	1.4112	0.85396	-0.5111	0.27427	1.4111	0.85536	-0.0059	0.001	0.0091	0.0061763
1e+13	-0.1351	0.7556	1.3455	0.64023	-0.1619	0.74083	1.3753	0.6571	-0.0331	-0.014775	0.0298	0.029831

Device Test: 19.47 VOLTAGE|VREF//8/8/0/0/5/500kHz//@VREF_25C

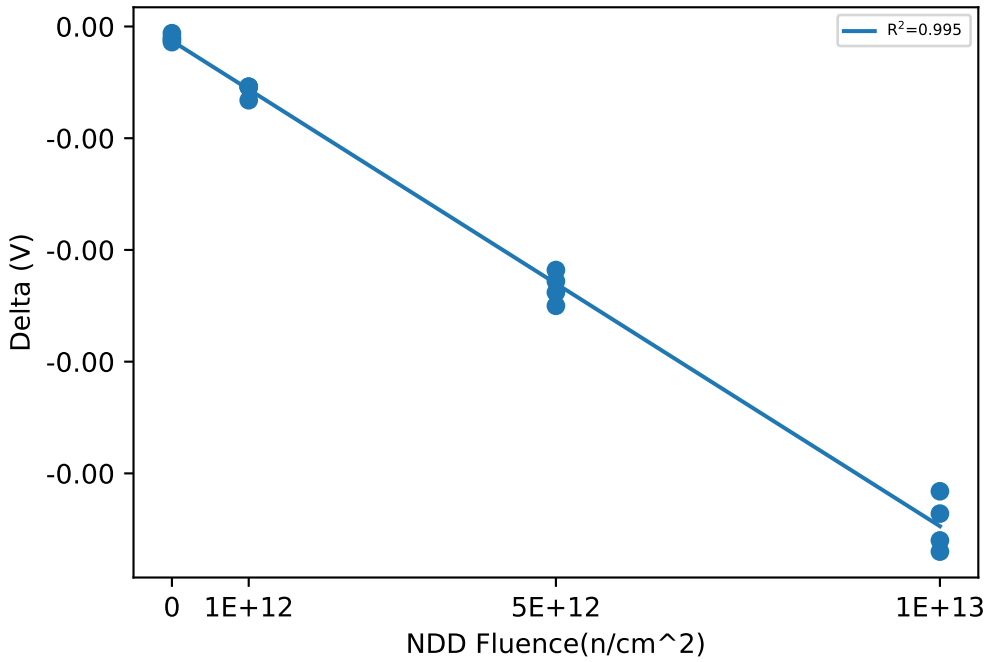
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60031	0.60004	-0.00027
489	1e+12	NDD	0.60046	0.60019	-0.00027
583	1e+12	NDD	0.6002	0.59987	-0.00033
594	1e+12	NDD	0.60048	0.60021	-0.00027
624	5e+12	NDD	0.60062	0.59948	-0.00114
839	5e+12	NDD	0.60038	0.59929	-0.00109
919	5e+12	NDD	0.60032	0.59907	-0.00125
938	5e+12	NDD	0.59989	0.5987	-0.00119
988	1e+13	NDD	0.60006	0.59771	-0.00235
1176	1e+13	NDD	0.60042	0.59834	-0.00208
1197	1e+13	NDD	0.60032	0.59802	-0.0023
1246	0	CORRELATION	0.60034	0.60029	-5e-05
1277	1e+13	NDD	0.59985	0.59767	-0.00218
1357	0	CORRELATION	0.60056	0.60049	-7e-05
1410	0	CORRELATION	0.59996	0.59993	-3e-05
1437	0	CORRELATION	0.60038	0.60032	-6e-05

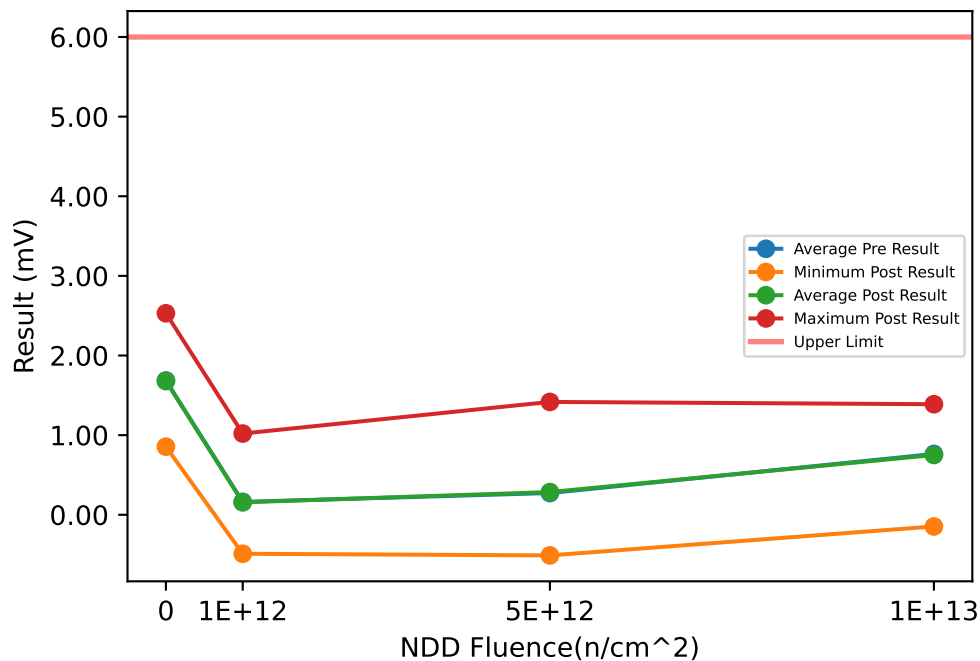
NDD vs Post - Pre Exposure Delta



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	0.59996	0.60031	0.60056	0.00025219	0.59993	0.60026	0.60049	0.00023543	-7e-05	-5.25e-05	-3e-05	1.7078e-05
1e+12	0.6002	0.60036	0.60048	0.00013226	0.59987	0.60008	0.60021	0.00015777	-0.00033	-0.000285	-0.00027	3e-05
5e+12	0.59989	0.6003	0.60062	0.00030401	0.5987	0.59913	0.59948	0.00033491	-0.00125	-0.0011675	-0.00109	6.8496e-05
1e+13	0.59985	0.60016	0.60042	0.00025773	0.59767	0.59793	0.59834	0.00031204	-0.00235	-0.0022275	-0.00208	0.00012148

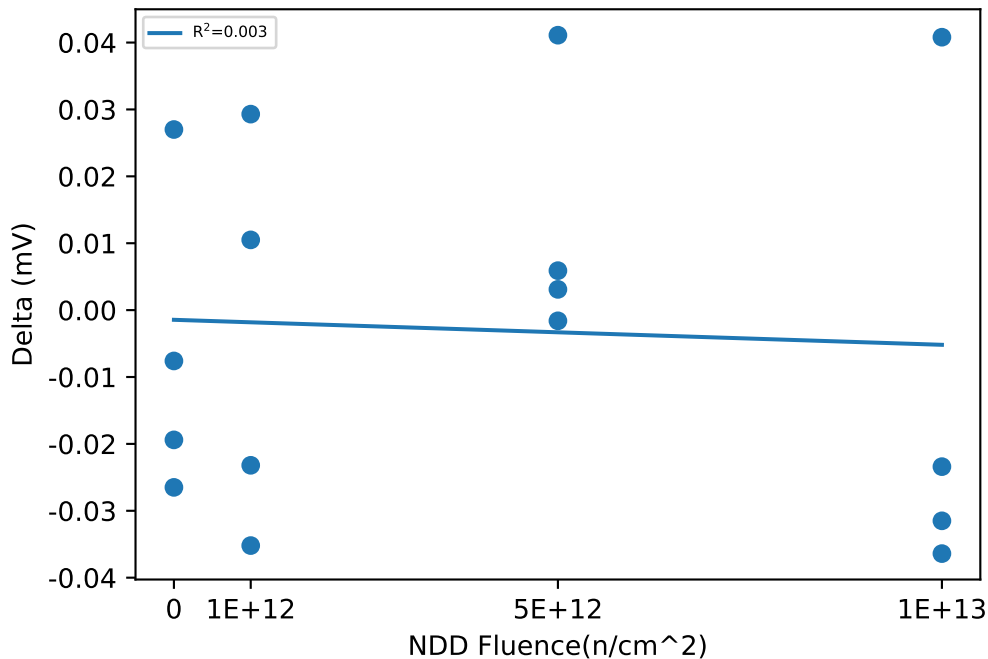
NDD vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.0098	1.0203	0.0105
489	1e+12	NDD	0.0745	0.0393	-0.0352
583	1e+12	NDD	0.0805	0.0573	-0.0232
594	1e+12	NDD	-0.5189	-0.4896	0.0293
624	5e+12	NDD	-0.516	-0.5101	0.0059
839	5e+12	NDD	1.4187	1.4171	-0.0016
919	5e+12	NDD	0.4151	0.4562	0.0411
938	5e+12	NDD	-0.2253	-0.2222	0.0031
988	1e+13	NDD	1.0616	1.0301	-0.0315
1176	1e+13	NDD	-0.1234	-0.1468	-0.0234
1197	1e+13	NDD	0.7689	0.7325	-0.0364
1246	0	CORRELATION	2.1594	2.1518	-0.0076
1277	1e+13	NDD	1.3476	1.3884	0.0408
1357	0	CORRELATION	0.8817	0.8552	-0.0265
1410	0	CORRELATION	2.5034	2.5304	0.027
1437	0	CORRELATION	1.1996	1.1802	-0.0194

NDD vs Post - Pre Exposure Delta

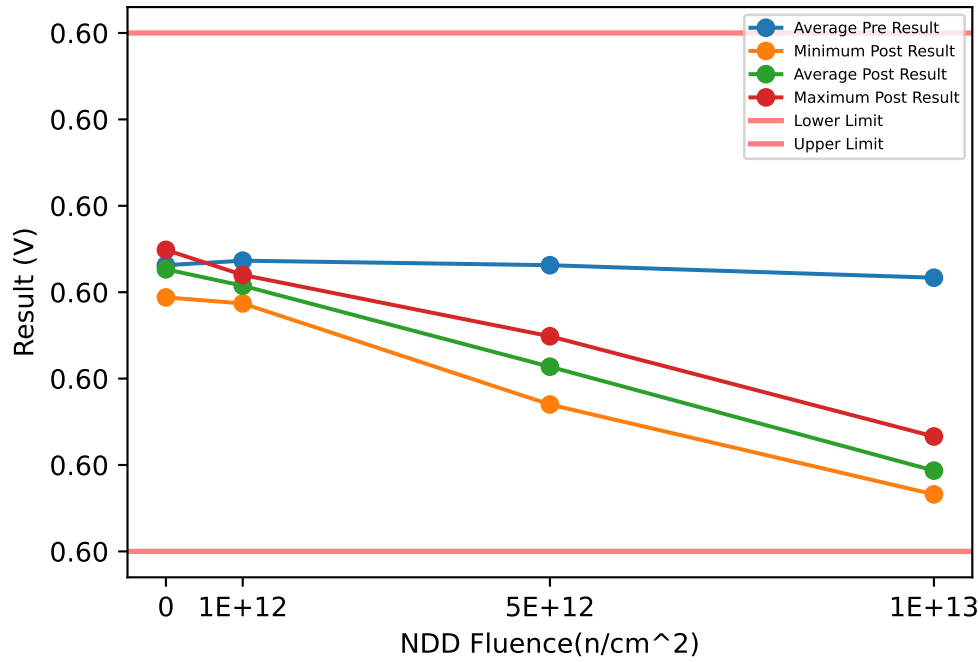


Test Statistics (mV)

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	0.8817	1.686	2.5034	0.76936	0.8552	1.6794	2.5304	0.79075	-0.0265	-0.006625	0.027	0.023733
1e+12	-0.5189	0.16148	1.0098	0.63158	-0.4896	0.15682	1.0203	0.62907	-0.0352	-0.00465	0.0293	0.029774
5e+12	-0.516	0.27313	1.4187	0.85706	-0.5101	0.28525	1.4171	0.85643	-0.0016	0.012125	0.0411	0.019563
1e+13	-0.1234	0.76367	1.3476	0.63683	-0.1468	0.75105	1.3884	0.65589	-0.0364	-0.012625	0.0408	0.036018

Device Test: 19.50 VOLTAGE|VREF//8/8/0/1000/5/100kHz//@VREF_25C

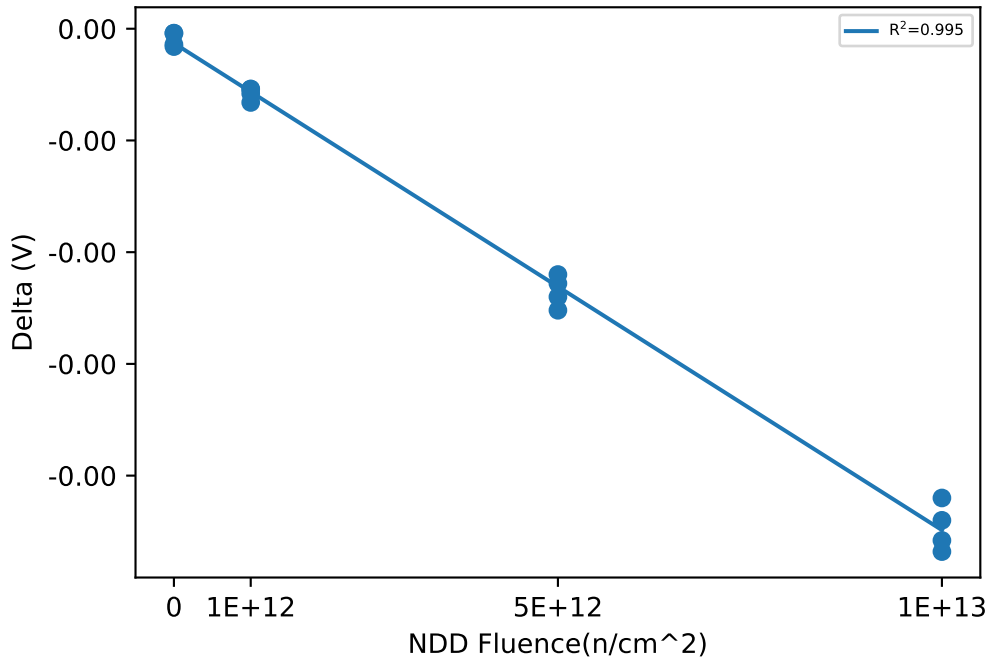
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60031	0.60004	-0.00027
489	1e+12	NDD	0.60046	0.60019	-0.00027
583	1e+12	NDD	0.6002	0.59987	-0.00033
594	1e+12	NDD	0.60049	0.6002	-0.00029
624	5e+12	NDD	0.60063	0.59949	-0.00114
839	5e+12	NDD	0.60039	0.59929	-0.0011
919	5e+12	NDD	0.60033	0.59907	-0.00126
938	5e+12	NDD	0.5999	0.5987	-0.0012
988	1e+13	NDD	0.60006	0.59772	-0.00234
1176	1e+13	NDD	0.60043	0.59833	-0.0021
1197	1e+13	NDD	0.60032	0.59803	-0.00229
1246	0	CORRELATION	0.60033	0.60031	-2e-05
1277	1e+13	NDD	0.59986	0.59766	-0.0022
1357	0	CORRELATION	0.60057	0.60049	-8e-05
1410	0	CORRELATION	0.59996	0.59994	-2e-05
1437	0	CORRELATION	0.60039	0.60032	-7e-05

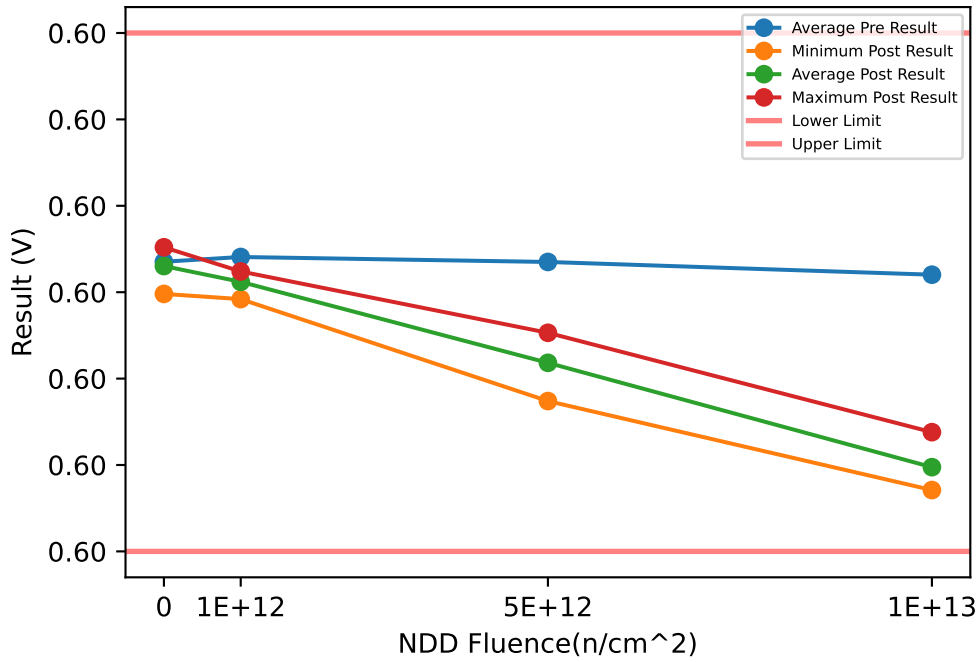
NDD vs Post - Pre Exposure Delta



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	0.59996	0.60031	0.60057	0.00025617	0.59994	0.60027	0.60049	0.00023188	-8e-05	-4.75e-05	-2e-05	3.2016e-05
1e+12	0.6002	0.60037	0.60049	0.00013528	0.59987	0.60008	0.6002	0.00015503	-0.00033	-0.00029	-0.00027	2.8284e-05
5e+12	0.5999	0.60031	0.60063	0.00030401	0.5987	0.59914	0.59949	0.00033837	-0.00126	-0.001175	-0.0011	7e-05
1e+13	0.59986	0.60017	0.60043	0.00025708	0.59766	0.59793	0.59833	0.00030925	-0.00234	-0.0022325	-0.0021	0.00010563

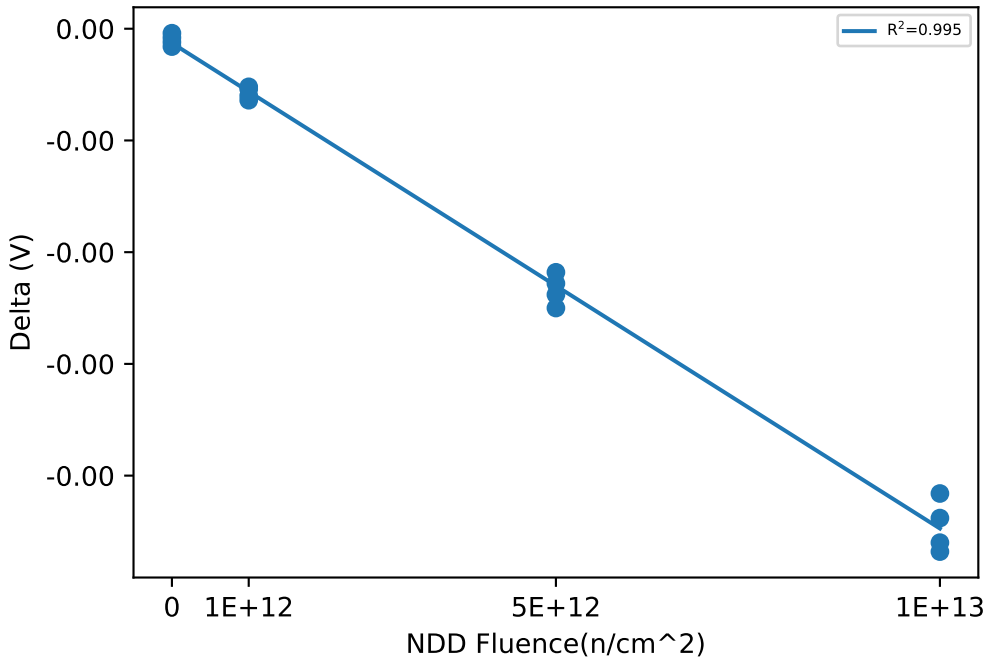
NDD vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.60035	0.60009	-0.00026
489	1e+12	NDD	0.6005	0.60023	-0.00027
583	1e+12	NDD	0.60024	0.59992	-0.00032
594	1e+12	NDD	0.60054	0.60024	-0.0003
624	5e+12	NDD	0.60067	0.59953	-0.00114
839	5e+12	NDD	0.60043	0.59934	-0.00109
919	5e+12	NDD	0.60037	0.59912	-0.00125
938	5e+12	NDD	0.59993	0.59874	-0.00119
988	1e+13	NDD	0.60009	0.59775	-0.00234
1176	1e+13	NDD	0.60046	0.59838	-0.00208
1197	1e+13	NDD	0.60036	0.59806	-0.0023
1246	0	CORRELATION	0.60038	0.60034	-4e-05
1277	1e+13	NDD	0.5999	0.59771	-0.00219
1357	0	CORRELATION	0.6006	0.60052	-8e-05
1410	0	CORRELATION	0.6	0.59998	-2e-05
1437	0	CORRELATION	0.60043	0.60037	-6e-05

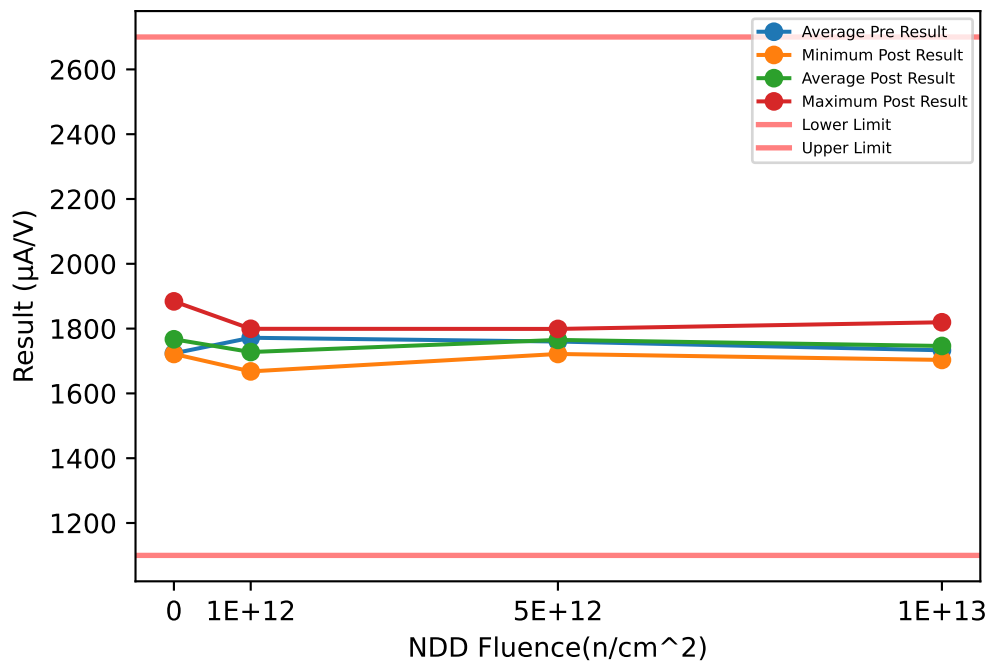
NDD vs Post - Pre Exposure Delta



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	0.6	0.60035	0.6006	0.00025316	0.59998	0.6003	0.60052	0.00022897	-8e-05	-5e-05	-2e-05	2.582e-05
1e+12	0.60024	0.60041	0.60054	0.00013841	0.59992	0.60012	0.60024	0.00014989	-0.00032	-0.0002875	-0.00026	2.7538e-05
5e+12	0.59993	0.60035	0.60067	0.00030854	0.59874	0.59918	0.59953	0.00033925	-0.00125	-0.0011675	-0.00109	6.8496e-05
1e+13	0.5999	0.6002	0.60046	0.00025513	0.59771	0.59798	0.59838	0.00031204	-0.00234	-0.0022275	-0.00208	0.00011701

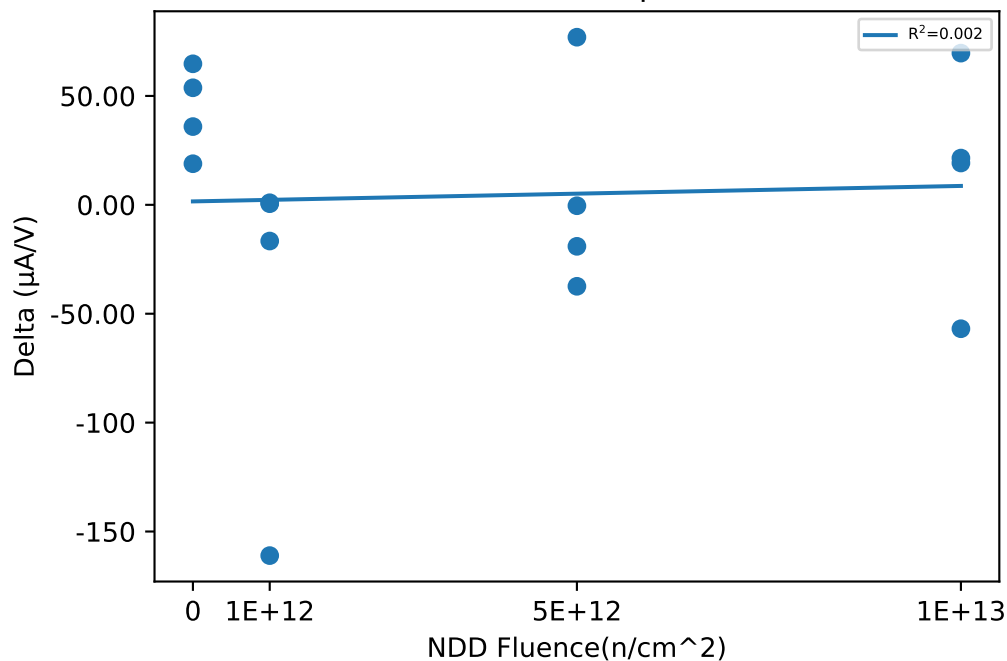
NDD vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 (µA/V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1684.5	1667.9	-16.621
489	1e+12	NDD	1798.9	1799.4	0.5209
583	1e+12	NDD	1882.7	1721.6	-161.06
594	1e+12	NDD	1720.7	1721.7	0.9536
624	5e+12	NDD	1799.4	1799	-0.4148
839	5e+12	NDD	1778.1	1740.7	-37.404
919	5e+12	NDD	1722	1799	76.972
938	5e+12	NDD	1740.7	1721.7	-19.052
988	1e+13	NDD	1721.5	1740.7	19.209
1176	1e+13	NDD	1633.7	1703.3	69.66
1197	1e+13	NDD	1798.1	1819.5	21.47
1246	0	CORRELATION	1721.5	1740.3	18.875
1277	1e+13	NDD	1778.9	1722	-56.891
1357	0	CORRELATION	1819.3	1884	64.754
1410	0	CORRELATION	1685.8	1721.7	35.931
1437	0	CORRELATION	1668.2	1722	53.746

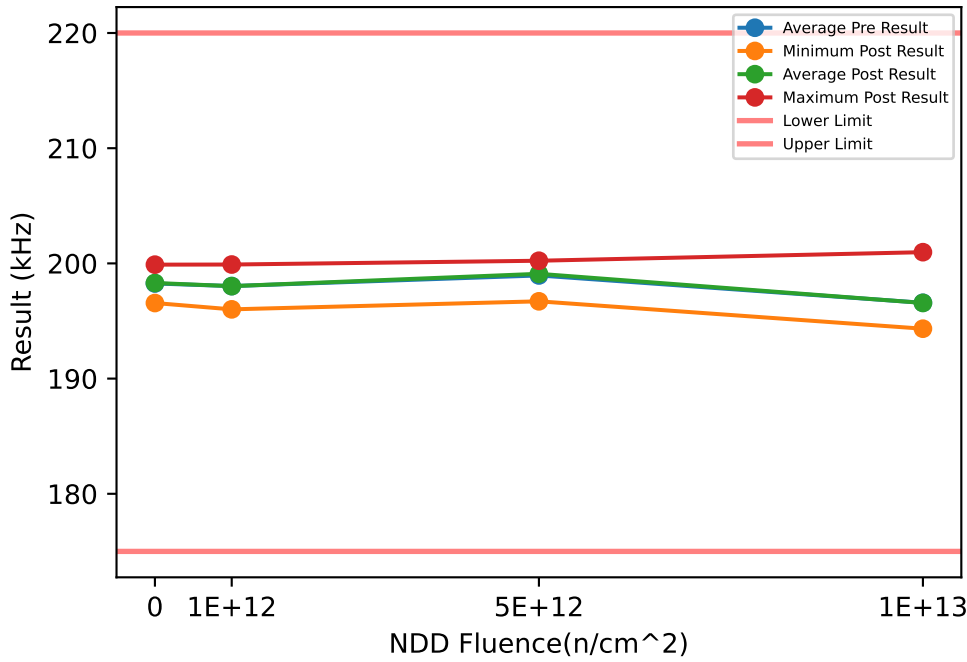
NDD vs Post - Pre Exposure Delta



Test Statistics (µA/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	1668.2	1723.7	1819.3	67.478	1721.7	1767	1884	78.507	18.875	43.327	64.754	20.168
1e+12	1684.5	1771.7	1882.7	88.041	1667.9	1727.7	1799.4	54.12	-161.06	-44.051	0.9536	78.433
5e+12	1722	1760.1	1799.4	35.088	1721.7	1765.1	1799	39.91	-37.404	5.0254	76.972	50.285
1e+13	1633.7	1733	1798.1	73.8	1703.3	1746.4	1819.5	51.104	-56.891	13.362	69.66	52.297

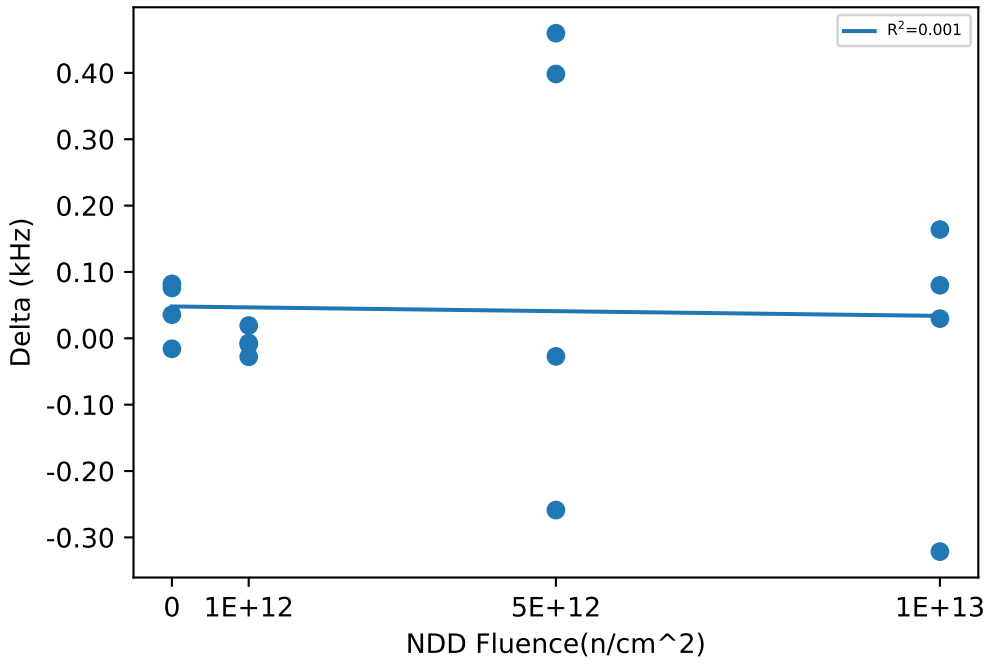
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.43	199.42	-0.0089
489	1e+12	NDD	199.93	199.9	-0.0278
583	1e+12	NDD	195.99	196.01	0.0193
594	1e+12	NDD	196.78	196.77	-0.0071
624	5e+12	NDD	196.31	196.71	0.3983
839	5e+12	NDD	200.49	200.23	-0.2588
919	5e+12	NDD	199.48	199.94	0.4598
938	5e+12	NDD	199.53	199.5	-0.0272
988	1e+13	NDD	194.6	194.63	0.0297
1176	1e+13	NDD	196.17	196.33	0.1639
1197	1e+13	NDD	201.29	200.97	-0.3214
1246	0	CORRELATION	196.48	196.56	0.0821
1277	1e+13	NDD	194.25	194.33	0.0799
1357	0	CORRELATION	199.88	199.86	-0.0158
1410	0	CORRELATION	196.82	196.89	0.0759
1437	0	CORRELATION	199.86	199.89	0.0356

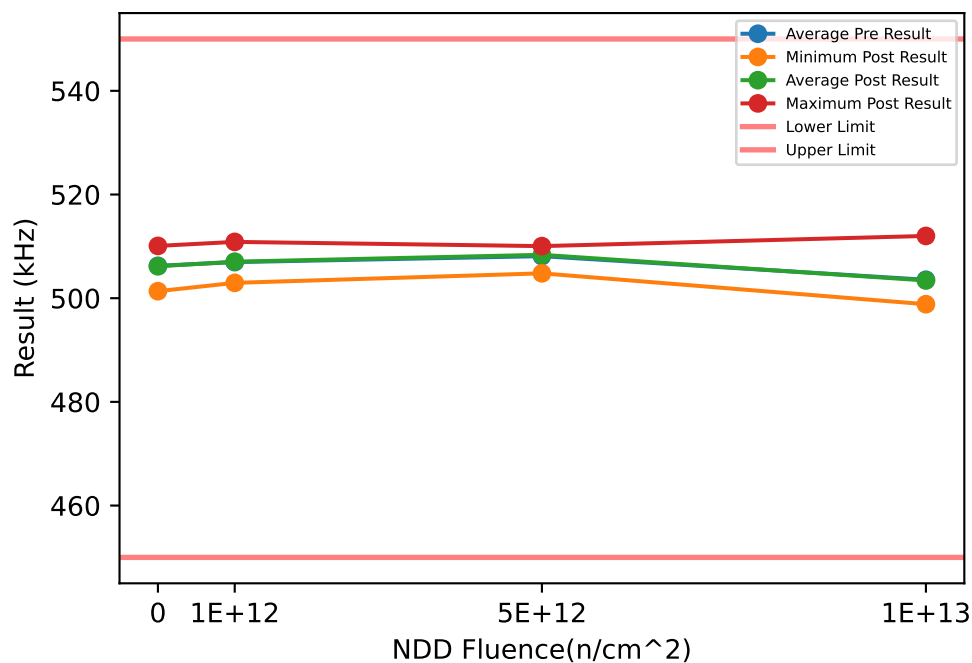
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.48	198.26	199.88	1.8632	196.56	198.3	199.89	1.8232	-0.0158	0.04445	0.0821	0.045148
1e+12	195.99	198.03	199.93	1.9391	196.01	198.03	199.9	1.9227	-0.0278	-0.006125	0.0193	0.019364
5e+12	196.31	198.95	200.49	1.8223	196.71	199.1	200.23	1.62	-0.2588	0.14303	0.4598	0.34446
1e+13	194.25	196.58	201.29	3.2522	194.33	196.57	200.97	3.0667	-0.3214	-0.011975	0.1639	0.21358

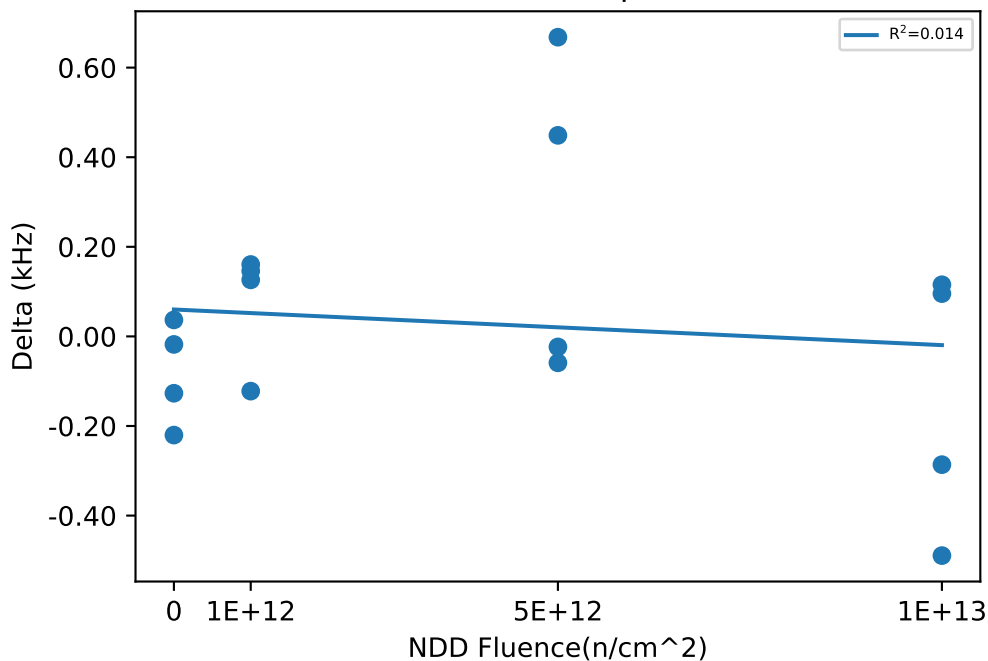
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	510.02	510.16	0.1461
489	1e+12	NDD	510.99	510.86	-0.1222
583	1e+12	NDD	502.83	502.96	0.1262
594	1e+12	NDD	504.01	504.17	0.1605
624	5e+12	NDD	504.35	504.8	0.4488
839	5e+12	NDD	509.97	509.95	-0.0235
919	5e+12	NDD	509.38	510.05	0.6679
938	5e+12	NDD	508.74	508.68	-0.059
988	1e+13	NDD	498.72	498.84	0.1153
1176	1e+13	NDD	502.31	502.03	-0.2863
1197	1e+13	NDD	512.5	512.01	-0.4893
1246	0	CORRELATION	501.57	501.35	-0.2203
1277	1e+13	NDD	500.69	500.79	0.0955
1357	0	CORRELATION	510.05	509.92	-0.1269
1410	0	CORRELATION	503.29	503.28	-0.0179
1437	0	CORRELATION	510.05	510.09	0.0368

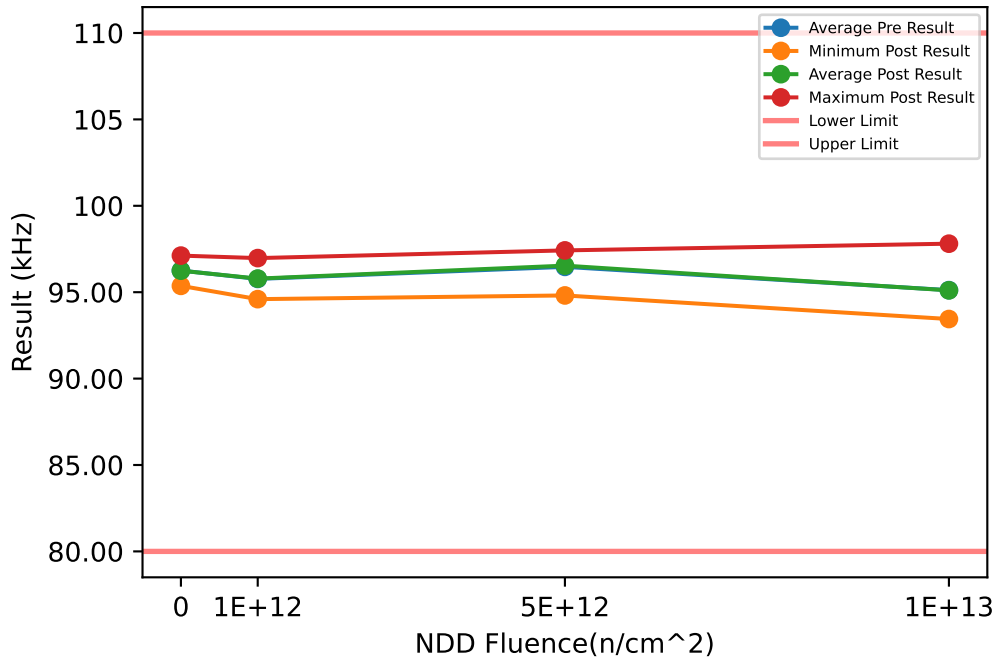
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.57	506.24	510.05	4.4532	501.35	506.16	510.09	4.5095	-0.2203	-0.082075	0.0368	0.11455
1e+12	502.83	506.96	510.99	4.1355	502.96	507.04	510.86	4.053	-0.1222	0.07765	0.1605	0.13397
5e+12	504.35	508.11	509.97	2.5576	504.8	508.37	510.05	2.4608	-0.059	0.25855	0.6679	0.35784
1e+13	498.72	503.56	512.5	6.1381	498.84	503.42	512.01	5.8763	-0.4893	-0.1412	0.1153	0.29667

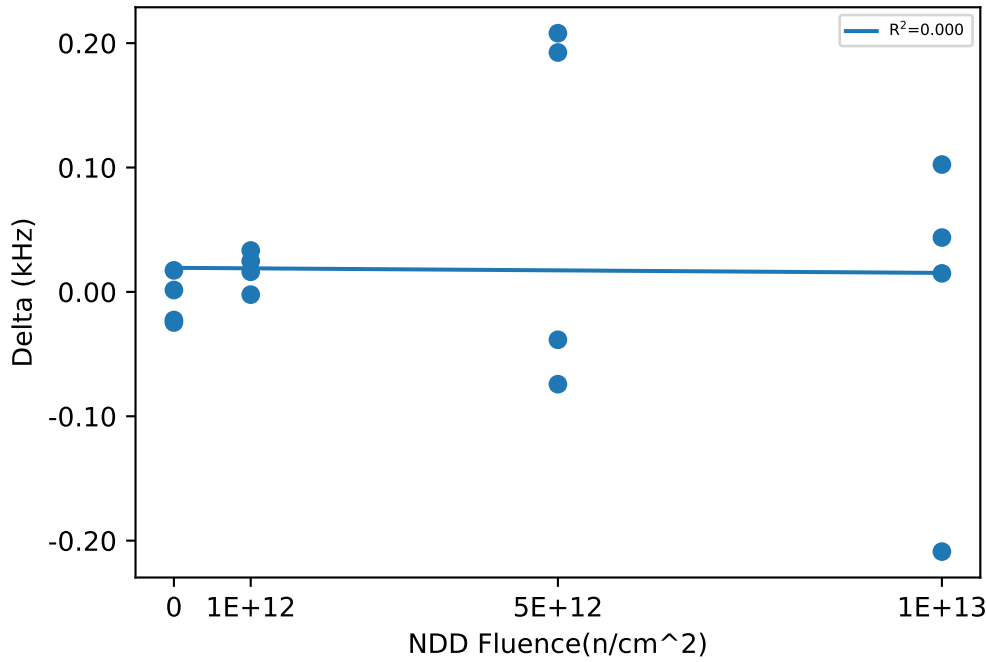
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.464	96.489	0.0247
489	1e+12	NDD	96.94	96.974	0.0333
583	1e+12	NDD	94.582	94.598	0.0162
594	1e+12	NDD	95.088	95.086	-0.0022
624	5e+12	NDD	94.604	94.812	0.208
839	5e+12	NDD	97.493	97.419	-0.0742
919	5e+12	NDD	96.76	96.953	0.1925
938	5e+12	NDD	97.005	96.967	-0.0385
988	1e+13	NDD	94.164	94.179	0.0149
1176	1e+13	NDD	94.892	94.994	0.1024
1197	1e+13	NDD	98.016	97.808	-0.2088
1246	0	CORRELATION	95.409	95.411	0.0015
1277	1e+13	NDD	93.404	93.448	0.0437
1357	0	CORRELATION	97.14	97.118	-0.0226
1410	0	CORRELATION	95.392	95.367	-0.0246
1437	0	CORRELATION	97.064	97.081	0.0173

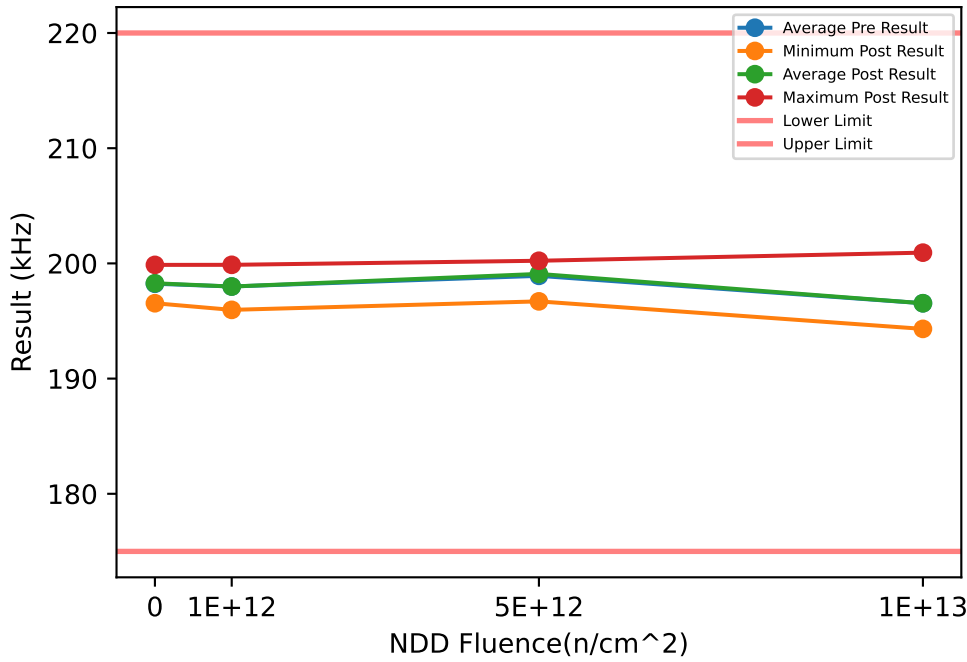
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.392	96.251	97.14	0.98291	95.367	96.244	97.118	0.9878	-0.0246	-0.0071	0.0173	0.020131
1e+12	94.582	95.769	96.94	1.1147	94.598	95.787	96.974	1.1262	-0.0022	0.018	0.0333	0.015169
5e+12	94.604	96.466	97.493	1.2779	94.812	96.538	97.419	1.1705	-0.0742	0.07195	0.208	0.149
1e+13	93.404	95.119	98.016	2.0248	93.448	95.107	97.808	1.9079	-0.2088	-0.01195	0.1024	0.13619

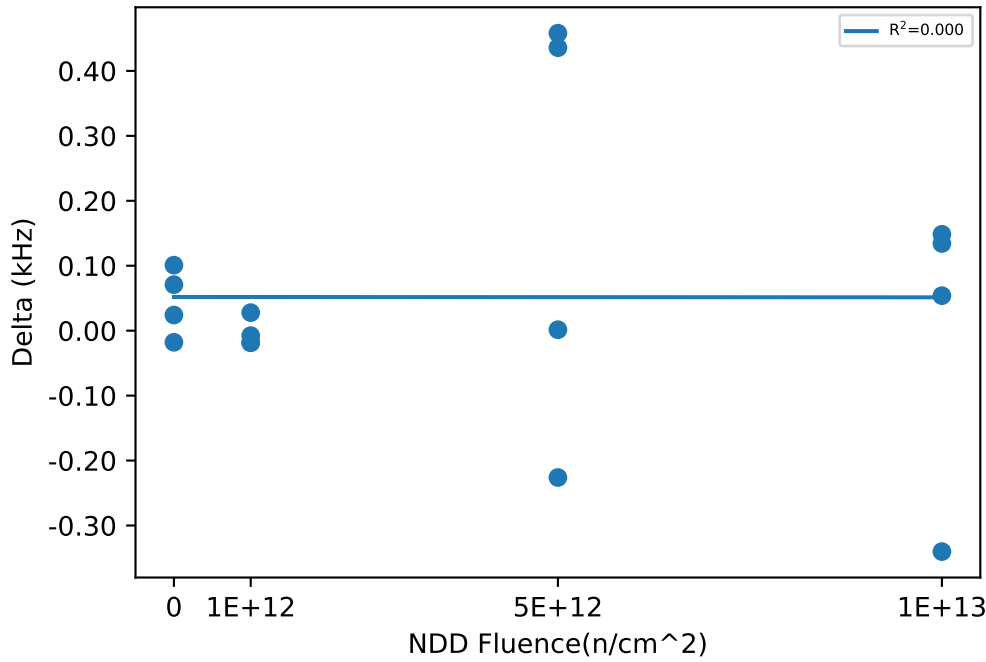
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.39	199.38	-0.0076
489	1e+12	NDD	199.89	199.88	-0.0186
583	1e+12	NDD	195.94	195.97	0.0278
594	1e+12	NDD	196.76	196.74	-0.0183
624	5e+12	NDD	196.27	196.7	0.4358
839	5e+12	NDD	200.46	200.23	-0.2261
919	5e+12	NDD	199.46	199.92	0.4581
938	5e+12	NDD	199.49	199.49	0.0015
988	1e+13	NDD	194.58	194.63	0.0539
1176	1e+13	NDD	196.14	196.28	0.1484
1197	1e+13	NDD	201.27	200.93	-0.3402
1246	0	CORRELATION	196.44	196.54	0.1009
1277	1e+13	NDD	194.18	194.32	0.1343
1357	0	CORRELATION	199.85	199.83	-0.0179
1410	0	CORRELATION	196.79	196.86	0.0709
1437	0	CORRELATION	199.85	199.87	0.0241

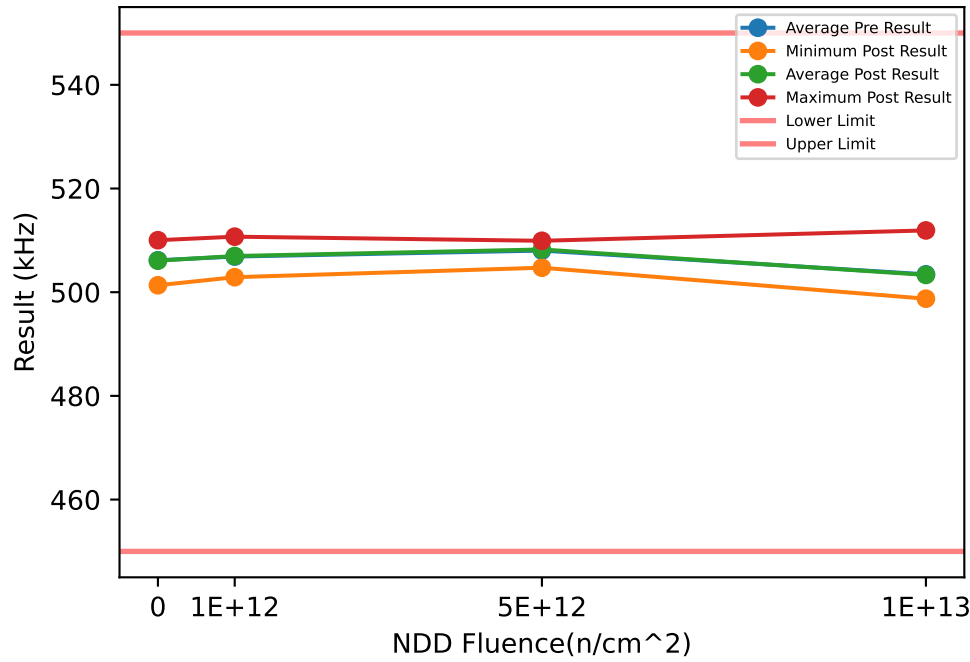
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.44	198.23	199.85	1.8725	196.54	198.28	199.87	1.824	-0.0179	0.0445	0.1009	0.052243
1e+12	195.94	198	199.89	1.9426	195.97	197.99	199.88	1.9288	-0.0186	-0.004175	0.0278	0.021922
5e+12	196.27	198.92	200.46	1.827	196.7	199.09	200.23	1.6174	-0.2261	0.16732	0.4581	0.33611
1e+13	194.18	196.54	201.27	3.2652	194.32	196.54	200.93	3.0528	-0.3402	-0.0009	0.1484	0.23

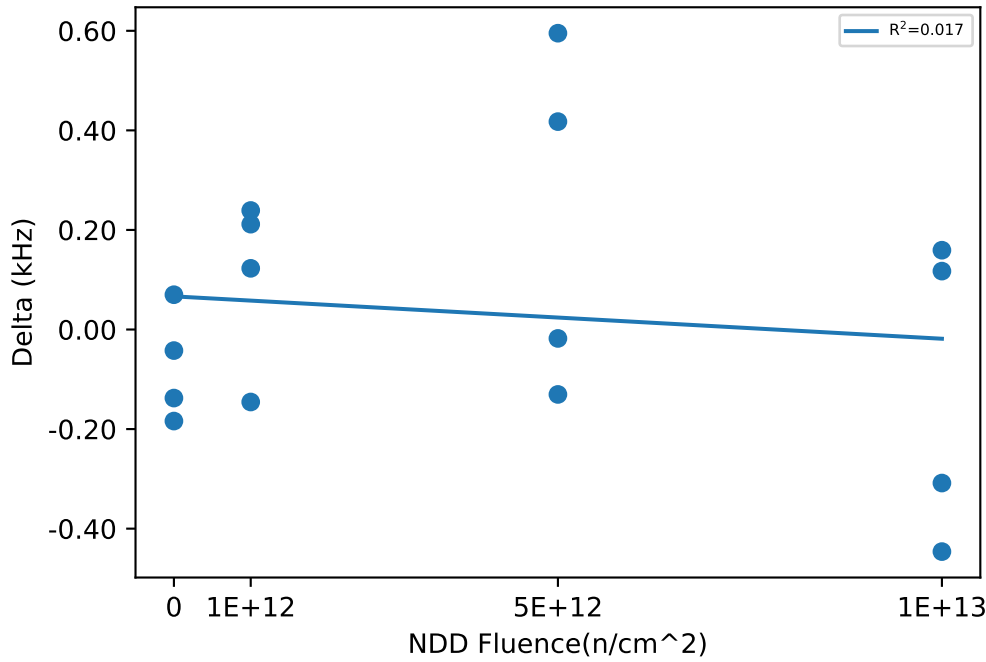
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	509.94	510.15	0.2116
489	1e+12	NDD	510.86	510.71	-0.1456
583	1e+12	NDD	502.77	502.89	0.1229
594	1e+12	NDD	503.93	504.16	0.2391
624	5e+12	NDD	504.3	504.72	0.4176
839	5e+12	NDD	509.83	509.82	-0.0179
919	5e+12	NDD	509.32	509.92	0.5952
938	5e+12	NDD	508.65	508.52	-0.1304
988	1e+13	NDD	498.59	498.75	0.1593
1176	1e+13	NDD	502.25	501.94	-0.3084
1197	1e+13	NDD	512.36	511.92	-0.4461
1246	0	CORRELATION	501.48	501.34	-0.1377
1277	1e+13	NDD	500.6	500.72	0.1173
1357	0	CORRELATION	509.98	509.8	-0.1839
1410	0	CORRELATION	503.21	503.17	-0.0423
1437	0	CORRELATION	509.96	510.03	0.0699

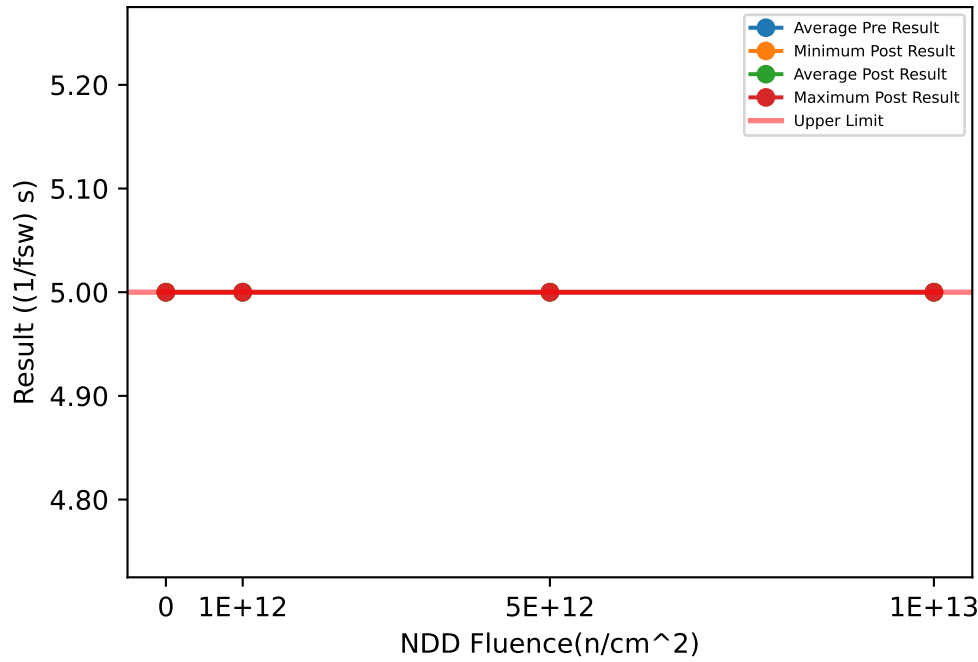
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.48	506.16	509.98	4.4603	501.34	506.08	510.03	4.4864	-0.1839	-0.0735	0.0699	0.11232
1e+12	502.77	506.87	510.86	4.1145	502.89	506.98	510.71	4.0249	-0.1456	0.107	0.2391	0.17555
5e+12	504.3	508.03	509.83	2.5289	504.72	508.24	509.92	2.4324	-0.1304	0.21613	0.5952	0.34599
1e+13	498.59	503.45	512.36	6.1271	498.75	503.33	511.92	5.8729	-0.4461	-0.11948	0.1593	0.3034

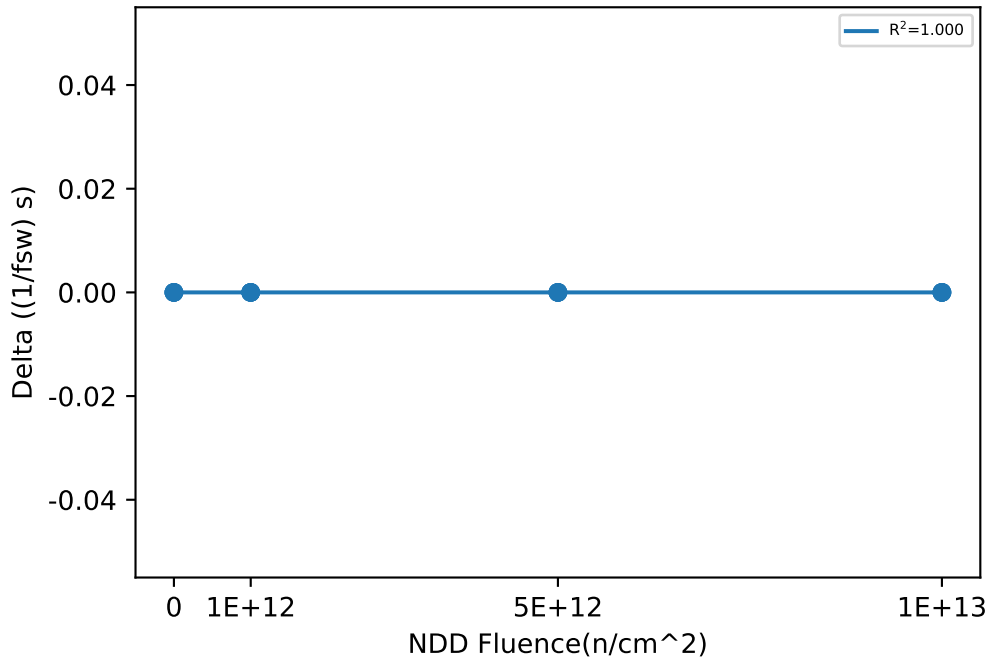
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

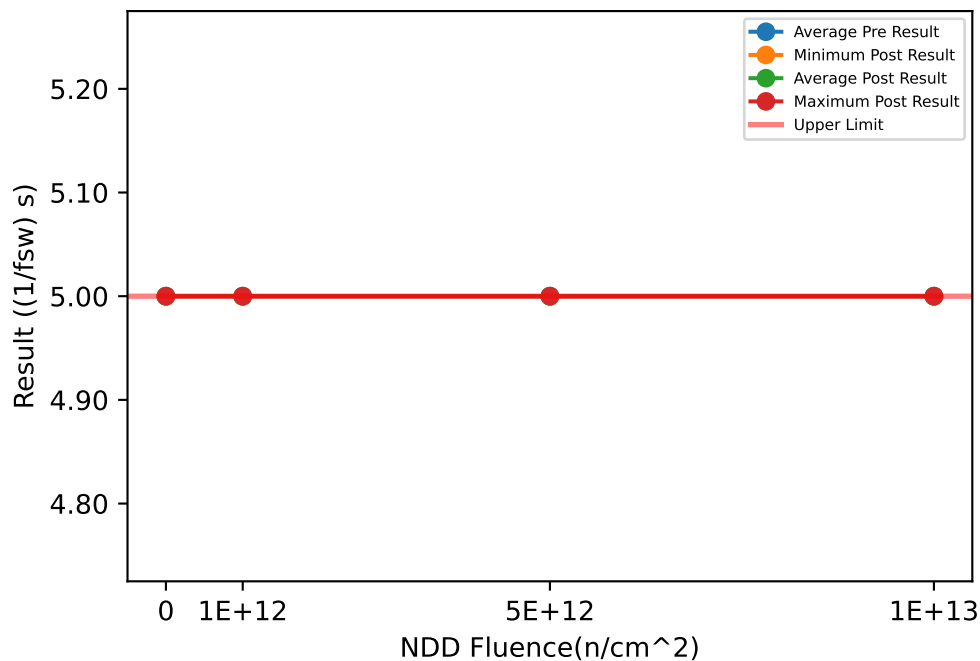
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

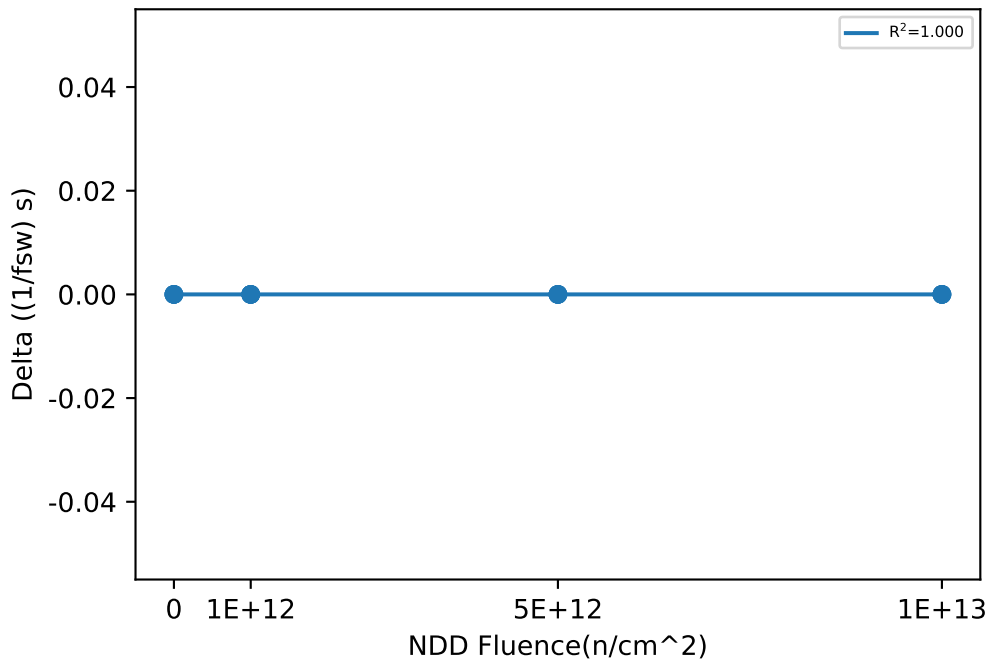
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

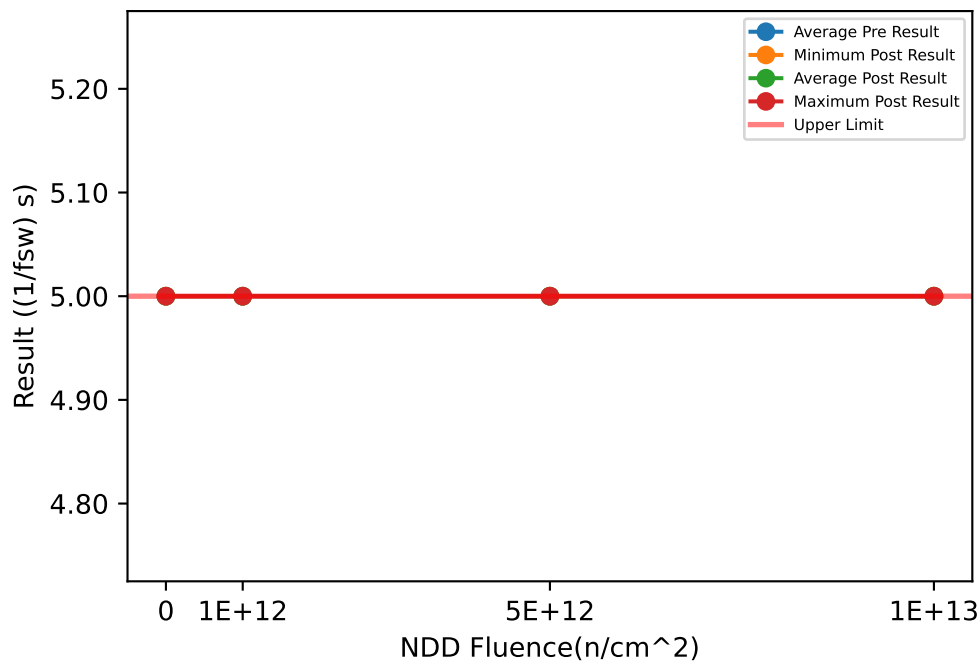
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

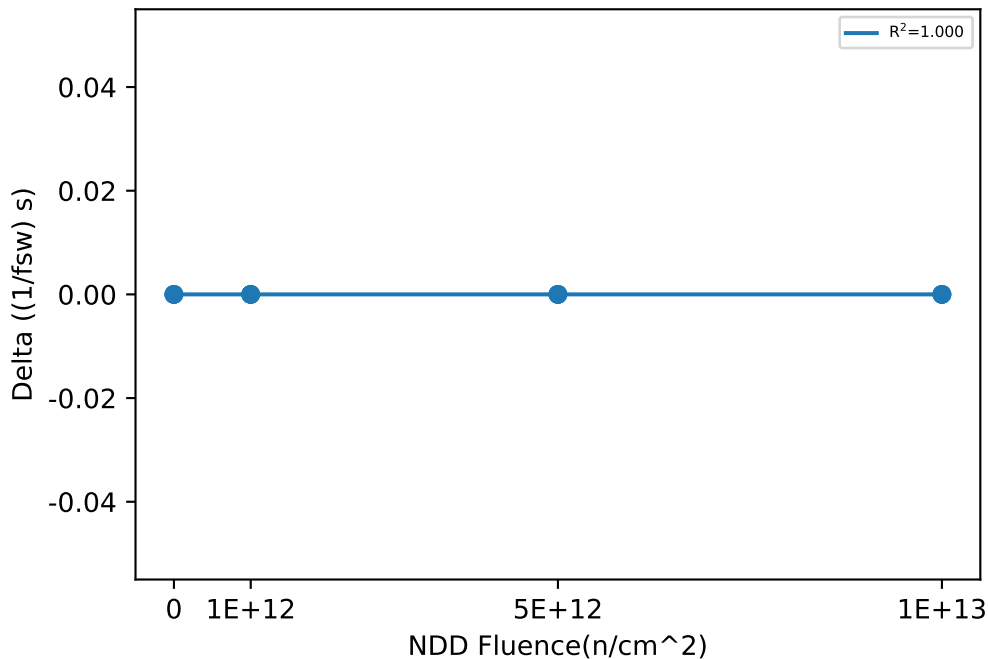
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

NDD vs Post - Pre Exposure Delta

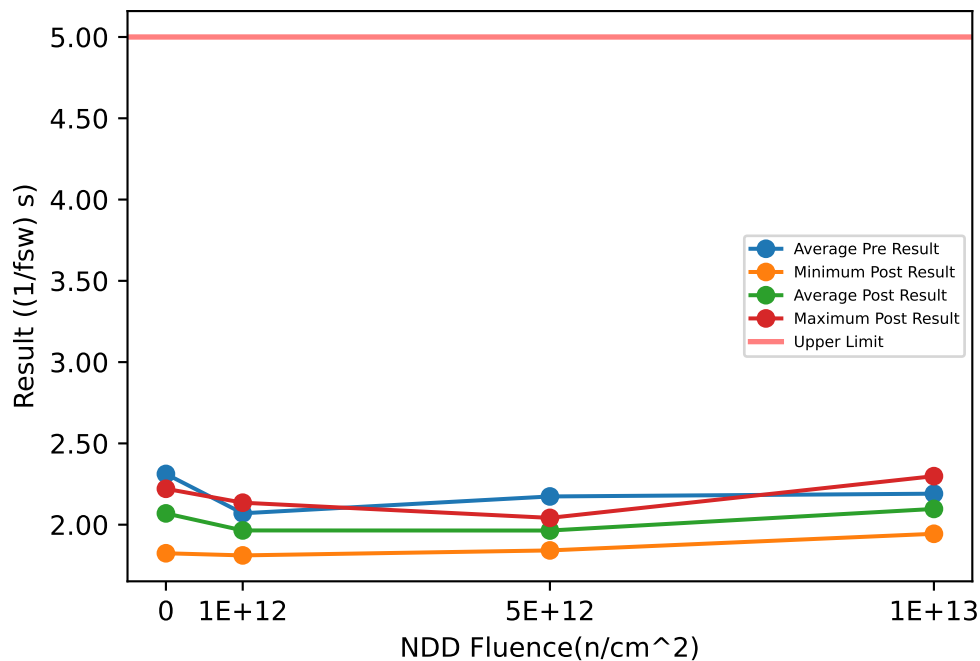


Test Statistics ((1/fsw) s)

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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 20.120 FREQ|DETECTION/RT/8/8/0/0/5/100kHz//@T_INT_CLK_DET

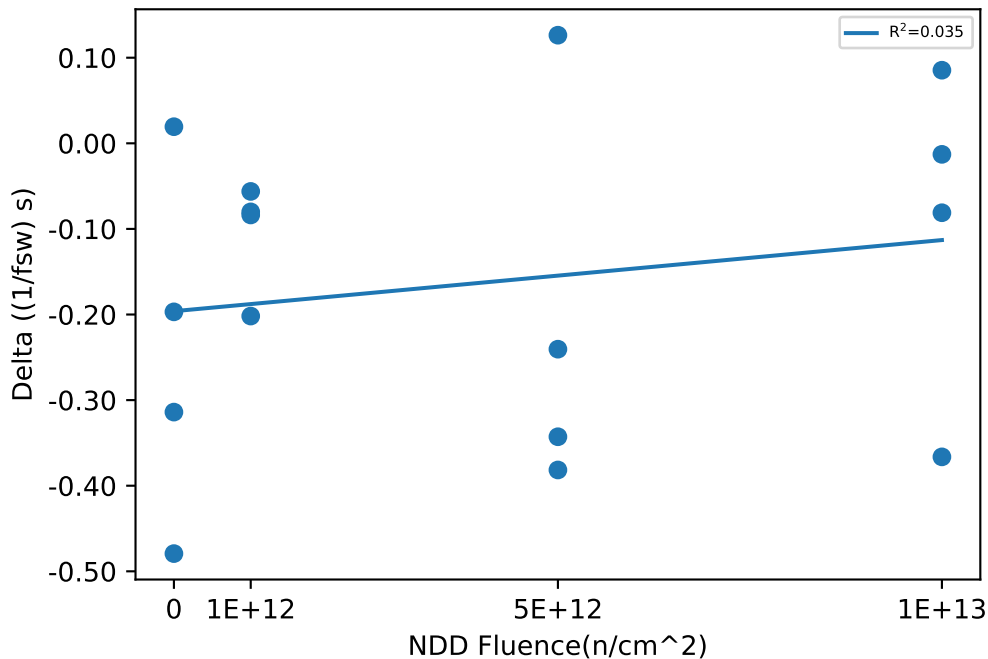
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.8912	1.8111	-0.0801
489	1e+12	NDD	2.3371	2.1353	-0.2018
583	1e+12	NDD	2.0878	2.0316	-0.0562
594	1e+12	NDD	1.9642	1.8805	-0.0837
624	5e+12	NDD	2.4235	2.0419	-0.3816
839	5e+12	NDD	1.9018	2.0281	0.1263
919	5e+12	NDD	2.1845	1.8417	-0.3428
938	5e+12	NDD	2.185	1.9445	-0.2405
988	1e+13	NDD	2.278	2.1969	-0.0811
1176	1e+13	NDD	2.3148	1.9485	-0.3663
1197	1e+13	NDD	1.9569	1.944	-0.0129
1246	0	CORRELATION	2.3782	2.0642	-0.314
1277	1e+13	NDD	2.2131	2.2985	0.0854
1357	0	CORRELATION	2.3655	2.1686	-0.1969
1410	0	CORRELATION	2.3035	1.8242	-0.4793
1437	0	CORRELATION	2.2015	2.2209	0.0194

NDD vs Post - Pre Exposure Delta

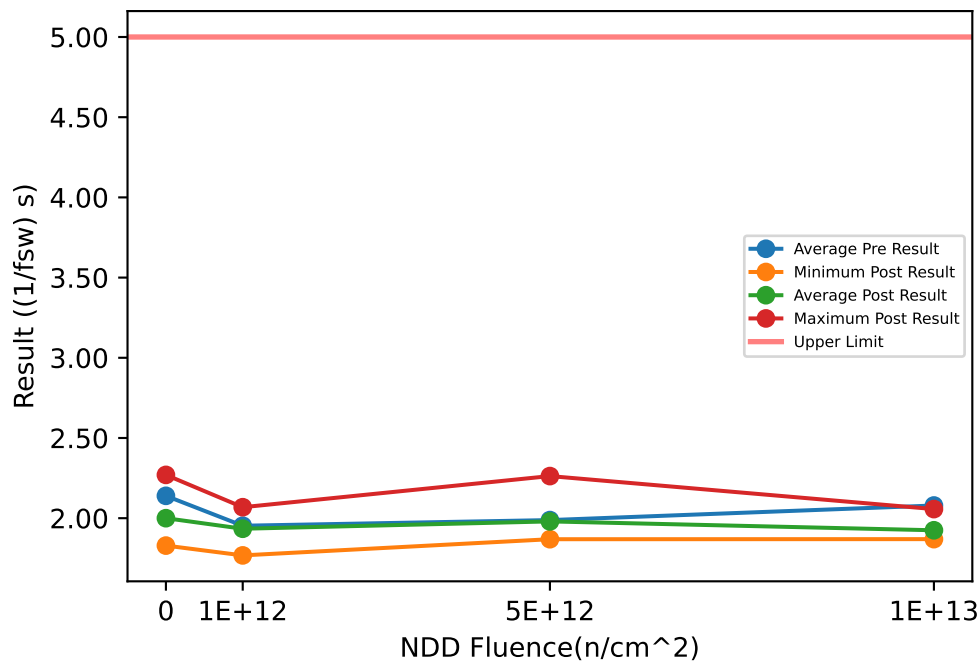


Test Statistics ((1/fsw) s)

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	2.2015	2.3122	2.3782	0.080679	1.8242	2.0695	2.2209	0.17601	-0.4793	-0.2427	0.0194	0.20965
1e+12	1.8912	2.0701	2.3371	0.19564	1.8111	1.9646	2.1353	0.14636	-0.2018	-0.10545	-0.0562	0.065382
5e+12	1.9018	2.1737	2.4235	0.21337	1.8417	1.964	2.0419	0.092222	-0.3816	-0.20965	0.1263	0.23174
1e+13	1.9569	2.1907	2.3148	0.16144	1.944	2.097	2.2985	0.17893	-0.3663	-0.093725	0.0854	0.19414

Device Test: 20.122 FREQ|DETECTION/RT/8/8/0/0/5/200kHz//@T_INT_CLK_DET

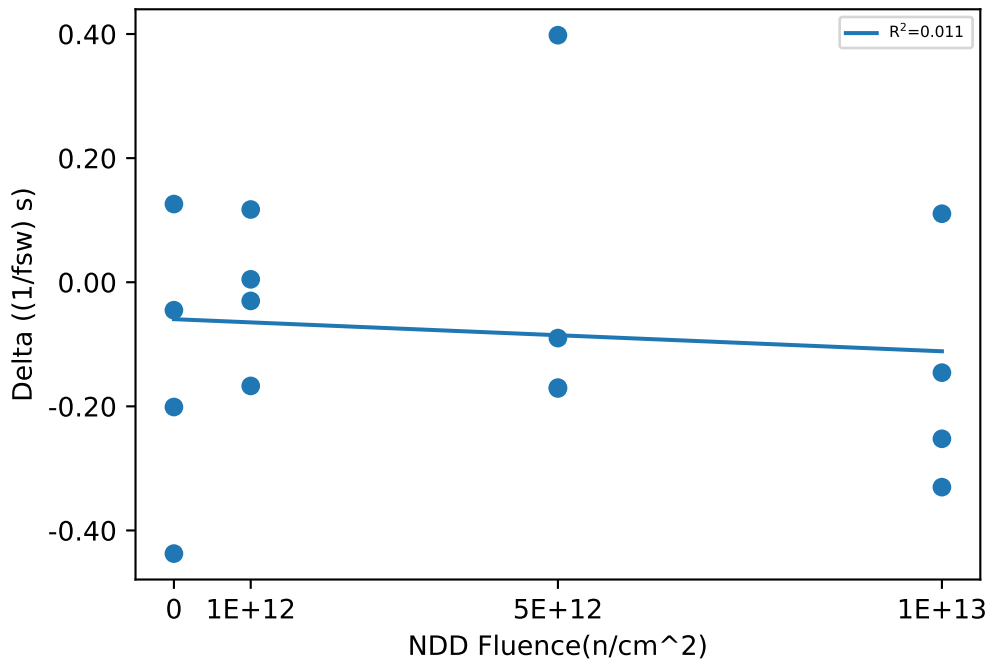
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.827	1.9442	0.1172
489	1e+12	NDD	2.0637	2.0684	0.0047
583	1e+12	NDD	1.9862	1.9561	-0.0301
594	1e+12	NDD	1.9351	1.768	-0.1671
624	5e+12	NDD	2.0387	1.8689	-0.1698
839	5e+12	NDD	1.8644	2.2625	0.3981
919	5e+12	NDD	1.9981	1.9081	-0.09
938	5e+12	NDD	2.0515	1.8803	-0.1712
988	1e+13	NDD	2.2024	2.0567	-0.1457
1176	1e+13	NDD	2.1996	1.8694	-0.3302
1197	1e+13	NDD	1.7745	1.8849	0.1104
1246	0	CORRELATION	2.2683	1.831	-0.4373
1277	1e+13	NDD	2.1398	1.8875	-0.2523
1357	0	CORRELATION	2.1439	2.2699	0.126
1410	0	CORRELATION	2.0302	1.8291	-0.2011
1437	0	CORRELATION	2.115	2.0699	-0.0451

NDD vs Post - Pre Exposure Delta

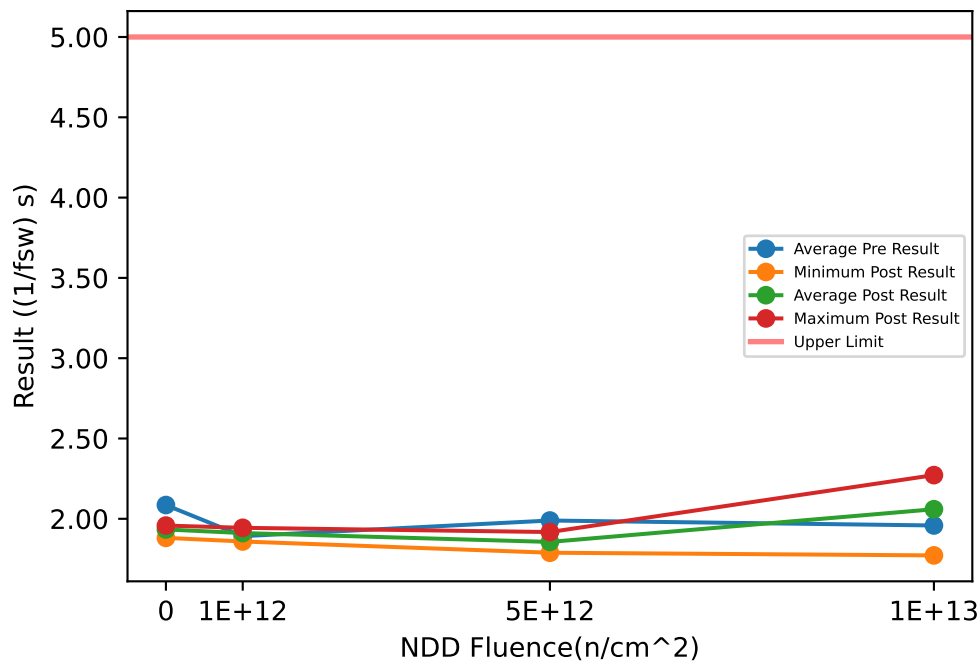


Test Statistics ((1/fsw) s)

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	2.0302	2.1393	2.2683	0.098582	1.8291	2	2.2699	0.21252	-0.4373	-0.13938	0.126	0.23936
1e+12	1.827	1.953	2.0637	0.099252	1.768	1.9342	2.0684	0.12411	-0.1671	-0.018825	0.1172	0.11714
5e+12	1.8644	1.9882	2.0515	0.085599	1.8689	1.98	2.2625	0.18908	-0.1712	-0.008225	0.3981	0.27353
1e+13	1.7745	2.0791	2.2024	0.20509	1.8694	1.9246	2.0567	0.088412	-0.3302	-0.15445	0.1104	0.19208

Device Test: 20.124 FREQ|DETECTION/RT/8/8/0/0/5/500kHz//@T_INT_CLK_DET

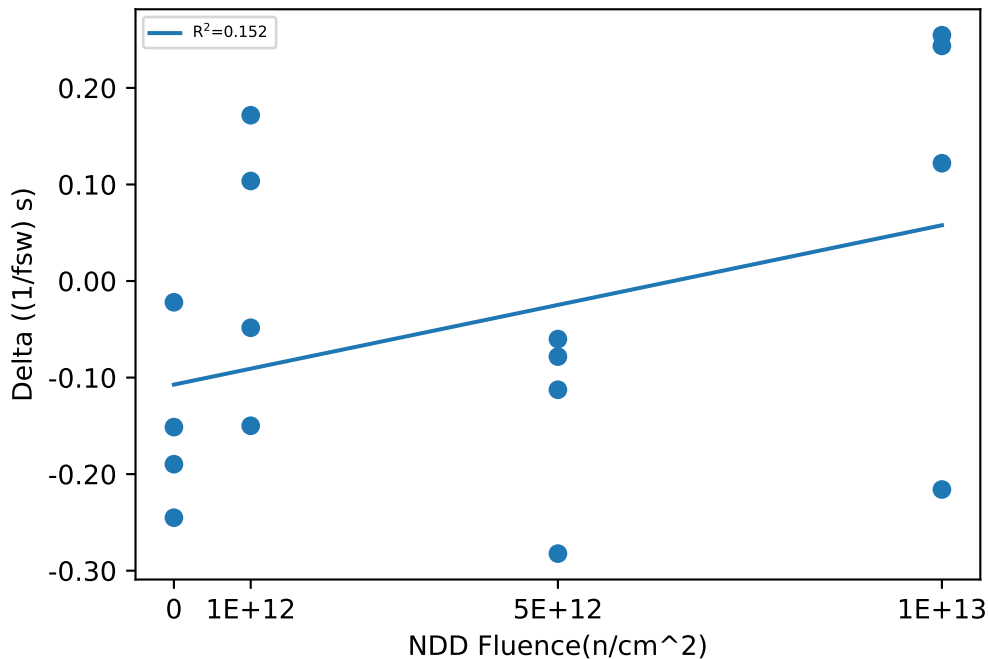
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.7547	1.9264	0.1717
489	1e+12	NDD	2.0938	1.9439	-0.1499
583	1e+12	NDD	1.812	1.9156	0.1036
594	1e+12	NDD	1.9072	1.8588	-0.0484
624	5e+12	NDD	1.9731	1.8948	-0.0783
839	5e+12	NDD	1.883	1.8229	-0.0601
919	5e+12	NDD	2.071	1.7887	-0.2823
938	5e+12	NDD	2.0301	1.9175	-0.1126
988	1e+13	NDD	2.0646	2.1866	0.122
1176	1e+13	NDD	1.988	1.7721	-0.2159
1197	1e+13	NDD	1.7528	2.0074	0.2546
1246	0	CORRELATION	2.1264	1.8813	-0.2451
1277	1e+13	NDD	2.0285	2.272	0.2435
1357	0	CORRELATION	2.1475	1.9578	-0.1897
1410	0	CORRELATION	2.1034	1.9521	-0.1513
1437	0	CORRELATION	1.9654	1.9434	-0.022

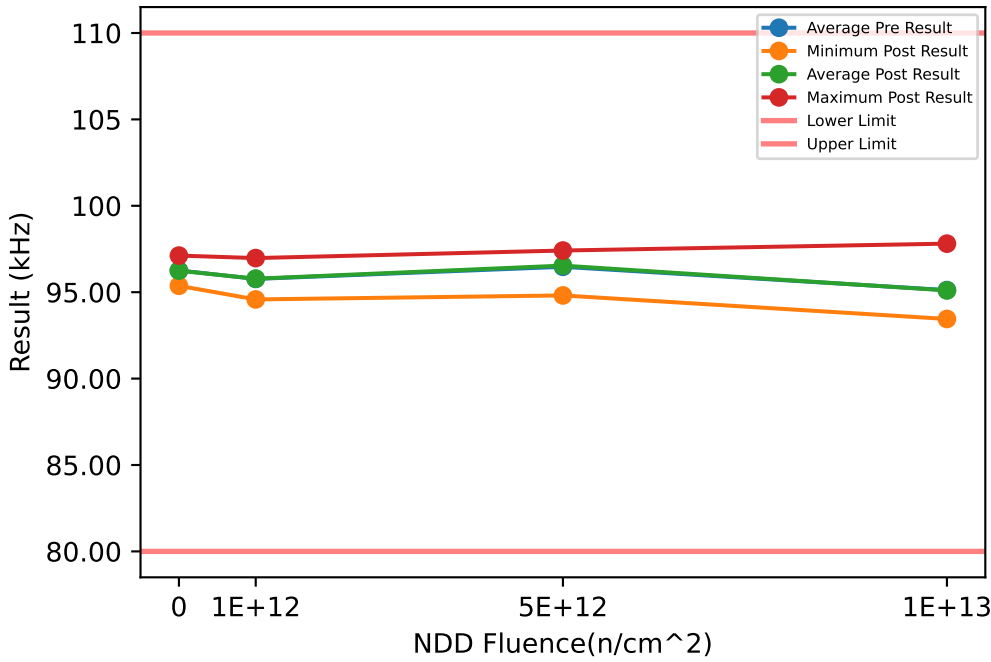
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	1.9654	2.0857	2.1475	0.082181	1.8813	1.9337	1.9578	0.035399	-0.2451	-0.15203	-0.022	0.09485
1e+12	1.7547	1.8919	2.0938	0.14855	1.8588	1.9112	1.9439	0.036812	-0.1499	0.01925	0.1717	0.14554
5e+12	1.883	1.9893	2.071	0.081449	1.7887	1.856	1.9175	0.060312	-0.2823	-0.13333	-0.0601	0.10167
1e+13	1.7528	1.9585	2.0646	0.14064	1.7721	2.0595	2.272	0.22108	-0.2159	0.10105	0.2546	0.21967

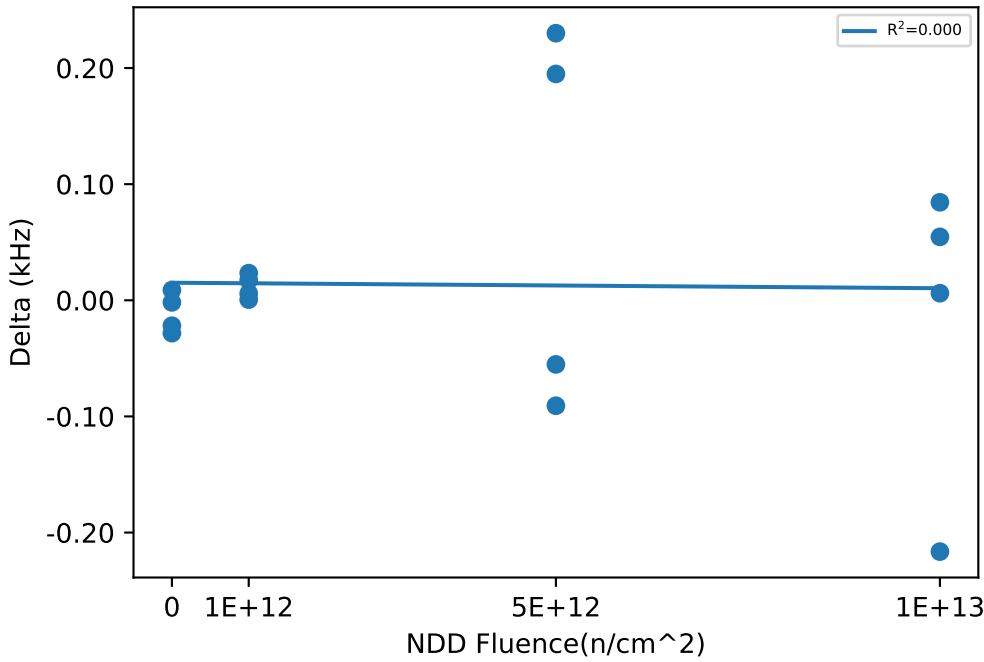
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.468	96.485	0.0174
489	1e+12	NDD	96.951	96.975	0.0234
583	1e+12	NDD	94.575	94.581	0.0059
594	1e+12	NDD	95.082	95.083	0.0006
624	5e+12	NDD	94.583	94.813	0.23
839	5e+12	NDD	97.502	97.411	-0.0908
919	5e+12	NDD	96.766	96.961	0.1949
938	5e+12	NDD	97.026	96.97	-0.0552
988	1e+13	NDD	94.165	94.171	0.0061
1176	1e+13	NDD	94.899	94.984	0.0844
1197	1e+13	NDD	98.026	97.809	-0.2164
1246	0	CORRELATION	95.417	95.425	0.0088
1277	1e+13	NDD	93.397	93.451	0.0546
1357	0	CORRELATION	97.141	97.119	-0.0219
1410	0	CORRELATION	95.399	95.371	-0.0283
1437	0	CORRELATION	97.071	97.069	-0.0018

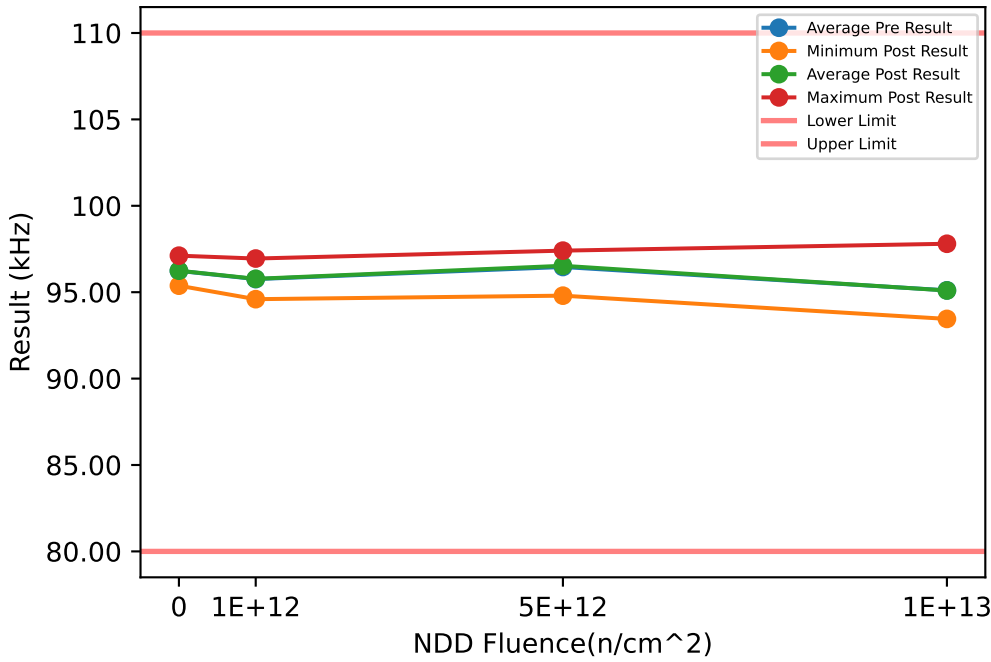
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.399	96.257	97.141	0.9809	95.371	96.246	97.119	0.97971	-0.0283	-0.0108	0.0088	0.017269
1e+12	94.575	95.769	96.951	1.1228	94.581	95.781	96.975	1.1324	0.0006	0.011825	0.0234	0.010427
5e+12	94.583	96.469	97.502	1.294	94.813	96.539	97.411	1.1698	-0.0908	0.069725	0.23	0.16606
1e+13	93.397	95.122	98.026	2.0311	93.451	95.104	97.809	1.9094	-0.2164	-0.017825	0.0844	0.13626

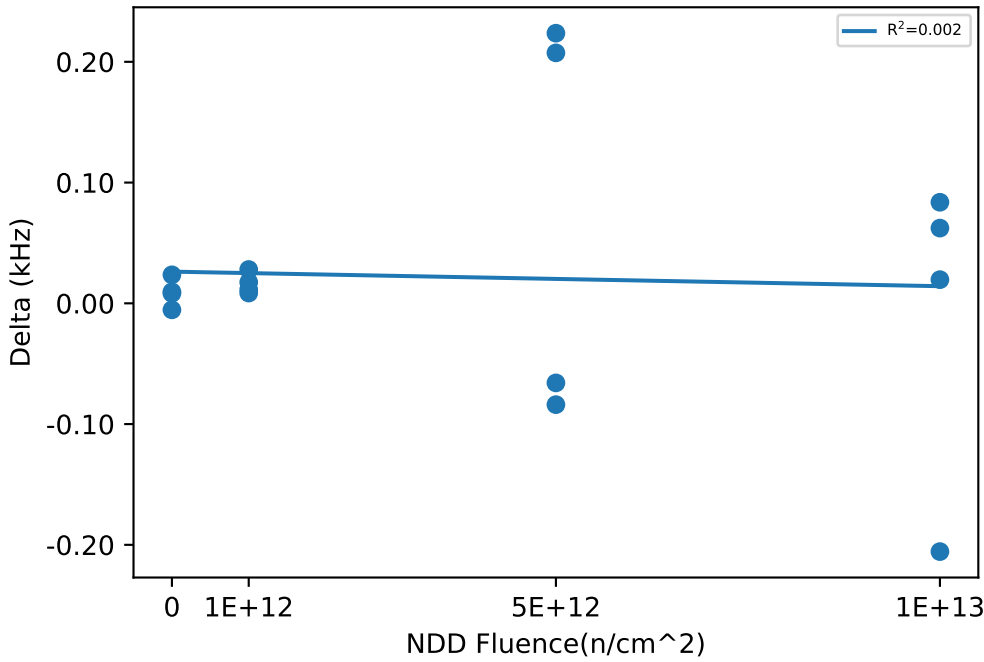
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.465	96.474	0.0085
489	1e+12	NDD	96.936	96.948	0.0114
583	1e+12	NDD	94.568	94.596	0.028
594	1e+12	NDD	95.063	95.08	0.0175
624	5e+12	NDD	94.576	94.8	0.2237
839	5e+12	NDD	97.489	97.405	-0.0839
919	5e+12	NDD	96.744	96.951	0.2074
938	5e+12	NDD	97.025	96.959	-0.0659
988	1e+13	NDD	94.138	94.158	0.0196
1176	1e+13	NDD	94.893	94.976	0.0837
1197	1e+13	NDD	98.008	97.803	-0.2056
1246	0	CORRELATION	95.394	95.418	0.0236
1277	1e+13	NDD	93.392	93.454	0.0623
1357	0	CORRELATION	97.12	97.114	-0.0054
1410	0	CORRELATION	95.368	95.377	0.0095
1437	0	CORRELATION	97.057	97.065	0.0083

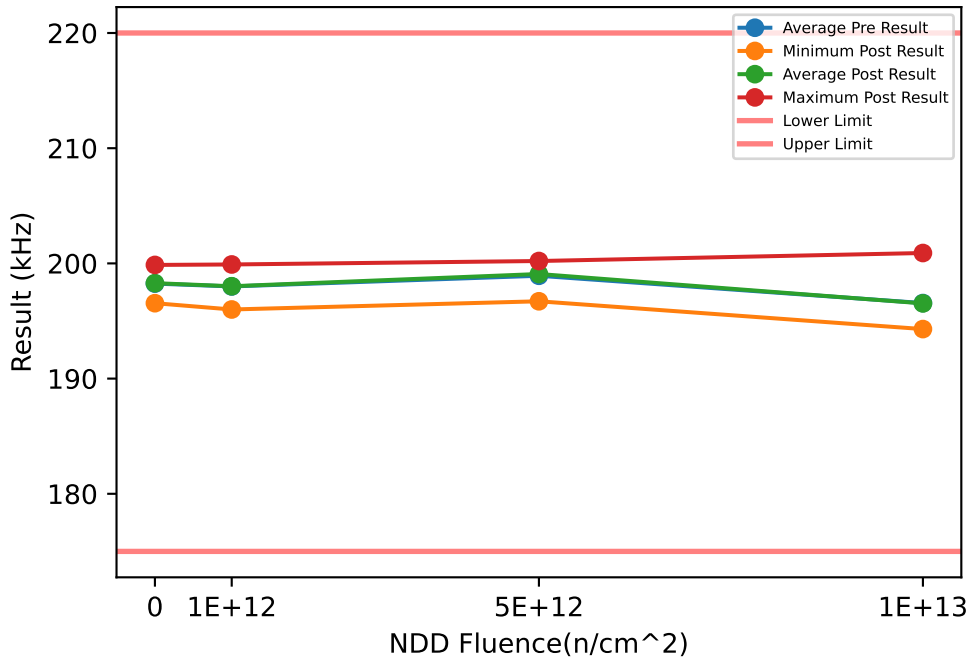
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.368	96.234	97.12	0.98605	95.377	96.243	97.114	0.97728	-0.0054	0.009	0.0236	0.01185
1e+12	94.568	95.758	96.936	1.1237	94.596	95.774	96.948	1.116	0.0085	0.01635	0.028	0.008625
5e+12	94.576	96.458	97.489	1.2921	94.8	96.529	97.405	1.1721	-0.0839	0.070325	0.2237	0.16798
1e+13	93.392	95.108	98.008	2.0284	93.454	95.098	97.803	1.9075	-0.2056	-0.01	0.0837	0.13309

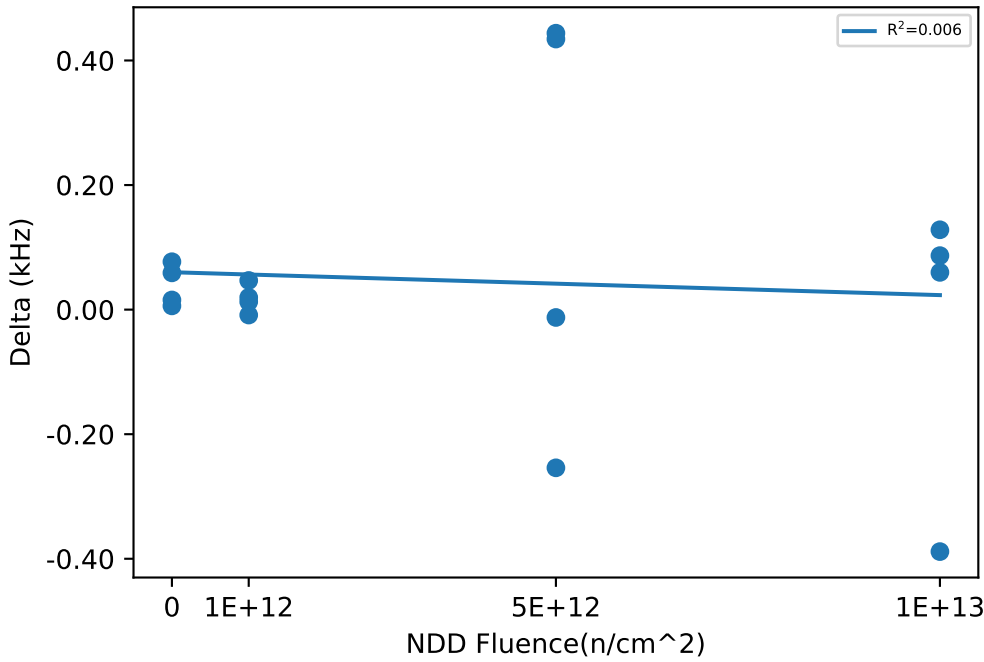
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.39	199.41	0.0196
489	1e+12	NDD	199.89	199.91	0.0126
583	1e+12	NDD	195.95	196	0.0468
594	1e+12	NDD	196.76	196.75	-0.0087
624	5e+12	NDD	196.27	196.71	0.4438
839	5e+12	NDD	200.46	200.21	-0.254
919	5e+12	NDD	199.47	199.91	0.4344
938	5e+12	NDD	199.5	199.49	-0.0126
988	1e+13	NDD	194.56	194.62	0.0598
1176	1e+13	NDD	196.16	196.29	0.1282
1197	1e+13	NDD	201.29	200.9	-0.3885
1246	0	CORRELATION	196.47	196.55	0.0769
1277	1e+13	NDD	194.21	194.3	0.0867
1357	0	CORRELATION	199.86	199.86	0.006
1410	0	CORRELATION	196.81	196.87	0.059
1437	0	CORRELATION	199.85	199.87	0.0155

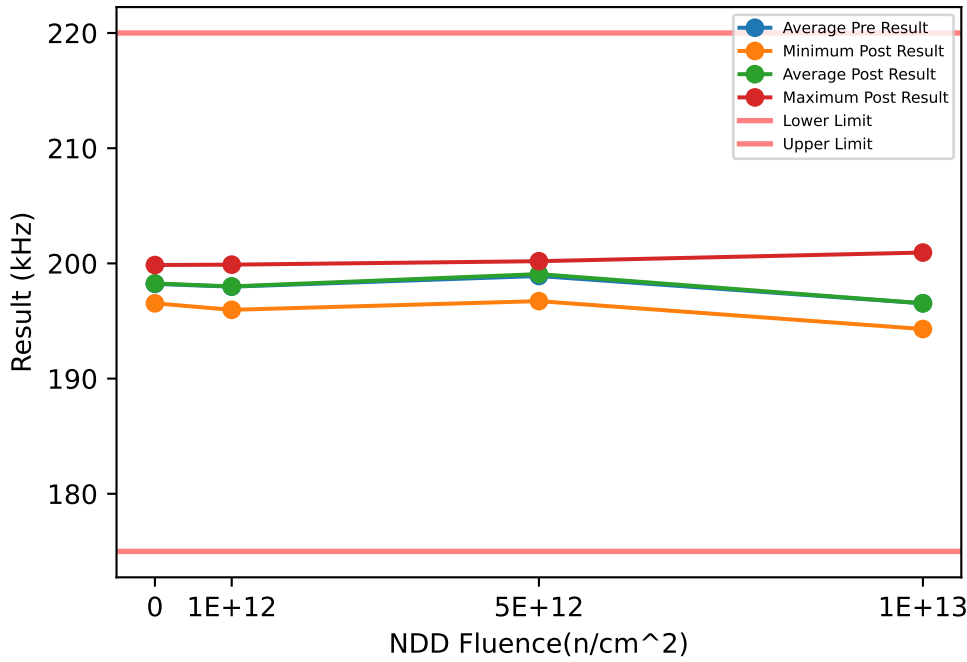
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.47	198.25	199.86	1.8619	196.55	198.29	199.87	1.8284	0.006	0.03935	0.0769	0.034045
1e+12	195.95	198	199.89	1.936	196	198.02	199.91	1.9303	-0.0087	0.017575	0.0468	0.022901
5e+12	196.27	198.93	200.46	1.8308	196.71	199.08	200.21	1.6057	-0.254	0.1529	0.4438	0.34488
1e+13	194.21	196.56	201.29	3.2673	194.3	196.53	200.9	3.0428	-0.3885	-0.02845	0.1282	0.24168

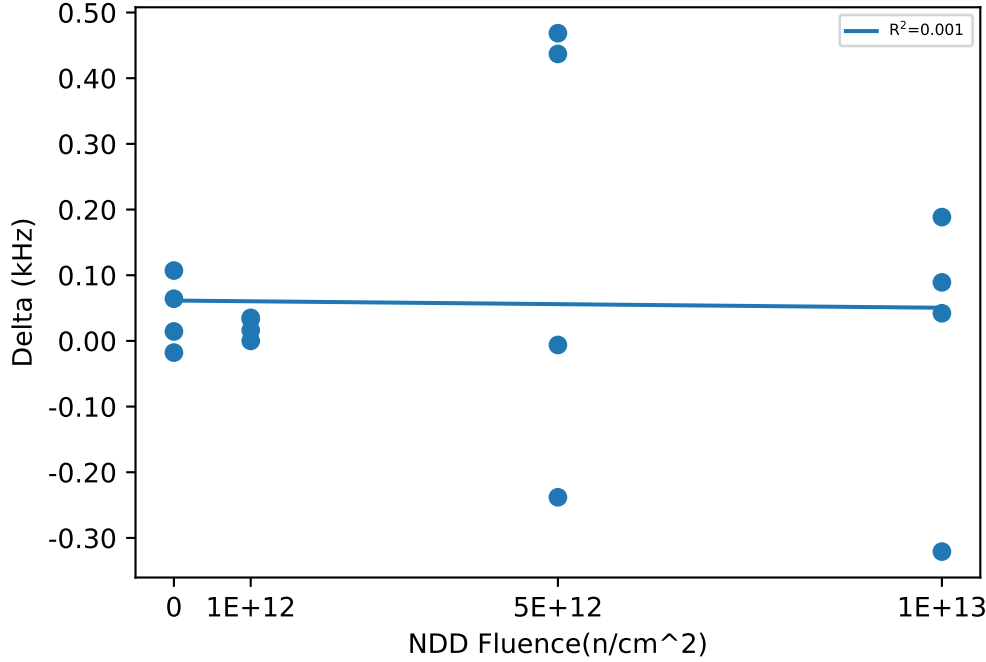
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.37	199.4	0.0351
489	1e+12	NDD	199.89	199.89	0
583	1e+12	NDD	195.94	195.97	0.0335
594	1e+12	NDD	196.72	196.74	0.0162
624	5e+12	NDD	196.26	196.72	0.4685
839	5e+12	NDD	200.43	200.19	-0.2381
919	5e+12	NDD	199.46	199.89	0.4369
938	5e+12	NDD	199.48	199.48	-0.0062
988	1e+13	NDD	194.56	194.6	0.0421
1176	1e+13	NDD	196.11	196.3	0.1885
1197	1e+13	NDD	201.26	200.94	-0.3208
1246	0	CORRELATION	196.43	196.53	0.1071
1277	1e+13	NDD	194.22	194.3	0.0891
1357	0	CORRELATION	199.84	199.82	-0.0178
1410	0	CORRELATION	196.77	196.83	0.0642
1437	0	CORRELATION	199.84	199.86	0.0144

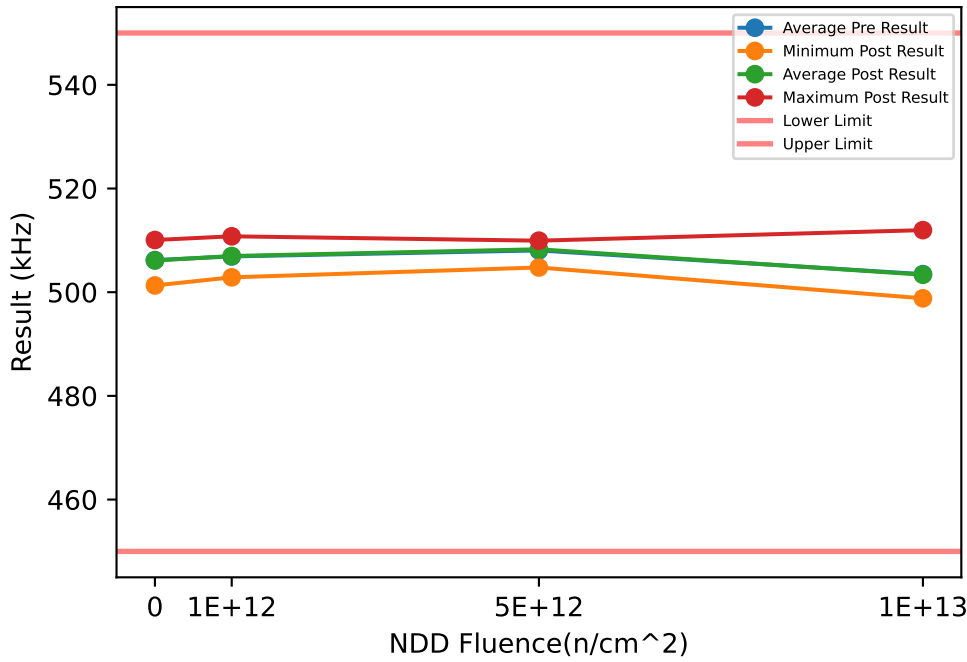
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.43	198.22	199.84	1.8779	196.53	198.26	199.86	1.8264	-0.0178	0.041975	0.1071	0.054981
1e+12	195.94	197.98	199.89	1.9445	195.97	198	199.89	1.9377	0	0.0212	0.0351	0.016522
5e+12	196.26	198.91	200.43	1.8237	196.72	199.07	200.19	1.5918	-0.2381	0.16528	0.4685	0.34537
1e+13	194.22	196.54	201.26	3.2562	194.3	196.54	200.94	3.0651	-0.3208	-0.000275	0.1885	0.22223

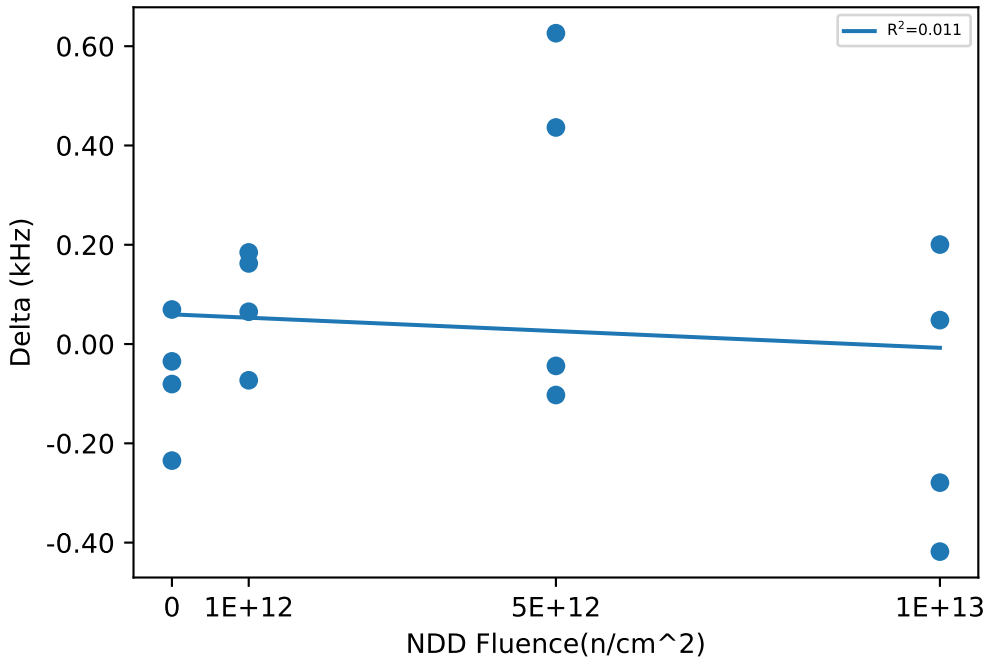
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	509.99	510.15	0.1624
489	1e+12	NDD	510.85	510.78	-0.073
583	1e+12	NDD	502.8	502.87	0.0651
594	1e+12	NDD	503.95	504.13	0.1846
624	5e+12	NDD	504.33	504.77	0.4363
839	5e+12	NDD	509.88	509.83	-0.044
919	5e+12	NDD	509.31	509.94	0.6262
938	5e+12	NDD	508.7	508.6	-0.1027
988	1e+13	NDD	498.62	498.82	0.2004
1176	1e+13	NDD	502.26	501.98	-0.2792
1197	1e+13	NDD	512.39	511.97	-0.4181
1246	0	CORRELATION	501.54	501.3	-0.2348
1277	1e+13	NDD	500.67	500.72	0.0482
1357	0	CORRELATION	509.97	509.89	-0.0806
1410	0	CORRELATION	503.25	503.21	-0.0349
1437	0	CORRELATION	510	510.07	0.0696

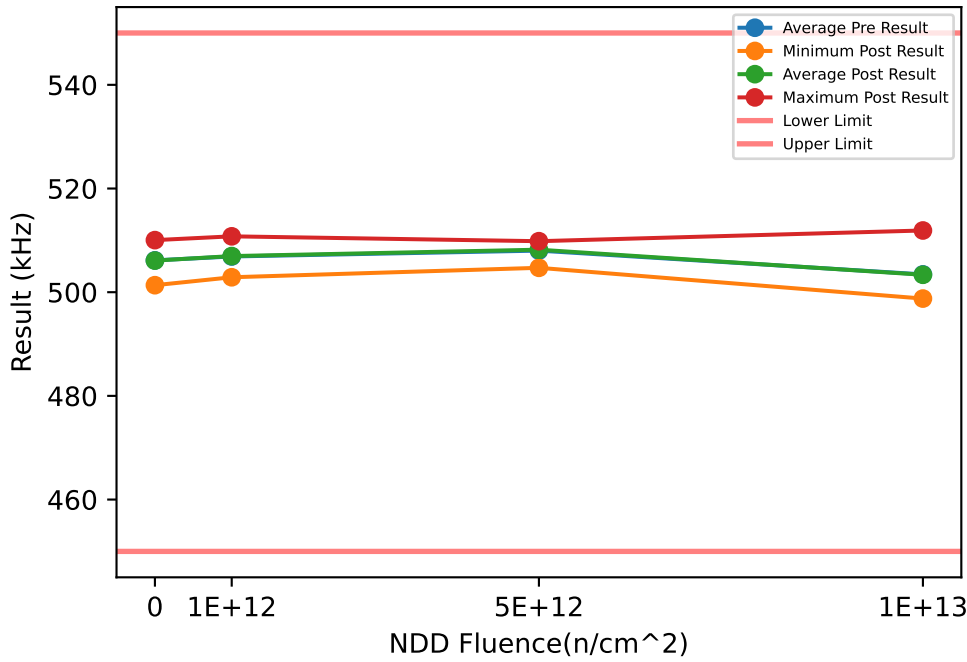
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.54	506.19	510	4.4405	501.3	506.12	510.07	4.5281	-0.2348	-0.070175	0.0696	0.12648
1e+12	502.8	506.9	510.85	4.1102	502.87	506.98	510.78	4.0631	-0.073	0.084775	0.1846	0.11729
5e+12	504.33	508.06	509.88	2.5278	504.77	508.28	509.94	2.4213	-0.1027	0.22895	0.6262	0.35837
1e+13	498.62	503.48	512.39	6.1212	498.82	503.37	511.97	5.8784	-0.4181	-0.11218	0.2004	0.28572

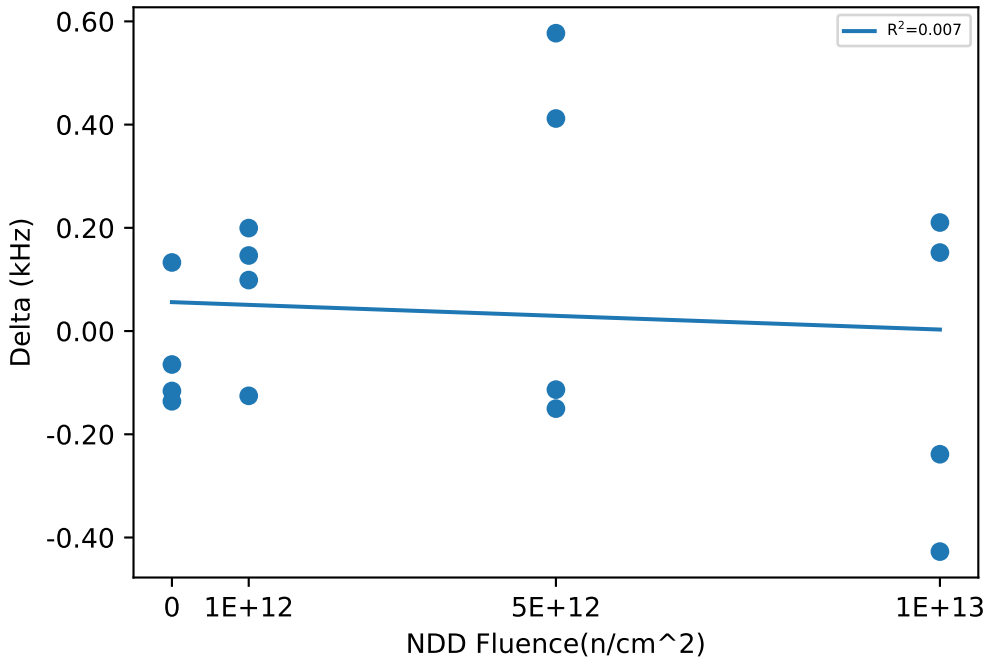
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	509.91	510.11	0.1995
489	1e+12	NDD	510.9	510.78	-0.1255
583	1e+12	NDD	502.78	502.88	0.0988
594	1e+12	NDD	503.97	504.11	0.1464
624	5e+12	NDD	504.29	504.7	0.4118
839	5e+12	NDD	509.87	509.75	-0.1135
919	5e+12	NDD	509.26	509.84	0.5771
938	5e+12	NDD	508.66	508.51	-0.1503
988	1e+13	NDD	498.56	498.77	0.2103
1176	1e+13	NDD	502.25	502.01	-0.2387
1197	1e+13	NDD	512.33	511.9	-0.4273
1246	0	CORRELATION	501.47	501.35	-0.1161
1277	1e+13	NDD	500.6	500.76	0.1521
1357	0	CORRELATION	509.97	509.84	-0.1361
1410	0	CORRELATION	503.22	503.16	-0.0648
1437	0	CORRELATION	509.91	510.04	0.1329

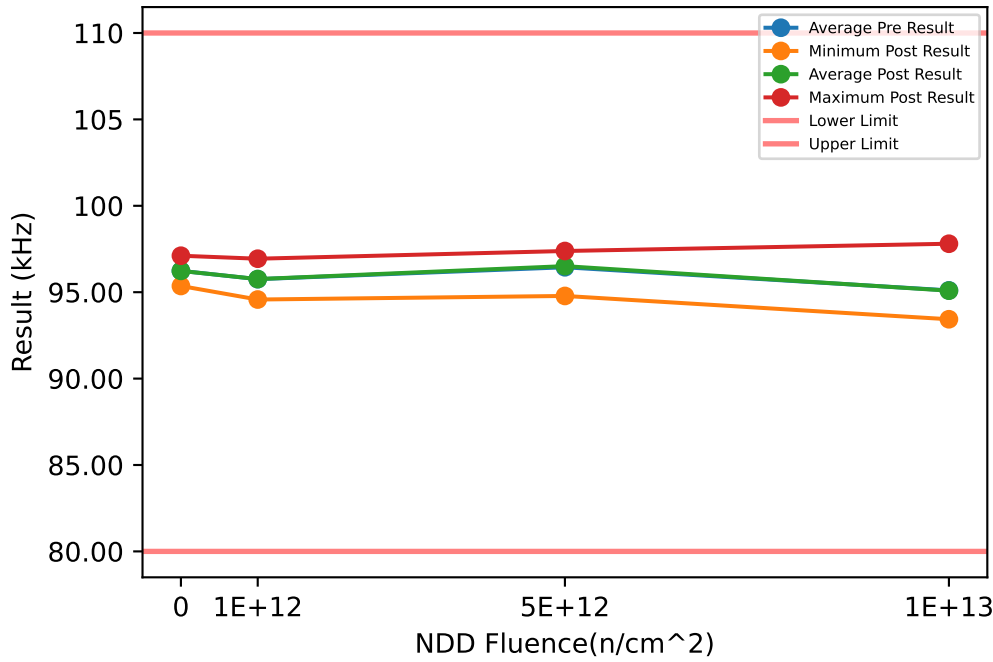
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.47	506.14	509.97	4.4447	501.35	506.1	510.04	4.4995	-0.1361	-0.046025	0.1329	0.123
1e+12	502.78	506.89	510.9	4.1079	502.88	506.97	510.78	4.0503	-0.1255	0.0798	0.1995	0.14291
5e+12	504.29	508.02	509.87	2.5339	504.7	508.2	509.84	2.4098	-0.1503	0.18127	0.5771	0.36817
1e+13	498.56	503.44	512.33	6.1189	498.77	503.36	511.9	5.8497	-0.4273	-0.0759	0.2103	0.30761

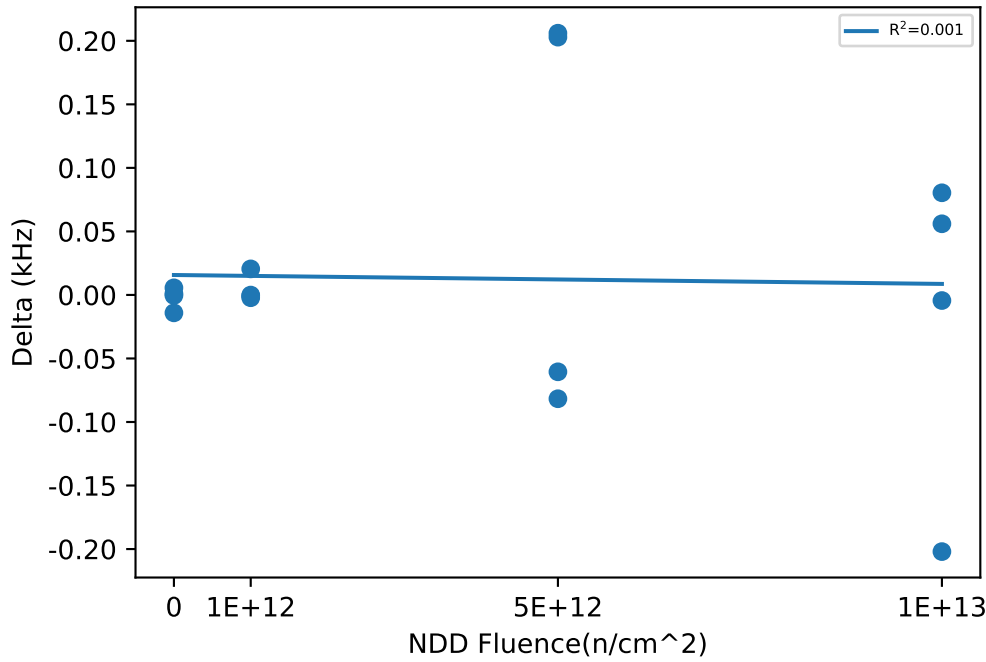
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.452	96.451	-0.0008
489	1e+12	NDD	96.938	96.938	-0.0001
583	1e+12	NDD	94.555	94.576	0.0205
594	1e+12	NDD	95.076	95.074	-0.0022
624	5e+12	NDD	94.577	94.783	0.206
839	5e+12	NDD	97.466	97.384	-0.0817
919	5e+12	NDD	96.727	96.929	0.2029
938	5e+12	NDD	96.998	96.937	-0.0605
988	1e+13	NDD	94.148	94.144	-0.0044
1176	1e+13	NDD	94.89	94.97	0.0804
1197	1e+13	NDD	98.006	97.804	-0.202
1246	0	CORRELATION	95.404	95.405	0.001
1277	1e+13	NDD	93.379	93.434	0.056
1357	0	CORRELATION	97.105	97.111	0.0056
1410	0	CORRELATION	95.374	95.36	-0.0141
1437	0	CORRELATION	97.055	97.055	-0.0004

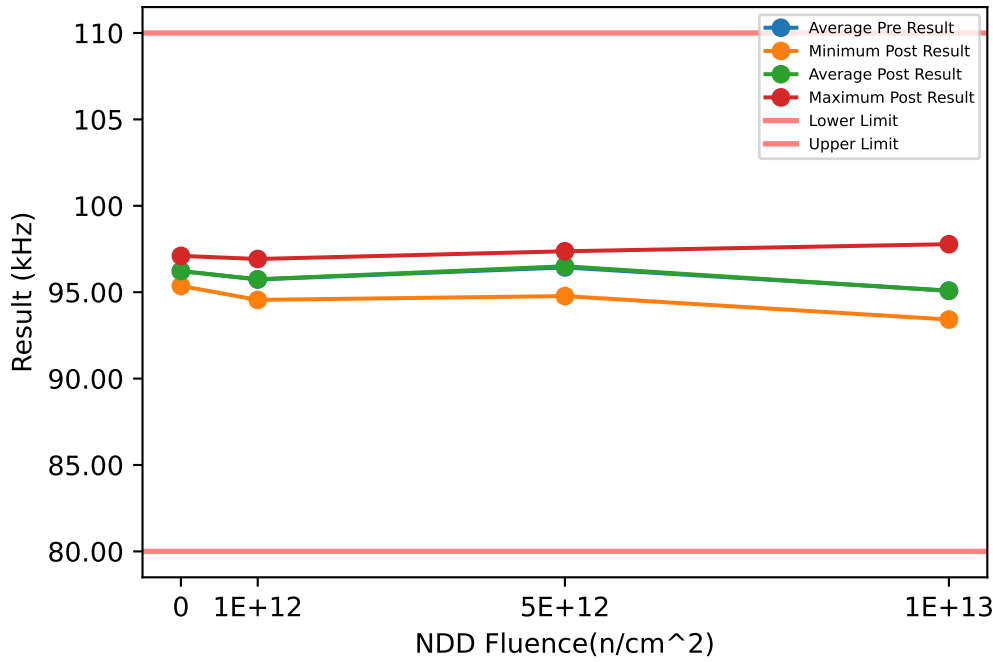
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.374	96.235	97.105	0.97662	95.36	96.233	97.111	0.98205	-0.0141	-0.001975	0.0056	0.0084799
1e+12	94.555	95.755	96.938	1.1233	94.576	95.76	96.938	1.1163	-0.0022	0.00435	0.0205	0.010802
5e+12	94.577	96.442	97.466	1.2803	94.783	96.508	97.384	1.17	-0.0817	0.066675	0.206	0.15933
1e+13	93.379	95.106	98.006	2.0298	93.434	95.088	97.804	1.9164	-0.202	-0.0175	0.0804	0.12806

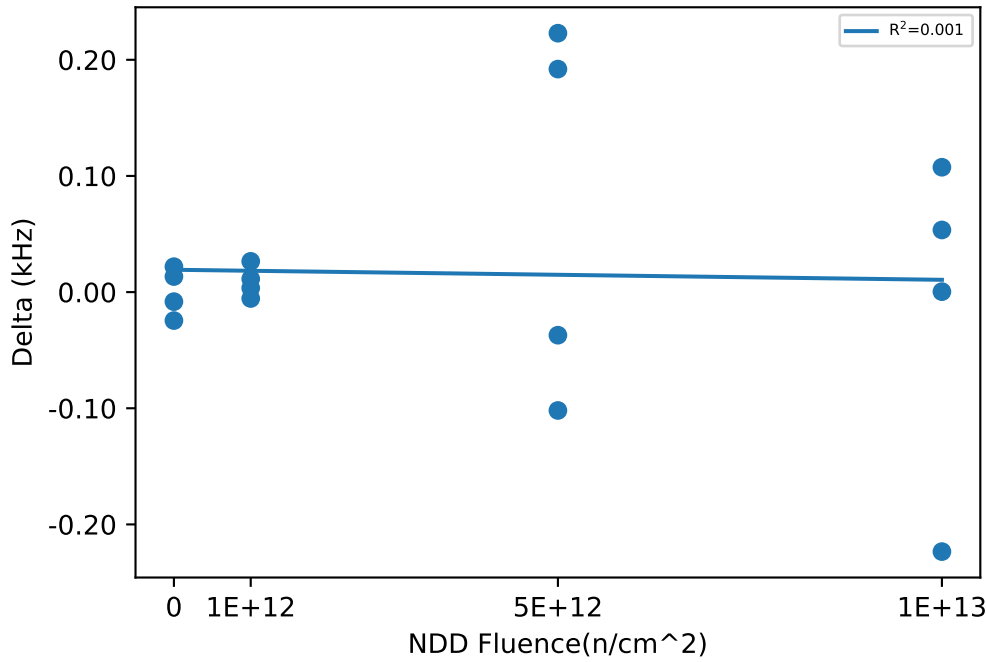
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.424	96.45	0.0265
489	1e+12	NDD	96.927	96.921	-0.0055
583	1e+12	NDD	94.551	94.554	0.0035
594	1e+12	NDD	95.05	95.061	0.0114
624	5e+12	NDD	94.553	94.776	0.2229
839	5e+12	NDD	97.47	97.368	-0.1019
919	5e+12	NDD	96.729	96.921	0.192
938	5e+12	NDD	96.983	96.946	-0.0371
988	1e+13	NDD	94.138	94.138	0.0004
1176	1e+13	NDD	94.864	94.972	0.1075
1197	1e+13	NDD	98.002	97.779	-0.2234
1246	0	CORRELATION	95.374	95.396	0.0219
1277	1e+13	NDD	93.364	93.418	0.0535
1357	0	CORRELATION	97.111	97.103	-0.0082
1410	0	CORRELATION	95.35	95.363	0.0134
1437	0	CORRELATION	97.054	97.029	-0.0245

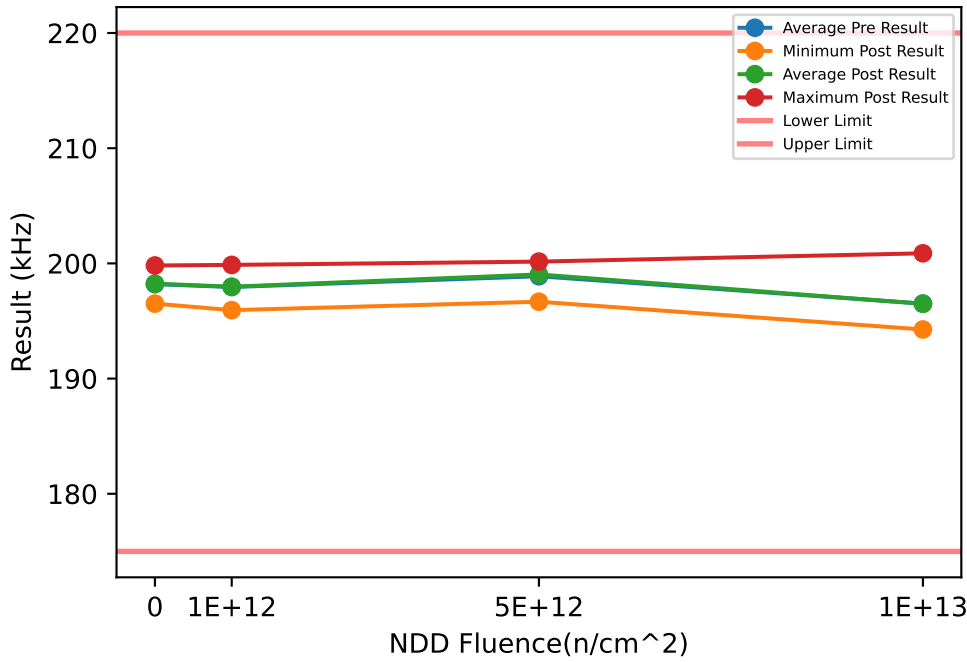
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.35	96.222	97.111	0.99357	95.363	96.223	97.103	0.97417	-0.0245	0.00065	0.0219	0.021016
1e+12	94.551	95.738	96.927	1.1205	94.554	95.747	96.921	1.1204	-0.0055	0.008975	0.0265	0.013571
5e+12	94.553	96.434	97.47	1.2911	94.776	96.503	97.368	1.1695	-0.1019	0.068975	0.2229	0.16256
1e+13	93.364	95.092	98.002	2.0346	93.418	95.077	97.779	1.9102	-0.2234	-0.0155	0.1075	0.14533

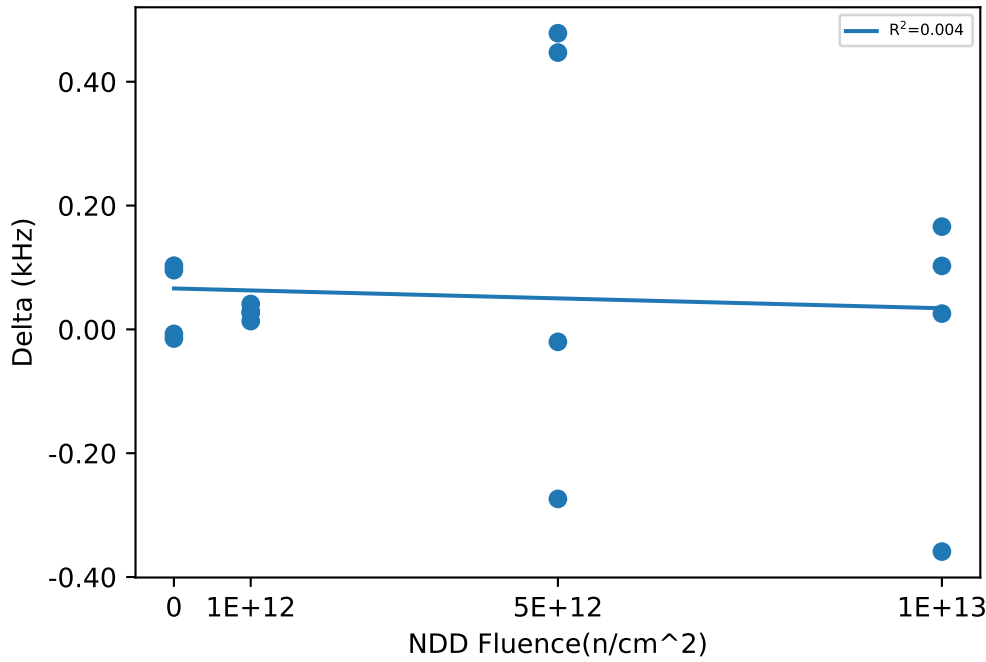
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.35	199.36	0.0134
489	1e+12	NDD	199.84	199.87	0.0293
583	1e+12	NDD	195.91	195.94	0.0263
594	1e+12	NDD	196.69	196.73	0.041
624	5e+12	NDD	196.23	196.67	0.4471
839	5e+12	NDD	200.43	200.16	-0.2738
919	5e+12	NDD	199.4	199.88	0.4784
938	5e+12	NDD	199.48	199.46	-0.0201
988	1e+13	NDD	194.54	194.56	0.0255
1176	1e+13	NDD	196.1	196.27	0.166
1197	1e+13	NDD	201.23	200.88	-0.3589
1246	0	CORRELATION	196.41	196.51	0.1029
1277	1e+13	NDD	194.16	194.26	0.1025
1357	0	CORRELATION	199.83	199.82	-0.0148
1410	0	CORRELATION	196.73	196.83	0.0956
1437	0	CORRELATION	199.83	199.82	-0.0073

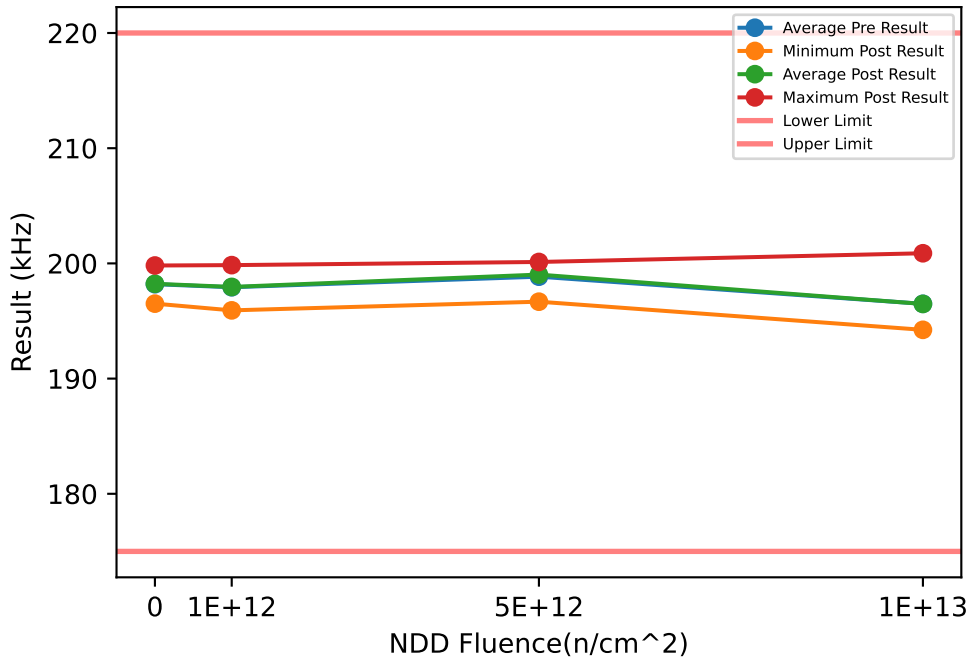
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.41	198.2	199.83	1.8868	196.51	198.24	199.82	1.823	-0.0148	0.0441	0.1029	0.063825
1e+12	195.91	197.95	199.84	1.9381	195.94	197.98	199.87	1.9328	0.0134	0.0275	0.041	0.011339
5e+12	196.23	198.88	200.43	1.8321	196.67	199.04	200.16	1.6048	-0.2738	0.1579	0.4784	0.36715
1e+13	194.16	196.51	201.23	3.2603	194.26	196.49	200.88	3.0521	-0.3589	-0.016225	0.166	0.23556

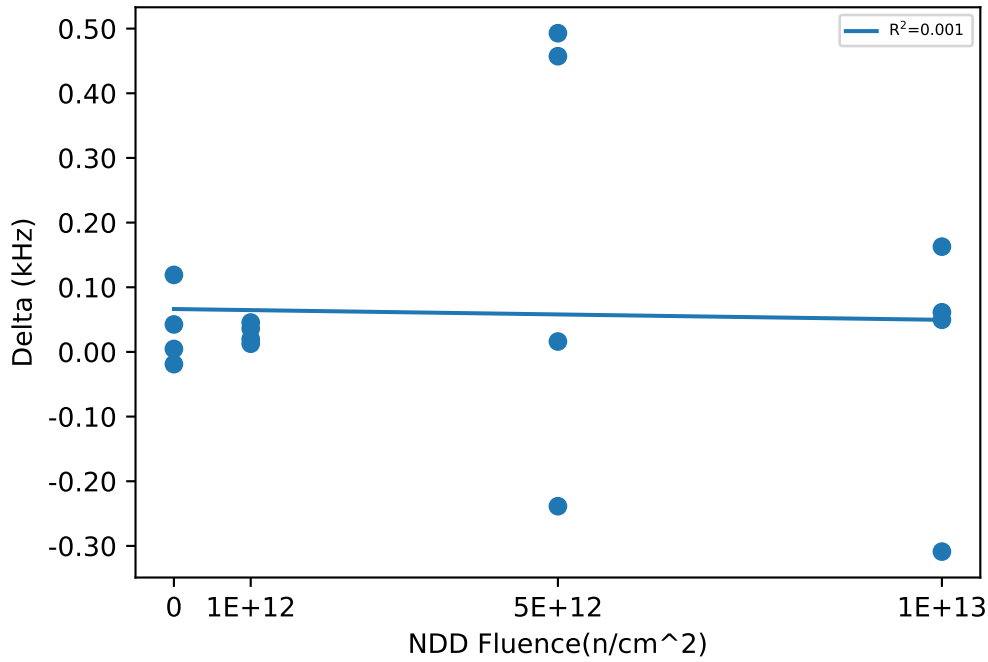
NDD vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	199.31	199.35	0.0361
489	1e+12	NDD	199.8	199.85	0.0455
583	1e+12	NDD	195.91	195.92	0.0127
594	1e+12	NDD	196.69	196.71	0.02
624	5e+12	NDD	196.22	196.68	0.4573
839	5e+12	NDD	200.36	200.12	-0.2386
919	5e+12	NDD	199.37	199.86	0.4929
938	5e+12	NDD	199.44	199.45	0.0161
988	1e+13	NDD	194.52	194.57	0.0497
1176	1e+13	NDD	196.08	196.24	0.1628
1197	1e+13	NDD	201.19	200.88	-0.3088
1246	0	CORRELATION	196.39	196.51	0.1191
1277	1e+13	NDD	194.17	194.23	0.0613
1357	0	CORRELATION	199.82	199.8	-0.0189
1410	0	CORRELATION	196.76	196.8	0.0425
1437	0	CORRELATION	199.81	199.82	0.0046

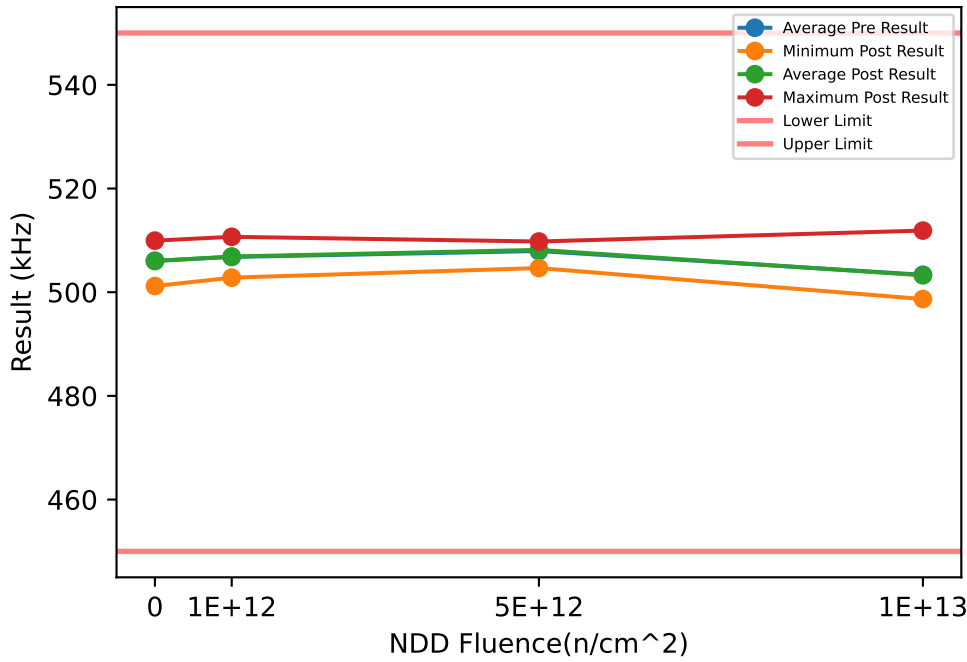
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.39	198.19	199.82	1.8795	196.51	198.23	199.82	1.8266	-0.0189	0.036825	0.1191	0.060402
1e+12	195.91	197.93	199.8	1.9195	195.92	197.96	199.85	1.9343	0.0127	0.028575	0.0455	0.014929
5e+12	196.22	198.85	200.36	1.8098	196.68	199.03	200.12	1.5928	-0.2386	0.18192	0.4929	0.35444
1e+13	194.17	196.49	201.19	3.2407	194.23	196.48	200.88	3.0616	-0.3088	-0.00875	0.1628	0.20638

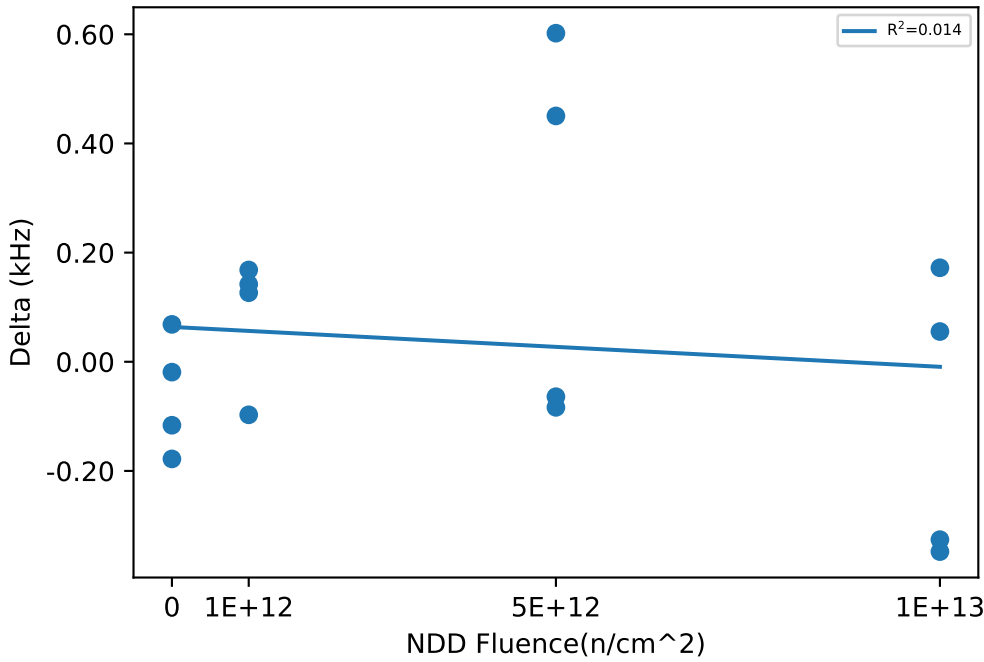
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	509.87	510.01	0.1421
489	1e+12	NDD	510.78	510.68	-0.0972
583	1e+12	NDD	502.68	502.81	0.1265
594	1e+12	NDD	503.86	504.02	0.1682
624	5e+12	NDD	504.21	504.66	0.4504
839	5e+12	NDD	509.79	509.73	-0.064
919	5e+12	NDD	509.18	509.78	0.602
938	5e+12	NDD	508.59	508.5	-0.0835
988	1e+13	NDD	498.51	498.68	0.1722
1176	1e+13	NDD	502.17	501.82	-0.3478
1197	1e+13	NDD	512.21	511.89	-0.3259
1246	0	CORRELATION	501.36	501.18	-0.178
1277	1e+13	NDD	500.56	500.61	0.0554
1357	0	CORRELATION	509.86	509.75	-0.1163
1410	0	CORRELATION	503.17	503.15	-0.019
1437	0	CORRELATION	509.88	509.94	0.0685

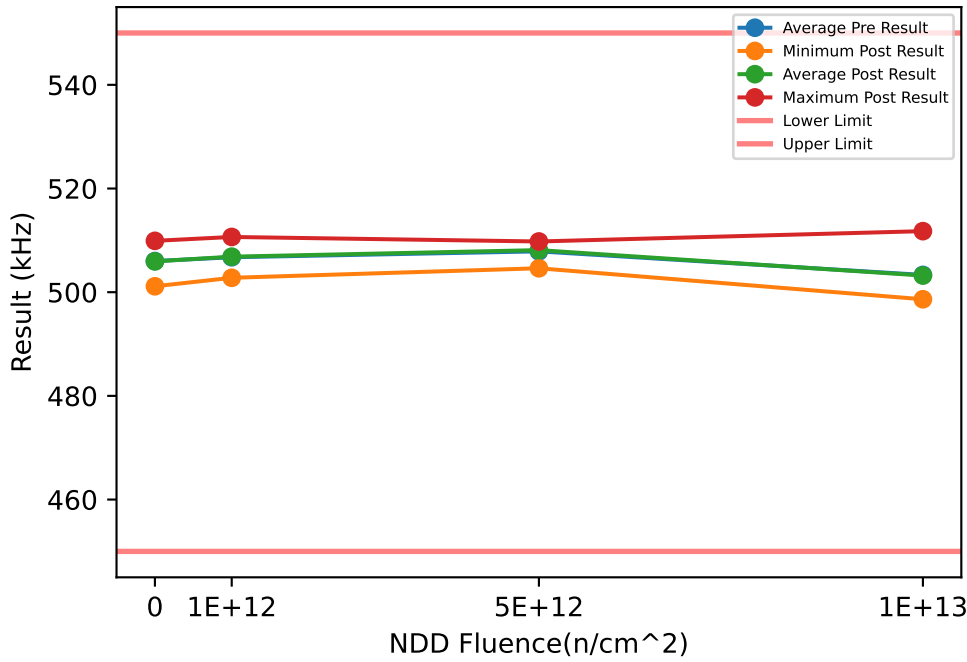
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.36	506.07	509.88	4.4509	501.18	506.01	509.94	4.5052	-0.178	-0.0612	0.0685	0.10845
1e+12	502.68	506.8	510.78	4.1204	502.81	506.88	510.68	4.0434	-0.0972	0.0849	0.1682	0.12261
5e+12	504.21	507.94	509.79	2.5375	504.66	508.17	509.78	2.413	-0.0835	0.22623	0.602	0.35196
1e+13	498.51	503.36	512.21	6.088	498.68	503.25	511.89	5.9014	-0.3478	-0.11153	0.1722	0.26467

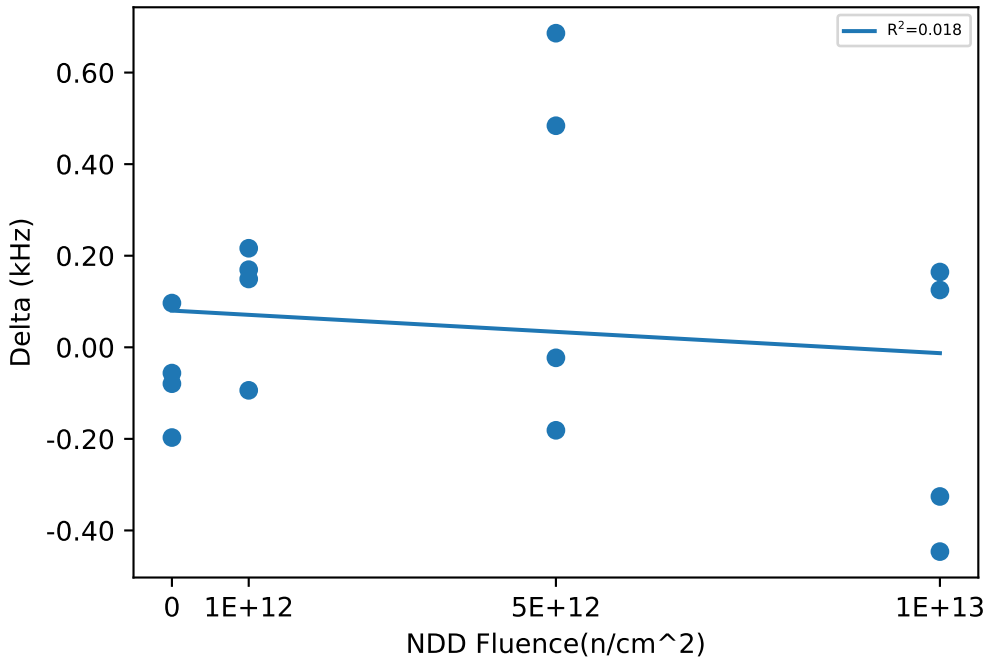
NDD vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	509.8	509.95	0.1492
489	1e+12	NDD	510.75	510.65	-0.094
583	1e+12	NDD	502.61	502.78	0.1695
594	1e+12	NDD	503.81	504.03	0.2163
624	5e+12	NDD	504.13	504.62	0.4839
839	5e+12	NDD	509.71	509.68	-0.023
919	5e+12	NDD	509.1	509.78	0.686
938	5e+12	NDD	508.57	508.39	-0.1813
988	1e+13	NDD	498.47	498.64	0.1644
1176	1e+13	NDD	502.14	501.81	-0.3258
1197	1e+13	NDD	512.22	511.78	-0.4462
1246	0	CORRELATION	501.34	501.14	-0.1971
1277	1e+13	NDD	500.5	500.62	0.1252
1357	0	CORRELATION	509.76	509.68	-0.0795
1410	0	CORRELATION	503.11	503.06	-0.0563
1437	0	CORRELATION	509.81	509.9	0.0966

NDD vs Post - Pre Exposure Delta

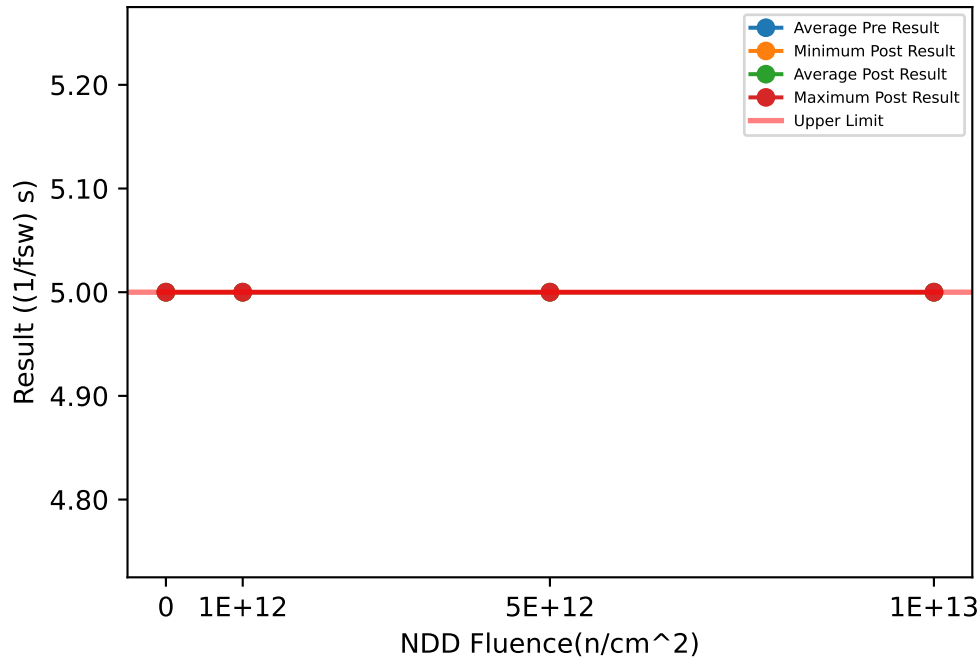


Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.34	506.01	509.81	4.4227	501.14	505.95	509.9	4.5103	-0.1971	-0.059075	0.0966	0.12071
1e+12	502.61	506.74	510.75	4.1264	502.78	506.85	510.65	4.0261	-0.094	0.11025	0.2163	0.13904
5e+12	504.13	507.88	509.71	2.5392	504.62	508.12	509.78	2.4197	-0.1813	0.2414	0.686	0.41031
1e+13	498.47	503.33	512.22	6.1135	498.64	503.21	511.78	5.8581	-0.4462	-0.1206	0.1644	0.31079

Device Test: 20.72 FREQ|DETECTION/SYNC/12/12/0/0/5/100kHz//@T_SYNC_DET

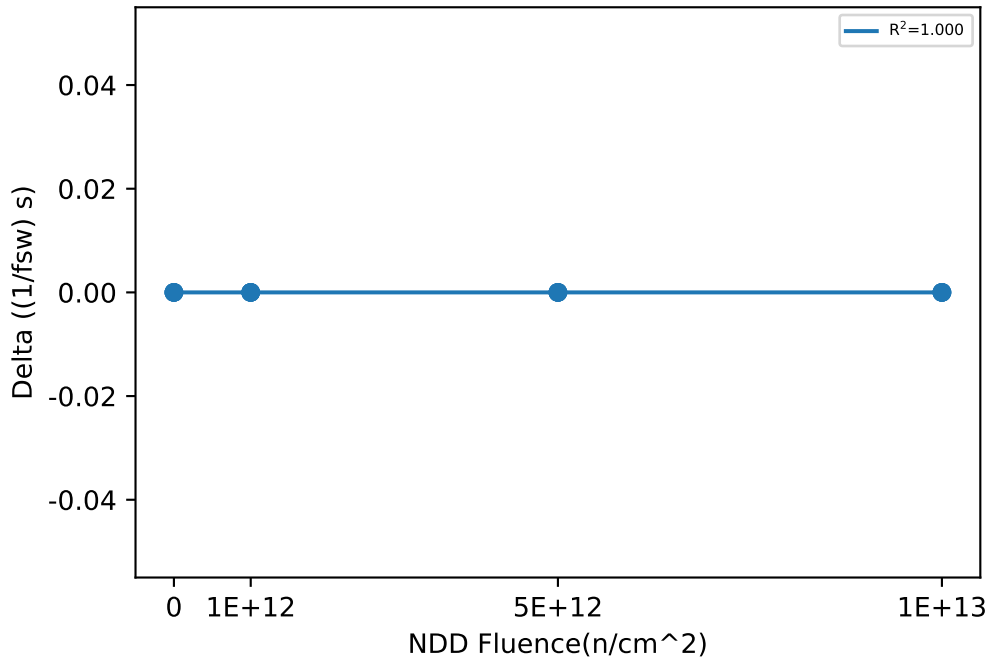
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

NDD vs Post - Pre Exposure Delta

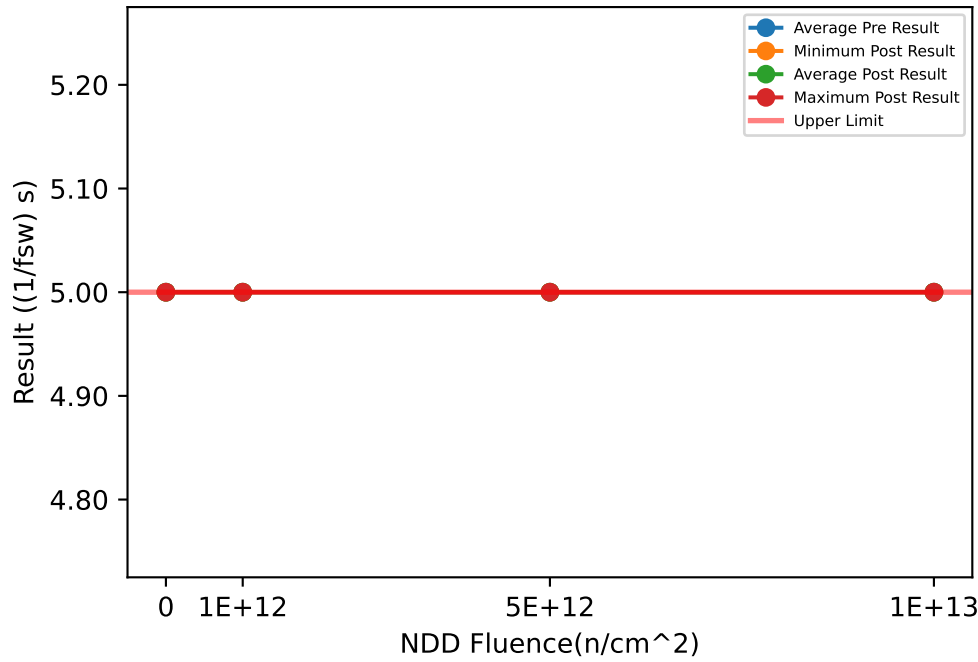


Test Statistics ((1/fsw) s)

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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 20.74 FREQ|DETECTION/SYNC/14/14/0/0/5/100kHz//@T_SYNC_DET

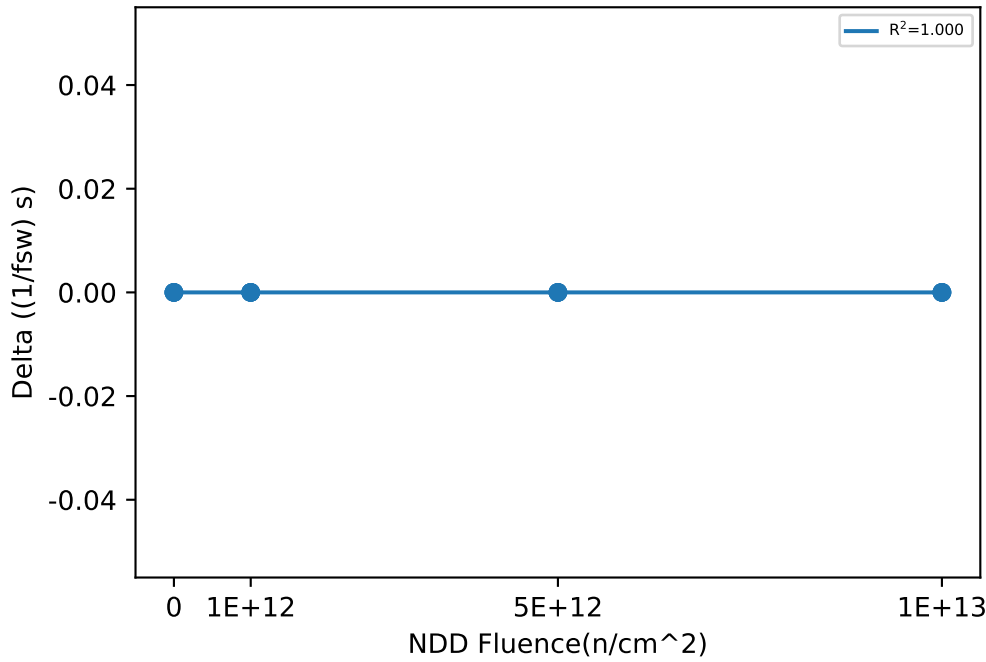
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

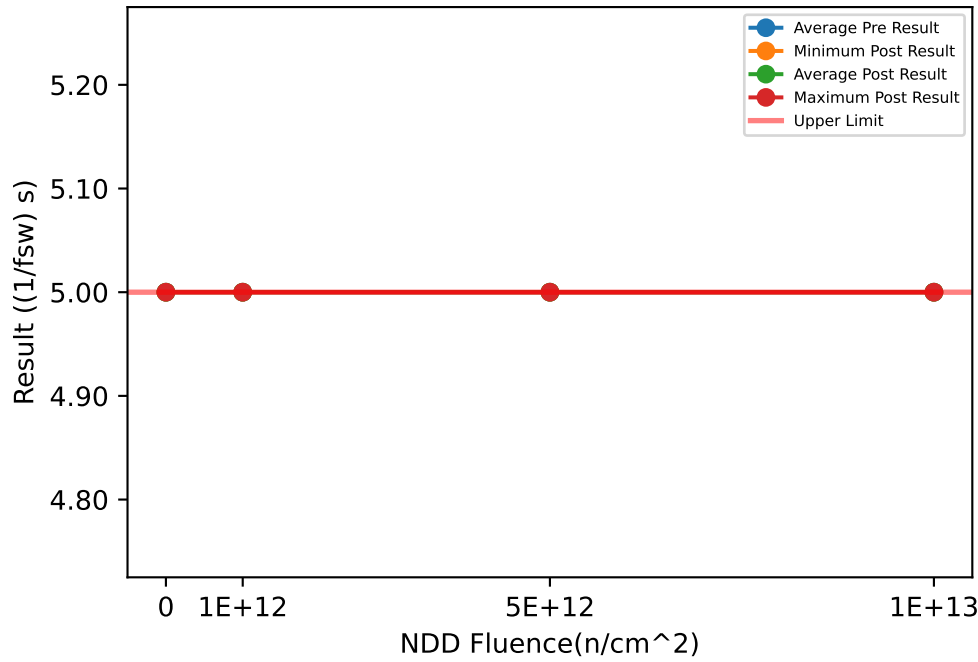
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

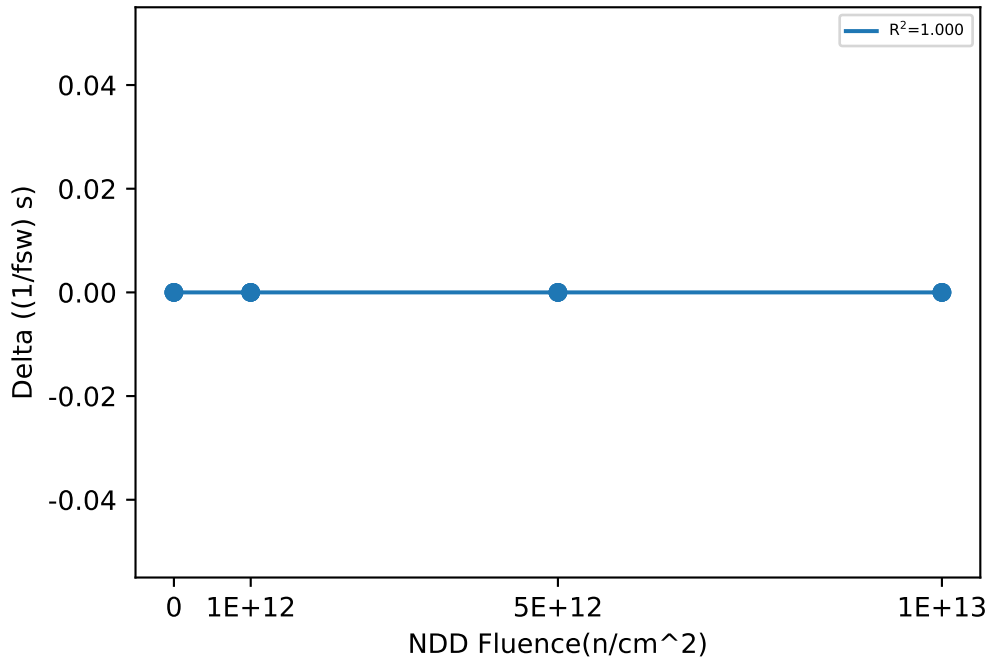
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

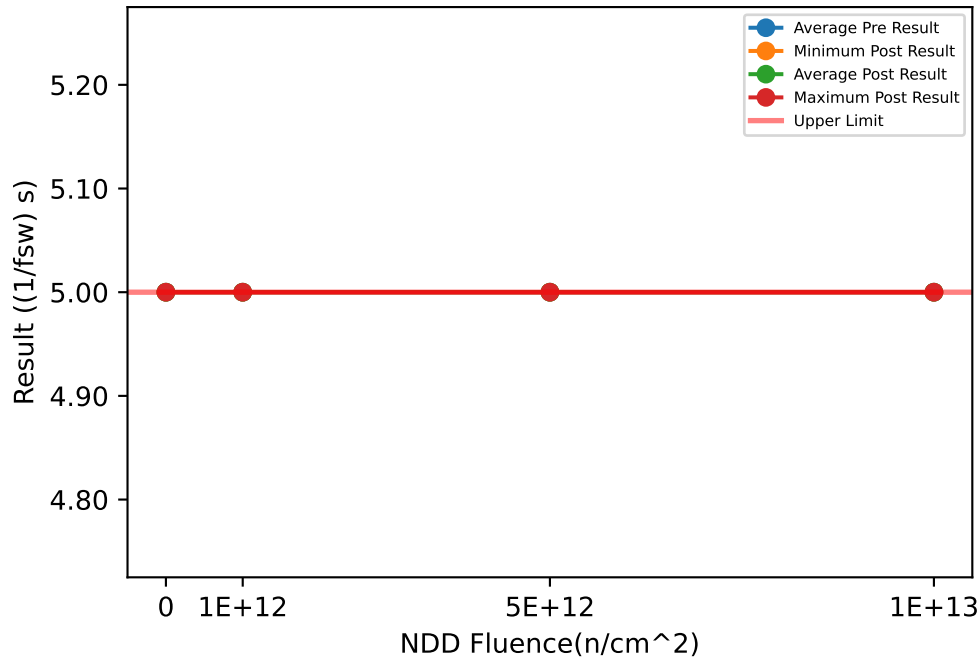
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

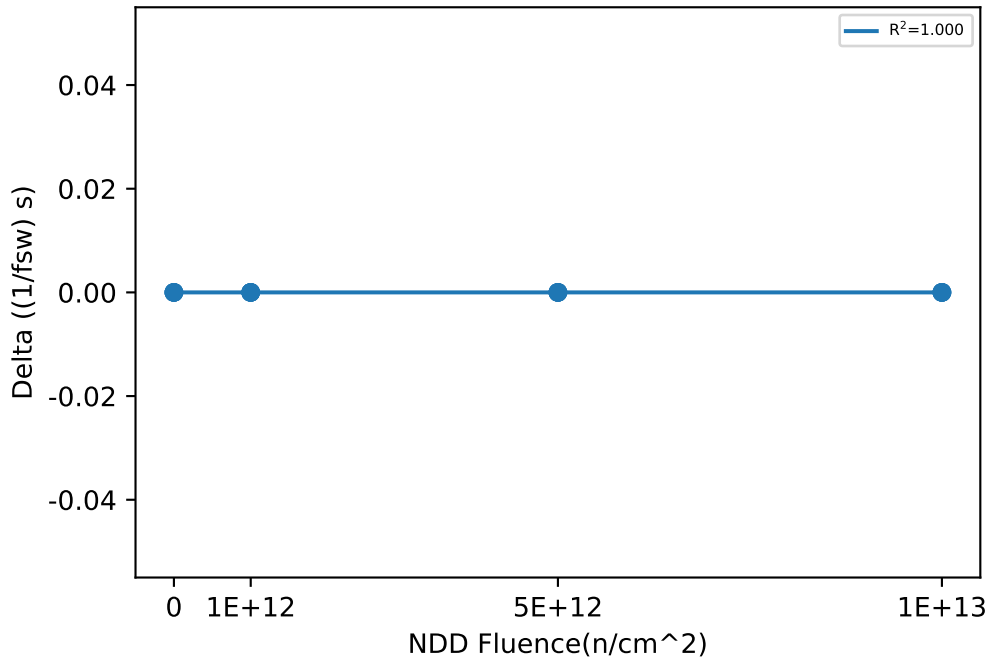
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

NDD vs Post - Pre Exposure Delta

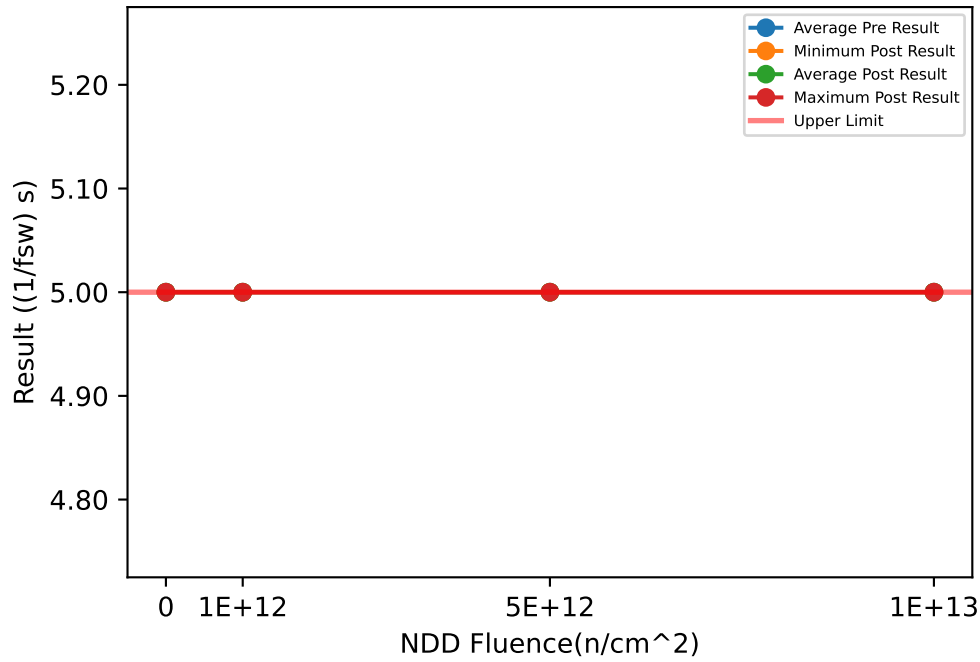


Test Statistics ((1/fsw) s)

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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 20.80 FREQ|DETECTION/SYNC/12/12/0/0/5/500kHz//@T_SYNC_DET

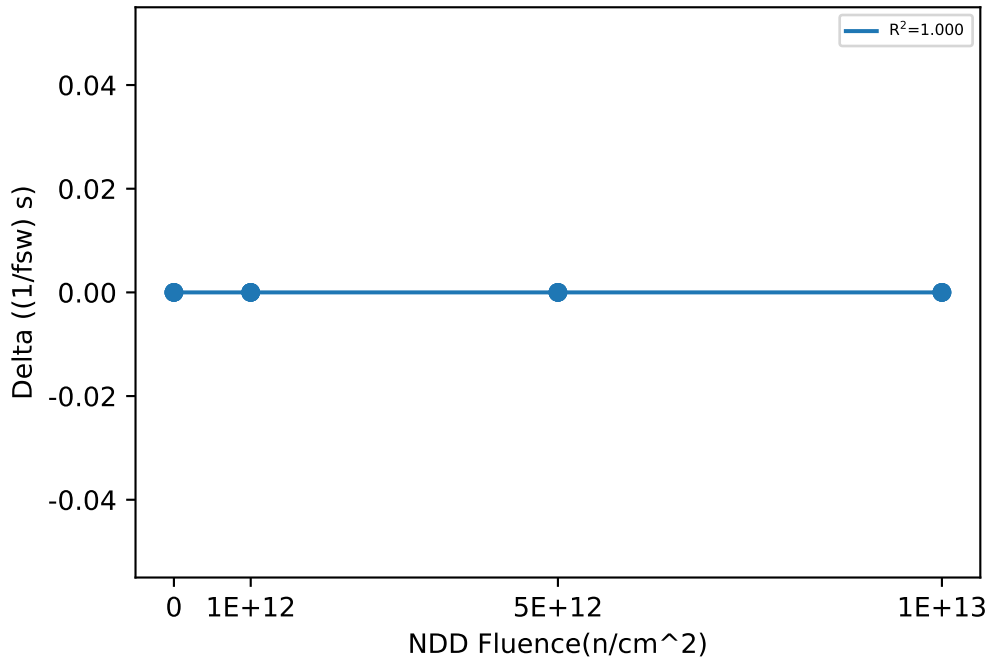
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

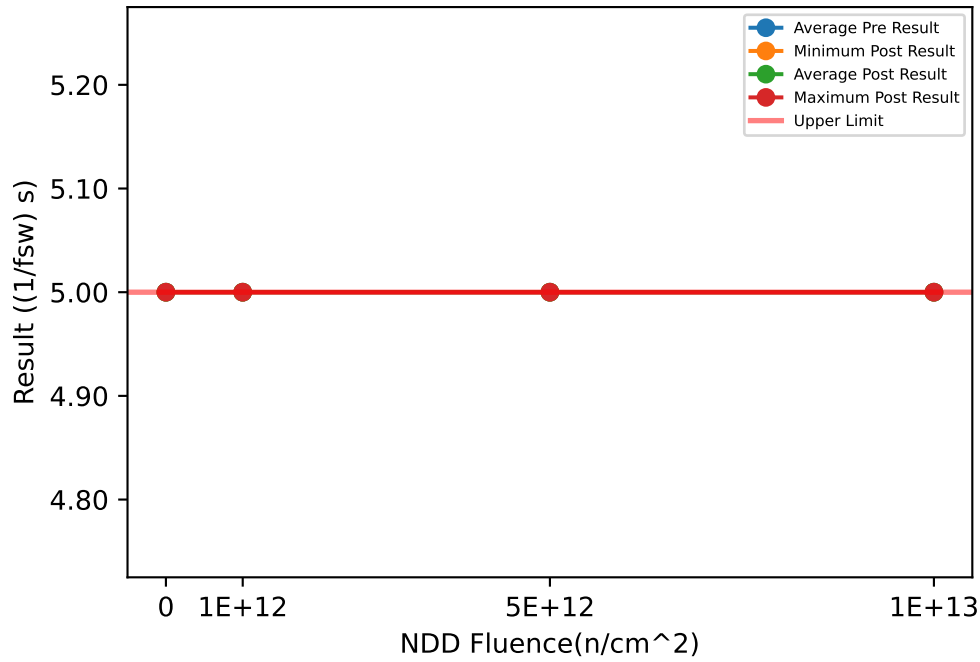
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

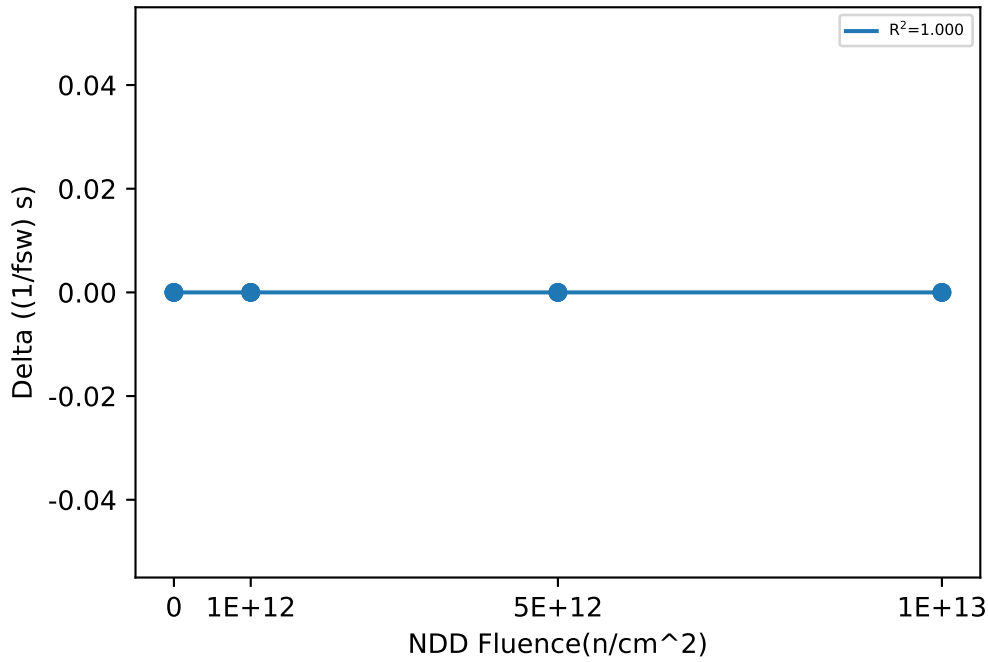
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	5	5	0
489	1e+12	NDD	5	5	0
583	1e+12	NDD	5	5	0
594	1e+12	NDD	5	5	0
624	5e+12	NDD	5	5	0
839	5e+12	NDD	5	5	0
919	5e+12	NDD	5	5	0
938	5e+12	NDD	5	5	0
988	1e+13	NDD	5	5	0
1176	1e+13	NDD	5	5	0
1197	1e+13	NDD	5	5	0
1246	0	CORRELATION	5	5	0
1277	1e+13	NDD	5	5	0
1357	0	CORRELATION	5	5	0
1410	0	CORRELATION	5	5	0
1437	0	CORRELATION	5	5	0

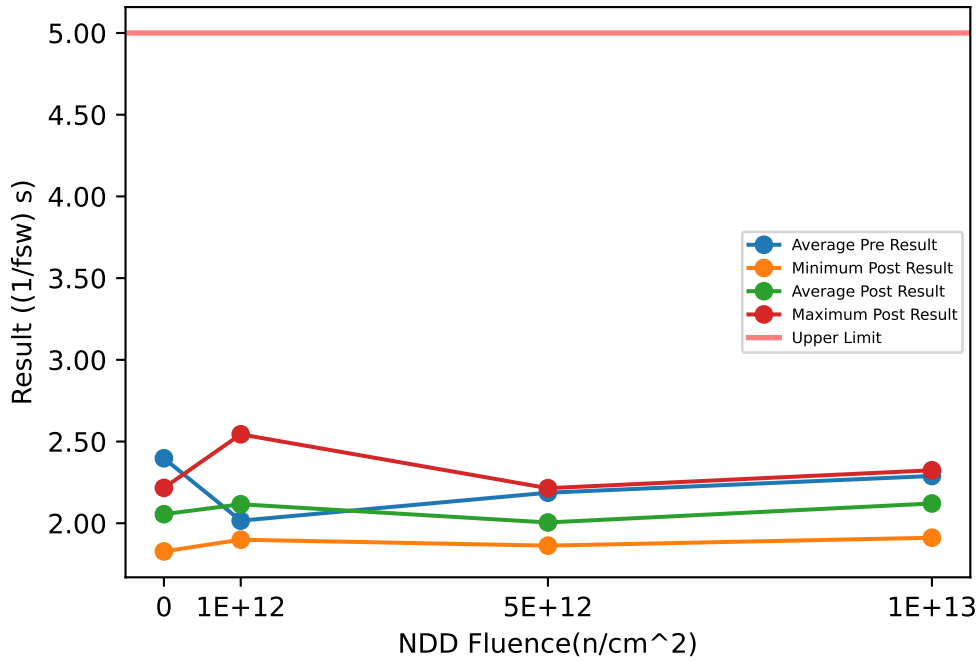
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	5	5	5	0	5	5	5	0	0	0	0	0
1e+12	5	5	5	0	5	5	5	0	0	0	0	0
5e+12	5	5	5	0	5	5	5	0	0	0	0	0
1e+13	5	5	5	0	5	5	5	0	0	0	0	0

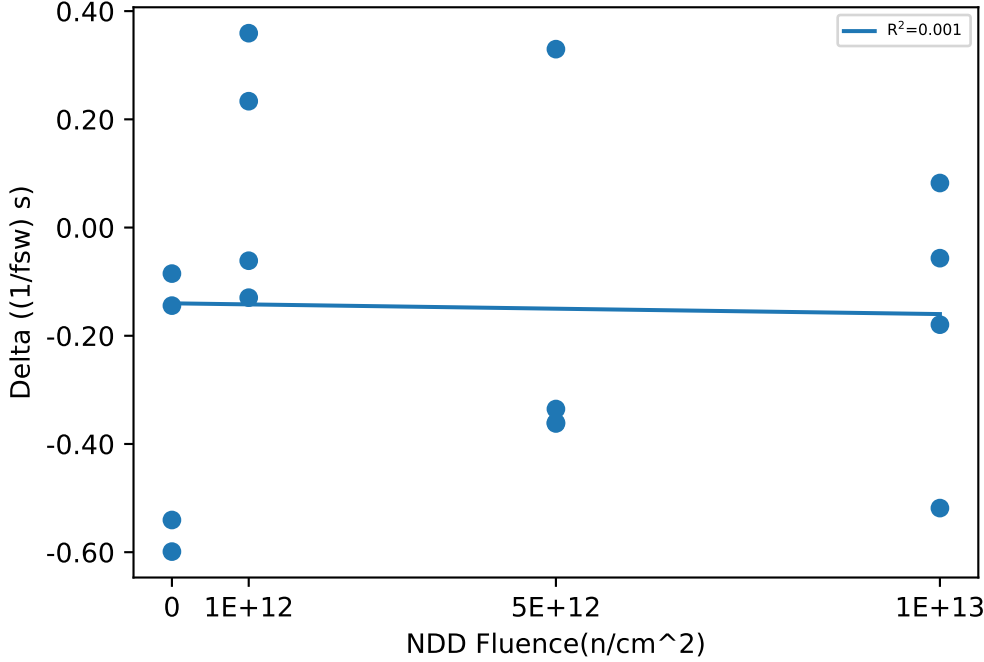
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.0289	1.8993	-0.1296
489	1e+12	NDD	2.185	2.5442	0.3592
583	1e+12	NDD	2.0013	1.94	-0.0613
594	1e+12	NDD	1.848	2.0815	0.2335
624	5e+12	NDD	2.2965	1.9611	-0.3354
839	5e+12	NDD	1.8849	2.2146	0.3297
919	5e+12	NDD	2.3423	1.9802	-0.3621
938	5e+12	NDD	2.2237	1.863	-0.3607
988	1e+13	NDD	2.3809	2.3243	-0.0566
1176	1e+13	NDD	2.43	1.9115	-0.5185
1197	1e+13	NDD	1.8935	1.9758	0.0823
1246	0	CORRELATION	2.5561	2.0156	-0.5405
1277	1e+13	NDD	2.4522	2.2727	-0.1795
1357	0	CORRELATION	2.306	2.1617	-0.1443
1410	0	CORRELATION	2.4267	1.8278	-0.5989
1437	0	CORRELATION	2.3015	2.2164	-0.0851

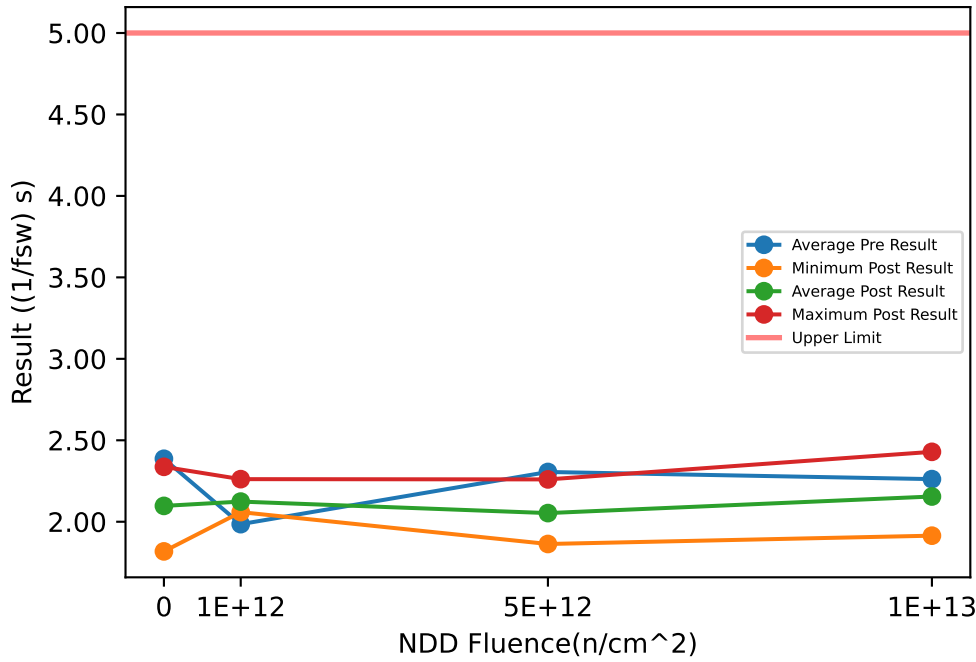
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	2.3015	2.3976	2.5561	0.12055	1.8278	2.0554	2.2164	0.17379	-0.5989	-0.3422	-0.0851	0.26488
1e+12	1.848	2.0158	2.185	0.13804	1.8993	2.1162	2.5442	0.29579	-0.1296	0.10045	0.3592	0.23362
5e+12	1.8849	2.1868	2.3423	0.20714	1.863	2.0047	2.2146	0.14904	-0.3621	-0.18212	0.3297	0.34144
1e+13	1.8935	2.2892	2.4522	0.26544	1.9115	2.1211	2.3243	0.20762	-0.5185	-0.16808	0.0823	0.25693

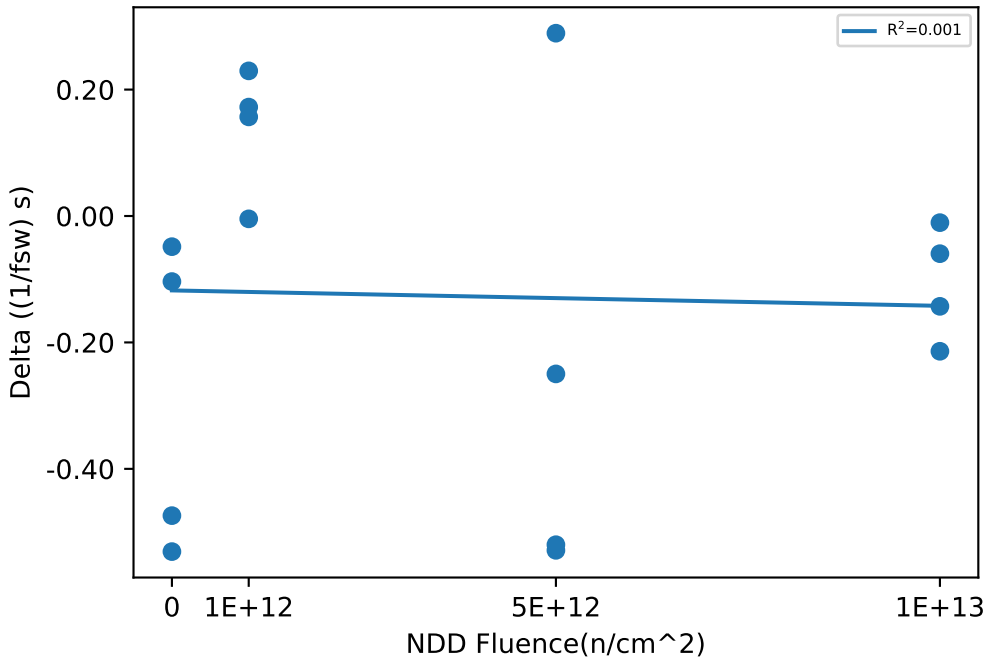
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.9382	2.095	0.1568
489	1e+12	NDD	2.266	2.2615	-0.0045
583	1e+12	NDD	1.8868	2.0591	0.1723
594	1e+12	NDD	1.8498	2.0794	0.2296
624	5e+12	NDD	2.4159	2.1661	-0.2498
839	5e+12	NDD	1.9707	2.2599	0.2892
919	5e+12	NDD	2.3835	1.8635	-0.52
938	5e+12	NDD	2.452	1.9231	-0.5289
988	1e+13	NDD	2.4396	2.4291	-0.0105
1176	1e+13	NDD	2.2124	1.9984	-0.214
1197	1e+13	NDD	1.9741	1.9145	-0.0596
1246	0	CORRELATION	2.4176	1.9436	-0.474
1277	1e+13	NDD	2.4205	2.2776	-0.1429
1357	0	CORRELATION	2.3941	2.2904	-0.1037
1410	0	CORRELATION	2.3489	1.818	-0.5309
1437	0	CORRELATION	2.3856	2.3371	-0.0485

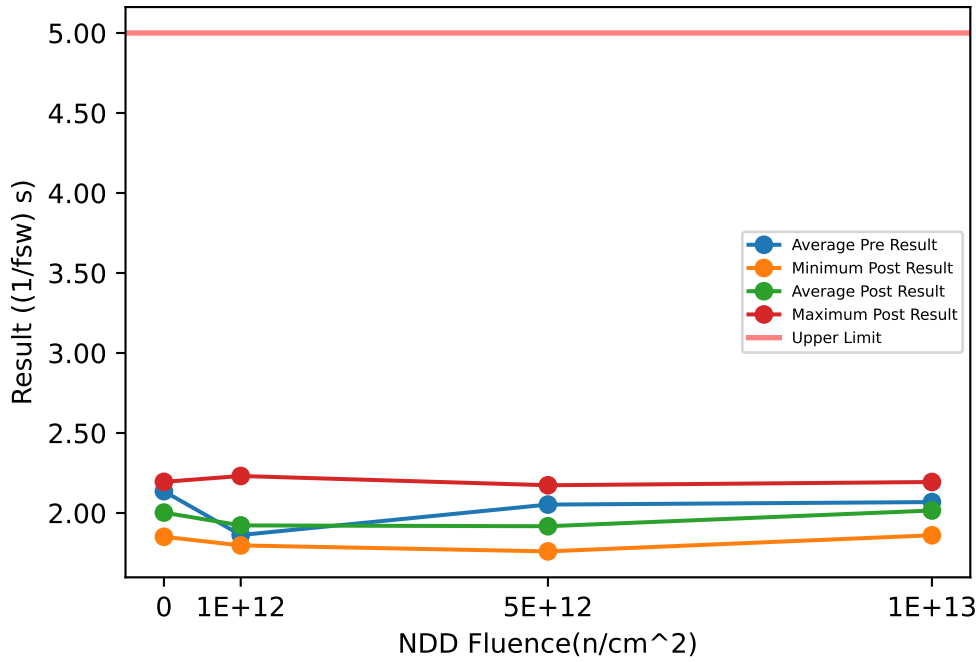
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	2.3489	2.3866	2.4176	0.028516	1.818	2.0973	2.3371	0.25588	-0.5309	-0.28928	-0.0485	0.24827
1e+12	1.8498	1.9852	2.266	0.19068	2.0591	2.1238	2.2615	0.093002	-0.0045	0.13855	0.2296	0.10038
5e+12	1.9707	2.3055	2.452	0.22496	1.8635	2.0532	2.2599	0.19007	-0.5289	-0.25238	0.2892	0.38358
1e+13	1.9741	2.2616	2.4396	0.21757	1.9145	2.1549	2.4291	0.23981	-0.214	-0.10675	-0.0105	0.089994

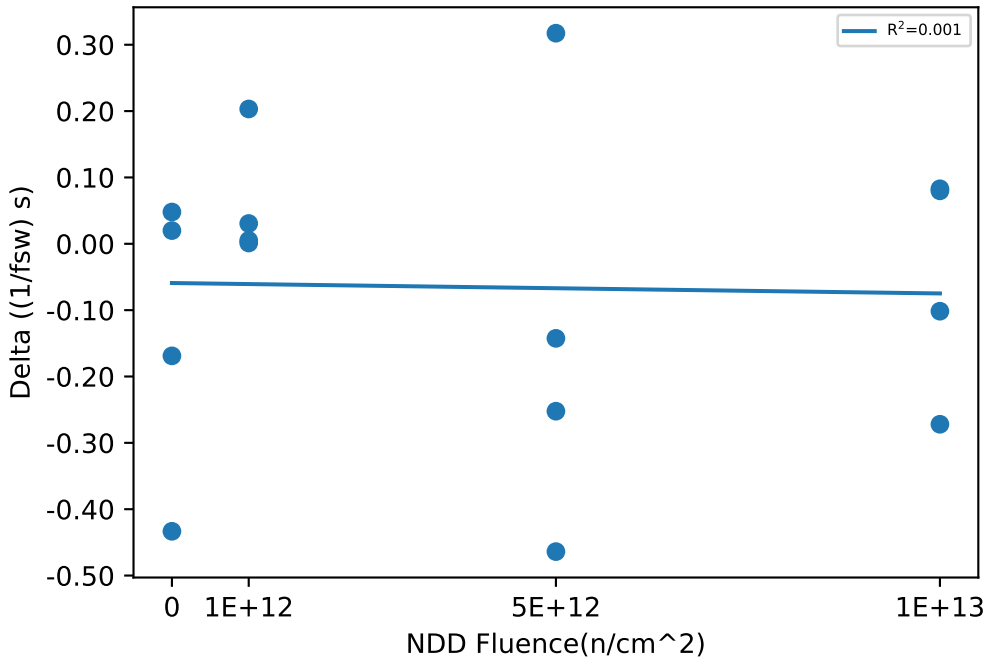
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.8519	1.857	0.0051
489	1e+12	NDD	2.0282	2.2314	0.2032
583	1e+12	NDD	1.7963	1.7975	0.0012
594	1e+12	NDD	1.7735	1.8041	0.0306
624	5e+12	NDD	2.3247	1.8608	-0.4639
839	5e+12	NDD	1.8561	2.1735	0.3174
919	5e+12	NDD	1.9026	1.7601	-0.1425
938	5e+12	NDD	2.1272	1.8749	-0.2523
988	1e+13	NDD	2.2228	2.1212	-0.1016
1176	1e+13	NDD	2.1586	1.8866	-0.272
1197	1e+13	NDD	1.778	1.8609	0.0829
1246	0	CORRELATION	2.2848	1.8515	-0.4333
1277	1e+13	NDD	2.114	2.1938	0.0798
1357	0	CORRELATION	2.1474	1.9785	-0.1689
1410	0	CORRELATION	1.9381	1.986	0.0479
1437	0	CORRELATION	2.1749	2.1948	0.0199

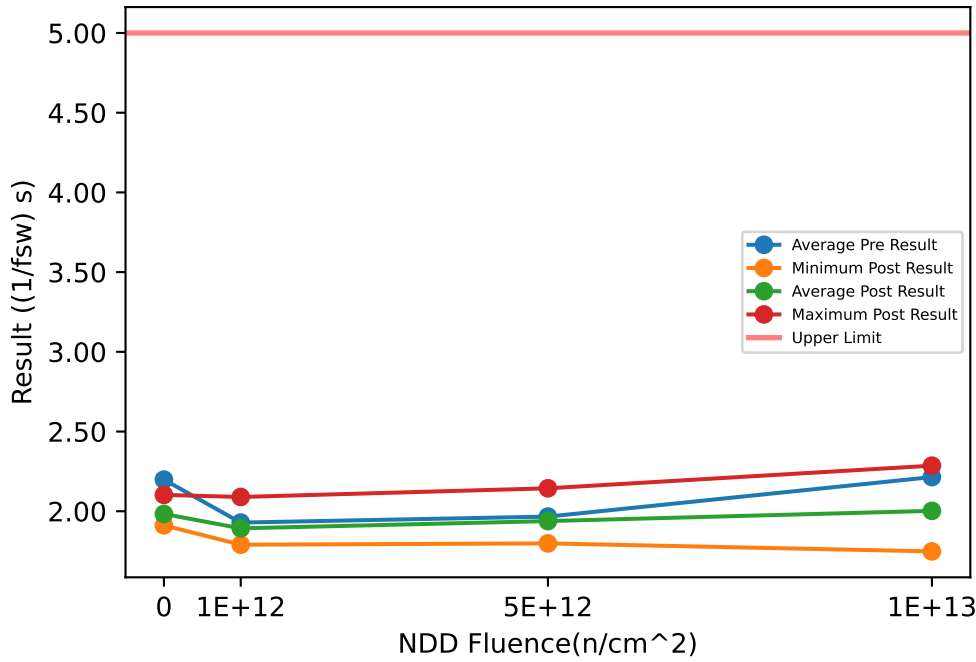
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	1.9381	2.1363	2.2848	0.14485	1.8515	2.0027	2.1948	0.14216	-0.4333	-0.1336	0.0479	0.22179
1e+12	1.7735	1.8625	2.0282	0.11529	1.7975	1.9225	2.2314	0.20765	0.0012	0.060025	0.2032	0.096336
5e+12	1.8561	2.0526	2.3247	0.21658	1.7601	1.9173	2.1735	0.17827	-0.4639	-0.13533	0.3174	0.32998
1e+13	1.778	2.0683	2.2228	0.19865	1.8609	2.0156	2.1938	0.16681	-0.272	-0.052725	0.0829	0.16973

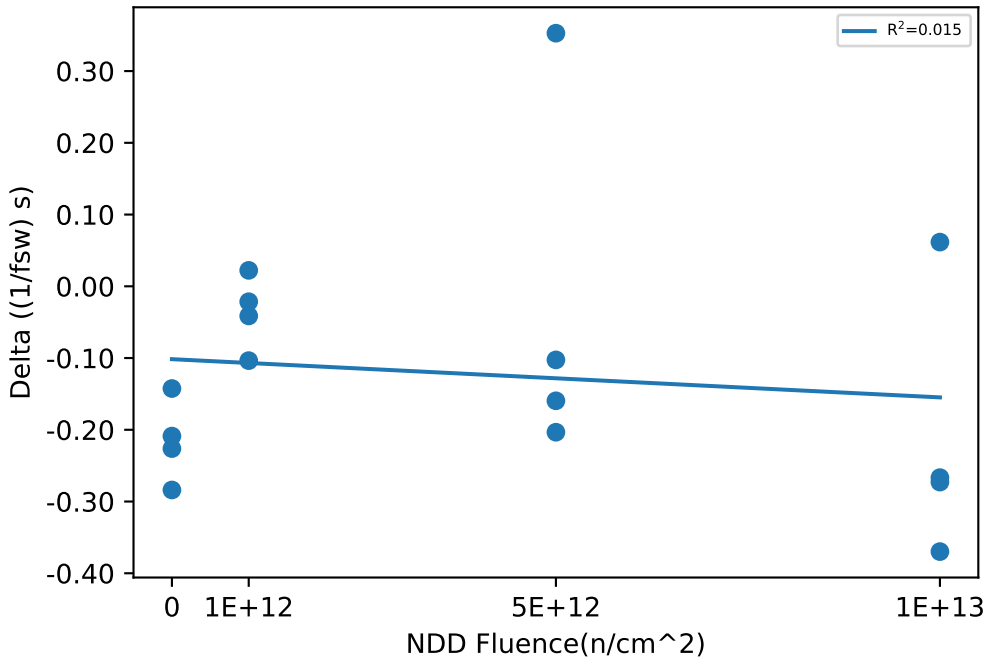
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.8938	1.7902	-0.1036
489	1e+12	NDD	2.1309	2.0896	-0.0413
583	1e+12	NDD	1.8539	1.8324	-0.0215
594	1e+12	NDD	1.8373	1.8595	0.0222
624	5e+12	NDD	2.1309	1.9275	-0.2034
839	5e+12	NDD	1.7912	2.144	0.3528
919	5e+12	NDD	1.958	1.7984	-0.1596
938	5e+12	NDD	1.9859	1.8833	-0.1026
988	1e+13	NDD	2.2243	2.2859	0.0616
1176	1e+13	NDD	2.253	1.8832	-0.3698
1197	1e+13	NDD	2.0211	1.7482	-0.2729
1246	0	CORRELATION	2.1205	1.9117	-0.2088
1277	1e+13	NDD	2.3593	2.0926	-0.2667
1357	0	CORRELATION	2.2779	1.994	-0.2839
1410	0	CORRELATION	2.1503	1.9241	-0.2262
1437	0	CORRELATION	2.2452	2.1027	-0.1425

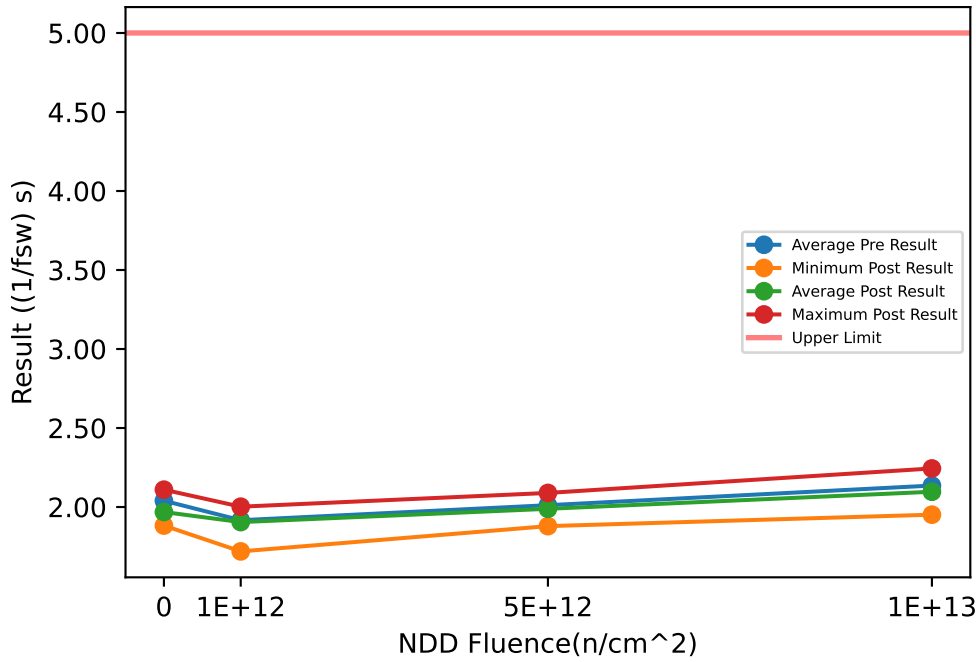
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	2.1205	2.1985	2.2779	0.075039	1.9117	1.9831	2.1027	0.087563	-0.2839	-0.21535	-0.1425	0.058215
1e+12	1.8373	1.929	2.1309	0.13669	1.7902	1.8929	2.0896	0.13418	-0.1036	-0.03605	0.0222	0.052266
5e+12	1.7912	1.9665	2.1309	0.13929	1.7984	1.9383	2.144	0.14723	-0.2034	-0.0282	0.3528	0.25733
1e+13	2.0211	2.2144	2.3593	0.14136	1.7482	2.0025	2.2859	0.23617	-0.3698	-0.21195	0.0616	0.18838

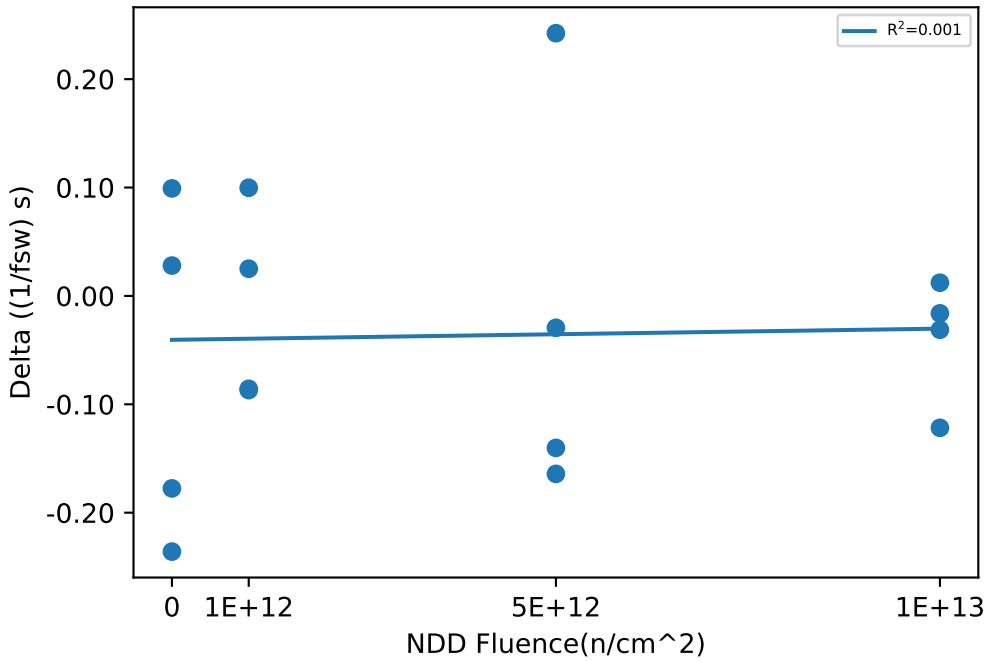
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.8181	1.9179	0.0998
489	1e+12	NDD	1.9769	2.002	0.0251
583	1e+12	NDD	2.0661	1.9792	-0.0869
594	1e+12	NDD	1.8048	1.7191	-0.0857
624	5e+12	NDD	2.1185	2.0891	-0.0294
839	5e+12	NDD	1.8277	2.0701	0.2424
919	5e+12	NDD	2.0192	1.879	-0.1402
938	5e+12	NDD	2.0805	1.9163	-0.1642
988	1e+13	NDD	2.2602	2.2441	-0.0161
1176	1e+13	NDD	2.1595	2.0378	-0.1217
1197	1e+13	NDD	1.9827	1.9515	-0.0312
1246	0	CORRELATION	2.1517	1.9158	-0.2359
1277	1e+13	NDD	2.1406	2.1528	0.0122
1357	0	CORRELATION	2.0106	2.1098	0.0992
1410	0	CORRELATION	2.0602	1.8826	-0.1776
1437	0	CORRELATION	1.9368	1.9648	0.028

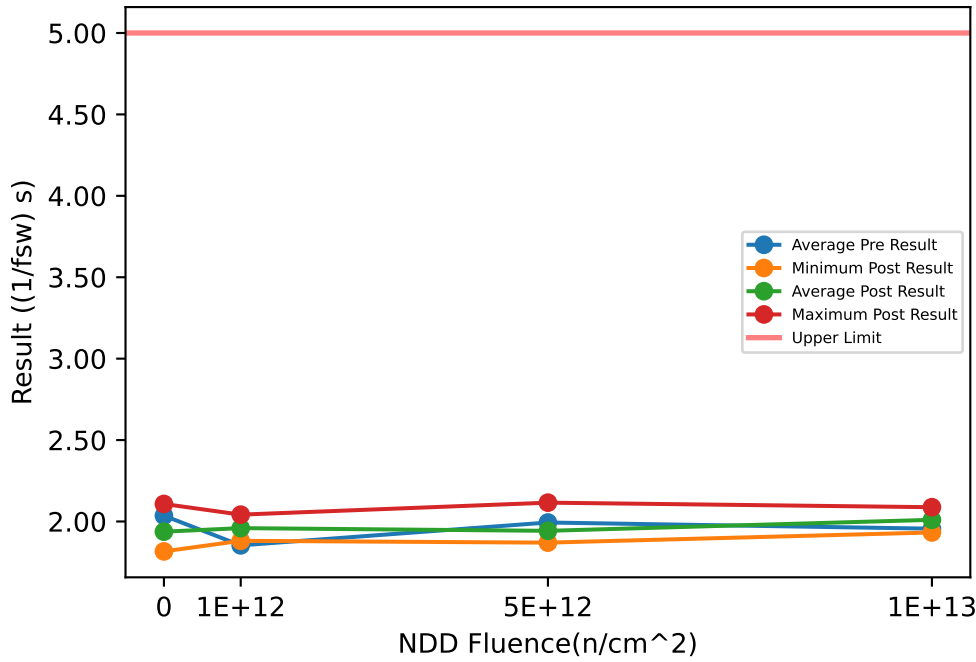
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	1.9368	2.0398	2.1517	0.090184	1.8826	1.9683	2.1098	0.10023	-0.2359	-0.071575	0.0992	0.16054
1e+12	1.8048	1.9165	2.0661	0.12674	1.7191	1.9045	2.002	0.12863	-0.0869	-0.011925	0.0998	0.091136
5e+12	1.8277	2.0115	2.1185	0.12917	1.879	1.9886	2.0891	0.10643	-0.1642	-0.02285	0.2424	0.18633
1e+13	1.9827	2.1357	2.2602	0.11475	1.9515	2.0965	2.2441	0.12836	-0.1217	-0.0392	0.0122	0.057867

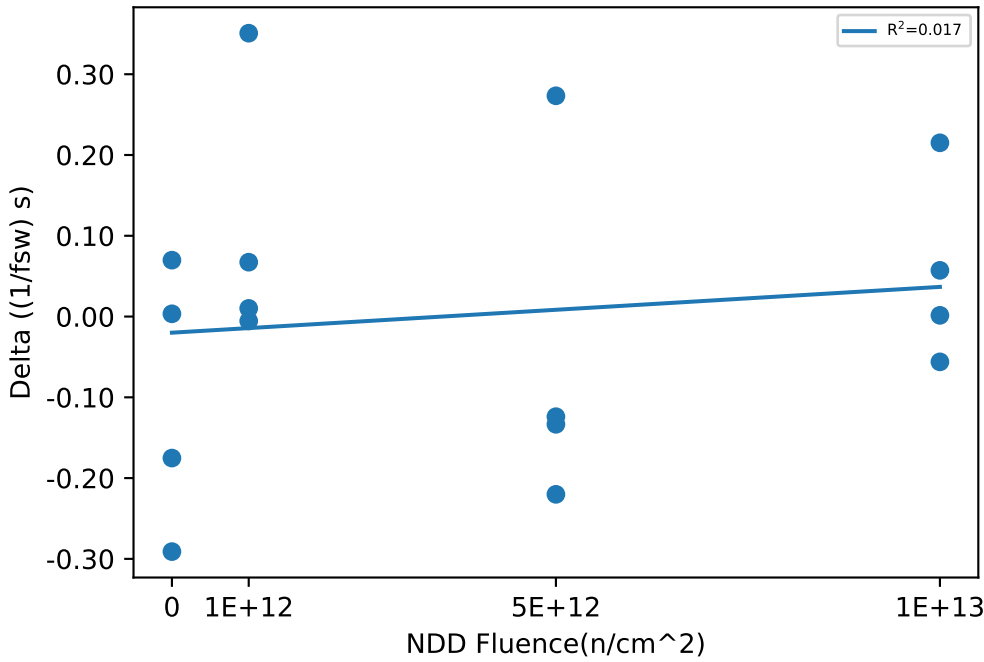
NDD vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.8738	1.8839	0.0101
489	1e+12	NDD	2.0349	2.0294	-0.0055
583	1e+12	NDD	1.6912	2.042	0.3508
594	1e+12	NDD	1.814	1.8813	0.0673
624	5e+12	NDD	2.0406	1.9072	-0.1334
839	5e+12	NDD	1.8423	2.1156	0.2733
919	5e+12	NDD	1.9941	1.8701	-0.124
938	5e+12	NDD	2.0977	1.8776	-0.2201
988	1e+13	NDD	2.0305	2.0877	0.0572
1176	1e+13	NDD	2.0193	1.9632	-0.0561
1197	1e+13	NDD	1.7175	1.9326	0.2151
1246	0	CORRELATION	2.1073	1.8163	-0.291
1277	1e+13	NDD	2.0559	2.0574	0.0015
1357	0	CORRELATION	1.9899	1.9933	0.0034
1410	0	CORRELATION	2.0079	1.8327	-0.1752
1437	0	CORRELATION	2.0378	2.1076	0.0698

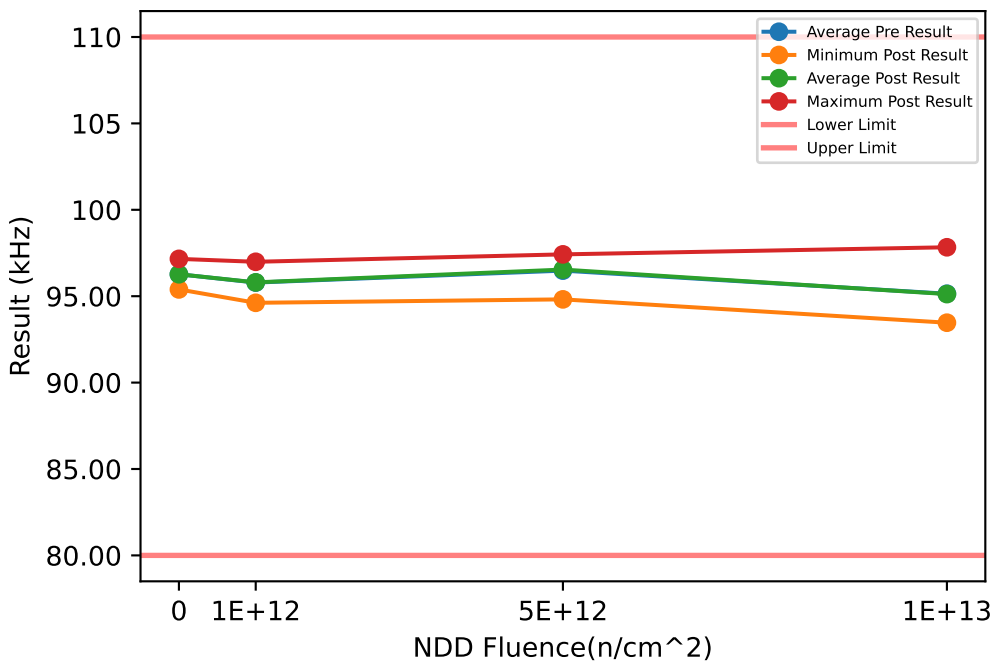
NDD vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) 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	1.9899	2.0357	2.1073	0.051644	1.8163	1.9375	2.1076	0.13871	-0.291	-0.09825	0.0698	0.16497
1e+12	1.6912	1.8535	2.0349	0.14285	1.8813	1.9591	2.042	0.088548	-0.0055	0.10567	0.3508	0.16639
5e+12	1.8423	1.9937	2.0977	0.10945	1.8701	1.9426	2.1156	0.11642	-0.2201	-0.05105	0.2733	0.22052
1e+13	1.7175	1.9558	2.0559	0.1596	1.9326	2.0102	2.0877	0.074083	-0.0561	0.054425	0.2151	0.11668

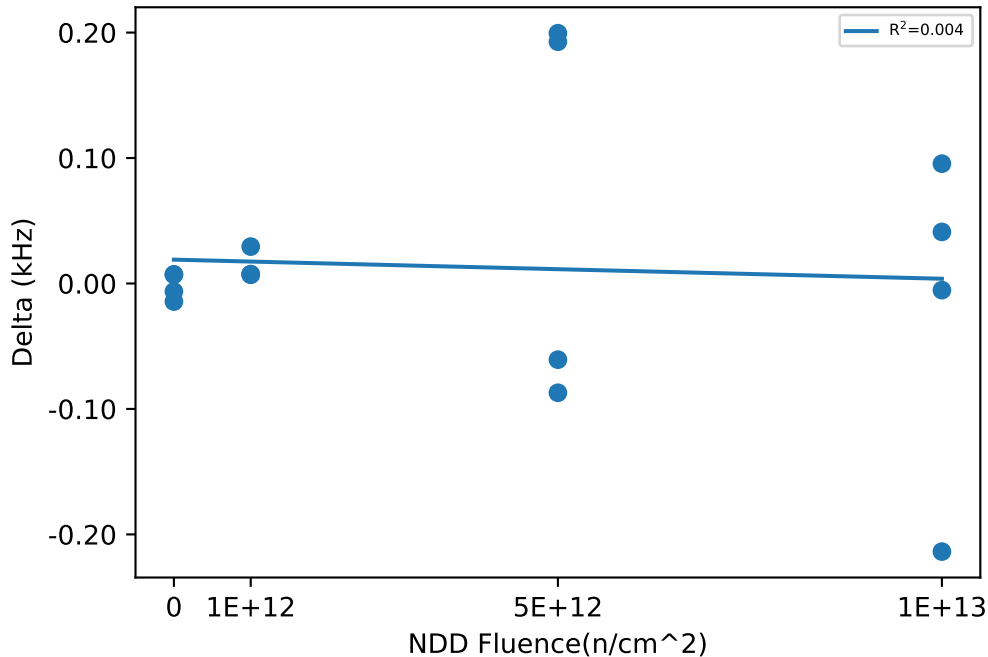
NDD vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	96.486	96.493	0.007
489	1e+12	NDD	96.984	96.991	0.0072
583	1e+12	NDD	94.588	94.618	0.0294
594	1e+12	NDD	95.094	95.102	0.0075
624	5e+12	NDD	94.617	94.817	0.1995
839	5e+12	NDD	97.508	97.421	-0.0871
919	5e+12	NDD	96.762	96.954	0.1927
938	5e+12	NDD	97.033	96.972	-0.0607
988	1e+13	NDD	94.193	94.188	-0.0053
1176	1e+13	NDD	94.908	95.004	0.0955
1197	1e+13	NDD	98.045	97.831	-0.2137
1246	0	CORRELATION	95.434	95.441	0.0073
1277	1e+13	NDD	93.425	93.466	0.0411
1357	0	CORRELATION	97.153	97.16	0.007
1410	0	CORRELATION	95.407	95.392	-0.0144
1437	0	CORRELATION	97.087	97.081	-0.0064

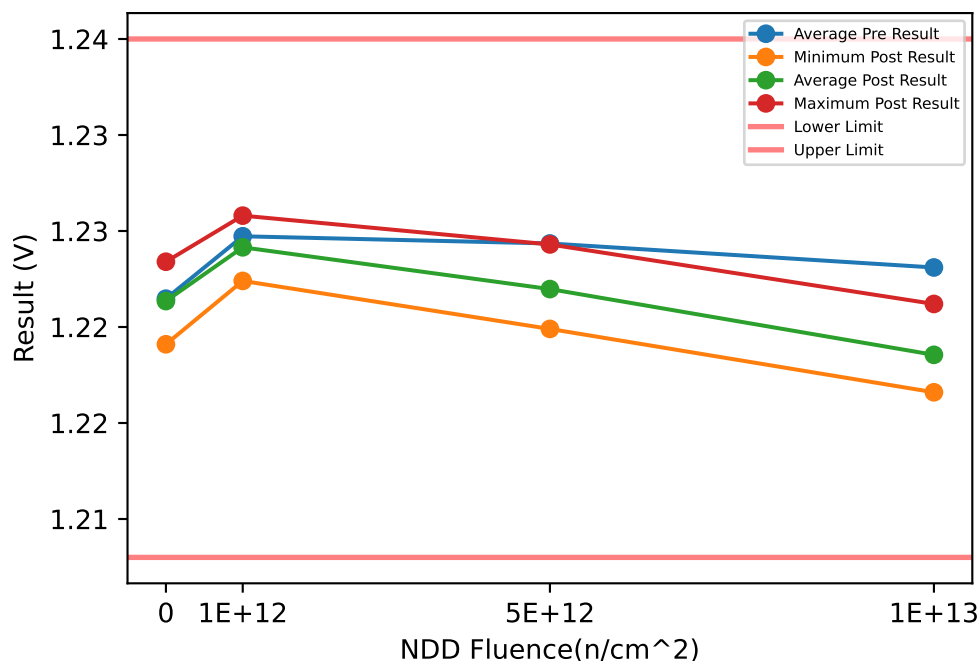
NDD vs Post - Pre Exposure Delta



Test Statistics (kHz)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	95.407	96.27	97.153	0.9819	95.392	96.269	97.16	0.98442	-0.0144	-0.001625	0.0073	0.010647
1e+12	94.588	95.788	96.984	1.1312	94.618	95.801	96.991	1.1233	0.007	0.012775	0.0294	0.011085
5e+12	94.617	96.48	97.508	1.2795	94.817	96.541	97.421	1.1696	-0.0871	0.0611	0.1995	0.15628
1e+13	93.425	95.143	98.045	2.0272	93.466	95.122	97.831	1.912	-0.2137	-0.0206	0.0955	0.13516

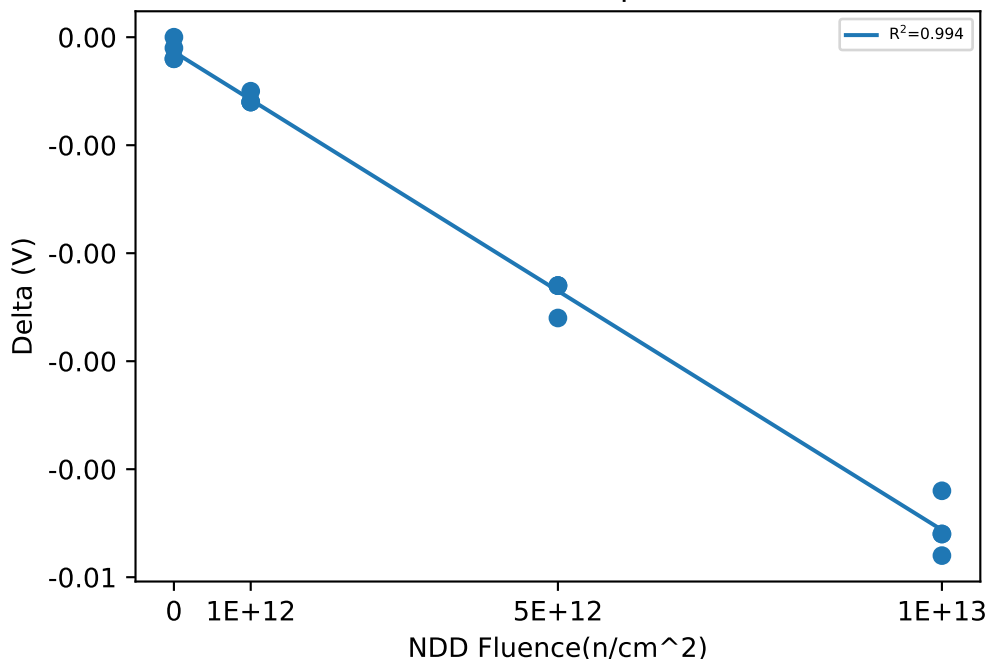
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2264	1.2258	-0.0006
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2222	1.2199	-0.0023
919	5e+12	NDD	1.2241	1.2215	-0.0026
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2223	1.2175	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2235	1.2189	-0.0046
1246	0	CORRELATION	1.2206	1.2205	-0.0001
1277	1e+13	NDD	1.2212	1.2166	-0.0046
1357	0	CORRELATION	1.2236	1.2234	-0.0002
1410	0	CORRELATION	1.2191	1.2191	0
1437	0	CORRELATION	1.2226	1.2224	-0.0002

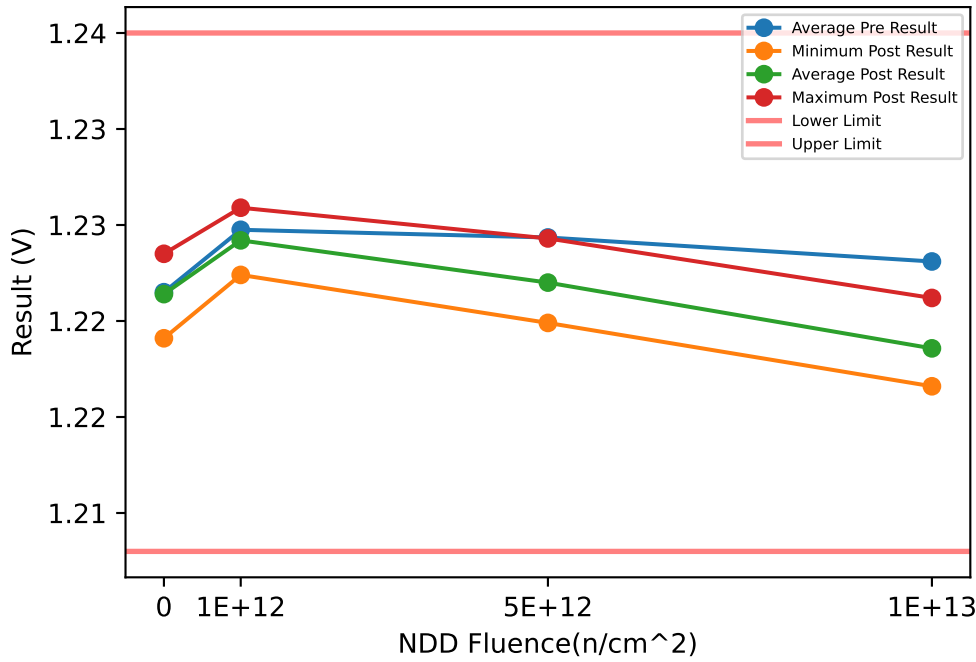
NDD vs Post - Pre Exposure Delta



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	1.2191	1.2215	1.2236	0.0020156	1.2191	1.2213	1.2234	0.0019227	-0.0002	-0.000125	0	9.5743e-05
1e+12	1.2229	1.2247	1.2264	0.0014523	1.2224	1.2241	1.2258	0.0014107	-0.0006	-0.000575	-0.0005	5e-05
5e+12	1.2222	1.2243	1.2266	0.0018046	1.2199	1.222	1.2243	0.0018246	-0.0026	-0.002375	-0.0023	0.00015
1e+13	1.2212	1.2231	1.2254	0.0017981	1.2166	1.2186	1.2212	0.0020042	-0.0048	-0.00455	-0.0042	0.00025166

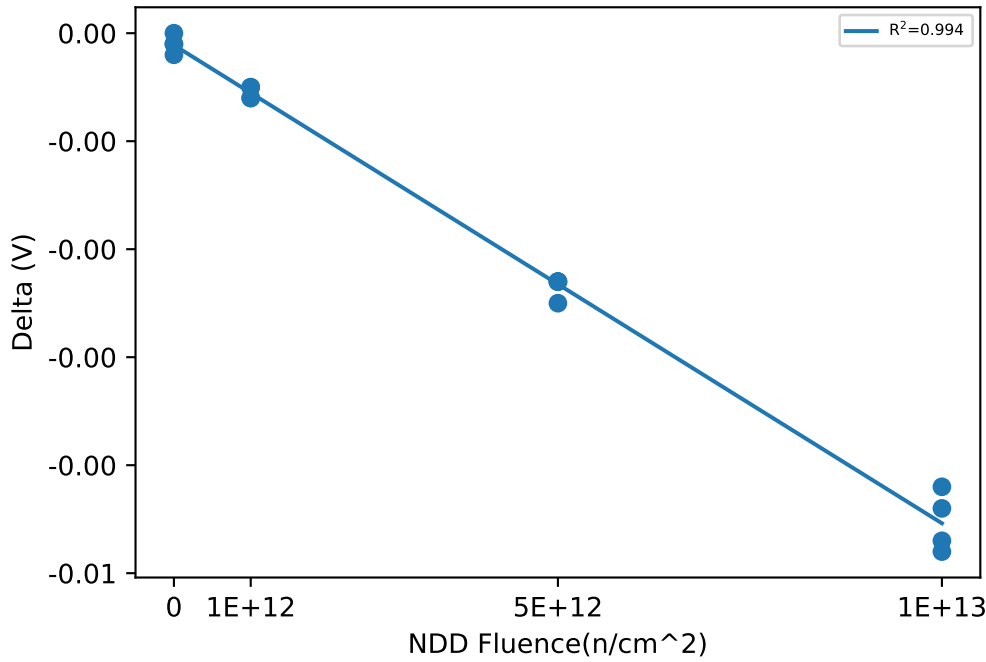
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2246	1.224	-0.0006
594	1e+12	NDD	1.2264	1.2259	-0.0005
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2222	1.2199	-0.0023
919	5e+12	NDD	1.2241	1.2216	-0.0025
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2223	1.2175	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.219	-0.0044
1246	0	CORRELATION	1.2206	1.2205	-0.0001
1277	1e+13	NDD	1.2213	1.2166	-0.0047
1357	0	CORRELATION	1.2237	1.2235	-0.0002
1410	0	CORRELATION	1.2191	1.2191	0
1437	0	CORRELATION	1.2226	1.2225	-0.0001

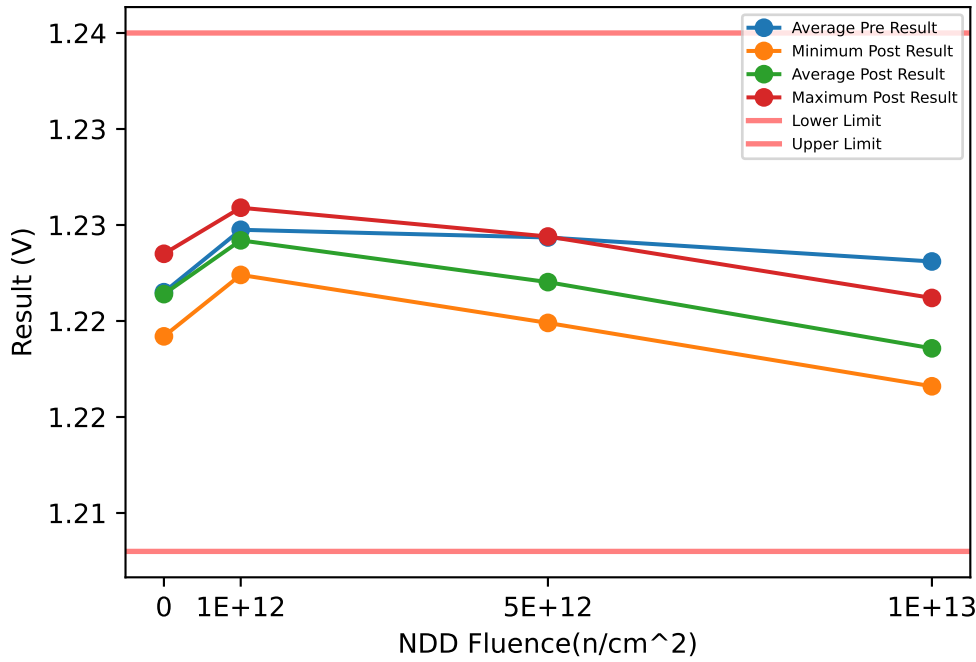
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2191	1.2215	1.2237	0.002051	1.2191	1.2214	1.2235	0.0019765	-0.0002	-0.0001	0	8.165e-05
1e+12	1.2229	1.2248	1.2264	0.001448	1.2224	1.2242	1.2259	0.0014445	-0.0006	-0.00055	-0.0005	5.7735e-05
5e+12	1.2222	1.2243	1.2266	0.0018046	1.2199	1.222	1.2243	0.0018166	-0.0025	-0.00235	-0.0023	0.0001
1e+13	1.2213	1.2231	1.2254	0.0017569	1.2166	1.2186	1.2212	0.0020106	-0.0048	-0.004525	-0.0042	0.00027538

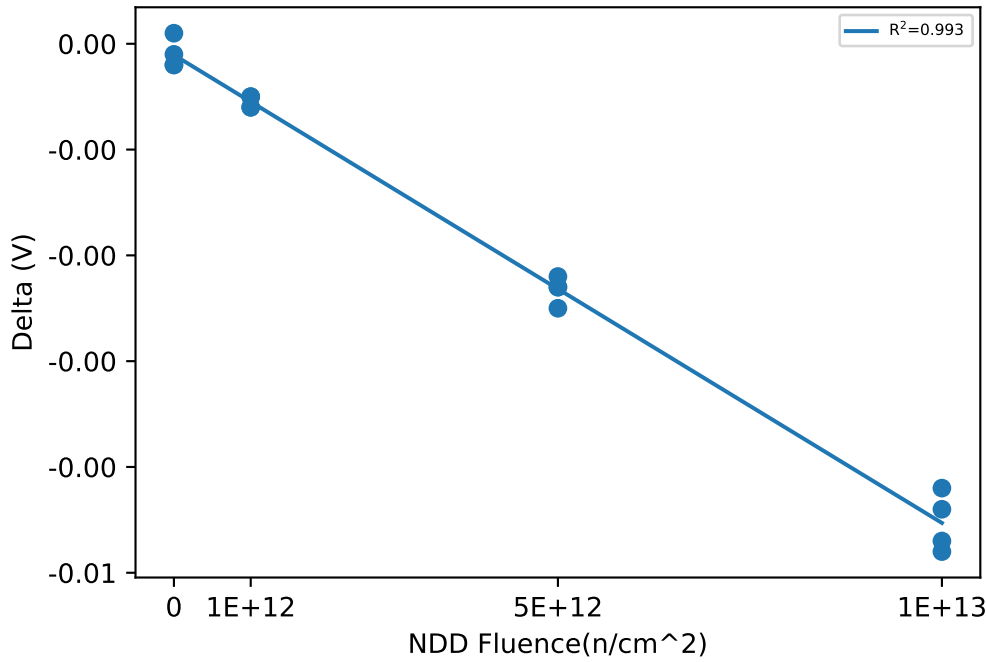
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2246	1.224	-0.0006
594	1e+12	NDD	1.2264	1.2259	-0.0005
624	5e+12	NDD	1.2266	1.2244	-0.0022
839	5e+12	NDD	1.2222	1.2199	-0.0023
919	5e+12	NDD	1.2241	1.2216	-0.0025
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2223	1.2175	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.219	-0.0044
1246	0	CORRELATION	1.2206	1.2205	-0.0001
1277	1e+13	NDD	1.2213	1.2166	-0.0047
1357	0	CORRELATION	1.2237	1.2235	-0.0002
1410	0	CORRELATION	1.2191	1.2192	0.0001
1437	0	CORRELATION	1.2226	1.2224	-0.0002

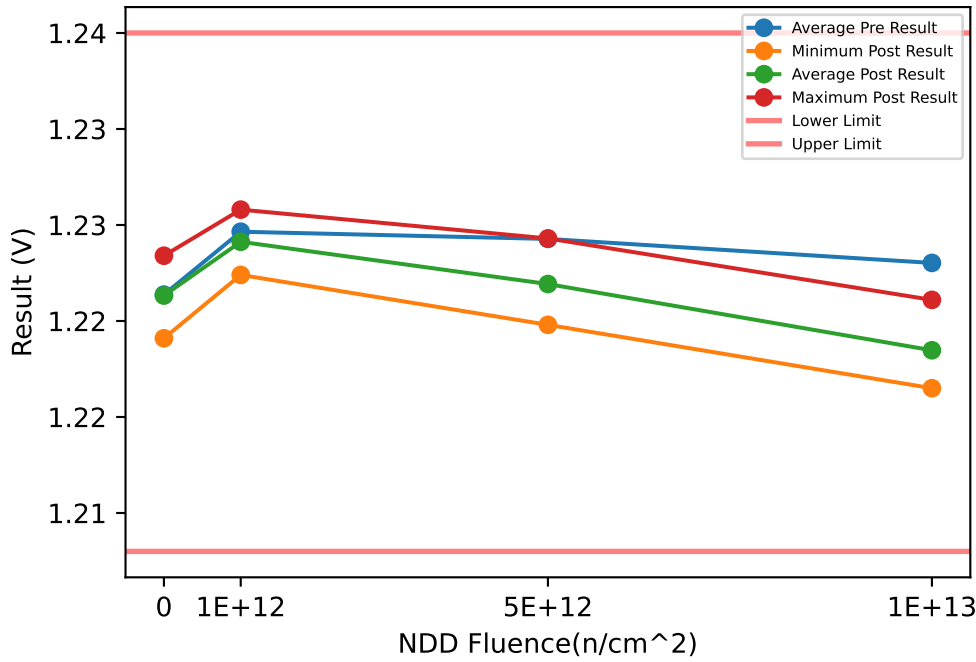
NDD vs Post - Pre Exposure Delta



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	1.2191	1.2215	1.2237	0.002051	1.2192	1.2214	1.2235	0.0019201	-0.0002	-0.0001	0.0001	0.00014142
1e+12	1.2229	1.2248	1.2264	0.001448	1.2224	1.2242	1.2259	0.0014445	-0.0006	-0.00055	-0.0005	5.7735e-05
5e+12	1.2222	1.2243	1.2266	0.0018046	1.2199	1.222	1.2244	0.001859	-0.0025	-0.002325	-0.0022	0.00012583
1e+13	1.2213	1.2231	1.2254	0.0017569	1.2166	1.2186	1.2212	0.0020106	-0.0048	-0.004525	-0.0042	0.00027538

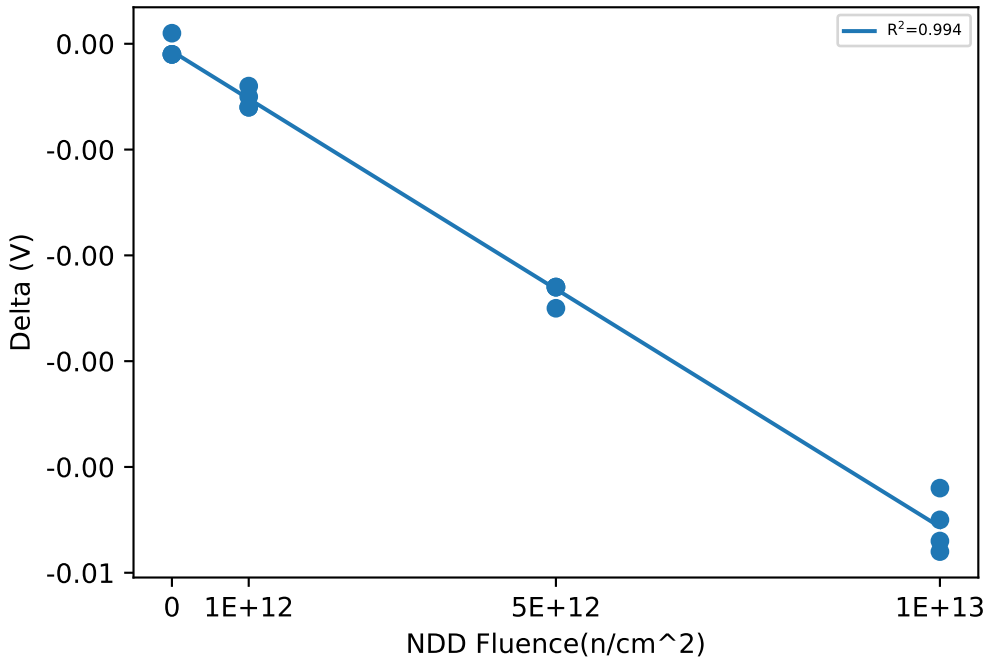
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2228	1.2224	-0.0004
489	1e+12	NDD	1.225	1.2244	-0.0006
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2263	1.2258	-0.0005
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2221	1.2198	-0.0023
919	5e+12	NDD	1.224	1.2215	-0.0025
938	5e+12	NDD	1.2244	1.2221	-0.0023
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2253	1.2211	-0.0042
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2204	-0.0001
1277	1e+13	NDD	1.2212	1.2165	-0.0047
1357	0	CORRELATION	1.2235	1.2234	-0.0001
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2225	1.2224	-0.0001

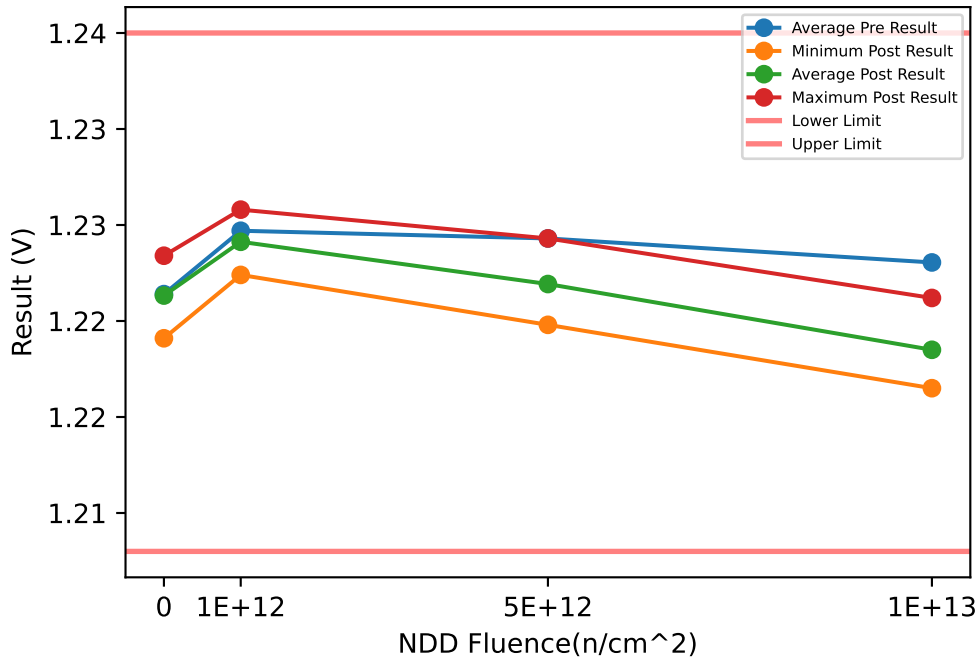
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.219	1.2214	1.2235	0.0020156	1.2191	1.2213	1.2234	0.001938	-0.0001	-5e-05	0.0001	0.0001
1e+12	1.2228	1.2247	1.2263	0.001448	1.2224	1.2241	1.2258	0.0014033	-0.0006	-0.000525	-0.0004	9.5743e-05
5e+12	1.2221	1.2243	1.2266	0.0018464	1.2198	1.2219	1.2243	0.001859	-0.0025	-0.00235	-0.0023	0.0001
1e+13	1.2212	1.223	1.2253	0.0017633	1.2165	1.2185	1.2211	0.0020106	-0.0048	-0.00455	-0.0042	0.00026458

NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.225	1.2244	-0.0006
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2264	1.2258	-0.0006
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2221	1.2198	-0.0023
919	5e+12	NDD	1.2241	1.2215	-0.0026
938	5e+12	NDD	1.2244	1.2221	-0.0023
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2205	0
1277	1e+13	NDD	1.2212	1.2165	-0.0047
1357	0	CORRELATION	1.2236	1.2234	-0.0002
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2225	1.2223	-0.0002

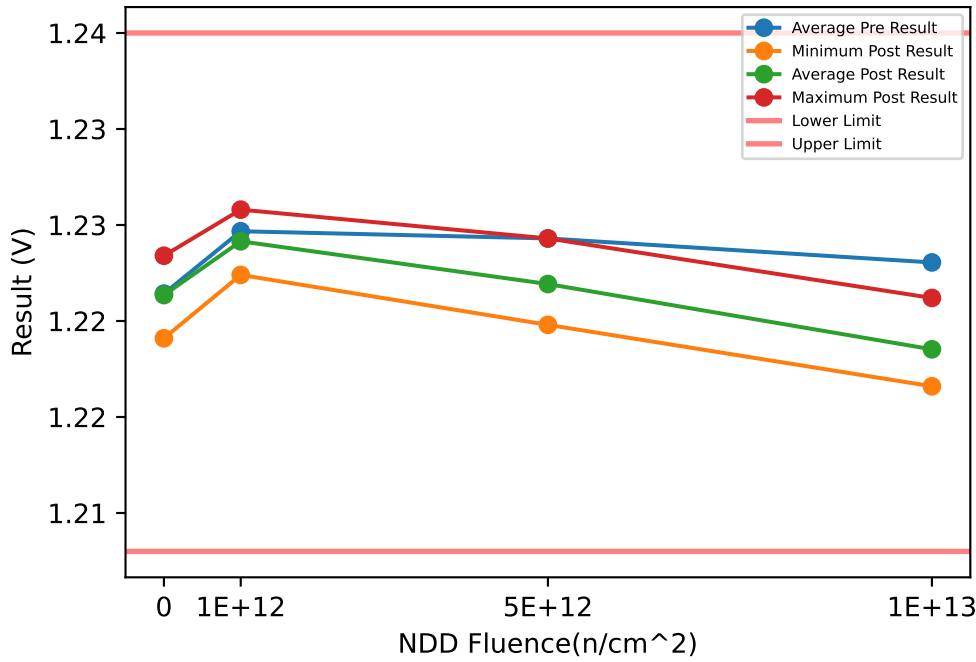
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2236	0.002051	1.2191	1.2213	1.2234	0.001905	-0.0002	-7.5e-05	0.0001	0.00015
1e+12	1.2229	1.2247	1.2264	0.0014445	1.2224	1.2241	1.2258	0.0014033	-0.0006	-0.000575	-0.0005	5e-05
5e+12	1.2221	1.2243	1.2266	0.0018421	1.2198	1.2219	1.2243	0.001859	-0.0026	-0.002375	-0.0023	0.00015
1e+13	1.2212	1.223	1.2254	0.0018065	1.2165	1.2185	1.2212	0.0020543	-0.0048	-0.00455	-0.0042	0.00026458

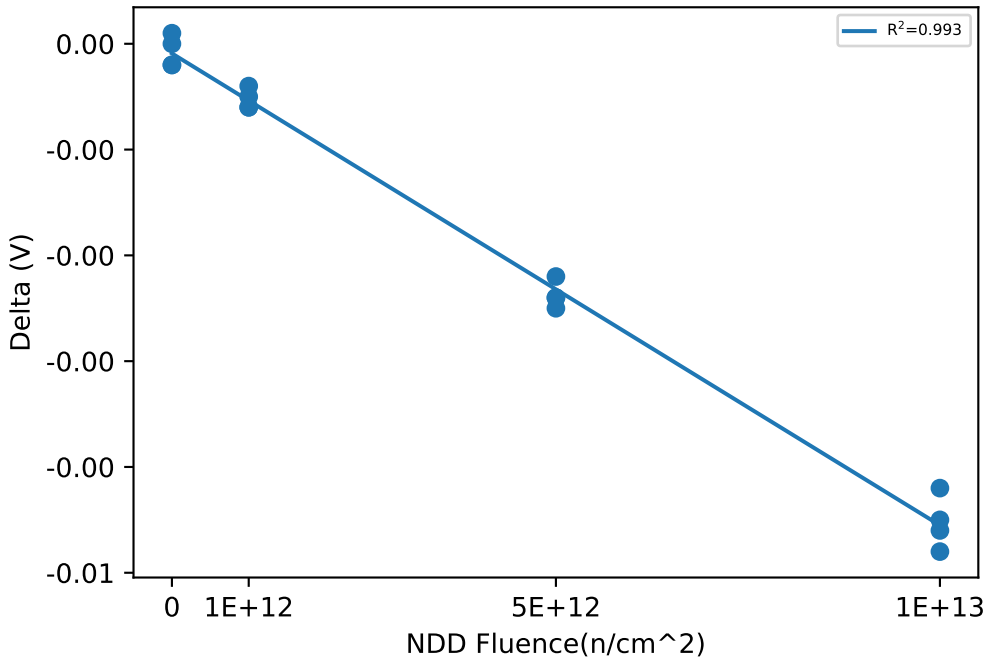
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2228	1.2224	-0.0004
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2263	1.2258	-0.0005
624	5e+12	NDD	1.2265	1.2243	-0.0022
839	5e+12	NDD	1.2222	1.2198	-0.0024
919	5e+12	NDD	1.224	1.2215	-0.0025
938	5e+12	NDD	1.2245	1.2221	-0.0024
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2205	0
1277	1e+13	NDD	1.2212	1.2166	-0.0046
1357	0	CORRELATION	1.2236	1.2234	-0.0002
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2226	1.2224	-0.0002

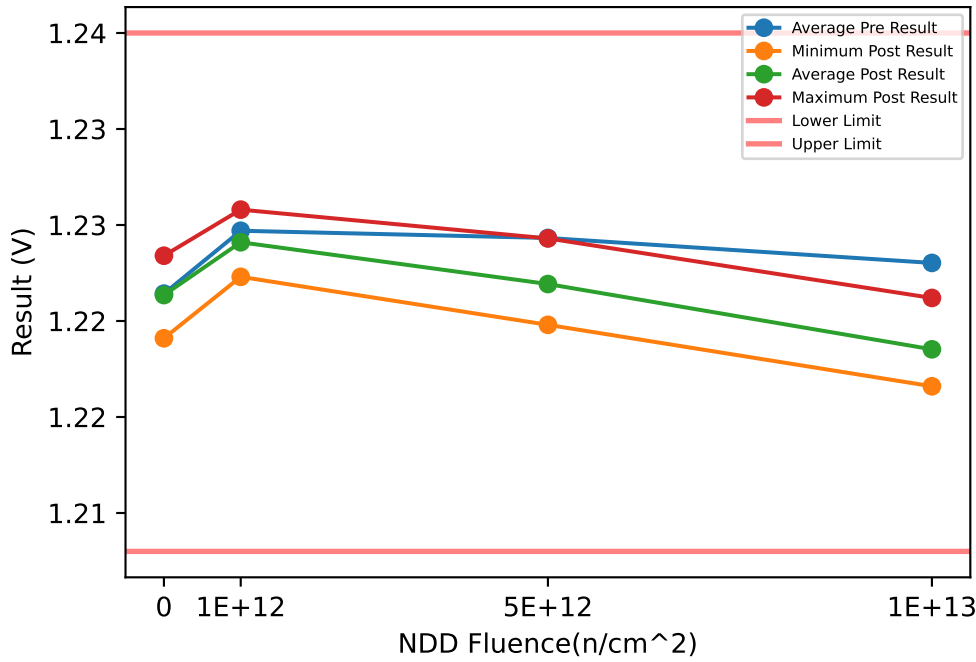
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2236	0.0020694	1.2191	1.2213	1.2234	0.0019227	-0.0002	-7.5e-05	0.0001	0.00015
1e+12	1.2228	1.2247	1.2263	0.0014569	1.2224	1.2241	1.2258	0.0014107	-0.0006	-0.000525	-0.0004	9.5743e-05
5e+12	1.2222	1.2243	1.2265	0.0017682	1.2198	1.2219	1.2243	0.001859	-0.0025	-0.002375	-0.0022	0.00012583
1e+13	1.2212	1.223	1.2254	0.0018065	1.2166	1.2185	1.2212	0.0020222	-0.0048	-0.004525	-0.0042	0.00025

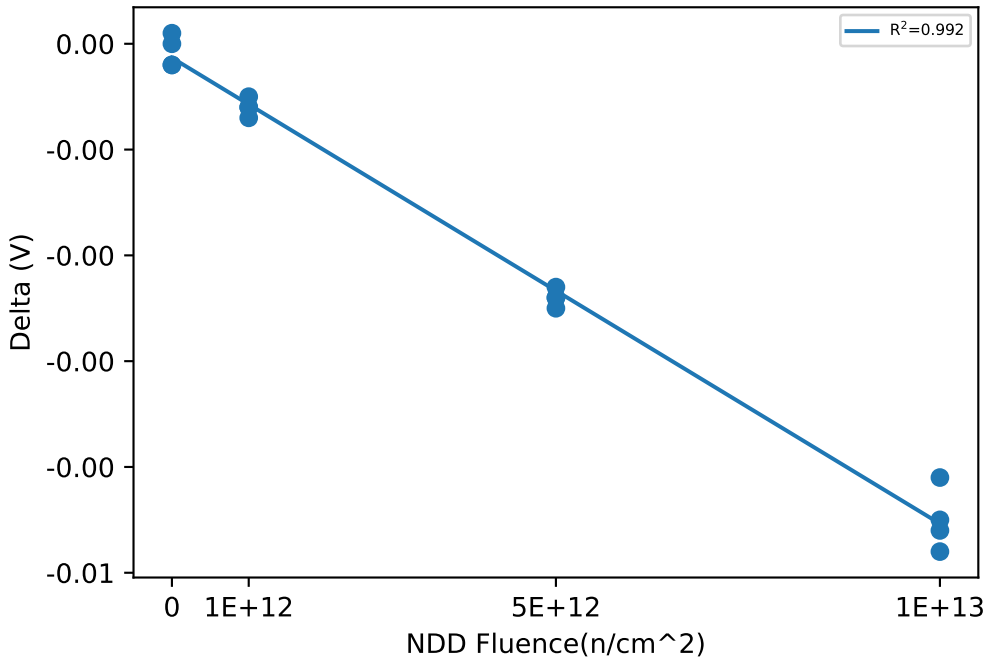
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2223	-0.0006
489	1e+12	NDD	1.2251	1.2244	-0.0007
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2263	1.2258	-0.0005
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2222	1.2198	-0.0024
919	5e+12	NDD	1.224	1.2215	-0.0025
938	5e+12	NDD	1.2245	1.2221	-0.0024
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2253	1.2212	-0.0041
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2205	0
1277	1e+13	NDD	1.2212	1.2166	-0.0046
1357	0	CORRELATION	1.2236	1.2234	-0.0002
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2226	1.2224	-0.0002

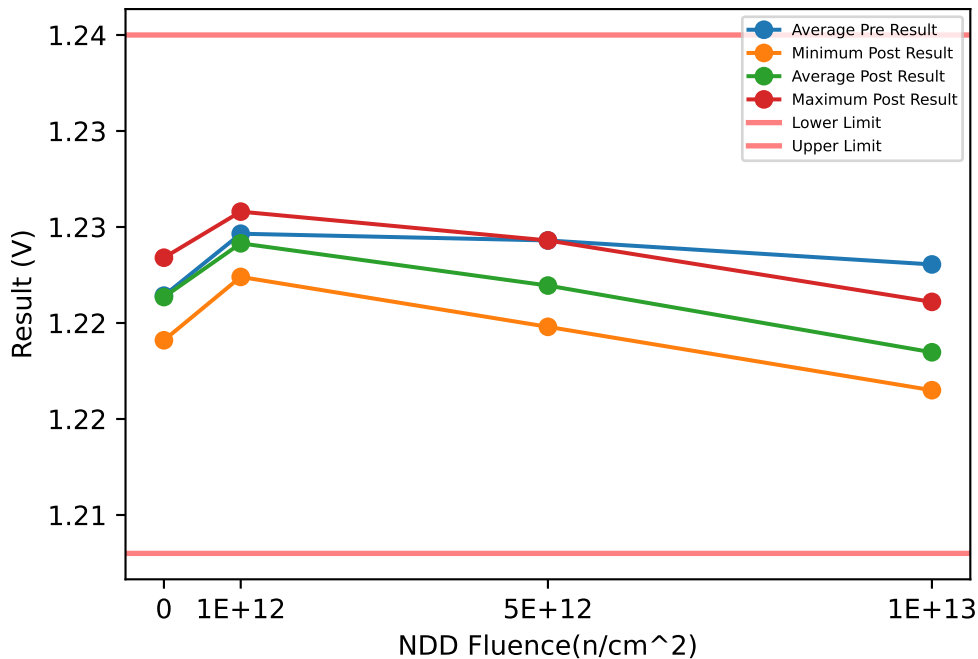
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2236	0.0020694	1.2191	1.2213	1.2234	0.0019227	-0.0002	-7.5e-05	0.0001	0.00015
1e+12	1.2229	1.2247	1.2263	0.0014142	1.2223	1.2241	1.2258	0.0014445	-0.0007	-0.0006	-0.0005	8.165e-05
5e+12	1.2222	1.2243	1.2266	0.0018099	1.2198	1.2219	1.2243	0.001859	-0.0025	-0.0024	-0.0023	8.165e-05
1e+13	1.2212	1.223	1.2253	0.0017633	1.2166	1.2185	1.2212	0.0020222	-0.0048	-0.0045	-0.0041	0.00029439

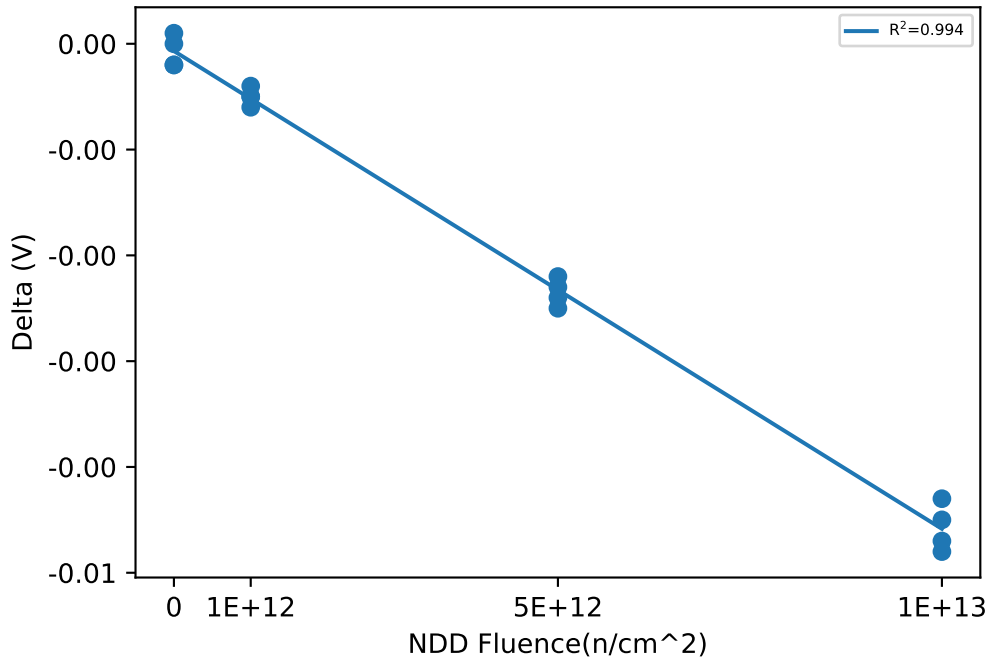
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2228	1.2224	-0.0004
489	1e+12	NDD	1.225	1.2245	-0.0005
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2263	1.2258	-0.0005
624	5e+12	NDD	1.2265	1.2243	-0.0022
839	5e+12	NDD	1.2222	1.2198	-0.0024
919	5e+12	NDD	1.224	1.2215	-0.0025
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2254	1.2211	-0.0043
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2205	0
1277	1e+13	NDD	1.2212	1.2165	-0.0047
1357	0	CORRELATION	1.2236	1.2234	-0.0002
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2226	1.2224	-0.0002

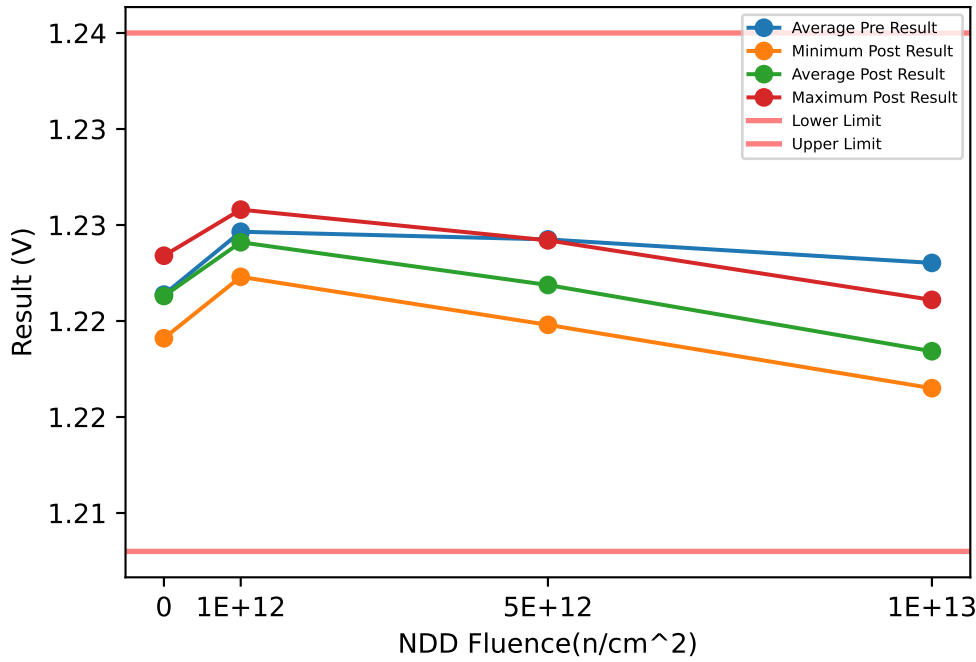
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2236	0.0020694	1.2191	1.2213	1.2234	0.0019227	-0.0002	-7.5e-05	0.0001	0.00015
1e+12	1.2228	1.2247	1.2263	0.001448	1.2224	1.2241	1.2258	0.0014107	-0.0006	-0.0005	-0.0004	8.165e-05
5e+12	1.2222	1.2243	1.2265	0.0017682	1.2198	1.222	1.2243	0.0018628	-0.0025	-0.00235	-0.0022	0.0001291
1e+13	1.2212	1.223	1.2254	0.0018065	1.2165	1.2185	1.2211	0.0020106	-0.0048	-0.004575	-0.0043	0.00022174

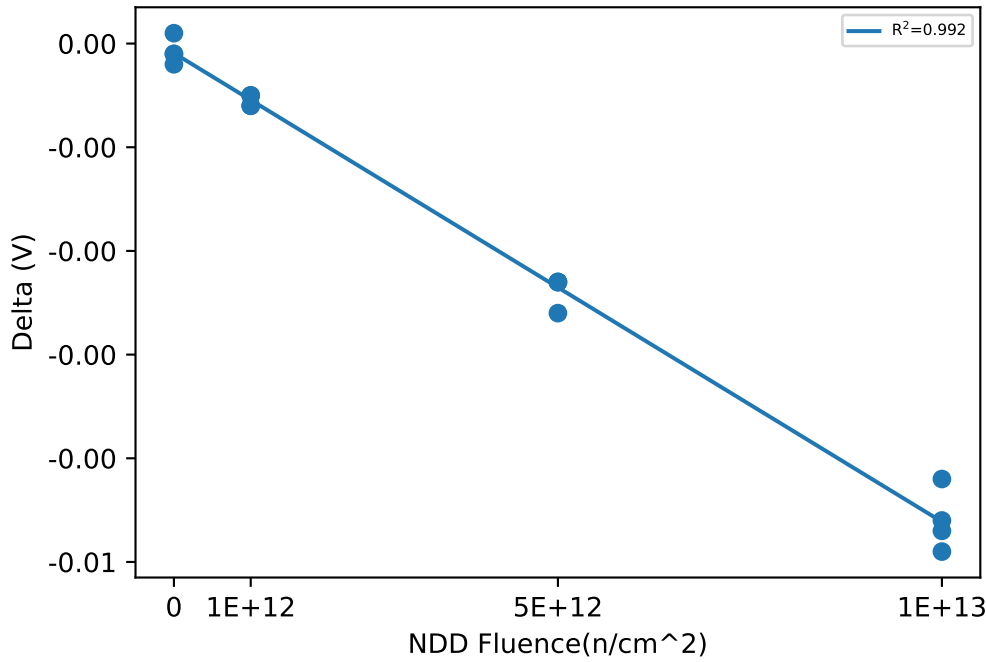
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2228	1.2223	-0.0005
489	1e+12	NDD	1.225	1.2244	-0.0006
583	1e+12	NDD	1.2245	1.2239	-0.0006
594	1e+12	NDD	1.2263	1.2258	-0.0005
624	5e+12	NDD	1.2265	1.2242	-0.0023
839	5e+12	NDD	1.2221	1.2198	-0.0023
919	5e+12	NDD	1.224	1.2214	-0.0026
938	5e+12	NDD	1.2244	1.2221	-0.0023
988	1e+13	NDD	1.2222	1.2173	-0.0049
1176	1e+13	NDD	1.2253	1.2211	-0.0042
1197	1e+13	NDD	1.2234	1.2188	-0.0046
1246	0	CORRELATION	1.2205	1.2204	-0.0001
1277	1e+13	NDD	1.2212	1.2165	-0.0047
1357	0	CORRELATION	1.2235	1.2234	-0.0001
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2225	1.2223	-0.0002

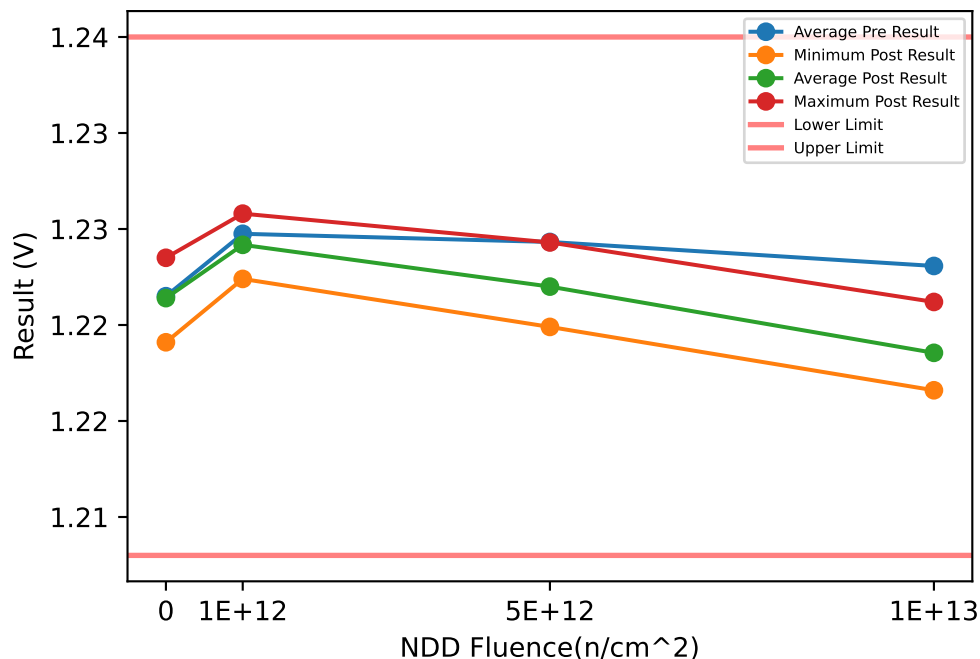
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2235	0.0020156	1.2191	1.2213	1.2234	0.0019201	-0.0002	-7.5e-05	0.0001	0.00012583
1e+12	1.2228	1.2247	1.2263	0.001448	1.2223	1.2241	1.2258	0.0014445	-0.0006	-0.00055	-0.0005	5.7735e-05
5e+12	1.2221	1.2243	1.2265	0.0018046	1.2198	1.2219	1.2242	0.0018246	-0.0026	-0.002375	-0.0023	0.00015
1e+13	1.2212	1.223	1.2253	0.0017633	1.2165	1.2184	1.2211	0.0020222	-0.0049	-0.0046	-0.0042	0.00029439

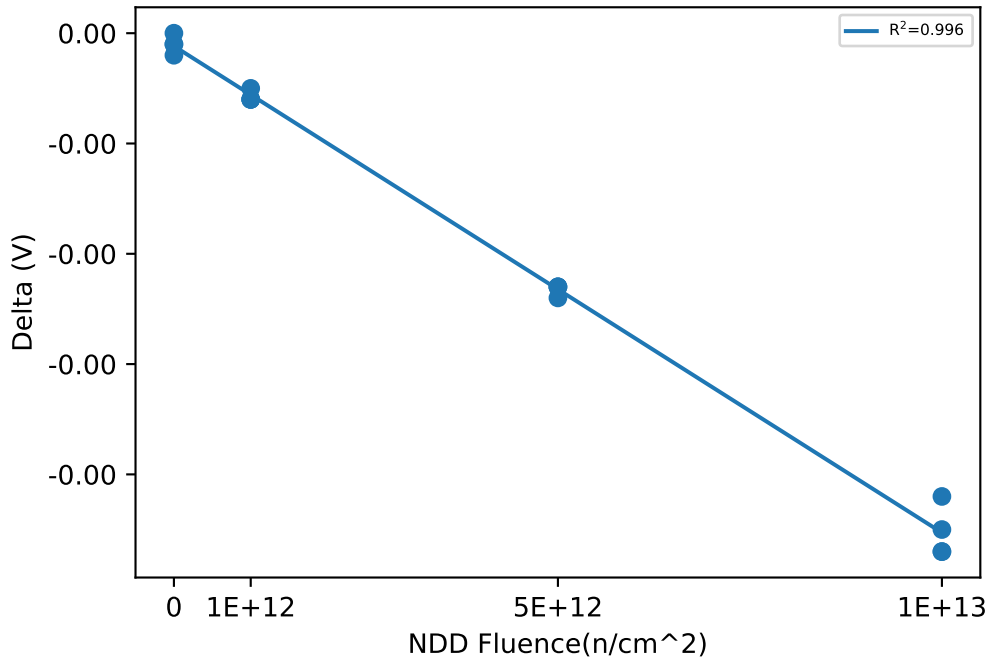
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2246	1.224	-0.0006
594	1e+12	NDD	1.2264	1.2258	-0.0006
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2222	1.2199	-0.0023
919	5e+12	NDD	1.224	1.2216	-0.0024
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2222	1.2175	-0.0047
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2206	1.2205	-0.0001
1277	1e+13	NDD	1.2213	1.2166	-0.0047
1357	0	CORRELATION	1.2237	1.2235	-0.0002
1410	0	CORRELATION	1.2191	1.2191	0
1437	0	CORRELATION	1.2226	1.2225	-0.0001

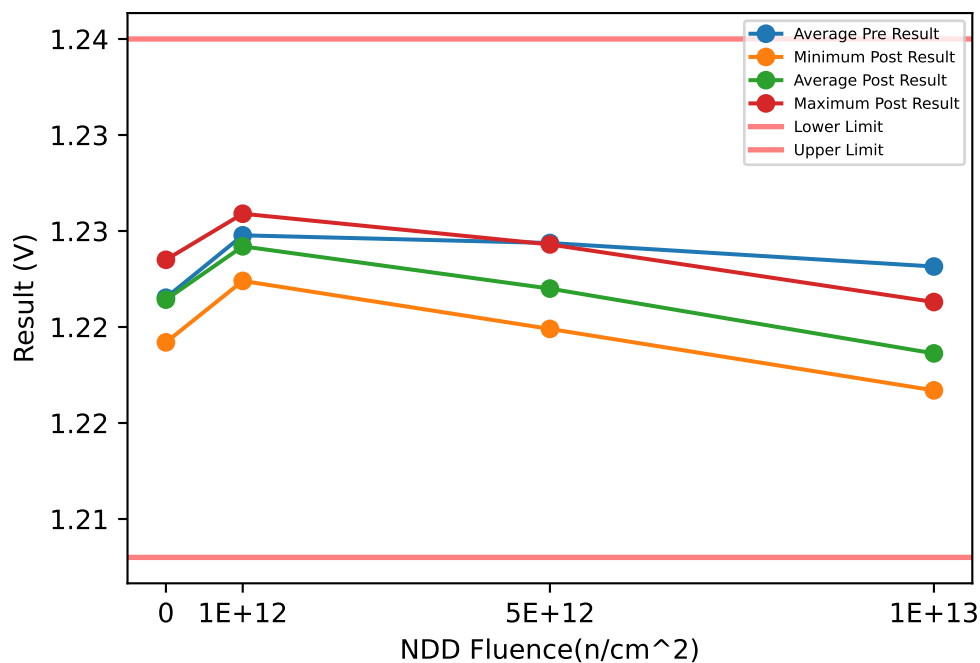
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2191	1.2215	1.2237	0.002051	1.2191	1.2214	1.2235	0.0019765	-0.0002	-0.0001	0	8.165e-05
1e+12	1.2229	1.2248	1.2264	0.001448	1.2224	1.2242	1.2258	0.0014056	-0.0006	-0.000575	-0.0005	5e-05
5e+12	1.2222	1.2243	1.2266	0.0018099	1.2199	1.222	1.2243	0.0018166	-0.0024	-0.002325	-0.0023	5e-05
1e+13	1.2213	1.2231	1.2254	0.0017727	1.2166	1.2186	1.2212	0.0020042	-0.0047	-0.004525	-0.0042	0.00023629

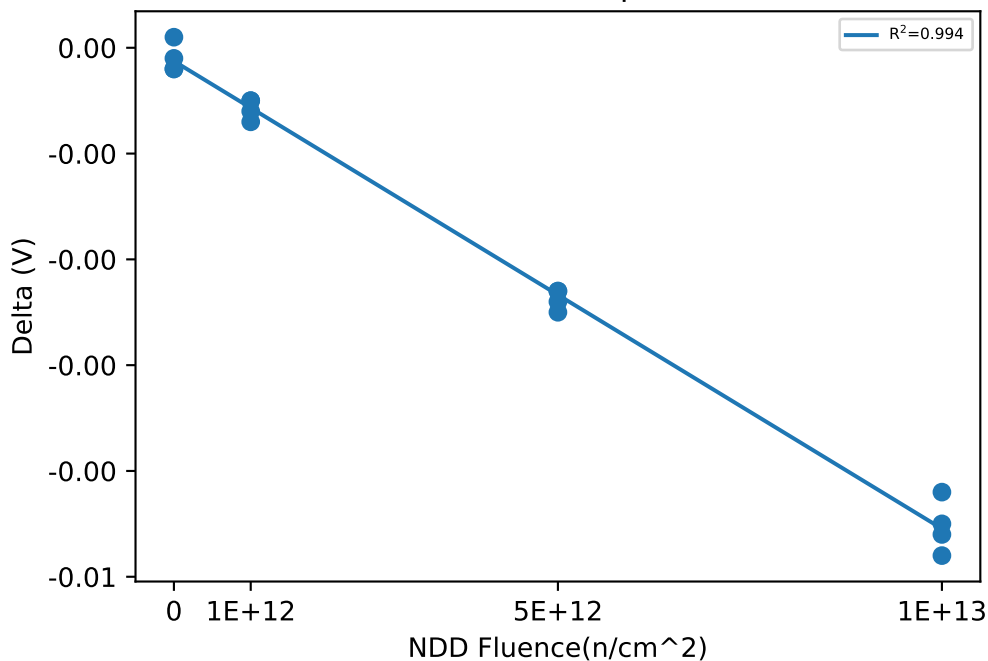
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2252	1.2245	-0.0007
583	1e+12	NDD	1.2246	1.224	-0.0006
594	1e+12	NDD	1.2264	1.2259	-0.0005
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2223	1.2199	-0.0024
919	5e+12	NDD	1.2241	1.2216	-0.0025
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2223	1.2175	-0.0048
1176	1e+13	NDD	1.2255	1.2213	-0.0042
1197	1e+13	NDD	1.2235	1.219	-0.0045
1246	0	CORRELATION	1.2206	1.2205	-0.0001
1277	1e+13	NDD	1.2213	1.2167	-0.0046
1357	0	CORRELATION	1.2237	1.2235	-0.0002
1410	0	CORRELATION	1.2191	1.2192	0.0001
1437	0	CORRELATION	1.2227	1.2225	-0.0002

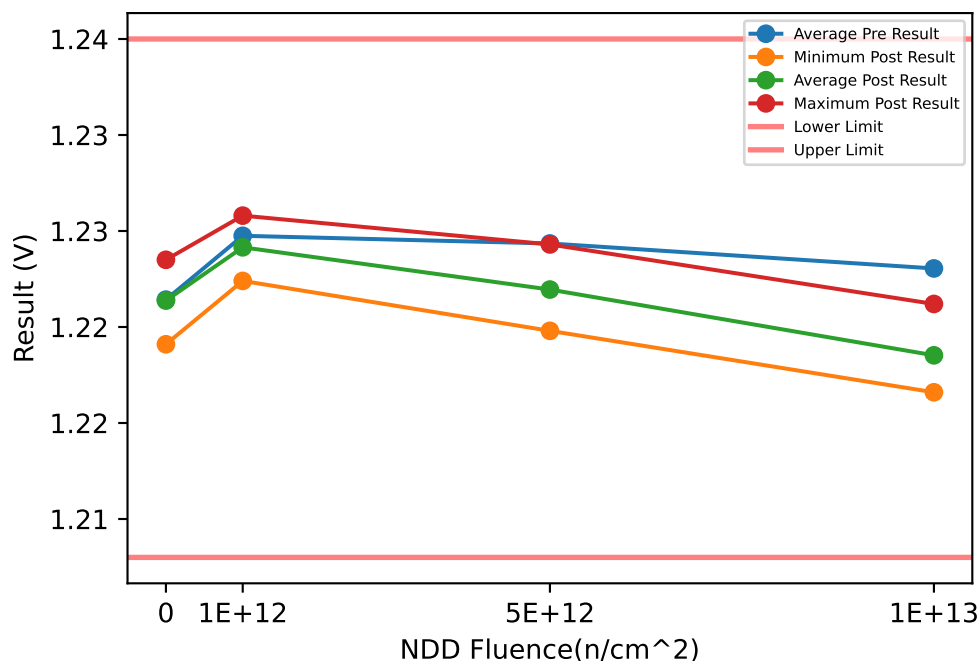
NDD vs Post - Pre Exposure Delta



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	1.2191	1.2215	1.2237	0.0020694	1.2192	1.2214	1.2235	0.001938	-0.0002	-0.0001	0.0001	0.00014142
1e+12	1.2229	1.2248	1.2264	0.0014569	1.2224	1.2242	1.2259	0.0014445	-0.0007	-0.000575	-0.0005	9.5743e-05
5e+12	1.2223	1.2244	1.2266	0.0017652	1.2199	1.222	1.2243	0.0018166	-0.0025	-0.002375	-0.0023	9.5743e-05
1e+13	1.2213	1.2231	1.2255	0.0018065	1.2167	1.2186	1.2213	0.0020222	-0.0048	-0.004525	-0.0042	0.00025

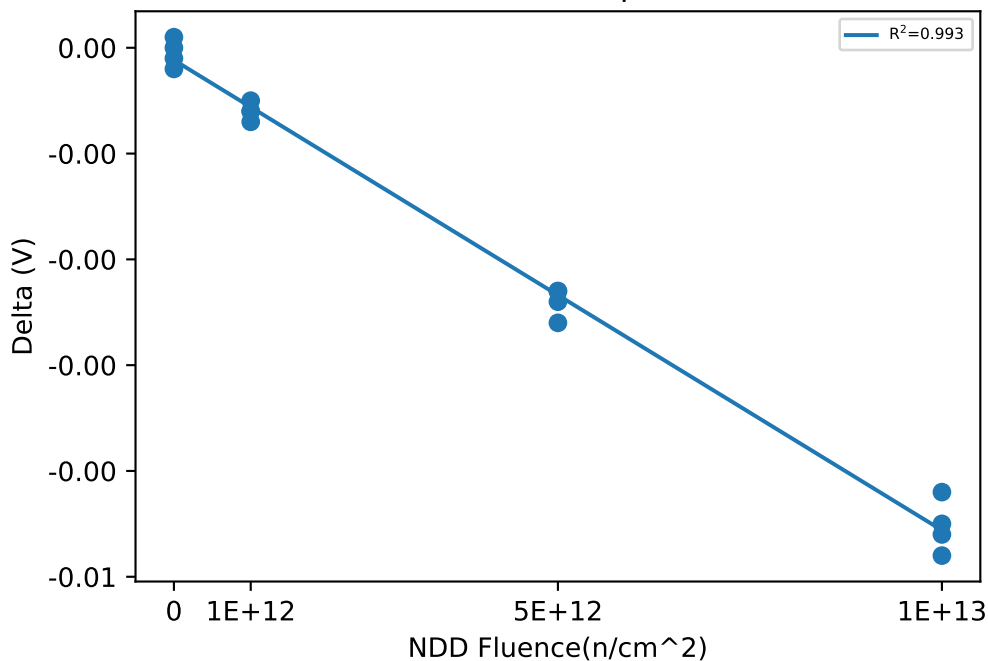
NDD vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.2229	1.2224	-0.0005
489	1e+12	NDD	1.2251	1.2245	-0.0006
583	1e+12	NDD	1.2246	1.2239	-0.0007
594	1e+12	NDD	1.2264	1.2258	-0.0006
624	5e+12	NDD	1.2266	1.2243	-0.0023
839	5e+12	NDD	1.2222	1.2198	-0.0024
919	5e+12	NDD	1.2241	1.2215	-0.0026
938	5e+12	NDD	1.2245	1.2222	-0.0023
988	1e+13	NDD	1.2222	1.2174	-0.0048
1176	1e+13	NDD	1.2254	1.2212	-0.0042
1197	1e+13	NDD	1.2234	1.2189	-0.0045
1246	0	CORRELATION	1.2205	1.2205	0
1277	1e+13	NDD	1.2212	1.2166	-0.0046
1357	0	CORRELATION	1.2236	1.2235	-0.0001
1410	0	CORRELATION	1.219	1.2191	0.0001
1437	0	CORRELATION	1.2226	1.2224	-0.0002

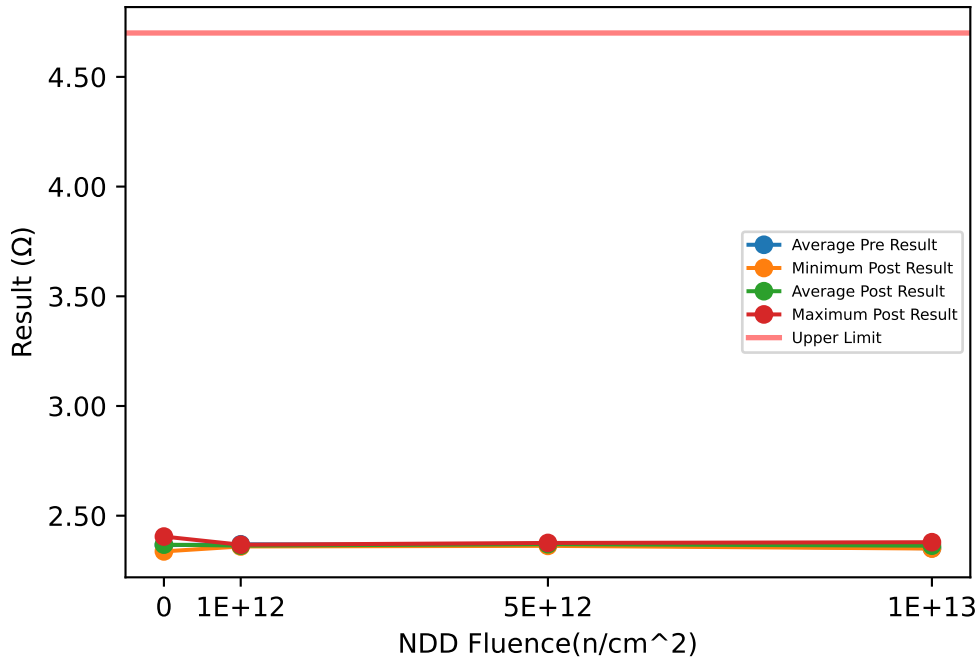
NDD vs Post - Pre Exposure Delta



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	1.219	1.2214	1.2236	0.0020694	1.2191	1.2214	1.2235	0.0019585	-0.0002	-5e-05	0.0001	0.0001291
1e+12	1.2229	1.2248	1.2264	0.001448	1.2224	1.2241	1.2258	0.0014107	-0.0007	-0.0006	-0.0005	8.165e-05
5e+12	1.2222	1.2243	1.2266	0.0018046	1.2198	1.222	1.2243	0.0018628	-0.0026	-0.0024	-0.0023	0.00014142
1e+13	1.2212	1.223	1.2254	0.0018065	1.2166	1.2185	1.2212	0.0020222	-0.0048	-0.004525	-0.0042	0.00025

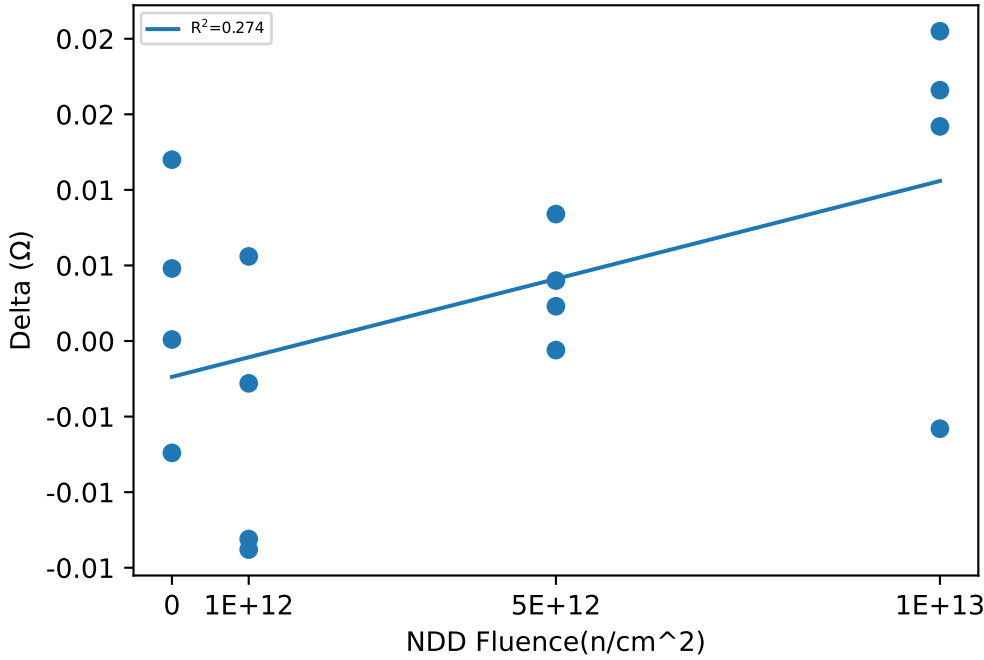
NDD vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.3735	2.3597	-0.0138
489	1e+12	NDD	2.3621	2.3677	0.0056
583	1e+12	NDD	2.3693	2.3665	-0.0028
594	1e+12	NDD	2.3737	2.3606	-0.0131
624	5e+12	NDD	2.3673	2.3713	0.004
839	5e+12	NDD	2.3686	2.3709	0.0023
919	5e+12	NDD	2.3674	2.3758	0.0084
938	5e+12	NDD	2.3631	2.3625	-0.0006
988	1e+13	NDD	2.3489	2.3631	0.0142
1176	1e+13	NDD	2.3587	2.3792	0.0205
1197	1e+13	NDD	2.356	2.3502	-0.0058
1246	0	CORRELATION	2.3477	2.3597	0.012
1277	1e+13	NDD	2.3441	2.3607	0.0166
1357	0	CORRELATION	2.3657	2.3705	0.0048
1410	0	CORRELATION	2.4123	2.4049	-0.0074
1437	0	CORRELATION	2.3372	2.3373	0.0001

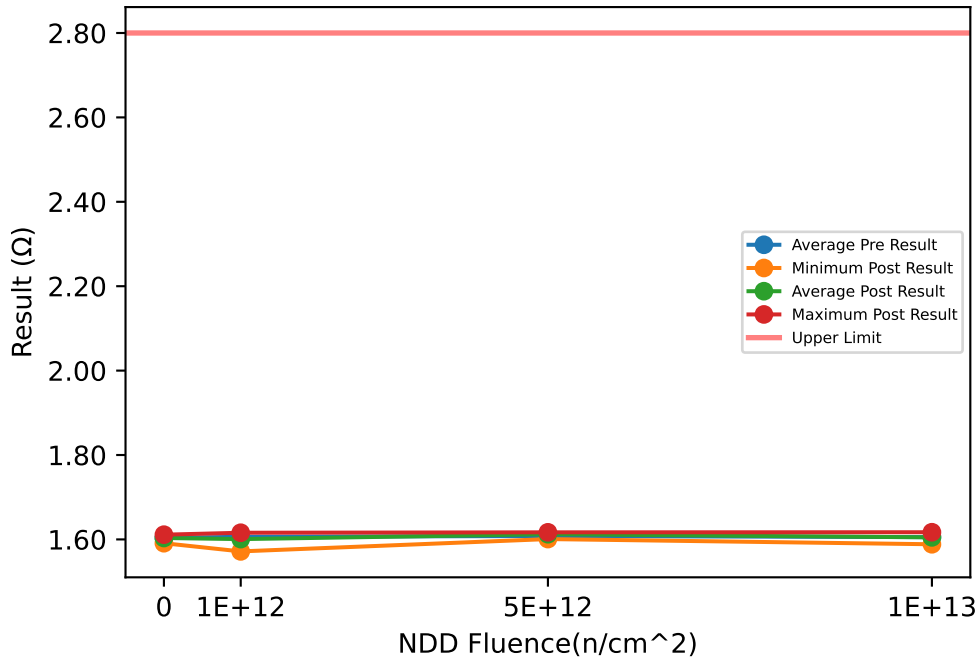
NDD vs Post - Pre Exposure Delta



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	2.3372	2.3657	2.4123	0.033205	2.3373	2.3681	2.4049	0.028161	-0.0074	0.002375	0.012	0.0081496
1e+12	2.3621	2.3697	2.3737	0.0054268	2.3597	2.3636	2.3677	0.004059	-0.0138	-0.006025	0.0056	0.0092385
5e+12	2.3631	2.3666	2.3686	0.0024069	2.3625	2.3701	2.3758	0.0055476	-0.0006	0.003525	0.0084	0.0037642
1e+13	2.3441	2.3519	2.3587	0.0066555	2.3502	2.3633	2.3792	0.011989	-0.0058	0.011375	0.0205	0.011741

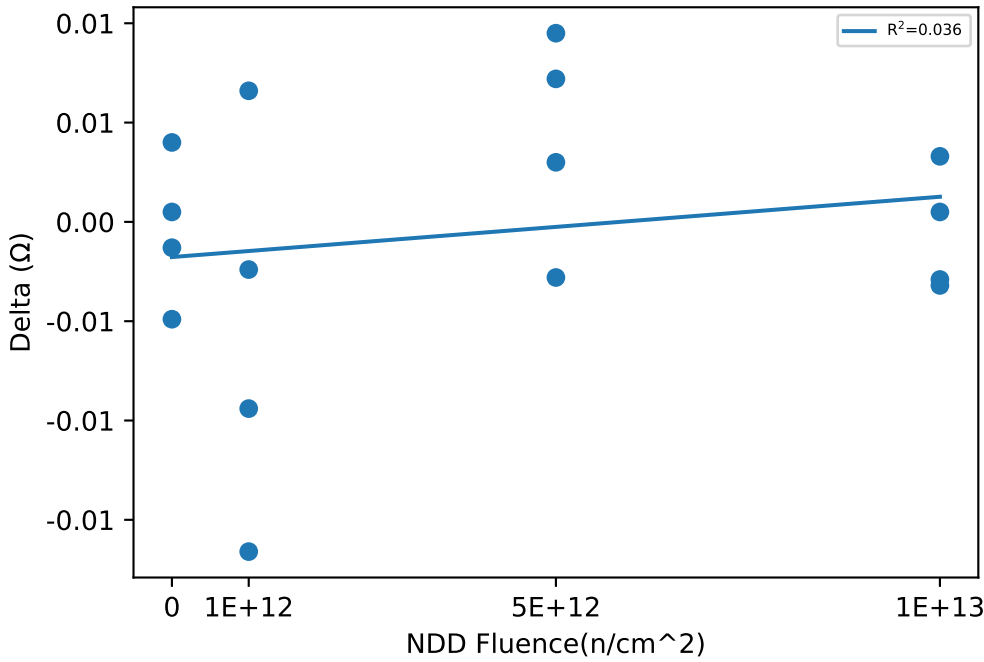
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.5882	1.5716	-0.0166
489	1e+12	NDD	1.6153	1.6129	-0.0024
583	1e+12	NDD	1.6092	1.6158	0.0066
594	1e+12	NDD	1.612	1.6026	-0.0094
624	5e+12	NDD	1.6071	1.6166	0.0095
839	5e+12	NDD	1.6121	1.6151	0.003
919	5e+12	NDD	1.6096	1.6168	0.0072
938	5e+12	NDD	1.6036	1.6008	-0.0028
988	1e+13	NDD	1.6199	1.617	-0.0029
1176	1e+13	NDD	1.6134	1.6167	0.0033
1197	1e+13	NDD	1.5917	1.5885	-0.0032
1246	0	CORRELATION	1.6155	1.6106	-0.0049
1277	1e+13	NDD	1.5967	1.5972	0.0005
1357	0	CORRELATION	1.6019	1.6006	-0.0013
1410	0	CORRELATION	1.5905	1.591	0.0005
1437	0	CORRELATION	1.6072	1.6112	0.004

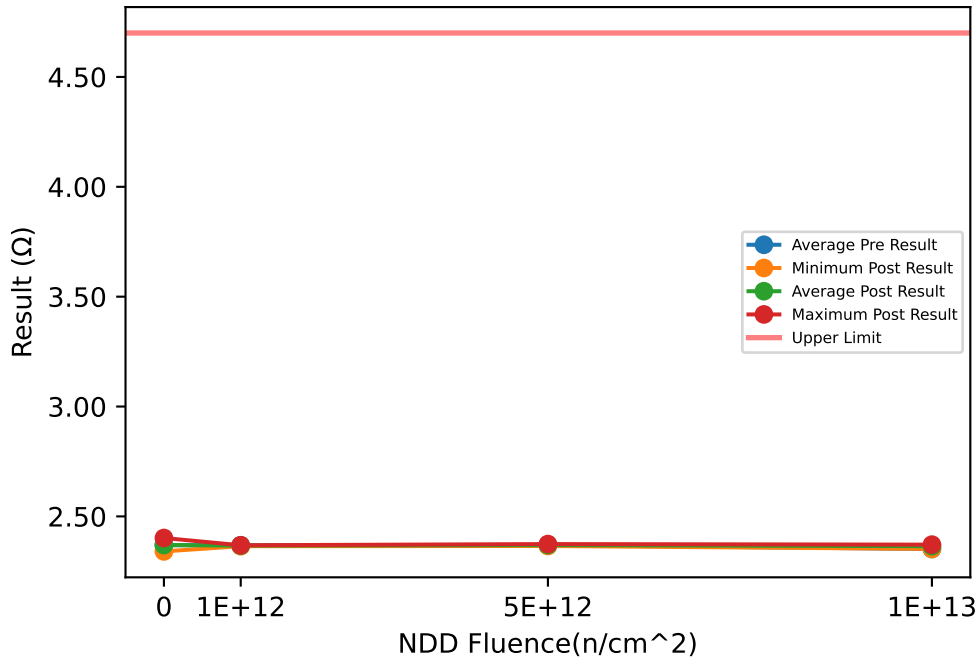
NDD vs Post - Pre Exposure Delta



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	1.5905	1.6038	1.6155	0.010471	1.591	1.6034	1.6112	0.0095616	-0.0049	-0.000425	0.004	0.0037071
1e+12	1.5882	1.6062	1.6153	0.01224	1.5716	1.6007	1.6158	0.020226	-0.0166	-0.00545	0.0066	0.0099067
5e+12	1.6036	1.6081	1.6121	0.0036286	1.6008	1.6123	1.6168	0.0077207	-0.0028	0.004225	0.0095	0.0054015
1e+13	1.5917	1.6054	1.6199	0.013387	1.5885	1.6048	1.617	0.014305	-0.0032	-0.000575	0.0033	0.0030804

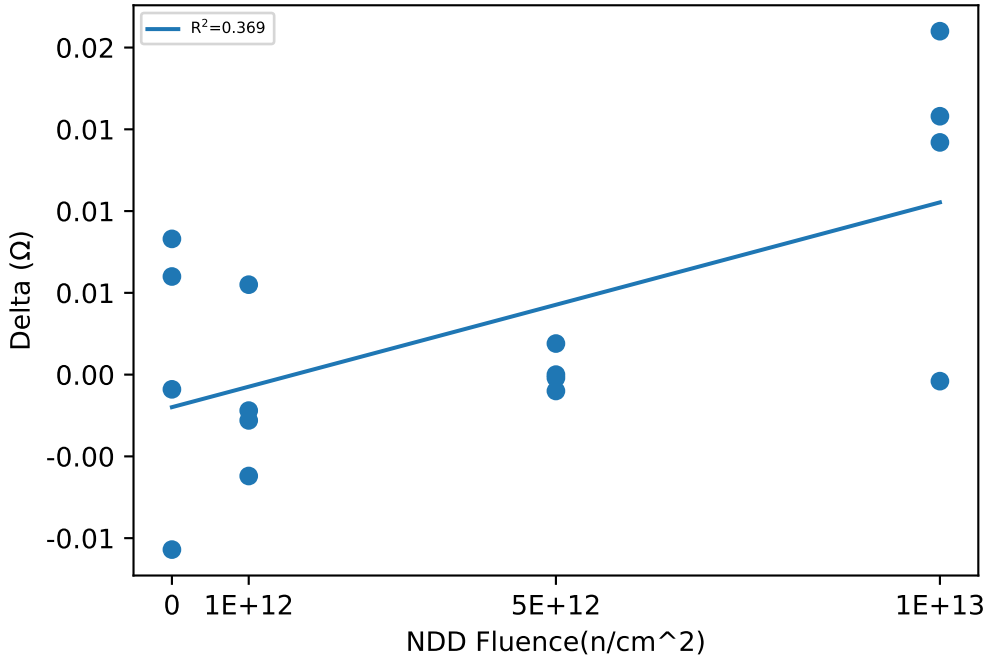
NDD vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.3672	2.3644	-0.0028
489	1e+12	NDD	2.3627	2.3682	0.0055
583	1e+12	NDD	2.3708	2.3686	-0.0022
594	1e+12	NDD	2.3734	2.3672	-0.0062
624	5e+12	NDD	2.3689	2.3679	-0.001
839	5e+12	NDD	2.3742	2.374	-0.0002
919	5e+12	NDD	2.3688	2.3707	0.0019
938	5e+12	NDD	2.3653	2.3653	0
988	1e+13	NDD	2.3504	2.3714	0.021
1176	1e+13	NDD	2.3562	2.3704	0.0142
1197	1e+13	NDD	2.3523	2.3519	-0.0004
1246	0	CORRELATION	2.353	2.359	0.006
1277	1e+13	NDD	2.3477	2.3635	0.0158
1357	0	CORRELATION	2.3688	2.3771	0.0083
1410	0	CORRELATION	2.4124	2.4017	-0.0107
1437	0	CORRELATION	2.3416	2.3407	-0.0009

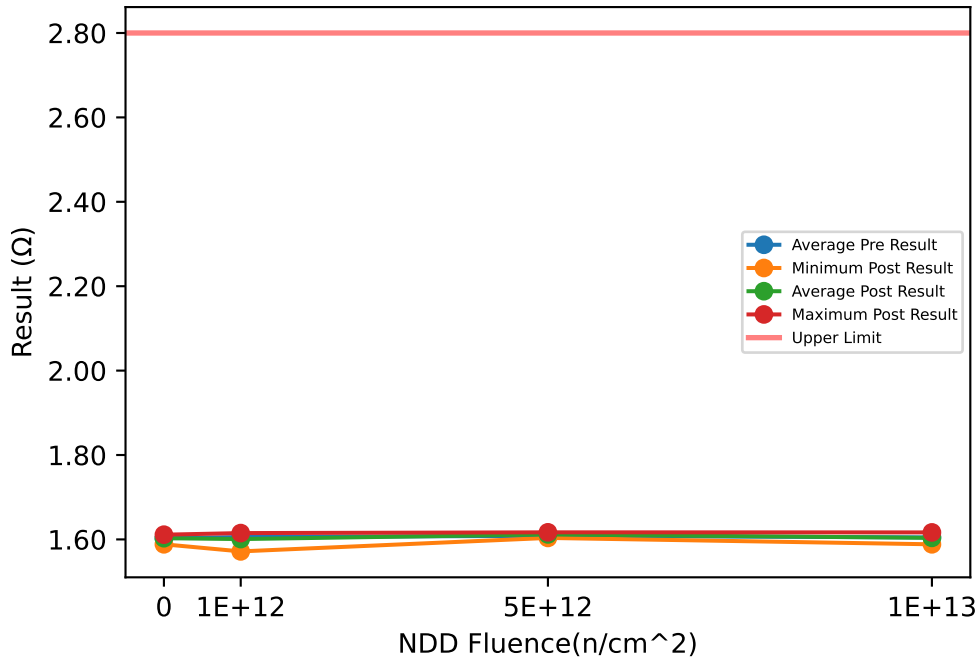
NDD vs Post - Pre Exposure Delta



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	2.3416	2.3689	2.4124	0.031039	2.3407	2.3696	2.4017	0.02604	-0.0107	0.000675	0.0083	0.0085317
1e+12	2.3627	2.3685	2.3734	0.0046414	2.3644	2.3671	2.3686	0.0018938	-0.0062	-0.001425	0.0055	0.0049412
5e+12	2.3653	2.3693	2.3742	0.0036706	2.3653	2.3695	2.374	0.0037366	-0.001	0.000175	0.0019	0.0012285
1e+13	2.3477	2.3517	2.3562	0.0035726	2.3519	2.3643	2.3714	0.0089818	-0.0004	0.01265	0.021	0.0091715

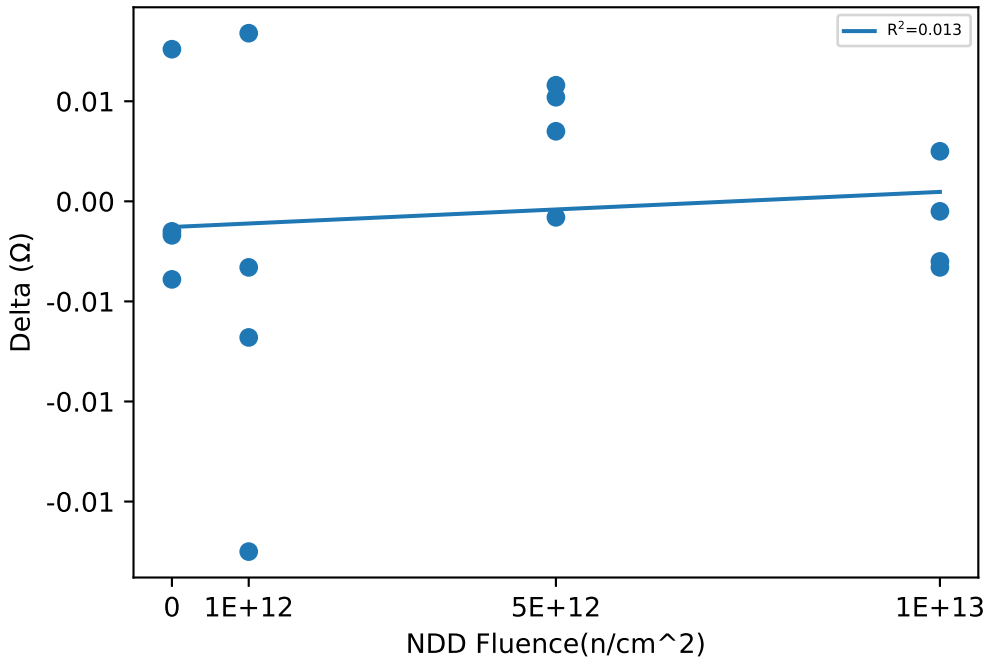
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.5891	1.5716	-0.0175
489	1e+12	NDD	1.6182	1.6149	-0.0033
583	1e+12	NDD	1.6066	1.615	0.0084
594	1e+12	NDD	1.6085	1.6017	-0.0068
624	5e+12	NDD	1.6105	1.614	0.0035
839	5e+12	NDD	1.611	1.6168	0.0058
919	5e+12	NDD	1.6081	1.6133	0.0052
938	5e+12	NDD	1.6043	1.6035	-0.0008
988	1e+13	NDD	1.6171	1.6166	-0.0005
1176	1e+13	NDD	1.6108	1.6133	0.0025
1197	1e+13	NDD	1.5917	1.5884	-0.0033
1246	0	CORRELATION	1.6144	1.6105	-0.0039
1277	1e+13	NDD	1.5993	1.5963	-0.003
1357	0	CORRELATION	1.6029	1.6014	-0.0015
1410	0	CORRELATION	1.5901	1.5884	-0.0017
1437	0	CORRELATION	1.6036	1.6112	0.0076

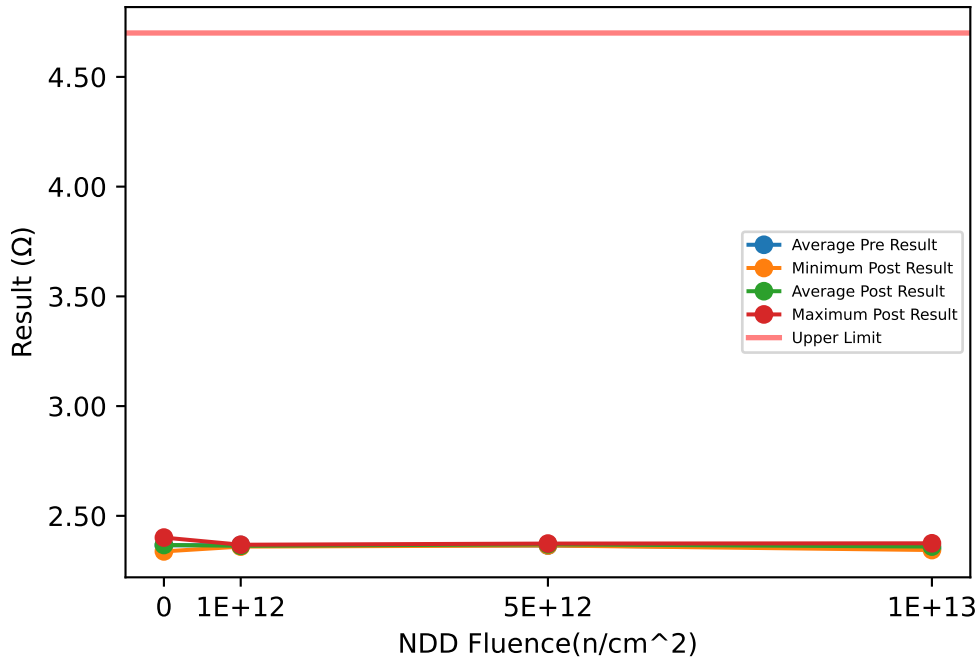
NDD vs Post - Pre Exposure Delta



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	1.5901	1.6027	1.6144	0.0099413	1.5884	1.6029	1.6112	0.010632	-0.0039	0.000125	0.0076	0.0051006
1e+12	1.5891	1.6056	1.6182	0.012116	1.5716	1.6008	1.615	0.020444	-0.0175	-0.0048	0.0084	0.010674
5e+12	1.6043	1.6085	1.611	0.0030576	1.6035	1.6119	1.6168	0.0058006	-0.0008	0.003425	0.0058	0.0029804
1e+13	1.5917	1.6047	1.6171	0.011389	1.5884	1.6037	1.6166	0.013508	-0.0033	-0.001075	0.0025	0.0026937

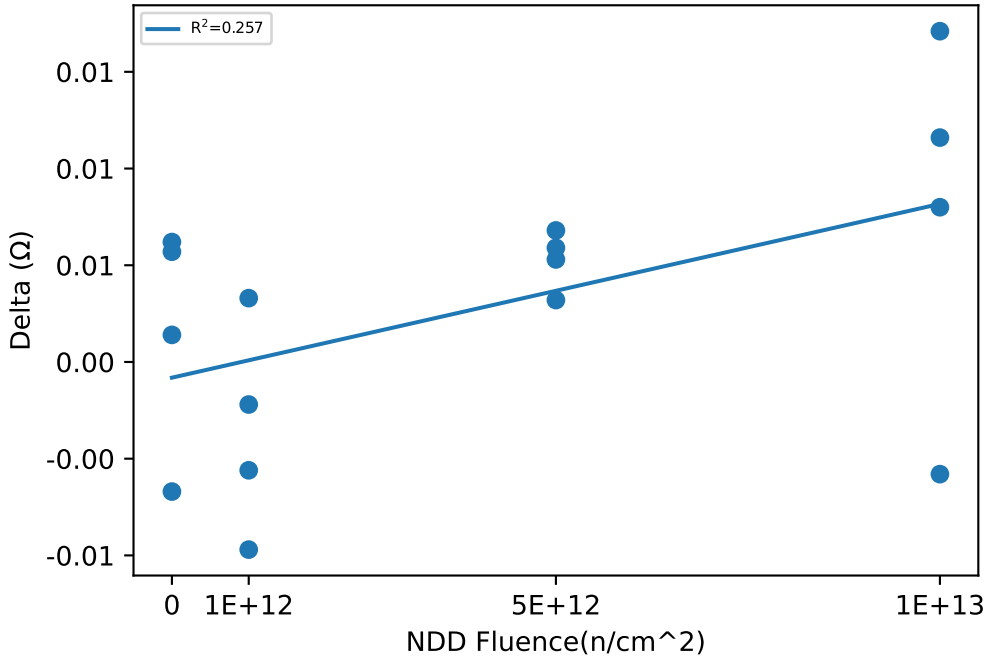
NDD vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.3654	2.3598	-0.0056
489	1e+12	NDD	2.3575	2.3608	0.0033
583	1e+12	NDD	2.3706	2.3684	-0.0022
594	1e+12	NDD	2.3744	2.3647	-0.0097
624	5e+12	NDD	2.3669	2.3737	0.0068
839	5e+12	NDD	2.3691	2.3723	0.0032
919	5e+12	NDD	2.3638	2.3697	0.0059
938	5e+12	NDD	2.3595	2.3648	0.0053
988	1e+13	NDD	2.3516	2.3632	0.0116
1176	1e+13	NDD	2.3578	2.3749	0.0171
1197	1e+13	NDD	2.3499	2.3441	-0.0058
1246	0	CORRELATION	2.3515	2.3572	0.0057
1277	1e+13	NDD	2.3494	2.3574	0.008
1357	0	CORRELATION	2.3663	2.3725	0.0062
1410	0	CORRELATION	2.4077	2.401	-0.0067
1437	0	CORRELATION	2.3366	2.338	0.0014

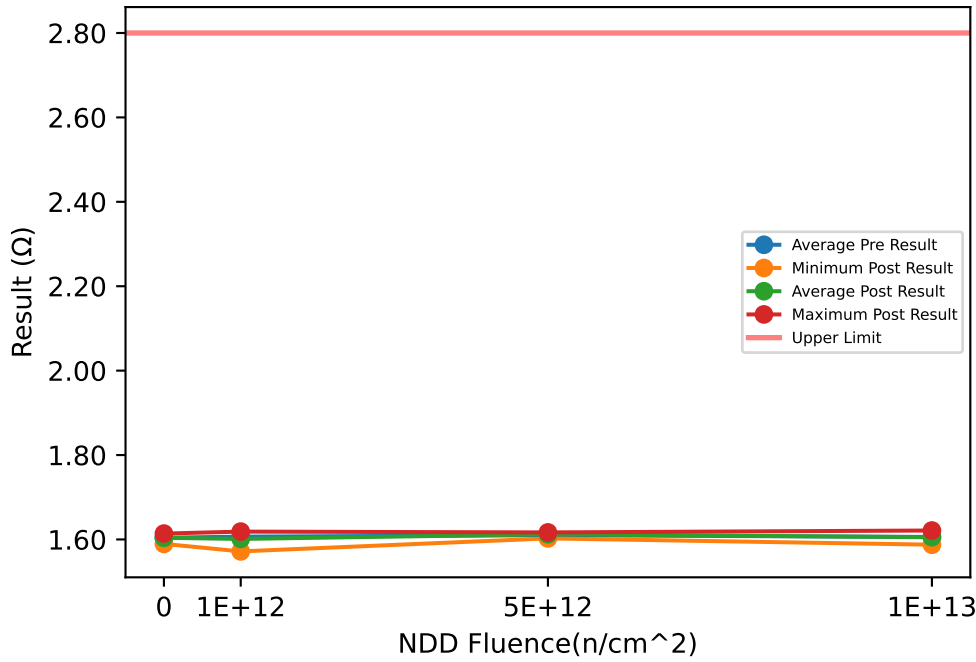
NDD vs Post - Pre Exposure Delta



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	2.3366	2.3655	2.4077	0.03062	2.338	2.3672	2.401	0.026603	-0.0067	0.00165	0.0062	0.0059691
1e+12	2.3575	2.367	2.3744	0.007315	2.3598	2.3634	2.3684	0.0039331	-0.0097	-0.00355	0.0033	0.0055006
5e+12	2.3595	2.3648	2.3691	0.0041628	2.3648	2.3701	2.3737	0.0039178	0.0032	0.0053	0.0068	0.0015297
1e+13	2.3494	2.3522	2.3578	0.0038664	2.3441	2.3599	2.3749	0.012803	-0.0058	0.007725	0.0171	0.0097623

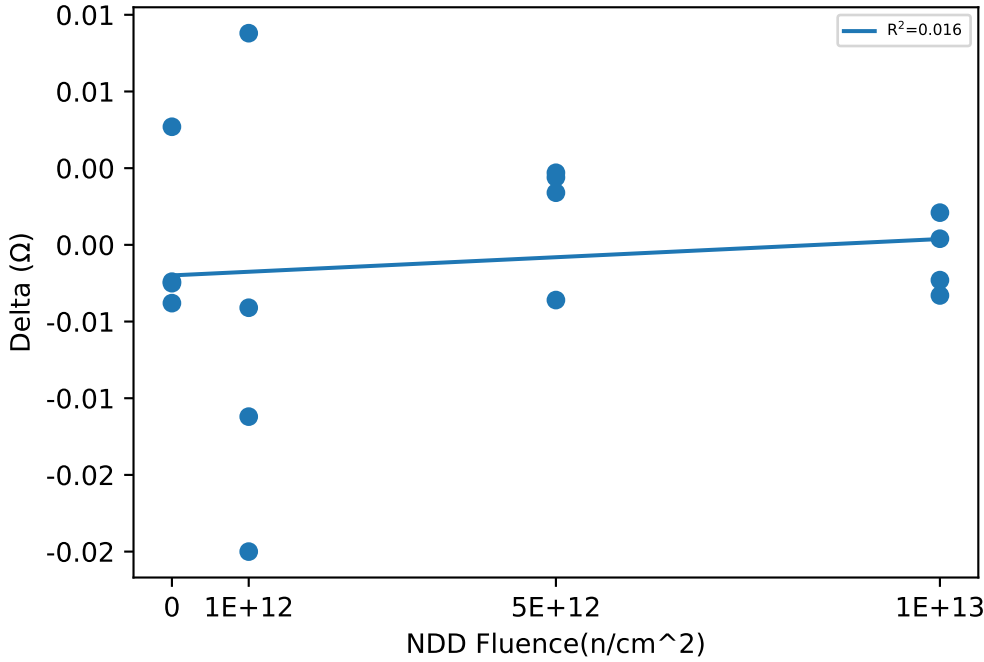
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.5917	1.5717	-0.02
489	1e+12	NDD	1.6171	1.613	-0.0041
583	1e+12	NDD	1.6048	1.6186	0.0138
594	1e+12	NDD	1.6129	1.6017	-0.0112
624	5e+12	NDD	1.6116	1.615	0.0034
839	5e+12	NDD	1.6102	1.6149	0.0047
919	5e+12	NDD	1.6123	1.6167	0.0044
938	5e+12	NDD	1.6061	1.6025	-0.0036
988	1e+13	NDD	1.6208	1.6212	0.0004
1176	1e+13	NDD	1.6145	1.6166	0.0021
1197	1e+13	NDD	1.5899	1.5876	-0.0023
1246	0	CORRELATION	1.6144	1.6106	-0.0038
1277	1e+13	NDD	1.5987	1.5954	-0.0033
1357	0	CORRELATION	1.6039	1.6014	-0.0025
1410	0	CORRELATION	1.5919	1.5895	-0.0024
1437	0	CORRELATION	1.6062	1.6139	0.0077

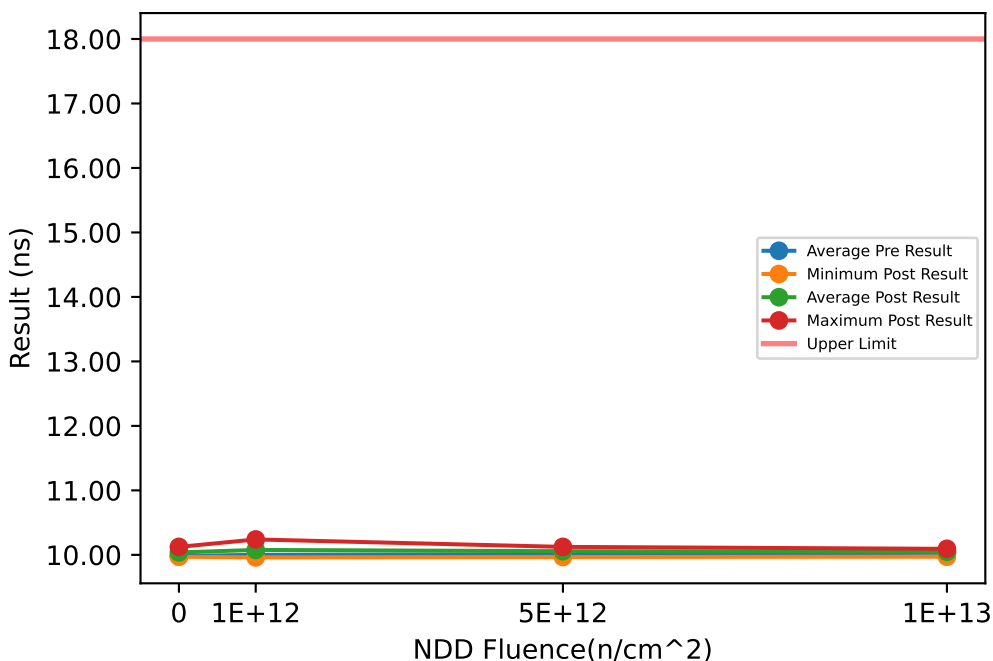
NDD vs Post - Pre Exposure Delta



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	1.5919	1.6041	1.6144	0.0092984	1.5895	1.6038	1.6139	0.010931	-0.0038	-0.00025	0.0077	0.0053382
1e+12	1.5917	1.6066	1.6171	0.011183	1.5717	1.6013	1.6186	0.020916	-0.02	-0.005375	0.0138	0.014343
5e+12	1.6061	1.61	1.6123	0.0027743	1.6025	1.6123	1.6167	0.0065688	-0.0036	0.002225	0.0047	0.0039229
1e+13	1.5899	1.606	1.6208	0.014187	1.5876	1.6052	1.6212	0.016246	-0.0033	-0.000775	0.0021	0.002473

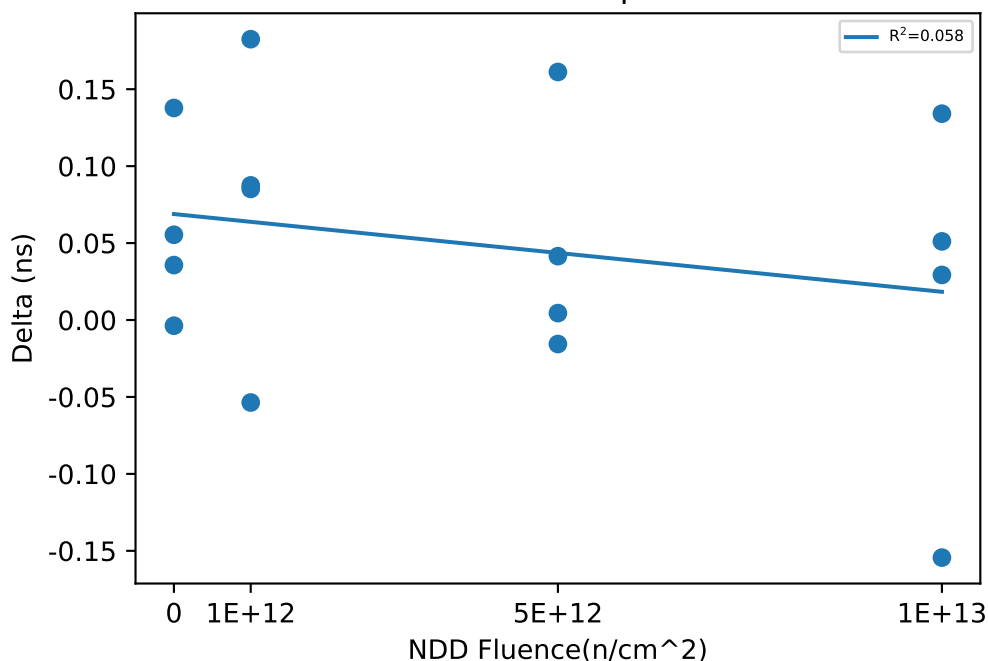
NDD vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	9.929	10.111	0.1825
489	1e+12	NDD	9.91	9.9952	0.0852
583	1e+12	NDD	10.014	9.9607	-0.0536
594	1e+12	NDD	10.152	10.239	0.0875
624	5e+12	NDD	9.9626	9.9671	0.0045
839	5e+12	NDD	10.087	10.071	-0.0156
919	5e+12	NDD	10.024	10.065	0.0415
938	5e+12	NDD	9.9626	10.124	0.1612
988	1e+13	NDD	10.042	10.094	0.0511
1176	1e+13	NDD	10.003	10.033	0.0293
1197	1e+13	NDD	9.9545	10.089	0.1341
1246	0	CORRELATION	9.9519	10.007	0.0554
1277	1e+13	NDD	10.126	9.9715	-0.1544
1357	0	CORRELATION	9.9749	9.9712	-0.0037
1410	0	CORRELATION	9.9856	10.123	0.1378
1437	0	CORRELATION	10.012	10.048	0.0357

NDD vs Post - Pre Exposure Delta

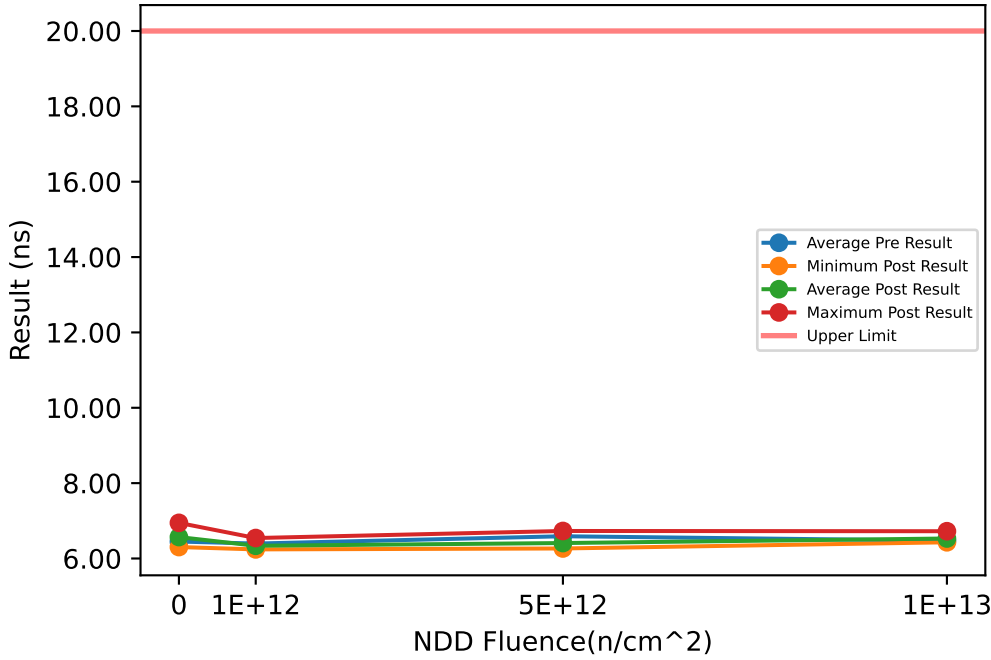


Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.9519	9.9811	10.012	0.025024	9.9712	10.037	10.123	0.065306	-0.0037	0.0563	0.1378	0.059631
1e+12	9.91	10.001	10.152	0.11003	9.9607	10.077	10.239	0.12607	-0.0536	0.0754	0.1825	0.097218
5e+12	9.9626	10.009	10.087	0.05945	9.9671	10.057	10.124	0.065363	-0.0156	0.0479	0.1612	0.079149
1e+13	9.9545	10.031	10.126	0.07248	9.9715	10.047	10.094	0.057162	-0.1544	0.015025	0.1341	0.12164

Device Test: 24.11 TIMING|OUT_RISE/OUTH/14/14/0/1000/5/500kHz//@OUT_RISE_14V

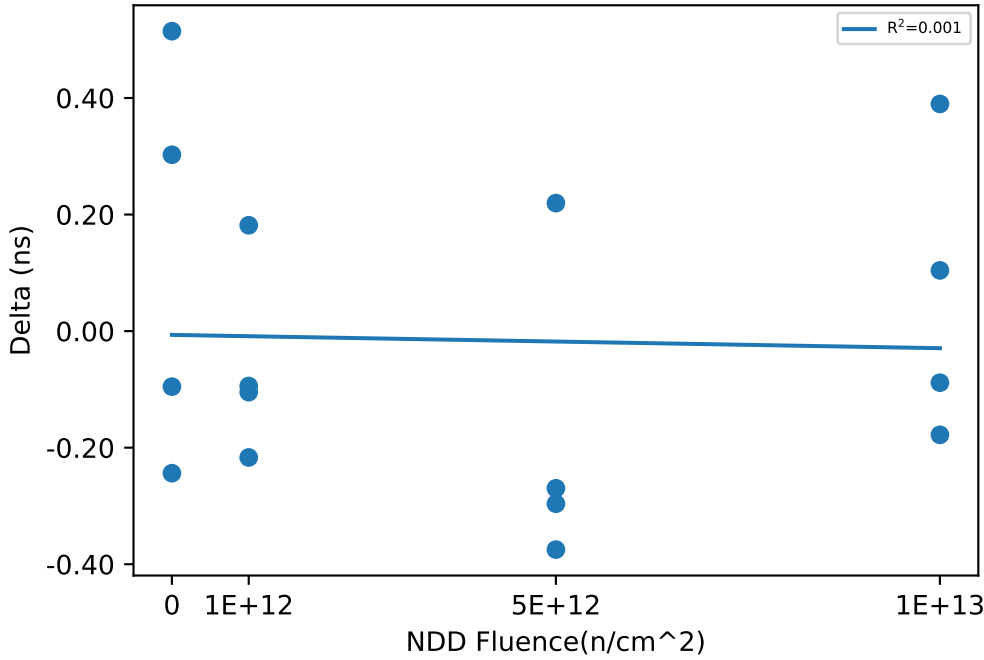
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	6.3462	6.2414	-0.1048
489	1e+12	NDD	6.3614	6.543	0.1816
583	1e+12	NDD	6.5075	6.2907	-0.2168
594	1e+12	NDD	6.3702	6.276	-0.0942
624	5e+12	NDD	6.5793	6.2831	-0.2962
839	5e+12	NDD	6.5107	6.7303	0.2196
919	5e+12	NDD	6.6305	6.3608	-0.2697
938	5e+12	NDD	6.6407	6.2658	-0.3749
988	1e+13	NDD	6.3339	6.7237	0.3898
1176	1e+13	NDD	6.6079	6.4299	-0.178
1197	1e+13	NDD	6.4071	6.5113	0.1042
1246	0	CORRELATION	6.001	6.3036	0.3026
1277	1e+13	NDD	6.5469	6.4584	-0.0885
1357	0	CORRELATION	6.431	6.9456	0.5146
1410	0	CORRELATION	6.6552	6.4114	-0.2438
1437	0	CORRELATION	6.7112	6.6159	-0.0953

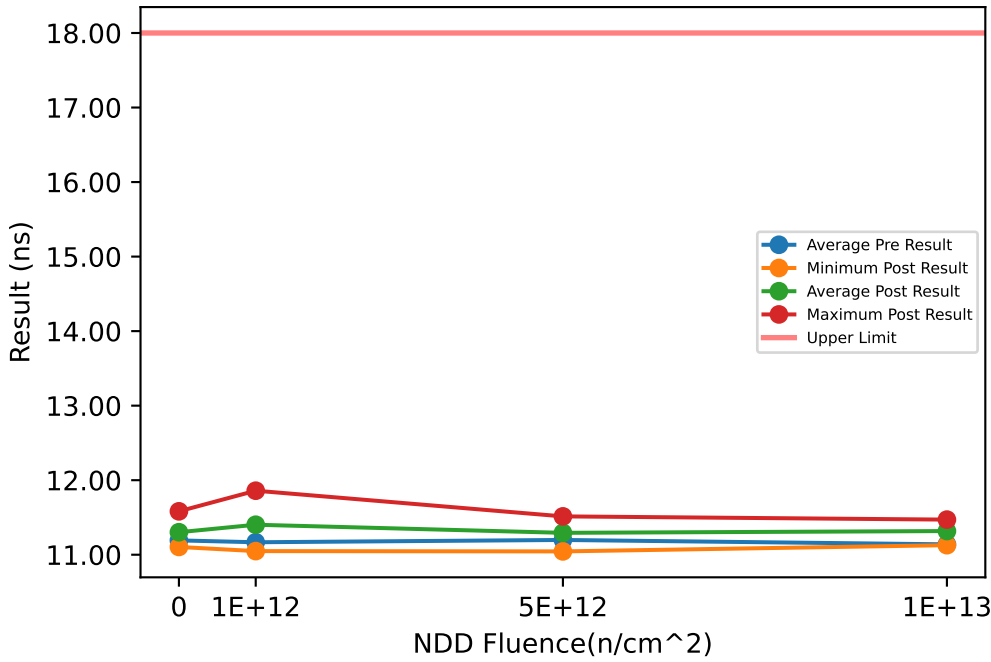
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.001	6.4496	6.7112	0.32264	6.3036	6.5691	6.9456	0.28243	-0.2438	0.11953	0.5146	0.35012
1e+12	6.3462	6.3963	6.5075	0.074777	6.2414	6.3378	6.543	0.13837	-0.2168	-0.05855	0.1816	0.16944
5e+12	6.5107	6.5903	6.6407	0.059479	6.2658	6.41	6.7303	0.21749	-0.3749	-0.1803	0.2196	0.27032
1e+13	6.3339	6.474	6.6079	0.12563	6.4299	6.5308	6.7237	0.13293	-0.178	0.056875	0.3898	0.25125

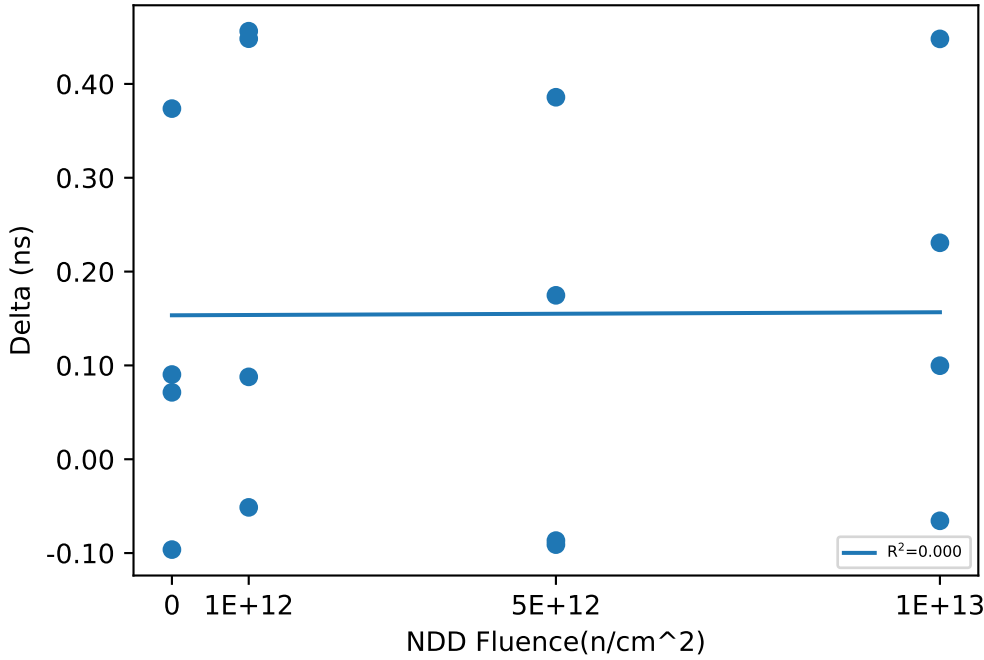
NDD vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	11.002	11.458	0.4562
489	1e+12	NDD	11.157	11.244	0.0878
583	1e+12	NDD	11.1	11.049	-0.0513
594	1e+12	NDD	11.411	11.859	0.4482
624	5e+12	NDD	11.136	11.045	-0.091
839	5e+12	NDD	11.232	11.406	0.1747
919	5e+12	NDD	11.296	11.209	-0.0867
938	5e+12	NDD	11.129	11.514	0.3858
988	1e+13	NDD	11.371	11.471	0.0997
1176	1e+13	NDD	11.294	11.229	-0.0656
1197	1e+13	NDD	10.994	11.442	0.448
1246	0	CORRELATION	11.201	11.104	-0.0963
1277	1e+13	NDD	10.897	11.128	0.2307
1357	0	CORRELATION	11.096	11.186	0.0903
1410	0	CORRELATION	11.209	11.582	0.3737
1437	0	CORRELATION	11.264	11.335	0.0713

NDD vs Post - Pre Exposure Delta

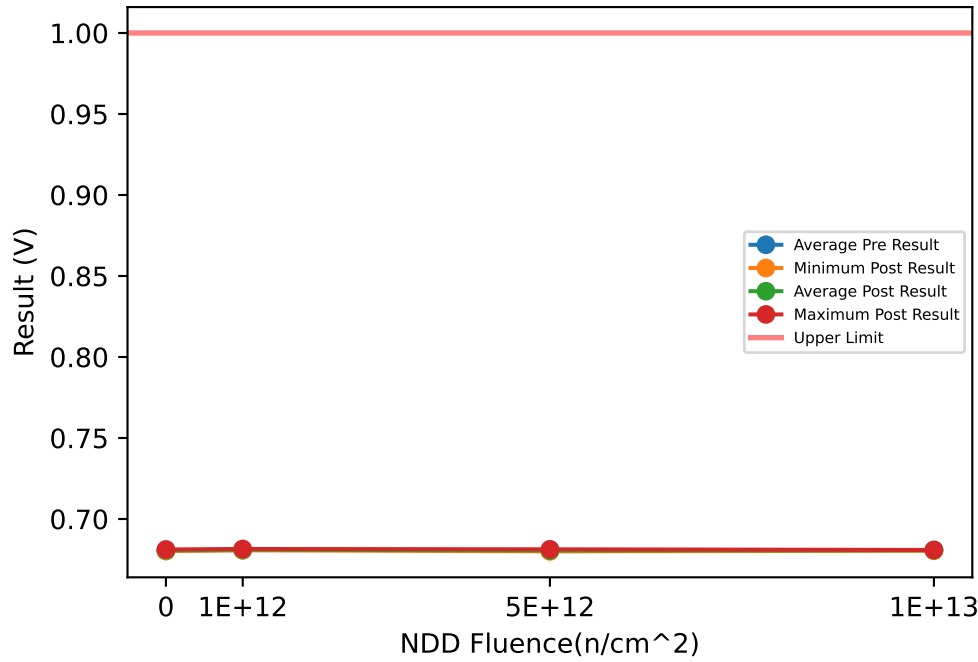


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.096	11.192	11.264	0.070041	11.104	11.302	11.582	0.20982	-0.0963	0.10975	0.3737	0.19492
1e+12	11.002	11.167	11.411	0.17454	11.049	11.402	11.859	0.34717	-0.0513	0.23523	0.4562	0.25692
5e+12	11.129	11.198	11.296	0.080492	11.045	11.294	11.514	0.20867	-0.091	0.0957	0.3858	0.22987
1e+13	10.897	11.139	11.371	0.2292	11.128	11.317	11.471	0.1662	-0.0656	0.1782	0.448	0.21691

Device Test: 24.13 VOLTAGE|OUT_CLAMP/OUTL/0/0/0/0/0/0//@OUT_CLAMP_0V

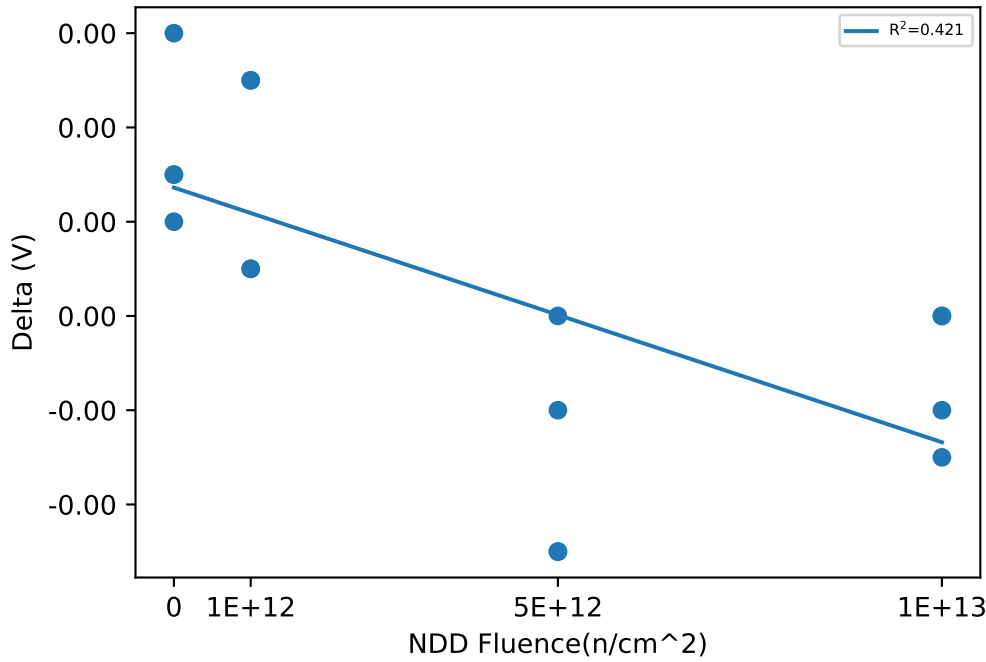
NDD vs Result Stats



Test Results (Upper Limit = 1.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.6812	0.6813	0.0001
489	1e+12	NDD	0.681	0.6815	0.0005
583	1e+12	NDD	0.6804	0.6809	0.0005
594	1e+12	NDD	0.6806	0.6807	0.0001
624	5e+12	NDD	0.6813	0.6813	0
839	5e+12	NDD	0.6809	0.6804	-0.0005
919	5e+12	NDD	0.6802	0.68	-0.0002
938	5e+12	NDD	0.681	0.6805	-0.0005
988	1e+13	NDD	0.6804	0.6804	0
1176	1e+13	NDD	0.681	0.6807	-0.0003
1197	1e+13	NDD	0.6809	0.6809	0
1246	0	CORRELATION	0.6799	0.6802	0.0003
1277	1e+13	NDD	0.681	0.6808	-0.0002
1357	0	CORRELATION	0.6806	0.6812	0.0006
1410	0	CORRELATION	0.6799	0.6802	0.0003
1437	0	CORRELATION	0.681	0.6812	0.0002

NDD vs Post - Pre Exposure Delta

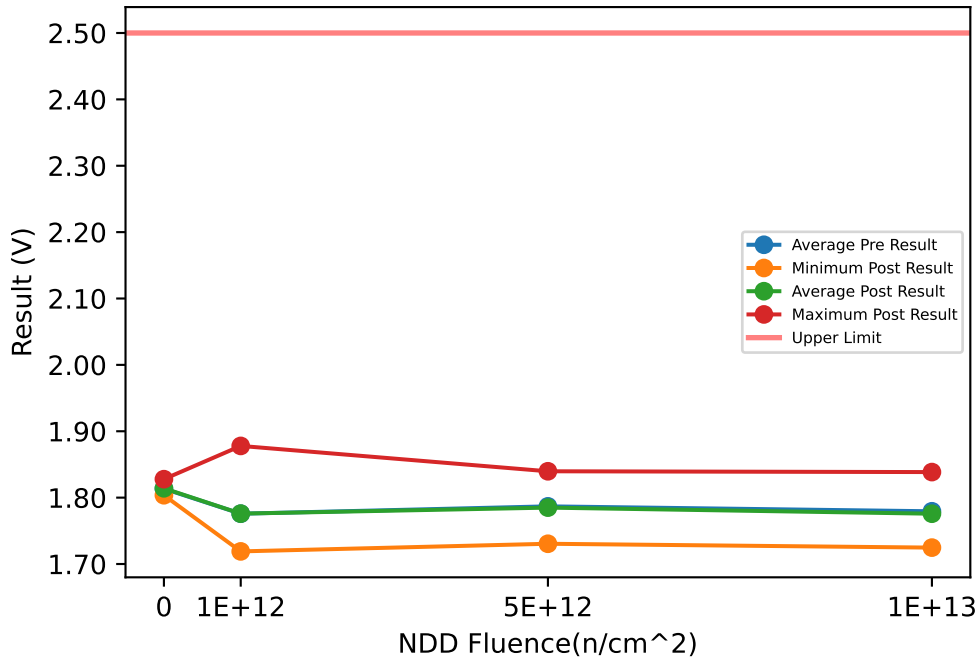


Test Statistics (V)

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	0.6799	0.68035	0.681	0.00054467	0.6802	0.6807	0.6812	0.00057735	0.0002	0.00035	0.0006	0.00017321
1e+12	0.6804	0.6808	0.6812	0.00036515	0.6807	0.6811	0.6815	0.00036515	0.0001	0.0003	0.0005	0.00023094
5e+12	0.6802	0.68085	0.6813	0.00046547	0.68	0.68055	0.6813	0.00054467	-0.0005	-0.0003	0	0.00024495
1e+13	0.6804	0.68083	0.681	0.00028723	0.6804	0.6807	0.6809	0.00021602	-0.0003	-0.000125	0	0.00015

Device Test: 24.14 VOLTAGE|OUT_CLAMP/OUTL/5/0/0/0/0/0//@OUT_CLAMP_FULL

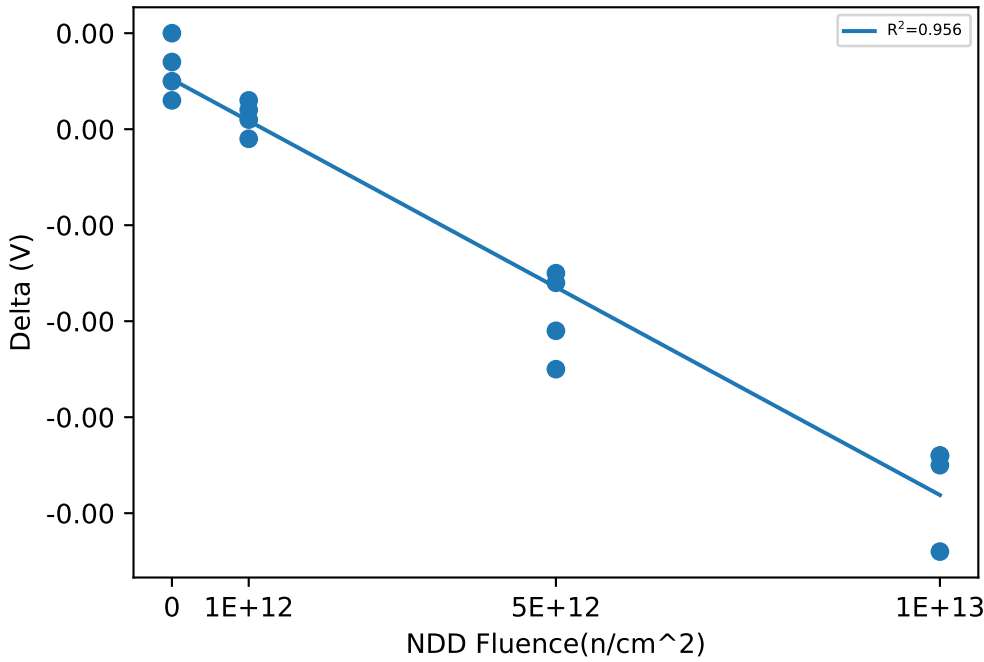
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.7191	1.719	-0.0001
489	1e+12	NDD	1.7612	1.7613	0.0001
583	1e+12	NDD	1.7451	1.7454	0.0003
594	1e+12	NDD	1.8777	1.8779	0.0002
624	5e+12	NDD	1.7384	1.7369	-0.0015
839	5e+12	NDD	1.8418	1.8397	-0.0021
919	5e+12	NDD	1.8343	1.8327	-0.0016
938	5e+12	NDD	1.733	1.7305	-0.0025
988	1e+13	NDD	1.8043	1.8008	-0.0035
1176	1e+13	NDD	1.8429	1.8385	-0.0044
1197	1e+13	NDD	1.7281	1.7247	-0.0034
1246	0	CORRELATION	1.8271	1.8278	0.0007
1277	1e+13	NDD	1.7425	1.7391	-0.0034
1357	0	CORRELATION	1.8026	1.8036	0.001
1410	0	CORRELATION	1.8178	1.8183	0.0005
1437	0	CORRELATION	1.8063	1.8066	0.0003

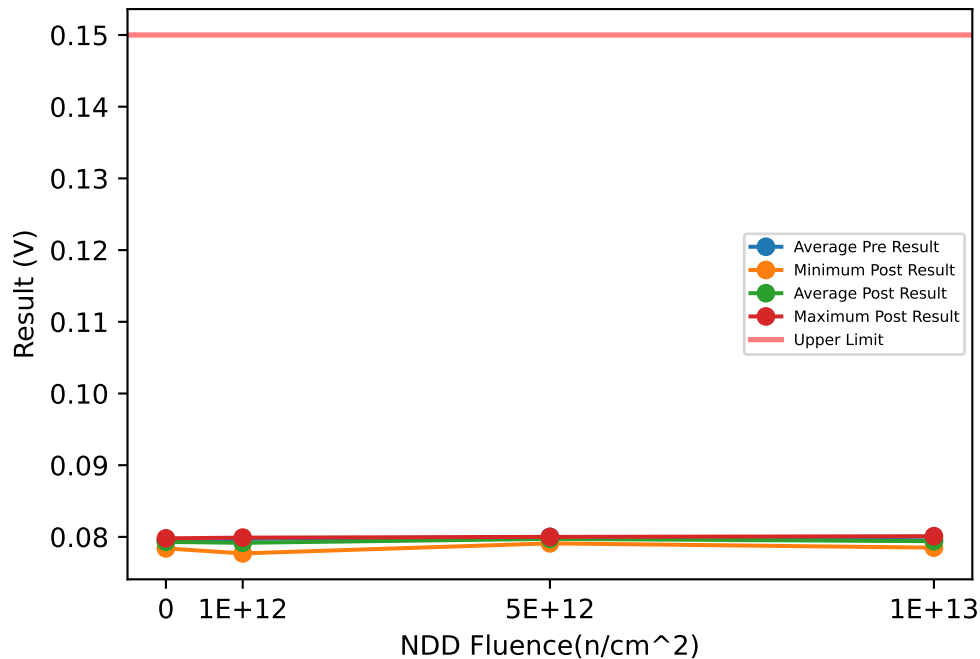
NDD vs Post - Pre Exposure Delta



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	1.8026	1.8135	1.8271	0.011167	1.8036	1.8141	1.8278	0.011133	0.0003	0.000625	0.001	0.00029861
1e+12	1.7191	1.7758	1.8777	0.070129	1.719	1.7759	1.8779	0.070202	-0.0001	0.000125	0.0003	0.00017078
5e+12	1.733	1.7869	1.8418	0.059212	1.7305	1.785	1.8397	0.059305	-0.0025	-0.001925	-0.0015	0.00046458
1e+13	1.7281	1.7794	1.8429	0.053683	1.7247	1.7758	1.8385	0.053274	-0.0044	-0.003675	-0.0034	0.00048563

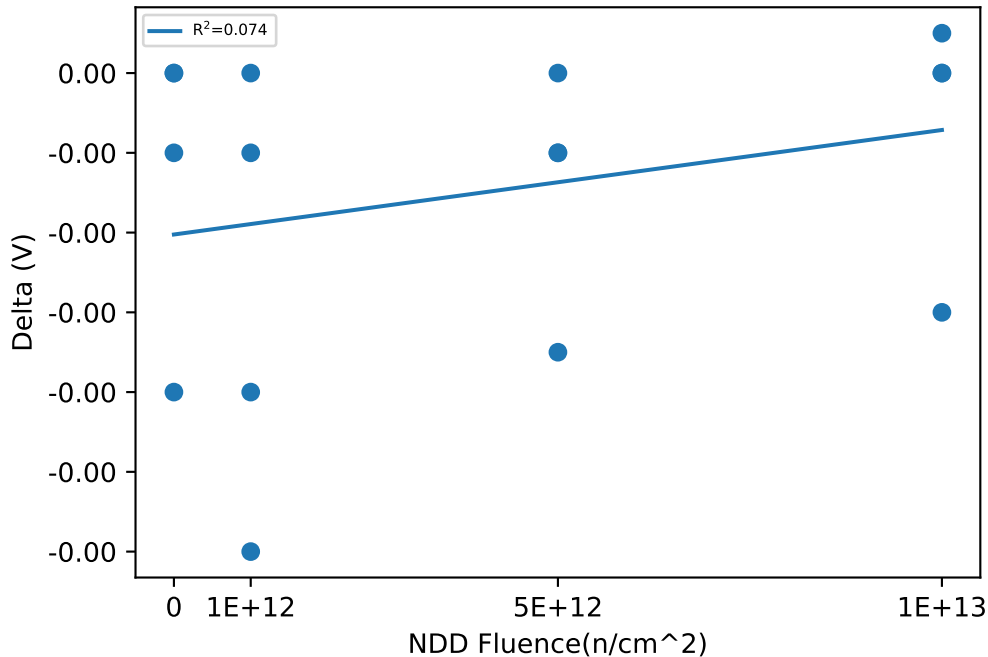
NDD vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.0789	0.0777	-0.0012
489	1e+12	NDD	0.0801	0.0799	-0.0002
583	1e+12	NDD	0.0799	0.0799	0
594	1e+12	NDD	0.08	0.0792	-0.0008
624	5e+12	NDD	0.0801	0.0799	-0.0002
839	5e+12	NDD	0.08	0.08	0
919	5e+12	NDD	0.0801	0.0799	-0.0002
938	5e+12	NDD	0.0798	0.0791	-0.0007
988	1e+13	NDD	0.0801	0.0801	0
1176	1e+13	NDD	0.0798	0.0799	0.0001
1197	1e+13	NDD	0.0791	0.0785	-0.0006
1246	0	CORRELATION	0.0798	0.0798	0
1277	1e+13	NDD	0.0791	0.0791	0
1357	0	CORRELATION	0.0793	0.0793	0
1410	0	CORRELATION	0.0792	0.0784	-0.0008
1437	0	CORRELATION	0.0799	0.0797	-0.0002

NDD vs Post - Pre Exposure Delta

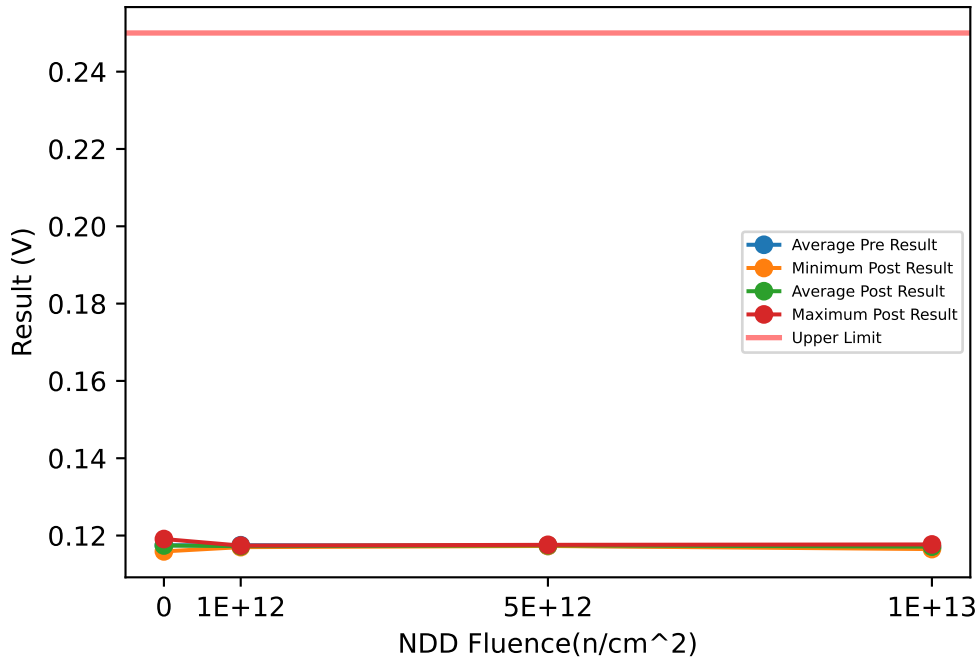


Test Statistics (V)

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	0.0792	0.07955	0.0799	0.00035119	0.0784	0.0793	0.0798	0.0006377	-0.0008	-0.00025	0	0.00037859
1e+12	0.0789	0.079725	0.0801	0.00055603	0.0777	0.079175	0.0799	0.0010372	-0.0012	-0.00055	0	0.00055076
5e+12	0.0798	0.08	0.0801	0.00014142	0.0791	0.079725	0.08	0.00041932	-0.0007	-0.000275	0	0.00029861
1e+13	0.0791	0.079525	0.0801	0.0005058	0.0785	0.0794	0.0801	0.00073937	-0.0006	-0.000125	0.0001	0.00032016

Device Test: 24.16 LEVEL|HIGH_LEVEL/OUTH/8/8/0/0/5/500kHz//@OUT_VOH

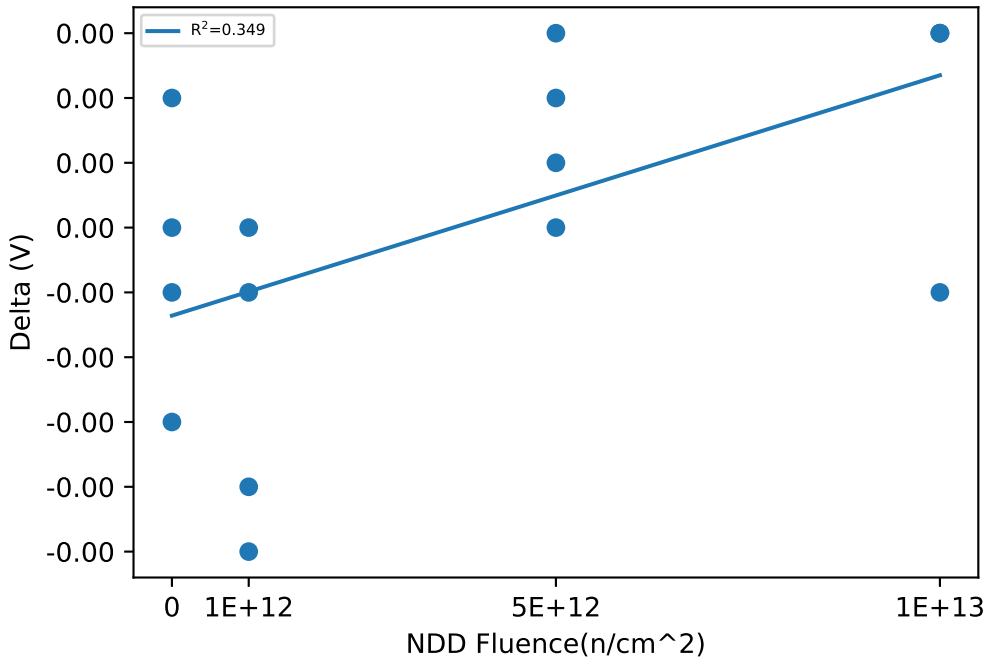
NDD vs Result Stats



Test Results (Upper Limit = 0.25 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.1175	0.117	-0.0005
489	1e+12	NDD	0.1174	0.1173	-0.0001
583	1e+12	NDD	0.1174	0.1174	0
594	1e+12	NDD	0.1177	0.1173	-0.0004
624	5e+12	NDD	0.1173	0.1175	0.0002
839	5e+12	NDD	0.1175	0.1175	0
919	5e+12	NDD	0.1173	0.1176	0.0003
938	5e+12	NDD	0.1172	0.1173	0.0001
988	1e+13	NDD	0.117	0.1173	0.0003
1176	1e+13	NDD	0.1174	0.1177	0.0003
1197	1e+13	NDD	0.1166	0.1165	-0.0001
1246	0	CORRELATION	0.1169	0.1171	0.0002
1277	1e+13	NDD	0.1167	0.117	0.0003
1357	0	CORRELATION	0.1177	0.1176	-0.0001
1410	0	CORRELATION	0.1194	0.1191	-0.0003
1437	0	CORRELATION	0.1159	0.1159	0

NDD vs Post - Pre Exposure Delta

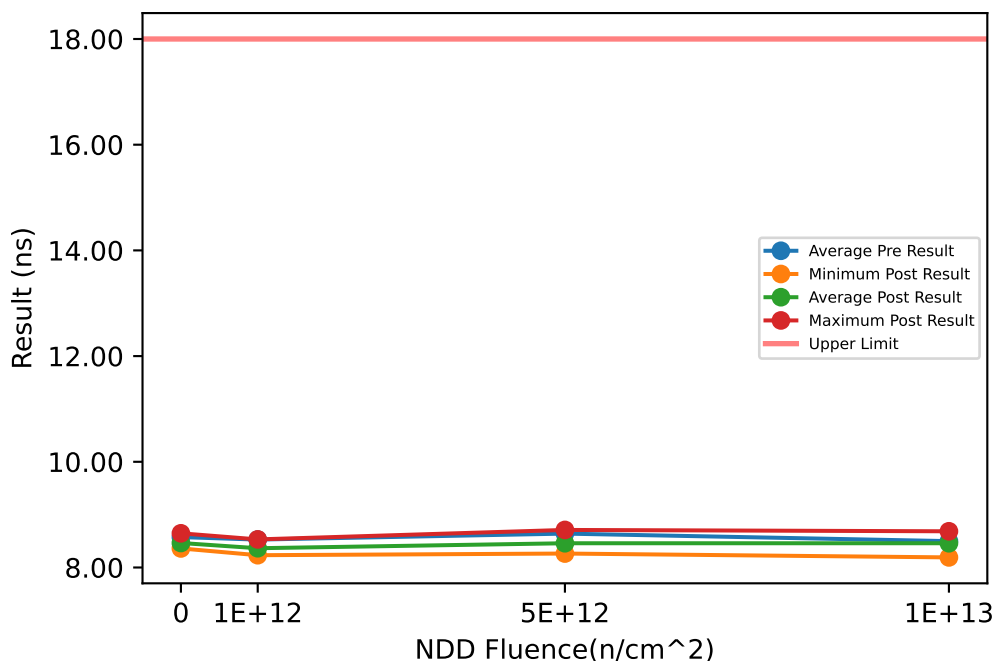


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1159	0.11747	0.1194	0.0014796	0.1159	0.11743	0.1191	0.0013251	-0.0003	-5e-05	0.0002	0.00020817
1e+12	0.1174	0.1175	0.1177	0.00014142	0.117	0.11725	0.1174	0.00017321	-0.0005	-0.00025	0	0.00023805
5e+12	0.1172	0.11732	0.1175	0.00012583	0.1173	0.11747	0.1176	0.00012583	0	0.00015	0.0003	0.0001291
1e+13	0.1166	0.11693	0.1174	0.0003594	0.1165	0.11713	0.1177	0.0005058	-0.0001	0.0002	0.0003	0.0002

Device Test: 24.17 TIMING|OUT_RISE/OUTH/8/8/0/1000/4.5/500kHz//@OUT_RISE_8V

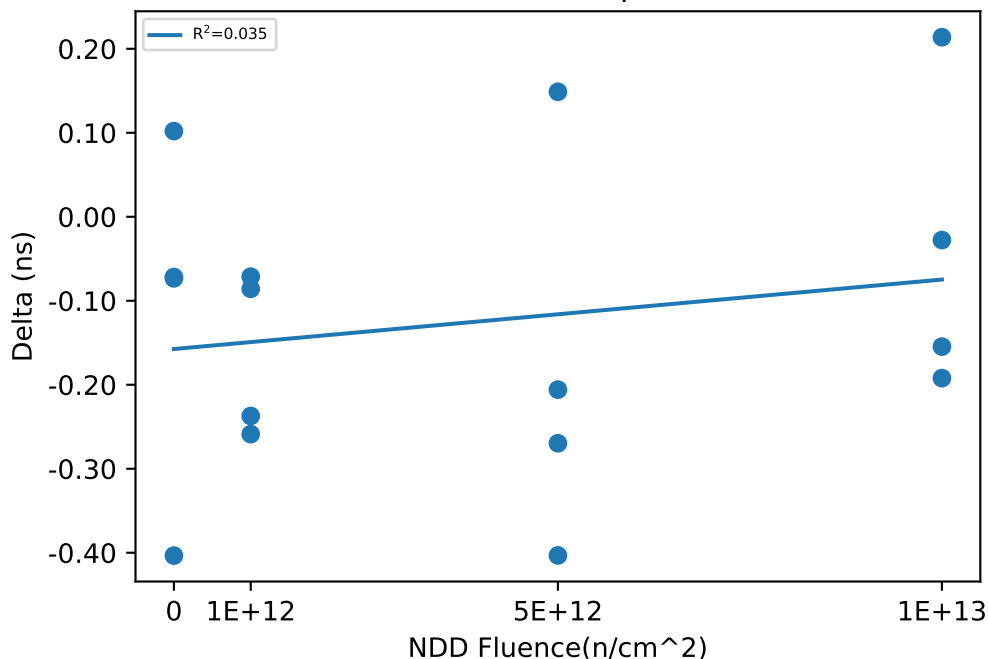
NDD vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	8.5	8.2628	-0.2372
489	1e+12	NDD	8.6029	8.5316	-0.0713
583	1e+12	NDD	8.5174	8.4316	-0.0858
594	1e+12	NDD	8.4915	8.2327	-0.2588
624	5e+12	NDD	8.712	8.4423	-0.2697
839	5e+12	NDD	8.5619	8.7107	0.1488
919	5e+12	NDD	8.6242	8.4184	-0.2058
938	5e+12	NDD	8.6672	8.264	-0.4032
988	1e+13	NDD	8.7128	8.6851	-0.0277
1176	1e+13	NDD	8.5671	8.4125	-0.1546
1197	1e+13	NDD	8.3832	8.1911	-0.1921
1246	0	CORRELATION	8.2587	8.3607	0.102
1277	1e+13	NDD	8.3327	8.5465	0.2138
1357	0	CORRELATION	8.7186	8.6469	-0.0717
1410	0	CORRELATION	8.7732	8.3698	-0.4034
1437	0	CORRELATION	8.5507	8.4774	-0.0733

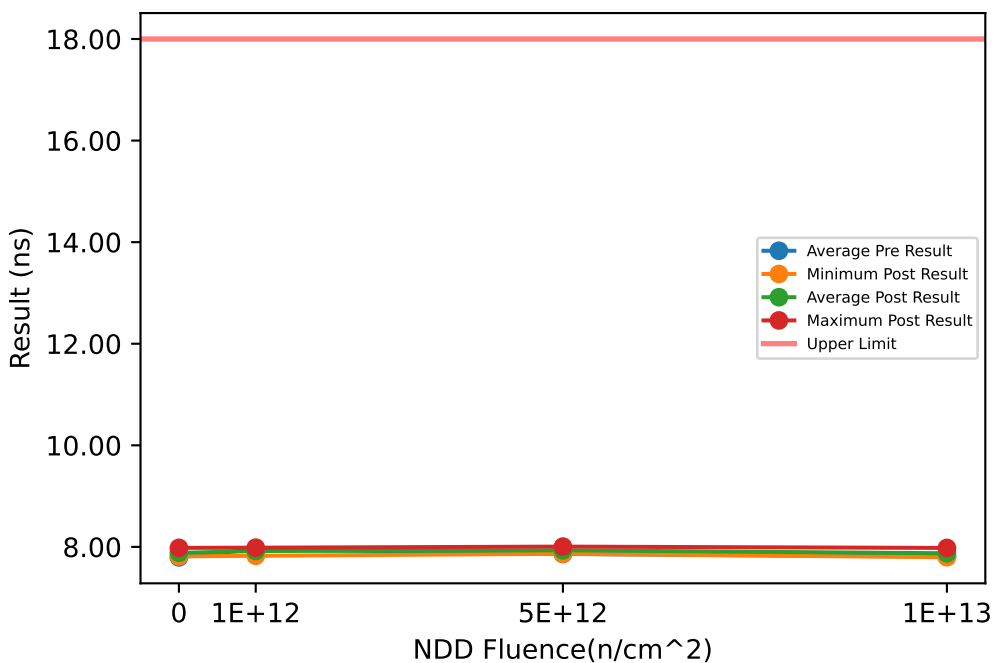
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.2587	8.5753	8.7732	0.23133	8.3607	8.4637	8.6469	0.13314	-0.4034	-0.1116	0.102	0.21121
1e+12	8.4915	8.528	8.6029	0.051116	8.2327	8.3647	8.5316	0.14158	-0.2588	-0.16328	-0.0713	0.098407
5e+12	8.5619	8.6413	8.712	0.063943	8.264	8.4588	8.7107	0.18557	-0.4032	-0.18248	0.1488	0.23567
1e+13	8.3327	8.499	8.7128	0.17456	8.1911	8.4588	8.6851	0.21033	-0.1921	-0.04015	0.2138	0.18333

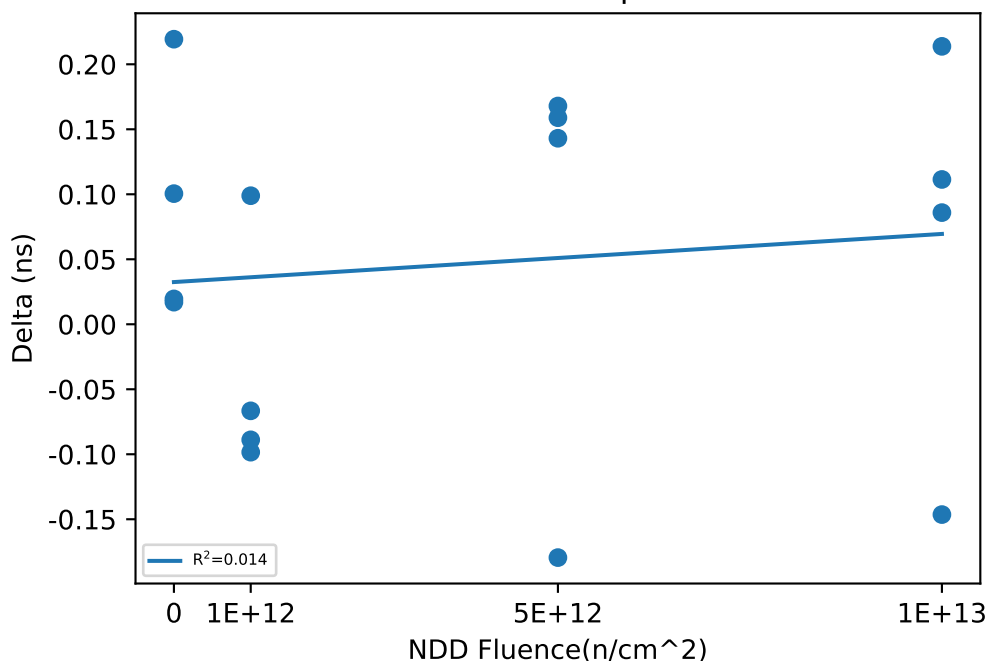
NDD vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	8.0097	7.9113	-0.0984
489	1e+12	NDD	7.7259	7.8248	0.0989
583	1e+12	NDD	8.0215	7.9549	-0.0666
594	1e+12	NDD	8.0736	7.9847	-0.0889
624	5e+12	NDD	7.7961	7.955	0.1589
839	5e+12	NDD	8.0442	7.8647	-0.1795
919	5e+12	NDD	7.838	8.0059	0.1679
938	5e+12	NDD	7.7651	7.9082	0.1431
988	1e+13	NDD	7.759	7.8704	0.1114
1176	1e+13	NDD	7.7658	7.9796	0.2138
1197	1e+13	NDD	7.9993	7.8529	-0.1464
1246	0	CORRELATION	7.7617	7.981	0.2193
1277	1e+13	NDD	7.7111	7.797	0.0859
1357	0	CORRELATION	7.7942	7.8137	0.0195
1410	0	CORRELATION	7.7892	7.8897	0.1005
1437	0	CORRELATION	7.8284	7.8454	0.017

NDD vs Post - Pre Exposure Delta

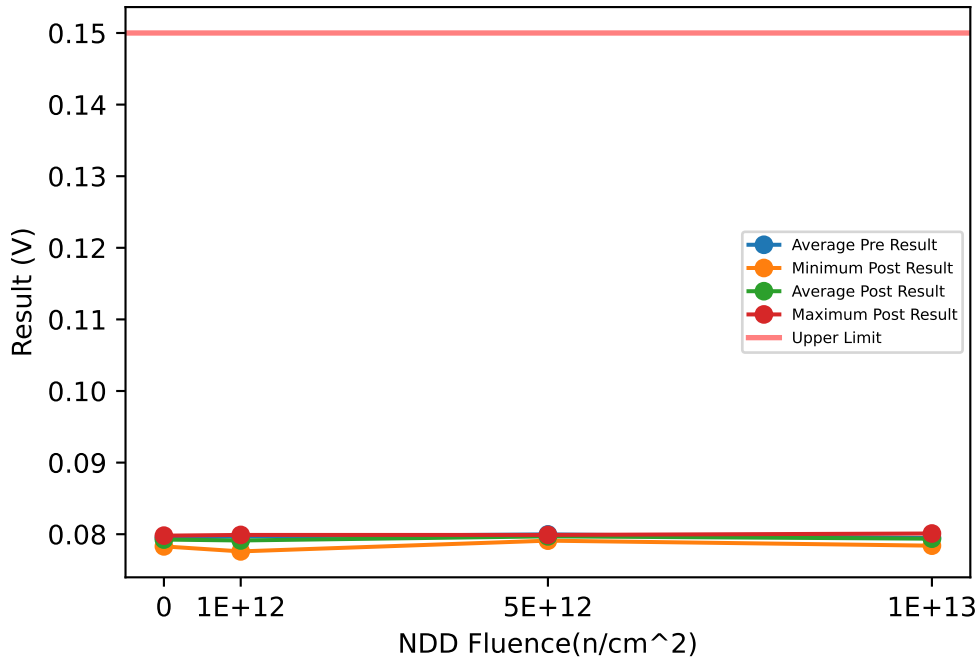


Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.7617	7.7934	7.8284	0.027375	7.8137	7.8825	7.981	0.072718	0.017	0.089075	0.2193	0.095087
1e+12	7.7259	7.9577	8.0736	0.15699	7.8248	7.9189	7.9847	0.069614	-0.0984	-0.03875	0.0989	0.09273
5e+12	7.7651	7.8609	8.0442	0.12583	7.8647	7.9335	8.0059	0.060766	-0.1795	0.0726	0.1679	0.16838
1e+13	7.7111	7.8088	7.9993	0.12931	7.797	7.875	7.9796	0.076452	-0.1464	0.066175	0.2138	0.15211

Device Test: 24.5 LEVEL|LOW_LEVEL/OUTL/12/12/0/0/5/500kHz//@OUT_VOL

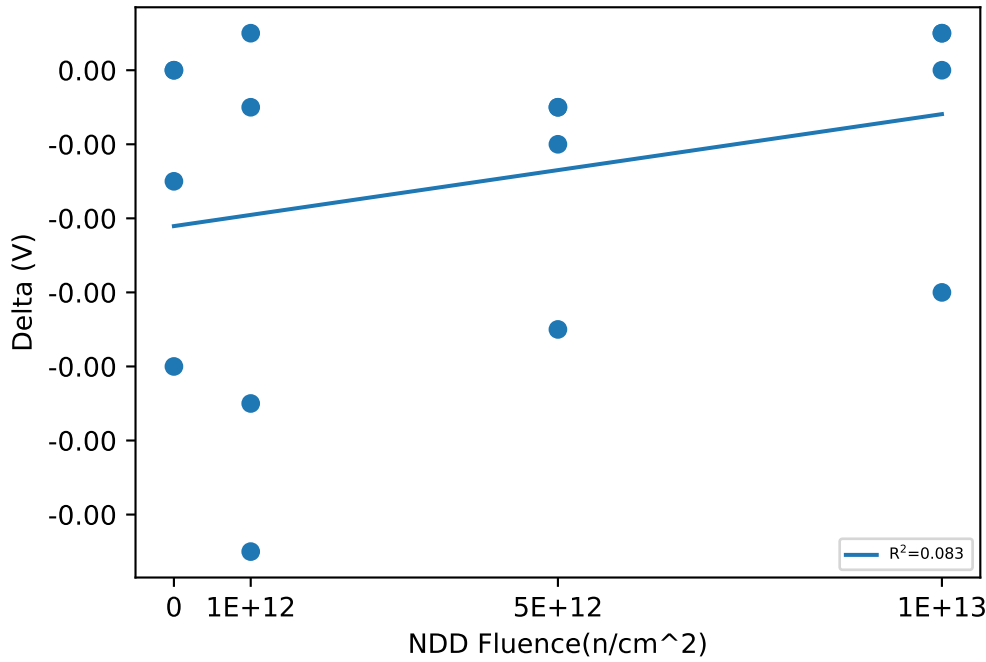
NDD vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.0789	0.0776	-0.0013
489	1e+12	NDD	0.08	0.0799	-0.0001
583	1e+12	NDD	0.0798	0.0799	0.0001
594	1e+12	NDD	0.08	0.0791	-0.0009
624	5e+12	NDD	0.0801	0.0799	-0.0002
839	5e+12	NDD	0.08	0.0799	-0.0001
919	5e+12	NDD	0.08	0.0799	-0.0001
938	5e+12	NDD	0.0798	0.0791	-0.0007
988	1e+13	NDD	0.08	0.0801	0.0001
1176	1e+13	NDD	0.0798	0.0799	0.0001
1197	1e+13	NDD	0.079	0.0784	-0.0006
1246	0	CORRELATION	0.0798	0.0798	0
1277	1e+13	NDD	0.0791	0.0791	0
1357	0	CORRELATION	0.0793	0.0793	0
1410	0	CORRELATION	0.0791	0.0783	-0.0008
1437	0	CORRELATION	0.0799	0.0796	-0.0003

NDD vs Post - Pre Exposure Delta

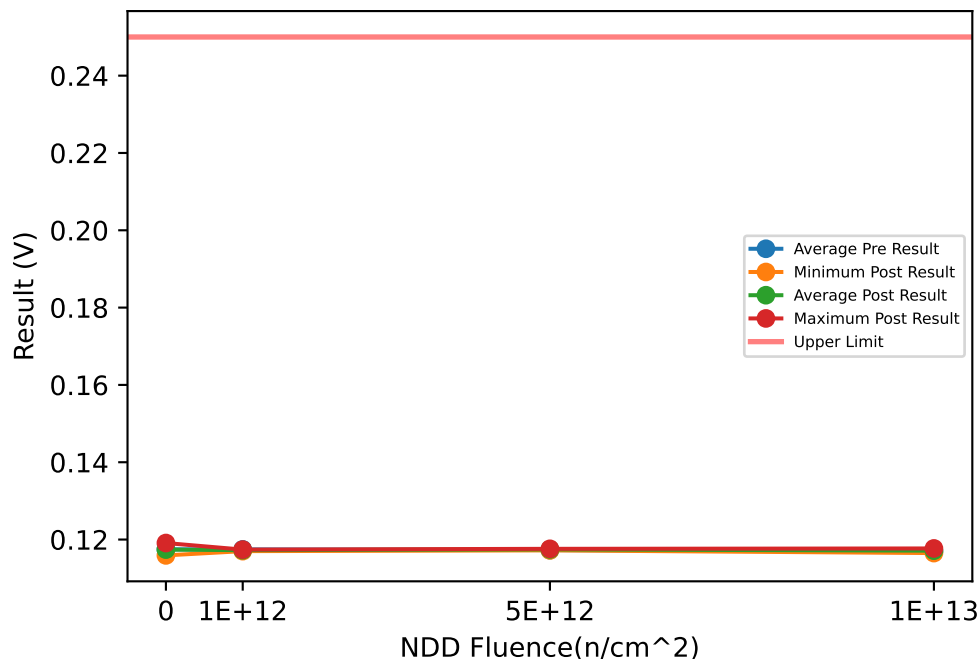


Test Statistics (V)

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	0.0791	0.079525	0.0799	0.00038622	0.0783	0.07925	0.0798	0.00066583	-0.0008	-0.000275	0	0.00037749
1e+12	0.0789	0.079675	0.08	0.0005252	0.0776	0.079125	0.0799	0.0010844	-0.0013	-0.00055	0.0001	0.00066081
5e+12	0.0798	0.079975	0.0801	0.00012583	0.0791	0.0797	0.0799	0.0004	-0.0007	-0.000275	-0.0001	0.00028723
1e+13	0.079	0.079475	0.08	0.00049917	0.0784	0.079375	0.0801	0.00078049	-0.0006	-0.0001	0.0001	0.00033665

Device Test: 24.6 LEVEL|HIGH_LEVEL/OUTH/12/12/0/0/5/500kHz//@OUT_VOH

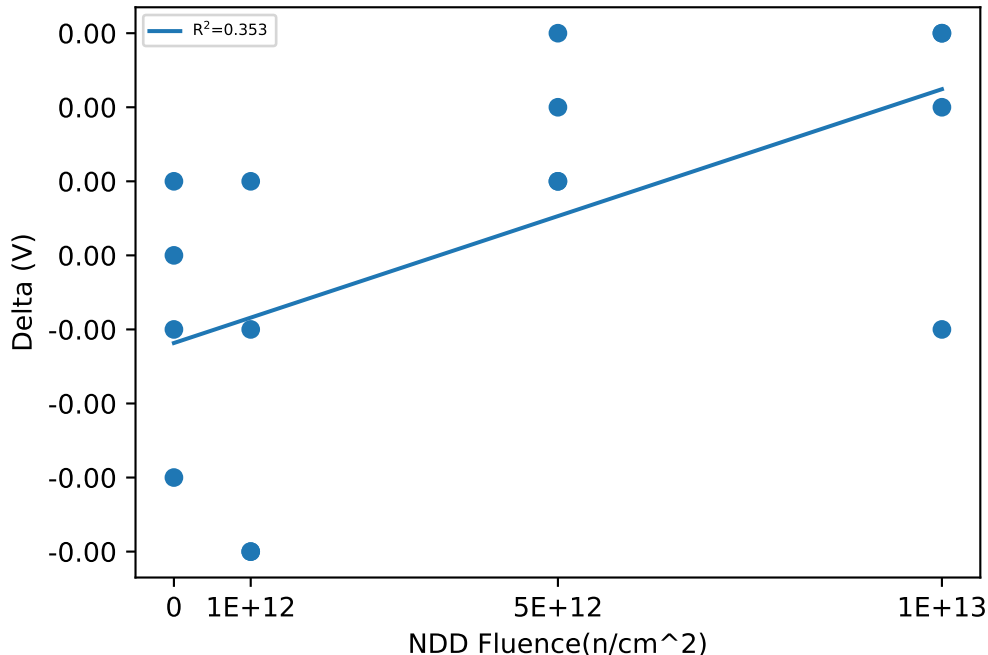
NDD vs Result Stats



Test Results (Upper Limit = 0.25 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.1174	0.117	-0.0004
489	1e+12	NDD	0.1175	0.1174	-0.0001
583	1e+12	NDD	0.1173	0.1174	0.0001
594	1e+12	NDD	0.1176	0.1172	-0.0004
624	5e+12	NDD	0.1173	0.1175	0.0002
839	5e+12	NDD	0.1174	0.1175	0.0001
919	5e+12	NDD	0.1173	0.1176	0.0003
938	5e+12	NDD	0.1171	0.1172	0.0001
988	1e+13	NDD	0.117	0.1173	0.0003
1176	1e+13	NDD	0.1174	0.1177	0.0003
1197	1e+13	NDD	0.1166	0.1165	-0.0001
1246	0	CORRELATION	0.1169	0.117	0.0001
1277	1e+13	NDD	0.1168	0.117	0.0002
1357	0	CORRELATION	0.1177	0.1176	-0.0001
1410	0	CORRELATION	0.1194	0.1191	-0.0003
1437	0	CORRELATION	0.1159	0.1159	0

NDD vs Post - Pre Exposure Delta

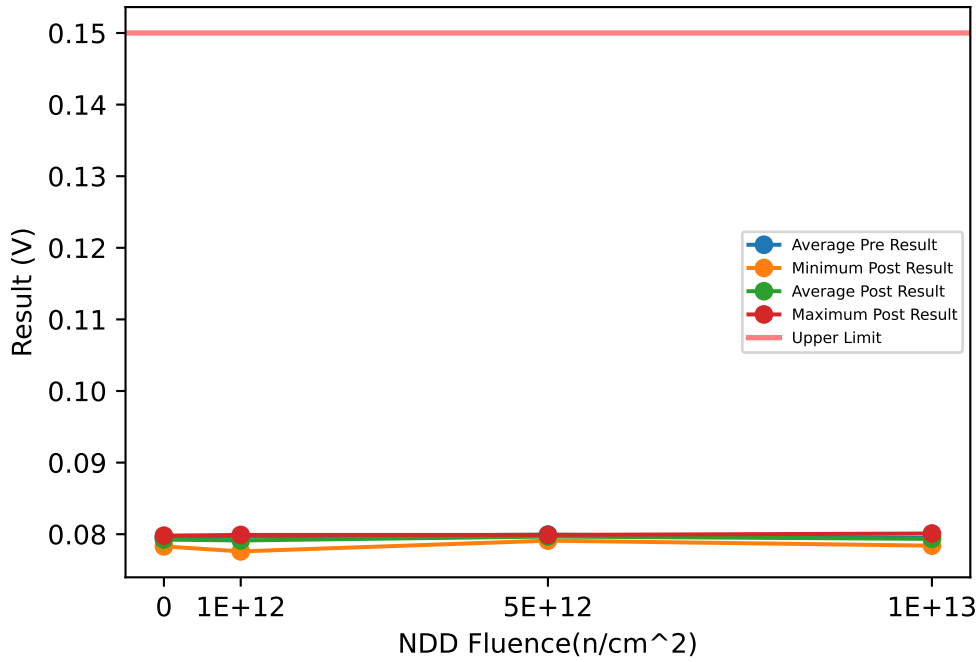


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1159	0.11747	0.1194	0.0014796	0.1159	0.1174	0.1191	0.0013342	-0.0003	-7.5e-05	0.0001	0.00017078
1e+12	0.1173	0.11745	0.1176	0.0001291	0.117	0.11725	0.1174	0.00019149	-0.0004	-0.0002	0.0001	0.00024495
5e+12	0.1171	0.11728	0.1174	0.00012583	0.1172	0.11745	0.1176	0.00017321	0.0001	0.000175	0.0003	9.5743e-05
1e+13	0.1166	0.11695	0.1174	0.00034157	0.1165	0.11713	0.1177	0.0005058	-0.0001	0.000175	0.0003	0.0001893

Device Test: 24.7 LEVEL|LOW_LEVEL/OUTL/14/14/0/0/5/500kHz//@OUT_VOL

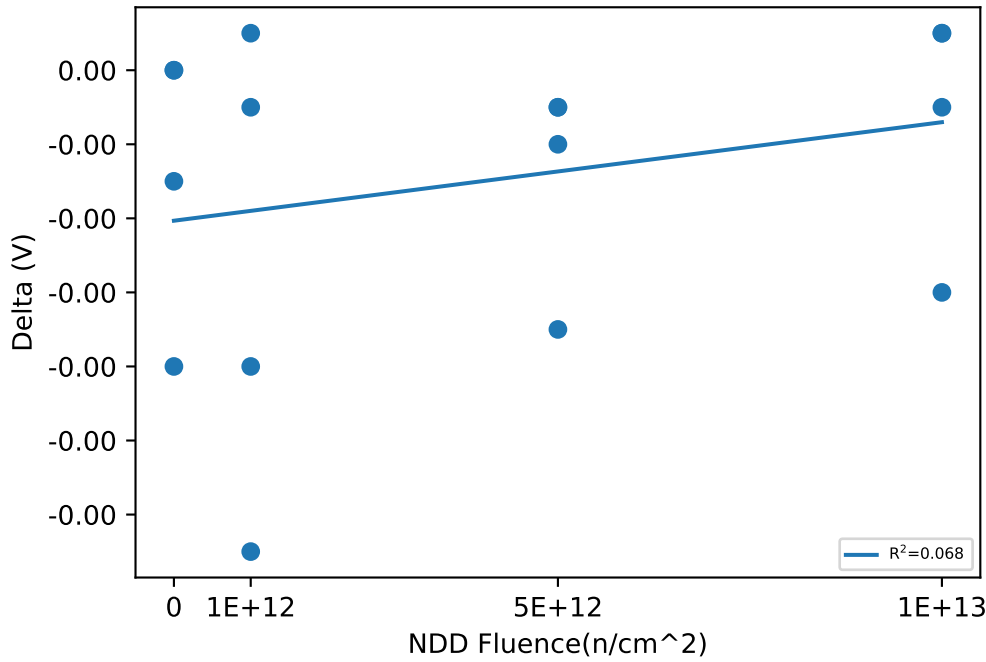
NDD vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.0789	0.0776	-0.0013
489	1e+12	NDD	0.08	0.0799	-0.0001
583	1e+12	NDD	0.0798	0.0799	0.0001
594	1e+12	NDD	0.0799	0.0791	-0.0008
624	5e+12	NDD	0.08	0.0798	-0.0002
839	5e+12	NDD	0.08	0.0799	-0.0001
919	5e+12	NDD	0.08	0.0799	-0.0001
938	5e+12	NDD	0.0798	0.0791	-0.0007
988	1e+13	NDD	0.08	0.0801	0.0001
1176	1e+13	NDD	0.0798	0.0799	0.0001
1197	1e+13	NDD	0.079	0.0784	-0.0006
1246	0	CORRELATION	0.0798	0.0798	0
1277	1e+13	NDD	0.0791	0.079	-0.0001
1357	0	CORRELATION	0.0793	0.0793	0
1410	0	CORRELATION	0.0791	0.0783	-0.0008
1437	0	CORRELATION	0.0799	0.0796	-0.0003

NDD vs Post - Pre Exposure Delta

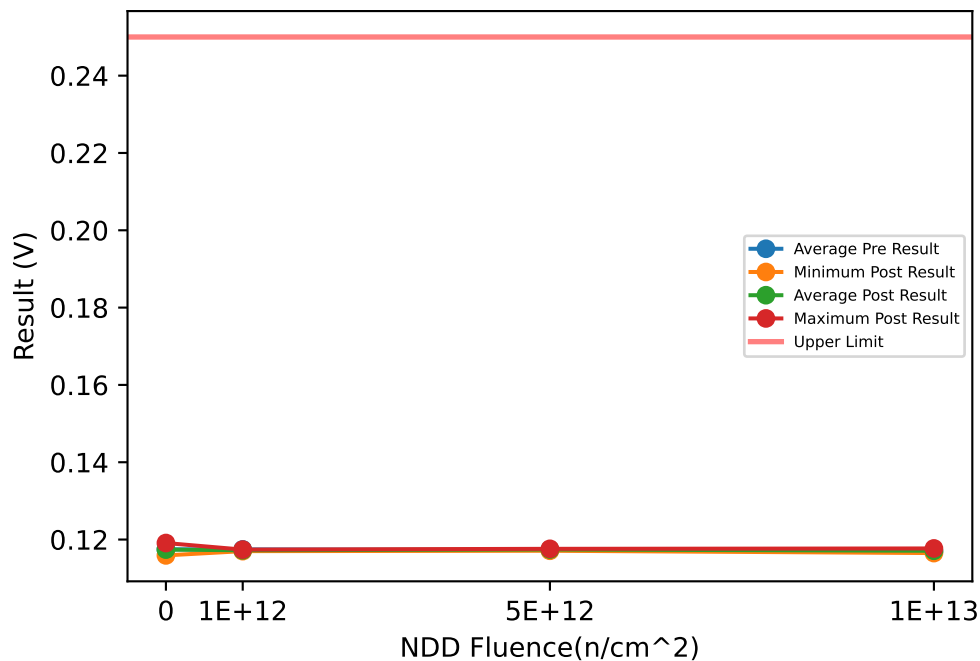


Test Statistics (V)

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	0.0791	0.079525	0.0799	0.00038622	0.0783	0.07925	0.0798	0.00066583	-0.0008	-0.000275	0	0.00037749
1e+12	0.0789	0.07965	0.08	0.00050662	0.0776	0.079125	0.0799	0.0010844	-0.0013	-0.000525	0.0001	0.00064485
5e+12	0.0798	0.07995	0.08	0.0001	0.0791	0.079675	0.0799	0.00038622	-0.0007	-0.000275	-0.0001	0.00028723
1e+13	0.079	0.079475	0.08	0.00049917	0.0784	0.07935	0.0801	0.00079373	-0.0006	-0.000125	0.0001	0.0003304

Device Test: 24.8 LEVEL|HIGH_LEVEL/OUTH/14/14/0/0/5/500kHz//@OUT_VOH

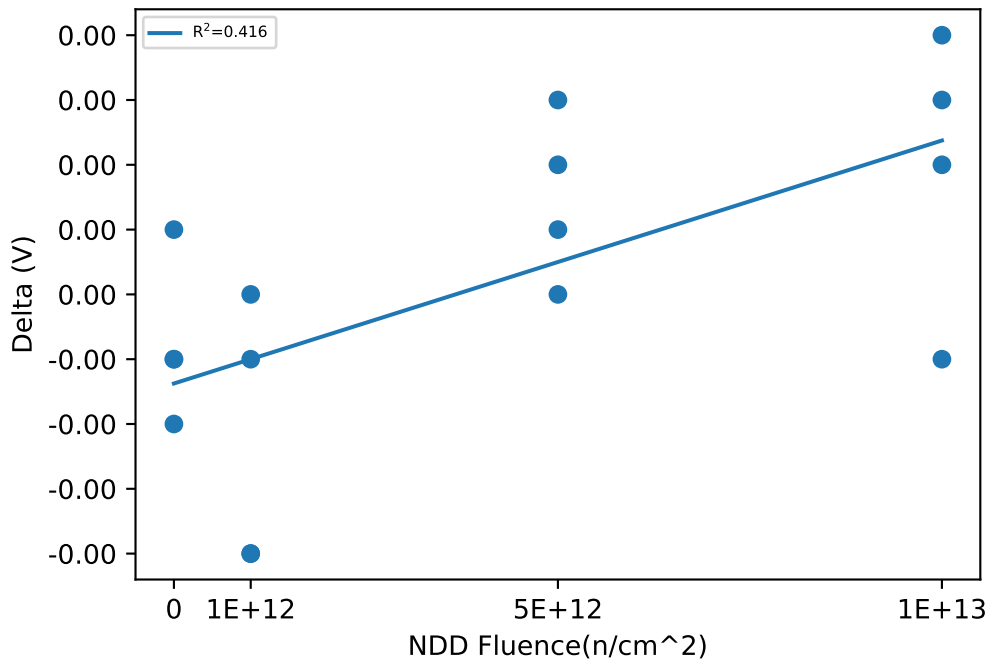
NDD vs Result Stats



Test Results (Upper Limit = 0.25 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	0.1174	0.117	-0.0004
489	1e+12	NDD	0.1175	0.1174	-0.0001
583	1e+12	NDD	0.1173	0.1173	0
594	1e+12	NDD	0.1176	0.1172	-0.0004
624	5e+12	NDD	0.1173	0.1175	0.0002
839	5e+12	NDD	0.1174	0.1175	0.0001
919	5e+12	NDD	0.1173	0.1176	0.0003
938	5e+12	NDD	0.1171	0.1171	0
988	1e+13	NDD	0.117	0.1173	0.0003
1176	1e+13	NDD	0.1173	0.1177	0.0004
1197	1e+13	NDD	0.1166	0.1165	-0.0001
1246	0	CORRELATION	0.1169	0.117	0.0001
1277	1e+13	NDD	0.1167	0.1169	0.0002
1357	0	CORRELATION	0.1177	0.1176	-0.0001
1410	0	CORRELATION	0.1193	0.1191	-0.0002
1437	0	CORRELATION	0.116	0.1159	-0.0001

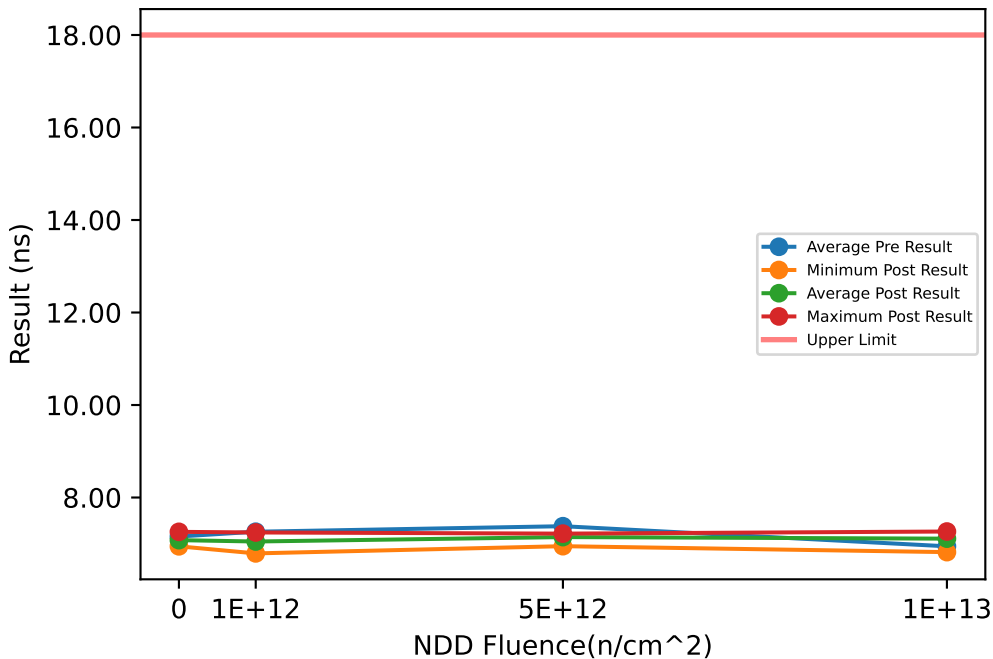
NDD vs Post - Pre Exposure Delta



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	0.116	0.11747	0.1193	0.0014009	0.1159	0.1174	0.1191	0.0013342	-0.0002	-7.5e-05	0.0001	0.00012583
1e+12	0.1173	0.11745	0.1176	0.0001291	0.117	0.11722	0.1174	0.00017078	-0.0004	-0.000225	0	0.00020616
5e+12	0.1171	0.11728	0.1174	0.00012583	0.1171	0.11743	0.1176	0.00022174	0	0.00015	0.0003	0.0001291
1e+13	0.1166	0.1169	0.1173	0.00031623	0.1165	0.1171	0.1177	0.0005164	-0.0001	0.0002	0.0004	0.00021602

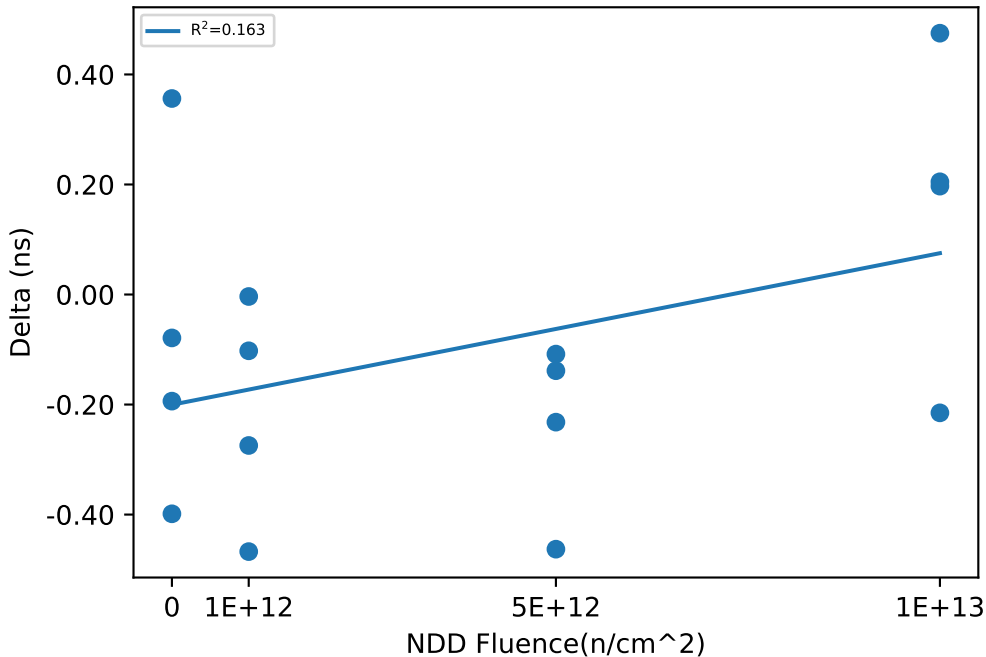
NDD vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	7.2592	6.7919	-0.4673
489	1e+12	NDD	7.248	7.2444	-0.0036
583	1e+12	NDD	7.2641	7.1618	-0.1023
594	1e+12	NDD	7.2717	6.9973	-0.2744
624	5e+12	NDD	7.3524	7.2139	-0.1385
839	5e+12	NDD	7.3277	7.2194	-0.1083
919	5e+12	NDD	7.429	7.197	-0.232
938	5e+12	NDD	7.4108	6.9479	-0.4629
988	1e+13	NDD	7.06	7.2649	0.2049
1176	1e+13	NDD	6.7276	7.2026	0.475
1197	1e+13	NDD	7.0344	6.8193	-0.2151
1246	0	CORRELATION	7.0786	6.9997	-0.0789
1277	1e+13	NDD	6.9592	7.1562	0.197
1357	0	CORRELATION	6.9017	7.258	0.3563
1410	0	CORRELATION	7.5092	7.1106	-0.3986
1437	0	CORRELATION	7.1385	6.9447	-0.1938

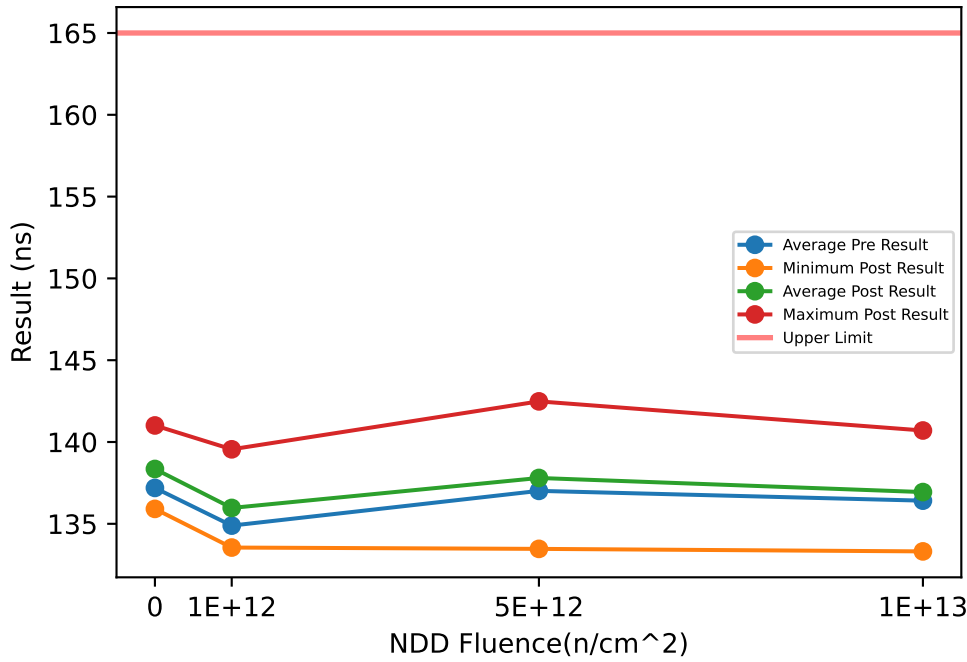
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.9017	7.157	7.5092	0.25542	6.9447	7.0782	7.258	0.13828	-0.3986	-0.07875	0.3563	0.31875
1e+12	7.248	7.2607	7.2717	0.0099346	6.7919	7.0488	7.2444	0.19973	-0.4673	-0.2119	-0.0036	0.20375
5e+12	7.3277	7.38	7.429	0.047773	6.9479	7.1445	7.2194	0.13145	-0.4629	-0.23543	-0.1083	0.16053
1e+13	6.7276	6.9453	7.06	0.15131	6.8193	7.1108	7.2649	0.19934	-0.2151	0.16545	0.475	0.28472

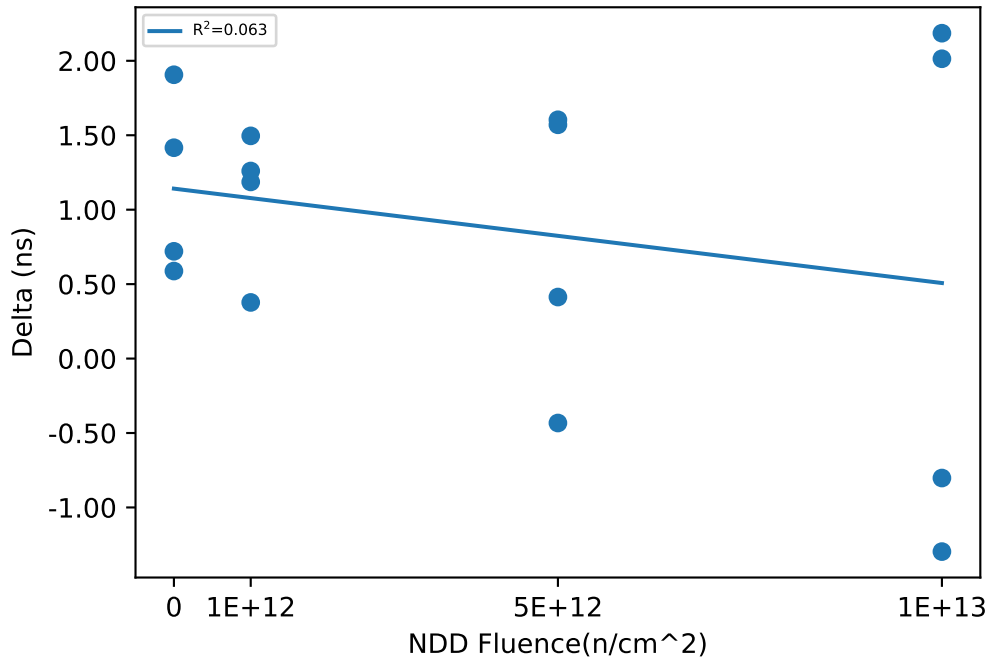
NDD vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	134.48	134.86	0.3771
489	1e+12	NDD	132.36	133.55	1.1865
583	1e+12	NDD	134.42	135.92	1.4958
594	1e+12	NDD	138.29	139.55	1.2598
624	5e+12	NDD	132.42	133.99	1.5702
839	5e+12	NDD	140.85	141.27	0.4133
919	5e+12	NDD	140.88	142.48	1.6038
938	5e+12	NDD	133.9	133.47	-0.4328
988	1e+13	NDD	140.15	139.34	-0.8024
1176	1e+13	NDD	138.69	140.7	2.0137
1197	1e+13	NDD	134.61	133.31	-1.2965
1246	0	CORRELATION	139.11	141.01	1.9063
1277	1e+13	NDD	132.21	134.4	2.1854
1357	0	CORRELATION	134.62	136.04	1.4162
1410	0	CORRELATION	139.86	140.45	0.5879
1437	0	CORRELATION	135.19	135.91	0.7204

NDD vs Post - Pre Exposure Delta

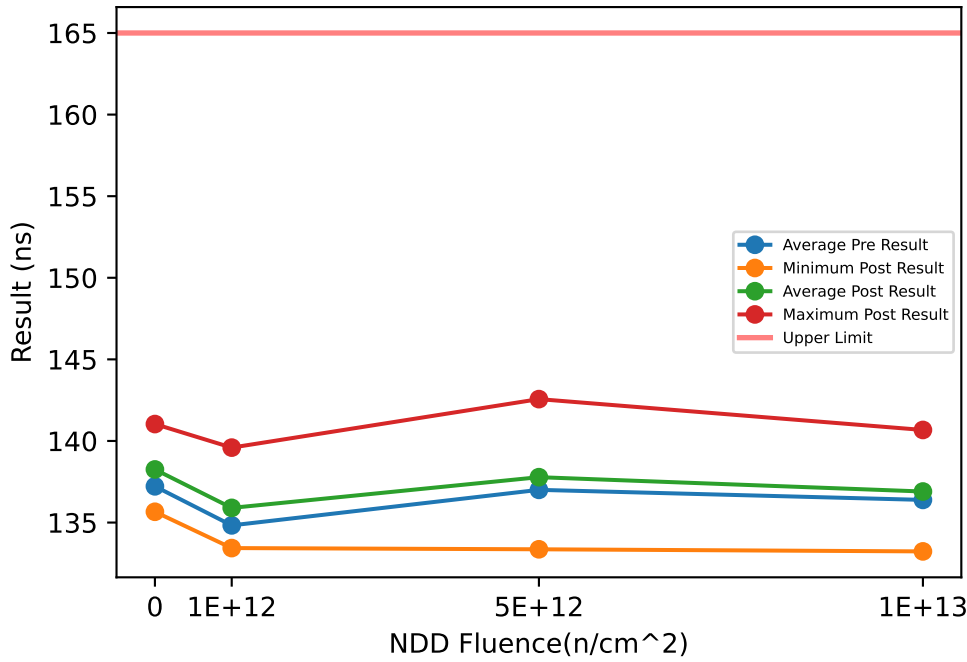


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	134.62	137.19	139.86	2.6696	135.91	138.35	141.01	2.755	0.5879	1.1577	1.9063	0.61729
1e+12	132.36	134.89	138.29	2.4738	133.55	135.97	139.55	2.5784	0.3771	1.0798	1.4958	0.4867
5e+12	132.42	137.01	140.88	4.4903	133.47	137.8	142.48	4.7343	-0.4328	0.78862	1.6038	0.98457
1e+13	132.21	136.41	140.15	3.6517	133.31	136.94	140.7	3.6309	-1.2965	0.52505	2.1854	1.8306

Device Test: 26.4 TIMING|MIN/OUT/14/14/0/0/5/500kHz//@TON_MIN

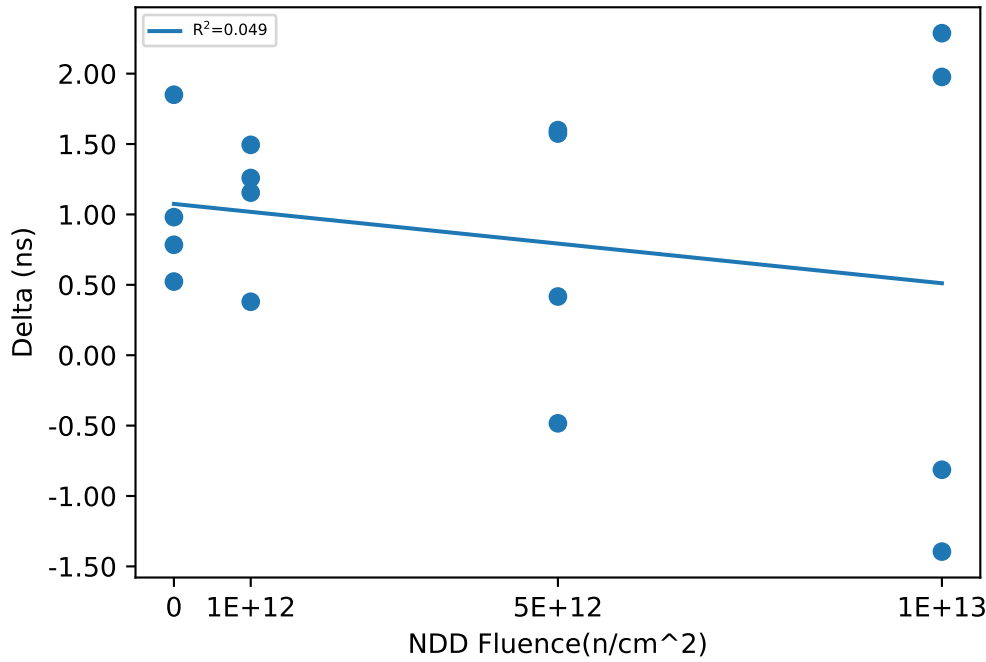
NDD vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	134.39	134.77	0.3797
489	1e+12	NDD	132.28	133.44	1.1548
583	1e+12	NDD	134.31	135.8	1.4942
594	1e+12	NDD	138.33	139.59	1.2588
624	5e+12	NDD	132.28	133.85	1.5744
839	5e+12	NDD	140.93	141.34	0.417
919	5e+12	NDD	140.97	142.56	1.5988
938	5e+12	NDD	133.85	133.36	-0.4837
988	1e+13	NDD	140.1	139.29	-0.8136
1176	1e+13	NDD	138.7	140.67	1.9766
1197	1e+13	NDD	134.63	133.23	-1.3949
1246	0	CORRELATION	139.19	141.04	1.8501
1277	1e+13	NDD	132.12	134.41	2.2873
1357	0	CORRELATION	134.68	135.66	0.9808
1410	0	CORRELATION	139.93	140.45	0.5232
1437	0	CORRELATION	135.08	135.87	0.7844

NDD vs Post - Pre Exposure Delta

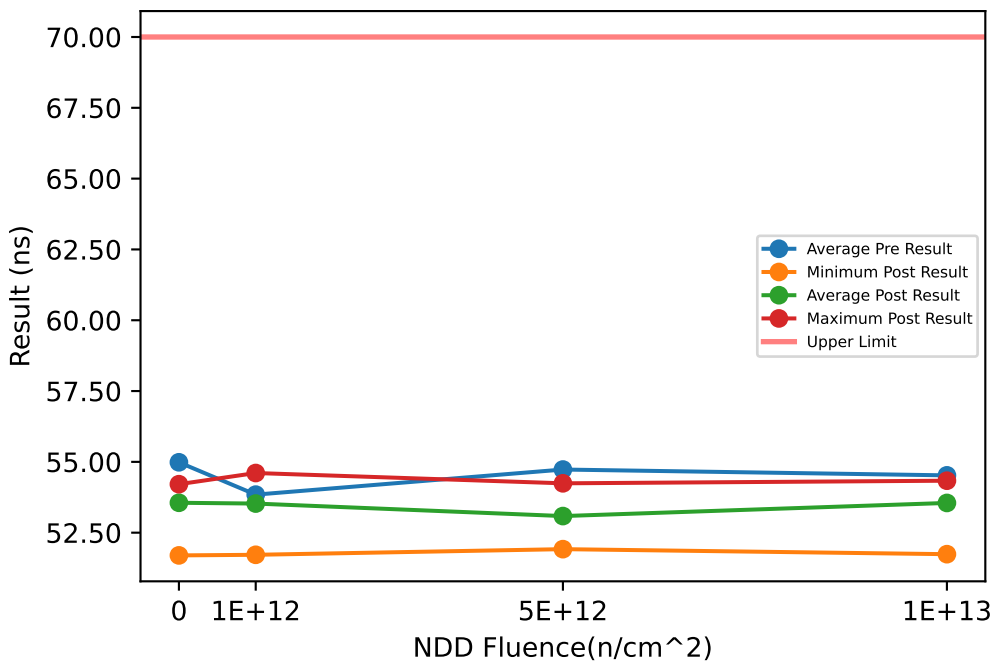


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	134.68	137.22	139.93	2.7215	135.66	138.25	141.04	2.8861	0.5232	1.0346	1.8501	0.57505
1e+12	132.28	134.83	138.33	2.5323	133.44	135.9	139.59	2.6455	0.3797	1.0719	1.4942	0.4828
5e+12	132.28	137	140.97	4.5963	133.36	137.78	142.56	4.8485	-0.4837	0.77662	1.5988	1.005
1e+13	132.12	136.39	140.1	3.6708	133.23	136.9	140.67	3.6334	-1.3949	0.51385	2.2873	1.8877

Device Test: 26.5 TIMING|EXT/OUT/14/14/0/0/5/500kHz//@T_OFF_EXTENDER

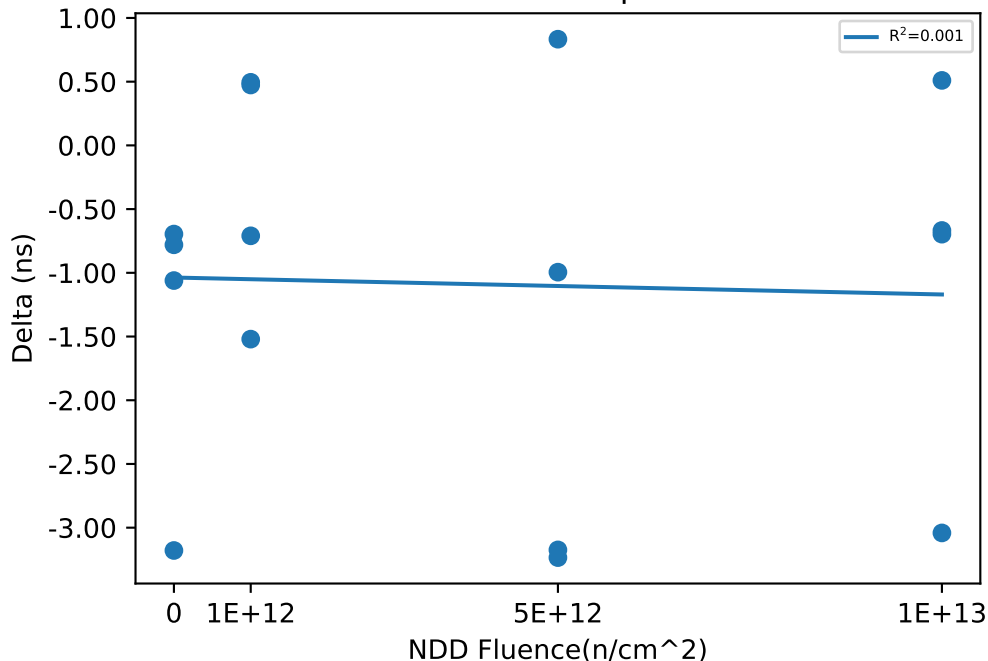
NDD vs Result Stats



Test Results (Upper Limit = 70.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	53.398	53.893	0.495
489	1e+12	NDD	55.316	54.606	-0.7097
583	1e+12	NDD	53.239	51.719	-1.5204
594	1e+12	NDD	53.42	53.894	0.4739
624	5e+12	NDD	55.093	51.918	-3.1744
839	5e+12	NDD	53.281	54.114	0.8333
919	5e+12	NDD	55.305	52.071	-3.2348
938	5e+12	NDD	55.238	54.243	-0.9949
988	1e+13	NDD	54.986	54.289	-0.6967
1176	1e+13	NDD	54.782	51.741	-3.0412
1197	1e+13	NDD	53.324	53.834	0.51
1246	0	CORRELATION	54.877	51.698	-3.179
1277	1e+13	NDD	55.002	54.335	-0.6677
1357	0	CORRELATION	54.992	54.212	-0.7801
1410	0	CORRELATION	55.26	54.199	-1.0607
1437	0	CORRELATION	54.811	54.115	-0.6959

NDD vs Post - Pre Exposure Delta

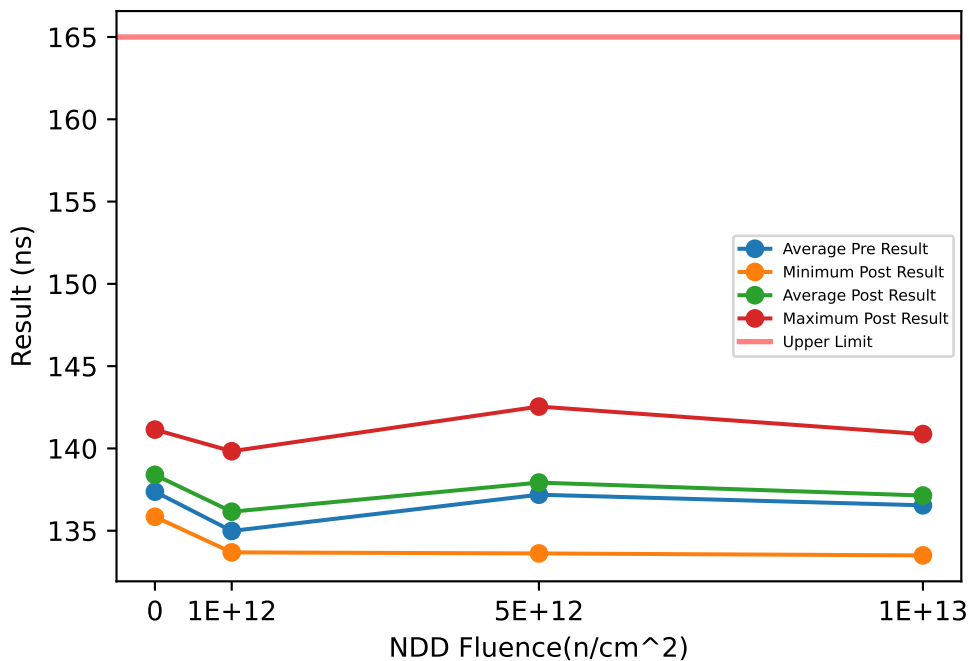


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	54.811	54.985	55.26	0.19809	51.698	53.556	54.212	1.2394	-3.179	-1.4289	-0.6959	1.1771
1e+12	53.239	53.843	55.316	0.98504	51.719	53.528	54.606	1.2519	-1.5204	-0.3153	0.495	0.98103
5e+12	53.281	54.729	55.305	0.96945	51.918	53.086	54.243	1.2636	-3.2348	-1.6427	0.8333	1.952
1e+13	53.324	54.524	55.002	0.80585	51.741	53.55	54.335	1.2269	-3.0412	-0.9739	0.51	1.4884

Device Test: 26.7 TIMING|MIN/OUT/8/8/0/0/5/500kHz//@TON_MIN

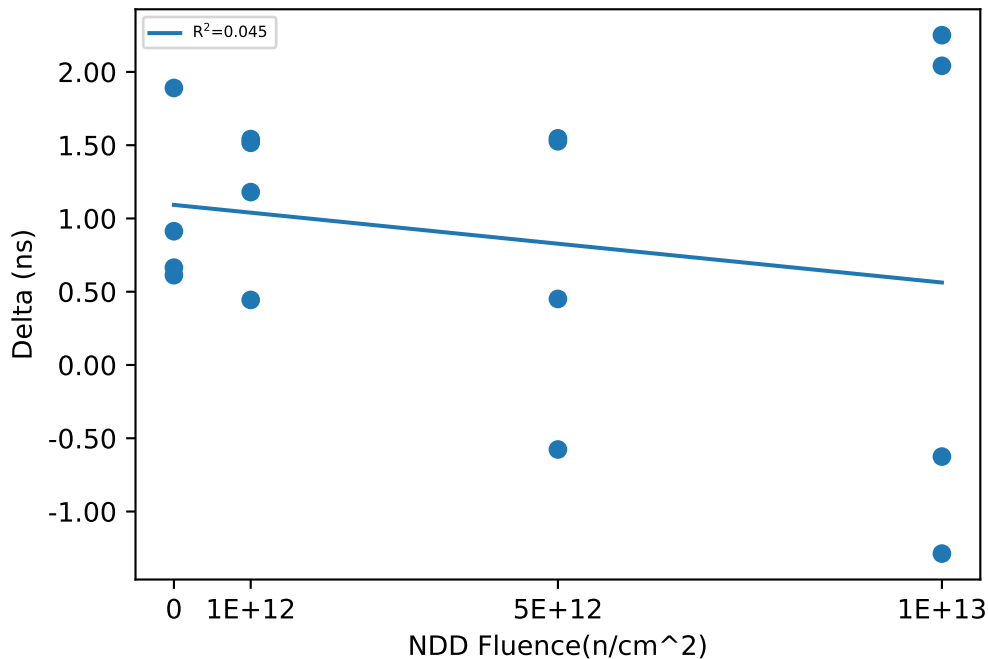
NDD vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	134.55	135	0.4441
489	1e+12	NDD	132.5	133.68	1.18
583	1e+12	NDD	134.57	136.11	1.5418
594	1e+12	NDD	138.31	139.83	1.5164
624	5e+12	NDD	132.66	134.18	1.5268
839	5e+12	NDD	140.9	141.35	0.4507
919	5e+12	NDD	141	142.54	1.5469
938	5e+12	NDD	134.2	133.62	-0.5768
988	1e+13	NDD	140.22	139.59	-0.6251
1176	1e+13	NDD	138.83	140.87	2.0418
1197	1e+13	NDD	134.79	133.5	-1.2872
1246	0	CORRELATION	139.25	141.14	1.8905
1277	1e+13	NDD	132.33	134.58	2.2507
1357	0	CORRELATION	134.94	135.85	0.9129
1410	0	CORRELATION	139.95	140.56	0.6129
1437	0	CORRELATION	135.36	136.03	0.6643

NDD vs Post - Pre Exposure Delta

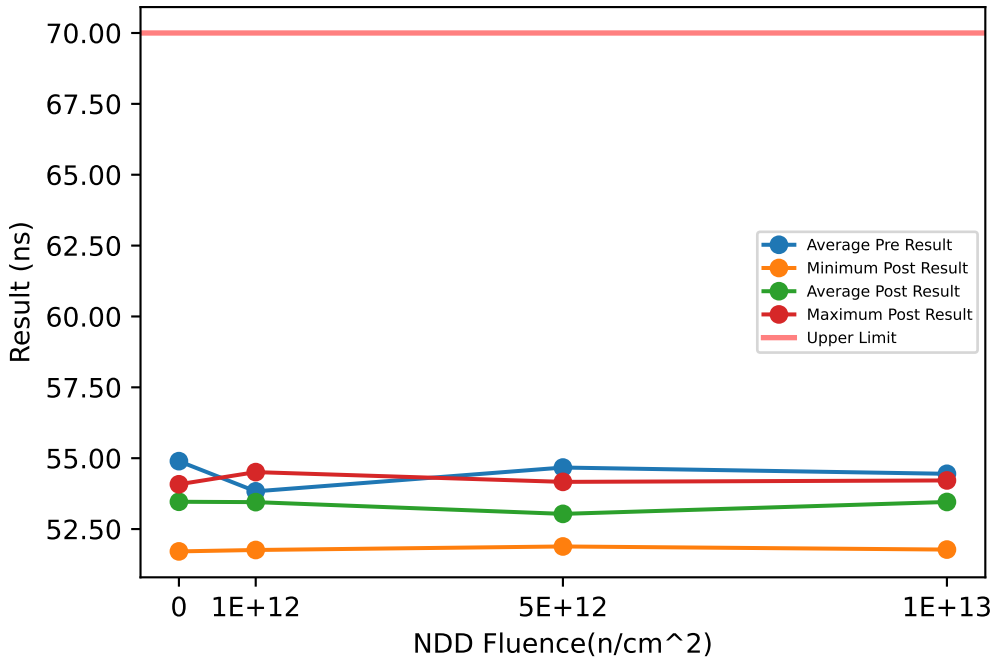


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	134.94	137.38	139.95	2.5912	135.85	138.4	141.14	2.848	0.6129	1.0201	1.8905	0.59484
1e+12	132.5	134.99	138.31	2.4218	133.68	136.16	139.83	2.6427	0.4441	1.1706	1.5418	0.51162
5e+12	132.66	137.19	141	4.3895	133.62	137.93	142.54	4.6774	-0.5768	0.7369	1.5469	1.0145
1e+13	132.33	136.54	140.22	3.6309	133.5	137.14	140.87	3.6393	-1.2872	0.59505	2.2507	1.8135

Device Test: 26.8 TIMING|EXT/OUT/8/8/0/0/5/500kHz//@T_OFF_EXTENDER

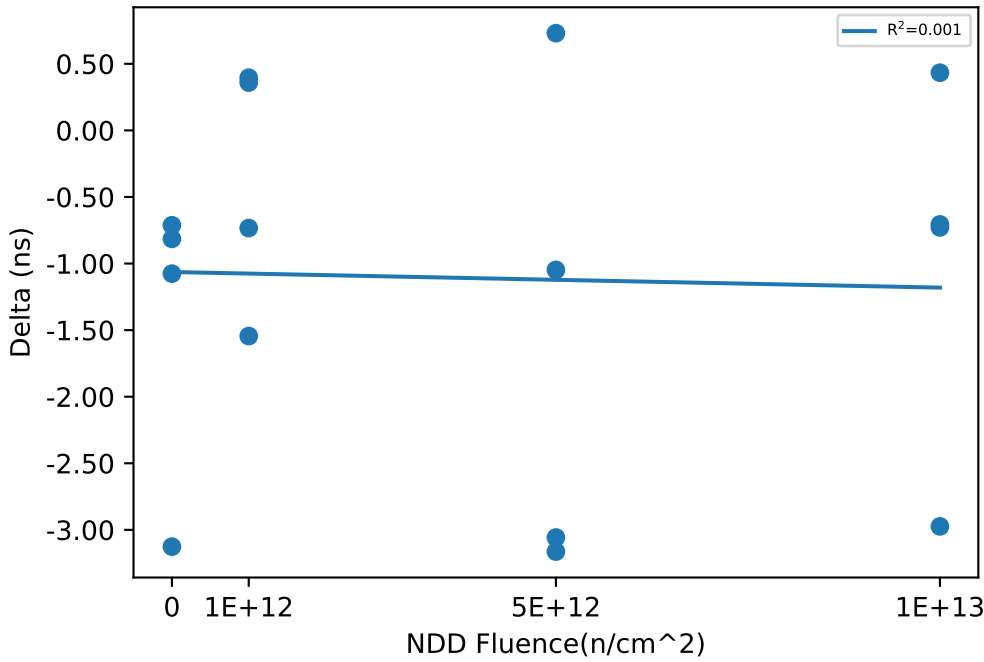
NDD vs Result Stats



Test Results (Upper Limit = 70.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	53.375	53.77	0.3958
489	1e+12	NDD	55.243	54.509	-0.7335
583	1e+12	NDD	53.306	51.762	-1.5446
594	1e+12	NDD	53.401	53.76	0.3593
624	5e+12	NDD	54.944	51.886	-3.0578
839	5e+12	NDD	53.347	54.077	0.73
919	5e+12	NDD	55.178	52.014	-3.1633
938	5e+12	NDD	55.213	54.165	-1.0478
988	1e+13	NDD	54.857	54.129	-0.7288
1176	1e+13	NDD	54.751	51.777	-2.974
1197	1e+13	NDD	53.269	53.702	0.4333
1246	0	CORRELATION	54.838	51.712	-3.1261
1277	1e+13	NDD	54.922	54.216	-0.7059
1357	0	CORRELATION	54.895	54.08	-0.8149
1410	0	CORRELATION	55.12	54.044	-1.0759
1437	0	CORRELATION	54.728	54.016	-0.7123

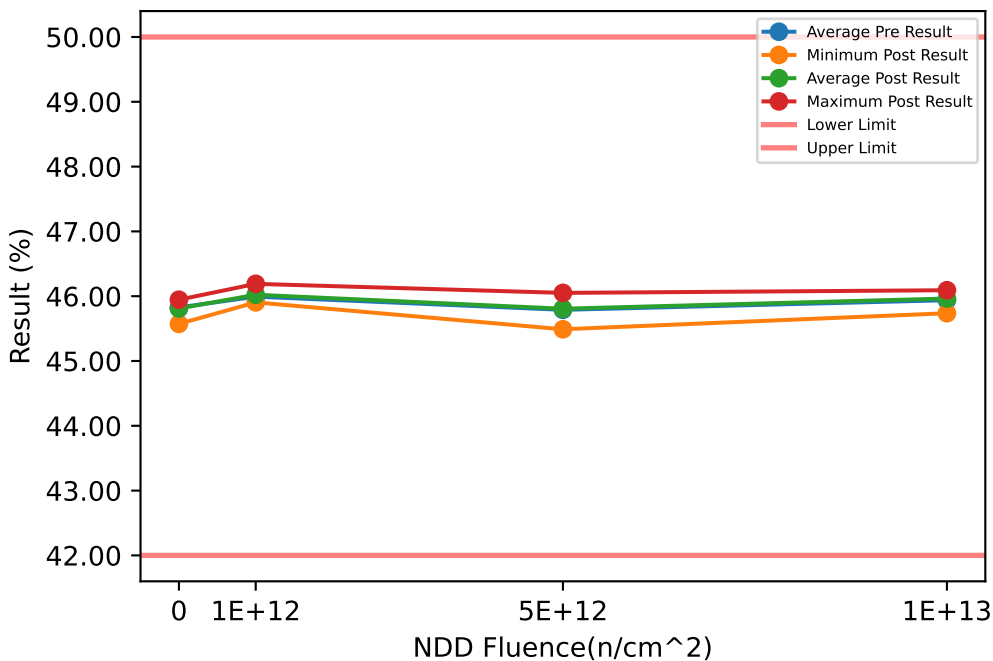
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	54.728	54.895	55.12	0.16496	51.712	53.463	54.08	1.1676	-3.1261	-1.4323	-0.7123	1.1395
1e+12	53.306	53.831	55.243	0.94195	51.762	53.45	54.509	1.1792	-1.5446	-0.38075	0.3958	0.93625
5e+12	53.347	54.671	55.213	0.89009	51.886	53.036	54.165	1.2549	-3.1633	-1.6347	0.73	1.8528
1e+13	53.269	54.45	54.922	0.79028	51.777	53.456	54.216	1.1417	-2.974	-0.99385	0.4333	1.4272

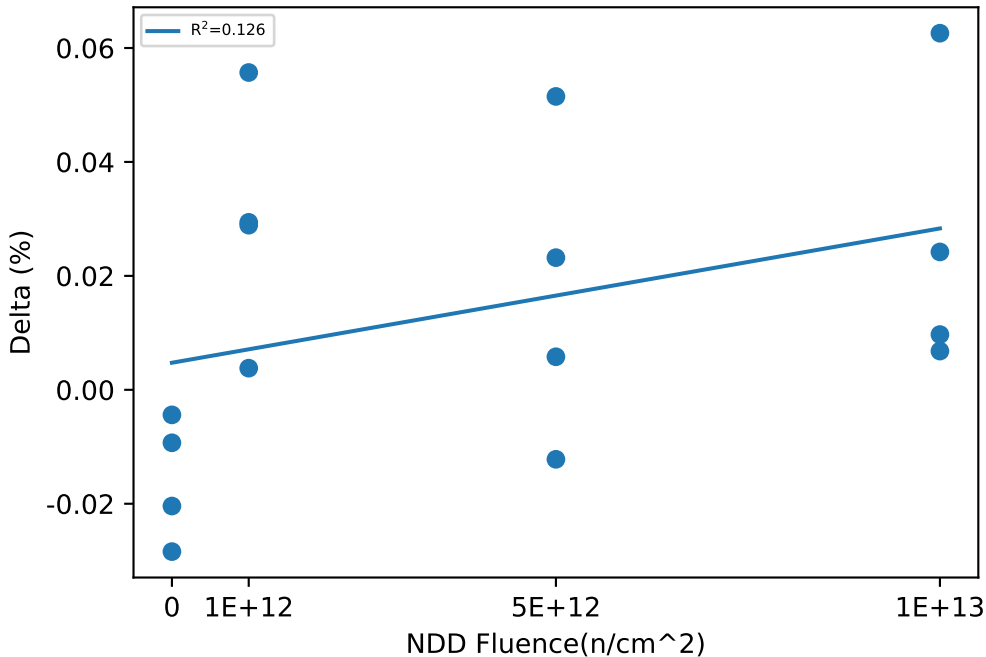
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.901	45.905	0.0038
489	1e+12	NDD	45.877	45.933	0.0557
583	1e+12	NDD	46.161	46.19	0.0294
594	1e+12	NDD	46.033	46.062	0.0289
624	5e+12	NDD	46.045	46.051	0.0058
839	5e+12	NDD	45.466	45.489	0.0232
919	5e+12	NDD	45.728	45.779	0.0515
938	5e+12	NDD	45.919	45.907	-0.0122
988	1e+13	NDD	45.73	45.737	0.0068
1176	1e+13	NDD	46.082	46.092	0.0097
1197	1e+13	NDD	45.978	46.002	0.0242
1246	0	CORRELATION	45.854	45.85	-0.0044
1277	1e+13	NDD	45.961	46.024	0.0626
1357	0	CORRELATION	45.894	45.874	-0.0204
1410	0	CORRELATION	45.955	45.946	-0.0093
1437	0	CORRELATION	45.601	45.573	-0.0284

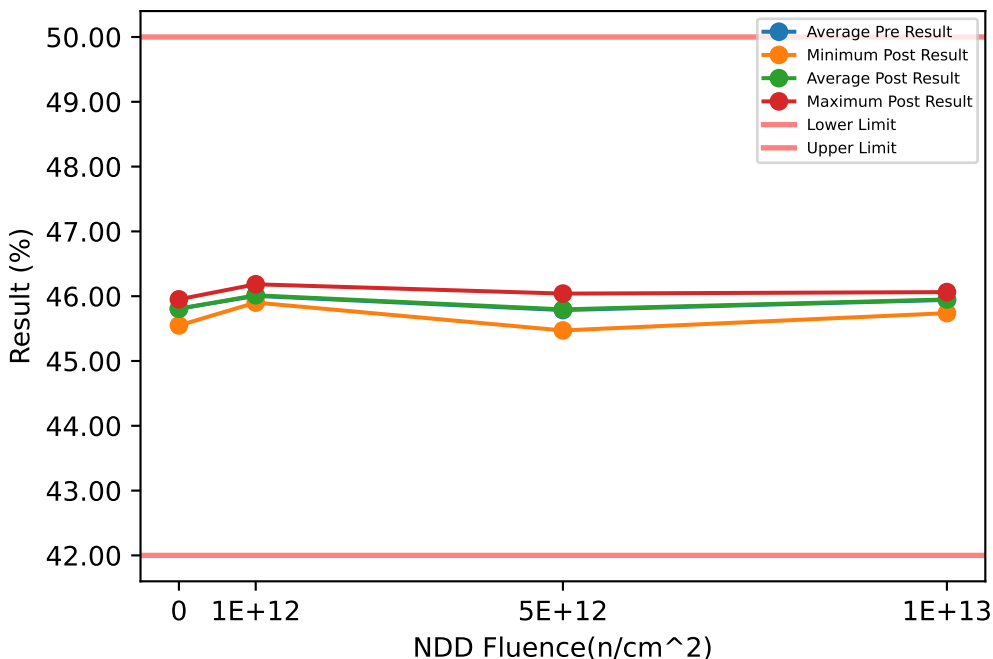
NDD vs Post - Pre Exposure Delta



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	45.601	45.826	45.955	0.15559	45.573	45.81	45.946	0.16364	-0.0284	-0.015625	-0.0044	0.010832
1e+12	45.877	45.993	46.161	0.1313	45.905	46.023	46.19	0.13123	0.0038	0.02945	0.0557	0.021192
5e+12	45.466	45.79	46.045	0.252	45.489	45.807	46.051	0.23886	-0.0122	0.017075	0.0515	0.027122
1e+13	45.73	45.938	46.082	0.14836	45.737	45.964	46.092	0.15581	0.0068	0.025825	0.0626	0.025671

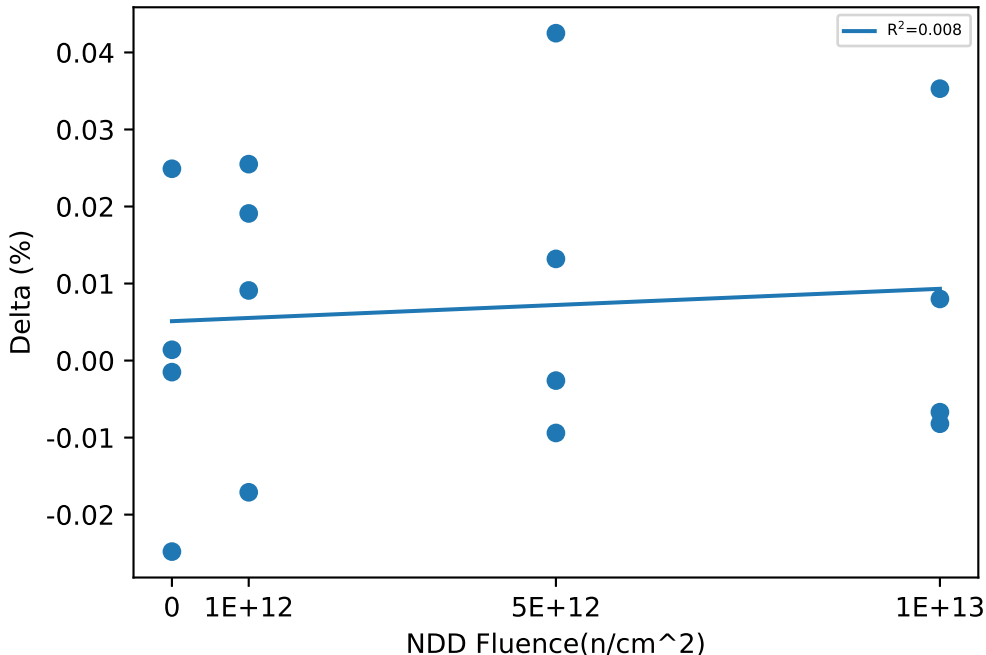
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.919	45.902	-0.0171
489	1e+12	NDD	45.893	45.919	0.0255
583	1e+12	NDD	46.165	46.184	0.0191
594	1e+12	NDD	46.043	46.052	0.0091
624	5e+12	NDD	45.998	46.04	0.0425
839	5e+12	NDD	45.458	45.471	0.0132
919	5e+12	NDD	45.78	45.771	-0.0094
938	5e+12	NDD	45.907	45.904	-0.0026
988	1e+13	NDD	45.731	45.739	0.008
1176	1e+13	NDD	46.071	46.063	-0.0082
1197	1e+13	NDD	46.002	45.996	-0.0067
1246	0	CORRELATION	45.835	45.86	0.0249
1277	1e+13	NDD	45.967	46.002	0.0353
1357	0	CORRELATION	45.868	45.867	-0.0015
1410	0	CORRELATION	45.95	45.951	0.0014
1437	0	CORRELATION	45.573	45.548	-0.0248

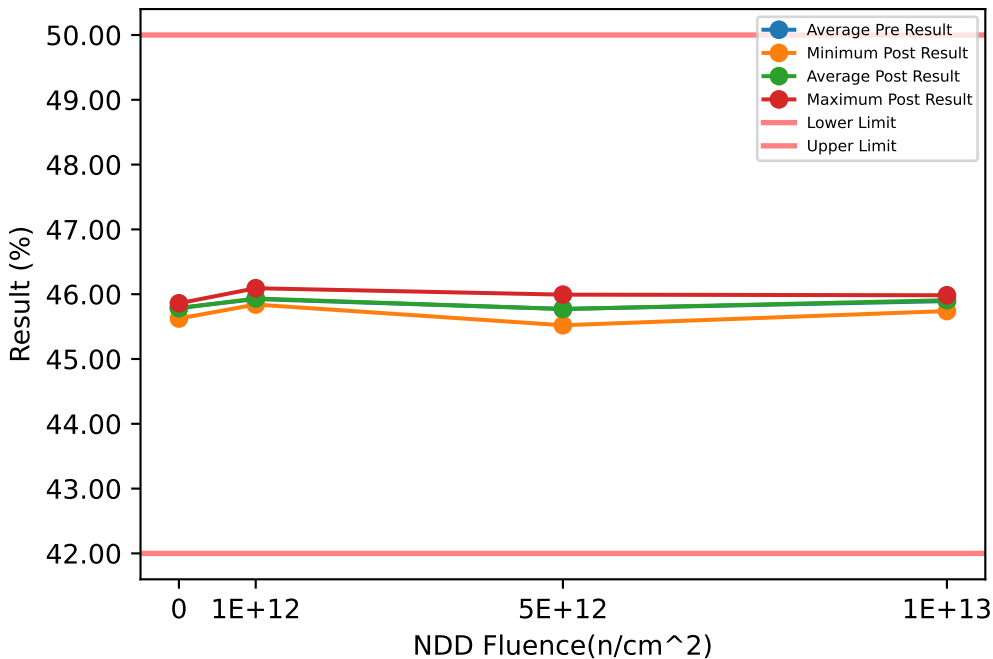
NDD vs Post - Pre Exposure Delta



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	45.573	45.807	45.95	0.16285	45.548	45.807	45.951	0.17701	-0.0248	-1.7764e-15	0.0249	0.020325
1e+12	45.893	46.005	46.165	0.12502	45.902	46.014	46.184	0.13165	-0.0171	0.00915	0.0255	0.018756
5e+12	45.458	45.786	45.998	0.23599	45.471	45.797	46.04	0.24325	-0.0094	0.010925	0.0425	0.023081
1e+13	45.731	45.943	46.071	0.14797	45.739	45.95	46.063	0.14411	-0.0082	0.0071	0.0353	0.020171

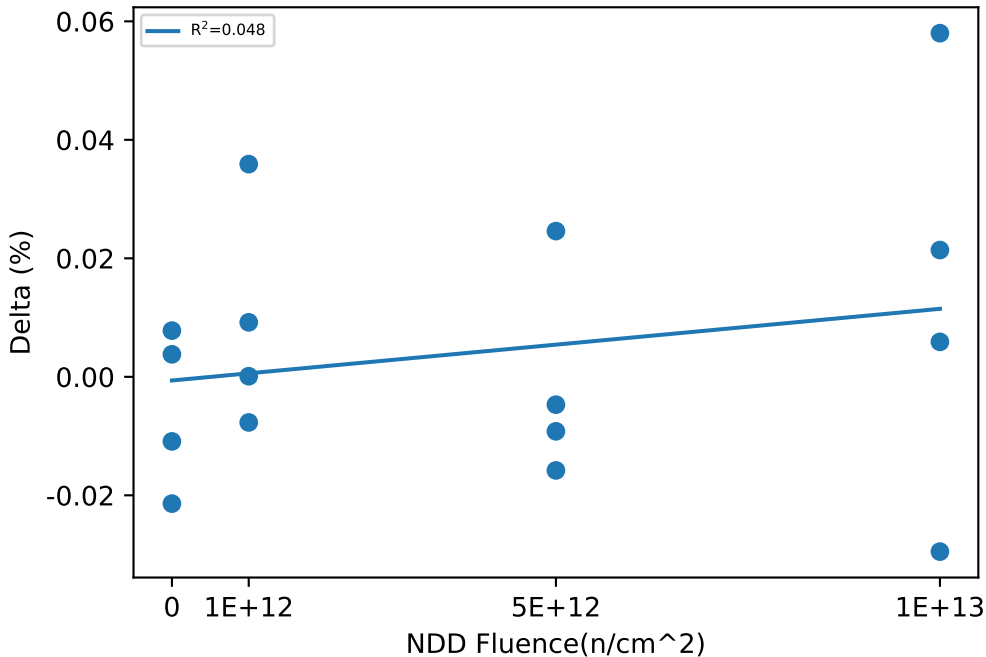
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.848	45.84	-0.0077
489	1e+12	NDD	45.842	45.878	0.0359
583	1e+12	NDD	46.083	46.092	0.0092
594	1e+12	NDD	45.926	45.926	0.0001
624	5e+12	NDD	45.998	45.993	-0.0047
839	5e+12	NDD	45.496	45.521	0.0246
919	5e+12	NDD	45.72	45.711	-0.0092
938	5e+12	NDD	45.876	45.86	-0.0158
988	1e+13	NDD	45.718	45.74	0.0214
1176	1e+13	NDD	45.994	45.964	-0.0295
1197	1e+13	NDD	45.936	45.942	0.0059
1246	0	CORRELATION	45.795	45.799	0.0038
1277	1e+13	NDD	45.926	45.984	0.058
1357	0	CORRELATION	45.859	45.848	-0.0109
1410	0	CORRELATION	45.881	45.86	-0.0214
1437	0	CORRELATION	45.617	45.624	0.0078

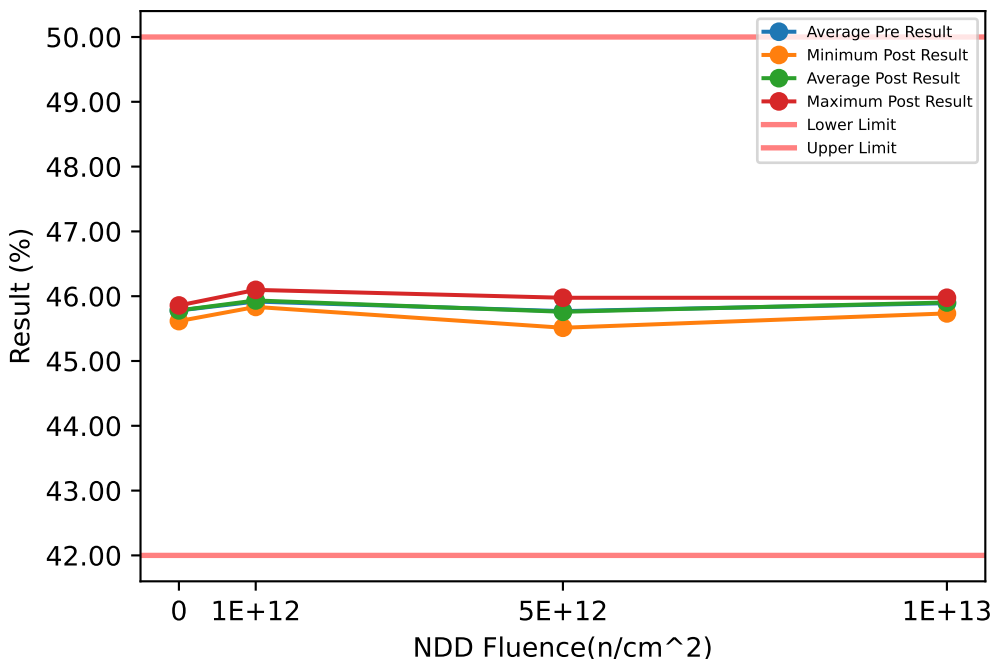
NDD vs Post - Pre Exposure Delta



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	45.617	45.788	45.881	0.11985	45.624	45.783	45.86	0.10877	-0.0214	-0.005175	0.0078	0.013477
1e+12	45.842	45.925	46.083	0.1122	45.84	45.934	46.092	0.11104	-0.0077	0.009375	0.0359	0.018984
5e+12	45.496	45.772	45.998	0.21654	45.521	45.771	45.993	0.20299	-0.0158	-0.001275	0.0246	0.017842
1e+13	45.718	45.893	45.994	0.12046	45.74	45.907	45.984	0.11298	-0.0295	0.01395	0.058	0.03628

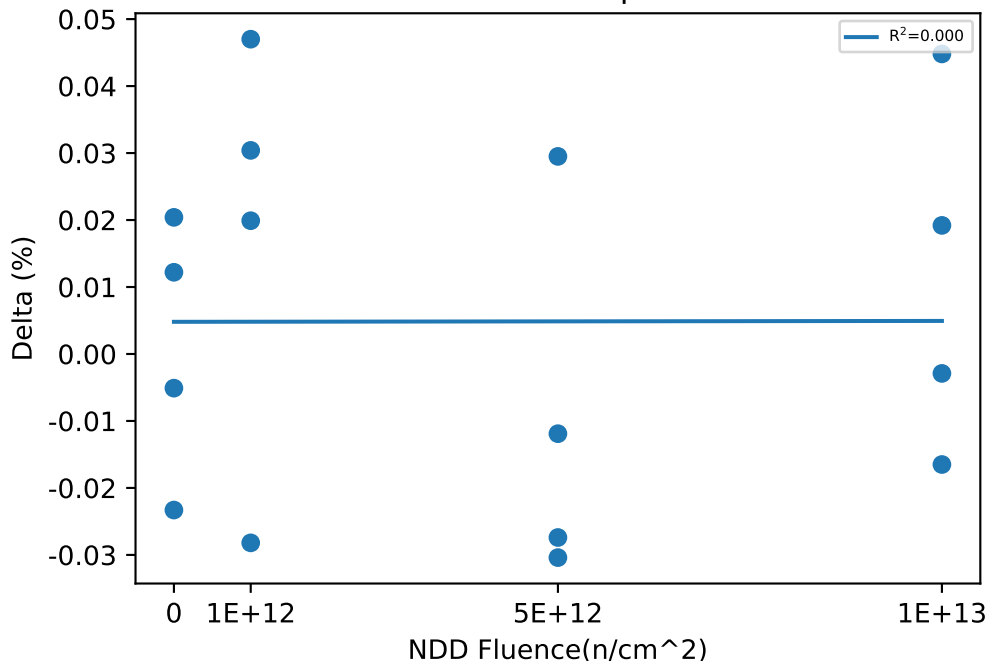
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.863	45.834	-0.0282
489	1e+12	NDD	45.847	45.878	0.0304
583	1e+12	NDD	46.05	46.097	0.047
594	1e+12	NDD	45.908	45.928	0.0199
624	5e+12	NDD	46.003	45.976	-0.0274
839	5e+12	NDD	45.483	45.513	0.0295
919	5e+12	NDD	45.718	45.706	-0.0119
938	5e+12	NDD	45.873	45.842	-0.0304
988	1e+13	NDD	45.715	45.734	0.0192
1176	1e+13	NDD	45.986	45.969	-0.0165
1197	1e+13	NDD	45.936	45.933	-0.0029
1246	0	CORRELATION	45.8	45.795	-0.0051
1277	1e+13	NDD	45.931	45.976	0.0448
1357	0	CORRELATION	45.843	45.855	0.0122
1410	0	CORRELATION	45.88	45.857	-0.0233
1437	0	CORRELATION	45.595	45.616	0.0204

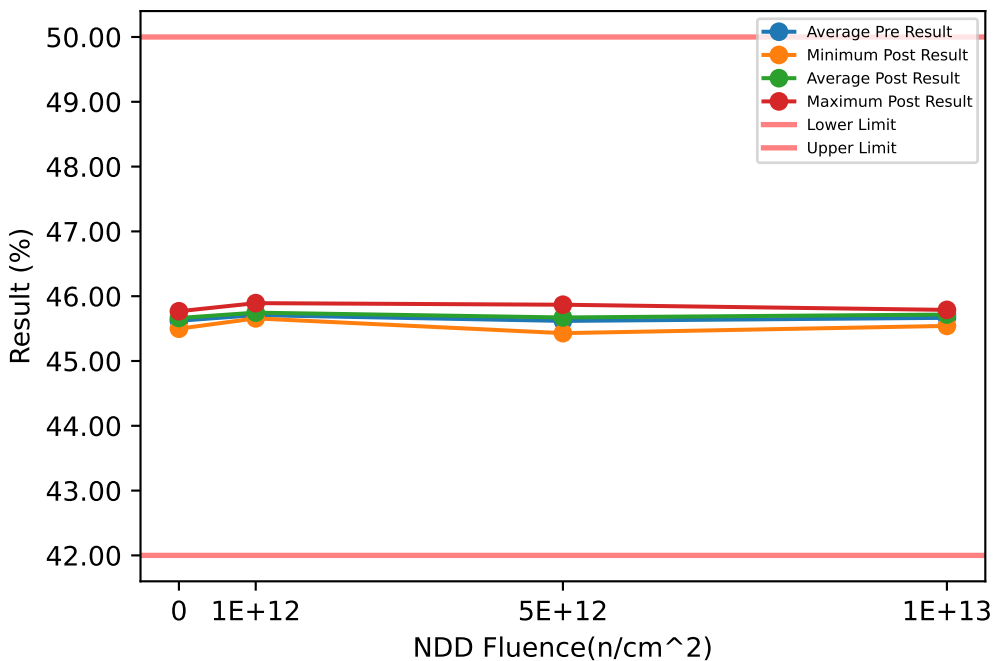
NDD vs Post - Pre Exposure Delta



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	45.595	45.78	45.88	0.12715	45.616	45.781	45.857	0.11364	-0.0233	0.00105	0.0204	0.019404
1e+12	45.847	45.917	46.05	0.092545	45.834	45.934	46.097	0.11522	-0.0282	0.017275	0.047	0.032304
5e+12	45.483	45.769	46.003	0.22338	45.513	45.759	45.976	0.19768	-0.0304	-0.01005	0.0295	0.027585
1e+13	45.715	45.892	45.986	0.12034	45.734	45.903	45.976	0.11399	-0.0165	0.01115	0.0448	0.026827

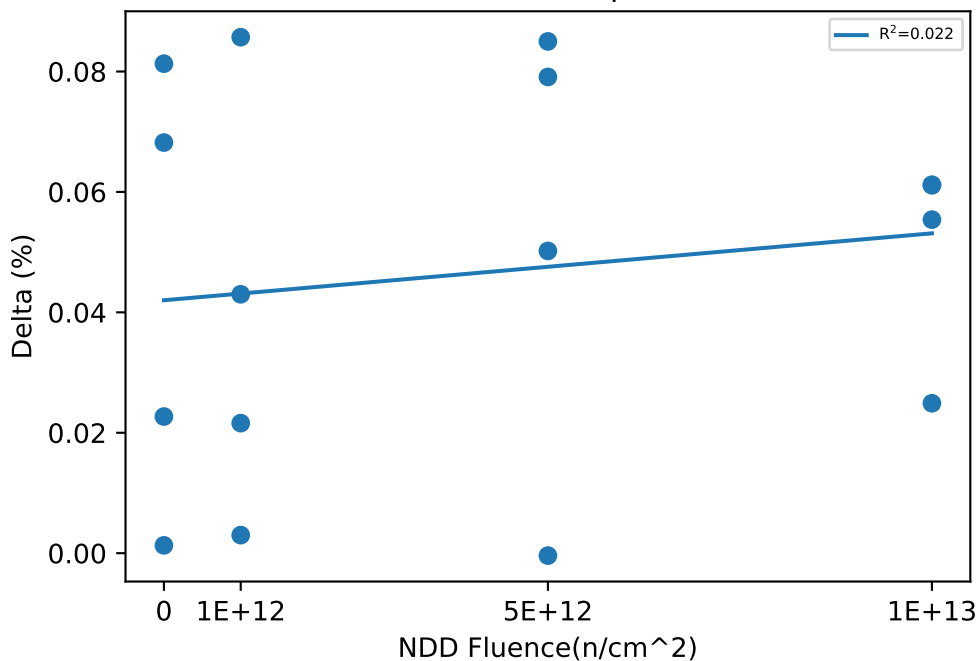
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.636	45.658	0.0216
489	1e+12	NDD	45.652	45.695	0.043
583	1e+12	NDD	45.807	45.893	0.0857
594	1e+12	NDD	45.737	45.74	0.003
624	5e+12	NDD	45.789	45.868	0.0791
839	5e+12	NDD	45.38	45.43	0.0502
919	5e+12	NDD	45.58	45.665	0.085
938	5e+12	NDD	45.725	45.724	-0.0004
988	1e+13	NDD	45.48	45.541	0.0612
1176	1e+13	NDD	45.728	45.789	0.0611
1197	1e+13	NDD	45.744	45.769	0.0249
1246	0	CORRELATION	45.606	45.688	0.0813
1277	1e+13	NDD	45.712	45.768	0.0554
1357	0	CORRELATION	45.699	45.767	0.0682
1410	0	CORRELATION	45.7	45.702	0.0013
1437	0	CORRELATION	45.476	45.498	0.0227

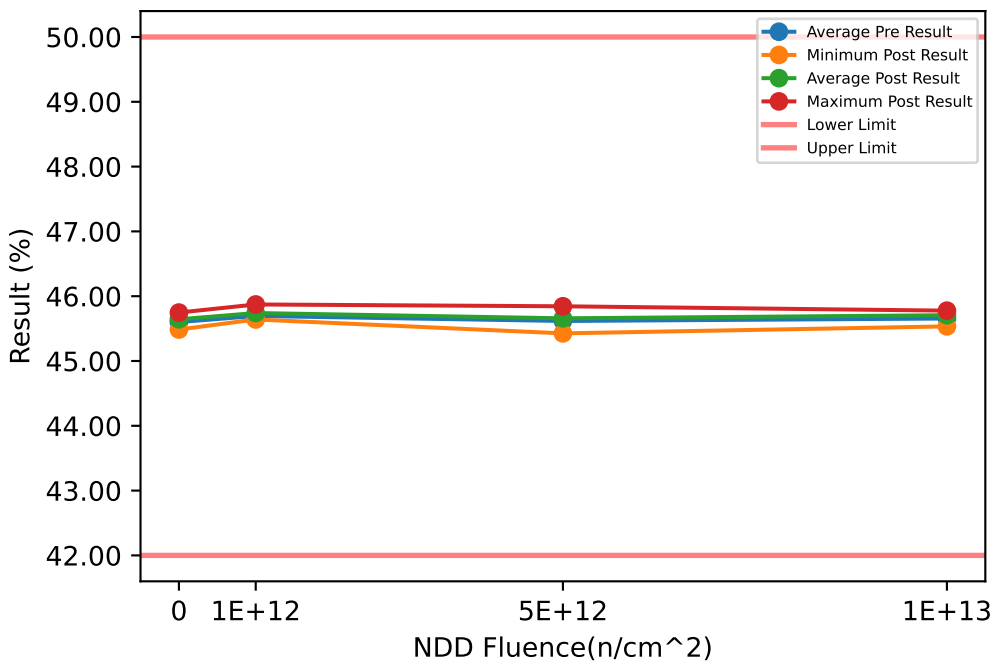
NDD vs Post - Pre Exposure Delta



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	45.476	45.62	45.7	0.10606	45.498	45.664	45.767	0.11562	0.0013	0.043375	0.0813	0.037649
1e+12	45.636	45.708	45.807	0.079513	45.658	45.746	45.893	0.10329	0.003	0.038325	0.0857	0.035561
5e+12	45.38	45.618	45.789	0.1817	45.43	45.672	45.868	0.18261	-0.0004	0.053475	0.085	0.039003
1e+13	45.48	45.666	45.744	0.12453	45.541	45.717	45.789	0.11721	0.0249	0.05065	0.0612	0.017379

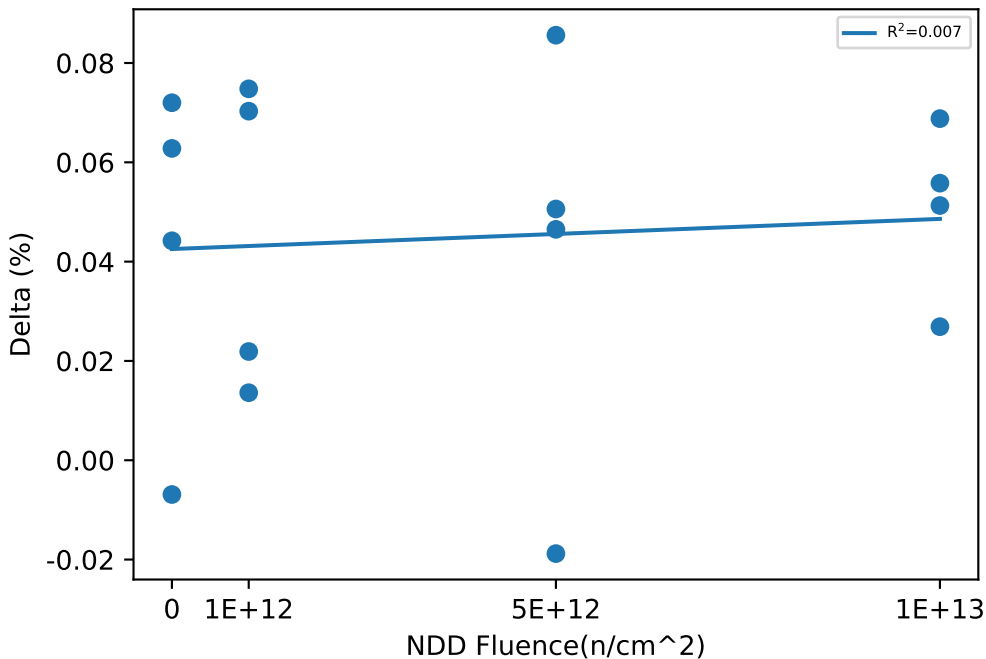
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.627	45.641	0.0136
489	1e+12	NDD	45.641	45.711	0.0703
583	1e+12	NDD	45.798	45.872	0.0748
594	1e+12	NDD	45.714	45.736	0.0219
624	5e+12	NDD	45.798	45.844	0.0465
839	5e+12	NDD	45.376	45.426	0.0506
919	5e+12	NDD	45.575	45.661	0.0856
938	5e+12	NDD	45.722	45.703	-0.0188
988	1e+13	NDD	45.478	45.534	0.0558
1176	1e+13	NDD	45.726	45.777	0.0513
1197	1e+13	NDD	45.724	45.751	0.0269
1246	0	CORRELATION	45.599	45.662	0.0628
1277	1e+13	NDD	45.695	45.763	0.0688
1357	0	CORRELATION	45.675	45.748	0.072
1410	0	CORRELATION	45.687	45.681	-0.0069
1437	0	CORRELATION	45.441	45.486	0.0442

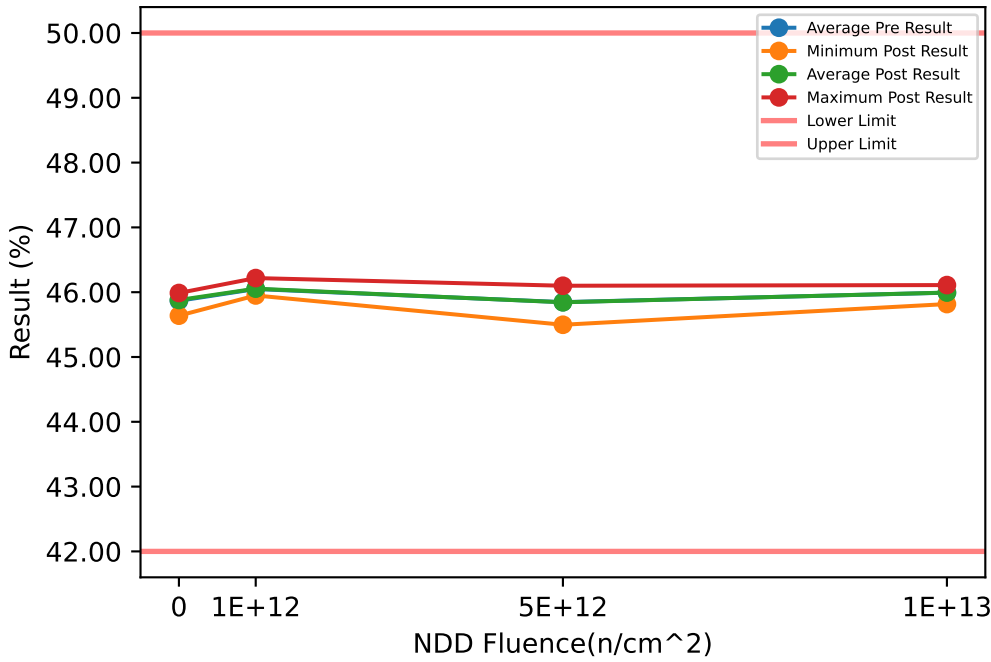
NDD vs Post - Pre Exposure Delta



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	45.441	45.601	45.687	0.11327	45.486	45.644	45.748	0.11174	-0.0069	0.043025	0.072	0.035235
1e+12	45.627	45.695	45.798	0.078305	45.641	45.74	45.872	0.096924	0.0136	0.04515	0.0748	0.031873
5e+12	45.376	45.618	45.798	0.18581	45.426	45.659	45.844	0.17359	-0.0188	0.040975	0.0856	0.043542
1e+13	45.478	45.656	45.726	0.11905	45.534	45.706	45.777	0.11527	0.0269	0.0507	0.0688	0.017516

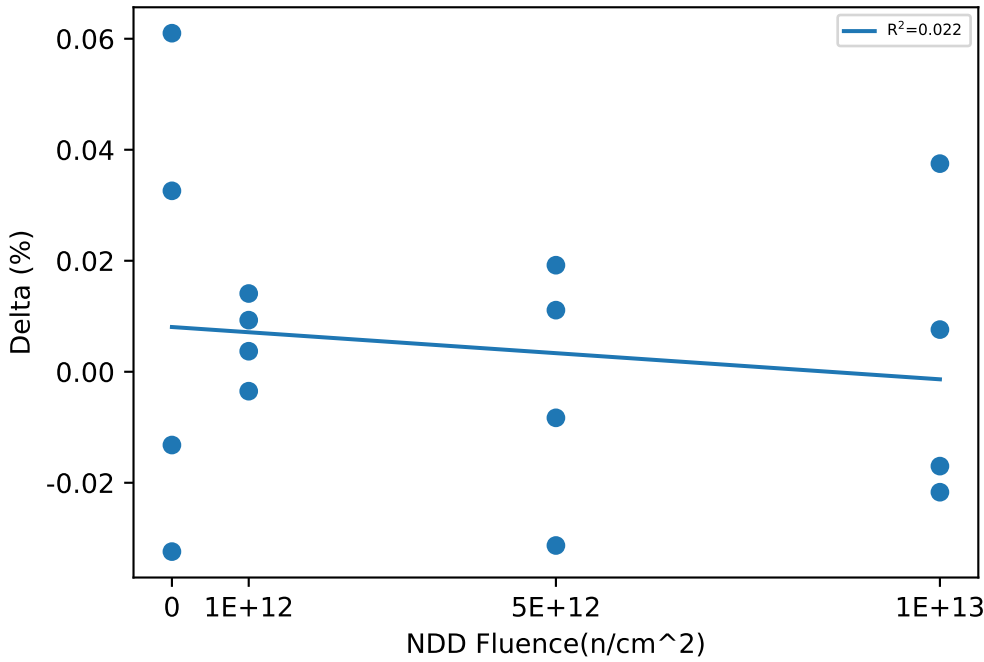
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.953	45.95	-0.0035
489	1e+12	NDD	45.943	45.952	0.0093
583	1e+12	NDD	46.214	46.218	0.0037
594	1e+12	NDD	46.085	46.099	0.0141
624	5e+12	NDD	46.089	46.1	0.0111
839	5e+12	NDD	45.506	45.497	-0.0083
919	5e+12	NDD	45.8	45.819	0.0192
938	5e+12	NDD	45.992	45.961	-0.0313
988	1e+13	NDD	45.779	45.817	0.0375
1176	1e+13	NDD	46.132	46.11	-0.0217
1197	1e+13	NDD	46.036	46.019	-0.017
1246	0	CORRELATION	45.885	45.946	0.061
1277	1e+13	NDD	46.023	46.031	0.0076
1357	0	CORRELATION	45.914	45.946	0.0326
1410	0	CORRELATION	46.001	45.988	-0.0132
1437	0	CORRELATION	45.67	45.638	-0.0324

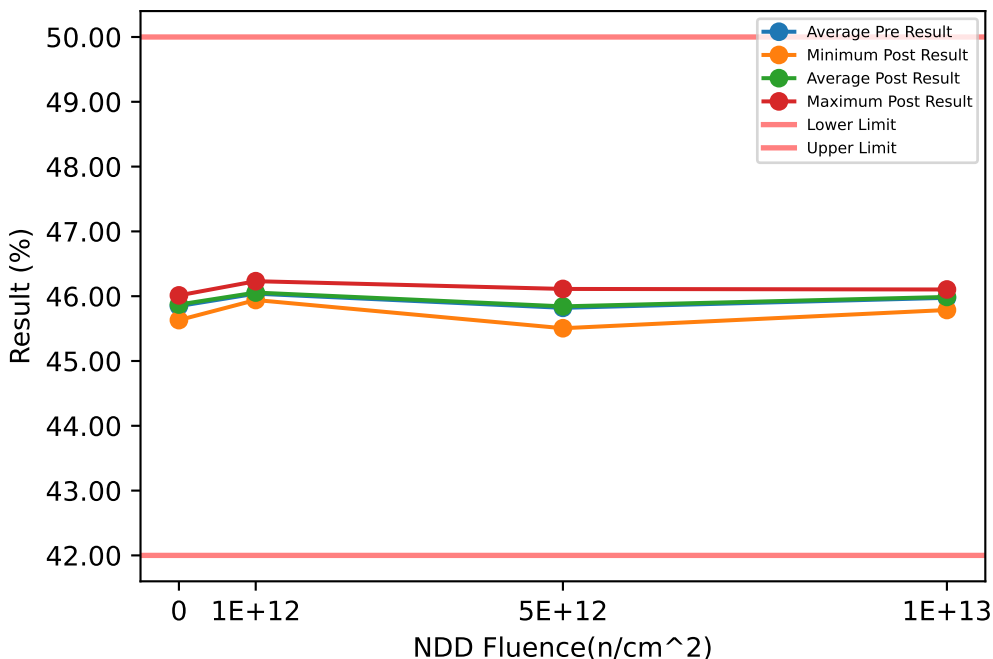
NDD vs Post - Pre Exposure Delta



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	45.67	45.867	46.001	0.14043	45.638	45.879	45.988	0.16229	-0.0324	0.012	0.061	0.042551
1e+12	45.943	46.049	46.214	0.12797	45.95	46.055	46.218	0.12941	-0.0035	0.0059	0.0141	0.0075719
5e+12	45.506	45.847	46.089	0.25703	45.497	45.844	46.1	0.25807	-0.0313	-0.002325	0.0192	0.0225
1e+13	45.779	45.992	46.132	0.15009	45.817	45.994	46.11	0.12485	-0.0217	0.0016	0.0375	0.027164

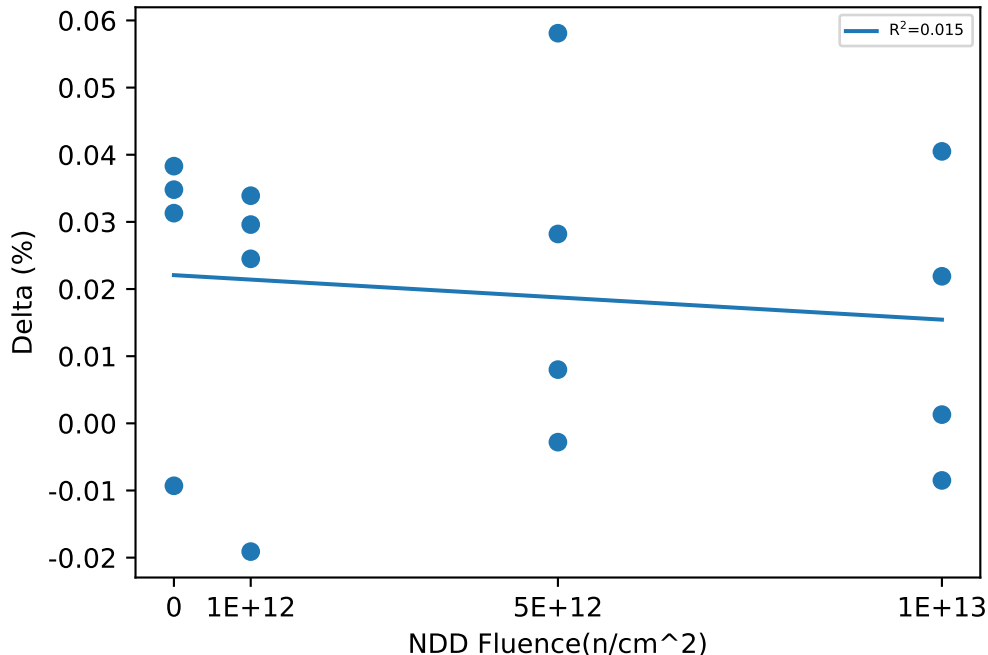
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.963	45.944	-0.0191
489	1e+12	NDD	45.907	45.941	0.0339
583	1e+12	NDD	46.202	46.232	0.0296
594	1e+12	NDD	46.084	46.109	0.0245
624	5e+12	NDD	46.054	46.112	0.0581
839	5e+12	NDD	45.477	45.506	0.0282
919	5e+12	NDD	45.81	45.818	0.008
938	5e+12	NDD	45.939	45.937	-0.0028
988	1e+13	NDD	45.765	45.787	0.0219
1176	1e+13	NDD	46.102	46.104	0.0013
1197	1e+13	NDD	46.036	46.028	-0.0085
1246	0	CORRELATION	45.893	45.883	-0.0093
1277	1e+13	NDD	45.995	46.035	0.0405
1357	0	CORRELATION	45.919	45.958	0.0383
1410	0	CORRELATION	45.981	46.012	0.0313
1437	0	CORRELATION	45.596	45.631	0.0348

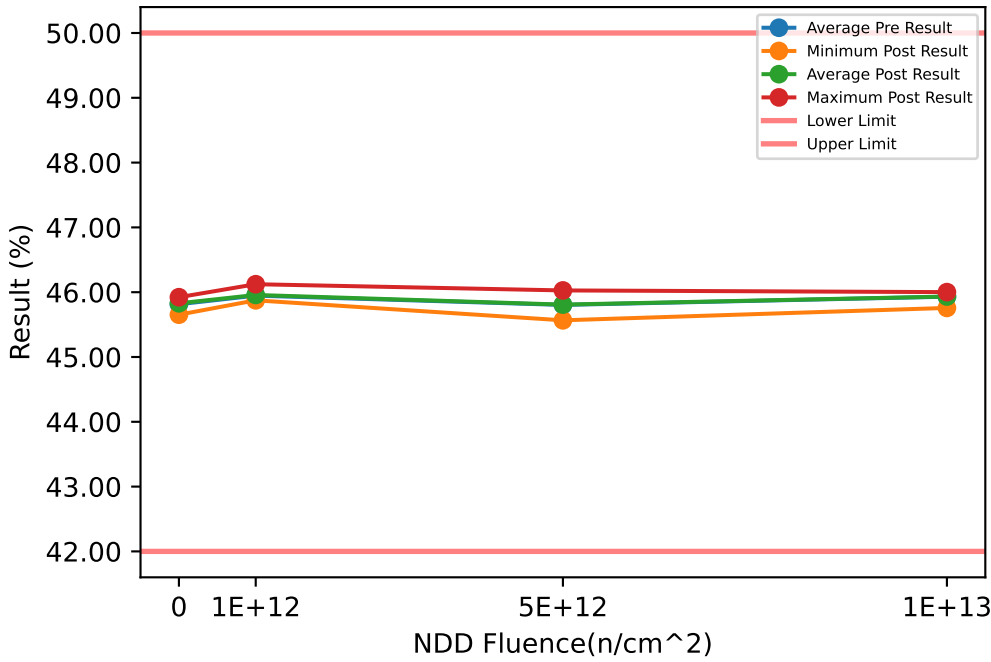
NDD vs Post - Pre Exposure Delta



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	45.596	45.847	45.981	0.17146	45.631	45.871	46.012	0.16857	-0.0093	0.023775	0.0383	0.022234
1e+12	45.907	46.039	46.202	0.13134	45.941	46.056	46.232	0.14068	-0.0191	0.017225	0.0339	0.02452
5e+12	45.477	45.82	46.054	0.24929	45.506	45.843	46.112	0.25533	-0.0028	0.022875	0.0581	0.026768
1e+13	45.765	45.975	46.102	0.14649	45.787	45.988	46.104	0.13851	-0.0085	0.0138	0.0405	0.021848

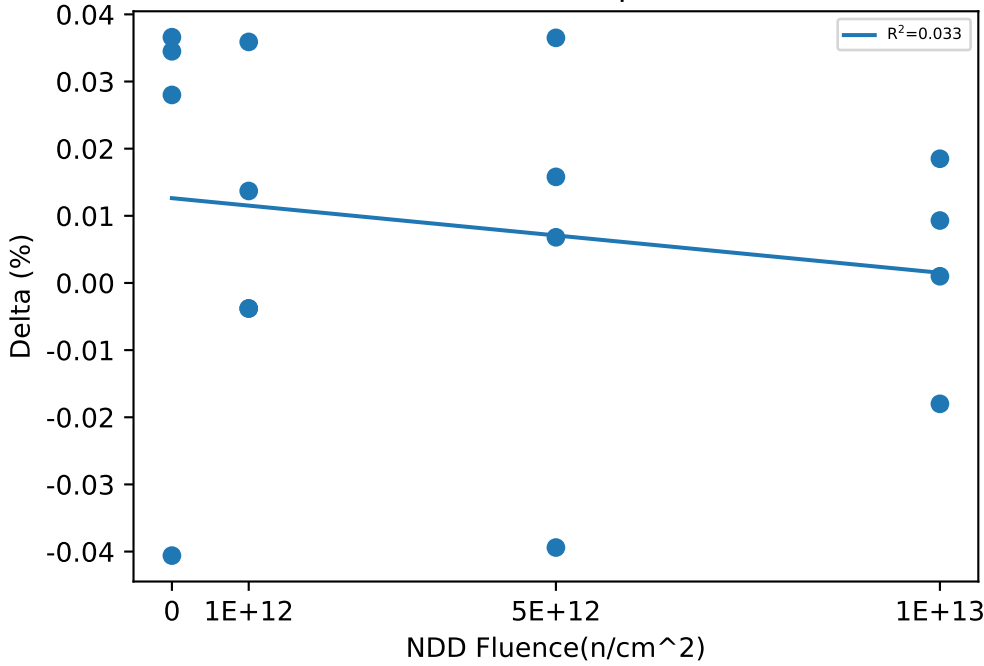
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.879	45.875	-0.0038
489	1e+12	NDD	45.884	45.88	-0.0038
583	1e+12	NDD	46.087	46.123	0.0359
594	1e+12	NDD	45.938	45.952	0.0137
624	5e+12	NDD	46.02	46.027	0.0068
839	5e+12	NDD	45.529	45.566	0.0365
919	5e+12	NDD	45.744	45.759	0.0158
938	5e+12	NDD	45.921	45.881	-0.0394
988	1e+13	NDD	45.756	45.757	0.001
1176	1e+13	NDD	46.019	46.001	-0.018
1197	1e+13	NDD	45.972	45.981	0.0093
1246	0	CORRELATION	45.818	45.852	0.0345
1277	1e+13	NDD	45.974	45.992	0.0185
1357	0	CORRELATION	45.895	45.923	0.028
1410	0	CORRELATION	45.927	45.887	-0.0406
1437	0	CORRELATION	45.616	45.653	0.0366

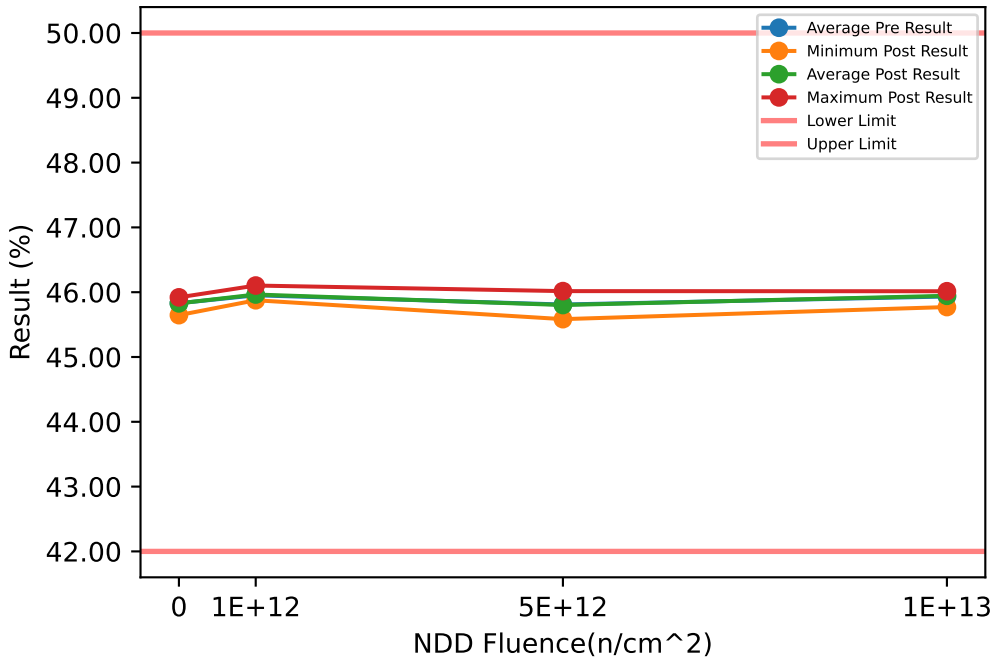
NDD vs Post - Pre Exposure Delta



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	45.616	45.814	45.927	0.13954	45.653	45.829	45.923	0.12061	-0.0406	0.014625	0.0366	0.036998
1e+12	45.879	45.947	46.087	0.097354	45.875	45.957	46.123	0.11595	-0.0038	0.0105	0.0359	0.018836
5e+12	45.529	45.804	46.02	0.21565	45.566	45.809	46.027	0.19528	-0.0394	0.004925	0.0365	0.03206
1e+13	45.756	45.93	46.019	0.11813	45.757	45.933	46.001	0.11751	-0.018	0.0027	0.0185	0.015541

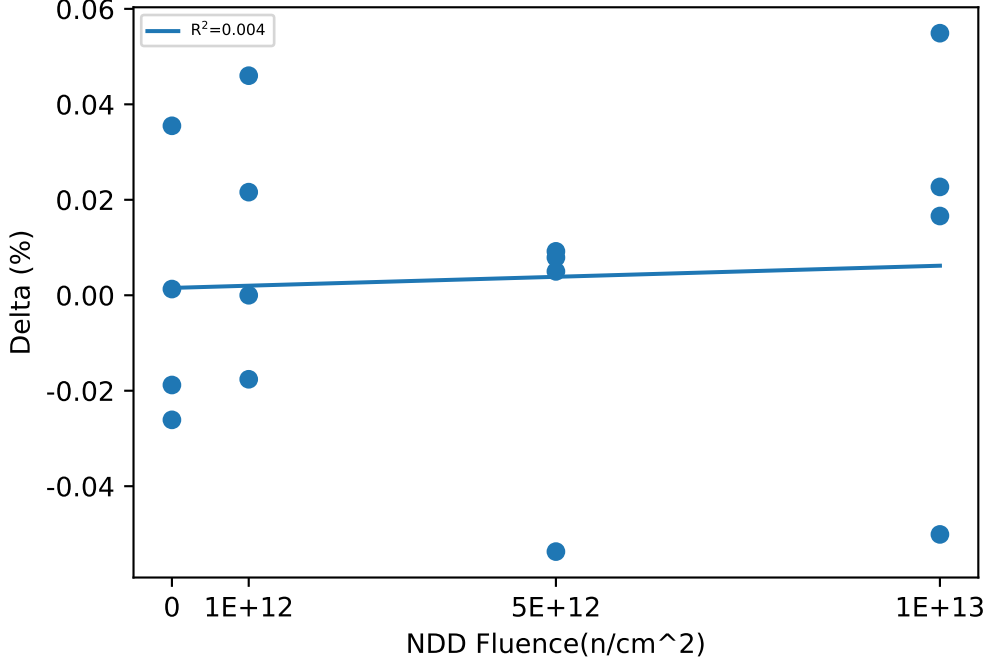
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.876	45.876	0
489	1e+12	NDD	45.876	45.922	0.046
583	1e+12	NDD	46.081	46.103	0.0216
594	1e+12	NDD	45.975	45.957	-0.0176
624	5e+12	NDD	46.007	46.017	0.0092
839	5e+12	NDD	45.576	45.584	0.0079
919	5e+12	NDD	45.74	45.745	0.005
938	5e+12	NDD	45.916	45.863	-0.0537
988	1e+13	NDD	45.748	45.771	0.0227
1176	1e+13	NDD	46.052	46.002	-0.0501
1197	1e+13	NDD	45.974	45.99	0.0166
1246	0	CORRELATION	45.837	45.838	0.0013
1277	1e+13	NDD	45.96	46.015	0.0549
1357	0	CORRELATION	45.885	45.92	0.0355
1410	0	CORRELATION	45.932	45.906	-0.0261
1437	0	CORRELATION	45.665	45.646	-0.0188

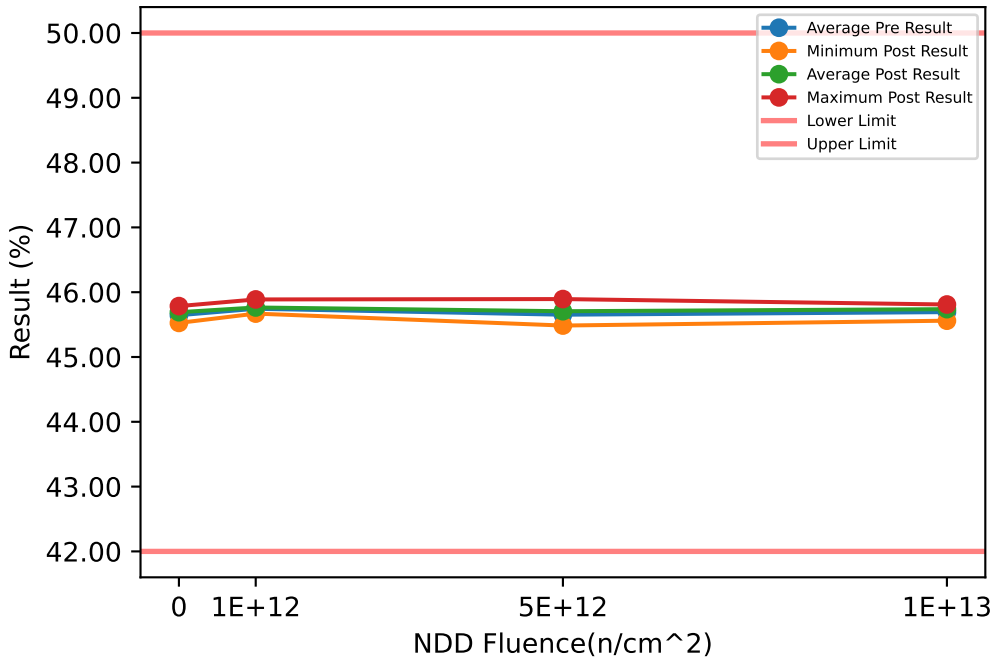
NDD vs Post - Pre Exposure Delta



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	45.665	45.83	45.932	0.11668	45.646	45.828	45.92	0.12636	-0.0261	-0.002025	0.0355	0.027569
1e+12	45.876	45.952	46.081	0.097909	45.876	45.964	46.103	0.098039	-0.0176	0.0125	0.046	0.027491
5e+12	45.576	45.81	46.007	0.19135	45.584	45.802	46.017	0.183	-0.0537	-0.0079	0.0092	0.030584
1e+13	45.748	45.933	46.052	0.13007	45.771	45.944	46.015	0.11618	-0.0501	0.011025	0.0549	0.044078

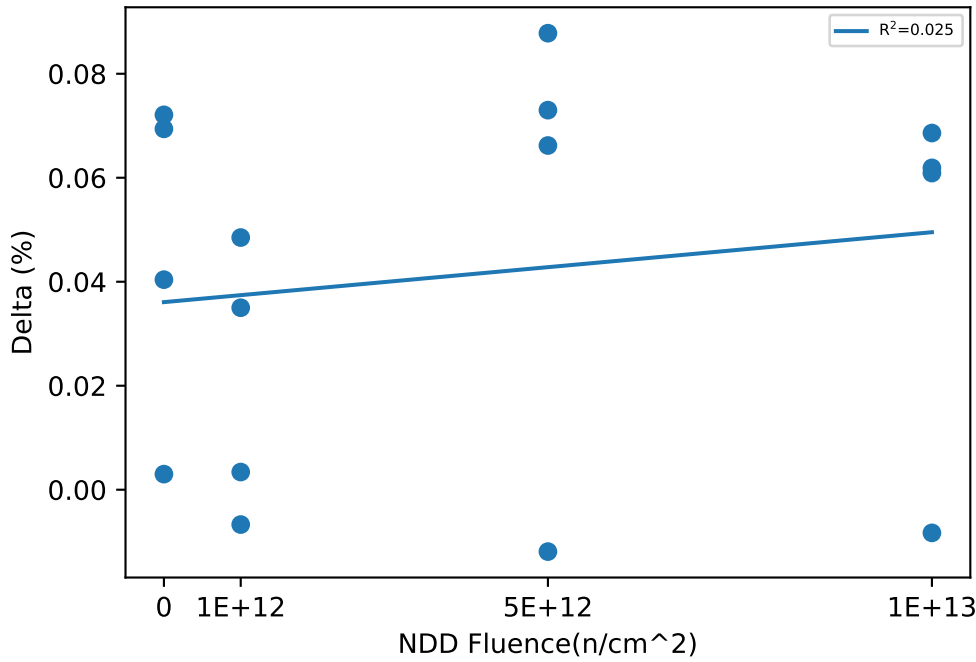
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.676	45.67	-0.0067
489	1e+12	NDD	45.705	45.739	0.035
583	1e+12	NDD	45.84	45.888	0.0485
594	1e+12	NDD	45.756	45.759	0.0034
624	5e+12	NDD	45.828	45.894	0.0662
839	5e+12	NDD	45.412	45.485	0.073
919	5e+12	NDD	45.606	45.694	0.0878
938	5e+12	NDD	45.765	45.753	-0.0119
988	1e+13	NDD	45.498	45.56	0.0619
1176	1e+13	NDD	45.742	45.81	0.0686
1197	1e+13	NDD	45.796	45.787	-0.0083
1246	0	CORRELATION	45.641	45.713	0.0721
1277	1e+13	NDD	45.734	45.795	0.0609
1357	0	CORRELATION	45.716	45.785	0.0694
1410	0	CORRELATION	45.737	45.74	0.003
1437	0	CORRELATION	45.486	45.526	0.0404

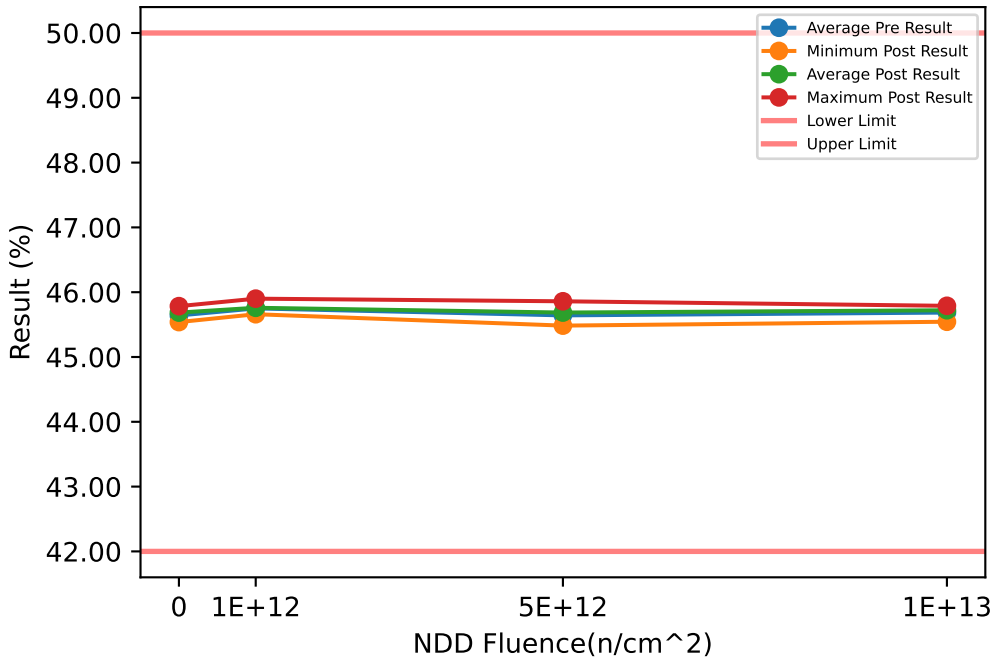
NDD vs Post - Pre Exposure Delta



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	45.486	45.645	45.737	0.11403	45.526	45.691	45.785	0.11409	0.003	0.046225	0.0721	0.032192
1e+12	45.676	45.744	45.84	0.071801	45.67	45.764	45.888	0.091271	-0.0067	0.02005	0.0485	0.025985
5e+12	45.412	45.653	45.828	0.18541	45.485	45.706	45.894	0.16965	-0.0119	0.053775	0.0878	0.044702
1e+13	45.498	45.692	45.796	0.13229	45.56	45.738	45.81	0.11904	-0.0083	0.045775	0.0686	0.036212

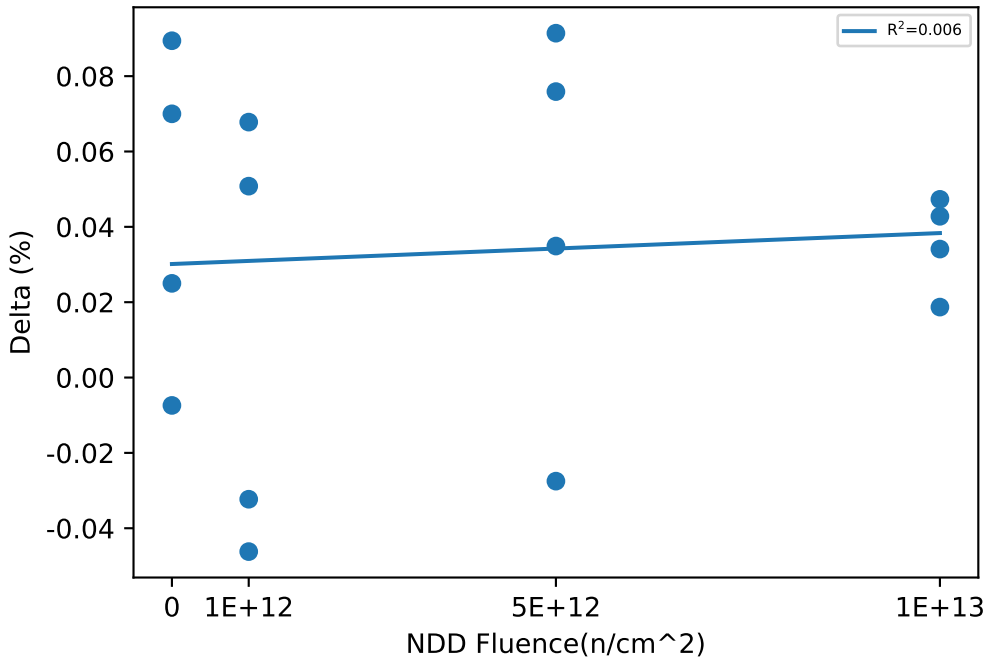
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.692	45.66	-0.0323
489	1e+12	NDD	45.685	45.736	0.0508
583	1e+12	NDD	45.832	45.9	0.0678
594	1e+12	NDD	45.789	45.743	-0.0462
624	5e+12	NDD	45.825	45.86	0.0349
839	5e+12	NDD	45.393	45.484	0.0914
919	5e+12	NDD	45.599	45.675	0.0759
938	5e+12	NDD	45.752	45.725	-0.0275
988	1e+13	NDD	45.497	45.544	0.0473
1176	1e+13	NDD	45.747	45.79	0.0428
1197	1e+13	NDD	45.764	45.783	0.0187
1246	0	CORRELATION	45.605	45.694	0.0894
1277	1e+13	NDD	45.734	45.768	0.0341
1357	0	CORRELATION	45.715	45.785	0.07
1410	0	CORRELATION	45.731	45.723	-0.0074
1437	0	CORRELATION	45.514	45.539	0.025

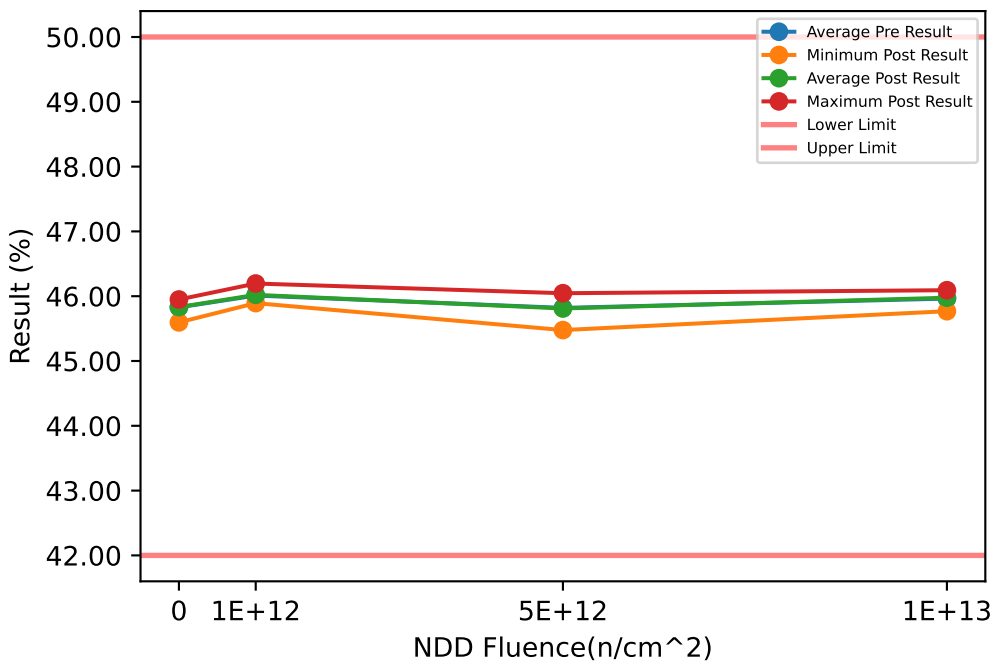
NDD vs Post - Pre Exposure Delta



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	45.514	45.641	45.731	0.10152	45.539	45.685	45.785	0.10458	-0.0074	0.04425	0.0894	0.043741
1e+12	45.685	45.75	45.832	0.072753	45.66	45.76	45.9	0.10087	-0.0462	0.010025	0.0678	0.0576
5e+12	45.393	45.642	45.825	0.19095	45.484	45.686	45.86	0.15536	-0.0275	0.043675	0.0914	0.053101
1e+13	45.497	45.685	45.764	0.12641	45.544	45.721	45.79	0.11843	0.0187	0.035725	0.0473	0.012603

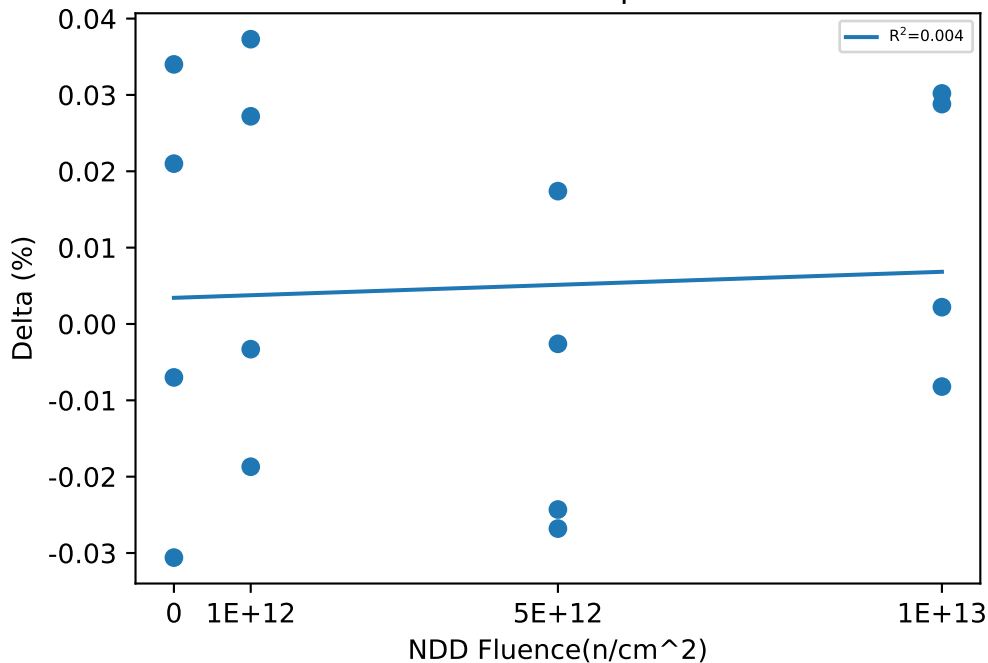
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.929	45.925	-0.0033
489	1e+12	NDD	45.912	45.893	-0.0187
583	1e+12	NDD	46.158	46.196	0.0373
594	1e+12	NDD	46.042	46.069	0.0272
624	5e+12	NDD	46.073	46.046	-0.0268
839	5e+12	NDD	45.46	45.477	0.0174
919	5e+12	NDD	45.796	45.794	-0.0026
938	5e+12	NDD	45.95	45.925	-0.0243
988	1e+13	NDD	45.766	45.769	0.0022
1176	1e+13	NDD	46.101	46.093	-0.0082
1197	1e+13	NDD	45.996	46.026	0.0302
1246	0	CORRELATION	45.865	45.886	0.021
1277	1e+13	NDD	45.99	46.019	0.0288
1357	0	CORRELATION	45.905	45.898	-0.007
1410	0	CORRELATION	45.98	45.949	-0.0306
1437	0	CORRELATION	45.562	45.596	0.034

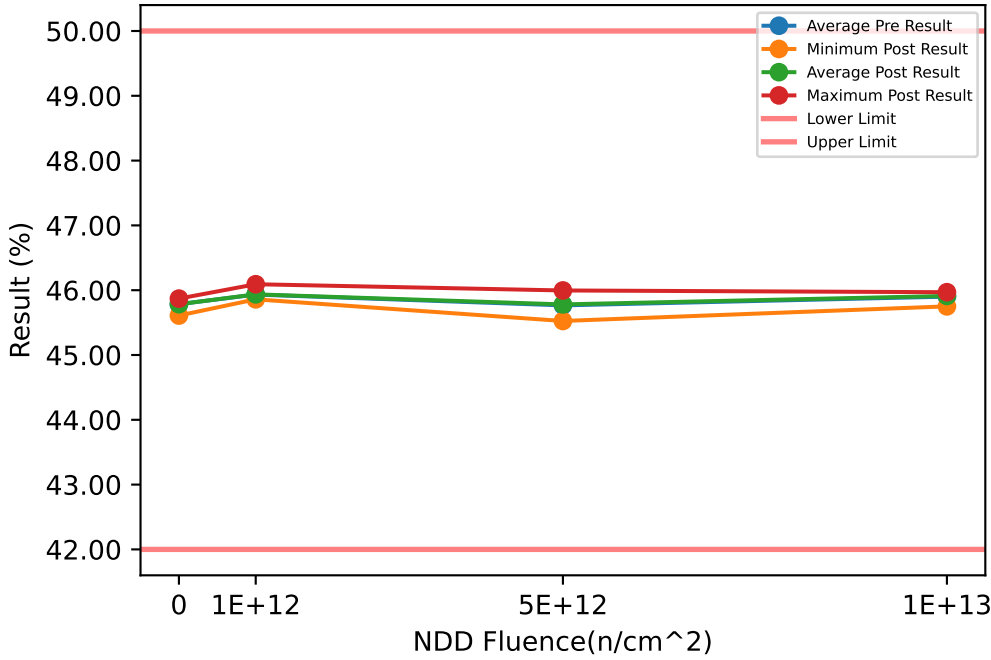
NDD vs Post - Pre Exposure Delta



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	45.562	45.828	45.98	0.1836	45.596	45.832	45.949	0.15994	-0.0306	0.00435	0.034	0.028906
1e+12	45.912	46.01	46.158	0.11443	45.893	46.021	46.196	0.13942	-0.0187	0.010625	0.0373	0.026078
5e+12	45.46	45.82	46.073	0.26525	45.477	45.811	46.046	0.245	-0.0268	-0.009075	0.0174	0.020727
1e+13	45.766	45.963	46.101	0.14079	45.769	45.977	46.093	0.14257	-0.0082	0.01325	0.0302	0.019247

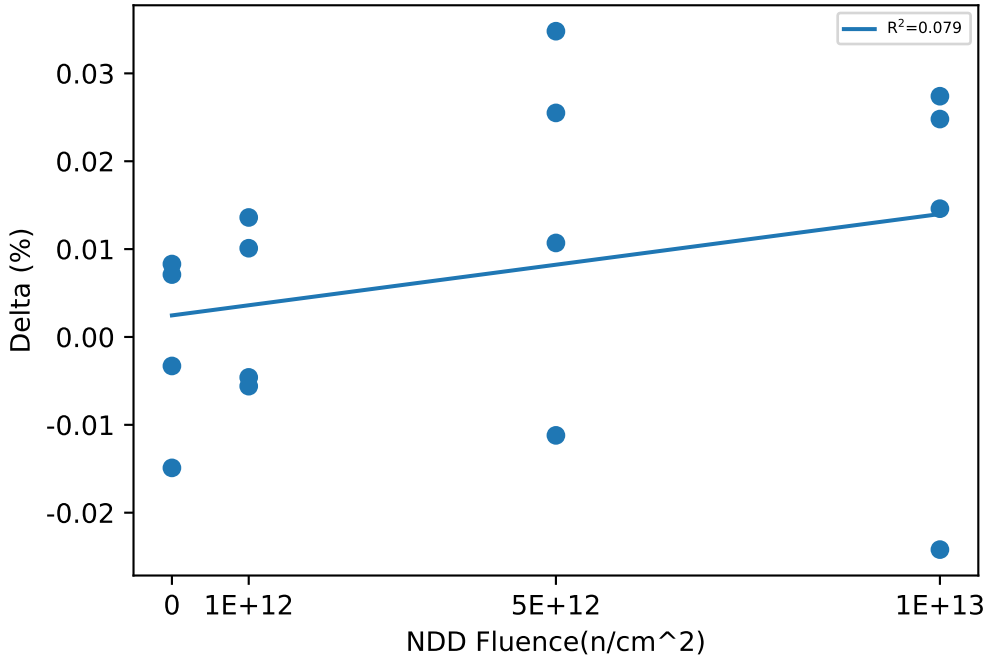
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.87	45.864	-0.0056
489	1e+12	NDD	45.846	45.859	0.0136
583	1e+12	NDD	46.082	46.092	0.0101
594	1e+12	NDD	45.933	45.929	-0.0046
624	5e+12	NDD	45.985	45.996	0.0107
839	5e+12	NDD	45.49	45.525	0.0348
919	5e+12	NDD	45.693	45.719	0.0255
938	5e+12	NDD	45.894	45.883	-0.0112
988	1e+13	NDD	45.723	45.751	0.0274
1176	1e+13	NDD	45.993	45.969	-0.0242
1197	1e+13	NDD	45.946	45.961	0.0146
1246	0	CORRELATION	45.801	45.808	0.0071
1277	1e+13	NDD	45.94	45.965	0.0248
1357	0	CORRELATION	45.851	45.848	-0.0033
1410	0	CORRELATION	45.885	45.87	-0.0149
1437	0	CORRELATION	45.601	45.609	0.0083

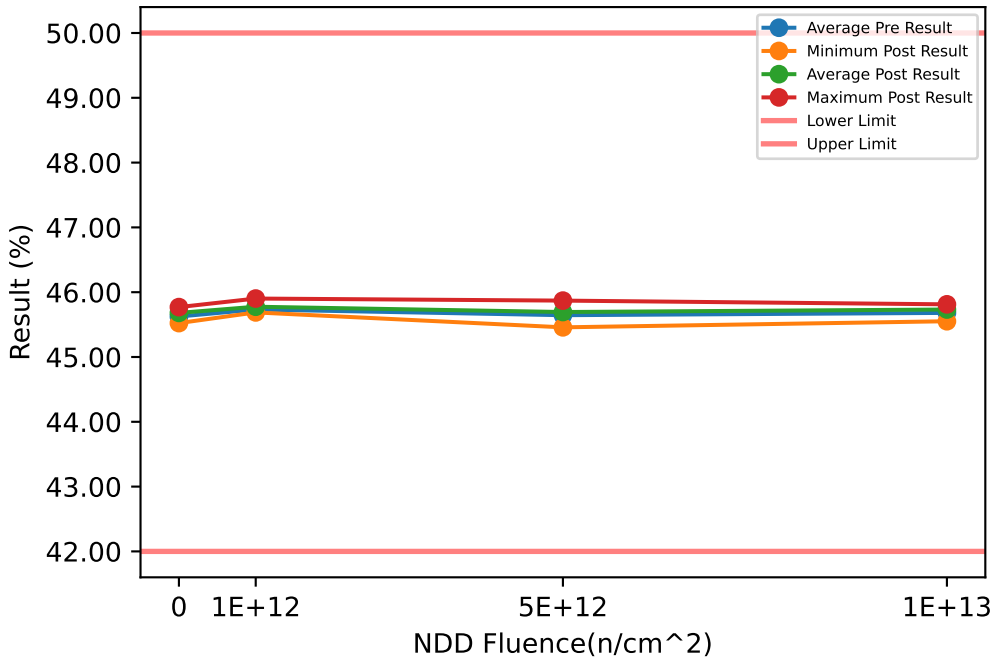
NDD vs Post - Pre Exposure Delta



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	45.601	45.784	45.885	0.12721	45.609	45.784	45.87	0.11923	-0.0149	-0.0007	0.0083	0.010805
1e+12	45.846	45.933	46.082	0.10621	45.859	45.936	46.092	0.10876	-0.0056	0.003375	0.0136	0.0098983
5e+12	45.49	45.766	45.985	0.22057	45.525	45.781	45.996	0.20502	-0.0112	0.01495	0.0348	0.02006
1e+13	45.723	45.901	45.993	0.1207	45.751	45.911	45.969	0.10725	-0.0242	0.01065	0.0274	0.023881

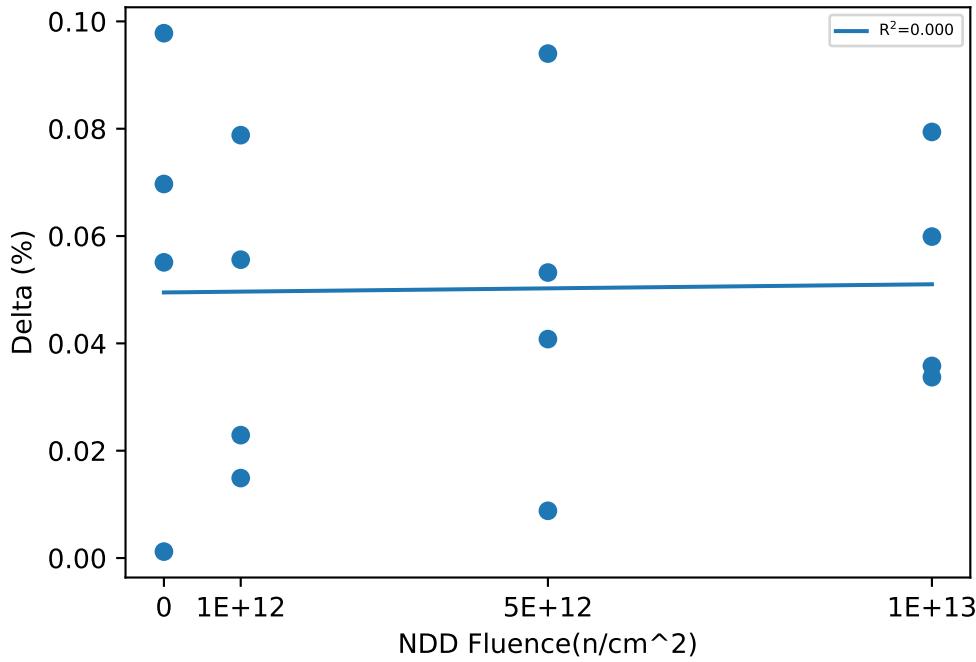
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.665	45.688	0.0229
489	1e+12	NDD	45.653	45.732	0.0788
583	1e+12	NDD	45.846	45.902	0.0556
594	1e+12	NDD	45.767	45.782	0.0149
624	5e+12	NDD	45.817	45.87	0.0532
839	5e+12	NDD	45.417	45.458	0.0408
919	5e+12	NDD	45.598	45.692	0.094
938	5e+12	NDD	45.749	45.757	0.0088
988	1e+13	NDD	45.492	45.552	0.0599
1176	1e+13	NDD	45.733	45.813	0.0794
1197	1e+13	NDD	45.768	45.802	0.0337
1246	0	CORRELATION	45.606	45.704	0.0978
1277	1e+13	NDD	45.729	45.764	0.0358
1357	0	CORRELATION	45.7	45.77	0.0697
1410	0	CORRELATION	45.724	45.725	0.0012
1437	0	CORRELATION	45.468	45.523	0.0551

NDD vs Post - Pre Exposure Delta

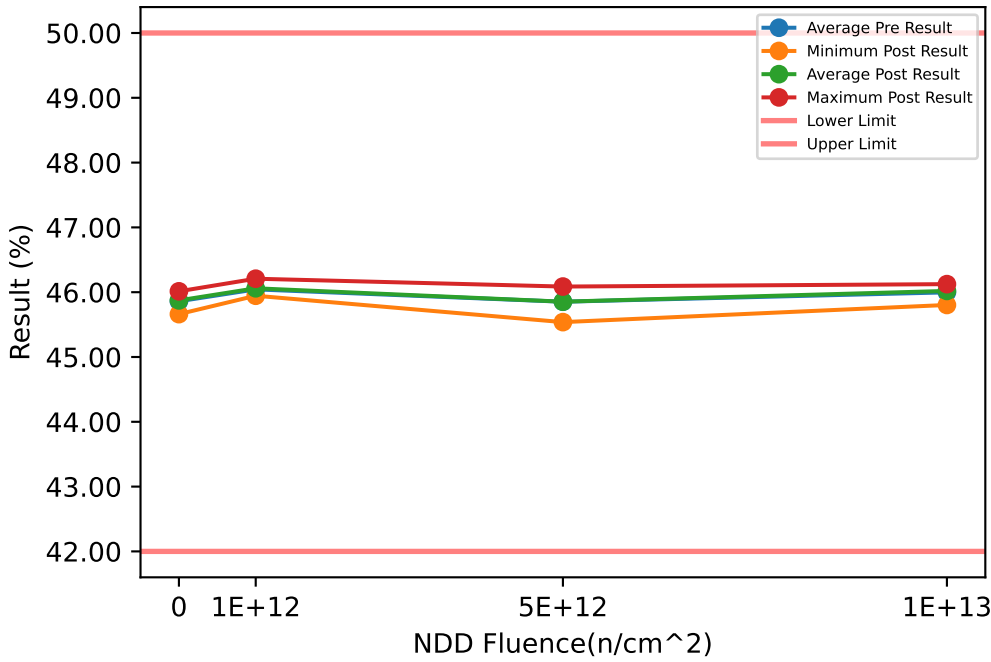


Test Statistics (%)

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	45.468	45.625	45.724	0.11616	45.523	45.681	45.77	0.10845	0.0012	0.05595	0.0978	0.040574
1e+12	45.653	45.733	45.846	0.091372	45.688	45.776	45.902	0.092425	0.0149	0.04305	0.0788	0.029631
5e+12	45.417	45.645	45.817	0.17757	45.458	45.694	45.87	0.17408	0.0088	0.0492	0.094	0.035241
1e+13	45.492	45.68	45.768	0.12691	45.552	45.733	45.813	0.12233	0.0337	0.0522	0.0794	0.021682

Device Test: 27.48 LEVEL|WRST_MAX/OUT/8/8/0/0/5/100kHz//@MAX_DCL_50

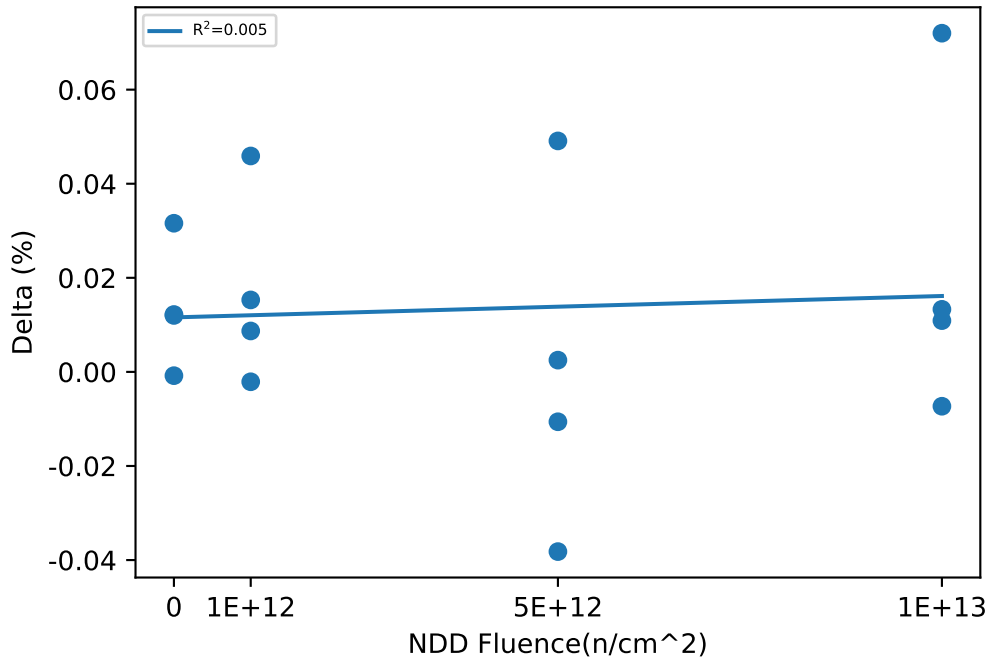
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.964	45.972	0.0087
489	1e+12	NDD	45.947	45.945	-0.0021
583	1e+12	NDD	46.193	46.208	0.0153
594	1e+12	NDD	46.07	46.116	0.0459
624	5e+12	NDD	46.098	46.087	-0.0106
839	5e+12	NDD	45.489	45.538	0.0491
919	5e+12	NDD	45.817	45.82	0.0025
938	5e+12	NDD	46.007	45.969	-0.0382
988	1e+13	NDD	45.79	45.803	0.0133
1176	1e+13	NDD	46.132	46.124	-0.0073
1197	1e+13	NDD	46.054	46.065	0.0109
1246	0	CORRELATION	45.881	45.893	0.012
1277	1e+13	NDD	46.014	46.086	0.072
1357	0	CORRELATION	45.927	45.926	-0.0008
1410	0	CORRELATION	46.001	46.013	0.0122
1437	0	CORRELATION	45.63	45.661	0.0316

NDD vs Post - Pre Exposure Delta

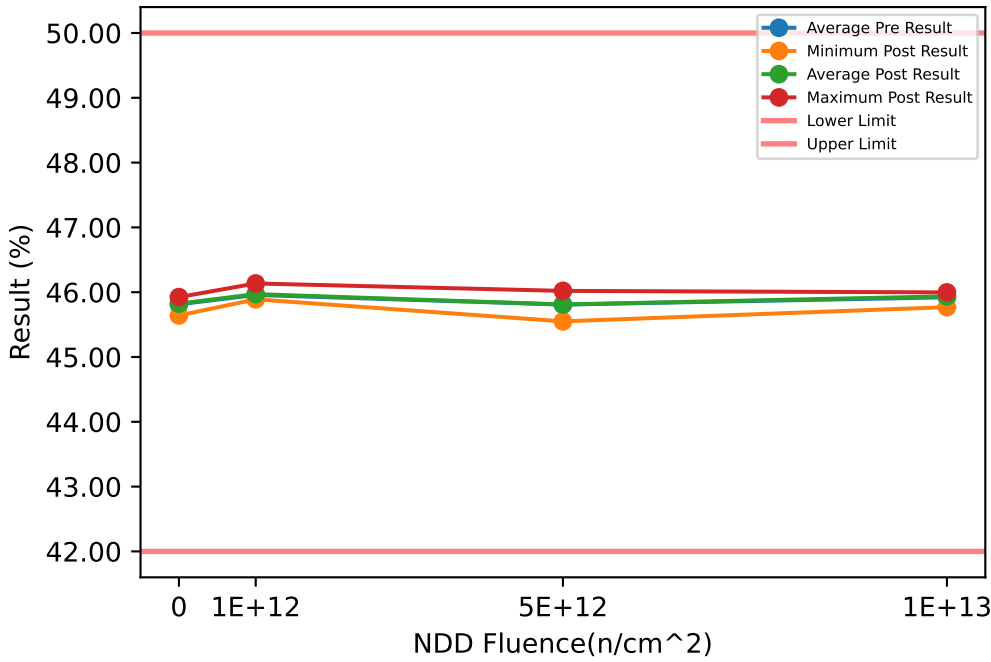


Test Statistics (%)

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	45.63	45.86	46.001	0.16111	45.661	45.874	46.013	0.15025	-0.0008	0.01375	0.0316	0.013364
1e+12	45.947	46.044	46.193	0.11346	45.945	46.06	46.208	0.12373	-0.0021	0.01695	0.0459	0.02059
5e+12	45.489	45.853	46.098	0.26914	45.538	45.854	46.087	0.23695	-0.0382	0.0007	0.0491	0.036454
1e+13	45.79	45.997	46.132	0.14678	45.803	46.02	46.124	0.1465	-0.0073	0.022225	0.072	0.034434

Device Test: 27.49 LEVEL|WRST_MAX/OUT/8/8/0/0/5/200kHz//@MAX_DCL_50

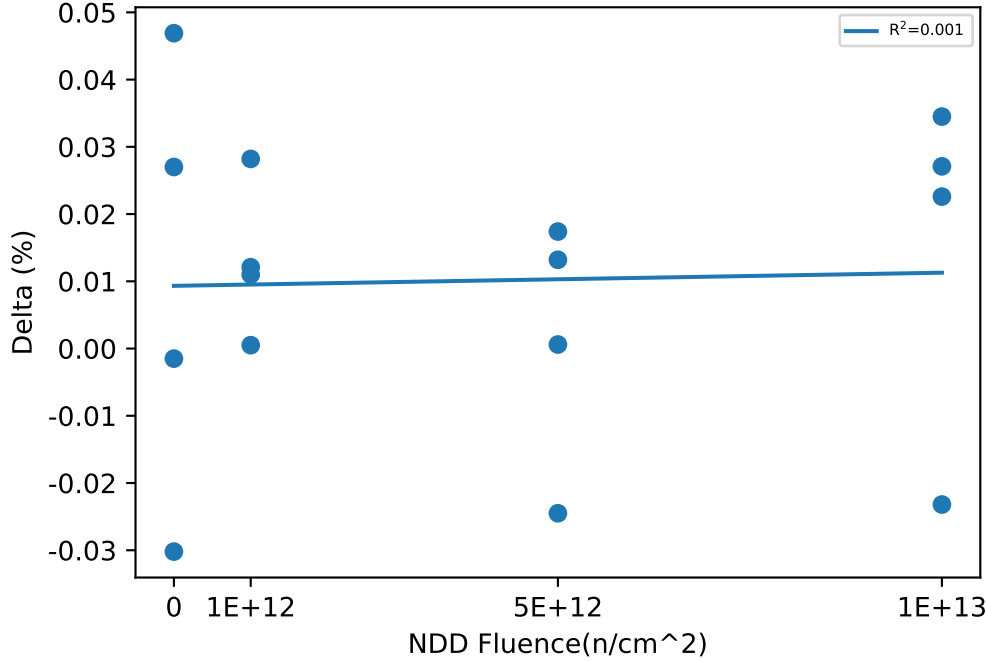
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.882	45.893	0.011
489	1e+12	NDD	45.89	45.89	0.0005
583	1e+12	NDD	46.106	46.135	0.0282
594	1e+12	NDD	45.952	45.964	0.0121
624	5e+12	NDD	46.02	46.02	0.0006
839	5e+12	NDD	45.537	45.55	0.0132
919	5e+12	NDD	45.74	45.758	0.0174
938	5e+12	NDD	45.938	45.914	-0.0245
988	1e+13	NDD	45.742	45.769	0.0271
1176	1e+13	NDD	46.019	45.995	-0.0232
1197	1e+13	NDD	45.962	45.997	0.0345
1246	0	CORRELATION	45.838	45.836	-0.0015
1277	1e+13	NDD	45.961	45.984	0.0226
1357	0	CORRELATION	45.877	45.924	0.0469
1410	0	CORRELATION	45.924	45.894	-0.0302
1437	0	CORRELATION	45.614	45.641	0.027

NDD vs Post - Pre Exposure Delta

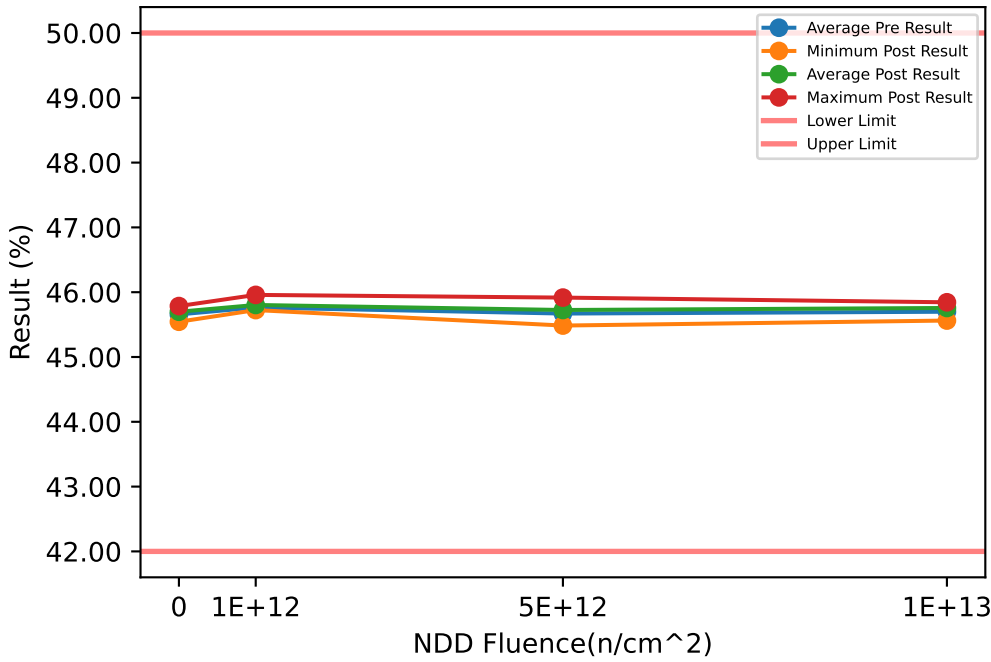


Test Statistics (%)

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	45.614	45.813	45.924	0.13746	45.641	45.824	45.924	0.12725	-0.0302	0.01055	0.0469	0.033654
1e+12	45.882	45.957	46.106	0.10418	45.89	45.97	46.135	0.11473	0.0005	0.01295	0.0282	0.011432
5e+12	45.537	45.809	46.02	0.21601	45.55	45.81	46.02	0.20444	-0.0245	0.001675	0.0174	0.018854
1e+13	45.742	45.921	46.019	0.12231	45.769	45.936	45.997	0.11161	-0.0232	0.01525	0.0345	0.026099

Device Test: 27.50 LEVEL|WRST_MAX/OUT/8/8/0/0/5/500kHz//@MAX_DCL_50

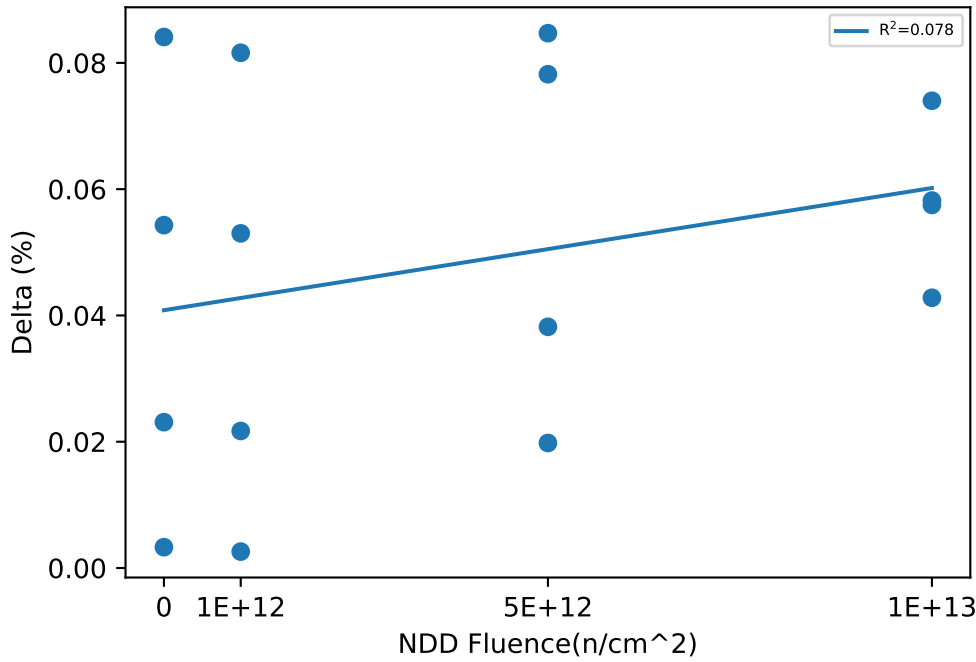
NDD vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	45.702	45.724	0.0217
489	1e+12	NDD	45.691	45.743	0.053
583	1e+12	NDD	45.877	45.958	0.0816
594	1e+12	NDD	45.784	45.786	0.0026
624	5e+12	NDD	45.839	45.917	0.0782
839	5e+12	NDD	45.447	45.485	0.0382
919	5e+12	NDD	45.627	45.712	0.0847
938	5e+12	NDD	45.768	45.788	0.0198
988	1e+13	NDD	45.505	45.562	0.0575
1176	1e+13	NDD	45.77	45.844	0.074
1197	1e+13	NDD	45.785	45.827	0.0428
1246	0	CORRELATION	45.644	45.728	0.0841
1277	1e+13	NDD	45.734	45.792	0.0582
1357	0	CORRELATION	45.731	45.786	0.0543
1410	0	CORRELATION	45.732	45.736	0.0033
1437	0	CORRELATION	45.521	45.544	0.0231

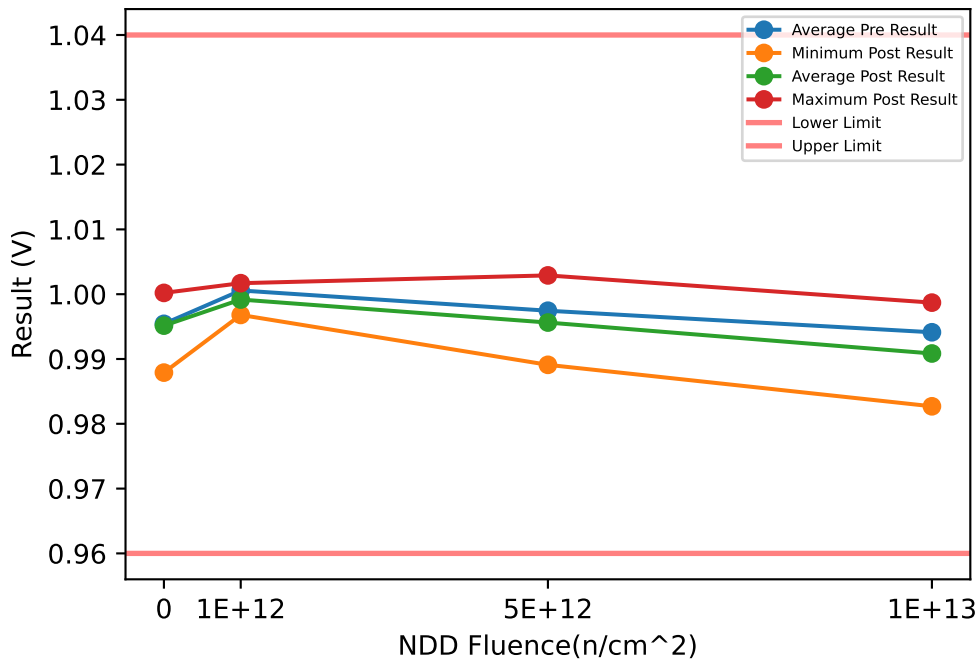
NDD vs Post - Pre Exposure Delta



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	45.521	45.657	45.732	0.099897	45.544	45.698	45.786	0.10603	0.0033	0.0412	0.0841	0.035478
1e+12	45.691	45.763	45.877	0.086226	45.724	45.803	45.958	0.10673	0.0026	0.039725	0.0816	0.034799
5e+12	45.447	45.67	45.839	0.17284	45.485	45.725	45.917	0.18109	0.0198	0.055225	0.0847	0.031312
1e+13	45.505	45.698	45.785	0.13068	45.562	45.757	45.844	0.13116	0.0428	0.058125	0.074	0.012745

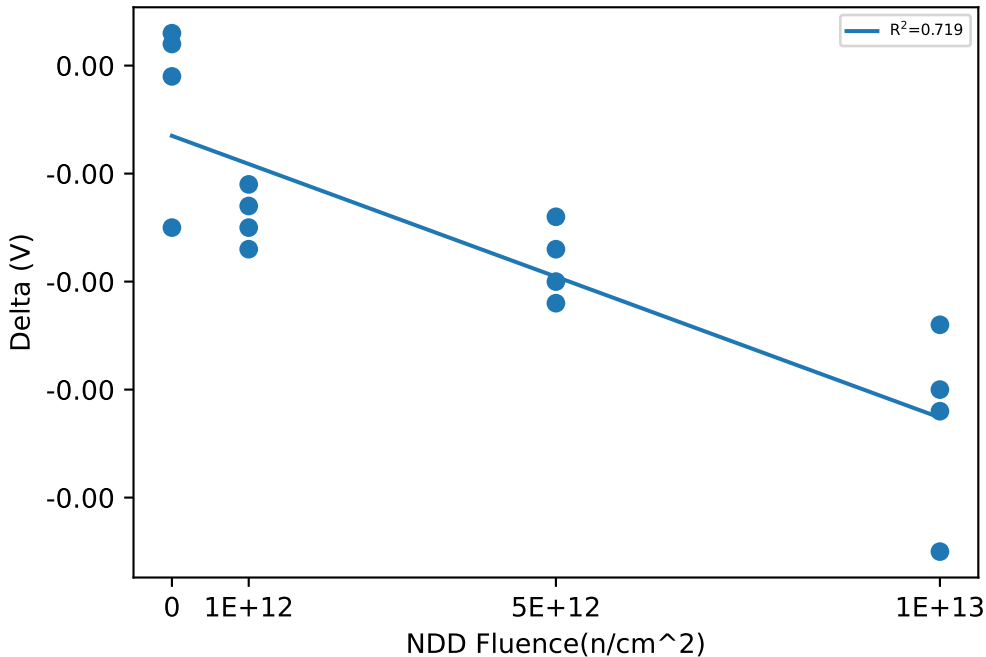
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.003	1.0013	-0.0017
489	1e+12	NDD	1.0028	1.0017	-0.0011
583	1e+12	NDD	0.9982	0.9969	-0.0013
594	1e+12	NDD	0.9983	0.9968	-0.0015
624	5e+12	NDD	1.0001	0.9987	-0.0014
839	5e+12	NDD	0.994	0.9918	-0.0022
919	5e+12	NDD	0.9908	0.9891	-0.0017
938	5e+12	NDD	1.0049	1.0029	-0.002
988	1e+13	NDD	1.0017	0.9987	-0.003
1176	1e+13	NDD	0.9986	0.9954	-0.0032
1197	1e+13	NDD	0.9911	0.9866	-0.0045
1246	0	CORRELATION	0.9999	1.0002	0.0003
1277	1e+13	NDD	0.9851	0.9827	-0.0024
1357	0	CORRELATION	0.9953	0.9955	0.0002
1410	0	CORRELATION	0.9894	0.9879	-0.0015
1437	0	CORRELATION	0.9971	0.997	-0.0001

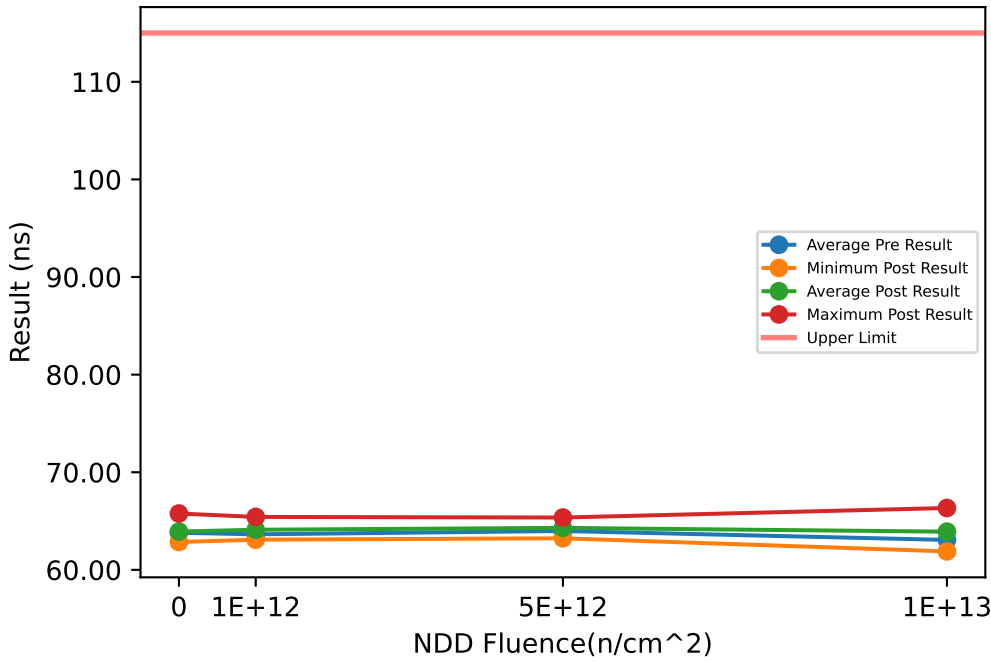
NDD vs Post - Pre Exposure Delta



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	0.9894	0.99543	0.9999	0.0044403	0.9879	0.99515	1.0002	0.0052157	-0.0015	-0.000275	0.0003	0.00083417
1e+12	0.9982	1.0006	1.003	0.0026862	0.9968	0.99918	1.0017	0.00269	-0.0017	-0.0014	-0.0011	0.0002582
5e+12	0.9908	0.99745	1.0049	0.0062889	0.9891	0.99562	1.0029	0.0063137	-0.0022	-0.001825	-0.0014	0.00035
1e+13	0.9851	0.99413	1.0017	0.0074835	0.9827	0.99085	0.9987	0.0074568	-0.0045	-0.003275	-0.0024	0.00088459

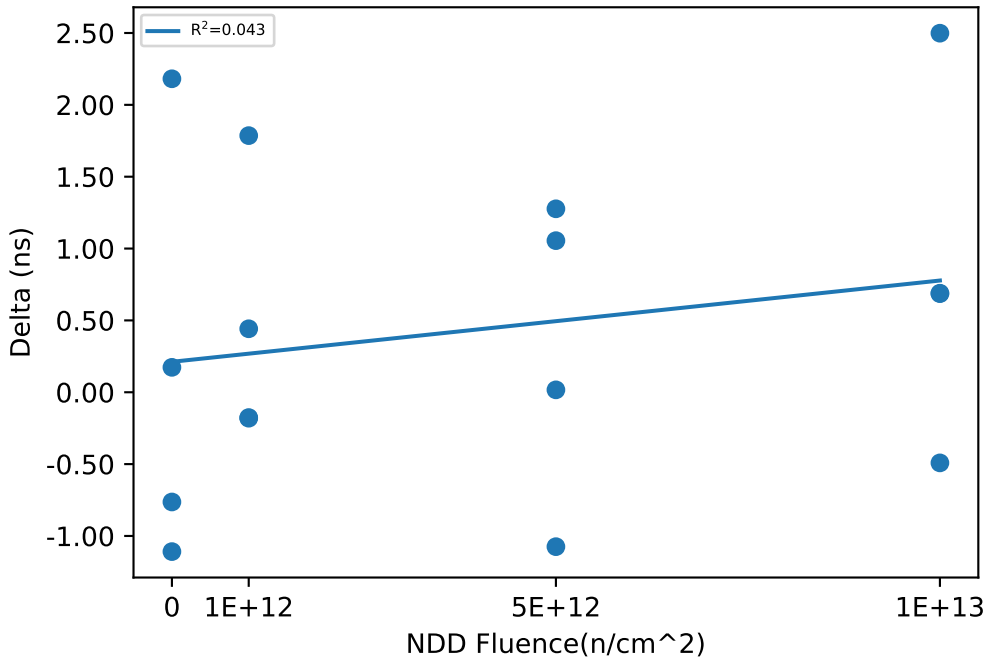
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	63.271	63.09	-0.1805
489	1e+12	NDD	63.308	63.749	0.4418
583	1e+12	NDD	63.637	65.423	1.7859
594	1e+12	NDD	64.346	64.17	-0.1761
624	5e+12	NDD	64.304	65.359	1.055
839	5e+12	NDD	63.274	63.291	0.0168
919	5e+12	NDD	64.036	65.312	1.2766
938	5e+12	NDD	64.308	63.234	-1.0745
988	1e+13	NDD	63.502	64.192	0.6892
1176	1e+13	NDD	63.837	66.336	2.4986
1197	1e+13	NDD	62.382	61.89	-0.4915
1246	0	CORRELATION	63.588	65.769	2.1814
1277	1e+13	NDD	62.544	63.231	0.6864
1357	0	CORRELATION	63.477	63.65	0.1734
1410	0	CORRELATION	63.962	62.853	-1.1088
1437	0	CORRELATION	64.171	63.408	-0.7635

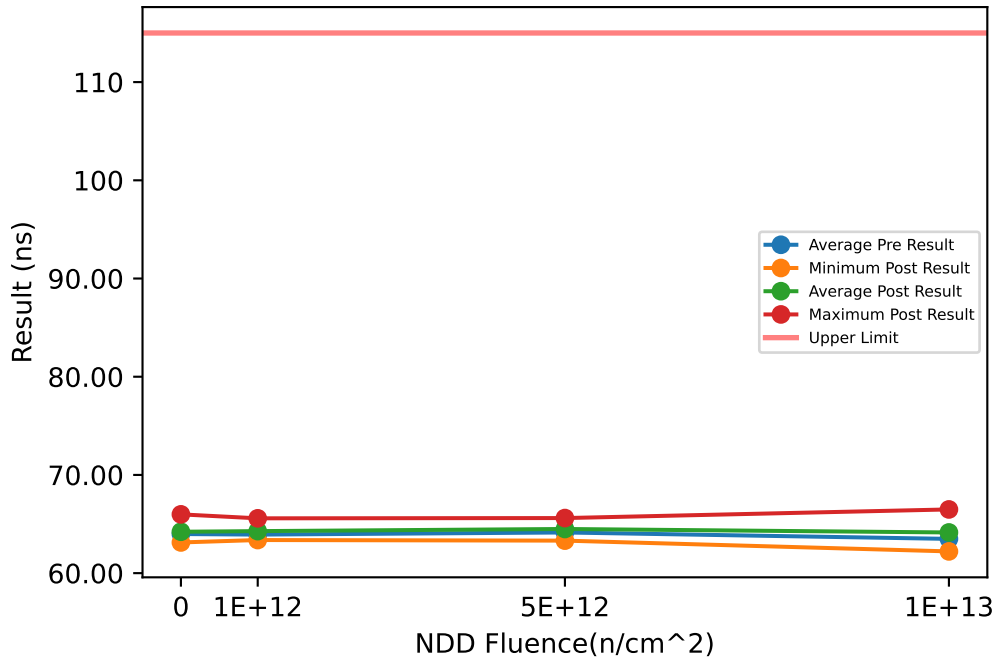
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.477	63.8	64.171	0.32338	62.853	63.92	65.769	1.2772	-1.1088	0.12062	2.1814	1.4768
1e+12	63.271	63.64	64.346	0.49851	63.09	64.108	65.423	0.98262	-0.1805	0.46778	1.7859	0.9261
5e+12	63.274	63.981	64.308	0.48772	63.234	64.299	65.359	1.1974	-1.0745	0.31848	1.2766	1.0789
1e+13	62.382	63.066	63.837	0.71298	61.89	63.912	66.336	1.8711	-0.4915	0.84567	2.4986	1.2342

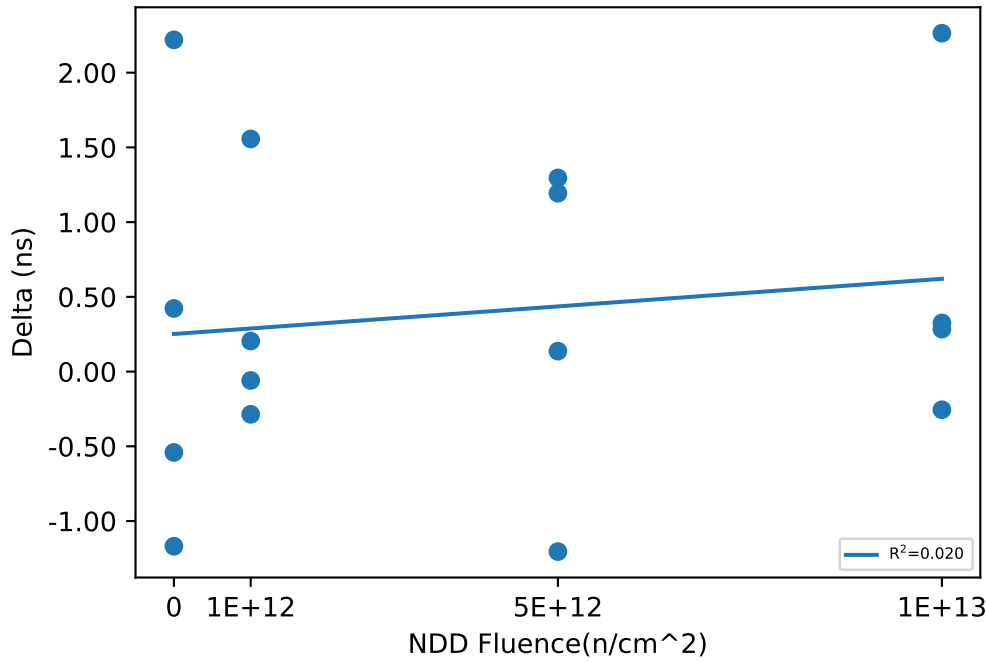
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	63.431	63.371	-0.0593
489	1e+12	NDD	63.696	63.9	0.2042
583	1e+12	NDD	64.025	65.582	1.5565
594	1e+12	NDD	64.549	64.263	-0.286
624	5e+12	NDD	64.312	65.608	1.2958
839	5e+12	NDD	63.464	63.6	0.1367
919	5e+12	NDD	64.271	65.465	1.1935
938	5e+12	NDD	64.515	63.311	-1.2044
988	1e+13	NDD	64.139	64.464	0.3256
1176	1e+13	NDD	64.223	66.487	2.2642
1197	1e+13	NDD	62.469	62.214	-0.2552
1246	0	CORRELATION	63.766	65.986	2.2198
1277	1e+13	NDD	63.123	63.408	0.2841
1357	0	CORRELATION	63.548	63.971	0.4225
1410	0	CORRELATION	64.294	63.126	-1.1687
1437	0	CORRELATION	64.321	63.78	-0.5409

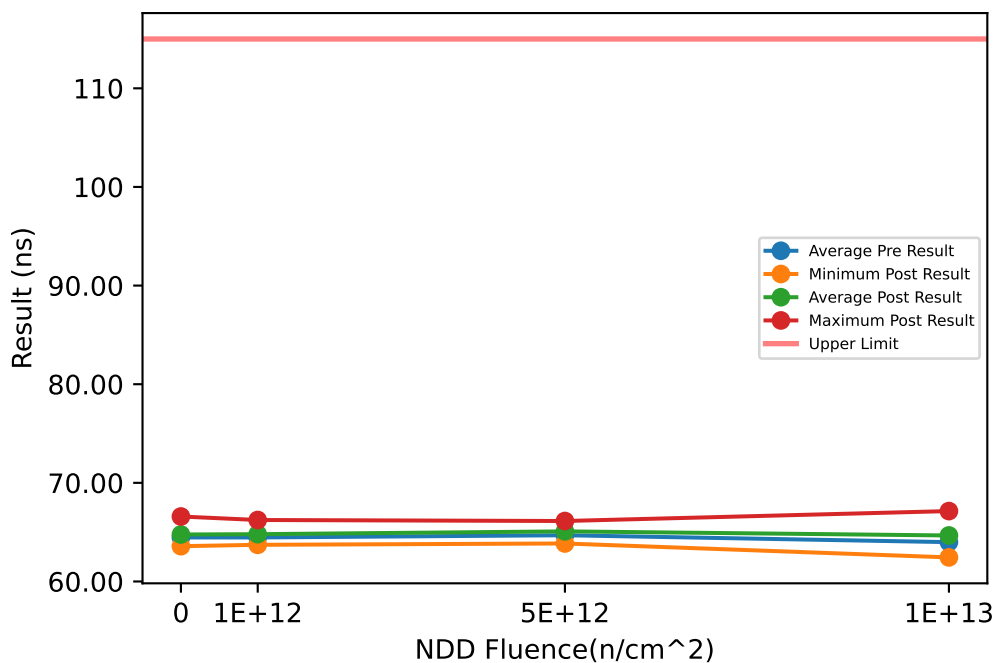
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.548	63.982	64.321	0.38611	63.126	64.216	65.986	1.2343	-1.1687	0.23317	2.2198	1.4773
1e+12	63.431	63.925	64.549	0.48185	63.371	64.279	65.582	0.94246	-0.286	0.35385	1.5565	0.82641
5e+12	63.464	64.141	64.515	0.46388	63.311	64.496	65.608	1.2086	-1.2044	0.3554	1.2958	1.1644
1e+13	62.469	63.489	64.223	0.84338	62.214	64.143	66.487	1.8129	-0.2552	0.65468	2.2642	1.1051

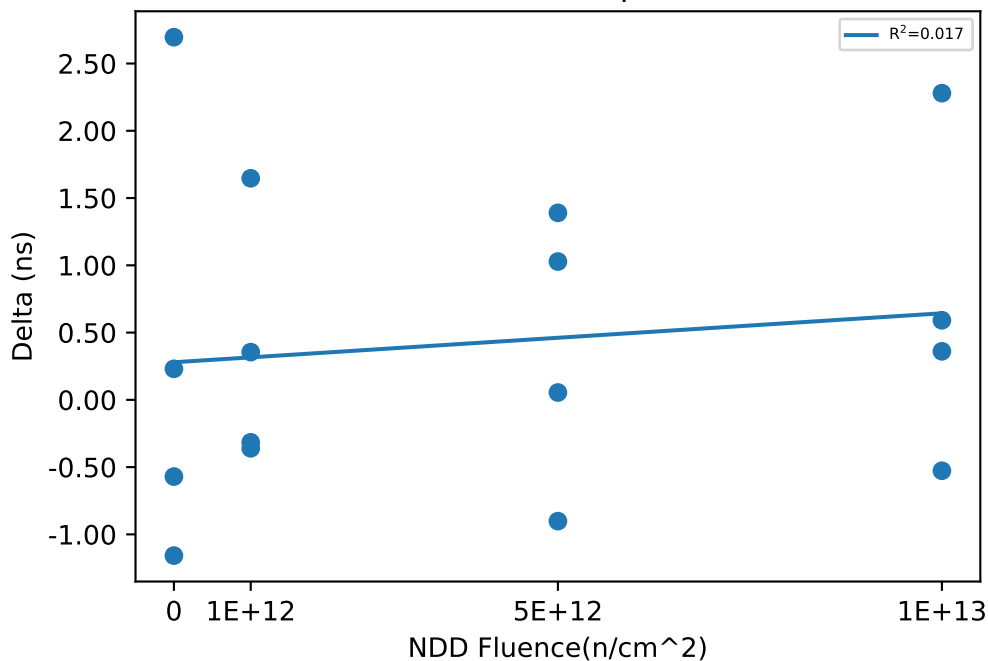
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	64.033	63.717	-0.3155
489	1e+12	NDD	64.198	64.552	0.3547
583	1e+12	NDD	64.586	66.233	1.647
594	1e+12	NDD	65.038	64.678	-0.3601
624	5e+12	NDD	65.103	66.131	1.0281
839	5e+12	NDD	64.17	64.225	0.0546
919	5e+12	NDD	64.722	66.112	1.3902
938	5e+12	NDD	64.754	63.853	-0.9016
988	1e+13	NDD	64.636	64.997	0.3608
1176	1e+13	NDD	64.857	67.137	2.2796
1197	1e+13	NDD	62.968	62.441	-0.527
1246	0	CORRELATION	63.892	66.587	2.6957
1277	1e+13	NDD	63.494	64.086	0.5915
1357	0	CORRELATION	64.284	64.514	0.2307
1410	0	CORRELATION	64.736	63.578	-1.1577
1437	0	CORRELATION	64.943	64.372	-0.5703

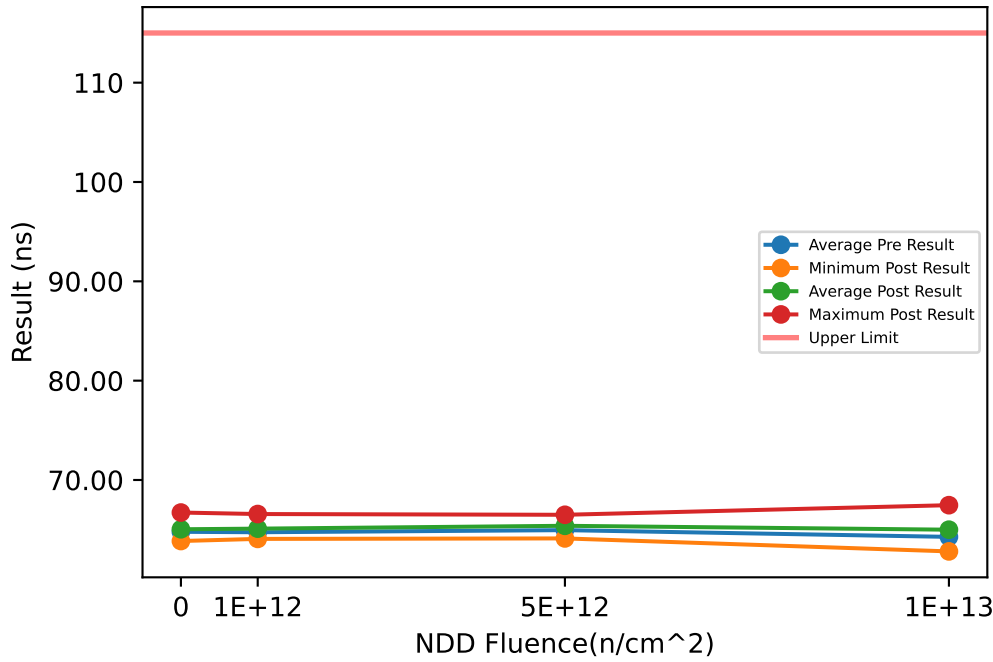
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.892	64.463	64.943	0.47027	63.578	64.763	66.587	1.284	-1.1577	0.2996	2.6957	1.6957
1e+12	64.033	64.464	65.038	0.44768	63.717	64.795	66.233	1.049	-0.3601	0.33153	1.647	0.93595
5e+12	64.17	64.687	65.103	0.38563	63.853	65.08	66.131	1.212	-0.9016	0.39283	1.3902	1.0309
1e+13	62.968	63.989	64.857	0.90523	62.441	64.665	67.137	1.9578	-0.527	0.67623	2.2796	1.1726

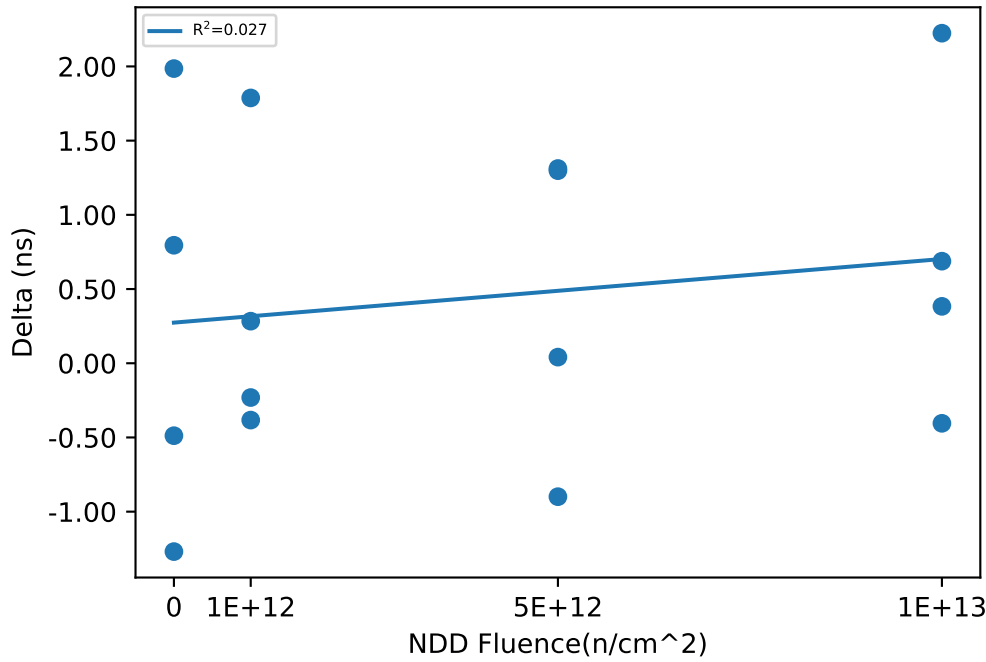
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	64.3	64.069	-0.231
489	1e+12	NDD	64.553	64.836	0.2835
583	1e+12	NDD	64.784	66.572	1.7877
594	1e+12	NDD	65.314	64.931	-0.383
624	5e+12	NDD	65.199	66.496	1.2976
839	5e+12	NDD	64.478	64.519	0.0413
919	5e+12	NDD	65.108	66.421	1.3121
938	5e+12	NDD	65.016	64.117	-0.8991
988	1e+13	NDD	64.98	65.364	0.3834
1176	1e+13	NDD	65.24	67.464	2.2239
1197	1e+13	NDD	63.215	62.811	-0.4047
1246	0	CORRELATION	64.737	66.723	1.9855
1277	1e+13	NDD	63.658	64.346	0.6878
1357	0	CORRELATION	64.114	64.909	0.795
1410	0	CORRELATION	65.124	63.855	-1.2691
1437	0	CORRELATION	65.157	64.669	-0.4881

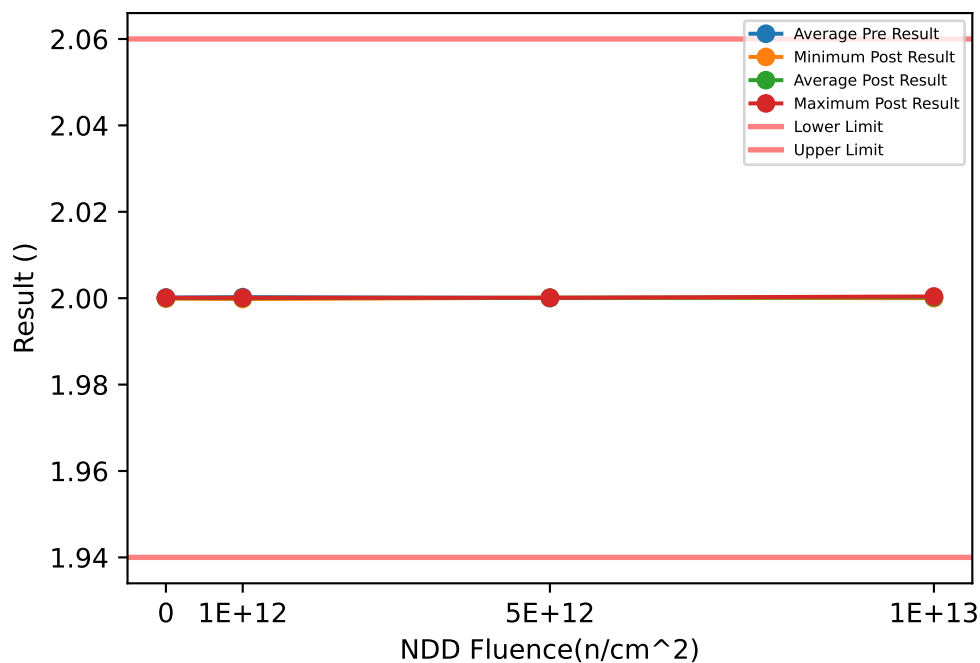
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	64.114	64.783	65.157	0.48539	63.855	65.039	66.723	1.2097	-1.2691	0.25583	1.9855	1.4331
1e+12	64.3	64.738	65.314	0.43218	64.069	65.102	66.572	1.0531	-0.383	0.3643	1.7877	0.99086
5e+12	64.478	64.95	65.199	0.32362	64.117	65.388	66.496	1.2468	-0.8991	0.43798	1.3121	1.0721
1e+13	63.215	64.273	65.24	0.98856	62.811	64.996	67.464	1.9514	-0.4047	0.7226	2.2239	1.1017

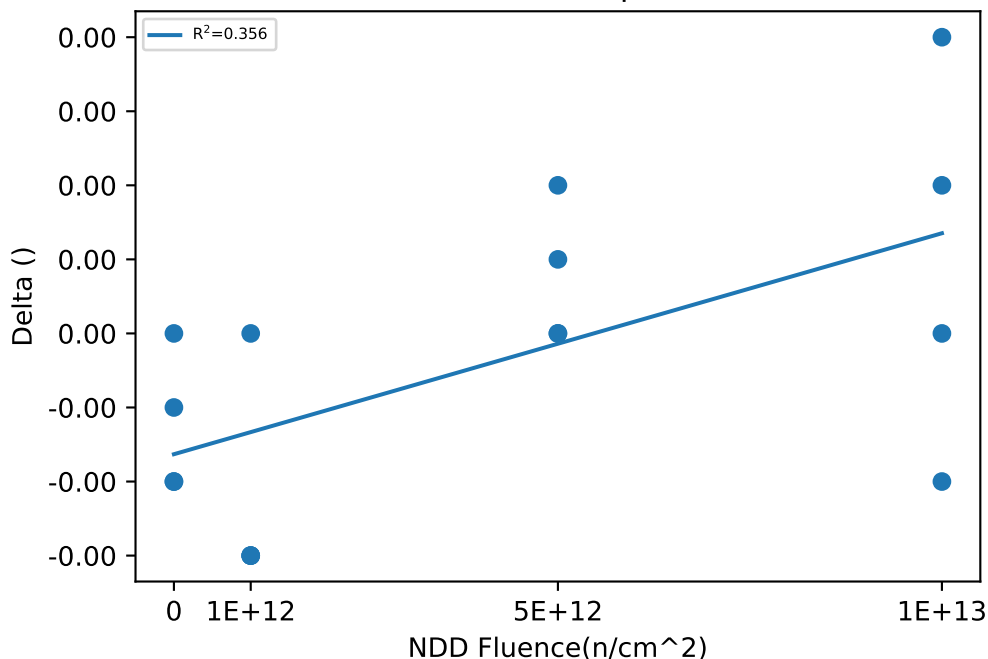
NDD vs Result Stats



Test Results (Lower Limit = 1.94, Upper Limit = 2.06 ())

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2.0004	2.0001	-0.0003
489	1e+12	NDD	2.0001	2.0001	0
583	1e+12	NDD	2.0004	2.0001	-0.0003
594	1e+12	NDD	2.0001	1.9998	-0.0003
624	5e+12	NDD	2.0001	2.0001	0
839	5e+12	NDD	2.0001	2.0001	0
919	5e+12	NDD	2	2.0001	0.0001
938	5e+12	NDD	1.9999	2.0001	0.0002
988	1e+13	NDD	2	2	0
1176	1e+13	NDD	2.0001	2.0003	0.0002
1197	1e+13	NDD	2	2.0004	0.0004
1246	0	CORRELATION	2.0001	2	-0.0001
1277	1e+13	NDD	2.0003	2.0001	-0.0002
1357	0	CORRELATION	2.0001	1.9999	-0.0002
1410	0	CORRELATION	2.0003	2.0001	-0.0002
1437	0	CORRELATION	2.0001	2.0001	0

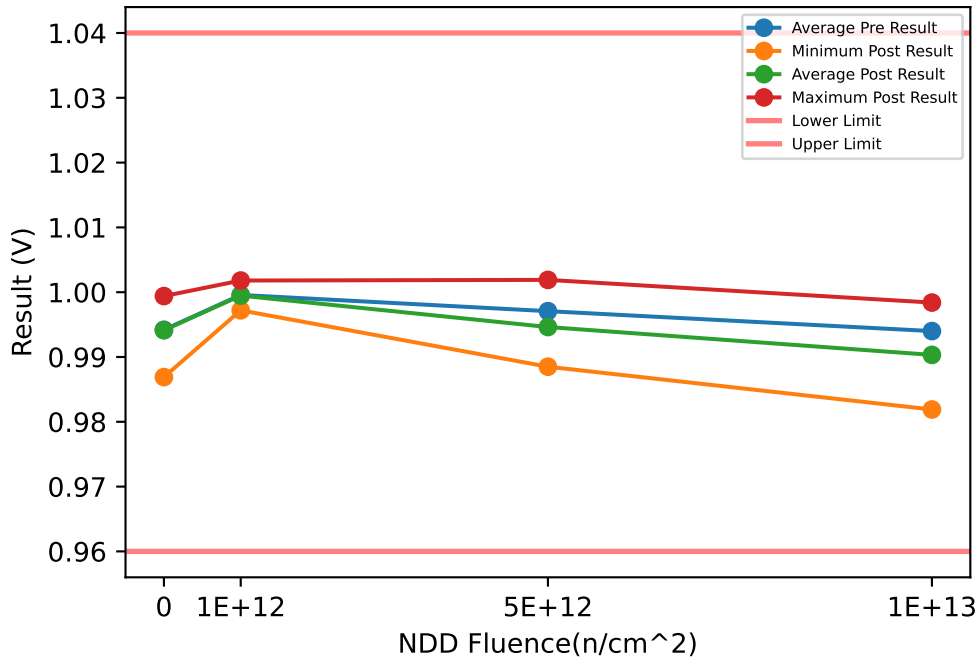
NDD vs Post - Pre Exposure Delta



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	2.0001	2.0002	2.0003	0.0001	1.9999	2	2.0001	9.5743e-05	-0.0002	-0.000125	0	9.5743e-05
1e+12	2.0001	2.0003	2.0004	0.00017321	1.9998	2	2.0001	0.00015	-0.0003	-0.000225	0	0.00015
5e+12	1.9999	2	2.0001	9.5743e-05	2.0001	2.0001	2.0001	0	0	7.5e-05	0.0002	9.5743e-05
1e+13	2	2.0001	2.0003	0.00014142	2	2.0002	2.0004	0.00018257	-0.0002	0.0001	0.0004	0.0002582

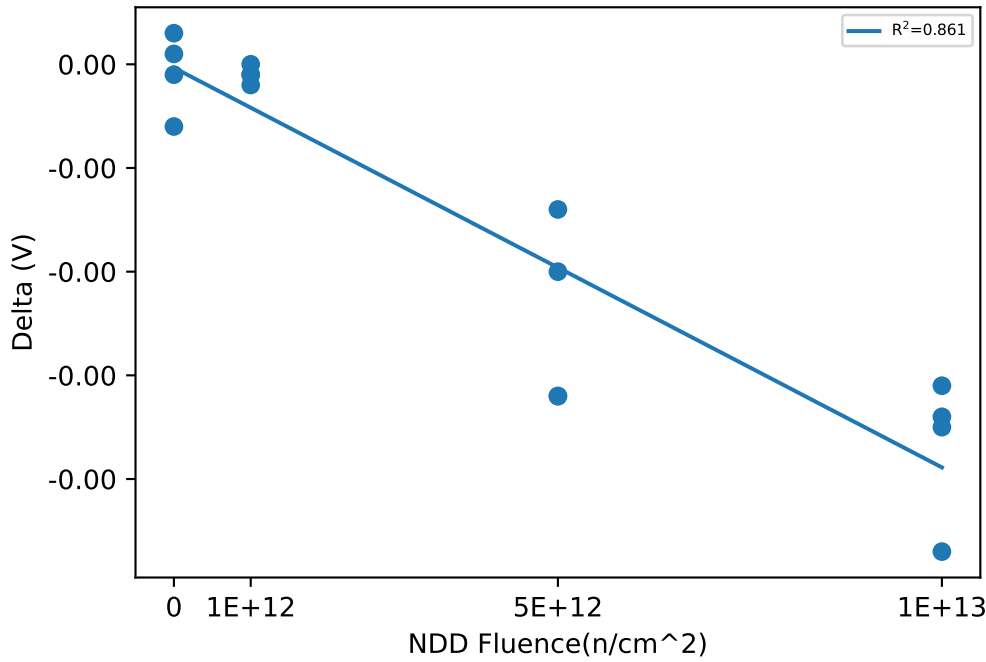
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.0019	1.0018	-0.0001
489	1e+12	NDD	1.0017	1.0015	-0.0002
583	1e+12	NDD	0.9973	0.9972	-0.0001
594	1e+12	NDD	0.9974	0.9974	0
624	5e+12	NDD	1.0003	0.9971	-0.0032
839	5e+12	NDD	0.993	0.991	-0.002
919	5e+12	NDD	0.9899	0.9885	-0.0014
938	5e+12	NDD	1.0051	1.0019	-0.0032
988	1e+13	NDD	1.0018	0.9984	-0.0034
1176	1e+13	NDD	0.9989	0.9942	-0.0047
1197	1e+13	NDD	0.9899	0.9868	-0.0031
1246	0	CORRELATION	0.9991	0.9994	0.0003
1277	1e+13	NDD	0.9854	0.9819	-0.0035
1357	0	CORRELATION	0.9946	0.9947	0.0001
1410	0	CORRELATION	0.987	0.9869	-0.0001
1437	0	CORRELATION	0.9961	0.9955	-0.0006

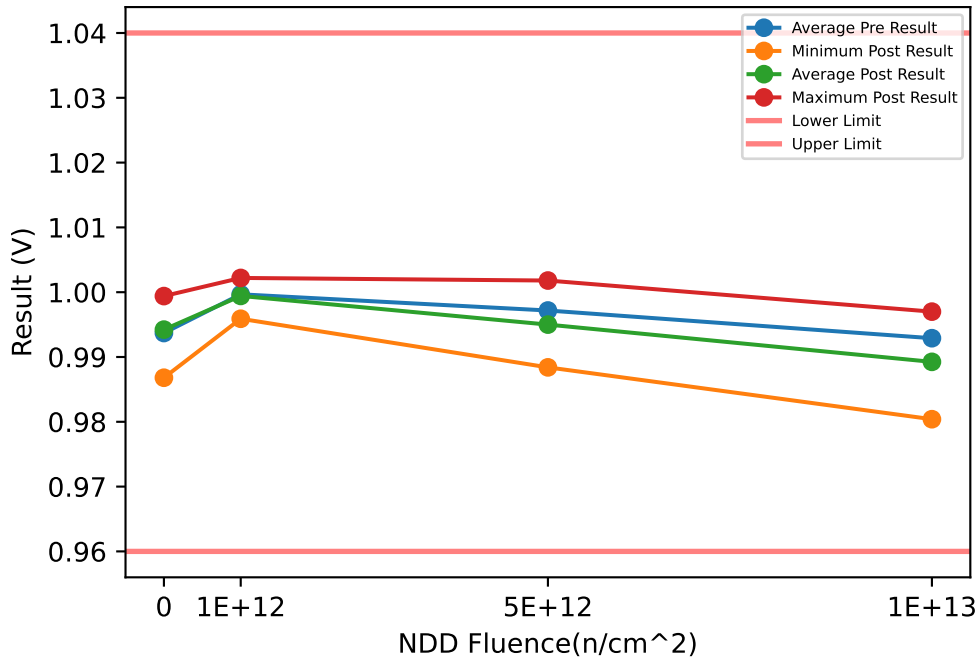
NDD vs Post - Pre Exposure Delta



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	0.987	0.9942	0.9991	0.0051517	0.9869	0.99413	0.9994	0.005236	-0.0006	-7.5e-05	0.0003	0.00038622
1e+12	0.9973	0.99957	1.0019	0.0025708	0.9972	0.99948	1.0018	0.0025158	-0.0002	-0.0001	0	8.165e-05
5e+12	0.9899	0.99708	1.0051	0.0069014	0.9885	0.99462	1.0019	0.0060472	-0.0032	-0.00245	-0.0014	0.0009
1e+13	0.9854	0.994	1.0018	0.0076511	0.9819	0.99033	0.9984	0.0073853	-0.0047	-0.003675	-0.0031	0.00070415

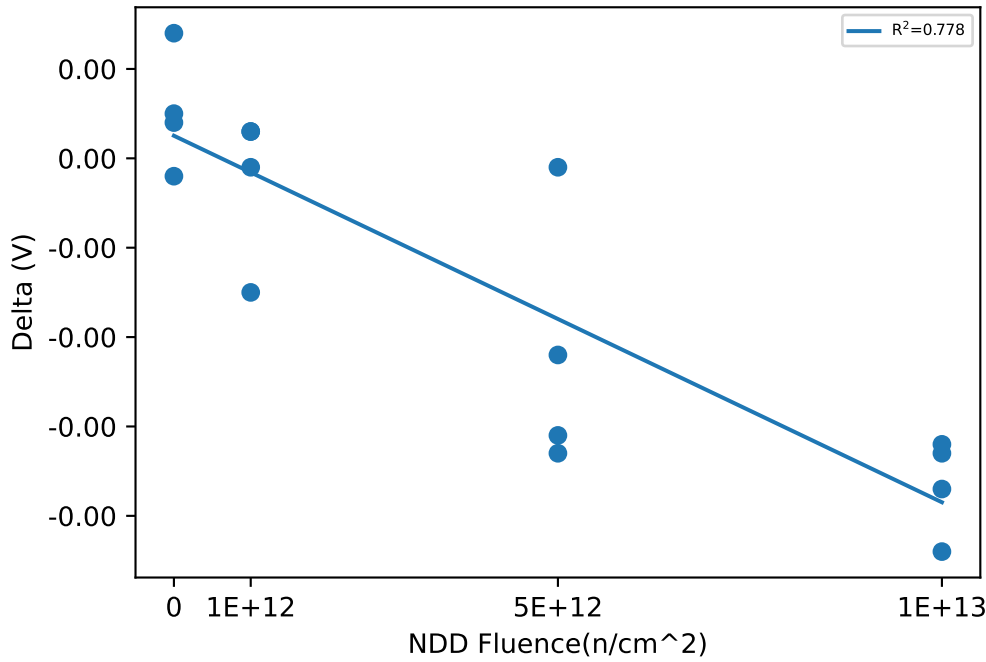
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.002	1.0019	-0.0001
489	1e+12	NDD	1.0019	1.0022	0.0003
583	1e+12	NDD	0.9974	0.9977	0.0003
594	1e+12	NDD	0.9974	0.9959	-0.0015
624	5e+12	NDD	0.9991	0.999	-0.0001
839	5e+12	NDD	0.993	0.9908	-0.0022
919	5e+12	NDD	0.9915	0.9884	-0.0031
938	5e+12	NDD	1.0051	1.0018	-0.0033
988	1e+13	NDD	1.0003	0.997	-0.0033
1176	1e+13	NDD	0.9974	0.9942	-0.0032
1197	1e+13	NDD	0.9898	0.9854	-0.0044
1246	0	CORRELATION	0.9989	0.9994	0.0005
1277	1e+13	NDD	0.9841	0.9804	-0.0037
1357	0	CORRELATION	0.9943	0.9947	0.0004
1410	0	CORRELATION	0.987	0.9868	-0.0002
1437	0	CORRELATION	0.9946	0.996	0.0014

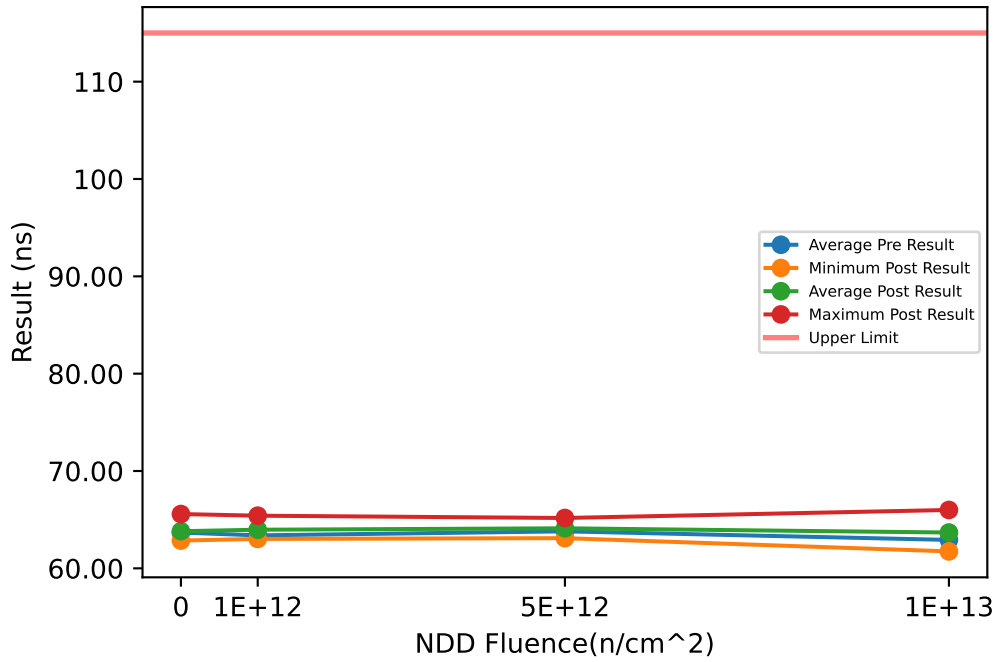
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.987	0.9937	0.9989	0.0049363	0.9868	0.99423	0.9994	0.0053319	-0.0002	0.000525	0.0014	0.00066018
1e+12	0.9974	0.99967	1.002	0.0026273	0.9959	0.99943	1.0022	0.0031213	-0.0015	-0.00025	0.0003	0.0008544
5e+12	0.9915	0.99718	1.0051	0.0062222	0.9884	0.995	1.0018	0.0064146	-0.0033	-0.002175	-0.0001	0.0014637
1e+13	0.9841	0.9929	1.0003	0.0073498	0.9804	0.98925	0.997	0.0076965	-0.0044	-0.00365	-0.0032	0.00054467

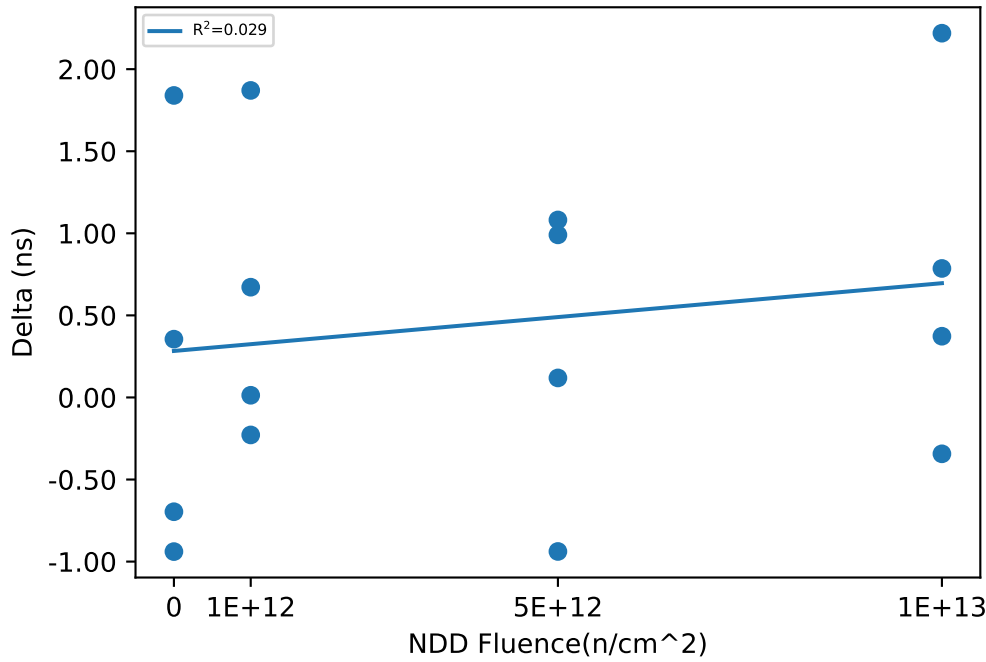
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	63.008	63.021	0.0133
489	1e+12	NDD	62.932	63.604	0.6717
583	1e+12	NDD	63.539	65.409	1.8705
594	1e+12	NDD	64.066	63.837	-0.2284
624	5e+12	NDD	64.183	65.173	0.9905
839	5e+12	NDD	63.049	63.168	0.1189
919	5e+12	NDD	63.933	65.014	1.0813
938	5e+12	NDD	64.04	63.101	-0.9383
988	1e+13	NDD	63.639	64.012	0.373
1176	1e+13	NDD	63.778	65.997	2.2191
1197	1e+13	NDD	62.084	61.74	-0.3434
1246	0	CORRELATION	63.737	65.577	1.8399
1277	1e+13	NDD	62.183	62.968	0.7859
1357	0	CORRELATION	63.195	63.55	0.3551
1410	0	CORRELATION	63.792	62.853	-0.9391
1437	0	CORRELATION	63.975	63.279	-0.6962

NDD vs Post - Pre Exposure Delta

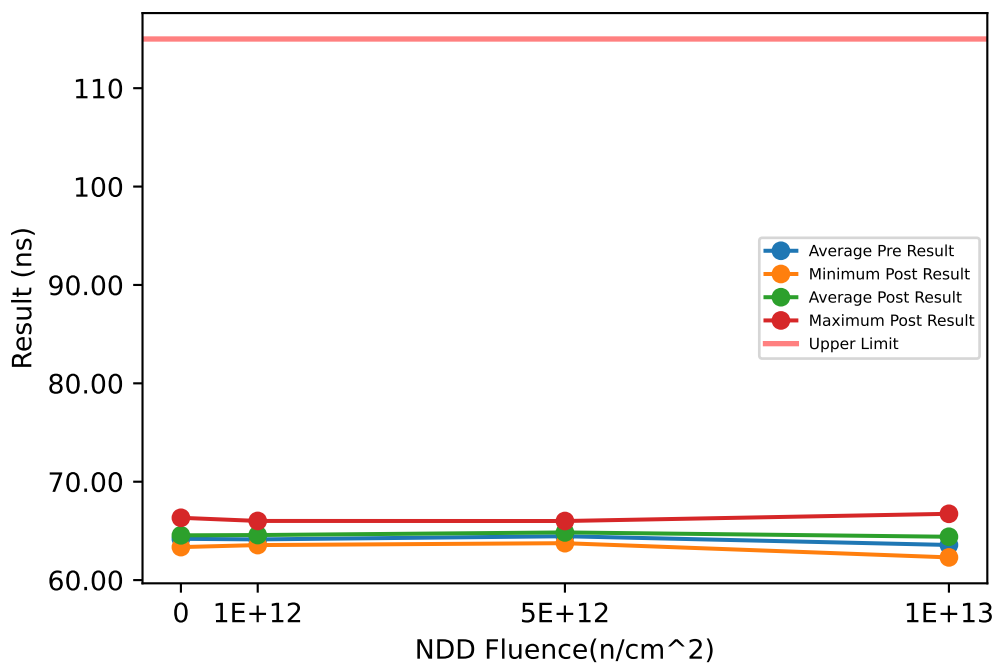


Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.195	63.675	63.975	0.33568	62.853	63.815	65.577	1.2096	-0.9391	0.13992	1.8399	1.2649
1e+12	62.932	63.386	64.066	0.52738	63.021	63.968	65.409	1.0204	-0.2284	0.58178	1.8705	0.93958
5e+12	63.049	63.801	64.183	0.5117	63.101	64.114	65.173	1.1333	-0.9383	0.3131	1.0813	0.94034
1e+13	62.084	62.921	63.778	0.91233	61.74	63.68	65.997	1.8027	-0.3434	0.75865	2.2191	1.0796

Device Test: 28.20 TIMING|DELAY/CS/8/8/0/1000/5/100kHz//@CS_ILIM_DELAY

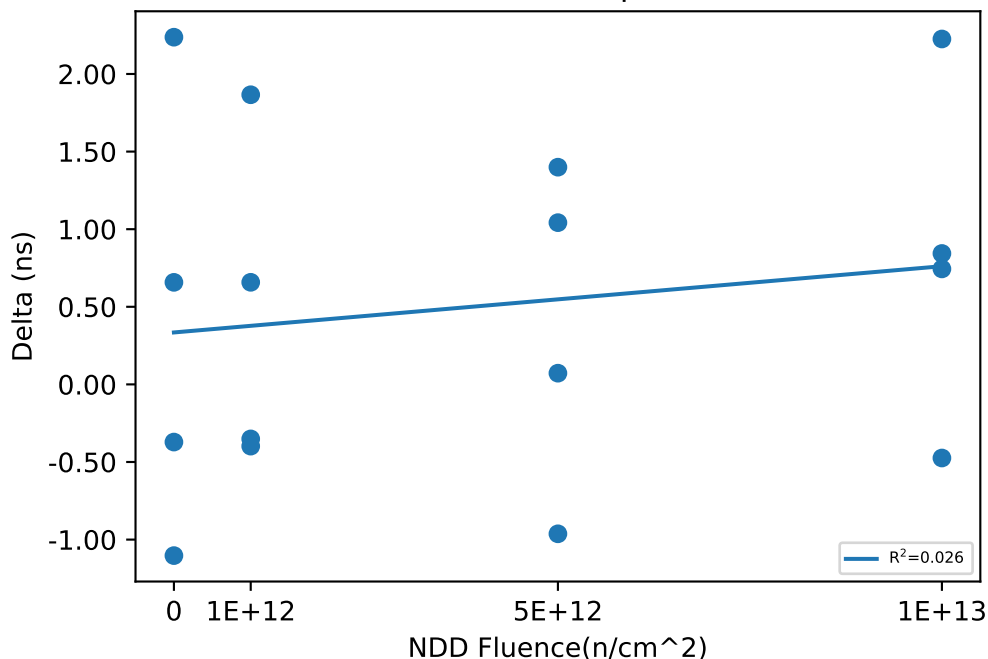
NDD vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	63.958	63.56	-0.3978
489	1e+12	NDD	63.639	64.297	0.6578
583	1e+12	NDD	64.147	66.013	1.8662
594	1e+12	NDD	64.798	64.446	-0.3513
624	5e+12	NDD	64.606	66.006	1.3995
839	5e+12	NDD	63.763	63.835	0.0722
919	5e+12	NDD	64.746	65.788	1.0421
938	5e+12	NDD	64.715	63.752	-0.9627
988	1e+13	NDD	63.96	64.804	0.8435
1176	1e+13	NDD	64.513	66.738	2.2255
1197	1e+13	NDD	62.782	62.307	-0.4743
1246	0	CORRELATION	64.096	66.333	2.237
1277	1e+13	NDD	63.028	63.772	0.7441
1357	0	CORRELATION	63.667	64.325	0.6575
1410	0	CORRELATION	64.457	63.354	-1.1031
1437	0	CORRELATION	64.569	64.197	-0.3716

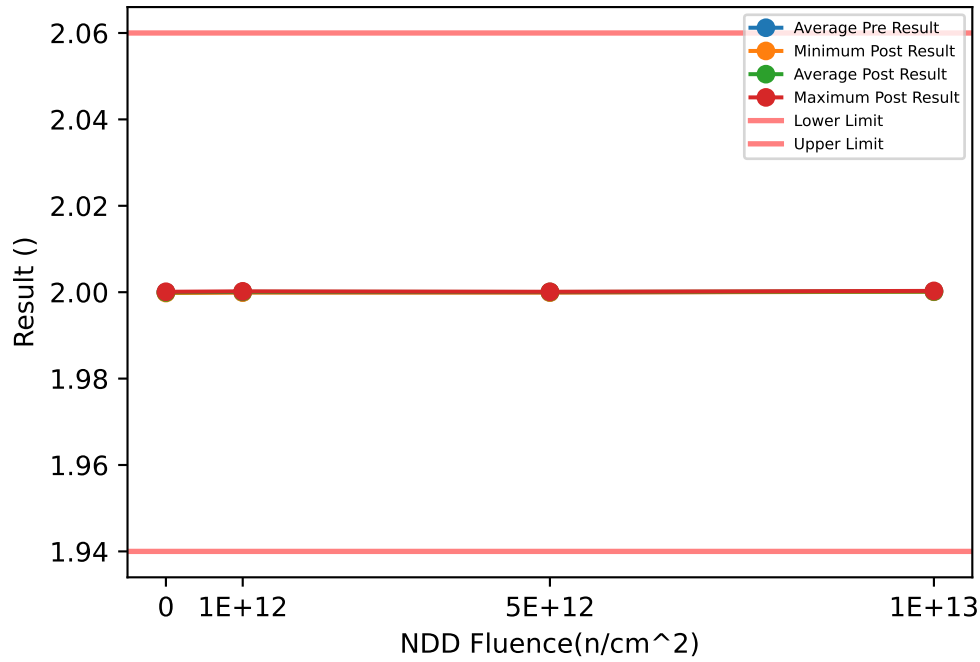
NDD vs Post - Pre Exposure Delta



Test Statistics (ns)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.667	64.197	64.569	0.40689	63.354	64.552	66.333	1.2631	-1.1031	0.35495	2.237	1.4477
1e+12	63.639	64.135	64.798	0.48874	63.56	64.579	66.013	1.0315	-0.3978	0.44372	1.8662	1.0661
5e+12	63.763	64.458	64.746	0.46682	63.752	64.845	66.006	1.2179	-0.9627	0.38777	1.3995	1.0607
1e+13	62.782	63.57	64.513	0.80763	62.307	64.405	66.738	1.8623	-0.4743	0.8347	2.2255	1.1039

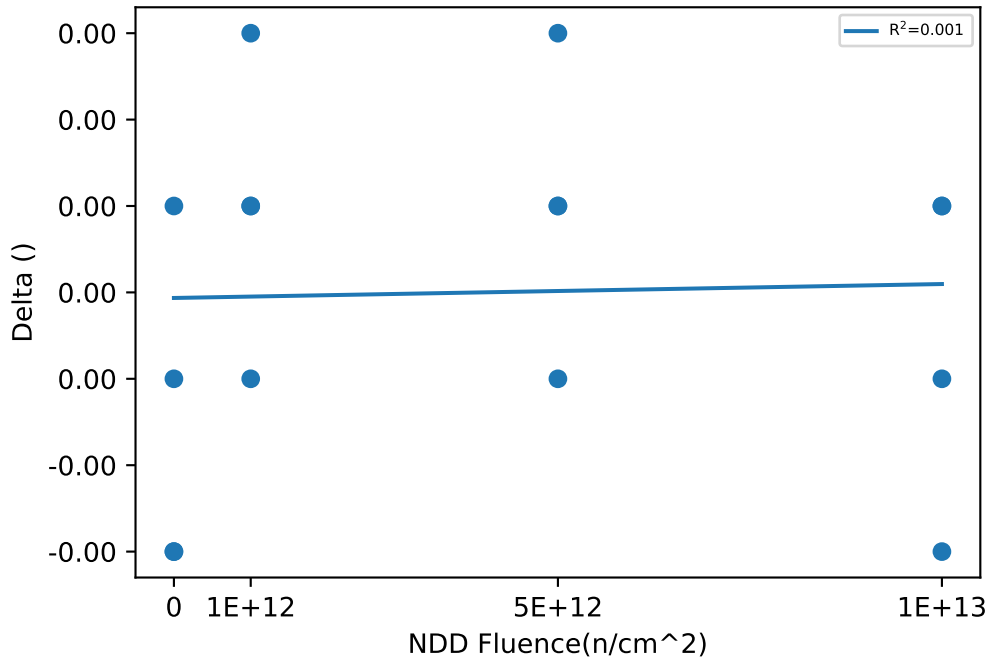
NDD vs Result Stats



Test Results (Lower Limit = 1.94, Upper Limit = 2.06 ())

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2	2.0001	0.0001
489	1e+12	NDD	1.9999	1.9999	0
583	1e+12	NDD	2.0001	2.0002	0.0001
594	1e+12	NDD	1.9999	2.0001	0.0002
624	5e+12	NDD	2.0001	2.0001	0
839	5e+12	NDD	2	2.0001	0.0001
919	5e+12	NDD	1.9998	1.9999	0.0001
938	5e+12	NDD	1.9999	2.0001	0.0002
988	1e+13	NDD	2.0002	2.0001	-0.0001
1176	1e+13	NDD	2.0001	2.0002	0.0001
1197	1e+13	NDD	2.0003	2.0003	0
1246	0	CORRELATION	2	2.0001	0.0001
1277	1e+13	NDD	2	2.0001	0.0001
1357	0	CORRELATION	1.9999	1.9999	0
1410	0	CORRELATION	1.9999	1.9998	-0.0001
1437	0	CORRELATION	2.0001	2	-0.0001

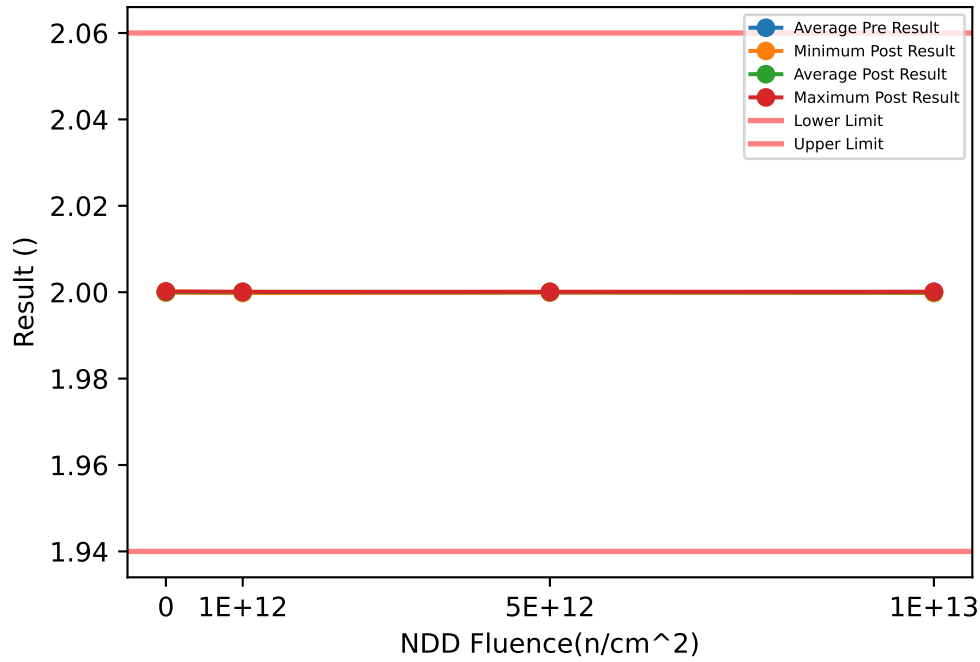
NDD vs Post - Pre Exposure Delta



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	1.9999	2	2.0001	9.5743e-05	1.9998	2	2.0001	0.0001291	-0.0001	-2.5e-05	0.0001	9.5743e-05
1e+12	1.9999	2	2.0001	9.5743e-05	1.9999	2.0001	2.0002	0.00012583	0	0.0001	0.0002	8.165e-05
5e+12	1.9998	2	2.0001	0.0001291	1.9999	2	2.0001	0.0001	0	0.0001	0.0002	8.165e-05
1e+13	2	2.0002	2.0003	0.0001291	2.0001	2.0002	2.0003	9.5743e-05	-0.0001	2.5e-05	0.0001	9.5743e-05

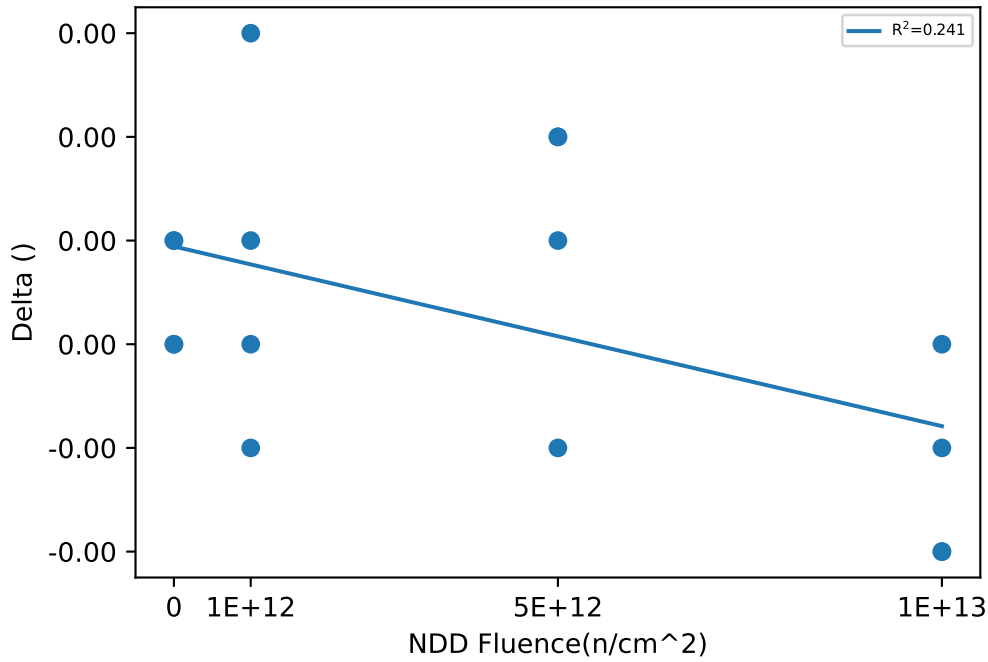
NDD vs Result Stats



Test Results (Lower Limit = 1.94, Upper Limit = 2.06 ())

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	2	2.0001	0.0001
489	1e+12	NDD	2.0001	2.0001	0
583	1e+12	NDD	1.9998	2.0001	0.0003
594	1e+12	NDD	1.9999	1.9998	-0.0001
624	5e+12	NDD	1.9999	2.0001	0.0002
839	5e+12	NDD	2	1.9999	-0.0001
919	5e+12	NDD	2	2.0001	0.0001
938	5e+12	NDD	1.9999	2.0001	0.0002
988	1e+13	NDD	2.0001	1.9999	-0.0002
1176	1e+13	NDD	2	1.9998	-0.0002
1197	1e+13	NDD	2.0001	2.0001	0
1246	0	CORRELATION	2.0001	2.0001	0
1277	1e+13	NDD	2.0001	2	-0.0001
1357	0	CORRELATION	1.9999	2	0.0001
1410	0	CORRELATION	1.9999	1.9999	0
1437	0	CORRELATION	2.0001	2.0002	0.0001

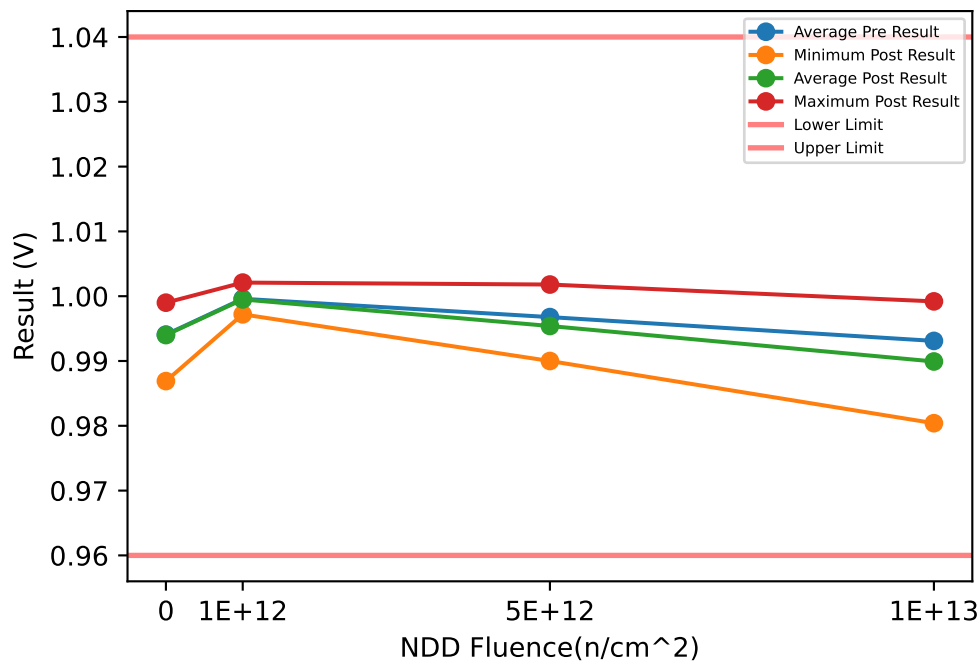
NDD vs Post - Pre Exposure Delta



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	1.9999	2	2.0001	0.00011547	1.9999	2	2.0002	0.0001291	0	5e-05	0.0001	5.7735e-05
1e+12	1.9998	2	2.0001	0.0001291	1.9998	2	2.0001	0.00015	-0.0001	7.5e-05	0.0003	0.00017078
5e+12	1.9999	2	2	5.7735e-05	1.9999	2.0001	2.0001	0.0001	-0.0001	0.0001	0.0002	0.00014142
1e+13	2	2.0001	2.0001	5e-05	1.9998	2	2.0001	0.0001291	-0.0002	-0.000125	0	9.5743e-05

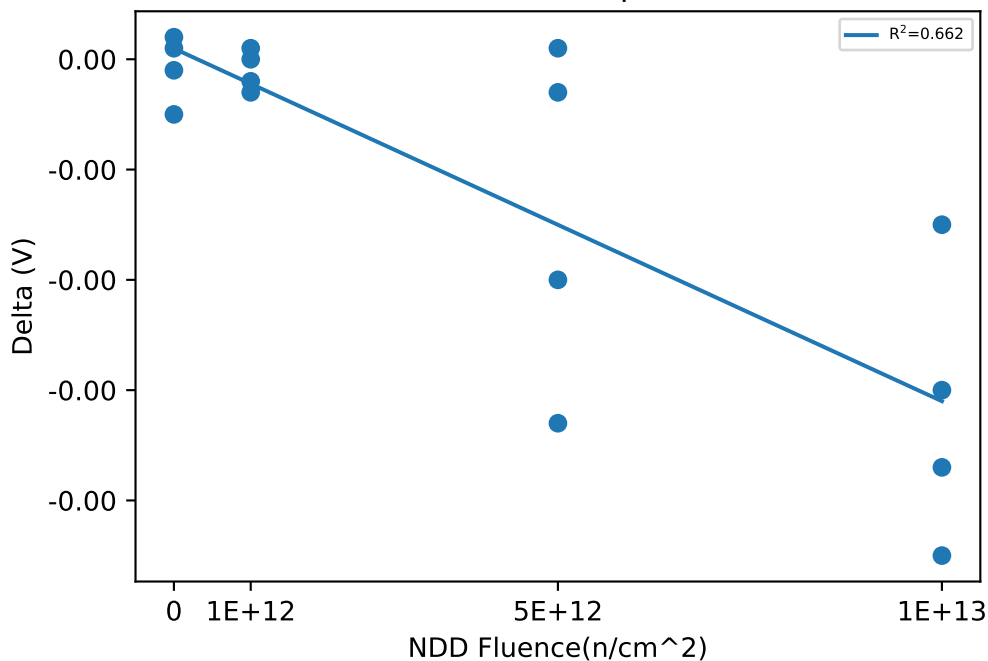
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.002	1.0021	0.0001
489	1e+12	NDD	1.0017	1.0014	-0.0003
583	1e+12	NDD	0.9974	0.9972	-0.0002
594	1e+12	NDD	0.9973	0.9973	0
624	5e+12	NDD	0.9992	0.9989	-0.0003
839	5e+12	NDD	0.9929	0.9909	-0.002
919	5e+12	NDD	0.9899	0.99	0.0001
938	5e+12	NDD	1.0051	1.0018	-0.0033
988	1e+13	NDD	1.0007	0.9992	-0.0015
1176	1e+13	NDD	0.9977	0.9947	-0.003
1197	1e+13	NDD	0.9899	0.9854	-0.0045
1246	0	CORRELATION	0.9988	0.999	0.0002
1277	1e+13	NDD	0.9841	0.9804	-0.0037
1357	0	CORRELATION	0.9946	0.9947	0.0001
1410	0	CORRELATION	0.987	0.9869	-0.0001
1437	0	CORRELATION	0.9959	0.9954	-0.0005

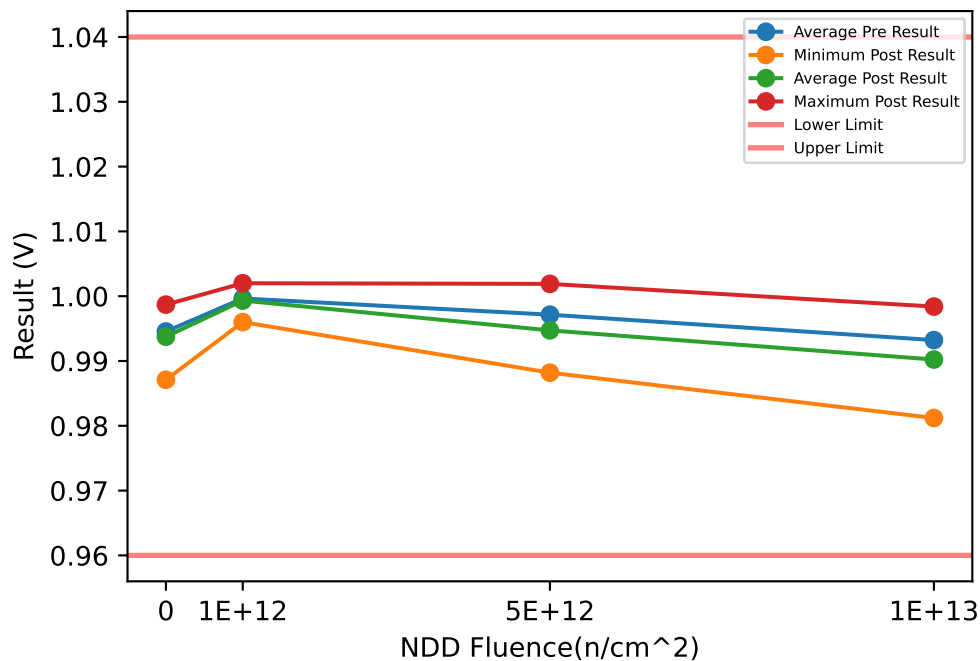
NDD vs Post - Pre Exposure Delta



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	0.987	0.99408	0.9988	0.0050328	0.9869	0.994	0.999	0.0050944	-0.0005	-7.5e-05	0.0002	0.00030957
1e+12	0.9973	0.9996	1.002	0.0026013	0.9972	0.9995	1.0021	0.0026141	-0.0003	-0.0001	0.0001	0.00018257
5e+12	0.9899	0.99677	1.0051	0.0067692	0.99	0.9954	1.0018	0.0058486	-0.0033	-0.001375	0.0001	0.0015735
1e+13	0.9841	0.9931	1.0007	0.0075313	0.9804	0.98993	0.9992	0.008564	-0.0045	-0.003175	-0.0015	0.0012738

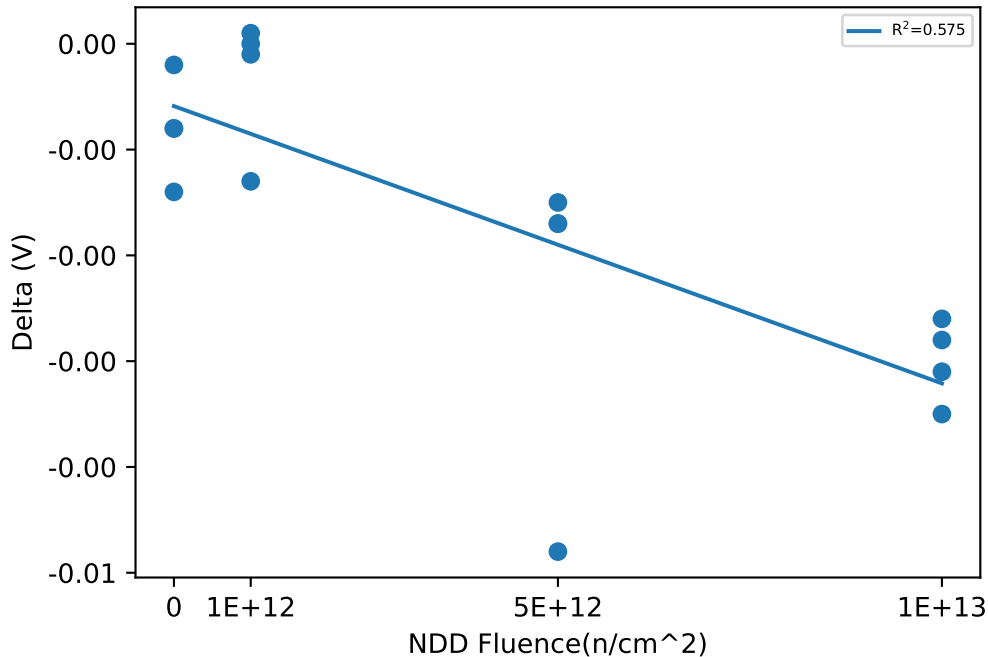
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.0019	1.0019	0
489	1e+12	NDD	1.0019	1.002	0.0001
583	1e+12	NDD	0.9973	0.996	-0.0013
594	1e+12	NDD	0.9975	0.9974	-0.0001
624	5e+12	NDD	0.9991	0.9976	-0.0015
839	5e+12	NDD	0.9929	0.9912	-0.0017
919	5e+12	NDD	0.9899	0.9882	-0.0017
938	5e+12	NDD	1.0067	1.0019	-0.0048
988	1e+13	NDD	1.0019	0.9984	-0.0035
1176	1e+13	NDD	0.9973	0.9945	-0.0028
1197	1e+13	NDD	0.9899	0.9868	-0.0031
1246	0	CORRELATION	0.9989	0.9987	-0.0002
1277	1e+13	NDD	0.9838	0.9812	-0.0026
1357	0	CORRELATION	0.9947	0.9939	-0.0008
1410	0	CORRELATION	0.9885	0.9871	-0.0014
1437	0	CORRELATION	0.9961	0.9953	-0.0008

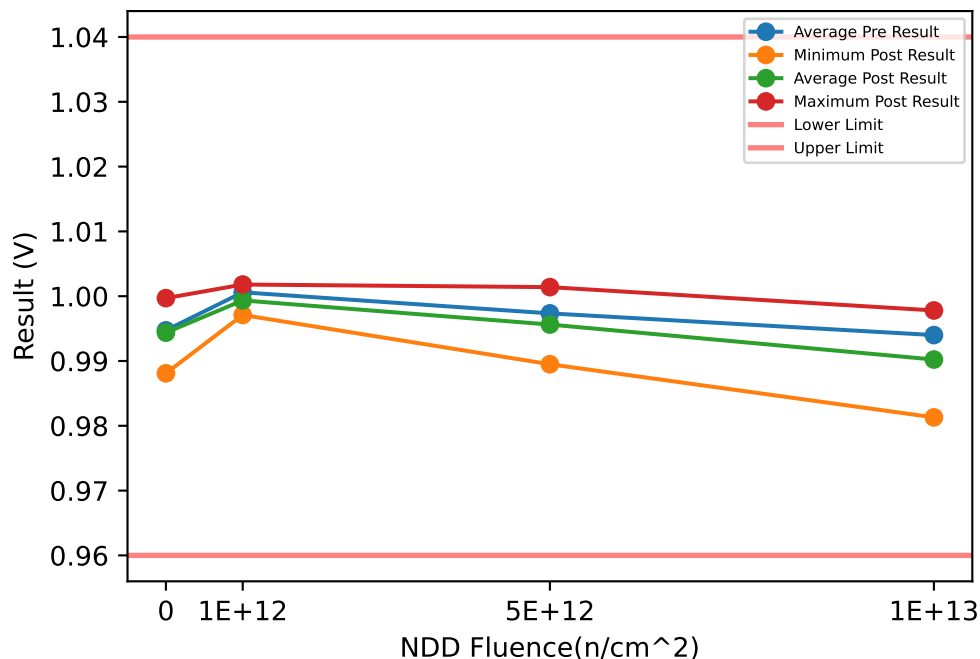
NDD vs Post - Pre Exposure Delta



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	0.9885	0.99455	0.9989	0.0043951	0.9871	0.99375	0.9987	0.00487	-0.0014	-0.0008	-0.0002	0.0004899
1e+12	0.9973	0.99965	1.0019	0.0025994	0.996	0.99933	1.002	0.0030848	-0.0013	-0.000325	0.0001	0.00065511
5e+12	0.9899	0.99715	1.0067	0.0074303	0.9882	0.99472	1.0019	0.0061846	-0.0048	-0.002425	-0.0015	0.0015861
1e+13	0.9838	0.99323	1.0019	0.0079947	0.9812	0.99023	0.9984	0.007709	-0.0035	-0.003	-0.0026	0.00039158

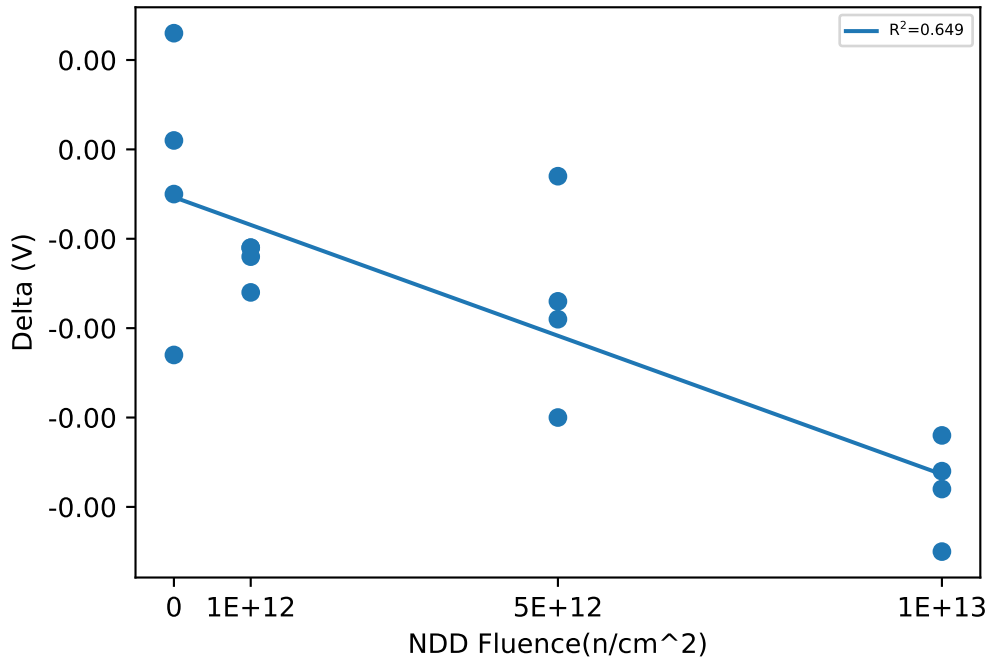
NDD vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
369	1e+12	NDD	1.0029	1.0013	-0.0016
489	1e+12	NDD	1.0029	1.0018	-0.0011
583	1e+12	NDD	0.9983	0.9972	-0.0011
594	1e+12	NDD	0.9983	0.9971	-0.0012
624	5e+12	NDD	0.9999	0.9996	-0.0003
839	5e+12	NDD	0.9939	0.992	-0.0019
919	5e+12	NDD	0.9912	0.9895	-0.0017
938	5e+12	NDD	1.0044	1.0014	-0.003
988	1e+13	NDD	1.0016	0.9978	-0.0038
1176	1e+13	NDD	0.9986	0.9954	-0.0032
1197	1e+13	NDD	0.9909	0.9864	-0.0045
1246	0	CORRELATION	0.9984	0.9997	0.0013
1277	1e+13	NDD	0.9849	0.9813	-0.0036
1357	0	CORRELATION	0.9953	0.9948	-0.0005
1410	0	CORRELATION	0.988	0.9881	0.0001
1437	0	CORRELATION	0.9972	0.9949	-0.0023

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	0.988	0.99472	0.9984	0.0046615	0.9881	0.99438	0.9997	0.0047675	-0.0023	-0.00035	0.0013	0.0015
1e+12	0.9983	1.0006	1.0029	0.0026558	0.9971	0.99935	1.0018	0.0025489	-0.0016	-0.00125	-0.0011	0.00023805
5e+12	0.9912	0.99735	1.0044	0.0059422	0.9895	0.99562	1.0014	0.0057679	-0.003	-0.001725	-0.0003	0.0011087
1e+13	0.9849	0.994	1.0016	0.0075573	0.9813	0.99023	0.9978	0.0077125	-0.0045	-0.003775	-0.0032	0.00054391

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