

TPS7H3134-SP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H3134-SP, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. The TPS7H3134-SP showed a strong degree of hardness to neutron irradiation up to fluence level 1×10^{13} n/cm². The neutron irradiation test is a destructive test. Test procedure follows MIL-STD-883 method 1017 as guidance. The purpose of this test is to determine the device susceptibility to non-ionizing energy loss (NIEL) degradation. Objectives of the test are, to detect and measure the degradation of critical device parameters as a function of neutron fluence and to determine if these parameters are within specified limits after exposure to a specified level of neutron fluence.

Table of Contents

1 Device Information	1
1.1 Product Description	1
1.2 Device Details	2
2 Total Dose Test Setup	3
2.1 Test Overview	3
2.2 Test Facilities	3
2.3 Test Setup Details	3
2.4 Test Configuration and Condition	4
3 NDD Characterization Test Results	5
3.1 NDD Characterization Summary Results	5
3.2 Specification Compliance Matrix	6
4 Applicable and Reference Documents	10
4.1 Applicable Documents	10
4.2 Reference Documents	10
A Appendix: NDD Report Data	10

List of Figures

Figure 1-1. TPS7H3134-SP Device	2
---------------------------------	---

List of Tables

Table 1-1. Device and Exposure Details	2
Table 2-1. Neutron Irradiation Conditions	4

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

1.1 Product Description

The TPS7H3134-SP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. An accurate 599mV $\pm 1\%$ threshold voltage and a 24 μ A $\pm 3\%$ hysteresis current provide programmable monitoring voltages. A programmable delay time is globally programmed via a single resistor. In addition a PWRGD output is provided to monitor the global power tree status. The device also incorporates a positive edge detection watchdog timer to monitor an external processor for coherent execution. External faults can be propagated to the system by using the SR_UVLO input.

The TPS7H3134-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420604VXC.

1.2 Device Details

[Table 1-1](#) lists the device information used in the initial NDD characterization.

Table 1-1. Device and Exposure Details

NDD Exposure Details	
TI Device	TPS7H3134-SP
TI Part Name	5962R2420604VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Lot Number / Date Code	6004533 / 2617A
Sample Quantity	12 + 3 Control units
Exposure Facility	VPT Rad
Neutron Fluence (1-MeV equivalent) Level	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Ambient room temperature

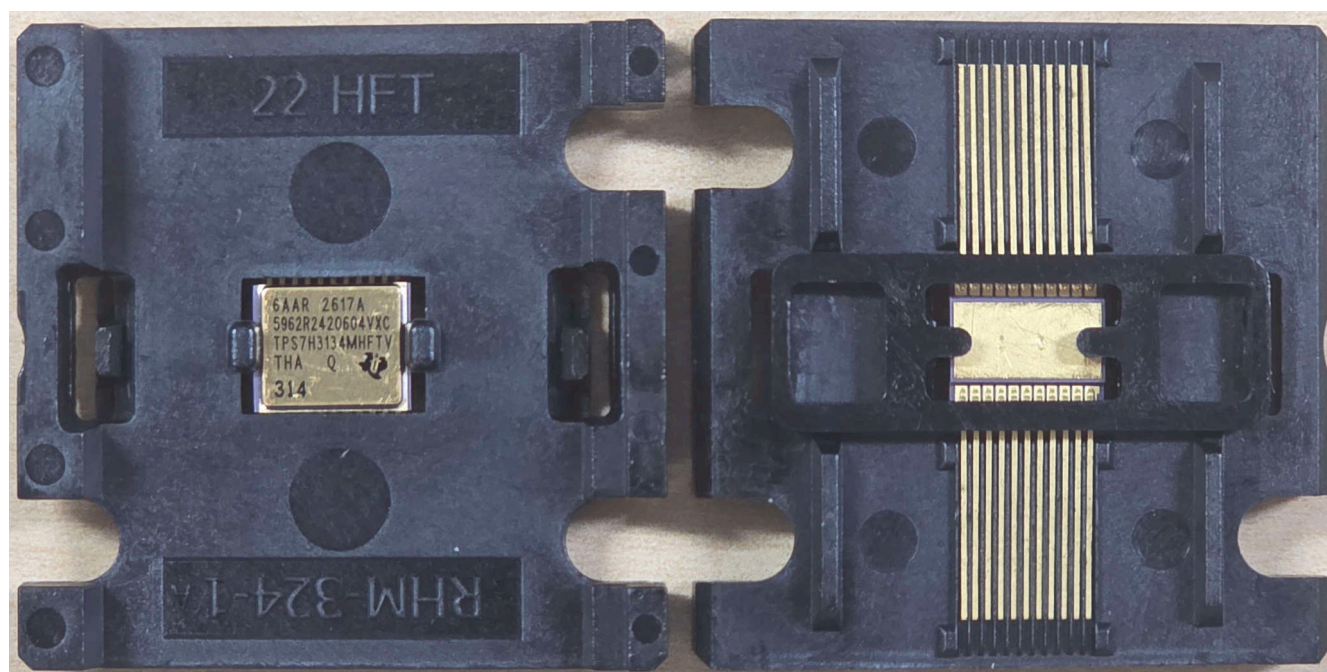


Figure 1-1. TPS7H3134-SP Device

2 Total Dose Test Setup

2.1 Test Overview

General test procedures adhere to MIL-STD-883, Method 1017 as a guide for neutron irradiation. The TPS7H3134-SP was electrically tested using the production automated test equipment (ATE) program at an ambient room temperature of 25°C before and after neutron irradiation.

2.2 Test Facilities

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

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

2.3 Test Setup Details

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

2.4 Test Configuration and Condition

Table 2-1. Neutron Irradiation Conditions

Group	Sample QTY	NEUTRON FLUENCE (n/cm ²)	BIAS
A	4	1.0 x 10 ¹²	Unbias
B	4	5.0 x 10 ¹²	Unbias
C	4	1.0 x 10 ¹³	Unbias
Control Units	3	N/A	N/A

3 NDD Characterization Test Results

3.1 NDD Characterization Summary Results

The results show that all devices were fully functional and within specification limits. A sample size of twelve units were exposed for neutron irradiation and additional unirradiated control units were used as correlation. Overall, the TPS7H3134-SP showed a strong degree of hardness to Neutron irradiation up to fluence level $1 \times 10^{13} \text{ n/cm}^2$. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each fluence level. The parameters that showed a greater degree of change between pre- and post- irradiation were still within the Electrical Performance Characteristics specified in the Data Sheet Electrical Parameters table. See Table 3-1 for the Data Sheet Electrical Parameters and Associated Tests. Electrical testing is done for pre- and post- neutron irradiation by ATE. ATE electrical test is done at an ambient room temperature of 25°C. See Appendix A for NDD report up to $1.0 \times 10^{13} \text{ n/cm}^2$.

The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7Hxx34-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with watchdog](#) data sheet for the data sheet electrical parameters and associated tests.

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

3.2 Specification Compliance Matrix

3.2.1 Electrical Characteristics

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

3.2.1 Electrical Characteristics (continued)

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

3.2.1 Electrical Characteristics (continued)

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

3.2.2 Timing Requirements

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

4 Applicable and Reference Documents

4.1 Applicable Documents

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

4.2 Reference Documents

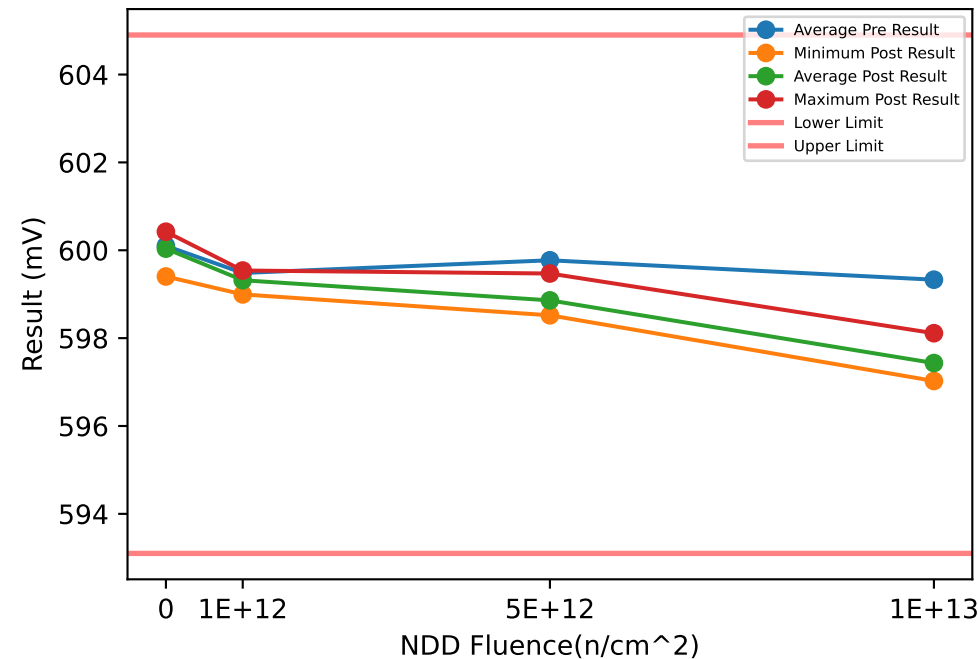
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

A Appendix: NDD Report Data

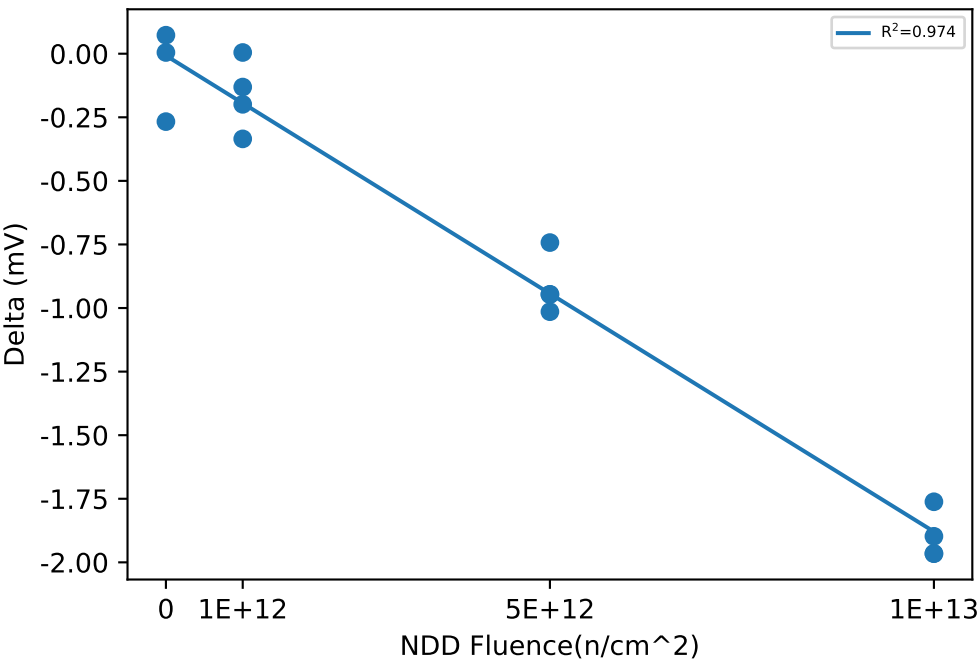
This appendix contains the NDD report data.

Device Test: 13.1; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

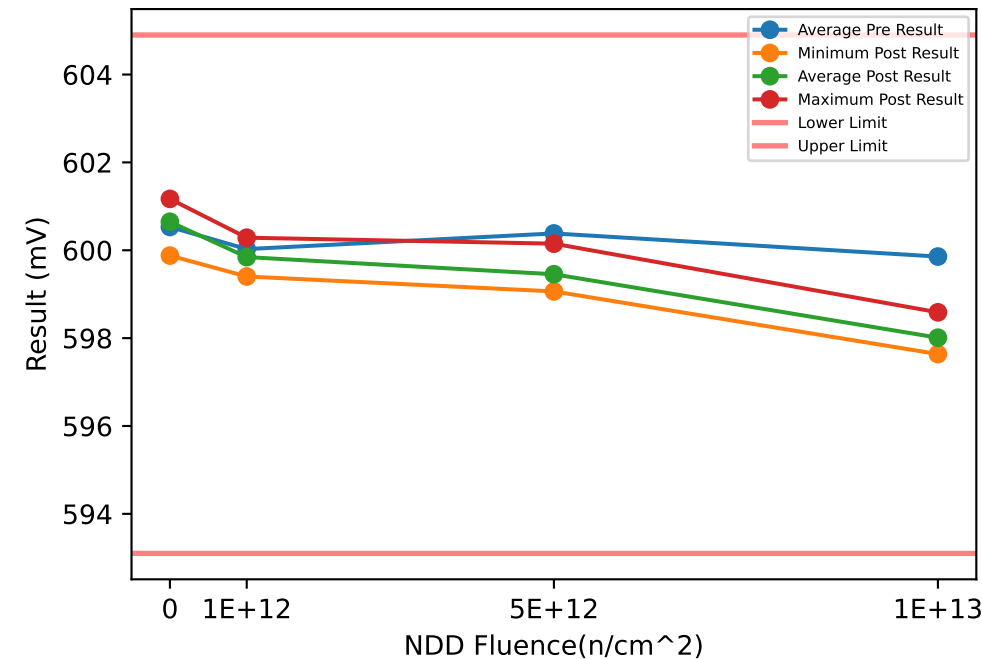
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.81	599.47	-0.3349
314	1e+12	NDD Unbiased	599.26	599.27	0.0048
315	1e+12	NDD Unbiased	599.74	599.54	-0.199
316	1e+12	NDD Unbiased	599.13	599	-0.1311
317	5e+12	NDD Unbiased	599.47	598.72	-0.7426
318	5e+12	NDD Unbiased	599.74	598.72	-1.0144
320	5e+12	NDD Unbiased	599.47	598.52	-0.9464
321	5e+12	NDD Unbiased	600.42	599.47	-0.9464
322	1e+13	NDD Unbiased	599.87	598.11	-1.7618
323	1e+13	NDD Unbiased	599.26	597.36	-1.8976
324	1e+13	NDD Unbiased	598.99	597.02	-1.9656
325	1e+13	NDD Unbiased	599.19	597.23	-1.9655
326	0	Correlation	600.69	600.42	-0.267
327	0	Correlation	600.28	600.29	0.0048
328	0	Correlation	599.33	599.4	0.0728

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.33	600.1	600.69	0.69733	599.4	600.04	600.42	0.55333	-0.267	-0.063133	0.0728	0.1798
1e+12	599.13	599.48	599.81	0.33914	599	599.32	599.54	0.2442	-0.3349	-0.16505	0.0048	0.14143
5e+12	599.47	599.77	600.42	0.44897	598.52	598.86	599.47	0.41883	-1.0144	-0.91245	-0.7426	0.11768
1e+13	598.99	599.33	599.87	0.38034	597.02	597.43	598.11	0.47397	-1.9656	-1.8976	-1.7618	0.096049

Device Test: 13.10; VTH_SENSE

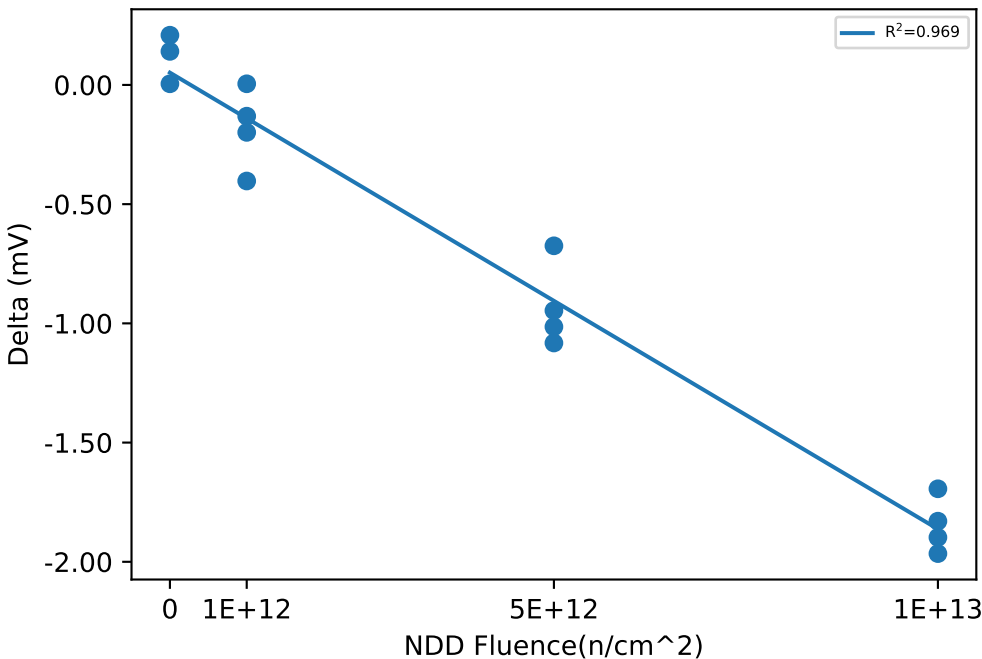
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.42	600.01	-0.4029
314	1e+12	NDD Unbiased	599.81	599.67	-0.131
315	1e+12	NDD Unbiased	600.28	600.29	0.0048
316	1e+12	NDD Unbiased	599.6	599.4	-0.199
317	5e+12	NDD Unbiased	600.28	599.34	-0.9464
318	5e+12	NDD Unbiased	600.35	599.27	-1.0823
320	5e+12	NDD Unbiased	600.08	599.06	-1.0143
321	5e+12	NDD Unbiased	600.83	600.15	-0.6747
322	1e+13	NDD Unbiased	600.28	598.59	-1.6938
323	1e+13	NDD Unbiased	599.87	597.91	-1.9656
324	1e+13	NDD Unbiased	599.47	597.64	-1.8296
325	1e+13	NDD Unbiased	599.81	597.91	-1.8976
326	0	Correlation	601.16	601.17	0.0048
327	0	Correlation	600.69	600.9	0.2086
328	0	Correlation	599.74	599.88	0.1407

NDD vs Post - Pre Exposure Delta

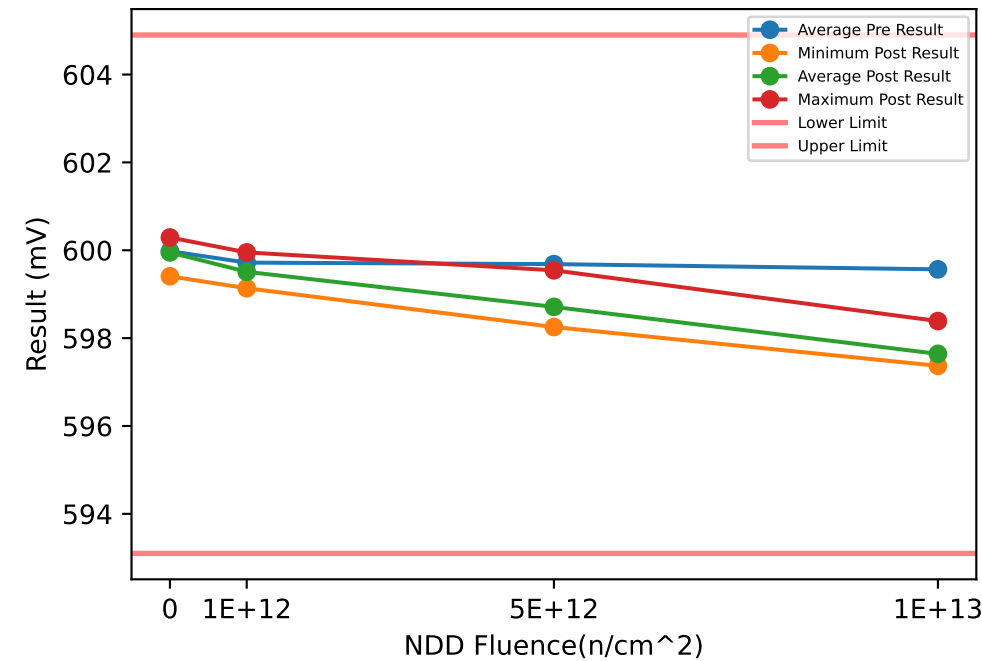


Test Statistics (mV)

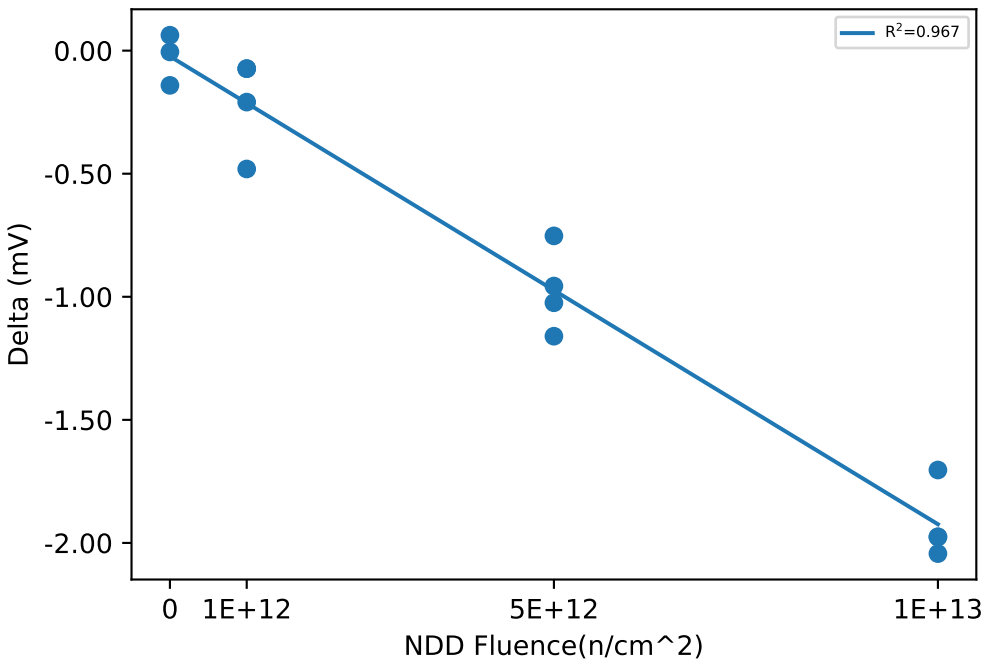
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.74	600.53	601.16	0.72649	599.88	600.65	601.17	0.68055	0.0048	0.11803	0.2086	0.10377
1e+12	599.6	600.03	600.42	0.38584	599.4	599.84	600.29	0.3863	-0.4029	-0.18202	0.0048	0.16988
5e+12	600.08	600.38	600.83	0.31627	599.06	599.45	600.15	0.47839	-1.0823	-0.92942	-0.6747	0.17865
1e+13	599.47	599.86	600.28	0.33458	597.64	598.01	598.59	0.40573	-1.9656	-1.8467	-1.6938	0.11604

Device Test: 13.11; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

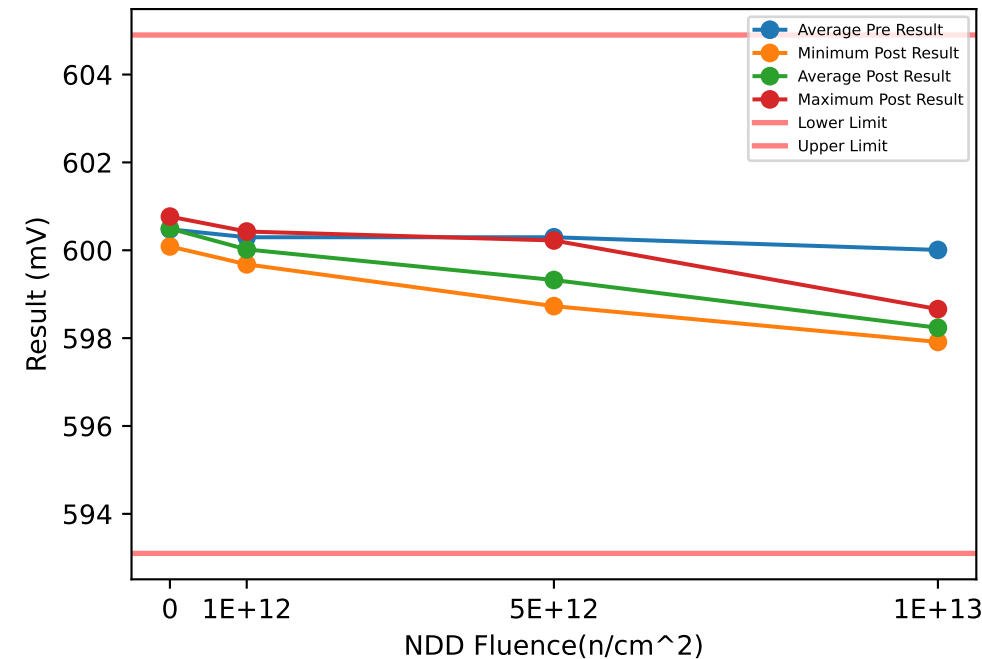
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.62	599.14	-0.4808
314	1e+12	NDD Unbiased	599.55	599.34	-0.2091
315	1e+12	NDD Unbiased	599.68	599.61	-0.0732
316	1e+12	NDD Unbiased	600.02	599.95	-0.0732
317	5e+12	NDD Unbiased	599.01	598.25	-0.7526
318	5e+12	NDD Unbiased	599.82	598.8	-1.0243
320	5e+12	NDD Unbiased	599.21	598.25	-0.9564
321	5e+12	NDD Unbiased	600.7	599.54	-1.1602
322	1e+13	NDD Unbiased	600.09	598.39	-1.7037
323	1e+13	NDD Unbiased	599.41	597.37	-2.0433
324	1e+13	NDD Unbiased	599.41	597.44	-1.9754
325	1e+13	NDD Unbiased	599.35	597.37	-1.9754
326	0	Correlation	600.3	600.16	-0.1411
327	0	Correlation	600.23	600.29	0.0627
328	0	Correlation	599.41	599.41	-0.0053

Test Statistics (mV)

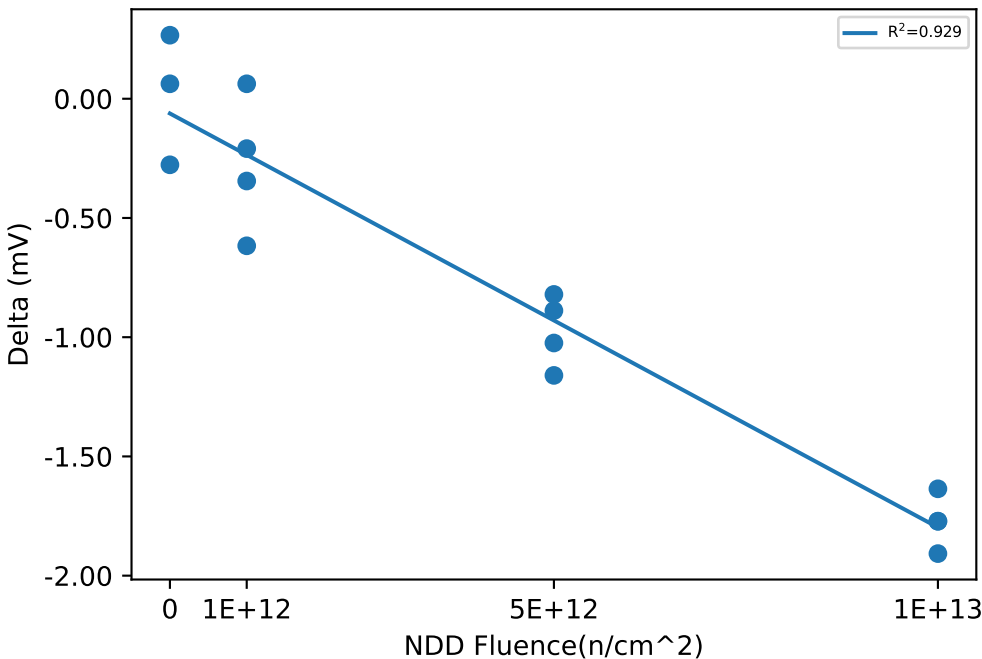
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.41	599.98	600.3	0.49149	599.41	599.95	600.29	0.47562	-0.1411	-0.0279	0.0627	0.10376
1e+12	599.55	599.72	600.02	0.21125	599.14	599.51	599.95	0.35304	-0.4808	-0.20908	-0.0732	0.19214
5e+12	599.01	599.68	600.7	0.76258	598.25	598.71	599.54	0.61112	-1.1602	-0.97338	-0.7526	0.16983
1e+13	599.35	599.57	600.09	0.35247	597.37	597.64	598.39	0.49921	-2.0433	-1.9245	-1.7037	0.15061

Device Test: 13.12; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

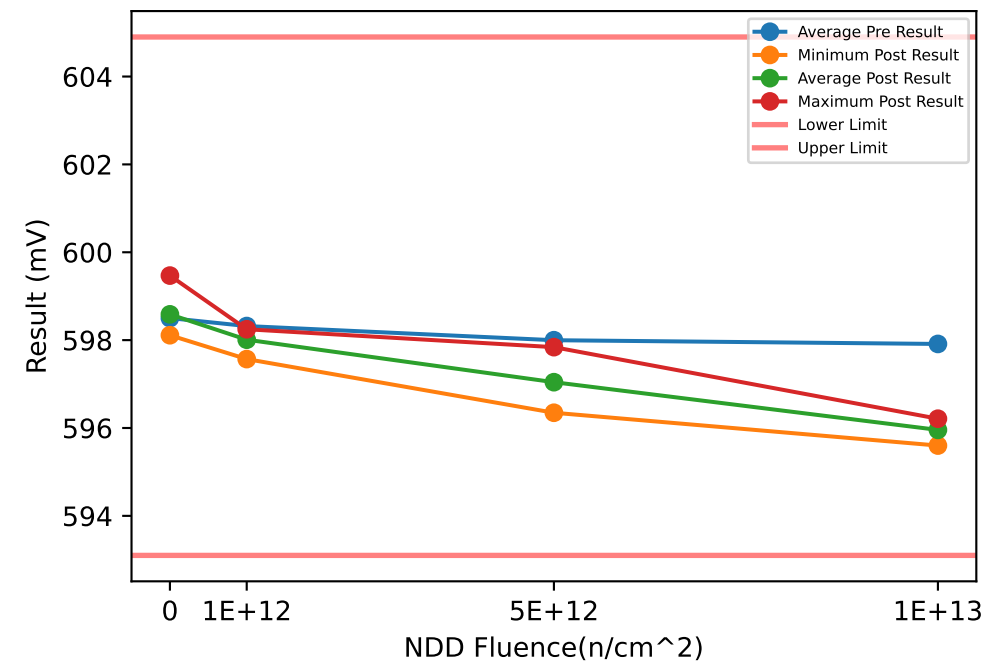
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.3	599.68	-0.6167
314	1e+12	NDD Unbiased	599.89	599.95	0.0627
315	1e+12	NDD Unbiased	600.23	600.02	-0.2091
316	1e+12	NDD Unbiased	600.77	600.43	-0.345
317	5e+12	NDD Unbiased	599.75	598.73	-1.0243
318	5e+12	NDD Unbiased	600.43	599.27	-1.1602
320	5e+12	NDD Unbiased	599.89	599.07	-0.8206
321	5e+12	NDD Unbiased	601.11	600.22	-0.8885
322	1e+13	NDD Unbiased	600.43	598.66	-1.7716
323	1e+13	NDD Unbiased	600.23	598.32	-1.9075
324	1e+13	NDD Unbiased	599.68	598.05	-1.6358
325	1e+13	NDD Unbiased	599.68	597.91	-1.7717
326	0	Correlation	600.7	600.77	0.0627
327	0	Correlation	600.91	600.63	-0.277
328	0	Correlation	599.82	600.09	0.2665

Test Statistics (mV)

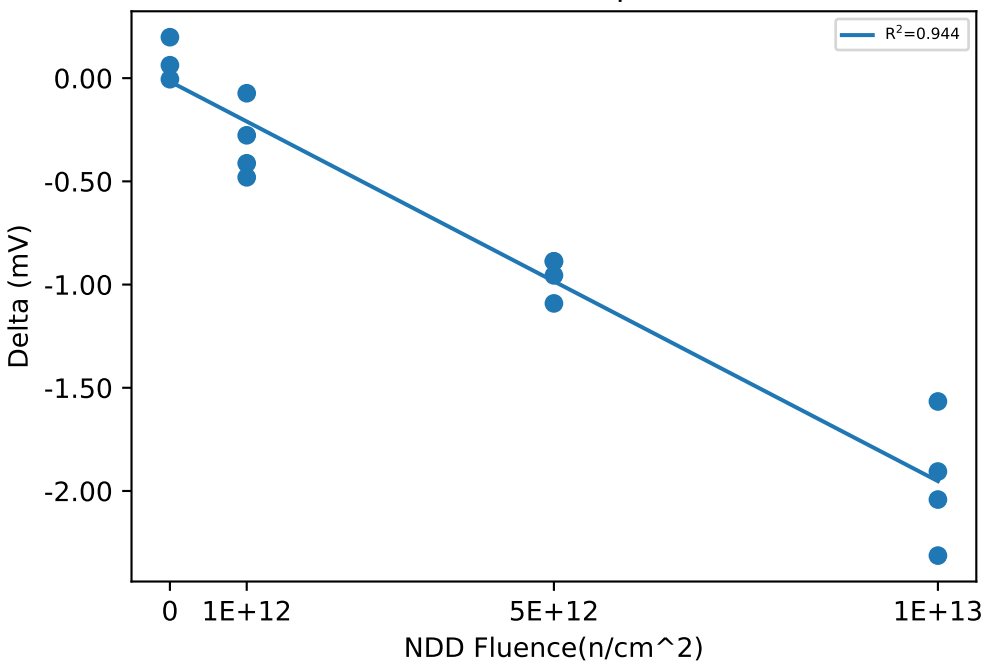
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.82	600.48	600.91	0.5778	600.09	600.49	600.77	0.3595	-0.277	0.0174	0.2665	0.27457
1e+12	599.89	600.3	600.77	0.36375	599.68	600.02	600.43	0.30884	-0.6167	-0.27703	0.0627	0.28286
5e+12	599.75	600.3	601.11	0.61771	598.73	599.32	600.22	0.64062	-1.1602	-0.9734	-0.8206	0.1506
1e+13	599.68	600.01	600.43	0.3818	597.91	598.24	598.66	0.32996	-1.9075	-1.7717	-1.6358	0.11092

Device Test: 13.13; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

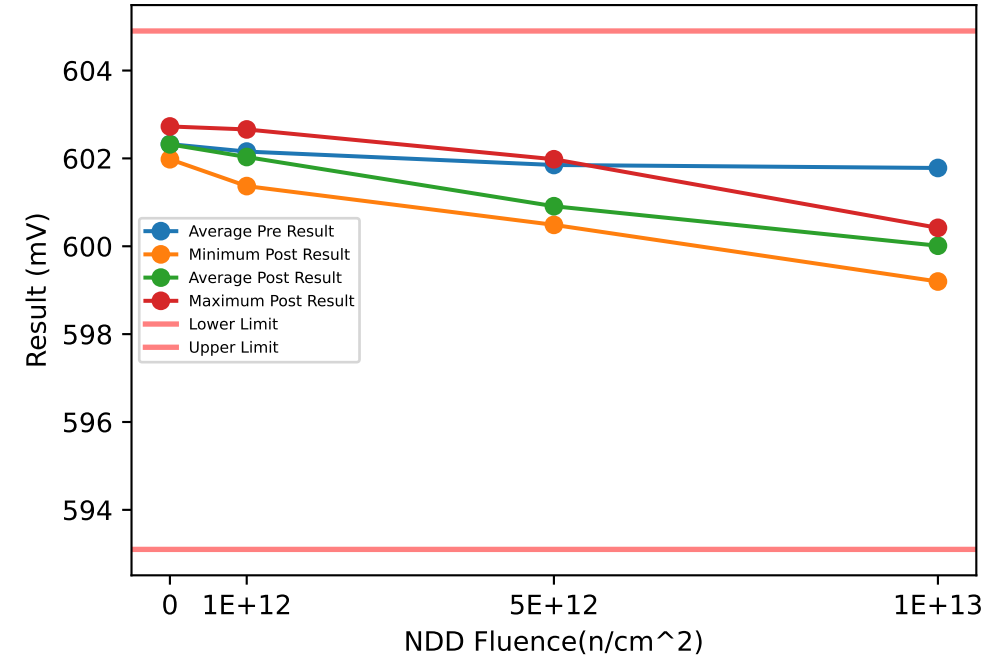
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.73	598.25	-0.4804
314	1e+12	NDD Unbiased	597.98	597.57	-0.4124
315	1e+12	NDD Unbiased	598.52	598.25	-0.2768
316	1e+12	NDD Unbiased	598.05	597.98	-0.0731
317	5e+12	NDD Unbiased	597.98	597.09	-0.8875
318	5e+12	NDD Unbiased	597.85	596.89	-0.9555
320	5e+12	NDD Unbiased	597.44	596.35	-1.0912
321	5e+12	NDD Unbiased	598.73	597.84	-0.8876
322	1e+13	NDD Unbiased	597.78	596.21	-1.5663
323	1e+13	NDD Unbiased	597.64	595.6	-2.0415
324	1e+13	NDD Unbiased	598.25	595.94	-2.313
325	1e+13	NDD Unbiased	597.98	596.08	-1.9057
326	0	Correlation	599.27	599.47	0.1984
327	0	Correlation	598.12	598.11	-0.0052
328	0	Correlation	598.12	598.18	0.0627

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.12	598.5	599.27	0.6662	598.11	598.59	599.47	0.76491	-0.0052	0.0853	0.1984	0.10366
1e+12	597.98	598.32	598.73	0.36345	597.57	598.01	598.25	0.32074	-0.4804	-0.31067	-0.0731	0.17958
5e+12	597.44	598	598.73	0.53841	596.35	597.04	597.84	0.61808	-1.0912	-0.95545	-0.8875	0.096002
1e+13	597.64	597.91	598.25	0.2658	595.6	595.96	596.21	0.26215	-2.313	-1.9566	-1.5663	0.31046

Device Test: 13.14; VTH_SENSE

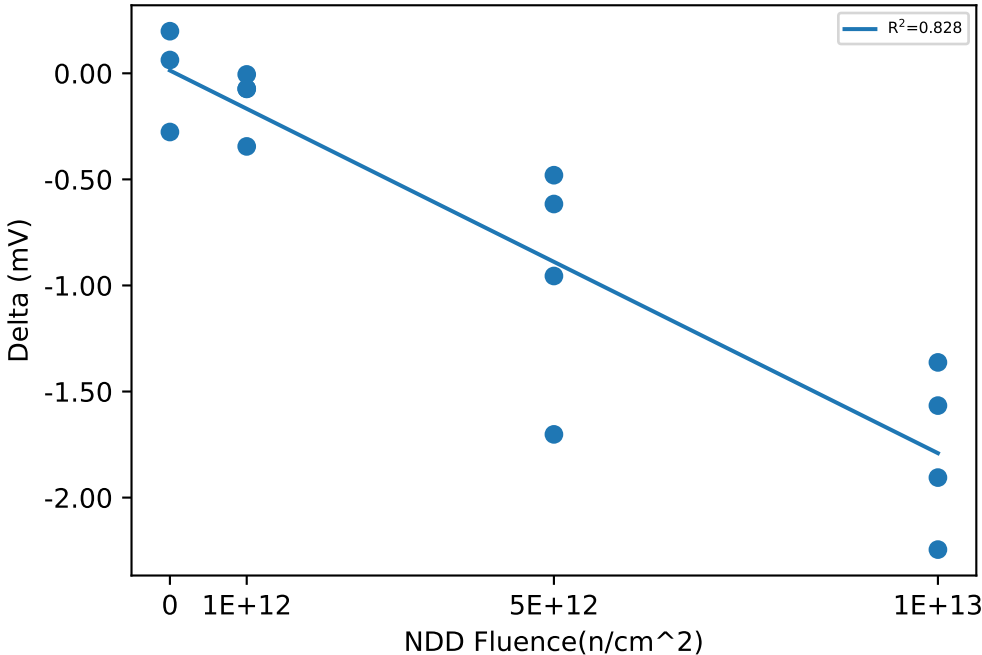
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	602.73	602.66	-0.0731
314	1e+12	NDD Unbiased	601.44	601.37	-0.0731
315	1e+12	NDD Unbiased	602.19	602.18	-0.0052
316	1e+12	NDD Unbiased	602.26	601.91	-0.3446
317	5e+12	NDD Unbiased	602.33	600.62	-1.702
318	5e+12	NDD Unbiased	601.51	600.56	-0.9554
320	5e+12	NDD Unbiased	601.1	600.49	-0.6161
321	5e+12	NDD Unbiased	602.46	601.98	-0.4803
322	1e+13	NDD Unbiased	601.78	600.42	-1.3627
323	1e+13	NDD Unbiased	601.44	599.2	-2.2451
324	1e+13	NDD Unbiased	601.99	600.08	-1.9057
325	1e+13	NDD Unbiased	601.92	600.35	-1.5663
326	0	Correlation	603	602.73	-0.2767
327	0	Correlation	601.92	601.98	0.0627
328	0	Correlation	602.05	602.25	0.1985

NDD vs Post - Pre Exposure Delta

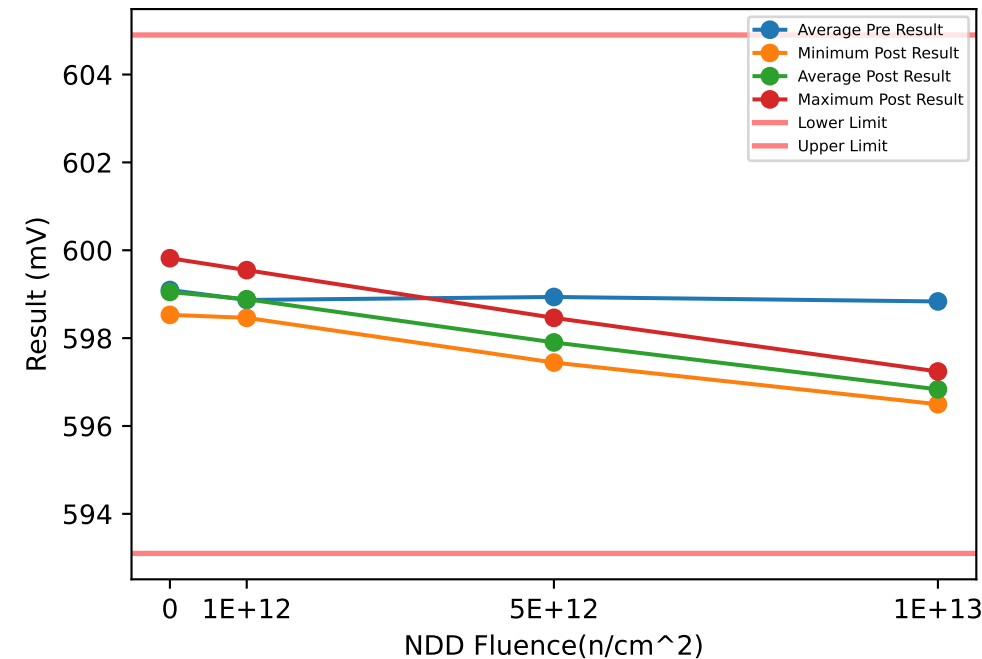


Test Statistics (mV)

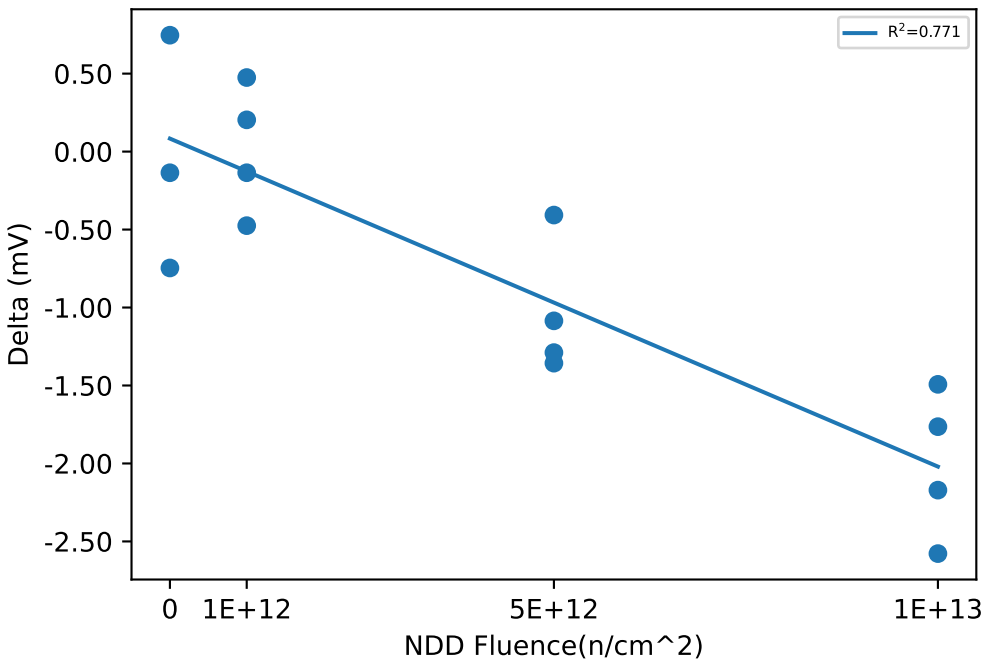
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.92	602.33	603	0.59173	601.98	602.32	602.73	0.3779	-0.2767	-0.0051667	0.1985	0.24476
1e+12	601.44	602.16	602.73	0.533	601.37	602.03	602.66	0.53837	-0.3446	-0.124	-0.0052	0.15051
5e+12	601.1	601.85	602.46	0.65103	600.49	600.91	601.98	0.71485	-1.702	-0.93845	-0.4803	0.54684
1e+13	601.44	601.78	601.99	0.24156	599.2	600.01	600.42	0.56244	-2.2451	-1.77	-1.3627	0.38795

Device Test: 13.15; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

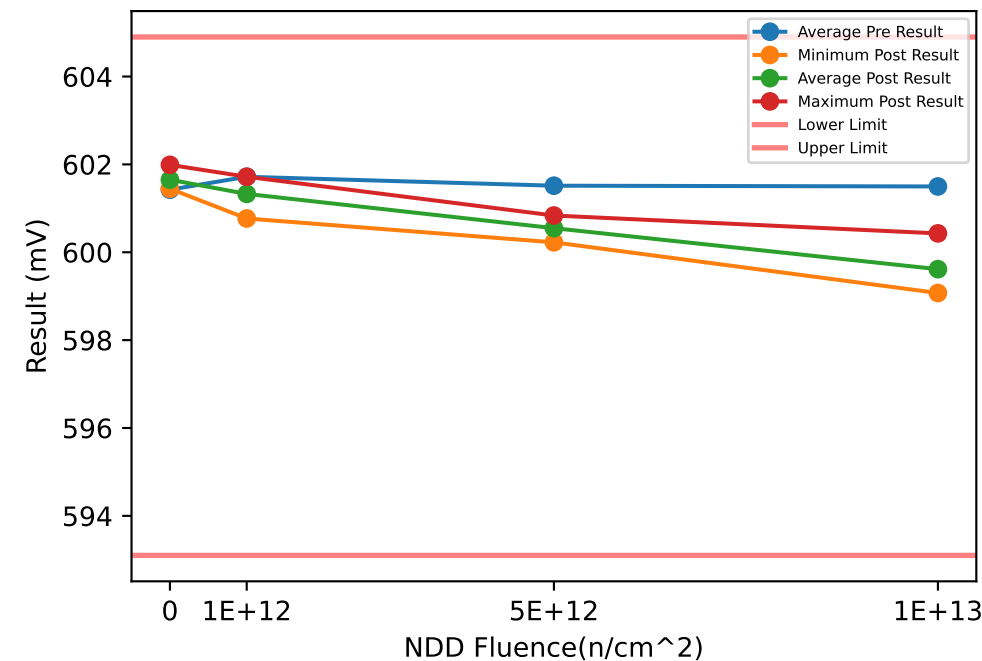
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.12	598.6	0.4749
314	1e+12	NDD Unbiased	598.94	598.46	-0.4749
315	1e+12	NDD Unbiased	599.68	599.55	-0.1356
316	1e+12	NDD Unbiased	598.73	598.94	0.2036
317	5e+12	NDD Unbiased	599.75	598.46	-1.289
318	5e+12	NDD Unbiased	598.8	597.44	-1.3568
320	5e+12	NDD Unbiased	598.12	597.72	-0.407
321	5e+12	NDD Unbiased	599.07	597.99	-1.0854
322	1e+13	NDD Unbiased	599	597.24	-1.764
323	1e+13	NDD Unbiased	599.07	596.49	-2.578
324	1e+13	NDD Unbiased	598.87	596.7	-2.171
325	1e+13	NDD Unbiased	598.39	596.9	-1.4926
326	0	Correlation	599.07	599.82	0.7464
327	0	Correlation	598.94	598.8	-0.1357
328	0	Correlation	599.28	598.53	-0.7463

Test Statistics (mV)

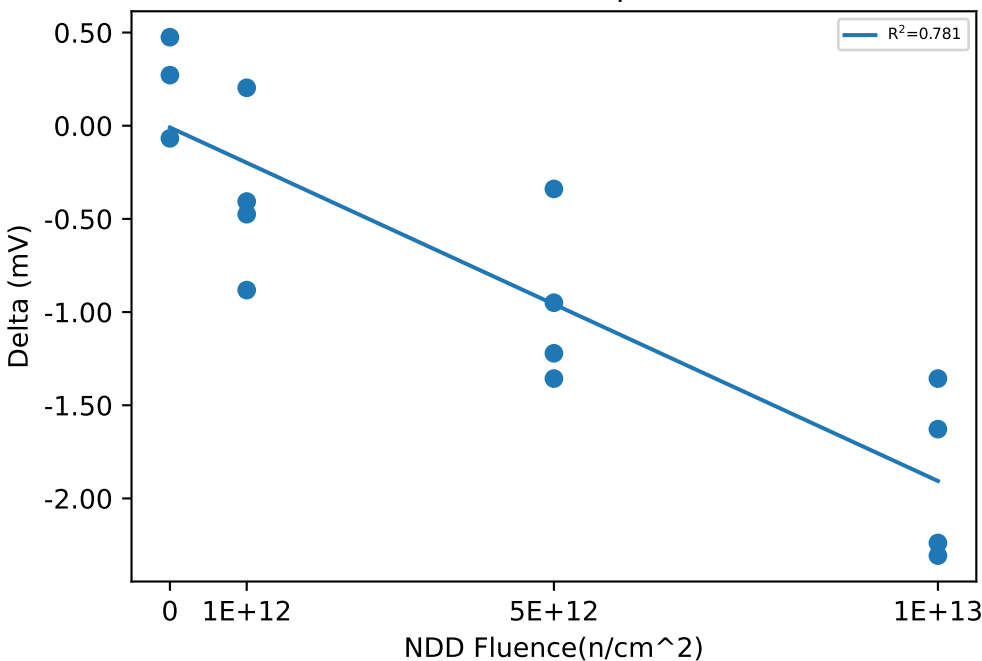
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.94	599.1	599.28	0.17073	598.53	599.05	599.82	0.6796	-0.7463	-0.0452	0.7464	0.75045
1e+12	598.12	598.87	599.68	0.64362	598.46	598.89	599.55	0.48412	-0.4749	0.017	0.4749	0.41221
5e+12	598.12	598.94	599.75	0.67392	597.44	597.9	598.46	0.43399	-1.3568	-1.0345	-0.407	0.43397
1e+13	598.39	598.84	599.07	0.30592	596.49	596.83	597.24	0.31818	-2.578	-2.0014	-1.4926	0.47486

Device Test: 13.16; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

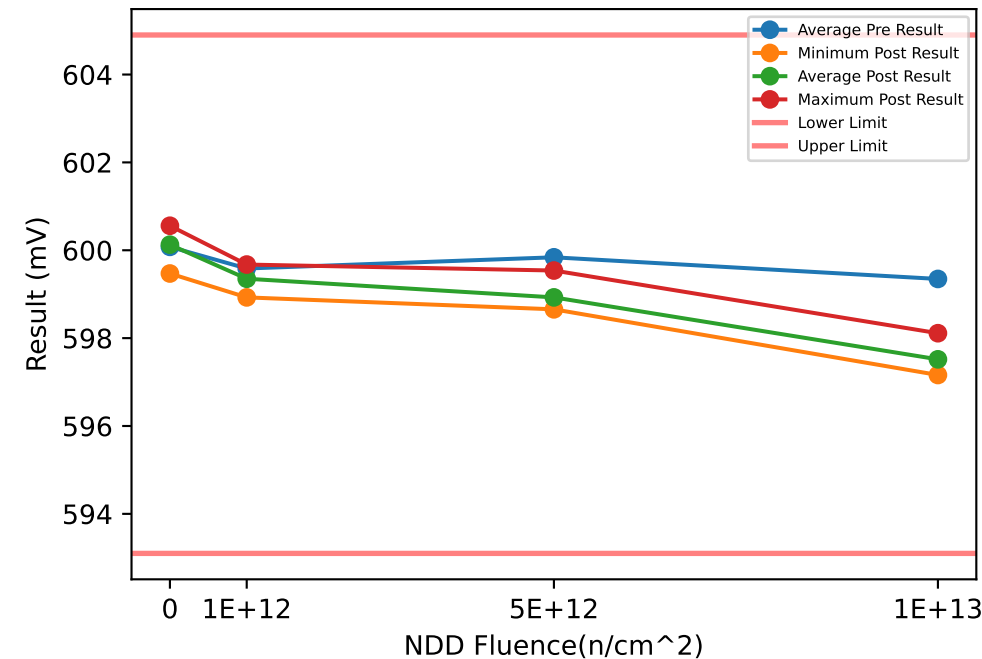
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	601.65	600.77	-0.882
314	1e+12	NDD Unbiased	601.51	601.11	-0.4069
315	1e+12	NDD Unbiased	602.19	601.72	-0.4749
316	1e+12	NDD Unbiased	601.51	601.72	0.2036
317	5e+12	NDD Unbiased	601.92	600.57	-1.3568
318	5e+12	NDD Unbiased	601.79	600.57	-1.2211
320	5e+12	NDD Unbiased	600.57	600.23	-0.3392
321	5e+12	NDD Unbiased	601.79	600.84	-0.9497
322	1e+13	NDD Unbiased	601.79	600.43	-1.3568
323	1e+13	NDD Unbiased	601.65	599.41	-2.2389
324	1e+13	NDD Unbiased	601.38	599.07	-2.3067
325	1e+13	NDD Unbiased	601.18	599.55	-1.6282
326	0	Correlation	601.51	601.99	0.475
327	0	Correlation	601.58	601.51	-0.0678
328	0	Correlation	601.18	601.45	0.2715

Test Statistics (mV)

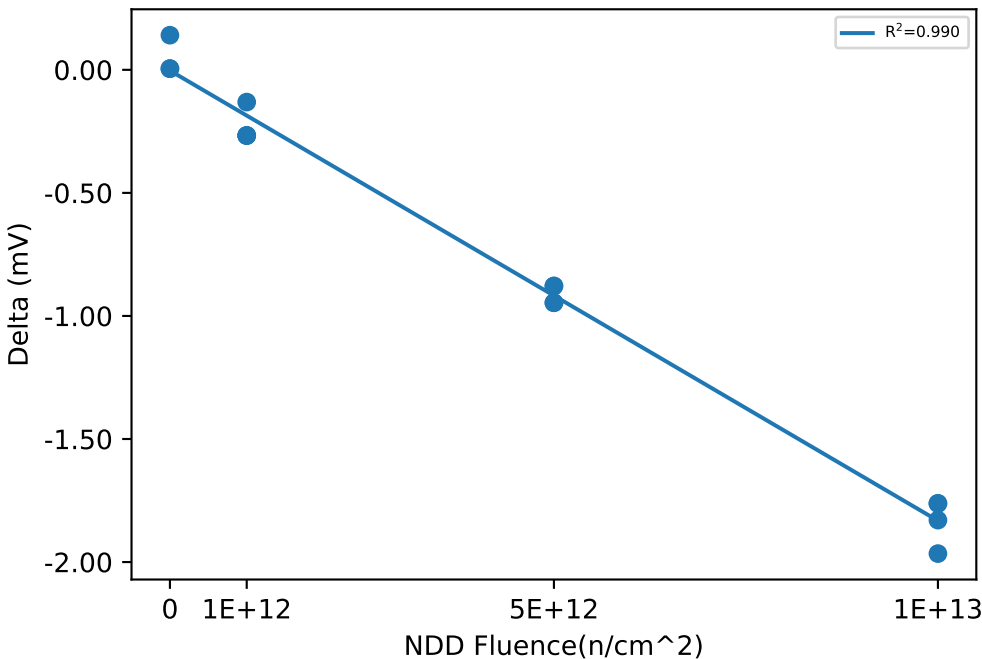
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.18	601.42	601.58	0.2181	601.45	601.65	601.99	0.29571	-0.0678	0.22623	0.475	0.27422
1e+12	601.51	601.72	602.19	0.32302	600.77	601.33	601.72	0.47124	-0.882	-0.39005	0.2036	0.44793
5e+12	600.57	601.51	601.92	0.63644	600.23	600.55	600.84	0.25009	-1.3568	-0.9667	-0.3392	0.45127
1e+13	601.18	601.5	601.79	0.2735	599.07	599.62	600.43	0.57835	-2.3067	-1.8827	-1.3568	0.46476

Device Test: 13.17; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

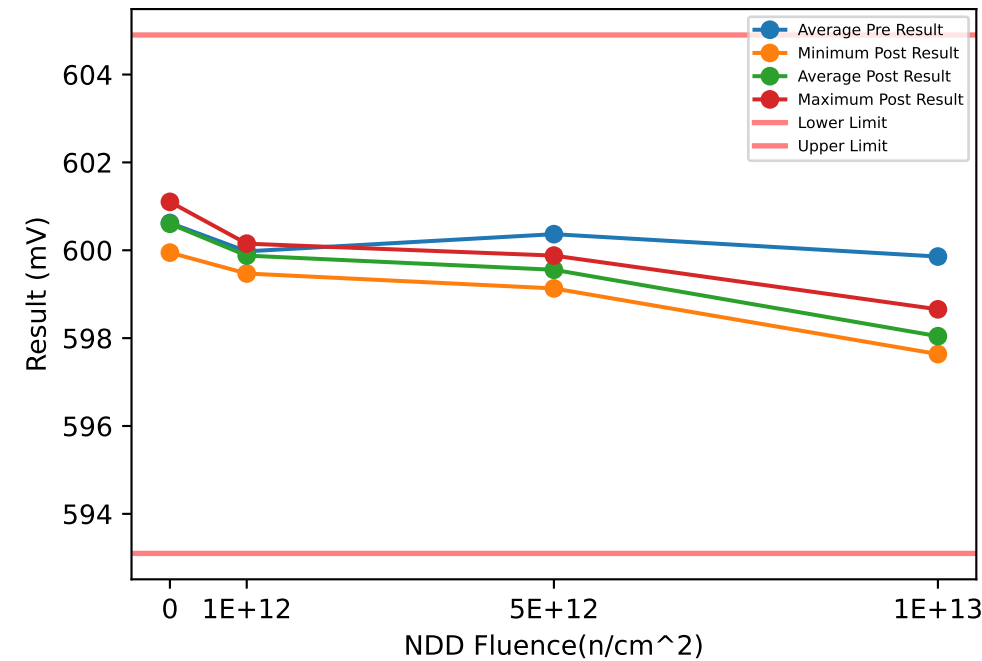
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.81	599.54	-0.2669
314	1e+12	NDD Unbiased	599.4	599.27	-0.131
315	1e+12	NDD Unbiased	599.94	599.67	-0.2669
316	1e+12	NDD Unbiased	599.19	598.93	-0.2669
317	5e+12	NDD Unbiased	599.6	598.66	-0.9464
318	5e+12	NDD Unbiased	599.81	598.86	-0.9464
320	5e+12	NDD Unbiased	599.53	598.66	-0.8784
321	5e+12	NDD Unbiased	600.42	599.54	-0.8784
322	1e+13	NDD Unbiased	599.87	598.11	-1.7618
323	1e+13	NDD Unbiased	599.19	597.43	-1.7617
324	1e+13	NDD Unbiased	599.13	597.16	-1.9656
325	1e+13	NDD Unbiased	599.19	597.36	-1.8296
326	0	Correlation	600.55	600.56	0.0048
327	0	Correlation	600.35	600.35	0.0048
328	0	Correlation	599.33	599.47	0.1407

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.33	600.08	600.55	0.65524	599.47	600.13	600.56	0.57786	0.0048	0.0501	0.1407	0.078462
1e+12	599.19	599.58	599.94	0.34812	598.93	599.35	599.67	0.32996	-0.2669	-0.23292	-0.131	0.06795
5e+12	599.53	599.84	600.42	0.40196	598.66	598.93	599.54	0.41885	-0.9464	-0.9124	-0.8784	0.03926
1e+13	599.13	599.35	599.87	0.35252	597.16	597.52	598.11	0.4128	-1.9656	-1.8297	-1.7617	0.096096

Device Test: 13.18; VTH_SENSE

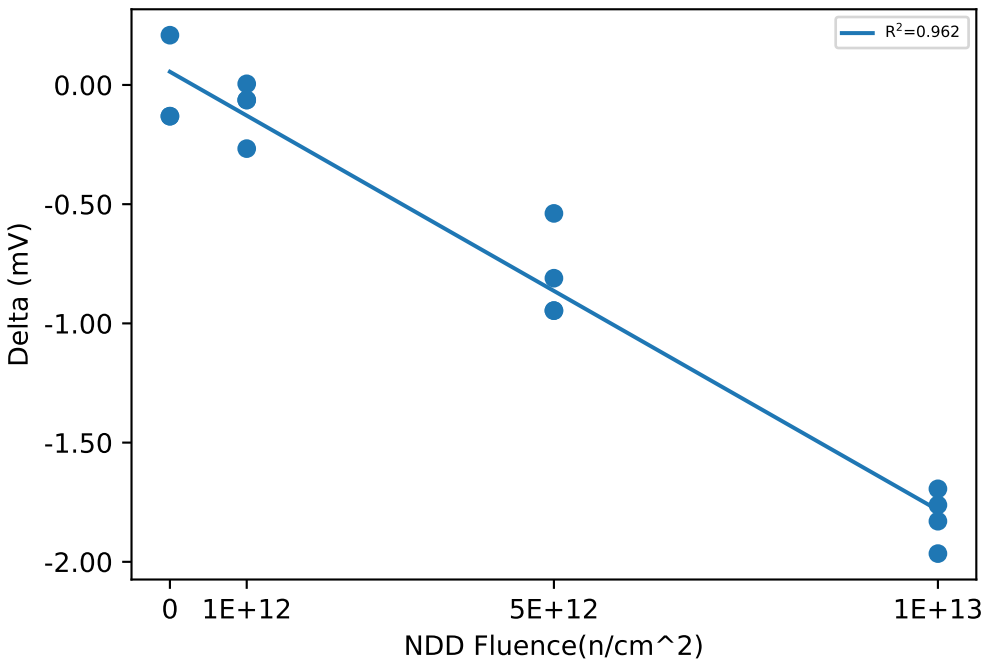
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.21	600.15	-0.0632
314	1e+12	NDD Unbiased	599.87	599.81	-0.0631
315	1e+12	NDD Unbiased	600.35	600.08	-0.267
316	1e+12	NDD Unbiased	599.47	599.47	0.0048
317	5e+12	NDD Unbiased	600.35	599.54	-0.8105
318	5e+12	NDD Unbiased	600.21	599.67	-0.5387
320	5e+12	NDD Unbiased	600.08	599.13	-0.9464
321	5e+12	NDD Unbiased	600.83	599.88	-0.9464
322	1e+13	NDD Unbiased	600.42	598.66	-1.7617
323	1e+13	NDD Unbiased	599.81	597.98	-1.8297
324	1e+13	NDD Unbiased	599.6	597.64	-1.9655
325	1e+13	NDD Unbiased	599.6	597.91	-1.6938
326	0	Correlation	601.23	601.1	-0.131
327	0	Correlation	600.89	600.76	-0.131
328	0	Correlation	599.74	599.95	0.2087

NDD vs Post - Pre Exposure Delta

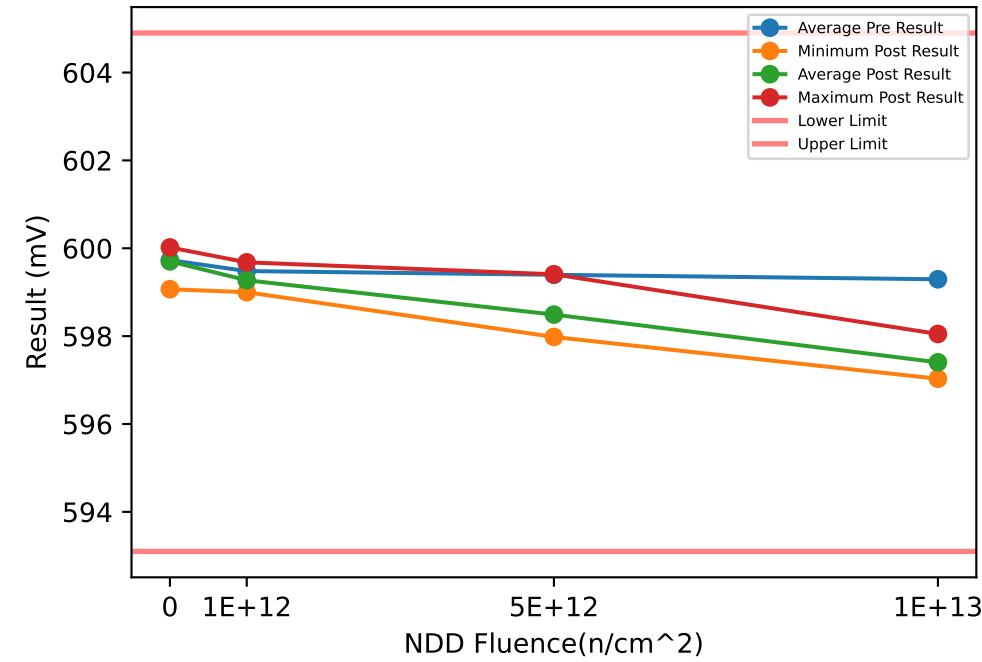


Test Statistics (mV)

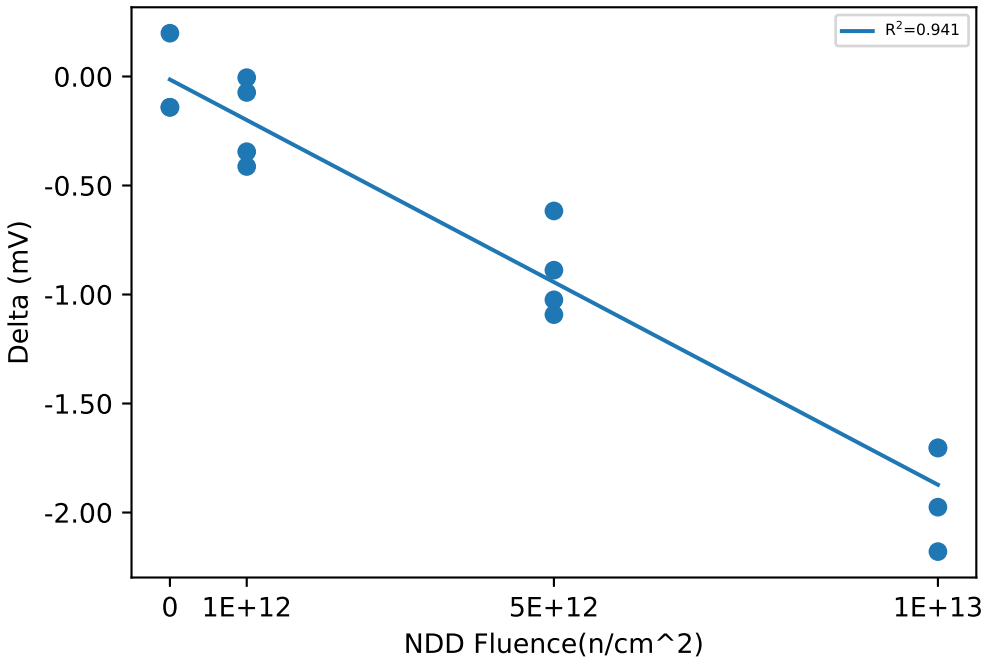
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.74	600.62	601.23	0.78353	599.95	600.6	601.1	0.5936	-0.131	-0.017767	0.2087	0.19613
1e+12	599.47	599.98	600.35	0.39424	599.47	599.88	600.15	0.30886	-0.267	-0.097125	0.0048	0.11769
5e+12	600.08	600.37	600.83	0.32526	599.13	599.56	599.88	0.31566	-0.9464	-0.8105	-0.5387	0.19219
1e+13	599.6	599.86	600.42	0.38584	597.64	598.04	598.66	0.43327	-1.9655	-1.8127	-1.6938	0.11601

Device Test: 13.19; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

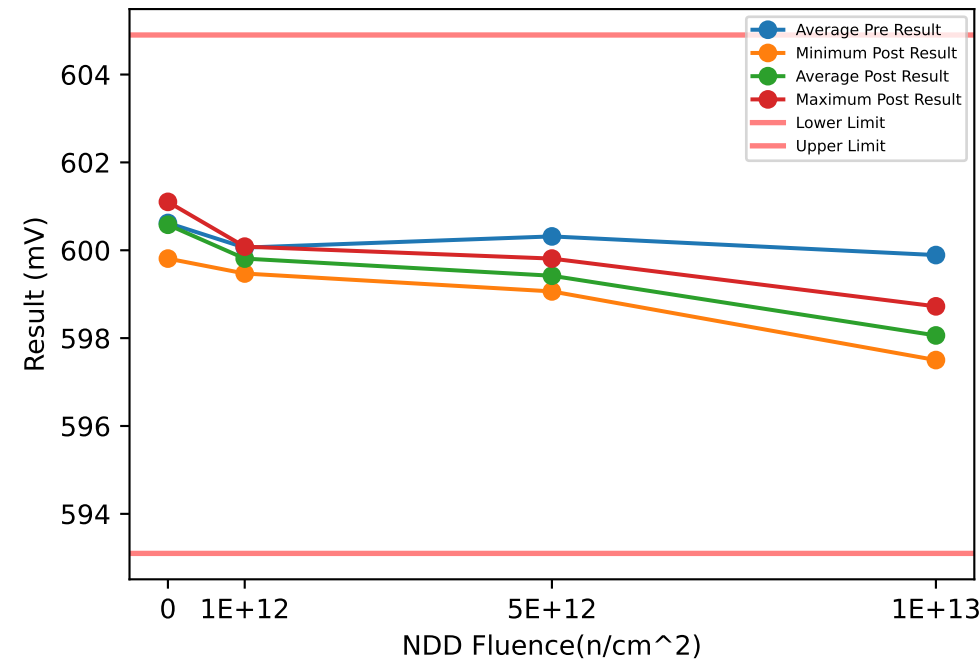
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.14	599.07	-0.0732
314	1e+12	NDD Unbiased	599.41	599	-0.4128
315	1e+12	NDD Unbiased	599.35	599.34	-0.0053
316	1e+12	NDD Unbiased	600.02	599.68	-0.345
317	5e+12	NDD Unbiased	598.67	598.05	-0.6167
318	5e+12	NDD Unbiased	599.41	598.52	-0.8884
320	5e+12	NDD Unbiased	599.07	597.98	-1.0923
321	5e+12	NDD Unbiased	600.43	599.41	-1.0244
322	1e+13	NDD Unbiased	599.75	598.05	-1.7037
323	1e+13	NDD Unbiased	599.07	597.37	-1.7037
324	1e+13	NDD Unbiased	599.21	597.03	-2.1792
325	1e+13	NDD Unbiased	599.14	597.17	-1.9754
326	0	Correlation	600.16	600.02	-0.1412
327	0	Correlation	599.82	600.02	0.1986
328	0	Correlation	599.21	599.07	-0.1412

Test Statistics (mV)

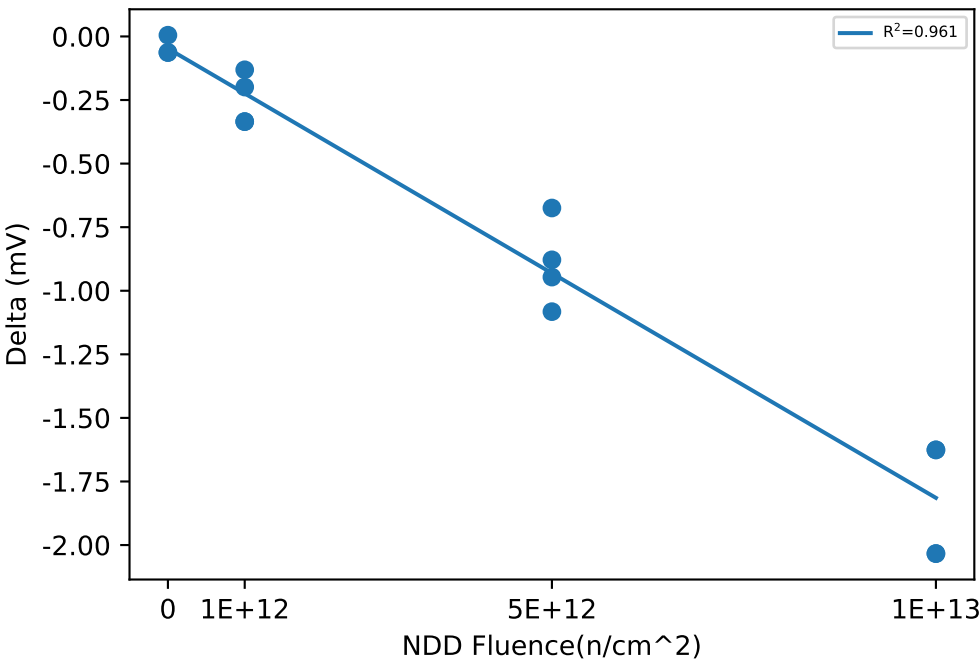
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.21	599.73	600.16	0.48202	599.07	599.7	600.02	0.54918	-0.1412	-0.027933	0.1986	0.19618
1e+12	599.14	599.48	600.02	0.38033	599	599.27	599.68	0.30884	-0.4128	-0.20908	-0.0053	0.19997
5e+12	598.67	599.4	600.43	0.75525	597.98	598.49	599.41	0.65748	-1.0923	-0.90545	-0.6167	0.21034
1e+13	599.07	599.29	599.75	0.3107	597.03	597.4	598.05	0.45233	-2.1792	-1.8905	-1.7037	0.23119

Device Test: 13.2; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

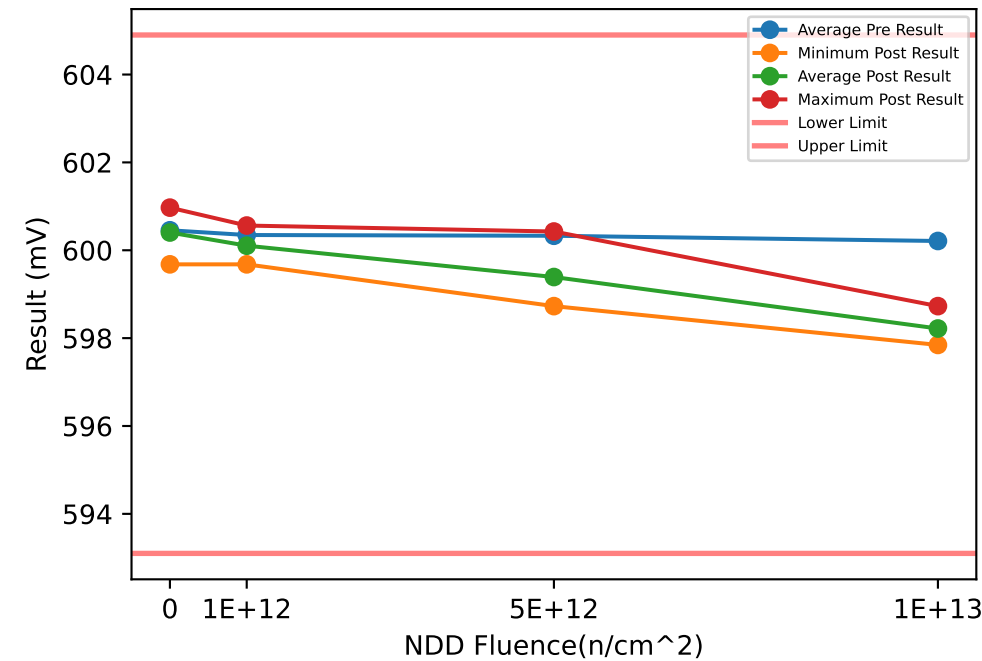
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.42	600.08	-0.3349
314	1e+12	NDD Unbiased	599.94	599.74	-0.199
315	1e+12	NDD Unbiased	600.28	599.95	-0.3348
316	1e+12	NDD Unbiased	599.6	599.47	-0.1311
317	5e+12	NDD Unbiased	600.15	599.2	-0.9463
318	5e+12	NDD Unbiased	600.28	599.61	-0.6746
320	5e+12	NDD Unbiased	600.15	599.06	-1.0822
321	5e+12	NDD Unbiased	600.69	599.81	-0.8784
322	1e+13	NDD Unbiased	600.35	598.72	-1.6259
323	1e+13	NDD Unbiased	600.01	597.98	-2.0336
324	1e+13	NDD Unbiased	599.53	597.5	-2.0334
325	1e+13	NDD Unbiased	599.67	598.04	-1.6258
326	0	Correlation	601.16	601.1	-0.0631
327	0	Correlation	600.89	600.83	-0.0631
328	0	Correlation	599.81	599.81	0.0049

Test Statistics (mV)

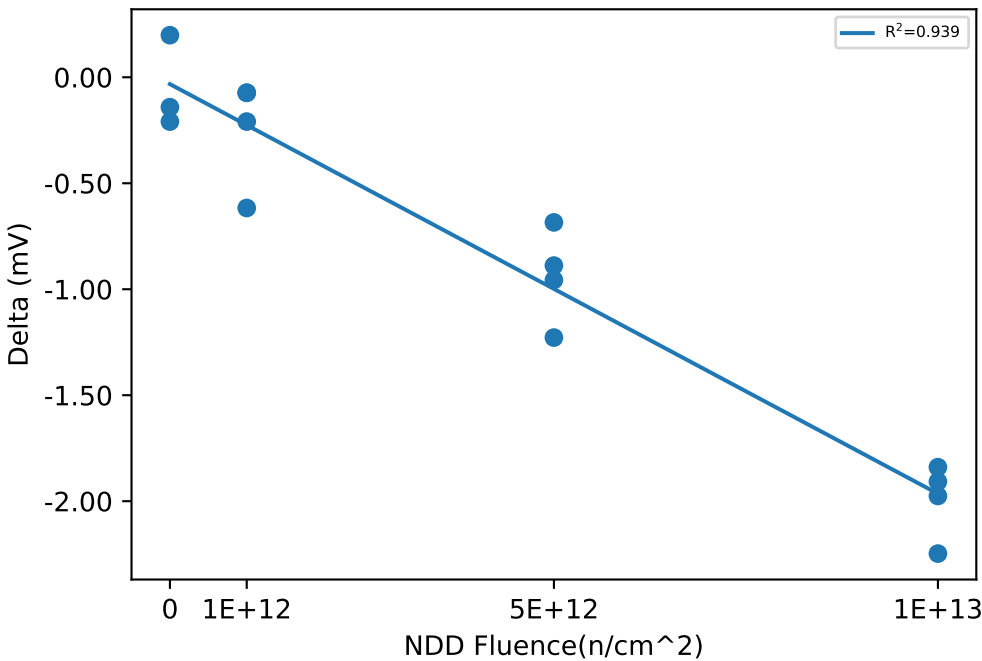
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.81	600.62	601.16	0.71906	599.81	600.58	601.1	0.68055	-0.0631	-0.040433	0.0049	0.03926
1e+12	599.6	600.06	600.42	0.36535	599.47	599.81	600.08	0.26607	-0.3349	-0.24995	-0.1311	0.10188
5e+12	600.15	600.32	600.69	0.25725	599.06	599.42	599.81	0.3481	-1.0822	-0.89537	-0.6746	0.16983
1e+13	599.53	599.89	600.35	0.3654	597.5	598.06	598.72	0.50347	-2.0336	-1.8297	-1.6258	0.23536

Device Test: 13.20; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

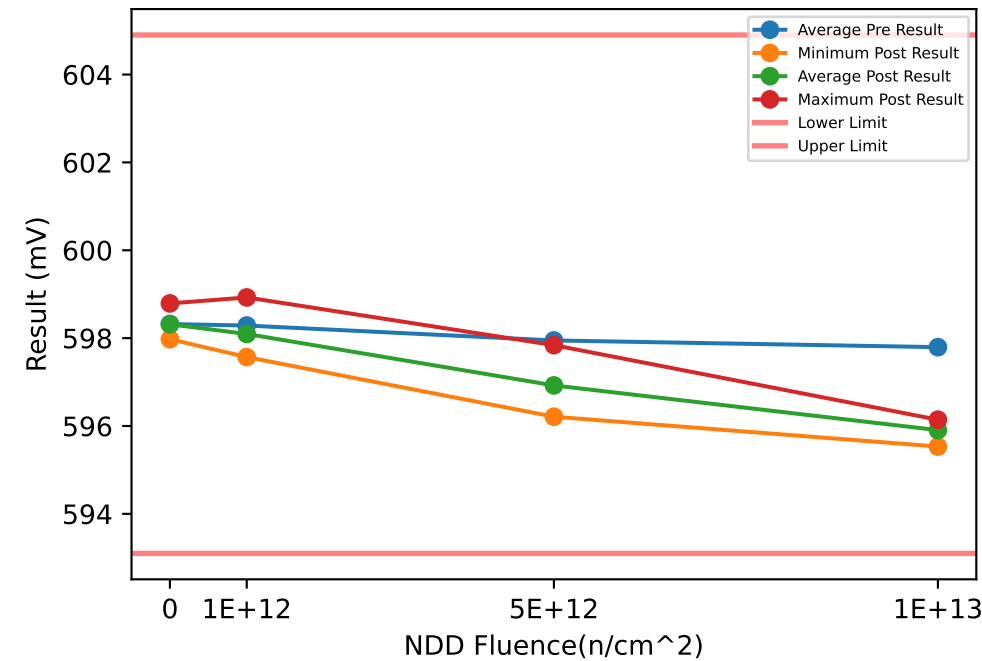
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.3	599.68	-0.6167
314	1e+12	NDD Unbiased	600.09	600.02	-0.0732
315	1e+12	NDD Unbiased	600.36	600.16	-0.209
316	1e+12	NDD Unbiased	600.64	600.56	-0.0732
317	5e+12	NDD Unbiased	599.62	598.73	-0.8884
318	5e+12	NDD Unbiased	600.5	599.54	-0.9564
320	5e+12	NDD Unbiased	600.09	598.86	-1.2281
321	5e+12	NDD Unbiased	601.11	600.43	-0.6847
322	1e+13	NDD Unbiased	600.7	598.73	-1.9754
323	1e+13	NDD Unbiased	600.23	598.32	-1.9075
324	1e+13	NDD Unbiased	600.09	597.85	-2.2472
325	1e+13	NDD Unbiased	599.82	597.98	-1.8395
326	0	Correlation	600.77	600.97	0.1985
327	0	Correlation	600.7	600.56	-0.1411
328	0	Correlation	599.89	599.68	-0.2091

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.89	600.45	600.77	0.49146	599.68	600.4	600.97	0.65984	-0.2091	-0.050567	0.1985	0.21836
1e+12	600.09	600.35	600.64	0.22447	599.68	600.1	600.56	0.36533	-0.6167	-0.24303	-0.0732	0.25721
5e+12	599.62	600.33	601.11	0.63371	598.73	599.39	600.43	0.77731	-1.2281	-0.9394	-0.6847	0.22443
1e+13	599.82	600.21	600.7	0.36952	597.85	598.22	598.73	0.3942	-2.2472	-1.9924	-1.8395	0.1787

Device Test: 13.21; VTH_SENSE

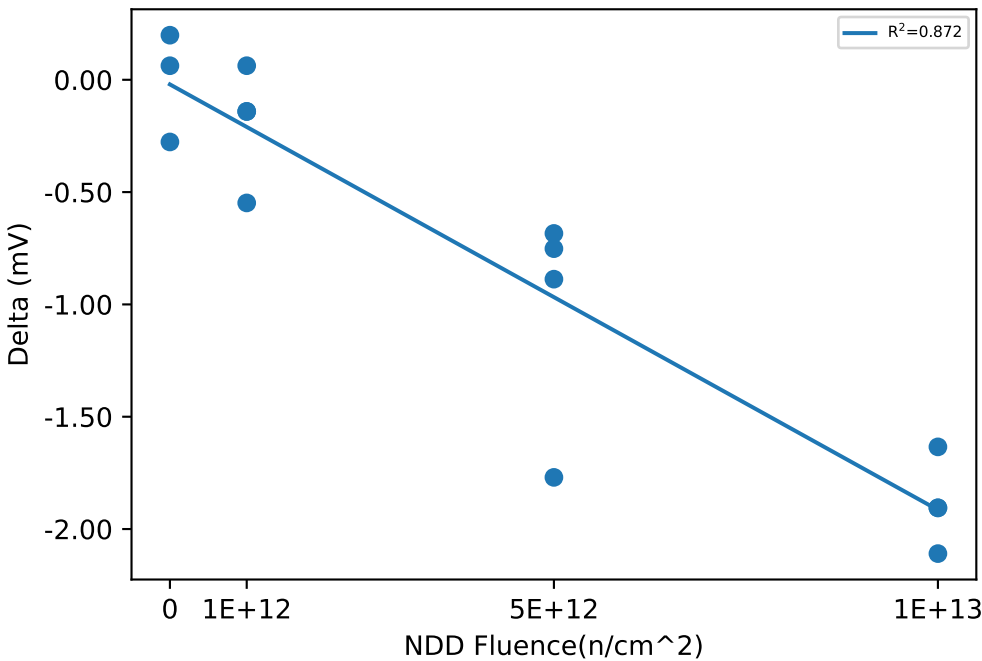
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.59	598.04	-0.5482
314	1e+12	NDD Unbiased	597.71	597.57	-0.1409
315	1e+12	NDD Unbiased	598.86	598.93	0.0627
316	1e+12	NDD Unbiased	597.98	597.84	-0.1409
317	5e+12	NDD Unbiased	597.71	596.96	-0.7518
318	5e+12	NDD Unbiased	598.46	596.69	-1.77
320	5e+12	NDD Unbiased	597.1	596.21	-0.8876
321	5e+12	NDD Unbiased	598.52	597.84	-0.684
322	1e+13	NDD Unbiased	598.12	596.01	-2.1093
323	1e+13	NDD Unbiased	597.44	595.53	-1.9057
324	1e+13	NDD Unbiased	597.78	596.14	-1.6342
325	1e+13	NDD Unbiased	597.85	595.94	-1.9057
326	0	Correlation	599.07	598.79	-0.2768
327	0	Correlation	597.91	597.98	0.0626
328	0	Correlation	597.98	598.18	0.1985

NDD vs Post - Pre Exposure Delta

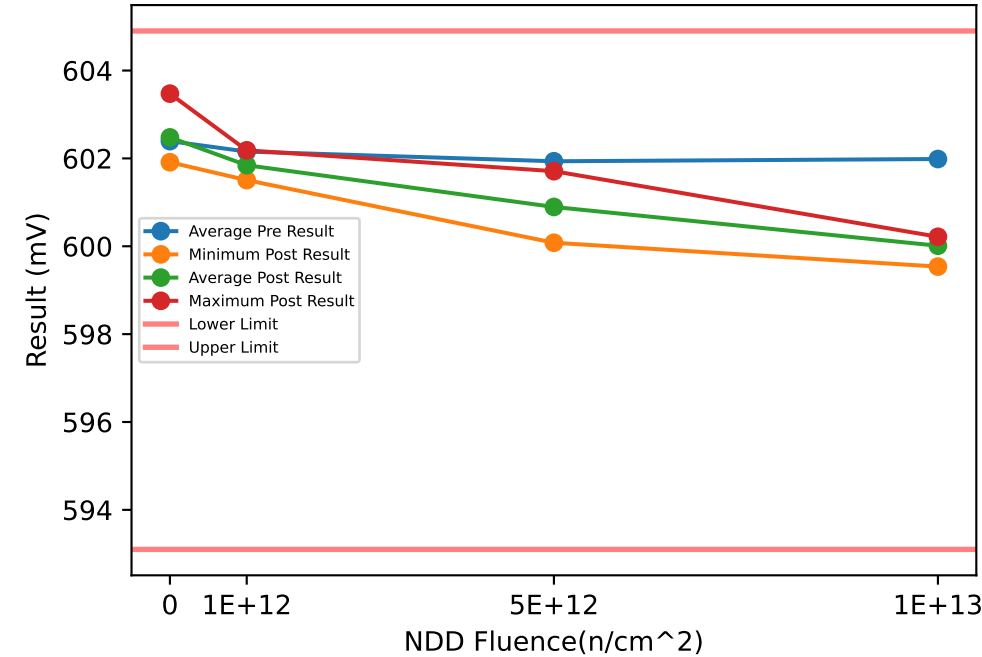


Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.91	598.32	599.07	0.64752	597.98	598.32	598.79	0.42387	-0.2768	-0.0052333	0.1985	0.2448
1e+12	597.71	598.29	598.86	0.53302	597.57	598.09	598.93	0.58749	-0.5482	-0.19182	0.0627	0.25624
5e+12	597.1	597.95	598.52	0.67536	596.21	596.92	597.84	0.68439	-1.77	-1.0234	-0.684	0.50491
1e+13	597.44	597.79	598.12	0.27919	595.53	595.91	596.14	0.2629	-2.1093	-1.8887	-1.6342	0.19495

Device Test: 13.22; VTH_SENSE

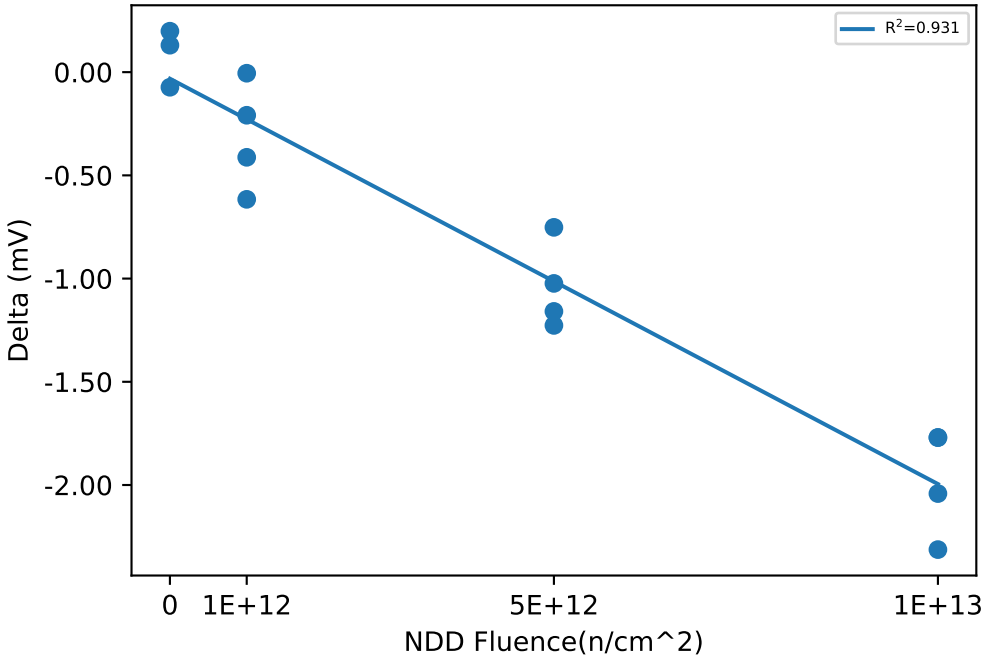
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	602.39	602.18	-0.2088
314	1e+12	NDD Unbiased	602.12	601.51	-0.6161
315	1e+12	NDD Unbiased	602.12	602.12	-0.0052
316	1e+12	NDD Unbiased	601.99	601.57	-0.4125
317	5e+12	NDD Unbiased	601.85	601.1	-0.7518
318	5e+12	NDD Unbiased	601.71	600.69	-1.0234
320	5e+12	NDD Unbiased	601.31	600.08	-1.2269
321	5e+12	NDD Unbiased	602.87	601.71	-1.159
322	1e+13	NDD Unbiased	601.92	600.15	-1.77
323	1e+13	NDD Unbiased	601.85	599.54	-2.3129
324	1e+13	NDD Unbiased	601.92	600.15	-1.77
325	1e+13	NDD Unbiased	602.26	600.22	-2.0415
326	0	Correlation	603.34	603.47	0.1306
327	0	Correlation	601.85	602.05	0.1984
328	0	Correlation	601.99	601.91	-0.0731

NDD vs Post - Pre Exposure Delta

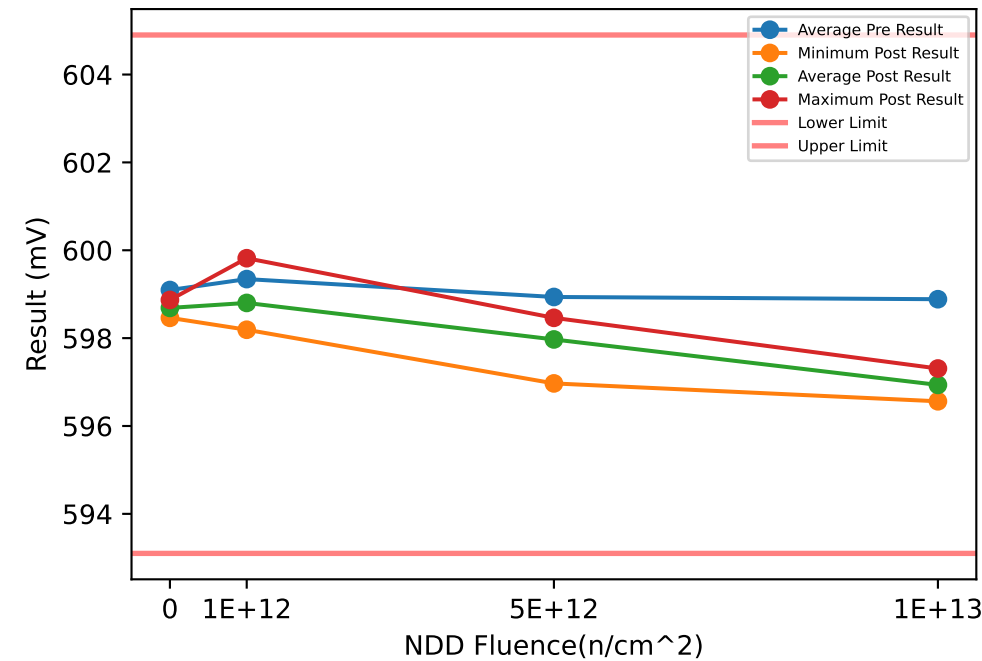


Test Statistics (mV)

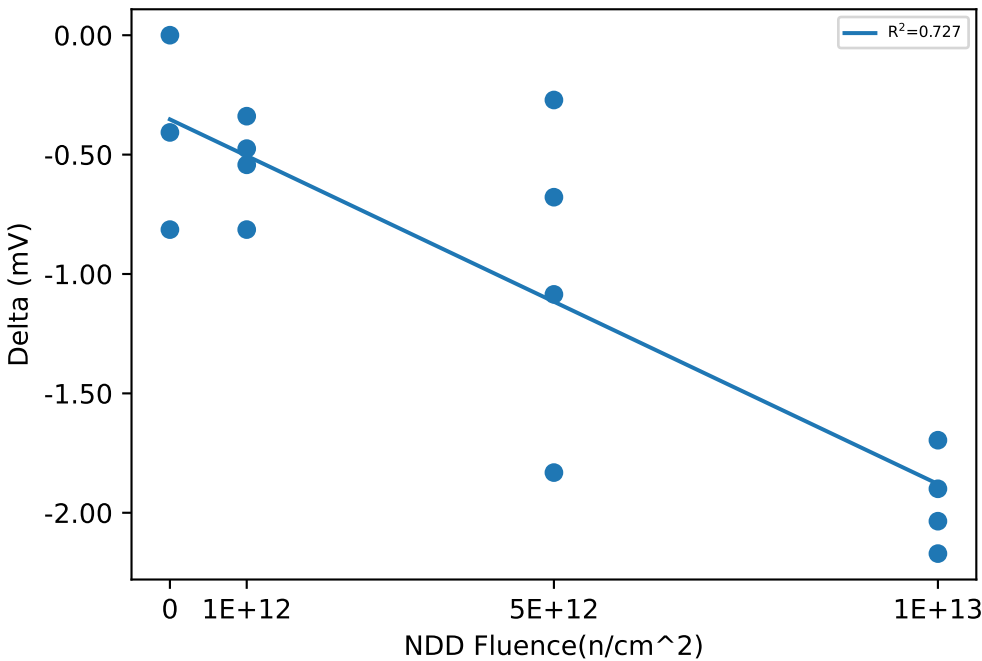
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.85	602.39	603.34	0.82569	601.91	602.48	603.47	0.86479	-0.0731	0.0853	0.1984	0.14131
1e+12	601.99	602.16	602.39	0.1708	601.51	601.84	602.18	0.35488	-0.6161	-0.31065	-0.0052	0.2629
5e+12	601.31	601.93	602.87	0.66357	600.08	600.89	601.71	0.68551	-1.2269	-1.0403	-0.7518	0.2101
1e+13	601.85	601.99	602.26	0.18382	599.54	600.01	600.22	0.31833	-2.3129	-1.9736	-1.77	0.2599

Device Test: 13.23; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

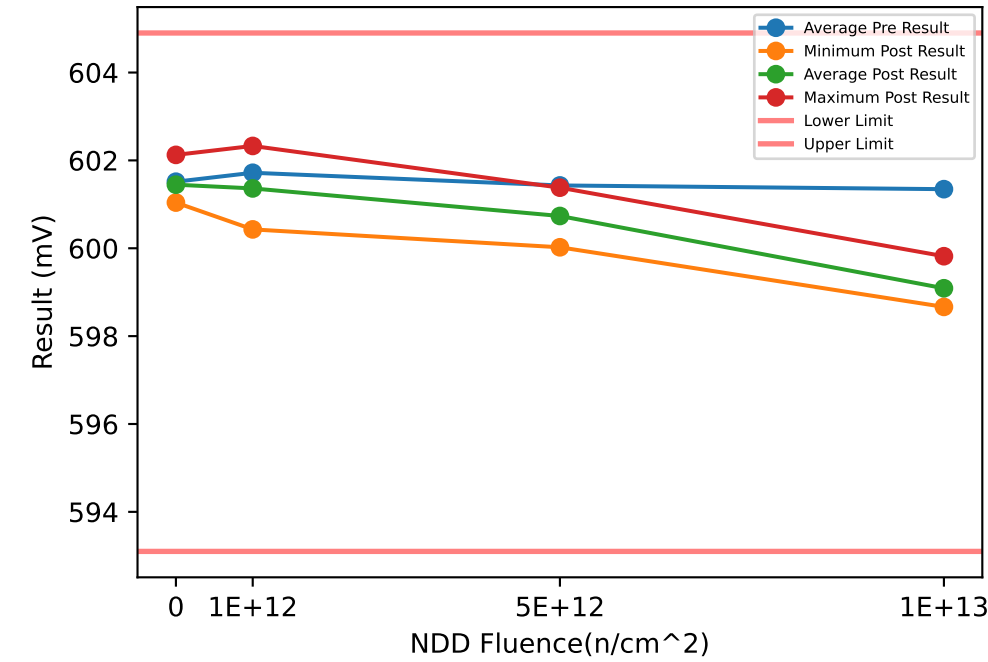
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.67	598.19	-0.4749
314	1e+12	NDD Unbiased	599.21	598.39	-0.814
315	1e+12	NDD Unbiased	600.16	599.82	-0.3391
316	1e+12	NDD Unbiased	599.34	598.8	-0.5427
317	5e+12	NDD Unbiased	598.73	598.46	-0.2713
318	5e+12	NDD Unbiased	598.73	598.05	-0.6784
320	5e+12	NDD Unbiased	598.8	596.97	-1.8317
321	5e+12	NDD Unbiased	599.48	598.39	-1.0854
322	1e+13	NDD Unbiased	599.34	597.31	-2.0353
323	1e+13	NDD Unbiased	598.6	596.9	-1.6961
324	1e+13	NDD Unbiased	598.73	596.56	-2.171
325	1e+13	NDD Unbiased	598.87	596.97	-1.8996
326	0	Correlation	599.28	598.87	-0.4071
327	0	Correlation	598.73	598.73	0.0001
328	0	Correlation	599.28	598.46	-0.8141

Test Statistics (mV)

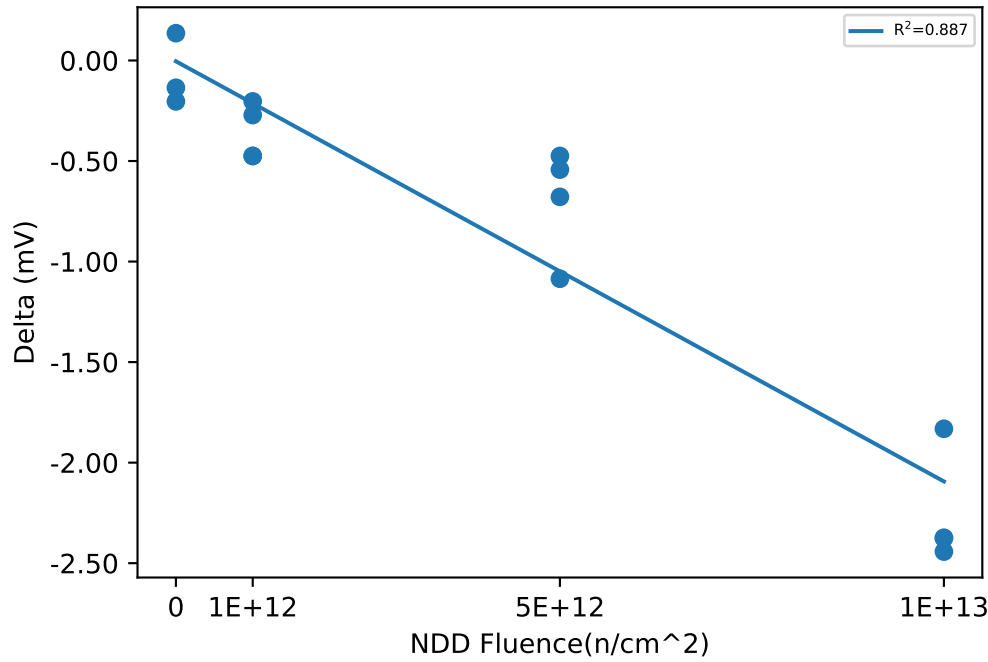
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.73	599.1	599.28	0.31339	598.46	598.69	598.87	0.20724	-0.8141	-0.40703	0.0001	0.4071
1e+12	598.67	599.34	600.16	0.61682	598.19	598.8	599.82	0.72438	-0.814	-0.54268	-0.3391	0.19971
5e+12	598.73	598.94	599.48	0.36326	596.97	597.97	598.46	0.69051	-1.8317	-0.9667	-0.2713	0.66559
1e+13	598.6	598.89	599.34	0.32478	596.56	596.94	597.31	0.30593	-2.171	-1.9505	-1.6961	0.20258

Device Test: 13.24; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

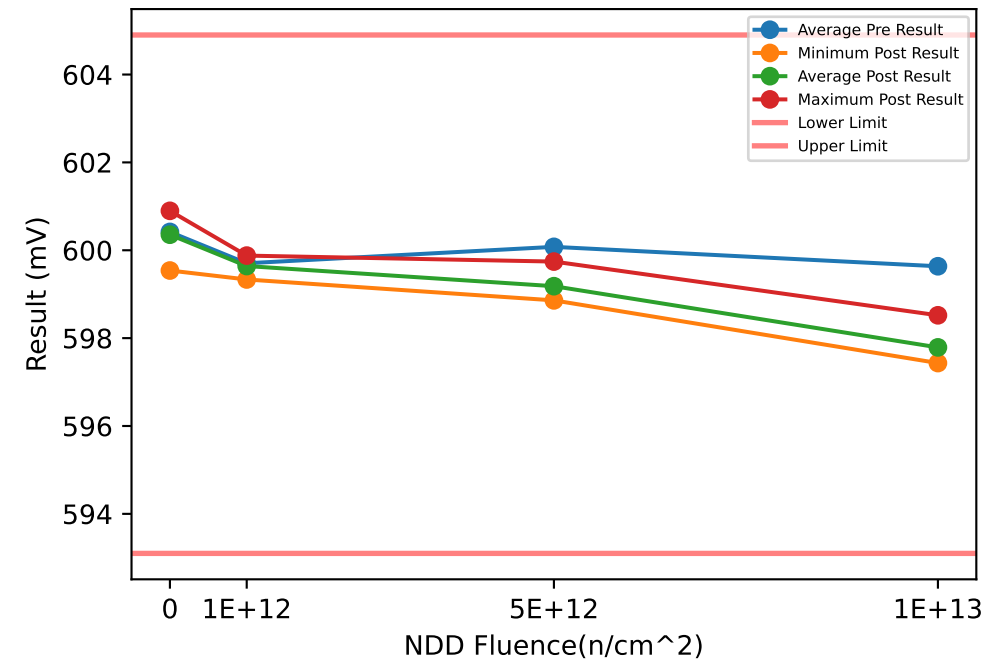
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.9	600.43	-0.4748
314	1e+12	NDD Unbiased	601.51	601.24	-0.2713
315	1e+12	NDD Unbiased	602.8	602.33	-0.4749
316	1e+12	NDD Unbiased	601.65	601.45	-0.2035
317	5e+12	NDD Unbiased	601.85	601.38	-0.4748
318	5e+12	NDD Unbiased	600.9	600.36	-0.5427
320	5e+12	NDD Unbiased	601.11	600.02	-1.0855
321	5e+12	NDD Unbiased	601.85	601.18	-0.6783
322	1e+13	NDD Unbiased	602.19	599.82	-2.3745
323	1e+13	NDD Unbiased	601.04	598.67	-2.3745
324	1e+13	NDD Unbiased	601.11	598.67	-2.4424
325	1e+13	NDD Unbiased	601.04	599.21	-1.8317
326	0	Correlation	601.99	602.13	0.1357
327	0	Correlation	601.18	601.04	-0.1356
328	0	Correlation	601.38	601.18	-0.2035

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.18	601.51	601.99	0.42372	601.04	601.45	602.13	0.59145	-0.2035	-0.0678	0.1357	0.17948
1e+12	600.9	601.72	602.8	0.79315	600.43	601.36	602.33	0.7802	-0.4749	-0.35613	-0.2035	0.13986
5e+12	600.9	601.43	601.85	0.4966	600.02	600.73	601.38	0.64721	-1.0855	-0.69533	-0.4748	0.27353
1e+13	601.04	601.35	602.19	0.56629	598.67	599.09	599.82	0.54945	-2.4424	-2.2558	-1.8317	0.28452

Device Test: 13.25; VTH_SENSE

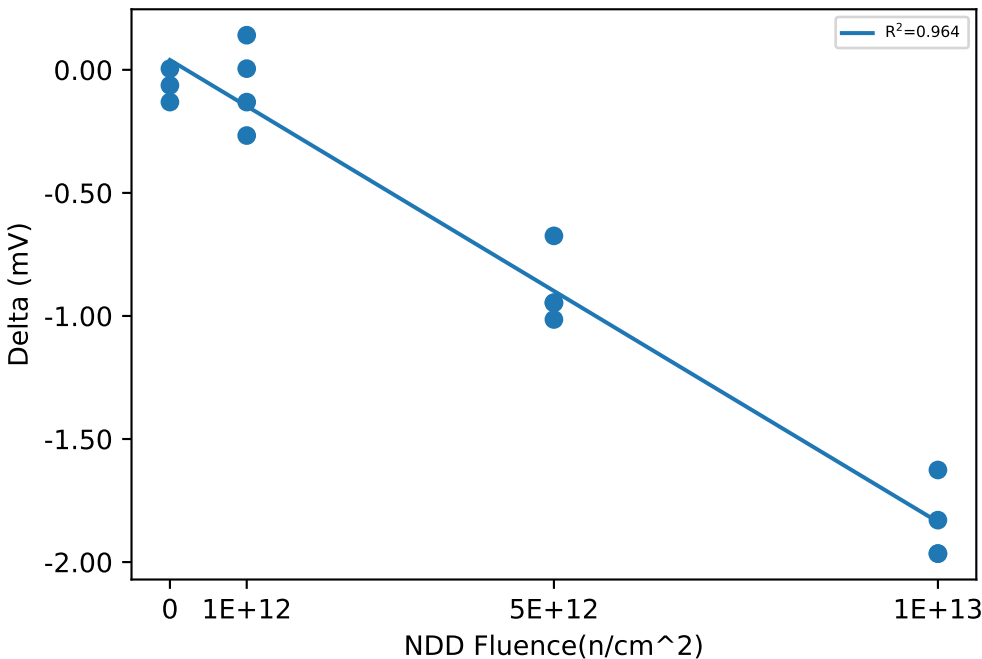
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.01	599.74	-0.267
314	1e+12	NDD Unbiased	599.47	599.61	0.1407
315	1e+12	NDD Unbiased	600.01	599.88	-0.1311
316	1e+12	NDD Unbiased	599.33	599.34	0.0048
317	5e+12	NDD Unbiased	599.87	598.86	-1.0144
318	5e+12	NDD Unbiased	599.94	599.27	-0.6746
320	5e+12	NDD Unbiased	599.81	598.86	-0.9464
321	5e+12	NDD Unbiased	600.69	599.74	-0.9464
322	1e+13	NDD Unbiased	600.15	598.52	-1.6258
323	1e+13	NDD Unbiased	599.53	597.57	-1.9655
324	1e+13	NDD Unbiased	599.4	597.43	-1.9655
325	1e+13	NDD Unbiased	599.47	597.64	-1.8296
326	0	Correlation	601.03	600.9	-0.1311
327	0	Correlation	600.62	600.63	0.0048
328	0	Correlation	599.6	599.54	-0.0631

NDD vs Post - Pre Exposure Delta

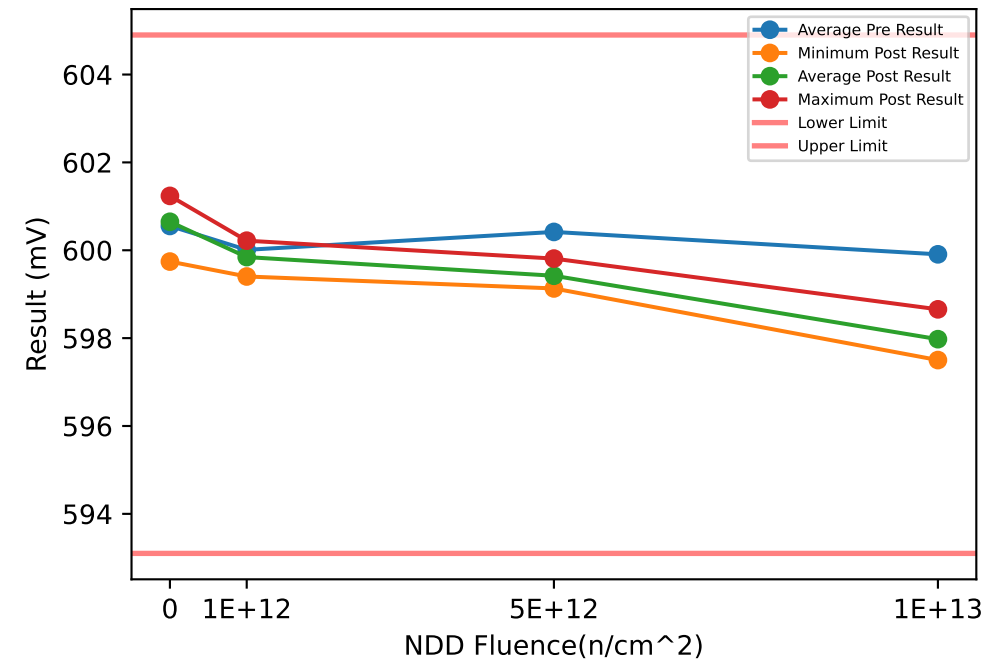


Test Statistics (mV)

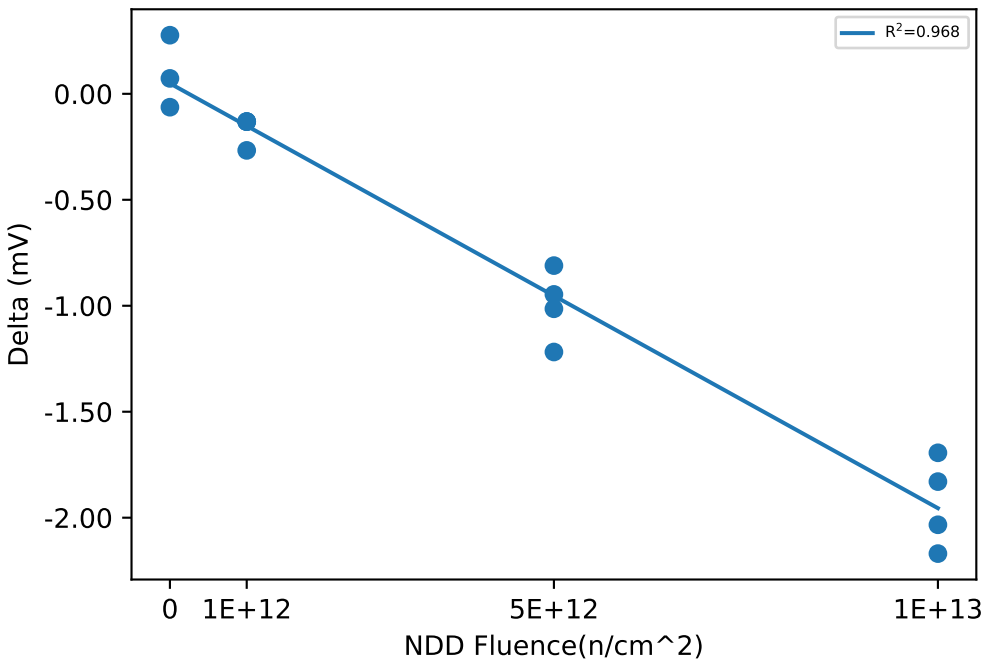
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.6	600.42	601.03	0.73492	599.54	600.35	600.9	0.71902	-0.1311	-0.063133	0.0048	0.06795
1e+12	599.33	599.7	600.01	0.35741	599.34	599.64	599.88	0.23209	-0.267	-0.06315	0.1407	0.17545
5e+12	599.81	600.08	600.69	0.41142	598.86	599.18	599.74	0.42023	-1.0144	-0.89545	-0.6746	0.15068
1e+13	599.4	599.64	600.15	0.34422	597.43	597.79	598.52	0.49424	-1.9655	-1.8466	-1.6258	0.16054

Device Test: 13.26; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

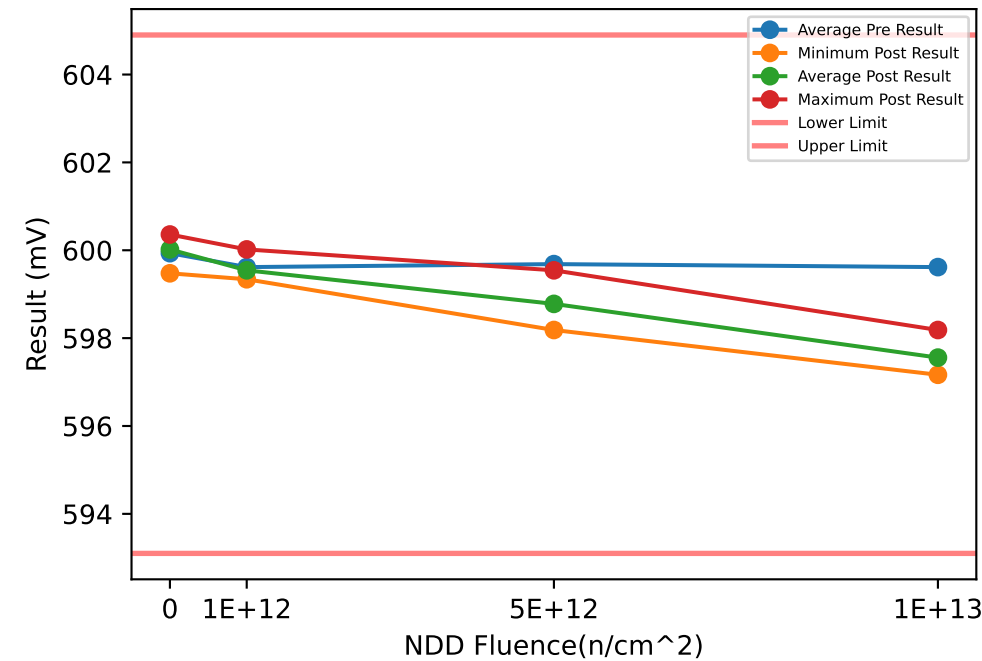
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.35	600.22	-0.1311
314	1e+12	NDD Unbiased	599.94	599.67	-0.2669
315	1e+12	NDD Unbiased	600.21	600.08	-0.1311
316	1e+12	NDD Unbiased	599.53	599.4	-0.131
317	5e+12	NDD Unbiased	600.49	599.27	-1.2182
318	5e+12	NDD Unbiased	600.42	599.47	-0.9464
320	5e+12	NDD Unbiased	599.94	599.13	-0.8105
321	5e+12	NDD Unbiased	600.83	599.81	-1.0143
322	1e+13	NDD Unbiased	600.49	598.66	-1.8297
323	1e+13	NDD Unbiased	599.94	597.77	-2.1694
324	1e+13	NDD Unbiased	599.53	597.5	-2.0334
325	1e+13	NDD Unbiased	599.67	597.98	-1.6938
326	0	Correlation	601.16	601.24	0.0728
327	0	Correlation	600.69	600.97	0.2766
328	0	Correlation	599.81	599.74	-0.0631

Test Statistics (mV)

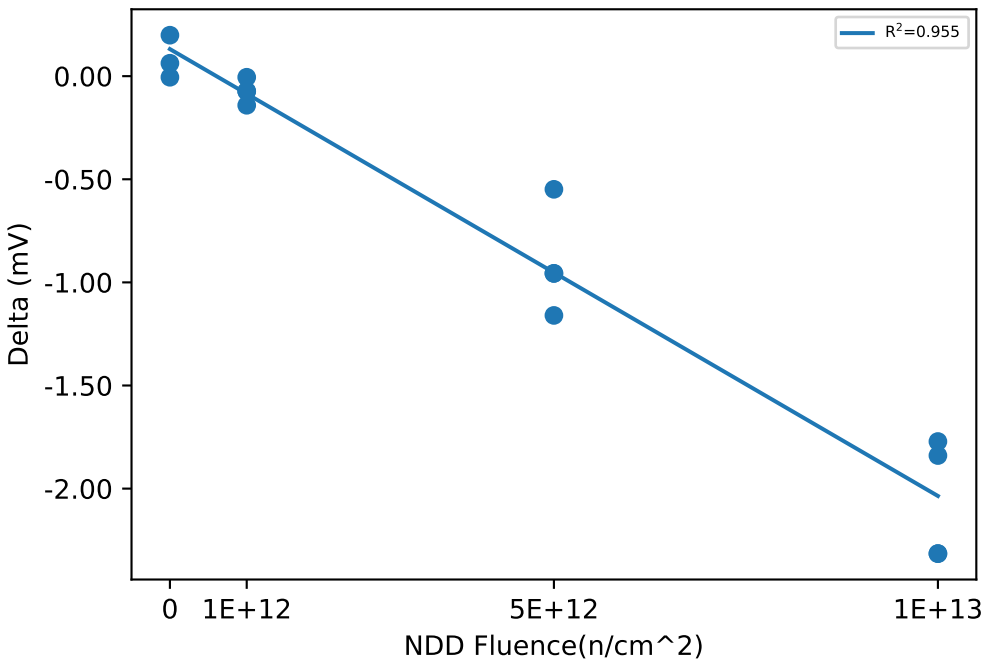
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.81	600.55	601.16	0.68957	599.74	600.65	601.24	0.79624	-0.0631	0.095433	0.2766	0.17098
1e+12	599.53	600.01	600.35	0.35956	599.4	599.84	600.22	0.37418	-0.2669	-0.16502	-0.131	0.067917
5e+12	599.94	600.42	600.83	0.36379	599.13	599.42	599.81	0.29553	-1.2182	-0.99735	-0.8105	0.16987
1e+13	599.53	599.91	600.49	0.42071	597.5	597.98	598.66	0.49307	-2.1694	-1.9316	-1.6938	0.21122

Device Test: 13.27; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

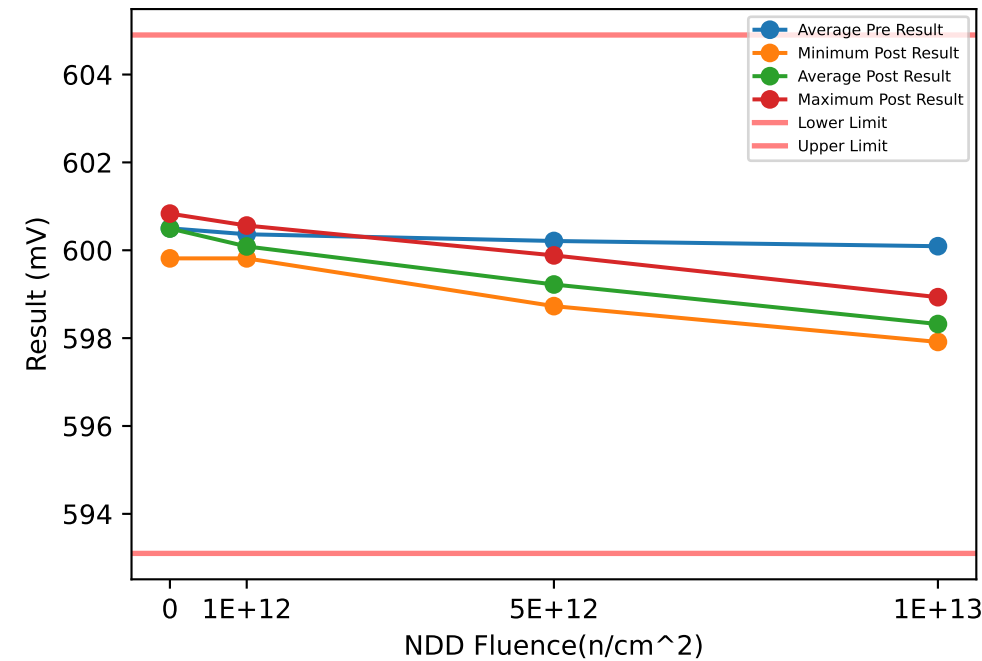
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.41	599.34	-0.0732
314	1e+12	NDD Unbiased	599.35	599.34	-0.0053
315	1e+12	NDD Unbiased	599.55	599.48	-0.0732
316	1e+12	NDD Unbiased	600.16	600.02	-0.1412
317	5e+12	NDD Unbiased	599.14	598.18	-0.9563
318	5e+12	NDD Unbiased	599.55	599	-0.5487
320	5e+12	NDD Unbiased	599.35	598.39	-0.9564
321	5e+12	NDD Unbiased	600.7	599.54	-1.1602
322	1e+13	NDD Unbiased	600.02	598.18	-1.8396
323	1e+13	NDD Unbiased	599.75	597.44	-2.3151
324	1e+13	NDD Unbiased	599.48	597.17	-2.3151
325	1e+13	NDD Unbiased	599.21	597.44	-1.7716
326	0	Correlation	600.23	600.22	-0.0053
327	0	Correlation	600.3	600.36	0.0626
328	0	Correlation	599.28	599.48	0.1986

Test Statistics (mV)

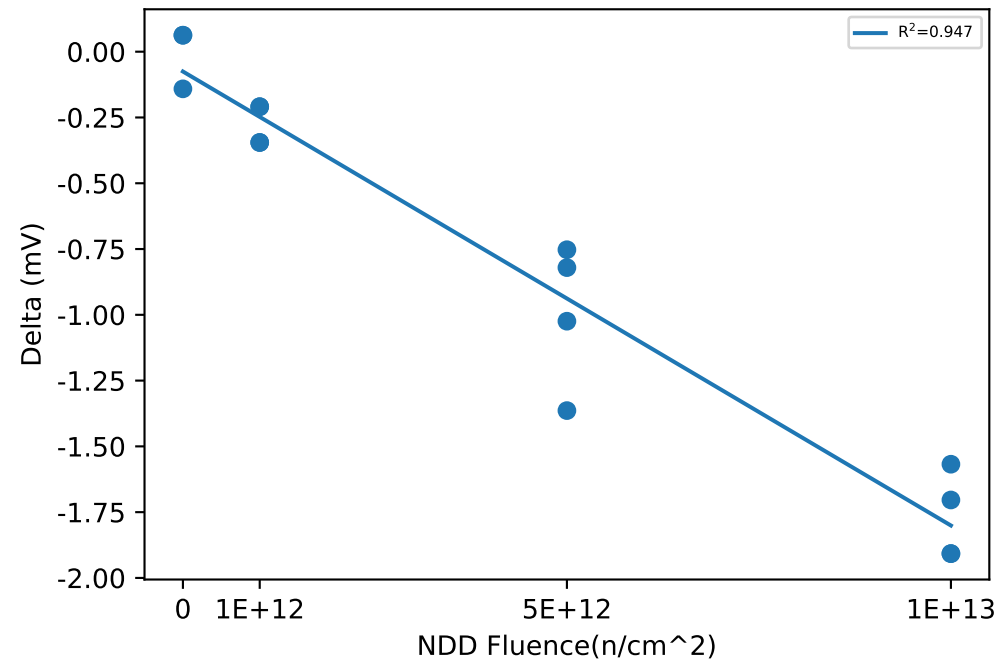
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.28	599.93	600.3	0.56979	599.48	600.02	600.36	0.47553	-0.0053	0.0853	0.1986	0.10383
1e+12	599.35	599.62	600.16	0.37214	599.34	599.54	600.02	0.32346	-0.1412	-0.073225	-0.0053	0.055481
5e+12	599.14	599.68	600.7	0.69946	598.18	598.78	599.54	0.61613	-1.1602	-0.9054	-0.5487	0.25648
1e+13	599.21	599.62	600.02	0.35085	597.17	597.56	598.18	0.4381	-2.3151	-2.0604	-1.7716	0.29547

Device Test: 13.28; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

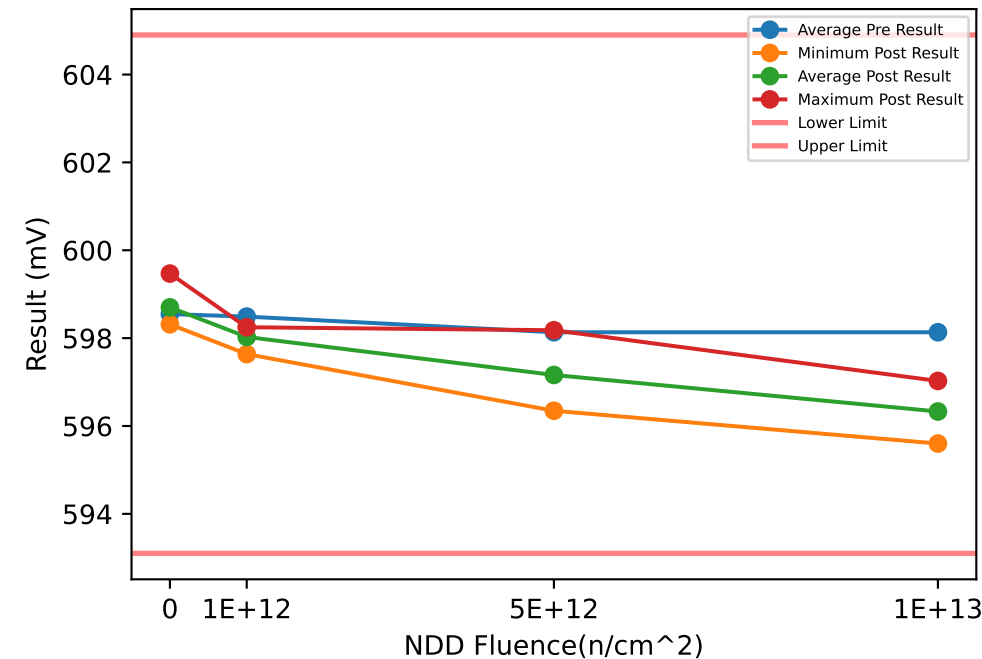
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.16	599.82	-0.345
314	1e+12	NDD Unbiased	600.23	599.88	-0.345
315	1e+12	NDD Unbiased	600.3	600.09	-0.2091
316	1e+12	NDD Unbiased	600.77	600.56	-0.2091
317	5e+12	NDD Unbiased	599.75	598.73	-1.0243
318	5e+12	NDD Unbiased	600.02	599.2	-0.8206
320	5e+12	NDD Unbiased	599.82	599.07	-0.7526
321	5e+12	NDD Unbiased	601.25	599.88	-1.364
322	1e+13	NDD Unbiased	600.64	598.93	-1.7037
323	1e+13	NDD Unbiased	600.09	598.18	-1.9075
324	1e+13	NDD Unbiased	599.82	597.91	-1.9075
325	1e+13	NDD Unbiased	599.82	598.25	-1.5678
326	0	Correlation	600.98	600.83	-0.1412
327	0	Correlation	600.77	600.83	0.0626
328	0	Correlation	599.75	599.82	0.0627

Test Statistics (mV)

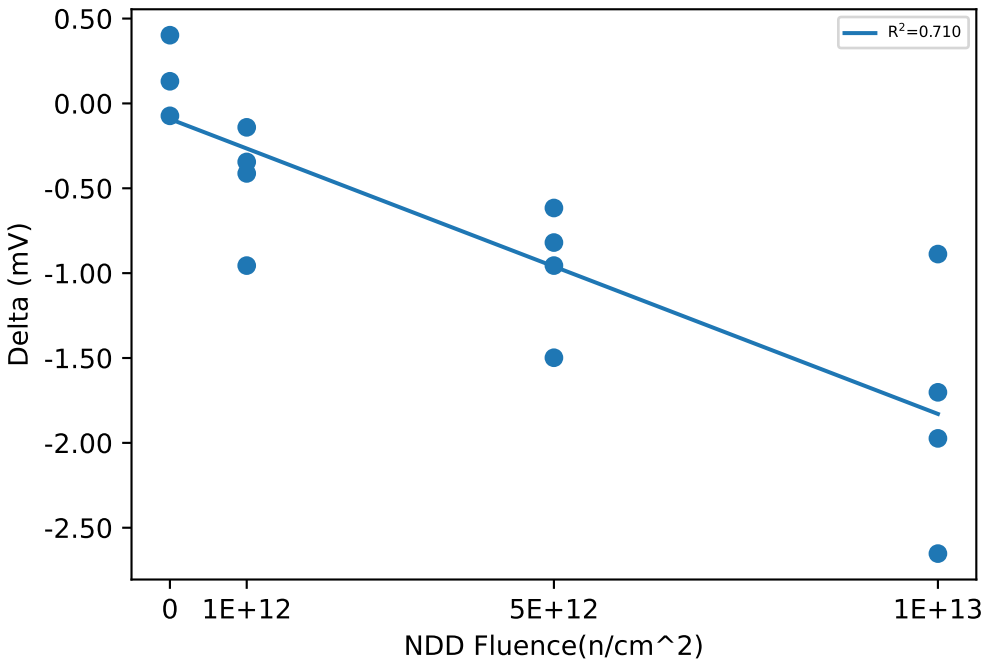
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.75	600.5	600.98	0.65518	599.82	600.49	600.83	0.58832	-0.1412	-0.0053	0.0627	0.11769
1e+12	600.16	600.36	600.77	0.27735	599.82	600.09	600.56	0.33742	-0.345	-0.27705	-0.2091	0.078462
5e+12	599.75	600.21	601.25	0.70027	598.73	599.22	599.88	0.48477	-1.364	-0.99038	-0.7526	0.27453
1e+13	599.82	600.09	600.64	0.38434	597.91	598.32	598.93	0.43325	-1.9075	-1.7716	-1.5678	0.16642

Device Test: 13.29; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

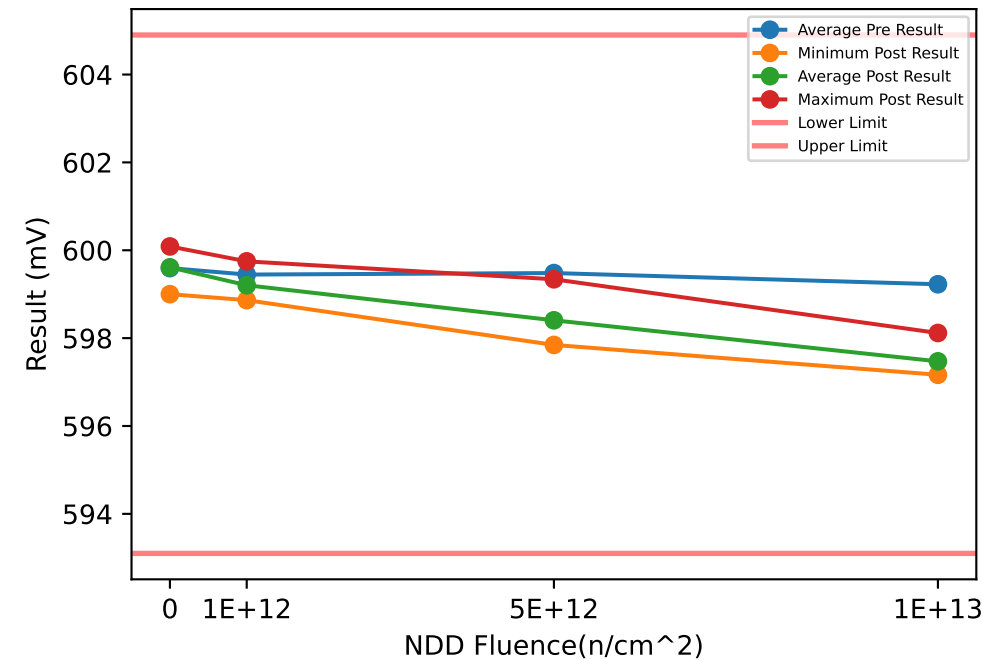
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.59	598.18	-0.4124
314	1e+12	NDD Unbiased	597.78	597.64	-0.1409
315	1e+12	NDD Unbiased	599.2	598.25	-0.9555
316	1e+12	NDD Unbiased	598.39	598.04	-0.3446
317	5e+12	NDD Unbiased	597.98	597.03	-0.9554
318	5e+12	NDD Unbiased	598.59	597.09	-1.4984
320	5e+12	NDD Unbiased	597.17	596.35	-0.8197
321	5e+12	NDD Unbiased	598.8	598.18	-0.6161
322	1e+13	NDD Unbiased	597.91	597.03	-0.8876
323	1e+13	NDD Unbiased	598.25	595.6	-2.6524
324	1e+13	NDD Unbiased	598.05	596.35	-1.7021
325	1e+13	NDD Unbiased	598.32	596.35	-1.9736
326	0	Correlation	599.07	599.47	0.402
327	0	Correlation	598.18	598.32	0.1305
328	0	Correlation	598.39	598.32	-0.0731

Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.18	598.55	599.07	0.46203	598.32	598.7	599.47	0.6662	-0.0731	0.15313	0.402	0.23836
1e+12	597.78	598.49	599.2	0.58782	597.64	598.03	598.25	0.27359	-0.9555	-0.46335	-0.1409	0.34779
5e+12	597.17	598.13	598.8	0.73186	596.35	597.16	598.18	0.75788	-1.4984	-0.9724	-0.6161	0.37737
1e+13	597.91	598.13	598.32	0.18691	595.6	596.33	597.03	0.58225	-2.6524	-1.8039	-0.8876	0.73

Device Test: 13.3; VTH_SENSE

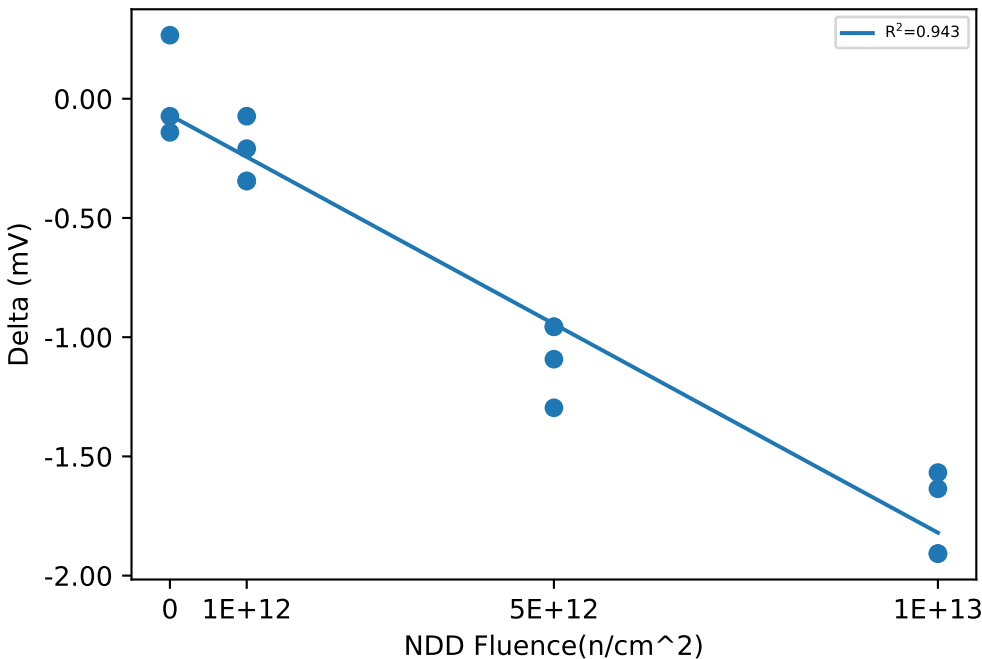
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	599.21	598.86	-0.3449
314	1e+12	NDD Unbiased	599.35	599	-0.3449
315	1e+12	NDD Unbiased	599.41	599.2	-0.2091
316	1e+12	NDD Unbiased	599.82	599.75	-0.0732
317	5e+12	NDD Unbiased	598.94	597.98	-0.9564
318	5e+12	NDD Unbiased	599.75	598.46	-1.2961
320	5e+12	NDD Unbiased	598.94	597.85	-1.0923
321	5e+12	NDD Unbiased	600.3	599.34	-0.9564
322	1e+13	NDD Unbiased	599.75	598.12	-1.6358
323	1e+13	NDD Unbiased	599.21	597.3	-1.9075
324	1e+13	NDD Unbiased	599.07	597.17	-1.9076
325	1e+13	NDD Unbiased	598.87	597.3	-1.5678
326	0	Correlation	599.82	600.09	0.2665
327	0	Correlation	599.82	599.75	-0.0732
328	0	Correlation	599.14	599	-0.141

NDD vs Post - Pre Exposure Delta

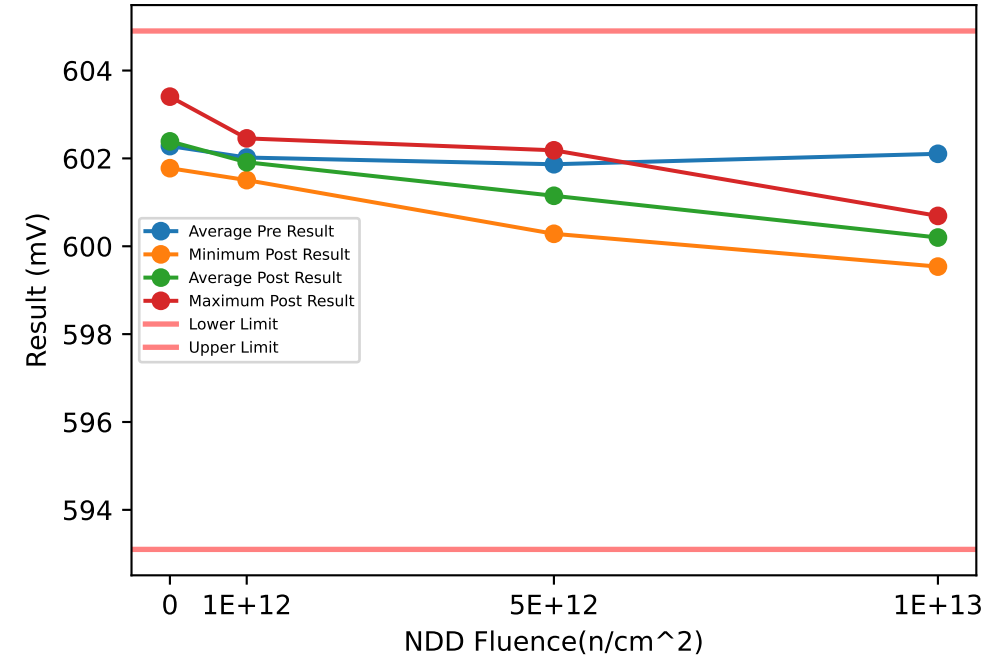


Test Statistics (mV)

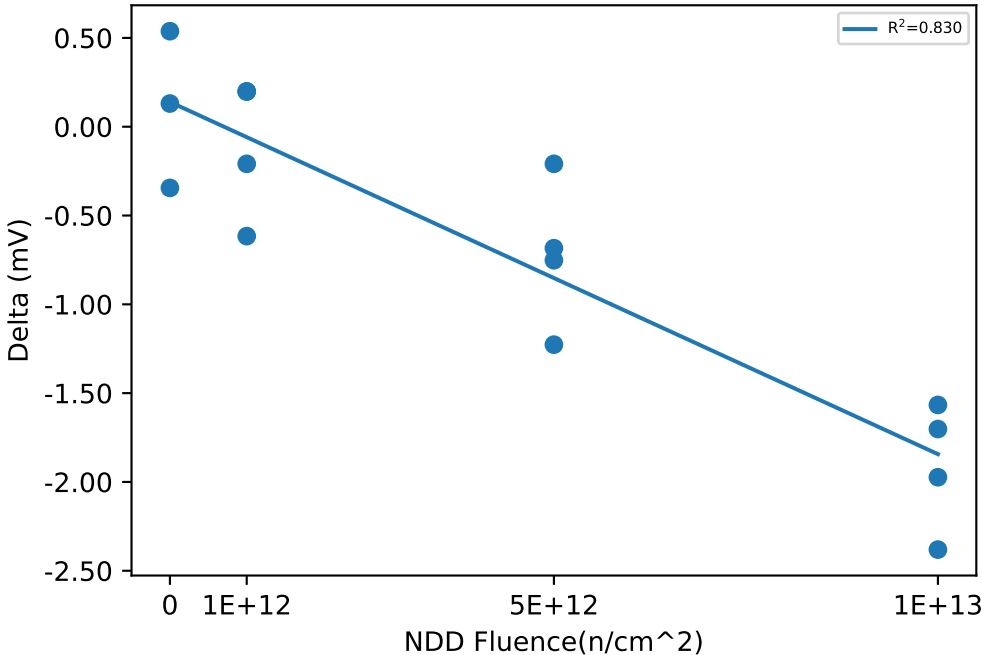
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.14	599.59	599.82	0.39225	599	599.61	600.09	0.55604	-0.141	0.017433	0.2665	0.21835
1e+12	599.21	599.45	599.82	0.2631	598.86	599.2	599.75	0.38825	-0.3449	-0.24303	-0.0732	0.13006
5e+12	598.94	599.48	600.3	0.66562	597.85	598.41	599.34	0.67567	-1.2961	-1.0753	-0.9564	0.16054
1e+13	598.87	599.23	599.75	0.37775	597.17	597.47	598.12	0.43499	-1.9076	-1.7547	-1.5678	0.17869

Device Test: 13.30; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

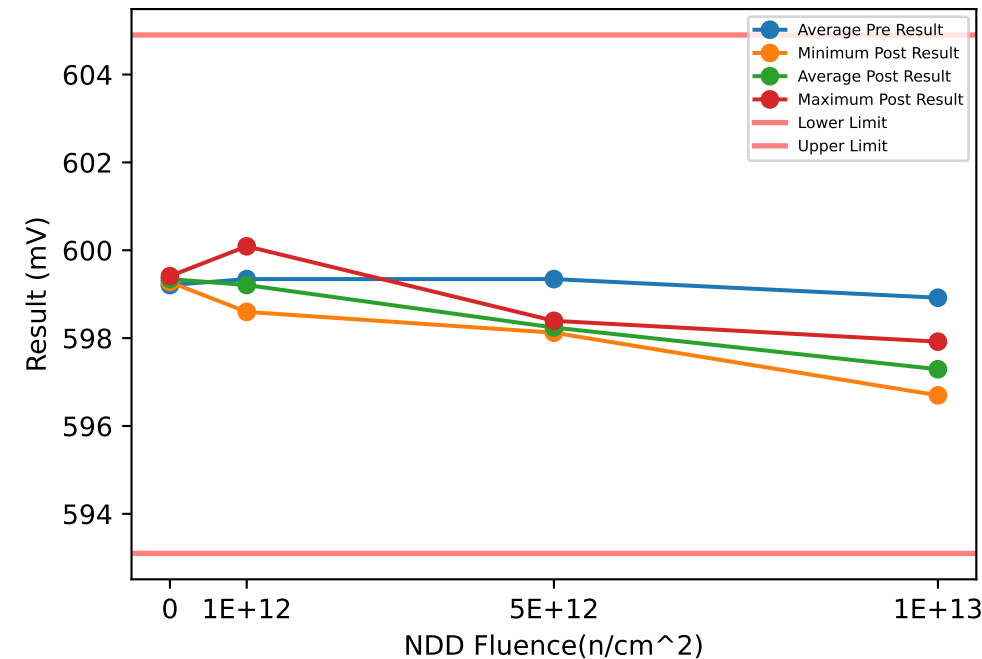
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	602.6	601.98	-0.616
314	1e+12	NDD Unbiased	601.71	601.51	-0.2089
315	1e+12	NDD Unbiased	602.26	602.46	0.1984
316	1e+12	NDD Unbiased	601.51	601.71	0.1985
317	5e+12	NDD Unbiased	602.12	601.37	-0.7518
318	5e+12	NDD Unbiased	601.99	600.76	-1.227
320	5e+12	NDD Unbiased	600.97	600.28	-0.6839
321	5e+12	NDD Unbiased	602.39	602.18	-0.2088
322	1e+13	NDD Unbiased	602.39	600.69	-1.7021
323	1e+13	NDD Unbiased	601.51	599.54	-1.9735
324	1e+13	NDD Unbiased	602.26	599.88	-2.3809
325	1e+13	NDD Unbiased	602.26	600.69	-1.5664
326	0	Correlation	603.28	603.41	0.1305
327	0	Correlation	601.44	601.98	0.5378
328	0	Correlation	602.12	601.78	-0.3446

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.44	602.28	603.28	0.92651	601.78	602.39	603.41	0.88756	-0.3446	0.1079	0.5378	0.44163
1e+12	601.51	602.02	602.6	0.49723	601.51	601.91	602.46	0.41102	-0.616	-0.107	0.1985	0.3899
5e+12	600.97	601.87	602.39	0.62302	600.28	601.15	602.18	0.82084	-1.227	-0.71788	-0.2088	0.4166
1e+13	601.51	602.1	602.39	0.4011	599.54	600.2	600.69	0.58484	-2.3809	-1.9057	-1.5664	0.35916

Device Test: 13.31; VTH_SENSE

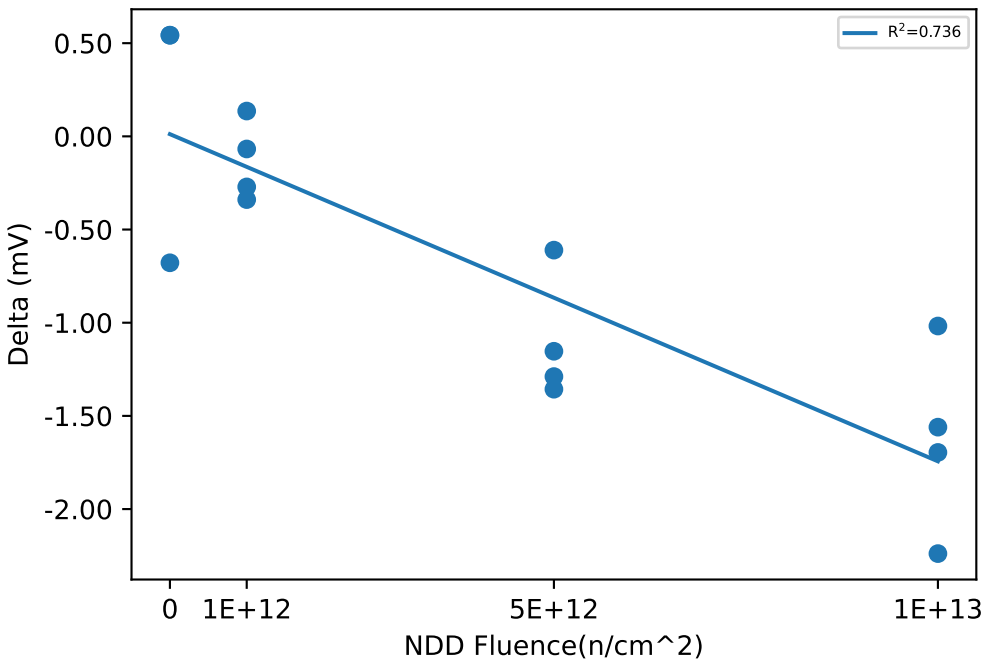
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.94	598.6	-0.3393
314	1e+12	NDD Unbiased	598.6	598.73	0.1358
315	1e+12	NDD Unbiased	600.16	600.09	-0.0677
316	1e+12	NDD Unbiased	599.68	599.41	-0.2713
317	5e+12	NDD Unbiased	599.62	598.33	-1.289
318	5e+12	NDD Unbiased	599.48	598.12	-1.3568
320	5e+12	NDD Unbiased	598.73	598.12	-0.6105
321	5e+12	NDD Unbiased	599.55	598.39	-1.1532
322	1e+13	NDD Unbiased	598.94	597.92	-1.0177
323	1e+13	NDD Unbiased	598.87	597.17	-1.6961
324	1e+13	NDD Unbiased	598.94	596.7	-2.2389
325	1e+13	NDD Unbiased	598.94	597.38	-1.5604
326	0	Correlation	600.02	599.34	-0.6784
327	0	Correlation	598.87	599.41	0.5428
328	0	Correlation	598.73	599.28	0.5428

NDD vs Post - Pre Exposure Delta

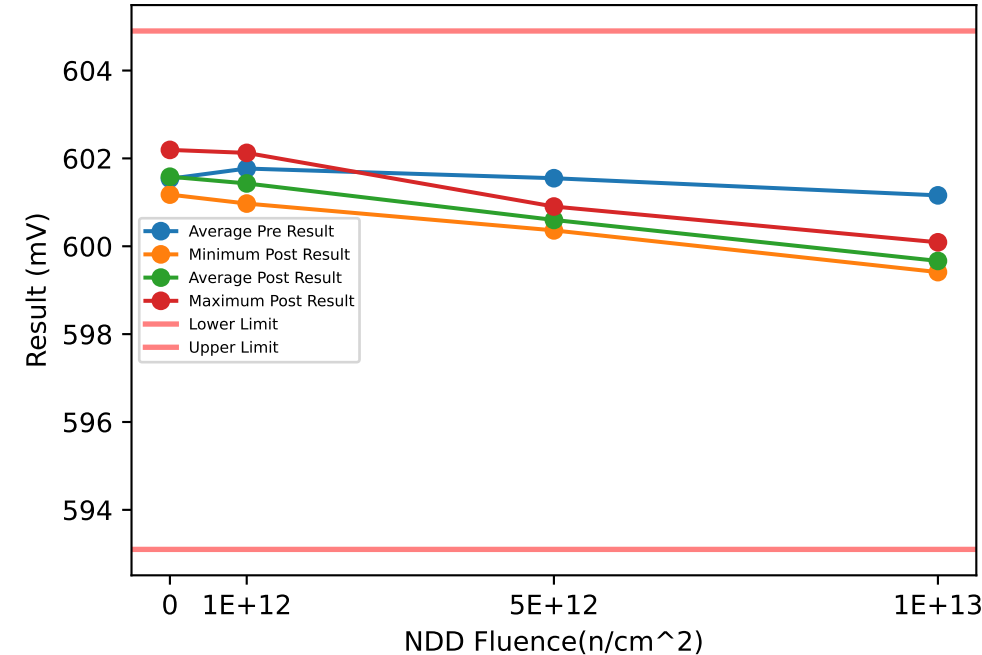


Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.73	599.21	600.02	0.70835	599.28	599.34	599.41	0.06785	-0.6784	0.13573	0.5428	0.70506
1e+12	598.6	599.34	600.16	0.70721	598.6	599.21	600.09	0.68746	-0.3393	-0.13563	0.1358	0.21461
5e+12	598.73	599.34	599.62	0.41082	598.12	598.24	598.39	0.13987	-1.3568	-1.1024	-0.6105	0.33867
1e+13	598.87	598.92	598.94	0.03395	596.7	597.29	597.92	0.50581	-2.2389	-1.6283	-1.0177	0.50162

Device Test: 13.32; VTH_SENSE

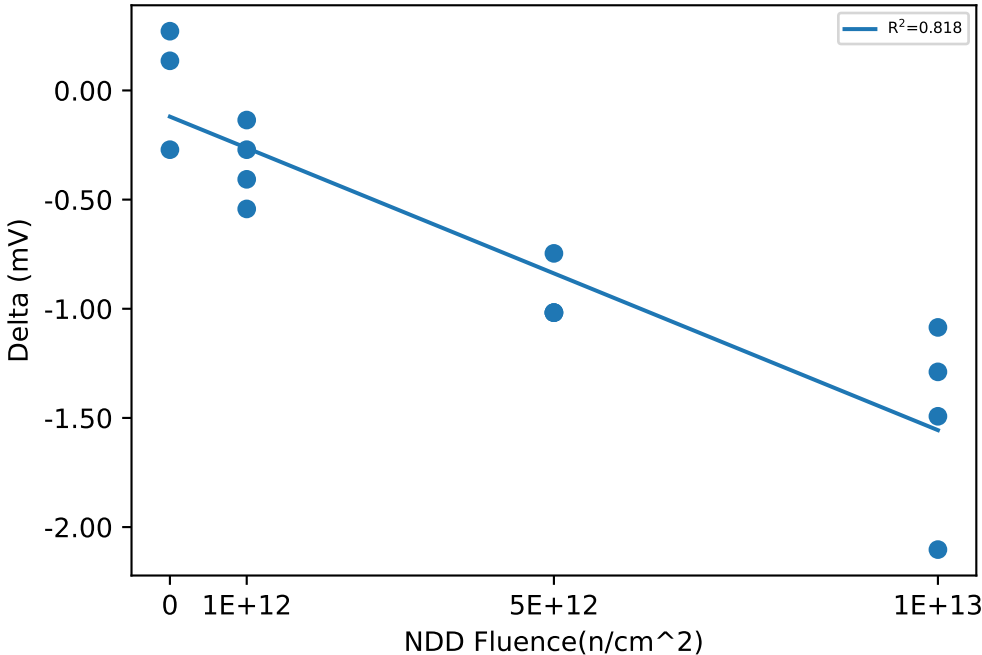
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	601.38	600.97	-0.4071
314	1e+12	NDD Unbiased	601.24	601.11	-0.1356
315	1e+12	NDD Unbiased	602.67	602.13	-0.5427
316	1e+12	NDD Unbiased	601.79	601.51	-0.2713
317	5e+12	NDD Unbiased	601.72	600.7	-1.0176
318	5e+12	NDD Unbiased	601.45	600.43	-1.0176
320	5e+12	NDD Unbiased	601.38	600.36	-1.0177
321	5e+12	NDD Unbiased	601.65	600.9	-0.7463
322	1e+13	NDD Unbiased	601.18	600.09	-1.0854
323	1e+13	NDD Unbiased	601.51	599.41	-2.1031
324	1e+13	NDD Unbiased	600.7	599.41	-1.289
325	1e+13	NDD Unbiased	601.24	599.75	-1.4925
326	0	Correlation	602.06	602.19	0.1358
327	0	Correlation	601.45	601.18	-0.2713
328	0	Correlation	601.11	601.38	0.2714

NDD vs Post - Pre Exposure Delta

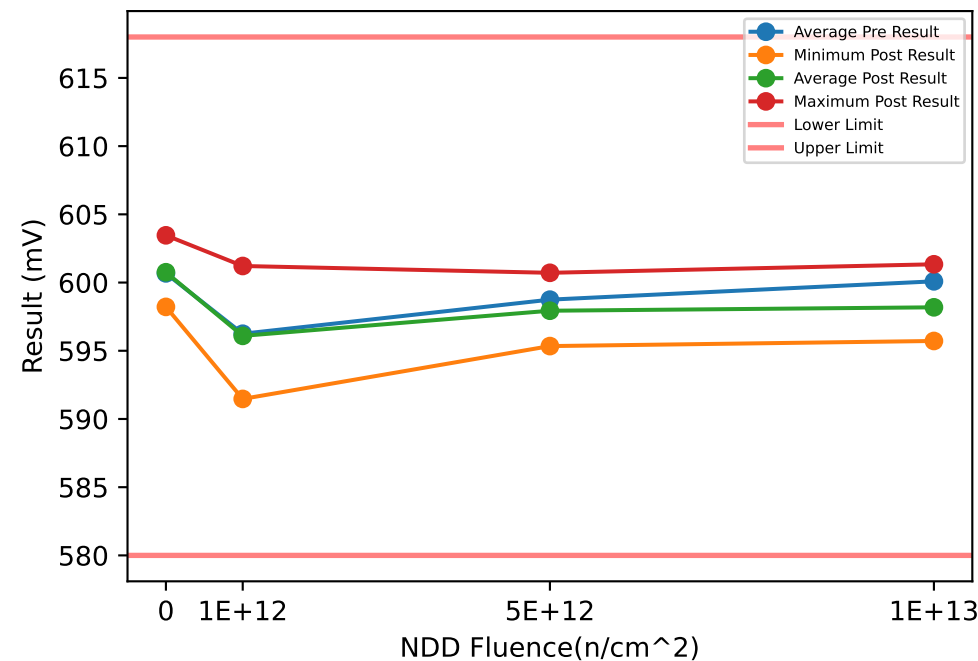


Test Statistics (mV)

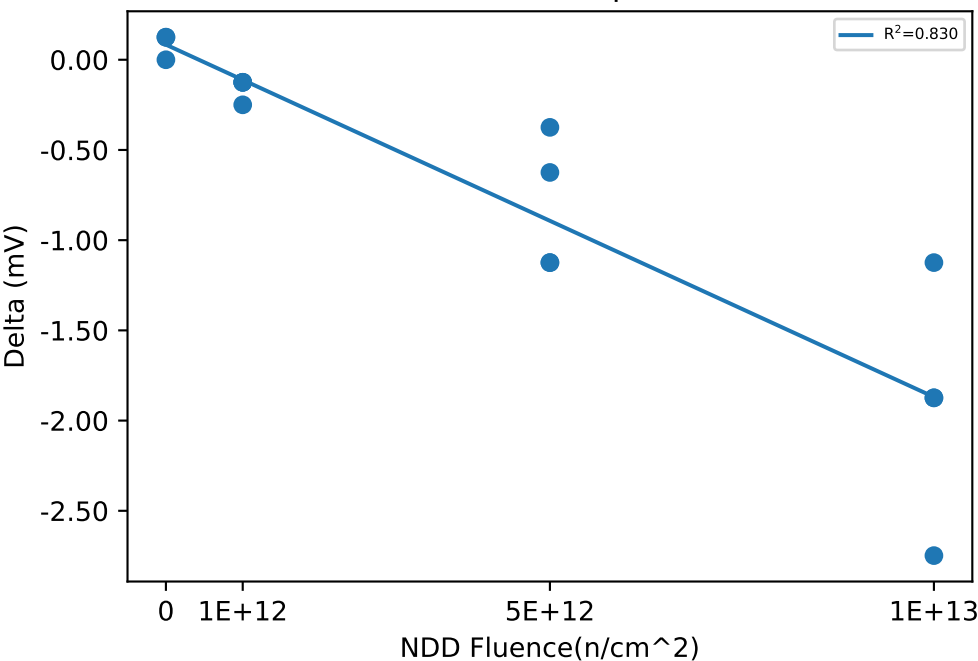
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.11	601.54	602.06	0.48132	601.18	601.58	602.19	0.53852	-0.2713	0.0453	0.2714	0.28244
1e+12	601.24	601.77	602.67	0.64212	600.97	601.43	602.13	0.5178	-0.5427	-0.33918	-0.1356	0.1752
5e+12	601.38	601.55	601.72	0.16151	600.36	600.6	600.9	0.25083	-1.0177	-0.9498	-0.7463	0.13567
1e+13	600.7	601.16	601.51	0.33865	599.41	599.67	600.09	0.32481	-2.1031	-1.4925	-1.0854	0.43969

Device Test: 13.33; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

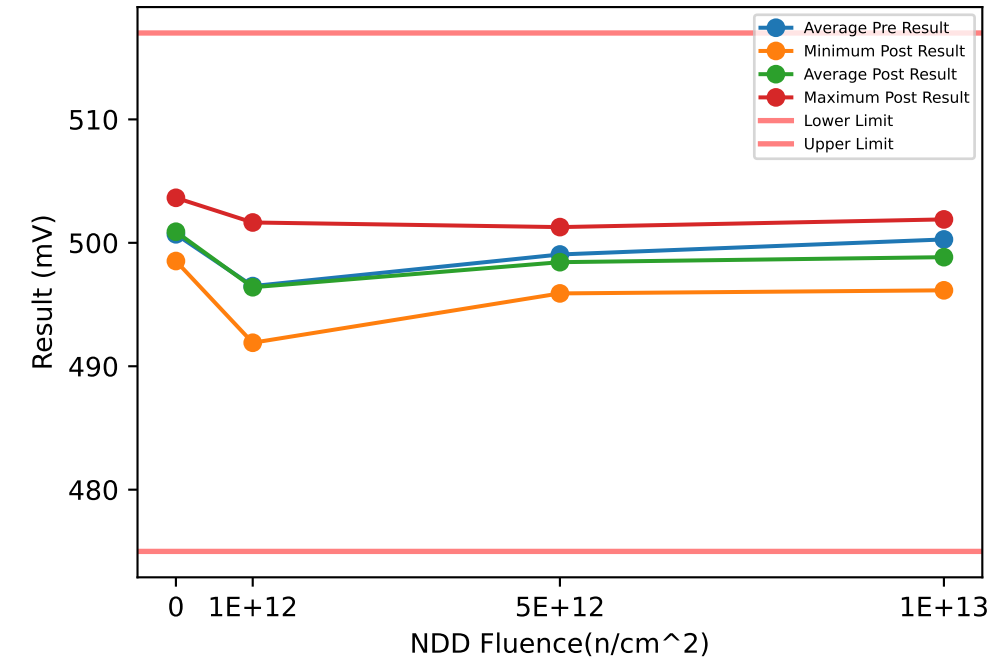
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	597.47	597.34	-0.1249
314	1e+12	NDD Unbiased	601.34	601.21	-0.1249
315	1e+12	NDD Unbiased	591.6	591.47	-0.1249
316	1e+12	NDD Unbiased	594.59	594.34	-0.2498
317	5e+12	NDD Unbiased	601.34	600.71	-0.6246
318	5e+12	NDD Unbiased	596.47	595.34	-1.1243
320	5e+12	NDD Unbiased	600.46	599.34	-1.1243
321	5e+12	NDD Unbiased	596.72	596.34	-0.3747
322	1e+13	NDD Unbiased	597.59	595.72	-1.8739
323	1e+13	NDD Unbiased	598.47	596.59	-1.8739
324	1e+13	NDD Unbiased	601.84	599.09	-2.7483
325	1e+13	NDD Unbiased	602.46	601.34	-1.1243
326	0	Correlation	600.46	600.59	0.125
327	0	Correlation	598.22	598.22	0
328	0	Correlation	603.34	603.46	0.125

Test Statistics (mV)

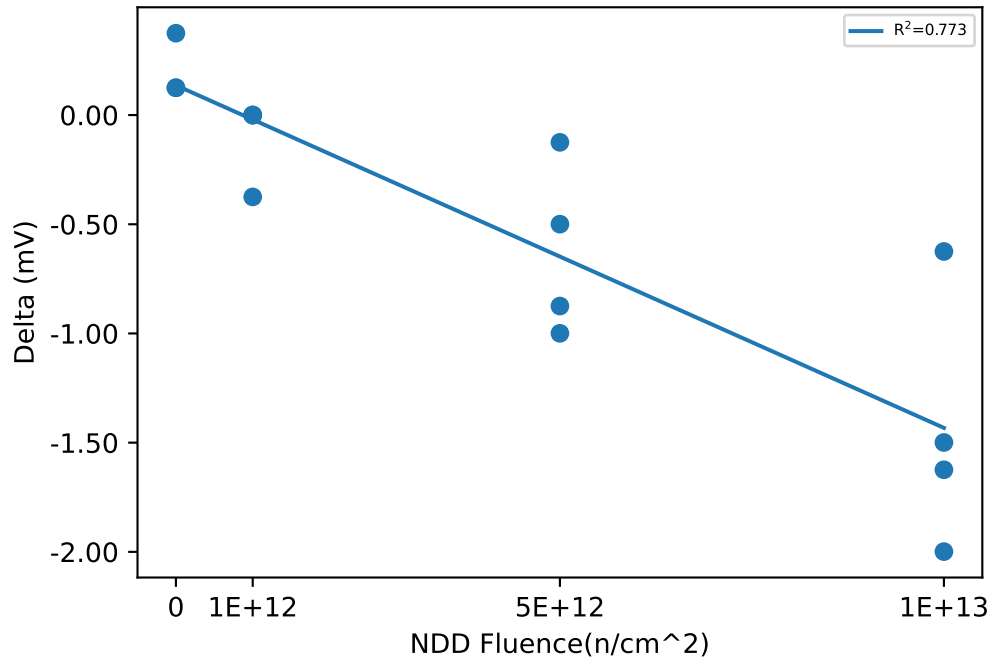
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.22	600.67	603.34	2.5673	598.22	600.76	603.46	2.6274	0	0.083333	0.125	0.072169
1e+12	591.6	596.25	601.34	4.1551	591.47	596.09	601.21	4.1721	-0.2498	-0.15613	-0.1249	0.06245
5e+12	596.47	598.75	601.34	2.5159	595.34	597.94	600.71	2.5138	-1.1243	-0.81197	-0.3747	0.37479
1e+13	597.59	600.09	602.46	2.4202	595.72	598.18	601.34	2.5426	-2.7483	-1.9051	-1.1243	0.66397

Device Test: 13.34; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

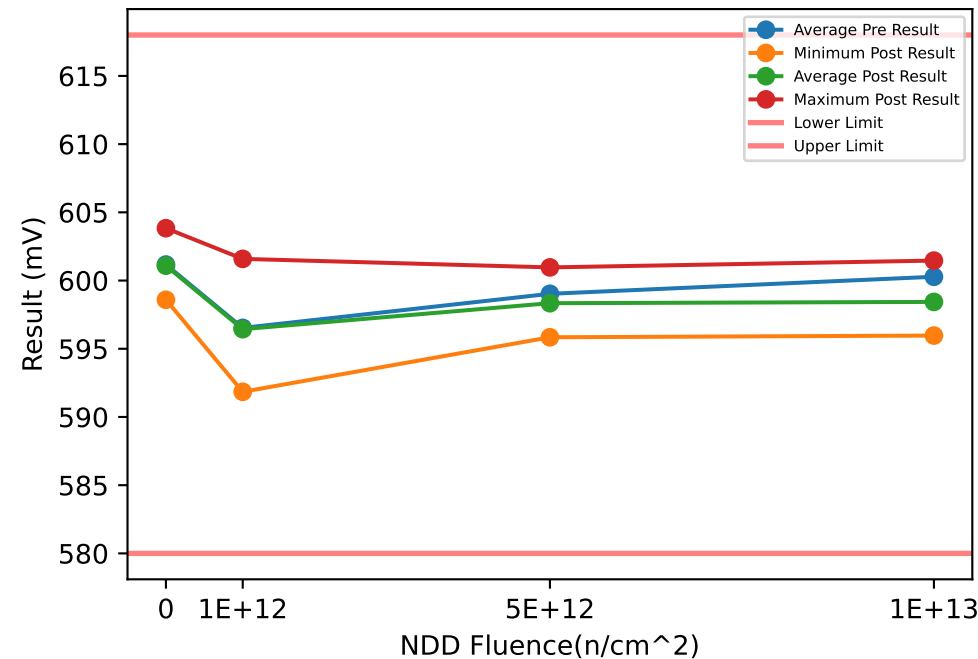
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	497.65	497.28	-0.3748
314	1e+12	NDD Unbiased	501.65	501.65	0
315	1e+12	NDD Unbiased	491.9	491.9	0
316	1e+12	NDD Unbiased	494.78	494.78	0
317	5e+12	NDD Unbiased	501.77	501.27	-0.4996
318	5e+12	NDD Unbiased	496.9	495.9	-0.9994
320	5e+12	NDD Unbiased	500.65	499.77	-0.8745
321	5e+12	NDD Unbiased	496.9	496.78	-0.1249
322	1e+13	NDD Unbiased	497.65	496.15	-1.4992
323	1e+13	NDD Unbiased	499.15	497.53	-1.6241
324	1e+13	NDD Unbiased	501.77	499.77	-1.9988
325	1e+13	NDD Unbiased	502.52	501.9	-0.6246
326	0	Correlation	500.4	500.52	0.125
327	0	Correlation	498.4	498.53	0.125
328	0	Correlation	503.27	503.65	0.3748

Test Statistics (mV)

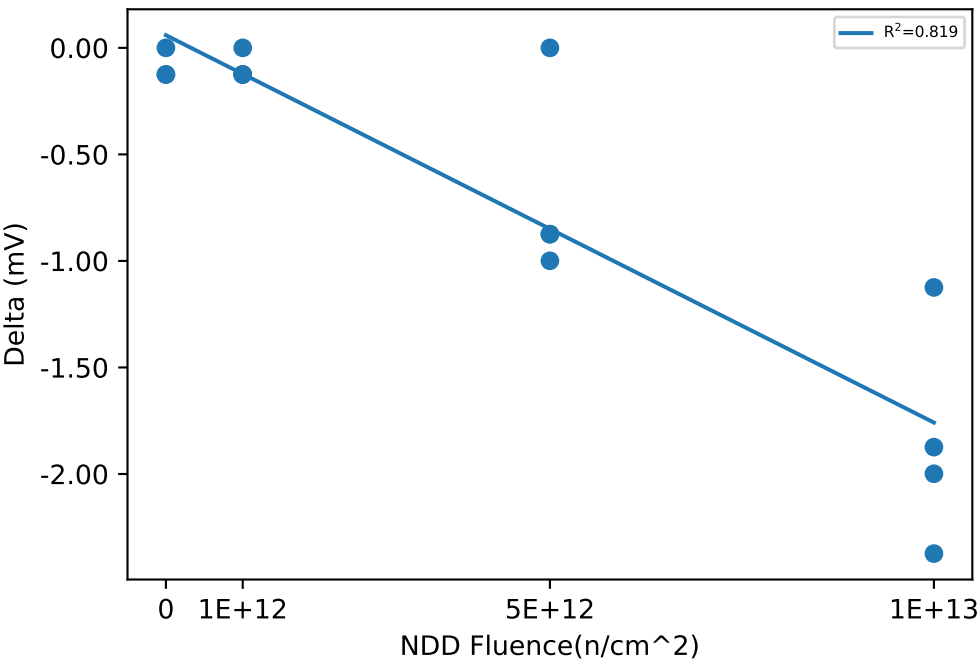
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.4	500.69	503.27	2.4491	498.53	500.9	503.65	2.5814	0.125	0.20827	0.3748	0.14422
1e+12	491.9	496.5	501.65	4.1601	491.9	496.4	501.65	4.1295	-0.3748	-0.0937	0	0.1874
5e+12	496.9	499.06	501.77	2.5303	495.9	498.43	501.27	2.518	-0.9994	-0.6246	-0.1249	0.39507
1e+13	497.65	500.27	502.52	2.2693	496.15	498.84	501.9	2.5285	-1.9988	-1.4367	-0.6246	0.58152

Device Test: 13.36; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

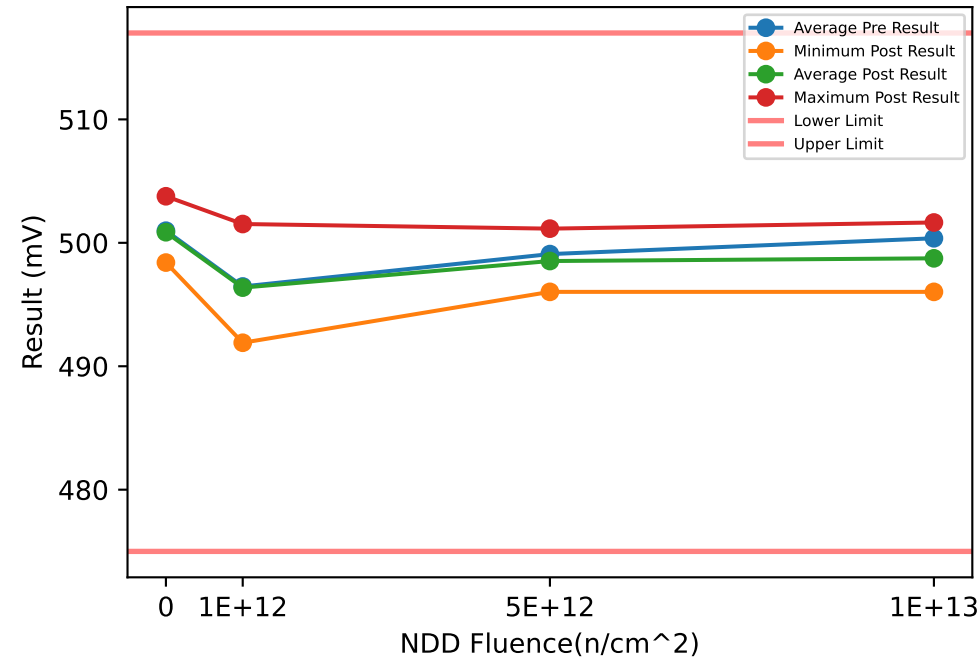
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	597.84	597.72	-0.1249
314	1e+12	NDD Unbiased	601.59	601.59	0
315	1e+12	NDD Unbiased	591.97	591.84	-0.1249
316	1e+12	NDD Unbiased	594.72	594.59	-0.125
317	5e+12	NDD Unbiased	601.84	600.96	-0.8745
318	5e+12	NDD Unbiased	596.72	595.84	-0.8744
320	5e+12	NDD Unbiased	600.71	599.72	-0.9994
321	5e+12	NDD Unbiased	596.84	596.84	0
322	1e+13	NDD Unbiased	597.84	595.97	-1.8739
323	1e+13	NDD Unbiased	598.84	596.84	-1.9988
324	1e+13	NDD Unbiased	601.84	599.47	-2.3736
325	1e+13	NDD Unbiased	602.59	601.46	-1.1243
326	0	Correlation	600.96	600.84	-0.1248
327	0	Correlation	598.72	598.59	-0.1249
328	0	Correlation	603.84	603.84	0

Test Statistics (mV)

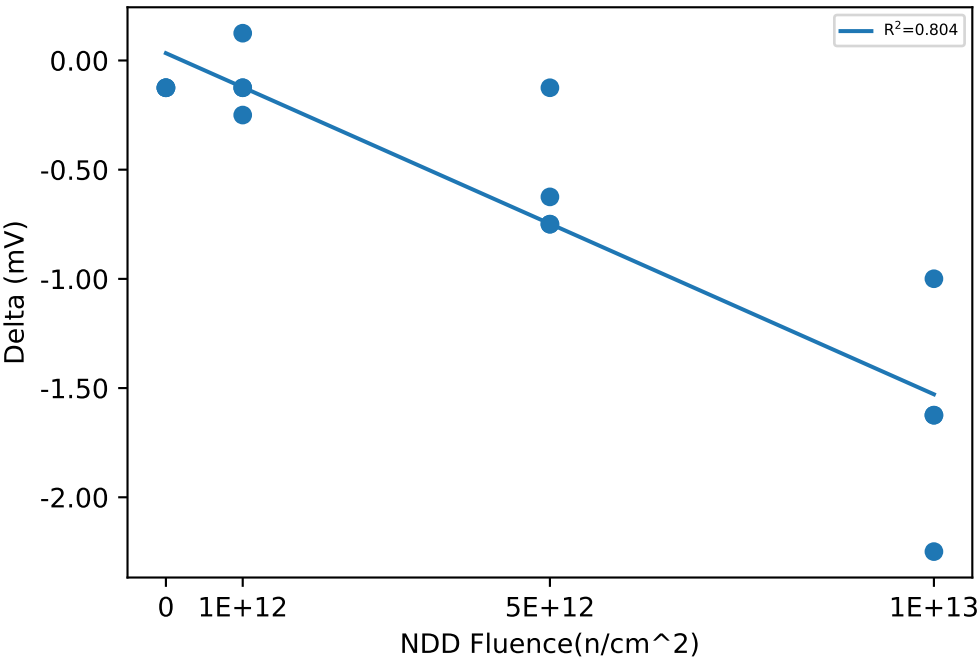
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.72	601.17	603.84	2.5673	598.59	601.09	603.84	2.6323	-0.1249	-0.083233	0	0.072082
1e+12	591.97	596.53	601.59	4.1389	591.84	596.44	601.59	4.19	-0.125	-0.0937	0	0.062467
5e+12	596.72	599.03	601.84	2.6373	595.84	598.34	600.96	2.3986	-0.9994	-0.68708	0	0.46182
1e+13	597.84	600.28	602.59	2.2933	595.97	598.43	601.46	2.5076	-2.3736	-1.8426	-1.1243	0.52386

Device Test: 13.37; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

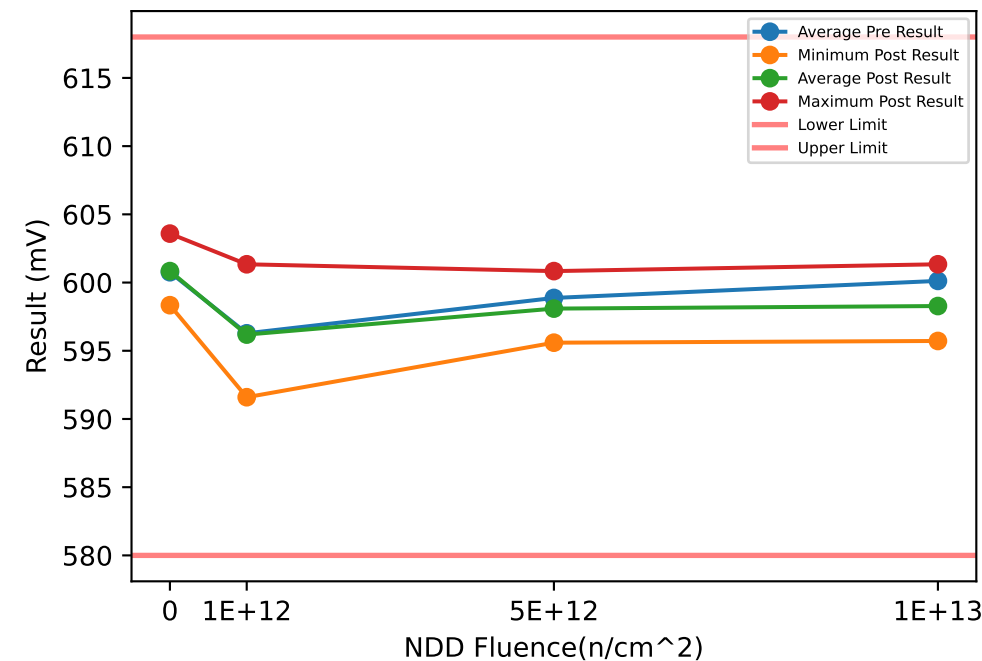
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	497.65	497.4	-0.2499
314	1e+12	NDD Unbiased	501.65	501.52	-0.1249
315	1e+12	NDD Unbiased	491.78	491.9	0.1249
316	1e+12	NDD Unbiased	494.78	494.65	-0.1249
317	5e+12	NDD Unbiased	501.77	501.15	-0.6246
318	5e+12	NDD Unbiased	496.78	496.03	-0.7496
320	5e+12	NDD Unbiased	500.9	500.15	-0.7495
321	5e+12	NDD Unbiased	496.9	496.78	-0.1249
322	1e+13	NDD Unbiased	497.65	496.03	-1.6241
323	1e+13	NDD Unbiased	499.15	497.53	-1.6241
324	1e+13	NDD Unbiased	502.02	499.77	-2.2487
325	1e+13	NDD Unbiased	502.65	501.65	-0.9994
326	0	Correlation	500.52	500.4	-0.125
327	0	Correlation	498.53	498.4	-0.125
328	0	Correlation	503.9	503.77	-0.1249

Test Statistics (mV)

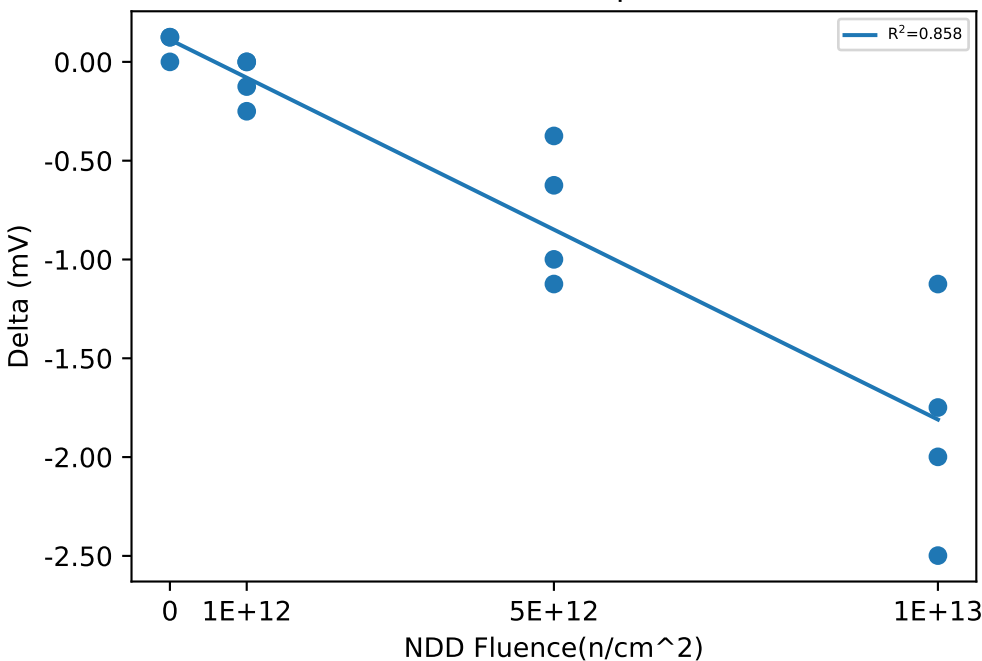
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.53	500.98	503.9	2.715	498.4	500.86	503.77	2.715	-0.125	-0.12497	-0.1249	5.7735e-05
1e+12	491.78	496.46	501.65	4.2062	491.9	496.37	501.52	4.1034	-0.2499	-0.0937	0.1249	0.1572
5e+12	496.78	499.09	501.77	2.6214	496.03	498.53	501.15	2.5048	-0.7496	-0.56215	-0.1249	0.29739
1e+13	497.65	500.37	502.65	2.3667	496.03	498.74	501.65	2.4742	-2.2487	-1.6241	-0.9994	0.51002

Device Test: 13.39; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

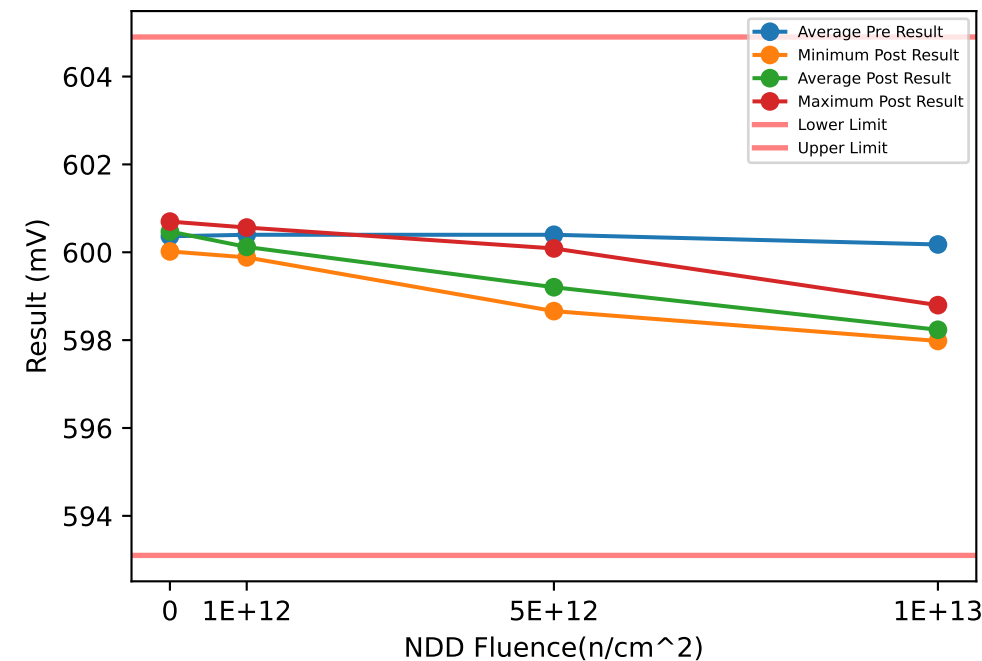
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	597.59	597.34	-0.2499
314	1e+12	NDD Unbiased	601.46	601.34	-0.125
315	1e+12	NDD Unbiased	591.6	591.6	0
316	1e+12	NDD Unbiased	594.47	594.47	0
317	5e+12	NDD Unbiased	601.46	600.84	-0.6246
318	5e+12	NDD Unbiased	596.72	595.59	-1.1242
320	5e+12	NDD Unbiased	600.46	599.47	-0.9994
321	5e+12	NDD Unbiased	596.84	596.47	-0.3748
322	1e+13	NDD Unbiased	597.72	595.72	-1.9988
323	1e+13	NDD Unbiased	598.47	596.72	-1.7491
324	1e+13	NDD Unbiased	601.84	599.34	-2.4985
325	1e+13	NDD Unbiased	602.46	601.34	-1.1243
326	0	Correlation	600.59	600.59	0
327	0	Correlation	598.22	598.34	0.1249
328	0	Correlation	603.46	603.59	0.1249

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.22	600.76	603.46	2.6274	598.34	600.84	603.59	2.6324	0	0.083267	0.1249	0.072111
1e+12	591.6	596.28	601.46	4.2359	591.6	596.19	601.34	4.1601	-0.2499	-0.093725	0	0.11963
5e+12	596.72	598.87	601.46	2.451	595.59	598.09	600.84	2.4713	-1.1242	-0.78075	-0.3748	0.34397
1e+13	597.72	600.12	602.46	2.3776	595.72	598.28	601.34	2.549	-2.4985	-1.8427	-1.1243	0.57134

Device Test: 13.4; VTH_SENSE

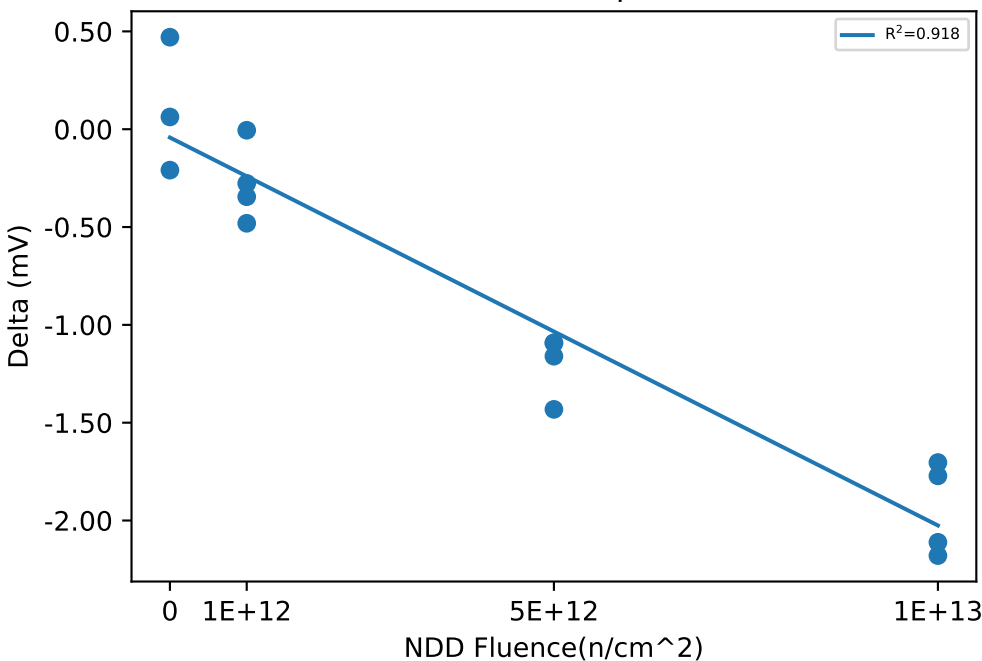
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.36	599.88	-0.4808
314	1e+12	NDD Unbiased	600.23	599.88	-0.345
315	1e+12	NDD Unbiased	600.16	600.16	-0.0053
316	1e+12	NDD Unbiased	600.84	600.56	-0.277
317	5e+12	NDD Unbiased	599.89	598.73	-1.1602
318	5e+12	NDD Unbiased	600.43	599.34	-1.0923
320	5e+12	NDD Unbiased	600.09	598.66	-1.4319
321	5e+12	NDD Unbiased	601.18	600.09	-1.0923
322	1e+13	NDD Unbiased	600.5	598.8	-1.7037
323	1e+13	NDD Unbiased	600.23	598.05	-2.1793
324	1e+13	NDD Unbiased	600.09	597.98	-2.1113
325	1e+13	NDD Unbiased	599.89	598.12	-1.7717
326	0	Correlation	600.64	600.7	0.0626
327	0	Correlation	600.91	600.7	-0.2091
328	0	Correlation	599.55	600.02	0.4703

NDD vs Post - Pre Exposure Delta

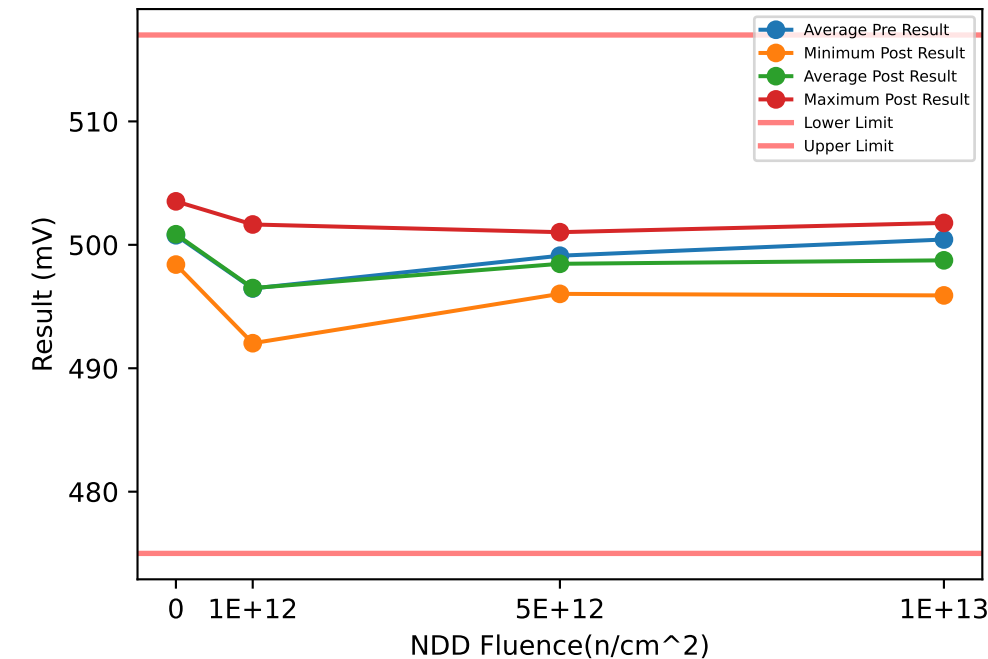


Test Statistics (mV)

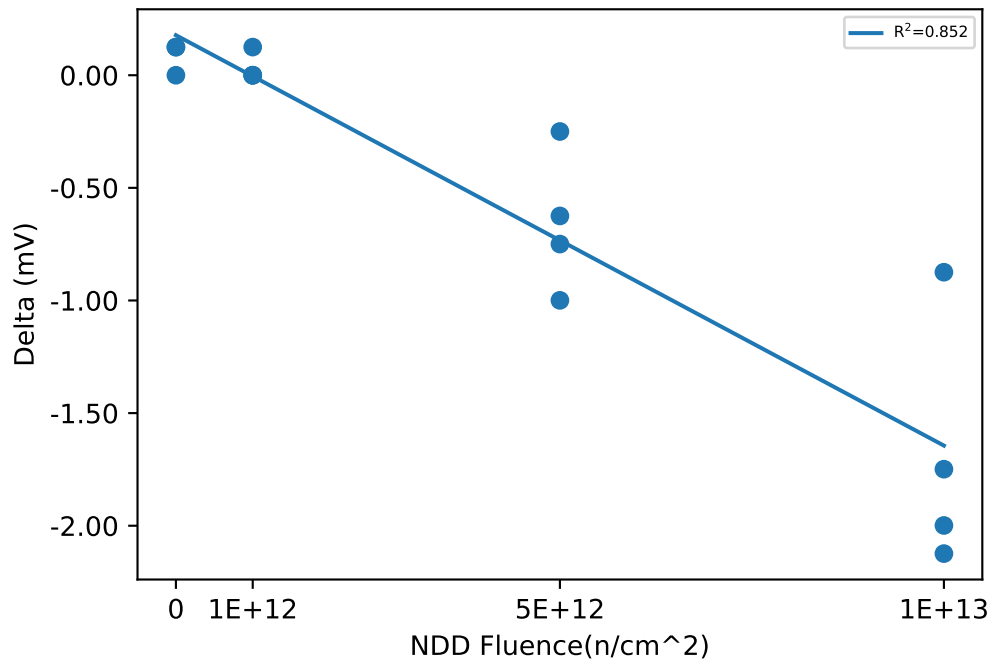
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.55	600.36	600.91	0.71896	600.02	600.47	600.7	0.39219	-0.2091	0.10793	0.4703	0.34196
1e+12	600.16	600.4	600.84	0.30632	599.88	600.12	600.56	0.32107	-0.4808	-0.27703	-0.0053	0.19998
5e+12	599.89	600.4	601.18	0.56705	598.66	599.2	600.09	0.6633	-1.4319	-1.1942	-1.0923	0.16168
1e+13	599.89	600.18	600.5	0.25644	597.98	598.24	598.8	0.37774	-2.1793	-1.9415	-1.7037	0.23858

Device Test: 13.40; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

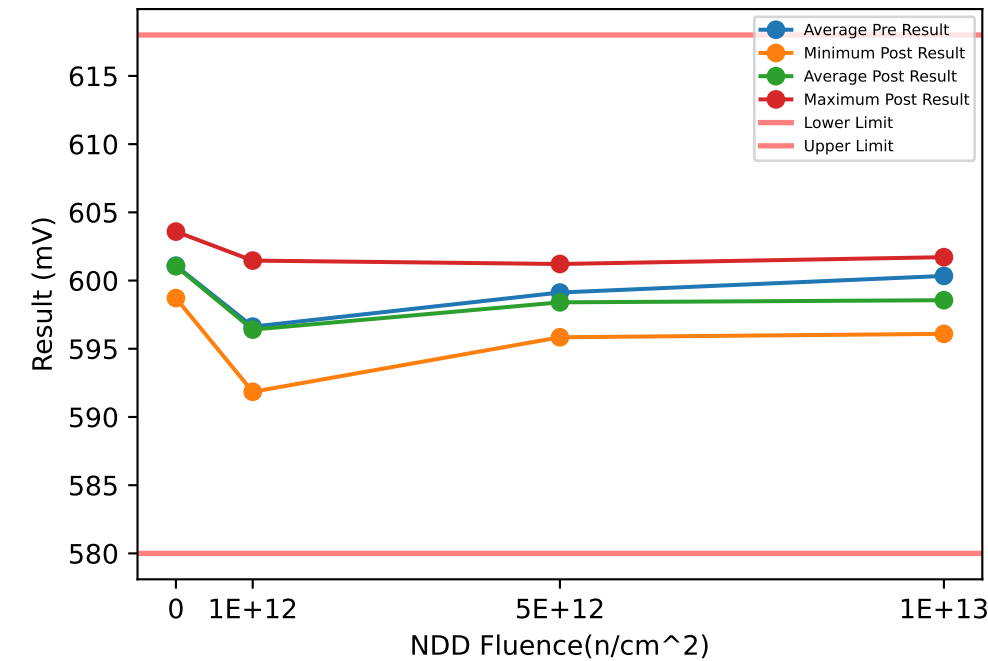
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	497.53	497.53	0
314	1e+12	NDD Unbiased	501.65	501.65	0
315	1e+12	NDD Unbiased	491.9	492.03	0.1249
316	1e+12	NDD Unbiased	494.78	494.78	0
317	5e+12	NDD Unbiased	501.77	501.02	-0.7496
318	5e+12	NDD Unbiased	497.03	496.03	-0.9994
320	5e+12	NDD Unbiased	500.65	500.02	-0.6247
321	5e+12	NDD Unbiased	497.03	496.78	-0.2498
322	1e+13	NDD Unbiased	497.9	495.9	-1.9988
323	1e+13	NDD Unbiased	499.27	497.53	-1.749
324	1e+13	NDD Unbiased	501.9	499.77	-2.1237
325	1e+13	NDD Unbiased	502.65	501.77	-0.8745
326	0	Correlation	500.52	500.65	0.1249
327	0	Correlation	498.4	498.4	0
328	0	Correlation	503.4	503.52	0.1249

Test Statistics (mV)

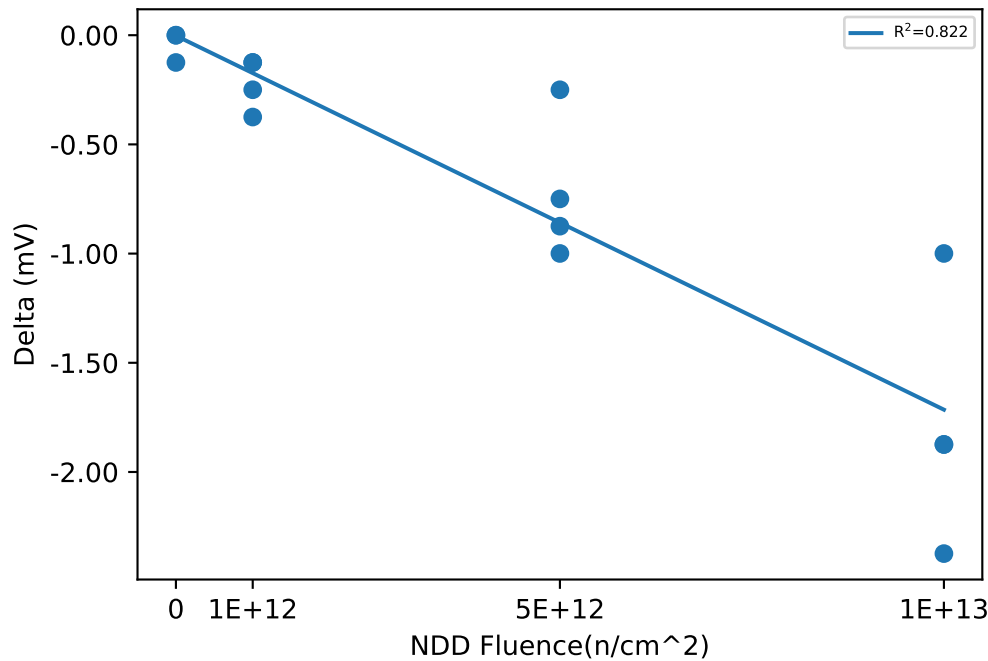
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.4	500.77	503.4	2.5079	498.4	500.86	503.52	2.5673	0	0.083267	0.1249	0.072111
1e+12	491.9	496.46	501.65	4.149	492.03	496.5	501.65	4.1034	0	0.031225	0.1249	0.06245
5e+12	497.03	499.12	501.77	2.4594	496.03	498.46	501.02	2.4342	-0.9994	-0.65587	-0.2498	0.31234
1e+13	497.9	500.43	502.65	2.2216	495.9	498.74	501.77	2.5691	-2.1237	-1.6865	-0.8745	0.5633

Device Test: 13.42; VTH_SR_UVLO_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

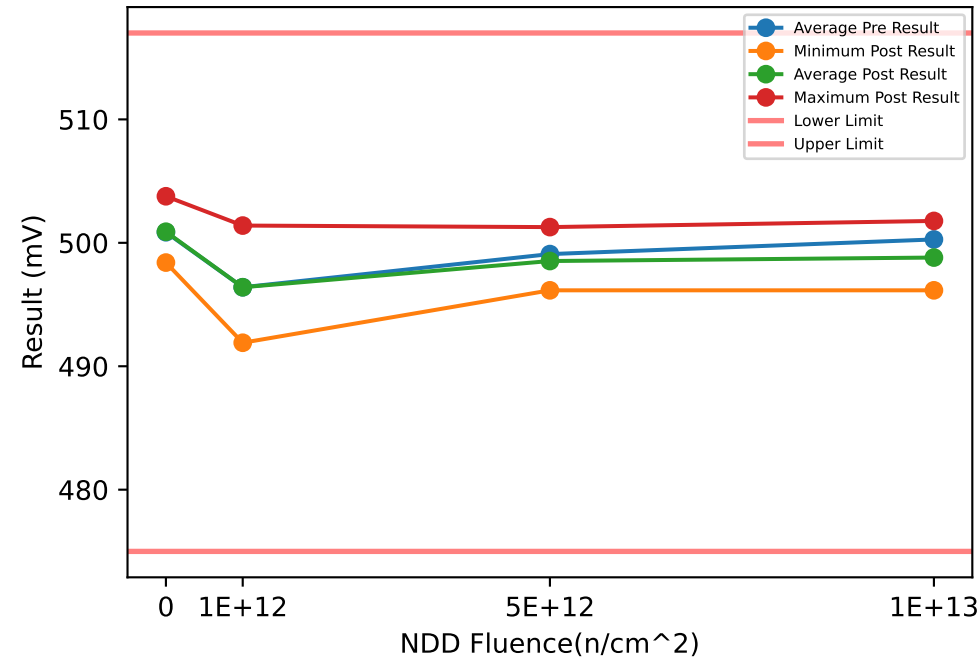
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	597.72	597.59	-0.1249
314	1e+12	NDD Unbiased	601.84	601.46	-0.3747
315	1e+12	NDD Unbiased	592.09	591.84	-0.2498
316	1e+12	NDD Unbiased	594.84	594.72	-0.1249
317	5e+12	NDD Unbiased	601.96	601.21	-0.7496
318	5e+12	NDD Unbiased	596.84	595.84	-0.9994
320	5e+12	NDD Unbiased	600.59	599.72	-0.8745
321	5e+12	NDD Unbiased	597.09	596.84	-0.2499
322	1e+13	NDD Unbiased	597.97	596.09	-1.874
323	1e+13	NDD Unbiased	598.72	596.84	-1.8739
324	1e+13	NDD Unbiased	601.96	599.59	-2.3737
325	1e+13	NDD Unbiased	602.71	601.71	-0.9994
326	0	Correlation	600.84	600.84	0
327	0	Correlation	598.72	598.72	0
328	0	Correlation	603.71	603.59	-0.1249

Test Statistics (mV)

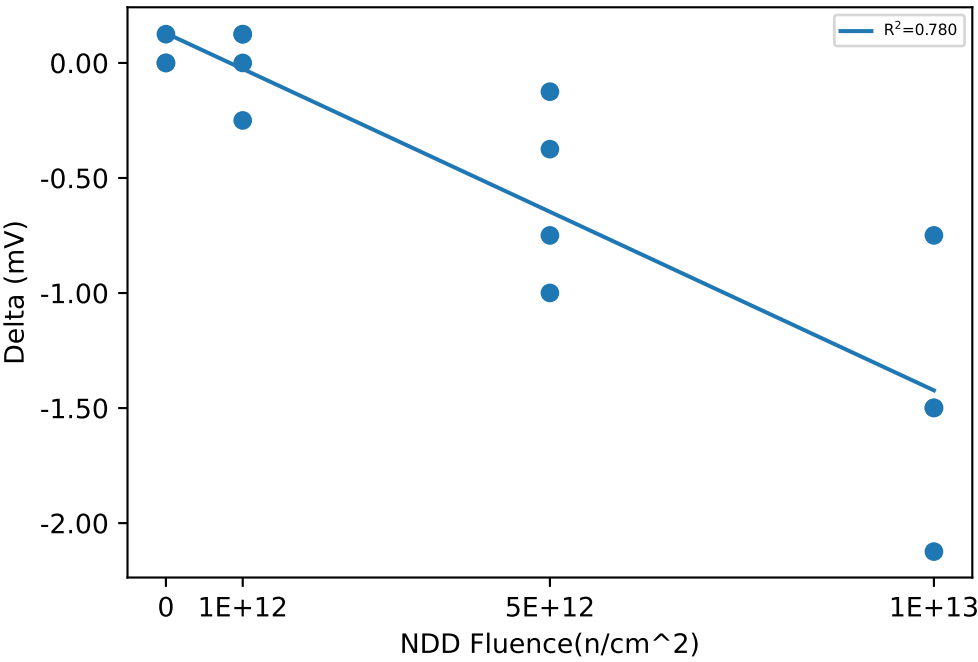
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.72	601.09	603.71	2.5078	598.72	601.05	603.59	2.4427	-0.1249	-0.041633	0	0.072111
1e+12	592.09	596.62	601.84	4.1663	591.84	596.4	601.46	4.1087	-0.3747	-0.21857	-0.1249	0.11958
5e+12	596.84	599.12	601.96	2.5528	595.84	598.4	601.21	2.4912	-0.9994	-0.71835	-0.2499	0.32853
1e+13	597.97	600.34	602.71	2.3482	596.09	598.56	601.71	2.5852	-2.3737	-1.7802	-0.9994	0.57139

Device Test: 13.43; VTH_SR_UVLO_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

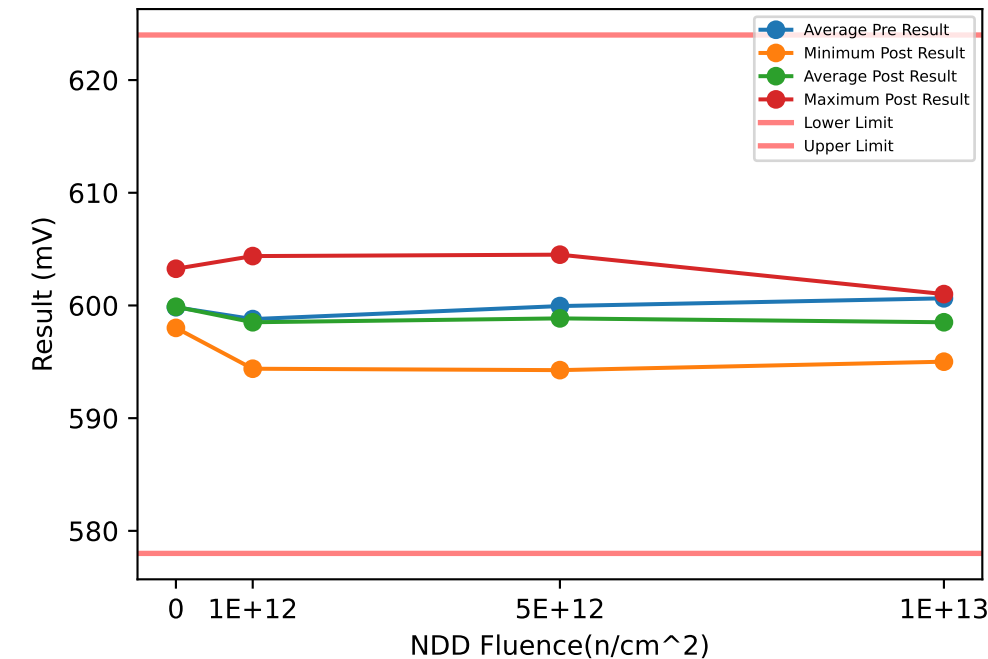
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	497.4	497.53	0.1249
314	1e+12	NDD Unbiased	501.65	501.4	-0.2499
315	1e+12	NDD Unbiased	491.9	491.9	0
316	1e+12	NDD Unbiased	494.65	494.78	0.1249
317	5e+12	NDD Unbiased	501.65	501.27	-0.3747
318	5e+12	NDD Unbiased	497.15	496.15	-0.9995
320	5e+12	NDD Unbiased	500.65	499.9	-0.7496
321	5e+12	NDD Unbiased	496.9	496.78	-0.1249
322	1e+13	NDD Unbiased	497.65	496.15	-1.4992
323	1e+13	NDD Unbiased	499.03	497.53	-1.4992
324	1e+13	NDD Unbiased	501.9	499.77	-2.1237
325	1e+13	NDD Unbiased	502.52	501.77	-0.7495
326	0	Correlation	500.4	500.52	0.125
327	0	Correlation	498.4	498.4	0
328	0	Correlation	503.77	503.77	0

Test Statistics (mV)

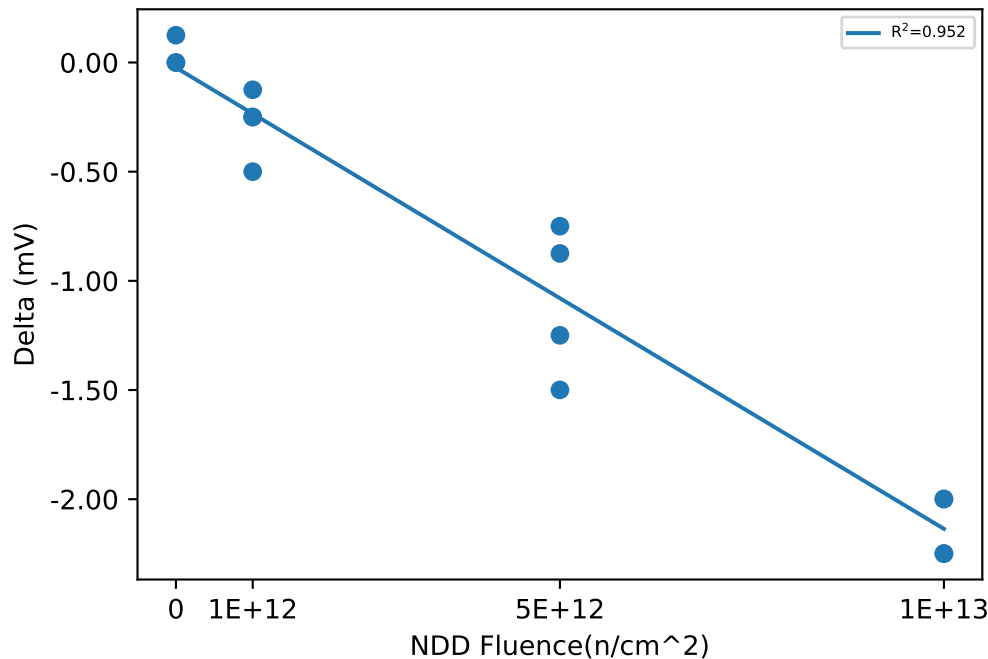
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.4	500.86	503.77	2.715	498.4	500.9	503.77	2.7054	0	0.041667	0.125	0.072169
1e+12	491.9	496.4	501.65	4.1558	491.9	496.4	501.4	4.0455	-0.2499	-2.5e-05	0.1249	0.17668
5e+12	496.9	499.09	501.65	2.417	496.15	498.53	501.27	2.4587	-0.9995	-0.56217	-0.1249	0.38847
1e+13	497.65	500.27	502.52	2.3192	496.15	498.81	501.77	2.4784	-2.1237	-1.4679	-0.7495	0.56218

Device Test: 13.45; VTH_WDI_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

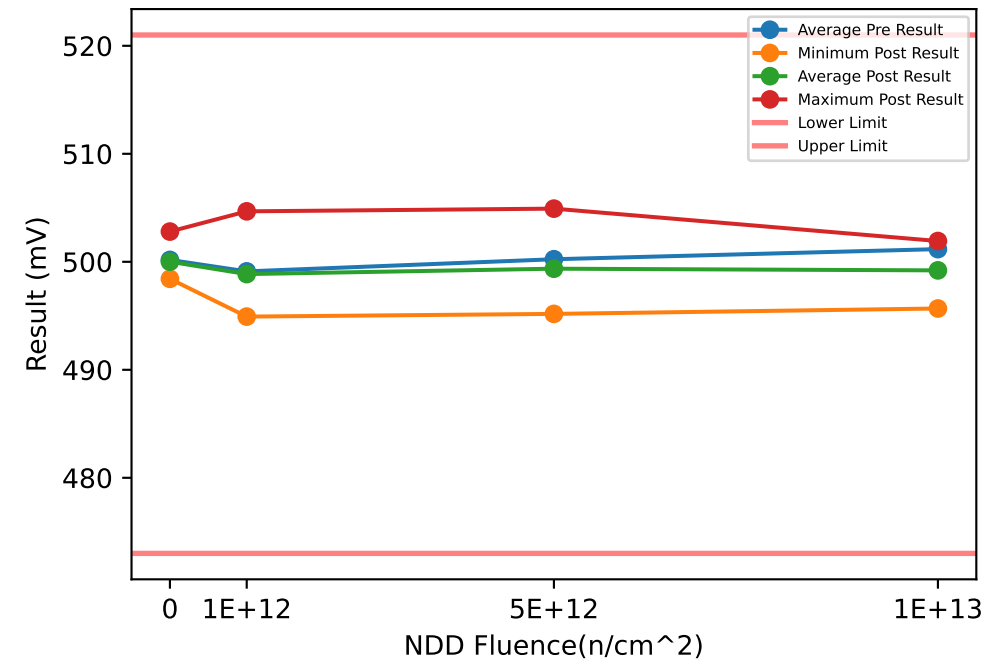
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.13	599.63	-0.4999
314	1e+12	NDD Unbiased	595.89	595.64	-0.2498
315	1e+12	NDD Unbiased	604.63	604.38	-0.2498
316	1e+12	NDD Unbiased	594.51	594.39	-0.1249
317	5e+12	NDD Unbiased	598.01	597.26	-0.7497
318	5e+12	NDD Unbiased	605.38	604.51	-0.8746
320	5e+12	NDD Unbiased	595.76	594.26	-1.4994
321	5e+12	NDD Unbiased	600.63	599.38	-1.2495
322	1e+13	NDD Unbiased	603.01	600.76	-2.2491
323	1e+13	NDD Unbiased	599.26	597.26	-1.9992
324	1e+13	NDD Unbiased	597.26	595.01	-2.2491
325	1e+13	NDD Unbiased	603.01	601.01	-1.9992
326	0	Correlation	598.38	598.38	0
327	0	Correlation	603.13	603.26	0.125
328	0	Correlation	598.01	598.01	0

Test Statistics (mV)

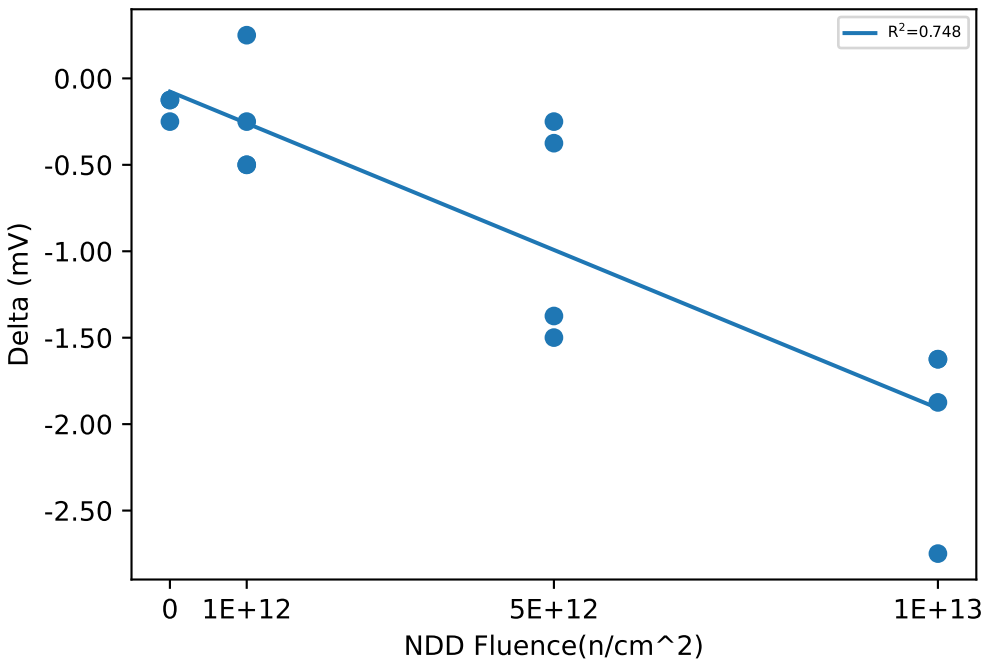
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.01	599.84	603.13	2.8557	598.01	599.88	603.26	2.9277	0	0.041667	0.125	0.072169
1e+12	594.51	598.79	604.63	4.571	594.39	598.51	604.38	4.5098	-0.4999	-0.2811	-0.1249	0.1573
5e+12	595.76	599.95	605.38	4.1347	594.26	598.85	604.51	4.3156	-1.4994	-1.0933	-0.7497	0.3441
1e+13	597.26	600.63	603.01	2.8602	595.01	598.51	601.01	2.8928	-2.2491	-2.1241	-1.9992	0.14428

Device Test: 13.46; VTH_WDI_FALL

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

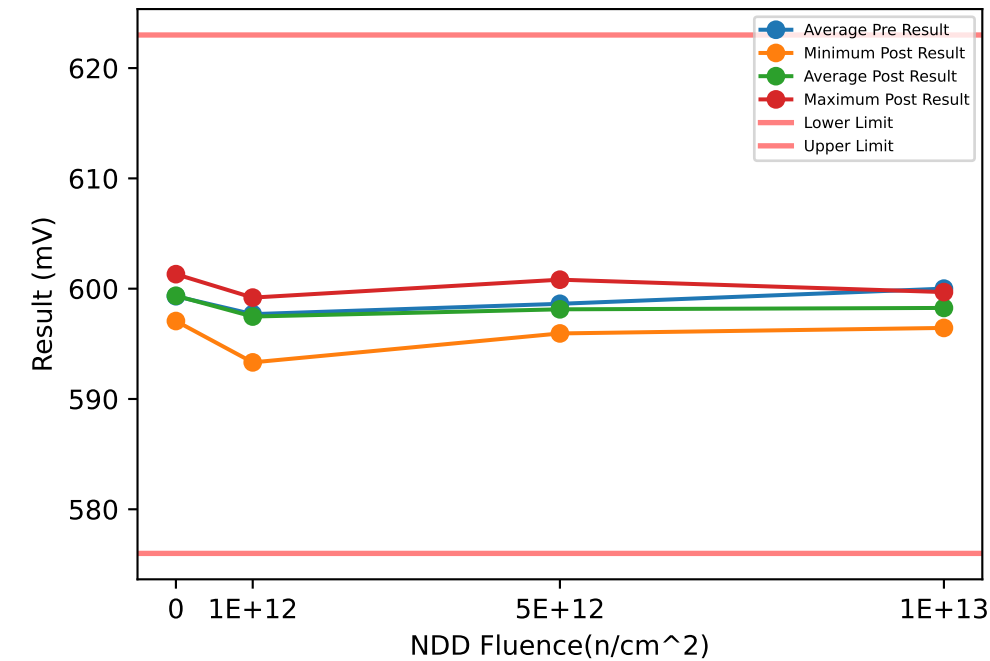
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	500.3	500.05	-0.2499
314	1e+12	NDD Unbiased	496.3	495.8	-0.4998
315	1e+12	NDD Unbiased	505.17	504.67	-0.4999
316	1e+12	NDD Unbiased	494.68	494.93	0.2499
317	5e+12	NDD Unbiased	498.05	497.8	-0.2499
318	5e+12	NDD Unbiased	505.3	504.92	-0.3748
320	5e+12	NDD Unbiased	496.55	495.18	-1.3745
321	5e+12	NDD Unbiased	501.05	499.55	-1.4994
322	1e+13	NDD Unbiased	503.55	500.8	-2.7489
323	1e+13	NDD Unbiased	500.05	498.42	-1.6244
324	1e+13	NDD Unbiased	497.55	495.68	-1.8743
325	1e+13	NDD Unbiased	503.55	501.92	-1.6243
326	0	Correlation	498.92	498.8	-0.125
327	0	Correlation	502.92	502.8	-0.1249
328	0	Correlation	498.67	498.42	-0.2499

Test Statistics (mV)

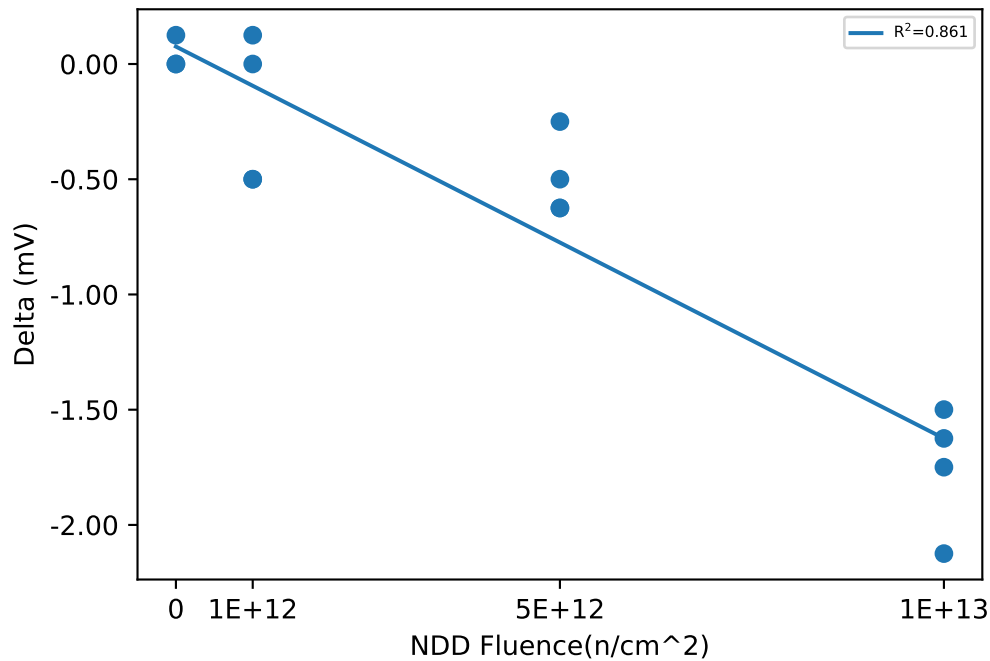
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	498.67	500.17	502.92	2.3839	498.42	500.01	502.8	2.424	-0.2499	-0.1666	-0.1249	0.07214
1e+12	494.68	499.11	505.17	4.6802	494.93	498.86	504.67	4.4732	-0.4999	-0.24993	0.2499	0.35344
5e+12	496.55	500.24	505.3	3.8573	495.18	499.36	504.92	4.1196	-1.4994	-0.87465	-0.2499	0.65328
1e+13	497.55	501.17	503.55	2.925	495.68	499.21	501.92	2.7685	-2.7489	-1.968	-1.6243	0.53378

Device Test: 13.48; VTH_MODE_RISE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

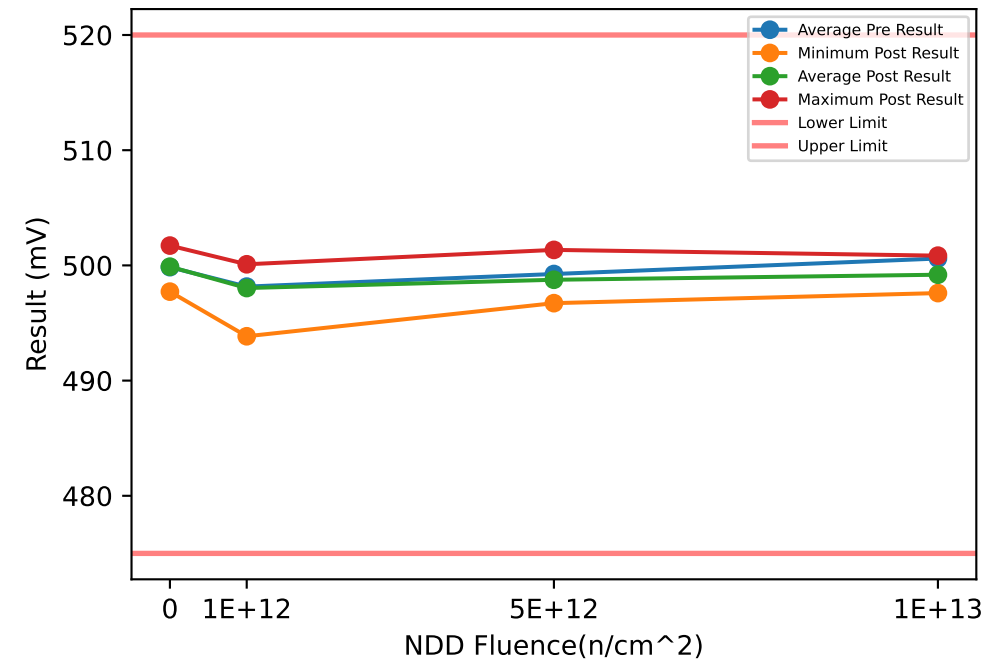
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.07	598.19	0.125
314	1e+12	NDD Unbiased	599.69	599.19	-0.4999
315	1e+12	NDD Unbiased	593.32	593.32	0
316	1e+12	NDD Unbiased	599.69	599.19	-0.4999
317	5e+12	NDD Unbiased	601.32	600.82	-0.4998
318	5e+12	NDD Unbiased	596.57	595.94	-0.6248
320	5e+12	NDD Unbiased	599.19	598.57	-0.6247
321	5e+12	NDD Unbiased	597.44	597.19	-0.2498
322	1e+13	NDD Unbiased	599.19	597.69	-1.4995
323	1e+13	NDD Unbiased	598.57	596.44	-2.1244
324	1e+13	NDD Unbiased	600.82	599.19	-1.6246
325	1e+13	NDD Unbiased	601.44	599.69	-1.7495
326	0	Correlation	599.69	599.69	0
327	0	Correlation	601.19	601.32	0.125
328	0	Correlation	597.07	597.07	0

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.07	599.32	601.19	2.0873	597.07	599.36	601.32	2.1439	0	0.041667	0.125	0.072169
1e+12	593.32	597.69	599.69	3.0147	593.32	597.47	599.19	2.8098	-0.4999	-0.2187	0.125	0.32869
5e+12	596.57	598.63	601.32	2.0973	595.94	598.13	600.82	2.0873	-0.6248	-0.49978	-0.2498	0.17675
1e+13	598.57	600	601.44	1.3478	596.44	598.25	599.69	1.4768	-2.1244	-1.7495	-1.4995	0.26997

Device Test: 13.49; VTH_MODE_FALL

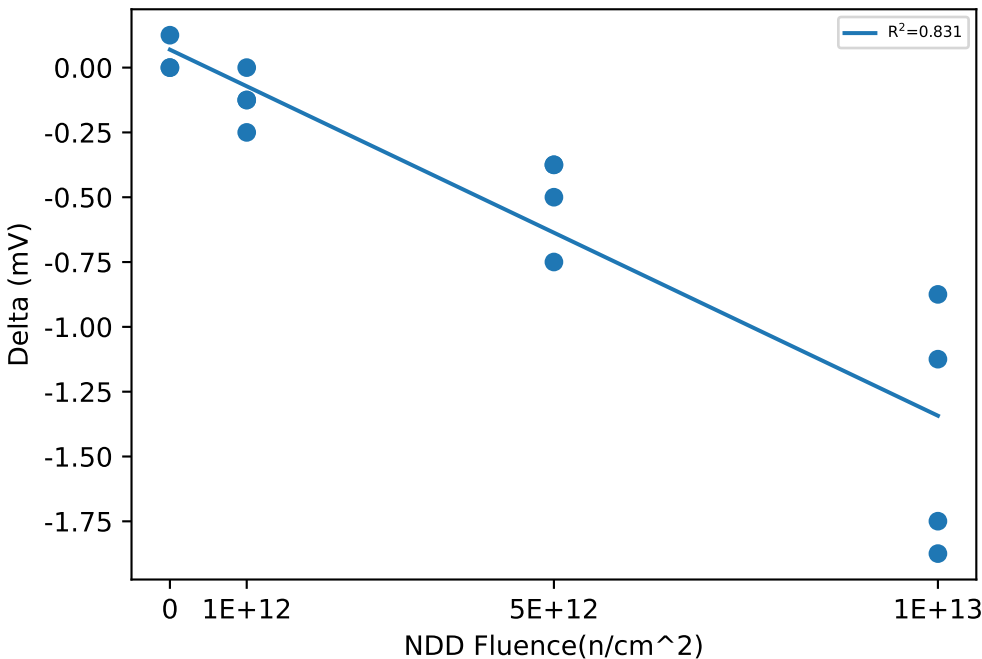
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	498.47	498.35	-0.125
314	1e+12	NDD Unbiased	500.1	499.85	-0.2499
315	1e+12	NDD Unbiased	493.97	493.85	-0.125
316	1e+12	NDD Unbiased	500.1	500.1	0
317	5e+12	NDD Unbiased	501.85	501.35	-0.4999
318	5e+12	NDD Unbiased	497.1	496.72	-0.3749
320	5e+12	NDD Unbiased	500.1	499.35	-0.7498
321	5e+12	NDD Unbiased	497.97	497.6	-0.375
322	1e+13	NDD Unbiased	499.6	498.47	-1.1246
323	1e+13	NDD Unbiased	499.47	497.6	-1.8745
324	1e+13	NDD Unbiased	501.6	499.85	-1.7495
325	1e+13	NDD Unbiased	501.72	500.85	-0.8747
326	0	Correlation	500.22	500.22	0
327	0	Correlation	501.72	501.72	0
328	0	Correlation	497.6	497.72	0.125

NDD vs Post - Pre Exposure Delta

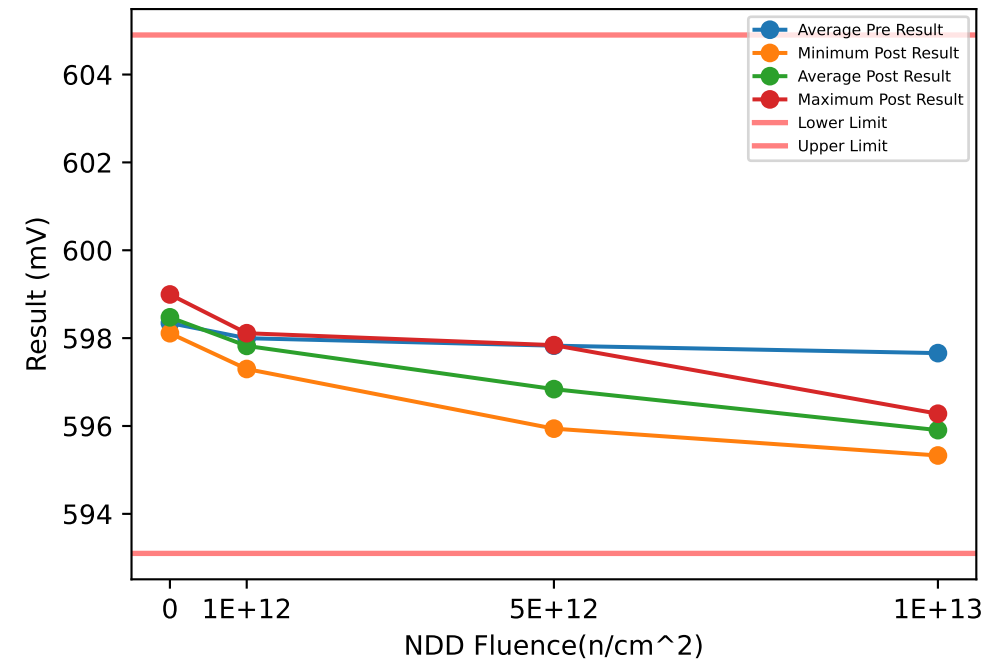


Test Statistics (mV)

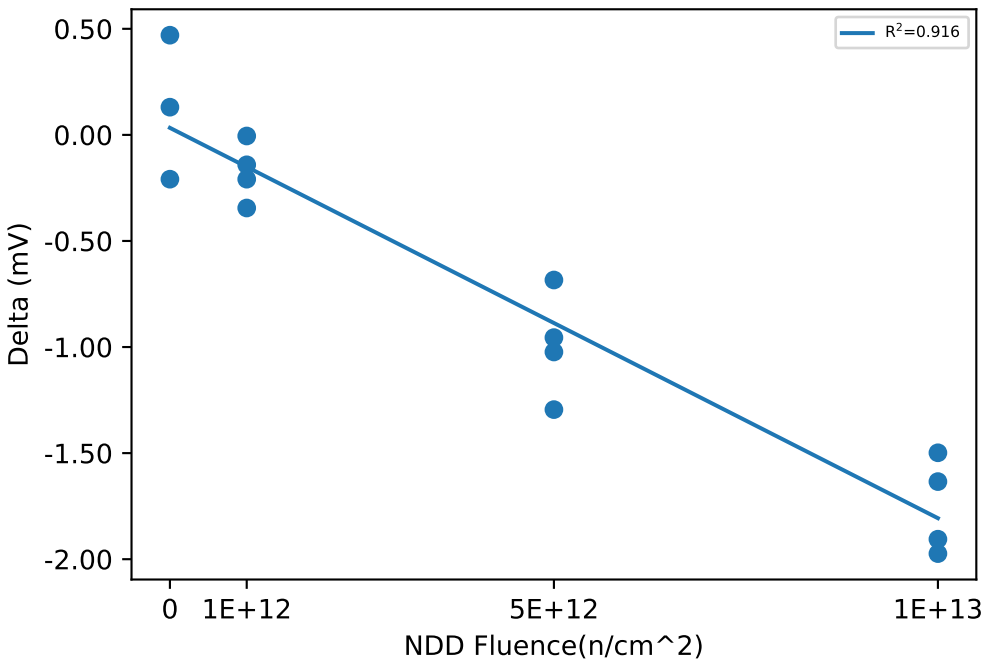
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	497.6	499.85	501.72	2.0873	497.72	499.89	501.72	2.0201	0	0.041667	0.125	0.072169
1e+12	493.97	498.16	500.1	2.894	493.85	498.03	500.1	2.8958	-0.2499	-0.12498	0	0.10202
5e+12	497.1	499.25	501.85	2.1387	496.72	498.75	501.35	2.0441	-0.7498	-0.4999	-0.3749	0.17671
1e+13	499.47	500.6	501.72	1.2286	497.6	499.19	500.85	1.4407	-1.8745	-1.4058	-0.8747	0.48268

Device Test: 13.5; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

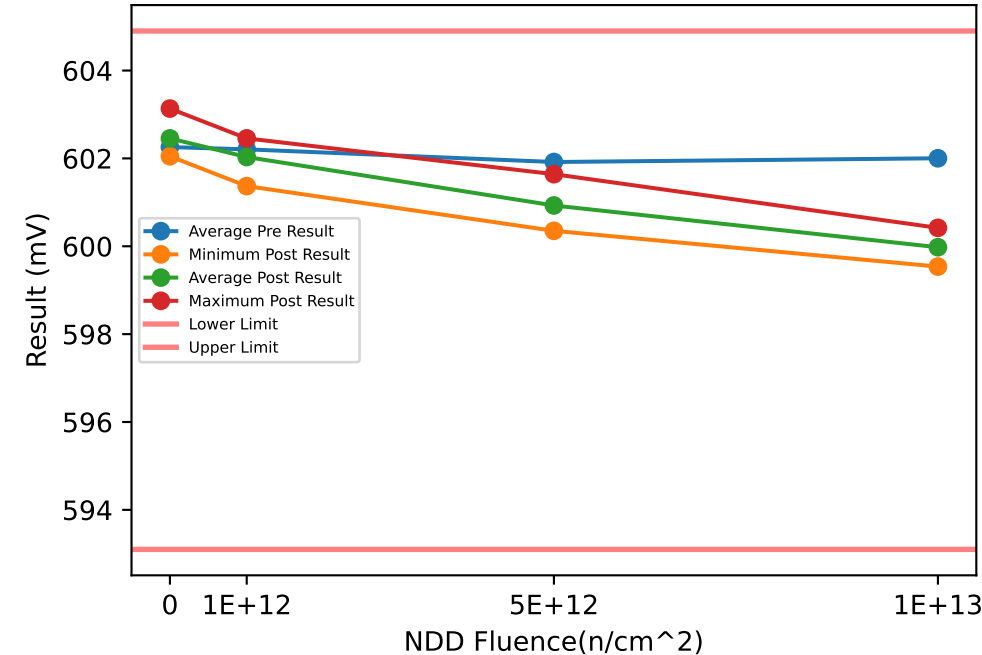
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.32	598.11	-0.2088
314	1e+12	NDD Unbiased	597.64	597.3	-0.3446
315	1e+12	NDD Unbiased	598.12	598.11	-0.0052
316	1e+12	NDD Unbiased	597.91	597.77	-0.141
317	5e+12	NDD Unbiased	597.91	596.96	-0.9555
318	5e+12	NDD Unbiased	597.91	596.62	-1.2949
320	5e+12	NDD Unbiased	596.96	595.94	-1.0233
321	5e+12	NDD Unbiased	598.52	597.84	-0.684
322	1e+13	NDD Unbiased	597.78	596.14	-1.6342
323	1e+13	NDD Unbiased	597.3	595.33	-1.9736
324	1e+13	NDD Unbiased	597.78	595.87	-1.9057
325	1e+13	NDD Unbiased	597.78	596.28	-1.4984
326	0	Correlation	599.2	598.99	-0.2088
327	0	Correlation	597.98	598.11	0.1306
328	0	Correlation	597.85	598.32	0.4699

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.85	598.34	599.2	0.74766	598.11	598.47	598.99	0.46203	-0.2088	0.13057	0.4699	0.33935
1e+12	597.64	598	598.32	0.28994	597.3	597.82	598.11	0.38546	-0.3446	-0.1749	-0.0052	0.1413
5e+12	596.96	597.83	598.52	0.64484	595.94	596.84	597.84	0.79034	-1.2949	-0.98943	-0.684	0.25093
1e+13	597.3	597.66	597.78	0.23755	595.33	595.91	596.28	0.42026	-1.9736	-1.753	-1.4984	0.22429

Device Test: 13.6; VTH_SENSE

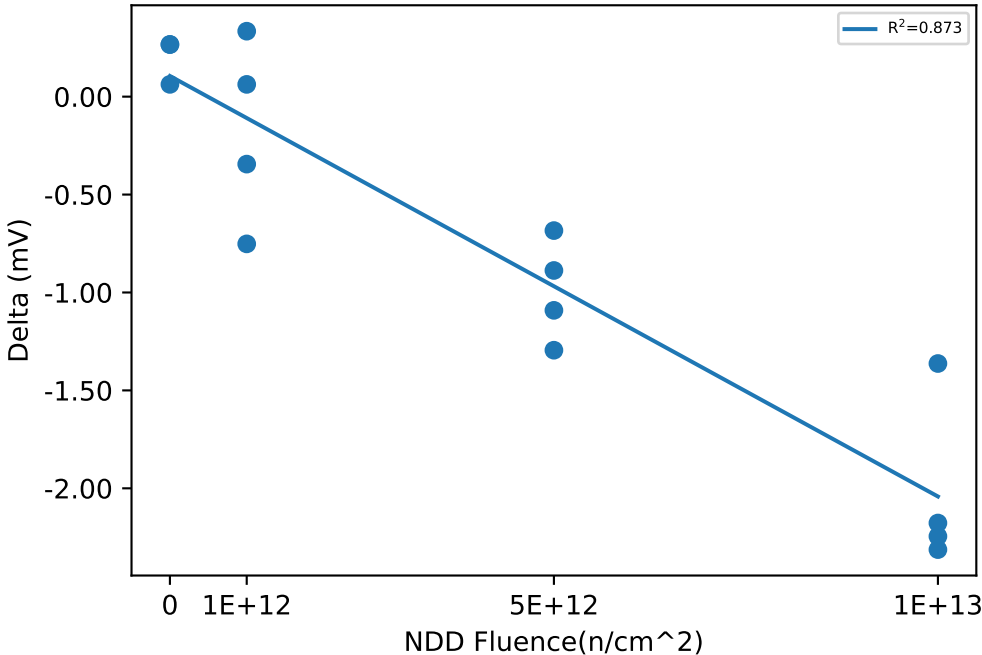
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	602.6	602.25	-0.3445
314	1e+12	NDD Unbiased	602.12	601.37	-0.7518
315	1e+12	NDD Unbiased	602.12	602.46	0.3342
316	1e+12	NDD Unbiased	601.99	602.05	0.0626
317	5e+12	NDD Unbiased	601.99	600.89	-1.0912
318	5e+12	NDD Unbiased	601.71	600.83	-0.8876
320	5e+12	NDD Unbiased	601.04	600.35	-0.6839
321	5e+12	NDD Unbiased	602.94	601.64	-1.2948
322	1e+13	NDD Unbiased	601.78	600.42	-1.3627
323	1e+13	NDD Unbiased	601.85	599.54	-2.3129
324	1e+13	NDD Unbiased	601.99	599.81	-2.1772
325	1e+13	NDD Unbiased	602.39	600.15	-2.2451
326	0	Correlation	603.07	603.13	0.0627
327	0	Correlation	601.78	602.05	0.2663
328	0	Correlation	601.92	602.18	0.2663

NDD vs Post - Pre Exposure Delta

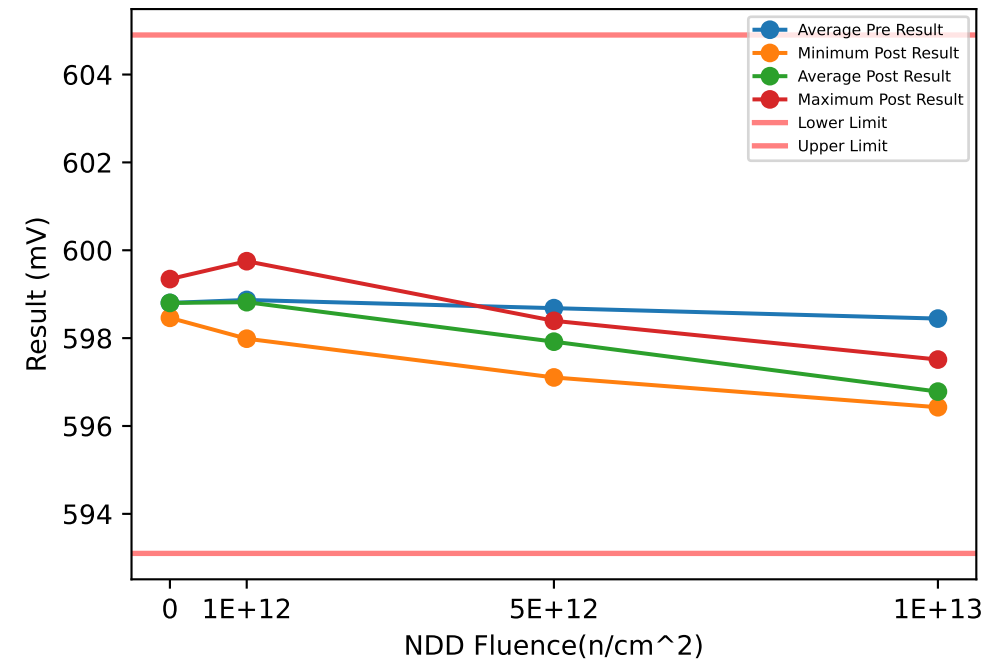


Test Statistics (mV)

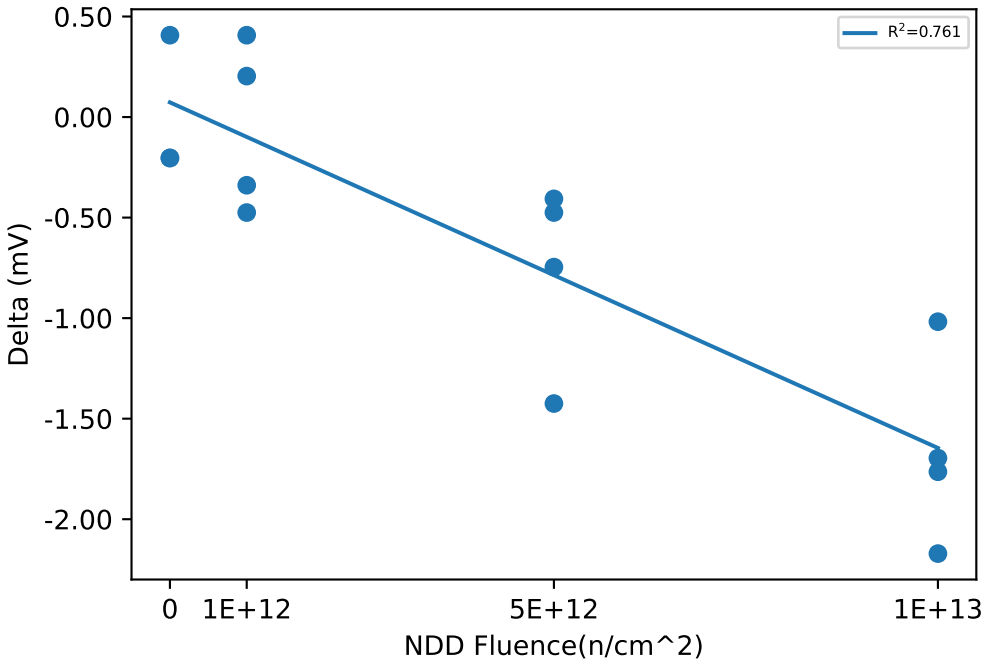
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.78	602.26	603.07	0.70861	602.05	602.46	603.13	0.59171	0.0627	0.19843	0.2663	0.11755
1e+12	601.99	602.21	602.6	0.26792	601.37	602.03	602.46	0.47148	-0.7518	-0.17487	0.3342	0.4751
5e+12	601.04	601.92	602.94	0.78766	600.35	600.93	601.64	0.533	-1.2948	-0.98938	-0.6839	0.26289
1e+13	601.78	602	602.39	0.27362	599.54	599.98	600.42	0.38591	-2.3129	-2.0245	-1.3627	0.44465

Device Test: 13.7; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

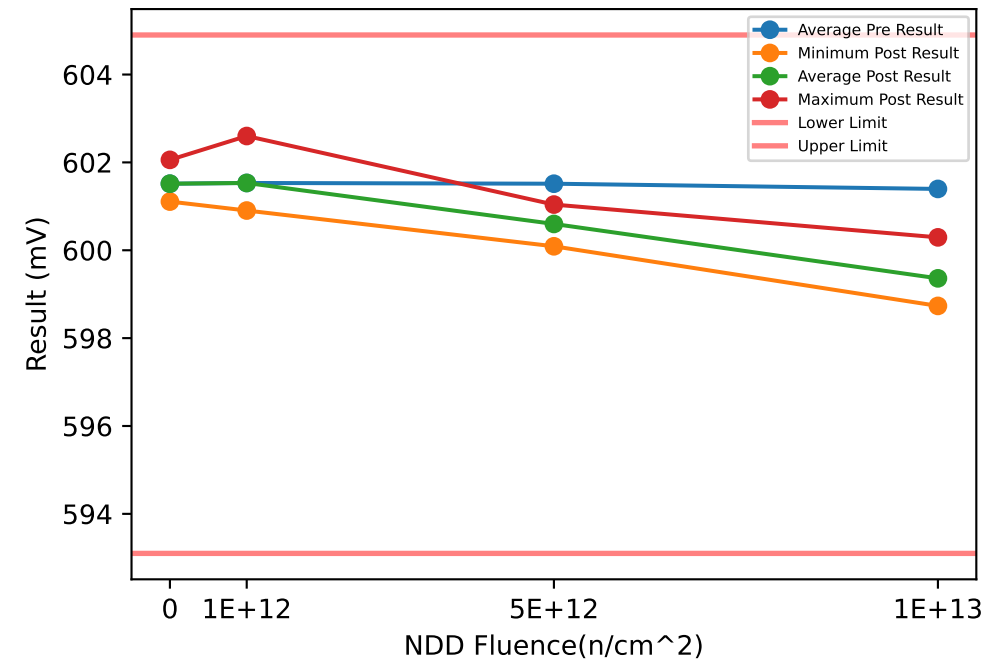
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	598.33	597.99	-0.3391
314	1e+12	NDD Unbiased	598.26	598.67	0.4071
315	1e+12	NDD Unbiased	599.55	599.75	0.2037
316	1e+12	NDD Unbiased	599.34	598.87	-0.4749
317	5e+12	NDD Unbiased	598.8	598.05	-0.7462
318	5e+12	NDD Unbiased	598.6	598.12	-0.4748
320	5e+12	NDD Unbiased	598.53	597.11	-1.4247
321	5e+12	NDD Unbiased	598.8	598.39	-0.4069
322	1e+13	NDD Unbiased	598.53	597.51	-1.0177
323	1e+13	NDD Unbiased	598.6	596.43	-2.171
324	1e+13	NDD Unbiased	598.33	596.63	-1.696
325	1e+13	NDD Unbiased	598.33	596.56	-1.7639
326	0	Correlation	598.94	599.34	0.4071
327	0	Correlation	598.8	598.6	-0.2035
328	0	Correlation	598.67	598.46	-0.2035

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.67	598.8	598.94	0.1357	598.46	598.8	599.34	0.47494	-0.2035	3.3333e-05	0.4071	0.35253
1e+12	598.26	598.87	599.55	0.67162	597.99	598.82	599.75	0.72731	-0.4749	-0.0508	0.4071	0.42325
5e+12	598.53	598.68	598.8	0.13983	597.11	597.92	598.39	0.56221	-1.4247	-0.76315	-0.4069	0.46476
1e+13	598.33	598.44	598.6	0.13989	596.43	596.78	597.51	0.49351	-2.171	-1.6621	-1.0177	0.4781

Device Test: 13.8; VTH_SENSE

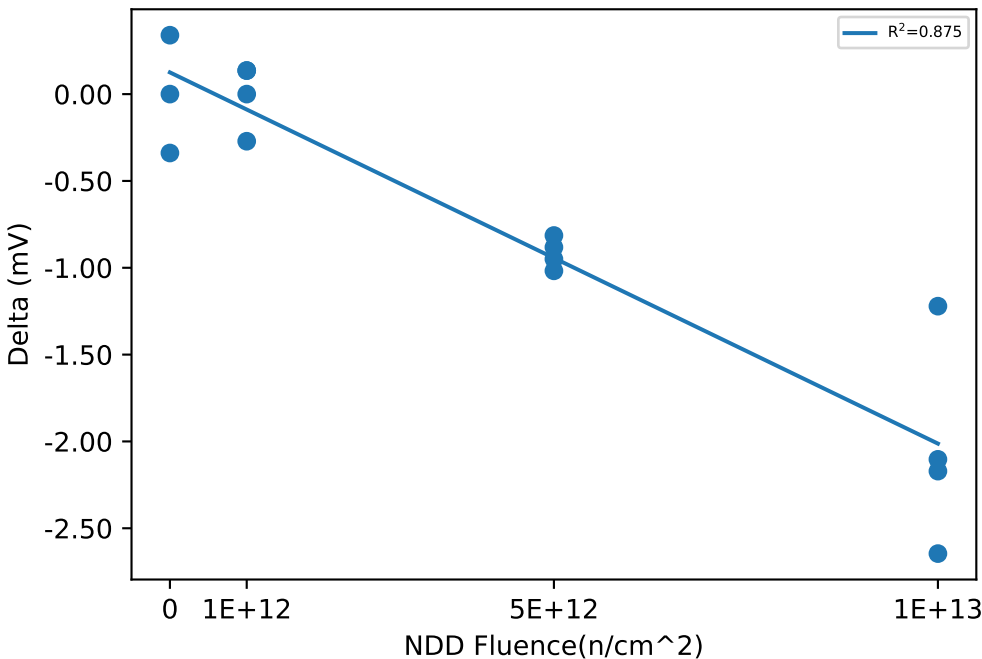
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.9	600.9	0.0001
314	1e+12	NDD Unbiased	601.24	601.38	0.1357
315	1e+12	NDD Unbiased	602.46	602.6	0.1357
316	1e+12	NDD Unbiased	601.51	601.24	-0.2713
317	5e+12	NDD Unbiased	601.51	600.63	-0.8819
318	5e+12	NDD Unbiased	601.45	600.63	-0.8141
320	5e+12	NDD Unbiased	601.11	600.09	-1.0176
321	5e+12	NDD Unbiased	601.99	601.04	-0.9498
322	1e+13	NDD Unbiased	601.51	600.29	-1.2211
323	1e+13	NDD Unbiased	601.31	599.21	-2.1031
324	1e+13	NDD Unbiased	601.38	598.73	-2.6459
325	1e+13	NDD Unbiased	601.38	599.21	-2.171
326	0	Correlation	602.06	602.06	0.0001
327	0	Correlation	601.45	601.11	-0.3391
328	0	Correlation	601.04	601.38	0.3393

NDD vs Post - Pre Exposure Delta

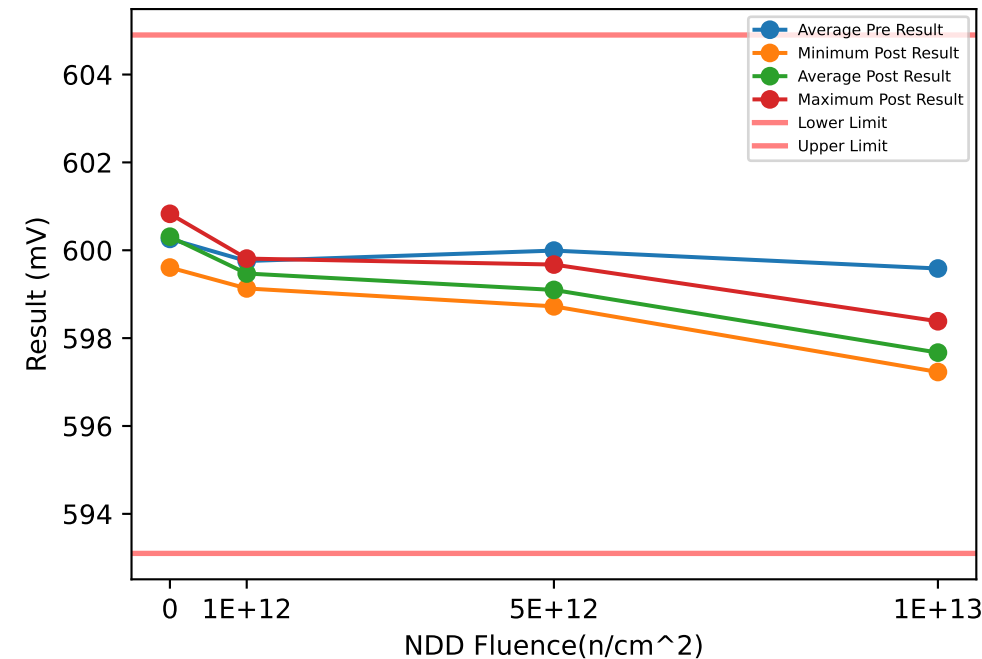


Test Statistics (mV)

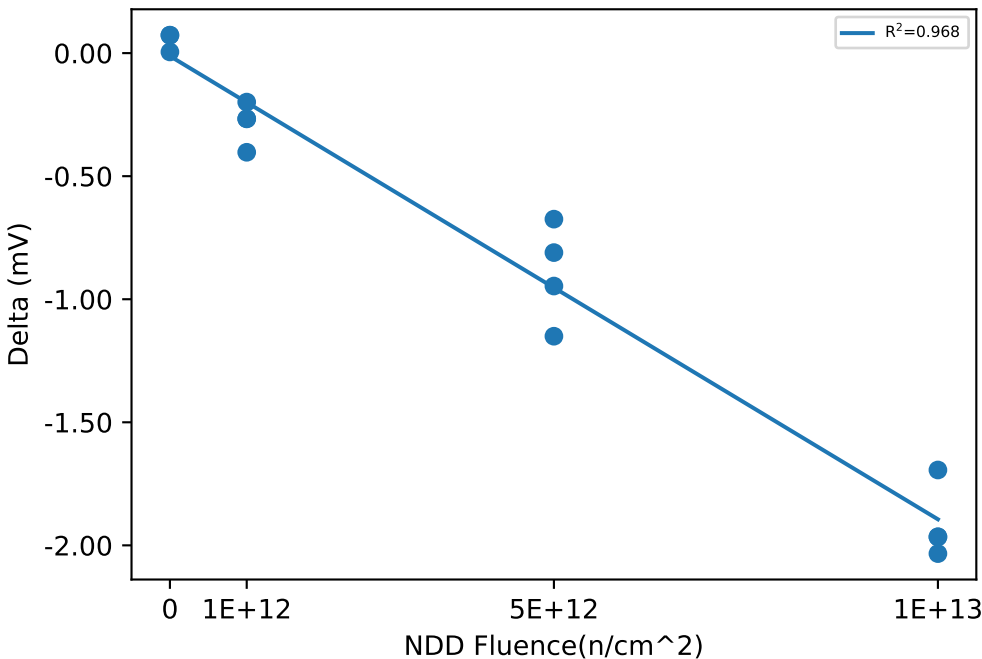
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	601.04	601.51	602.06	0.51223	601.11	601.52	602.06	0.48923	-0.3391	0.0001	0.3393	0.3392
1e+12	600.9	601.53	602.46	0.67022	600.9	601.53	602.6	0.73983	-0.2713	5e-05	0.1357	0.19186
5e+12	601.11	601.51	601.99	0.36326	600.09	600.6	601.04	0.38973	-1.0176	-0.91585	-0.8141	0.087581
1e+13	601.31	601.4	601.51	0.085346	598.73	599.36	600.29	0.66097	-2.6459	-2.0353	-1.2211	0.59407

Device Test: 13.9; VTH_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



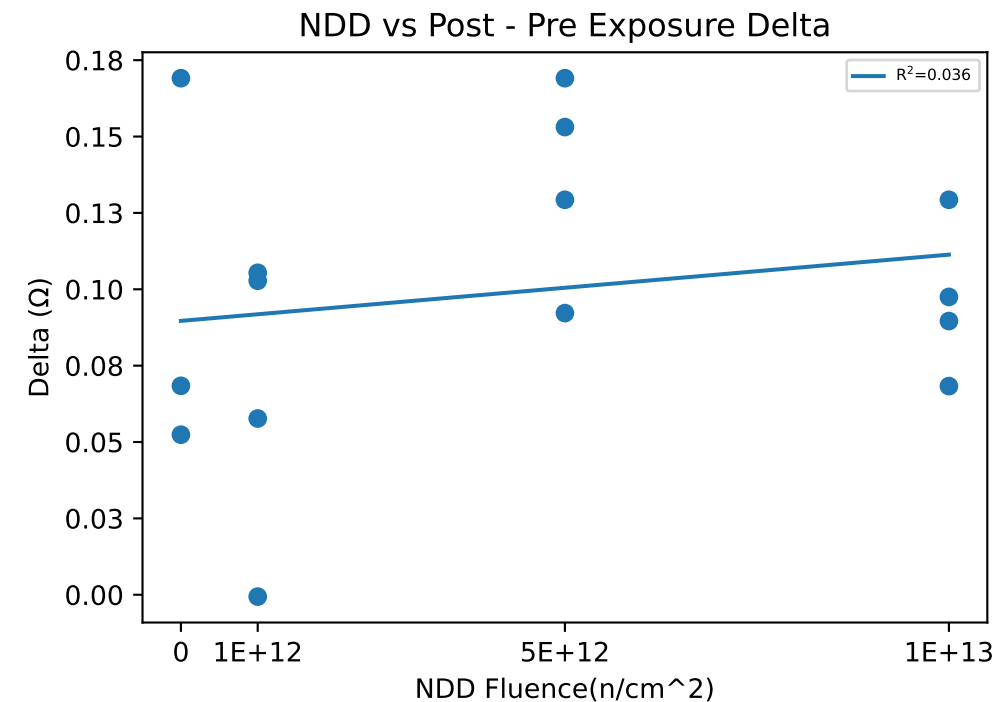
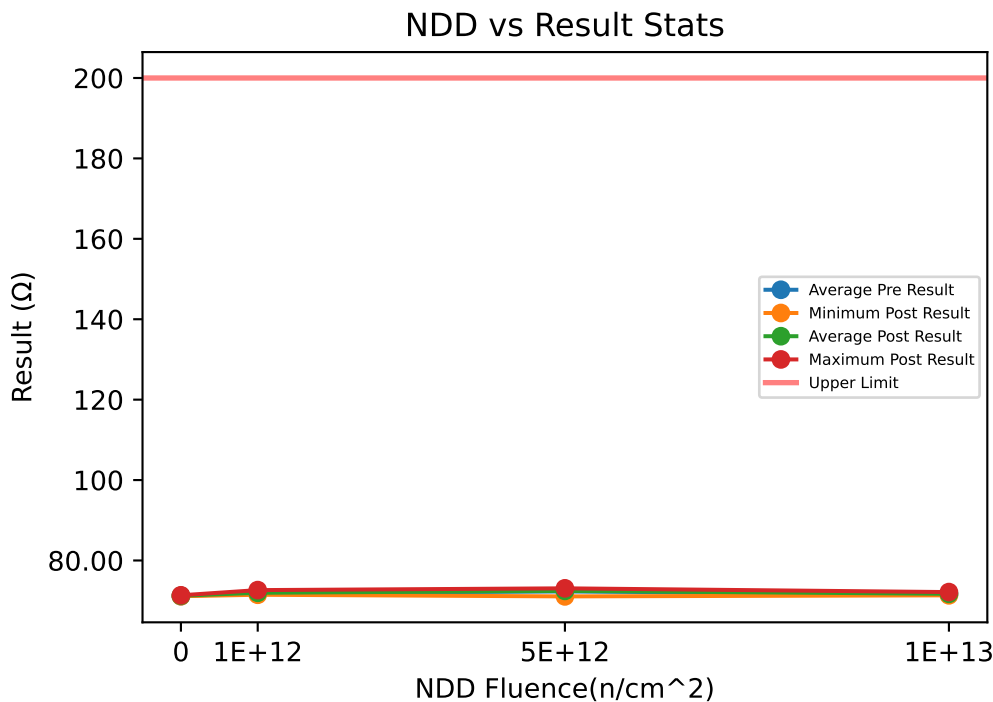
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	600.01	599.61	-0.4029
314	1e+12	NDD Unbiased	599.53	599.34	-0.199
315	1e+12	NDD Unbiased	600.08	599.81	-0.2669
316	1e+12	NDD Unbiased	599.4	599.13	-0.2669
317	5e+12	NDD Unbiased	599.87	598.72	-1.1503
318	5e+12	NDD Unbiased	600.08	599.13	-0.9464
320	5e+12	NDD Unbiased	599.67	598.86	-0.8105
321	5e+12	NDD Unbiased	600.35	599.67	-0.6746
322	1e+13	NDD Unbiased	600.08	598.38	-1.6938
323	1e+13	NDD Unbiased	599.53	597.57	-1.9655
324	1e+13	NDD Unbiased	599.26	597.23	-2.0335
325	1e+13	NDD Unbiased	599.47	597.5	-1.9655
326	0	Correlation	600.83	600.83	0.0048
327	0	Correlation	600.42	600.49	0.0728
328	0	Correlation	599.53	599.61	0.0728

Test Statistics (mV)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.53	600.26	600.83	0.65994	599.61	600.31	600.83	0.63131	0.0048	0.050133	0.0728	0.03926
1e+12	599.4	599.75	600.08	0.3392	599.13	599.47	599.81	0.29877	-0.4029	-0.28392	-0.199	0.085532
5e+12	599.67	599.99	600.35	0.29028	598.72	599.1	599.67	0.42071	-1.1503	-0.89545	-0.6746	0.20292
1e+13	599.26	599.59	600.08	0.3481	597.23	597.67	598.38	0.49772	-2.0335	-1.9146	-1.6938	0.15063

Device Test: 18.11; PWRGD_RNMOS_OD

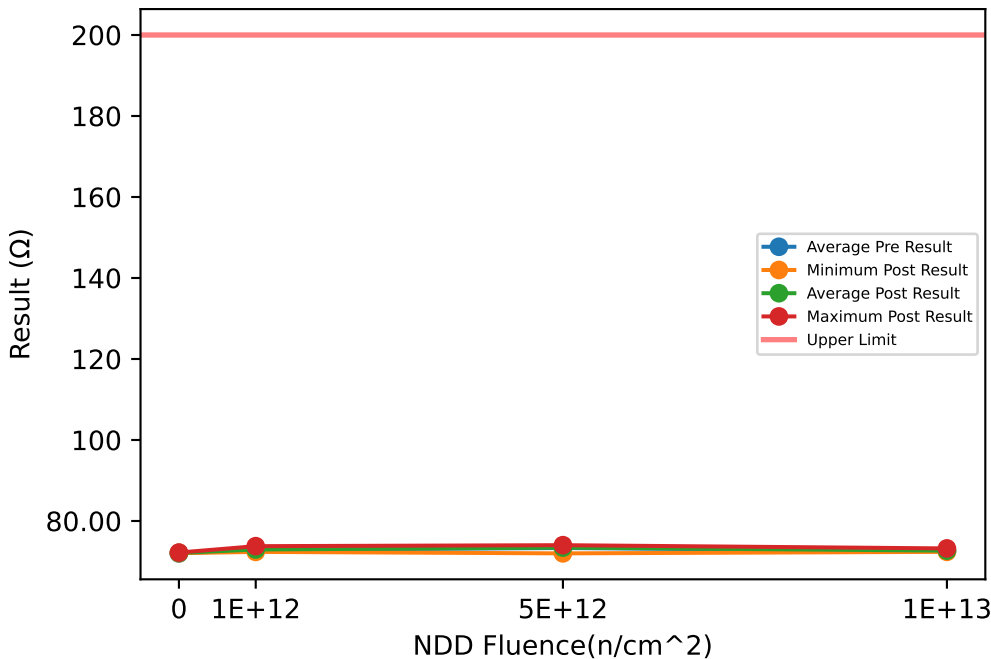


Test Results (Upper Limit = 200.0 (Ω))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	72.632	72.632	-0.0006
314	1e+12	NDD Unbiased	71.71	71.767	0.0577
315	1e+12	NDD Unbiased	71.373	71.476	0.1028
316	1e+12	NDD Unbiased	71.895	72.001	0.1054
317	5e+12	NDD Unbiased	72.521	72.613	0.0922
318	5e+12	NDD Unbiased	72.905	73.075	0.1691
320	5e+12	NDD Unbiased	72.837	72.99	0.1531
321	5e+12	NDD Unbiased	70.938	71.067	0.1293
322	1e+13	NDD Unbiased	72.073	72.141	0.0683
323	1e+13	NDD Unbiased	71.712	71.841	0.1293
324	1e+13	NDD Unbiased	71.439	71.537	0.0975
325	1e+13	NDD Unbiased	71.246	71.335	0.0896
326	0	Correlation	71.195	71.248	0.0524
327	0	Correlation	71.272	71.34	0.0684
328	0	Correlation	70.946	71.115	0.1691

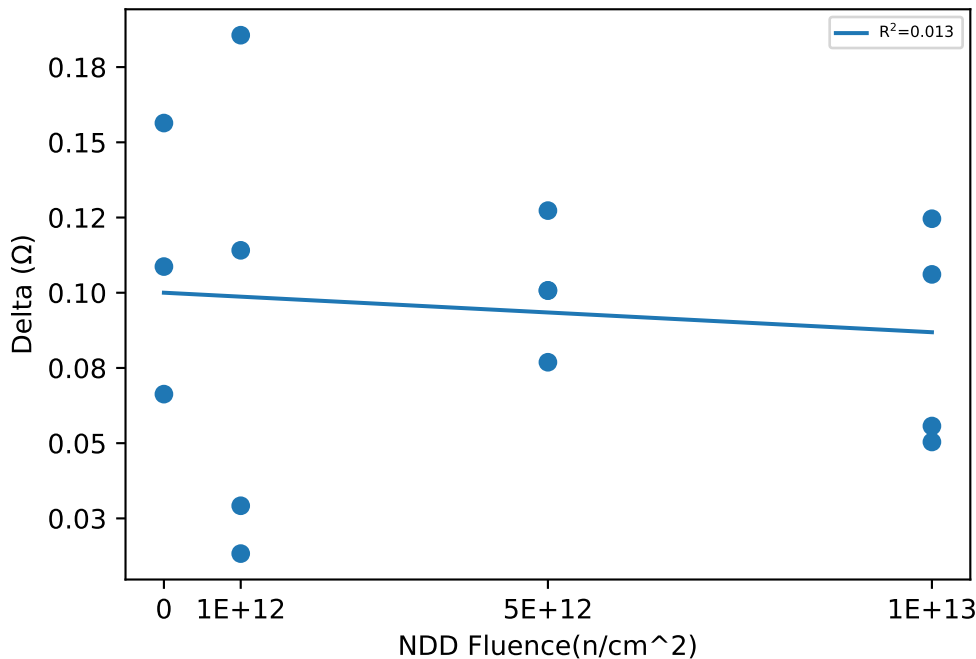
Test Statistics (Ω)												
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.946	71.138	71.272	0.17048	71.115	71.234	71.34	0.11328	0.0524	0.096633	0.1691	0.063266
1e+12	71.373	71.902	72.632	0.53243	71.476	71.969	72.632	0.49136	-0.0006	0.066325	0.1054	0.049701
5e+12	70.938	72.3	72.905	0.92348	71.067	72.436	73.075	0.93437	0.0922	0.13593	0.1691	0.033423
1e+13	71.246	71.617	72.073	0.35892	71.335	71.714	72.141	0.35294	0.0683	0.096175	0.1293	0.025293

Device Test: 18.12; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



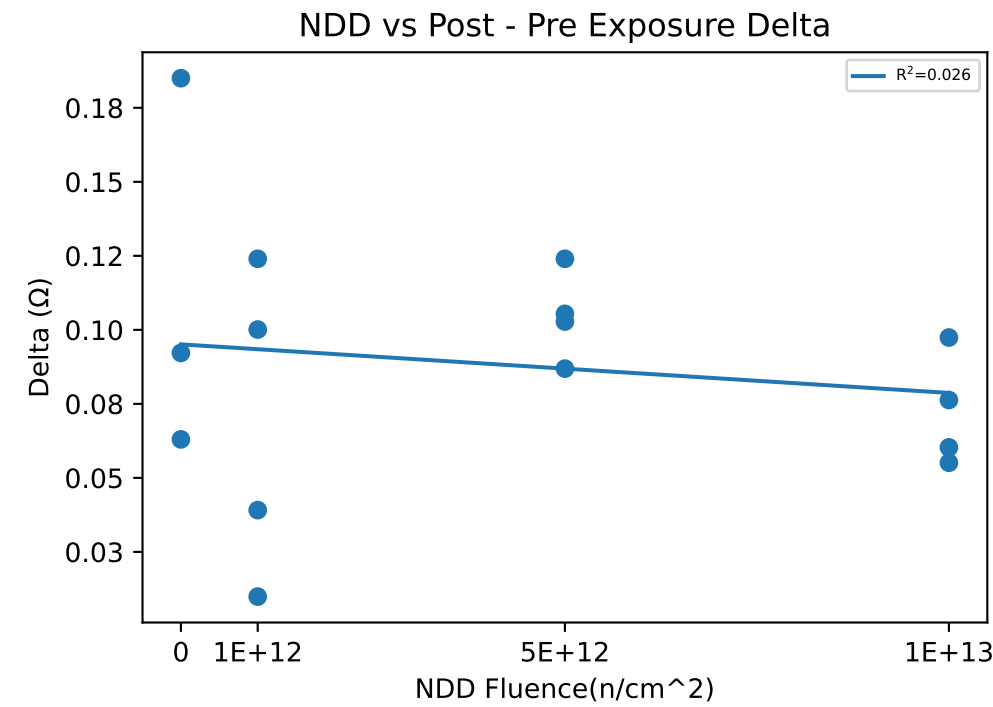
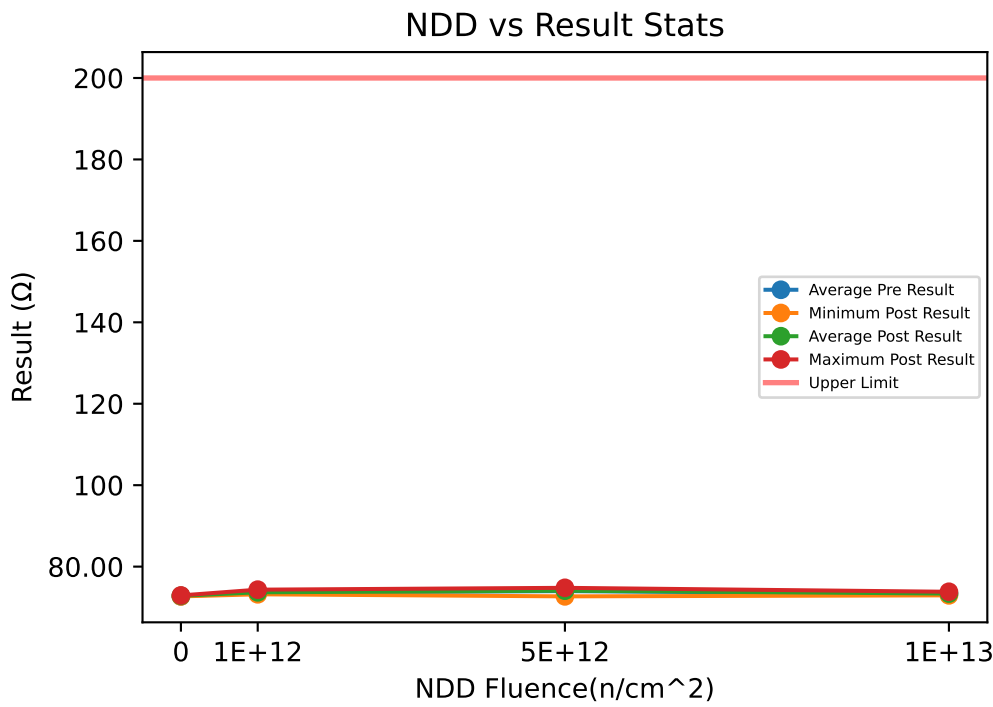
Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	73.755	73.785	0.0292
314	1e+12	NDD Unbiased	72.579	72.592	0.0133
315	1e+12	NDD Unbiased	72.255	72.369	0.1141
316	1e+12	NDD Unbiased	72.905	73.09	0.1856
317	5e+12	NDD Unbiased	73.528	73.655	0.1273
318	5e+12	NDD Unbiased	73.928	74.028	0.1007
320	5e+12	NDD Unbiased	73.949	74.026	0.0769
321	5e+12	NDD Unbiased	71.906	72.006	0.1008
322	1e+13	NDD Unbiased	73.172	73.228	0.0557
323	1e+13	NDD Unbiased	72.592	72.642	0.0504
324	1e+13	NDD Unbiased	72.364	72.47	0.1061
325	1e+13	NDD Unbiased	72.258	72.383	0.1246
326	0	Correlation	71.996	72.062	0.0663
327	0	Correlation	72.099	72.208	0.1087
328	0	Correlation	71.9	72.057	0.1564

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	71.9	71.998	72.099	0.099427	72.057	72.109	72.208	0.085749	0.0663	0.11047	0.1564	0.045076
1e+12	72.255	72.874	73.755	0.64497	72.369	72.959	73.785	0.62752	0.0133	0.08555	0.1856	0.080043
5e+12	71.906	73.327	73.949	0.96759	72.006	73.429	74.028	0.96449	0.0769	0.10142	0.1273	0.020591
1e+13	72.258	72.597	73.172	0.40838	72.383	72.681	73.228	0.3805	0.0504	0.0842	0.1246	0.036817

Device Test: 18.17; PWRGD_RNMOS_OD



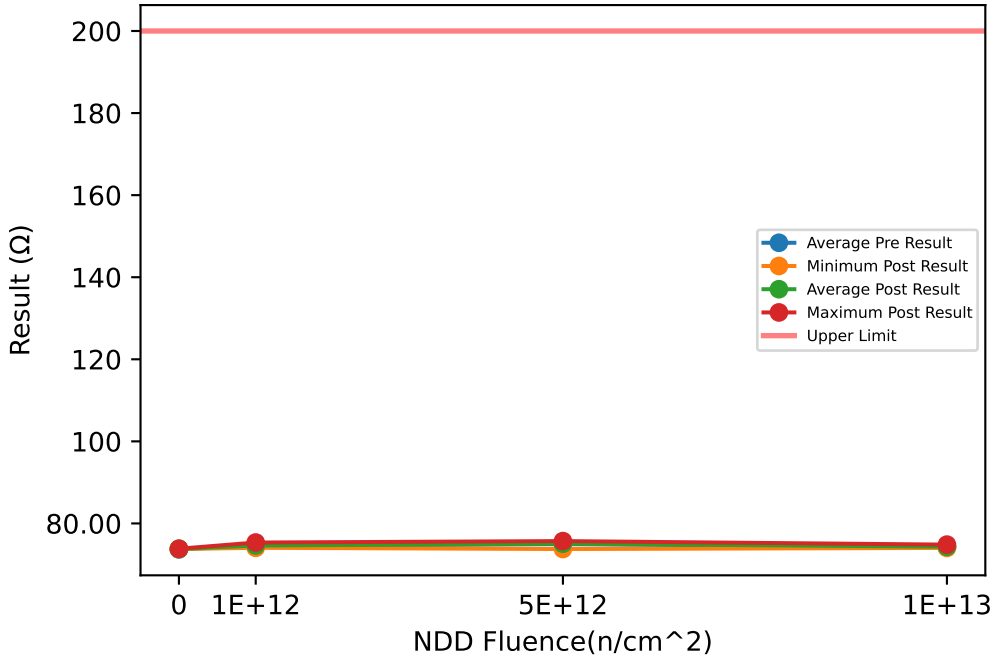
Test Results (Upper Limit = 200.0 (Ω))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	74.303	74.342	0.0391
314	1e+12	NDD Unbiased	73.457	73.467	0.0099
315	1e+12	NDD Unbiased	73.078	73.202	0.124
316	1e+12	NDD Unbiased	73.645	73.745	0.1001
317	5e+12	NDD Unbiased	74.191	74.294	0.1028
318	5e+12	NDD Unbiased	74.669	74.793	0.124
320	5e+12	NDD Unbiased	74.475	74.581	0.1054
321	5e+12	NDD Unbiased	72.608	72.695	0.0869
322	1e+13	NDD Unbiased	73.749	73.825	0.0763
323	1e+13	NDD Unbiased	73.385	73.483	0.0974
324	1e+13	NDD Unbiased	73.208	73.268	0.0603
325	1e+13	NDD Unbiased	72.889	72.945	0.0551
326	0	Correlation	72.863	72.926	0.063
327	0	Correlation	72.807	72.9	0.0922
328	0	Correlation	72.502	72.687	0.185

Test Statistics (Ω)

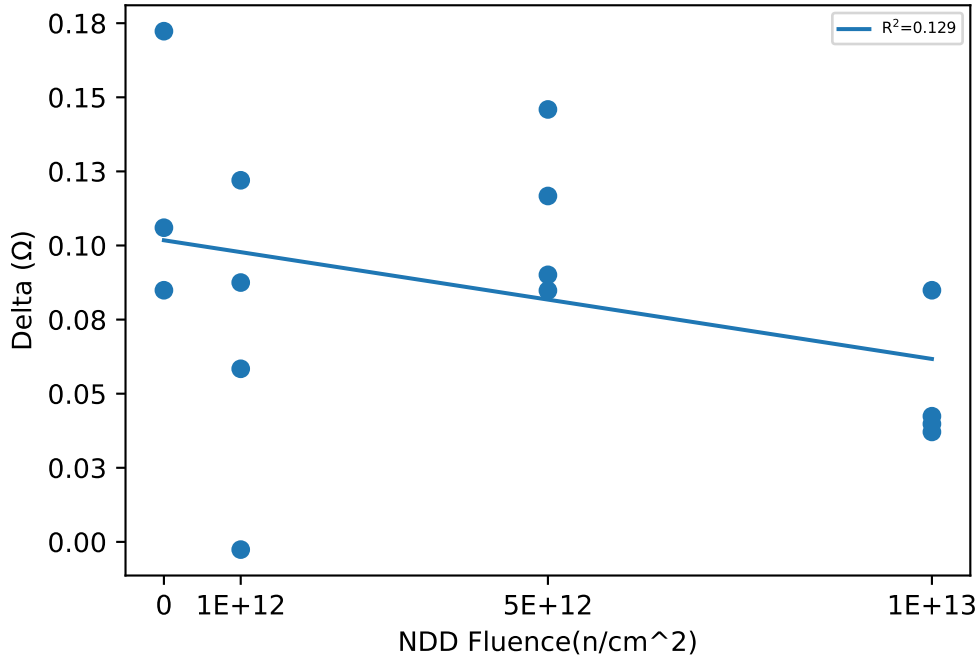
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	72.502	72.724	72.863	0.19412	72.687	72.838	72.926	0.13078	0.063	0.1134	0.185	0.063703
1e+12	73.078	73.621	74.303	0.51231	73.202	73.689	74.342	0.48858	0.0099	0.068275	0.124	0.052842
5e+12	72.608	73.986	74.669	0.93904	72.695	74.091	74.793	0.95243	0.0869	0.10478	0.124	0.015203
1e+13	72.889	73.308	73.749	0.35839	72.945	73.38	73.825	0.36996	0.0551	0.072275	0.0974	0.019025

Device Test: 18.18; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



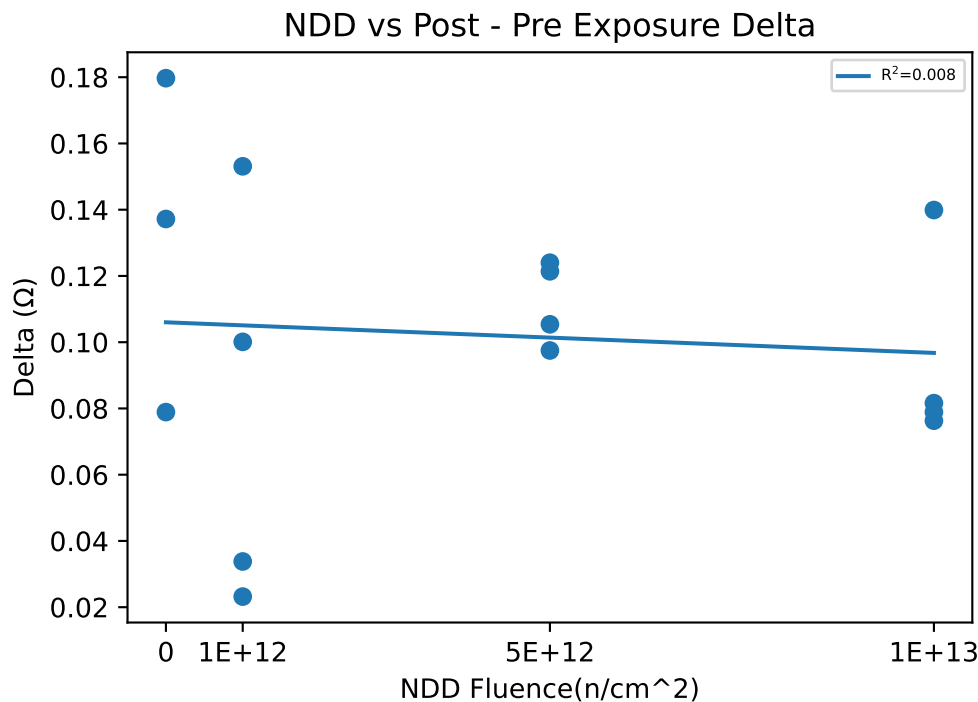
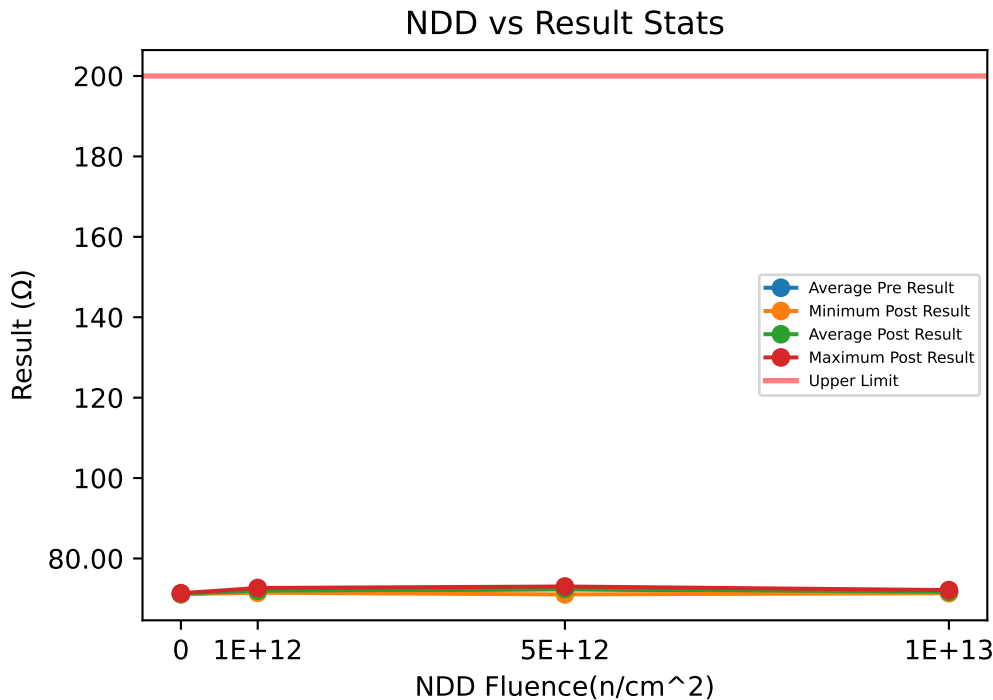
Test Results (Upper Limit = 200.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	75.351	75.348	-0.0026
314	1e+12	NDD Unbiased	74.217	74.339	0.122
315	1e+12	NDD Unbiased	74.005	74.063	0.0584
316	1e+12	NDD Unbiased	74.67	74.757	0.0875
317	5e+12	NDD Unbiased	75.083	75.229	0.1459
318	5e+12	NDD Unbiased	75.611	75.696	0.0848
320	5e+12	NDD Unbiased	75.473	75.59	0.1167
321	5e+12	NDD Unbiased	73.676	73.766	0.0901
322	1e+13	NDD Unbiased	74.752	74.837	0.0849
323	1e+13	NDD Unbiased	74.219	74.259	0.0398
324	1e+13	NDD Unbiased	74.14	74.177	0.0371
325	1e+13	NDD Unbiased	73.991	74.034	0.0424
326	0	Correlation	73.7	73.785	0.0849
327	0	Correlation	73.729	73.835	0.106
328	0	Correlation	73.594	73.766	0.1723

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	73.594	73.674	73.729	0.071143	73.766	73.795	73.835	0.035645	0.0849	0.12107	0.1723	0.045606
1e+12	74.005	74.561	75.351	0.59558	74.063	74.627	75.348	0.55937	-0.0026	0.066325	0.122	0.052794
5e+12	73.676	74.961	75.611	0.88515	73.766	75.07	75.696	0.89198	0.0848	0.10938	0.1459	0.028067
1e+13	73.991	74.276	74.752	0.33133	74.034	74.327	74.837	0.35266	0.0371	0.05105	0.0849	0.02267

Device Test: 18.23; PWRGD_RNMOS_OD

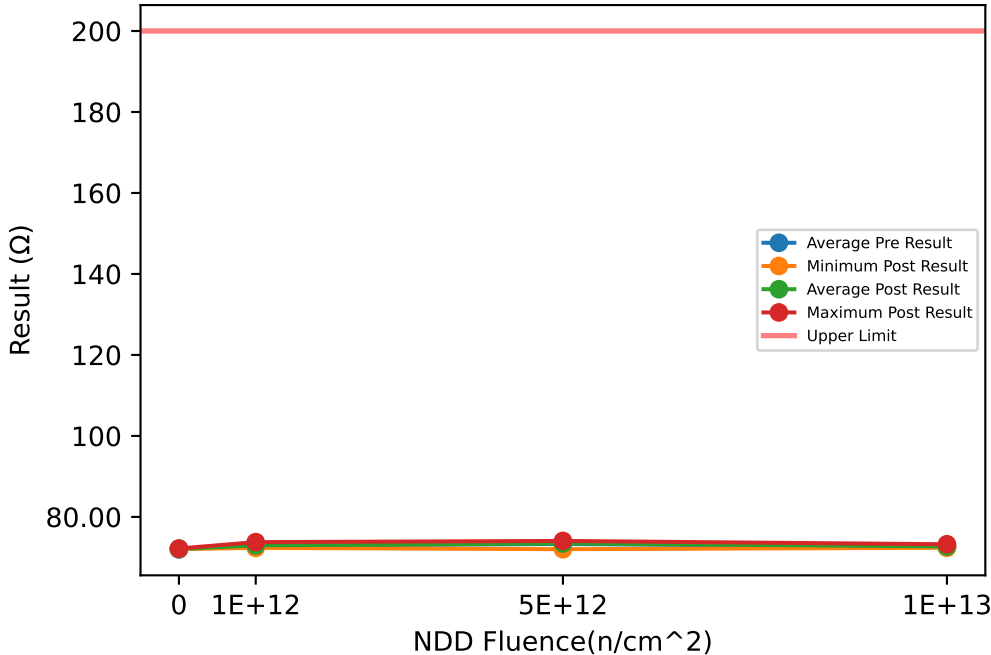


Test Results (Upper Limit = 200.0 (Ω))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	72.638	72.661	0.0232
314	1e+12	NDD Unbiased	71.725	71.759	0.0338
315	1e+12	NDD Unbiased	71.373	71.473	0.1001
316	1e+12	NDD Unbiased	71.879	72.032	0.1531
317	5e+12	NDD Unbiased	72.518	72.616	0.0975
318	5e+12	NDD Unbiased	72.911	73.032	0.1214
320	5e+12	NDD Unbiased	72.874	72.979	0.1054
321	5e+12	NDD Unbiased	70.941	71.065	0.124
322	1e+13	NDD Unbiased	72.06	72.138	0.0789
323	1e+13	NDD Unbiased	71.76	71.836	0.0763
324	1e+13	NDD Unbiased	71.471	71.552	0.0816
325	1e+13	NDD Unbiased	71.224	71.364	0.1399
326	0	Correlation	71.208	71.287	0.0789
327	0	Correlation	71.222	71.359	0.1372
328	0	Correlation	70.933	71.112	0.1797

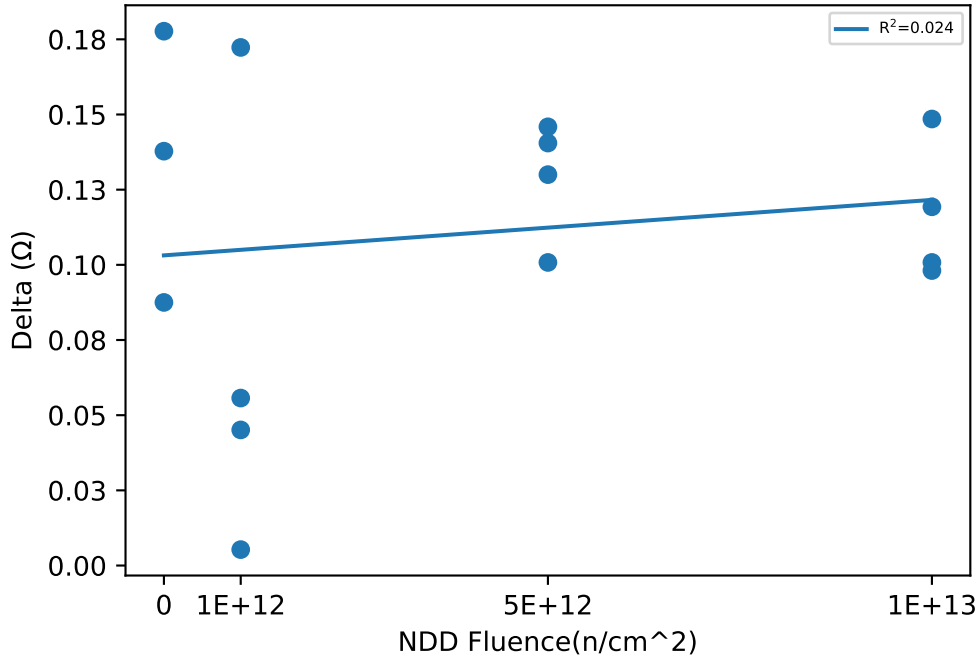
Test Statistics (Ω)												
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.933	71.121	71.222	0.16321	71.112	71.253	71.359	0.12686	0.0789	0.13193	0.1797	0.050606
1e+12	71.373	71.904	72.638	0.53317	71.473	71.981	72.661	0.50731	0.0232	0.07755	0.1531	0.060785
5e+12	70.941	72.311	72.911	0.93044	71.065	72.423	73.032	0.92422	0.0975	0.11207	0.124	0.01273
1e+13	71.224	71.629	72.06	0.36117	71.364	71.723	72.138	0.33826	0.0763	0.094175	0.1399	0.03056

Device Test: 18.24; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 200.0 (Ω))

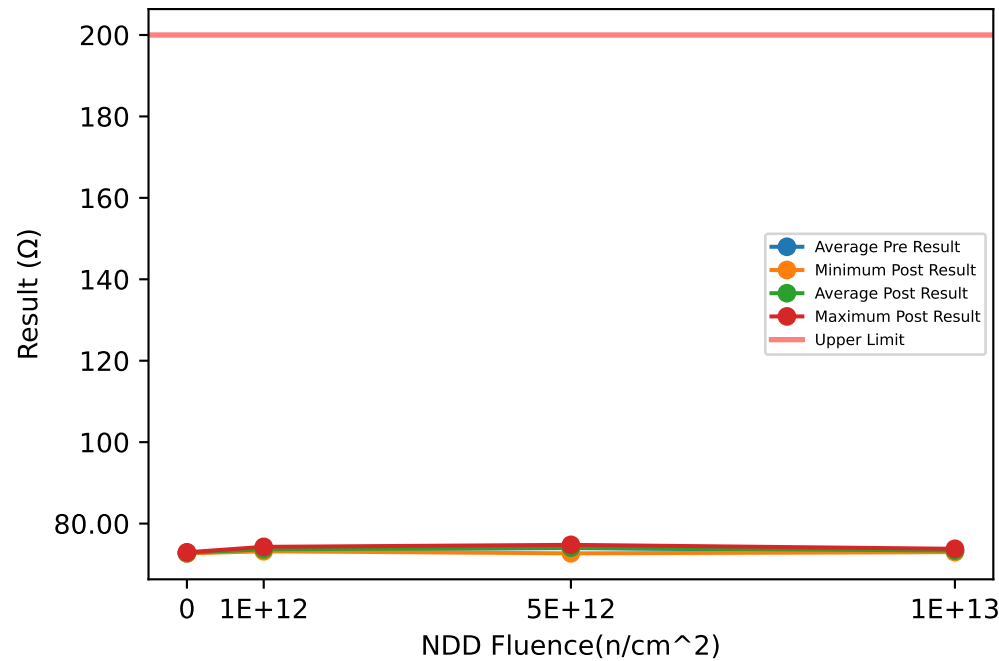
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	73.771	73.777	0.0053
314	1e+12	NDD Unbiased	72.549	72.605	0.0557
315	1e+12	NDD Unbiased	72.308	72.353	0.0451
316	1e+12	NDD Unbiased	72.918	73.09	0.1723
317	5e+12	NDD Unbiased	73.533	73.663	0.13
318	5e+12	NDD Unbiased	73.88	74.026	0.1459
320	5e+12	NDD Unbiased	73.968	74.068	0.1008
321	5e+12	NDD Unbiased	71.89	72.03	0.1405
322	1e+13	NDD Unbiased	73.13	73.249	0.1193
323	1e+13	NDD Unbiased	72.52	72.669	0.1485
324	1e+13	NDD Unbiased	72.38	72.478	0.0981
325	1e+13	NDD Unbiased	72.284	72.385	0.1008
326	0	Correlation	71.969	72.057	0.0875
327	0	Correlation	72.062	72.2	0.1378
328	0	Correlation	71.908	72.086	0.1777

Test Statistics (Ω)

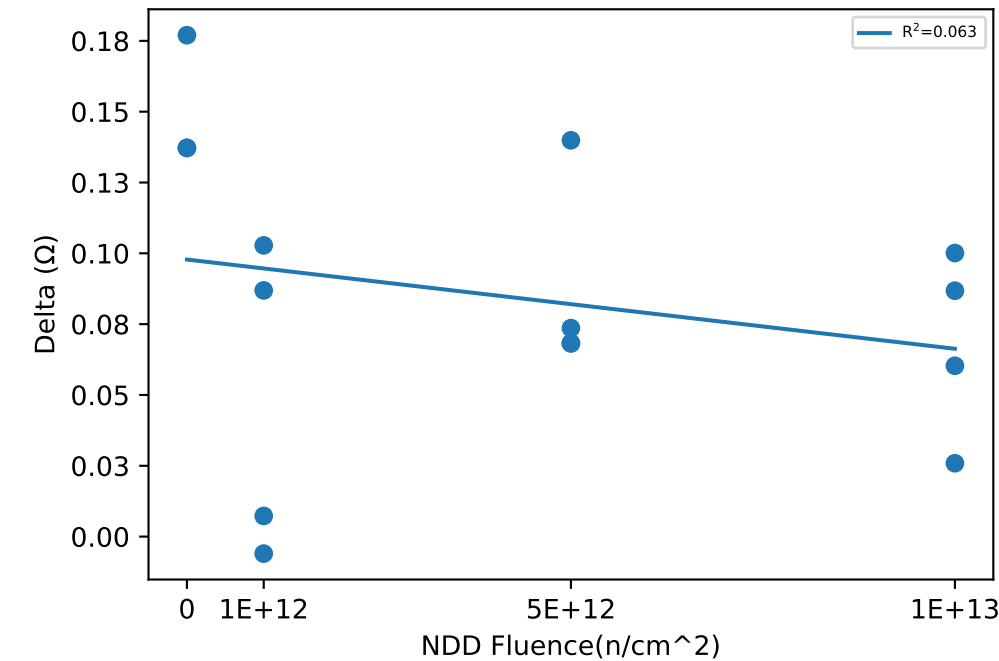
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	71.908	71.98	72.062	0.077446	72.057	72.114	72.2	0.075612	0.0875	0.13433	0.1777	0.0452
1e+12	72.308	72.887	73.771	0.64078	72.353	72.956	73.777	0.62654	0.0053	0.0696	0.1723	0.071822
5e+12	71.89	73.317	73.968	0.97025	72.03	73.447	74.068	0.96182	0.1008	0.1293	0.1459	0.020114
1e+13	72.284	72.579	73.13	0.38009	72.385	72.695	73.249	0.3877	0.0981	0.11668	0.1485	0.023215

Device Test: 18.5; PWRGD_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 200.0 (Ω))

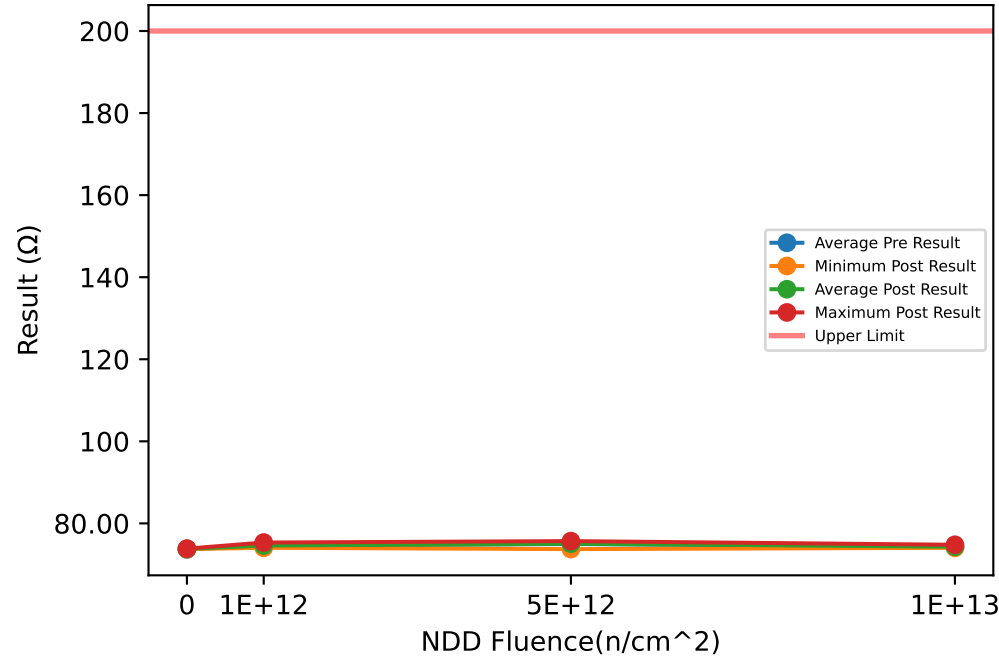
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	74.292	74.286	-0.006
314	1e+12	NDD Unbiased	73.478	73.486	0.0073
315	1e+12	NDD Unbiased	73.096	73.199	0.1028
316	1e+12	NDD Unbiased	73.661	73.748	0.0869
317	5e+12	NDD Unbiased	74.189	74.262	0.0736
318	5e+12	NDD Unbiased	74.637	74.777	0.1399
320	5e+12	NDD Unbiased	74.475	74.543	0.0682
321	5e+12	NDD Unbiased	72.624	72.693	0.0683
322	1e+13	NDD Unbiased	73.719	73.806	0.0868
323	1e+13	NDD Unbiased	73.399	73.424	0.0259
324	1e+13	NDD Unbiased	73.171	73.231	0.0603
325	1e+13	NDD Unbiased	72.879	72.979	0.1001
326	0	Correlation	72.81	72.947	0.1372
327	0	Correlation	72.775	72.913	0.1372
328	0	Correlation	72.5	72.677	0.177

Test Statistics (Ω)

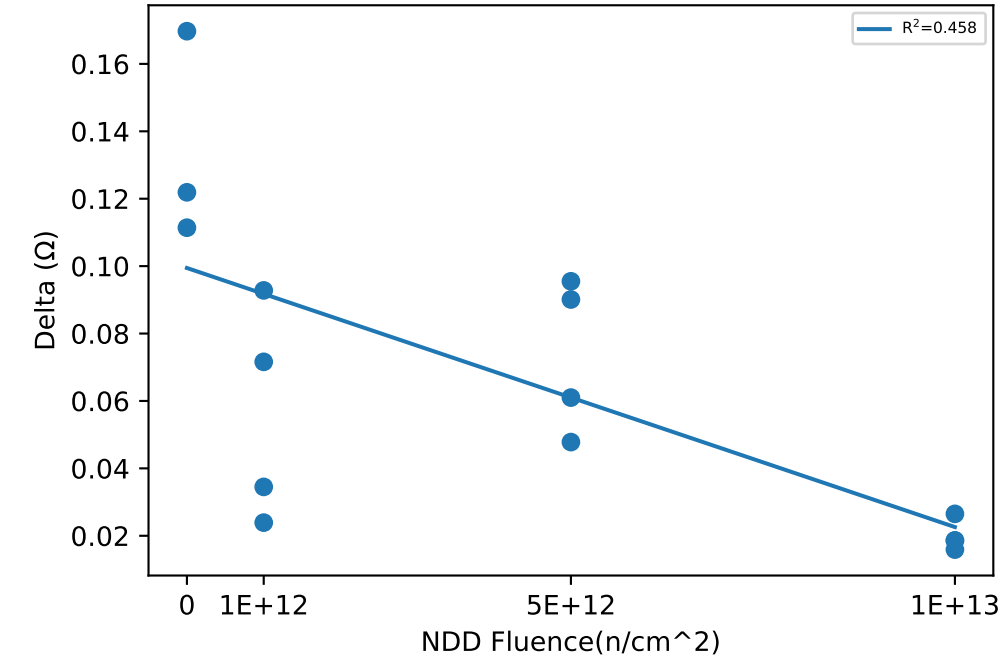
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	72.5	72.695	72.81	0.17007	72.677	72.846	72.947	0.14723	0.1372	0.15047	0.177	0.022979
1e+12	73.096	73.632	74.292	0.49911	73.199	73.68	74.286	0.46231	-0.006	0.04775	0.1028	0.055041
5e+12	72.624	73.981	74.637	0.9234	72.693	74.069	74.777	0.94121	0.0682	0.0875	0.1399	0.035024
1e+13	72.879	73.292	73.719	0.35567	72.979	73.36	73.806	0.34889	0.0259	0.068275	0.1001	0.032738

Device Test: 18.6; WDO_RNMOS_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 200.0 (Ω))

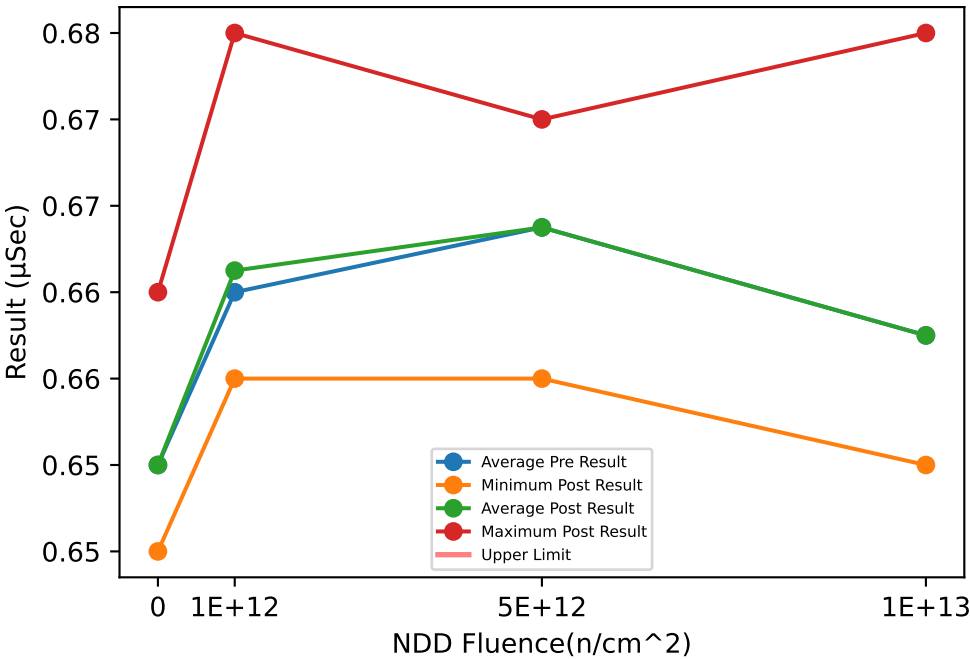
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	75.301	75.335	0.0345
314	1e+12	NDD Unbiased	74.27	74.294	0.0239
315	1e+12	NDD Unbiased	73.983	74.055	0.0716
316	1e+12	NDD Unbiased	74.657	74.749	0.0928
317	5e+12	NDD Unbiased	75.136	75.184	0.0478
318	5e+12	NDD Unbiased	75.59	75.68	0.0901
320	5e+12	NDD Unbiased	75.492	75.587	0.0955
321	5e+12	NDD Unbiased	73.673	73.734	0.061
322	1e+13	NDD Unbiased	74.771	74.789	0.0186
323	1e+13	NDD Unbiased	74.227	74.254	0.0265
324	1e+13	NDD Unbiased	74.161	74.177	0.0159
325	1e+13	NDD Unbiased	74.026	74.044	0.0186
326	0	Correlation	73.71	73.822	0.1114
327	0	Correlation	73.673	73.843	0.1697
328	0	Correlation	73.602	73.724	0.1219

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	73.602	73.662	73.71	0.055201	73.724	73.796	73.843	0.063647	0.1114	0.13433	0.1697	0.031075
1e+12	73.983	74.553	75.301	0.56994	74.055	74.608	75.335	0.56376	0.0239	0.0557	0.0928	0.032093
5e+12	73.673	74.973	75.59	0.88787	73.734	75.046	75.68	0.90072	0.0478	0.0736	0.0955	0.022922
1e+13	74.026	74.296	74.771	0.32721	74.044	74.316	74.789	0.32706	0.0159	0.0199	0.0265	0.0045804

Device Test: 25.1; SR_UVLO_HT

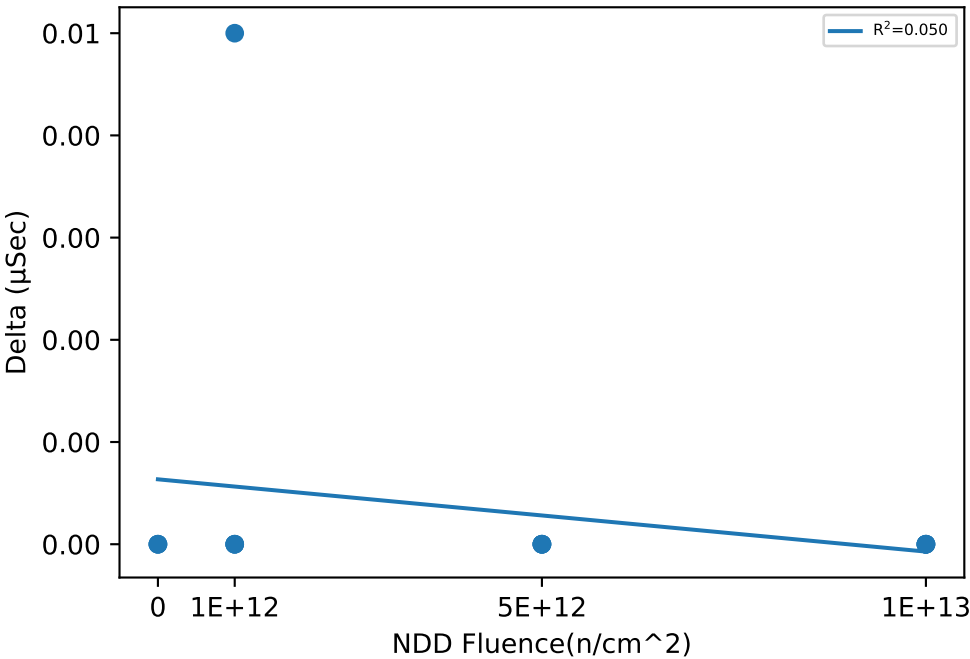
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.675	0.675	0
314	1e+12	NDD Unbiased	0.655	0.655	0
315	1e+12	NDD Unbiased	0.65	0.655	0.005
316	1e+12	NDD Unbiased	0.66	0.66	0
317	5e+12	NDD Unbiased	0.67	0.67	0
318	5e+12	NDD Unbiased	0.665	0.665	0
320	5e+12	NDD Unbiased	0.665	0.665	0
321	5e+12	NDD Unbiased	0.655	0.655	0
322	1e+13	NDD Unbiased	0.675	0.675	0
323	1e+13	NDD Unbiased	0.655	0.655	0
324	1e+13	NDD Unbiased	0.65	0.65	0
325	1e+13	NDD Unbiased	0.65	0.65	0
326	0	Correlation	0.66	0.66	0
327	0	Correlation	0.645	0.645	0
328	0	Correlation	0.645	0.645	0

NDD vs Post - Pre Exposure Delta

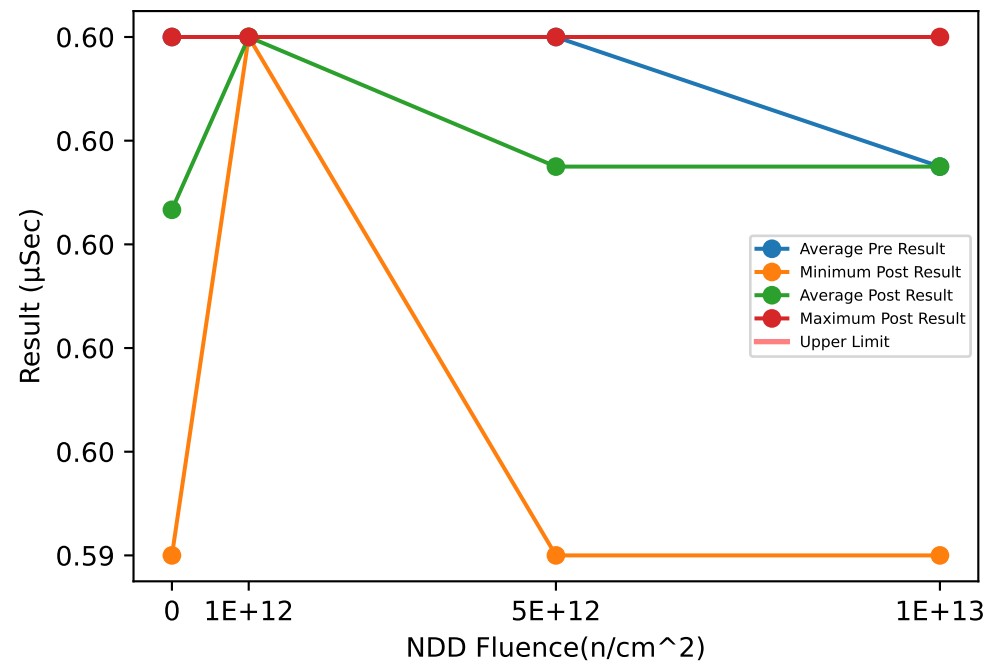


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.645	0.65	0.66	0.0086603	0.645	0.65	0.66	0.0086603	0	0	0	0
1e+12	0.65	0.66	0.675	0.010801	0.655	0.66125	0.675	0.0094648	0	0.00125	0.005	0.0025
5e+12	0.655	0.66375	0.67	0.0062915	0.655	0.66375	0.67	0.0062915	0	0	0	0
1e+13	0.65	0.6575	0.675	0.011902	0.65	0.6575	0.675	0.011902	0	0	0	0

Device Test: 25.10; SENSE_F_HT_PP

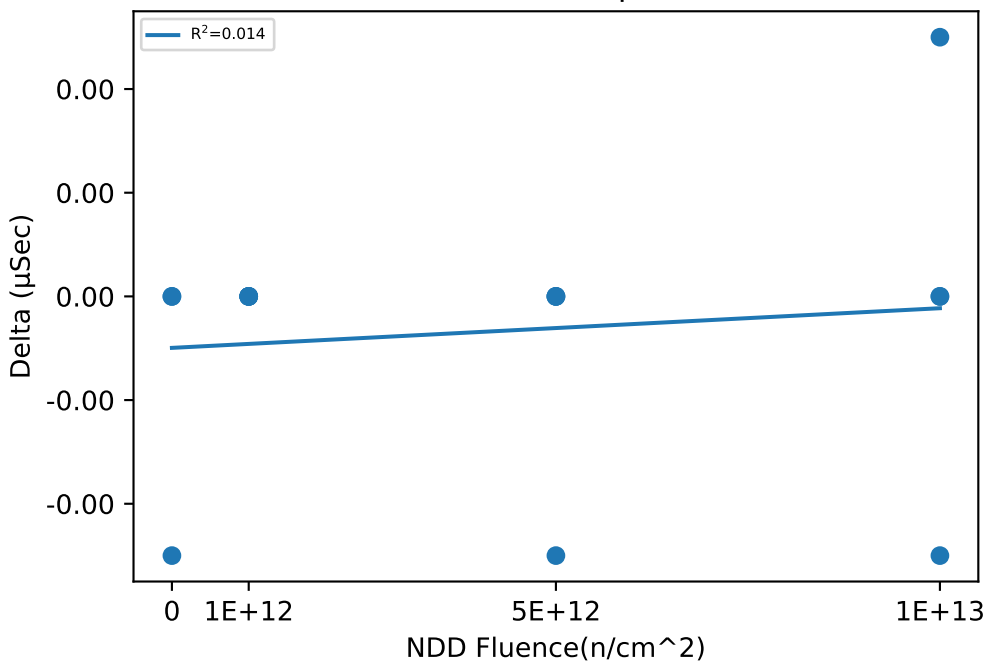
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6	0.6	0
314	1e+12	NDD Unbiased	0.6	0.6	0
315	1e+12	NDD Unbiased	0.6	0.6	0
316	1e+12	NDD Unbiased	0.6	0.6	0
317	5e+12	NDD Unbiased	0.6	0.6	0
318	5e+12	NDD Unbiased	0.6	0.6	0
320	5e+12	NDD Unbiased	0.6	0.595	-0.005
321	5e+12	NDD Unbiased	0.6	0.6	0
322	1e+13	NDD Unbiased	0.6	0.595	-0.005
323	1e+13	NDD Unbiased	0.6	0.6	0
324	1e+13	NDD Unbiased	0.6	0.6	0
325	1e+13	NDD Unbiased	0.595	0.6	0.005
326	0	Correlation	0.6	0.6	0
327	0	Correlation	0.6	0.6	0
328	0	Correlation	0.6	0.595	-0.005

NDD vs Post - Pre Exposure Delta

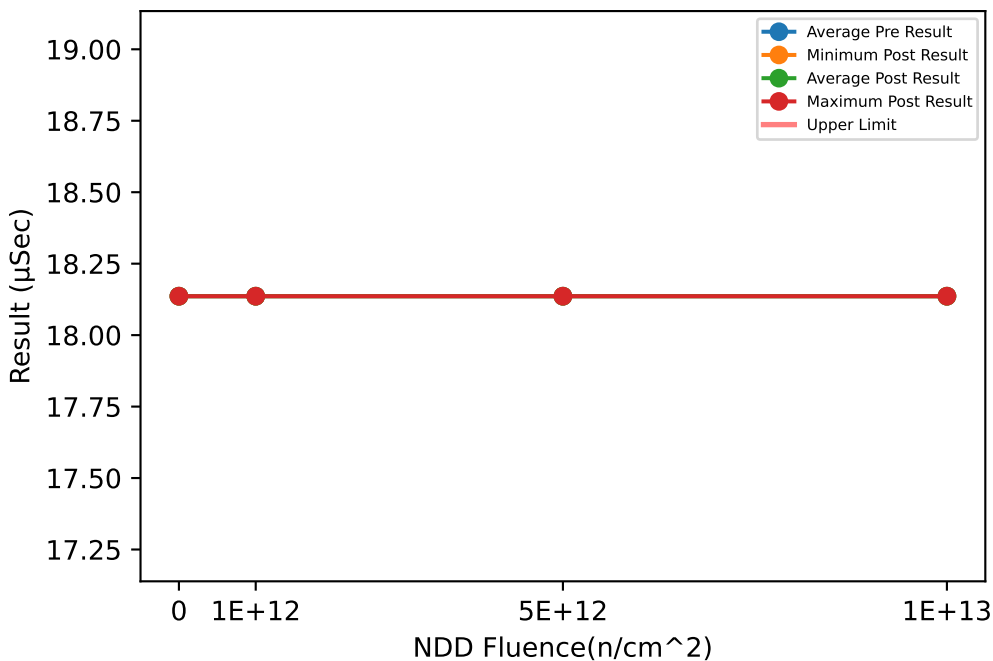


Test Statistics (µSec)

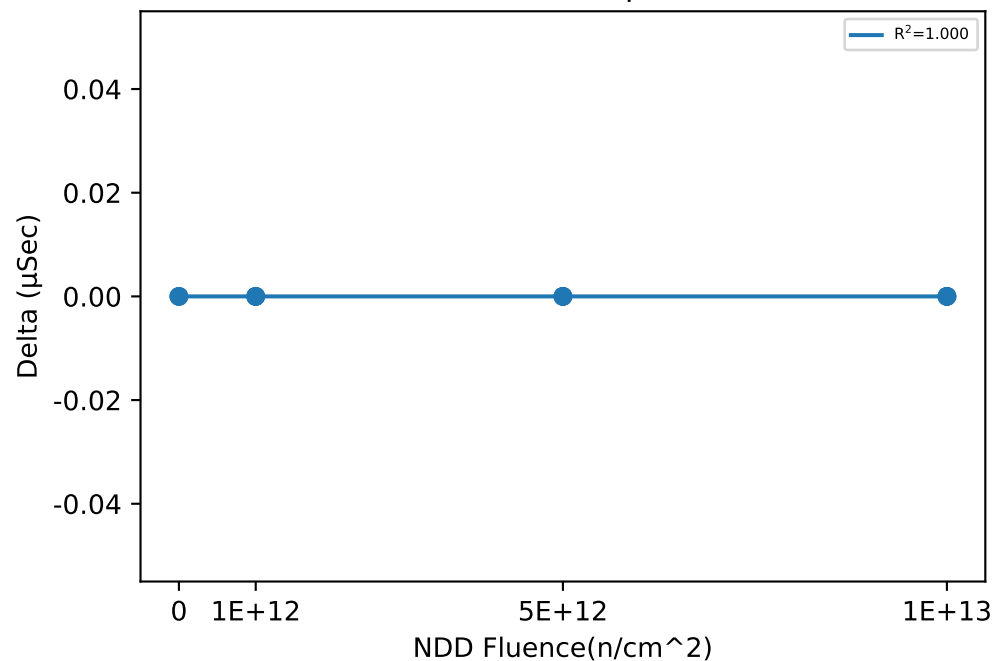
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.595	0.59833	0.6	0.0028868	-0.005	-0.0016667	0	0.0028868
1e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
5e+12	0.6	0.6	0.6	0	0.595	0.59875	0.6	0.0025	-0.005	-0.00125	0	0.0025
1e+13	0.595	0.59875	0.6	0.0025	0.595	0.59875	0.6	0.0025	-0.005	0	0.005	0.0040825

Device Test: 25.11; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

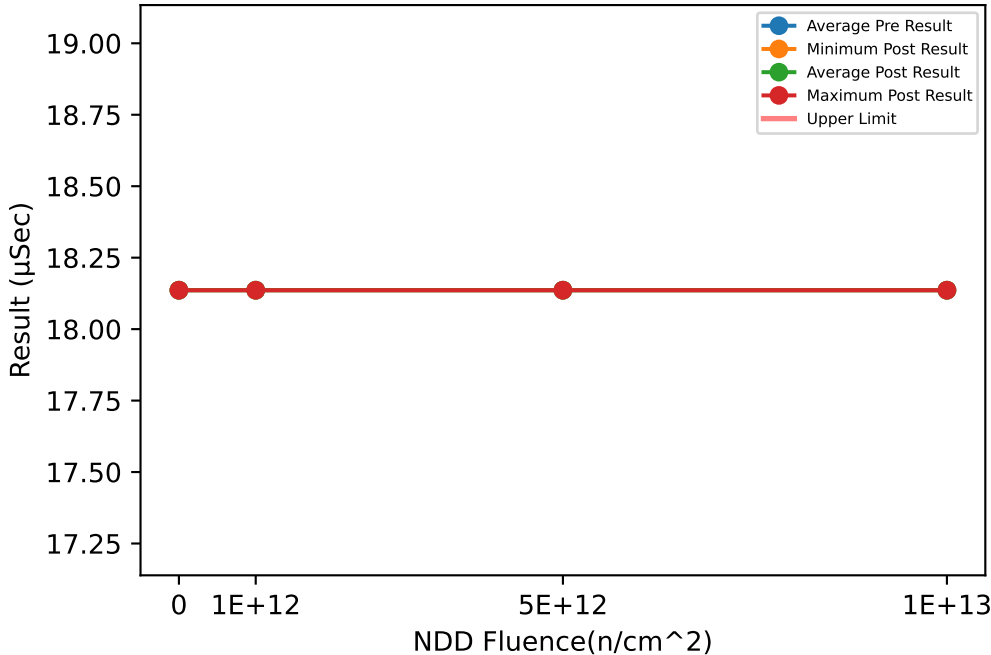
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	18.136	18.136	0
314	1e+12	NDD Unbiased	18.136	18.136	0
315	1e+12	NDD Unbiased	18.136	18.136	0
316	1e+12	NDD Unbiased	18.136	18.136	0
317	5e+12	NDD Unbiased	18.136	18.136	0
318	5e+12	NDD Unbiased	18.136	18.136	0
320	5e+12	NDD Unbiased	18.136	18.136	0
321	5e+12	NDD Unbiased	18.136	18.136	0
322	1e+13	NDD Unbiased	18.136	18.136	0
323	1e+13	NDD Unbiased	18.136	18.136	0
324	1e+13	NDD Unbiased	18.136	18.136	0
325	1e+13	NDD Unbiased	18.136	18.136	0
326	0	Correlation	18.136	18.136	0
327	0	Correlation	18.136	18.136	0
328	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

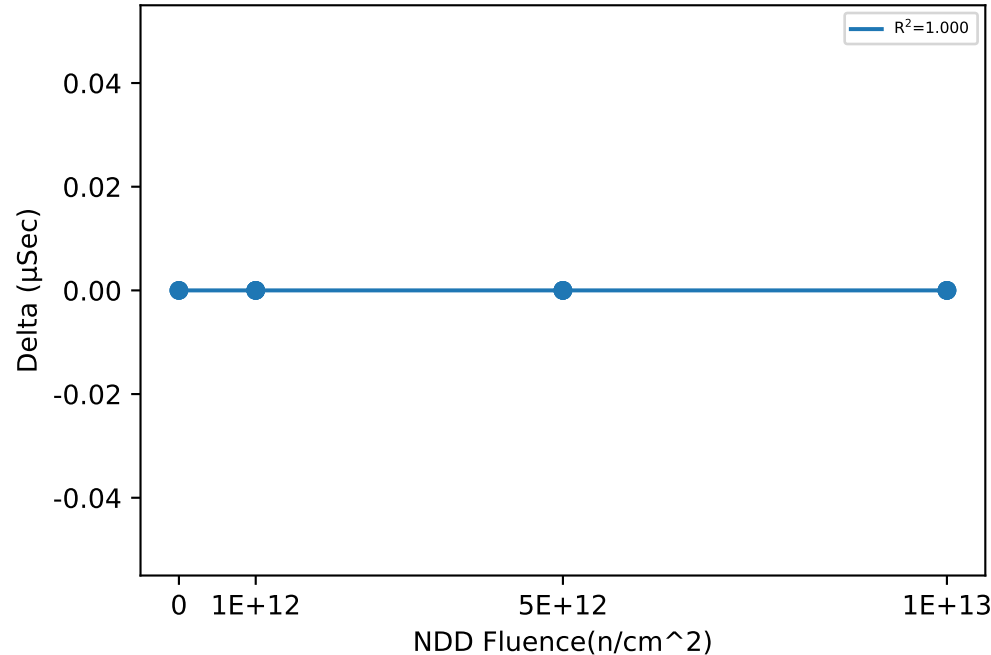
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+12	18.136	18.136	18.136	0	18.136	18.136	18.136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

Device Test: 25.12; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

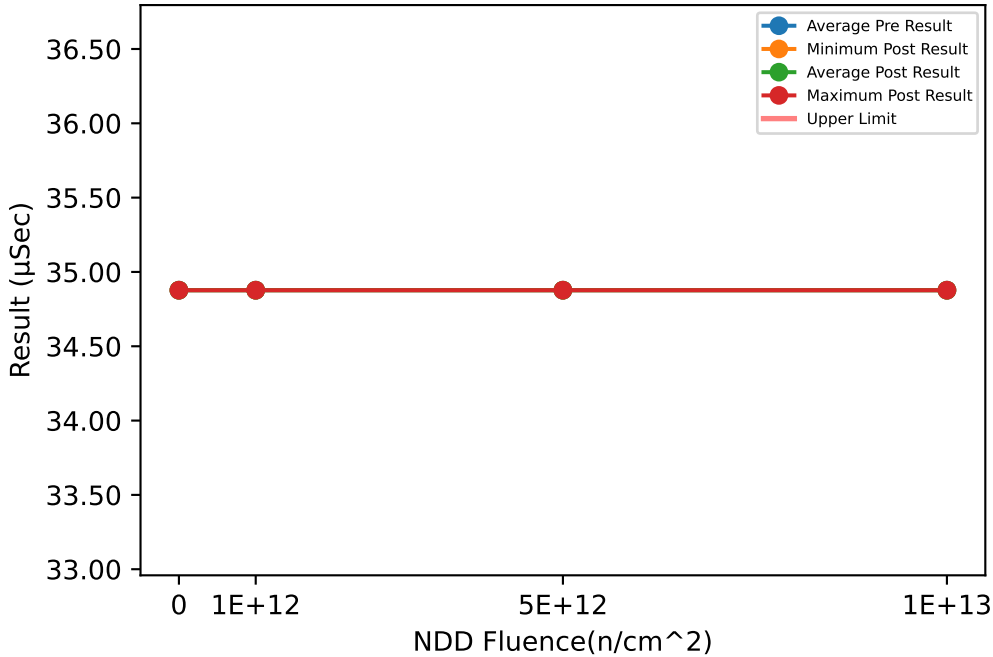
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	18.136	18.136	0
314	1e+12	NDD Unbiased	18.136	18.136	0
315	1e+12	NDD Unbiased	18.136	18.136	0
316	1e+12	NDD Unbiased	18.136	18.136	0
317	5e+12	NDD Unbiased	18.136	18.136	0
318	5e+12	NDD Unbiased	18.136	18.136	0
320	5e+12	NDD Unbiased	18.136	18.136	0
321	5e+12	NDD Unbiased	18.136	18.136	0
322	1e+13	NDD Unbiased	18.136	18.136	0
323	1e+13	NDD Unbiased	18.136	18.136	0
324	1e+13	NDD Unbiased	18.136	18.136	0
325	1e+13	NDD Unbiased	18.136	18.136	0
326	0	Correlation	18.136	18.136	0
327	0	Correlation	18.136	18.136	0
328	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

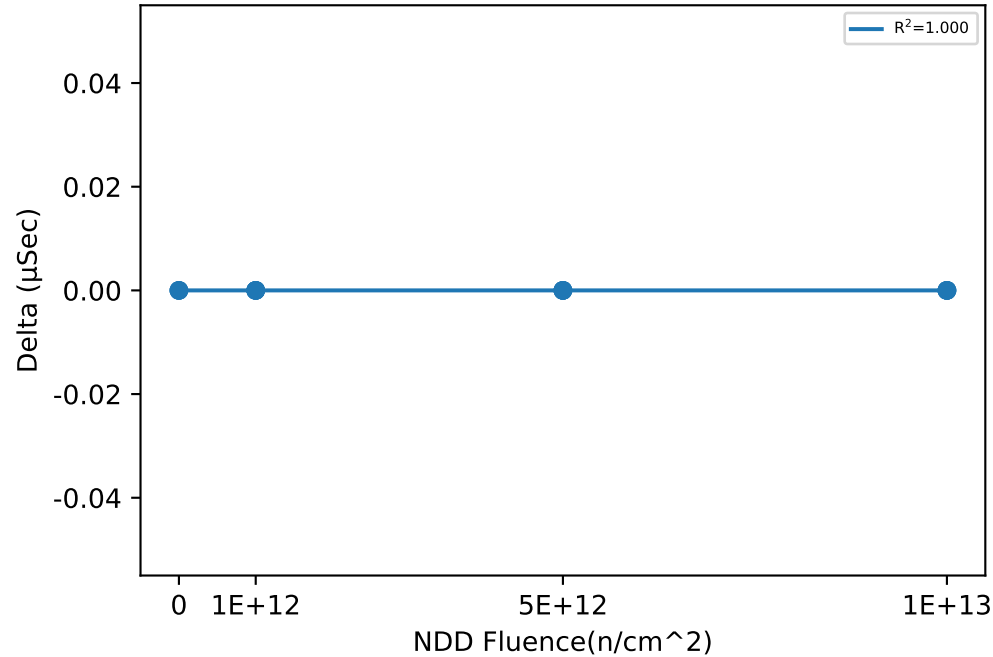
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
1e+12	18.136	18.136	18.136	0	18.136	18.136	18.136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

Device Test: 25.13; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

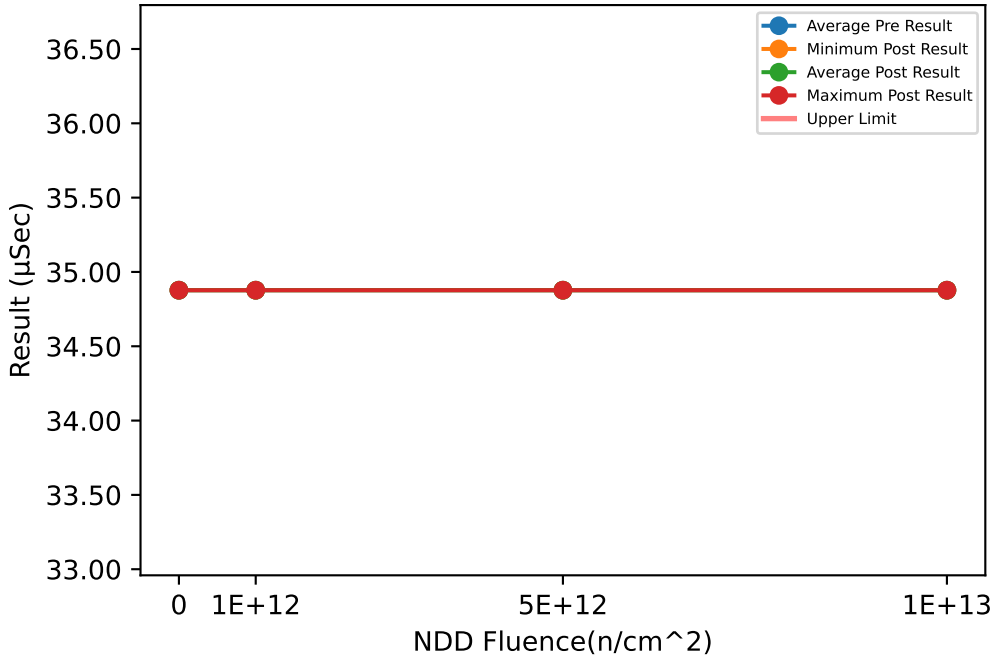
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	34.877	34.877	0
314	1e+12	NDD Unbiased	34.877	34.877	0
315	1e+12	NDD Unbiased	34.877	34.877	0
316	1e+12	NDD Unbiased	34.877	34.877	0
317	5e+12	NDD Unbiased	34.877	34.877	0
318	5e+12	NDD Unbiased	34.877	34.877	0
320	5e+12	NDD Unbiased	34.877	34.877	0
321	5e+12	NDD Unbiased	34.877	34.877	0
322	1e+13	NDD Unbiased	34.877	34.877	0
323	1e+13	NDD Unbiased	34.877	34.877	0
324	1e+13	NDD Unbiased	34.877	34.877	0
325	1e+13	NDD Unbiased	34.877	34.877	0
326	0	Correlation	34.877	34.877	0
327	0	Correlation	34.877	34.877	0
328	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

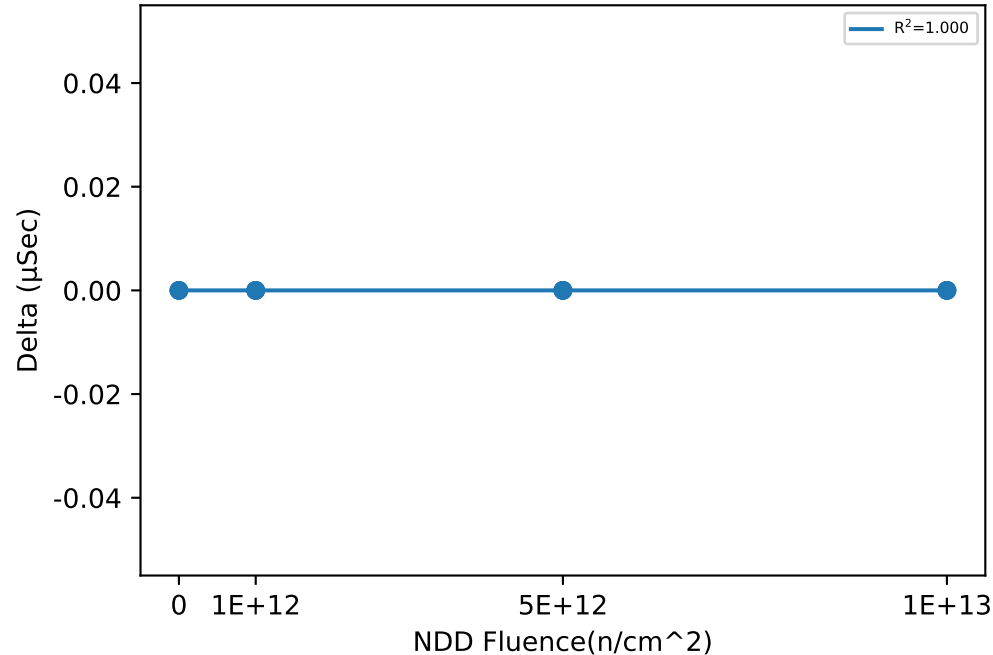
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+12	34.877	34.877	34.877	0	34.877	34.877	34.877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

Device Test: 25.14; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

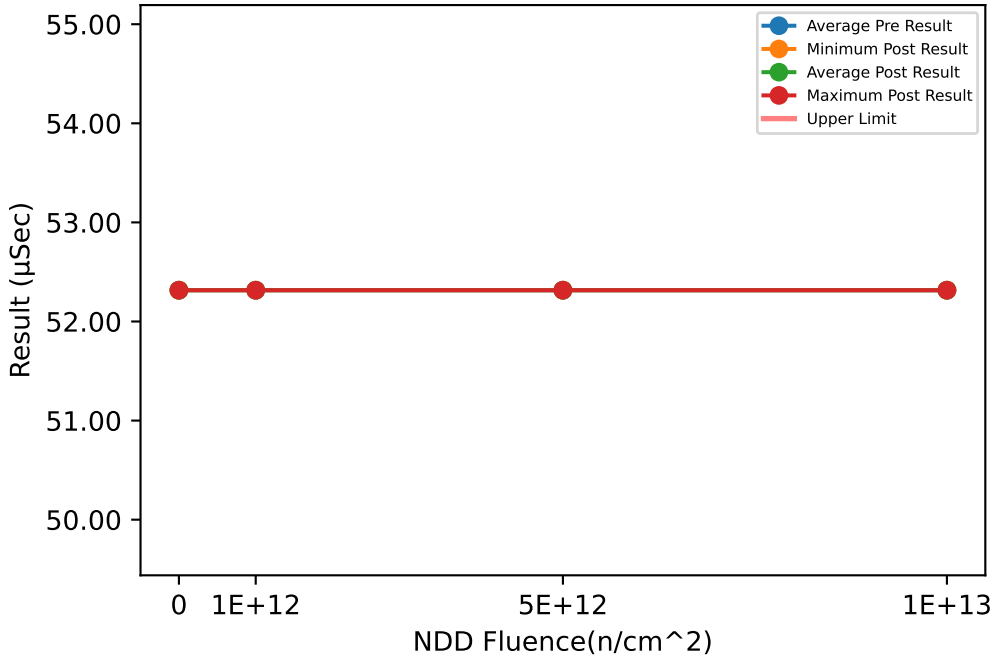
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	34.877	34.877	0
314	1e+12	NDD Unbiased	34.877	34.877	0
315	1e+12	NDD Unbiased	34.877	34.877	0
316	1e+12	NDD Unbiased	34.877	34.877	0
317	5e+12	NDD Unbiased	34.877	34.877	0
318	5e+12	NDD Unbiased	34.877	34.877	0
320	5e+12	NDD Unbiased	34.877	34.877	0
321	5e+12	NDD Unbiased	34.877	34.877	0
322	1e+13	NDD Unbiased	34.877	34.877	0
323	1e+13	NDD Unbiased	34.877	34.877	0
324	1e+13	NDD Unbiased	34.877	34.877	0
325	1e+13	NDD Unbiased	34.877	34.877	0
326	0	Correlation	34.877	34.877	0
327	0	Correlation	34.877	34.877	0
328	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

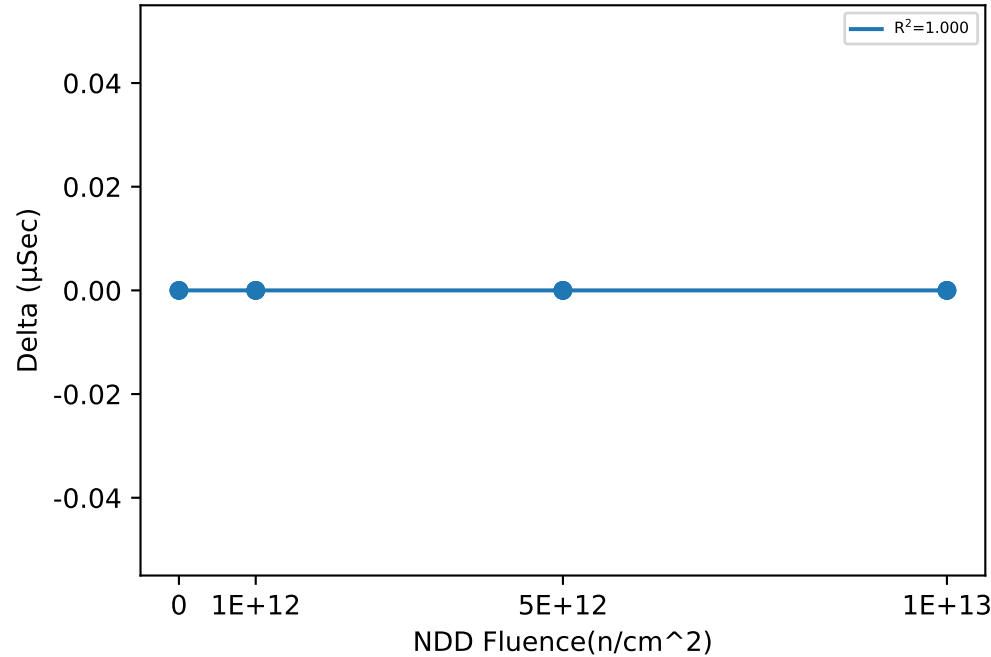
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
1e+12	34.877	34.877	34.877	0	34.877	34.877	34.877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

Device Test: 25.15; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

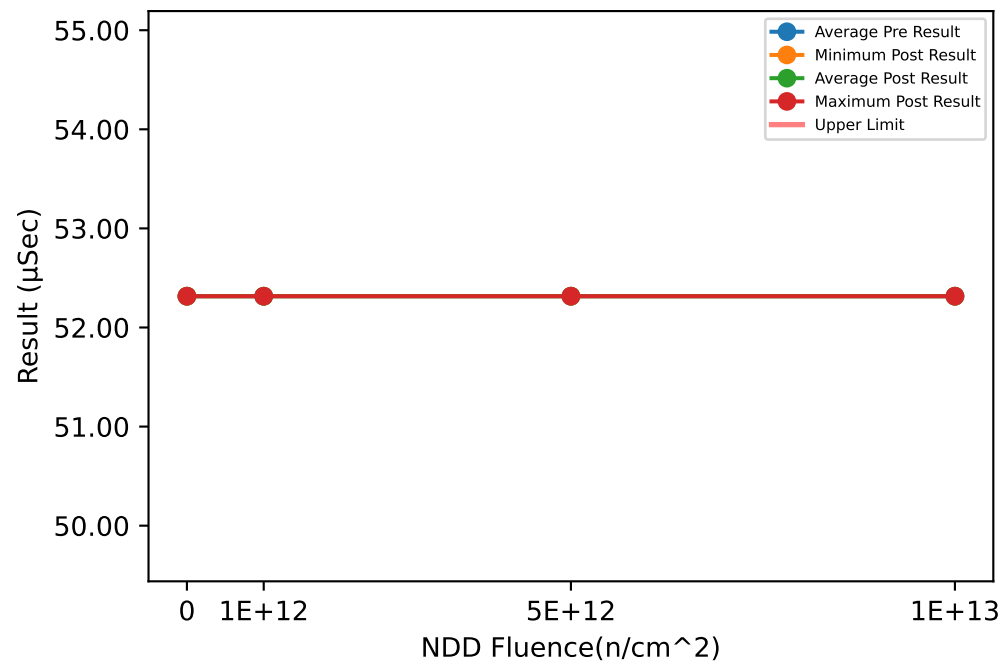
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	52.316	52.316	0
314	1e+12	NDD Unbiased	52.316	52.316	0
315	1e+12	NDD Unbiased	52.316	52.316	0
316	1e+12	NDD Unbiased	52.316	52.316	0
317	5e+12	NDD Unbiased	52.316	52.316	0
318	5e+12	NDD Unbiased	52.316	52.316	0
320	5e+12	NDD Unbiased	52.316	52.316	0
321	5e+12	NDD Unbiased	52.316	52.316	0
322	1e+13	NDD Unbiased	52.316	52.316	0
323	1e+13	NDD Unbiased	52.316	52.316	0
324	1e+13	NDD Unbiased	52.316	52.316	0
325	1e+13	NDD Unbiased	52.316	52.316	0
326	0	Correlation	52.316	52.316	0
327	0	Correlation	52.316	52.316	0
328	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

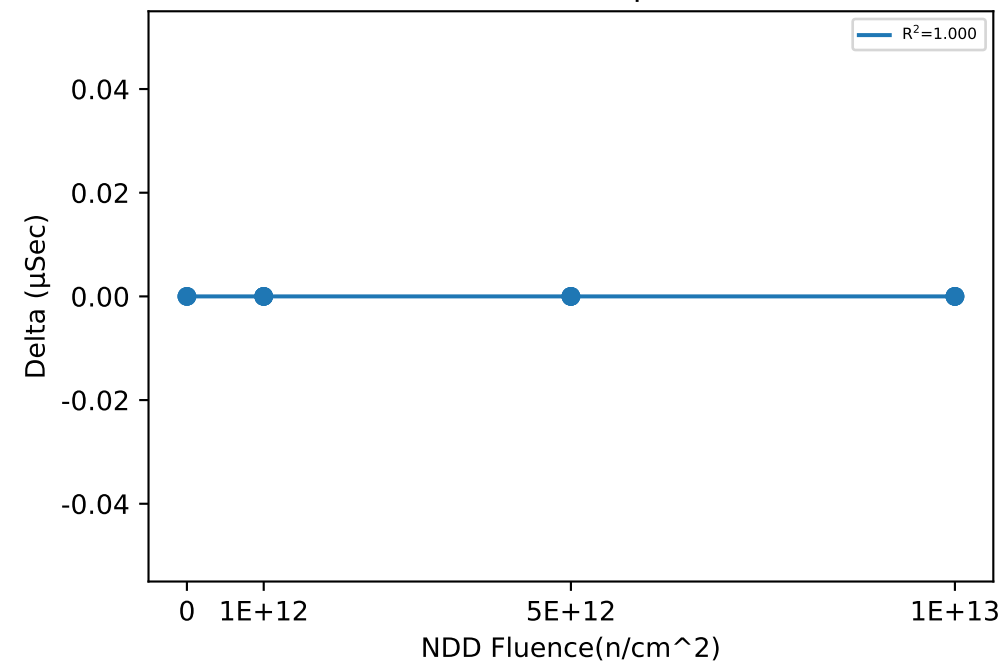
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+12	52.316	52.316	52.316	0	52.316	52.316	52.316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

Device Test: 25.16; WDI_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

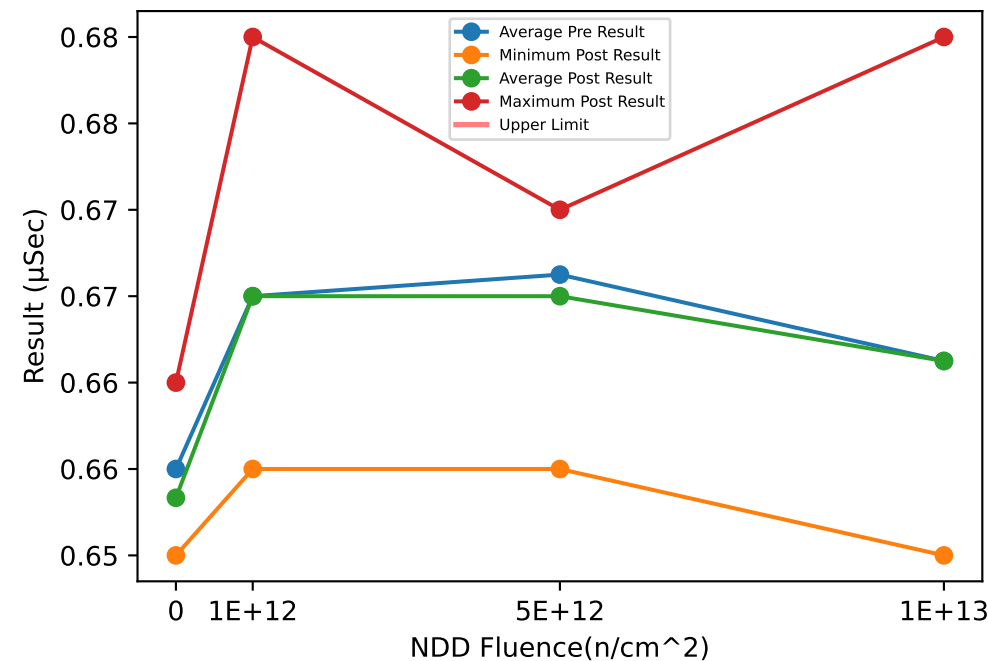
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	52.316	52.316	0
314	1e+12	NDD Unbiased	52.316	52.316	0
315	1e+12	NDD Unbiased	52.316	52.316	0
316	1e+12	NDD Unbiased	52.316	52.316	0
317	5e+12	NDD Unbiased	52.316	52.316	0
318	5e+12	NDD Unbiased	52.316	52.316	0
320	5e+12	NDD Unbiased	52.316	52.316	0
321	5e+12	NDD Unbiased	52.316	52.316	0
322	1e+13	NDD Unbiased	52.316	52.316	0
323	1e+13	NDD Unbiased	52.316	52.316	0
324	1e+13	NDD Unbiased	52.316	52.316	0
325	1e+13	NDD Unbiased	52.316	52.316	0
326	0	Correlation	52.316	52.316	0
327	0	Correlation	52.316	52.316	0
328	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

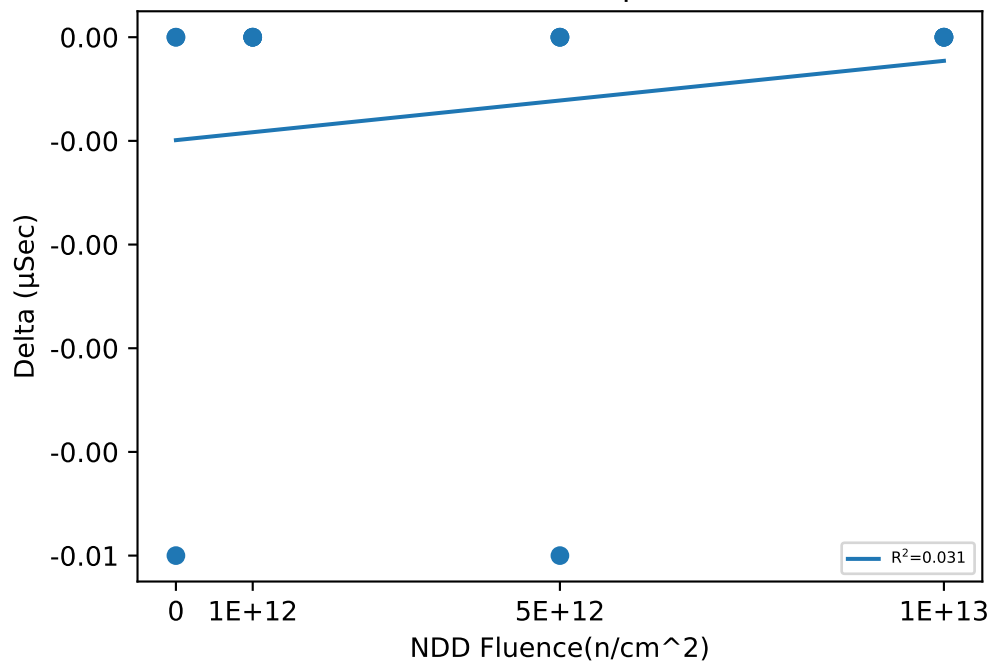
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
1e+12	52.316	52.316	52.316	0	52.316	52.316	52.316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

Device Test: 25.2; SR_UVLO_HT

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

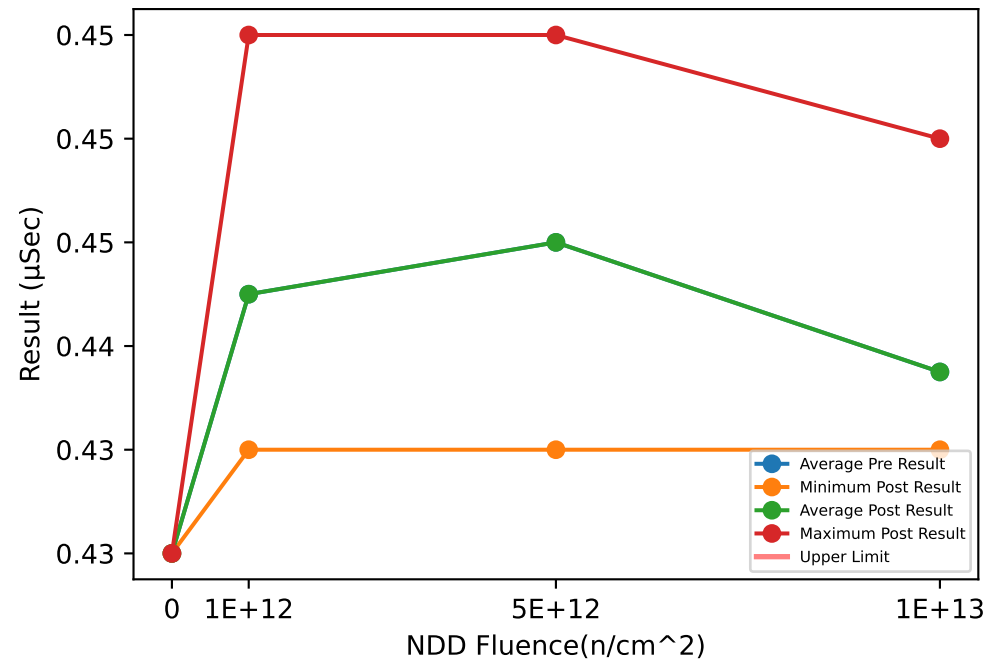
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.68	0.68	0
314	1e+12	NDD Unbiased	0.66	0.66	0
315	1e+12	NDD Unbiased	0.655	0.655	0
316	1e+12	NDD Unbiased	0.665	0.665	0
317	5e+12	NDD Unbiased	0.67	0.67	0
318	5e+12	NDD Unbiased	0.665	0.665	0
320	5e+12	NDD Unbiased	0.67	0.67	0
321	5e+12	NDD Unbiased	0.66	0.655	-0.005
322	1e+13	NDD Unbiased	0.68	0.68	0
323	1e+13	NDD Unbiased	0.66	0.66	0
324	1e+13	NDD Unbiased	0.655	0.655	0
325	1e+13	NDD Unbiased	0.65	0.65	0
326	0	Correlation	0.665	0.66	-0.005
327	0	Correlation	0.65	0.65	0
328	0	Correlation	0.65	0.65	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.65	0.655	0.665	0.0086603	0.65	0.65333	0.66	0.0057735	-0.005	-0.0016667	0	0.0028868
1e+12	0.655	0.665	0.68	0.010801	0.655	0.665	0.68	0.010801	0	0	0	0
5e+12	0.66	0.66625	0.67	0.0047871	0.655	0.665	0.67	0.0070711	-0.005	-0.00125	0	0.0025
1e+13	0.65	0.66125	0.68	0.01315	0.65	0.66125	0.68	0.01315	0	0	0	0

Device Test: 25.3; SENSE_F_HT_PP

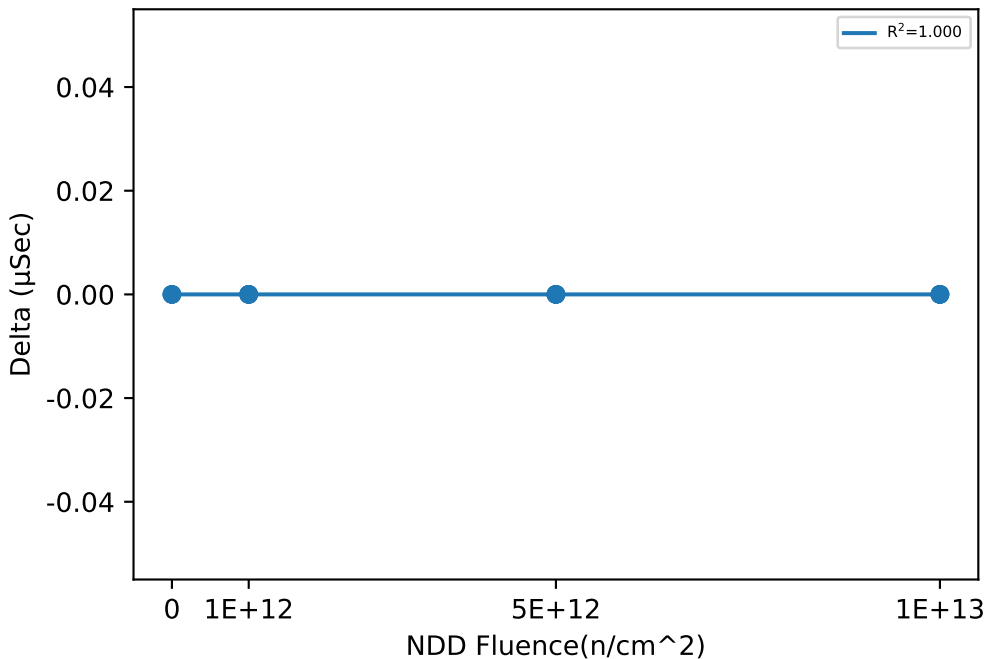
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.455	0.455	0
314	1e+12	NDD Unbiased	0.44	0.44	0
315	1e+12	NDD Unbiased	0.435	0.435	0
316	1e+12	NDD Unbiased	0.44	0.44	0
317	5e+12	NDD Unbiased	0.455	0.455	0
318	5e+12	NDD Unbiased	0.445	0.445	0
320	5e+12	NDD Unbiased	0.445	0.445	0
321	5e+12	NDD Unbiased	0.435	0.435	0
322	1e+13	NDD Unbiased	0.45	0.45	0
323	1e+13	NDD Unbiased	0.435	0.435	0
324	1e+13	NDD Unbiased	0.435	0.435	0
325	1e+13	NDD Unbiased	0.435	0.435	0
326	0	Correlation	0.43	0.43	0
327	0	Correlation	0.43	0.43	0
328	0	Correlation	0.43	0.43	0

NDD vs Post - Pre Exposure Delta

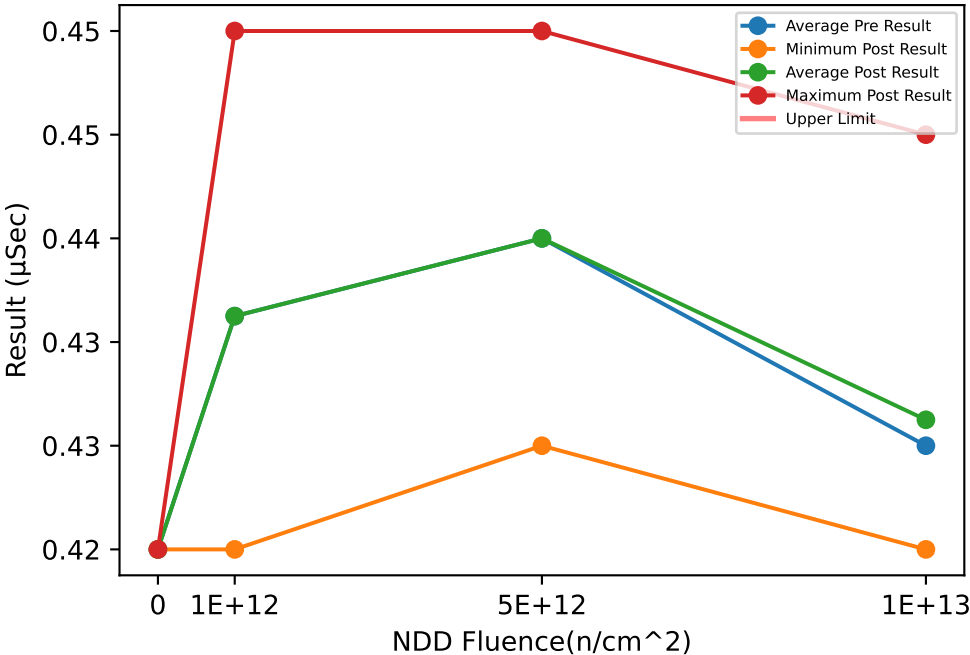


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.43	0.43	0.43	0	0.43	0.43	0.43	0	0	0	0	0
1e+12	0.435	0.4425	0.455	0.0086603	0.435	0.4425	0.455	0.0086603	0	0	0	0
5e+12	0.435	0.445	0.455	0.008165	0.435	0.445	0.455	0.008165	0	0	0	0
1e+13	0.435	0.43875	0.45	0.0075	0.435	0.43875	0.45	0.0075	0	0	0	0

Device Test: 25.4; SENSE_F_HT_PP

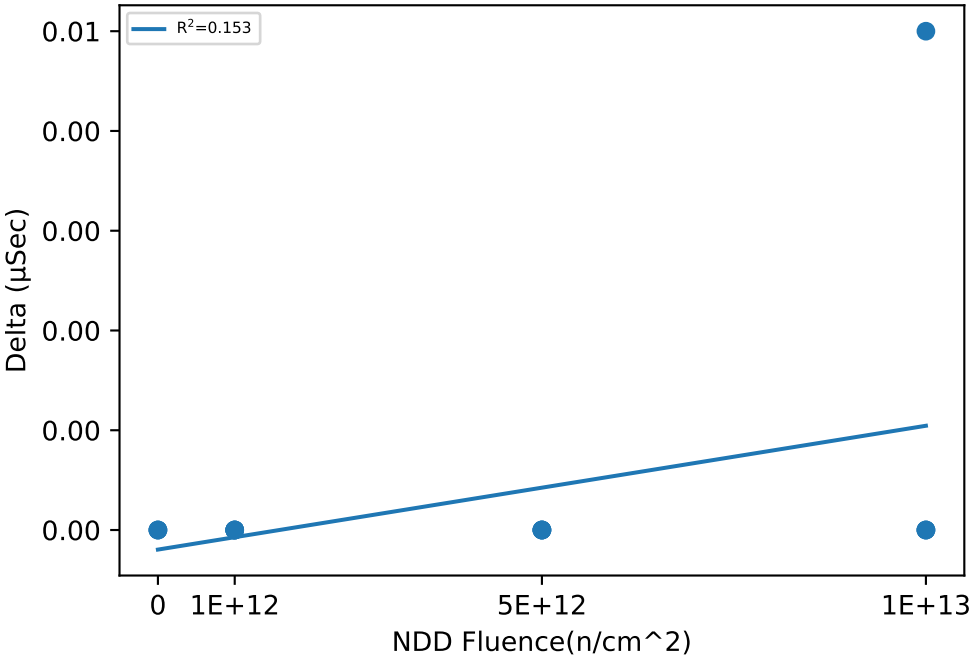
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.45	0.45	0
314	1e+12	NDD Unbiased	0.435	0.435	0
315	1e+12	NDD Unbiased	0.425	0.425	0
316	1e+12	NDD Unbiased	0.435	0.435	0
317	5e+12	NDD Unbiased	0.45	0.45	0
318	5e+12	NDD Unbiased	0.44	0.44	0
320	5e+12	NDD Unbiased	0.44	0.44	0
321	5e+12	NDD Unbiased	0.43	0.43	0
322	1e+13	NDD Unbiased	0.44	0.445	0.005
323	1e+13	NDD Unbiased	0.43	0.43	0
324	1e+13	NDD Unbiased	0.425	0.425	0
325	1e+13	NDD Unbiased	0.425	0.425	0
326	0	Correlation	0.425	0.425	0
327	0	Correlation	0.425	0.425	0
328	0	Correlation	0.425	0.425	0

NDD vs Post - Pre Exposure Delta

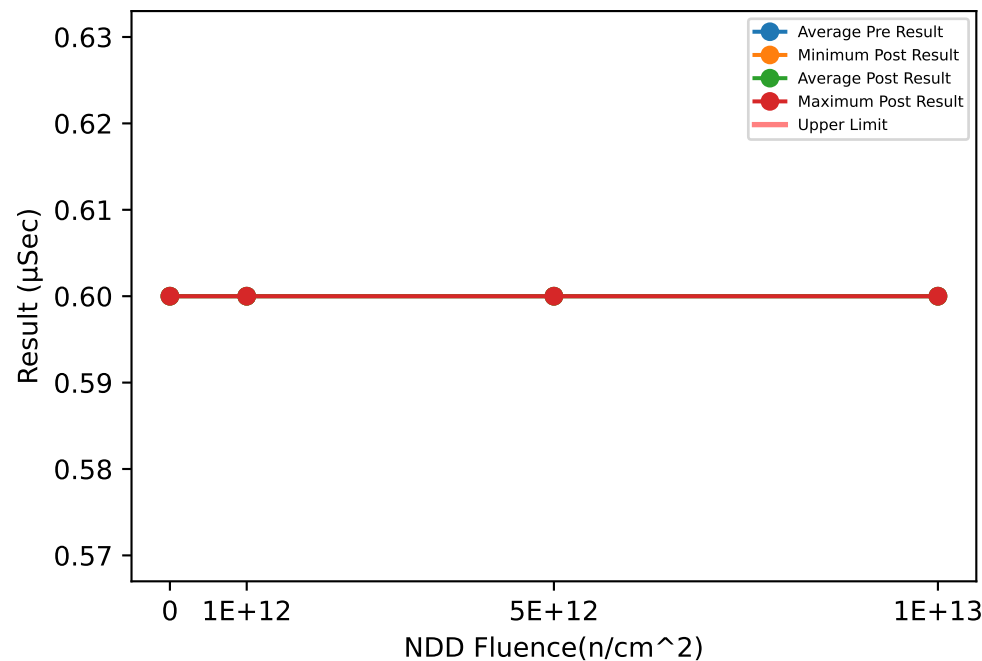


Test Statistics (µSec)

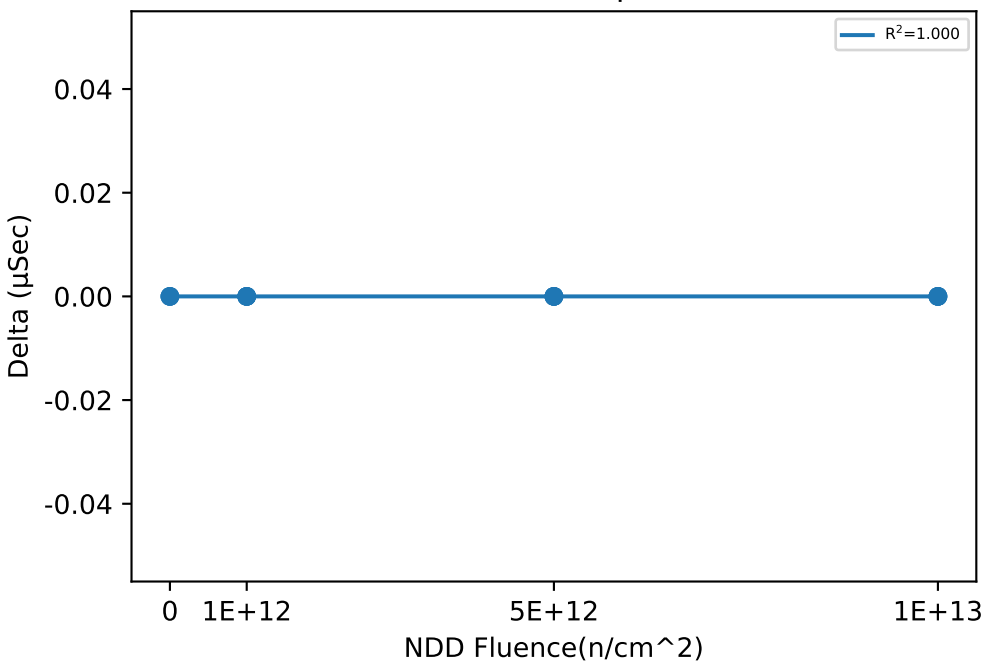
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.425	0.425	0.425	0	0.425	0.425	0.425	0	0	0	0	0
1e+12	0.425	0.43625	0.45	0.010308	0.425	0.43625	0.45	0.010308	0	0	0	0
5e+12	0.43	0.44	0.45	0.008165	0.43	0.44	0.45	0.008165	0	0	0	0
1e+13	0.425	0.43	0.44	0.0070711	0.425	0.43125	0.445	0.0094648	0	0.00125	0.005	0.0025

Device Test: 25.5; SENSE_F_HT_PP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

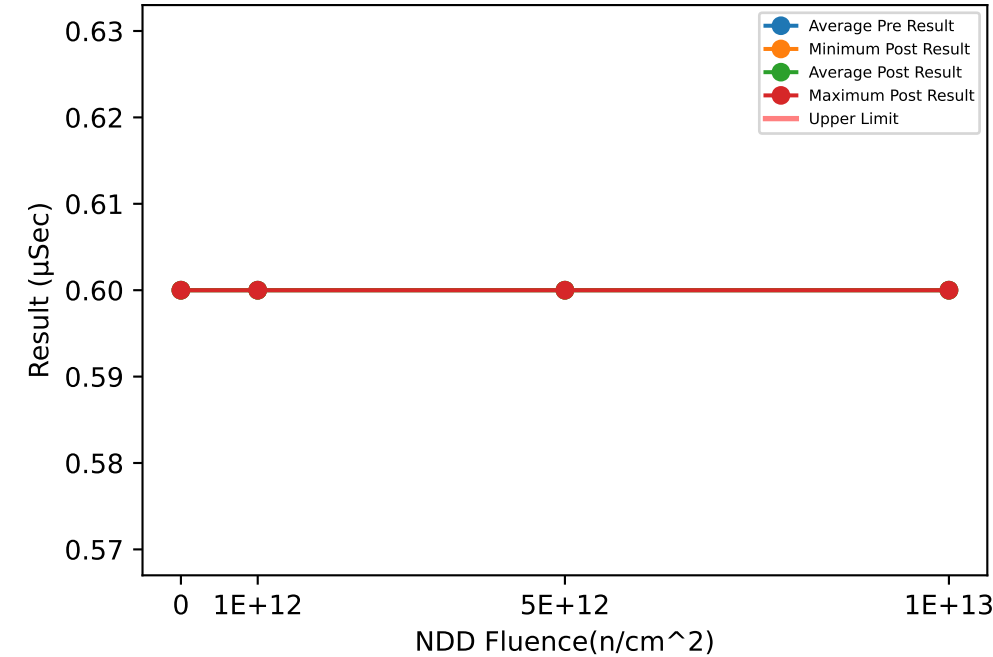
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6	0.6	0
314	1e+12	NDD Unbiased	0.6	0.6	0
315	1e+12	NDD Unbiased	0.6	0.6	0
316	1e+12	NDD Unbiased	0.6	0.6	0
317	5e+12	NDD Unbiased	0.6	0.6	0
318	5e+12	NDD Unbiased	0.6	0.6	0
320	5e+12	NDD Unbiased	0.6	0.6	0
321	5e+12	NDD Unbiased	0.6	0.6	0
322	1e+13	NDD Unbiased	0.6	0.6	0
323	1e+13	NDD Unbiased	0.6	0.6	0
324	1e+13	NDD Unbiased	0.6	0.6	0
325	1e+13	NDD Unbiased	0.6	0.6	0
326	0	Correlation	0.6	0.6	0
327	0	Correlation	0.6	0.6	0
328	0	Correlation	0.6	0.6	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
5e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+13	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 25.6; SENSE_F_HT_PP

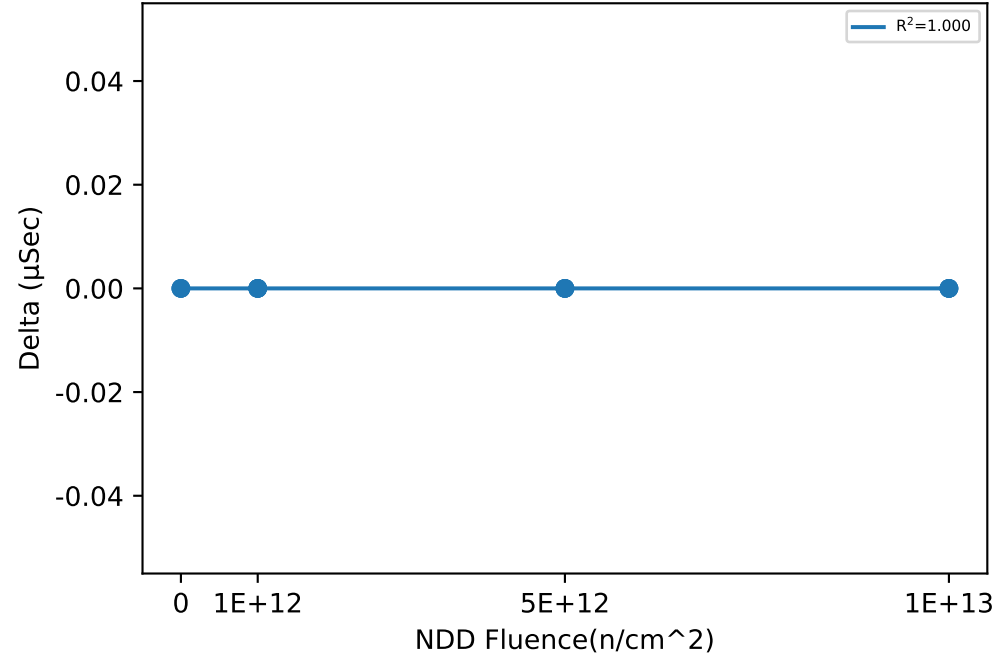
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6	0.6	0
314	1e+12	NDD Unbiased	0.6	0.6	0
315	1e+12	NDD Unbiased	0.6	0.6	0
316	1e+12	NDD Unbiased	0.6	0.6	0
317	5e+12	NDD Unbiased	0.6	0.6	0
318	5e+12	NDD Unbiased	0.6	0.6	0
320	5e+12	NDD Unbiased	0.6	0.6	0
321	5e+12	NDD Unbiased	0.6	0.6	0
322	1e+13	NDD Unbiased	0.6	0.6	0
323	1e+13	NDD Unbiased	0.6	0.6	0
324	1e+13	NDD Unbiased	0.6	0.6	0
325	1e+13	NDD Unbiased	0.6	0.6	0
326	0	Correlation	0.6	0.6	0
327	0	Correlation	0.6	0.6	0
328	0	Correlation	0.6	0.6	0

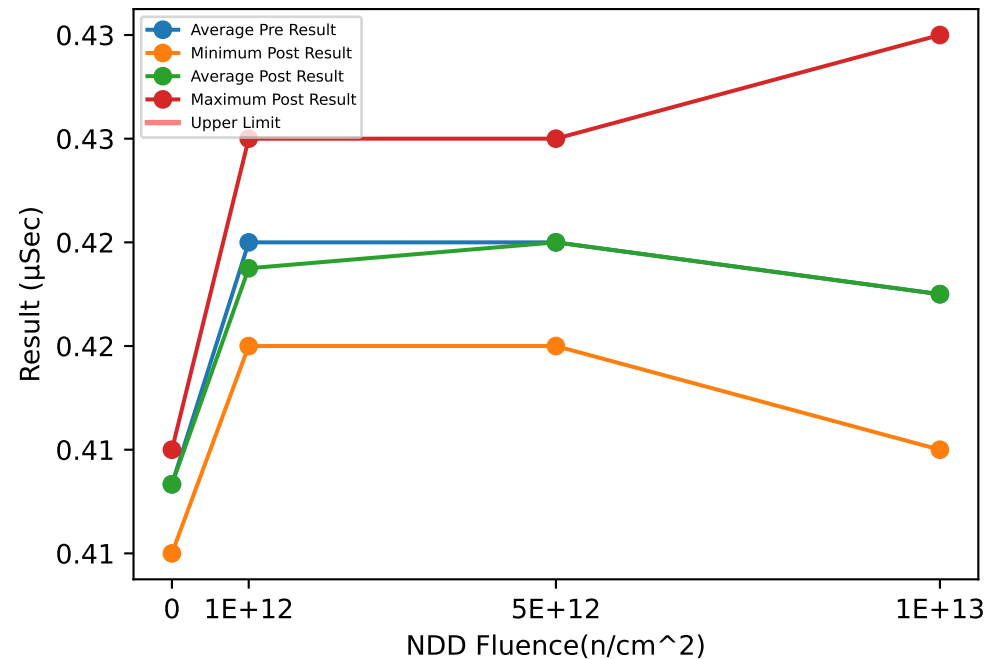
NDD vs Post - Pre Exposure Delta



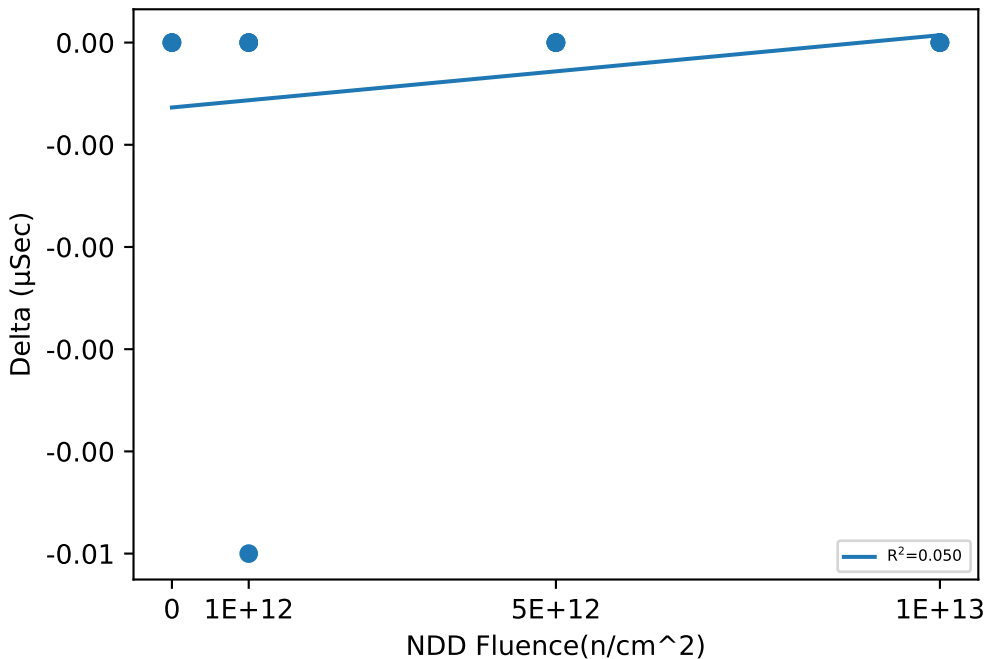
Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
5e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+13	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (No Limits Specified (µSec))

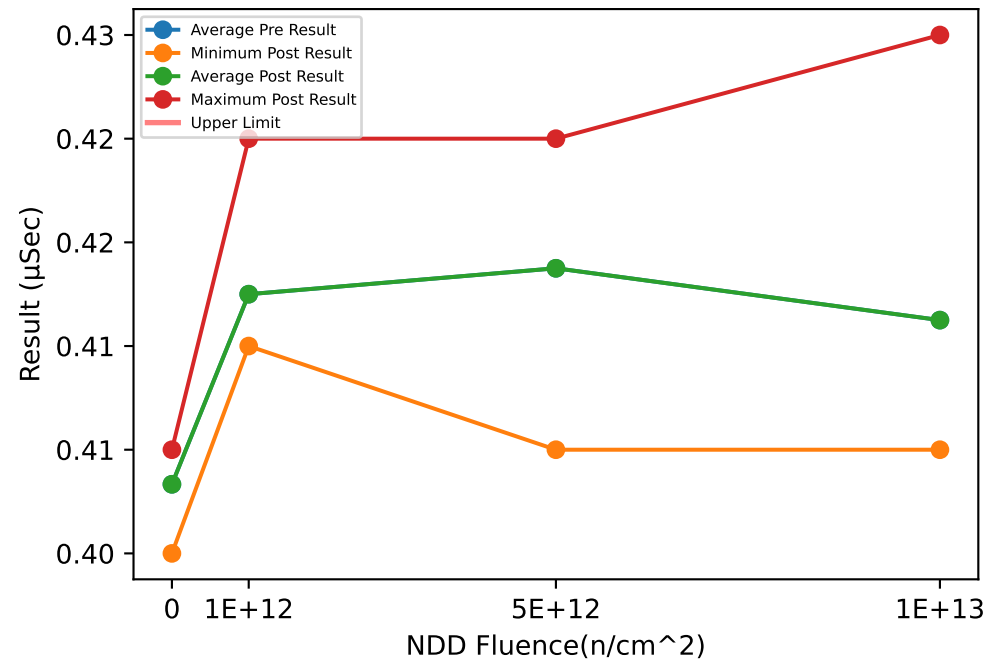
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.43	0.425	-0.005
314	1e+12	NDD Unbiased	0.42	0.42	0
315	1e+12	NDD Unbiased	0.415	0.415	0
316	1e+12	NDD Unbiased	0.415	0.415	0
317	5e+12	NDD Unbiased	0.425	0.425	0
318	5e+12	NDD Unbiased	0.42	0.42	0
320	5e+12	NDD Unbiased	0.42	0.42	0
321	5e+12	NDD Unbiased	0.415	0.415	0
322	1e+13	NDD Unbiased	0.43	0.43	0
323	1e+13	NDD Unbiased	0.415	0.415	0
324	1e+13	NDD Unbiased	0.41	0.41	0
325	1e+13	NDD Unbiased	0.415	0.415	0
326	0	Correlation	0.41	0.41	0
327	0	Correlation	0.41	0.41	0
328	0	Correlation	0.405	0.405	0

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.405	0.40833	0.41	0.0028868	0.405	0.40833	0.41	0.0028868	0	0	0	0
1e+12	0.415	0.42	0.43	0.0070711	0.415	0.41875	0.425	0.0047871	-0.005	-0.00125	0	0.0025
5e+12	0.415	0.42	0.425	0.0040825	0.415	0.42	0.425	0.0040825	0	0	0	0
1e+13	0.41	0.4175	0.43	0.0086603	0.41	0.4175	0.43	0.0086603	0	0	0	0

Device Test: 25.8; SENSE_F_HT_PP

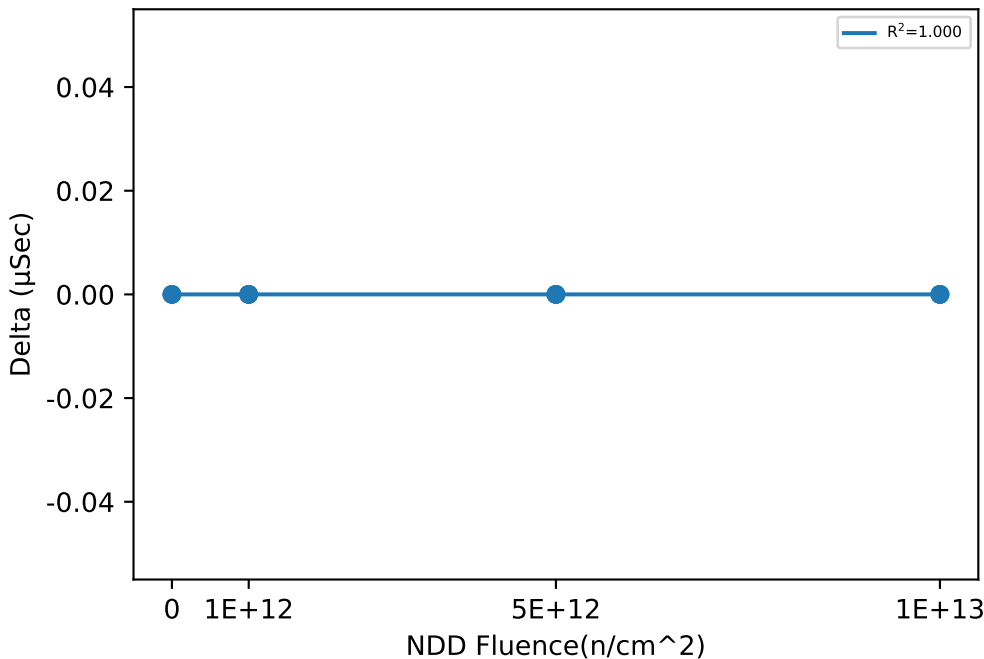
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.42	0.42	0
314	1e+12	NDD Unbiased	0.41	0.41	0
315	1e+12	NDD Unbiased	0.41	0.41	0
316	1e+12	NDD Unbiased	0.41	0.41	0
317	5e+12	NDD Unbiased	0.42	0.42	0
318	5e+12	NDD Unbiased	0.415	0.415	0
320	5e+12	NDD Unbiased	0.415	0.415	0
321	5e+12	NDD Unbiased	0.405	0.405	0
322	1e+13	NDD Unbiased	0.425	0.425	0
323	1e+13	NDD Unbiased	0.405	0.405	0
324	1e+13	NDD Unbiased	0.405	0.405	0
325	1e+13	NDD Unbiased	0.41	0.41	0
326	0	Correlation	0.405	0.405	0
327	0	Correlation	0.405	0.405	0
328	0	Correlation	0.4	0.4	0

NDD vs Post - Pre Exposure Delta

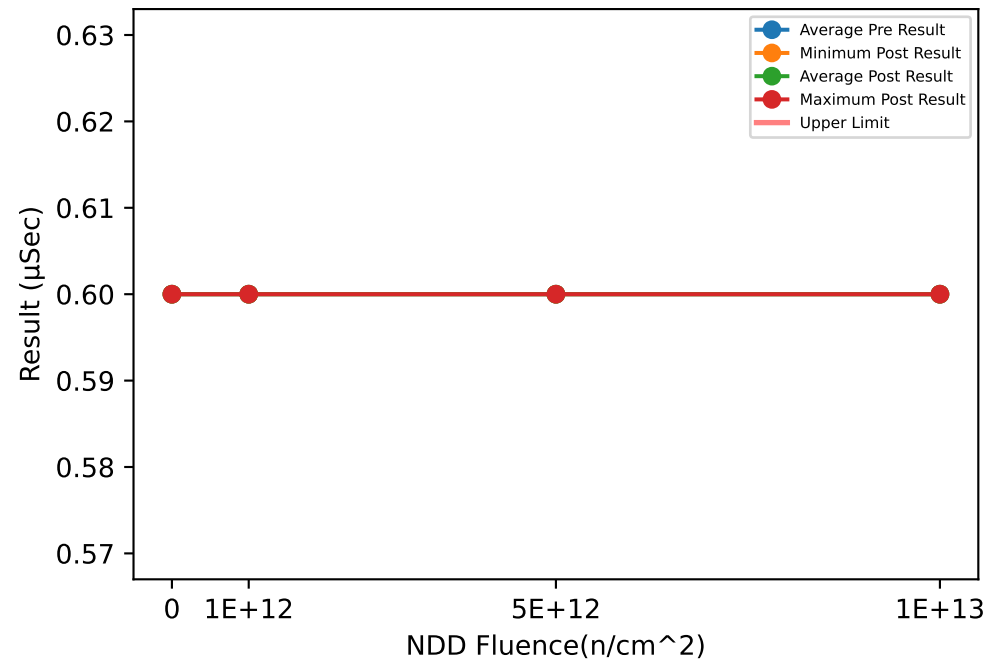


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4	0.40333	0.405	0.0028868	0.4	0.40333	0.405	0.0028868	0	0	0	0
1e+12	0.41	0.4125	0.42	0.005	0.41	0.4125	0.42	0.005	0	0	0	0
5e+12	0.405	0.41375	0.42	0.0062915	0.405	0.41375	0.42	0.0062915	0	0	0	0
1e+13	0.405	0.41125	0.425	0.0094648	0.405	0.41125	0.425	0.0094648	0	0	0	0

Device Test: 25.9; SENSE_F_HT_PP

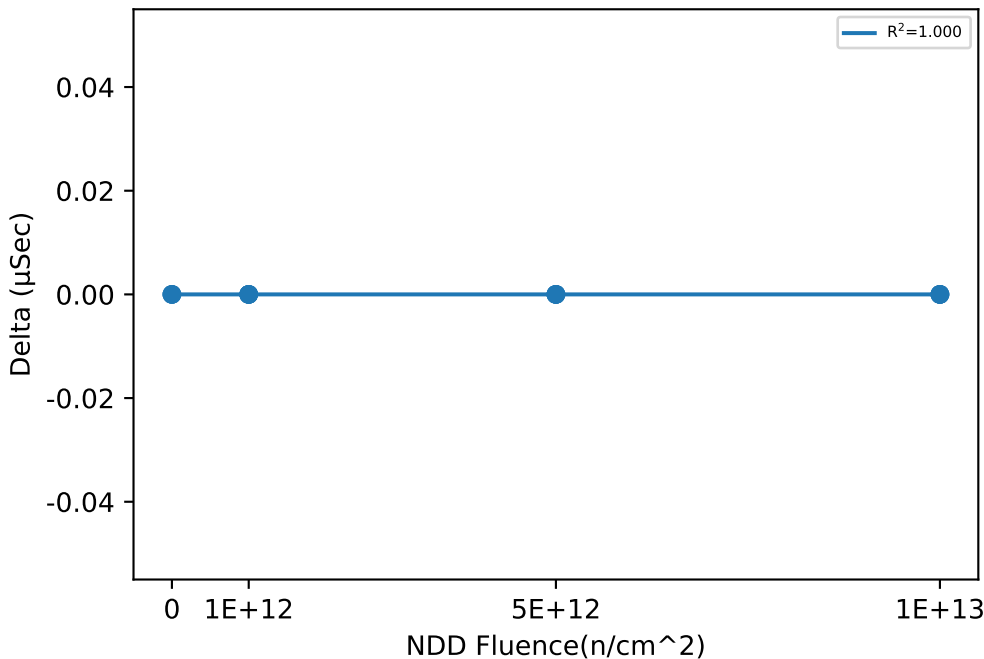
NDD vs Result Stats



Test Results (No Limits Specified (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6	0.6	0
314	1e+12	NDD Unbiased	0.6	0.6	0
315	1e+12	NDD Unbiased	0.6	0.6	0
316	1e+12	NDD Unbiased	0.6	0.6	0
317	5e+12	NDD Unbiased	0.6	0.6	0
318	5e+12	NDD Unbiased	0.6	0.6	0
320	5e+12	NDD Unbiased	0.6	0.6	0
321	5e+12	NDD Unbiased	0.6	0.6	0
322	1e+13	NDD Unbiased	0.6	0.6	0
323	1e+13	NDD Unbiased	0.6	0.6	0
324	1e+13	NDD Unbiased	0.6	0.6	0
325	1e+13	NDD Unbiased	0.6	0.6	0
326	0	Correlation	0.6	0.6	0
327	0	Correlation	0.6	0.6	0
328	0	Correlation	0.6	0.6	0

NDD vs Post - Pre Exposure Delta

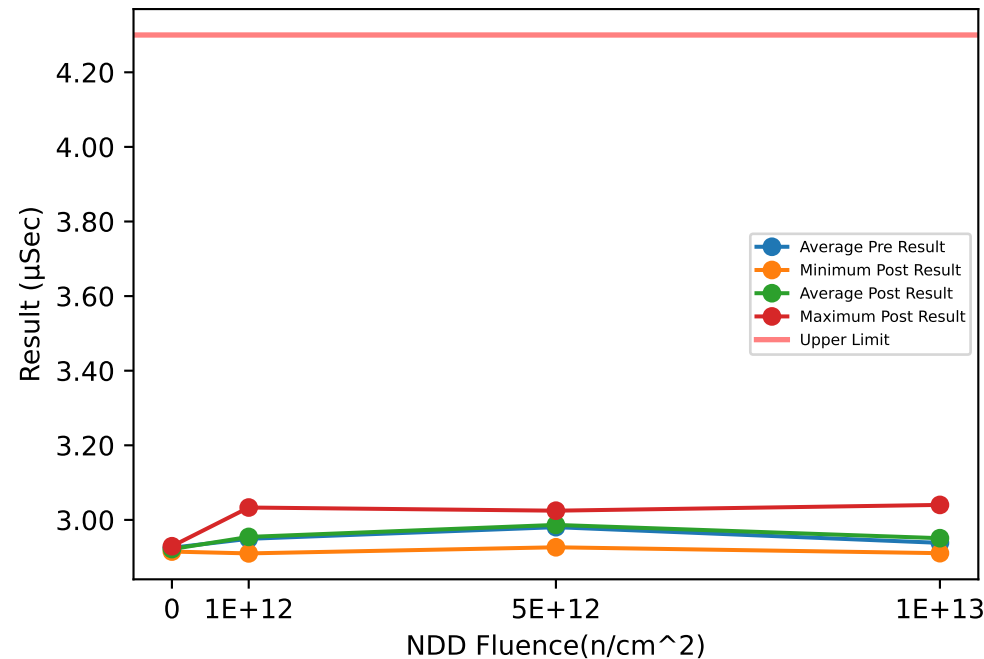


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
5e+12	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
1e+13	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 5.1; PROPD_RESET

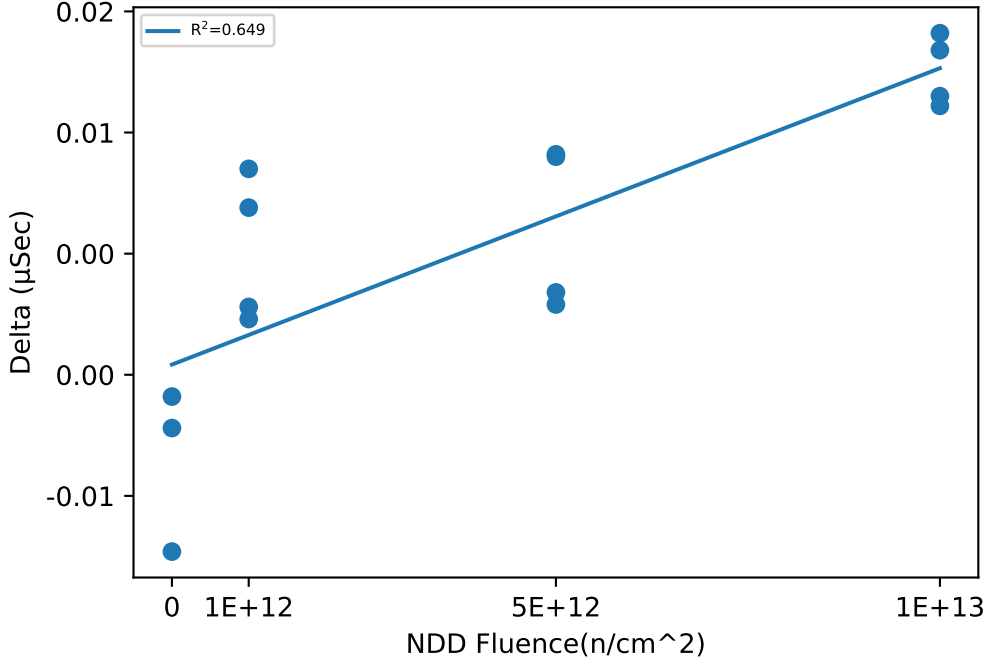
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.0263	3.0332	0.0069
314	1e+12	NDD Unbiased	2.9229	2.9314	0.0085
315	1e+12	NDD Unbiased	2.9074	2.9102	0.0028
316	1e+12	NDD Unbiased	2.9405	2.9428	0.0023
317	5e+12	NDD Unbiased	3.0213	3.0247	0.0034
318	5e+12	NDD Unbiased	2.9929	3.002	0.0091
320	5e+12	NDD Unbiased	2.9841	2.9931	0.009
321	5e+12	NDD Unbiased	2.9237	2.9266	0.0029
322	1e+13	NDD Unbiased	3.0291	3.0402	0.0111
323	1e+13	NDD Unbiased	2.9253	2.9368	0.0115
324	1e+13	NDD Unbiased	2.9019	2.916	0.0141
325	1e+13	NDD Unbiased	2.8974	2.9108	0.0134
326	0	Correlation	2.9316	2.9294	-0.0022
327	0	Correlation	2.9218	2.9209	-0.0009
328	0	Correlation	2.9224	2.9151	-0.0073

NDD vs Post - Pre Exposure Delta

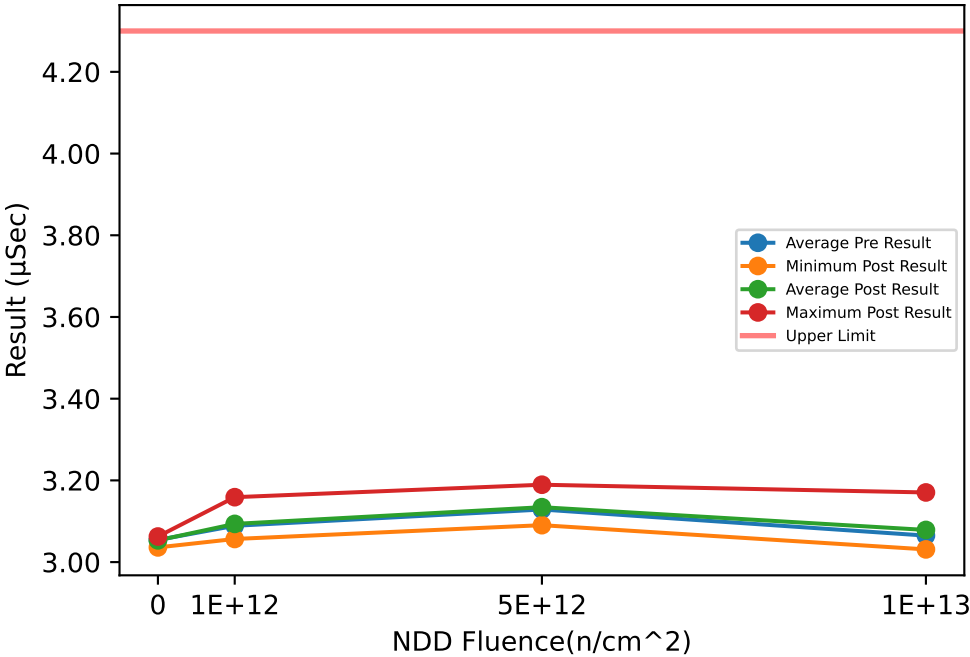


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9218	2.9253	2.9316	0.005493	2.9151	2.9218	2.9294	0.0071924	-0.0073	-0.0034667	-0.0009	0.0033828
1e+12	2.9074	2.9493	3.0263	0.053101	2.9102	2.9544	3.0332	0.054242	0.0023	0.005125	0.0085	0.0030511
5e+12	2.9237	2.9805	3.0213	0.041059	2.9266	2.9866	3.0247	0.042155	0.0029	0.0061	0.0091	0.0034127
1e+13	2.8974	2.9384	3.0291	0.061675	2.9108	2.9509	3.0402	0.060551	0.0111	0.012525	0.0141	0.0014523

Device Test: 5.10; PROPD_RESET

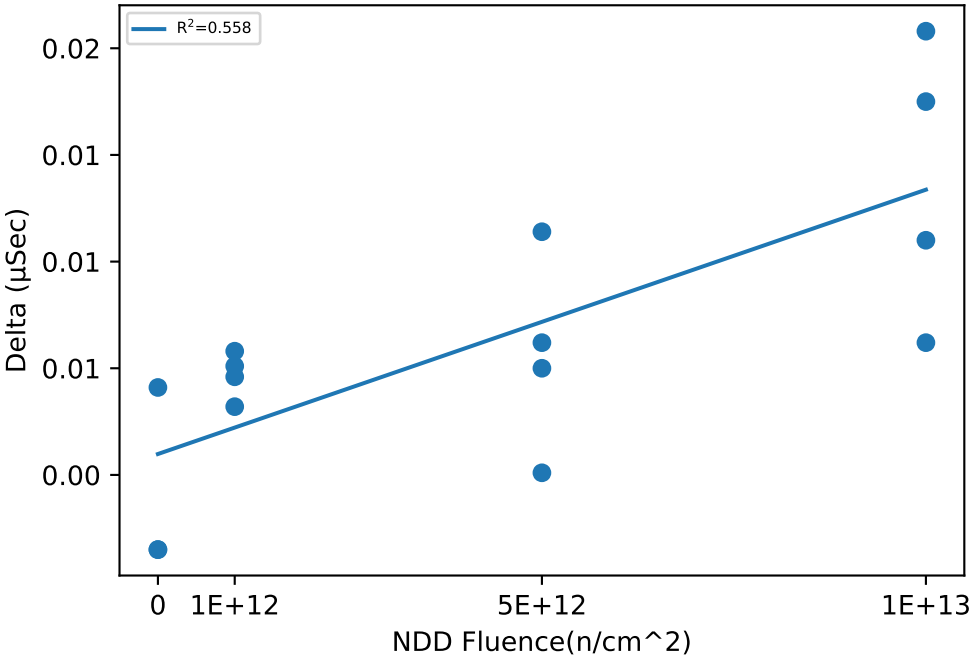
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.1543	3.1589	0.0046
314	1e+12	NDD Unbiased	3.0587	3.0645	0.0058
315	1e+12	NDD Unbiased	3.0515	3.0566	0.0051
316	1e+12	NDD Unbiased	3.0909	3.0941	0.0032
317	5e+12	NDD Unbiased	3.178	3.1894	0.0114
318	5e+12	NDD Unbiased	3.1348	3.1349	0.0001
320	5e+12	NDD Unbiased	3.1179	3.1229	0.005
321	5e+12	NDD Unbiased	3.0842	3.0904	0.0062
322	1e+13	NDD Unbiased	3.153	3.1705	0.0175
323	1e+13	NDD Unbiased	3.0249	3.0311	0.0062
324	1e+13	NDD Unbiased	3.0582	3.079	0.0208
325	1e+13	NDD Unbiased	3.0233	3.0343	0.011
326	0	Correlation	3.057	3.0611	0.0041
327	0	Correlation	3.0395	3.036	-0.0035
328	0	Correlation	3.0661	3.0626	-0.0035

NDD vs Post - Pre Exposure Delta

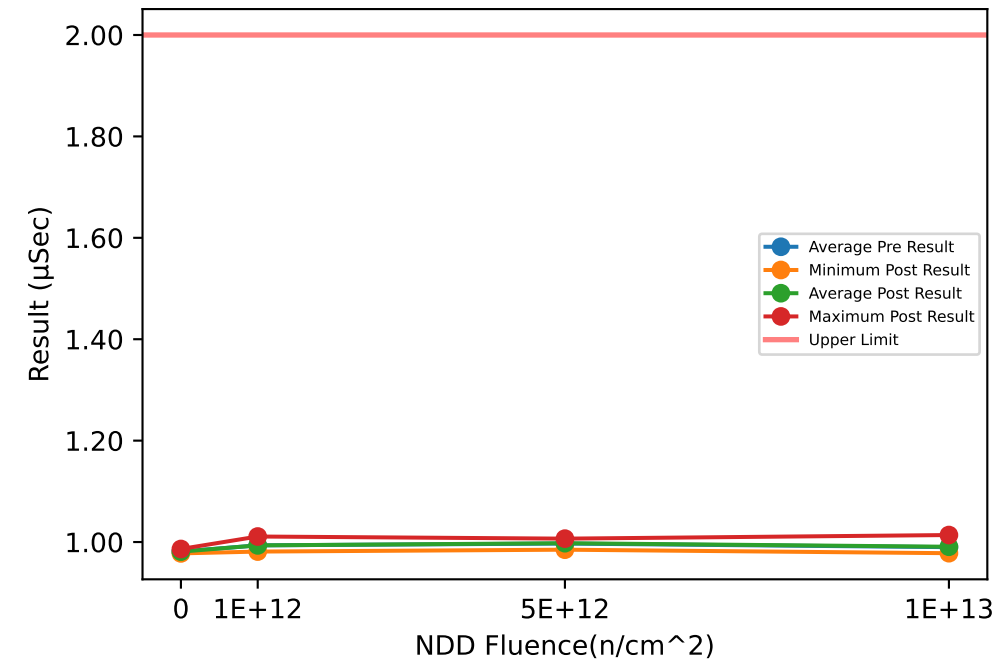


Test Statistics (µSec)

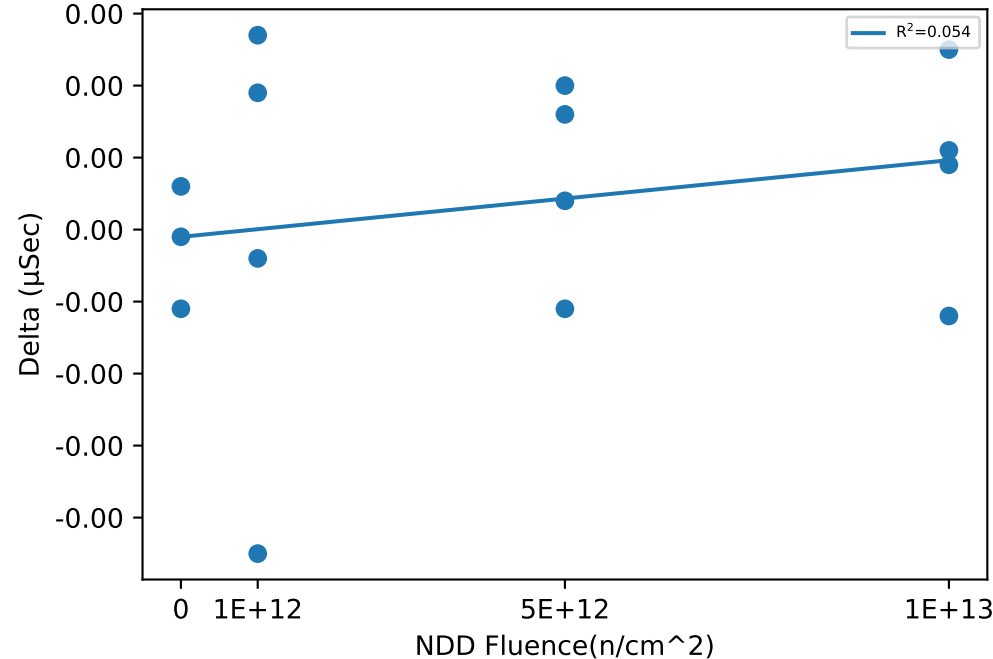
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0395	3.0542	3.0661	0.013519	3.036	3.0532	3.0626	0.014943	-0.0035	-0.00096667	0.0041	0.0043879
1e+12	3.0515	3.0888	3.1543	0.046876	3.0566	3.0935	3.1589	0.046476	0.0032	0.004675	0.0058	0.0010996
5e+12	3.0842	3.1287	3.178	0.039007	3.0904	3.1344	3.1894	0.041205	0.0001	0.005675	0.0114	0.00464
1e+13	3.0233	3.0648	3.153	0.060929	3.0311	3.0787	3.1705	0.064973	0.0062	0.013875	0.0208	0.0065388

Device Test: 5.105; PROPD_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (µSec))

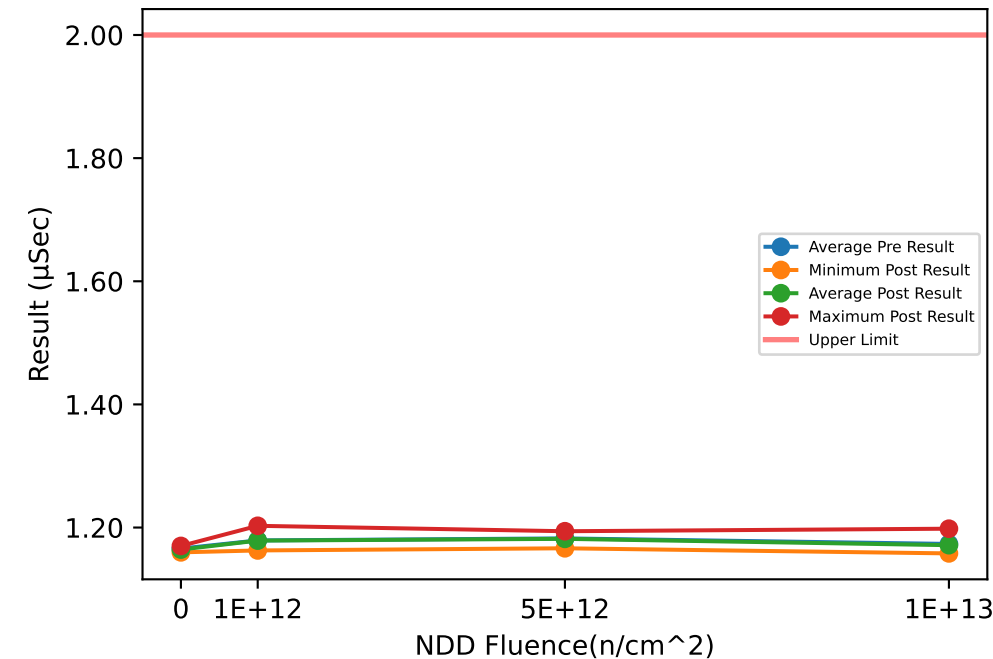
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0154	1.0109	-0.0045
314	1e+12	NDD Unbiased	0.9842	0.9869	0.0027
315	1e+12	NDD Unbiased	0.9793	0.9812	0.0019
316	1e+12	NDD Unbiased	0.995	0.9946	-0.0004
317	5e+12	NDD Unbiased	1.0063	1.0067	0.0004
318	5e+12	NDD Unbiased	0.9985	1.0001	0.0016
320	5e+12	NDD Unbiased	1.0003	0.9992	-0.0011
321	5e+12	NDD Unbiased	0.9829	0.9849	0.002
322	1e+13	NDD Unbiased	1.015	1.0138	-0.0012
323	1e+13	NDD Unbiased	0.9868	0.9893	0.0025
324	1e+13	NDD Unbiased	0.9807	0.9818	0.0011
325	1e+13	NDD Unbiased	0.9771	0.978	0.0009
326	0	Correlation	0.9857	0.9863	0.0006
327	0	Correlation	0.9804	0.9793	-0.0011
328	0	Correlation	0.9777	0.9776	-0.0001

Test Statistics (µSec)

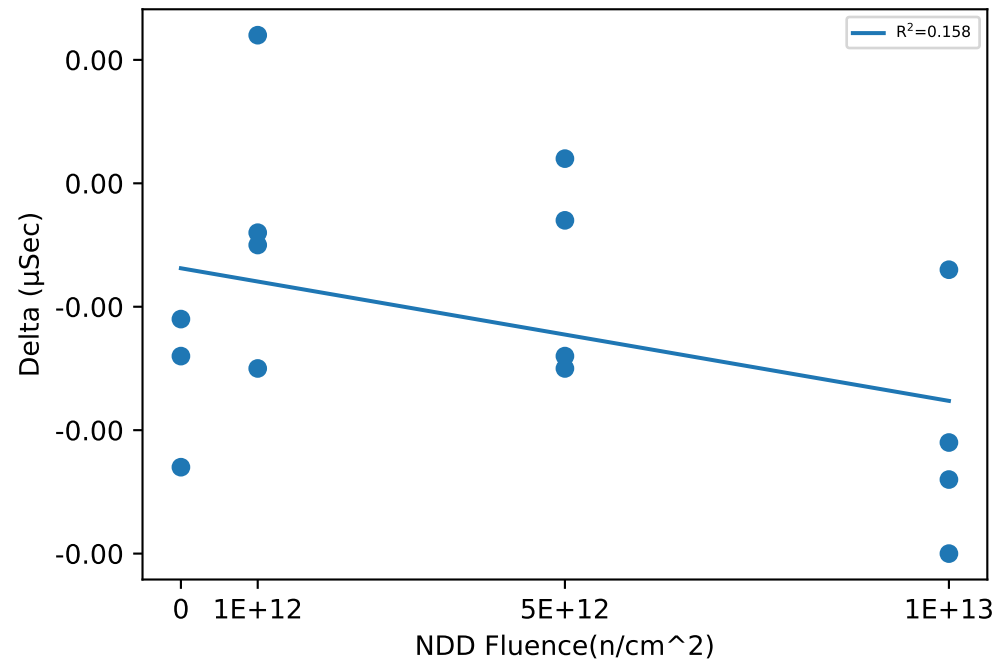
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9777	0.98127	0.9857	0.0040698	0.9776	0.98107	0.9863	0.0046112	-0.0011	-0.0002	0.0006	0.0008544
1e+12	0.9793	0.99347	1.0154	0.016021	0.9812	0.9934	1.0109	0.012894	-0.0045	-7.5e-05	0.0027	0.0032294
5e+12	0.9829	0.997	1.0063	0.009974	0.9849	0.99772	1.0067	0.0091806	-0.0011	0.000725	0.002	0.0013937
1e+13	0.9771	0.9899	1.015	0.017206	0.978	0.99072	1.0138	0.016084	-0.0012	0.000825	0.0025	0.0015262

Device Test: 5.106; PROPD_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (µSec))

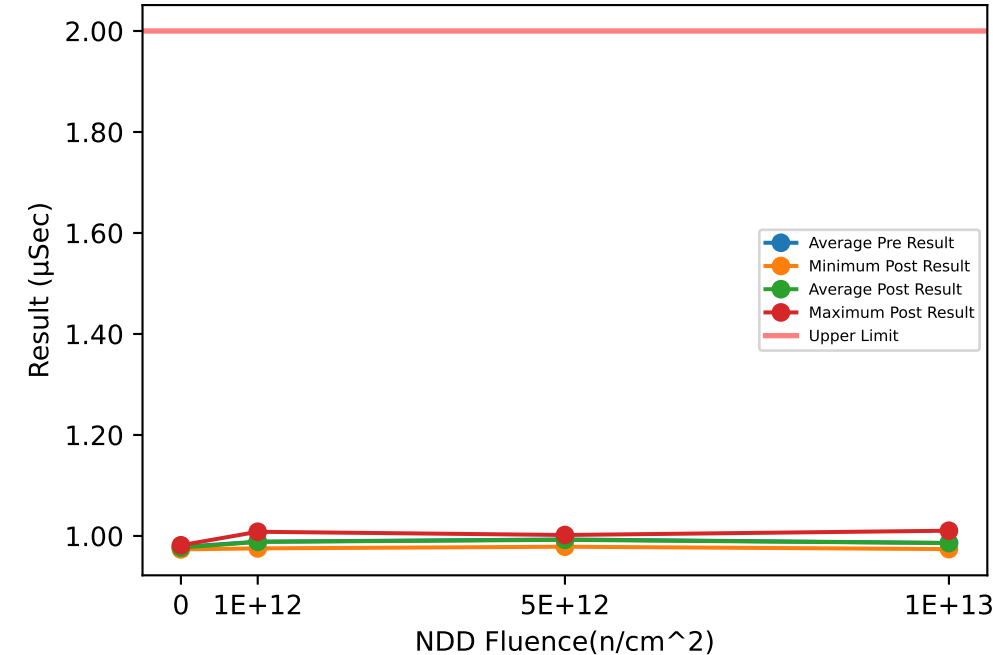
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2016	1.2028	0.0012
314	1e+12	NDD Unbiased	1.1708	1.1704	-0.0004
315	1e+12	NDD Unbiased	1.1643	1.1628	-0.0015
316	1e+12	NDD Unbiased	1.1796	1.1791	-0.0005
317	5e+12	NDD Unbiased	1.1943	1.194	-0.0003
318	5e+12	NDD Unbiased	1.1831	1.1833	0.0002
320	5e+12	NDD Unbiased	1.1844	1.1829	-0.0015
321	5e+12	NDD Unbiased	1.1677	1.1663	-0.0014
322	1e+13	NDD Unbiased	1.2002	1.1981	-0.0021
323	1e+13	NDD Unbiased	1.1694	1.167	-0.0024
324	1e+13	NDD Unbiased	1.163	1.1623	-0.0007
325	1e+13	NDD Unbiased	1.161	1.158	-0.003
326	0	Correlation	1.1712	1.1701	-0.0011
327	0	Correlation	1.1643	1.1629	-0.0014
328	0	Correlation	1.162	1.1597	-0.0023

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.162	1.1658	1.1712	0.0047878	1.1597	1.1642	1.1701	0.0053267	-0.0023	-0.0016	-0.0011	0.0006245
1e+12	1.1643	1.1791	1.2016	0.016273	1.1628	1.1788	1.2028	0.017346	-0.0015	-0.0003	0.0012	0.0011165
5e+12	1.1677	1.1824	1.1943	0.010988	1.1663	1.1816	1.194	0.011437	-0.0015	-0.00075	0.0002	0.00083467
1e+13	1.161	1.1734	1.2002	0.018222	1.158	1.1713	1.1981	0.018208	-0.003	-0.00205	-0.0007	0.00097468

Device Test: 5.107; PROPD_SR_UVLO

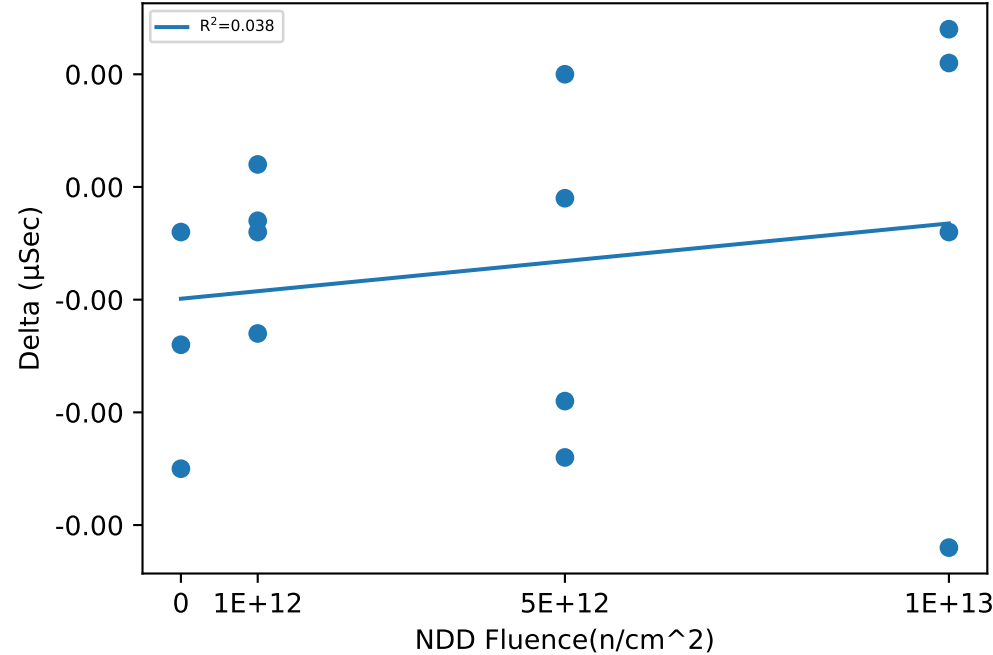
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0087	1.0083	-0.0004
314	1e+12	NDD Unbiased	0.9824	0.9811	-0.0013
315	1e+12	NDD Unbiased	0.9752	0.9754	0.0002
316	1e+12	NDD Unbiased	0.9886	0.9883	-0.0003
317	5e+12	NDD Unbiased	1.0043	1.0019	-0.0024
318	5e+12	NDD Unbiased	0.9954	0.9935	-0.0019
320	5e+12	NDD Unbiased	0.9952	0.9951	-0.0001
321	5e+12	NDD Unbiased	0.9777	0.9787	0.001
322	1e+13	NDD Unbiased	1.0108	1.0104	-0.0004
323	1e+13	NDD Unbiased	0.9826	0.9837	0.0011
324	1e+13	NDD Unbiased	0.9787	0.9755	-0.0032
325	1e+13	NDD Unbiased	0.9726	0.974	0.0014
326	0	Correlation	0.982	0.9816	-0.0004
327	0	Correlation	0.9778	0.9753	-0.0025
328	0	Correlation	0.9748	0.9734	-0.0014

NDD vs Post - Pre Exposure Delta

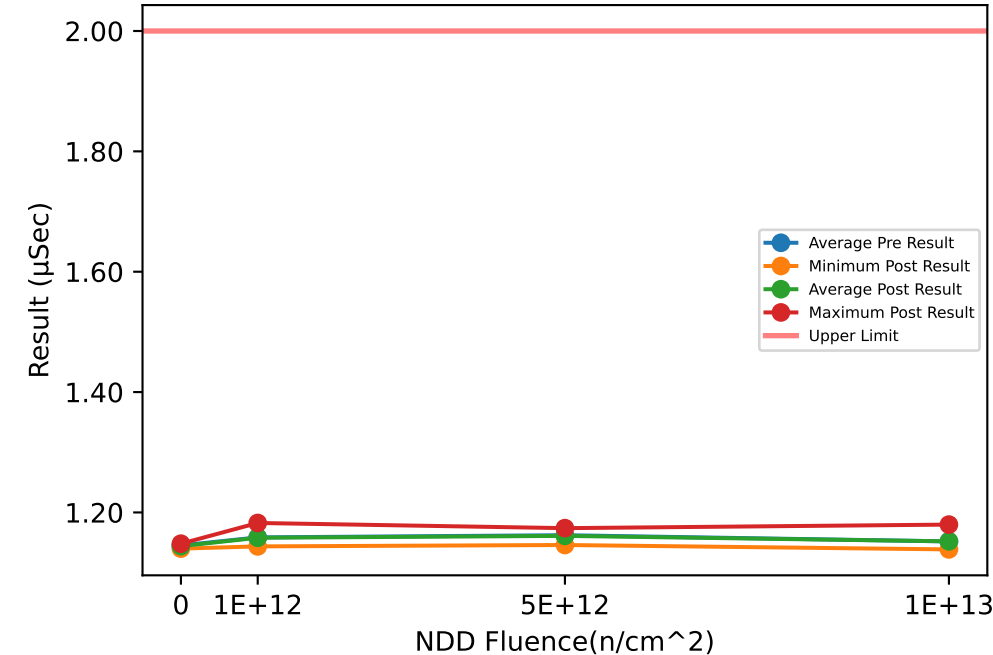


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9748	0.9782	0.982	0.0036166	0.9734	0.97677	0.9816	0.0042922	-0.0025	-0.0014333	-0.0004	0.0010504
1e+12	0.9752	0.98872	1.0087	0.014398	0.9754	0.98828	1.0083	0.014356	-0.0013	-0.00045	0.0002	0.0006245
5e+12	0.9777	0.99315	1.0043	0.01114	0.9787	0.9923	1.0019	0.0097707	-0.0024	-0.00085	0.001	0.0015801
1e+13	0.9726	0.98618	1.0108	0.016925	0.974	0.9859	1.0104	0.016881	-0.0032	-0.000275	0.0014	0.002103

Device Test: 5.108; PROPD_SR_UVLO

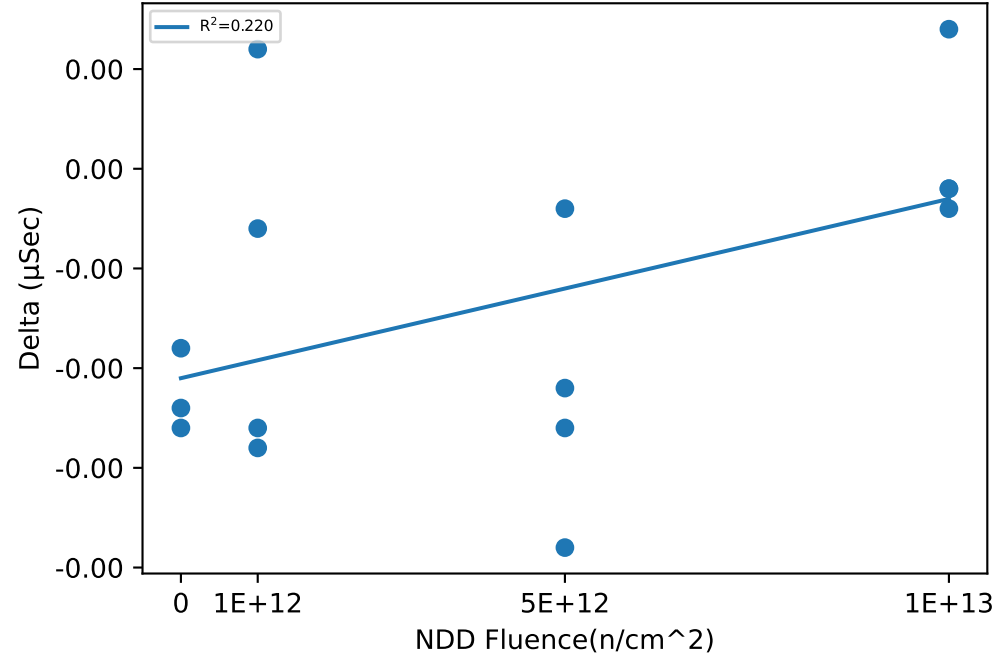
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1819	1.1825	0.0006
314	1e+12	NDD Unbiased	1.1493	1.148	-0.0013
315	1e+12	NDD Unbiased	1.1439	1.1436	-0.0003
316	1e+12	NDD Unbiased	1.1591	1.1577	-0.0014
317	5e+12	NDD Unbiased	1.1752	1.1739	-0.0013
318	5e+12	NDD Unbiased	1.1624	1.1605	-0.0019
320	5e+12	NDD Unbiased	1.165	1.1639	-0.0011
321	5e+12	NDD Unbiased	1.1461	1.1459	-0.0002
322	1e+13	NDD Unbiased	1.1799	1.1798	-0.0001
323	1e+13	NDD Unbiased	1.1467	1.1474	0.0007
324	1e+13	NDD Unbiased	1.1421	1.142	-0.0001
325	1e+13	NDD Unbiased	1.1388	1.1386	-0.0002
326	0	Correlation	1.149	1.1481	-0.0009
327	0	Correlation	1.1453	1.144	-0.0013
328	0	Correlation	1.1411	1.1399	-0.0012

NDD vs Post - Pre Exposure Delta

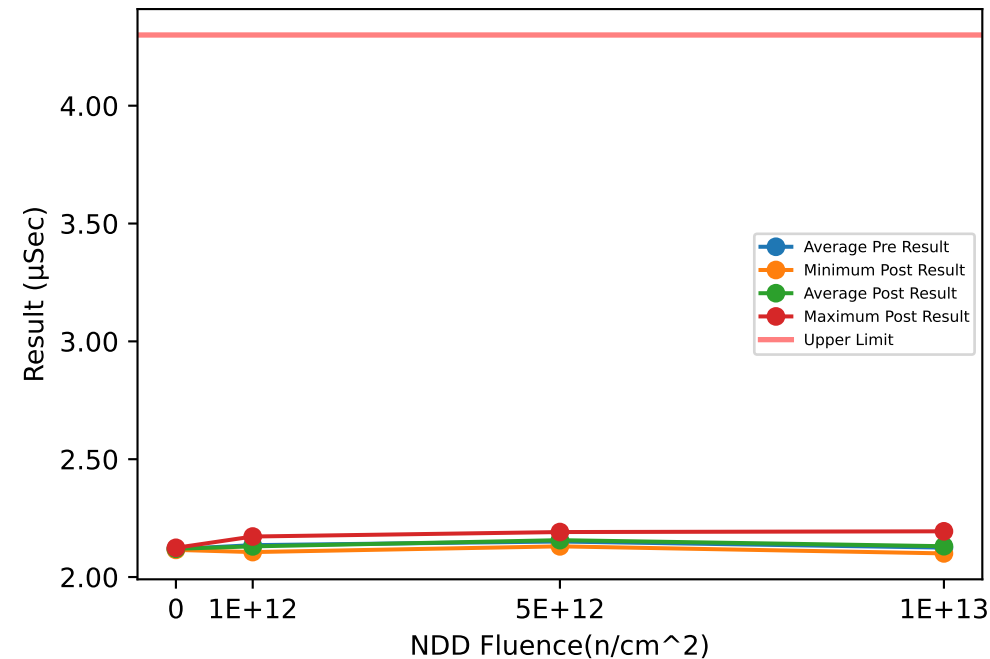


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1411	1.1451	1.149	0.0039526	1.1399	1.144	1.1481	0.0041	-0.0013	-0.0011333	-0.0009	0.00020817
1e+12	1.1439	1.1585	1.1819	0.01679	1.1436	1.158	1.1825	0.017394	-0.0014	-0.0006	0.0006	0.00094163
5e+12	1.1461	1.1622	1.1752	0.012057	1.1459	1.161	1.1739	0.011591	-0.0019	-0.001125	-0.0002	0.00070415
1e+13	1.1388	1.1519	1.1799	0.018962	1.1386	1.152	1.1798	0.018917	-0.0002	7.5e-05	0.0007	0.00041932

Device Test: 5.11; PROPD_RESET

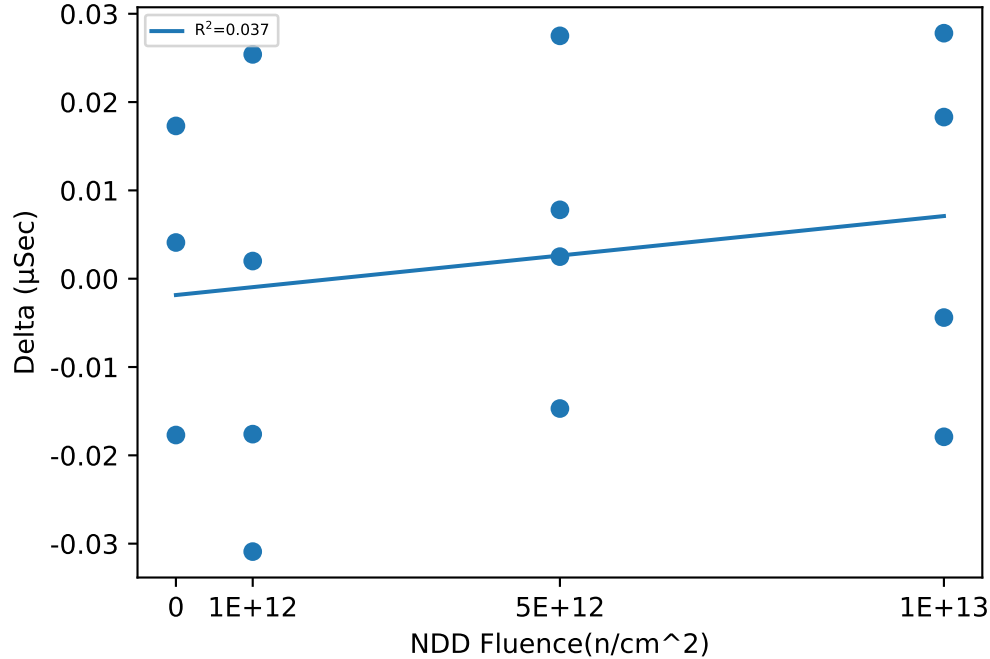
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.2028	2.1719	-0.0309
314	1e+12	NDD Unbiased	2.1054	2.1308	0.0254
315	1e+12	NDD Unbiased	2.1039	2.1059	0.002
316	1e+12	NDD Unbiased	2.1291	2.1115	-0.0176
317	5e+12	NDD Unbiased	2.1634	2.1909	0.0275
318	5e+12	NDD Unbiased	2.1729	2.1582	-0.0147
320	5e+12	NDD Unbiased	2.1441	2.1466	0.0025
321	5e+12	NDD Unbiased	2.1224	2.1302	0.0078
322	1e+13	NDD Unbiased	2.1984	2.194	-0.0044
323	1e+13	NDD Unbiased	2.0977	2.1255	0.0278
324	1e+13	NDD Unbiased	2.1182	2.1003	-0.0179
325	1e+13	NDD Unbiased	2.085	2.1033	0.0183
326	0	Correlation	2.1381	2.1204	-0.0177
327	0	Correlation	2.1067	2.124	0.0173
328	0	Correlation	2.1111	2.1152	0.0041

NDD vs Post - Pre Exposure Delta

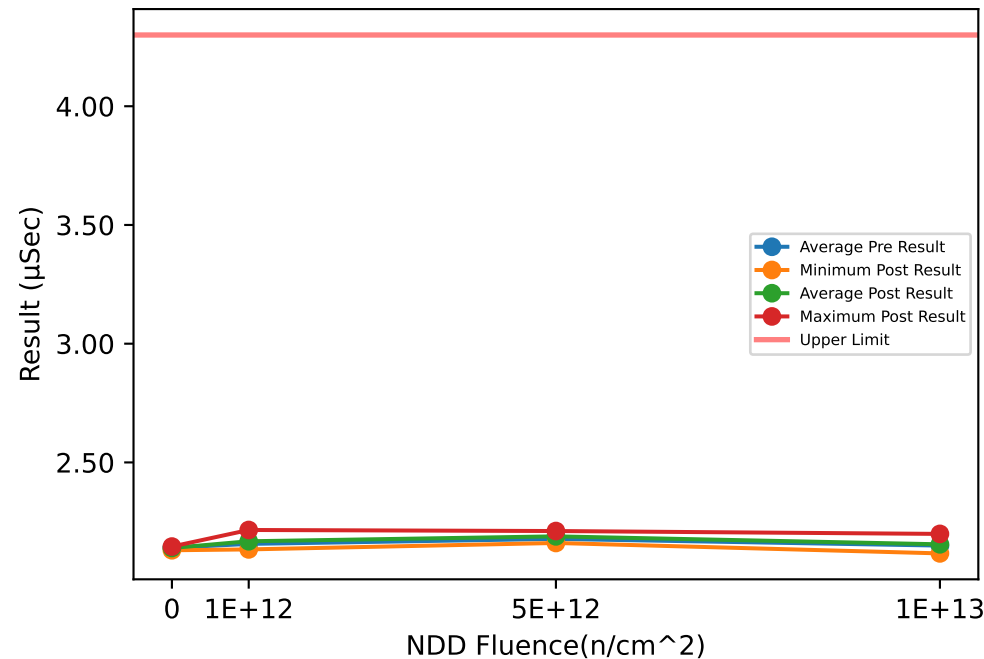


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1067	2.1186	2.1381	0.017002	2.1152	2.1199	2.124	0.0044242	-0.0177	0.0012333	0.0173	0.017675
1e+12	2.1039	2.1353	2.2028	0.046457	2.1059	2.13	2.1719	0.029885	-0.0309	-0.005275	0.0254	0.024511
5e+12	2.1224	2.1507	2.1729	0.02235	2.1302	2.1565	2.1909	0.025664	-0.0147	0.005775	0.0275	0.017378
1e+13	2.085	2.1248	2.1984	0.050921	2.1003	2.1308	2.194	0.043623	-0.0179	0.00595	0.0278	0.020864

Device Test: 5.12; PROPD_RESET

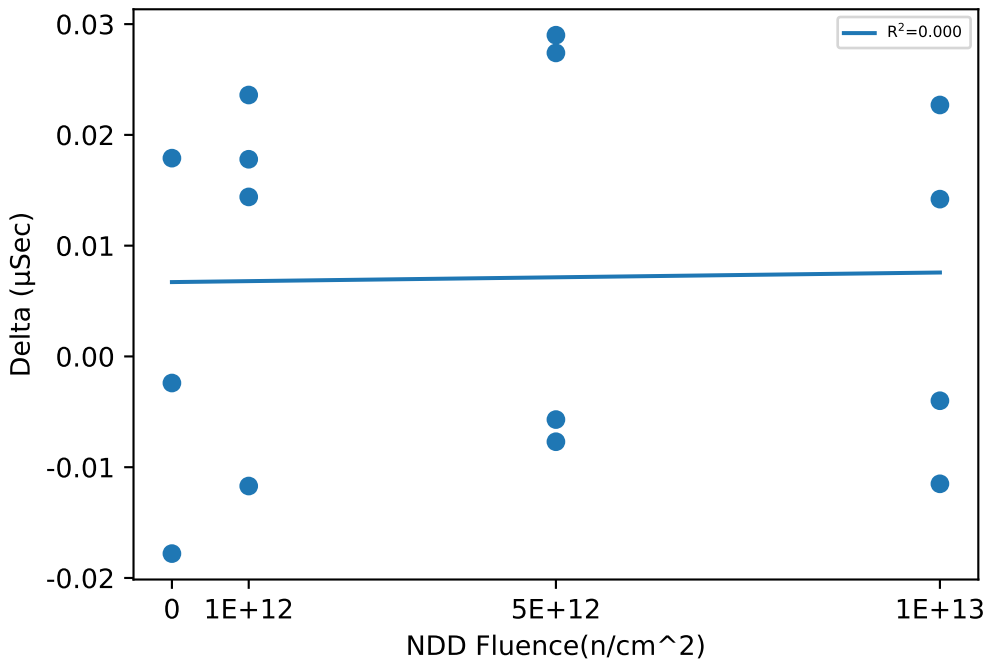
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.1977	2.2155	0.0178
314	1e+12	NDD Unbiased	2.1237	2.1381	0.0144
315	1e+12	NDD Unbiased	2.1454	2.1337	-0.0117
316	1e+12	NDD Unbiased	2.1609	2.1845	0.0236
317	5e+12	NDD Unbiased	2.2177	2.21	-0.0077
318	5e+12	NDD Unbiased	2.1784	2.1727	-0.0057
320	5e+12	NDD Unbiased	2.1837	2.2111	0.0274
321	5e+12	NDD Unbiased	2.1318	2.1608	0.029
322	1e+13	NDD Unbiased	2.1848	2.199	0.0142
323	1e+13	NDD Unbiased	2.1516	2.1476	-0.004
324	1e+13	NDD Unbiased	2.1345	2.1572	0.0227
325	1e+13	NDD Unbiased	2.1284	2.1169	-0.0115
326	0	Correlation	2.1481	2.1457	-0.0024
327	0	Correlation	2.1122	2.1301	0.0179
328	0	Correlation	2.1615	2.1437	-0.0178

NDD vs Post - Pre Exposure Delta

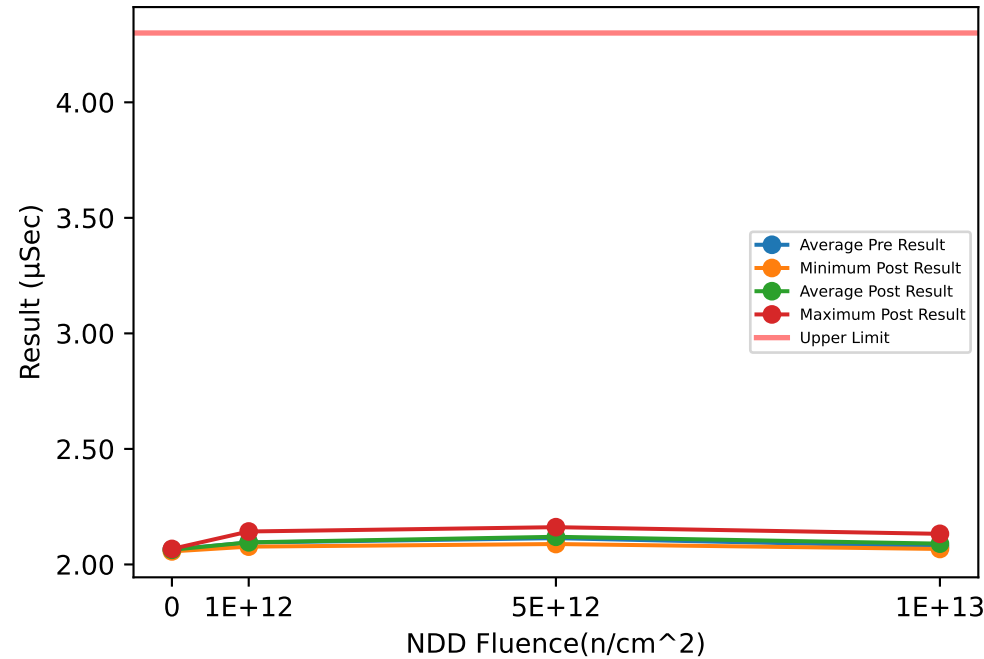


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1122	2.1406	2.1615	0.025491	2.1301	2.1398	2.1457	0.0084884	-0.0178	-0.00076667	0.0179	0.017906
1e+12	2.1237	2.1569	2.1977	0.031172	2.1337	2.168	2.2155	0.039154	-0.0117	0.011025	0.0236	0.015619
5e+12	2.1318	2.1779	2.2177	0.035323	2.1608	2.1886	2.2111	0.025754	-0.0077	0.01075	0.029	0.020177
1e+13	2.1284	2.1498	2.1848	0.0253	2.1169	2.1552	2.199	0.033897	-0.0115	0.00535	0.0227	0.015819

Device Test: 5.13; PROPD_PWRGD

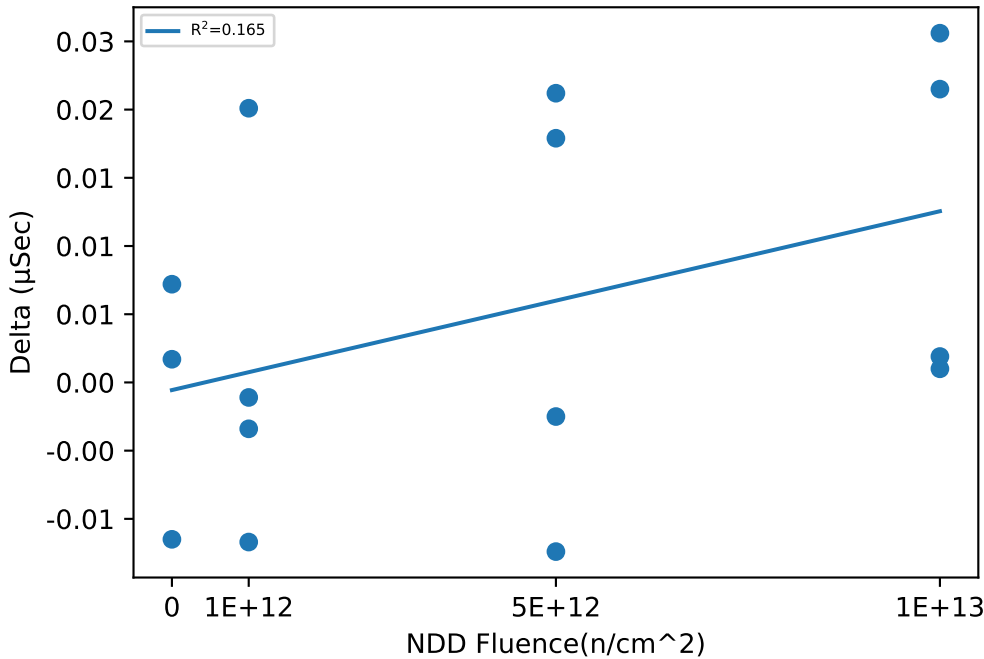
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.1226	2.1427	0.0201
314	1e+12	NDD Unbiased	2.0786	2.0775	-0.0011
315	1e+12	NDD Unbiased	2.0888	2.0771	-0.0117
316	1e+12	NDD Unbiased	2.0891	2.0857	-0.0034
317	5e+12	NDD Unbiased	2.1434	2.1613	0.0179
318	5e+12	NDD Unbiased	2.1014	2.0989	-0.0025
320	5e+12	NDD Unbiased	2.1429	2.1305	-0.0124
321	5e+12	NDD Unbiased	2.0672	2.0884	0.0212
322	1e+13	NDD Unbiased	2.1306	2.1325	0.0019
323	1e+13	NDD Unbiased	2.0507	2.0722	0.0215
324	1e+13	NDD Unbiased	2.0629	2.0885	0.0256
325	1e+13	NDD Unbiased	2.066	2.067	0.001
326	0	Correlation	2.06	2.0672	0.0072
327	0	Correlation	2.0785	2.067	-0.0115
328	0	Correlation	2.0548	2.0565	0.0017

NDD vs Post - Pre Exposure Delta

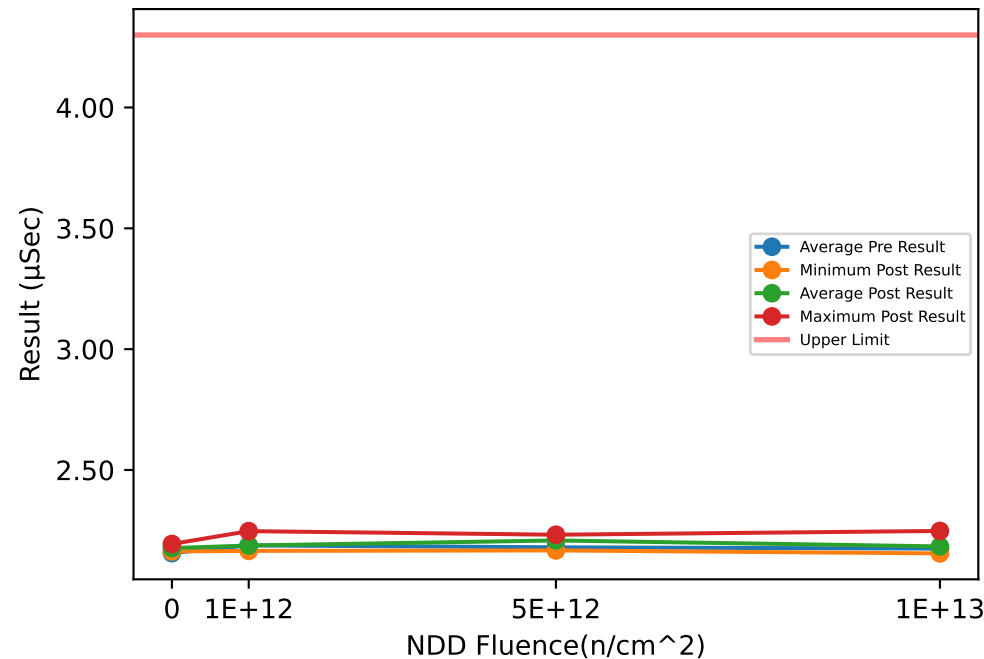


Test Statistics (µSec)

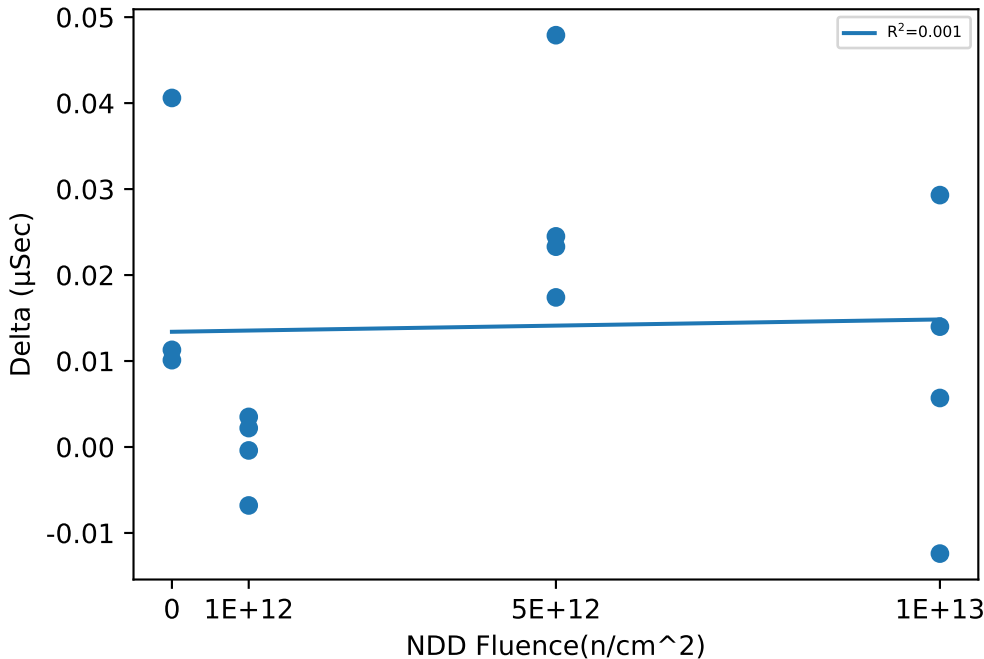
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0548	2.0644	2.0785	0.012456	2.0565	2.0636	2.0672	0.0061207	-0.0115	-0.00086667	0.0072	0.0096106
1e+12	2.0786	2.0948	2.1226	0.019181	2.0771	2.0958	2.1427	0.03155	-0.0117	0.000975	0.0201	0.013538
5e+12	2.0672	2.1137	2.1434	0.036734	2.0884	2.1198	2.1613	0.032962	-0.0124	0.00605	0.0212	0.01616
1e+13	2.0507	2.0776	2.1306	0.035978	2.067	2.09	2.1325	0.029745	0.001	0.0125	0.0256	0.012874

Device Test: 5.14; PROPD_RESET

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

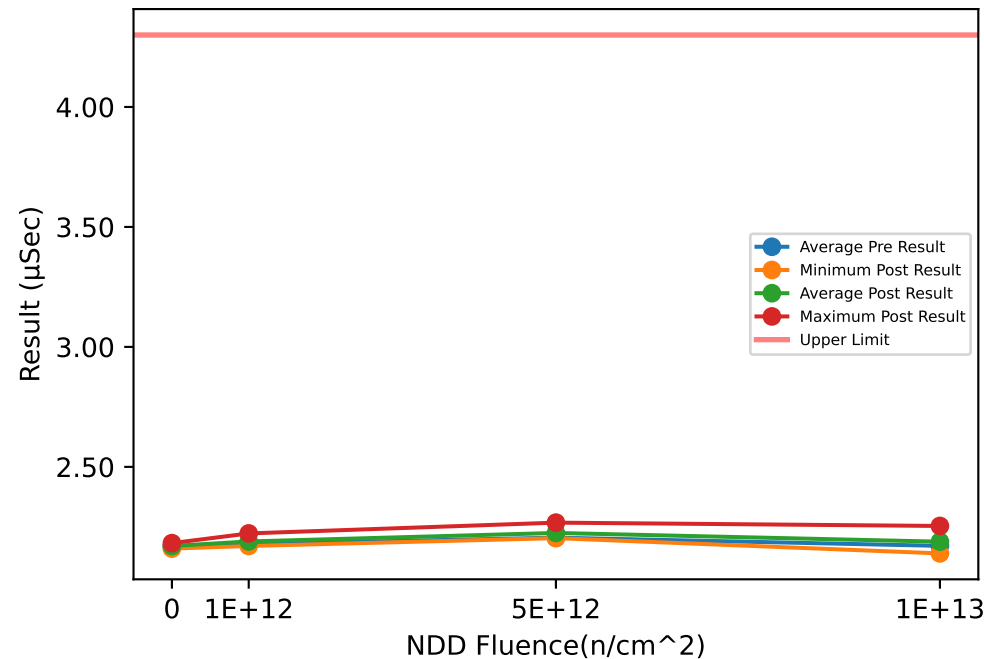
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.2447	2.2469	0.0022
314	1e+12	NDD Unbiased	2.1684	2.168	-0.0004
315	1e+12	NDD Unbiased	2.172	2.1652	-0.0068
316	1e+12	NDD Unbiased	2.1665	2.17	0.0035
317	5e+12	NDD Unbiased	2.1842	2.2321	0.0479
318	5e+12	NDD Unbiased	2.1923	2.2156	0.0233
320	5e+12	NDD Unbiased	2.1938	2.2183	0.0245
321	5e+12	NDD Unbiased	2.1497	2.1671	0.0174
322	1e+13	NDD Unbiased	2.2337	2.2477	0.014
323	1e+13	NDD Unbiased	2.1698	2.1755	0.0057
324	1e+13	NDD Unbiased	2.1693	2.1569	-0.0124
325	1e+13	NDD Unbiased	2.1255	2.1548	0.0293
326	0	Correlation	2.1532	2.1938	0.0406
327	0	Correlation	2.1528	2.1629	0.0101
328	0	Correlation	2.1618	2.1731	0.0113

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1528	2.1559	2.1618	0.0050846	2.1629	2.1766	2.1938	0.015745	0.0101	0.020667	0.0406	0.017273
1e+12	2.1665	2.1879	2.2447	0.037935	2.1652	2.1875	2.2469	0.039632	-0.0068	-0.000375	0.0035	0.0045799
5e+12	2.1497	2.18	2.1938	0.020635	2.1671	2.2083	2.2321	0.028385	0.0174	0.028275	0.0479	0.013446
1e+13	2.1255	2.1746	2.2337	0.044552	2.1548	2.1837	2.2477	0.043653	-0.0124	0.00915	0.0293	0.017377

Device Test: 5.15; PROPD_RESET

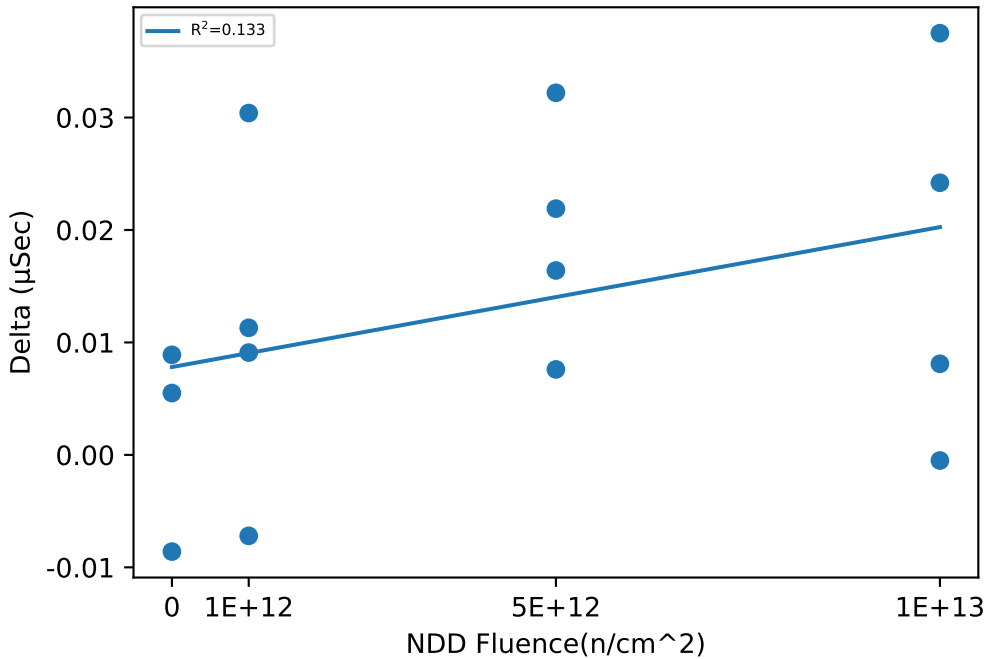
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.1922	2.2226	0.0304
314	1e+12	NDD Unbiased	2.1612	2.1703	0.0091
315	1e+12	NDD Unbiased	2.1618	2.1731	0.0113
316	1e+12	NDD Unbiased	2.1979	2.1907	-0.0072
317	5e+12	NDD Unbiased	2.2512	2.2676	0.0164
318	5e+12	NDD Unbiased	2.1781	2.2103	0.0322
320	5e+12	NDD Unbiased	2.1955	2.2174	0.0219
321	5e+12	NDD Unbiased	2.1954	2.203	0.0076
322	1e+13	NDD Unbiased	2.2163	2.2538	0.0375
323	1e+13	NDD Unbiased	2.1595	2.1676	0.0081
324	1e+13	NDD Unbiased	2.1679	2.1921	0.0242
325	1e+13	NDD Unbiased	2.1399	2.1394	-0.0005
326	0	Correlation	2.1604	2.1693	0.0089
327	0	Correlation	2.1539	2.1594	0.0055
328	0	Correlation	2.1908	2.1822	-0.0086

NDD vs Post - Pre Exposure Delta

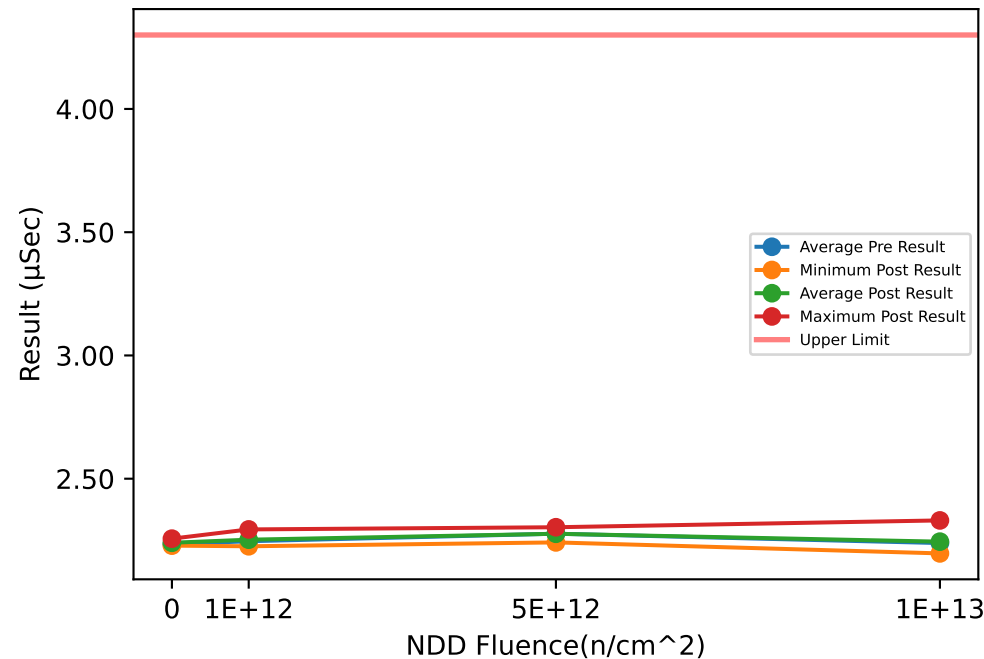


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1539	2.1684	2.1908	0.019698	2.1594	2.1703	2.1822	0.011433	-0.0086	0.0019333	0.0089	0.0092792
1e+12	2.1612	2.1783	2.1979	0.019511	2.1703	2.1892	2.2226	0.024043	-0.0072	0.0109	0.0304	0.015398
5e+12	2.1781	2.205	2.2512	0.031835	2.203	2.2246	2.2676	0.02928	0.0076	0.019525	0.0322	0.0103
1e+13	2.1399	2.1709	2.2163	0.032461	2.1394	2.1882	2.2538	0.048732	-0.0005	0.017325	0.0375	0.016903

Device Test: 5.16; PROPD_RESET

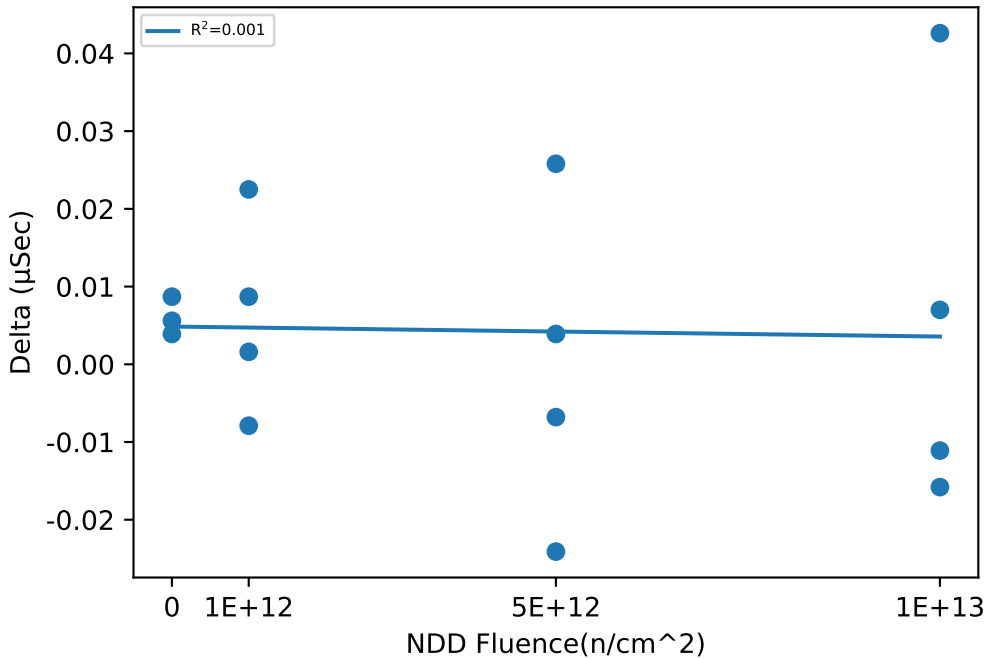
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.2856	2.2943	0.0087
314	1e+12	NDD Unbiased	2.2338	2.2259	-0.0079
315	1e+12	NDD Unbiased	2.2162	2.2387	0.0225
316	1e+12	NDD Unbiased	2.25	2.2516	0.0016
317	5e+12	NDD Unbiased	2.3055	2.2987	-0.0068
318	5e+12	NDD Unbiased	2.2773	2.3031	0.0258
320	5e+12	NDD Unbiased	2.2872	2.2631	-0.0241
321	5e+12	NDD Unbiased	2.2377	2.2416	0.0039
322	1e+13	NDD Unbiased	2.2882	2.3308	0.0426
323	1e+13	NDD Unbiased	2.2363	2.2205	-0.0158
324	1e+13	NDD Unbiased	2.2233	2.2303	0.007
325	1e+13	NDD Unbiased	2.2081	2.197	-0.0111
326	0	Correlation	2.2529	2.2568	0.0039
327	0	Correlation	2.2229	2.2285	0.0056
328	0	Correlation	2.2264	2.2351	0.0087

NDD vs Post - Pre Exposure Delta

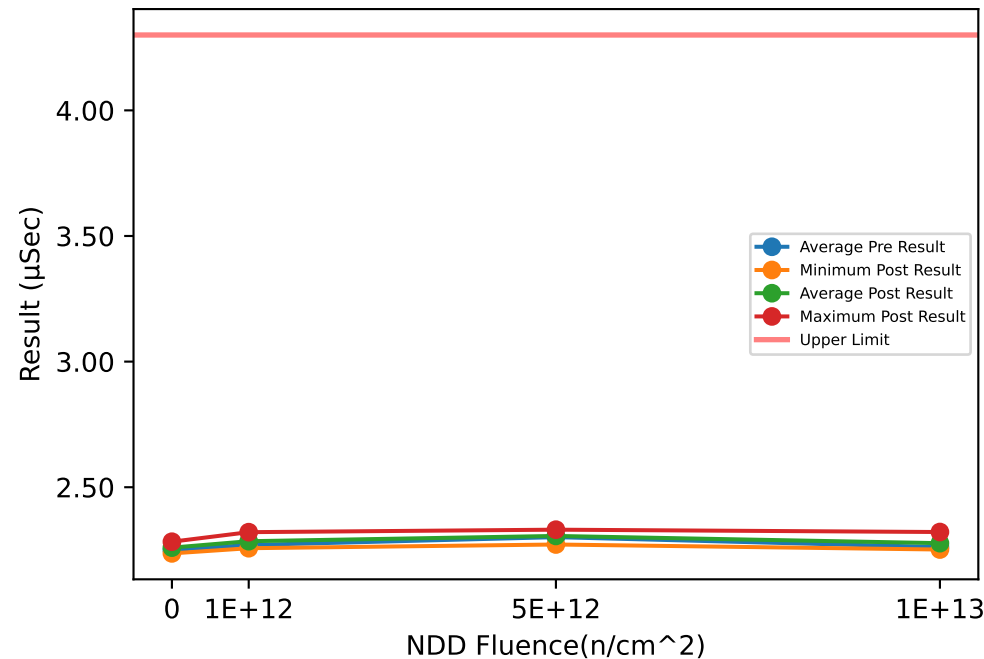


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2229	2.2341	2.2529	0.016404	2.2285	2.2401	2.2568	0.014806	0.0039	0.0060667	0.0087	0.0024338
1e+12	2.2162	2.2464	2.2856	0.029554	2.2259	2.2526	2.2943	0.029698	-0.0079	0.006225	0.0225	0.012805
5e+12	2.2377	2.2769	2.3055	0.028641	2.2416	2.2766	2.3031	0.029427	-0.0241	-0.0003	0.0258	0.020877
1e+13	2.2081	2.239	2.2882	0.034781	2.197	2.2447	2.3308	0.059109	-0.0158	0.005675	0.0426	0.026507

Device Test: 5.17; PROPD_RESET

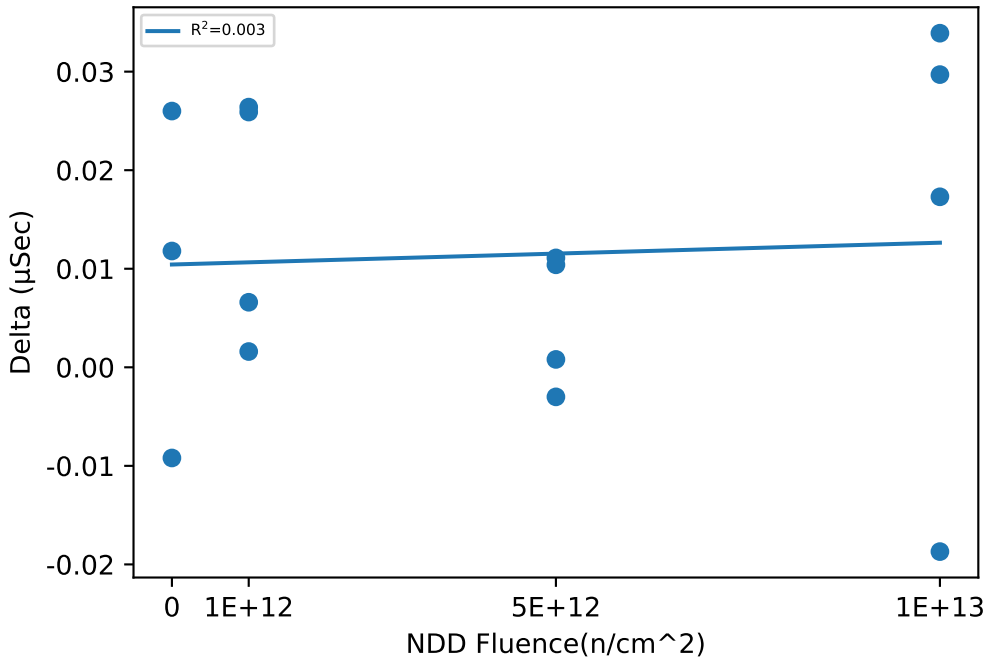
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.3195	2.3211	0.0016
314	1e+12	NDD Unbiased	2.2474	2.2733	0.0259
315	1e+12	NDD Unbiased	2.2308	2.2572	0.0264
316	1e+12	NDD Unbiased	2.2822	2.2888	0.0066
317	5e+12	NDD Unbiased	2.334	2.331	-0.003
318	5e+12	NDD Unbiased	2.2991	2.3102	0.0111
320	5e+12	NDD Unbiased	2.3104	2.3112	0.0008
321	5e+12	NDD Unbiased	2.2616	2.272	0.0104
322	1e+13	NDD Unbiased	2.3044	2.3217	0.0173
323	1e+13	NDD Unbiased	2.2707	2.252	-0.0187
324	1e+13	NDD Unbiased	2.2473	2.277	0.0297
325	1e+13	NDD Unbiased	2.2247	2.2586	0.0339
326	0	Correlation	2.2473	2.2591	0.0118
327	0	Correlation	2.2458	2.2366	-0.0092
328	0	Correlation	2.2571	2.2831	0.026

NDD vs Post - Pre Exposure Delta

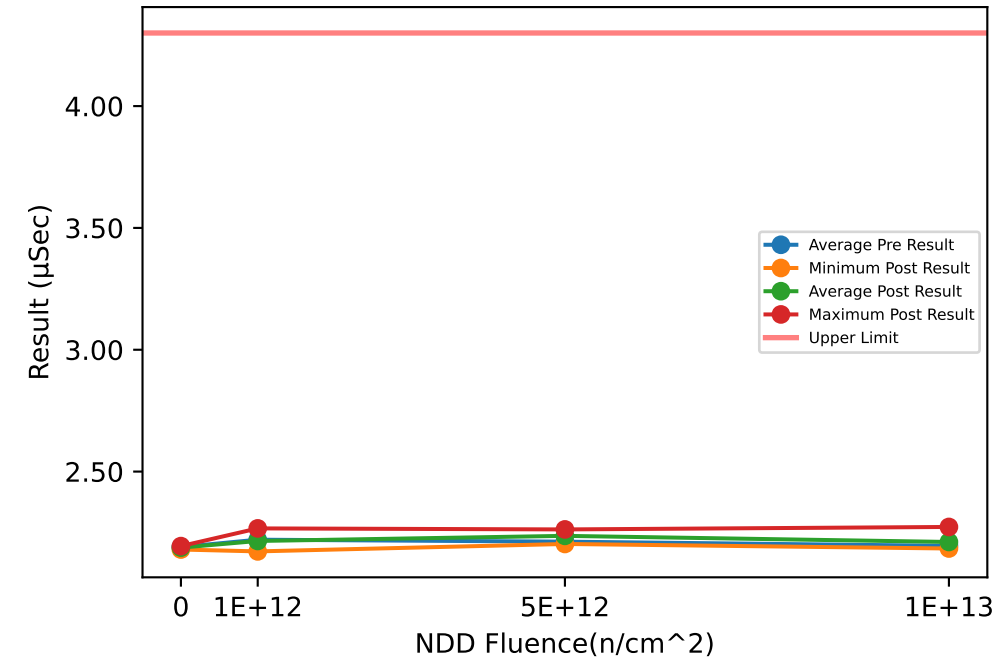


Test Statistics (µSec)

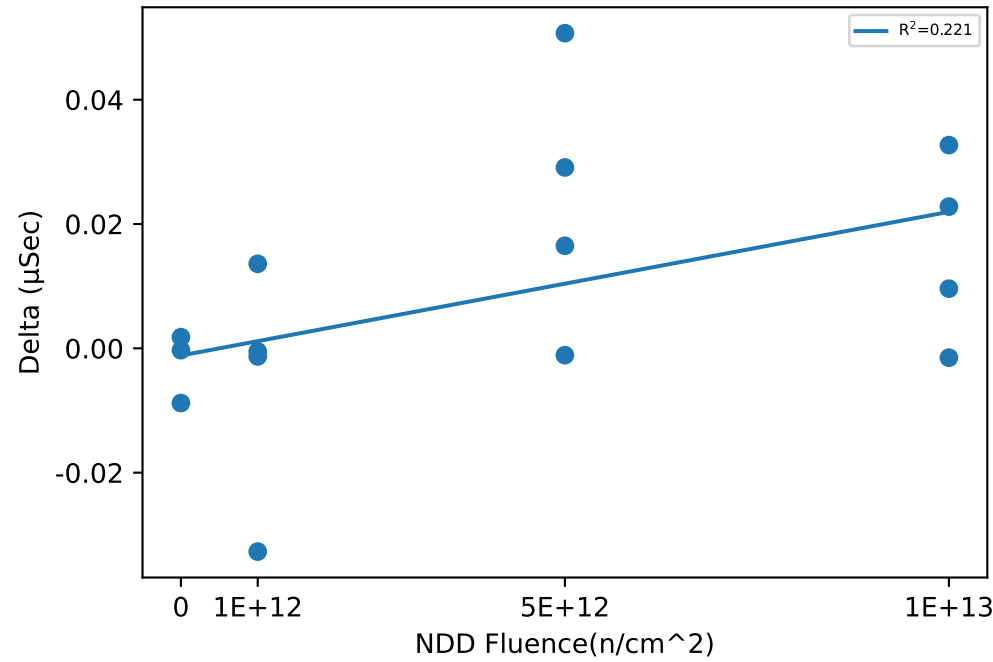
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2458	2.2501	2.2571	0.006137	2.2366	2.2596	2.2831	0.023254	-0.0092	0.0095333	0.026	0.017709
1e+12	2.2308	2.27	2.3195	0.039355	2.2572	2.2851	2.3211	0.027248	0.0016	0.015125	0.0264	0.012895
5e+12	2.2616	2.3013	2.334	0.030183	2.272	2.3061	2.331	0.024669	-0.003	0.004825	0.0111	0.0070211
1e+13	2.2247	2.2618	2.3044	0.034062	2.252	2.2773	2.3217	0.031418	-0.0187	0.01555	0.0339	0.023896

Device Test: 5.18; PROPD_PWRGD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

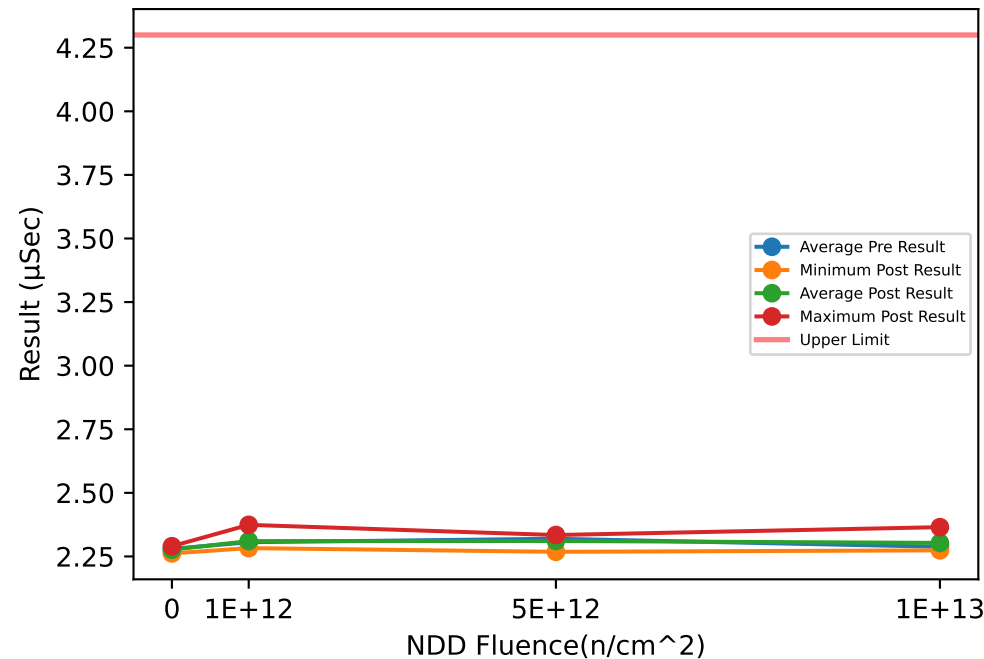
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.2681	2.2668	-0.0013
314	1e+12	NDD Unbiased	2.1939	2.1934	-0.0005
315	1e+12	NDD Unbiased	2.2051	2.1724	-0.0327
316	1e+12	NDD Unbiased	2.2145	2.2281	0.0136
317	5e+12	NDD Unbiased	2.2335	2.2626	0.0291
318	5e+12	NDD Unbiased	2.2177	2.2342	0.0165
320	5e+12	NDD Unbiased	2.1943	2.245	0.0507
321	5e+12	NDD Unbiased	2.204	2.2029	-0.0011
322	1e+13	NDD Unbiased	2.24	2.2727	0.0327
323	1e+13	NDD Unbiased	2.1743	2.1971	0.0228
324	1e+13	NDD Unbiased	2.1807	2.1903	0.0096
325	1e+13	NDD Unbiased	2.1858	2.1843	-0.0015
326	0	Correlation	2.1889	2.1801	-0.0088
327	0	Correlation	2.1944	2.1941	-0.0003
328	0	Correlation	2.1877	2.1895	0.0018

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1877	2.1903	2.1944	0.0035726	2.1801	2.1879	2.1941	0.0071358	-0.0088	-0.0024333	0.0018	0.0056128
1e+12	2.1939	2.2204	2.2681	0.032896	2.1724	2.2152	2.2668	0.041377	-0.0327	-0.005225	0.0136	0.019553
5e+12	2.1943	2.2124	2.2335	0.017044	2.2029	2.2362	2.2626	0.025082	-0.0011	0.0238	0.0507	0.021794
1e+13	2.1743	2.1952	2.24	0.030235	2.1843	2.2111	2.2727	0.041398	-0.0015	0.0159	0.0327	0.01497

Device Test: 5.19; PROPD_RESET

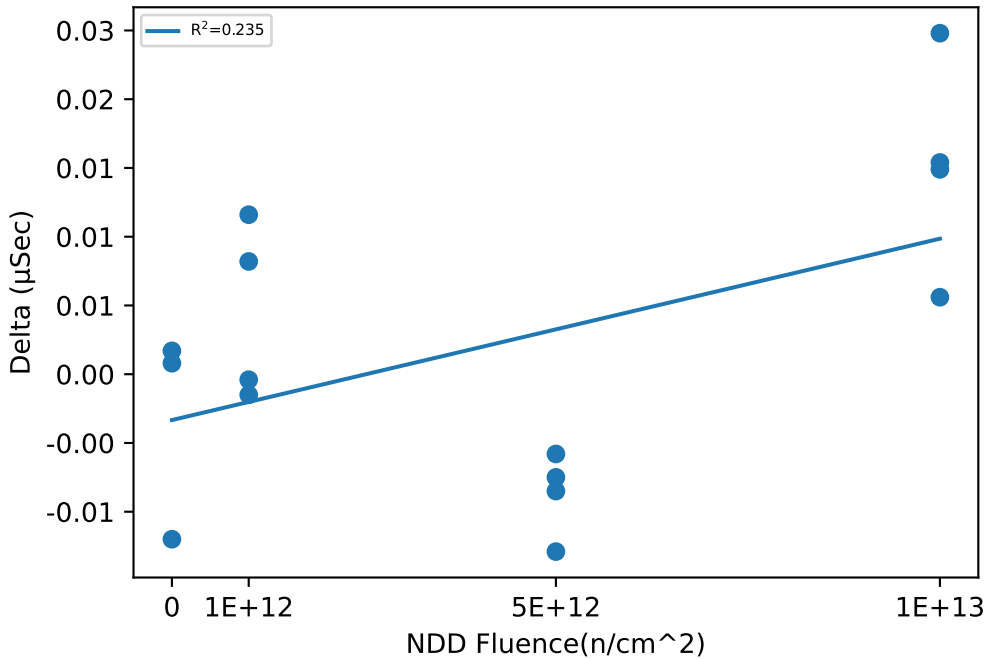
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.3626	2.3742	0.0116
314	1e+12	NDD Unbiased	2.2843	2.2828	-0.0015
315	1e+12	NDD Unbiased	2.2783	2.2865	0.0082
316	1e+12	NDD Unbiased	2.2984	2.298	-0.0004
317	5e+12	NDD Unbiased	2.3417	2.3342	-0.0075
318	5e+12	NDD Unbiased	2.3302	2.3217	-0.0085
320	5e+12	NDD Unbiased	2.3322	2.3193	-0.0129
321	5e+12	NDD Unbiased	2.274	2.2682	-0.0058
322	1e+13	NDD Unbiased	2.3497	2.3651	0.0154
323	1e+13	NDD Unbiased	2.2684	2.274	0.0056
324	1e+13	NDD Unbiased	2.2701	2.2949	0.0248
325	1e+13	NDD Unbiased	2.2643	2.2792	0.0149
326	0	Correlation	2.2898	2.2778	-0.012
327	0	Correlation	2.2603	2.262	0.0017
328	0	Correlation	2.2894	2.2902	0.0008

NDD vs Post - Pre Exposure Delta

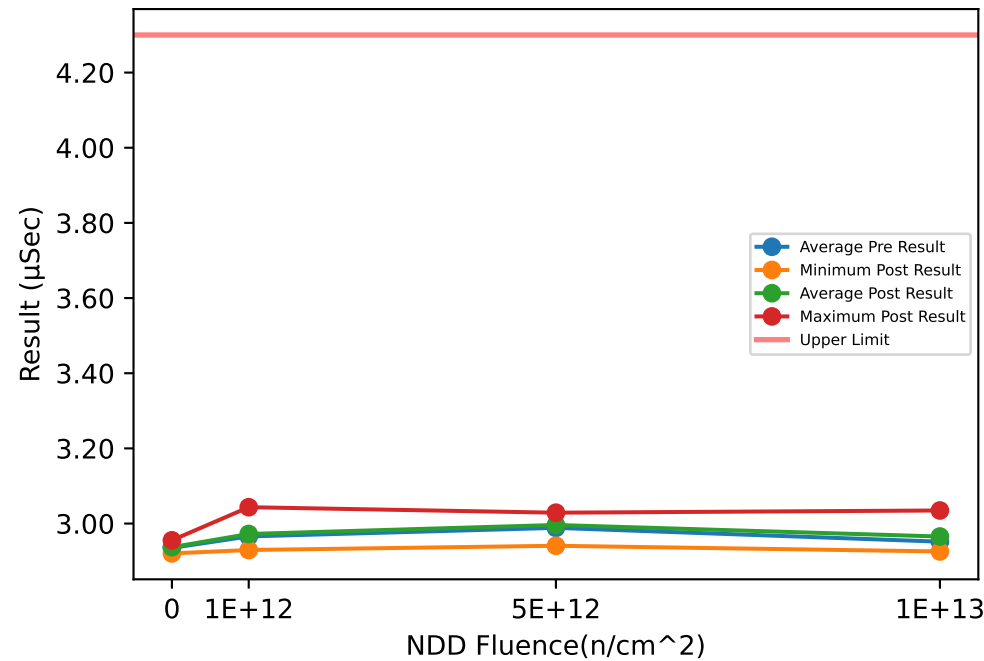


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2603	2.2798	2.2898	0.016918	2.262	2.2767	2.2902	0.014134	-0.012	-0.0031667	0.0017	0.0076631
1e+12	2.2783	2.3059	2.3626	0.038728	2.2828	2.3104	2.3742	0.043039	-0.0015	0.004475	0.0116	0.0064319
5e+12	2.274	2.3195	2.3417	0.030762	2.2682	2.3109	2.3342	0.029174	-0.0129	-0.008675	-0.0058	0.0030292
1e+13	2.2643	2.2881	2.3497	0.041122	2.274	2.3033	2.3651	0.042147	0.0056	0.015175	0.0248	0.0078411

Device Test: 5.2; PROPD_RESET

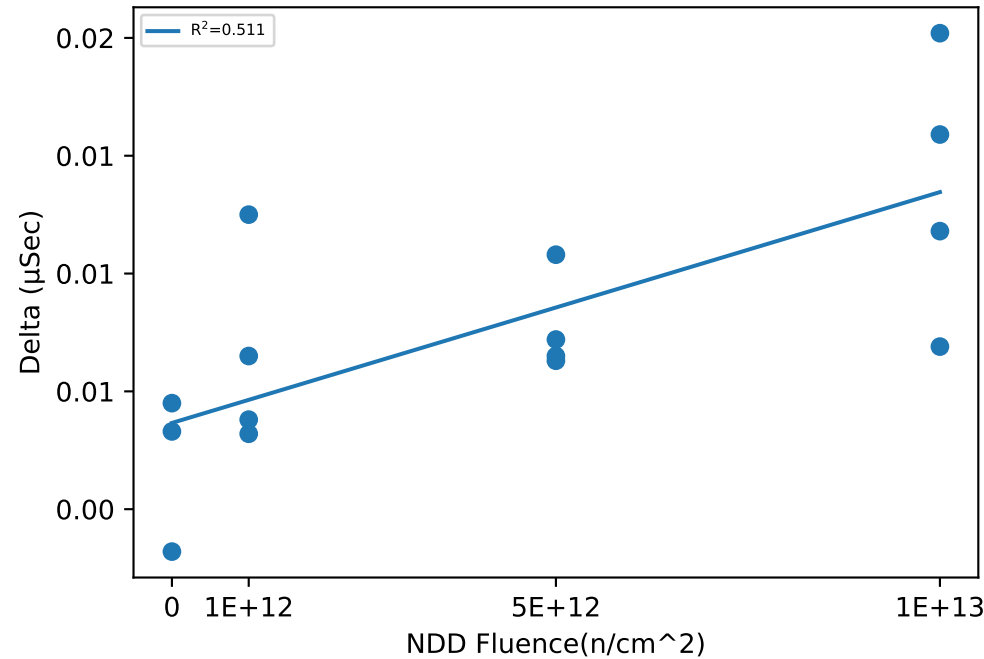
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.037	3.0435	0.0065
314	1e+12	NDD Unbiased	2.939	2.9428	0.0038
315	1e+12	NDD Unbiased	2.9264	2.9296	0.0032
316	1e+12	NDD Unbiased	2.9607	2.9732	0.0125
317	5e+12	NDD Unbiased	3.0226	3.0289	0.0063
318	5e+12	NDD Unbiased	2.9939	3.0047	0.0108
320	5e+12	NDD Unbiased	3.0033	3.0105	0.0072
321	5e+12	NDD Unbiased	2.9344	2.9409	0.0065
322	1e+13	NDD Unbiased	3.0279	3.0348	0.0069
323	1e+13	NDD Unbiased	2.9393	2.9552	0.0159
324	1e+13	NDD Unbiased	2.9344	2.9462	0.0118
325	1e+13	NDD Unbiased	2.9056	2.9258	0.0202
326	0	Correlation	2.9323	2.9356	0.0033
327	0	Correlation	2.9161	2.9206	0.0045
328	0	Correlation	2.9572	2.9554	-0.0018

NDD vs Post - Pre Exposure Delta

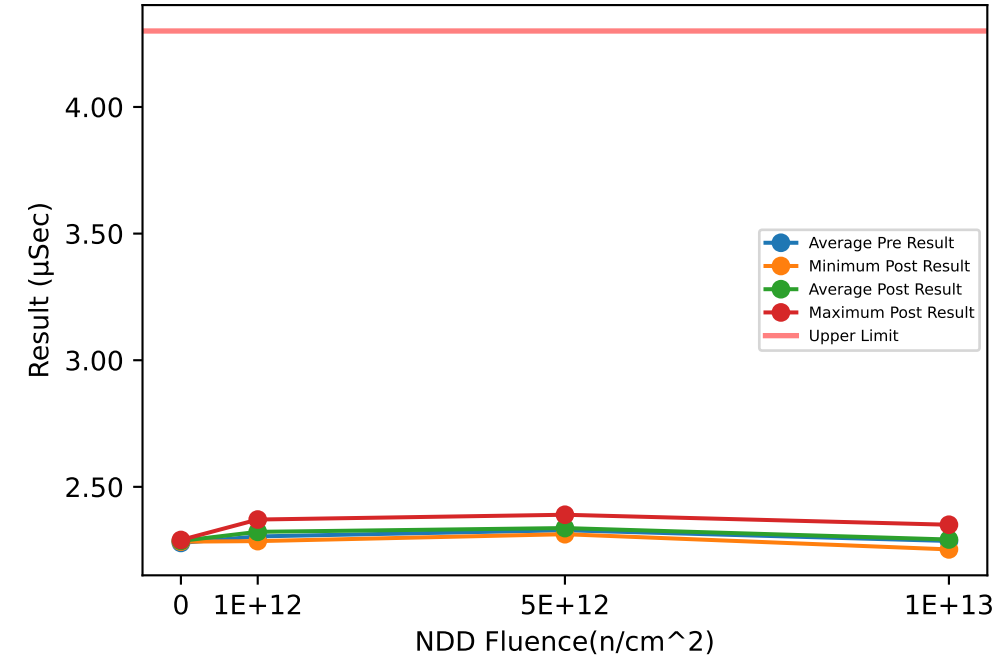


Test Statistics (µSec)

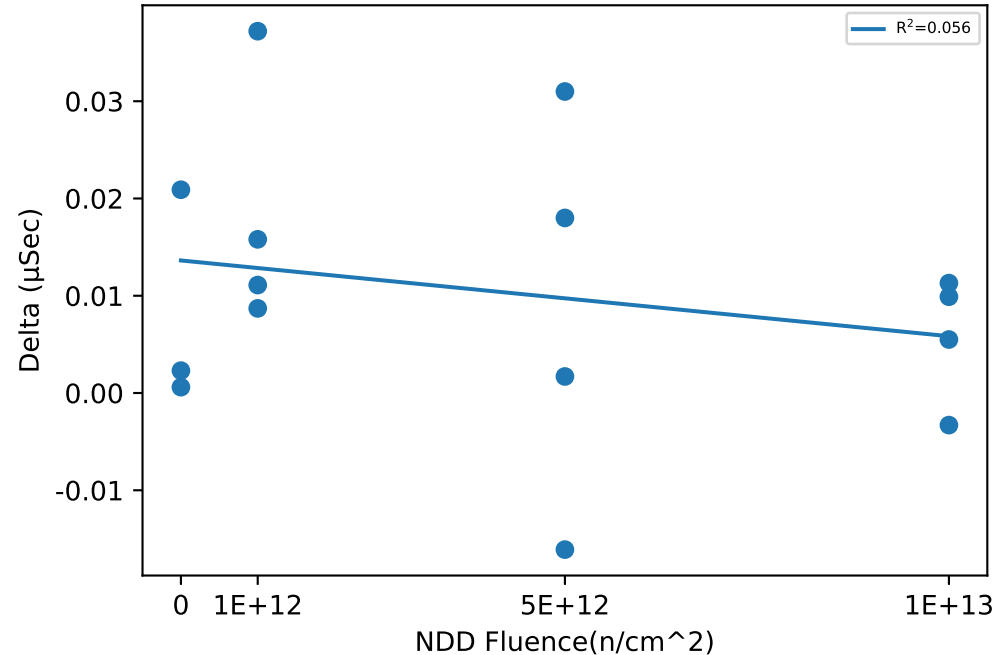
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9161	2.9352	2.9572	0.020703	2.9206	2.9372	2.9554	0.017455	-0.0018	0.002	0.0045	0.0033451
1e+12	2.9264	2.9658	3.037	0.049551	2.9296	2.9723	3.0435	0.050872	0.0032	0.0065	0.0125	0.0042497
5e+12	2.9344	2.9886	3.0226	0.038025	2.9409	2.9962	3.0289	0.038315	0.0063	0.0077	0.0108	0.0021024
1e+13	2.9056	2.9518	3.0279	0.052867	2.9258	2.9655	3.0348	0.047809	0.0069	0.0137	0.0202	0.0056845

Device Test: 5.20; PROPD_RESET

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

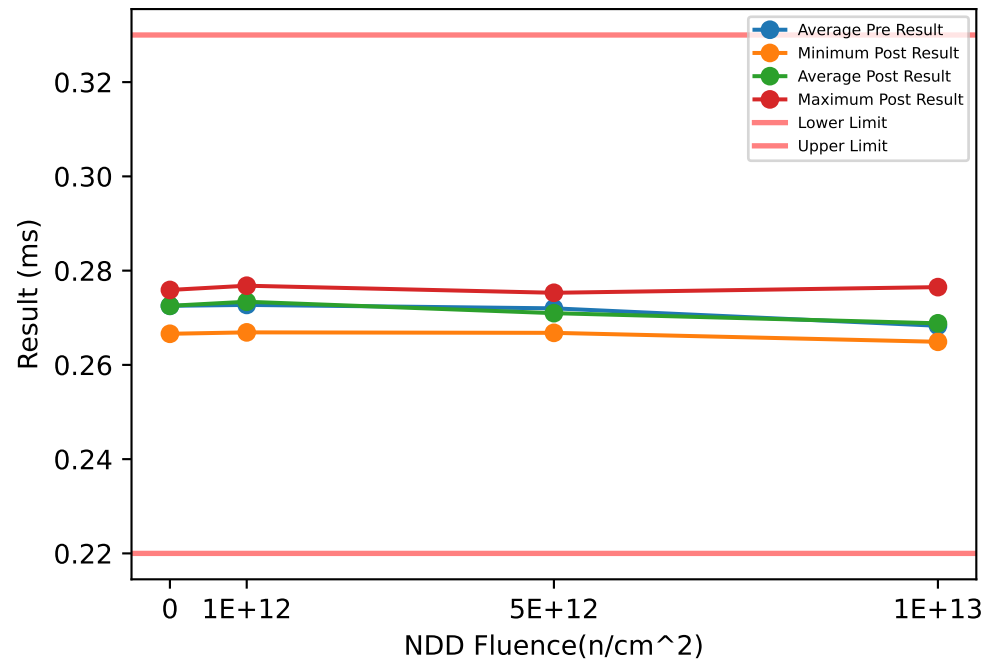
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.3337	2.3709	0.0372
314	1e+12	NDD Unbiased	2.2932	2.309	0.0158
315	1e+12	NDD Unbiased	2.2746	2.2857	0.0111
316	1e+12	NDD Unbiased	2.3152	2.3239	0.0087
317	5e+12	NDD Unbiased	2.3588	2.3898	0.031
318	5e+12	NDD Unbiased	2.3205	2.3222	0.0017
320	5e+12	NDD Unbiased	2.3291	2.313	-0.0161
321	5e+12	NDD Unbiased	2.3061	2.3241	0.018
322	1e+13	NDD Unbiased	2.3391	2.3504	0.0113
323	1e+13	NDD Unbiased	2.2563	2.253	-0.0033
324	1e+13	NDD Unbiased	2.2907	2.2962	0.0055
325	1e+13	NDD Unbiased	2.2588	2.2687	0.0099
326	0	Correlation	2.265	2.2859	0.0209
327	0	Correlation	2.2812	2.2835	0.0023
328	0	Correlation	2.2896	2.2902	0.0006

Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.265	2.2786	2.2896	0.012504	2.2835	2.2865	2.2902	0.0033946	0.0006	0.0079333	0.0209	0.011262
1e+12	2.2746	2.3042	2.3337	0.025745	2.2857	2.3224	2.3709	0.035967	0.0087	0.0182	0.0372	0.013005
5e+12	2.3061	2.3286	2.3588	0.022242	2.313	2.3373	2.3898	0.035351	-0.0161	0.00865	0.031	0.020395
1e+13	2.2563	2.2862	2.3391	0.038572	2.253	2.2921	2.3504	0.042787	-0.0033	0.00585	0.0113	0.0065815

Device Test: 5.21; DLY_TMR_10KOHM

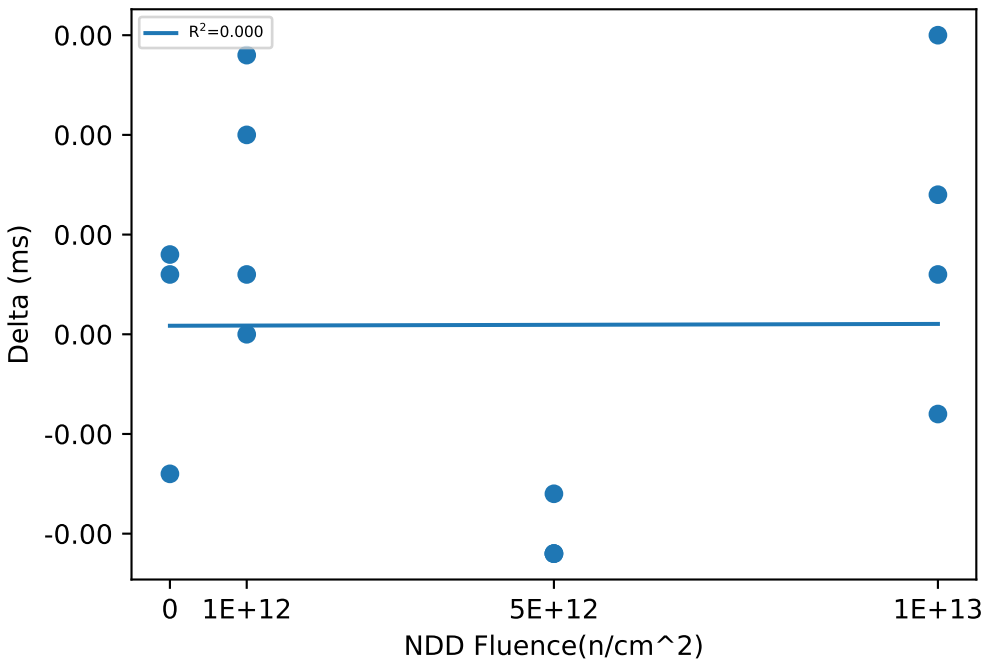
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2655	0.2669	0.0014
314	1e+12	NDD Unbiased	0.2758	0.2768	0.001
315	1e+12	NDD Unbiased	0.2745	0.2745	0
316	1e+12	NDD Unbiased	0.2751	0.2754	0.0003
317	5e+12	NDD Unbiased	0.2679	0.2668	-0.0011
318	5e+12	NDD Unbiased	0.2761	0.2753	-0.0008
320	5e+12	NDD Unbiased	0.2755	0.2744	-0.0011
321	5e+12	NDD Unbiased	0.2685	0.2674	-0.0011
322	1e+13	NDD Unbiased	0.2653	0.2649	-0.0004
323	1e+13	NDD Unbiased	0.2676	0.2679	0.0003
324	1e+13	NDD Unbiased	0.275	0.2765	0.0015
325	1e+13	NDD Unbiased	0.2653	0.266	0.0007
326	0	Correlation	0.2758	0.2751	-0.0007
327	0	Correlation	0.2755	0.2759	0.0004
328	0	Correlation	0.2663	0.2666	0.0003

NDD vs Post - Pre Exposure Delta

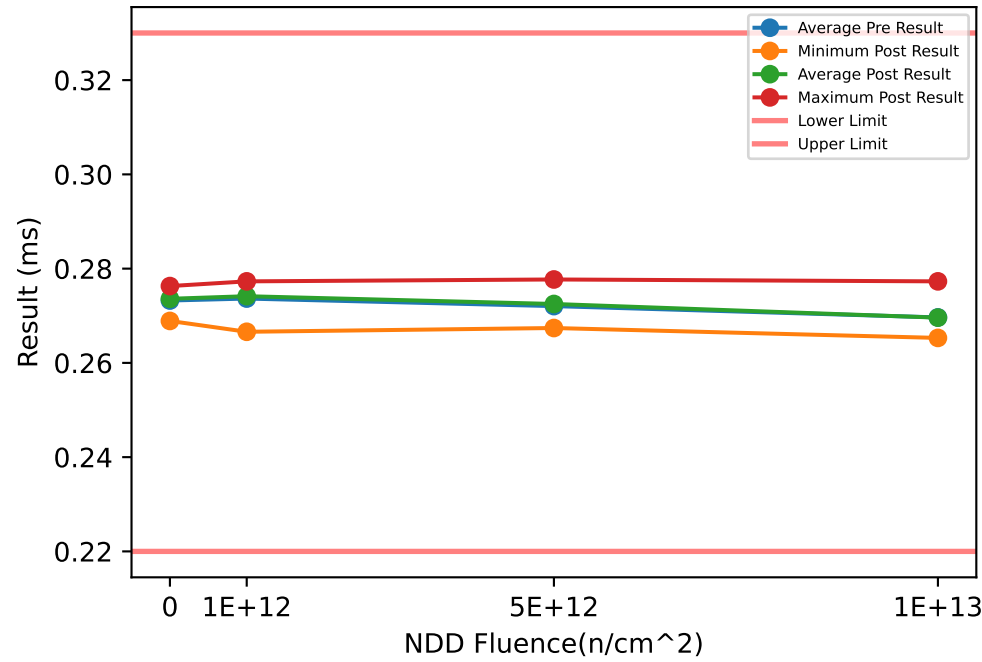


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2663	0.27253	0.2758	0.0054003	0.2666	0.27253	0.2759	0.005154	-0.0007	0	0.0004	0.00060828
1e+12	0.2655	0.27272	0.2758	0.0048459	0.2669	0.2734	0.2768	0.0044355	0	0.000675	0.0014	0.00063966
5e+12	0.2679	0.272	0.2761	0.0044015	0.2668	0.27097	0.2753	0.0044962	-0.0011	-0.001025	-0.0008	0.00015
1e+13	0.2653	0.2683	0.275	0.0045964	0.2649	0.26883	0.2765	0.0052646	-0.0004	0.000525	0.0015	0.0007932

Device Test: 5.22; DLY_TMR_10KOHM

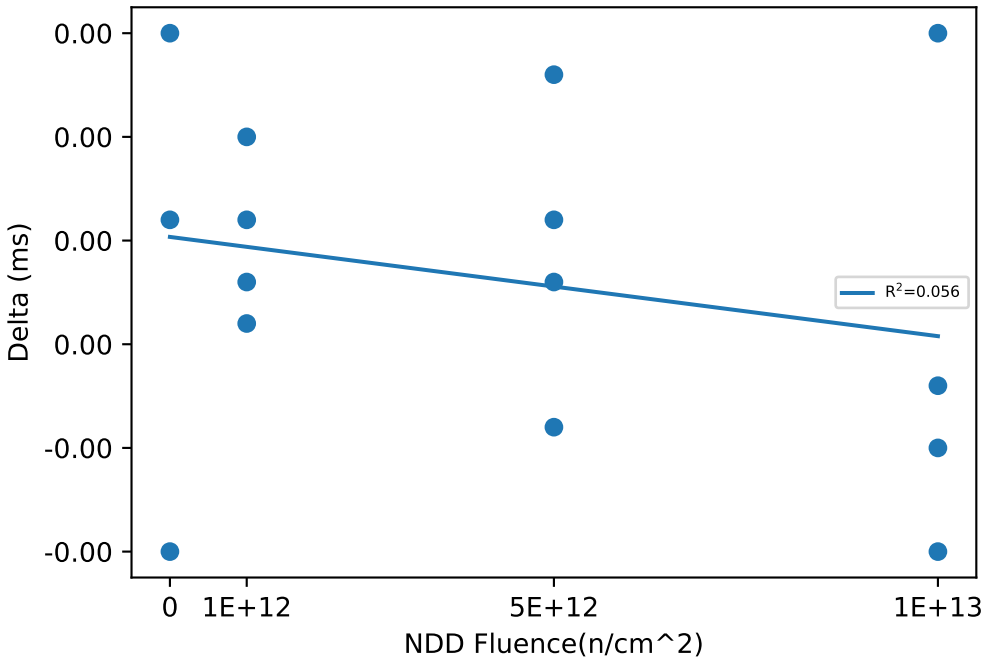
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2663	0.2666	0.0003
314	1e+12	NDD Unbiased	0.2772	0.2773	0.0001
315	1e+12	NDD Unbiased	0.276	0.2766	0.0006
316	1e+12	NDD Unbiased	0.2751	0.2761	0.001
317	5e+12	NDD Unbiased	0.2671	0.2674	0.0003
318	5e+12	NDD Unbiased	0.2764	0.2777	0.0013
320	5e+12	NDD Unbiased	0.2766	0.2762	-0.0004
321	5e+12	NDD Unbiased	0.2681	0.2687	0.0006
322	1e+13	NDD Unbiased	0.2658	0.2653	-0.0005
323	1e+13	NDD Unbiased	0.2676	0.2691	0.0015
324	1e+13	NDD Unbiased	0.2775	0.2773	-0.0002
325	1e+13	NDD Unbiased	0.2677	0.2667	-0.001
326	0	Correlation	0.2766	0.2756	-0.001
327	0	Correlation	0.2757	0.2763	0.0006
328	0	Correlation	0.2674	0.2689	0.0015

NDD vs Post - Pre Exposure Delta

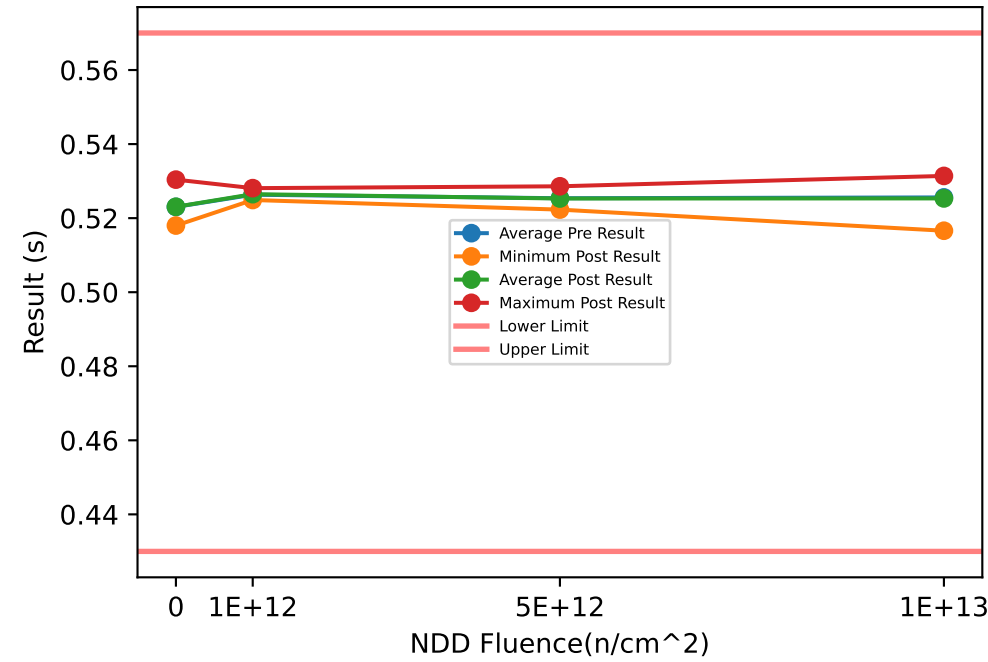


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2674	0.27323	0.2766	0.0050718	0.2689	0.2736	0.2763	0.0040853	-0.001	0.00036667	0.0015	0.0012662
1e+12	0.2663	0.27365	0.2772	0.0049749	0.2666	0.27415	0.2773	0.0050573	0.0001	0.0005	0.001	0.00039158
5e+12	0.2671	0.27205	0.2766	0.0051553	0.2674	0.2725	0.2777	0.0052019	-0.0004	0.00045	0.0013	0.00070475
1e+13	0.2658	0.26965	0.2775	0.0053057	0.2653	0.2696	0.2773	0.0053678	-0.001	-5e-05	0.0015	0.0010847

Device Test: 5.23; WD_TMR_10KOHM

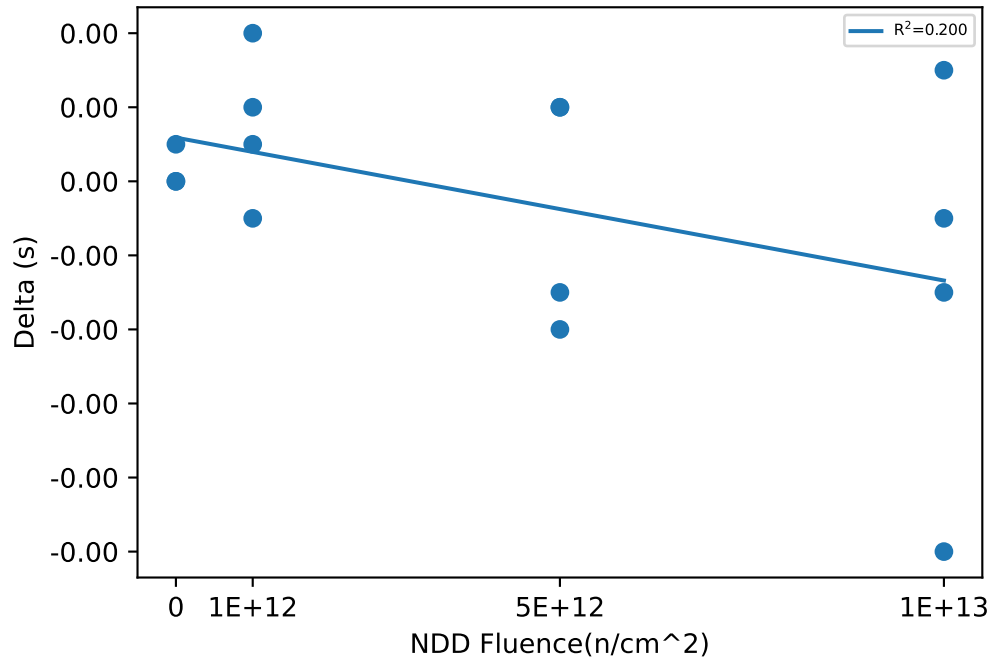
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.5272	0.5274	0.0002
314	1e+12	NDD Unbiased	0.5256	0.5255	-0.0001
315	1e+12	NDD Unbiased	0.5277	0.5281	0.0004
316	1e+12	NDD Unbiased	0.5248	0.5249	0.0001
317	5e+12	NDD Unbiased	0.5221	0.5223	0.0002
318	5e+12	NDD Unbiased	0.529	0.5286	-0.0004
320	5e+12	NDD Unbiased	0.5232	0.5229	-0.0003
321	5e+12	NDD Unbiased	0.5272	0.5274	0.0002
322	1e+13	NDD Unbiased	0.5176	0.5166	-0.001
323	1e+13	NDD Unbiased	0.5269	0.5268	-0.0001
324	1e+13	NDD Unbiased	0.5311	0.5314	0.0003
325	1e+13	NDD Unbiased	0.5268	0.5265	-0.0003
326	0	Correlation	0.5304	0.5304	0
327	0	Correlation	0.5208	0.5208	0
328	0	Correlation	0.5179	0.518	0.0001

NDD vs Post - Pre Exposure Delta

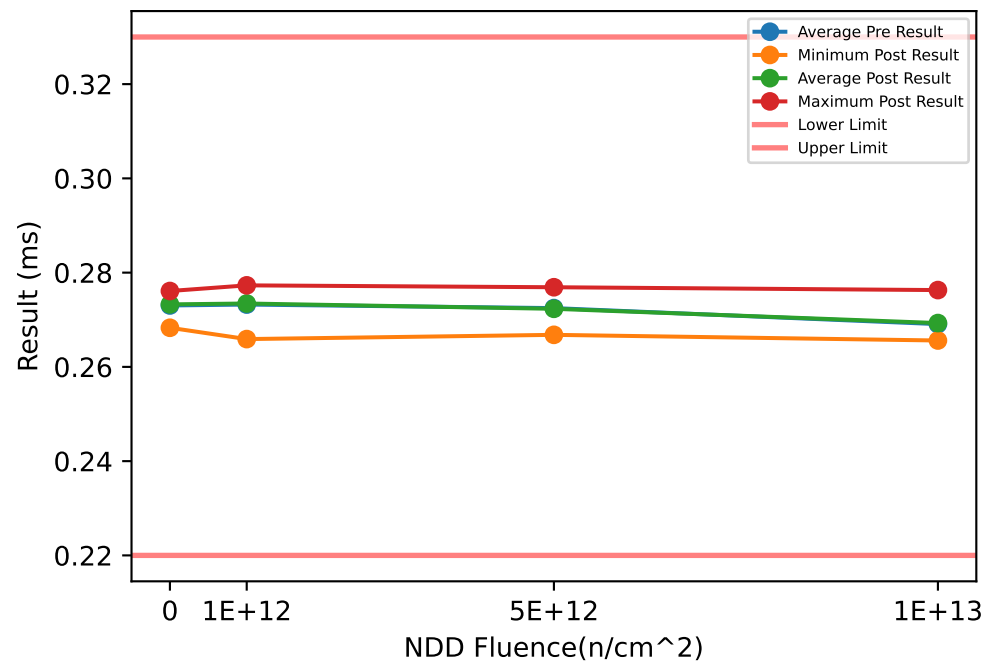


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5179	0.52303	0.5304	0.0065424	0.518	0.52307	0.5304	0.0065033	0	3.3333e-05	0.0001	5.7735e-05
1e+12	0.5248	0.52632	0.5277	0.0013549	0.5249	0.52648	0.5281	0.0015196	-0.0001	0.00015	0.0004	0.00020817
5e+12	0.5221	0.52538	0.529	0.0032623	0.5223	0.5253	0.5286	0.0031654	-0.0004	-7.5e-05	0.0002	0.00032016
1e+13	0.5176	0.5256	0.5311	0.0056974	0.5166	0.52533	0.5314	0.006234	-0.001	-0.000275	0.0003	0.00054391

Device Test: 5.24; DLY_TMR_10KOHM

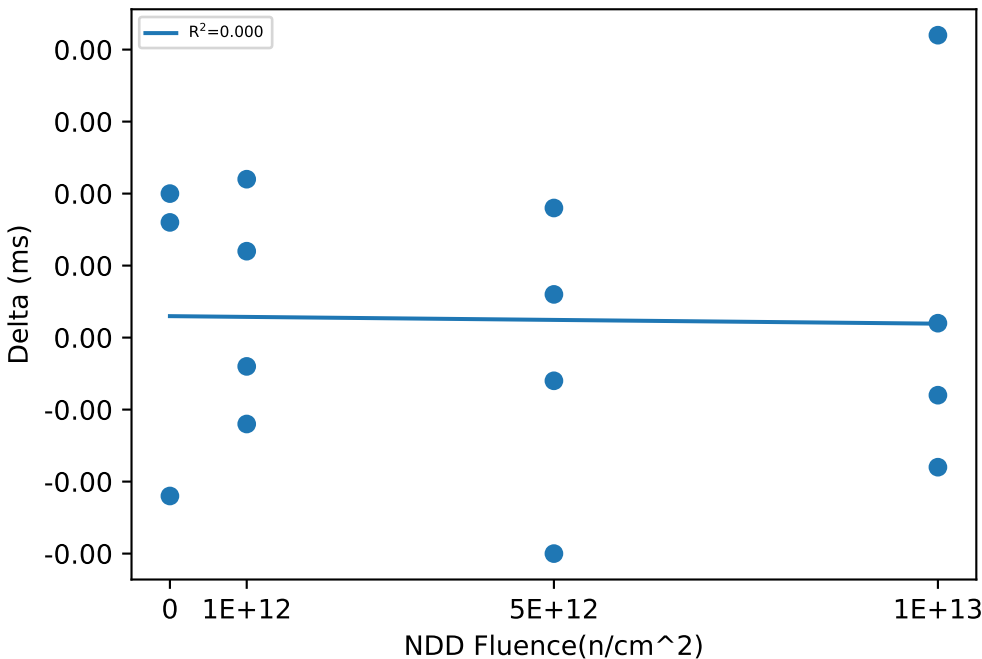
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2665	0.2659	-0.0006
314	1e+12	NDD Unbiased	0.2762	0.2773	0.0011
315	1e+12	NDD Unbiased	0.2745	0.2751	0.0006
316	1e+12	NDD Unbiased	0.2757	0.2755	-0.0002
317	5e+12	NDD Unbiased	0.2683	0.2668	-0.0015
318	5e+12	NDD Unbiased	0.2766	0.2769	0.0003
320	5e+12	NDD Unbiased	0.2766	0.2763	-0.0003
321	5e+12	NDD Unbiased	0.2684	0.2693	0.0009
322	1e+13	NDD Unbiased	0.2655	0.2656	0.0001
323	1e+13	NDD Unbiased	0.2666	0.2687	0.0021
324	1e+13	NDD Unbiased	0.2772	0.2763	-0.0009
325	1e+13	NDD Unbiased	0.267	0.2666	-0.0004
326	0	Correlation	0.2765	0.2754	-0.0011
327	0	Correlation	0.2753	0.2761	0.0008
328	0	Correlation	0.2673	0.2683	0.001

NDD vs Post - Pre Exposure Delta

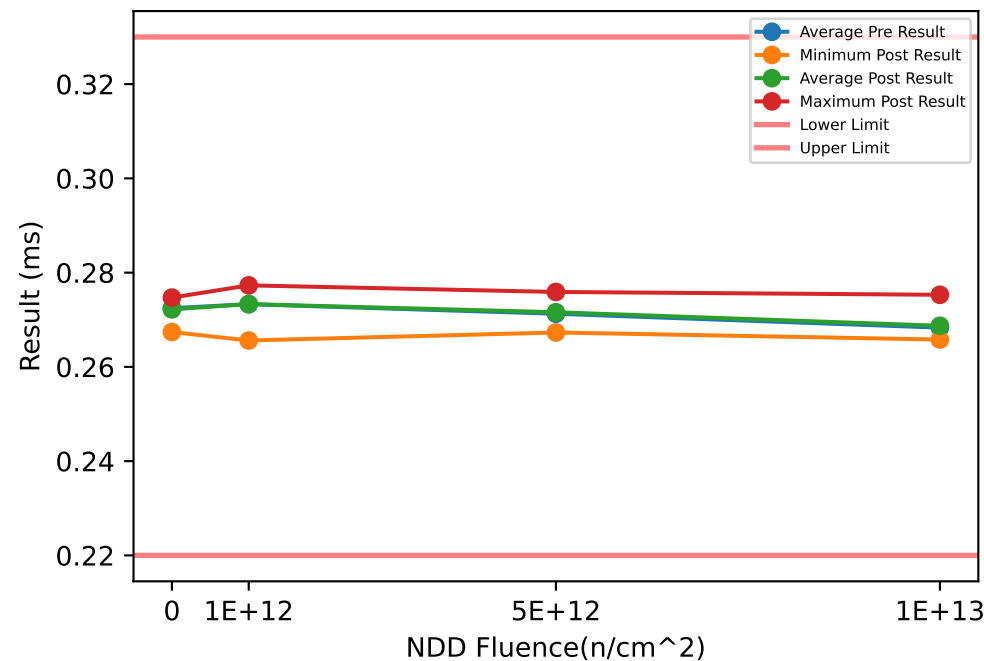


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2673	0.27303	0.2765	0.0050013	0.2683	0.27327	0.2761	0.0043155	-0.0011	0.00023333	0.001	0.001159
1e+12	0.2665	0.27322	0.2762	0.0045397	0.2659	0.27345	0.2773	0.0051235	-0.0006	0.000225	0.0011	0.00076757
5e+12	0.2683	0.27248	0.2766	0.0047633	0.2668	0.27232	0.2769	0.0050467	-0.0015	-0.00015	0.0009	0.0010247
1e+13	0.2655	0.26908	0.2772	0.0054537	0.2656	0.2693	0.2763	0.0048422	-0.0009	0.000225	0.0021	0.001315

Device Test: 5.25; DLY_TMR_10KOHM

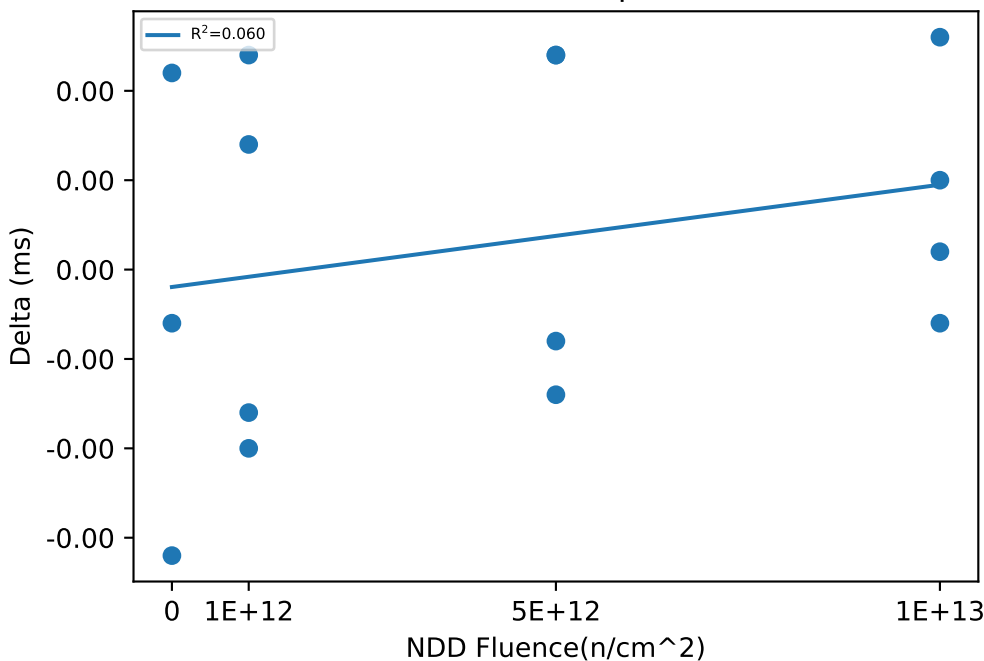
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2664	0.2656	-0.0008
314	1e+12	NDD Unbiased	0.2761	0.2773	0.0012
315	1e+12	NDD Unbiased	0.2754	0.2744	-0.001
316	1e+12	NDD Unbiased	0.2753	0.276	0.0007
317	5e+12	NDD Unbiased	0.2661	0.2673	0.0012
318	5e+12	NDD Unbiased	0.2747	0.2759	0.0012
320	5e+12	NDD Unbiased	0.2756	0.2752	-0.0004
321	5e+12	NDD Unbiased	0.2687	0.268	-0.0007
322	1e+13	NDD Unbiased	0.2661	0.2658	-0.0003
323	1e+13	NDD Unbiased	0.2662	0.2675	0.0013
324	1e+13	NDD Unbiased	0.2752	0.2753	0.0001
325	1e+13	NDD Unbiased	0.2658	0.2663	0.0005
326	0	Correlation	0.275	0.2747	-0.0003
327	0	Correlation	0.2761	0.2745	-0.0016
328	0	Correlation	0.2663	0.2674	0.0011

NDD vs Post - Pre Exposure Delta

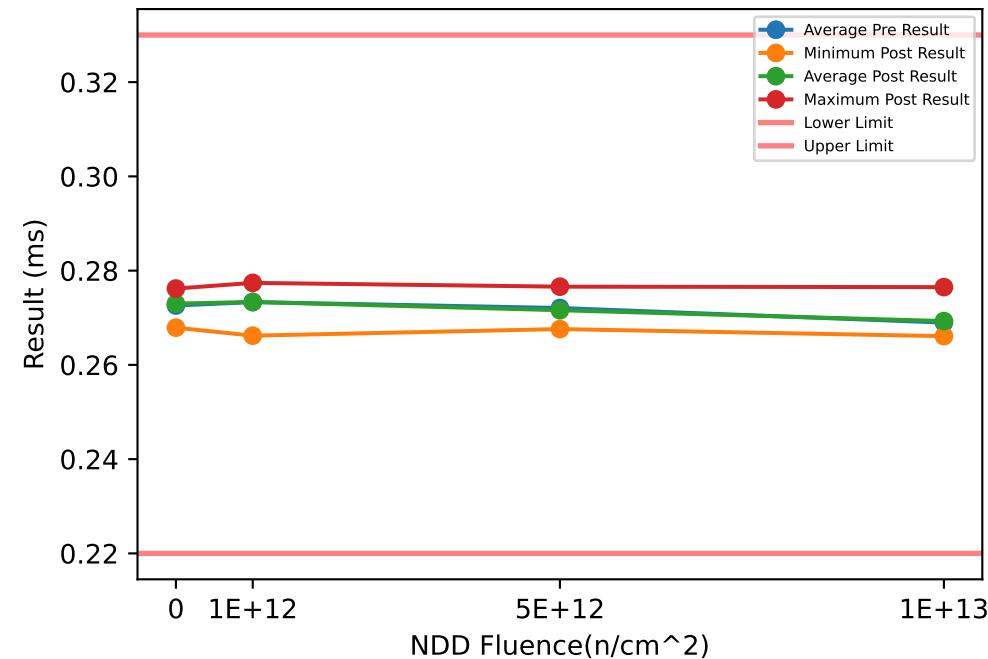


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2663	0.27247	0.2761	0.0053687	0.2674	0.2722	0.2747	0.0041581	-0.0016	-0.00026667	0.0011	0.0013503
1e+12	0.2664	0.2733	0.2761	0.0046137	0.2656	0.27332	0.2773	0.0052848	-0.001	2.5e-05	0.0012	0.0010905
5e+12	0.2661	0.27127	0.2756	0.0046133	0.2673	0.2716	0.2759	0.0045789	-0.0007	0.000325	0.0012	0.0010178
1e+13	0.2658	0.26832	0.2752	0.0045865	0.2658	0.26872	0.2753	0.004441	-0.0003	0.0004	0.0013	0.00068313

Device Test: 5.26; DLY_TMR_10KOHM

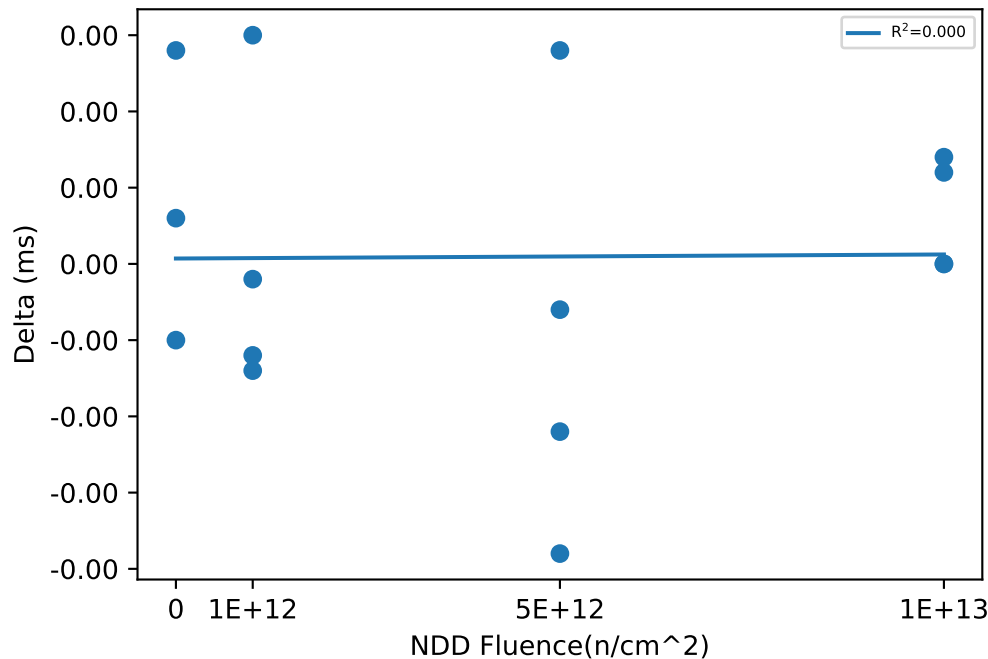
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2669	0.2662	-0.0007
314	1e+12	NDD Unbiased	0.2759	0.2774	0.0015
315	1e+12	NDD Unbiased	0.2745	0.2744	-0.0001
316	1e+12	NDD Unbiased	0.276	0.2754	-0.0006
317	5e+12	NDD Unbiased	0.2663	0.2677	0.0014
318	5e+12	NDD Unbiased	0.2769	0.2766	-0.0003
320	5e+12	NDD Unbiased	0.2764	0.2745	-0.0019
321	5e+12	NDD Unbiased	0.2687	0.2676	-0.0011
322	1e+13	NDD Unbiased	0.2661	0.2661	0
323	1e+13	NDD Unbiased	0.2679	0.2679	0
324	1e+13	NDD Unbiased	0.2759	0.2765	0.0006
325	1e+13	NDD Unbiased	0.266	0.2667	0.0007
326	0	Correlation	0.2748	0.2762	0.0014
327	0	Correlation	0.2754	0.2749	-0.0005
328	0	Correlation	0.2676	0.2679	0.0003

NDD vs Post - Pre Exposure Delta

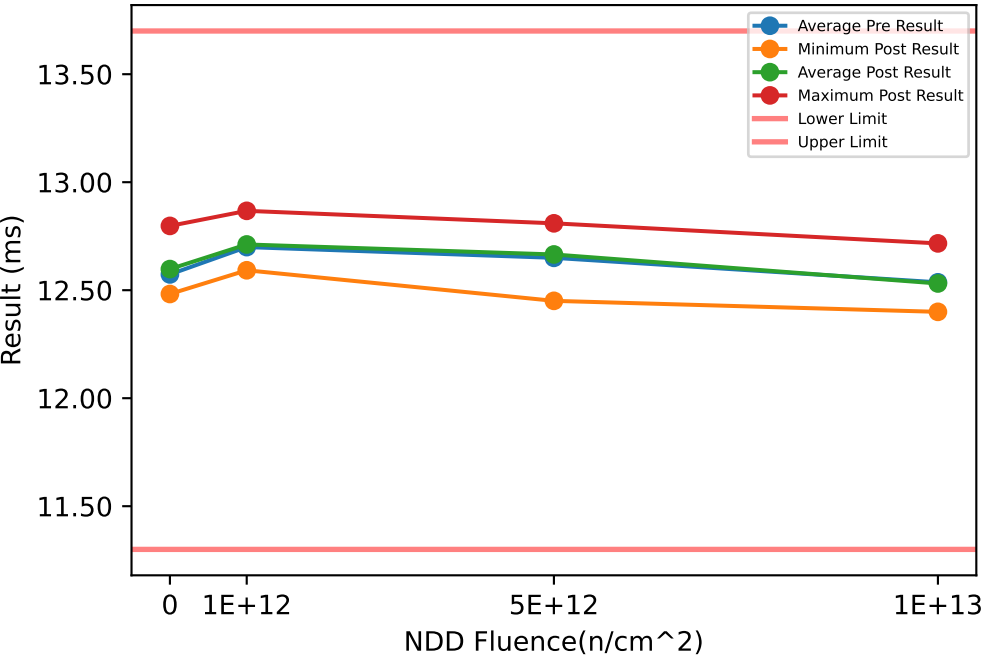


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2676	0.2726	0.2754	0.0043405	0.2679	0.273	0.2762	0.0044643	-0.0005	0.0004	0.0014	0.00095394
1e+12	0.2669	0.27333	0.276	0.0043377	0.2662	0.27335	0.2774	0.0049271	-0.0007	2.5e-05	0.0015	0.0010178
5e+12	0.2663	0.27207	0.2769	0.0053767	0.2676	0.2716	0.2766	0.0046411	-0.0019	-0.000475	0.0014	0.0014104
1e+13	0.266	0.26898	0.2759	0.0046985	0.2661	0.2693	0.2765	0.004858	0	0.000325	0.0007	0.00037749

Device Test: 5.27; DLY_TMR_500KOHM

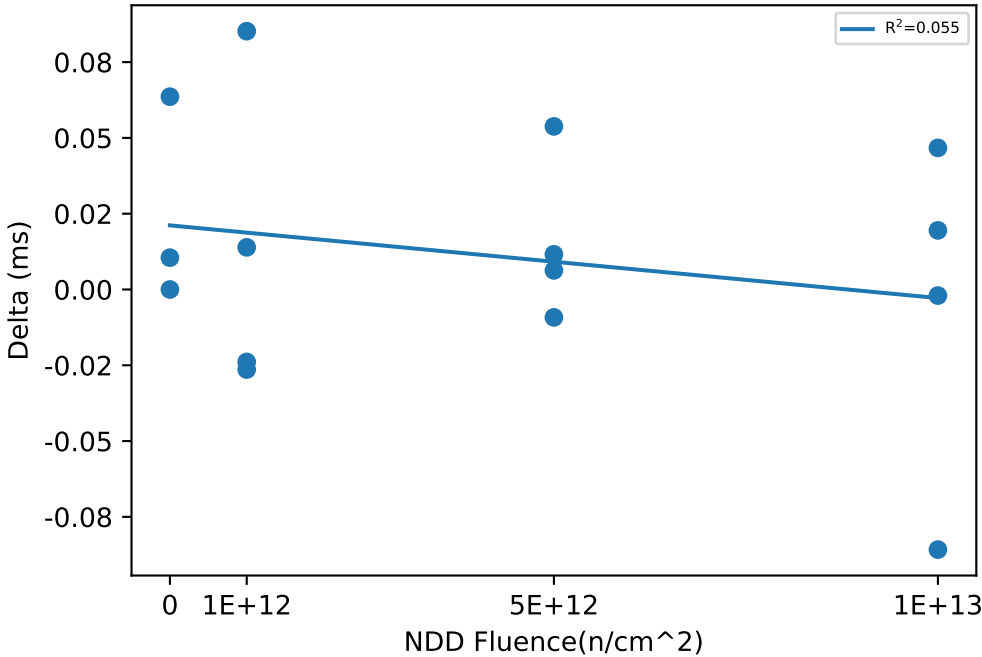
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.655	12.632	-0.0239
314	1e+12	NDD Unbiased	12.742	12.756	0.0139
315	1e+12	NDD Unbiased	12.619	12.592	-0.0264
316	1e+12	NDD Unbiased	12.782	12.867	0.0852
317	5e+12	NDD Unbiased	12.46	12.451	-0.0092
318	5e+12	NDD Unbiased	12.7	12.712	0.0116
320	5e+12	NDD Unbiased	12.756	12.81	0.0538
321	5e+12	NDD Unbiased	12.683	12.69	0.0063
322	1e+13	NDD Unbiased	12.48	12.5	0.0195
323	1e+13	NDD Unbiased	12.486	12.4	-0.0858
324	1e+13	NDD Unbiased	12.67	12.717	0.0467
325	1e+13	NDD Unbiased	12.51	12.508	-0.002
326	0	Correlation	12.503	12.513	0.0105
327	0	Correlation	12.798	12.798	0
328	0	Correlation	12.419	12.482	0.0636

NDD vs Post - Pre Exposure Delta

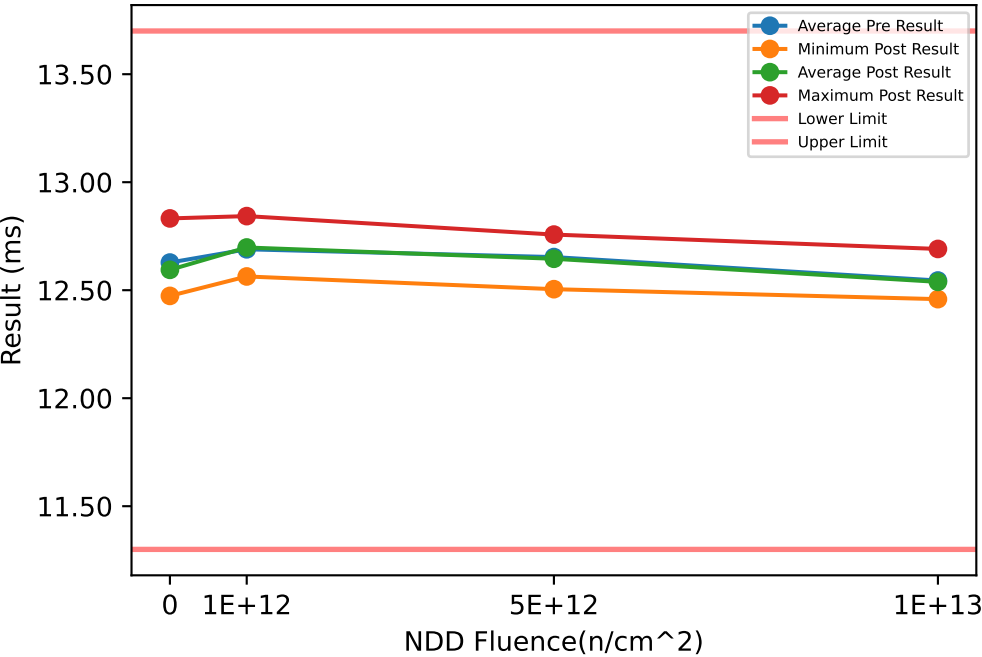


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.419	12.573	12.798	0.19892	12.482	12.598	12.798	0.17372	0	0.0247	0.0636	0.034095
1e+12	12.619	12.7	12.782	0.075538	12.592	12.712	12.867	0.12501	-0.0264	0.0122	0.0852	0.052042
5e+12	12.46	12.65	12.756	0.13035	12.451	12.665	12.81	0.15236	-0.0092	0.015625	0.0538	0.026937
1e+13	12.48	12.537	12.67	0.089932	12.4	12.531	12.717	0.13316	-0.0858	-0.0054	0.0467	0.057184

Device Test: 5.28; DLY_TMR_500KOHM

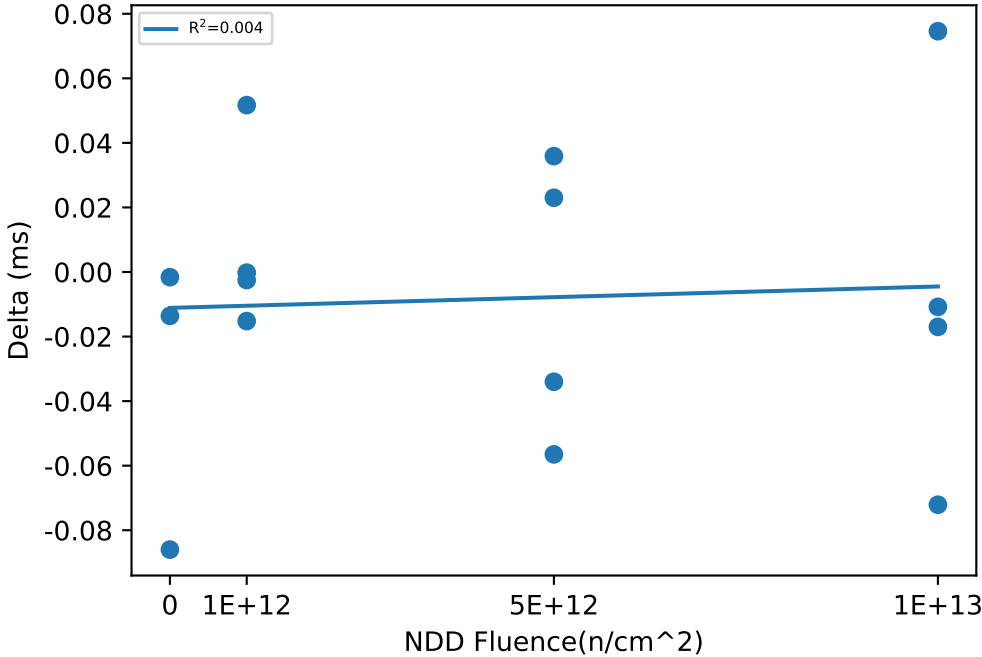
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.619	12.671	0.0517
314	1e+12	NDD Unbiased	12.714	12.714	-0.0002
315	1e+12	NDD Unbiased	12.579	12.564	-0.0152
316	1e+12	NDD Unbiased	12.845	12.843	-0.0025
317	5e+12	NDD Unbiased	12.539	12.505	-0.034
318	5e+12	NDD Unbiased	12.634	12.67	0.0359
320	5e+12	NDD Unbiased	12.814	12.758	-0.0565
321	5e+12	NDD Unbiased	12.627	12.65	0.023
322	1e+13	NDD Unbiased	12.533	12.461	-0.0721
323	1e+13	NDD Unbiased	12.469	12.459	-0.0108
324	1e+13	NDD Unbiased	12.616	12.691	0.0746
325	1e+13	NDD Unbiased	12.56	12.543	-0.017
326	0	Correlation	12.56	12.474	-0.086
327	0	Correlation	12.846	12.832	-0.0136
328	0	Correlation	12.479	12.477	-0.0016

NDD vs Post - Pre Exposure Delta

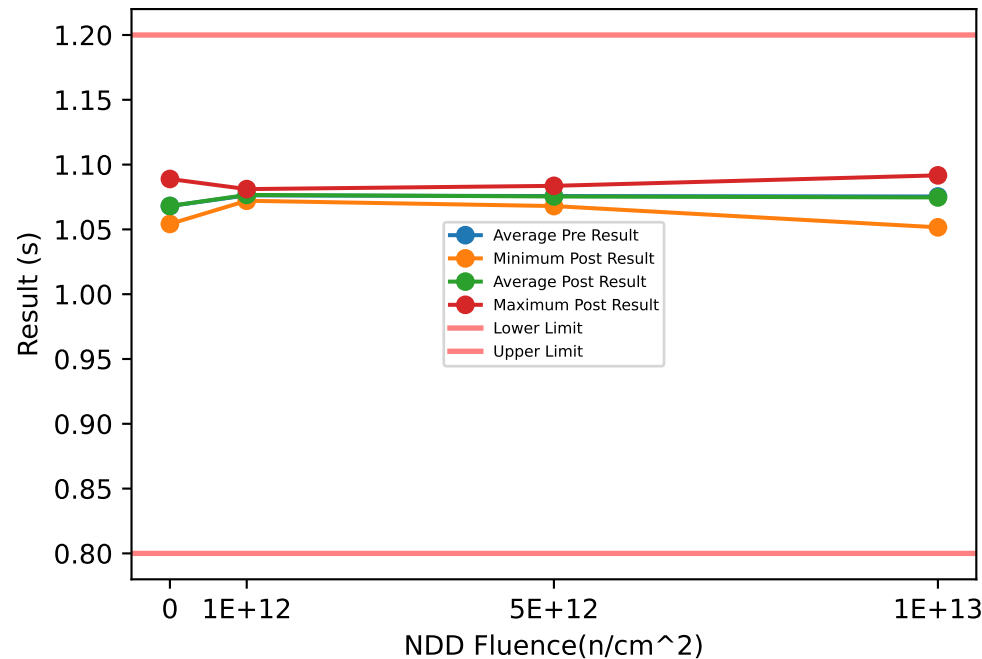


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.479	12.628	12.846	0.19301	12.474	12.594	12.832	0.20615	-0.086	-0.033733	-0.0016	0.04566
1e+12	12.579	12.689	12.845	0.11851	12.564	12.698	12.843	0.11557	-0.0152	0.00845	0.0517	0.029578
5e+12	12.539	12.653	12.814	0.11551	12.505	12.645	12.758	0.10483	-0.0565	-0.0079	0.0359	0.044409
1e+13	12.469	12.545	12.616	0.061043	12.459	12.539	12.691	0.10897	-0.0721	-0.006325	0.0746	0.060578

Device Test: 5.29; WD_TMR_500KOHM

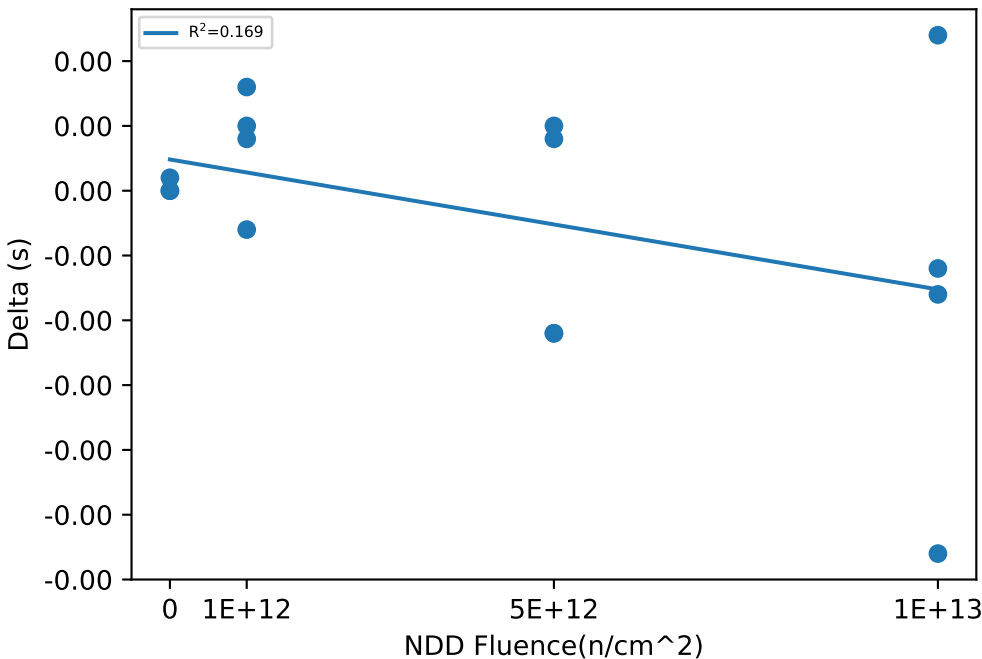
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0805	1.081	0.0005
314	1e+12	NDD Unbiased	1.0725	1.0722	-0.0003
315	1e+12	NDD Unbiased	1.0803	1.0811	0.0008
316	1e+12	NDD Unbiased	1.0717	1.0721	0.0004
317	5e+12	NDD Unbiased	1.0687	1.0691	0.0004
318	5e+12	NDD Unbiased	1.0847	1.0836	-0.0011
320	5e+12	NDD Unbiased	1.0691	1.068	-0.0011
321	5e+12	NDD Unbiased	1.0804	1.0809	0.0005
322	1e+13	NDD Unbiased	1.0544	1.0516	-0.0028
323	1e+13	NDD Unbiased	1.0774	1.0768	-0.0006
324	1e+13	NDD Unbiased	1.0905	1.0917	0.0012
325	1e+13	NDD Unbiased	1.0793	1.0785	-0.0008
326	0	Correlation	1.0889	1.0889	0
327	0	Correlation	1.0611	1.0611	0
328	0	Correlation	1.0541	1.0542	0.0001

NDD vs Post - Pre Exposure Delta

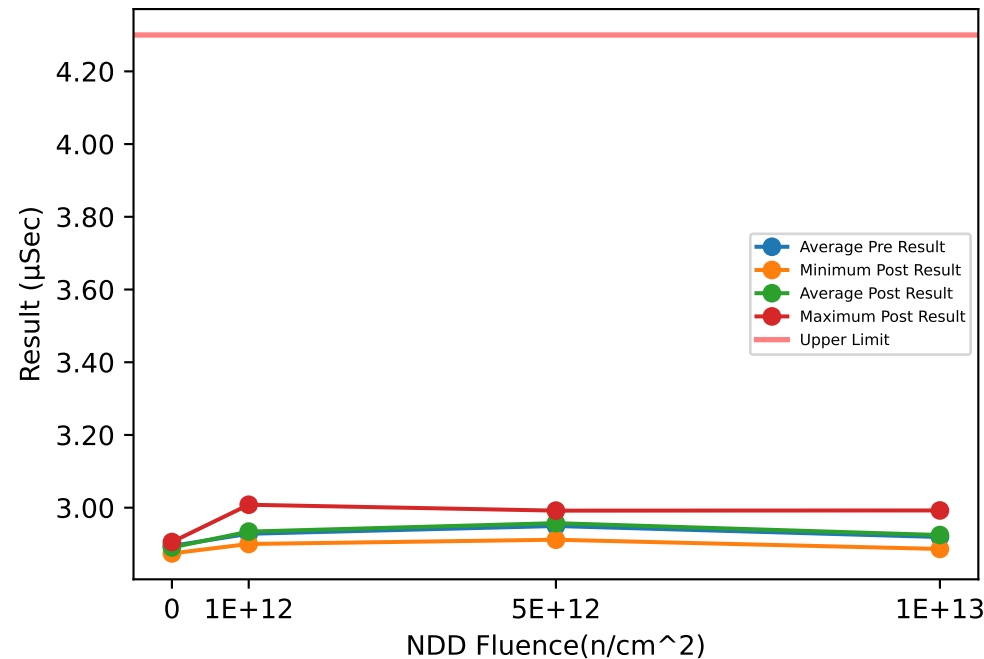


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0541	1.068	1.0889	0.018407	1.0542	1.0681	1.0889	0.018369	0	3.3333e-05	0.0001	5.7735e-05
1e+12	1.0717	1.0762	1.0805	0.0048038	1.0721	1.0766	1.0811	0.0051387	-0.0003	0.00035	0.0008	0.00046547
5e+12	1.0687	1.0757	1.0847	0.0080756	1.068	1.0754	1.0836	0.0079987	-0.0011	-0.000325	0.0005	0.00089582
1e+13	1.0544	1.0754	1.0905	0.015146	1.0516	1.0747	1.0917	0.016748	-0.0028	-0.00075	0.0012	0.0016361

Device Test: 5.3; PROPD_PWRGD

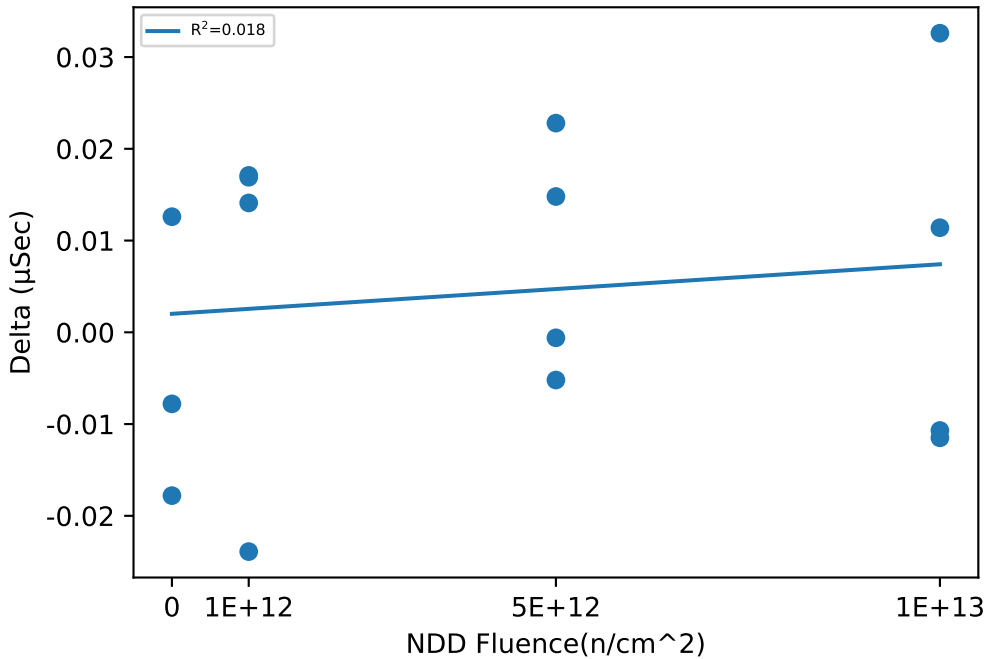
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.991	3.0081	0.0171
314	1e+12	NDD Unbiased	2.8978	2.9119	0.0141
315	1e+12	NDD Unbiased	2.8833	2.9002	0.0169
316	1e+12	NDD Unbiased	2.9407	2.9168	-0.0239
317	5e+12	NDD Unbiased	2.9971	2.9919	-0.0052
318	5e+12	NDD Unbiased	2.9375	2.9523	0.0148
320	5e+12	NDD Unbiased	2.9512	2.974	0.0228
321	5e+12	NDD Unbiased	2.9125	2.9119	-0.0006
322	1e+13	NDD Unbiased	3.0031	2.9924	-0.0107
323	1e+13	NDD Unbiased	2.8739	2.9065	0.0326
324	1e+13	NDD Unbiased	2.9023	2.9137	0.0114
325	1e+13	NDD Unbiased	2.898	2.8865	-0.0115
326	0	Correlation	2.8921	2.8743	-0.0178
327	0	Correlation	2.893	2.9056	0.0126
328	0	Correlation	2.8998	2.892	-0.0078

NDD vs Post - Pre Exposure Delta

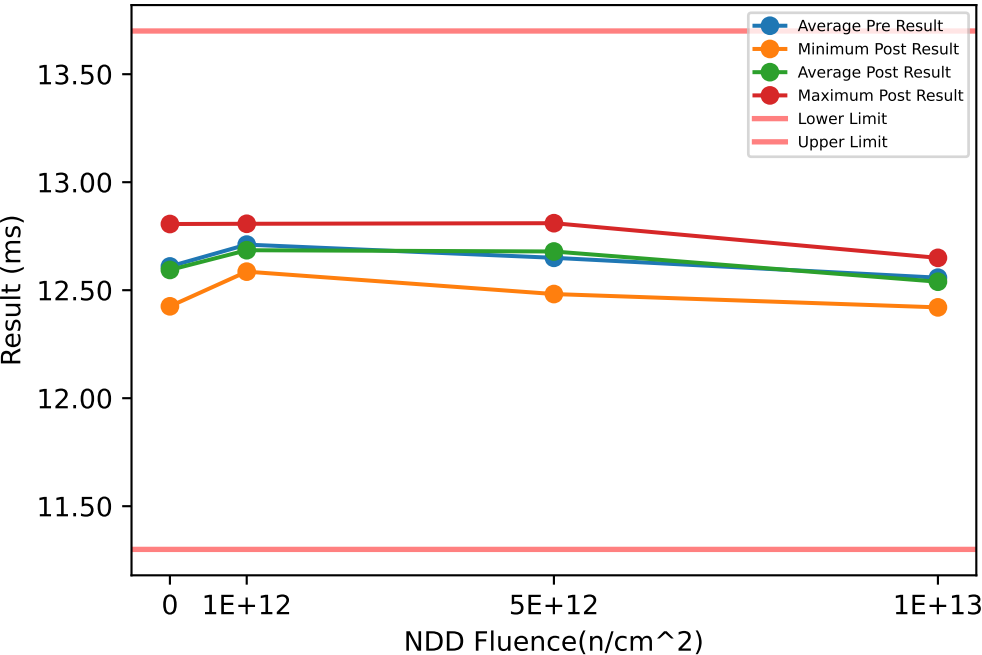


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8921	2.895	2.8998	0.0042099	2.8743	2.8906	2.9056	0.015695	-0.0178	-0.0043333	0.0126	0.015494
1e+12	2.8833	2.9282	2.991	0.048443	2.9002	2.9343	3.0081	0.049723	-0.0239	0.00605	0.0171	0.020014
5e+12	2.9125	2.9496	2.9971	0.035504	2.9119	2.9575	2.9919	0.034458	-0.0052	0.00795	0.0228	0.013083
1e+13	2.8739	2.9193	3.0031	0.057231	2.8865	2.9248	2.9924	0.046529	-0.0115	0.00545	0.0326	0.020981

Device Test: 5.30; DLY_TMR_500KOHM

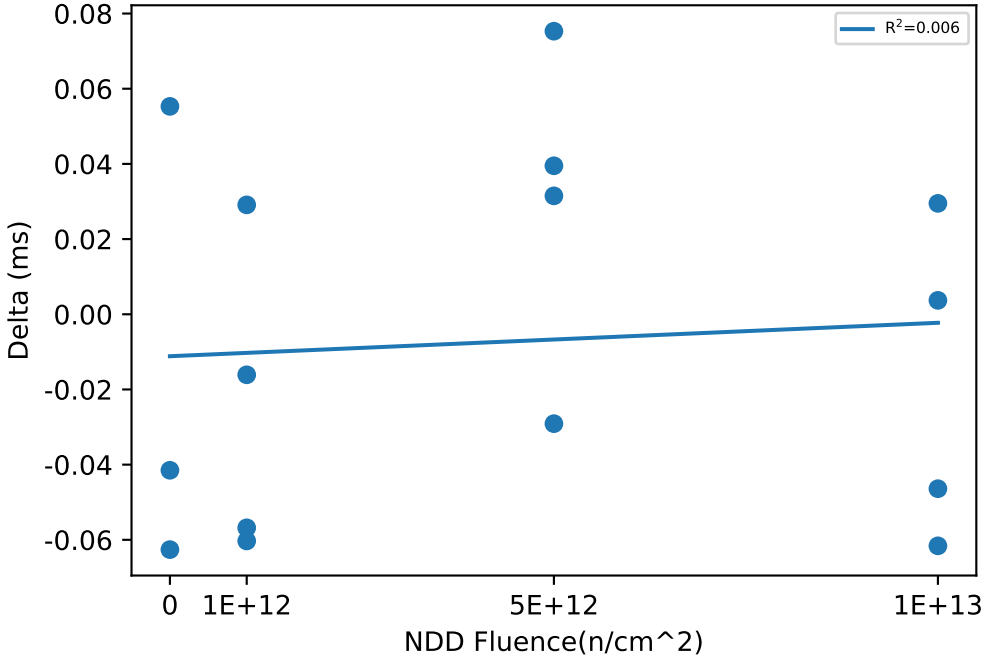
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.69	12.633	-0.0568
314	1e+12	NDD Unbiased	12.729	12.713	-0.0161
315	1e+12	NDD Unbiased	12.646	12.586	-0.0603
316	1e+12	NDD Unbiased	12.778	12.807	0.0291
317	5e+12	NDD Unbiased	12.511	12.482	-0.0291
318	5e+12	NDD Unbiased	12.649	12.724	0.0753
320	5e+12	NDD Unbiased	12.771	12.81	0.0395
321	5e+12	NDD Unbiased	12.669	12.701	0.0315
322	1e+13	NDD Unbiased	12.549	12.553	0.0037
323	1e+13	NDD Unbiased	12.482	12.421	-0.0616
324	1e+13	NDD Unbiased	12.696	12.65	-0.0464
325	1e+13	NDD Unbiased	12.505	12.534	0.0295
326	0	Correlation	12.494	12.55	0.0553
327	0	Correlation	12.869	12.806	-0.0626
328	0	Correlation	12.467	12.425	-0.0415

NDD vs Post - Pre Exposure Delta

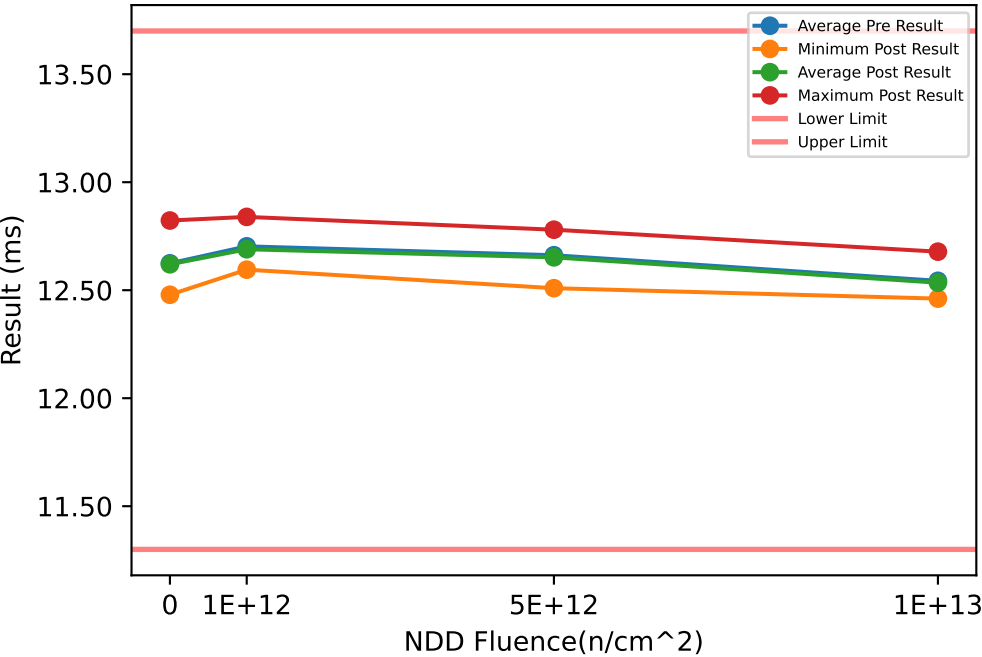


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.467	12.61	12.869	0.22469	12.425	12.594	12.806	0.19432	-0.0626	-0.016267	0.0553	0.06287
1e+12	12.646	12.711	12.778	0.05631	12.586	12.685	12.807	0.097101	-0.0603	-0.026025	0.0291	0.041869
5e+12	12.511	12.65	12.771	0.10673	12.482	12.679	12.81	0.13955	-0.0291	0.0293	0.0753	0.043341
1e+13	12.482	12.558	12.696	0.0962	12.421	12.539	12.65	0.094005	-0.0616	-0.0187	0.0295	0.042555

Device Test: 5.31; DLY_TMR_500KOHM

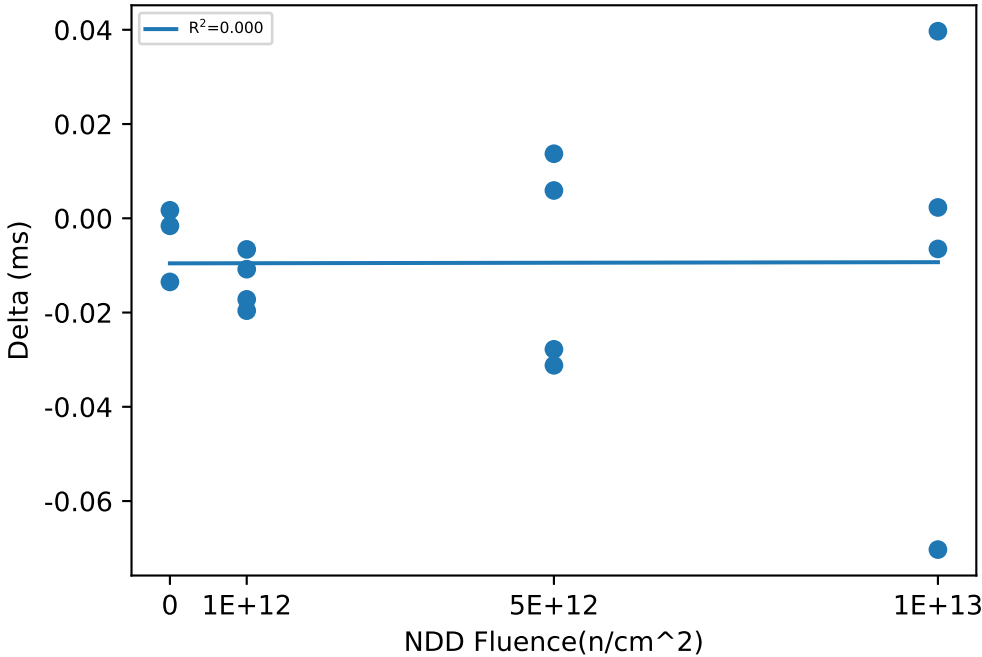
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.606	12.595	-0.0108
314	1e+12	NDD Unbiased	12.715	12.697	-0.0172
315	1e+12	NDD Unbiased	12.646	12.626	-0.0196
316	1e+12	NDD Unbiased	12.846	12.839	-0.0066
317	5e+12	NDD Unbiased	12.54	12.509	-0.0312
318	5e+12	NDD Unbiased	12.658	12.672	0.0137
320	5e+12	NDD Unbiased	12.808	12.78	-0.0278
321	5e+12	NDD Unbiased	12.641	12.647	0.0059
322	1e+13	NDD Unbiased	12.533	12.462	-0.0703
323	1e+13	NDD Unbiased	12.468	12.461	-0.0065
324	1e+13	NDD Unbiased	12.639	12.678	0.0397
325	1e+13	NDD Unbiased	12.535	12.537	0.0023
326	0	Correlation	12.56	12.558	-0.0016
327	0	Correlation	12.836	12.823	-0.0135
328	0	Correlation	12.477	12.479	0.0017

NDD vs Post - Pre Exposure Delta

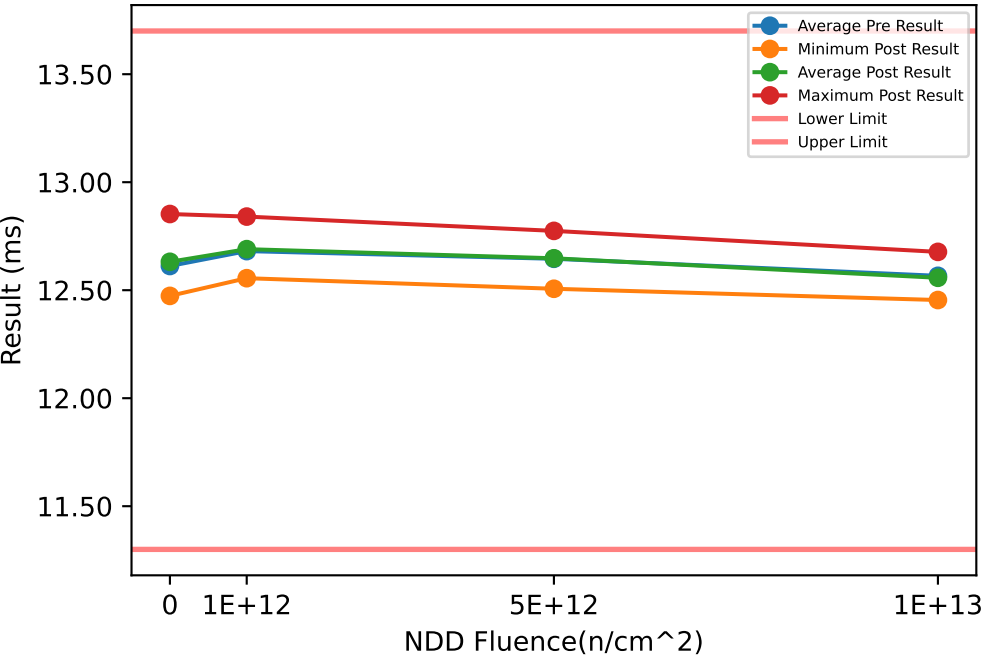


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.477	12.624	12.836	0.18796	12.479	12.62	12.823	0.17997	-0.0135	-0.0044667	0.0017	0.0079952
1e+12	12.606	12.703	12.846	0.10529	12.595	12.69	12.839	0.10866	-0.0196	-0.01355	-0.0066	0.0059383
5e+12	12.54	12.662	12.808	0.11029	12.509	12.652	12.78	0.11134	-0.0312	-0.00985	0.0137	0.022954
1e+13	12.468	12.543	12.639	0.070753	12.461	12.535	12.678	0.10214	-0.0703	-0.0087	0.0397	0.045691

Device Test: 5.32; DLY_TMR_500KOHM

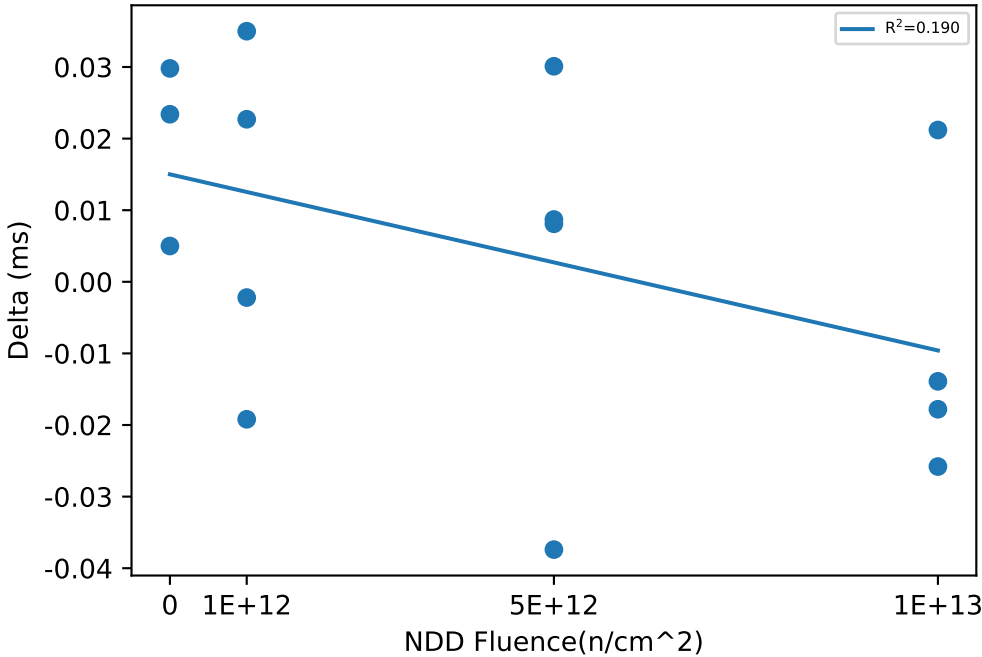
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.617	12.652	0.035
314	1e+12	NDD Unbiased	12.689	12.711	0.0227
315	1e+12	NDD Unbiased	12.575	12.556	-0.0192
316	1e+12	NDD Unbiased	12.843	12.841	-0.0022
317	5e+12	NDD Unbiased	12.498	12.507	0.0081
318	5e+12	NDD Unbiased	12.632	12.662	0.0301
320	5e+12	NDD Unbiased	12.812	12.775	-0.0374
321	5e+12	NDD Unbiased	12.639	12.648	0.0087
322	1e+13	NDD Unbiased	12.537	12.558	0.0212
323	1e+13	NDD Unbiased	12.468	12.454	-0.0139
324	1e+13	NDD Unbiased	12.695	12.677	-0.0178
325	1e+13	NDD Unbiased	12.566	12.54	-0.0258
326	0	Correlation	12.538	12.568	0.0298
327	0	Correlation	12.848	12.853	0.005
328	0	Correlation	12.45	12.474	0.0234

NDD vs Post - Pre Exposure Delta

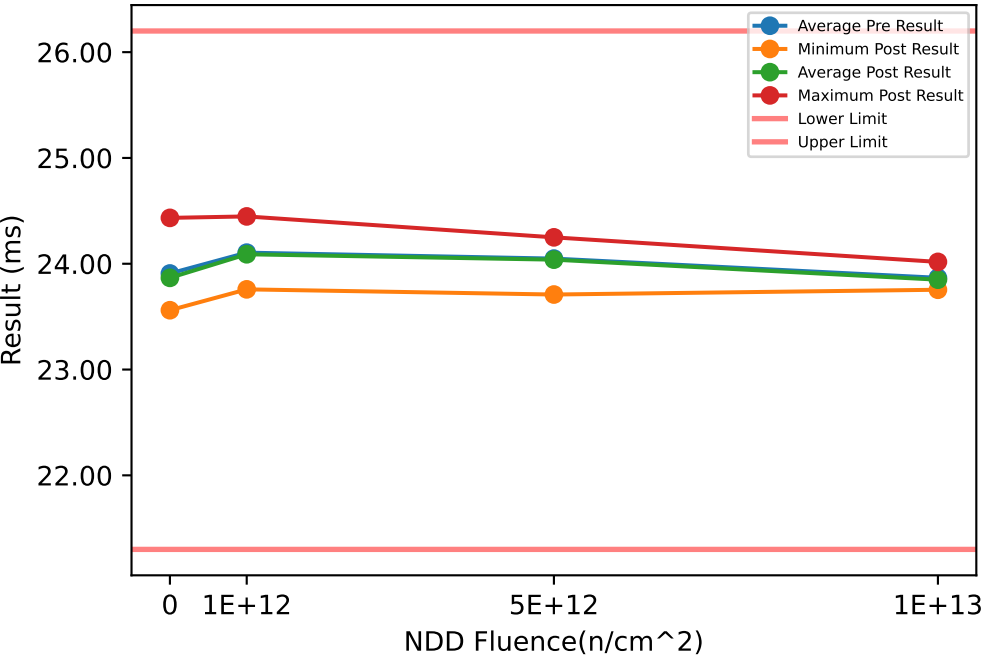


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.45	12.612	12.848	0.20876	12.474	12.631	12.853	0.19733	0.005	0.0194	0.0298	0.012875
1e+12	12.575	12.681	12.843	0.11779	12.556	12.69	12.841	0.11926	-0.0192	0.009075	0.035	0.024388
5e+12	12.498	12.645	12.812	0.12852	12.507	12.648	12.775	0.10988	-0.0374	0.002375	0.0301	0.028422
1e+13	12.468	12.567	12.695	0.095012	12.454	12.557	12.677	0.091811	-0.0258	-0.009075	0.0212	0.020782

Device Test: 5.33; DLY_TMR_1MOHM

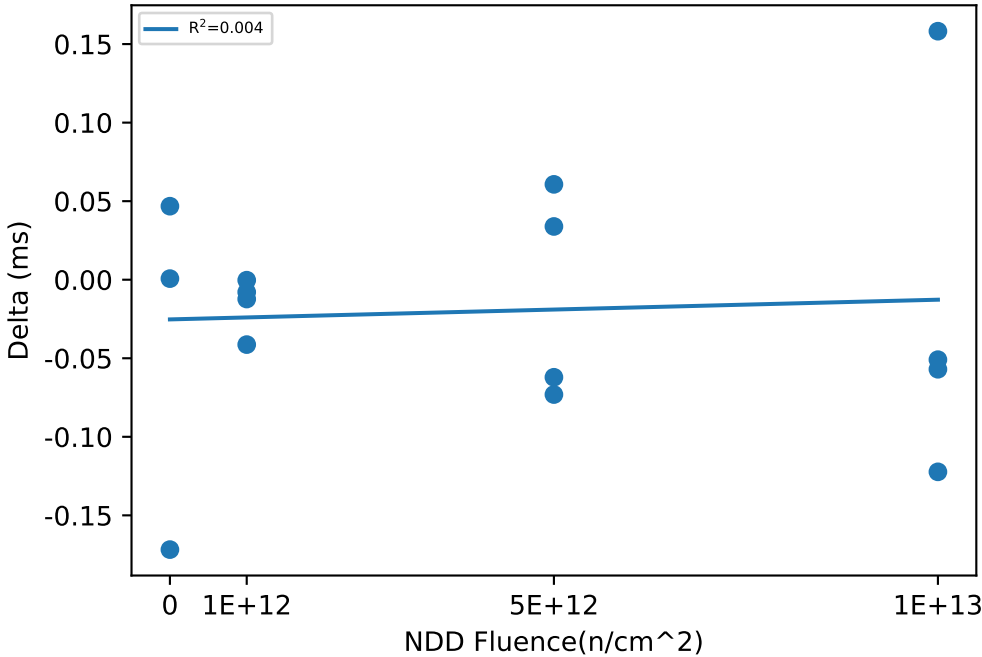
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.139	24.098	-0.0413
314	1e+12	NDD Unbiased	24.063	24.055	-0.0079
315	1e+12	NDD Unbiased	23.77	23.758	-0.0123
316	1e+12	NDD Unbiased	24.448	24.447	-0.0003
317	5e+12	NDD Unbiased	23.771	23.709	-0.0621
318	5e+12	NDD Unbiased	23.966	24	0.0339
320	5e+12	NDD Unbiased	24.323	24.25	-0.0731
321	5e+12	NDD Unbiased	24.136	24.196	0.0607
322	1e+13	NDD Unbiased	23.956	23.834	-0.1223
323	1e+13	NDD Unbiased	23.596	23.754	0.1582
324	1e+13	NDD Unbiased	24.069	24.018	-0.0509
325	1e+13	NDD Unbiased	23.849	23.792	-0.057
326	0	Correlation	23.733	23.561	-0.1718
327	0	Correlation	24.387	24.434	0.0468
328	0	Correlation	23.605	23.606	0.0007

NDD vs Post - Pre Exposure Delta

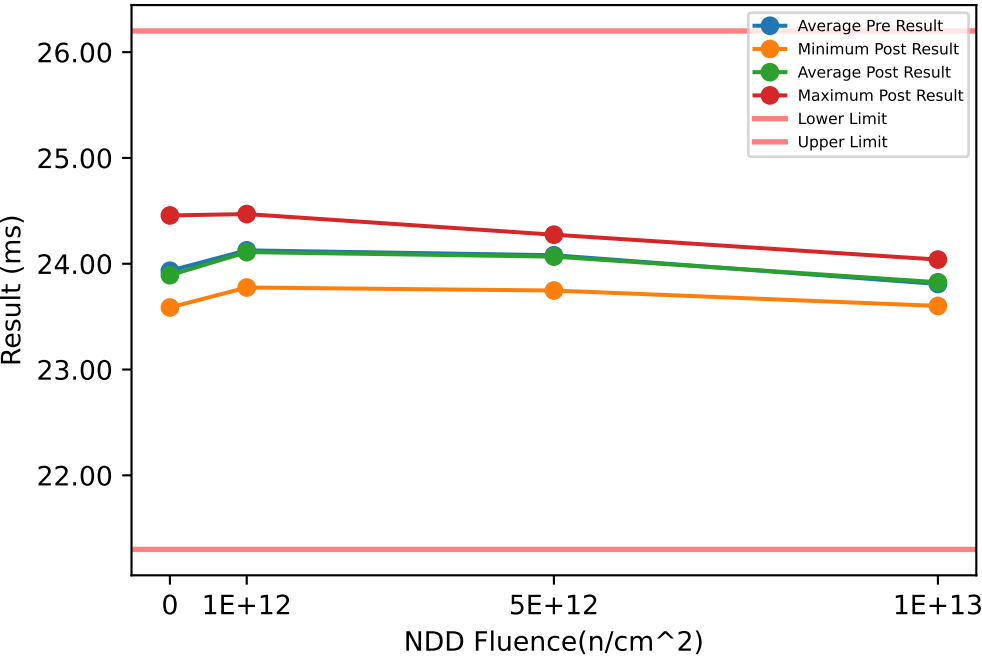


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.605	23.908	24.387	0.41948	23.561	23.867	24.434	0.49152	-0.1718	-0.041433	0.0468	0.11523
1e+12	23.77	24.105	24.448	0.27834	23.758	24.09	24.447	0.2824	-0.0413	-0.01545	-0.0003	0.017932
5e+12	23.771	24.049	24.323	0.23558	23.709	24.039	24.25	0.24457	-0.0731	-0.01015	0.0607	0.067384
1e+13	23.596	23.867	24.069	0.20192	23.754	23.849	24.018	0.1168	-0.1223	-0.018	0.1582	0.12183

Device Test: 5.34; DLY_TMR_1MOHM

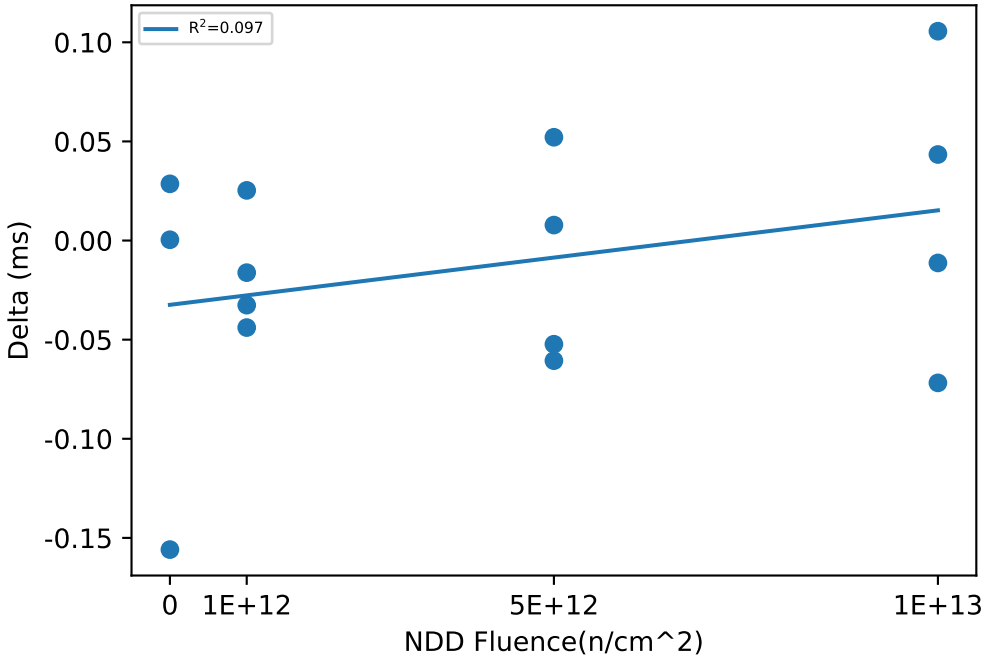
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.165	24.121	-0.0439
314	1e+12	NDD Unbiased	24.089	24.073	-0.0162
315	1e+12	NDD Unbiased	23.808	23.775	-0.0326
316	1e+12	NDD Unbiased	24.444	24.47	0.0253
317	5e+12	NDD Unbiased	23.799	23.747	-0.0523
318	5e+12	NDD Unbiased	23.972	24.024	0.0521
320	5e+12	NDD Unbiased	24.335	24.275	-0.0606
321	5e+12	NDD Unbiased	24.215	24.223	0.0078
322	1e+13	NDD Unbiased	23.811	23.854	0.0434
323	1e+13	NDD Unbiased	23.613	23.601	-0.0113
324	1e+13	NDD Unbiased	23.934	24.039	0.1056
325	1e+13	NDD Unbiased	23.878	23.806	-0.0718
326	0	Correlation	23.742	23.587	-0.1559
327	0	Correlation	24.456	24.456	0.0004
328	0	Correlation	23.603	23.631	0.0286

NDD vs Post - Pre Exposure Delta

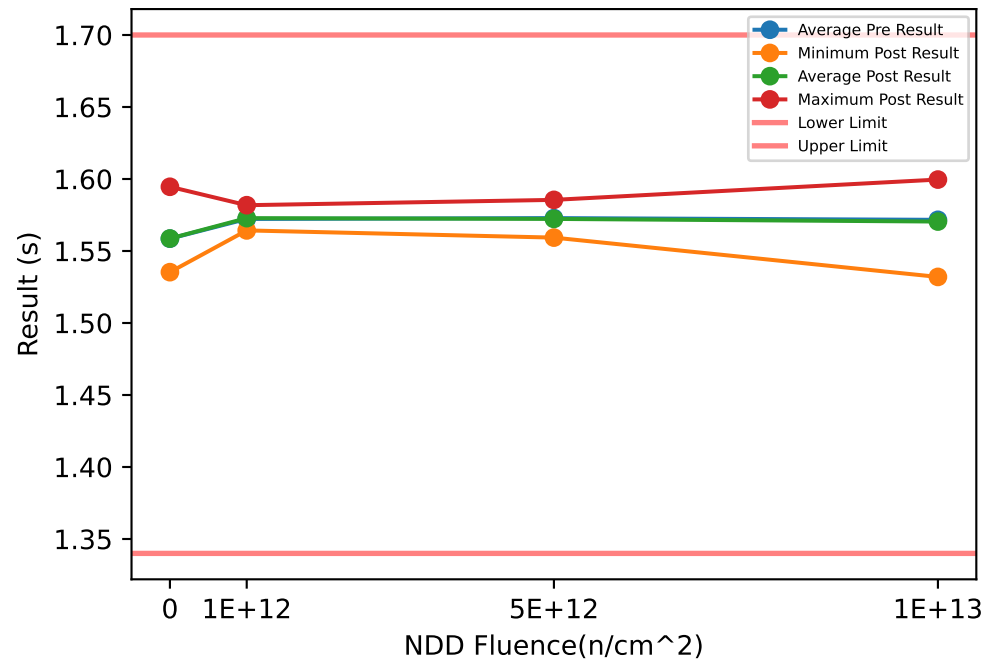


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.603	23.934	24.456	0.45765	23.587	23.892	24.456	0.48979	-0.1559	-0.0423	0.0286	0.099386
1e+12	23.808	24.127	24.444	0.26169	23.775	24.11	24.47	0.28454	-0.0439	-0.01685	0.0253	0.030314
5e+12	23.799	24.081	24.335	0.24067	23.747	24.067	24.275	0.23916	-0.0606	-0.01325	0.0521	0.053168
1e+13	23.613	23.809	23.934	0.14013	23.601	23.825	24.039	0.18007	-0.0718	0.016475	0.1056	0.07579

Device Test: 5.35; WD_TMR_1MOHM

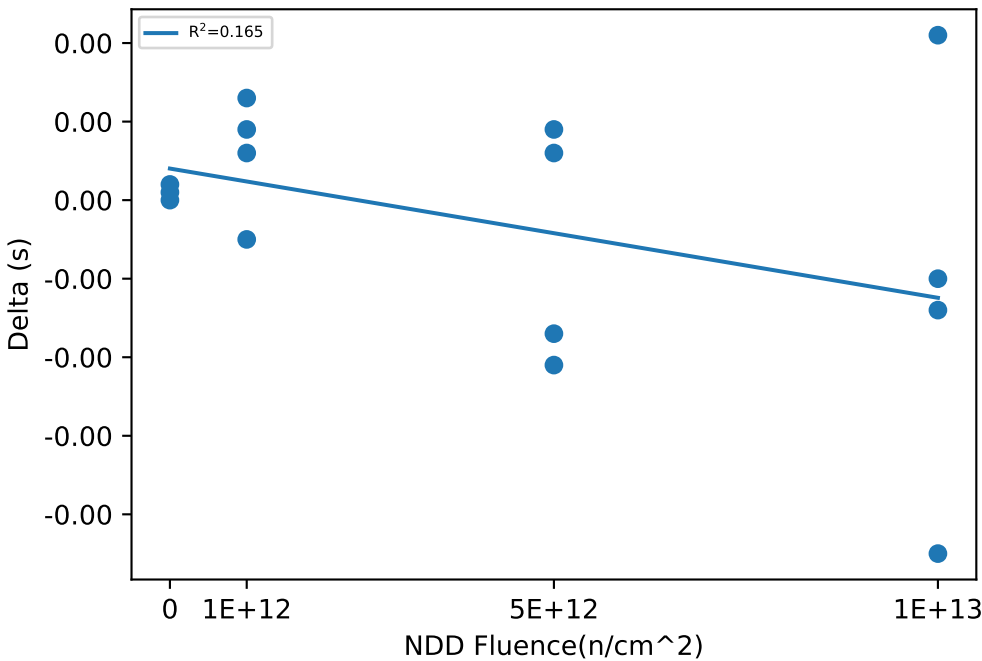
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.5809	1.5818	0.0009
314	1e+12	NDD Unbiased	1.5648	1.5643	-0.0005
315	1e+12	NDD Unbiased	1.5792	1.5805	0.0013
316	1e+12	NDD Unbiased	1.5641	1.5647	0.0006
317	5e+12	NDD Unbiased	1.5625	1.5631	0.0006
318	5e+12	NDD Unbiased	1.5872	1.5855	-0.0017
320	5e+12	NDD Unbiased	1.5614	1.5593	-0.0021
321	5e+12	NDD Unbiased	1.5803	1.5812	0.0009
322	1e+13	NDD Unbiased	1.5365	1.532	-0.0045
323	1e+13	NDD Unbiased	1.5738	1.5728	-0.001
324	1e+13	NDD Unbiased	1.5975	1.5996	0.0021
325	1e+13	NDD Unbiased	1.5788	1.5774	-0.0014
326	0	Correlation	1.5945	1.5946	0.0001
327	0	Correlation	1.5461	1.5461	0
328	0	Correlation	1.5351	1.5353	0.0002

NDD vs Post - Pre Exposure Delta

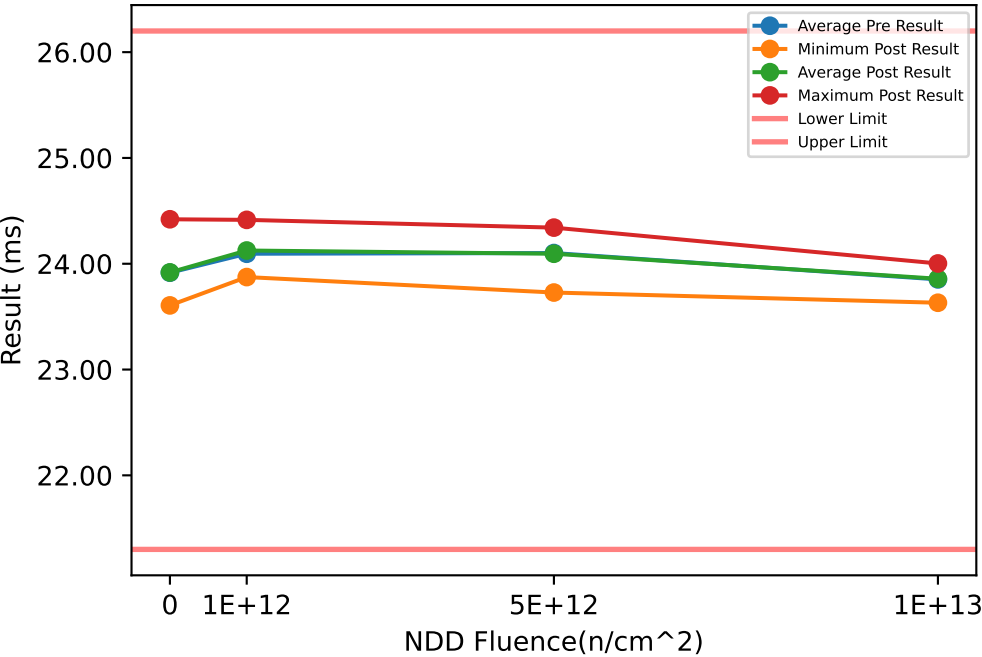


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5351	1.5586	1.5945	0.031601	1.5353	1.5587	1.5946	0.031584	0	0.0001	0.0002	0.0001
1e+12	1.5641	1.5722	1.5809	0.0090379	1.5643	1.5728	1.5818	0.0096289	-0.0005	0.000575	0.0013	0.0007719
5e+12	1.5614	1.5728	1.5872	0.012905	1.5593	1.5723	1.5855	0.013001	-0.0021	-0.000575	0.0009	0.0015435
1e+13	1.5365	1.5716	1.5975	0.025557	1.532	1.5704	1.5996	0.028178	-0.0045	-0.0012	0.0021	0.0026994

Device Test: 5.36; DLY_TMR_1MOHM

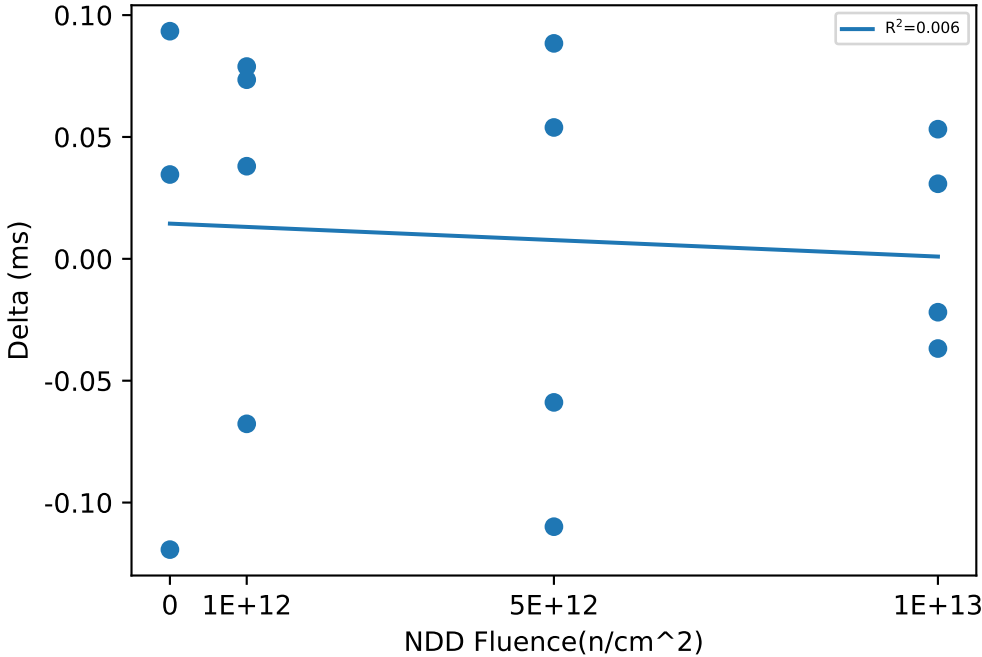
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.171	24.104	-0.0677
314	1e+12	NDD Unbiased	24.035	24.108	0.0735
315	1e+12	NDD Unbiased	23.795	23.874	0.0789
316	1e+12	NDD Unbiased	24.377	24.415	0.038
317	5e+12	NDD Unbiased	23.838	23.728	-0.1099
318	5e+12	NDD Unbiased	24.116	24.058	-0.0589
320	5e+12	NDD Unbiased	24.288	24.341	0.0539
321	5e+12	NDD Unbiased	24.163	24.251	0.0884
322	1e+13	NDD Unbiased	23.844	23.897	0.0532
323	1e+13	NDD Unbiased	23.653	23.631	-0.0219
324	1e+13	NDD Unbiased	24.04	24.003	-0.0368
325	1e+13	NDD Unbiased	23.871	23.902	0.0308
326	0	Correlation	23.726	23.606	-0.1193
327	0	Correlation	24.386	24.42	0.0346
328	0	Correlation	23.635	23.728	0.0934

NDD vs Post - Pre Exposure Delta

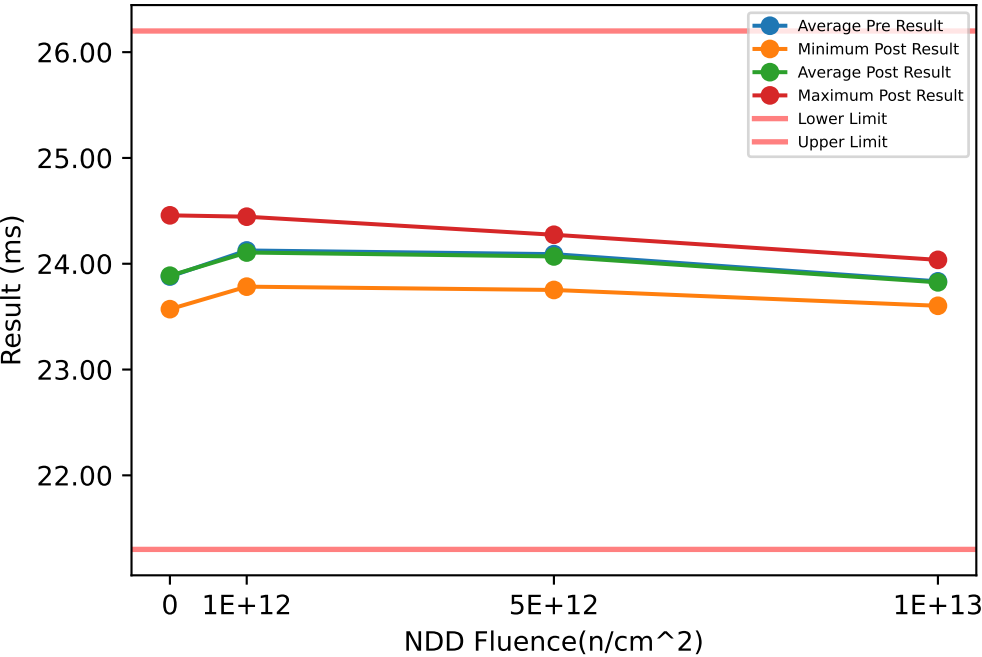


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.635	23.915	24.386	0.40993	23.606	23.918	24.42	0.4391	-0.1193	0.0029	0.0934	0.10984
1e+12	23.795	24.095	24.377	0.24408	23.874	24.125	24.415	0.22187	-0.0677	0.030675	0.0789	0.068046
5e+12	23.838	24.101	24.288	0.18988	23.728	24.095	24.341	0.27163	-0.1099	-0.006625	0.0884	0.093258
1e+13	23.653	23.852	24.04	0.1582	23.631	23.858	24.003	0.1589	-0.0368	0.006325	0.0532	0.042633

Device Test: 5.37; DLY_TMR_1MOHM

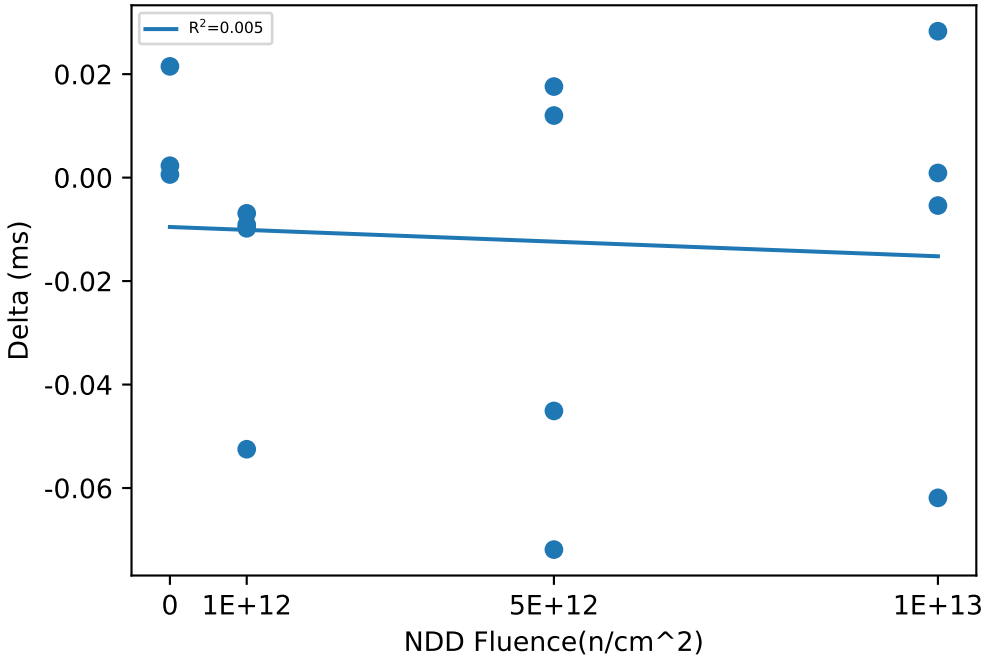
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.167	24.114	-0.0525
314	1e+12	NDD Unbiased	24.088	24.081	-0.0069
315	1e+12	NDD Unbiased	23.793	23.784	-0.0098
316	1e+12	NDD Unbiased	24.454	24.445	-0.0091
317	5e+12	NDD Unbiased	23.797	23.752	-0.0451
318	5e+12	NDD Unbiased	24.005	24.022	0.0176
320	5e+12	NDD Unbiased	24.346	24.274	-0.0719
321	5e+12	NDD Unbiased	24.216	24.228	0.012
322	1e+13	NDD Unbiased	23.818	23.846	0.0283
323	1e+13	NDD Unbiased	23.602	23.603	0.0009
324	1e+13	NDD Unbiased	24.042	24.037	-0.0054
325	1e+13	NDD Unbiased	23.873	23.811	-0.0619
326	0	Correlation	23.568	23.571	0.0023
327	0	Correlation	24.457	24.458	0.0006
328	0	Correlation	23.611	23.633	0.0215

NDD vs Post - Pre Exposure Delta

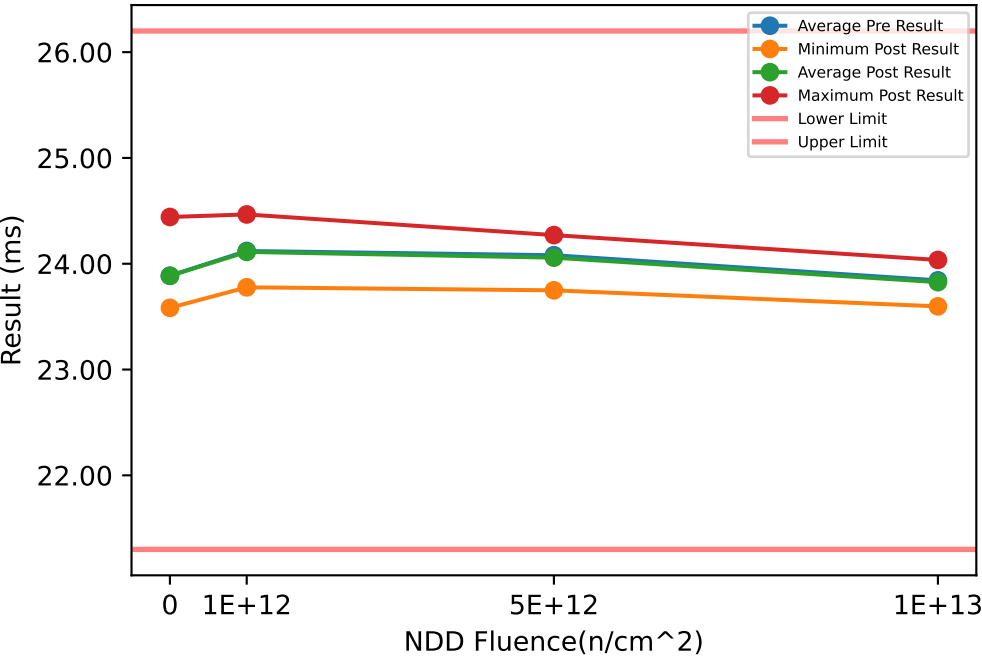


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.568	23.879	24.457	0.50111	23.571	23.887	24.458	0.49511	0.0006	0.0081333	0.0215	0.011607
1e+12	23.793	24.126	24.454	0.27161	23.784	24.106	24.445	0.27047	-0.0525	-0.019575	-0.0069	0.021985
5e+12	23.797	24.091	24.346	0.24101	23.752	24.069	24.274	0.2379	-0.0719	-0.02185	0.0176	0.043771
1e+13	23.602	23.834	24.042	0.18171	23.603	23.824	24.037	0.17788	-0.0619	-0.009525	0.0283	0.037857

Device Test: 5.38; DLY_TMR_1MOHM

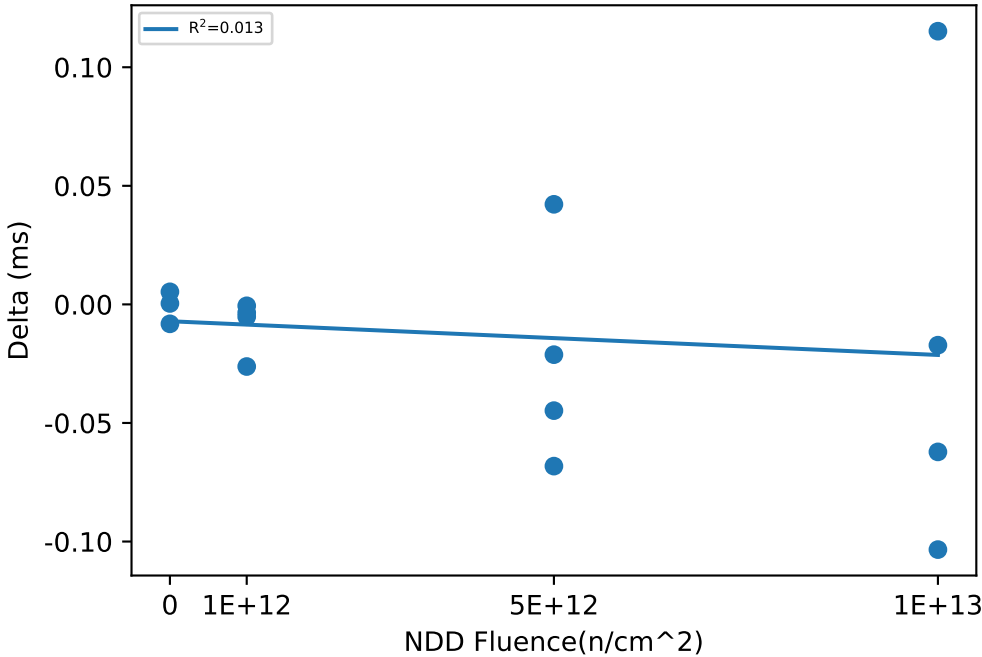
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.149	24.123	-0.0262
314	1e+12	NDD Unbiased	24.086	24.081	-0.0052
315	1e+12	NDD Unbiased	23.778	23.777	-0.0006
316	1e+12	NDD Unbiased	24.47	24.466	-0.0035
317	5e+12	NDD Unbiased	23.794	23.749	-0.0448
318	5e+12	NDD Unbiased	23.979	24.022	0.0422
320	5e+12	NDD Unbiased	24.339	24.271	-0.0682
321	5e+12	NDD Unbiased	24.211	24.189	-0.0212
322	1e+13	NDD Unbiased	23.963	23.859	-0.1034
323	1e+13	NDD Unbiased	23.614	23.597	-0.0172
324	1e+13	NDD Unbiased	23.921	24.036	0.1152
325	1e+13	NDD Unbiased	23.874	23.812	-0.0622
326	0	Correlation	23.578	23.583	0.0053
327	0	Correlation	24.45	24.442	-0.0082
328	0	Correlation	23.631	23.632	0.0004

NDD vs Post - Pre Exposure Delta

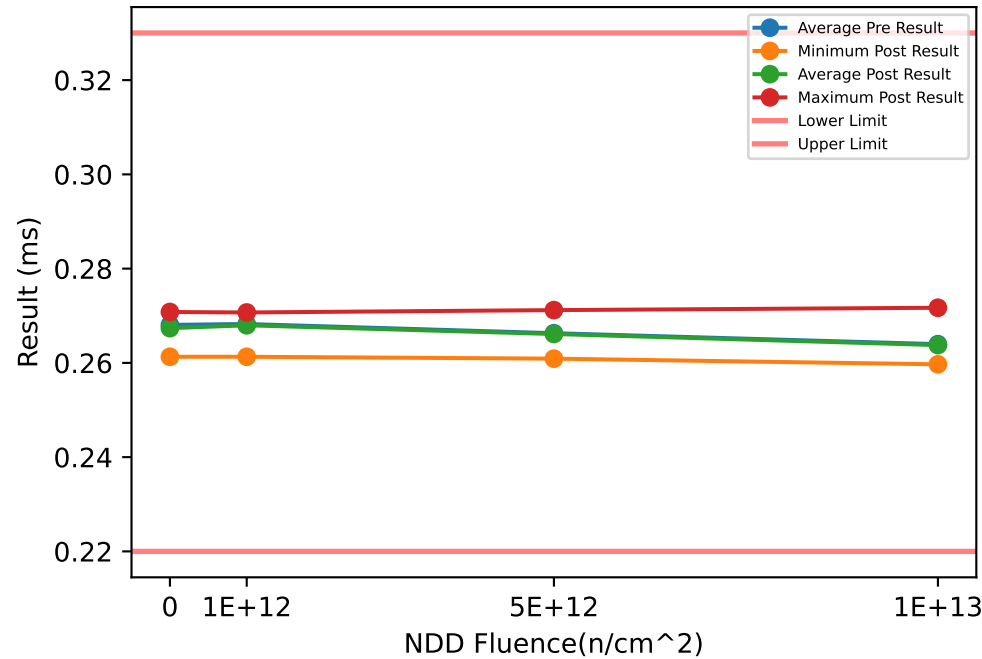


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.578	23.887	24.45	0.48891	23.583	23.886	24.442	0.48241	-0.0082	-0.00083333	0.0053	0.006834
1e+12	23.778	24.121	24.47	0.28354	23.777	24.112	24.466	0.28192	-0.0262	-0.008875	-0.0006	0.011705
5e+12	23.794	24.081	24.339	0.24244	23.749	24.058	24.271	0.23061	-0.0682	-0.023	0.0422	0.047513
1e+13	23.614	23.843	23.963	0.15663	23.597	23.826	24.036	0.18047	-0.1034	-0.0169	0.1152	0.094842

Device Test: 5.39; DLY_TMR_10KOHM

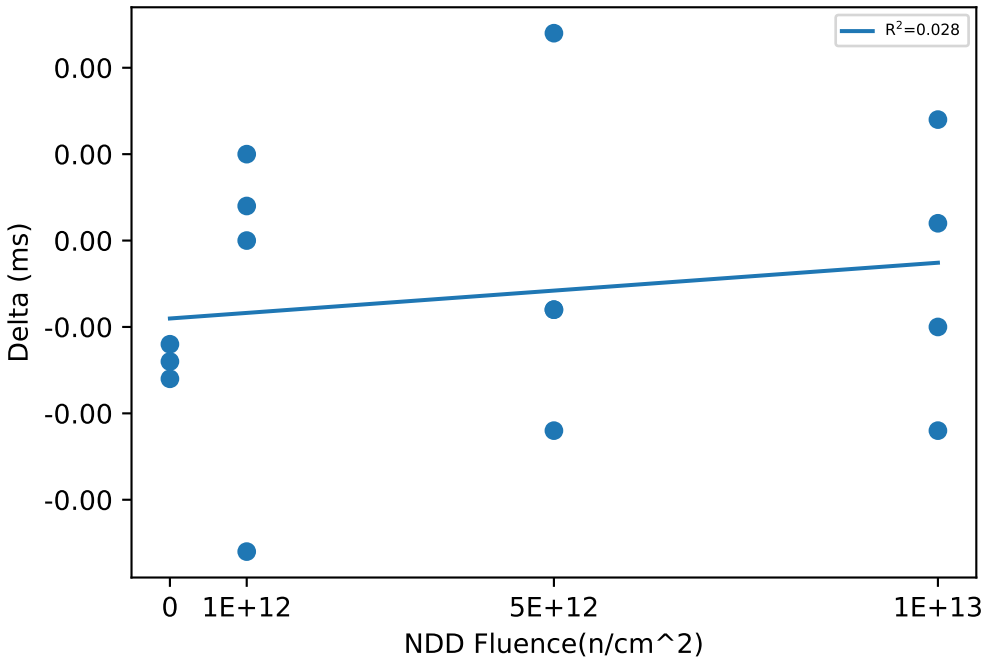
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2611	0.2613	0.0002
314	1e+12	NDD Unbiased	0.2725	0.2707	-0.0018
315	1e+12	NDD Unbiased	0.2699	0.2699	0
316	1e+12	NDD Unbiased	0.2695	0.27	0.0005
317	5e+12	NDD Unbiased	0.262	0.2609	-0.0011
318	5e+12	NDD Unbiased	0.27	0.2712	0.0012
320	5e+12	NDD Unbiased	0.2706	0.2702	-0.0004
321	5e+12	NDD Unbiased	0.2626	0.2622	-0.0004
322	1e+13	NDD Unbiased	0.2608	0.2597	-0.0011
323	1e+13	NDD Unbiased	0.2625	0.262	-0.0005
324	1e+13	NDD Unbiased	0.271	0.2717	0.0007
325	1e+13	NDD Unbiased	0.2616	0.2617	0.0001
326	0	Correlation	0.2707	0.27	-0.0007
327	0	Correlation	0.2714	0.2708	-0.0006
328	0	Correlation	0.2621	0.2613	-0.0008

NDD vs Post - Pre Exposure Delta

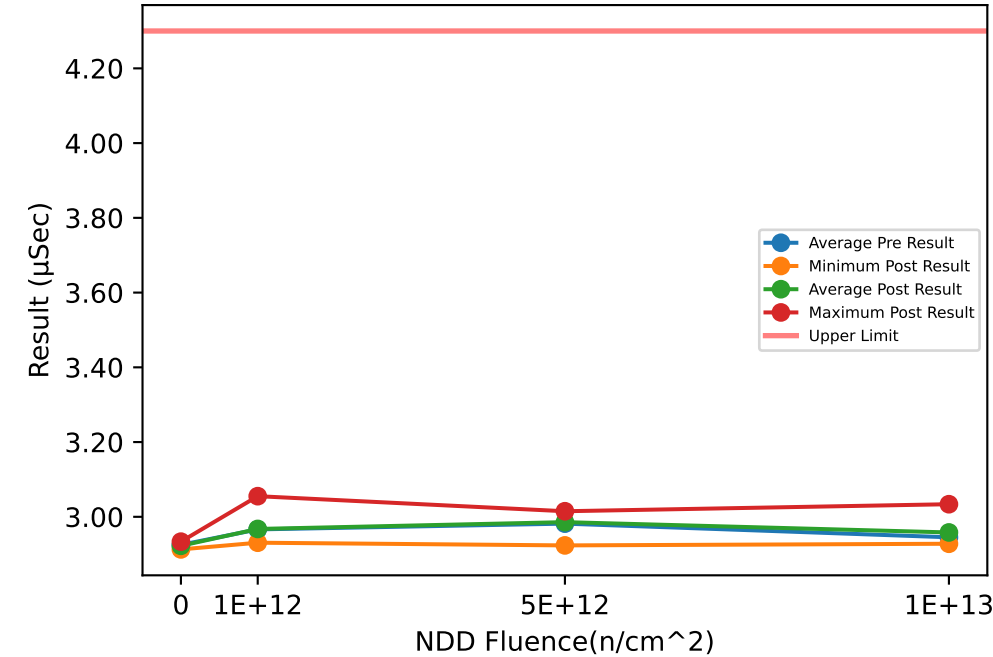


Test Statistics (ms)

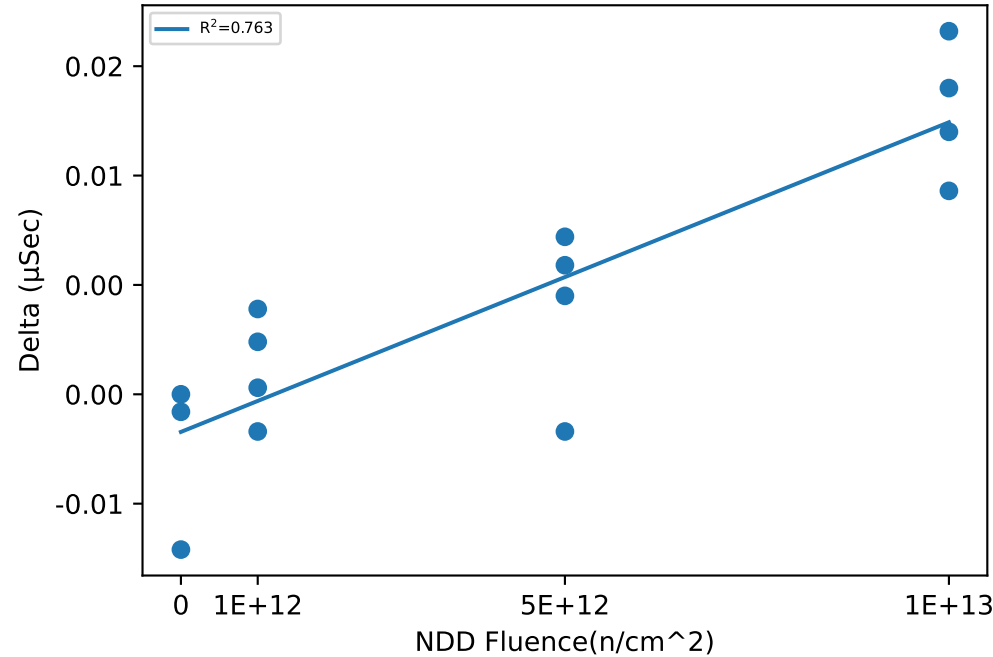
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2621	0.26807	0.2714	0.0051791	0.2613	0.26737	0.2708	0.0052691	-0.0008	-0.0007	-0.0006	0.0001
1e+12	0.2611	0.26825	0.2725	0.0049487	0.2613	0.26797	0.2707	0.0044642	-0.0018	-0.000275	0.0005	0.0010372
5e+12	0.262	0.2663	0.2706	0.0046318	0.2609	0.26613	0.2712	0.005325	-0.0011	-0.000175	0.0012	0.00097425
1e+13	0.2608	0.26398	0.271	0.0047345	0.2597	0.26377	0.2717	0.0053811	-0.0011	-0.0002	0.0007	0.0007746

Device Test: 5.4; PROPD_RESET

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

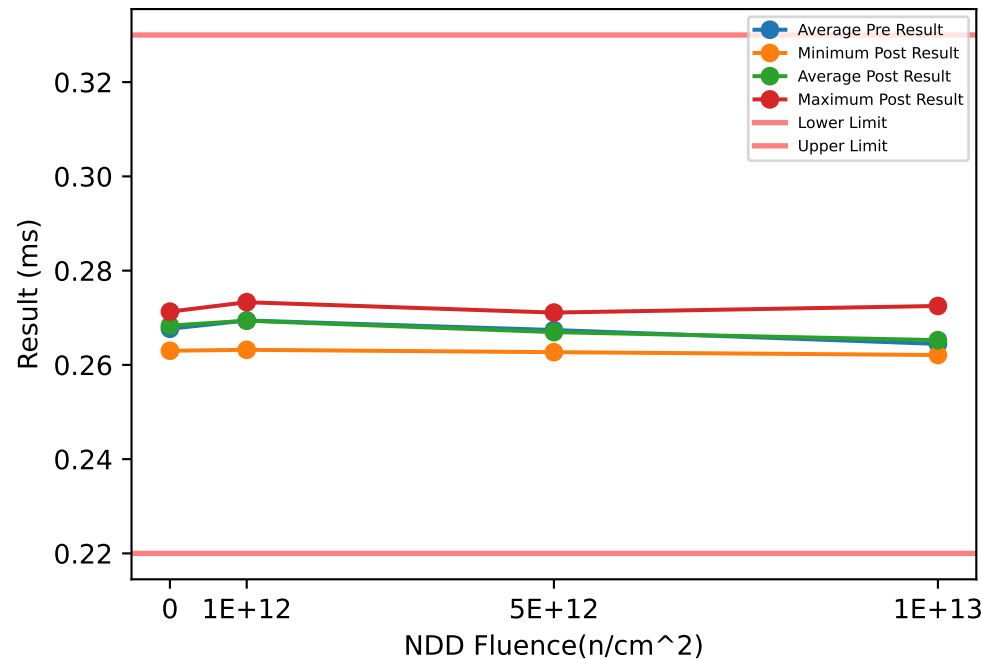
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.0528	3.0552	0.0024
314	1e+12	NDD Unbiased	2.931	2.9349	0.0039
315	1e+12	NDD Unbiased	2.9304	2.9307	0.0003
316	1e+12	NDD Unbiased	2.951	2.9493	-0.0017
317	5e+12	NDD Unbiased	3.0104	3.0149	0.0045
318	5e+12	NDD Unbiased	2.9991	2.9974	-0.0017
320	5e+12	NDD Unbiased	2.9999	3.0071	0.0072
321	5e+12	NDD Unbiased	2.9176	2.9235	0.0059
322	1e+13	NDD Unbiased	3.0217	3.0337	0.012
323	1e+13	NDD Unbiased	2.9226	2.9319	0.0093
324	1e+13	NDD Unbiased	2.9226	2.9392	0.0166
325	1e+13	NDD Unbiased	2.9139	2.9279	0.014
326	0	Correlation	2.928	2.9209	-0.0071
327	0	Correlation	2.9128	2.9128	0
328	0	Correlation	2.9343	2.9335	-0.0008

Test Statistics (µSec)

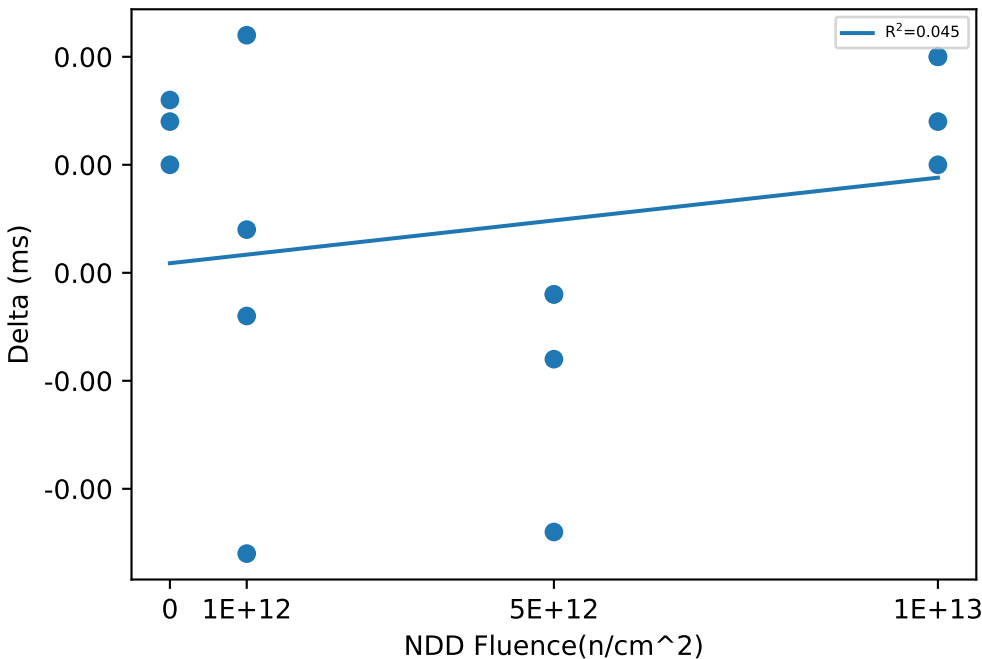
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9128	2.925	2.9343	0.011053	2.9128	2.9224	2.9335	0.010431	-0.0071	-0.0026333	0	0.0038889
1e+12	2.9304	2.9663	3.0528	0.058456	2.9307	2.9675	3.0552	0.05899	-0.0017	0.001225	0.0039	0.0024459
5e+12	2.9176	2.9817	3.0104	0.043075	2.9235	2.9857	3.0149	0.042096	-0.0017	0.003975	0.0072	0.0039407
1e+13	2.9139	2.9452	3.0217	0.051165	2.9279	2.9582	3.0337	0.050567	0.0093	0.012975	0.0166	0.0030902

Device Test: 5.40; DLY_TMR_10KOHM

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

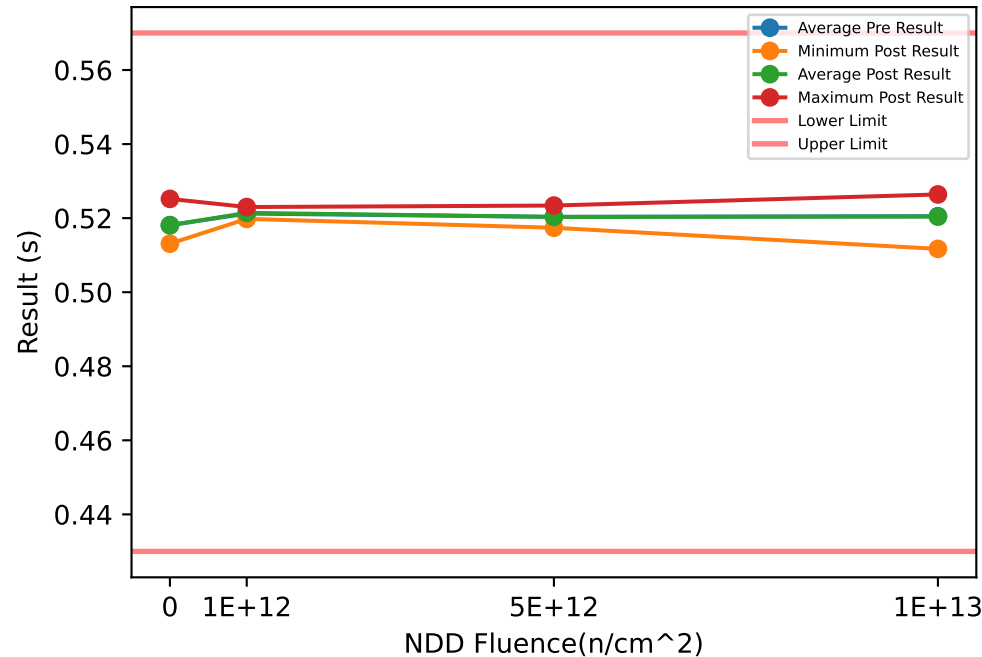
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2634	0.2632	-0.0002
314	1e+12	NDD Unbiased	0.2722	0.2733	0.0011
315	1e+12	NDD Unbiased	0.2708	0.271	0.0002
316	1e+12	NDD Unbiased	0.2713	0.27	-0.0013
317	5e+12	NDD Unbiased	0.2639	0.2627	-0.0012
318	5e+12	NDD Unbiased	0.2712	0.2711	-0.0001
320	5e+12	NDD Unbiased	0.2711	0.271	-0.0001
321	5e+12	NDD Unbiased	0.2634	0.263	-0.0004
322	1e+13	NDD Unbiased	0.2611	0.2621	0.001
323	1e+13	NDD Unbiased	0.263	0.2637	0.0007
324	1e+13	NDD Unbiased	0.272	0.2725	0.0005
325	1e+13	NDD Unbiased	0.2617	0.2627	0.001
326	0	Correlation	0.2702	0.2707	0.0005
327	0	Correlation	0.2706	0.2713	0.0007
328	0	Correlation	0.2622	0.263	0.0008

Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2622	0.26767	0.2706	0.0047385	0.263	0.26833	0.2713	0.0046285	0.0005	0.00066667	0.0008	0.00015275
1e+12	0.2634	0.26943	0.2722	0.0040582	0.2632	0.26938	0.2733	0.0043423	-0.0013	-5e-05	0.0011	0.00099499
5e+12	0.2634	0.2674	0.2712	0.0043351	0.2627	0.26695	0.2711	0.004736	-0.0012	-0.00045	-0.0001	0.00051962
1e+13	0.2611	0.26445	0.272	0.0050954	0.2621	0.26525	0.2725	0.0048782	0.0005	0.0008	0.001	0.00024495

Device Test: 5.41; WD_TMR_10KOHM

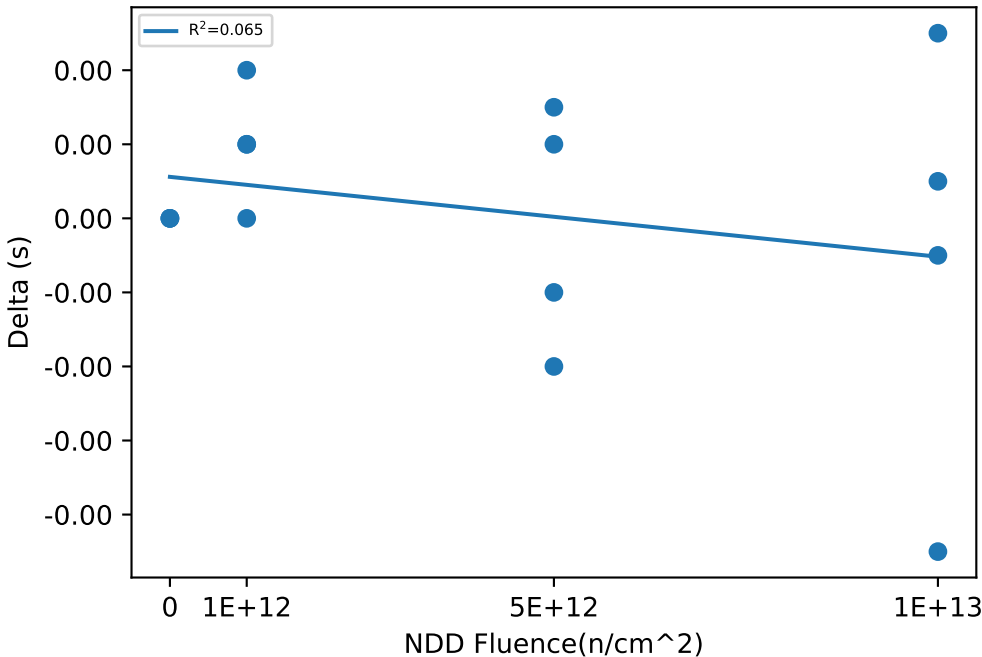
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.5223	0.5225	0.0002
314	1e+12	NDD Unbiased	0.5204	0.5204	0
315	1e+12	NDD Unbiased	0.5226	0.523	0.0004
316	1e+12	NDD Unbiased	0.5196	0.5198	0.0002
317	5e+12	NDD Unbiased	0.5172	0.5174	0.0002
318	5e+12	NDD Unbiased	0.5238	0.5234	-0.0004
320	5e+12	NDD Unbiased	0.5184	0.5182	-0.0002
321	5e+12	NDD Unbiased	0.522	0.5223	0.0003
322	1e+13	NDD Unbiased	0.5126	0.5117	-0.0009
323	1e+13	NDD Unbiased	0.5219	0.522	0.0001
324	1e+13	NDD Unbiased	0.5259	0.5264	0.0005
325	1e+13	NDD Unbiased	0.5217	0.5216	-0.0001
326	0	Correlation	0.5252	0.5252	0
327	0	Correlation	0.516	0.516	0
328	0	Correlation	0.5131	0.5131	0

NDD vs Post - Pre Exposure Delta

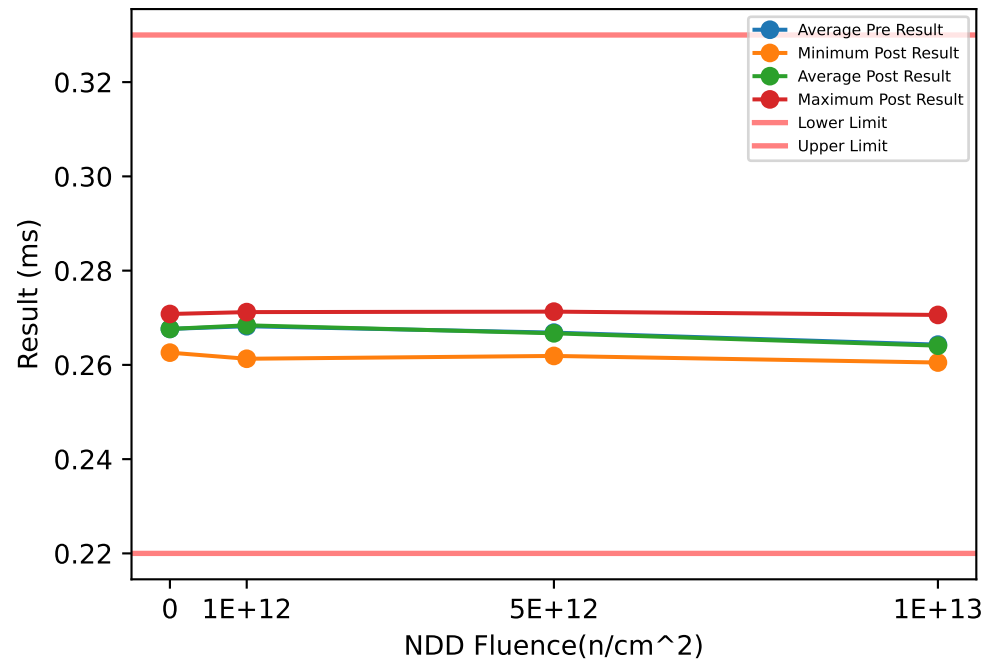


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5131	0.5181	0.5252	0.0063174	0.5131	0.5181	0.5252	0.0063174	0	0	0	0
1e+12	0.5196	0.52122	0.5226	0.0014569	0.5198	0.52143	0.523	0.0015628	0	0.0002	0.0004	0.0001633
5e+12	0.5172	0.52035	0.5238	0.0030741	0.5174	0.52032	0.5234	0.002968	-0.0004	-2.5e-05	0.0003	0.0003304
1e+13	0.5126	0.52053	0.5259	0.0056264	0.5117	0.52043	0.5264	0.0062099	-0.0009	-0.0001	0.0005	0.00058878

Device Test: 5.42; DLY_TMR_10KOHM

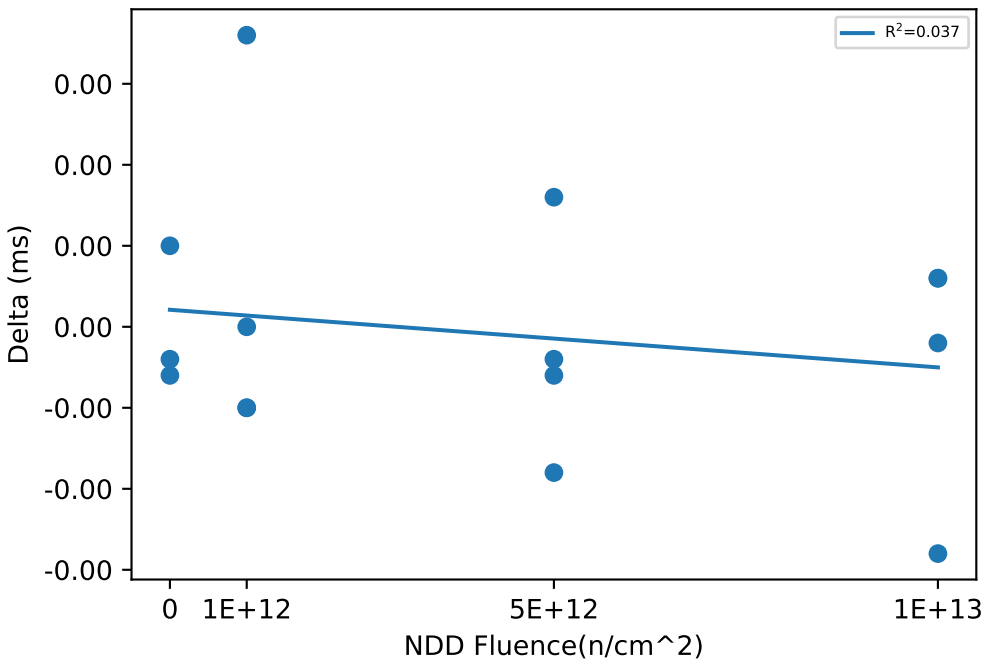
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2613	0.2613	0
314	1e+12	NDD Unbiased	0.2717	0.2712	-0.0005
315	1e+12	NDD Unbiased	0.2692	0.271	0.0018
316	1e+12	NDD Unbiased	0.2706	0.2701	-0.0005
317	5e+12	NDD Unbiased	0.2621	0.2619	-0.0002
318	5e+12	NDD Unbiased	0.2702	0.271	0.0008
320	5e+12	NDD Unbiased	0.2716	0.2713	-0.0003
321	5e+12	NDD Unbiased	0.2635	0.2626	-0.0009
322	1e+13	NDD Unbiased	0.2606	0.2605	-0.0001
323	1e+13	NDD Unbiased	0.2632	0.2635	0.0003
324	1e+13	NDD Unbiased	0.272	0.2706	-0.0014
325	1e+13	NDD Unbiased	0.2614	0.2617	0.0003
326	0	Correlation	0.2697	0.2695	-0.0002
327	0	Correlation	0.2703	0.2708	0.0005
328	0	Correlation	0.2629	0.2626	-0.0003

NDD vs Post - Pre Exposure Delta

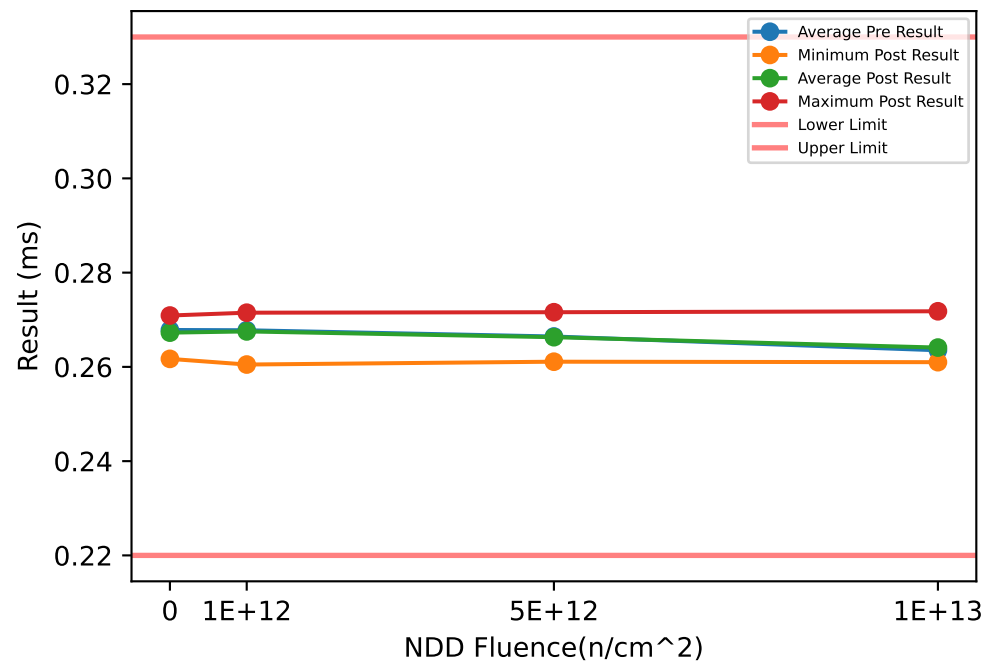


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2629	0.26763	0.2703	0.0041102	0.2626	0.26763	0.2708	0.0044072	-0.0003	0	0.0005	0.00043589
1e+12	0.2613	0.2682	0.2717	0.0047124	0.2613	0.2684	0.2712	0.0047575	-0.0005	0.0002	0.0018	0.0010924
5e+12	0.2621	0.26685	0.2716	0.0047459	0.2619	0.2667	0.2713	0.0051478	-0.0009	-0.00015	0.0008	0.00070475
1e+13	0.2606	0.2643	0.272	0.0052472	0.2605	0.26408	0.2706	0.0045213	-0.0014	-0.000225	0.0003	0.00080571

Device Test: 5.43; DLY_TMR_10KOHM

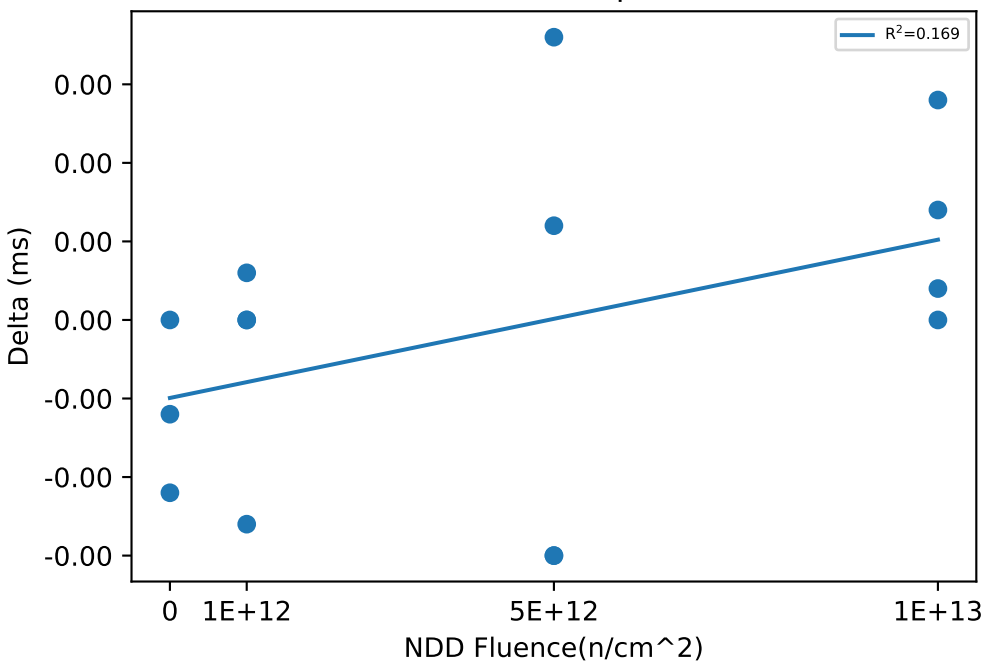
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2605	0.2605	0
314	1e+12	NDD Unbiased	0.2712	0.2715	0.0003
315	1e+12	NDD Unbiased	0.2704	0.2691	-0.0013
316	1e+12	NDD Unbiased	0.269	0.269	0
317	5e+12	NDD Unbiased	0.2626	0.2611	-0.0015
318	5e+12	NDD Unbiased	0.2698	0.2716	0.0018
320	5e+12	NDD Unbiased	0.2711	0.2696	-0.0015
321	5e+12	NDD Unbiased	0.2623	0.2629	0.0006
322	1e+13	NDD Unbiased	0.2613	0.2613	0
323	1e+13	NDD Unbiased	0.2621	0.2623	0.0002
324	1e+13	NDD Unbiased	0.2704	0.2718	0.0014
325	1e+13	NDD Unbiased	0.2603	0.261	0.0007
326	0	Correlation	0.2703	0.2692	-0.0011
327	0	Correlation	0.2709	0.2709	0
328	0	Correlation	0.2623	0.2617	-0.0006

NDD vs Post - Pre Exposure Delta

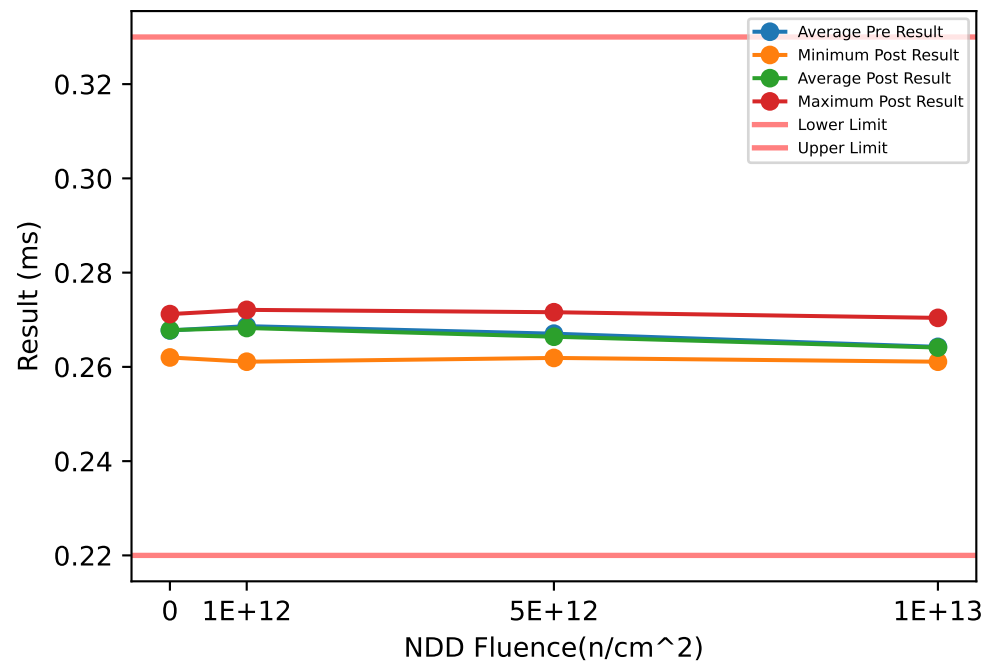


Test Statistics (ms)

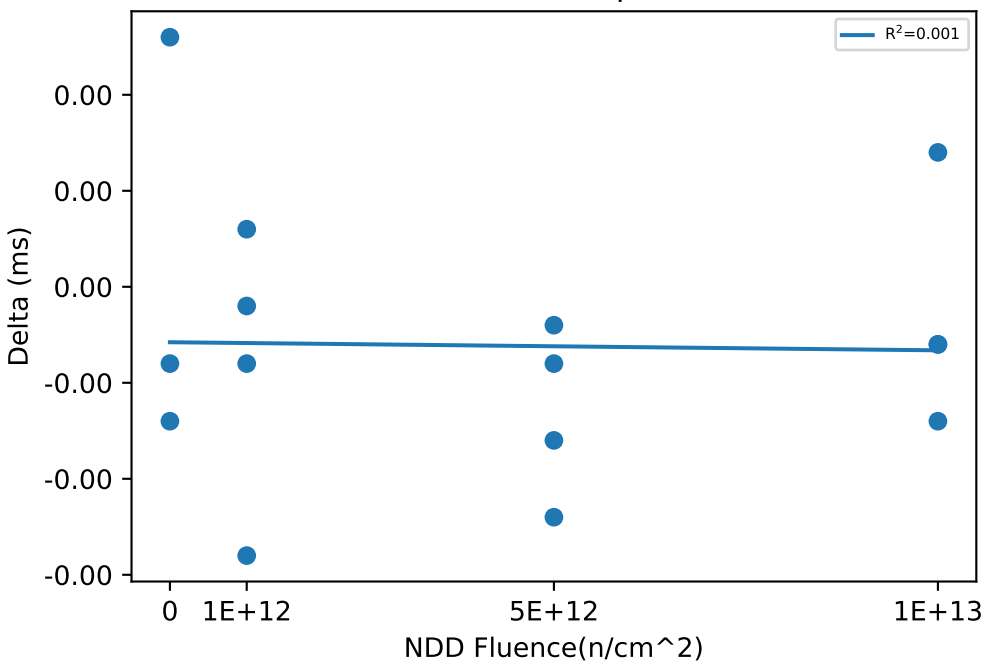
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2623	0.26783	0.2709	0.0048014	0.2617	0.26727	0.2709	0.0048952	-0.0011	-0.00056667	0	0.00055076
1e+12	0.2605	0.26777	0.2712	0.0049345	0.2605	0.26753	0.2715	0.0048238	-0.0013	-0.00025	0.0003	0.00071414
5e+12	0.2623	0.26645	0.2711	0.0046508	0.2611	0.2663	0.2716	0.0050853	-0.0015	-0.00015	0.0018	0.001634
1e+13	0.2603	0.26353	0.2704	0.0046421	0.261	0.2641	0.2718	0.0051633	0	0.000575	0.0014	0.00062383

Device Test: 5.44; DLY_TMR_10KOHM

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

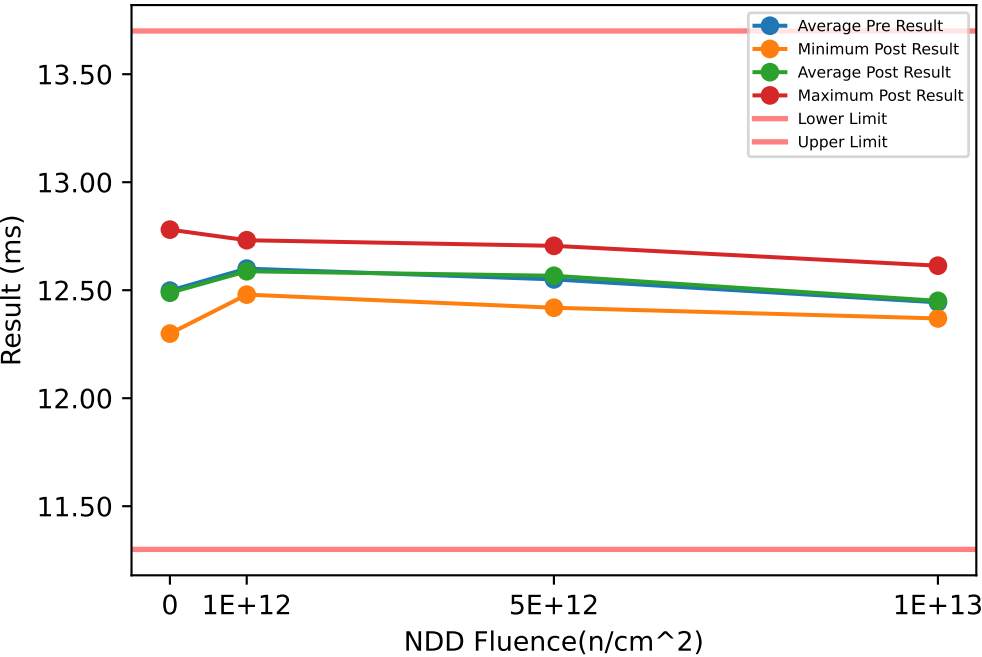
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2612	0.2611	-0.0001
314	1e+12	NDD Unbiased	0.2725	0.2721	-0.0004
315	1e+12	NDD Unbiased	0.2708	0.2694	-0.0014
316	1e+12	NDD Unbiased	0.2701	0.2704	0.0003
317	5e+12	NDD Unbiased	0.2631	0.2619	-0.0012
318	5e+12	NDD Unbiased	0.2718	0.2716	-0.0002
320	5e+12	NDD Unbiased	0.2704	0.27	-0.0004
321	5e+12	NDD Unbiased	0.2629	0.2621	-0.0008
322	1e+13	NDD Unbiased	0.2614	0.2611	-0.0003
323	1e+13	NDD Unbiased	0.2625	0.2632	0.0007
324	1e+13	NDD Unbiased	0.2711	0.2704	-0.0007
325	1e+13	NDD Unbiased	0.262	0.2617	-0.0003
326	0	Correlation	0.2709	0.2702	-0.0007
327	0	Correlation	0.2699	0.2712	0.0013
328	0	Correlation	0.2624	0.262	-0.0004

Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2624	0.26773	0.2709	0.0046458	0.262	0.2678	0.2712	0.0050478	-0.0007	6.6667e-05	0.0013	0.0010786
1e+12	0.2612	0.26865	0.2725	0.0050679	0.2611	0.26825	0.2721	0.0048952	-0.0014	-0.0004	0.0003	0.00072572
5e+12	0.2629	0.26705	0.2718	0.004712	0.2619	0.2664	0.2716	0.0051232	-0.0012	-0.00065	-0.0002	0.00044347
1e+13	0.2614	0.26425	0.2711	0.0045888	0.2611	0.2641	0.2704	0.0042919	-0.0007	-0.00015	0.0007	0.00059722

Device Test: 5.45; DLY_TMR_500KOHM

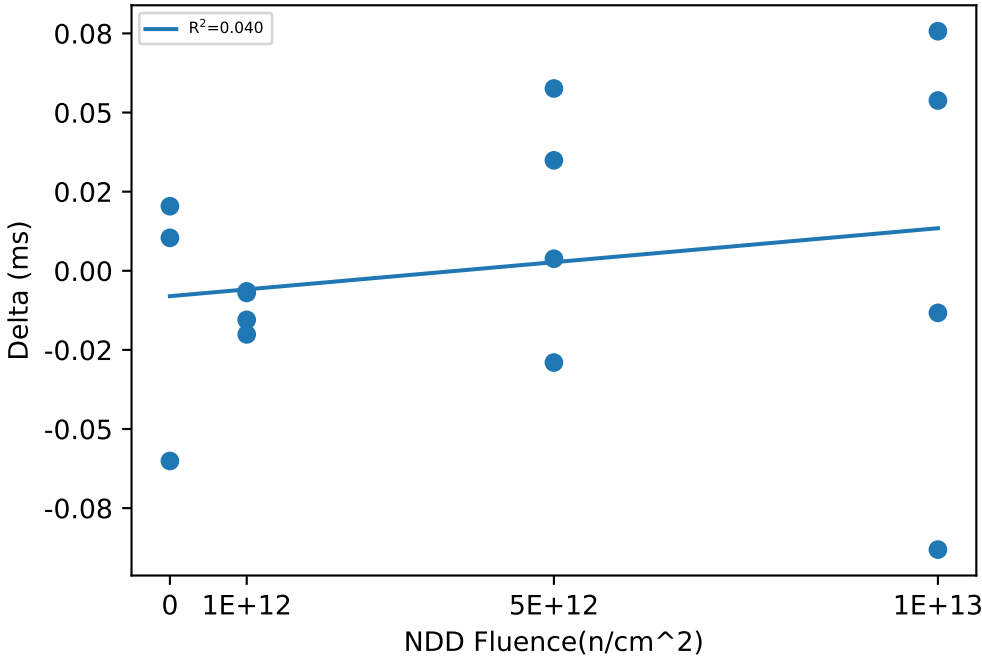
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.538	12.531	-0.007
314	1e+12	NDD Unbiased	12.629	12.609	-0.0201
315	1e+12	NDD Unbiased	12.495	12.479	-0.0155
316	1e+12	NDD Unbiased	12.738	12.731	-0.0065
317	5e+12	NDD Unbiased	12.361	12.419	0.0576
318	5e+12	NDD Unbiased	12.575	12.579	0.0038
320	5e+12	NDD Unbiased	12.734	12.705	-0.029
321	5e+12	NDD Unbiased	12.53	12.565	0.0349
322	1e+13	NDD Unbiased	12.362	12.437	0.0757
323	1e+13	NDD Unbiased	12.396	12.383	-0.0133
324	1e+13	NDD Unbiased	12.56	12.614	0.0538
325	1e+13	NDD Unbiased	12.457	12.369	-0.0881
326	0	Correlation	12.375	12.385	0.0104
327	0	Correlation	12.76	12.78	0.0204
328	0	Correlation	12.359	12.299	-0.0601

NDD vs Post - Pre Exposure Delta

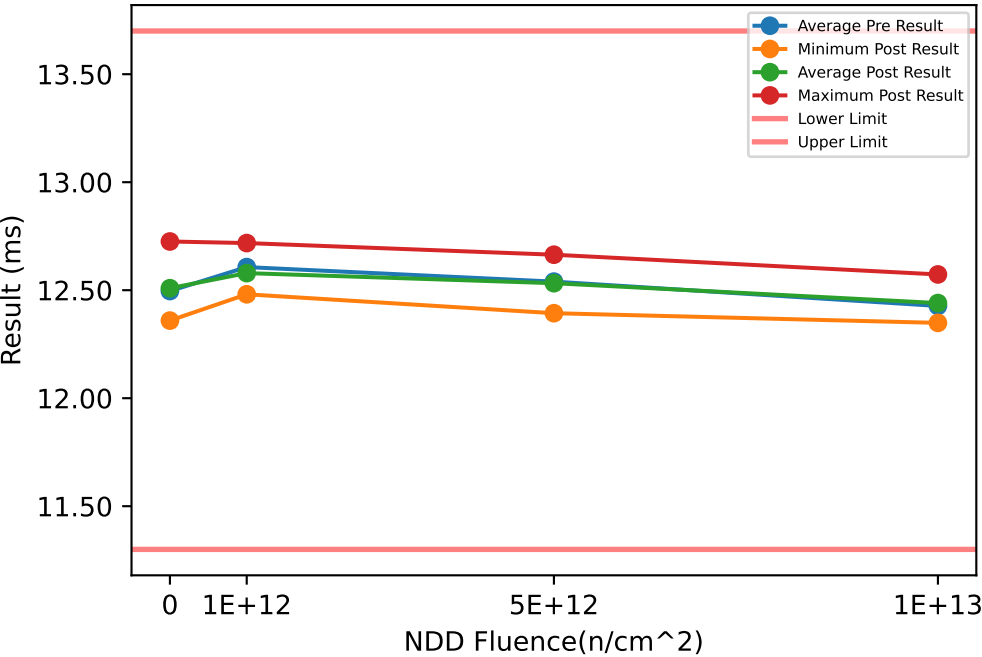


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.359	12.498	12.76	0.22706	12.299	12.488	12.78	0.25666	-0.0601	-0.0097667	0.0204	0.043876
1e+12	12.495	12.6	12.738	0.10746	12.479	12.588	12.731	0.10946	-0.0201	-0.012275	-0.0065	0.0066535
5e+12	12.361	12.55	12.734	0.15348	12.419	12.567	12.705	0.11727	-0.029	0.016825	0.0576	0.037678
1e+13	12.362	12.444	12.56	0.086817	12.369	12.451	12.614	0.11241	-0.0881	0.007025	0.0757	0.07386

Device Test: 5.46; DLY_TMR_500KOHM

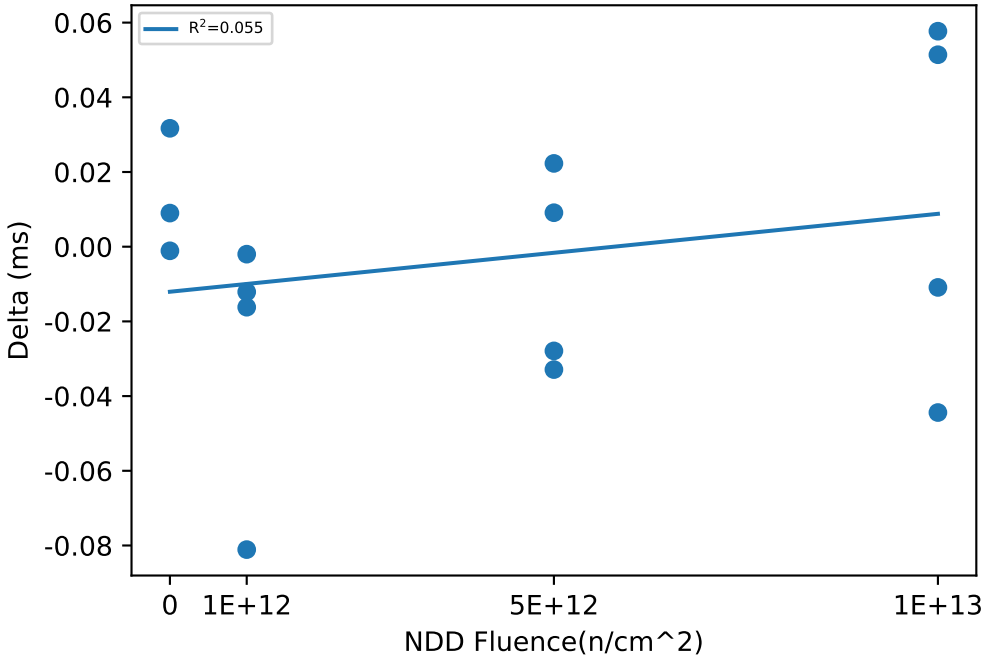
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.497	12.481	-0.0162
314	1e+12	NDD Unbiased	12.658	12.577	-0.0811
315	1e+12	NDD Unbiased	12.552	12.54	-0.0121
316	1e+12	NDD Unbiased	12.72	12.718	-0.002
317	5e+12	NDD Unbiased	12.421	12.393	-0.0279
318	5e+12	NDD Unbiased	12.524	12.546	0.0223
320	5e+12	NDD Unbiased	12.697	12.664	-0.0329
321	5e+12	NDD Unbiased	12.516	12.525	0.0091
322	1e+13	NDD Unbiased	12.392	12.443	0.0514
323	1e+13	NDD Unbiased	12.36	12.349	-0.0109
324	1e+13	NDD Unbiased	12.515	12.573	0.0577
325	1e+13	NDD Unbiased	12.441	12.397	-0.0444
326	0	Correlation	12.411	12.443	0.0317
327	0	Correlation	12.716	12.726	0.009
328	0	Correlation	12.36	12.359	-0.0011

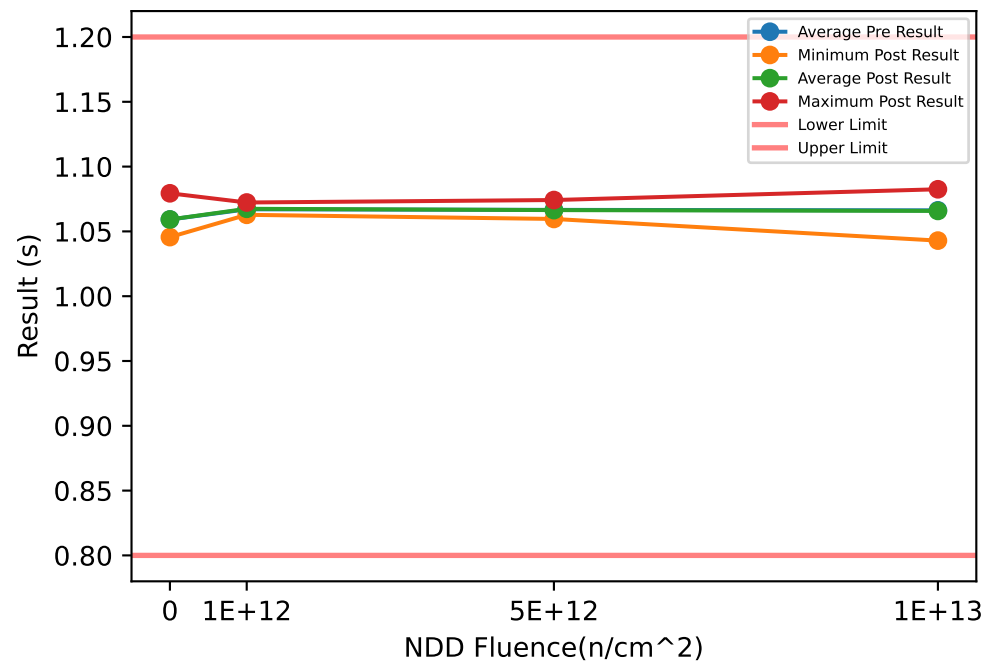
NDD vs Post - Pre Exposure Delta



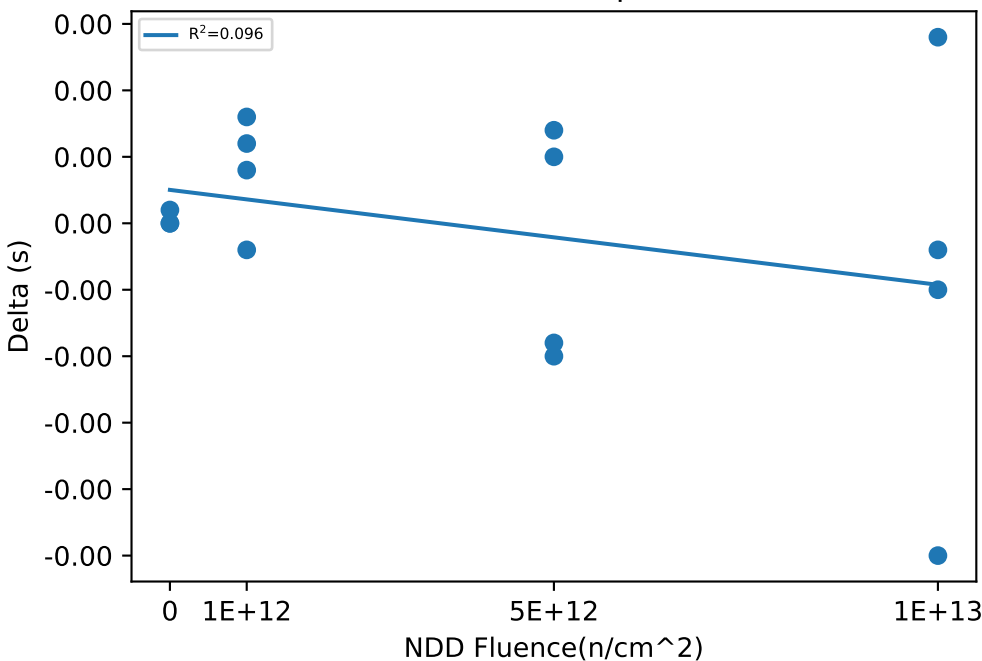
Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.36	12.496	12.716	0.19263	12.359	12.509	12.726	0.19192	-0.0011	0.0132	0.0317	0.016799
1e+12	12.497	12.607	12.72	0.10086	12.481	12.579	12.718	0.10084	-0.0811	-0.02785	-0.002	0.035998
5e+12	12.421	12.54	12.697	0.11488	12.393	12.532	12.664	0.11096	-0.0329	-0.00735	0.0223	0.027233
1e+13	12.36	12.427	12.515	0.067765	12.349	12.44	12.573	0.096423	-0.0444	0.01345	0.0577	0.049456

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

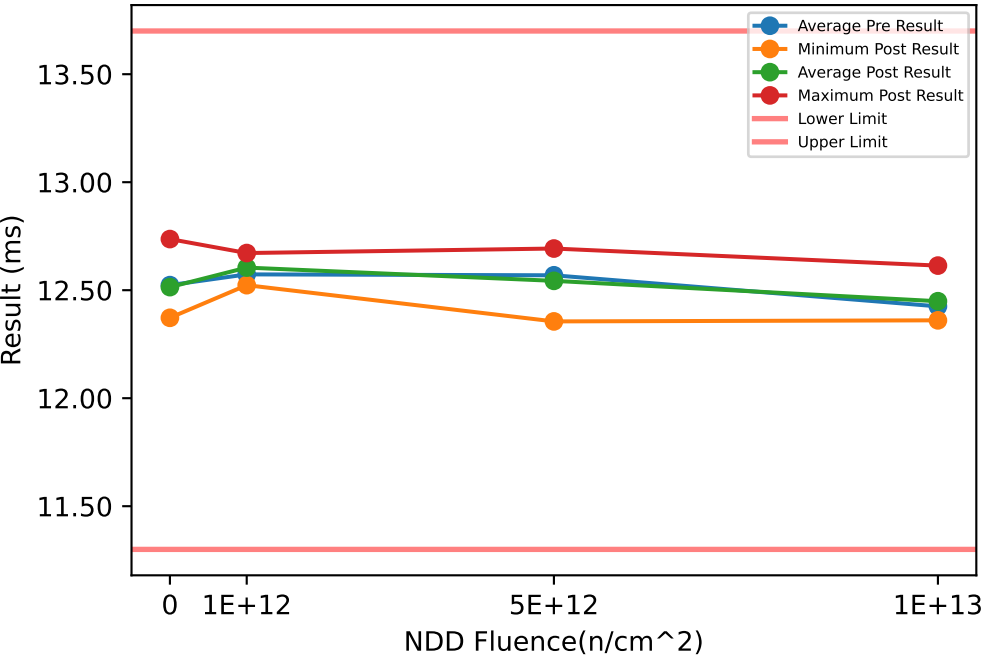
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0717	1.0723	0.0006
314	1e+12	NDD Unbiased	1.0631	1.0629	-0.0002
315	1e+12	NDD Unbiased	1.071	1.0718	0.0008
316	1e+12	NDD Unbiased	1.0624	1.0628	0.0004
317	5e+12	NDD Unbiased	1.0598	1.0603	0.0005
318	5e+12	NDD Unbiased	1.0752	1.0742	-0.001
320	5e+12	NDD Unbiased	1.0605	1.0596	-0.0009
321	5e+12	NDD Unbiased	1.0709	1.0716	0.0007
322	1e+13	NDD Unbiased	1.0454	1.0429	-0.0025
323	1e+13	NDD Unbiased	1.0684	1.0682	-0.0002
324	1e+13	NDD Unbiased	1.0811	1.0825	0.0014
325	1e+13	NDD Unbiased	1.0701	1.0696	-0.0005
326	0	Correlation	1.0794	1.0794	0
327	0	Correlation	1.0526	1.0526	0
328	0	Correlation	1.0455	1.0456	0.0001

Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0455	1.0592	1.0794	0.017879	1.0456	1.0592	1.0794	0.01784	0	3.3333e-05	0.0001	5.7735e-05
1e+12	1.0624	1.0671	1.0717	0.0049816	1.0628	1.0675	1.0723	0.0053157	-0.0002	0.0004	0.0008	0.00043205
5e+12	1.0598	1.0666	1.0752	0.0076572	1.0596	1.0664	1.0742	0.0075571	-0.001	-0.000175	0.0007	0.00089954
1e+13	1.0454	1.0663	1.0811	0.014997	1.0429	1.0658	1.0825	0.016568	-0.0025	-0.00045	0.0014	0.001601

Device Test: 5.48; DLY_TMR_500KOHM

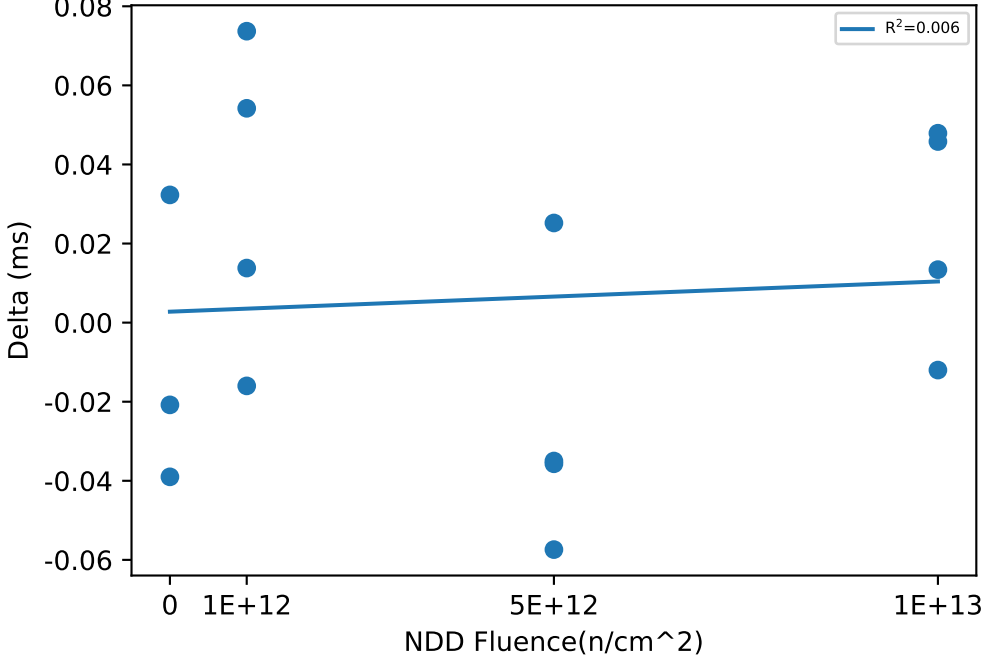
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.499	12.573	0.0737
314	1e+12	NDD Unbiased	12.597	12.651	0.0542
315	1e+12	NDD Unbiased	12.509	12.523	0.0138
316	1e+12	NDD Unbiased	12.688	12.672	-0.016
317	5e+12	NDD Unbiased	12.391	12.355	-0.0357
318	5e+12	NDD Unbiased	12.538	12.564	0.0252
320	5e+12	NDD Unbiased	12.75	12.693	-0.0574
321	5e+12	NDD Unbiased	12.596	12.561	-0.035
322	1e+13	NDD Unbiased	12.363	12.409	0.0458
323	1e+13	NDD Unbiased	12.373	12.361	-0.012
324	1e+13	NDD Unbiased	12.566	12.614	0.0479
325	1e+13	NDD Unbiased	12.399	12.412	0.0134
326	0	Correlation	12.455	12.434	-0.0208
327	0	Correlation	12.776	12.737	-0.039
328	0	Correlation	12.34	12.372	0.0323

NDD vs Post - Pre Exposure Delta

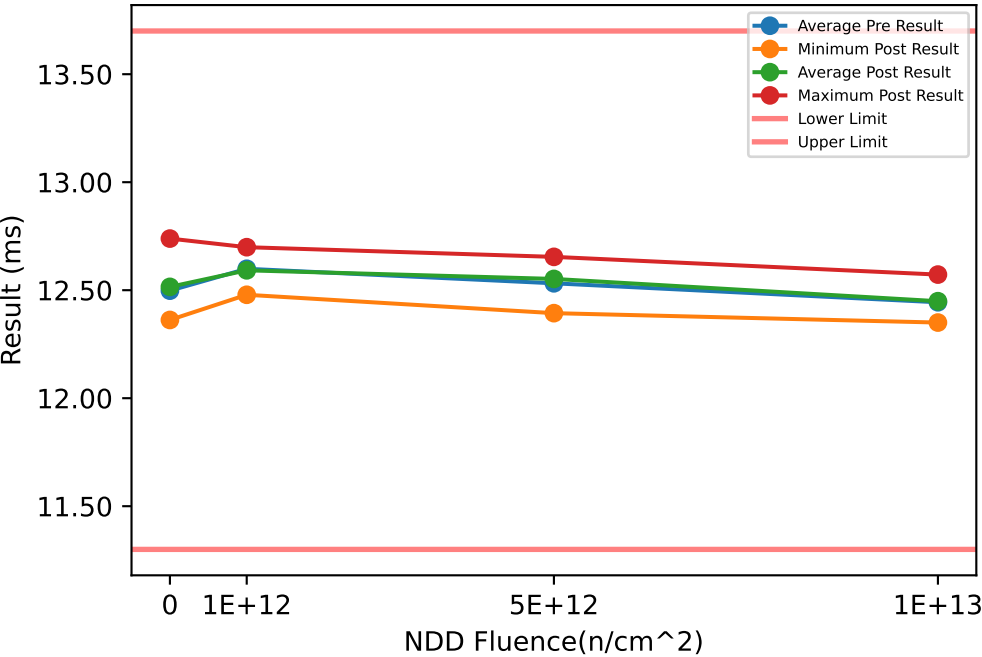


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.34	12.523	12.776	0.22587	12.372	12.514	12.737	0.19507	-0.039	-0.0091667	0.0323	0.037046
1e+12	12.499	12.573	12.688	0.088138	12.523	12.605	12.672	0.069067	-0.016	0.031425	0.0737	0.040273
5e+12	12.391	12.569	12.75	0.1485	12.355	12.543	12.693	0.1395	-0.0574	-0.025725	0.0252	0.035507
1e+13	12.363	12.425	12.566	0.095076	12.361	12.449	12.614	0.11249	-0.012	0.023775	0.0479	0.028604

Device Test: 5.49; DLY_TMR_500KOHM

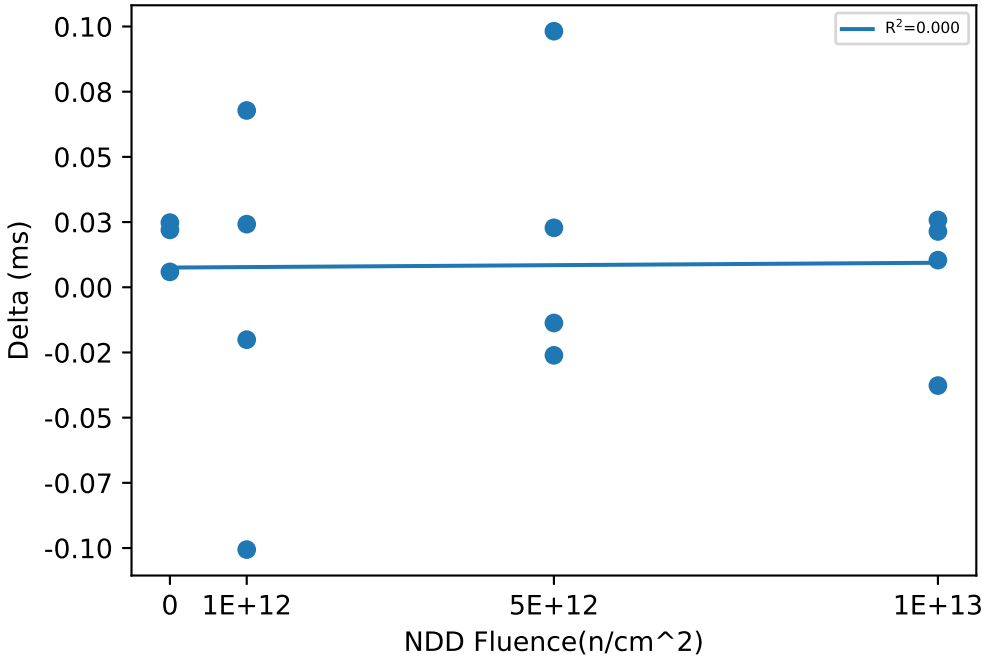
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.579	12.479	-0.1006
314	1e+12	NDD Unbiased	12.584	12.652	0.0678
315	1e+12	NDD Unbiased	12.514	12.538	0.0242
316	1e+12	NDD Unbiased	12.719	12.699	-0.0201
317	5e+12	NDD Unbiased	12.42	12.394	-0.0261
318	5e+12	NDD Unbiased	12.525	12.548	0.0228
320	5e+12	NDD Unbiased	12.668	12.654	-0.0137
321	5e+12	NDD Unbiased	12.514	12.613	0.0982
322	1e+13	NDD Unbiased	12.424	12.445	0.0214
323	1e+13	NDD Unbiased	12.324	12.35	0.0258
324	1e+13	NDD Unbiased	12.61	12.572	-0.0377
325	1e+13	NDD Unbiased	12.418	12.429	0.0104
326	0	Correlation	12.439	12.445	0.0059
327	0	Correlation	12.717	12.739	0.022
328	0	Correlation	12.337	12.362	0.0248

NDD vs Post - Pre Exposure Delta

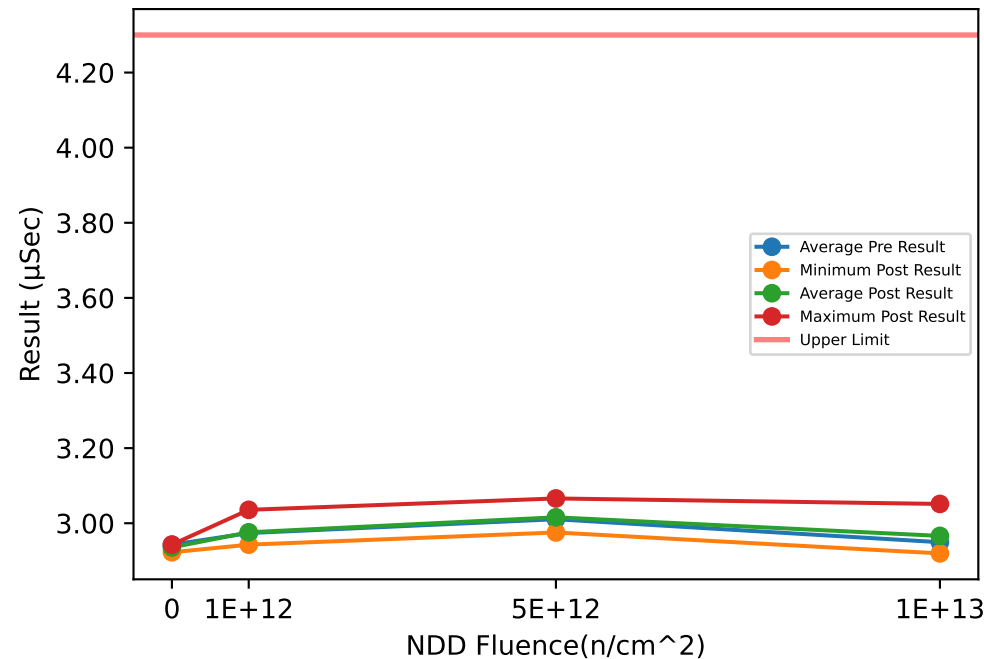


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.337	12.498	12.717	0.1965	12.362	12.515	12.739	0.19802	0.0059	0.017567	0.0248	0.0102
1e+12	12.514	12.599	12.719	0.086171	12.479	12.592	12.699	0.10129	-0.1006	-0.007175	0.0678	0.071882
5e+12	12.42	12.532	12.668	0.10237	12.394	12.552	12.654	0.11433	-0.0261	0.0203	0.0982	0.055927
1e+13	12.324	12.444	12.61	0.11963	12.35	12.449	12.572	0.092005	-0.0377	0.004975	0.0258	0.029178

Device Test: 5.5; PROPD_RESET

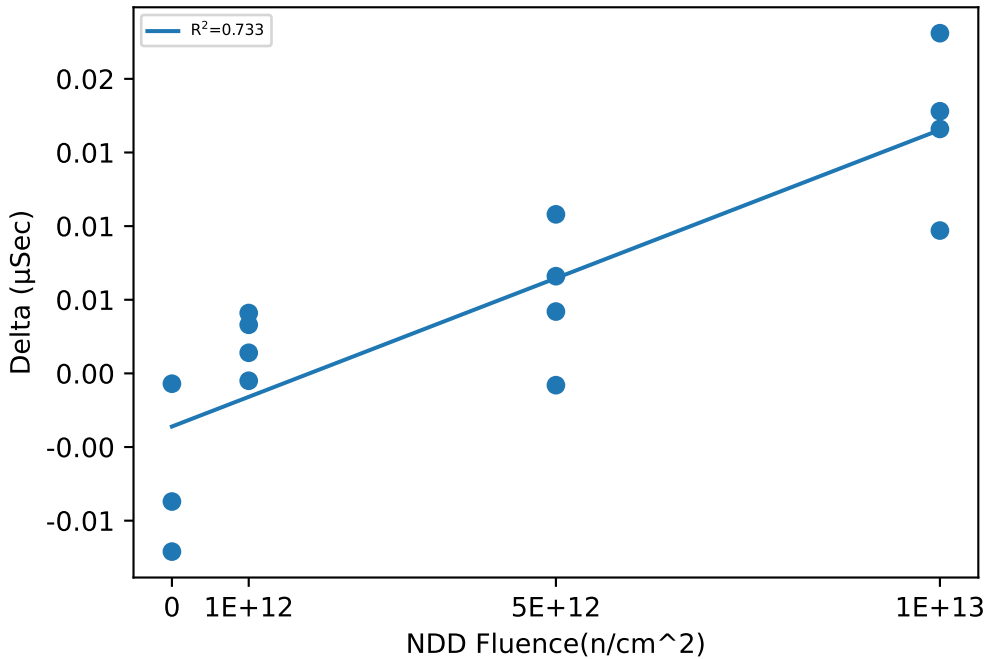
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.0362	3.0357	-0.0005
314	1e+12	NDD Unbiased	2.9415	2.9429	0.0014
315	1e+12	NDD Unbiased	2.9405	2.9446	0.0041
316	1e+12	NDD Unbiased	2.9771	2.9804	0.0033
317	5e+12	NDD Unbiased	3.0594	3.066	0.0066
318	5e+12	NDD Unbiased	3.0084	3.0076	-0.0008
320	5e+12	NDD Unbiased	3.0102	3.0144	0.0042
321	5e+12	NDD Unbiased	2.9646	2.9754	0.0108
322	1e+13	NDD Unbiased	3.0336	3.0514	0.0178
323	1e+13	NDD Unbiased	2.9084	2.9315	0.0231
324	1e+13	NDD Unbiased	2.946	2.9626	0.0166
325	1e+13	NDD Unbiased	2.91	2.9197	0.0097
326	0	Correlation	2.9422	2.9415	-0.0007
327	0	Correlation	2.9348	2.9227	-0.0121
328	0	Correlation	2.9517	2.943	-0.0087

NDD vs Post - Pre Exposure Delta

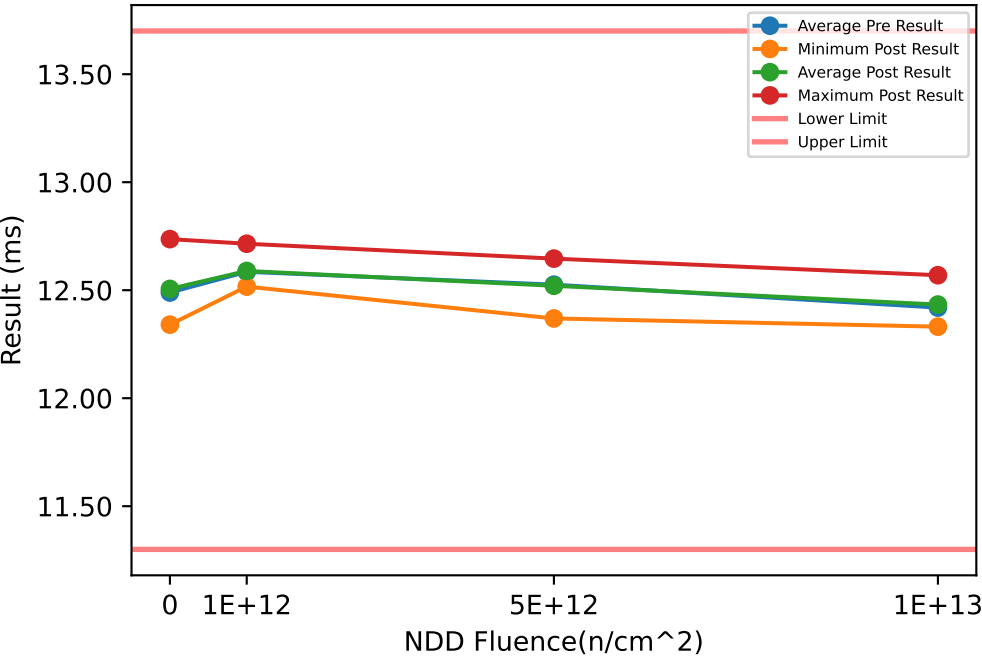


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9348	2.9429	2.9517	0.0084717	2.9227	2.9357	2.943	0.011312	-0.0121	-0.0071667	-0.0007	0.0058526
1e+12	2.9405	2.9738	3.0362	0.044933	2.9429	2.9759	3.0357	0.043455	-0.0005	0.002075	0.0041	0.0020565
5e+12	2.9646	3.0107	3.0594	0.03874	2.9754	3.0158	3.066	0.037512	-0.0008	0.0052	0.0108	0.0048415
1e+13	2.9084	2.9495	3.0336	0.058693	2.9197	2.9663	3.0514	0.059549	0.0097	0.0168	0.0231	0.0055118

Device Test: 5.50; DLY_TMR_500KOHM

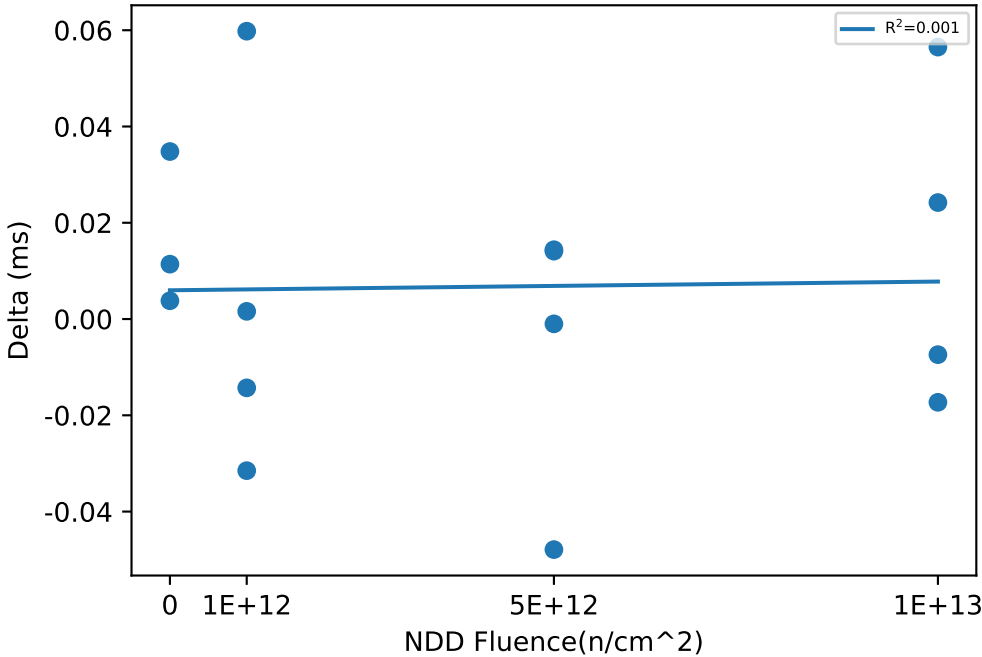
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.496	12.556	0.0598
314	1e+12	NDD Unbiased	12.582	12.568	-0.0143
315	1e+12	NDD Unbiased	12.548	12.517	-0.0315
316	1e+12	NDD Unbiased	12.713	12.715	0.0016
317	5e+12	NDD Unbiased	12.37	12.369	-0.001
318	5e+12	NDD Unbiased	12.529	12.543	0.0144
320	5e+12	NDD Unbiased	12.694	12.646	-0.0479
321	5e+12	NDD Unbiased	12.509	12.524	0.0141
322	1e+13	NDD Unbiased	12.404	12.429	0.0242
323	1e+13	NDD Unbiased	12.348	12.331	-0.0173
324	1e+13	NDD Unbiased	12.513	12.569	0.0565
325	1e+13	NDD Unbiased	12.412	12.405	-0.0074
326	0	Correlation	12.429	12.441	0.0114
327	0	Correlation	12.702	12.736	0.0348
328	0	Correlation	12.337	12.341	0.0038

NDD vs Post - Pre Exposure Delta

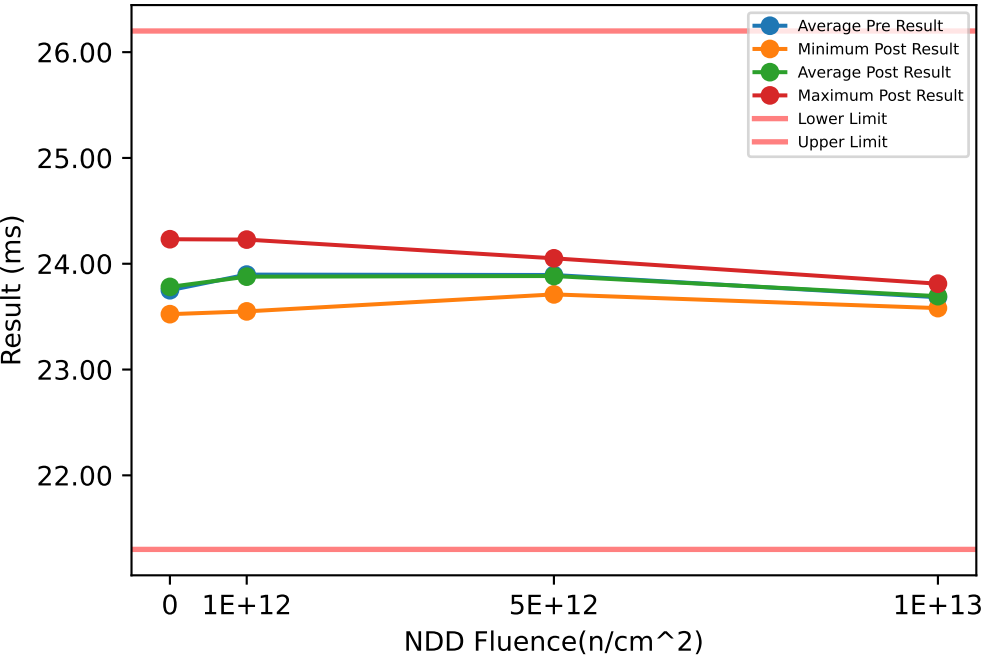


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.337	12.489	12.702	0.18972	12.341	12.506	12.736	0.20588	0.0038	0.016667	0.0348	0.016157
1e+12	12.496	12.585	12.713	0.092565	12.517	12.589	12.715	0.086853	-0.0315	0.0039	0.0598	0.039642
5e+12	12.37	12.526	12.694	0.13272	12.369	12.52	12.646	0.11437	-0.0479	-0.0051	0.0144	0.029425
1e+13	12.348	12.419	12.513	0.068428	12.331	12.433	12.569	0.099645	-0.0173	0.014	0.0565	0.033406

Device Test: 5.51; DLY_TMR_1MOHM

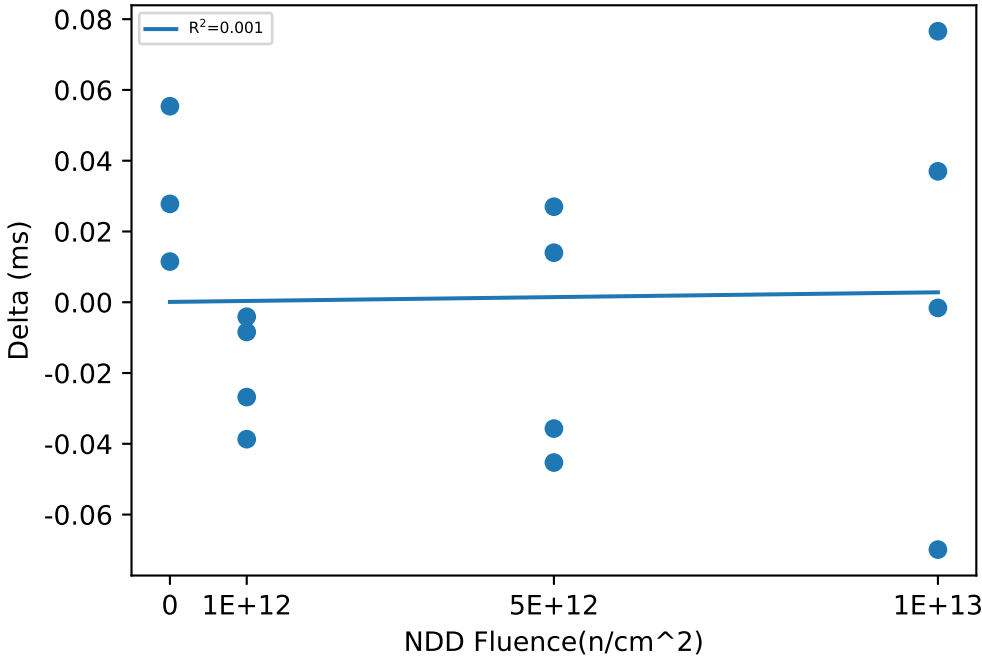
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.933	23.895	-0.0387
314	1e+12	NDD Unbiased	23.848	23.839	-0.0084
315	1e+12	NDD Unbiased	23.576	23.55	-0.0268
316	1e+12	NDD Unbiased	24.232	24.228	-0.0041
317	5e+12	NDD Unbiased	23.756	23.71	-0.0453
318	5e+12	NDD Unbiased	23.762	23.789	0.027
320	5e+12	NDD Unbiased	24.087	24.051	-0.0357
321	5e+12	NDD Unbiased	23.97	23.984	0.014
322	1e+13	NDD Unbiased	23.598	23.635	0.037
323	1e+13	NDD Unbiased	23.582	23.581	-0.0016
324	1e+13	NDD Unbiased	23.735	23.811	0.0766
325	1e+13	NDD Unbiased	23.817	23.747	-0.0699
326	0	Correlation	23.468	23.523	0.0554
327	0	Correlation	24.22	24.232	0.0115
328	0	Correlation	23.56	23.588	0.0278

NDD vs Post - Pre Exposure Delta

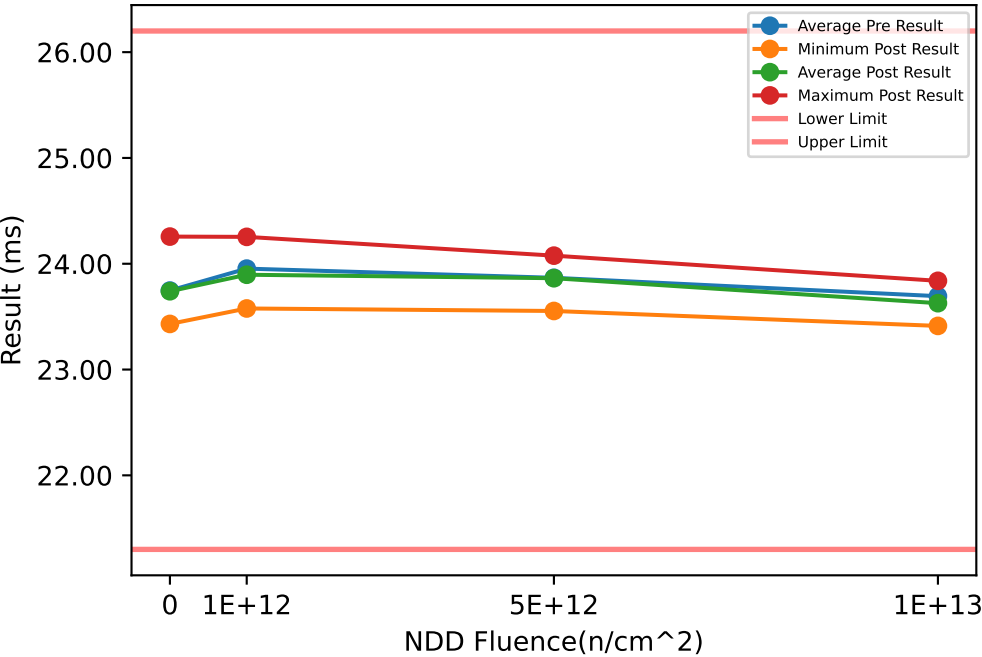


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.468	23.75	24.22	0.41028	23.523	23.781	24.232	0.39163	0.0115	0.031567	0.0554	0.022191
1e+12	23.576	23.898	24.232	0.27018	23.55	23.878	24.228	0.27826	-0.0387	-0.0195	-0.0041	0.016148
5e+12	23.756	23.894	24.087	0.16286	23.71	23.884	24.051	0.1604	-0.0453	-0.01	0.027	0.035831
1e+13	23.582	23.683	23.817	0.11276	23.581	23.694	23.811	0.10486	-0.0699	0.010525	0.0766	0.062402

Device Test: 5.52; DLY_TMR_1MOHM

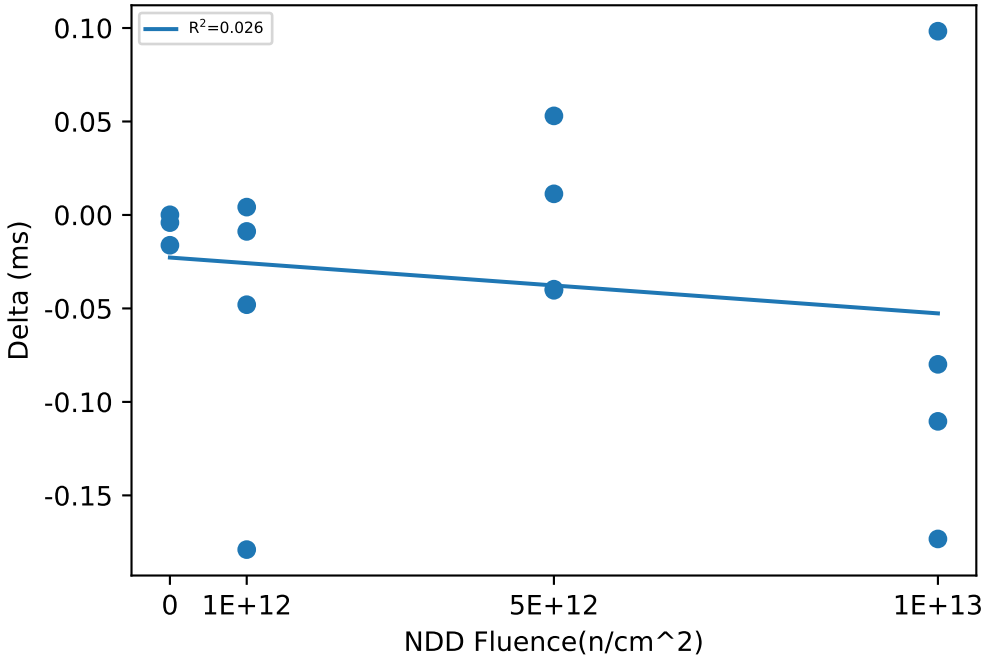
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.936	23.888	-0.048
314	1e+12	NDD Unbiased	23.874	23.865	-0.0088
315	1e+12	NDD Unbiased	23.756	23.577	-0.179
316	1e+12	NDD Unbiased	24.25	24.254	0.0042
317	5e+12	NDD Unbiased	23.593	23.554	-0.0397
318	5e+12	NDD Unbiased	23.761	23.814	0.053
320	5e+12	NDD Unbiased	24.117	24.077	-0.0403
321	5e+12	NDD Unbiased	23.998	24.009	0.0113
322	1e+13	NDD Unbiased	23.772	23.662	-0.1104
323	1e+13	NDD Unbiased	23.586	23.413	-0.1733
324	1e+13	NDD Unbiased	23.74	23.839	0.0983
325	1e+13	NDD Unbiased	23.676	23.596	-0.0799
326	0	Correlation	23.548	23.532	-0.0162
327	0	Correlation	24.257	24.257	0.0001
328	0	Correlation	23.435	23.431	-0.0041

NDD vs Post - Pre Exposure Delta

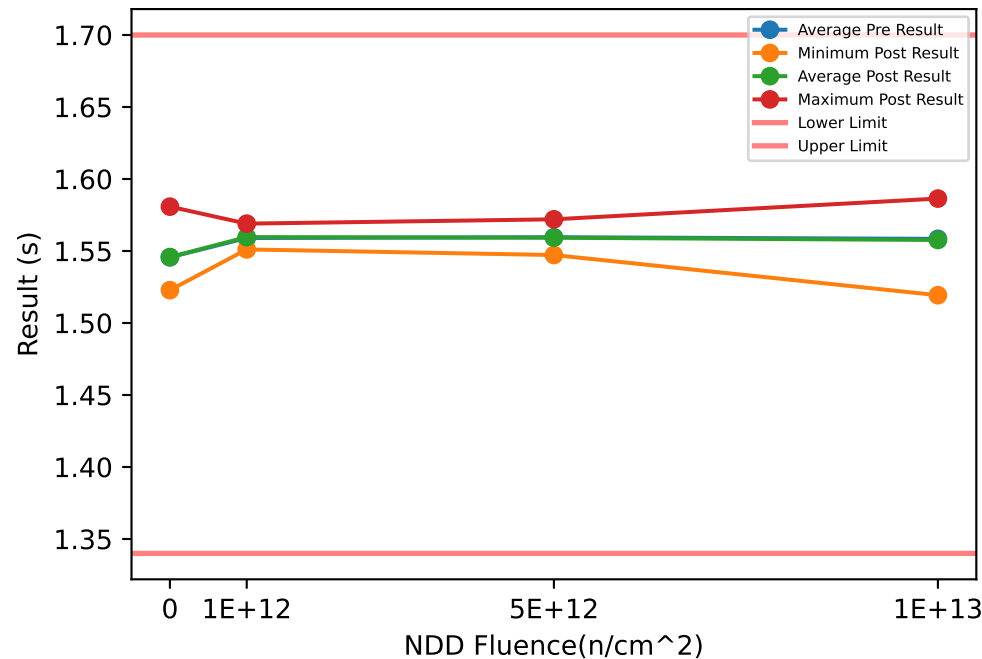


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.435	23.747	24.257	0.44525	23.431	23.74	24.257	0.4504	-0.0162	-0.0067333	0.0001	0.0084631
1e+12	23.756	23.954	24.25	0.21083	23.577	23.896	24.254	0.27738	-0.179	-0.0579	0.0042	0.083727
5e+12	23.593	23.867	24.117	0.23496	23.554	23.863	24.077	0.23455	-0.0403	-0.003925	0.053	0.045001
1e+13	23.586	23.694	23.772	0.082256	23.413	23.627	23.839	0.17602	-0.1733	-0.066325	0.0983	0.11644

Device Test: 5.53; WD_TMR_1MOHM

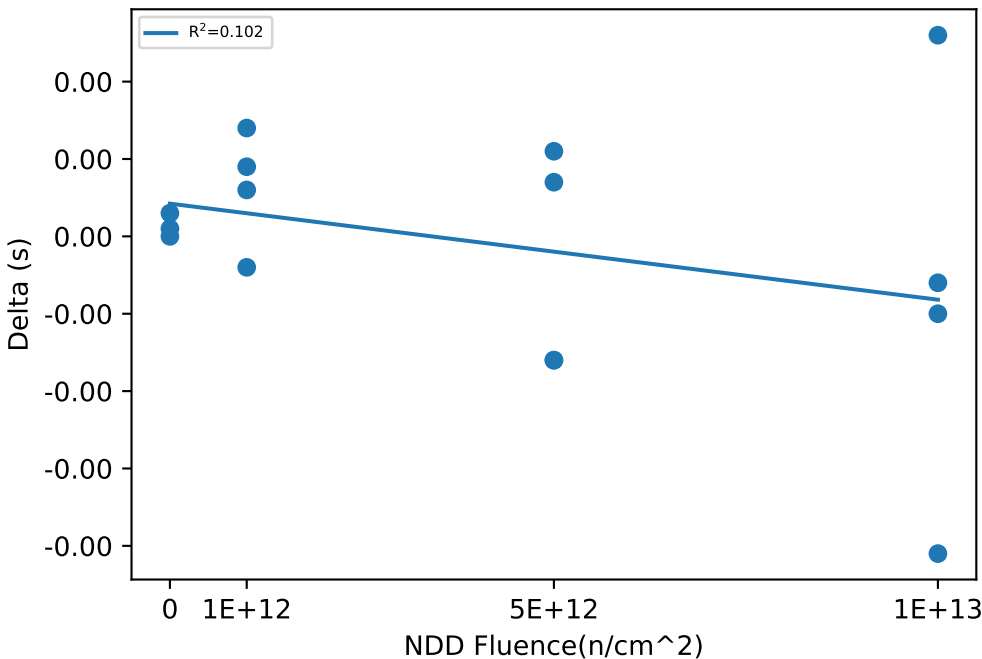
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.5681	1.569	0.0009
314	1e+12	NDD Unbiased	1.5515	1.5511	-0.0004
315	1e+12	NDD Unbiased	1.5657	1.5671	0.0014
316	1e+12	NDD Unbiased	1.5508	1.5514	0.0006
317	5e+12	NDD Unbiased	1.5494	1.5501	0.0007
318	5e+12	NDD Unbiased	1.5736	1.572	-0.0016
320	5e+12	NDD Unbiased	1.5488	1.5472	-0.0016
321	5e+12	NDD Unbiased	1.5665	1.5676	0.0011
322	1e+13	NDD Unbiased	1.5234	1.5193	-0.0041
323	1e+13	NDD Unbiased	1.561	1.5604	-0.0006
324	1e+13	NDD Unbiased	1.5838	1.5864	0.0026
325	1e+13	NDD Unbiased	1.5655	1.5645	-0.001
326	0	Correlation	1.5807	1.5808	0.0001
327	0	Correlation	1.5337	1.5337	0
328	0	Correlation	1.5225	1.5228	0.0003

NDD vs Post - Pre Exposure Delta

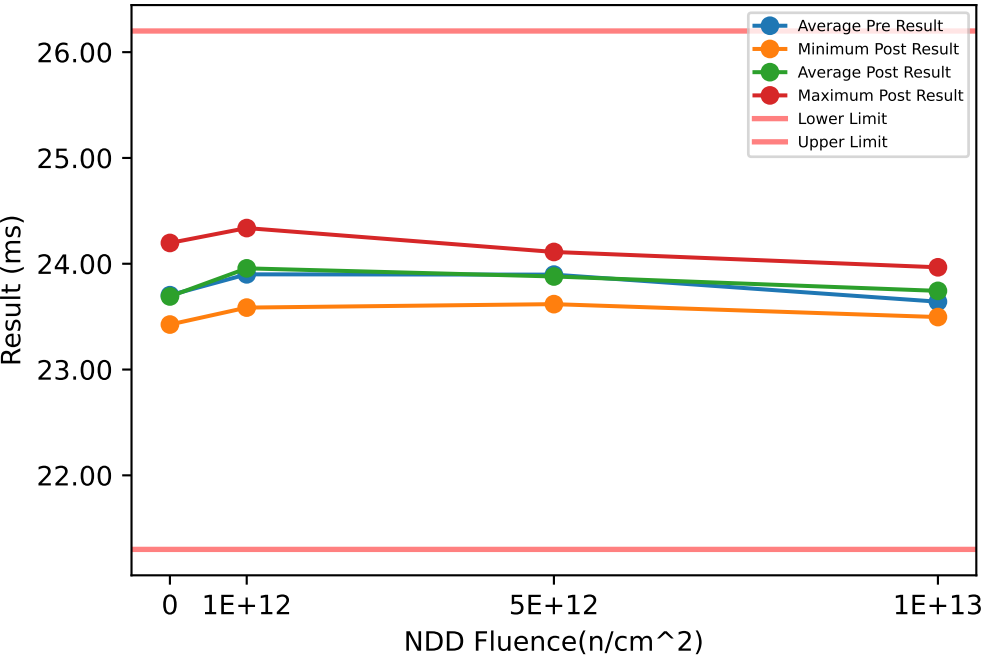


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5225	1.5456	1.5807	0.030881	1.5228	1.5458	1.5808	0.030825	0	0.00013333	0.0003	0.00015275
1e+12	1.5508	1.559	1.5681	0.0091504	1.5511	1.5596	1.569	0.0097312	-0.0004	0.000625	0.0014	0.00075884
5e+12	1.5488	1.5596	1.5736	0.01244	1.5472	1.5592	1.572	0.012399	-0.0016	-0.00035	0.0011	0.0014526
1e+13	1.5234	1.5584	1.5838	0.025346	1.5193	1.5576	1.5864	0.027999	-0.0041	-0.000775	0.0026	0.0027403

Device Test: 5.54; DLY_TMR_1MOHM

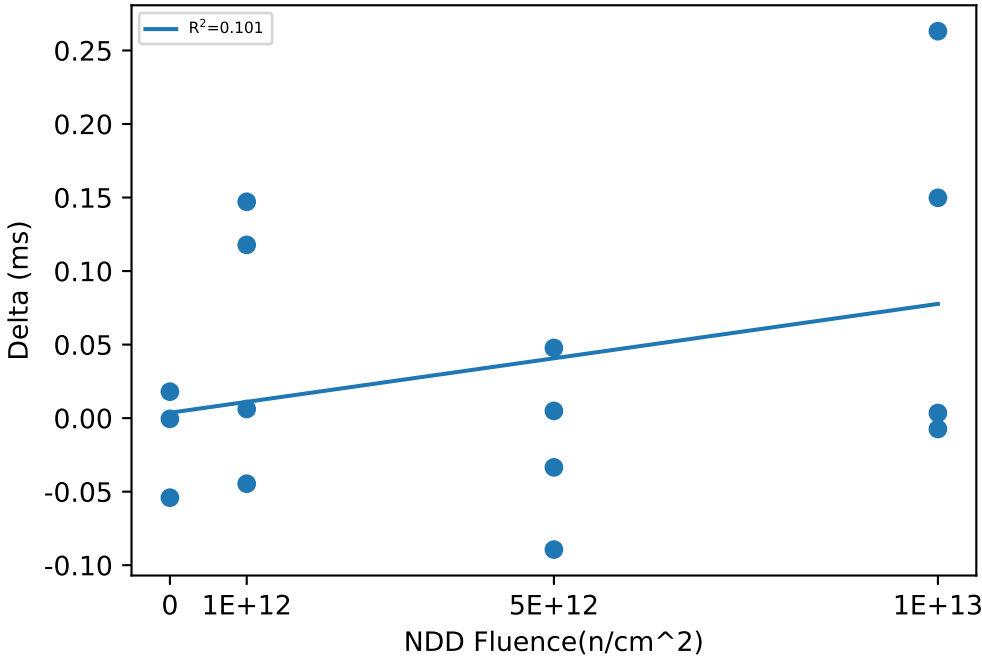
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.945	23.951	0.0062
314	1e+12	NDD Unbiased	23.834	23.952	0.1178
315	1e+12	NDD Unbiased	23.63	23.586	-0.0446
316	1e+12	NDD Unbiased	24.19	24.337	0.1471
317	5e+12	NDD Unbiased	23.708	23.618	-0.0894
318	5e+12	NDD Unbiased	23.806	23.772	-0.0335
320	5e+12	NDD Unbiased	24.064	24.111	0.0477
321	5e+12	NDD Unbiased	24.012	24.017	0.0049
322	1e+13	NDD Unbiased	23.647	23.797	0.1498
323	1e+13	NDD Unbiased	23.493	23.496	0.0035
324	1e+13	NDD Unbiased	23.703	23.966	0.2631
325	1e+13	NDD Unbiased	23.722	23.715	-0.0074
326	0	Correlation	23.426	23.425	-0.0005
327	0	Correlation	24.251	24.197	-0.0541
328	0	Correlation	23.432	23.45	0.018

NDD vs Post - Pre Exposure Delta

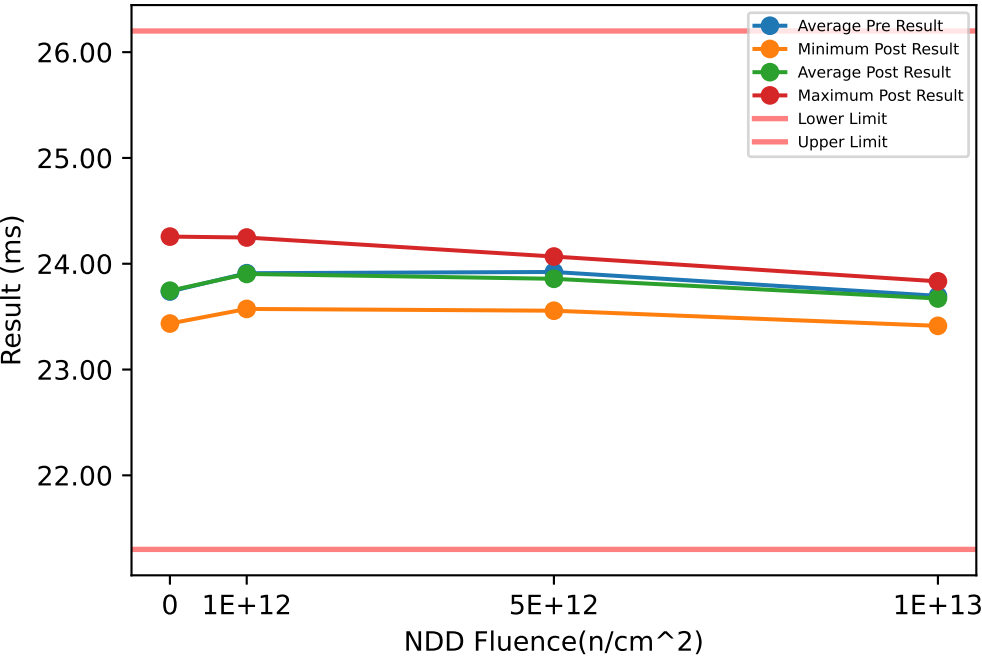


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.426	23.703	24.251	0.47433	23.425	23.691	24.197	0.43821	-0.0541	-0.0122	0.018	0.037447
1e+12	23.63	23.9	24.19	0.23339	23.586	23.957	24.337	0.30693	-0.0446	0.056625	0.1471	0.090769
5e+12	23.708	23.897	24.064	0.16856	23.618	23.88	24.111	0.22544	-0.0894	-0.017575	0.0477	0.058248
1e+13	23.493	23.641	23.722	0.10421	23.496	23.744	23.966	0.19544	-0.0074	0.10225	0.2631	0.12898

Device Test: 5.55; DLY_TMR_1MOHM

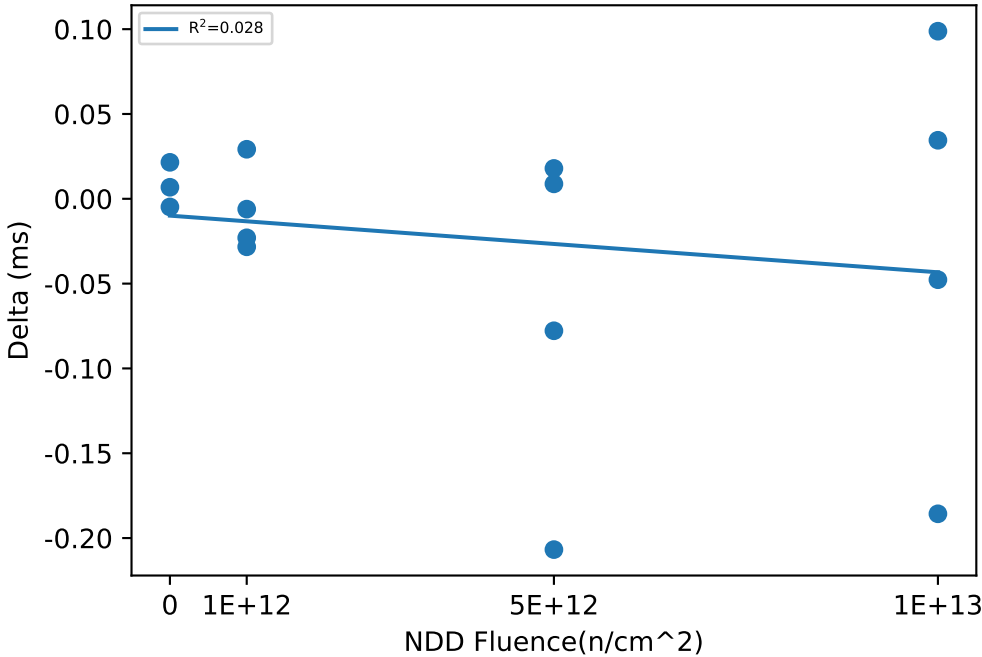
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.95	23.927	-0.023
314	1e+12	NDD Unbiased	23.837	23.866	0.0292
315	1e+12	NDD Unbiased	23.601	23.573	-0.0283
316	1e+12	NDD Unbiased	24.254	24.248	-0.0061
317	5e+12	NDD Unbiased	23.763	23.556	-0.2068
318	5e+12	NDD Unbiased	23.786	23.795	0.0088
320	5e+12	NDD Unbiased	24.146	24.068	-0.0778
321	5e+12	NDD Unbiased	23.994	24.012	0.0179
322	1e+13	NDD Unbiased	23.629	23.663	0.0345
323	1e+13	NDD Unbiased	23.599	23.413	-0.1857
324	1e+13	NDD Unbiased	23.735	23.834	0.0988
325	1e+13	NDD Unbiased	23.824	23.776	-0.0477
326	0	Correlation	23.538	23.544	0.0068
327	0	Correlation	24.235	24.257	0.0215
328	0	Correlation	23.44	23.435	-0.0048

NDD vs Post - Pre Exposure Delta

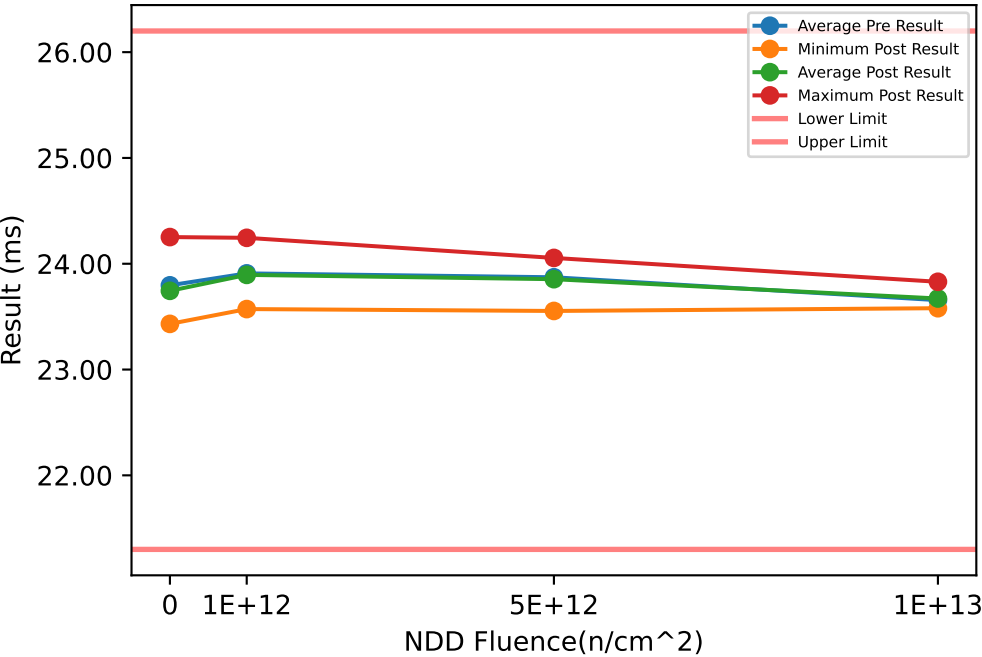


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.44	23.738	24.235	0.4338	23.435	23.745	24.257	0.44624	-0.0048	0.0078333	0.0215	0.01318
1e+12	23.601	23.911	24.254	0.27117	23.573	23.904	24.248	0.27677	-0.0283	-0.00705	0.0292	0.025955
5e+12	23.763	23.922	24.146	0.18177	23.556	23.858	24.068	0.23305	-0.2068	-0.064475	0.0179	0.10423
1e+13	23.599	23.697	23.824	0.1032	23.413	23.672	23.834	0.18636	-0.1857	-0.025025	0.0988	0.12276

Device Test: 5.56; DLY_TMR_1MOHM

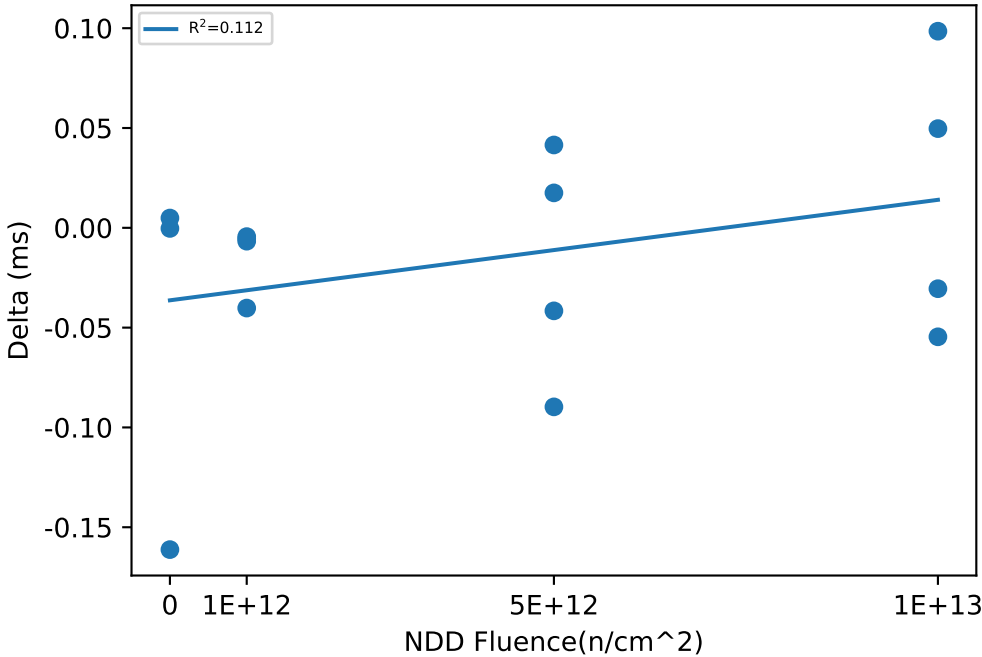
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.939	23.899	-0.0402
314	1e+12	NDD Unbiased	23.868	23.863	-0.0044
315	1e+12	NDD Unbiased	23.577	23.572	-0.0055
316	1e+12	NDD Unbiased	24.252	24.245	-0.0067
317	5e+12	NDD Unbiased	23.595	23.554	-0.0416
318	5e+12	NDD Unbiased	23.755	23.797	0.0415
320	5e+12	NDD Unbiased	24.145	24.055	-0.0897
321	5e+12	NDD Unbiased	23.993	24.011	0.0175
322	1e+13	NDD Unbiased	23.611	23.661	0.0497
323	1e+13	NDD Unbiased	23.61	23.58	-0.0305
324	1e+13	NDD Unbiased	23.731	23.829	0.0985
325	1e+13	NDD Unbiased	23.671	23.617	-0.0546
326	0	Correlation	23.543	23.548	0.0049
327	0	Correlation	24.253	24.252	-0.0003
328	0	Correlation	23.593	23.432	-0.1612

NDD vs Post - Pre Exposure Delta

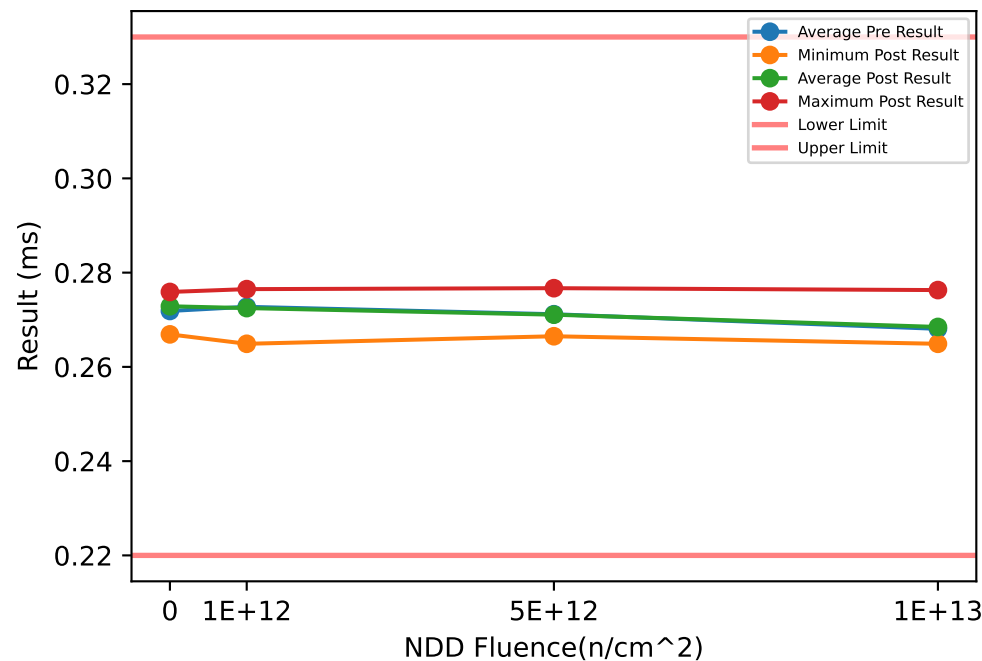


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.543	23.796	24.253	0.39597	23.432	23.744	24.252	0.44398	-0.1612	-0.0522	0.0049	0.094433
1e+12	23.577	23.909	24.252	0.27701	23.572	23.895	24.245	0.27574	-0.0402	-0.0142	-0.0044	0.017359
5e+12	23.595	23.872	24.145	0.24441	23.554	23.854	24.055	0.22978	-0.0897	-0.018075	0.0415	0.059156
1e+13	23.61	23.656	23.731	0.057673	23.58	23.672	23.829	0.11034	-0.0546	0.015775	0.0985	0.070919

Device Test: 5.57; DLY_TMR_10KOHM

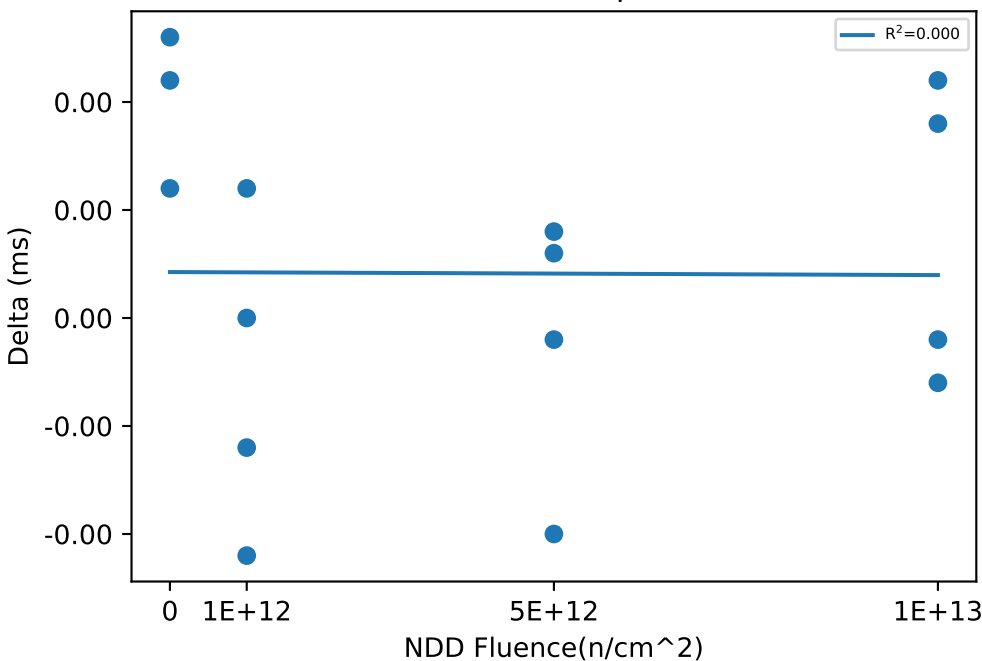
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2649	0.2649	0
314	1e+12	NDD Unbiased	0.2771	0.2765	-0.0006
315	1e+12	NDD Unbiased	0.2753	0.2742	-0.0011
316	1e+12	NDD Unbiased	0.2737	0.2743	0.0006
317	5e+12	NDD Unbiased	0.2662	0.2665	0.0003
318	5e+12	NDD Unbiased	0.2763	0.2767	0.0004
320	5e+12	NDD Unbiased	0.275	0.274	-0.001
321	5e+12	NDD Unbiased	0.2672	0.2671	-0.0001
322	1e+13	NDD Unbiased	0.264	0.2649	0.0009
323	1e+13	NDD Unbiased	0.2664	0.2663	-0.0001
324	1e+13	NDD Unbiased	0.2752	0.2763	0.0011
325	1e+13	NDD Unbiased	0.2667	0.2664	-0.0003
326	0	Correlation	0.2746	0.2759	0.0013
327	0	Correlation	0.2747	0.2758	0.0011
328	0	Correlation	0.2663	0.2669	0.0006

NDD vs Post - Pre Exposure Delta

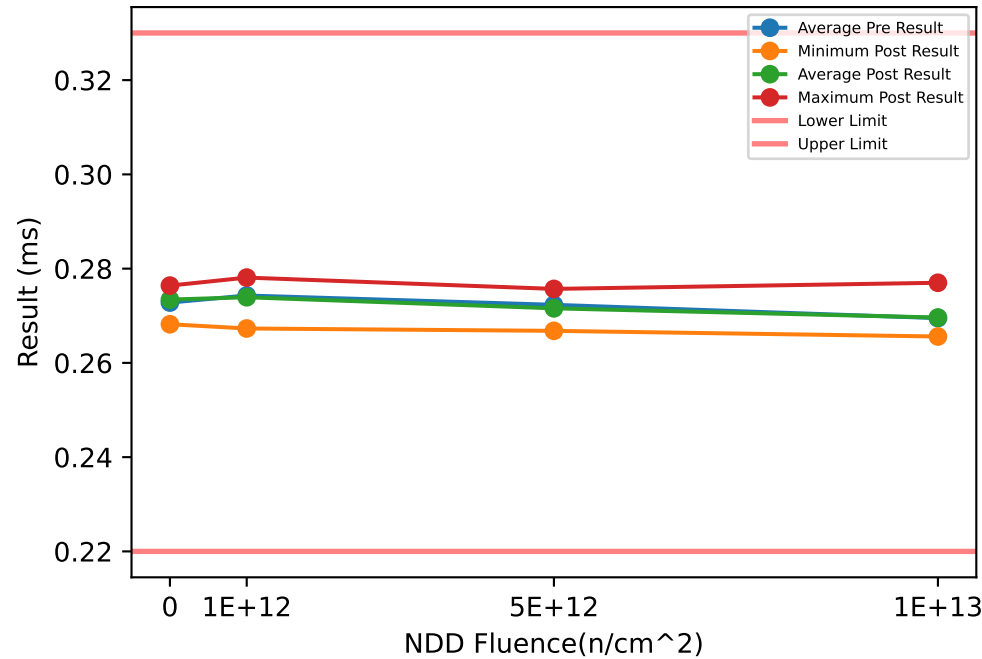


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2663	0.27187	0.2747	0.0048211	0.2669	0.27287	0.2759	0.0051675	0.0006	0.001	0.0013	0.00036056
1e+12	0.2649	0.27275	0.2771	0.0054145	0.2649	0.27248	0.2765	0.0051603	-0.0011	-0.000275	0.0006	0.00073655
5e+12	0.2662	0.27117	0.2763	0.0052105	0.2665	0.27108	0.2767	0.0050638	-0.001	-0.0001	0.0004	0.0006377
1e+13	0.264	0.26808	0.2752	0.0049013	0.2649	0.26848	0.2763	0.0052614	-0.0003	0.0004	0.0011	0.00070238

Device Test: 5.58; DLY_TMR_10KOHM

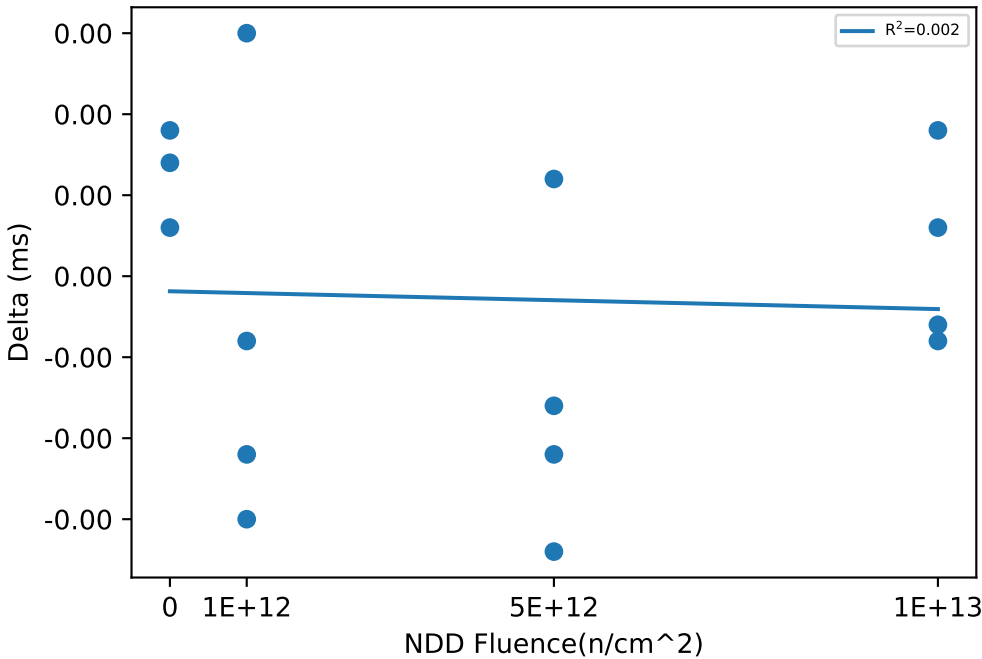
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2677	0.2673	-0.0004
314	1e+12	NDD Unbiased	0.2766	0.2781	0.0015
315	1e+12	NDD Unbiased	0.2765	0.275	-0.0015
316	1e+12	NDD Unbiased	0.2764	0.2753	-0.0011
317	5e+12	NDD Unbiased	0.2676	0.2668	-0.0008
318	5e+12	NDD Unbiased	0.2768	0.2757	-0.0011
320	5e+12	NDD Unbiased	0.2768	0.2751	-0.0017
321	5e+12	NDD Unbiased	0.2681	0.2687	0.0006
322	1e+13	NDD Unbiased	0.2659	0.2656	-0.0003
323	1e+13	NDD Unbiased	0.2681	0.2684	0.0003
324	1e+13	NDD Unbiased	0.2774	0.277	-0.0004
325	1e+13	NDD Unbiased	0.2666	0.2675	0.0009
326	0	Correlation	0.2755	0.2764	0.0009
327	0	Correlation	0.2754	0.2757	0.0003
328	0	Correlation	0.2675	0.2682	0.0007

NDD vs Post - Pre Exposure Delta

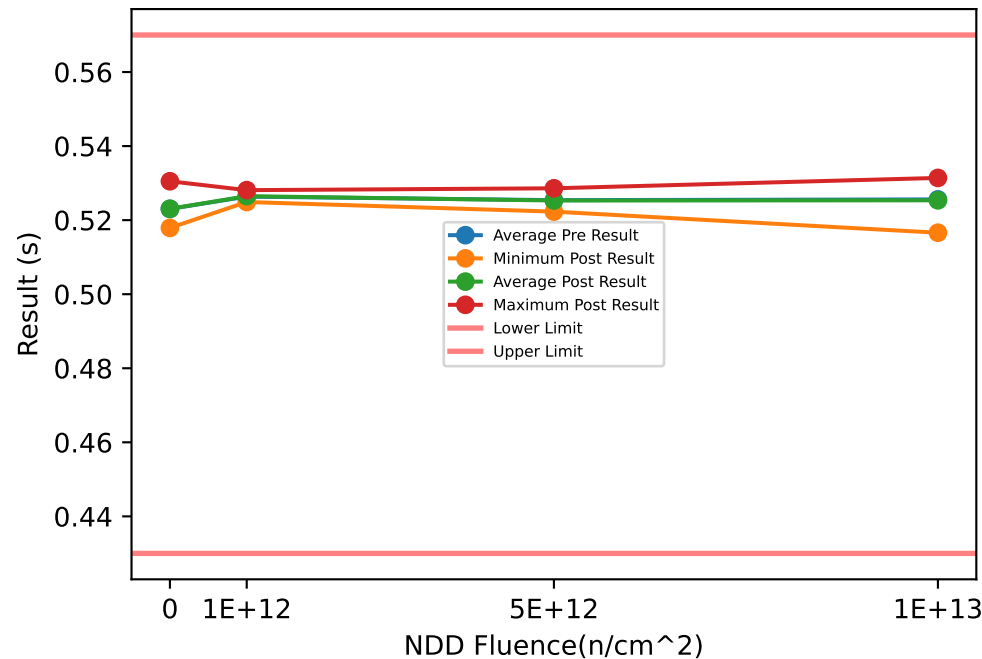


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2675	0.2728	0.2755	0.0045902	0.2682	0.27343	0.2764	0.0045457	0.0003	0.00063333	0.0009	0.00030551
1e+12	0.2677	0.2743	0.2766	0.0044008	0.2673	0.27392	0.2781	0.004632	-0.0015	-0.000375	0.0015	0.0013301
5e+12	0.2676	0.27232	0.2768	0.0051713	0.2668	0.27158	0.2757	0.004491	-0.0017	-0.00075	0.0006	0.00097468
1e+13	0.2659	0.2695	0.2774	0.005346	0.2656	0.26963	0.277	0.0050533	-0.0004	0.000125	0.0009	0.00060208

Device Test: 5.59; WD_TMR_10KOHM

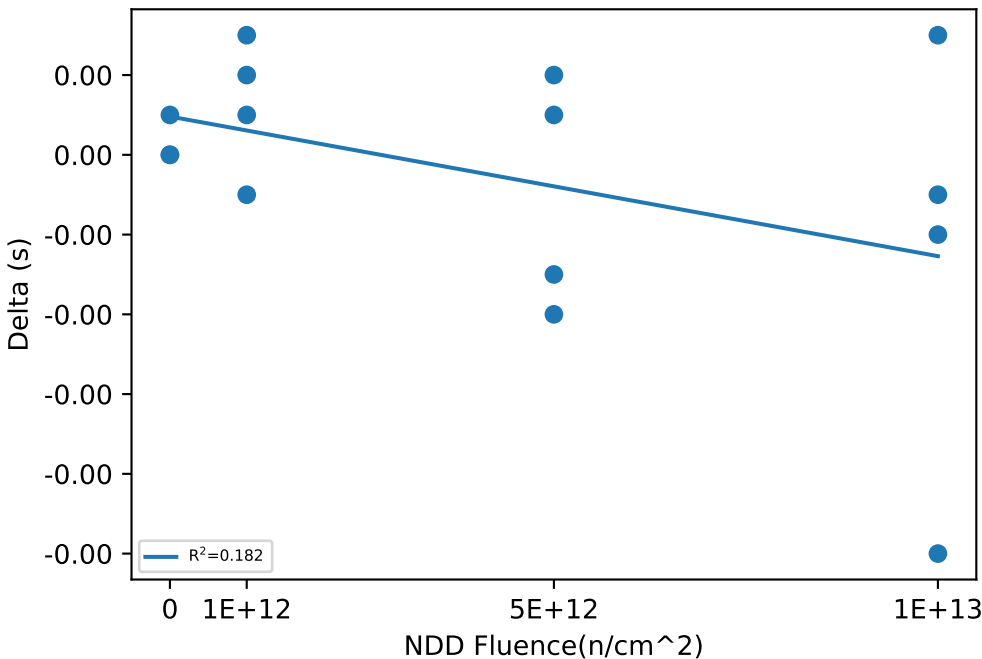
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.5272	0.5274	0.0002
314	1e+12	NDD Unbiased	0.5256	0.5255	-0.0001
315	1e+12	NDD Unbiased	0.5278	0.5281	0.0003
316	1e+12	NDD Unbiased	0.5248	0.5249	0.0001
317	5e+12	NDD Unbiased	0.5221	0.5223	0.0002
318	5e+12	NDD Unbiased	0.529	0.5286	-0.0004
320	5e+12	NDD Unbiased	0.5232	0.5229	-0.0003
321	5e+12	NDD Unbiased	0.5273	0.5274	0.0001
322	1e+13	NDD Unbiased	0.5176	0.5166	-0.001
323	1e+13	NDD Unbiased	0.5269	0.5268	-0.0001
324	1e+13	NDD Unbiased	0.5311	0.5314	0.0003
325	1e+13	NDD Unbiased	0.5268	0.5266	-0.0002
326	0	Correlation	0.5304	0.5305	0.0001
327	0	Correlation	0.5208	0.5208	0
328	0	Correlation	0.5179	0.5179	0

NDD vs Post - Pre Exposure Delta

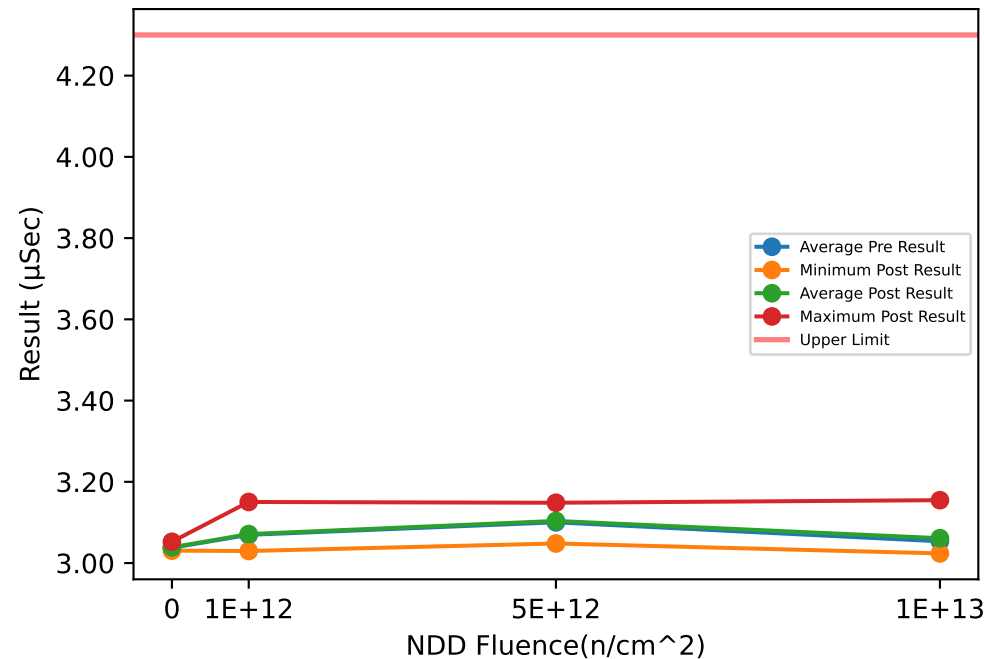


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5179	0.52303	0.5304	0.0065424	0.5179	0.52307	0.5305	0.0065987	0	3.3333e-05	0.0001	5.7735e-05
1e+12	0.5248	0.52635	0.5278	0.0013892	0.5249	0.52648	0.5281	0.0015196	-0.0001	0.000125	0.0003	0.00017078
5e+12	0.5221	0.5254	0.529	0.0032813	0.5223	0.5253	0.5286	0.0031654	-0.0004	-0.0001	0.0002	0.00029439
1e+13	0.5176	0.5256	0.5311	0.0056974	0.5166	0.52535	0.5314	0.0062405	-0.001	-0.00025	0.0003	0.00054467

Device Test: 5.6; PROPD_RESET

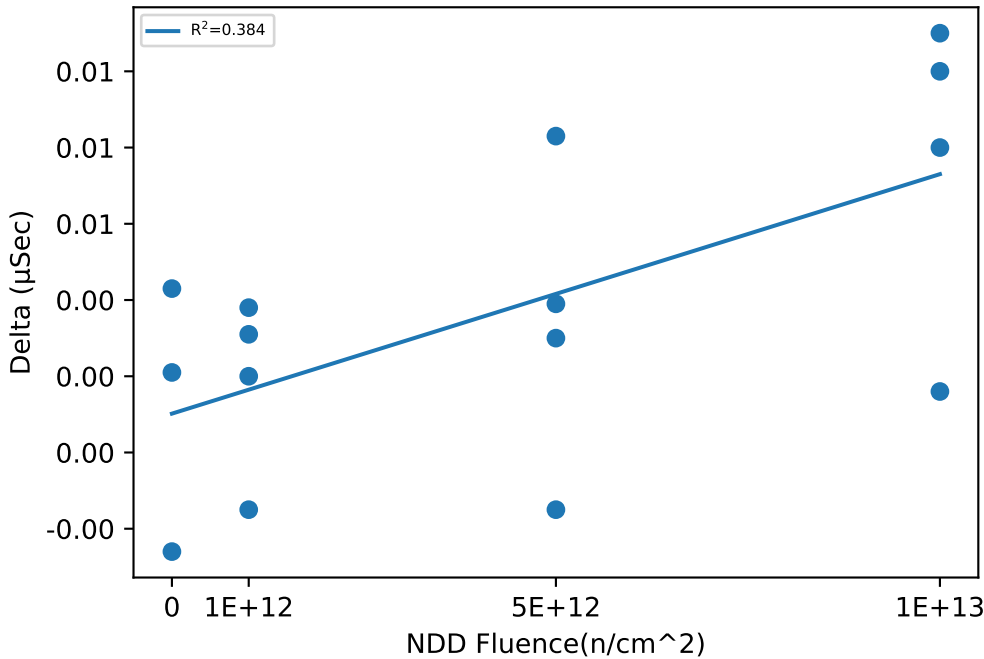
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.1484	3.1504	0.002
314	1e+12	NDD Unbiased	3.0443	3.0428	-0.0015
315	1e+12	NDD Unbiased	3.0266	3.0297	0.0031
316	1e+12	NDD Unbiased	3.0586	3.0624	0.0038
317	5e+12	NDD Unbiased	3.1402	3.1485	0.0083
318	5e+12	NDD Unbiased	3.1194	3.1179	-0.0015
320	5e+12	NDD Unbiased	3.0973	3.1003	0.003
321	5e+12	NDD Unbiased	3.0443	3.0482	0.0039
322	1e+13	NDD Unbiased	3.1438	3.1548	0.011
323	1e+13	NDD Unbiased	3.034	3.042	0.008
324	1e+13	NDD Unbiased	3.0226	3.0242	0.0016
325	1e+13	NDD Unbiased	3.0138	3.0238	0.01
326	0	Correlation	3.0481	3.0524	0.0043
327	0	Correlation	3.0332	3.0306	-0.0026
328	0	Correlation	3.0314	3.0335	0.0021

NDD vs Post - Pre Exposure Delta

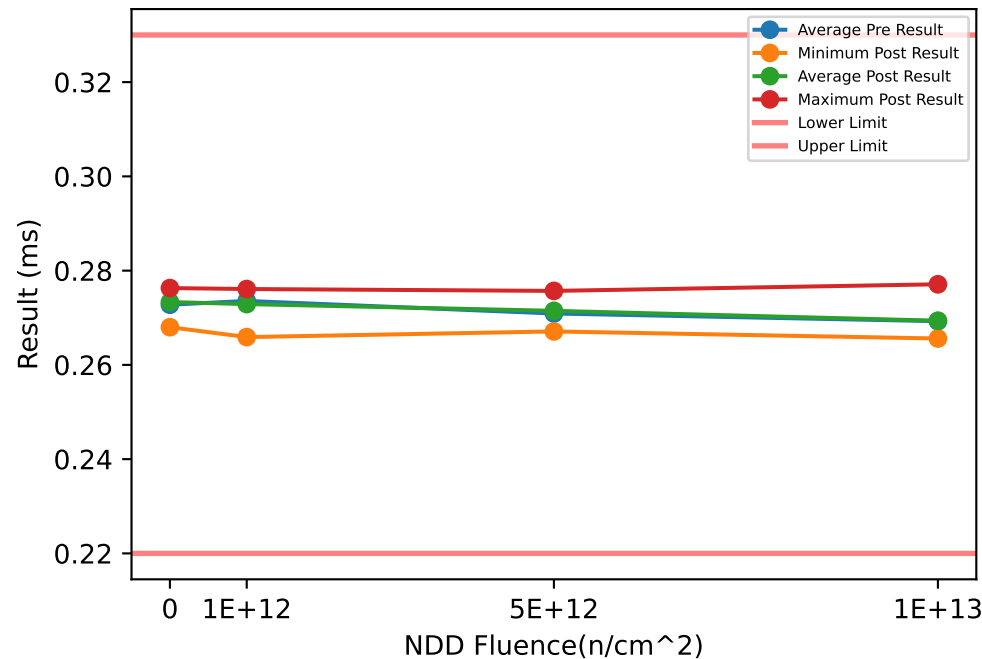


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0314	3.0376	3.0481	0.0091664	3.0306	3.0388	3.0524	0.011838	-0.0026	0.0012667	0.0043	0.0035247
1e+12	3.0266	3.0695	3.1484	0.05422	3.0297	3.0713	3.1504	0.054402	-0.0015	0.00185	0.0038	0.002353
5e+12	3.0443	3.1003	3.1402	0.041238	3.0482	3.1037	3.1485	0.042034	-0.0015	0.003425	0.0083	0.0040178
1e+13	3.0138	3.0535	3.1438	0.060732	3.0238	3.0612	3.1548	0.062974	0.0016	0.00765	0.011	0.0042218

Device Test: 5.60; DLY_TMR_10KOHM

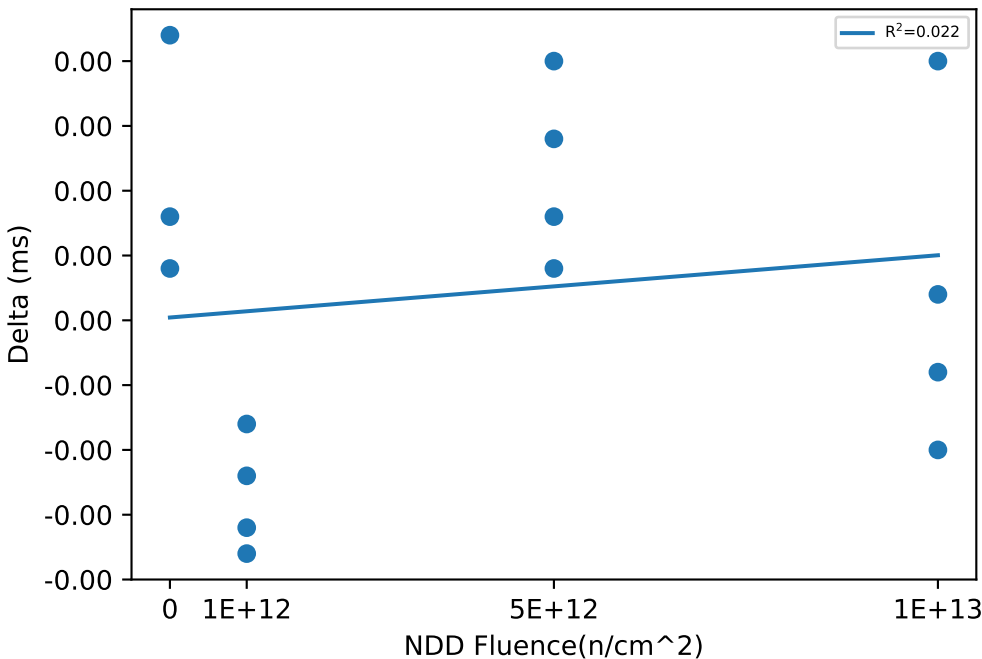
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2667	0.2659	-0.0008
314	1e+12	NDD Unbiased	0.277	0.2761	-0.0009
315	1e+12	NDD Unbiased	0.2745	0.2741	-0.0004
316	1e+12	NDD Unbiased	0.2761	0.2755	-0.0006
317	5e+12	NDD Unbiased	0.2664	0.2671	0.0007
318	5e+12	NDD Unbiased	0.2752	0.2754	0.0002
320	5e+12	NDD Unbiased	0.2747	0.2757	0.001
321	5e+12	NDD Unbiased	0.2673	0.2677	0.0004
322	1e+13	NDD Unbiased	0.2661	0.2656	-0.0005
323	1e+13	NDD Unbiased	0.268	0.2678	-0.0002
324	1e+13	NDD Unbiased	0.277	0.2771	0.0001
325	1e+13	NDD Unbiased	0.266	0.267	0.001
326	0	Correlation	0.2755	0.2757	0.0002
327	0	Correlation	0.2759	0.2763	0.0004
328	0	Correlation	0.2669	0.268	0.0011

NDD vs Post - Pre Exposure Delta

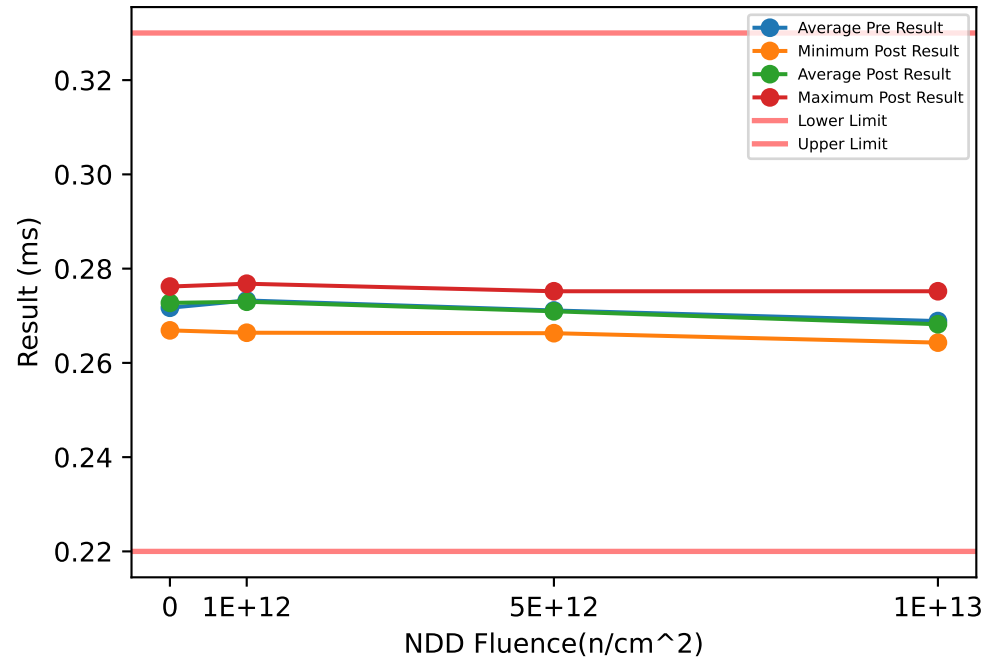


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2669	0.27277	0.2759	0.0050846	0.268	0.27333	0.2763	0.0046285	0.0002	0.00056667	0.0011	0.00047258
1e+12	0.2667	0.27358	0.277	0.0046985	0.2659	0.2729	0.2761	0.0047413	-0.0009	-0.000675	-0.0004	0.00022174
5e+12	0.2664	0.2709	0.2752	0.0046954	0.2671	0.27148	0.2757	0.0047134	0.0002	0.000575	0.001	0.00035
1e+13	0.266	0.26928	0.277	0.0052316	0.2656	0.26938	0.2771	0.0052296	-0.0005	0.0001	0.001	0.00064807

Device Test: 5.61; DLY_TMR_10KOHM

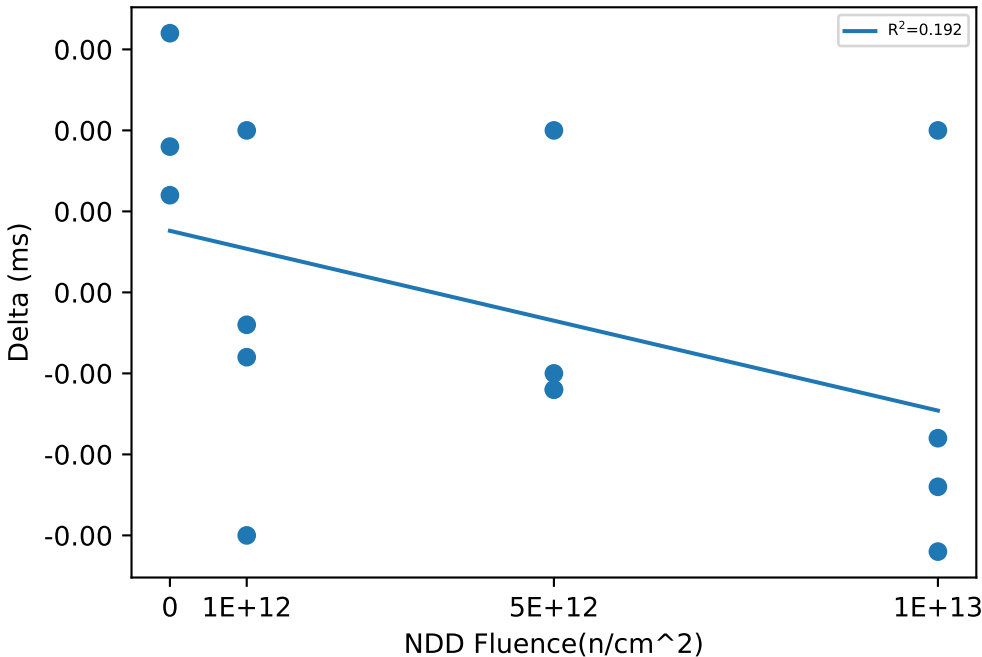
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2654	0.2664	0.001
314	1e+12	NDD Unbiased	0.2772	0.2768	-0.0004
315	1e+12	NDD Unbiased	0.2747	0.2745	-0.0002
316	1e+12	NDD Unbiased	0.2757	0.2742	-0.0015
317	5e+12	NDD Unbiased	0.2668	0.2663	-0.0005
318	5e+12	NDD Unbiased	0.2758	0.2752	-0.0006
320	5e+12	NDD Unbiased	0.275	0.2744	-0.0006
321	5e+12	NDD Unbiased	0.2669	0.2679	0.001
322	1e+13	NDD Unbiased	0.2659	0.2643	-0.0016
323	1e+13	NDD Unbiased	0.2676	0.2667	-0.0009
324	1e+13	NDD Unbiased	0.2764	0.2752	-0.0012
325	1e+13	NDD Unbiased	0.2656	0.2666	0.001
326	0	Correlation	0.2742	0.2751	0.0009
327	0	Correlation	0.2746	0.2762	0.0016
328	0	Correlation	0.2663	0.2669	0.0006

NDD vs Post - Pre Exposure Delta

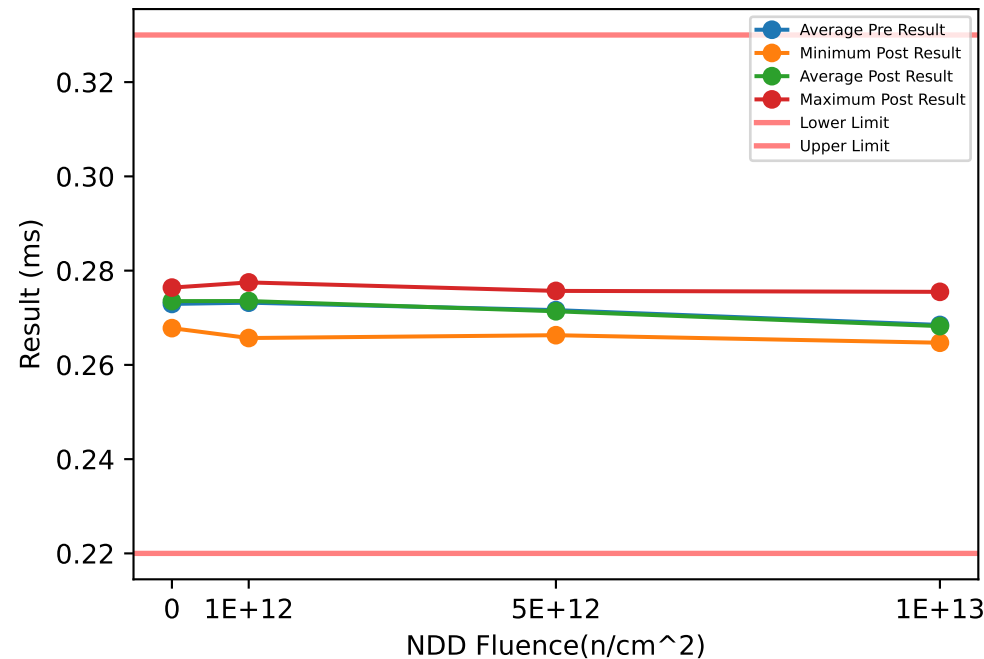


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2663	0.2717	0.2746	0.0046808	0.2669	0.27273	0.2762	0.0050817	0.0006	0.0010333	0.0016	0.00051316
1e+12	0.2654	0.27325	0.2772	0.0053332	0.2664	0.27298	0.2768	0.0045346	-0.0015	-0.000275	0.001	0.0010243
5e+12	0.2668	0.27113	0.2758	0.0049473	0.2663	0.27095	0.2752	0.0045052	-0.0006	-0.000175	0.001	0.00078475
1e+13	0.2656	0.26887	0.2764	0.0050934	0.2643	0.2682	0.2752	0.0047965	-0.0016	-0.000675	0.001	0.0011529

Device Test: 5.62; DLY_TMR_10KOHM

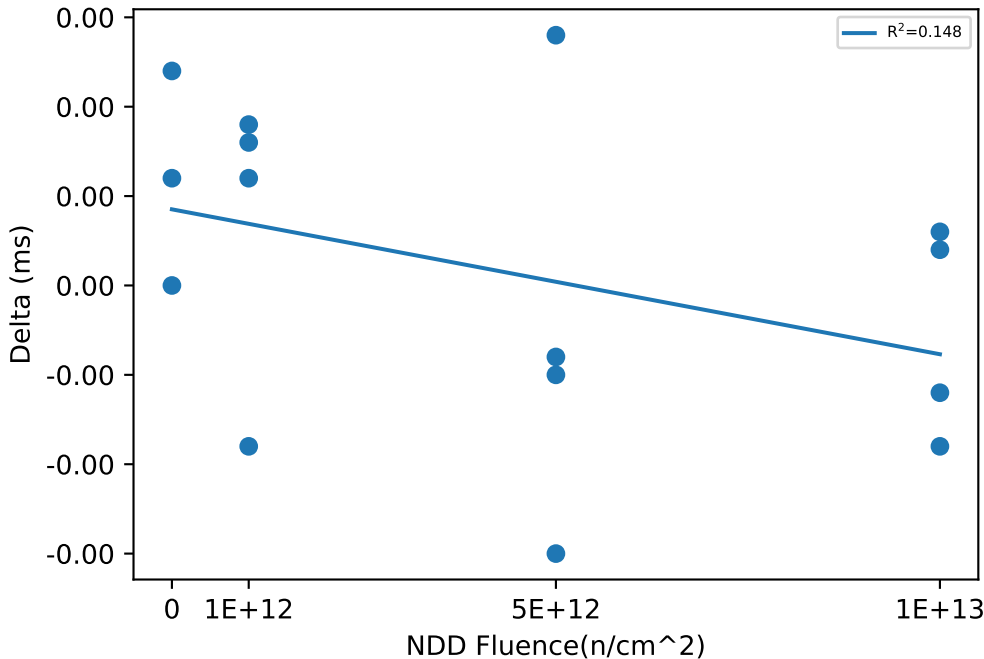
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2666	0.2657	-0.0009
314	1e+12	NDD Unbiased	0.2769	0.2775	0.0006
315	1e+12	NDD Unbiased	0.2749	0.2758	0.0009
316	1e+12	NDD Unbiased	0.2744	0.2752	0.0008
317	5e+12	NDD Unbiased	0.2678	0.2663	-0.0015
318	5e+12	NDD Unbiased	0.2761	0.2757	-0.0004
320	5e+12	NDD Unbiased	0.2754	0.2749	-0.0005
321	5e+12	NDD Unbiased	0.2672	0.2686	0.0014
322	1e+13	NDD Unbiased	0.2653	0.2647	-0.0006
323	1e+13	NDD Unbiased	0.2666	0.2668	0.0002
324	1e+13	NDD Unbiased	0.2764	0.2755	-0.0009
325	1e+13	NDD Unbiased	0.2656	0.2659	0.0003
326	0	Correlation	0.2752	0.2764	0.0012
327	0	Correlation	0.2764	0.2764	0
328	0	Correlation	0.2672	0.2678	0.0006

NDD vs Post - Pre Exposure Delta

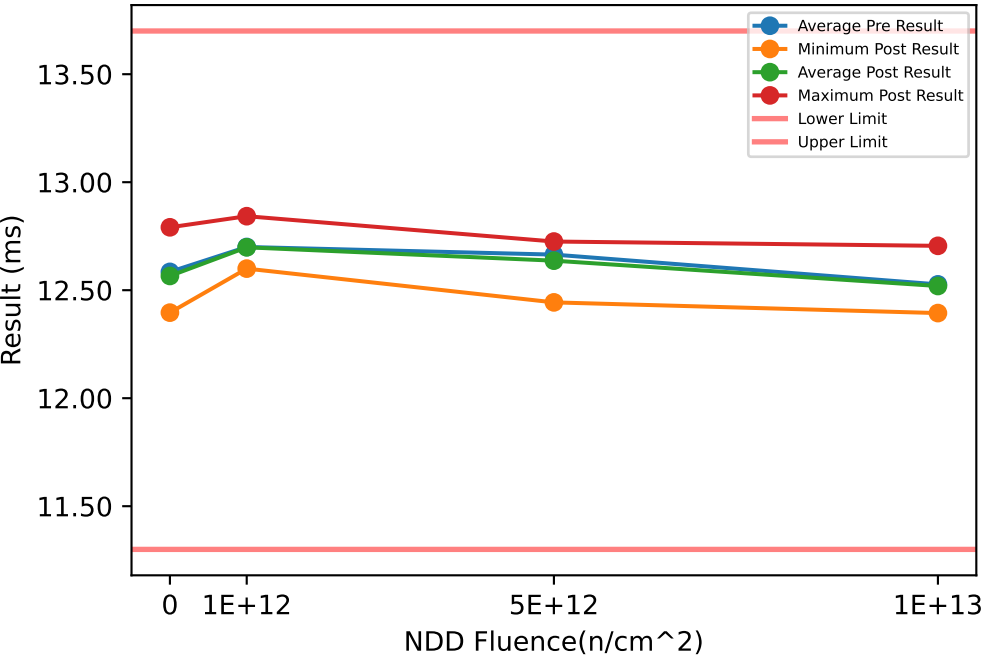


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2672	0.27293	0.2764	0.0050013	0.2678	0.27353	0.2764	0.0049652	0	0.0006	0.0012	0.0006
1e+12	0.2666	0.2732	0.2769	0.0045306	0.2657	0.27355	0.2775	0.0053232	-0.0009	0.00035	0.0009	0.00084261
5e+12	0.2672	0.27163	0.2761	0.004778	0.2663	0.27137	0.2757	0.00464	-0.0015	-0.00025	0.0014	0.0012069
1e+13	0.2653	0.26848	0.2764	0.0053125	0.2647	0.26822	0.2755	0.0049257	-0.0009	-0.00025	0.0003	0.00059161

Device Test: 5.63; DLY_TMR_500KOHM

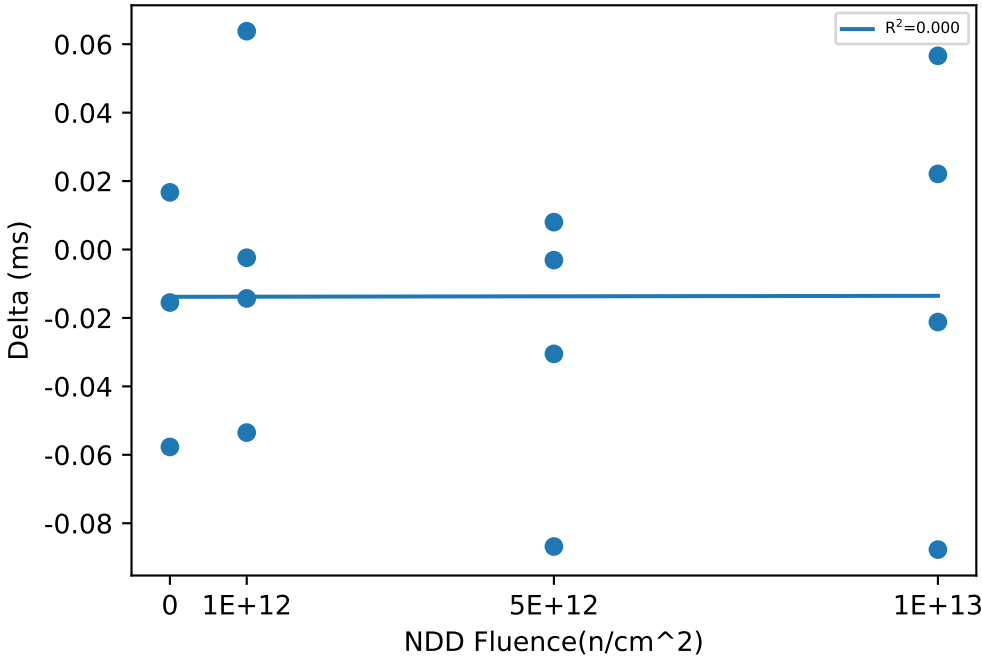
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.654	12.601	-0.0535
314	1e+12	NDD Unbiased	12.753	12.751	-0.0024
315	1e+12	NDD Unbiased	12.614	12.6	-0.0143
316	1e+12	NDD Unbiased	12.779	12.843	0.0638
317	5e+12	NDD Unbiased	12.474	12.444	-0.0305
318	5e+12	NDD Unbiased	12.696	12.704	0.008
320	5e+12	NDD Unbiased	12.812	12.725	-0.0868
321	5e+12	NDD Unbiased	12.677	12.674	-0.0031
322	1e+13	NDD Unbiased	12.474	12.496	0.0221
323	1e+13	NDD Unbiased	12.482	12.394	-0.0877
324	1e+13	NDD Unbiased	12.649	12.705	0.0566
325	1e+13	NDD Unbiased	12.504	12.482	-0.0212
326	0	Correlation	12.494	12.511	0.0167
327	0	Correlation	12.849	12.791	-0.0577
328	0	Correlation	12.412	12.396	-0.0155

NDD vs Post - Pre Exposure Delta

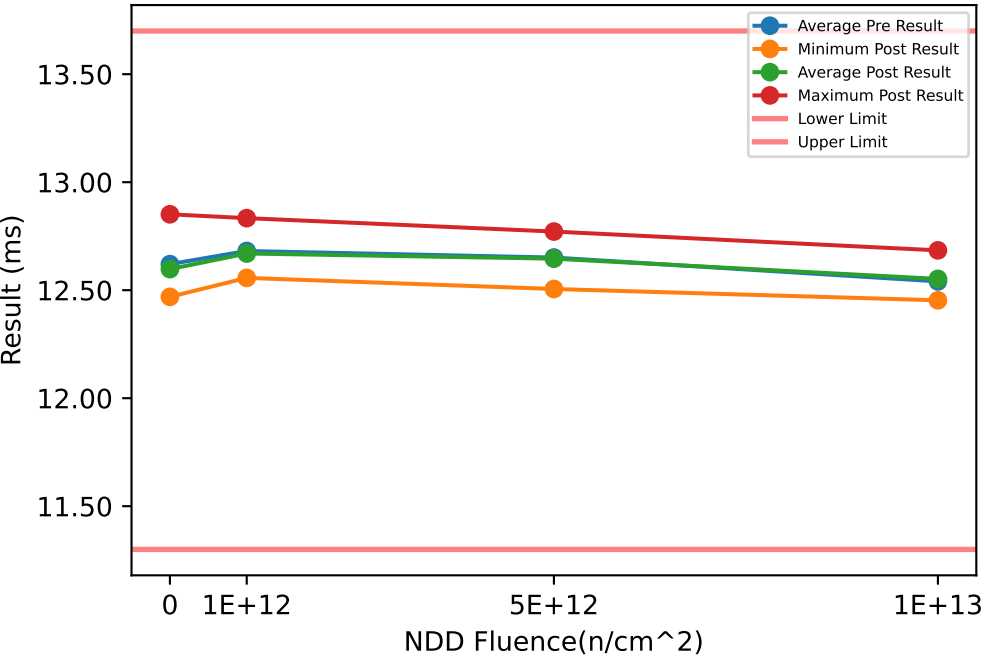


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.412	12.585	12.849	0.23241	12.396	12.566	12.791	0.2033	-0.0577	-0.018833	0.0167	0.037312
1e+12	12.614	12.7	12.779	0.078568	12.6	12.698	12.843	0.11947	-0.0535	-0.0016	0.0638	0.04876
5e+12	12.474	12.665	12.812	0.14045	12.444	12.637	12.725	0.13044	-0.0868	-0.0281	0.008	0.042346
1e+13	12.474	12.527	12.649	0.08218	12.394	12.519	12.705	0.13194	-0.0877	-0.00755	0.0566	0.062195

Device Test: 5.64; DLY_TMR_500KOHM

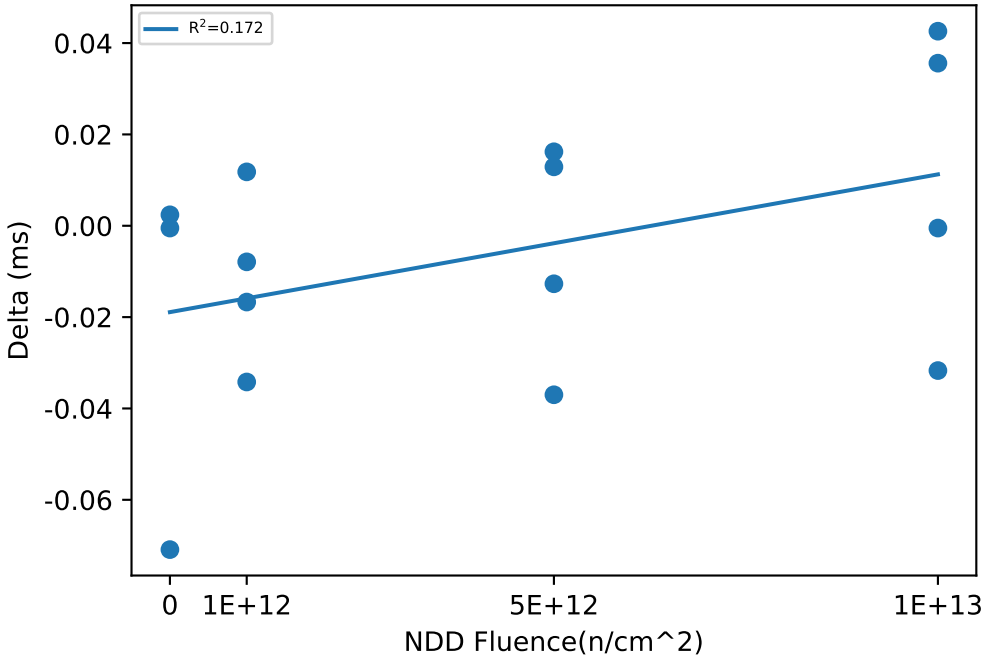
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.612	12.578	-0.0342
314	1e+12	NDD Unbiased	12.699	12.711	0.0118
315	1e+12	NDD Unbiased	12.574	12.557	-0.0167
316	1e+12	NDD Unbiased	12.841	12.834	-0.0079
317	5e+12	NDD Unbiased	12.518	12.506	-0.0127
318	5e+12	NDD Unbiased	12.644	12.66	0.0162
320	5e+12	NDD Unbiased	12.809	12.771	-0.037
321	5e+12	NDD Unbiased	12.634	12.647	0.0129
322	1e+13	NDD Unbiased	12.505	12.54	0.0356
323	1e+13	NDD Unbiased	12.454	12.453	-0.0005
324	1e+13	NDD Unbiased	12.642	12.684	0.0426
325	1e+13	NDD Unbiased	12.563	12.531	-0.0317
326	0	Correlation	12.543	12.472	-0.0709
327	0	Correlation	12.852	12.851	-0.0005
328	0	Correlation	12.467	12.469	0.0024

NDD vs Post - Pre Exposure Delta

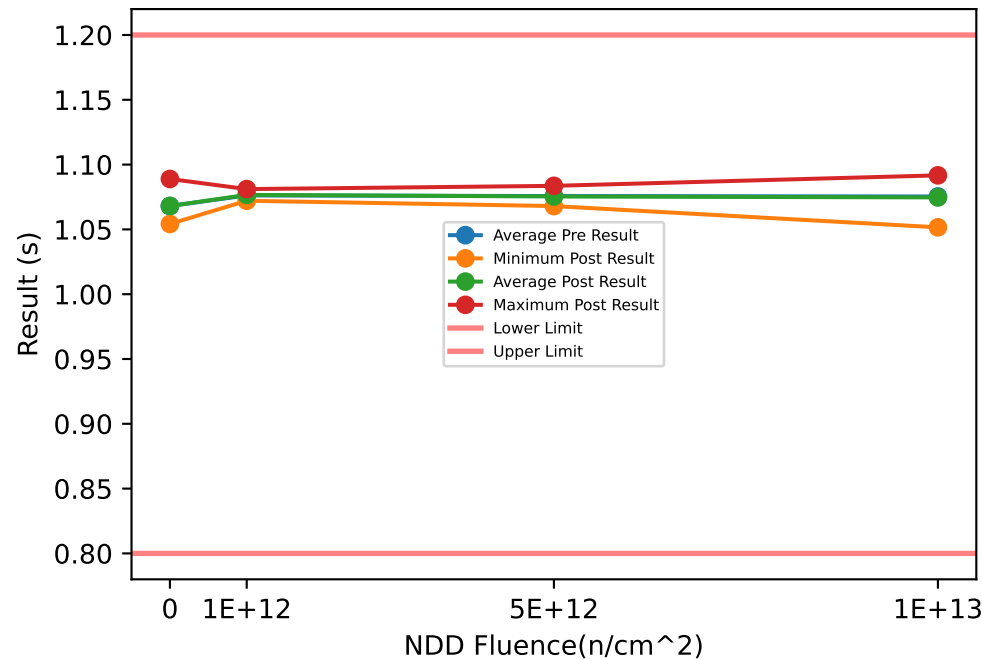


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.467	12.621	12.852	0.20389	12.469	12.598	12.851	0.2198	-0.0709	-0.023	0.0024	0.041508
1e+12	12.574	12.682	12.841	0.11883	12.557	12.67	12.834	0.12873	-0.0342	-0.01175	0.0118	0.019131
5e+12	12.518	12.651	12.809	0.11938	12.506	12.646	12.771	0.10902	-0.037	-0.00515	0.0162	0.024853
1e+13	12.454	12.541	12.642	0.080813	12.453	12.552	12.684	0.09641	-0.0317	0.0115	0.0426	0.03444

Device Test: 5.65; WD_TMR_500KOHM

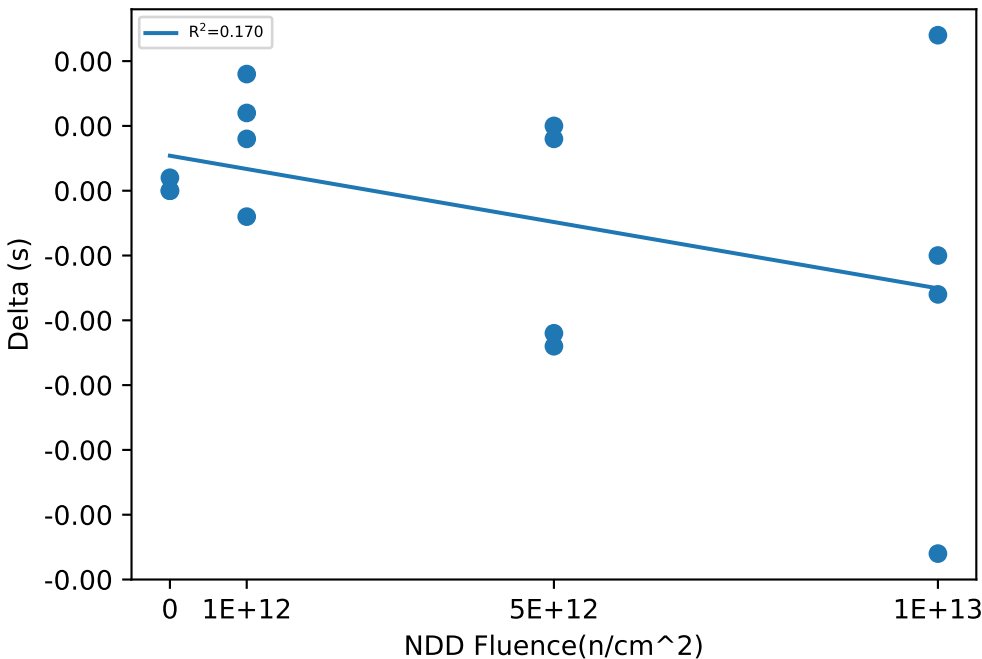
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0805	1.0811	0.0006
314	1e+12	NDD Unbiased	1.0724	1.0722	-0.0002
315	1e+12	NDD Unbiased	1.0802	1.0811	0.0009
316	1e+12	NDD Unbiased	1.0717	1.0721	0.0004
317	5e+12	NDD Unbiased	1.0687	1.0691	0.0004
318	5e+12	NDD Unbiased	1.0847	1.0836	-0.0011
320	5e+12	NDD Unbiased	1.0692	1.068	-0.0012
321	5e+12	NDD Unbiased	1.0804	1.0809	0.0005
322	1e+13	NDD Unbiased	1.0544	1.0516	-0.0028
323	1e+13	NDD Unbiased	1.0774	1.0769	-0.0005
324	1e+13	NDD Unbiased	1.0905	1.0917	0.0012
325	1e+13	NDD Unbiased	1.0793	1.0785	-0.0008
326	0	Correlation	1.0889	1.0889	0
327	0	Correlation	1.0611	1.0611	0
328	0	Correlation	1.0541	1.0542	0.0001

NDD vs Post - Pre Exposure Delta

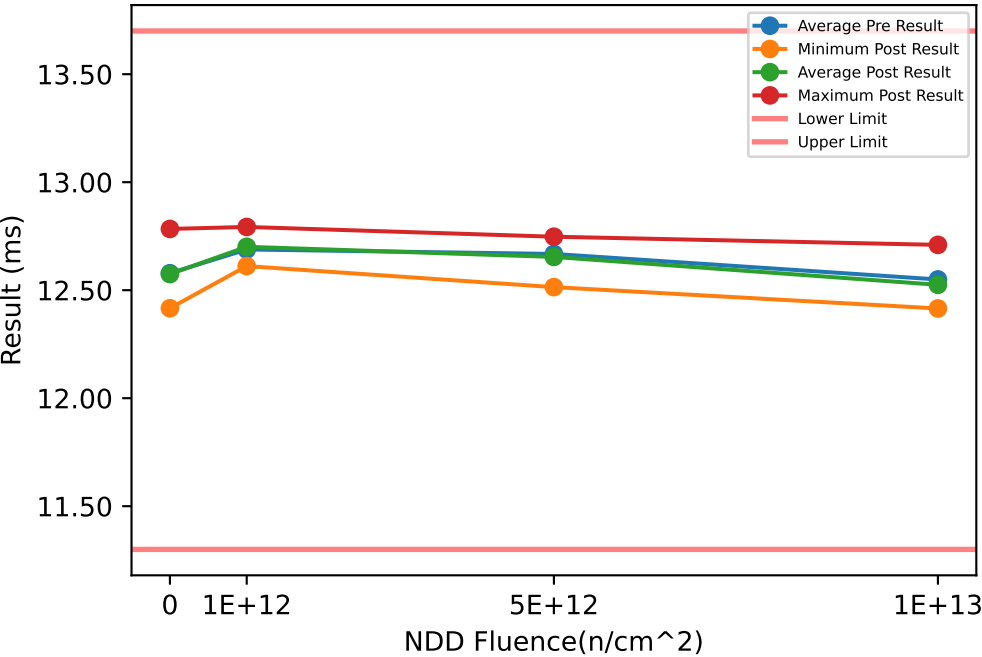


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0541	1.068	1.0889	0.018407	1.0542	1.0681	1.0889	0.018369	0	3.3333e-05	0.0001	5.7735e-05
1e+12	1.0717	1.0762	1.0805	0.0048021	1.0721	1.0766	1.0811	0.0051674	-0.0002	0.000425	0.0009	0.00046458
5e+12	1.0687	1.0757	1.0847	0.0080484	1.068	1.0754	1.0836	0.0079987	-0.0012	-0.00035	0.0005	0.00092556
1e+13	1.0544	1.0754	1.0905	0.015146	1.0516	1.0747	1.0917	0.016752	-0.0028	-0.000725	0.0012	0.0016399

Device Test: 5.66; DLY_TMR_500KOHM

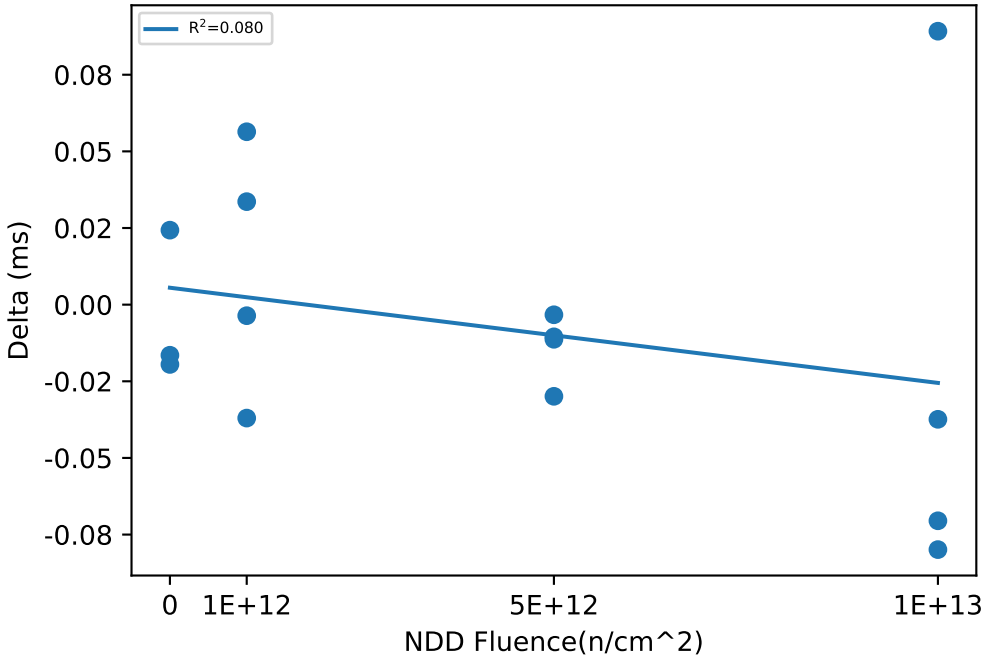
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.603	12.66	0.0564
314	1e+12	NDD Unbiased	12.743	12.74	-0.0036
315	1e+12	NDD Unbiased	12.578	12.612	0.0336
316	1e+12	NDD Unbiased	12.83	12.793	-0.037
317	5e+12	NDD Unbiased	12.518	12.514	-0.0033
318	5e+12	NDD Unbiased	12.718	12.707	-0.0105
320	5e+12	NDD Unbiased	12.777	12.748	-0.0299
321	5e+12	NDD Unbiased	12.659	12.647	-0.0113
322	1e+13	NDD Unbiased	12.544	12.507	-0.0374
323	1e+13	NDD Unbiased	12.486	12.415	-0.0705
324	1e+13	NDD Unbiased	12.621	12.71	0.0892
325	1e+13	NDD Unbiased	12.548	12.468	-0.0799
326	0	Correlation	12.541	12.524	-0.0165
327	0	Correlation	12.803	12.784	-0.0195
328	0	Correlation	12.392	12.416	0.0243

NDD vs Post - Pre Exposure Delta

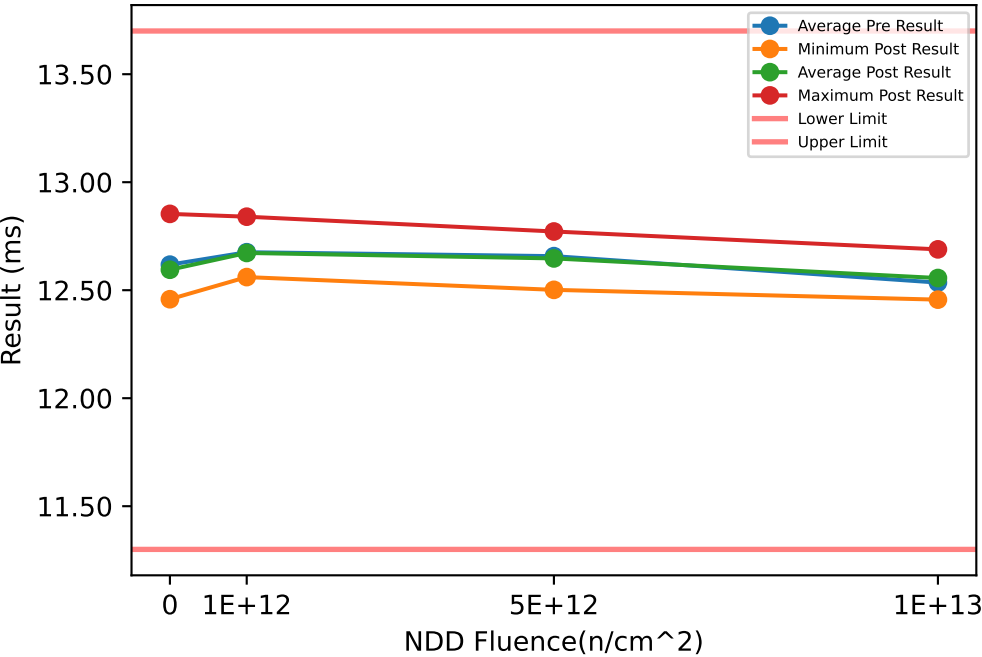


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.392	12.579	12.803	0.20816	12.416	12.575	12.784	0.1888	-0.0195	-0.0039	0.0243	0.024468
1e+12	12.578	12.689	12.83	0.11896	12.612	12.701	12.793	0.080893	-0.037	0.01235	0.0564	0.041157
5e+12	12.518	12.668	12.777	0.11137	12.514	12.654	12.748	0.10197	-0.0299	-0.01375	-0.0033	0.011352
1e+13	12.486	12.55	12.621	0.055204	12.415	12.525	12.71	0.12883	-0.0799	-0.02465	0.0892	0.078058

Device Test: 5.67; DLY_TMR_500KOHM

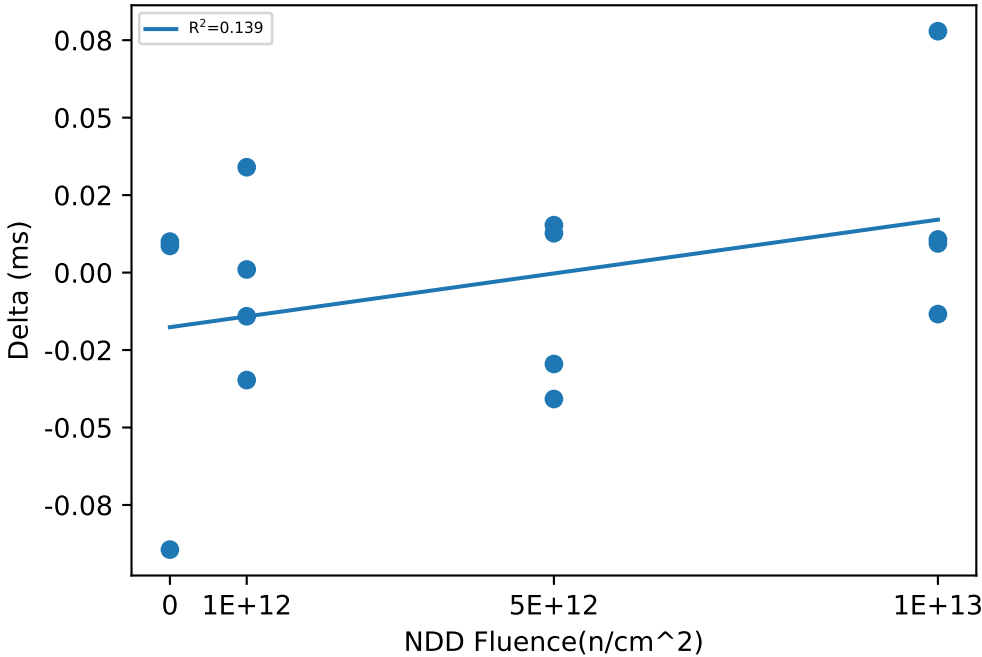
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.613	12.578	-0.0347
314	1e+12	NDD Unbiased	12.709	12.71	0.001
315	1e+12	NDD Unbiased	12.575	12.561	-0.0141
316	1e+12	NDD Unbiased	12.806	12.84	0.034
317	5e+12	NDD Unbiased	12.531	12.502	-0.0295
318	5e+12	NDD Unbiased	12.656	12.669	0.0127
320	5e+12	NDD Unbiased	12.813	12.772	-0.0408
321	5e+12	NDD Unbiased	12.631	12.646	0.0153
322	1e+13	NDD Unbiased	12.53	12.54	0.0107
323	1e+13	NDD Unbiased	12.447	12.456	0.0094
324	1e+13	NDD Unbiased	12.611	12.689	0.0779
325	1e+13	NDD Unbiased	12.553	12.54	-0.0134
326	0	Correlation	12.562	12.473	-0.0894
327	0	Correlation	12.845	12.853	0.0086
328	0	Correlation	12.448	12.458	0.01

NDD vs Post - Pre Exposure Delta

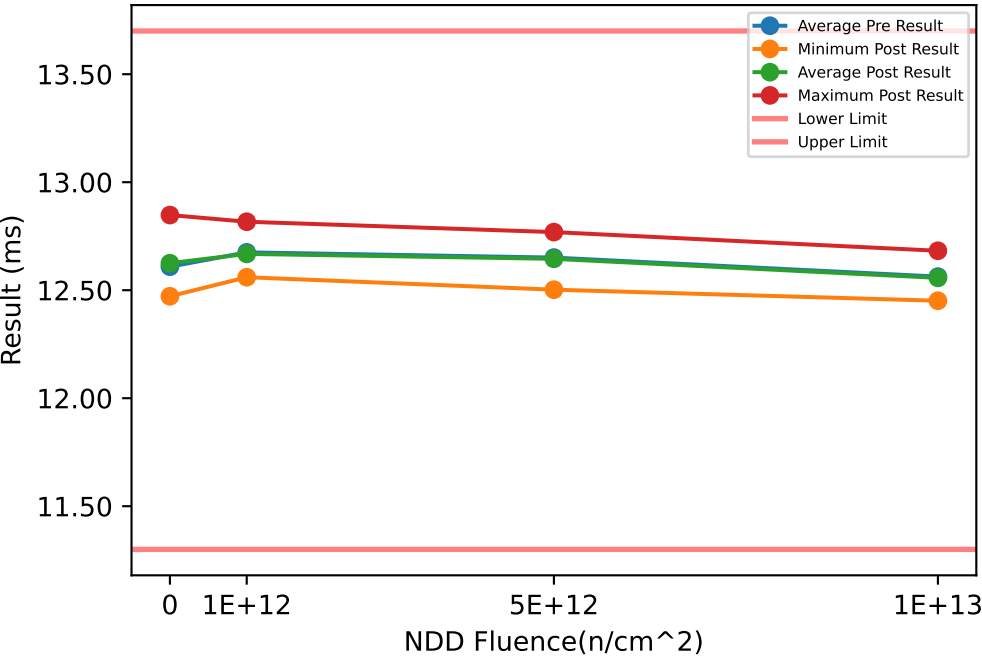


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.448	12.618	12.845	0.20416	12.458	12.595	12.853	0.22407	-0.0894	-0.0236	0.01	0.056989
1e+12	12.575	12.676	12.806	0.10373	12.561	12.672	12.84	0.1303	-0.0347	-0.00345	0.034	0.028938
5e+12	12.531	12.658	12.813	0.11654	12.502	12.647	12.772	0.11134	-0.0408	-0.010575	0.0153	0.028769
1e+13	12.447	12.535	12.611	0.068138	12.456	12.556	12.689	0.096892	-0.0134	0.02115	0.0779	0.039419

Device Test: 5.68; DLY_TMR_500KOHM

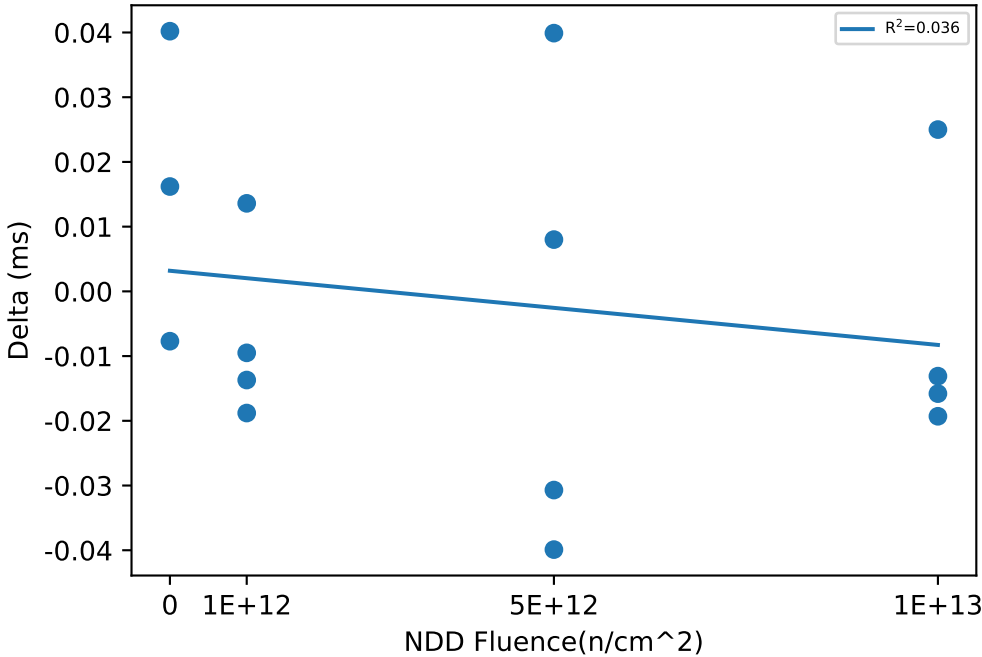
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.612	12.593	-0.0188
314	1e+12	NDD Unbiased	12.689	12.702	0.0136
315	1e+12	NDD Unbiased	12.574	12.56	-0.0137
316	1e+12	NDD Unbiased	12.826	12.817	-0.0095
317	5e+12	NDD Unbiased	12.533	12.502	-0.0307
318	5e+12	NDD Unbiased	12.626	12.666	0.0399
320	5e+12	NDD Unbiased	12.809	12.769	-0.0399
321	5e+12	NDD Unbiased	12.636	12.644	0.008
322	1e+13	NDD Unbiased	12.53	12.555	0.025
323	1e+13	NDD Unbiased	12.467	12.451	-0.0158
324	1e+13	NDD Unbiased	12.696	12.682	-0.0131
325	1e+13	NDD Unbiased	12.559	12.54	-0.0193
326	0	Correlation	12.563	12.556	-0.0077
327	0	Correlation	12.808	12.848	0.0402
328	0	Correlation	12.456	12.472	0.0162

NDD vs Post - Pre Exposure Delta

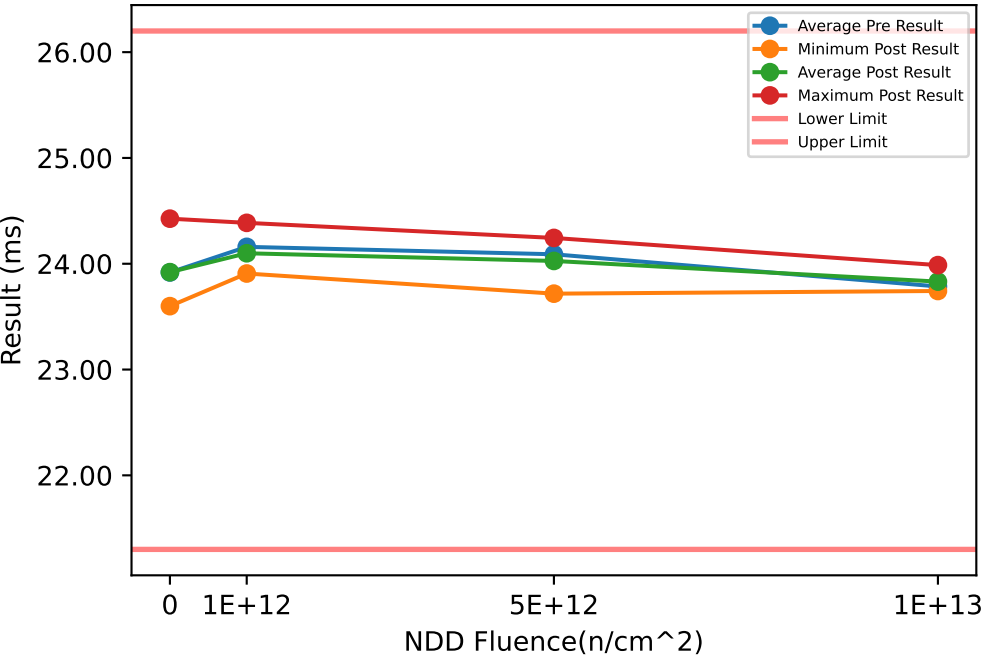


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.456	12.609	12.808	0.18042	12.472	12.625	12.848	0.19745	-0.0077	0.016233	0.0402	0.02395
1e+12	12.574	12.675	12.826	0.11163	12.56	12.668	12.817	0.11641	-0.0188	-0.0071	0.0136	0.014314
5e+12	12.533	12.651	12.809	0.11502	12.502	12.645	12.769	0.10975	-0.0399	-0.005675	0.0399	0.036795
1e+13	12.467	12.563	12.696	0.096444	12.451	12.557	12.682	0.095308	-0.0193	-0.0058	0.025	0.02069

Device Test: 5.69; DLY_TMR_1MOHM

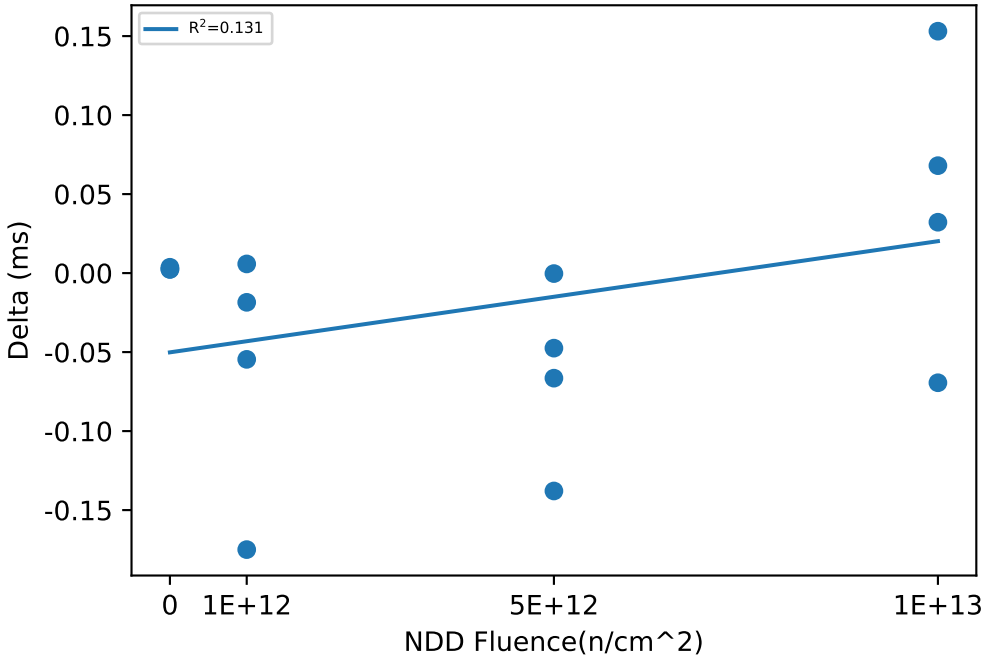
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.085	24.091	0.0058
314	1e+12	NDD Unbiased	24.186	24.012	-0.175
315	1e+12	NDD Unbiased	23.926	23.908	-0.0185
316	1e+12	NDD Unbiased	24.441	24.387	-0.0546
317	5e+12	NDD Unbiased	23.765	23.717	-0.0475
318	5e+12	NDD Unbiased	24.103	23.965	-0.1379
320	5e+12	NDD Unbiased	24.311	24.244	-0.0665
321	5e+12	NDD Unbiased	24.18	24.18	-0.0003
322	1e+13	NDD Unbiased	23.792	23.825	0.0322
323	1e+13	NDD Unbiased	23.589	23.742	0.1531
324	1e+13	NDD Unbiased	23.919	23.987	0.068
325	1e+13	NDD Unbiased	23.841	23.771	-0.0694
326	0	Correlation	23.733	23.736	0.0037
327	0	Correlation	24.424	24.426	0.0025
328	0	Correlation	23.597	23.599	0.0023

NDD vs Post - Pre Exposure Delta

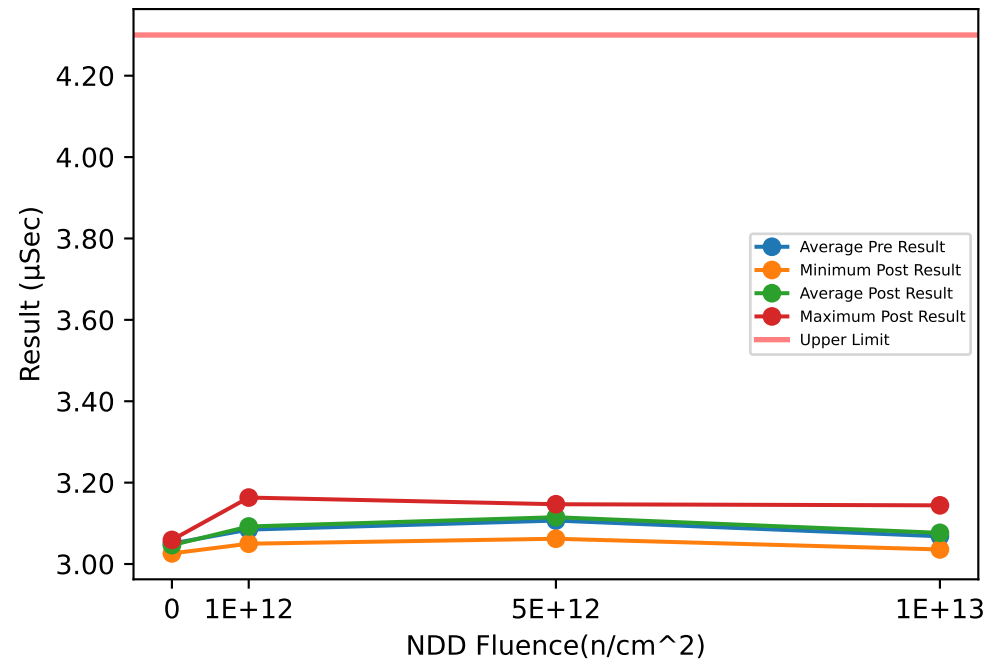


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.597	23.918	24.424	0.44334	23.599	23.921	24.426	0.44317	0.0023	0.0028333	0.0037	0.00075719
1e+12	23.926	24.16	24.441	0.2161	23.908	24.099	24.387	0.20578	-0.175	-0.060575	0.0058	0.080218
5e+12	23.765	24.09	24.311	0.23285	23.717	24.027	24.244	0.23818	-0.1379	-0.06305	-0.0003	0.057137
1e+13	23.589	23.785	23.919	0.1407	23.742	23.831	23.987	0.10927	-0.0694	0.045975	0.1531	0.092127

Device Test: 5.7; PROPD_RESET

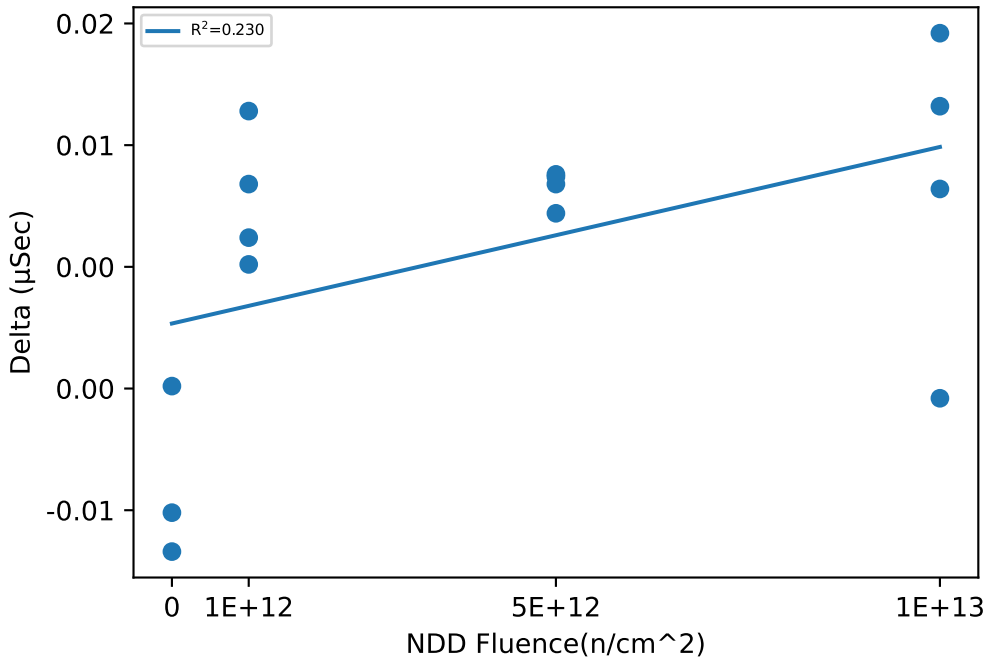
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.1582	3.1633	0.0051
314	1e+12	NDD Unbiased	3.0484	3.0598	0.0114
315	1e+12	NDD Unbiased	3.0415	3.0499	0.0084
316	1e+12	NDD Unbiased	3.0899	3.0961	0.0062
317	5e+12	NDD Unbiased	3.1397	3.1469	0.0072
318	5e+12	NDD Unbiased	3.1199	3.1287	0.0088
320	5e+12	NDD Unbiased	3.1137	3.1224	0.0087
321	5e+12	NDD Unbiased	3.0537	3.0621	0.0084
322	1e+13	NDD Unbiased	3.136	3.1442	0.0082
323	1e+13	NDD Unbiased	3.0486	3.0632	0.0146
324	1e+13	NDD Unbiased	3.0517	3.0633	0.0116
325	1e+13	NDD Unbiased	3.0362	3.0358	-0.0004
326	0	Correlation	3.0538	3.0539	0.0001
327	0	Correlation	3.0312	3.0261	-0.0051
328	0	Correlation	3.0659	3.0592	-0.0067

NDD vs Post - Pre Exposure Delta

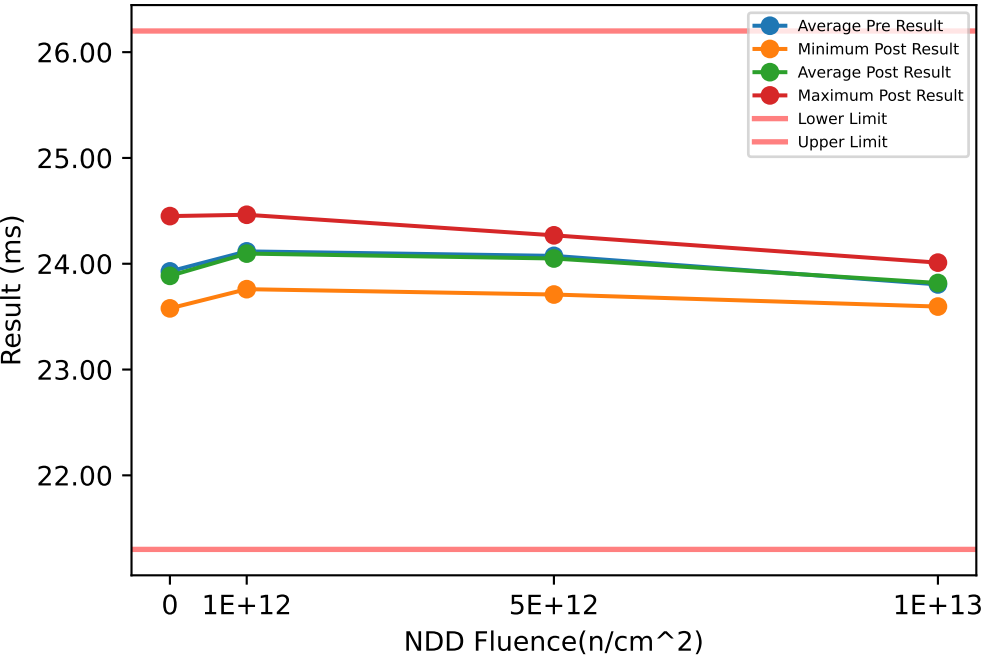


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0312	3.0503	3.0659	0.017613	3.0261	3.0464	3.0592	0.017779	-0.0067	-0.0039	0.0001	0.0035553
1e+12	3.0415	3.0845	3.1582	0.053582	3.0499	3.0923	3.1633	0.051347	0.0051	0.007775	0.0114	0.0027789
5e+12	3.0537	3.1067	3.1397	0.037064	3.0621	3.115	3.1469	0.036781	0.0072	0.008275	0.0088	0.00073655
1e+13	3.0362	3.0681	3.136	0.045743	3.0358	3.0766	3.1442	0.046872	-0.0004	0.0085	0.0146	0.0064838

Device Test: 5.70; DLY_TMR_1MOHM

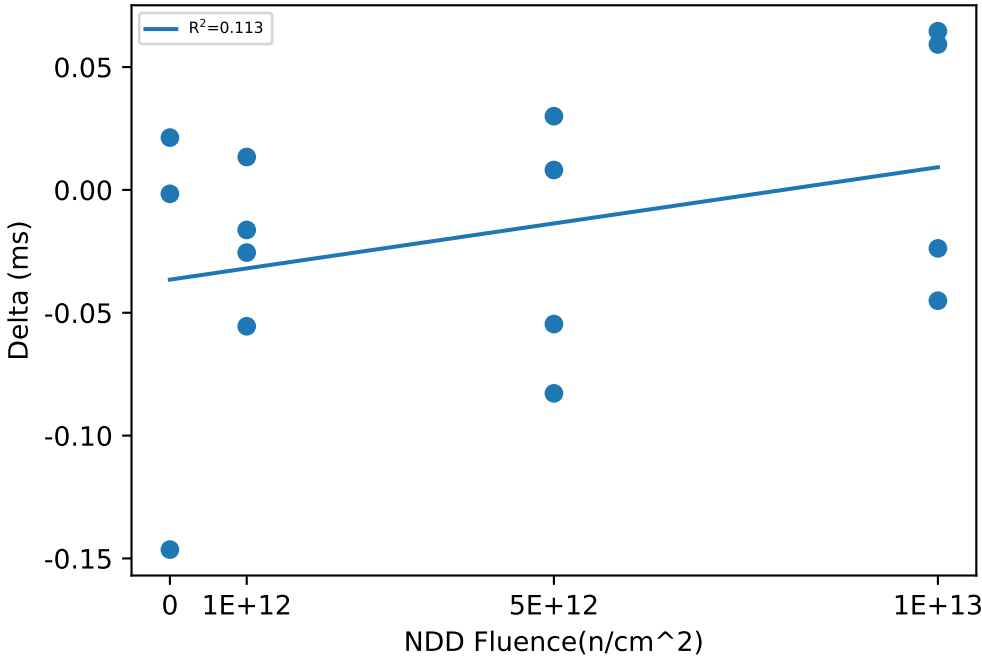
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.158	24.102	-0.0555
314	1e+12	NDD Unbiased	24.084	24.059	-0.0255
315	1e+12	NDD Unbiased	23.776	23.76	-0.0163
316	1e+12	NDD Unbiased	24.45	24.463	0.0134
317	5e+12	NDD Unbiased	23.792	23.709	-0.0828
318	5e+12	NDD Unbiased	23.974	24.004	0.03
320	5e+12	NDD Unbiased	24.323	24.269	-0.0546
321	5e+12	NDD Unbiased	24.209	24.217	0.0081
322	1e+13	NDD Unbiased	23.795	23.854	0.0592
323	1e+13	NDD Unbiased	23.619	23.595	-0.0238
324	1e+13	NDD Unbiased	23.946	24.011	0.0646
325	1e+13	NDD Unbiased	23.858	23.813	-0.0451
326	0	Correlation	23.58	23.578	-0.0016
327	0	Correlation	24.429	24.45	0.0213
328	0	Correlation	23.775	23.628	-0.1464

NDD vs Post - Pre Exposure Delta

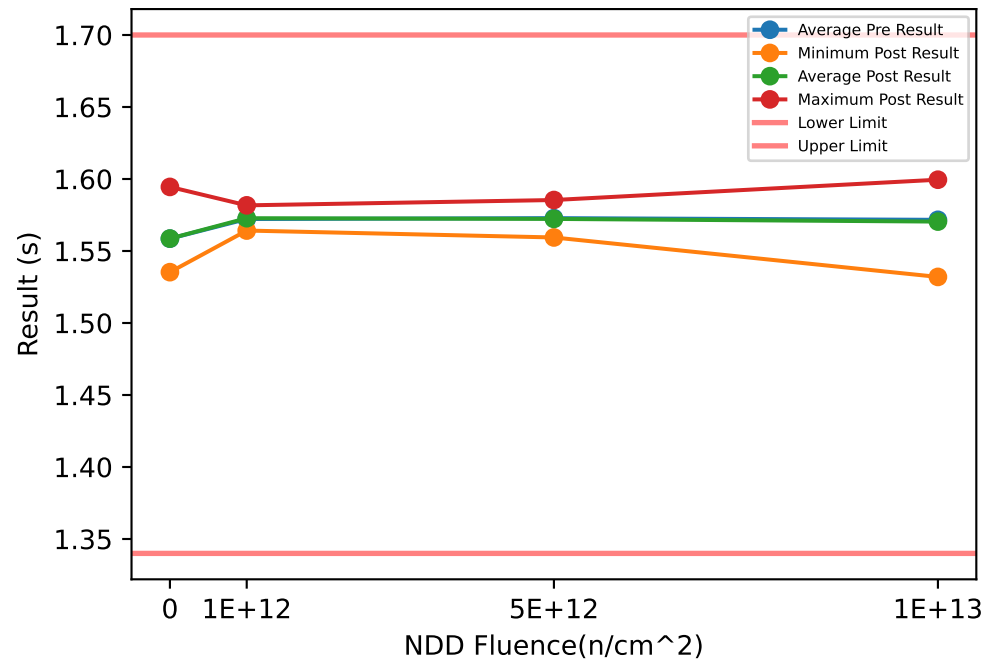


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.58	23.928	24.429	0.4449	23.578	23.886	24.45	0.48977	-0.1464	-0.042233	0.0213	0.090935
1e+12	23.776	24.117	24.45	0.27666	23.76	24.096	24.463	0.28821	-0.0555	-0.020975	0.0134	0.028378
5e+12	23.792	24.075	24.323	0.23801	23.709	24.05	24.269	0.25433	-0.0828	-0.024825	0.03	0.052718
1e+13	23.619	23.804	23.946	0.13828	23.595	23.818	24.011	0.17127	-0.0451	0.013725	0.0646	0.056346

Device Test: 5.71; WD_TMR_1MOHM

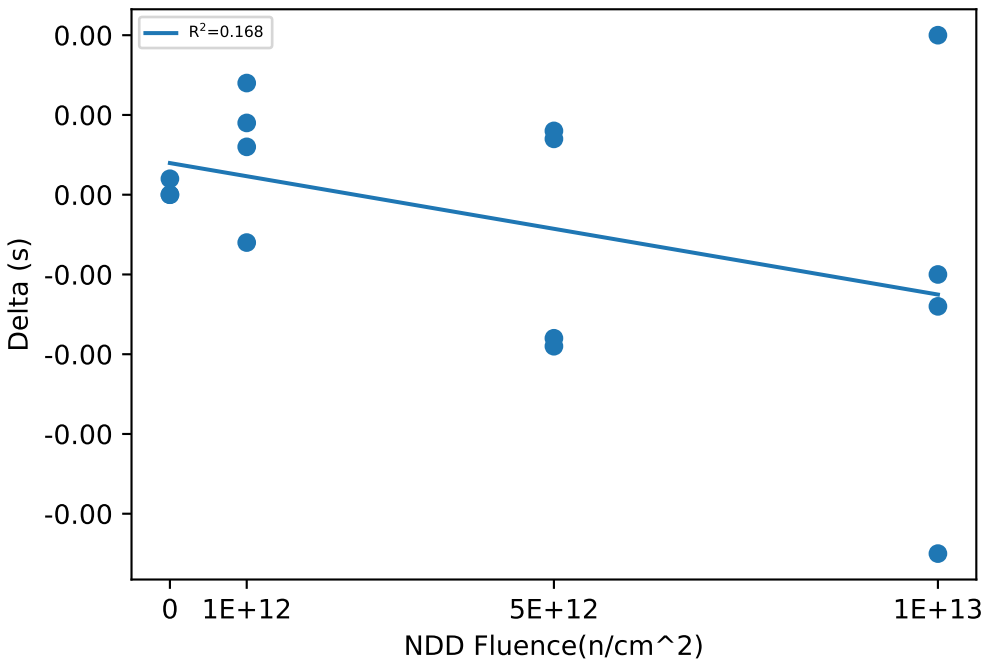
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.5808	1.5817	0.0009
314	1e+12	NDD Unbiased	1.5648	1.5642	-0.0006
315	1e+12	NDD Unbiased	1.5791	1.5805	0.0014
316	1e+12	NDD Unbiased	1.5641	1.5647	0.0006
317	5e+12	NDD Unbiased	1.5624	1.5631	0.0007
318	5e+12	NDD Unbiased	1.5872	1.5854	-0.0018
320	5e+12	NDD Unbiased	1.5613	1.5594	-0.0019
321	5e+12	NDD Unbiased	1.5804	1.5812	0.0008
322	1e+13	NDD Unbiased	1.5365	1.532	-0.0045
323	1e+13	NDD Unbiased	1.5738	1.5728	-0.001
324	1e+13	NDD Unbiased	1.5975	1.5995	0.002
325	1e+13	NDD Unbiased	1.5788	1.5774	-0.0014
326	0	Correlation	1.5945	1.5945	0
327	0	Correlation	1.5461	1.5461	0
328	0	Correlation	1.5351	1.5353	0.0002

NDD vs Post - Pre Exposure Delta

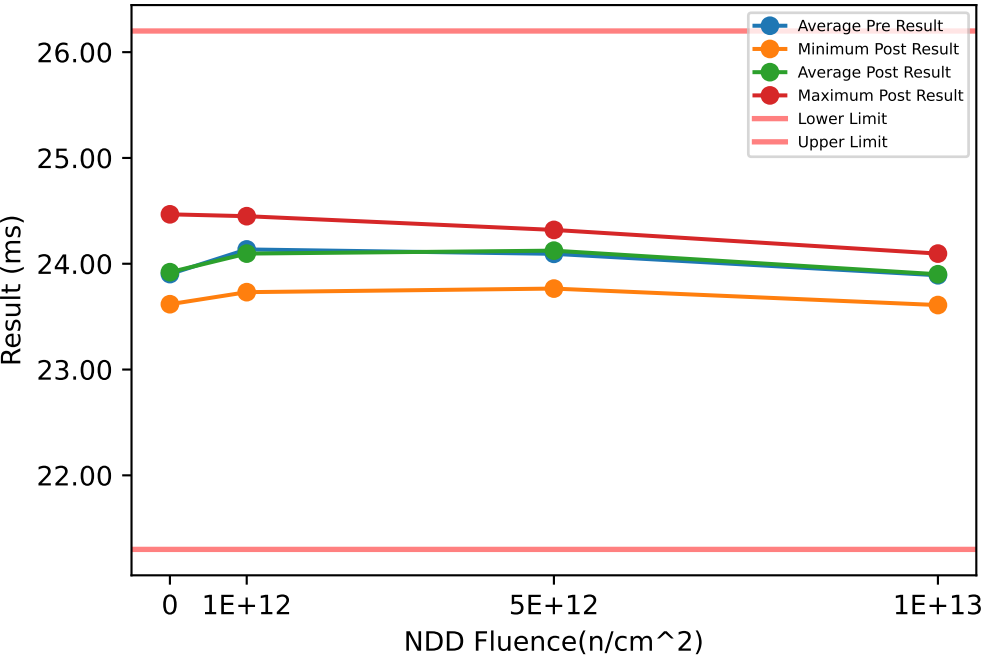


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5351	1.5586	1.5945	0.031601	1.5353	1.5586	1.5945	0.031527	0	6.6667e-05	0.0002	0.00011547
1e+12	1.5641	1.5722	1.5808	0.0089803	1.5642	1.5728	1.5817	0.0096275	-0.0006	0.000575	0.0014	0.00085
5e+12	1.5613	1.5728	1.5872	0.012981	1.5594	1.5723	1.5854	0.012934	-0.0019	-0.00055	0.0008	0.0015022
1e+13	1.5365	1.5716	1.5975	0.025557	1.532	1.5704	1.5995	0.028143	-0.0045	-0.001225	0.002	0.0026588

Device Test: 5.72; DLY_TMR_1MOHM

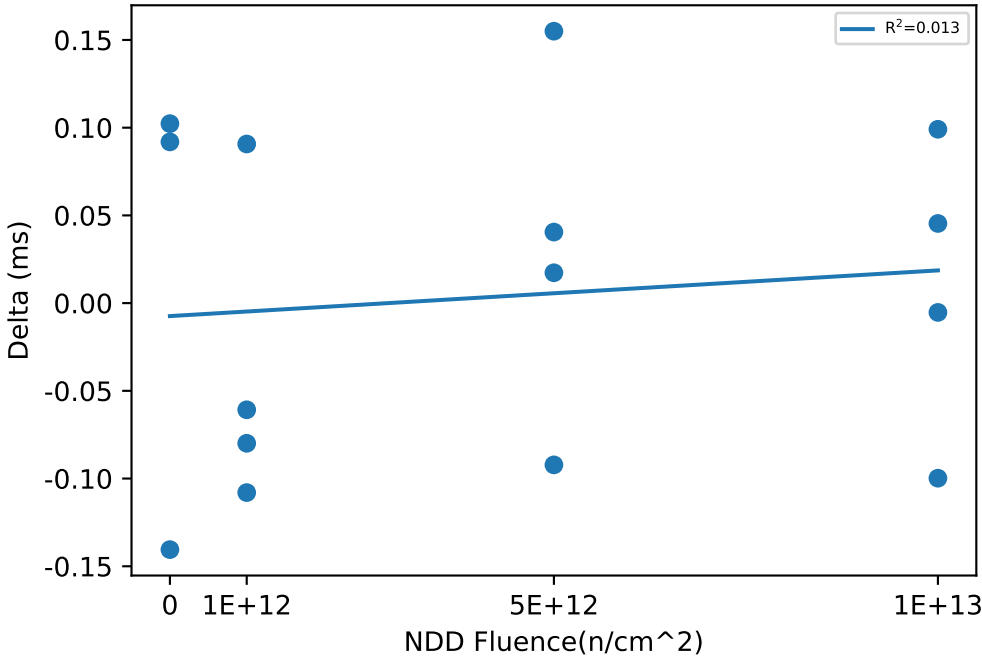
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.15	24.042	-0.108
314	1e+12	NDD Unbiased	24.07	24.161	0.0907
315	1e+12	NDD Unbiased	23.792	23.731	-0.0608
316	1e+12	NDD Unbiased	24.529	24.45	-0.0799
317	5e+12	NDD Unbiased	23.858	23.765	-0.0922
318	5e+12	NDD Unbiased	23.97	24.125	0.155
320	5e+12	NDD Unbiased	24.279	24.32	0.0405
321	5e+12	NDD Unbiased	24.268	24.285	0.0173
322	1e+13	NDD Unbiased	23.935	23.981	0.0454
323	1e+13	NDD Unbiased	23.709	23.61	-0.0998
324	1e+13	NDD Unbiased	23.997	24.096	0.0991
325	1e+13	NDD Unbiased	23.922	23.917	-0.0053
326	0	Correlation	23.584	23.676	0.0919
327	0	Correlation	24.365	24.467	0.1023
328	0	Correlation	23.758	23.617	-0.1405

NDD vs Post - Pre Exposure Delta

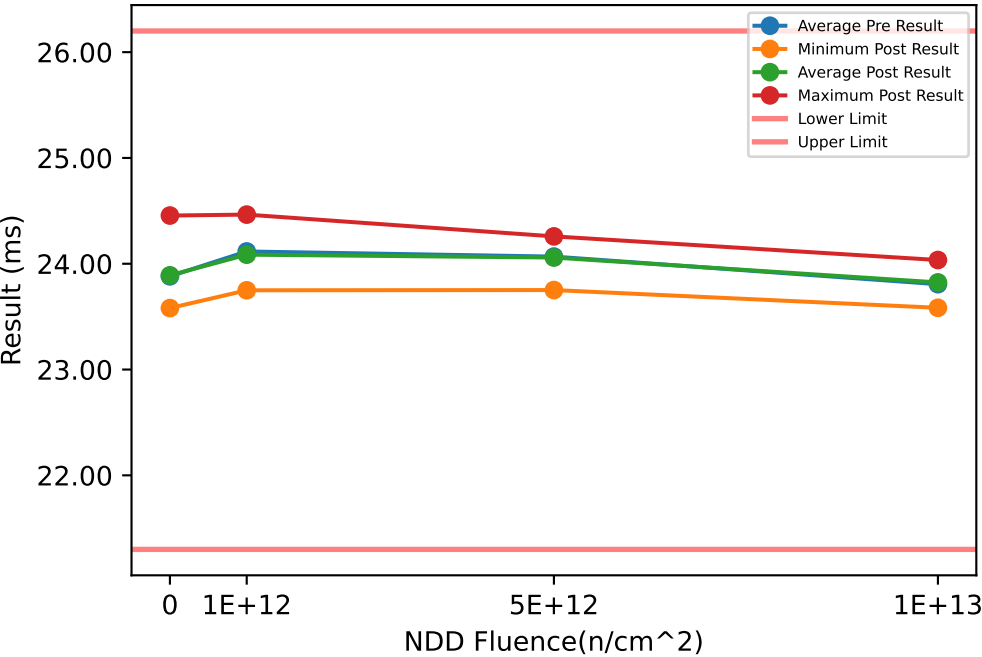


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.584	23.902	24.365	0.40996	23.617	23.92	24.467	0.47461	-0.1405	0.0179	0.1023	0.13728
1e+12	23.792	24.135	24.529	0.30414	23.731	24.096	24.45	0.29722	-0.108	-0.0395	0.0907	0.088938
5e+12	23.858	24.094	24.279	0.21274	23.765	24.124	24.32	0.25361	-0.0922	0.03015	0.155	0.10137
1e+13	23.709	23.891	23.997	0.12533	23.61	23.901	24.096	0.20779	-0.0998	0.00985	0.0991	0.084621

Device Test: 5.73; DLY_TMR_1MOHM

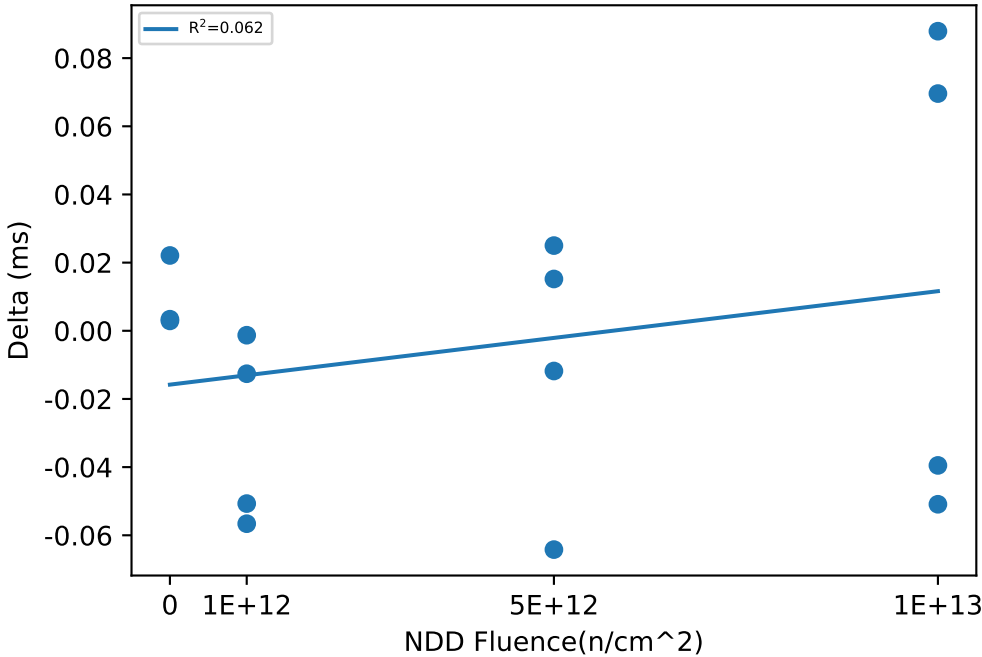
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.164	24.107	-0.0566
314	1e+12	NDD Unbiased	24.035	24.023	-0.0126
315	1e+12	NDD Unbiased	23.8	23.749	-0.0507
316	1e+12	NDD Unbiased	24.466	24.465	-0.0013
317	5e+12	NDD Unbiased	23.763	23.751	-0.0118
318	5e+12	NDD Unbiased	23.999	24.015	0.0152
320	5e+12	NDD Unbiased	24.323	24.259	-0.0642
321	5e+12	NDD Unbiased	24.185	24.21	0.025
322	1e+13	NDD Unbiased	23.789	23.859	0.0696
323	1e+13	NDD Unbiased	23.623	23.584	-0.0395
324	1e+13	NDD Unbiased	23.947	24.035	0.0879
325	1e+13	NDD Unbiased	23.867	23.817	-0.0509
326	0	Correlation	23.578	23.581	0.0034
327	0	Correlation	24.433	24.456	0.0221
328	0	Correlation	23.633	23.636	0.0029

NDD vs Post - Pre Exposure Delta

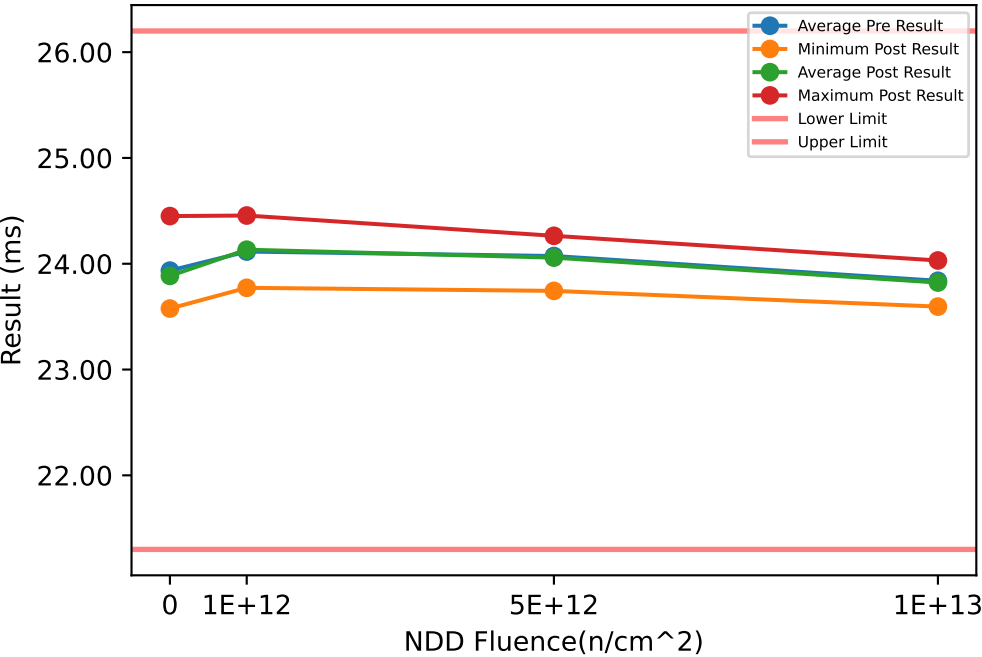


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.578	23.881	24.433	0.4791	23.581	23.891	24.456	0.49001	0.0029	0.0094667	0.0221	0.010944
1e+12	23.8	24.116	24.466	0.27759	23.749	24.086	24.465	0.2951	-0.0566	-0.0303	-0.0013	0.02746
5e+12	23.763	24.068	24.323	0.24244	23.751	24.059	24.259	0.23047	-0.0642	-0.00895	0.025	0.039985
1e+13	23.623	23.807	23.947	0.13845	23.584	23.824	24.035	0.18594	-0.0509	0.016775	0.0879	0.072102

Device Test: 5.74; DLY_TMR_1MOHM

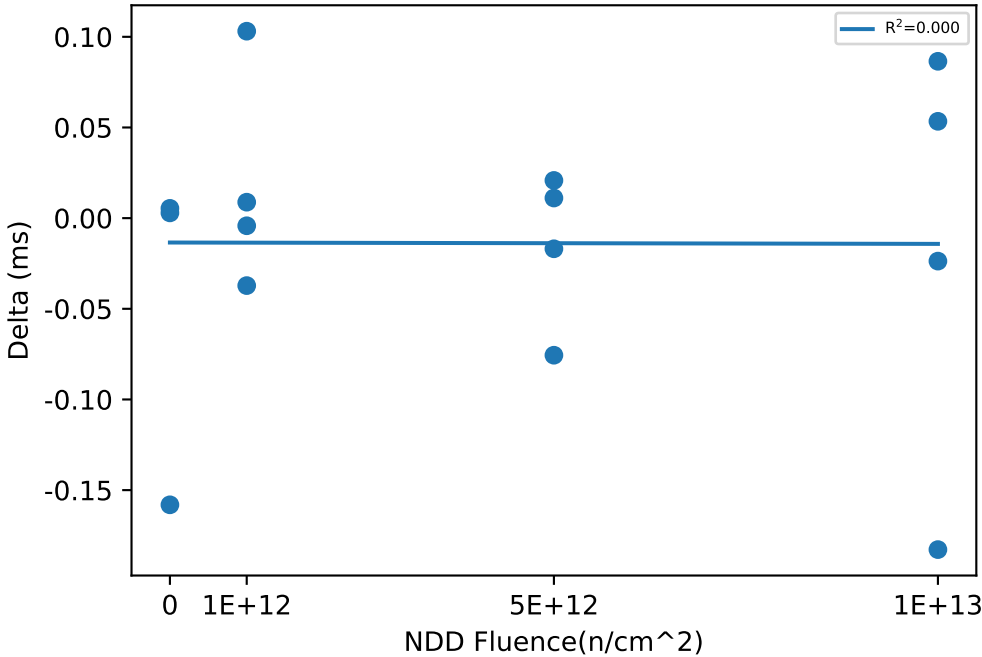
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.156	24.119	-0.0372
314	1e+12	NDD Unbiased	24.081	24.184	0.1031
315	1e+12	NDD Unbiased	23.764	23.773	0.0088
316	1e+12	NDD Unbiased	24.46	24.456	-0.0042
317	5e+12	NDD Unbiased	23.761	23.744	-0.0169
318	5e+12	NDD Unbiased	23.997	24.008	0.0111
320	5e+12	NDD Unbiased	24.34	24.264	-0.0756
321	5e+12	NDD Unbiased	24.196	24.216	0.0208
322	1e+13	NDD Unbiased	23.801	23.854	0.0534
323	1e+13	NDD Unbiased	23.778	23.595	-0.1828
324	1e+13	NDD Unbiased	23.944	24.031	0.0865
325	1e+13	NDD Unbiased	23.834	23.81	-0.0237
326	0	Correlation	23.571	23.577	0.0054
327	0	Correlation	24.448	24.451	0.0029
328	0	Correlation	23.787	23.629	-0.1581

NDD vs Post - Pre Exposure Delta

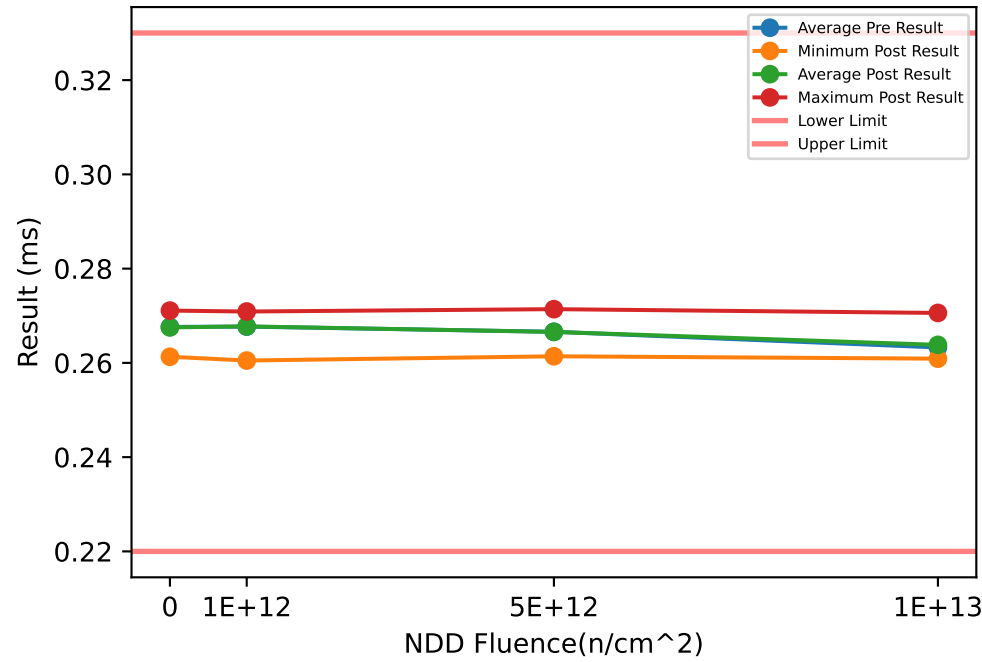


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.571	23.935	24.448	0.45673	23.577	23.885	24.451	0.49028	-0.1581	-0.049933	0.0054	0.093683
1e+12	23.764	24.115	24.46	0.28593	23.773	24.133	24.456	0.28106	-0.0372	0.017625	0.1031	0.060183
5e+12	23.761	24.073	24.34	0.25139	23.744	24.058	24.264	0.23727	-0.0756	-0.01515	0.0208	0.043354
1e+13	23.778	23.839	23.944	0.073788	23.595	23.822	24.031	0.17922	-0.1828	-0.01665	0.0865	0.12

Device Test: 5.75; DLY_TMR_10KOHM

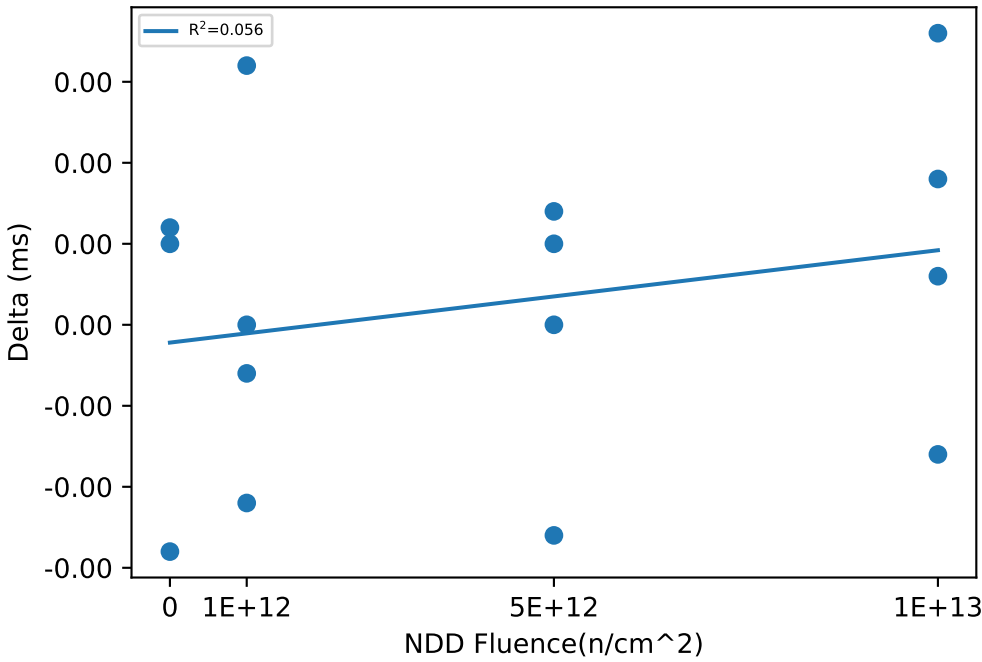
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2608	0.2605	-0.0003
314	1e+12	NDD Unbiased	0.272	0.2709	-0.0011
315	1e+12	NDD Unbiased	0.269	0.269	0
316	1e+12	NDD Unbiased	0.269	0.2706	0.0016
317	5e+12	NDD Unbiased	0.2627	0.2614	-0.0013
318	5e+12	NDD Unbiased	0.2709	0.2714	0.0005
320	5e+12	NDD Unbiased	0.2703	0.271	0.0007
321	5e+12	NDD Unbiased	0.2625	0.2625	0
322	1e+13	NDD Unbiased	0.2591	0.2609	0.0018
323	1e+13	NDD Unbiased	0.2621	0.2624	0.0003
324	1e+13	NDD Unbiased	0.2714	0.2706	-0.0008
325	1e+13	NDD Unbiased	0.2605	0.2614	0.0009
326	0	Correlation	0.2696	0.2702	0.0006
327	0	Correlation	0.2706	0.2711	0.0005
328	0	Correlation	0.2627	0.2613	-0.0014

NDD vs Post - Pre Exposure Delta

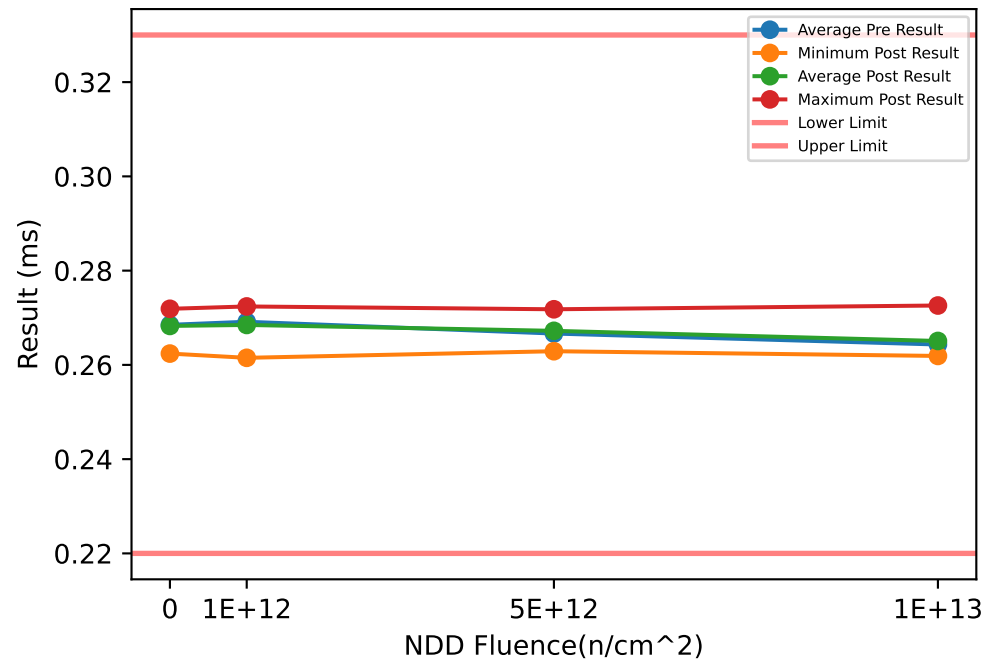


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2627	0.26763	0.2706	0.0043016	0.2613	0.26753	0.2711	0.0054169	-0.0014	-0.0001	0.0006	0.0011269
1e+12	0.2608	0.2677	0.272	0.0048125	0.2605	0.26775	0.2709	0.0049048	-0.0011	5e-05	0.0016	0.0011328
5e+12	0.2625	0.2666	0.2709	0.004626	0.2614	0.26658	0.2714	0.0053618	-0.0013	-2.5e-05	0.0007	0.00089954
1e+13	0.2591	0.26327	0.2714	0.0055536	0.2609	0.26383	0.2706	0.0045595	-0.0008	0.00055	0.0018	0.0010909

Device Test: 5.76; DLY_TMR_10KOHM

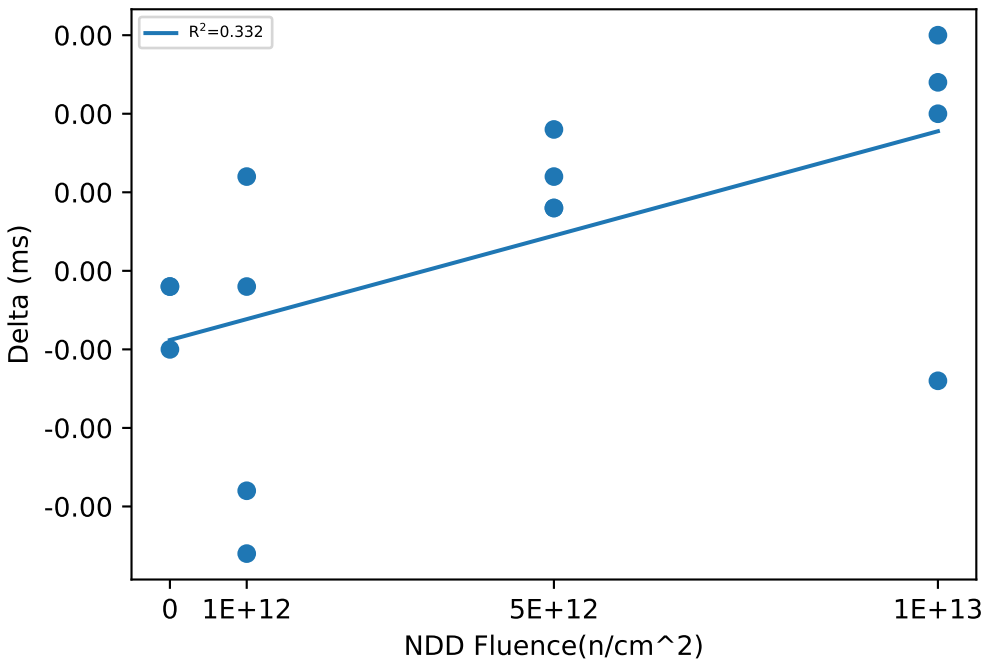
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2629	0.2615	-0.0014
314	1e+12	NDD Unbiased	0.2725	0.2724	-0.0001
315	1e+12	NDD Unbiased	0.2713	0.2695	-0.0018
316	1e+12	NDD Unbiased	0.2699	0.2705	0.0006
317	5e+12	NDD Unbiased	0.2623	0.2629	0.0006
318	5e+12	NDD Unbiased	0.2709	0.2718	0.0009
320	5e+12	NDD Unbiased	0.2706	0.271	0.0004
321	5e+12	NDD Unbiased	0.2628	0.2632	0.0004
322	1e+13	NDD Unbiased	0.2609	0.2619	0.001
323	1e+13	NDD Unbiased	0.2636	0.2629	-0.0007
324	1e+13	NDD Unbiased	0.2711	0.2726	0.0015
325	1e+13	NDD Unbiased	0.2617	0.2629	0.0012
326	0	Correlation	0.271	0.2705	-0.0005
327	0	Correlation	0.272	0.2719	-0.0001
328	0	Correlation	0.2625	0.2624	-0.0001

NDD vs Post - Pre Exposure Delta

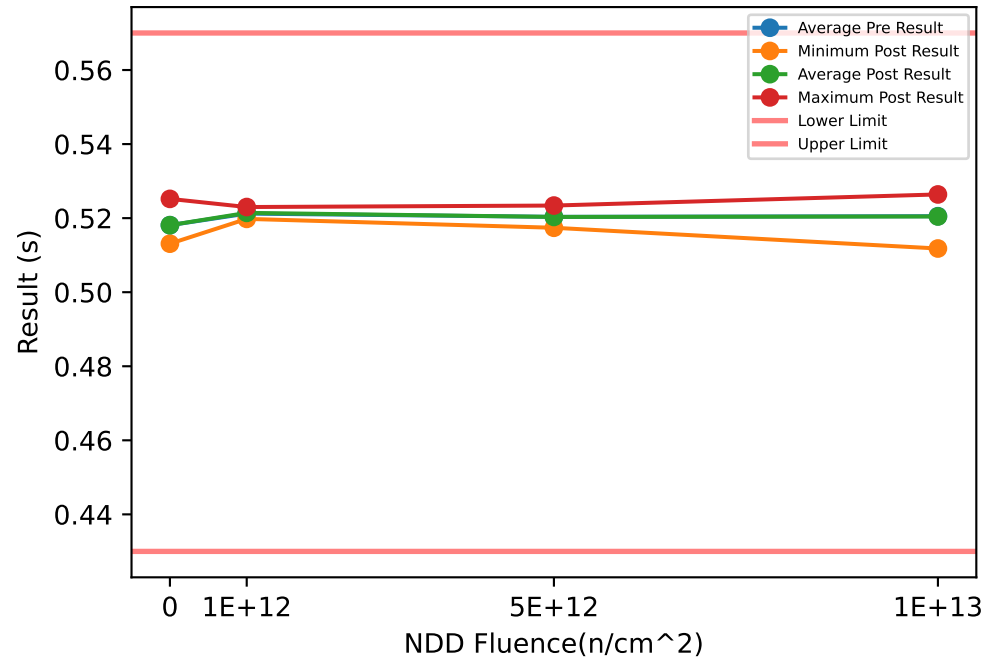


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2625	0.2685	0.272	0.0052202	0.2624	0.26827	0.2719	0.0051287	-0.0005	-0.00023333	-0.0001	0.00023094
1e+12	0.2629	0.26915	0.2725	0.0043	0.2615	0.26848	0.2724	0.004803	-0.0018	-0.000675	0.0006	0.0011177
5e+12	0.2623	0.26665	0.2709	0.0047403	0.2629	0.26722	0.2718	0.0048335	0.0004	0.000575	0.0009	0.00023629
1e+13	0.2609	0.26433	0.2711	0.0046564	0.2619	0.26508	0.2726	0.0050388	-0.0007	0.00075	0.0015	0.00098826

Device Test: 5.77; WD_TMR_10KOHM

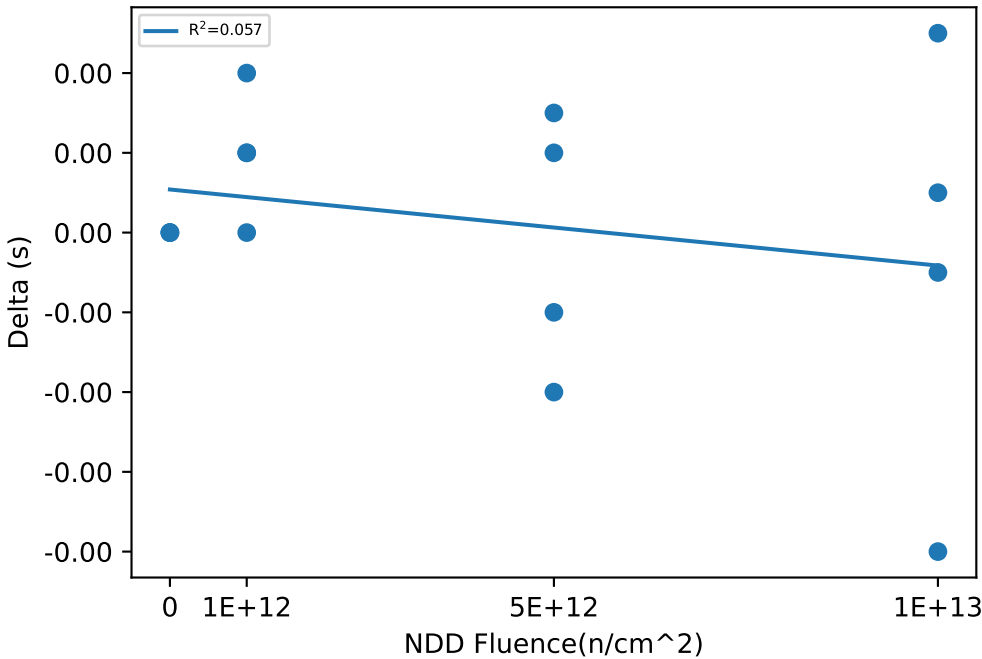
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.5223	0.5225	0.0002
314	1e+12	NDD Unbiased	0.5204	0.5204	0
315	1e+12	NDD Unbiased	0.5226	0.523	0.0004
316	1e+12	NDD Unbiased	0.5196	0.5198	0.0002
317	5e+12	NDD Unbiased	0.5172	0.5174	0.0002
318	5e+12	NDD Unbiased	0.5238	0.5234	-0.0004
320	5e+12	NDD Unbiased	0.5184	0.5182	-0.0002
321	5e+12	NDD Unbiased	0.522	0.5223	0.0003
322	1e+13	NDD Unbiased	0.5126	0.5118	-0.0008
323	1e+13	NDD Unbiased	0.5219	0.522	0.0001
324	1e+13	NDD Unbiased	0.5259	0.5264	0.0005
325	1e+13	NDD Unbiased	0.5217	0.5216	-0.0001
326	0	Correlation	0.5252	0.5252	0
327	0	Correlation	0.516	0.516	0
328	0	Correlation	0.5131	0.5131	0

NDD vs Post - Pre Exposure Delta

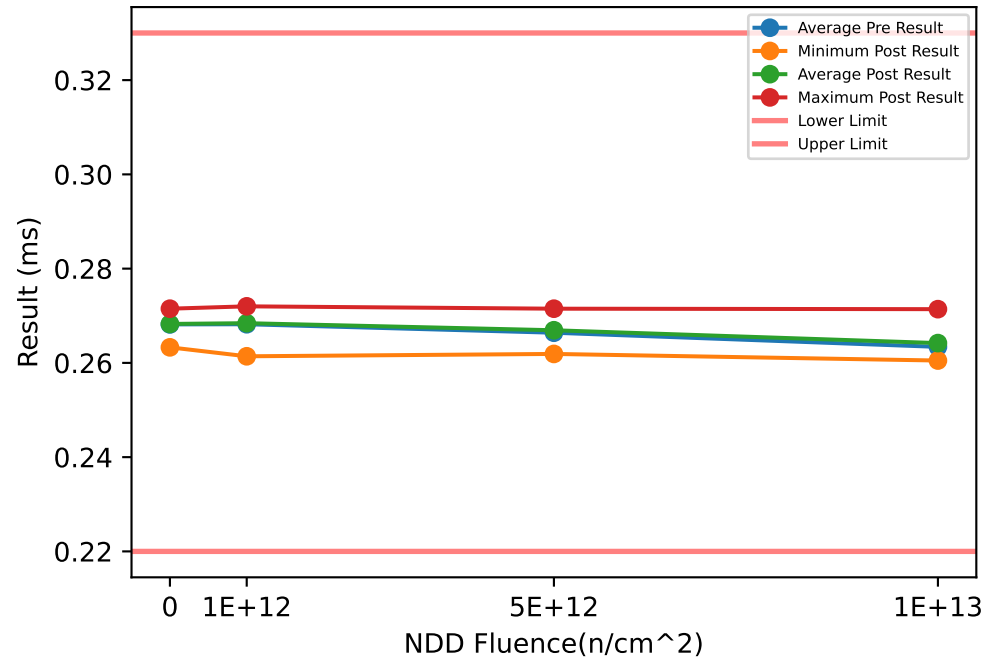


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5131	0.5181	0.5252	0.0063174	0.5131	0.5181	0.5252	0.0063174	0	0	0	0
1e+12	0.5196	0.52122	0.5226	0.0014569	0.5198	0.52143	0.523	0.0015628	0	0.0002	0.0004	0.0001633
5e+12	0.5172	0.52035	0.5238	0.0030741	0.5174	0.52032	0.5234	0.002968	-0.0004	-2.5e-05	0.0003	0.0003304
1e+13	0.5126	0.52053	0.5259	0.0056264	0.5118	0.52045	0.5264	0.0061631	-0.0008	-7.5e-05	0.0005	0.00054391

Device Test: 5.78; DLY_TMR_10KOHM

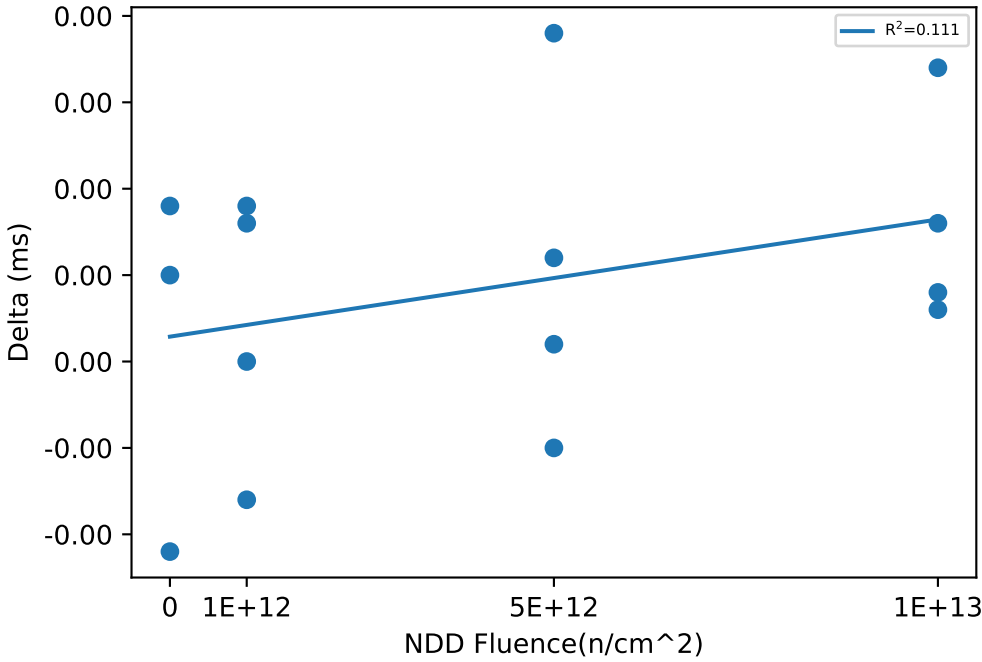
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2614	0.2614	0
314	1e+12	NDD Unbiased	0.2712	0.272	0.0008
315	1e+12	NDD Unbiased	0.2702	0.2694	-0.0008
316	1e+12	NDD Unbiased	0.27	0.2709	0.0009
317	5e+12	NDD Unbiased	0.2624	0.2619	-0.0005
318	5e+12	NDD Unbiased	0.2698	0.2704	0.0006
320	5e+12	NDD Unbiased	0.2714	0.2715	0.0001
321	5e+12	NDD Unbiased	0.262	0.2639	0.0019
322	1e+13	NDD Unbiased	0.2597	0.2605	0.0008
323	1e+13	NDD Unbiased	0.262	0.2637	0.0017
324	1e+13	NDD Unbiased	0.271	0.2714	0.0004
325	1e+13	NDD Unbiased	0.2609	0.2612	0.0003
326	0	Correlation	0.2711	0.27	-0.0011
327	0	Correlation	0.2706	0.2715	0.0009
328	0	Correlation	0.2628	0.2633	0.0005

NDD vs Post - Pre Exposure Delta

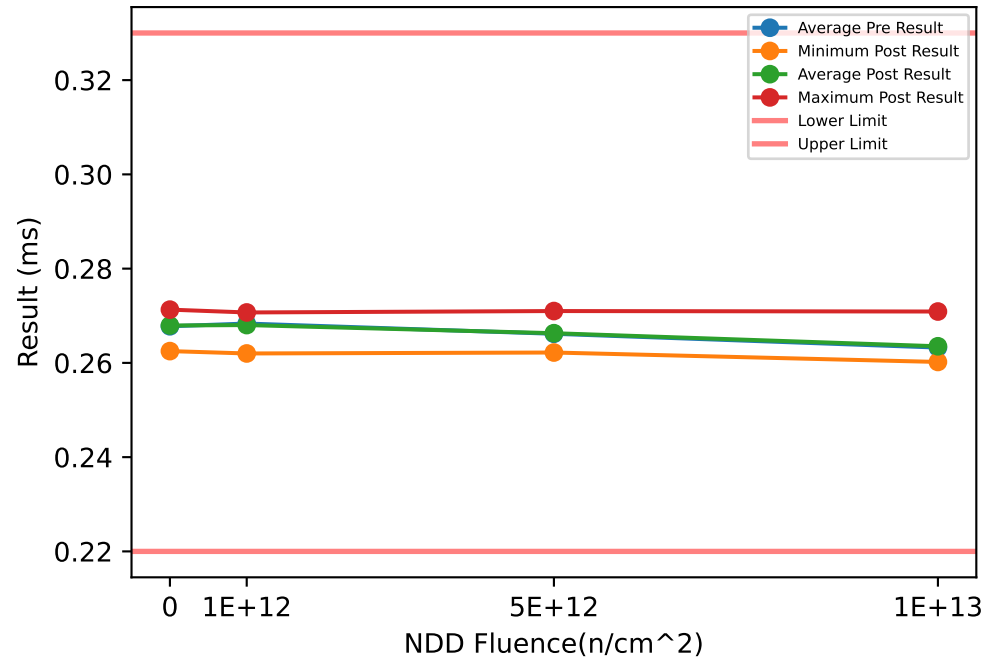


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2628	0.26817	0.2711	0.0046544	0.2633	0.26827	0.2715	0.0043662	-0.0011	0.0001	0.0009	0.0010583
1e+12	0.2614	0.2682	0.2712	0.0045636	0.2614	0.26843	0.272	0.004803	-0.0008	0.000225	0.0009	0.0007932
5e+12	0.262	0.2664	0.2714	0.0048963	0.2619	0.26693	0.2715	0.0047402	-0.0005	0.000525	0.0019	0.001021
1e+13	0.2597	0.2634	0.271	0.005153	0.2605	0.2642	0.2714	0.0049927	0.0003	0.0008	0.0017	0.0006377

Device Test: 5.79; DLY_TMR_10KOHM

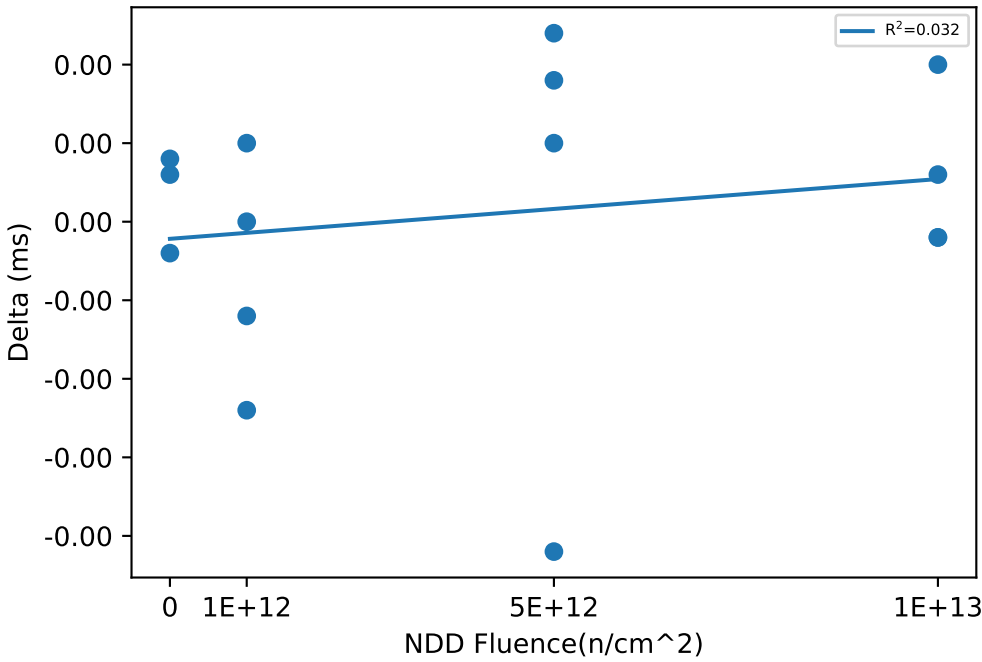
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.262	0.262	0
314	1e+12	NDD Unbiased	0.2713	0.2707	-0.0006
315	1e+12	NDD Unbiased	0.2694	0.2699	0.0005
316	1e+12	NDD Unbiased	0.2707	0.2695	-0.0012
317	5e+12	NDD Unbiased	0.261	0.2622	0.0012
318	5e+12	NDD Unbiased	0.2705	0.271	0.0005
320	5e+12	NDD Unbiased	0.2715	0.2694	-0.0021
321	5e+12	NDD Unbiased	0.2617	0.2626	0.0009
322	1e+13	NDD Unbiased	0.2596	0.2606	0.001
323	1e+13	NDD Unbiased	0.2621	0.2624	0.0003
324	1e+13	NDD Unbiased	0.271	0.2709	-0.0001
325	1e+13	NDD Unbiased	0.2603	0.2602	-0.0001
326	0	Correlation	0.2697	0.27	0.0003
327	0	Correlation	0.2709	0.2713	0.0004
328	0	Correlation	0.2627	0.2625	-0.0002

NDD vs Post - Pre Exposure Delta

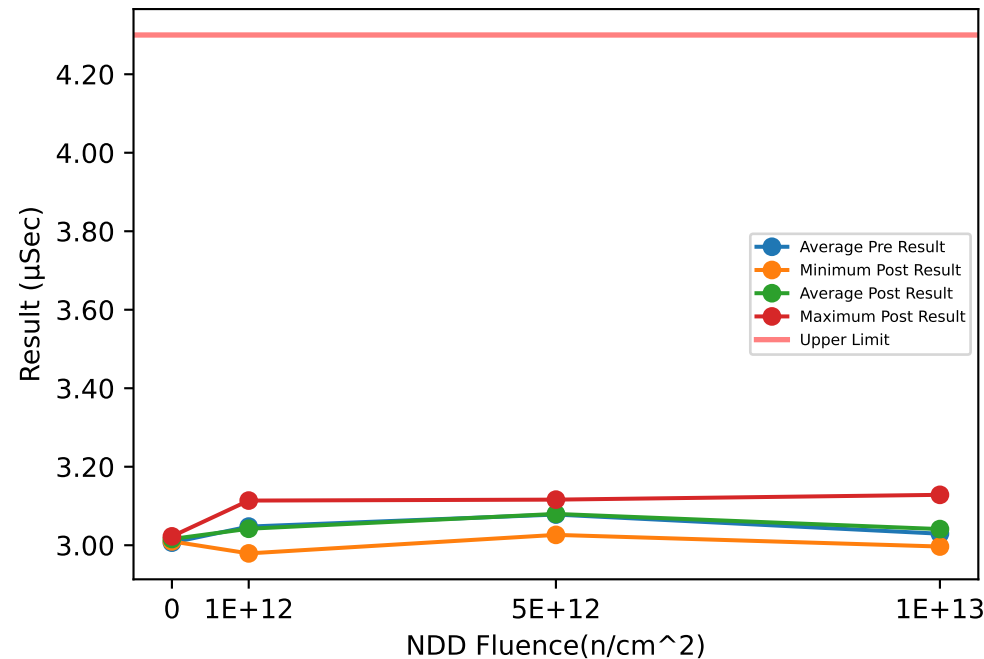


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2627	0.26777	0.2709	0.0044287	0.2625	0.26793	0.2713	0.0047501	-0.0002	0.00016667	0.0004	0.00032146
1e+12	0.262	0.26835	0.2713	0.004307	0.262	0.26803	0.2707	0.0040475	-0.0012	-0.000325	0.0005	0.00073655
5e+12	0.261	0.26617	0.2715	0.0055937	0.2622	0.2663	0.271	0.0045534	-0.0021	0.000125	0.0012	0.0015108
1e+13	0.2596	0.26325	0.271	0.0052729	0.2602	0.26353	0.2709	0.0050089	-0.0001	0.000275	0.001	0.00051881

Device Test: 5.8; PROPD_PWRGD

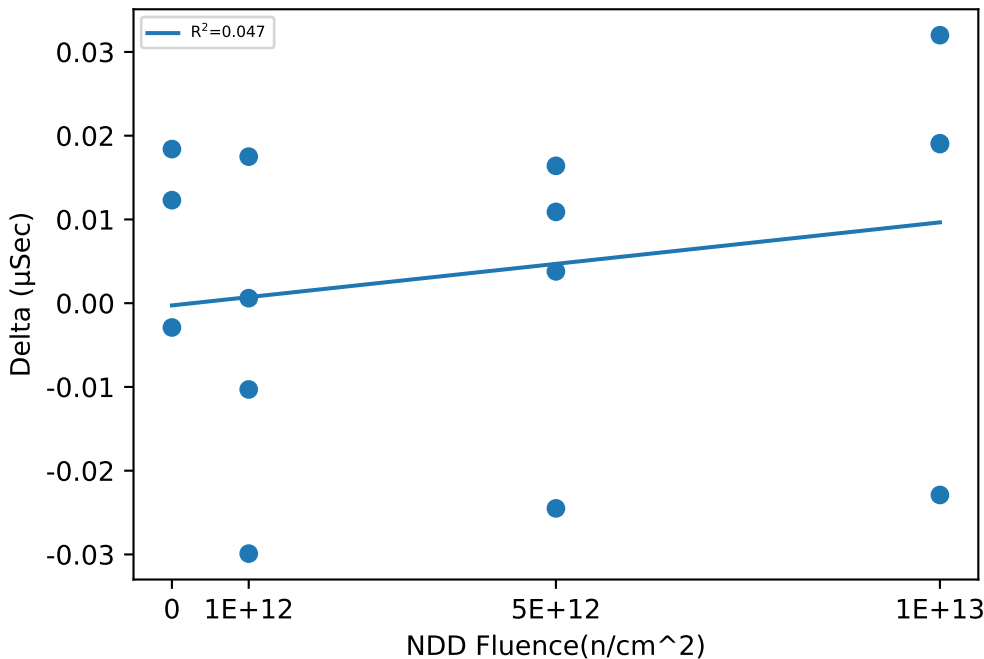
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.1437	3.1138	-0.0299
314	1e+12	NDD Unbiased	3.0214	3.022	0.0006
315	1e+12	NDD Unbiased	2.9895	2.9792	-0.0103
316	1e+12	NDD Unbiased	3.0355	3.053	0.0175
317	5e+12	NDD Unbiased	3.1407	3.1162	-0.0245
318	5e+12	NDD Unbiased	3.071	3.0874	0.0164
320	5e+12	NDD Unbiased	3.0784	3.0893	0.0109
321	5e+12	NDD Unbiased	3.0226	3.0264	0.0038
322	1e+13	NDD Unbiased	3.0964	3.1284	0.032
323	1e+13	NDD Unbiased	2.997	3.016	0.019
324	1e+13	NDD Unbiased	3.0196	2.9967	-0.0229
325	1e+13	NDD Unbiased	3.0044	3.0235	0.0191
326	0	Correlation	3.0127	3.0098	-0.0029
327	0	Correlation	2.9968	3.0152	0.0184
328	0	Correlation	3.0103	3.0226	0.0123

NDD vs Post - Pre Exposure Delta

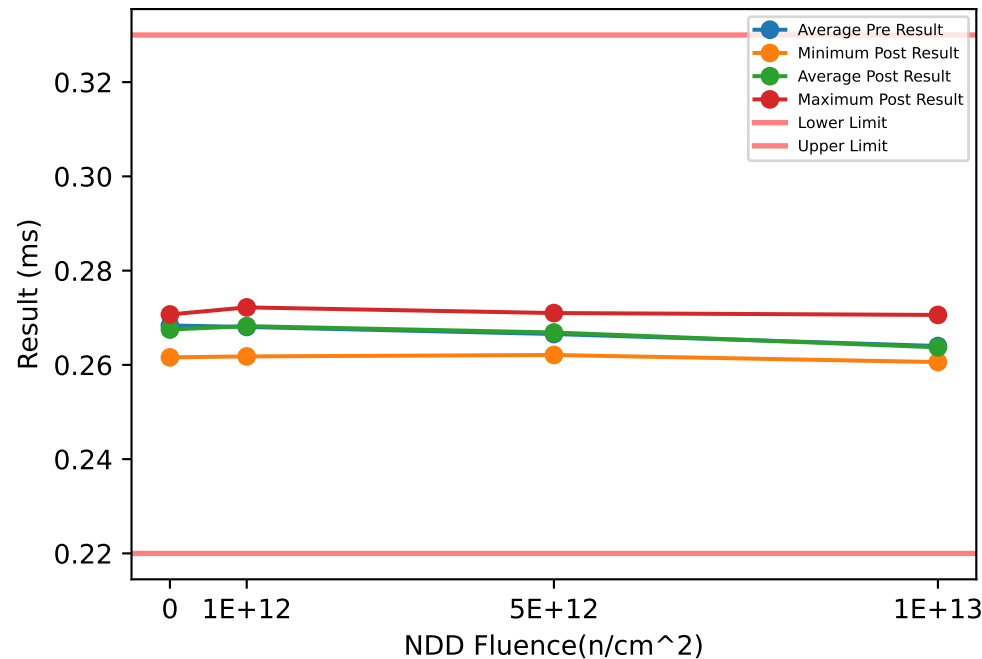


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9968	3.0066	3.0127	0.0085715	3.0098	3.0159	3.0226	0.006426	-0.0029	0.0092667	0.0184	0.010969
1e+12	2.9895	3.0475	3.1437	0.066942	2.9792	3.042	3.1138	0.056628	-0.0299	-0.005525	0.0175	0.019871
5e+12	3.0226	3.0782	3.1407	0.048475	3.0264	3.0798	3.1162	0.037967	-0.0245	0.00165	0.0164	0.01818
1e+13	2.997	3.0293	3.0964	0.045679	2.9967	3.0412	3.1284	0.059252	-0.0229	0.0118	0.032	0.023925

Device Test: 5.80; DLY_TMR_10KOHM

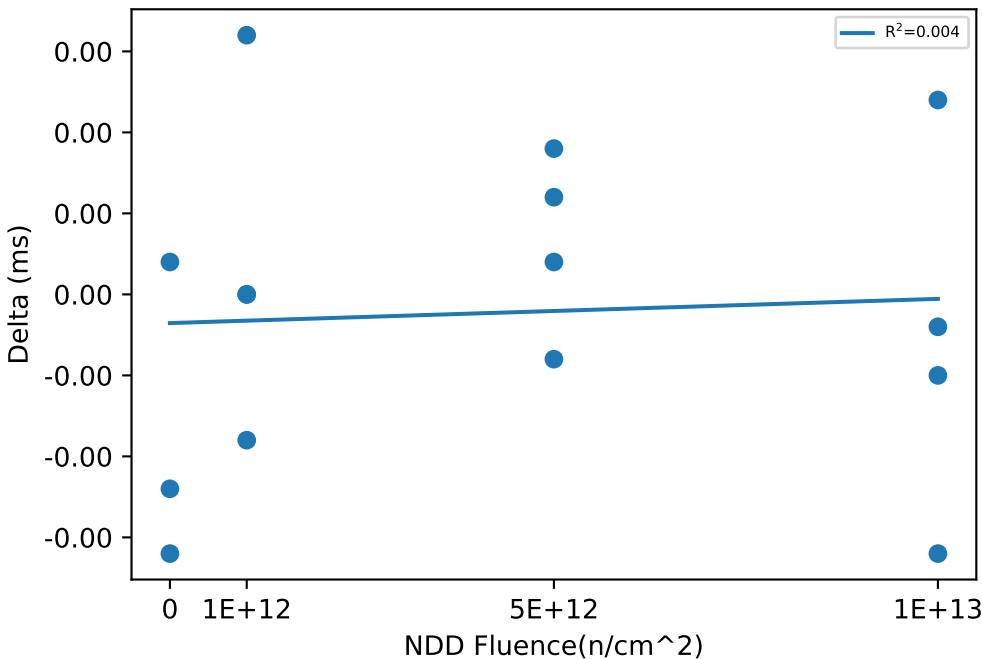
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2618	0.2618	0
314	1e+12	NDD Unbiased	0.2706	0.2722	0.0016
315	1e+12	NDD Unbiased	0.2698	0.2698	0
316	1e+12	NDD Unbiased	0.27	0.2691	-0.0009
317	5e+12	NDD Unbiased	0.2619	0.2621	0.0002
318	5e+12	NDD Unbiased	0.2701	0.271	0.0009
320	5e+12	NDD Unbiased	0.2714	0.271	-0.0004
321	5e+12	NDD Unbiased	0.2628	0.2634	0.0006
322	1e+13	NDD Unbiased	0.2595	0.2607	0.0012
323	1e+13	NDD Unbiased	0.2632	0.263	-0.0002
324	1e+13	NDD Unbiased	0.2711	0.2706	-0.0005
325	1e+13	NDD Unbiased	0.2622	0.2606	-0.0016
326	0	Correlation	0.2705	0.2707	0.0002
327	0	Correlation	0.2714	0.2702	-0.0012
328	0	Correlation	0.2632	0.2616	-0.0016

NDD vs Post - Pre Exposure Delta

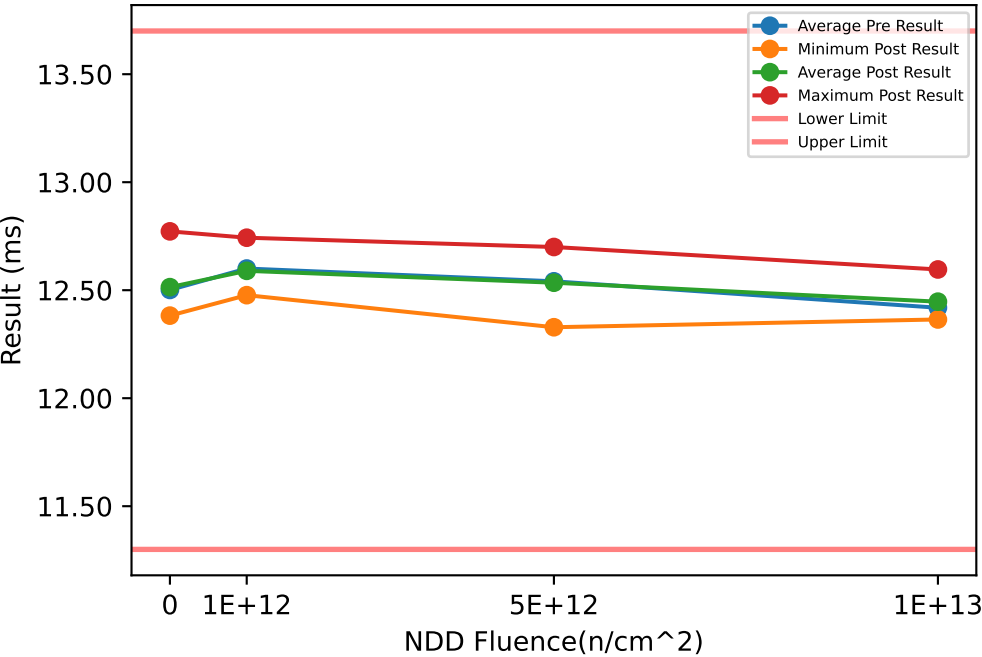


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2632	0.26837	0.2714	0.004497	0.2616	0.2675	0.2707	0.0051157	-0.0016	-0.00086667	0.0002	0.00094516
1e+12	0.2618	0.26805	0.2706	0.0041805	0.2618	0.26822	0.2722	0.0044843	-0.0009	0.000175	0.0016	0.0010404
5e+12	0.2619	0.26655	0.2714	0.0048925	0.2621	0.26688	0.271	0.0047926	-0.0004	0.000325	0.0009	0.00056199
1e+13	0.2595	0.264	0.2711	0.0049846	0.2606	0.26372	0.2706	0.0047155	-0.0016	-0.000275	0.0012	0.0011529

Device Test: 5.81; DLY_TMR_500KOHM

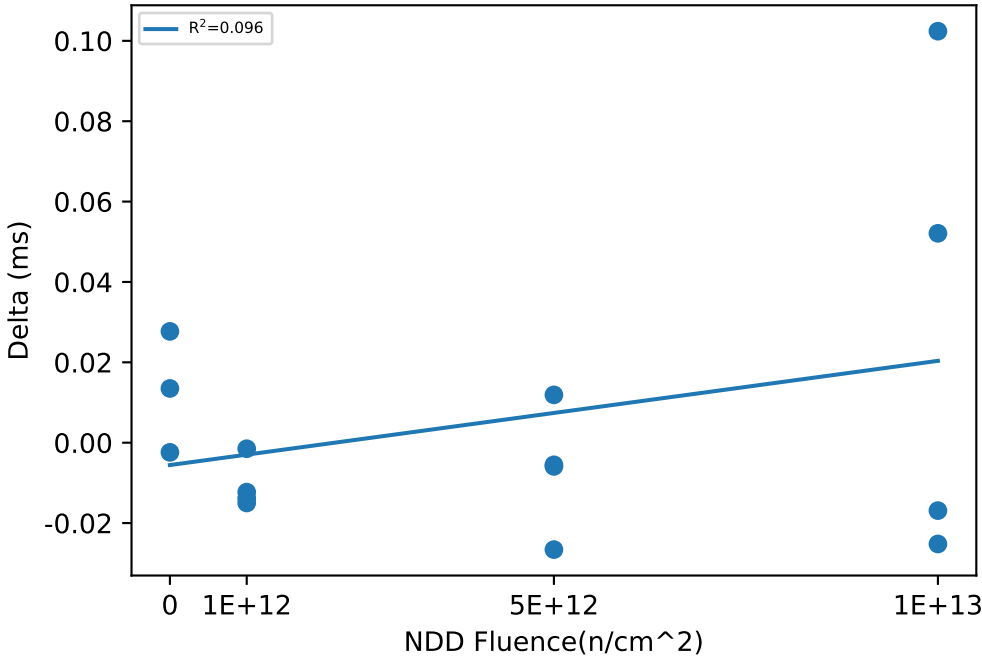
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.527	12.514	-0.0123
314	1e+12	NDD Unbiased	12.626	12.624	-0.0015
315	1e+12	NDD Unbiased	12.492	12.477	-0.015
316	1e+12	NDD Unbiased	12.757	12.743	-0.0138
317	5e+12	NDD Unbiased	12.355	12.329	-0.0266
318	5e+12	NDD Unbiased	12.569	12.581	0.0119
320	5e+12	NDD Unbiased	12.706	12.7	-0.0059
321	5e+12	NDD Unbiased	12.535	12.529	-0.0055
322	1e+13	NDD Unbiased	12.358	12.46	0.1024
323	1e+13	NDD Unbiased	12.39	12.364	-0.0252
324	1e+13	NDD Unbiased	12.544	12.596	0.0521
325	1e+13	NDD Unbiased	12.383	12.367	-0.0169
326	0	Correlation	12.369	12.382	0.0135
327	0	Correlation	12.775	12.772	-0.0024
328	0	Correlation	12.36	12.388	0.0277

NDD vs Post - Pre Exposure Delta

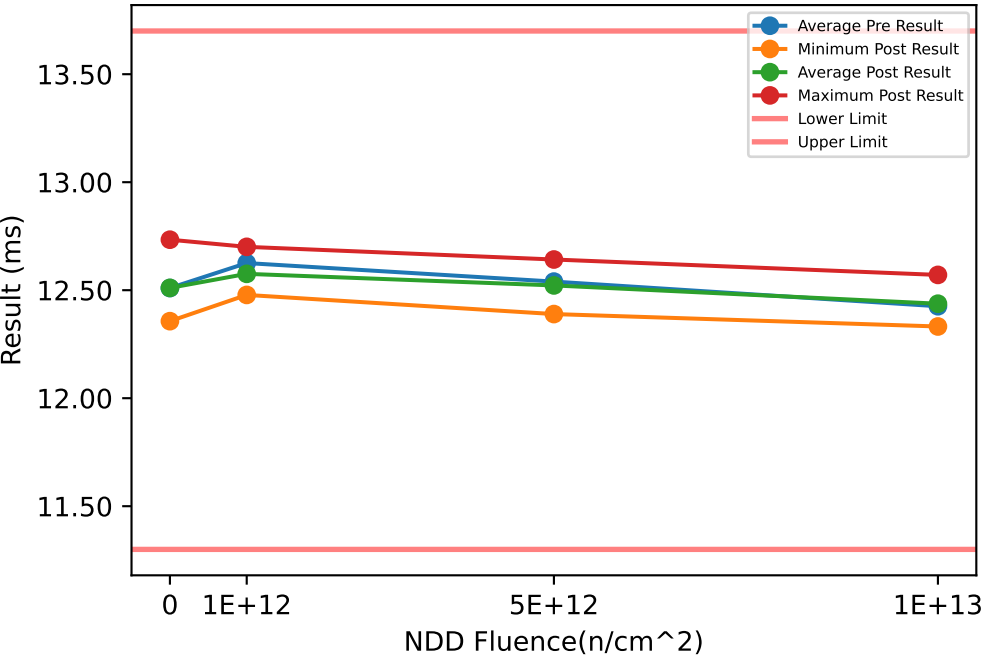


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.36	12.501	12.775	0.23699	12.382	12.514	12.772	0.22368	-0.0024	0.012933	0.0277	0.015058
1e+12	12.492	12.6	12.757	0.11878	12.477	12.59	12.743	0.11987	-0.015	-0.01065	-0.0015	0.0061992
5e+12	12.355	12.541	12.706	0.14443	12.329	12.535	12.7	0.15494	-0.0266	-0.006525	0.0119	0.015747
1e+13	12.358	12.419	12.544	0.084527	12.364	12.447	12.596	0.10904	-0.0252	0.0281	0.1024	0.060449

Device Test: 5.82; DLY_TMR_500KOHM

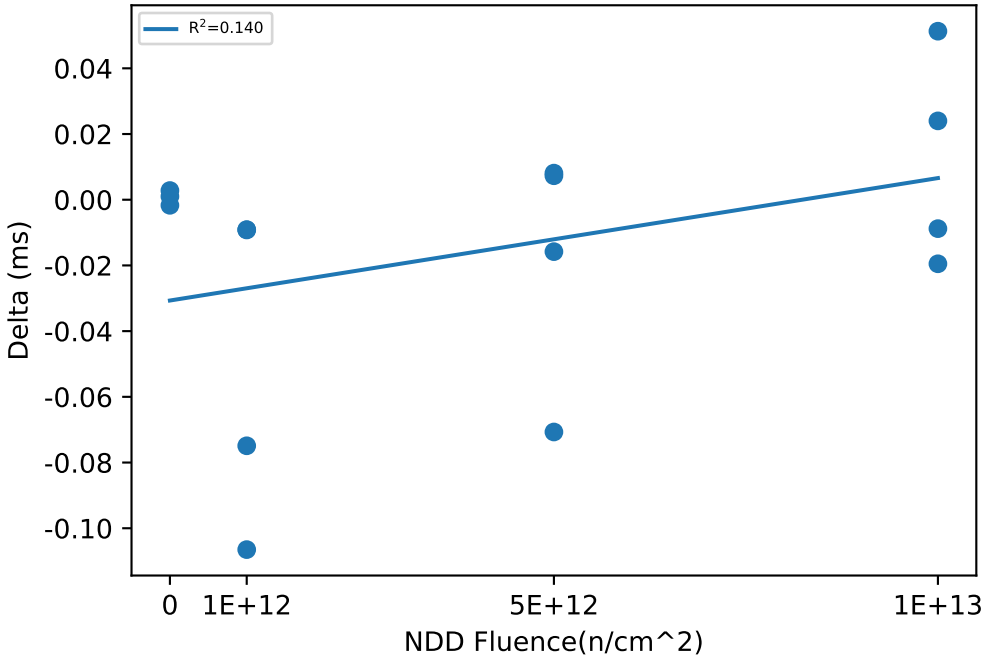
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.585	12.478	-0.1065
314	1e+12	NDD Unbiased	12.661	12.586	-0.0749
315	1e+12	NDD Unbiased	12.547	12.538	-0.0091
316	1e+12	NDD Unbiased	12.71	12.701	-0.0092
317	5e+12	NDD Unbiased	12.382	12.389	0.0073
318	5e+12	NDD Unbiased	12.604	12.533	-0.0707
320	5e+12	NDD Unbiased	12.658	12.642	-0.0158
321	5e+12	NDD Unbiased	12.516	12.524	0.0081
322	1e+13	NDD Unbiased	12.417	12.441	0.024
323	1e+13	NDD Unbiased	12.351	12.332	-0.0195
324	1e+13	NDD Unbiased	12.52	12.571	0.0513
325	1e+13	NDD Unbiased	12.415	12.406	-0.0088
326	0	Correlation	12.441	12.442	0.001
327	0	Correlation	12.736	12.734	-0.0017
328	0	Correlation	12.354	12.357	0.0028

NDD vs Post - Pre Exposure Delta

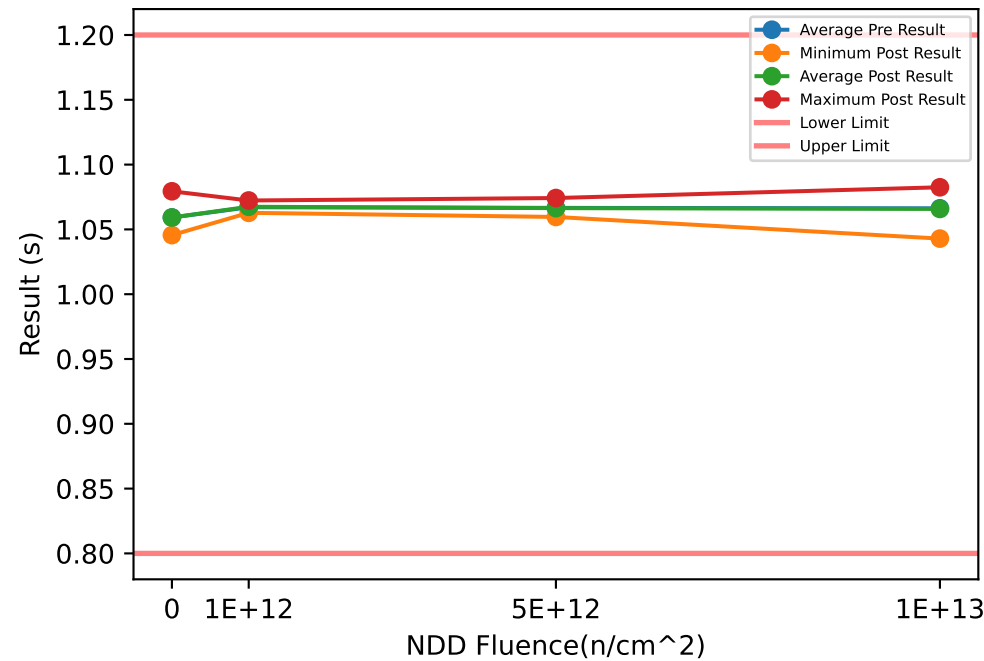


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.354	12.51	12.736	0.20008	12.357	12.511	12.734	0.19786	-0.0017	0.0007	0.0028	0.002265
1e+12	12.547	12.626	12.71	0.073579	12.478	12.576	12.701	0.094335	-0.1065	-0.049925	-0.0091	0.048818
5e+12	12.382	12.54	12.658	0.12035	12.389	12.522	12.642	0.10345	-0.0707	-0.017775	0.0081	0.036983
1e+13	12.351	12.426	12.52	0.069518	12.332	12.437	12.571	0.099876	-0.0195	0.01175	0.0513	0.032214

Device Test: 5.83; WD_TMR_500KOHM

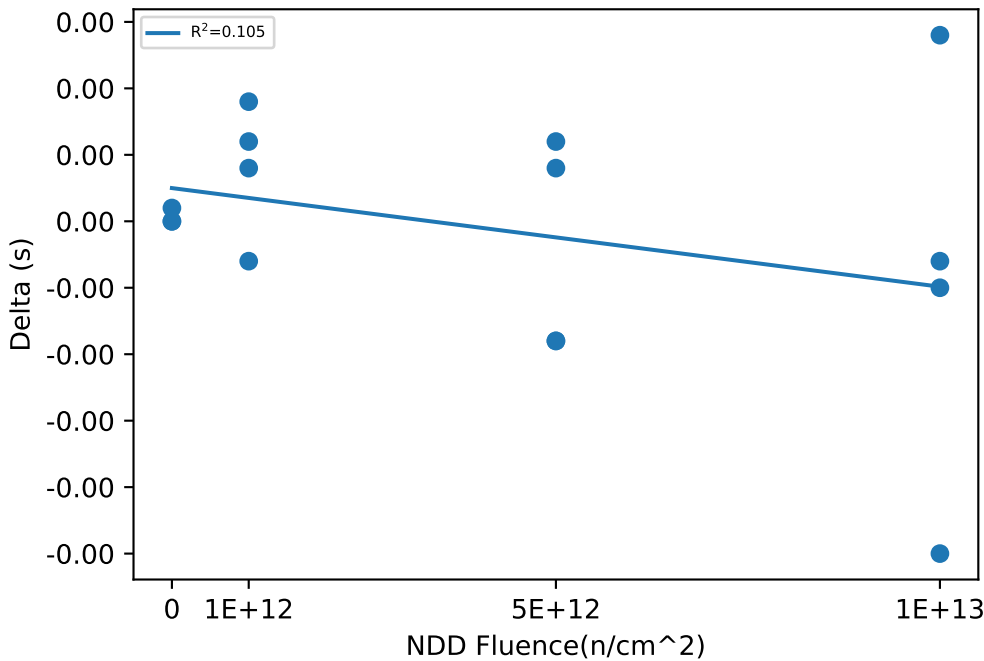
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.0717	1.0723	0.0006
314	1e+12	NDD Unbiased	1.0632	1.0629	-0.0003
315	1e+12	NDD Unbiased	1.071	1.0719	0.0009
316	1e+12	NDD Unbiased	1.0624	1.0628	0.0004
317	5e+12	NDD Unbiased	1.0598	1.0602	0.0004
318	5e+12	NDD Unbiased	1.0751	1.0742	-0.0009
320	5e+12	NDD Unbiased	1.0605	1.0596	-0.0009
321	5e+12	NDD Unbiased	1.071	1.0716	0.0006
322	1e+13	NDD Unbiased	1.0454	1.0429	-0.0025
323	1e+13	NDD Unbiased	1.0685	1.0682	-0.0003
324	1e+13	NDD Unbiased	1.0811	1.0825	0.0014
325	1e+13	NDD Unbiased	1.0701	1.0696	-0.0005
326	0	Correlation	1.0794	1.0794	0
327	0	Correlation	1.0526	1.0526	0
328	0	Correlation	1.0455	1.0456	0.0001

NDD vs Post - Pre Exposure Delta

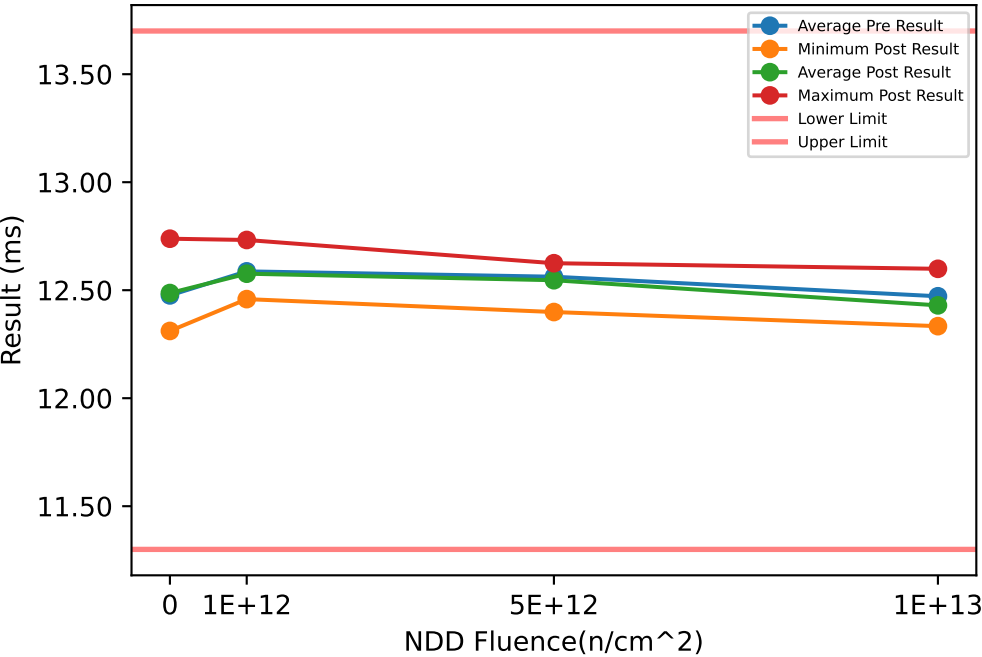


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0455	1.0592	1.0794	0.017879	1.0456	1.0592	1.0794	0.01784	0	3.3333e-05	0.0001	5.7735e-05
1e+12	1.0624	1.0671	1.0717	0.0049554	1.0628	1.0675	1.0723	0.0053431	-0.0003	0.0004	0.0009	0.0005099
5e+12	1.0598	1.0666	1.0751	0.0076389	1.0596	1.0664	1.0742	0.0075842	-0.0009	-0.0002	0.0006	0.0008124
1e+13	1.0454	1.0663	1.0811	0.015001	1.0429	1.0658	1.0825	0.016568	-0.0025	-0.000475	0.0014	0.0015966

Device Test: 5.84; DLY_TMR_500KOHM

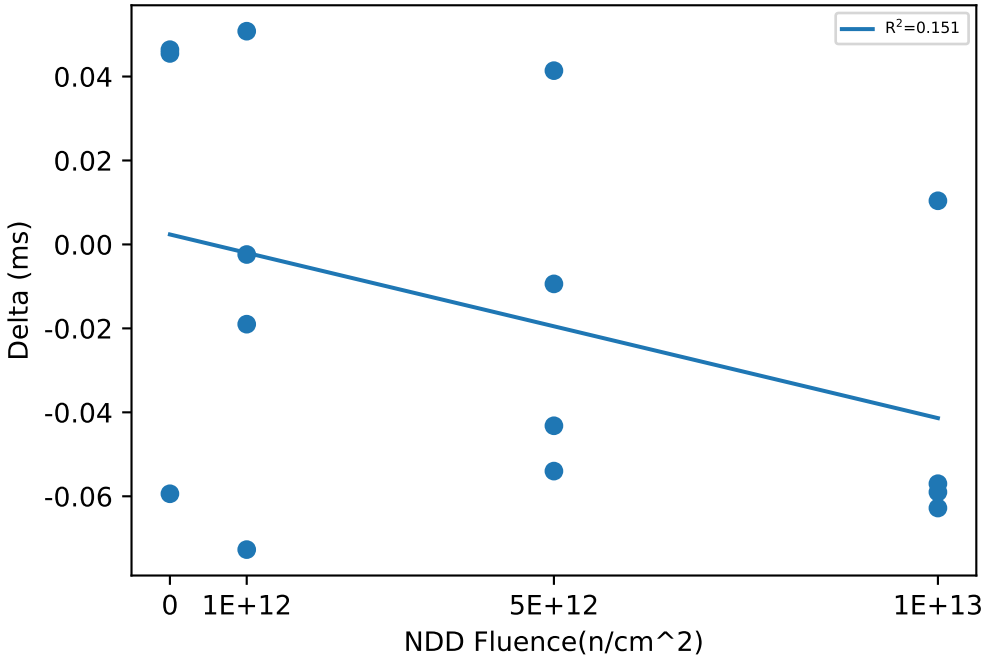
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.568	12.549	-0.019
314	1e+12	NDD Unbiased	12.638	12.566	-0.0727
315	1e+12	NDD Unbiased	12.461	12.459	-0.0024
316	1e+12	NDD Unbiased	12.682	12.732	0.0508
317	5e+12	NDD Unbiased	12.408	12.399	-0.0094
318	5e+12	NDD Unbiased	12.576	12.618	0.0414
320	5e+12	NDD Unbiased	12.679	12.625	-0.054
321	5e+12	NDD Unbiased	12.586	12.543	-0.0432
322	1e+13	NDD Unbiased	12.446	12.387	-0.059
323	1e+13	NDD Unbiased	12.396	12.334	-0.0628
324	1e+13	NDD Unbiased	12.589	12.599	0.0104
325	1e+13	NDD Unbiased	12.456	12.399	-0.057
326	0	Correlation	12.364	12.411	0.0464
327	0	Correlation	12.693	12.738	0.0455
328	0	Correlation	12.371	12.311	-0.0594

NDD vs Post - Pre Exposure Delta

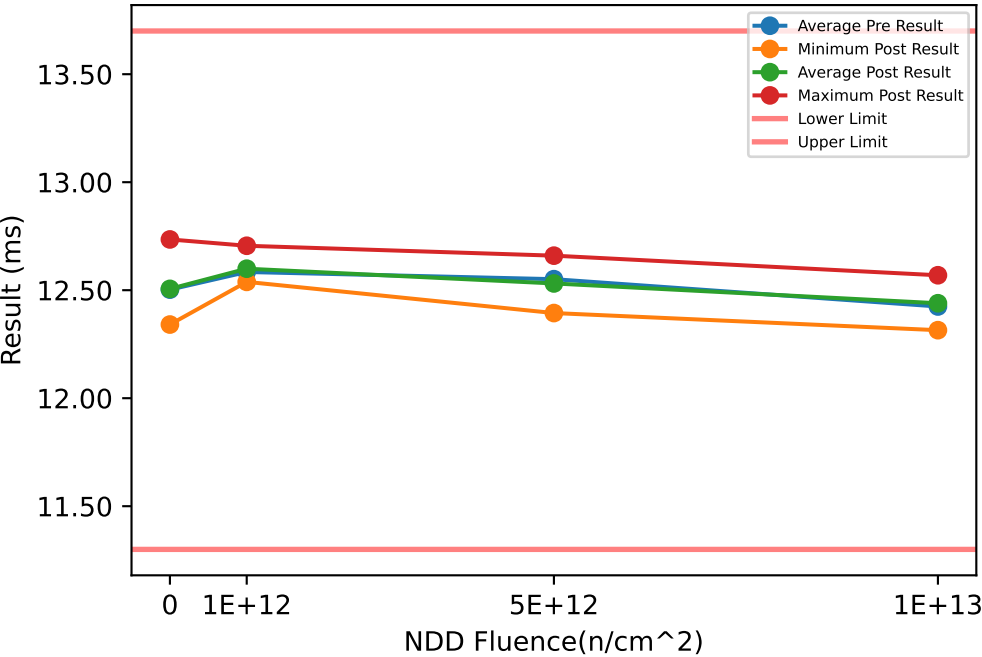


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.364	12.476	12.693	0.1879	12.311	12.487	12.738	0.22349	-0.0594	0.010833	0.0464	0.060826
1e+12	12.461	12.587	12.682	0.09631	12.459	12.576	12.732	0.11418	-0.0727	-0.010825	0.0508	0.050872
5e+12	12.408	12.562	12.679	0.11267	12.399	12.546	12.625	0.10488	-0.054	-0.0163	0.0414	0.042902
1e+13	12.396	12.472	12.589	0.082113	12.334	12.43	12.599	0.11638	-0.0628	-0.0421	0.0104	0.035083

Device Test: 5.85; DLY_TMR_500KOHM

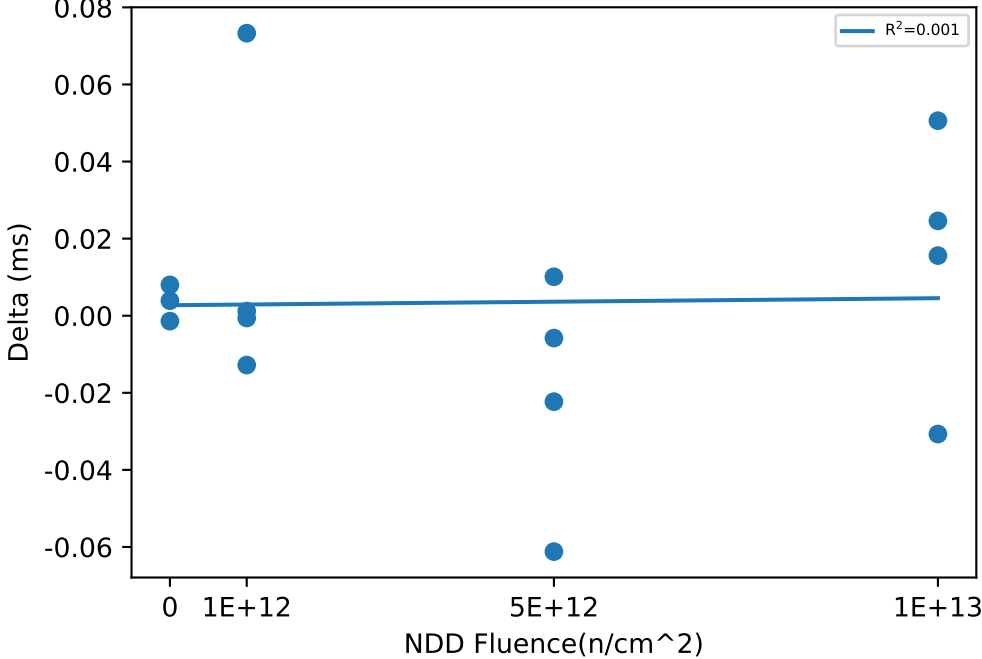
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.501	12.574	0.0733
314	1e+12	NDD Unbiased	12.581	12.58	-0.0006
315	1e+12	NDD Unbiased	12.537	12.539	0.0012
316	1e+12	NDD Unbiased	12.719	12.706	-0.0128
317	5e+12	NDD Unbiased	12.416	12.394	-0.0223
318	5e+12	NDD Unbiased	12.607	12.546	-0.0612
320	5e+12	NDD Unbiased	12.666	12.66	-0.0058
321	5e+12	NDD Unbiased	12.515	12.525	0.0101
322	1e+13	NDD Unbiased	12.42	12.444	0.0246
323	1e+13	NDD Unbiased	12.346	12.315	-0.0307
324	1e+13	NDD Unbiased	12.519	12.569	0.0506
325	1e+13	NDD Unbiased	12.415	12.43	0.0156
326	0	Correlation	12.438	12.442	0.0039
327	0	Correlation	12.736	12.735	-0.0014
328	0	Correlation	12.333	12.341	0.008

NDD vs Post - Pre Exposure Delta

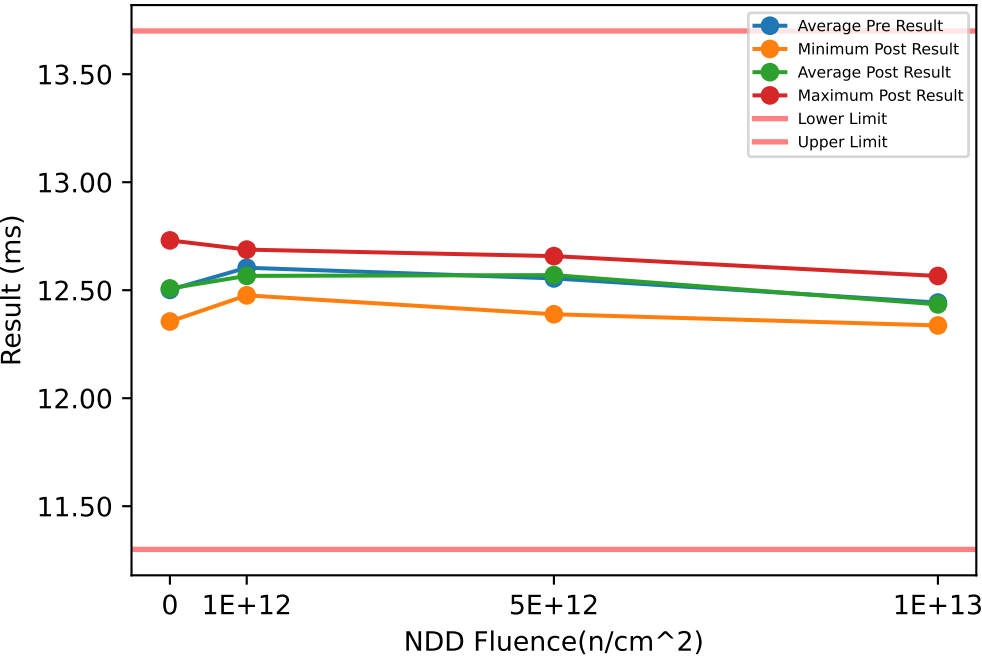


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.333	12.503	12.736	0.20921	12.341	12.506	12.735	0.20459	-0.0014	0.0035	0.008	0.0047127
1e+12	12.501	12.584	12.719	0.095256	12.539	12.6	12.706	0.073098	-0.0128	0.015275	0.0733	0.03918
5e+12	12.416	12.551	12.666	0.10905	12.394	12.531	12.66	0.10891	-0.0612	-0.0198	0.0101	0.030606
1e+13	12.346	12.425	12.519	0.07119	12.315	12.44	12.569	0.10402	-0.0307	0.015025	0.0506	0.033904

Device Test: 5.86; DLY_TMR_500KOHM

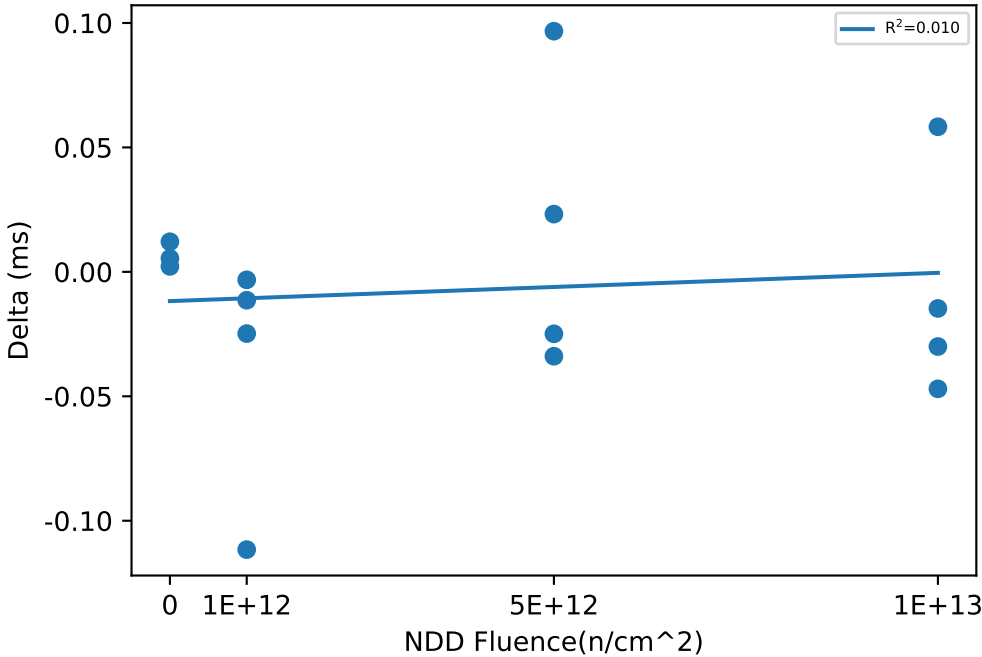
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	12.588	12.476	-0.1116
314	1e+12	NDD Unbiased	12.582	12.579	-0.0032
315	1e+12	NDD Unbiased	12.547	12.522	-0.0248
316	1e+12	NDD Unbiased	12.699	12.688	-0.0114
317	5e+12	NDD Unbiased	12.414	12.389	-0.0249
318	5e+12	NDD Unbiased	12.527	12.624	0.0967
320	5e+12	NDD Unbiased	12.692	12.658	-0.0339
321	5e+12	NDD Unbiased	12.586	12.609	0.0232
322	1e+13	NDD Unbiased	12.382	12.441	0.0583
323	1e+13	NDD Unbiased	12.351	12.337	-0.0147
324	1e+13	NDD Unbiased	12.596	12.566	-0.03
325	1e+13	NDD Unbiased	12.441	12.394	-0.047
326	0	Correlation	12.427	12.439	0.0121
327	0	Correlation	12.725	12.731	0.0054
328	0	Correlation	12.353	12.355	0.0022

NDD vs Post - Pre Exposure Delta

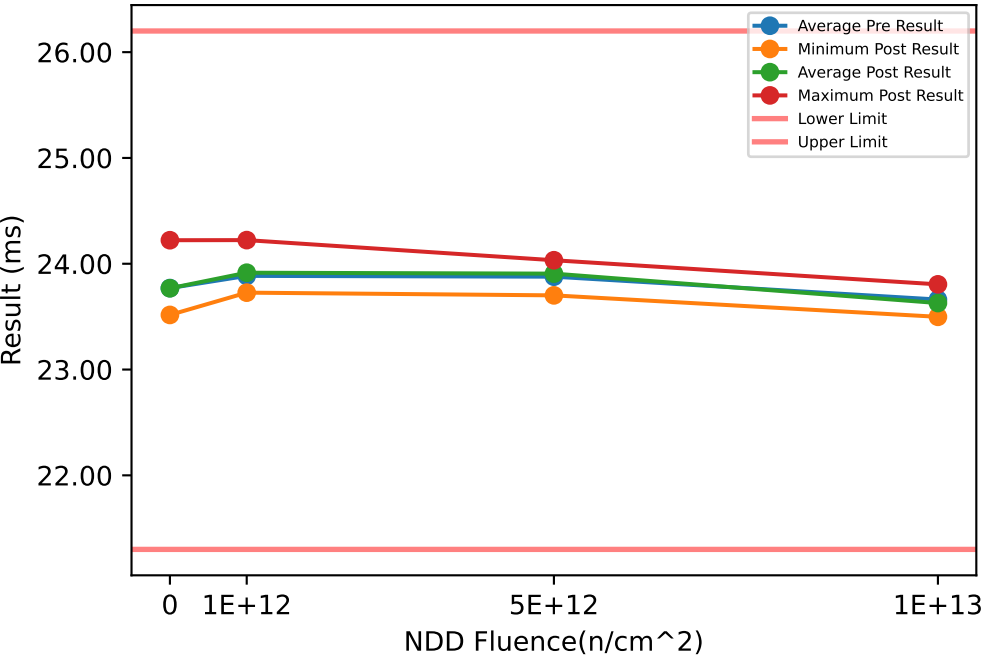


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.353	12.502	12.725	0.19717	12.355	12.508	12.731	0.19717	0.0022	0.0065667	0.0121	0.0050521
1e+12	12.547	12.604	12.699	0.066042	12.476	12.566	12.688	0.091318	-0.1116	-0.03775	-0.0032	0.050032
5e+12	12.414	12.555	12.692	0.11615	12.389	12.57	12.658	0.12253	-0.0339	0.015275	0.0967	0.059791
1e+13	12.351	12.443	12.596	0.10864	12.337	12.434	12.566	0.097362	-0.047	-0.00835	0.0583	0.04635

Device Test: 5.87; DLY_TMR_1MOHM

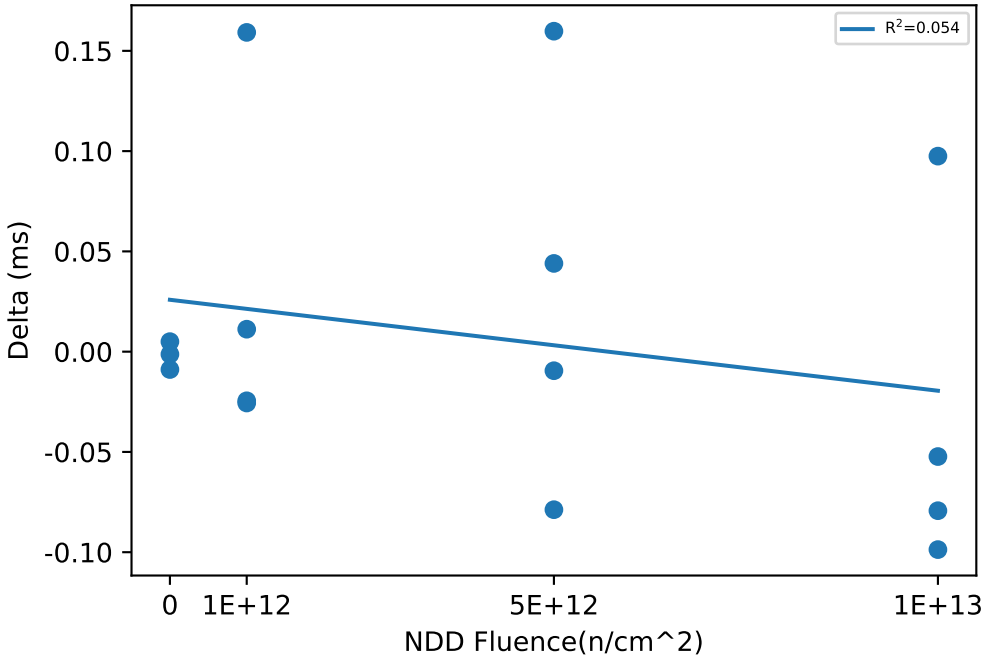
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.911	23.885	-0.0256
314	1e+12	NDD Unbiased	23.814	23.826	0.0112
315	1e+12	NDD Unbiased	23.568	23.727	0.1592
316	1e+12	NDD Unbiased	24.248	24.223	-0.0245
317	5e+12	NDD Unbiased	23.711	23.701	-0.0095
318	5e+12	NDD Unbiased	23.758	23.917	0.1598
320	5e+12	NDD Unbiased	24.112	24.033	-0.0788
321	5e+12	NDD Unbiased	23.931	23.975	0.044
322	1e+13	NDD Unbiased	23.725	23.626	-0.0987
323	1e+13	NDD Unbiased	23.578	23.498	-0.0793
324	1e+13	NDD Unbiased	23.708	23.805	0.0975
325	1e+13	NDD Unbiased	23.637	23.584	-0.0523
326	0	Correlation	23.511	23.516	0.005
327	0	Correlation	24.224	24.222	-0.0013
328	0	Correlation	23.575	23.566	-0.0089

NDD vs Post - Pre Exposure Delta

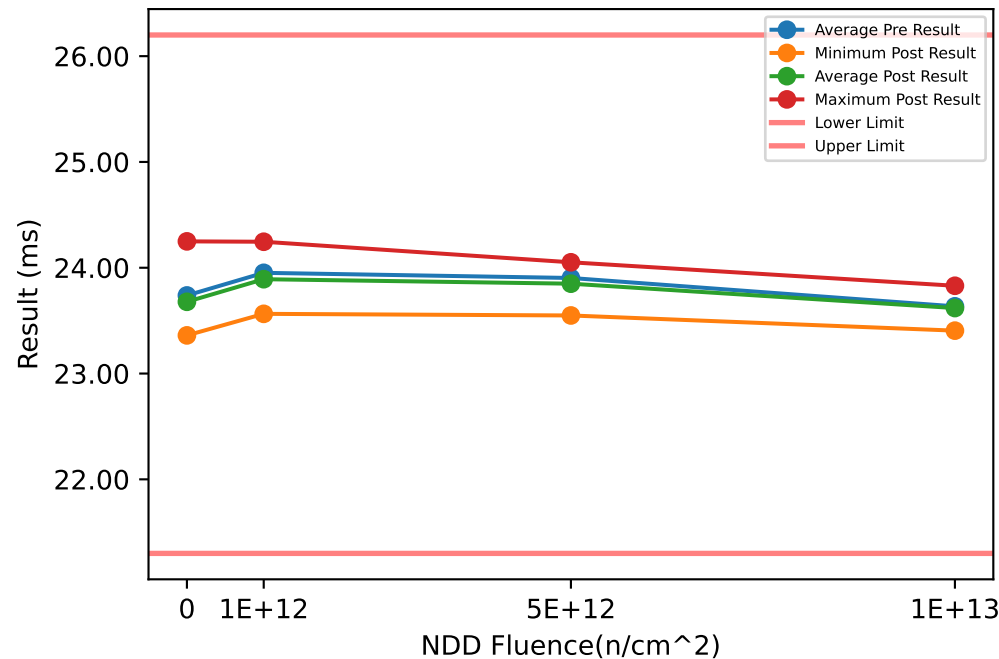


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.511	23.77	24.224	0.39421	23.516	23.768	24.222	0.39408	-0.0089	-0.0017333	0.005	0.0069601
1e+12	23.568	23.885	24.248	0.28171	23.727	23.915	24.223	0.21555	-0.0256	0.030075	0.1592	0.087764
5e+12	23.711	23.878	24.112	0.18259	23.701	23.907	24.033	0.14488	-0.0788	0.028875	0.1598	0.10073
1e+13	23.578	23.662	23.725	0.06775	23.498	23.629	23.805	0.12926	-0.0987	-0.0332	0.0975	0.089187

Device Test: 5.88; DLY_TMR_1MOHM

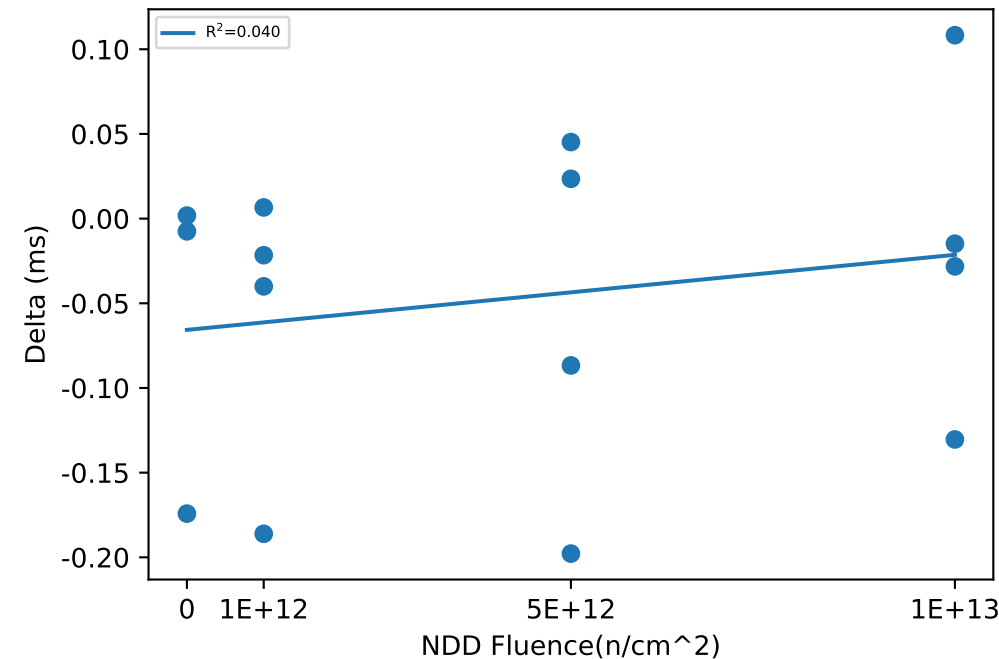
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.953	23.913	-0.04
314	1e+12	NDD Unbiased	23.865	23.843	-0.0216
315	1e+12	NDD Unbiased	23.75	23.564	-0.1861
316	1e+12	NDD Unbiased	24.239	24.246	0.0066
317	5e+12	NDD Unbiased	23.747	23.549	-0.1978
318	5e+12	NDD Unbiased	23.75	23.796	0.0452
320	5e+12	NDD Unbiased	24.138	24.052	-0.0867
321	5e+12	NDD Unbiased	23.978	24.001	0.0235
322	1e+13	NDD Unbiased	23.759	23.629	-0.1304
323	1e+13	NDD Unbiased	23.42	23.405	-0.0148
324	1e+13	NDD Unbiased	23.721	23.83	0.1083
325	1e+13	NDD Unbiased	23.64	23.612	-0.0282
326	0	Correlation	23.535	23.361	-0.1742
327	0	Correlation	24.247	24.249	0.0018
328	0	Correlation	23.432	23.425	-0.0075

NDD vs Post - Pre Exposure Delta

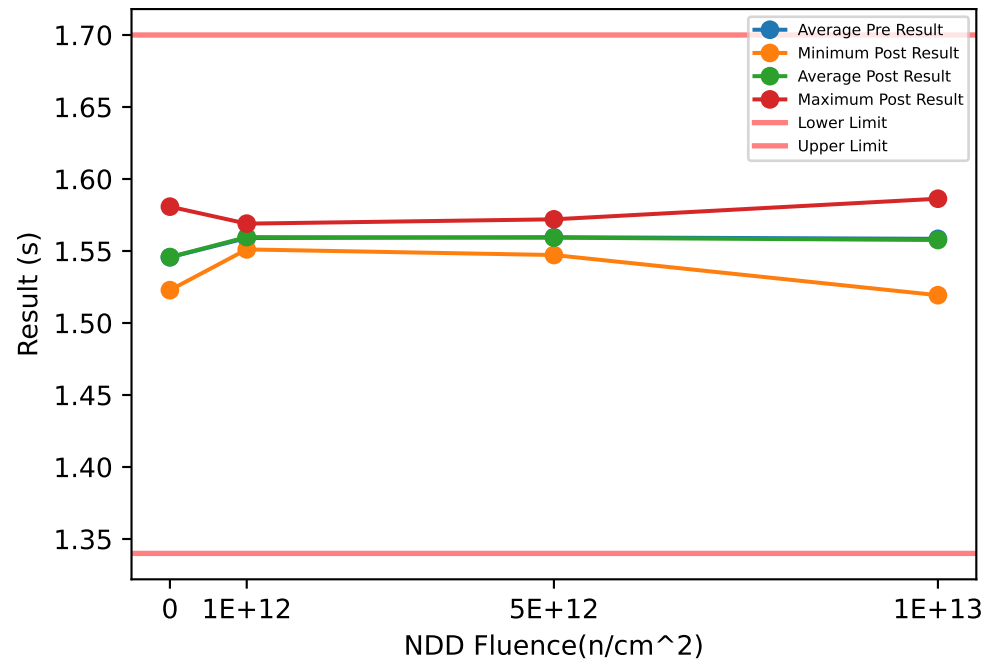


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.432	23.738	24.247	0.44408	23.361	23.678	24.249	0.49562	-0.1742	-0.059967	0.0018	0.099038
1e+12	23.75	23.952	24.239	0.20874	23.564	23.892	24.246	0.28012	-0.1861	-0.060275	0.0066	0.086045
5e+12	23.747	23.903	24.138	0.19029	23.549	23.849	24.052	0.22881	-0.1978	-0.05395	0.0452	0.11194
1e+13	23.42	23.635	23.759	0.15173	23.405	23.619	23.83	0.17333	-0.1304	-0.016275	0.1083	0.097789

Device Test: 5.89; WD_TMR_1MOHM

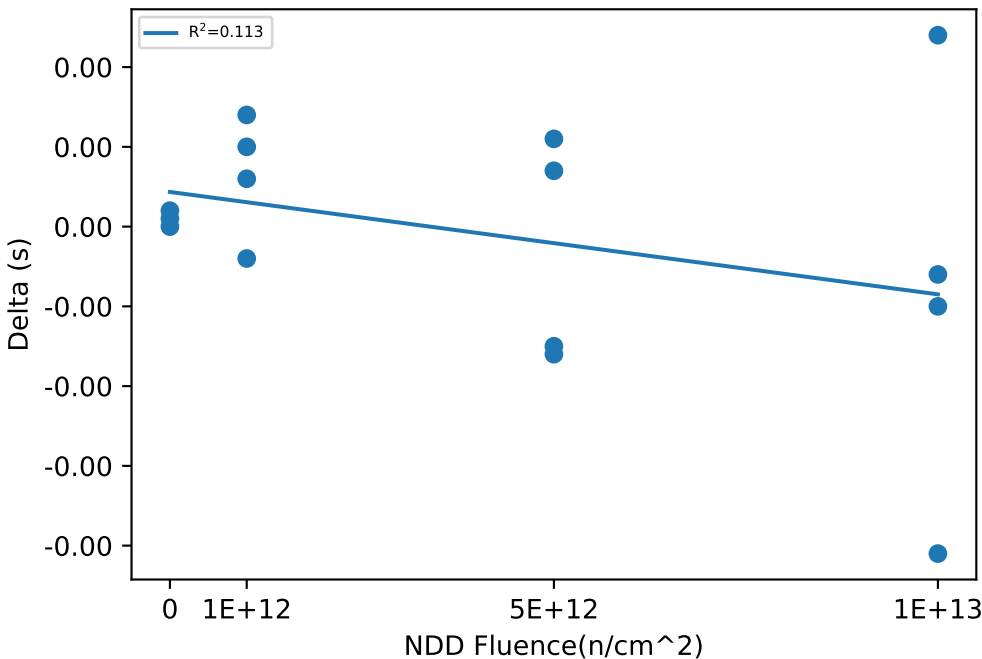
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.568	1.569	0.001
314	1e+12	NDD Unbiased	1.5515	1.5511	-0.0004
315	1e+12	NDD Unbiased	1.5657	1.5671	0.0014
316	1e+12	NDD Unbiased	1.5508	1.5514	0.0006
317	5e+12	NDD Unbiased	1.5494	1.5501	0.0007
318	5e+12	NDD Unbiased	1.5735	1.572	-0.0015
320	5e+12	NDD Unbiased	1.5488	1.5472	-0.0016
321	5e+12	NDD Unbiased	1.5666	1.5677	0.0011
322	1e+13	NDD Unbiased	1.5234	1.5193	-0.0041
323	1e+13	NDD Unbiased	1.561	1.5604	-0.0006
324	1e+13	NDD Unbiased	1.5839	1.5863	0.0024
325	1e+13	NDD Unbiased	1.5655	1.5645	-0.001
326	0	Correlation	1.5807	1.5808	0.0001
327	0	Correlation	1.5337	1.5337	0
328	0	Correlation	1.5226	1.5228	0.0002

NDD vs Post - Pre Exposure Delta

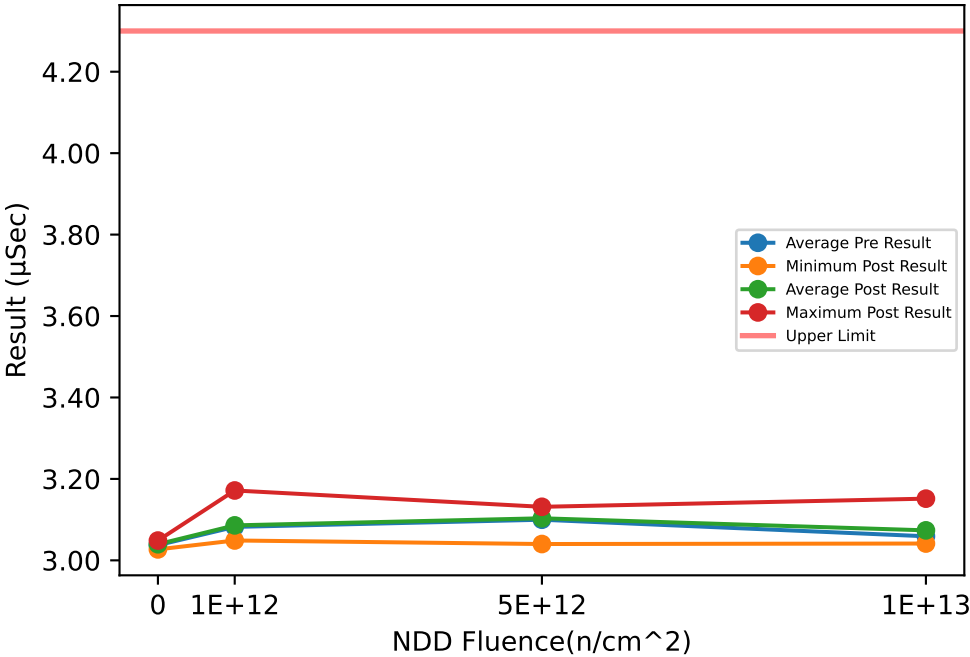


Test Statistics (s)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5226	1.5457	1.5807	0.030843	1.5228	1.5458	1.5808	0.030825	0	0.0001	0.0002	0.0001
1e+12	1.5508	1.559	1.568	0.0091174	1.5511	1.5596	1.569	0.0097312	-0.0004	0.00065	0.0014	0.00077244
5e+12	1.5488	1.5596	1.5735	0.012422	1.5472	1.5593	1.572	0.012422	-0.0016	-0.000325	0.0011	0.0014245
1e+13	1.5234	1.5585	1.5839	0.02538	1.5193	1.5576	1.5863	0.027964	-0.0041	-0.000825	0.0024	0.0026588

Device Test: 5.9; PROPD_RESET

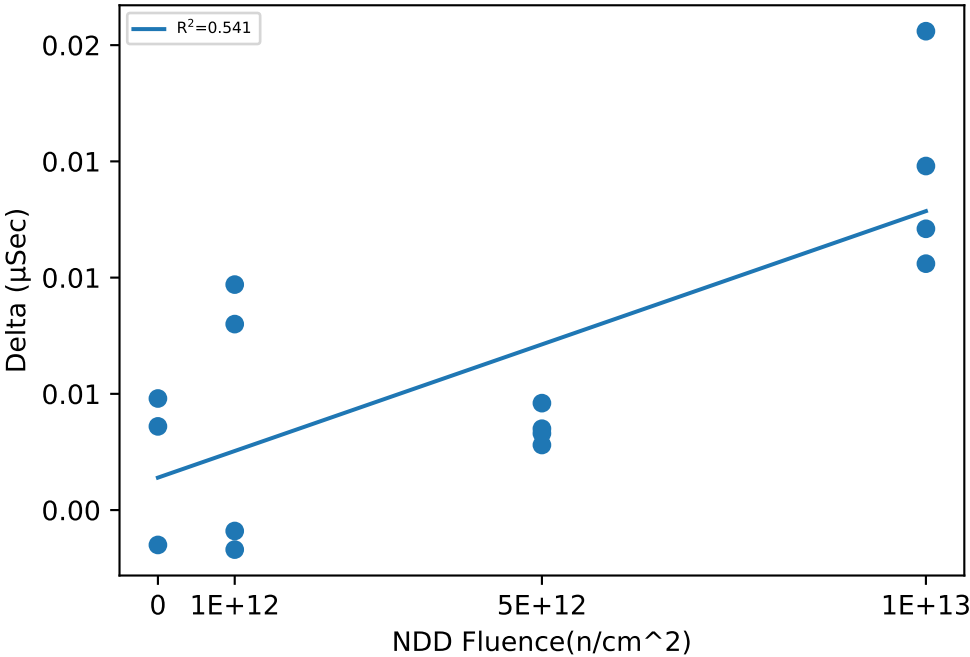
NDD vs Result Stats



Test Results (Upper Limit = 4.3 (µSec))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.1733	3.1716	-0.0017
314	1e+12	NDD Unbiased	3.0524	3.0515	-0.0009
315	1e+12	NDD Unbiased	3.0391	3.0488	0.0097
316	1e+12	NDD Unbiased	3.0637	3.0717	0.008
317	5e+12	NDD Unbiased	3.1269	3.1315	0.0046
318	5e+12	NDD Unbiased	3.1233	3.1266	0.0033
320	5e+12	NDD Unbiased	3.1123	3.1151	0.0028
321	5e+12	NDD Unbiased	3.0366	3.0401	0.0035
322	1e+13	NDD Unbiased	3.1367	3.1515	0.0148
323	1e+13	NDD Unbiased	3.0307	3.0413	0.0106
324	1e+13	NDD Unbiased	3.0441	3.0562	0.0121
325	1e+13	NDD Unbiased	3.025	3.0456	0.0206
326	0	Correlation	3.0384	3.0432	0.0048
327	0	Correlation	3.0233	3.0269	0.0036
328	0	Correlation	3.0501	3.0486	-0.0015

NDD vs Post - Pre Exposure Delta

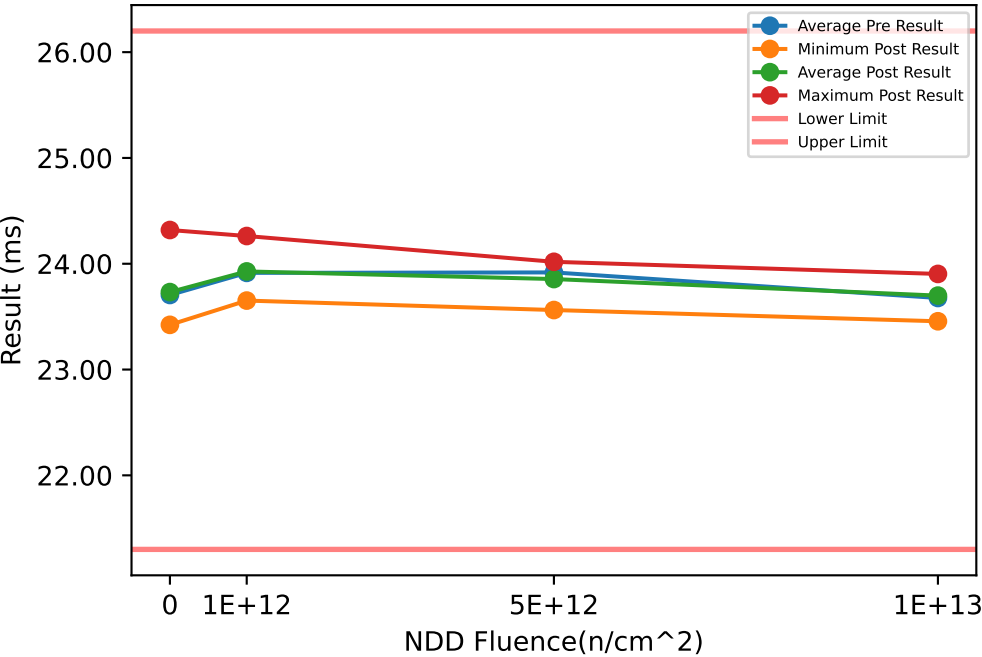


Test Statistics (µSec)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.0233	3.0373	3.0501	0.013436	3.0269	3.0396	3.0486	0.011297	-0.0015	0.0023	0.0048	0.0033451
1e+12	3.0391	3.0821	3.1733	0.061609	3.0488	3.0859	3.1716	0.05804	-0.0017	0.003775	0.0097	0.0059101
5e+12	3.0366	3.0998	3.1269	0.042572	3.0401	3.1033	3.1315	0.042707	0.0028	0.00355	0.0046	0.00075939
1e+13	3.025	3.0591	3.1367	0.052333	3.0413	3.0736	3.1515	0.052276	0.0106	0.014525	0.0206	0.0044071

Device Test: 5.90; DLY_TMR_1MOHM

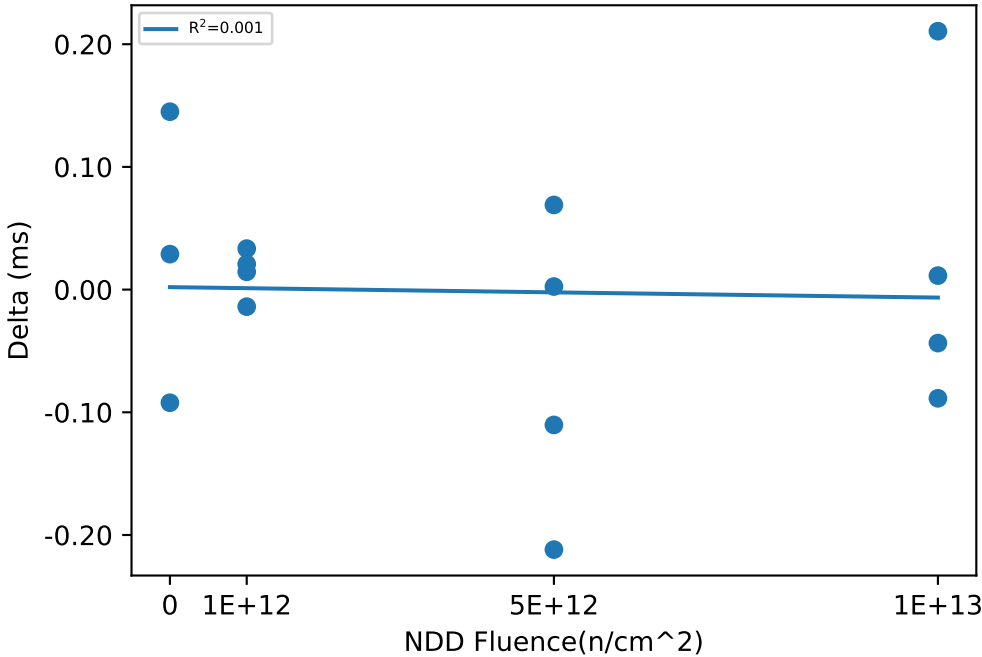
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.926	23.912	-0.0139
314	1e+12	NDD Unbiased	23.85	23.884	0.0334
315	1e+12	NDD Unbiased	23.631	23.652	0.0208
316	1e+12	NDD Unbiased	24.248	24.262	0.0145
317	5e+12	NDD Unbiased	23.673	23.562	-0.1103
318	5e+12	NDD Unbiased	23.827	23.829	0.0025
320	5e+12	NDD Unbiased	24.23	24.018	-0.2119
321	5e+12	NDD Unbiased	23.943	24.012	0.069
322	1e+13	NDD Unbiased	23.765	23.777	0.0114
323	1e+13	NDD Unbiased	23.5	23.456	-0.0436
324	1e+13	NDD Unbiased	23.693	23.904	0.2106
325	1e+13	NDD Unbiased	23.747	23.659	-0.0886
326	0	Correlation	23.394	23.422	0.0289
327	0	Correlation	24.174	24.319	0.145
328	0	Correlation	23.547	23.455	-0.0922

NDD vs Post - Pre Exposure Delta

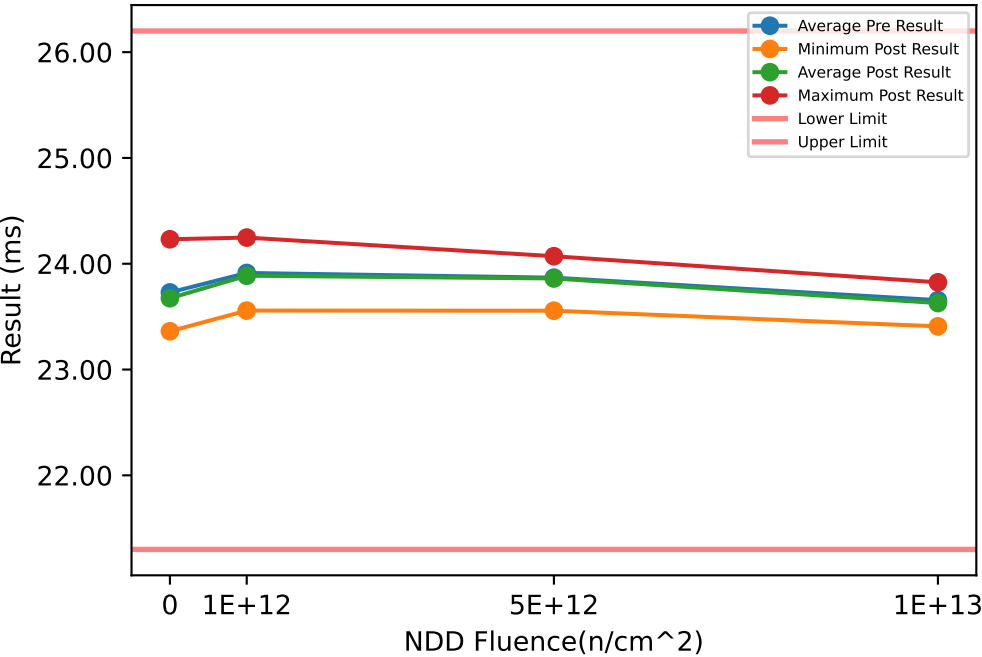


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.394	23.705	24.174	0.41336	23.422	23.732	24.319	0.50841	-0.0922	0.027233	0.145	0.11861
1e+12	23.631	23.914	24.248	0.25528	23.652	23.927	24.262	0.2517	-0.0139	0.0137	0.0334	0.020007
5e+12	23.673	23.918	24.23	0.23562	23.562	23.855	24.018	0.21405	-0.2119	-0.062675	0.069	0.12399
1e+13	23.5	23.676	23.765	0.12159	23.456	23.699	23.904	0.19021	-0.0886	0.02245	0.2106	0.13193

Device Test: 5.91; DLY_TMR_1MOHM

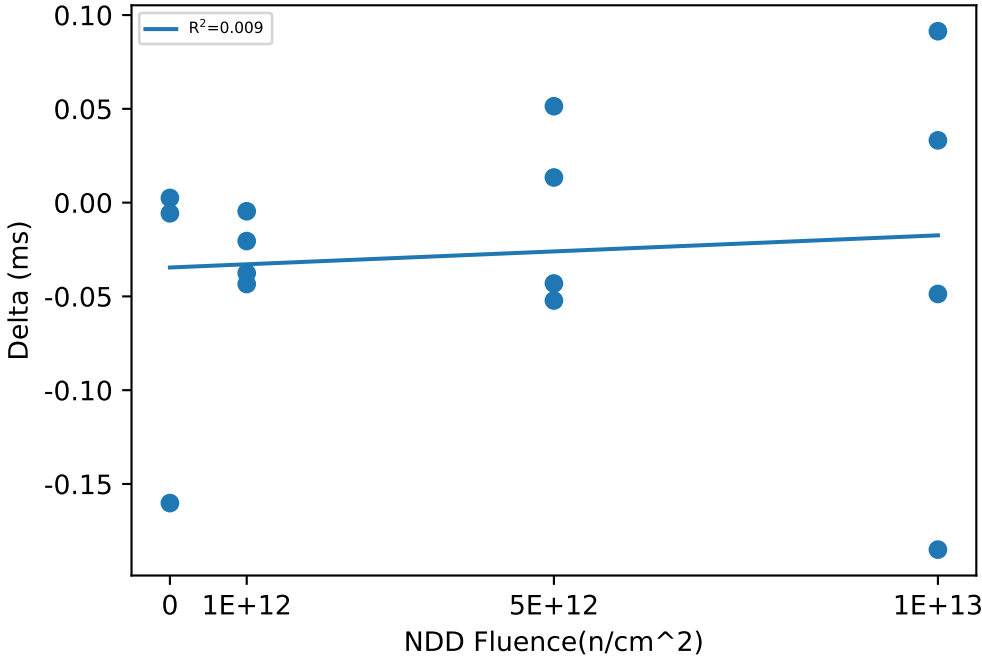
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.956	23.912	-0.0434
314	1e+12	NDD Unbiased	23.85	23.829	-0.0205
315	1e+12	NDD Unbiased	23.595	23.557	-0.0376
316	1e+12	NDD Unbiased	24.252	24.247	-0.0046
317	5e+12	NDD Unbiased	23.599	23.556	-0.0431
318	5e+12	NDD Unbiased	23.755	23.806	0.0514
320	5e+12	NDD Unbiased	24.123	24.071	-0.0522
321	5e+12	NDD Unbiased	23.996	24.01	0.0134
322	1e+13	NDD Unbiased	23.626	23.659	0.0332
323	1e+13	NDD Unbiased	23.593	23.408	-0.185
324	1e+13	NDD Unbiased	23.733	23.824	0.0914
325	1e+13	NDD Unbiased	23.672	23.623	-0.0487
326	0	Correlation	23.522	23.362	-0.1602
327	0	Correlation	24.229	24.231	0.0025
328	0	Correlation	23.435	23.43	-0.0057

NDD vs Post - Pre Exposure Delta

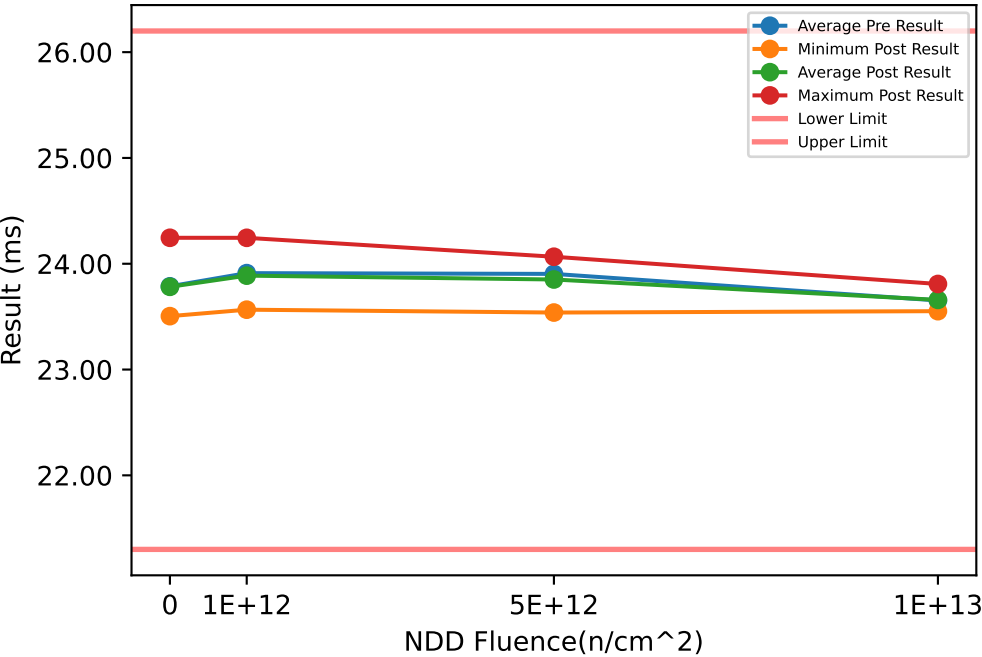


Test Statistics (ms)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.435	23.729	24.229	0.4353	23.362	23.674	24.231	0.48365	-0.1602	-0.054467	0.0025	0.091659
1e+12	23.595	23.913	24.252	0.272	23.557	23.887	24.247	0.28436	-0.0434	-0.026525	-0.0046	0.017554
5e+12	23.599	23.868	24.123	0.23573	23.556	23.861	24.071	0.23252	-0.0522	-0.007625	0.0514	0.048892
1e+13	23.593	23.656	23.733	0.060707	23.408	23.629	23.824	0.17117	-0.185	-0.027275	0.0914	0.11983

Device Test: 5.92; DLY_TMR_1MOHM

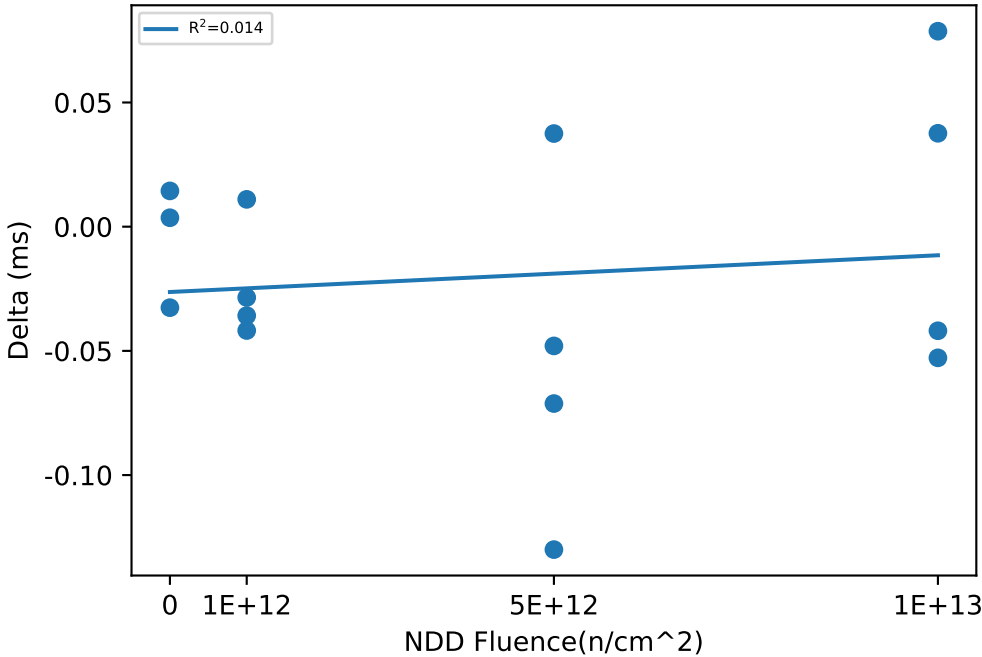
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	23.954	23.912	-0.0418
314	1e+12	NDD Unbiased	23.863	23.827	-0.0358
315	1e+12	NDD Unbiased	23.594	23.566	-0.0285
316	1e+12	NDD Unbiased	24.234	24.245	0.011
317	5e+12	NDD Unbiased	23.587	23.539	-0.048
318	5e+12	NDD Unbiased	23.928	23.798	-0.13
320	5e+12	NDD Unbiased	24.137	24.066	-0.0712
321	5e+12	NDD Unbiased	23.964	24.002	0.0375
322	1e+13	NDD Unbiased	23.617	23.655	0.0376
323	1e+13	NDD Unbiased	23.605	23.552	-0.0528
324	1e+13	NDD Unbiased	23.73	23.809	0.0787
325	1e+13	NDD Unbiased	23.66	23.618	-0.0419
326	0	Correlation	23.537	23.505	-0.0326
327	0	Correlation	24.242	24.245	0.0036
328	0	Correlation	23.581	23.596	0.0144

NDD vs Post - Pre Exposure Delta

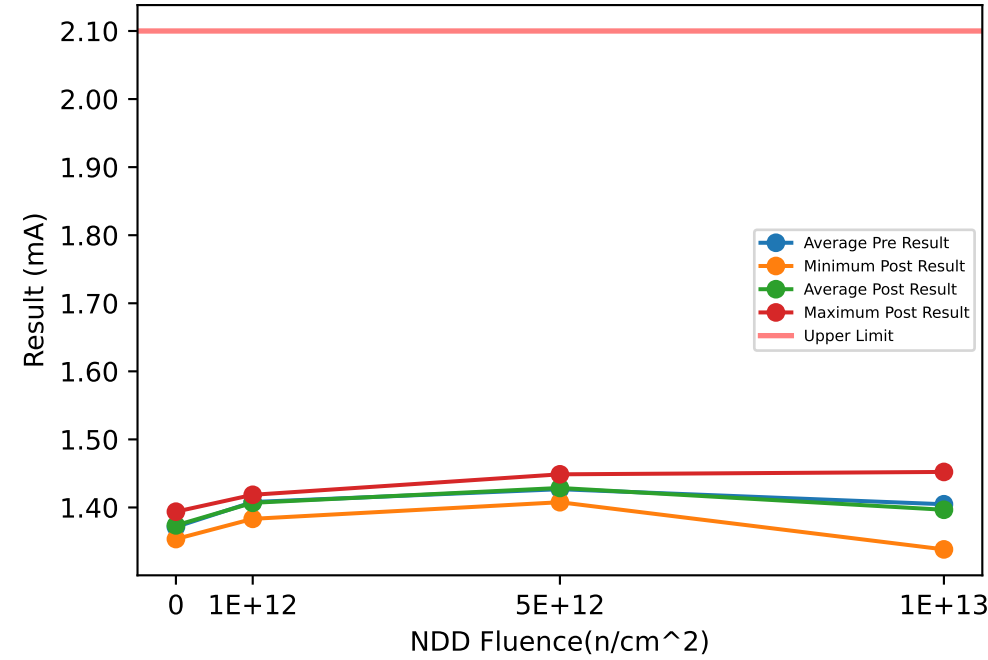


Test Statistics (ms)

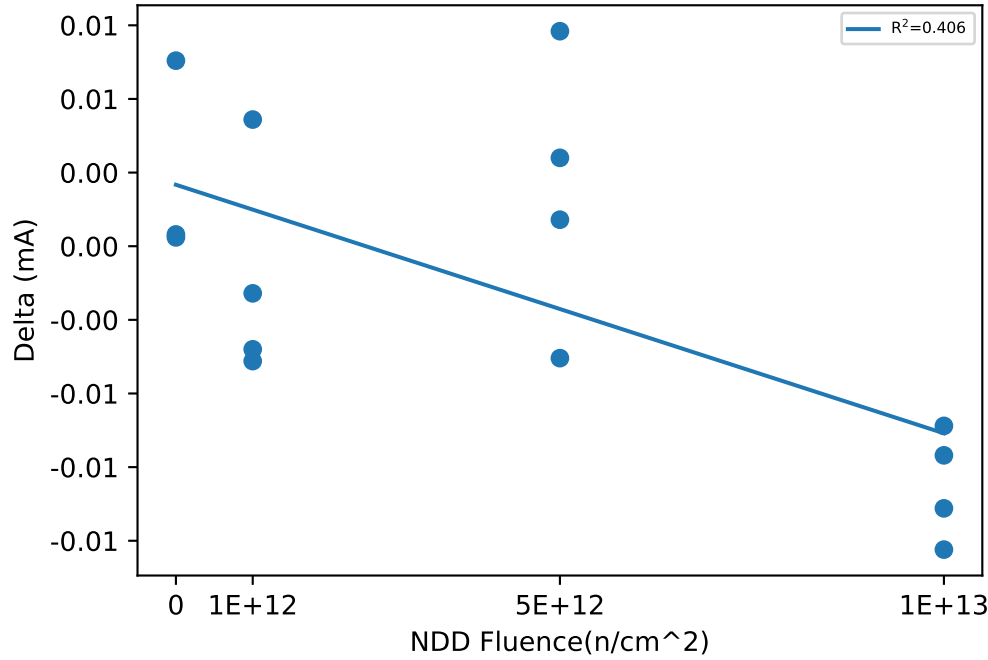
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.537	23.787	24.242	0.39466	23.505	23.782	24.245	0.40394	-0.0326	-0.0048667	0.0144	0.024617
1e+12	23.594	23.911	24.234	0.26385	23.566	23.888	24.245	0.28025	-0.0418	-0.023775	0.011	0.023813
5e+12	23.587	23.904	24.137	0.23045	23.539	23.851	24.066	0.23757	-0.13	-0.052925	0.0375	0.069463
1e+13	23.605	23.653	23.73	0.056666	23.552	23.658	23.809	0.10901	-0.0528	0.0054	0.0787	0.063336

Device Test: 6.1; ISD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.1 (mA))

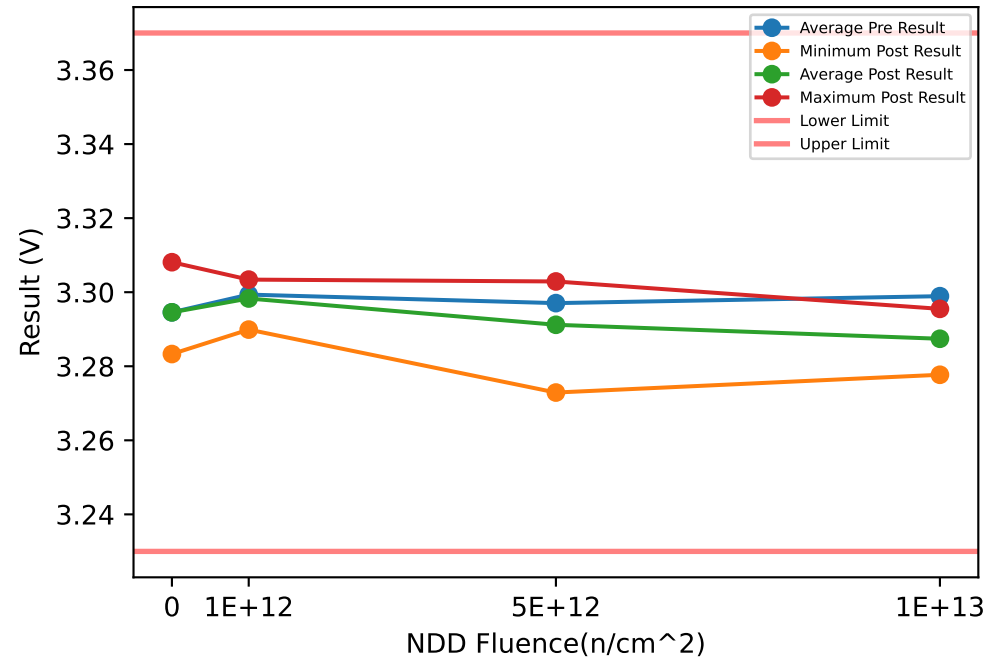
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.417	1.4154	-0.0016
314	1e+12	NDD Unbiased	1.4058	1.4101	0.0043
315	1e+12	NDD Unbiased	1.4221	1.4186	-0.0035
316	1e+12	NDD Unbiased	1.3872	1.3833	-0.0039
317	5e+12	NDD Unbiased	1.4047	1.4077	0.003
318	5e+12	NDD Unbiased	1.4478	1.4487	0.0009
320	5e+12	NDD Unbiased	1.4324	1.4397	0.0073
321	5e+12	NDD Unbiased	1.4224	1.4186	-0.0038
322	1e+13	NDD Unbiased	1.399	1.3919	-0.0071
323	1e+13	NDD Unbiased	1.4143	1.404	-0.0103
324	1e+13	NDD Unbiased	1.3473	1.3384	-0.0089
325	1e+13	NDD Unbiased	1.4583	1.4522	-0.0061
326	0	Correlation	1.3934	1.3938	0.0004
327	0	Correlation	1.3734	1.3737	0.0003
328	0	Correlation	1.3473	1.3536	0.0063

Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3473	1.3714	1.3934	0.023117	1.3536	1.3737	1.3938	0.0201	0.0003	0.0023333	0.0063	0.0034356
1e+12	1.3872	1.408	1.4221	0.015463	1.3833	1.4068	1.4186	0.016087	-0.0039	-0.001175	0.0043	0.0037854
5e+12	1.4047	1.4268	1.4478	0.018075	1.4077	1.4287	1.4487	0.018833	-0.0038	0.00185	0.0073	0.0046134
1e+13	1.3473	1.4047	1.4583	0.045798	1.3384	1.3966	1.4522	0.046746	-0.0103	-0.0081	-0.0061	0.001869

Device Test: 6.10; VLDO_REG

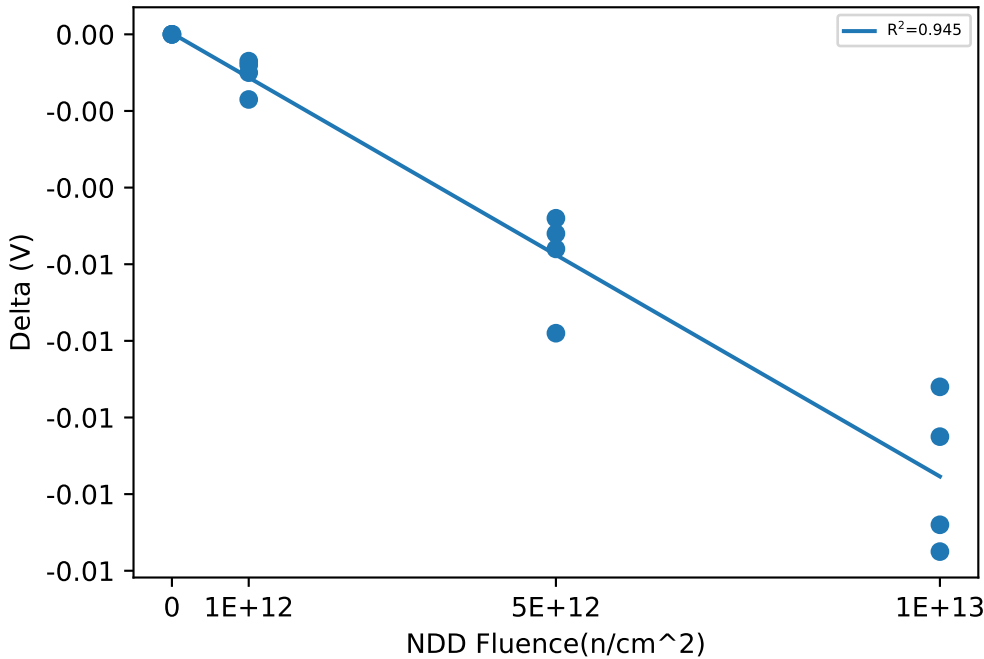
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.2916	3.2899	-0.0017
314	1e+12	NDD Unbiased	3.2987	3.2979	-0.0008
315	1e+12	NDD Unbiased	3.3044	3.3034	-0.001
316	1e+12	NDD Unbiased	3.3027	3.302	-0.0007
317	5e+12	NDD Unbiased	3.2923	3.2875	-0.0048
318	5e+12	NDD Unbiased	3.3085	3.3029	-0.0056
320	5e+12	NDD Unbiased	3.2807	3.2729	-0.0078
321	5e+12	NDD Unbiased	3.3067	3.3015	-0.0052
322	1e+13	NDD Unbiased	3.2958	3.2866	-0.0092
323	1e+13	NDD Unbiased	3.2882	3.2777	-0.0105
324	1e+13	NDD Unbiased	3.309	3.2955	-0.0135
325	1e+13	NDD Unbiased	3.3027	3.2899	-0.0128
326	0	Correlation	3.3081	3.3081	0
327	0	Correlation	3.2833	3.2833	0
328	0	Correlation	3.2923	3.2923	0

NDD vs Post - Pre Exposure Delta

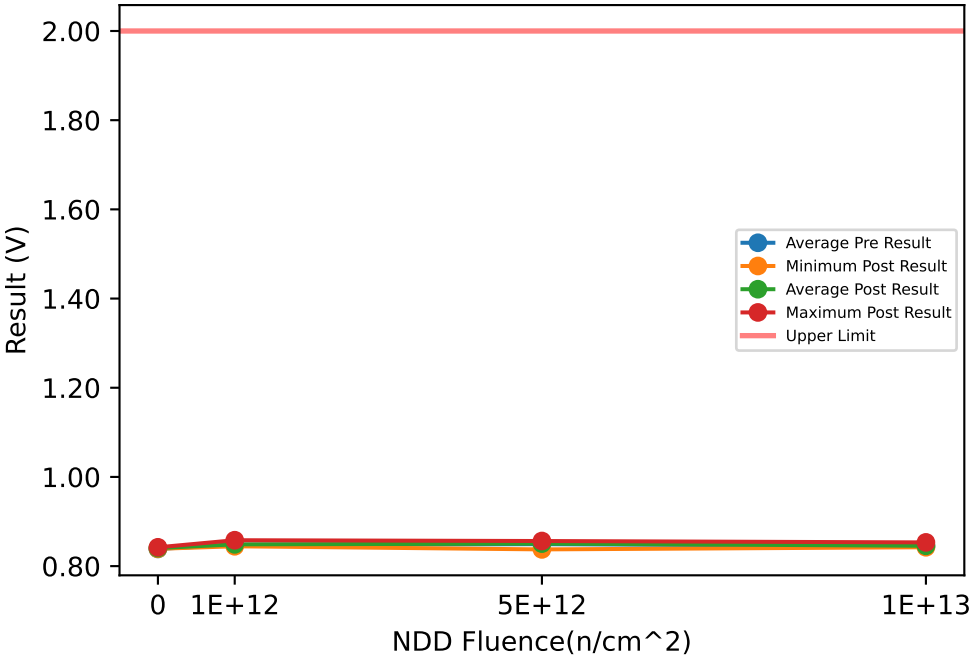


Test Statistics (V)

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	3.2833	3.2946	3.3081	0.012554	3.2833	3.2946	3.3081	0.012554	0	0	0	0
1e+12	3.2916	3.2994	3.3044	0.0056924	3.2899	3.2983	3.3034	0.0060668	-0.0017	-0.00105	-0.0007	0.00045092
5e+12	3.2807	3.2971	3.3085	0.013091	3.2729	3.2912	3.3029	0.014042	-0.0078	-0.00585	-0.0048	0.0013404
1e+13	3.2882	3.2989	3.309	0.0089545	3.2777	3.2874	3.2955	0.0074518	-0.0135	-0.0115	-0.0092	0.0019983

Device Test: 6.100; VOL_RESET_10MA_OD

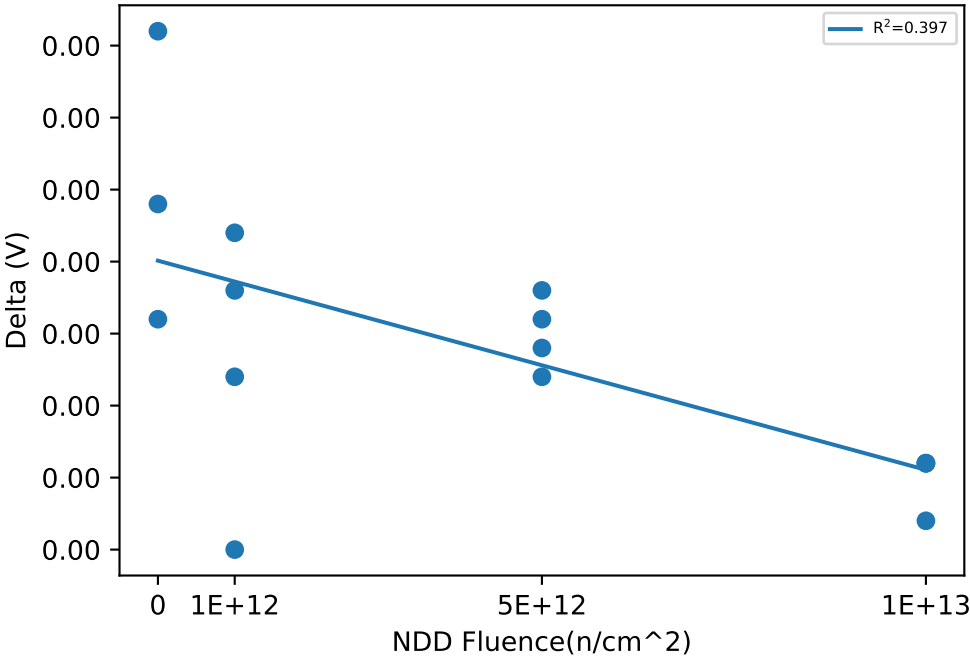
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8576	0.8581	0.0005
314	1e+12	NDD Unbiased	0.8435	0.8446	0.0011
315	1e+12	NDD Unbiased	0.8431	0.8445	0.0014
316	1e+12	NDD Unbiased	0.8465	0.8481	0.0016
317	5e+12	NDD Unbiased	0.855	0.8563	0.0013
318	5e+12	NDD Unbiased	0.8528	0.8542	0.0014
320	5e+12	NDD Unbiased	0.853	0.8541	0.0011
321	5e+12	NDD Unbiased	0.8363	0.8375	0.0012
322	1e+13	NDD Unbiased	0.8526	0.8532	0.0006
323	1e+13	NDD Unbiased	0.8437	0.8445	0.0008
324	1e+13	NDD Unbiased	0.8415	0.8423	0.0008
325	1e+13	NDD Unbiased	0.8416	0.8424	0.0008
326	0	Correlation	0.8389	0.8402	0.0013
327	0	Correlation	0.8371	0.8388	0.0017
328	0	Correlation	0.8399	0.8422	0.0023

NDD vs Post - Pre Exposure Delta

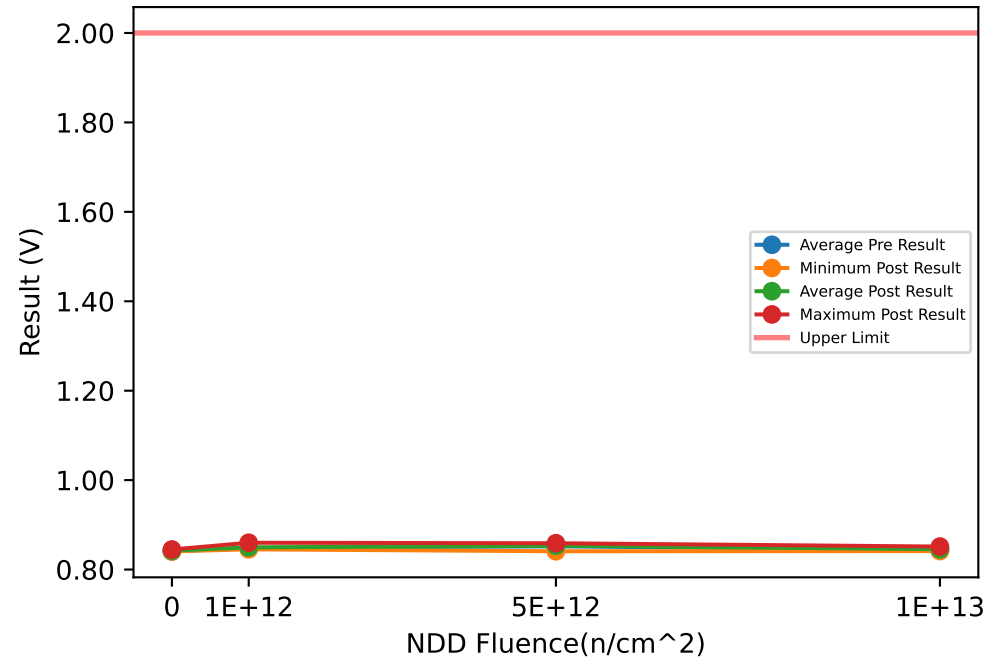


Test Statistics (V)

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	0.8371	0.83863	0.8399	0.0014189	0.8388	0.8404	0.8422	0.0017088	0.0013	0.0017667	0.0023	0.00050332
1e+12	0.8431	0.84767	0.8576	0.0067884	0.8445	0.84882	0.8581	0.0064059	0.0005	0.00115	0.0016	0.00047958
5e+12	0.8363	0.84928	0.855	0.0087068	0.8375	0.85052	0.8563	0.0087424	0.0011	0.00125	0.0014	0.0001291
1e+13	0.8415	0.84485	0.8526	0.0052653	0.8423	0.8456	0.8532	0.0051672	0.0006	0.00075	0.0008	0.0001

Device Test: 6.101; VOL_RESET_10MA_OD

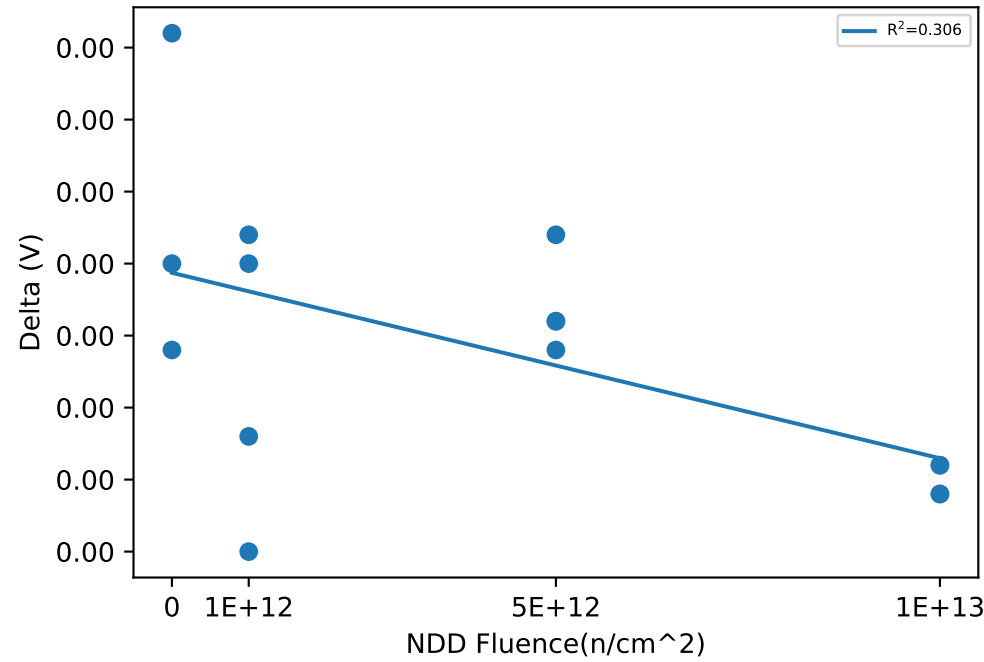
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8594	0.8599	0.0005
314	1e+12	NDD Unbiased	0.8446	0.8455	0.0009
315	1e+12	NDD Unbiased	0.8437	0.8452	0.0015
316	1e+12	NDD Unbiased	0.846	0.8476	0.0016
317	5e+12	NDD Unbiased	0.8575	0.8588	0.0013
318	5e+12	NDD Unbiased	0.8544	0.856	0.0016
320	5e+12	NDD Unbiased	0.856	0.8572	0.0012
321	5e+12	NDD Unbiased	0.8396	0.8409	0.0013
322	1e+13	NDD Unbiased	0.8507	0.8514	0.0007
323	1e+13	NDD Unbiased	0.8441	0.8449	0.0008
324	1e+13	NDD Unbiased	0.8434	0.8441	0.0007
325	1e+13	NDD Unbiased	0.8405	0.8413	0.0008
326	0	Correlation	0.8394	0.8406	0.0012
327	0	Correlation	0.8433	0.8448	0.0015
328	0	Correlation	0.839	0.8413	0.0023

NDD vs Post - Pre Exposure Delta

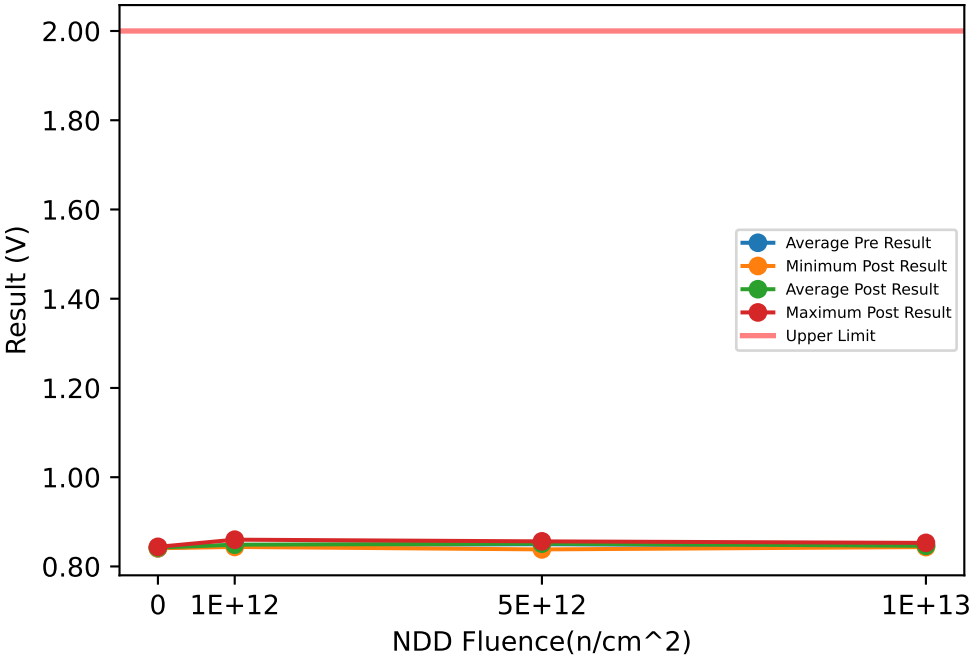


Test Statistics (V)

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	0.839	0.84057	0.8433	0.0023756	0.8406	0.84223	0.8448	0.0022502	0.0012	0.0016667	0.0023	0.00056862
1e+12	0.8437	0.84842	0.8594	0.0073776	0.8452	0.84955	0.8599	0.0069821	0.0005	0.001125	0.0016	0.00051881
5e+12	0.8396	0.85188	0.8575	0.0082807	0.8409	0.85323	0.8588	0.0082963	0.0012	0.00135	0.0016	0.00017321
1e+13	0.8405	0.84468	0.8507	0.0043084	0.8413	0.84542	0.8514	0.0042719	0.0007	0.00075	0.0008	5.7735e-05

Device Test: 6.102; VOL_RESET_10MA_OD

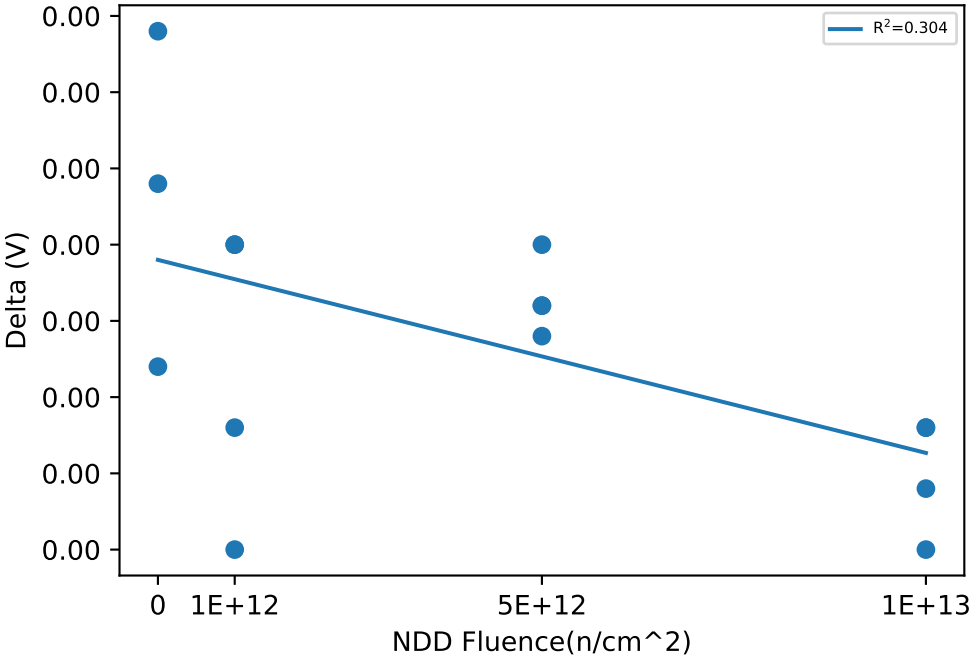
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8595	0.86	0.0005
314	1e+12	NDD Unbiased	0.8428	0.8437	0.0009
315	1e+12	NDD Unbiased	0.8436	0.8451	0.0015
316	1e+12	NDD Unbiased	0.8447	0.8462	0.0015
317	5e+12	NDD Unbiased	0.8538	0.8551	0.0013
318	5e+12	NDD Unbiased	0.8547	0.8562	0.0015
320	5e+12	NDD Unbiased	0.8538	0.8551	0.0013
321	5e+12	NDD Unbiased	0.837	0.8382	0.0012
322	1e+13	NDD Unbiased	0.8523	0.8528	0.0005
323	1e+13	NDD Unbiased	0.8441	0.845	0.0009
324	1e+13	NDD Unbiased	0.8432	0.8439	0.0007
325	1e+13	NDD Unbiased	0.8425	0.8434	0.0009
326	0	Correlation	0.8428	0.8439	0.0011
327	0	Correlation	0.8405	0.8422	0.0017
328	0	Correlation	0.8386	0.8408	0.0022

NDD vs Post - Pre Exposure Delta

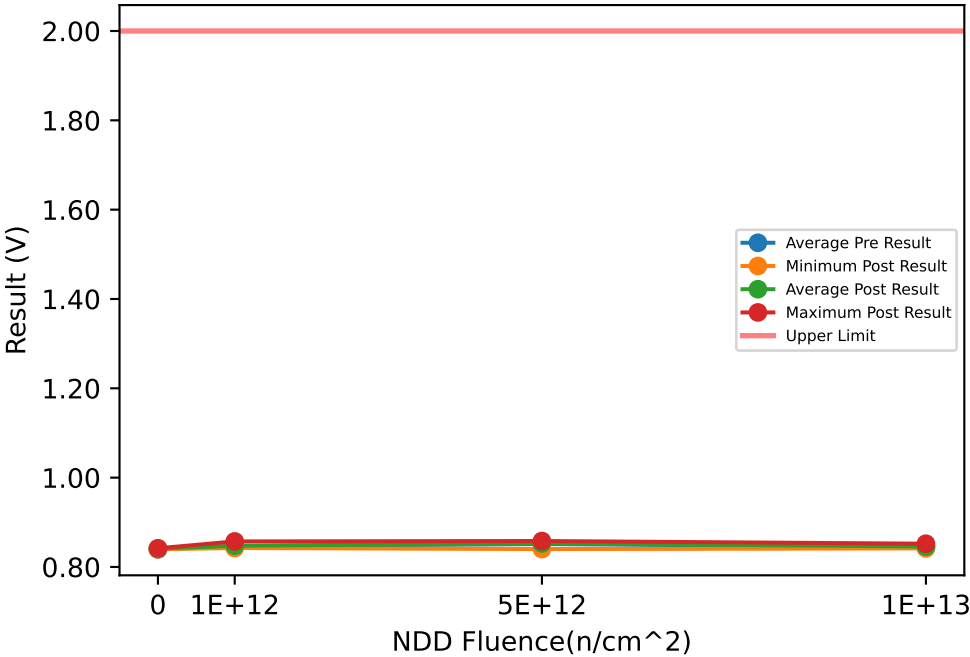


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8386	0.84063	0.8428	0.0021032	0.8408	0.8423	0.8439	0.0015524	0.0011	0.0016667	0.0022	0.00055076
1e+12	0.8428	0.84765	0.8595	0.0079383	0.8437	0.84875	0.86	0.0075695	0.0005	0.0011	0.0015	0.0004899
5e+12	0.837	0.84983	0.8547	0.0085605	0.8382	0.85115	0.8562	0.0086489	0.0012	0.001325	0.0015	0.00012583
1e+13	0.8425	0.84552	0.8523	0.0045639	0.8434	0.84627	0.8528	0.004401	0.0005	0.00075	0.0009	0.00019149

Device Test: 6.103; VOL_RESET_10MA_OD

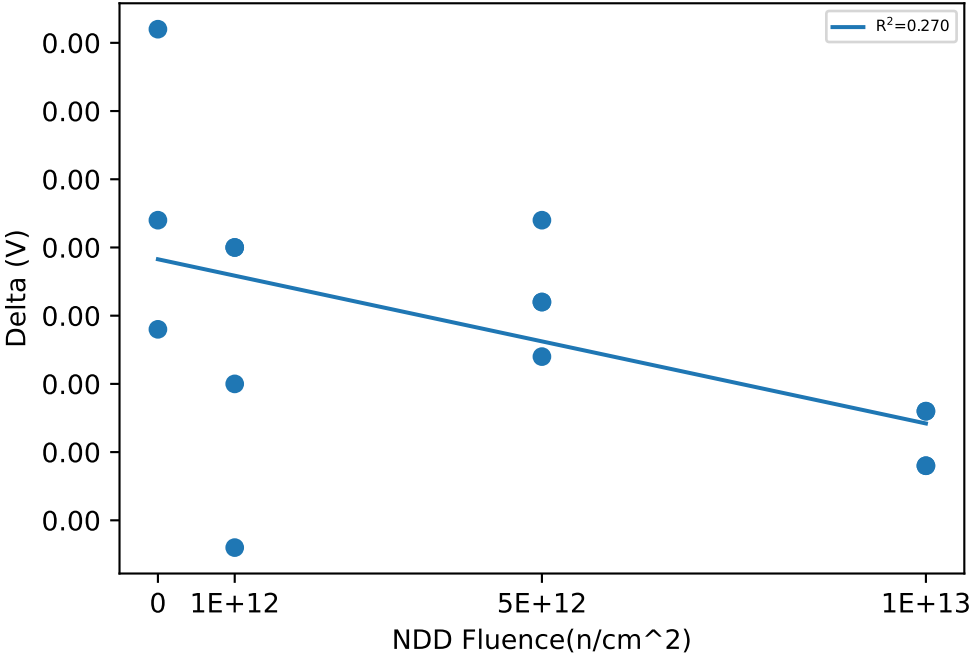
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8568	0.8572	0.0004
314	1e+12	NDD Unbiased	0.8422	0.8432	0.001
315	1e+12	NDD Unbiased	0.8409	0.8424	0.0015
316	1e+12	NDD Unbiased	0.8461	0.8476	0.0015
317	5e+12	NDD Unbiased	0.8541	0.8554	0.0013
318	5e+12	NDD Unbiased	0.8555	0.8571	0.0016
320	5e+12	NDD Unbiased	0.857	0.8581	0.0011
321	5e+12	NDD Unbiased	0.8388	0.8401	0.0013
322	1e+13	NDD Unbiased	0.8514	0.8521	0.0007
323	1e+13	NDD Unbiased	0.8449	0.8458	0.0009
324	1e+13	NDD Unbiased	0.843	0.8437	0.0007
325	1e+13	NDD Unbiased	0.8407	0.8416	0.0009
326	0	Correlation	0.8406	0.8418	0.0012
327	0	Correlation	0.8381	0.8397	0.0016
328	0	Correlation	0.8393	0.8416	0.0023

NDD vs Post - Pre Exposure Delta

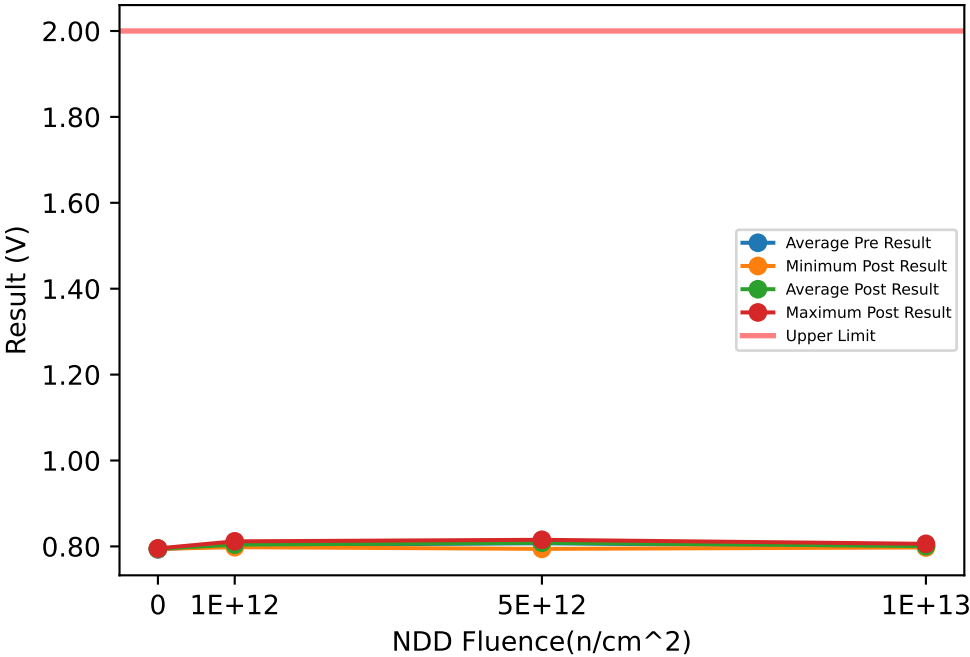


Test Statistics (V)

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	0.8381	0.83933	0.8406	0.0012503	0.8397	0.84103	0.8418	0.001159	0.0012	0.0017	0.0023	0.00055678
1e+12	0.8409	0.8465	0.8568	0.0072134	0.8424	0.8476	0.8572	0.0067961	0.0004	0.0011	0.0015	0.00052281
5e+12	0.8388	0.85135	0.857	0.00845	0.8401	0.85267	0.8581	0.0084571	0.0011	0.001325	0.0016	0.00020616
1e+13	0.8407	0.845	0.8514	0.0045993	0.8416	0.8458	0.8521	0.0045365	0.0007	0.0008	0.0009	0.00011547

Device Test: 6.104; VOL_WDO_10MA_OD

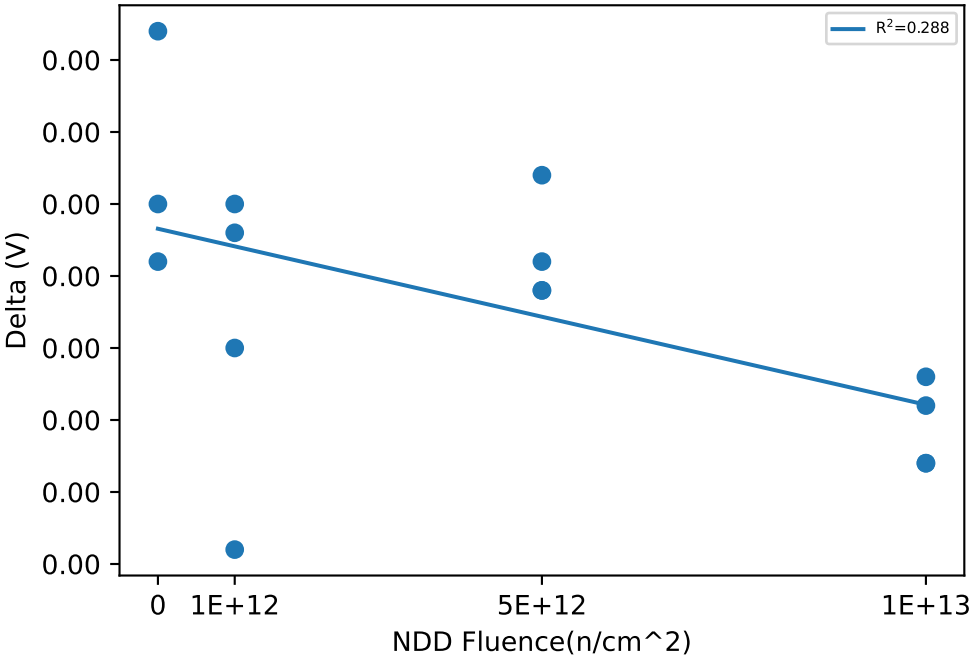
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8115	0.8118	0.0003
314	1e+12	NDD Unbiased	0.7997	0.8007	0.001
315	1e+12	NDD Unbiased	0.7967	0.7982	0.0015
316	1e+12	NDD Unbiased	0.8043	0.8057	0.0014
317	5e+12	NDD Unbiased	0.8091	0.8104	0.0013
318	5e+12	NDD Unbiased	0.8138	0.8154	0.0016
320	5e+12	NDD Unbiased	0.813	0.8142	0.0012
321	5e+12	NDD Unbiased	0.7931	0.7943	0.0012
322	1e+13	NDD Unbiased	0.8054	0.806	0.0006
323	1e+13	NDD Unbiased	0.7991	0.8	0.0009
324	1e+13	NDD Unbiased	0.7983	0.7989	0.0006
325	1e+13	NDD Unbiased	0.7967	0.7975	0.0008
326	0	Correlation	0.7933	0.7946	0.0013
327	0	Correlation	0.7938	0.7953	0.0015
328	0	Correlation	0.792	0.7941	0.0021

NDD vs Post - Pre Exposure Delta

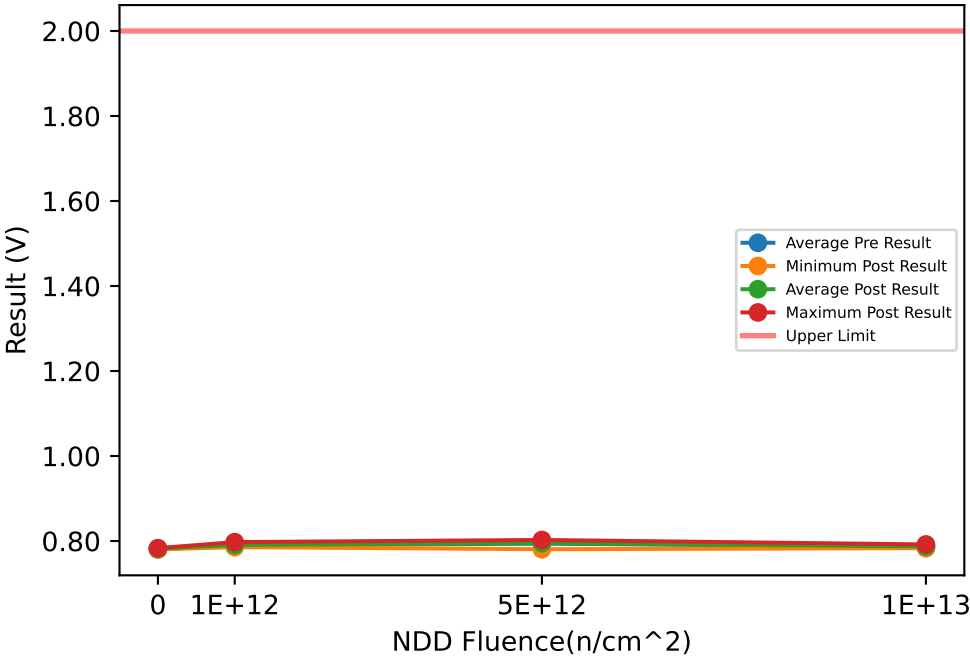


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.792	0.79303	0.7938	0.00092916	0.7941	0.79467	0.7953	0.00060277	0.0013	0.0016333	0.0021	0.00041633
1e+12	0.7967	0.80305	0.8115	0.0064423	0.7982	0.8041	0.8118	0.0060061	0.0003	0.00105	0.0015	0.00054467
5e+12	0.7931	0.80725	0.8138	0.0096542	0.7943	0.80858	0.8154	0.0097524	0.0012	0.001325	0.0016	0.0001893
1e+13	0.7967	0.79988	0.8054	0.0038161	0.7975	0.8006	0.806	0.0037425	0.0006	0.000725	0.0009	0.00015

Device Test: 6.105; VOL_PWRGD_10MA_OD

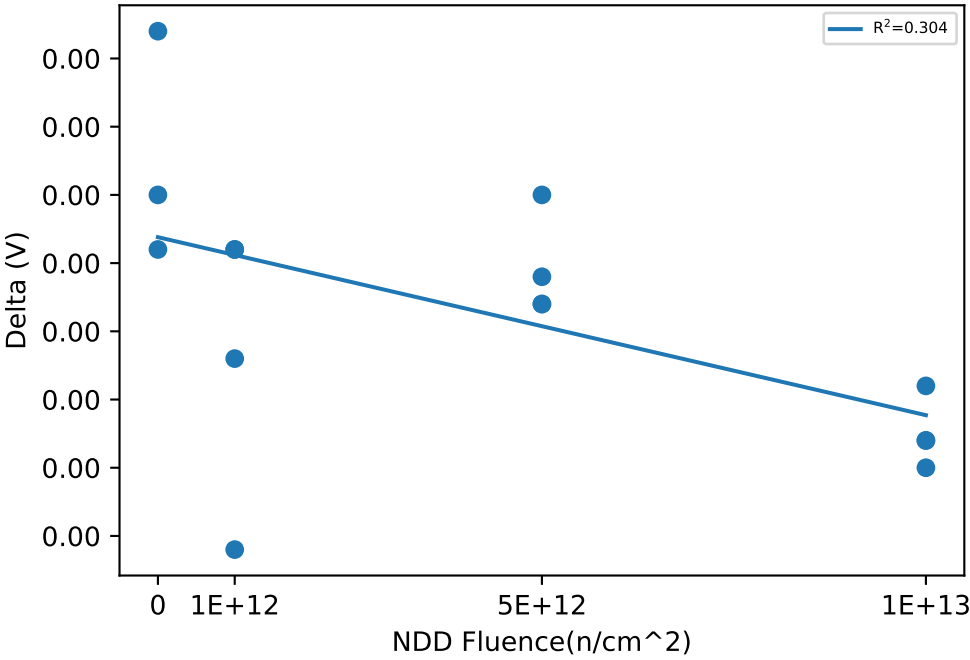
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7973	0.7975	0.0002
314	1e+12	NDD Unbiased	0.7876	0.7885	0.0009
315	1e+12	NDD Unbiased	0.7843	0.7856	0.0013
316	1e+12	NDD Unbiased	0.79	0.7913	0.0013
317	5e+12	NDD Unbiased	0.7958	0.7969	0.0011
318	5e+12	NDD Unbiased	0.801	0.8025	0.0015
320	5e+12	NDD Unbiased	0.7989	0.8001	0.0012
321	5e+12	NDD Unbiased	0.7796	0.7807	0.0011
322	1e+13	NDD Unbiased	0.7914	0.792	0.0006
323	1e+13	NDD Unbiased	0.7872	0.7878	0.0006
324	1e+13	NDD Unbiased	0.7853	0.7858	0.0005
325	1e+13	NDD Unbiased	0.7824	0.7832	0.0008
326	0	Correlation	0.7819	0.7832	0.0013
327	0	Correlation	0.7814	0.7829	0.0015
328	0	Correlation	0.7782	0.7803	0.0021

NDD vs Post - Pre Exposure Delta

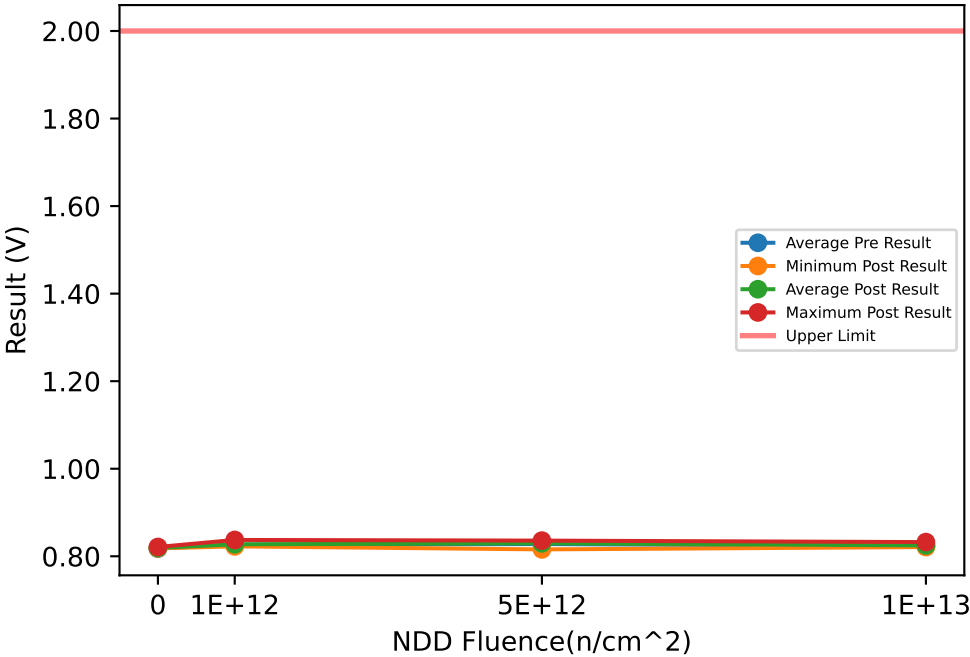


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7782	0.7805	0.7819	0.0020075	0.7803	0.78213	0.7832	0.0015948	0.0013	0.0016333	0.0021	0.00041633
1e+12	0.7843	0.7898	0.7973	0.0055191	0.7856	0.79073	0.7975	0.0050809	0.0002	0.000925	0.0013	0.00051881
5e+12	0.7796	0.79383	0.801	0.0097209	0.7807	0.79505	0.8025	0.0098379	0.0011	0.001225	0.0015	0.0001893
1e+13	0.7824	0.78658	0.7914	0.0037739	0.7832	0.7872	0.792	0.003713	0.0005	0.000625	0.0008	0.00012583

Device Test: 6.106; VOL_RESET_10MA_OD

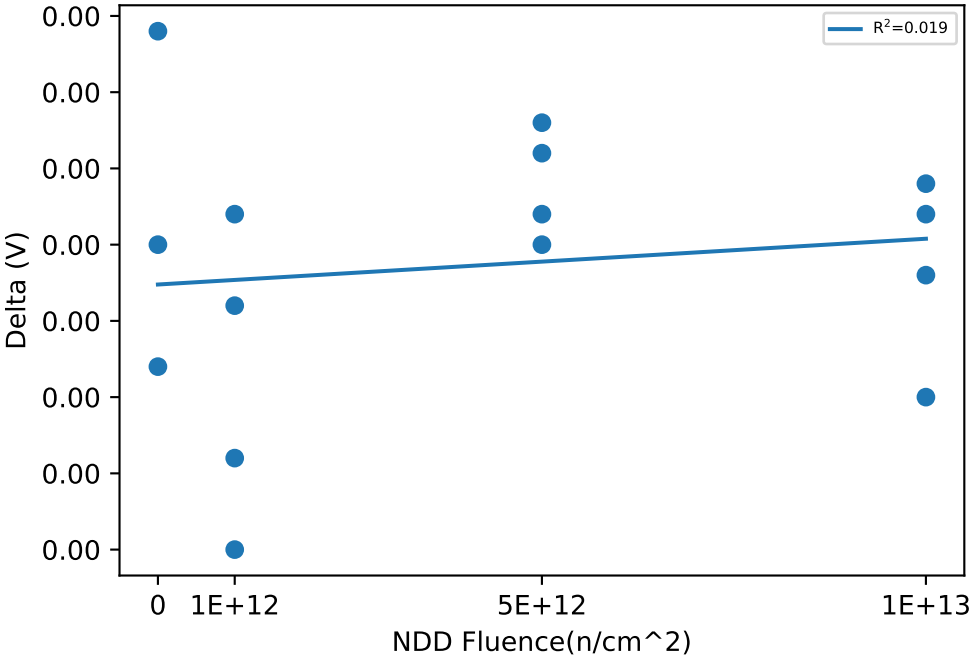
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8368	0.8373	0.0005
314	1e+12	NDD Unbiased	0.8223	0.8231	0.0008
315	1e+12	NDD Unbiased	0.8213	0.8226	0.0013
316	1e+12	NDD Unbiased	0.8249	0.8265	0.0016
317	5e+12	NDD Unbiased	0.8342	0.8358	0.0016
318	5e+12	NDD Unbiased	0.8307	0.8326	0.0019
320	5e+12	NDD Unbiased	0.8325	0.8343	0.0018
321	5e+12	NDD Unbiased	0.8142	0.8157	0.0015
322	1e+13	NDD Unbiased	0.8314	0.8324	0.001
323	1e+13	NDD Unbiased	0.8229	0.8243	0.0014
324	1e+13	NDD Unbiased	0.8194	0.821	0.0016
325	1e+13	NDD Unbiased	0.8199	0.8216	0.0017
326	0	Correlation	0.817	0.8181	0.0011
327	0	Correlation	0.8166	0.8181	0.0015
328	0	Correlation	0.819	0.8212	0.0022

NDD vs Post - Pre Exposure Delta

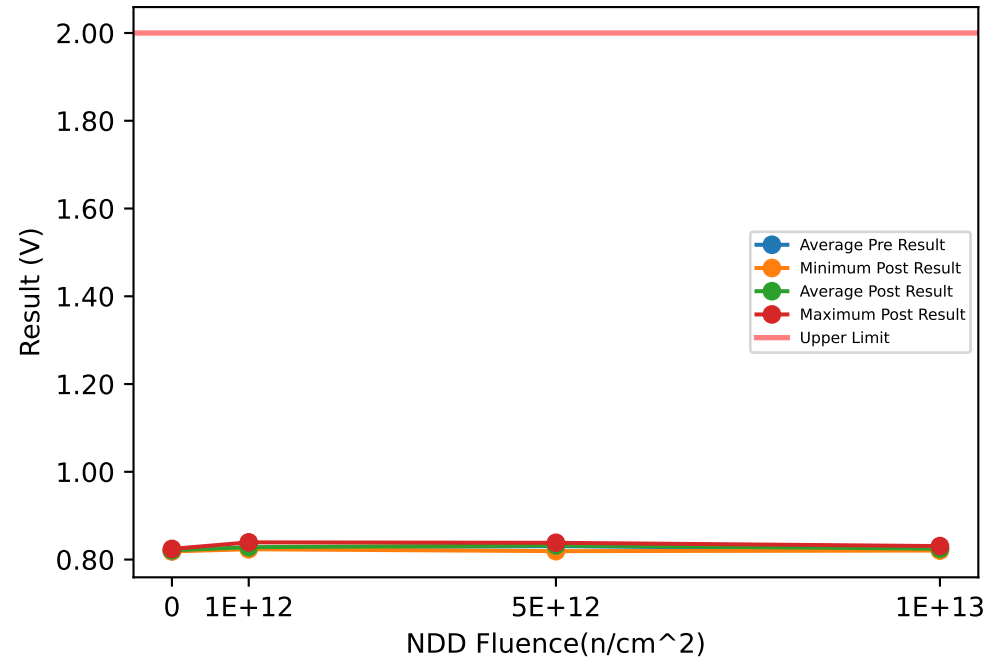


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8166	0.81753	0.819	0.0012858	0.8181	0.81913	0.8212	0.0017898	0.0011	0.0016	0.0022	0.00055678
1e+12	0.8213	0.82632	0.8368	0.0071463	0.8226	0.82737	0.8373	0.0068398	0.0005	0.00105	0.0016	0.00049329
5e+12	0.8142	0.8279	0.8342	0.0092445	0.8157	0.8296	0.8358	0.0093584	0.0015	0.0017	0.0019	0.00018257
1e+13	0.8194	0.8234	0.8314	0.0055528	0.821	0.82483	0.8324	0.00525	0.001	0.001425	0.0017	0.00030957

Device Test: 6.107; VOL_RESET_10MA_OD

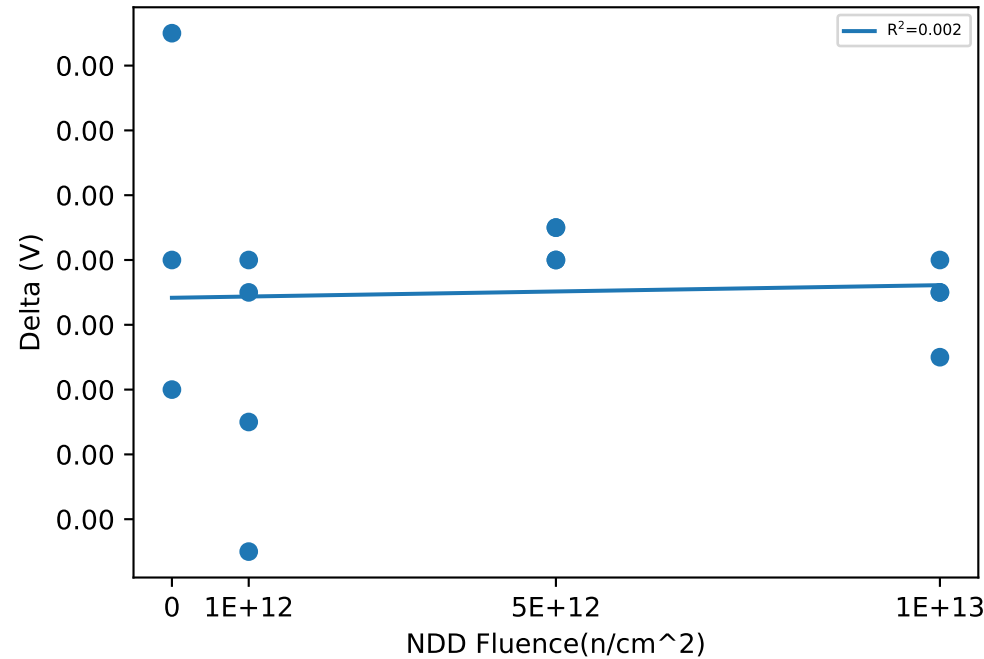
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8385	0.8392	0.0007
314	1e+12	NDD Unbiased	0.8231	0.8242	0.0011
315	1e+12	NDD Unbiased	0.8219	0.8235	0.0016
316	1e+12	NDD Unbiased	0.8244	0.8259	0.0015
317	5e+12	NDD Unbiased	0.8366	0.8382	0.0016
318	5e+12	NDD Unbiased	0.8325	0.8342	0.0017
320	5e+12	NDD Unbiased	0.8357	0.8373	0.0016
321	5e+12	NDD Unbiased	0.8175	0.8192	0.0017
322	1e+13	NDD Unbiased	0.8294	0.8307	0.0013
323	1e+13	NDD Unbiased	0.8233	0.8248	0.0015
324	1e+13	NDD Unbiased	0.8214	0.8229	0.0015
325	1e+13	NDD Unbiased	0.8189	0.8205	0.0016
326	0	Correlation	0.8174	0.8186	0.0012
327	0	Correlation	0.8227	0.8243	0.0016
328	0	Correlation	0.8181	0.8204	0.0023

NDD vs Post - Pre Exposure Delta

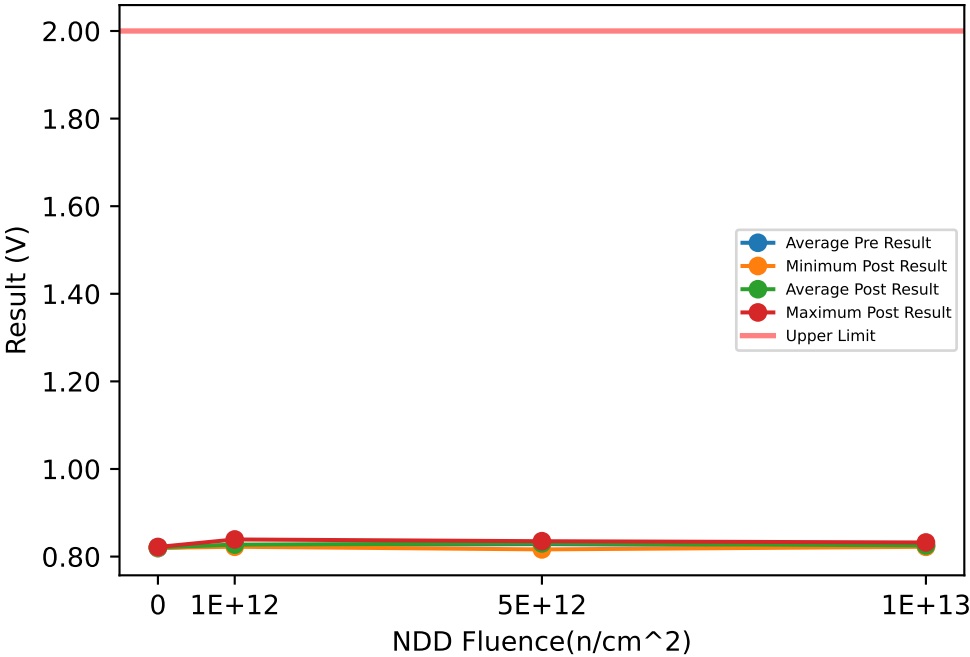


Test Statistics (V)

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	0.8174	0.8194	0.8227	0.0028792	0.8186	0.8211	0.8243	0.0029138	0.0012	0.0017	0.0023	0.00055678
1e+12	0.8219	0.82698	0.8385	0.0077509	0.8235	0.8282	0.8392	0.0074023	0.0007	0.001225	0.0016	0.0004113
5e+12	0.8175	0.83058	0.8366	0.0088925	0.8192	0.83222	0.8382	0.0088508	0.0016	0.00165	0.0017	5.7735e-05
1e+13	0.8189	0.82325	0.8294	0.0044785	0.8205	0.82472	0.8307	0.0043546	0.0013	0.001475	0.0016	0.00012583

Device Test: 6.108; VOL_RESET_10MA_OD

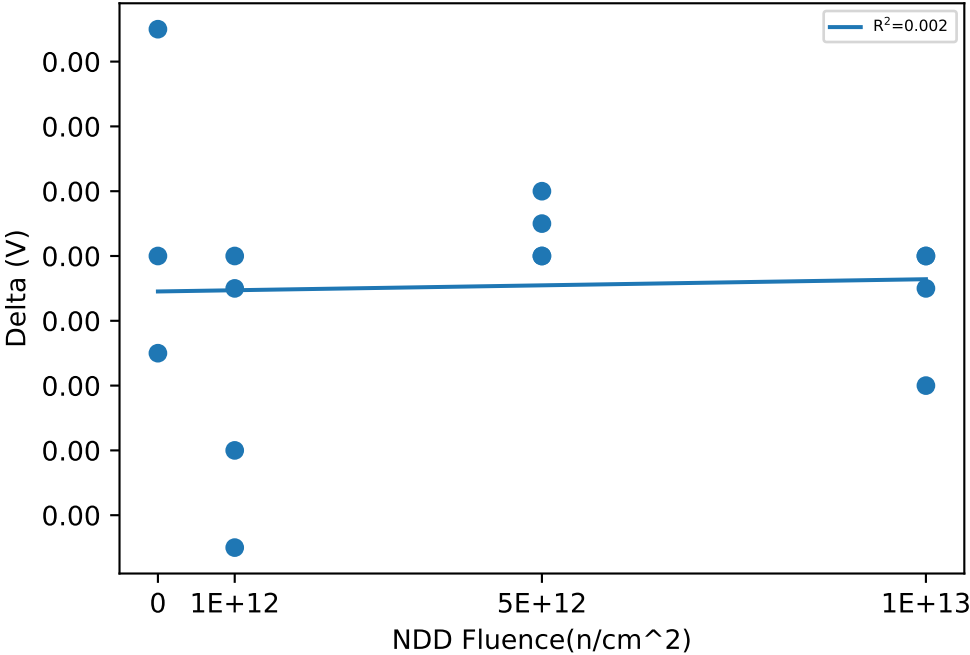
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8384	0.8391	0.0007
314	1e+12	NDD Unbiased	0.8214	0.8224	0.001
315	1e+12	NDD Unbiased	0.8217	0.8233	0.0016
316	1e+12	NDD Unbiased	0.8229	0.8244	0.0015
317	5e+12	NDD Unbiased	0.8329	0.8346	0.0017
318	5e+12	NDD Unbiased	0.8327	0.8345	0.0018
320	5e+12	NDD Unbiased	0.8335	0.8351	0.0016
321	5e+12	NDD Unbiased	0.8148	0.8164	0.0016
322	1e+13	NDD Unbiased	0.831	0.8322	0.0012
323	1e+13	NDD Unbiased	0.8232	0.8247	0.0015
324	1e+13	NDD Unbiased	0.821	0.8226	0.0016
325	1e+13	NDD Unbiased	0.8207	0.8223	0.0016
326	0	Correlation	0.8206	0.8219	0.0013
327	0	Correlation	0.8199	0.8215	0.0016
328	0	Correlation	0.8176	0.8199	0.0023

NDD vs Post - Pre Exposure Delta

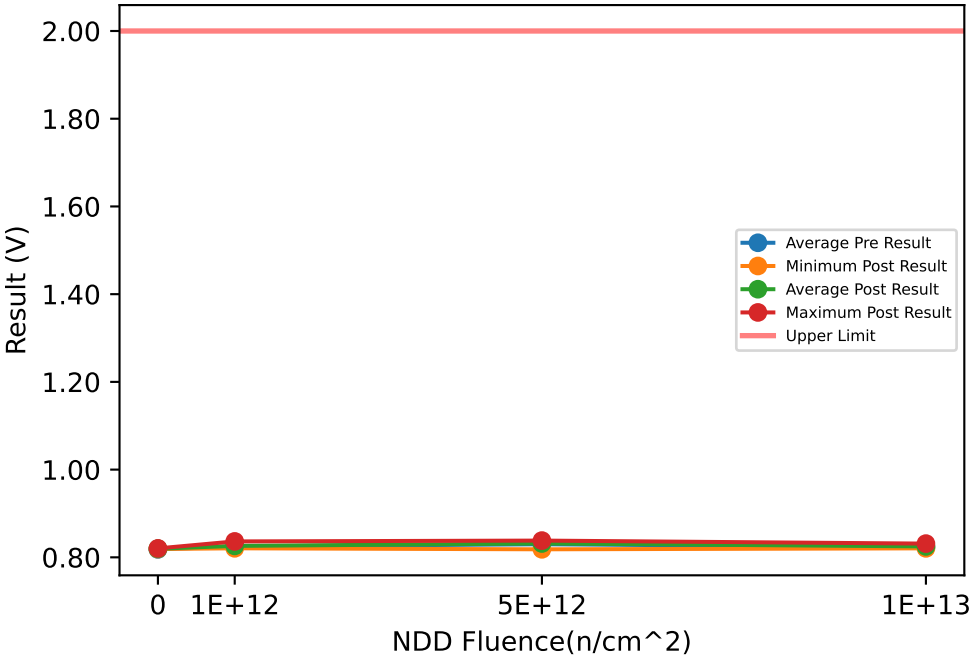


Test Statistics (V)

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	0.8176	0.81937	0.8206	0.0015695	0.8199	0.8211	0.8219	0.0010583	0.0013	0.0017333	0.0023	0.00051316
1e+12	0.8214	0.8261	0.8384	0.0082256	0.8224	0.8273	0.8391	0.0079091	0.0007	0.0012	0.0016	0.00042426
5e+12	0.8148	0.82847	0.8335	0.009123	0.8164	0.83015	0.8351	0.0091704	0.0016	0.001675	0.0018	9.5743e-05
1e+13	0.8207	0.82398	0.831	0.0048141	0.8223	0.82545	0.8322	0.0046249	0.0012	0.001475	0.0016	0.0001893

Device Test: 6.109; VOL_RESET_10MA_OD

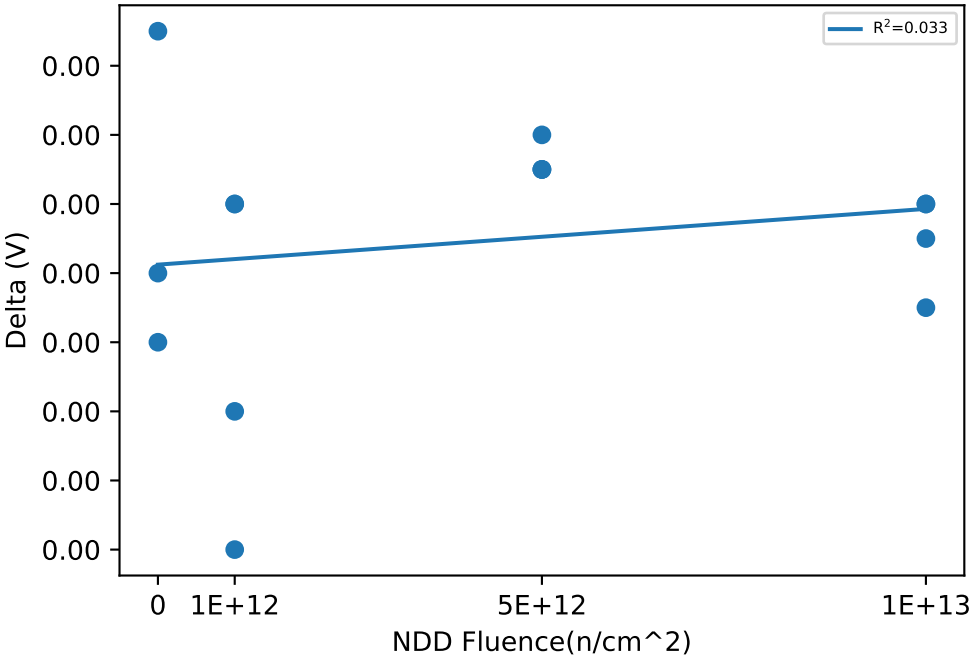
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8357	0.8363	0.0006
314	1e+12	NDD Unbiased	0.8206	0.8216	0.001
315	1e+12	NDD Unbiased	0.819	0.8206	0.0016
316	1e+12	NDD Unbiased	0.8242	0.8258	0.0016
317	5e+12	NDD Unbiased	0.833	0.8347	0.0017
318	5e+12	NDD Unbiased	0.8334	0.8352	0.0018
320	5e+12	NDD Unbiased	0.8365	0.8382	0.0017
321	5e+12	NDD Unbiased	0.8166	0.8183	0.0017
322	1e+13	NDD Unbiased	0.83	0.8313	0.0013
323	1e+13	NDD Unbiased	0.8239	0.8255	0.0016
324	1e+13	NDD Unbiased	0.8208	0.8223	0.0015
325	1e+13	NDD Unbiased	0.8189	0.8205	0.0016
326	0	Correlation	0.8184	0.8196	0.0012
327	0	Correlation	0.8176	0.819	0.0014
328	0	Correlation	0.8183	0.8204	0.0021

NDD vs Post - Pre Exposure Delta

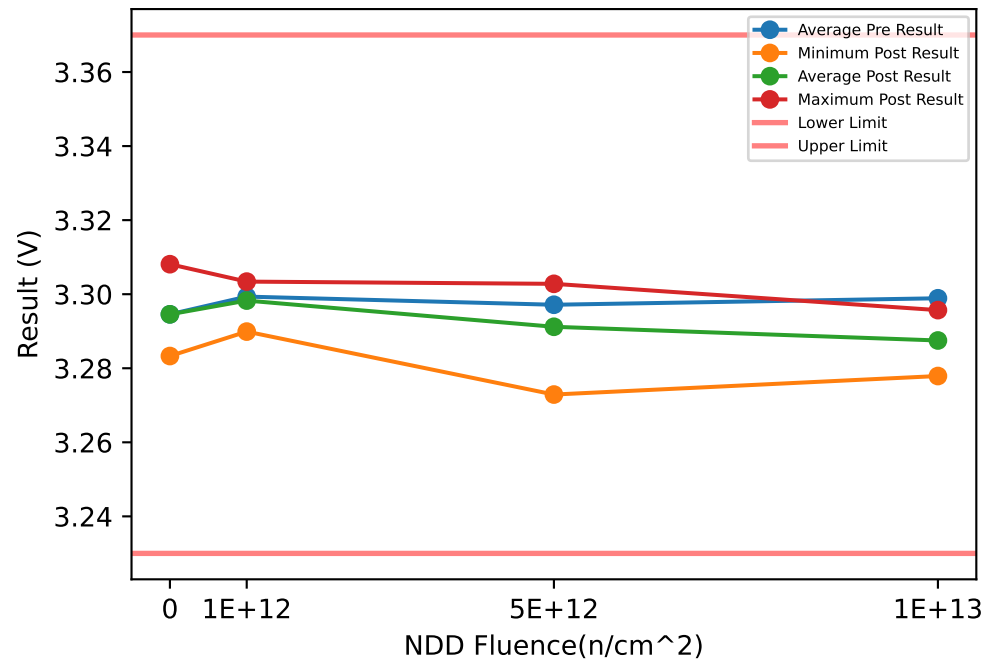


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8176	0.8181	0.8184	0.00043589	0.819	0.81967	0.8204	0.00070238	0.0012	0.0015667	0.0021	0.00047258
1e+12	0.819	0.82488	0.8357	0.0075372	0.8206	0.82608	0.8363	0.0071793	0.0006	0.0012	0.0016	0.0004899
5e+12	0.8166	0.82988	0.8365	0.0089872	0.8183	0.8316	0.8382	0.0090004	0.0017	0.001725	0.0018	5e-05
1e+13	0.8189	0.8234	0.83	0.0048587	0.8205	0.8249	0.8313	0.0047413	0.0013	0.0015	0.0016	0.00014142

Device Test: 6.11; VLDO_REG

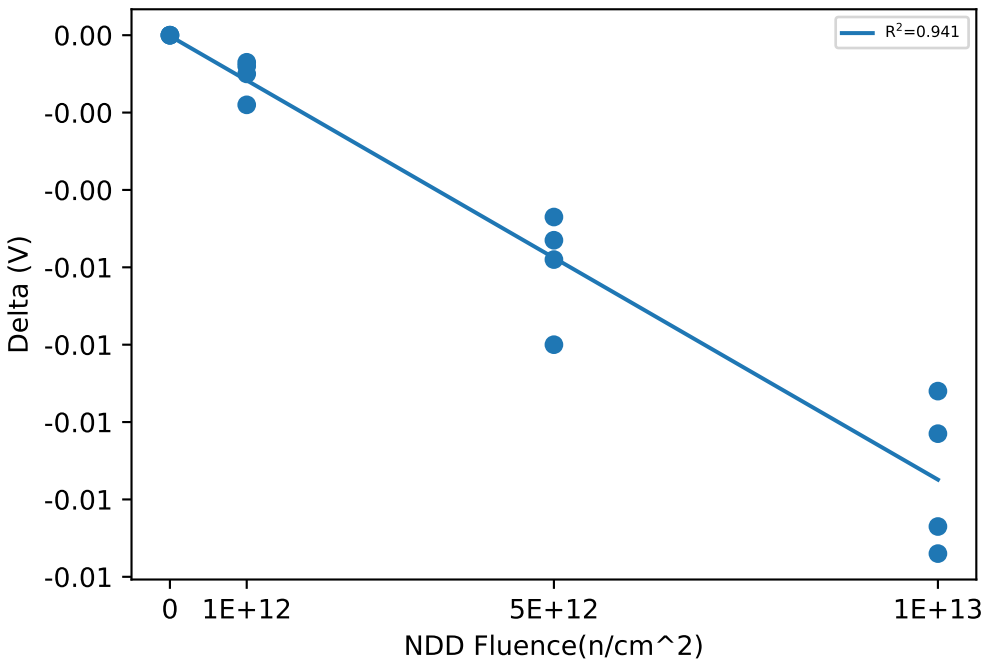
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3.2917	3.2899	-0.0018
314	1e+12	NDD Unbiased	3.2987	3.2979	-0.0008
315	1e+12	NDD Unbiased	3.3044	3.3034	-0.001
316	1e+12	NDD Unbiased	3.3026	3.3019	-0.0007
317	5e+12	NDD Unbiased	3.2923	3.2876	-0.0047
318	5e+12	NDD Unbiased	3.3086	3.3028	-0.0058
320	5e+12	NDD Unbiased	3.2809	3.2729	-0.008
321	5e+12	NDD Unbiased	3.3068	3.3015	-0.0053
322	1e+13	NDD Unbiased	3.2957	3.2865	-0.0092
323	1e+13	NDD Unbiased	3.2882	3.2779	-0.0103
324	1e+13	NDD Unbiased	3.3091	3.2957	-0.0134
325	1e+13	NDD Unbiased	3.3026	3.2899	-0.0127
326	0	Correlation	3.3081	3.3081	0
327	0	Correlation	3.2833	3.2833	0
328	0	Correlation	3.2923	3.2923	0

NDD vs Post - Pre Exposure Delta

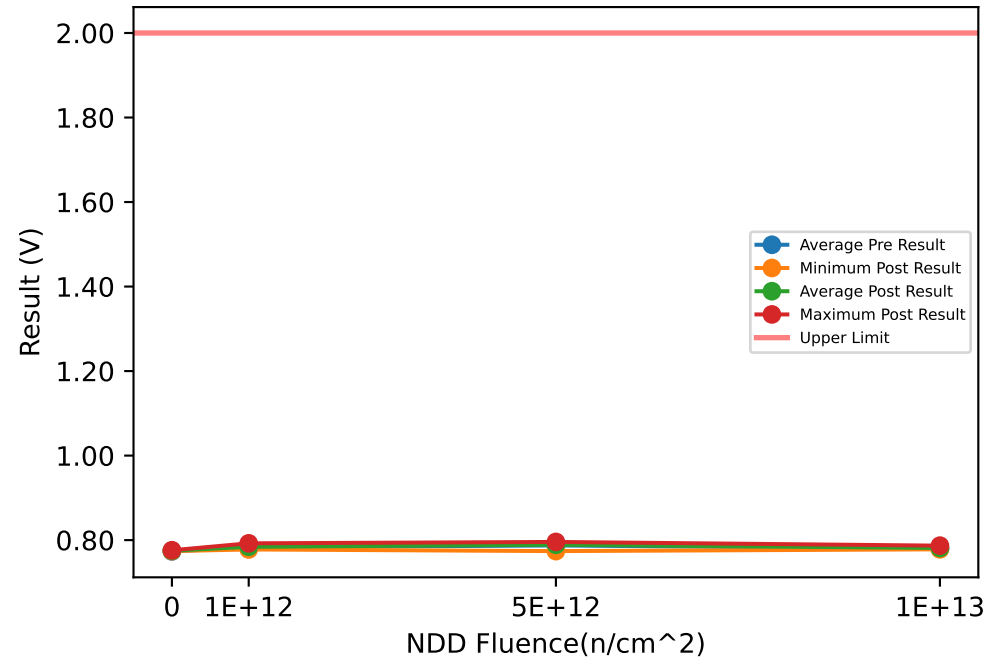


Test Statistics (V)

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	3.2833	3.2946	3.3081	0.012554	3.2833	3.2946	3.3081	0.012554	0	0	0	0
1e+12	3.2917	3.2994	3.3044	0.0056276	3.2899	3.2983	3.3034	0.0060467	-0.0018	-0.001075	-0.0007	0.00049917
5e+12	3.2809	3.2972	3.3086	0.013062	3.2729	3.2912	3.3028	0.014006	-0.008	-0.00595	-0.0047	0.0014387
1e+13	3.2882	3.2989	3.3091	0.00899	3.2779	3.2875	3.2957	0.0074422	-0.0134	-0.0114	-0.0092	0.0019782

Device Test: 6.110; VOL_WDO_10MA_OD

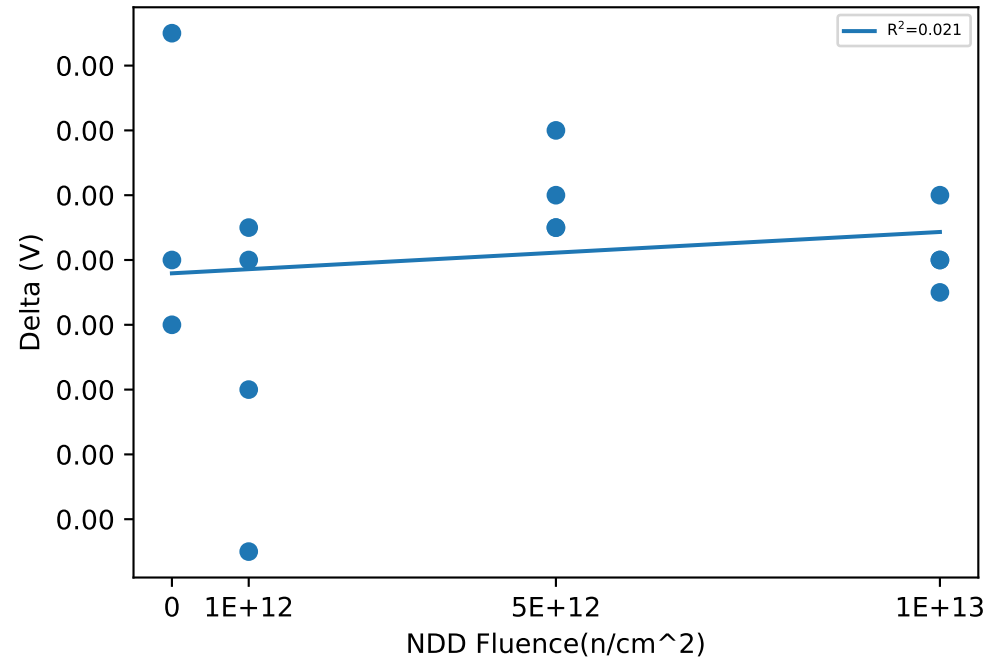
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7919	0.7924	0.0005
314	1e+12	NDD Unbiased	0.7798	0.7808	0.001
315	1e+12	NDD Unbiased	0.7764	0.7779	0.0015
316	1e+12	NDD Unbiased	0.784	0.7854	0.0014
317	5e+12	NDD Unbiased	0.7896	0.7911	0.0015
318	5e+12	NDD Unbiased	0.7934	0.7952	0.0018
320	5e+12	NDD Unbiased	0.7941	0.7957	0.0016
321	5e+12	NDD Unbiased	0.7725	0.774	0.0015
322	1e+13	NDD Unbiased	0.7856	0.7869	0.0013
323	1e+13	NDD Unbiased	0.7799	0.7813	0.0014
324	1e+13	NDD Unbiased	0.7778	0.7792	0.0014
325	1e+13	NDD Unbiased	0.7766	0.7782	0.0016
326	0	Correlation	0.7728	0.774	0.0012
327	0	Correlation	0.7746	0.776	0.0014
328	0	Correlation	0.7725	0.7746	0.0021

NDD vs Post - Pre Exposure Delta

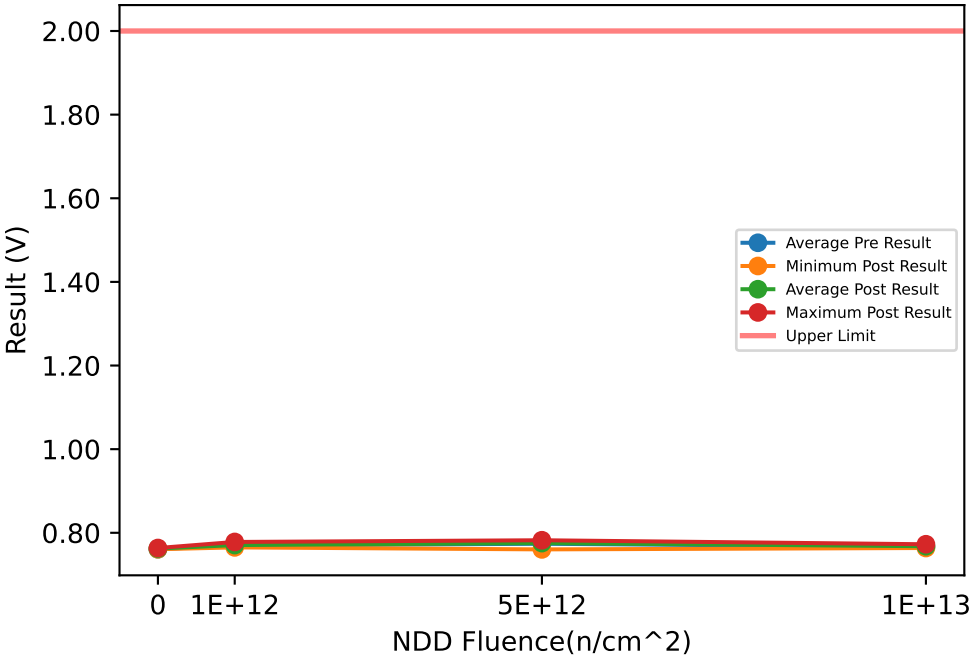


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7725	0.7733	0.7746	0.0011358	0.774	0.77487	0.776	0.0010263	0.0012	0.0015667	0.0021	0.00047258
1e+12	0.7764	0.78303	0.7919	0.0066835	0.7779	0.78412	0.7924	0.0063221	0.0005	0.0011	0.0015	0.00045461
5e+12	0.7725	0.7874	0.7941	0.010128	0.774	0.789	0.7957	0.01021	0.0015	0.0016	0.0018	0.00014142
1e+13	0.7766	0.77997	0.7856	0.0039903	0.7782	0.7814	0.7869	0.0038876	0.0013	0.001425	0.0016	0.00012583

Device Test: 6.111; VOL_PWRGD_10MA_OD

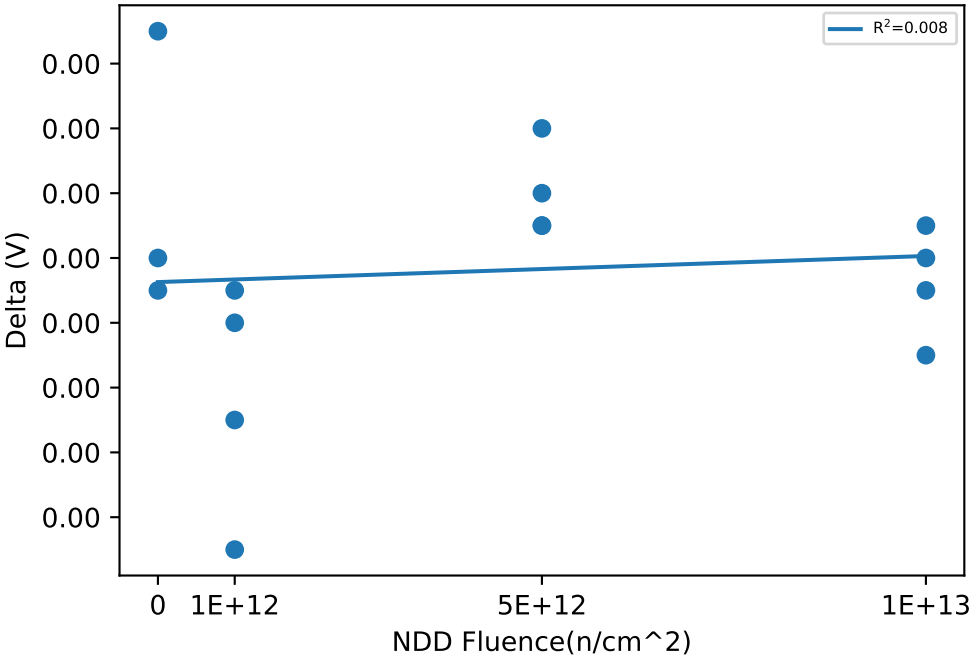
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7776	0.7781	0.0005
314	1e+12	NDD Unbiased	0.7675	0.7684	0.0009
315	1e+12	NDD Unbiased	0.7638	0.7651	0.0013
316	1e+12	NDD Unbiased	0.7697	0.7709	0.0012
317	5e+12	NDD Unbiased	0.7761	0.7777	0.0016
318	5e+12	NDD Unbiased	0.7804	0.7822	0.0018
320	5e+12	NDD Unbiased	0.7799	0.7814	0.0015
321	5e+12	NDD Unbiased	0.7588	0.7603	0.0015
322	1e+13	NDD Unbiased	0.7715	0.7726	0.0011
323	1e+13	NDD Unbiased	0.7678	0.7693	0.0015
324	1e+13	NDD Unbiased	0.7646	0.7659	0.0013
325	1e+13	NDD Unbiased	0.7622	0.7636	0.0014
326	0	Correlation	0.7613	0.7626	0.0013
327	0	Correlation	0.7622	0.7636	0.0014
328	0	Correlation	0.7586	0.7607	0.0021

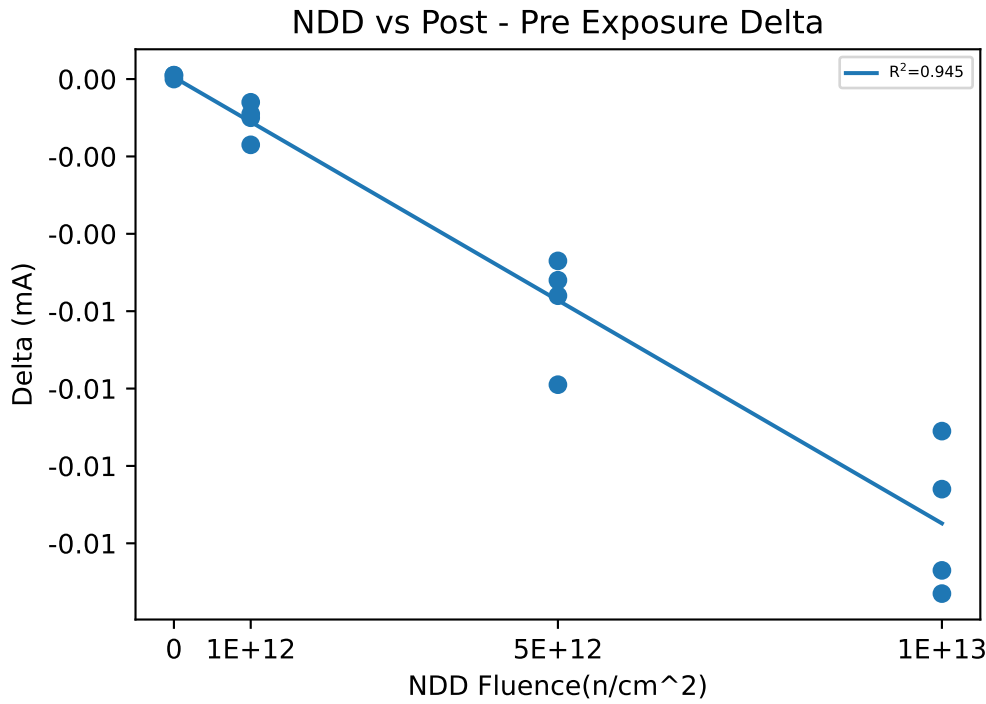
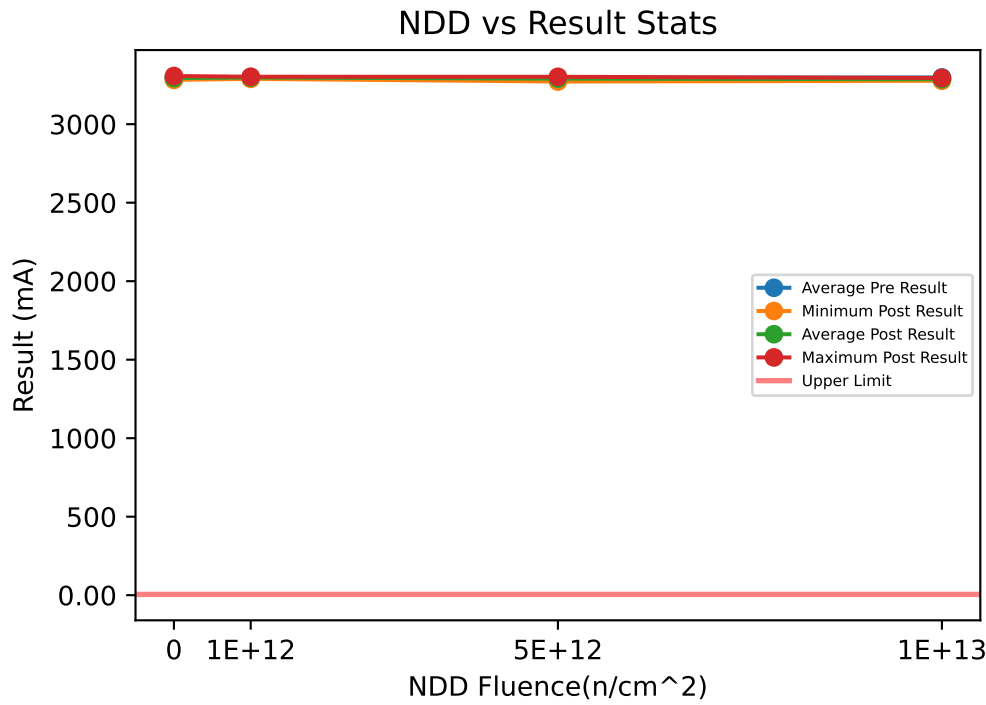
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7586	0.7607	0.7622	0.0018735	0.7607	0.7623	0.7636	0.0014731	0.0013	0.0016	0.0021	0.00043589
1e+12	0.7638	0.76965	0.7776	0.0058324	0.7651	0.77063	0.7781	0.0055205	0.0005	0.000975	0.0013	0.0003594
5e+12	0.7588	0.7738	0.7804	0.010183	0.7603	0.7754	0.7822	0.010256	0.0015	0.0016	0.0018	0.00014142
1e+13	0.7622	0.76653	0.7715	0.0040327	0.7636	0.76785	0.7726	0.0039383	0.0011	0.001325	0.0015	0.00017078

Device Test: 6.12; VLDO_I_MAX



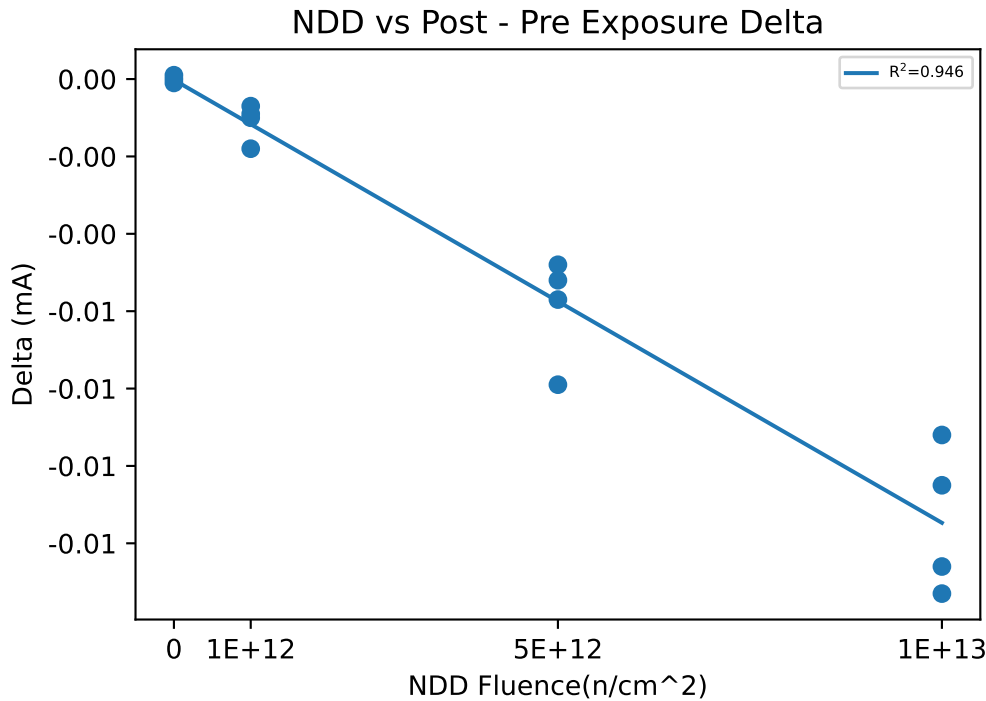
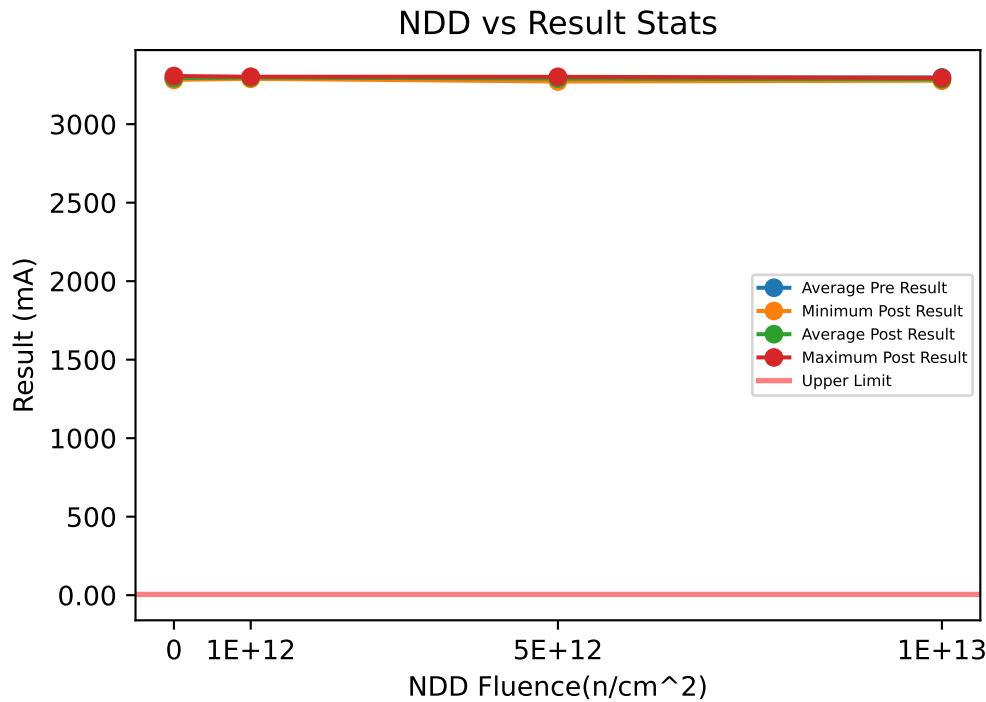
Test Results (Upper Limit = 5.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3290.4	3288.7	-0.0017
314	1e+12	NDD Unbiased	3297.6	3296.7	-0.0009
315	1e+12	NDD Unbiased	3303.2	3302.2	-0.001
316	1e+12	NDD Unbiased	3301.4	3300.8	-0.0006
317	5e+12	NDD Unbiased	3291	3286.3	-0.0047
318	5e+12	NDD Unbiased	3307.3	3301.7	-0.0056
320	5e+12	NDD Unbiased	3279.5	3271.6	-0.0079
321	5e+12	NDD Unbiased	3305.4	3300.2	-0.0052
322	1e+13	NDD Unbiased	3294.7	3285.6	-0.0091
323	1e+13	NDD Unbiased	3287.1	3276.5	-0.0106
324	1e+13	NDD Unbiased	3307.7	3294.4	-0.0133
325	1e+13	NDD Unbiased	3301.4	3288.7	-0.0127
326	0	Correlation	3306.9	3306.9	0
327	0	Correlation	3282	3282.1	0.0001
328	0	Correlation	3291.1	3291.2	0.0001

Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3282	3293.3	3306.9	12.599	3282.1	3293.4	3306.9	12.546	0	6.6667e-05	0.0001	5.7735e-05
1e+12	3290.4	3298.2	3303.2	5.6695	3288.7	3297.1	3302.2	6.0668	-0.0017	-0.00105	-0.0006	0.00046547
5e+12	3279.5	3295.8	3307.3	13.078	3271.6	3289.9	3301.7	14.061	-0.0079	-0.00585	-0.0047	0.0014154
1e+13	3287.1	3297.7	3307.7	8.8515	3276.5	3286.3	3294.4	7.4811	-0.0133	-0.011425	-0.0091	0.0019346

Device Test: 6.13; VLDO_I_MAX



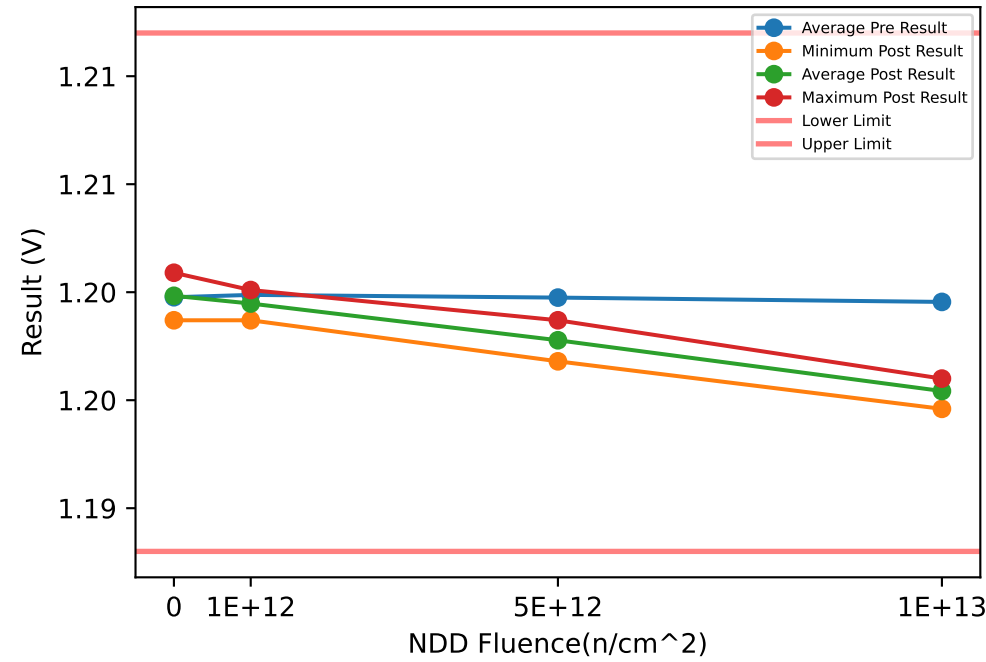
Test Results (Upper Limit = 5.0 (mA))					
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	3290.5	3288.7	-0.0018
314	1e+12	NDD Unbiased	3297.7	3296.8	-0.0009
315	1e+12	NDD Unbiased	3303.2	3302.2	-0.001
316	1e+12	NDD Unbiased	3301.5	3300.8	-0.0007
317	5e+12	NDD Unbiased	3291.2	3286.4	-0.0048
318	5e+12	NDD Unbiased	3307.4	3301.7	-0.0057
320	5e+12	NDD Unbiased	3279.6	3271.7	-0.0079
321	5e+12	NDD Unbiased	3305.5	3300.3	-0.0052
322	1e+13	NDD Unbiased	3294.6	3285.4	-0.0092
323	1e+13	NDD Unbiased	3287.1	3276.6	-0.0105
324	1e+13	NDD Unbiased	3307.8	3294.5	-0.0133
325	1e+13	NDD Unbiased	3301.4	3288.8	-0.0126
326	0	Correlation	3306.8	3306.8	0
327	0	Correlation	3282.1	3282	-0.0001
328	0	Correlation	3291.1	3291.2	0.0001

Test Statistics (mA)

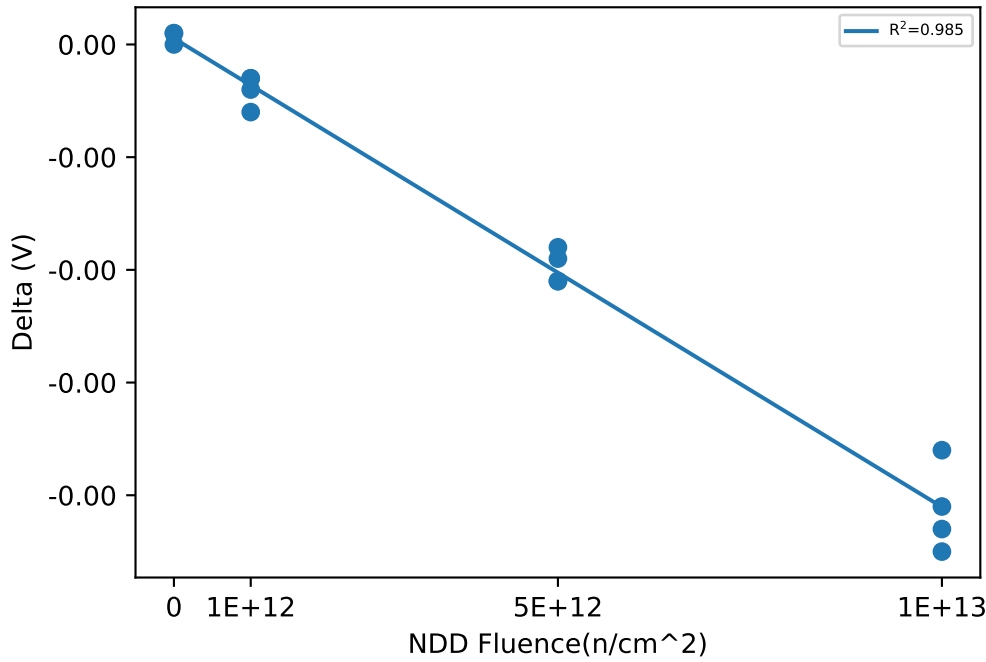
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3282.1	3293.3	3306.8	12.501	3282	3293.3	3306.8	12.537	-0.0001	0	0.0001	0.0001
1e+12	3290.5	3298.2	3303.2	5.64	3288.7	3297.1	3302.2	6.0649	-0.0018	-0.0011	-0.0007	0.00048305
5e+12	3279.6	3295.9	3307.4	13.066	3271.7	3290	3301.7	14.034	-0.0079	-0.0059	-0.0048	0.0013832
1e+13	3287.1	3297.7	3307.8	8.9007	3276.6	3286.3	3294.5	7.4919	-0.0133	-0.0114	-0.0092	0.0018886

Device Test: 6.14; REFCAP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

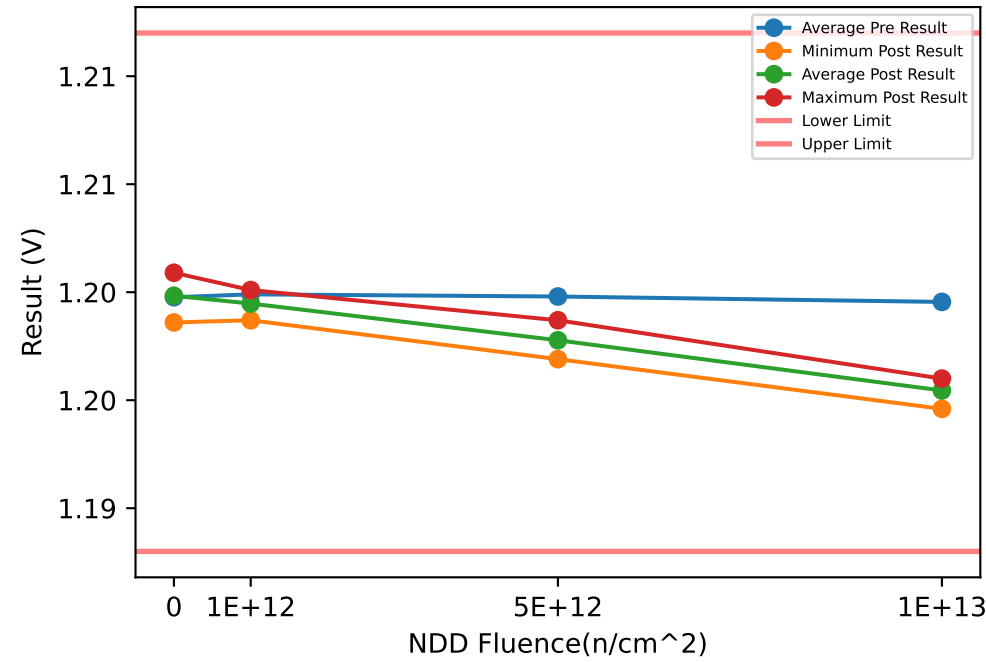
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1993	1.1987	-0.0006
314	1e+12	NDD Unbiased	1.2005	1.2001	-0.0004
315	1e+12	NDD Unbiased	1.1999	1.1996	-0.0003
316	1e+12	NDD Unbiased	1.1998	1.1995	-0.0003
317	5e+12	NDD Unbiased	1.1989	1.1968	-0.0021
318	5e+12	NDD Unbiased	1.2006	1.1987	-0.0019
320	5e+12	NDD Unbiased	1.1999	1.1978	-0.0021
321	5e+12	NDD Unbiased	1.1996	1.1978	-0.0018
322	1e+13	NDD Unbiased	1.1996	1.196	-0.0036
323	1e+13	NDD Unbiased	1.1995	1.1952	-0.0043
324	1e+13	NDD Unbiased	1.1991	1.1946	-0.0045
325	1e+13	NDD Unbiased	1.2	1.1959	-0.0041
326	0	Correlation	1.2008	1.2009	0.0001
327	0	Correlation	1.1986	1.1987	0.0001
328	0	Correlation	1.1999	1.1999	0

Test Statistics (V)

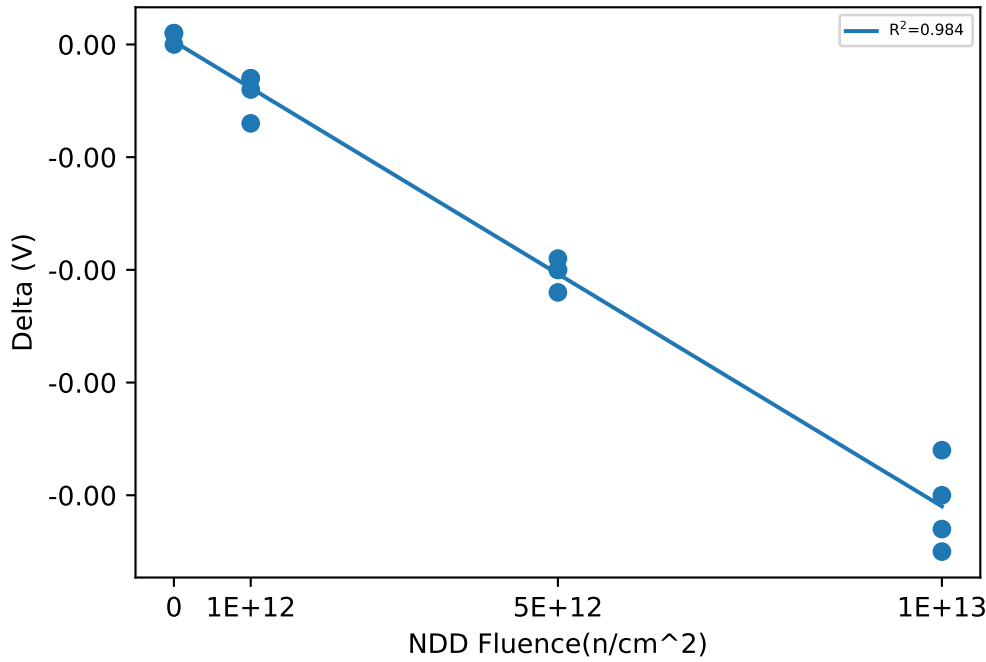
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1986	1.1998	1.2008	0.001106	1.1987	1.1998	1.2009	0.0011015	0	6.6667e-05	0.0001	5.7735e-05
1e+12	1.1993	1.1999	1.2005	0.00049244	1.1987	1.1995	1.2001	0.00057951	-0.0006	-0.0004	-0.0003	0.00014142
5e+12	1.1989	1.1997	1.2006	0.00070475	1.1968	1.1978	1.1987	0.00077621	-0.0021	-0.001975	-0.0018	0.00015
1e+13	1.1991	1.1995	1.2	0.00036968	1.1946	1.1954	1.196	0.00065511	-0.0045	-0.004125	-0.0036	0.00038622

Device Test: 6.15; REFCAP

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

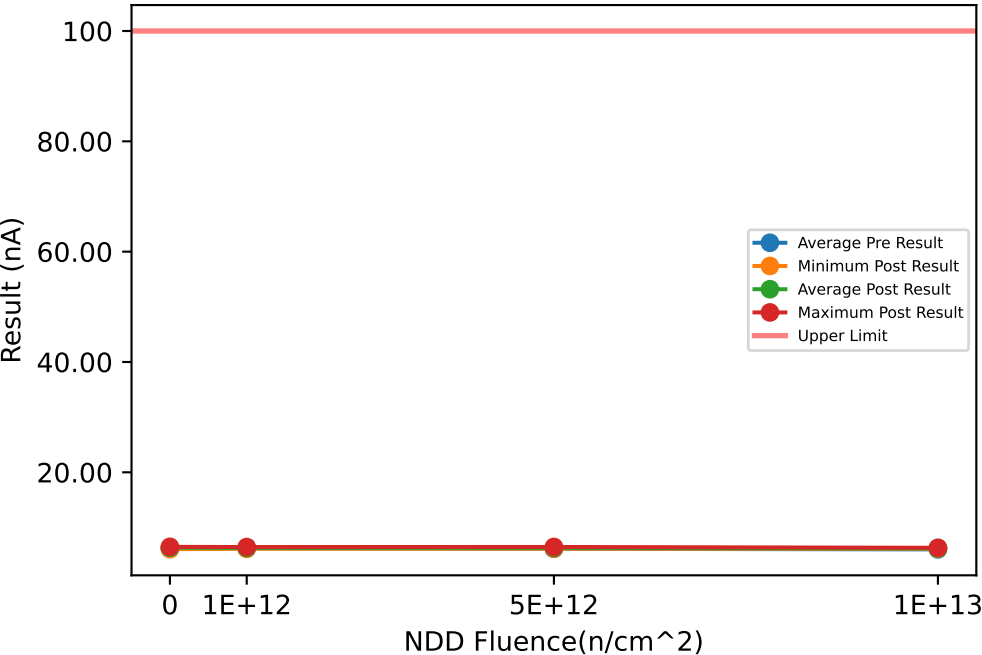
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1994	1.1987	-0.0007
314	1e+12	NDD Unbiased	1.2005	1.2001	-0.0004
315	1e+12	NDD Unbiased	1.1999	1.1996	-0.0003
316	1e+12	NDD Unbiased	1.1998	1.1995	-0.0003
317	5e+12	NDD Unbiased	1.1989	1.1969	-0.002
318	5e+12	NDD Unbiased	1.2007	1.1987	-0.002
320	5e+12	NDD Unbiased	1.2	1.1978	-0.0022
321	5e+12	NDD Unbiased	1.1996	1.1977	-0.0019
322	1e+13	NDD Unbiased	1.1996	1.196	-0.0036
323	1e+13	NDD Unbiased	1.1995	1.1952	-0.0043
324	1e+13	NDD Unbiased	1.1991	1.1946	-0.0045
325	1e+13	NDD Unbiased	1.2	1.196	-0.004
326	0	Correlation	1.2008	1.2009	0.0001
327	0	Correlation	1.1986	1.1986	0
328	0	Correlation	1.1999	1.2	0.0001

Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1986	1.1998	1.2008	0.001106	1.1986	1.1998	1.2009	0.001159	0	6.6667e-05	0.0001	5.7735e-05
1e+12	1.1994	1.1999	1.2005	0.00045461	1.1987	1.1995	1.2001	0.00057951	-0.0007	-0.000425	-0.0003	0.0001893
5e+12	1.1989	1.1998	1.2007	0.00075277	1.1969	1.1978	1.1987	0.00073655	-0.0022	-0.002025	-0.0019	0.00012583
1e+13	1.1991	1.1995	1.2	0.00036968	1.1946	1.1955	1.196	0.00068069	-0.0045	-0.0041	-0.0036	0.00039158

Device Test: 6.16; ILKG_SR_UVLO

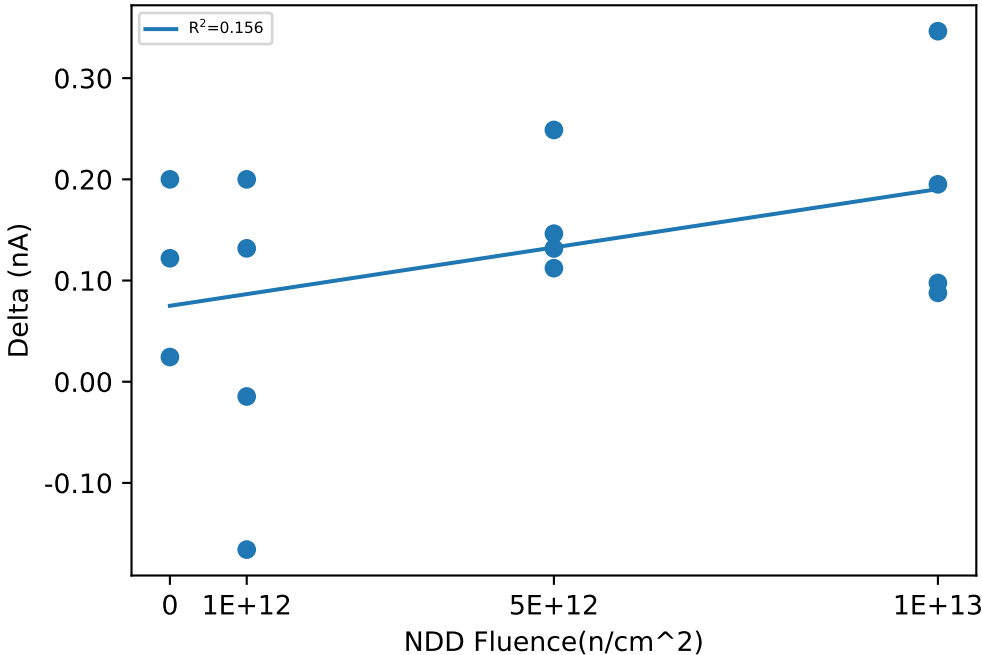
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	6.0779	6.2097	0.1318
314	1e+12	NDD Unbiased	6.2975	6.1316	-0.1659
315	1e+12	NDD Unbiased	6.1121	6.3121	0.2
316	1e+12	NDD Unbiased	6.4682	6.4536	-0.0146
317	5e+12	NDD Unbiased	6.0438	6.1755	0.1317
318	5e+12	NDD Unbiased	6.2194	6.4682	0.2488
320	5e+12	NDD Unbiased	6.0048	6.1511	0.1463
321	5e+12	NDD Unbiased	6.2877	6.3999	0.1122
322	1e+13	NDD Unbiased	6.0536	6.1414	0.0878
323	1e+13	NDD Unbiased	6.0194	6.2145	0.1951
324	1e+13	NDD Unbiased	5.9706	6.317	0.3464
325	1e+13	NDD Unbiased	6.0633	6.1609	0.0976
326	0	Correlation	6.0438	6.0682	0.0244
327	0	Correlation	6.2926	6.4926	0.2
328	0	Correlation	6.3072	6.4292	0.122

NDD vs Post - Pre Exposure Delta

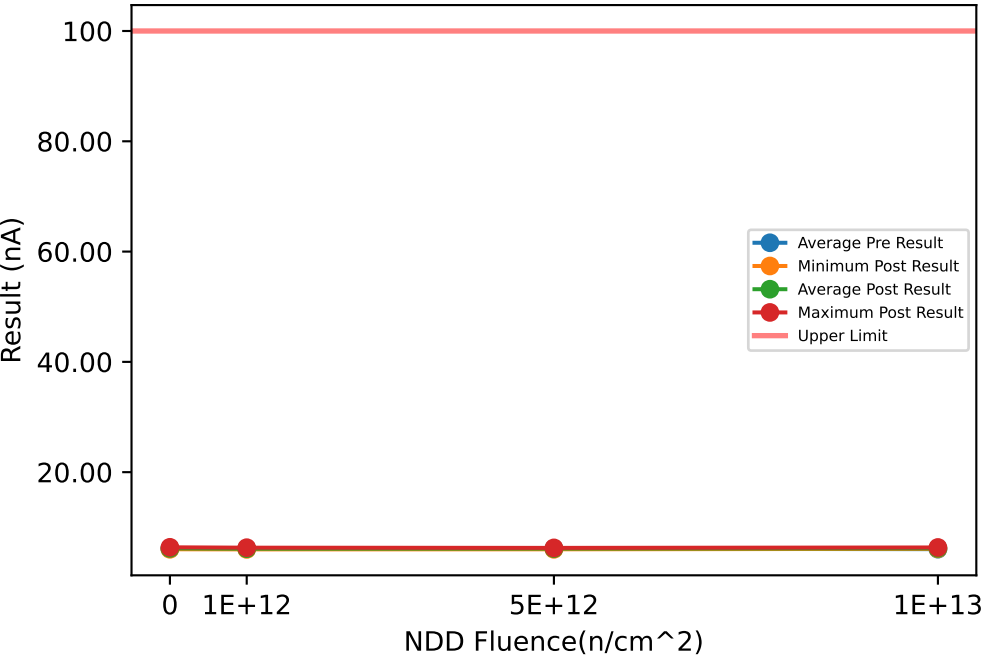


Test Statistics (nA)

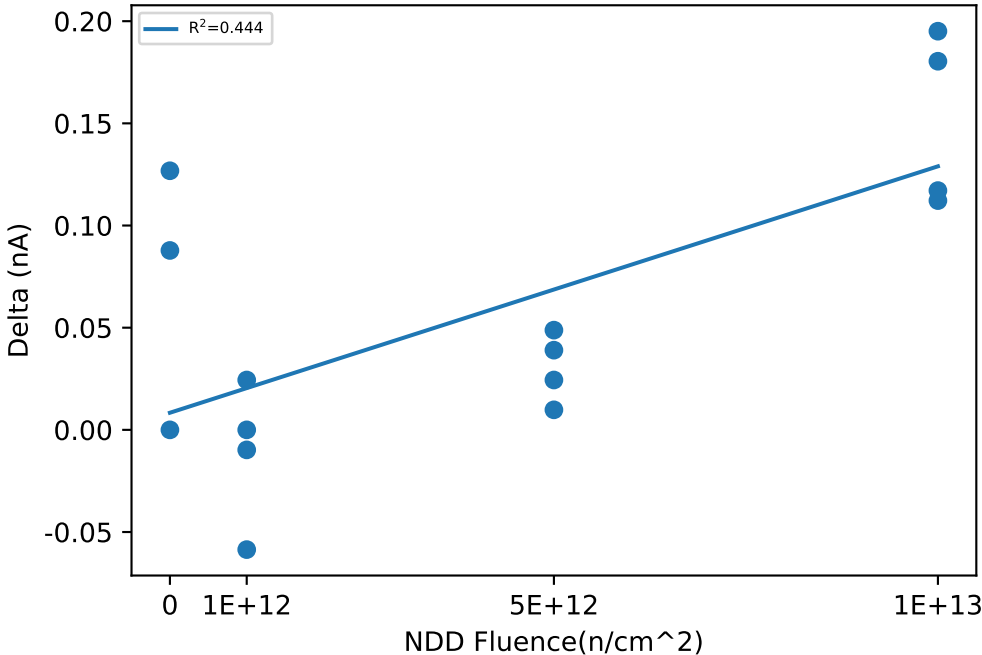
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.0438	6.2145	6.3072	0.14804	6.0682	6.33	6.4926	0.22893	0.0244	0.11547	0.2	0.087982
1e+12	6.0779	6.2389	6.4682	0.18075	6.1316	6.2767	6.4536	0.13915	-0.1659	0.037825	0.2	0.16267
5e+12	6.0048	6.1389	6.2877	0.1362	6.1511	6.2987	6.4682	0.1591	0.1122	0.15975	0.2488	0.060988
1e+13	5.9706	6.0267	6.0633	0.041887	6.1414	6.2085	6.317	0.07869	0.0878	0.18172	0.3464	0.11999

Device Test: 6.17; ILKG_SR_UVLO

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

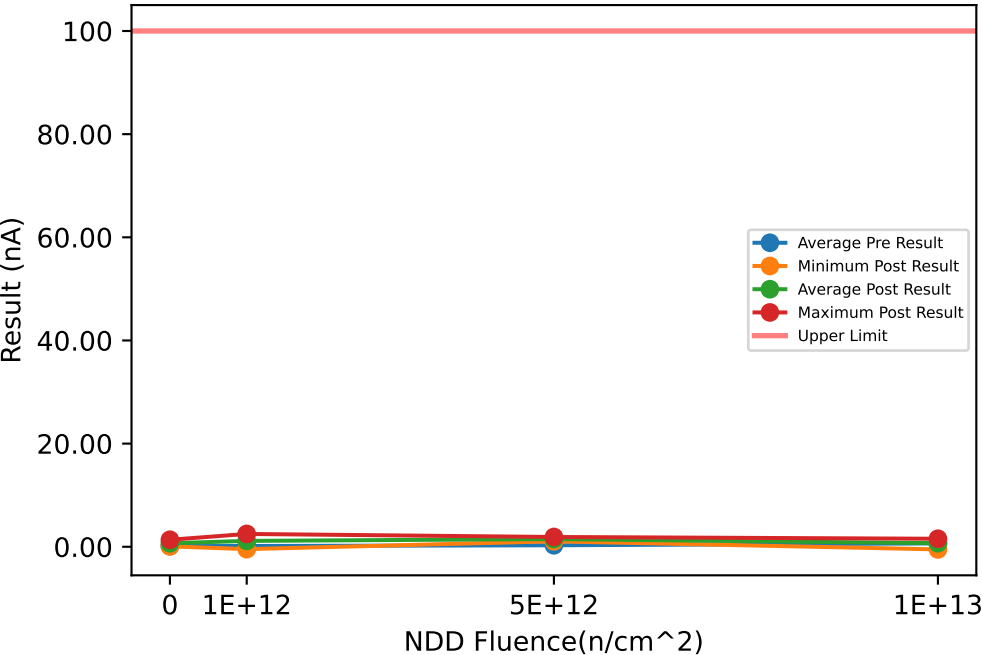
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	6.0536	5.995	-0.0586
314	1e+12	NDD Unbiased	6.117	6.1072	-0.0098
315	1e+12	NDD Unbiased	6.0877	6.1121	0.0244
316	1e+12	NDD Unbiased	6.3072	6.3072	0
317	5e+12	NDD Unbiased	5.9853	6.0097	0.0244
318	5e+12	NDD Unbiased	6.2292	6.2682	0.039
320	5e+12	NDD Unbiased	6.0682	6.117	0.0488
321	5e+12	NDD Unbiased	6.1901	6.1999	0.0098
322	1e+13	NDD Unbiased	6.0048	6.1219	0.1171
323	1e+13	NDD Unbiased	5.8975	6.0926	0.1951
324	1e+13	NDD Unbiased	6.1658	6.3462	0.1804
325	1e+13	NDD Unbiased	6.0828	6.195	0.1122
326	0	Correlation	5.9316	6.0194	0.0878
327	0	Correlation	6.3755	6.3755	0
328	0	Correlation	6.0194	6.1462	0.1268

Test Statistics (nA)

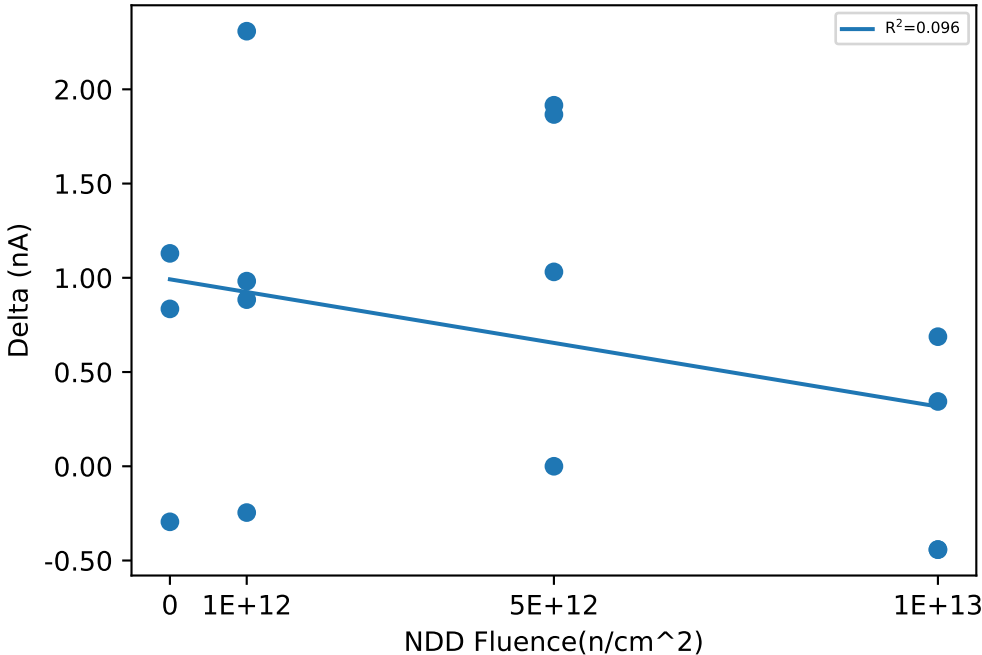
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.9316	6.1088	6.3755	0.23508	6.0194	6.1804	6.3755	0.18049	0	0.071533	0.1268	0.064946
1e+12	6.0536	6.1414	6.3072	0.11355	5.995	6.1304	6.3072	0.1297	-0.0586	-0.011	0.0244	0.034839
5e+12	5.9853	6.1182	6.2292	0.11203	6.0097	6.1487	6.2682	0.1114	0.0098	0.0305	0.0488	0.017057
1e+13	5.8975	6.0377	6.1658	0.11428	6.0926	6.1889	6.3462	0.11335	0.1122	0.1512	0.1951	0.042676

Device Test: 6.18; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

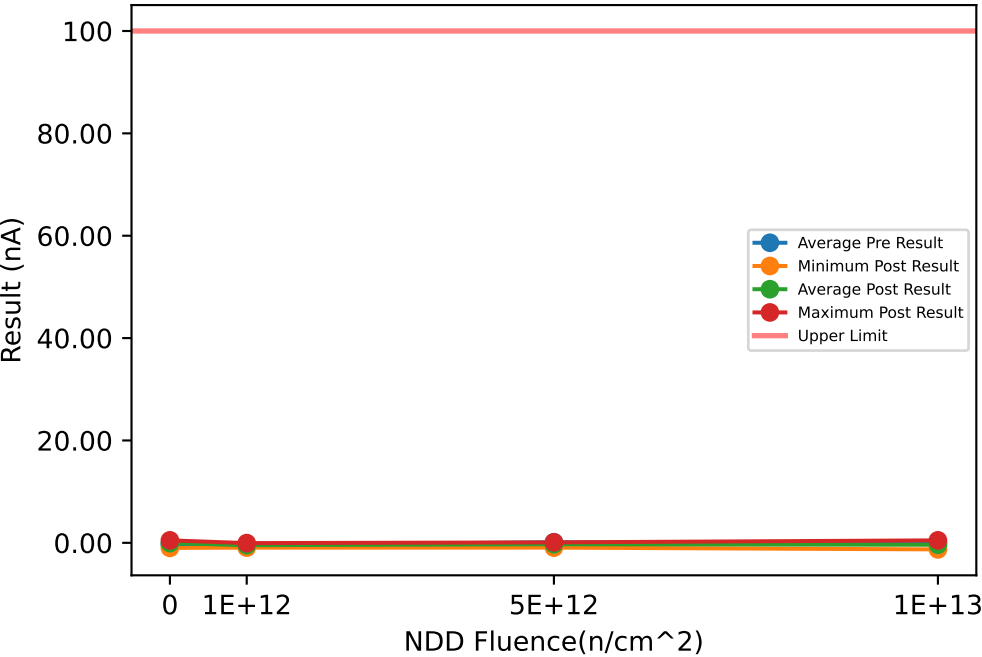
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6199	1.6022	0.9823
314	1e+12	NDD Unbiased	0.1778	2.4862	2.3084
315	1e+12	NDD Unbiased	0.0305	0.9146	0.8841
316	1e+12	NDD Unbiased	-0.2151	-0.4607	-0.2456
317	5e+12	NDD Unbiased	-0.8045	1.0619	1.8664
318	5e+12	NDD Unbiased	1.8968	1.8968	0
320	5e+12	NDD Unbiased	0.8654	1.8968	1.0314
321	5e+12	NDD Unbiased	-0.8045	1.111	1.9155
322	1e+13	NDD Unbiased	0.4234	1.111	0.6876
323	1e+13	NDD Unbiased	1.2092	1.553	0.3438
324	1e+13	NDD Unbiased	1.0619	0.6199	-0.442
325	1e+13	NDD Unbiased	-0.0677	-0.5098	-0.4421
326	0	Correlation	0.9146	0.6199	-0.2947
327	0	Correlation	-1.05	0.0796	1.1296
328	0	Correlation	0.5216	1.3566	0.835

Test Statistics (nA)

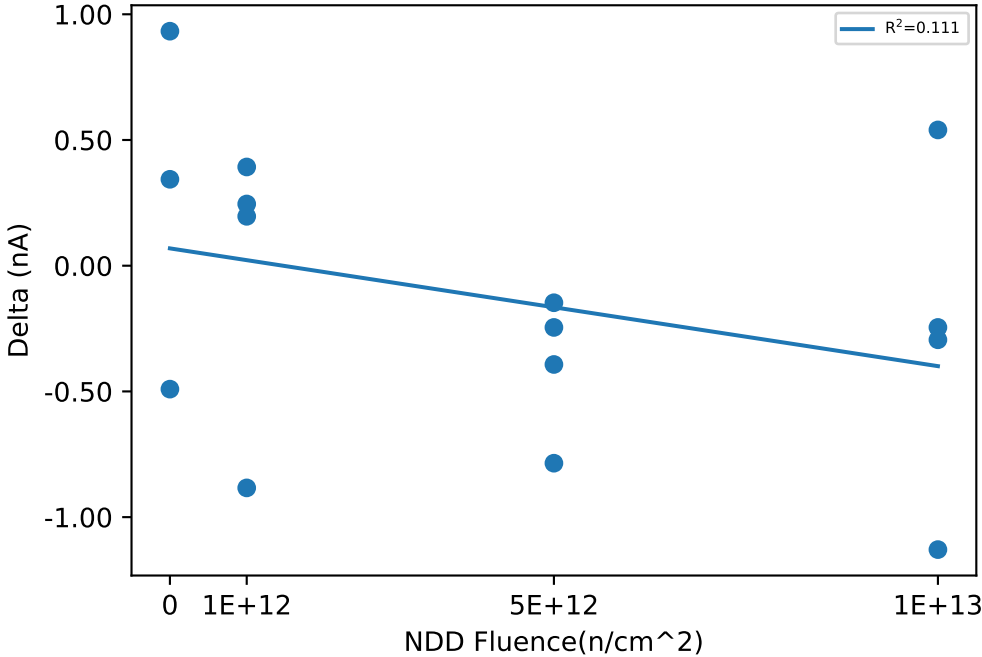
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-1.05	0.12873	0.9146	1.0396	0.0796	0.68537	1.3566	0.64101	-0.2947	0.55663	1.1296	0.75185
1e+12	-0.2151	0.15327	0.6199	0.35077	-0.4607	1.1356	2.4862	1.2435	-0.2456	0.9823	2.3084	1.045
5e+12	-0.8045	0.2883	1.8968	1.3303	1.0619	1.4916	1.8968	0.46829	0	1.2033	1.9155	0.89896
1e+13	-0.0677	0.6567	1.2092	0.59122	-0.5098	0.69352	1.553	0.88814	-0.4421	0.036825	0.6876	0.57049

Device Test: 6.19; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

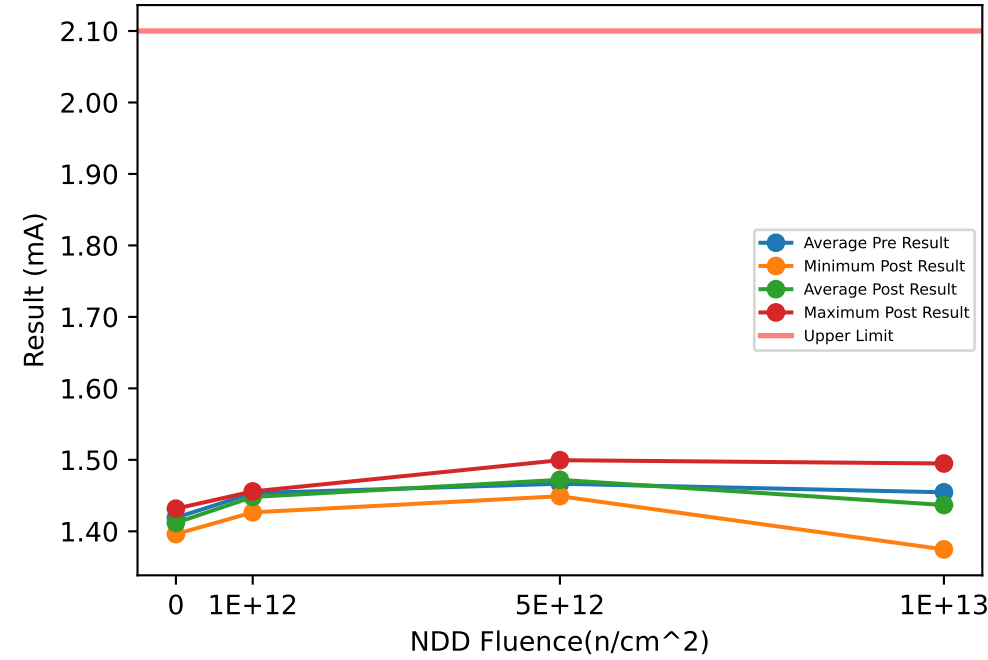
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	-0.694	-0.4485	0.2455
314	1e+12	NDD Unbiased	-0.0558	-0.9395	-0.8837
315	1e+12	NDD Unbiased	-0.4485	-0.0558	0.3927
316	1e+12	NDD Unbiased	-0.5958	-0.3994	0.1964
317	5e+12	NDD Unbiased	0.2879	-0.1049	-0.3928
318	5e+12	NDD Unbiased	-0.0067	-0.154	-0.1473
320	5e+12	NDD Unbiased	-0.154	-0.9395	-0.7855
321	5e+12	NDD Unbiased	0.337	0.0915	-0.2455
322	1e+13	NDD Unbiased	-0.4485	-0.7431	-0.2946
323	1e+13	NDD Unbiased	-0.0558	0.4842	0.54
324	1e+13	NDD Unbiased	-0.154	-1.2831	-1.1291
325	1e+13	NDD Unbiased	0.2879	0.0424	-0.2455
326	0	Correlation	-0.0067	0.337	0.3437
327	0	Correlation	-0.4485	0.4842	0.9327
328	0	Correlation	-0.4976	-0.9885	-0.4909

Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.4976	-0.3176	-0.0067	0.27036	-0.9885	-0.055767	0.4842	0.81112	-0.4909	0.26183	0.9327	0.71532
1e+12	-0.694	-0.44853	-0.0558	0.28058	-0.9395	-0.4608	-0.0558	0.36382	-0.8837	-0.012275	0.3927	0.58691
5e+12	-0.154	0.11605	0.337	0.23548	-0.9395	-0.27672	0.0915	0.4544	-0.7855	-0.39277	-0.1473	0.28058
1e+13	-0.4485	-0.0926	0.2879	0.30363	-1.2831	-0.3749	0.4842	0.79006	-1.1291	-0.2823	0.54	0.68185

Device Test: 6.2; ISD

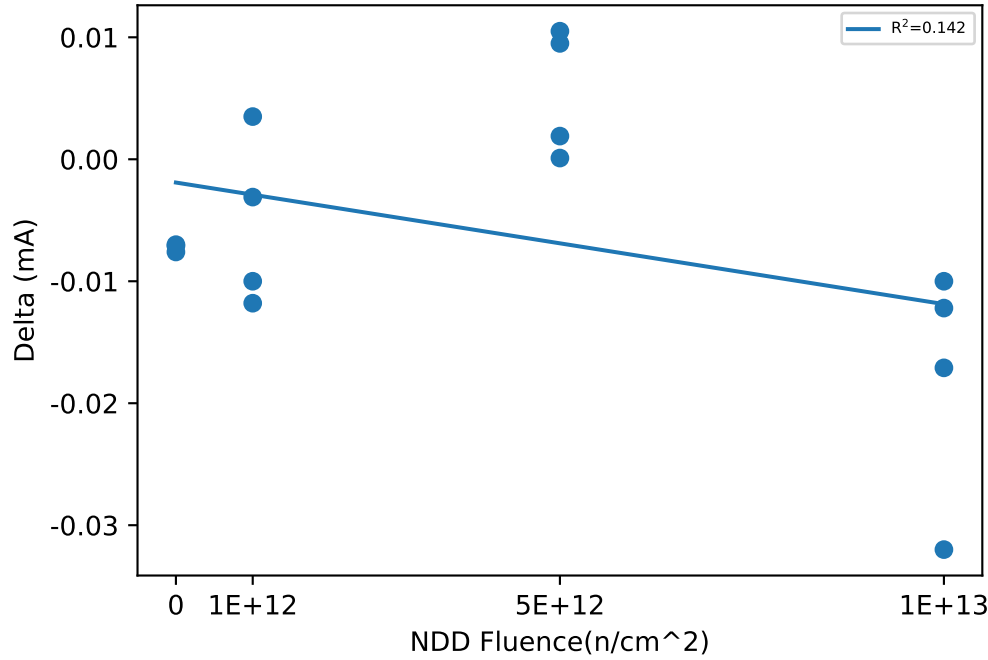
NDD vs Result Stats



Test Results (Upper Limit = 2.1 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.4583	1.4552	-0.0031
314	1e+12	NDD Unbiased	1.4646	1.4546	-0.01
315	1e+12	NDD Unbiased	1.4676	1.4558	-0.0118
316	1e+12	NDD Unbiased	1.423	1.4265	0.0035
317	5e+12	NDD Unbiased	1.4396	1.4491	0.0095
318	5e+12	NDD Unbiased	1.4994	1.4995	0.0001
320	5e+12	NDD Unbiased	1.467	1.4775	0.0105
321	5e+12	NDD Unbiased	1.4602	1.4621	0.0019
322	1e+13	NDD Unbiased	1.4361	1.4239	-0.0122
323	1e+13	NDD Unbiased	1.4636	1.4536	-0.01
324	1e+13	NDD Unbiased	1.4067	1.3747	-0.032
325	1e+13	NDD Unbiased	1.512	1.4949	-0.0171
326	0	Correlation	1.4393	1.4317	-0.0076
327	0	Correlation	1.4147	1.4077	-0.007
328	0	Correlation	1.4032	1.3961	-0.0071

NDD vs Post - Pre Exposure Delta

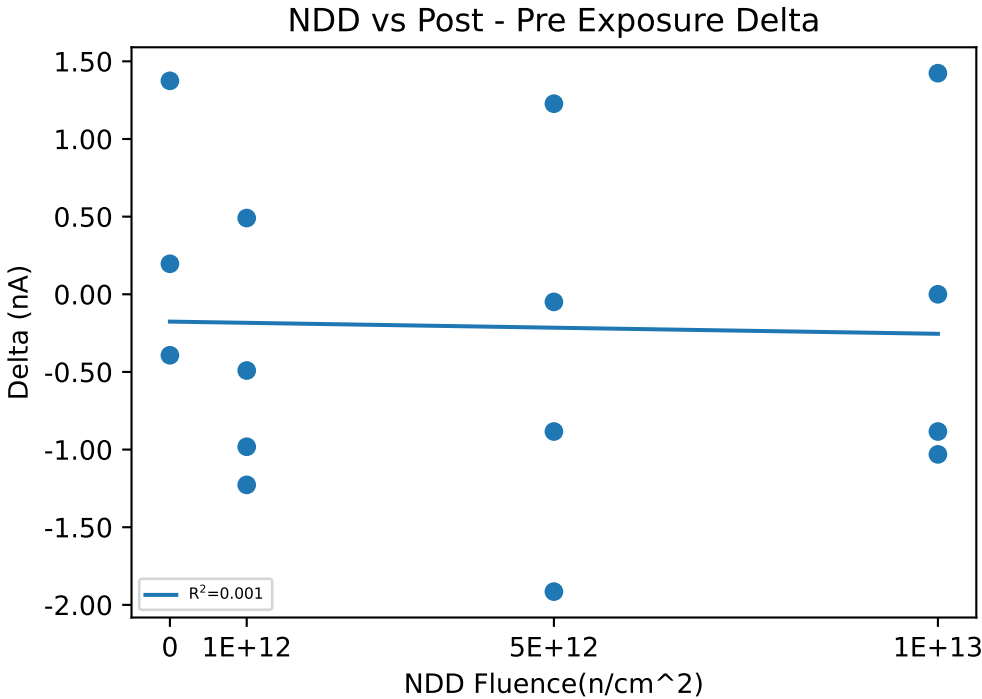
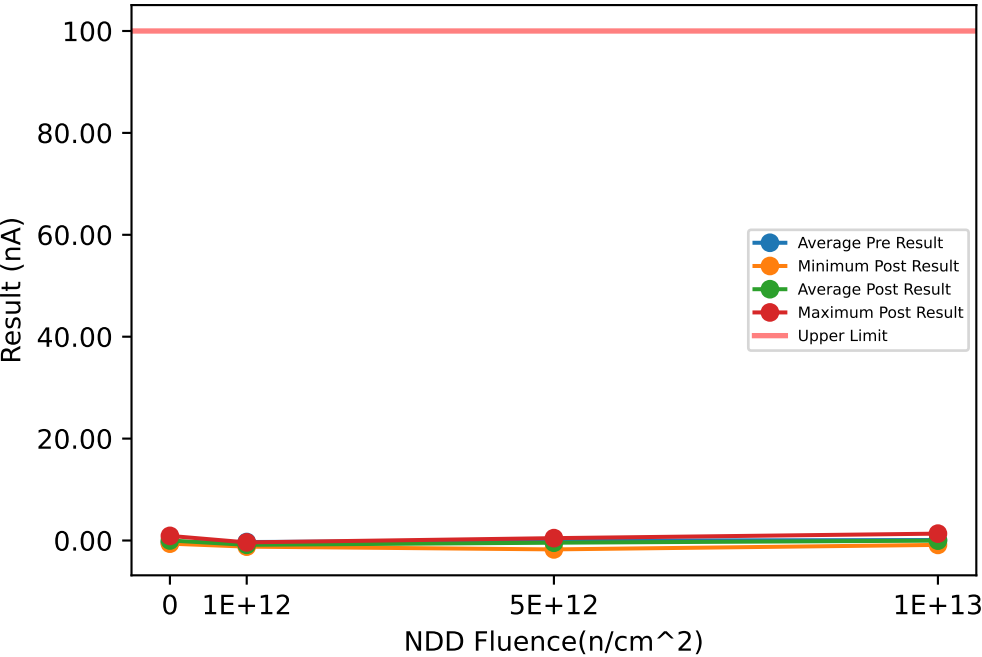


Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4032	1.4191	1.4393	0.018442	1.3961	1.4118	1.4317	0.018156	-0.0076	-0.0072333	-0.007	0.00032146
1e+12	1.423	1.4534	1.4676	0.020618	1.4265	1.448	1.4558	0.014358	-0.0118	-0.00535	0.0035	0.0069907
5e+12	1.4396	1.4666	1.4994	0.024806	1.4491	1.4721	1.4995	0.021671	0.0001	0.0055	0.0105	0.0052637
1e+13	1.4067	1.4546	1.512	0.044768	1.3747	1.4368	1.4949	0.050599	-0.032	-0.017825	-0.01	0.009905

Device Test: 6.20; ILKG_SENSE

NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

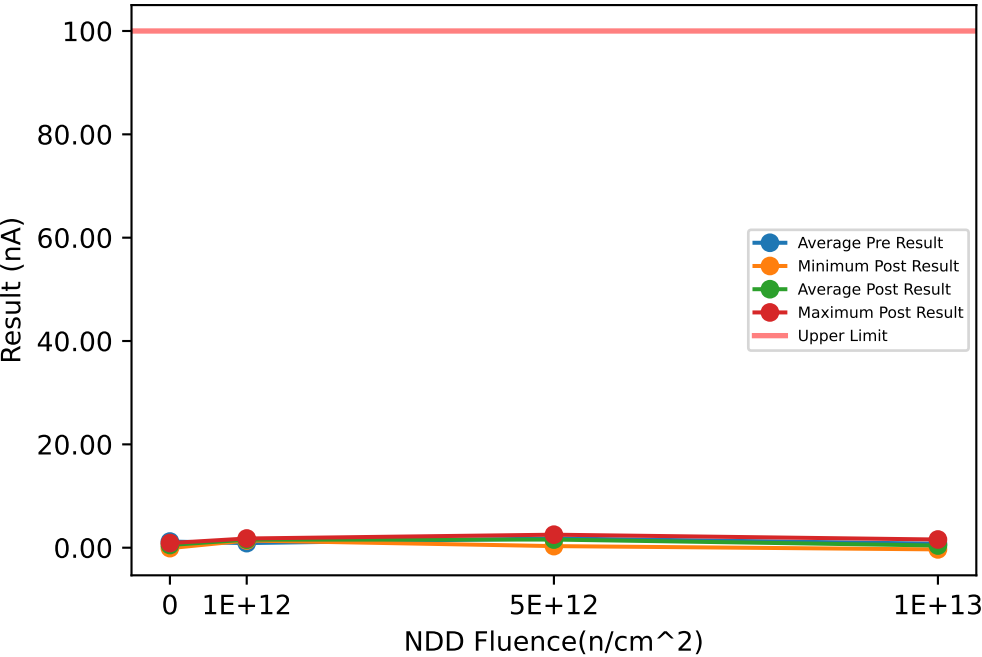
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	-0.7136	-1.2045	-0.4909
314	1e+12	NDD Unbiased	0.3173	-0.91	-1.2273
315	1e+12	NDD Unbiased	-0.8609	-0.37	0.4909
316	1e+12	NDD Unbiased	0.0718	-0.91	-0.9818
317	5e+12	NDD Unbiased	-1.5972	-0.37	1.2272
318	5e+12	NDD Unbiased	0.8082	-0.0754	-0.8836
320	5e+12	NDD Unbiased	0.17	-1.7445	-1.9145
321	5e+12	NDD Unbiased	0.5137	0.4646	-0.0491
322	1e+13	NDD Unbiased	0.0228	-0.8609	-0.8837
323	1e+13	NDD Unbiased	0.2191	-0.8118	-1.0309
324	1e+13	NDD Unbiased	0.2191	0.2191	0
325	1e+13	NDD Unbiased	-0.0754	1.3482	1.4236
326	0	Correlation	-0.8118	-0.6154	0.1964
327	0	Correlation	0.1209	-0.2718	-0.3927
328	0	Correlation	-0.4681	0.9064	1.3745

Test Statistics (nA)

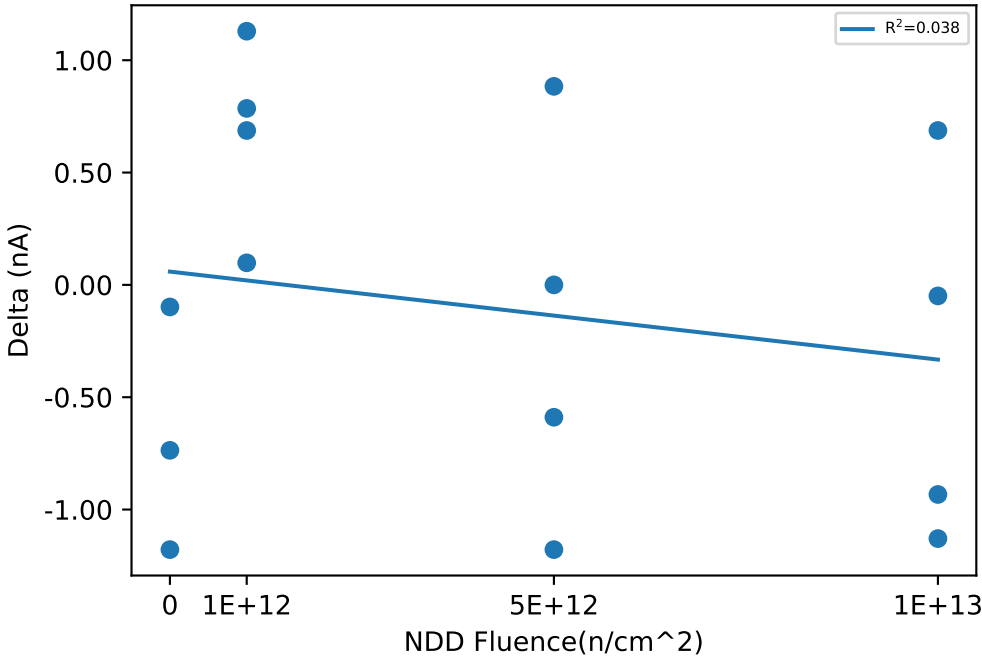
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.8118	-0.38633	0.1209	0.4717	-0.6154	0.0064	0.9064	0.79813	-0.3927	0.39273	1.3745	0.89981
1e+12	-0.8609	-0.29635	0.3173	0.57877	-1.2045	-0.84862	-0.37	0.34798	-1.2273	-0.55227	0.4909	0.75985
5e+12	-1.5972	-0.026325	0.8082	1.0792	-1.7445	-0.43132	0.4646	0.9412	-1.9145	-0.405	1.2272	1.329
1e+13	-0.0754	0.0964	0.2191	0.14724	-0.8609	-0.02635	1.3482	1.0429	-1.0309	-0.12275	1.4236	1.1269

Device Test: 6.21; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

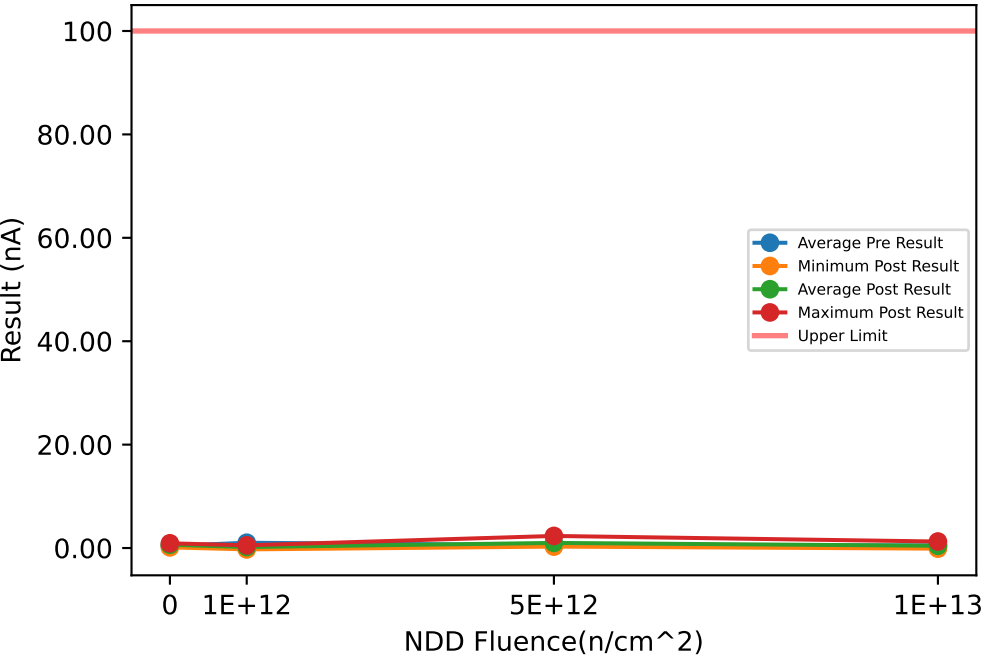
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2921	1.3903	0.0982
314	1e+12	NDD Unbiased	0.9976	1.7831	0.7855
315	1e+12	NDD Unbiased	0.9976	1.6849	0.6873
316	1e+12	NDD Unbiased	0.2611	1.3903	1.1292
317	5e+12	NDD Unbiased	2.225	1.6358	-0.5892
318	5e+12	NDD Unbiased	1.6358	2.5195	0.8837
320	5e+12	NDD Unbiased	1.4885	0.3102	-1.1783
321	5e+12	NDD Unbiased	1.8322	1.8322	0
322	1e+13	NDD Unbiased	0.8012	-0.328	-1.1292
323	1e+13	NDD Unbiased	0.8994	-0.0335	-0.9329
324	1e+13	NDD Unbiased	0.8994	1.5867	0.6873
325	1e+13	NDD Unbiased	0.5066	0.4575	-0.0491
326	0	Correlation	2.0777	0.8994	-1.1783
327	0	Correlation	0.0156	-0.0826	-0.0982
328	0	Correlation	1.4885	0.7521	-0.7364

Test Statistics (nA)

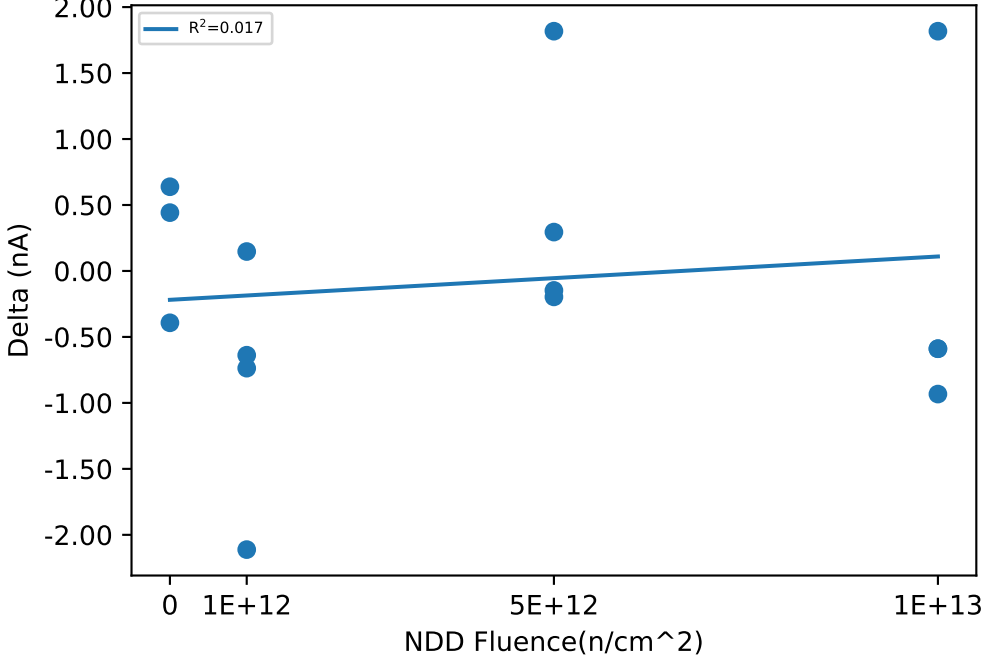
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0156	1.1939	2.0777	1.0621	-0.0826	0.52297	0.8994	0.52958	-1.1783	-0.67097	-0.0982	0.54301
1e+12	0.2611	0.8871	1.2921	0.43982	1.3903	1.5621	1.7831	0.20244	0.0982	0.67505	1.1292	0.4287
5e+12	1.4885	1.7954	2.225	0.31915	0.3102	1.5744	2.5195	0.92406	-1.1783	-0.22095	0.8837	0.87962
1e+13	0.5066	0.77665	0.8994	0.18589	-0.328	0.42068	1.5867	0.84217	-1.1292	-0.35597	0.6873	0.83931

Device Test: 6.22; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

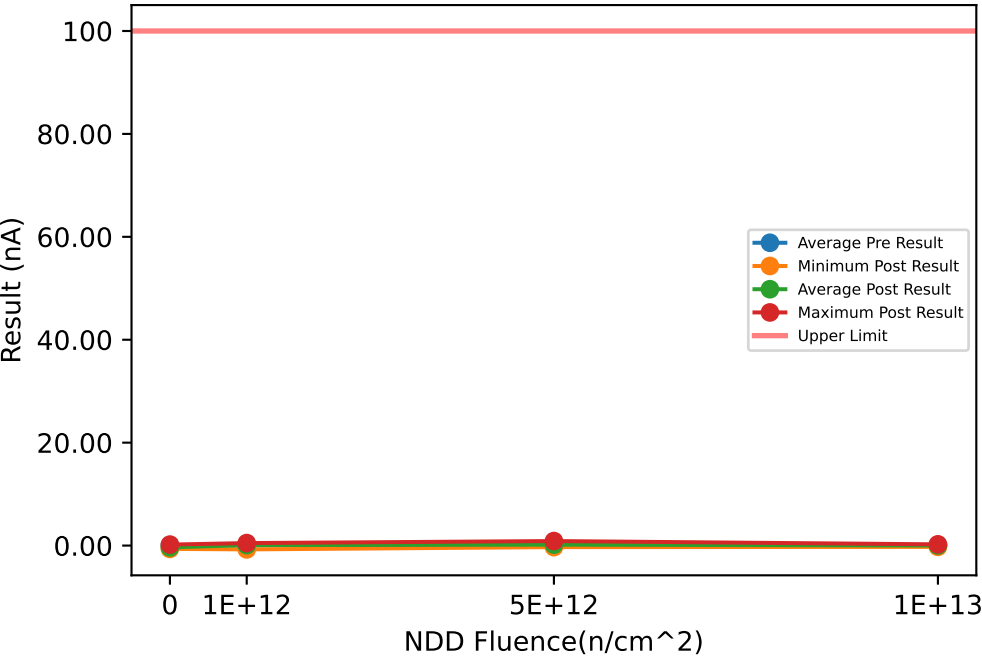
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2584	0.5216	-0.7368
314	1e+12	NDD Unbiased	1.0128	0.3743	-0.6385
315	1e+12	NDD Unbiased	1.8477	-0.2642	-2.1119
316	1e+12	NDD Unbiased	-0.0186	0.1287	0.1473
317	5e+12	NDD Unbiased	0.6199	0.4725	-0.1474
318	5e+12	NDD Unbiased	-0.0186	0.2761	0.2947
320	5e+12	NDD Unbiased	1.0619	0.8654	-0.1965
321	5e+12	NDD Unbiased	0.5216	2.3389	1.8173
322	1e+13	NDD Unbiased	0.8163	-0.1168	-0.9331
323	1e+13	NDD Unbiased	-0.5589	1.2584	1.8173
324	1e+13	NDD Unbiased	0.5708	-0.0186	-0.5894
325	1e+13	NDD Unbiased	1.2092	0.6199	-0.5893
326	0	Correlation	0.227	0.8654	0.6384
327	0	Correlation	0.4725	0.9146	0.4421
328	0	Correlation	0.5216	0.1287	-0.3929

Test Statistics (nA)

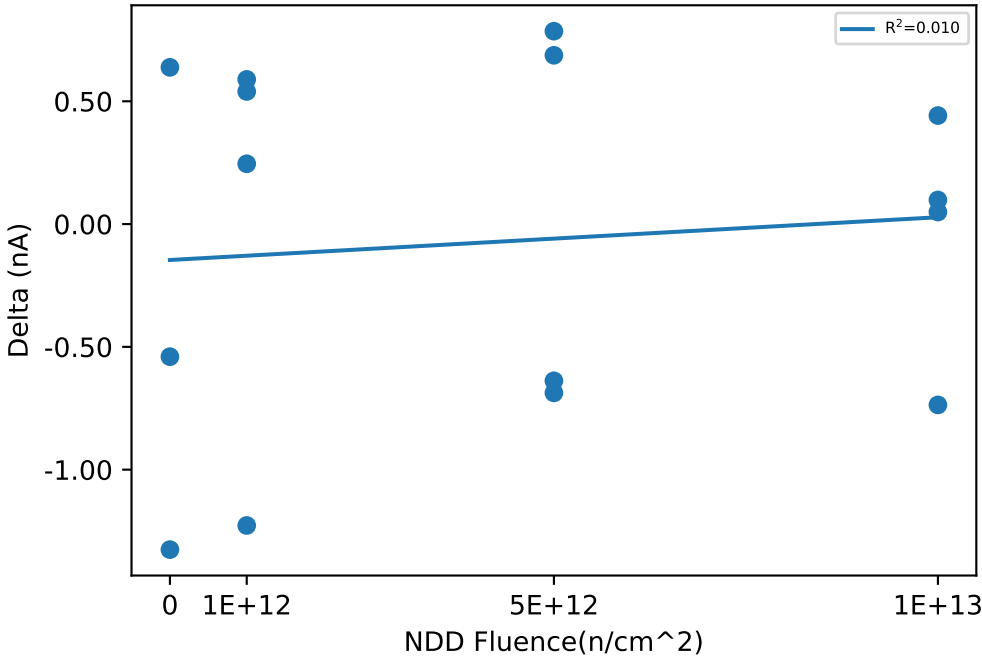
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.227	0.40703	0.5216	0.15783	0.1287	0.63623	0.9146	0.44022	-0.3929	0.2292	0.6384	0.54762
1e+12	-0.0186	1.0251	1.8477	0.77901	-0.2642	0.1901	0.5216	0.3435	-2.1119	-0.83497	0.1473	0.93873
5e+12	-0.0186	0.5462	1.0619	0.44384	0.2761	0.98823	2.3389	0.93319	-0.1965	0.44203	1.8173	0.94308
1e+13	-0.5589	0.50935	1.2092	0.75915	-0.1168	0.43573	1.2584	0.63833	-0.9331	-0.073625	1.8173	1.271

Device Test: 6.23; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

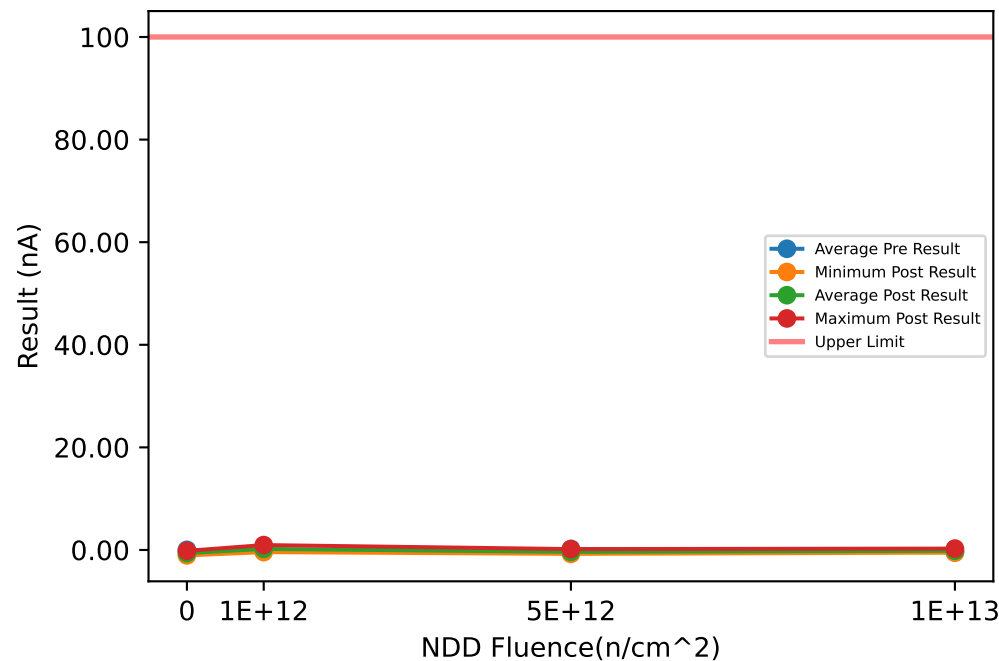
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.4842	-0.7431	-1.2273
314	1e+12	NDD Unbiased	-0.0558	0.4842	0.54
315	1e+12	NDD Unbiased	-0.2031	0.386	0.5891
316	1e+12	NDD Unbiased	-0.0067	0.2388	0.2455
317	5e+12	NDD Unbiased	0.386	-0.3013	-0.6873
318	5e+12	NDD Unbiased	-0.3994	0.386	0.7854
320	5e+12	NDD Unbiased	0.386	-0.2522	-0.6382
321	5e+12	NDD Unbiased	0.1897	0.877	0.6873
322	1e+13	NDD Unbiased	0.0424	0.0915	0.0491
323	1e+13	NDD Unbiased	0.7297	-0.0067	-0.7364
324	1e+13	NDD Unbiased	-0.2031	0.2388	0.4419
325	1e+13	NDD Unbiased	-0.3503	-0.2522	0.0981
326	0	Correlation	0.6806	-0.6449	-1.3255
327	0	Correlation	-0.0558	-0.5958	-0.54
328	0	Correlation	-0.4485	0.1897	0.6382

Test Statistics (nA)

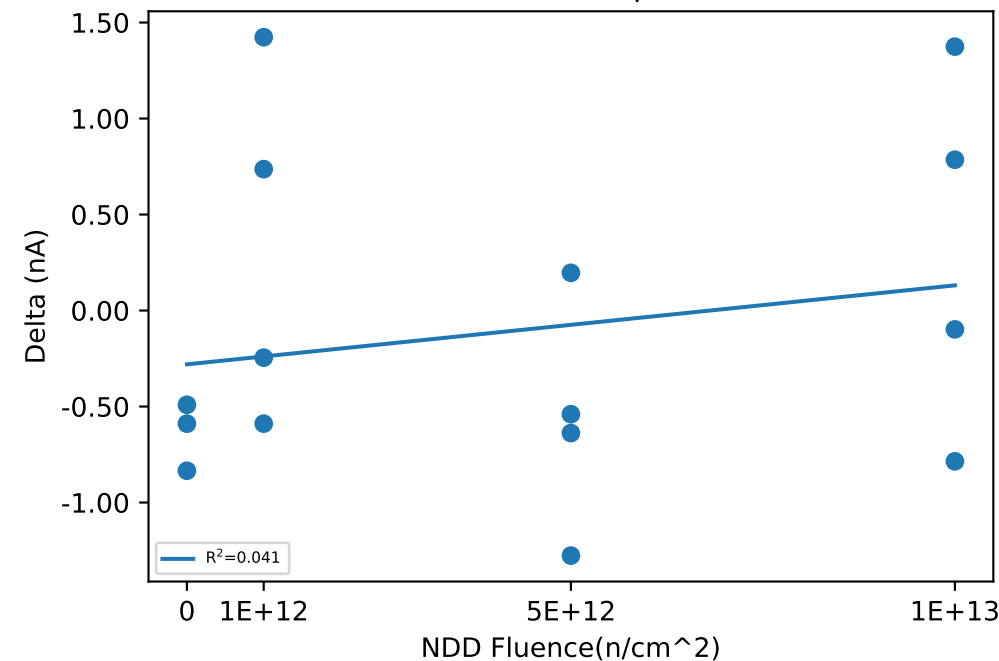
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.4485	0.058767	0.6806	0.5732	-0.6449	-0.35033	0.1897	0.46833	-1.3255	-0.4091	0.6382	0.98837
1e+12	-0.2031	0.05465	0.4842	0.29828	-0.7431	0.091475	0.4842	0.56545	-1.2273	0.036825	0.5891	0.8563
5e+12	-0.3994	0.14058	0.386	0.37169	-0.3013	0.17738	0.877	0.56174	-0.6873	0.0368	0.7854	0.80901
1e+13	-0.3503	0.054675	0.7297	0.47828	-0.2522	0.01785	0.2388	0.20638	-0.7364	-0.036825	0.4419	0.49805

Device Test: 6.24; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

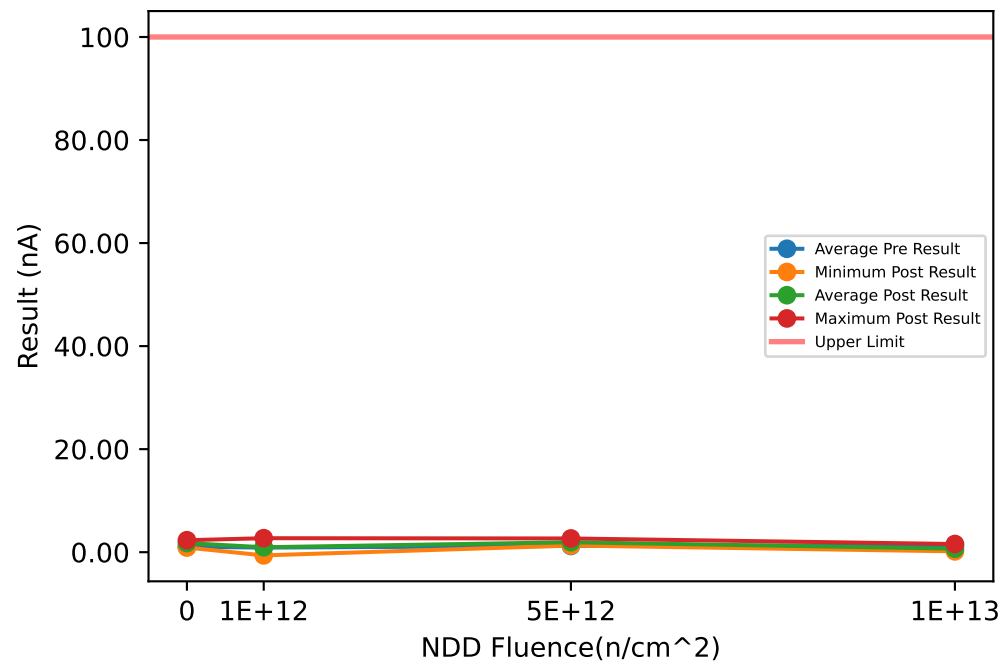
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.4155	0.17	-0.2455
314	1e+12	NDD Unbiased	-0.4681	0.9555	1.4236
315	1e+12	NDD Unbiased	-0.6154	0.1209	0.7363
316	1e+12	NDD Unbiased	0.17	-0.4191	-0.5891
317	5e+12	NDD Unbiased	-0.0263	0.17	0.1963
318	5e+12	NDD Unbiased	-0.1245	-0.7627	-0.6382
320	5e+12	NDD Unbiased	0.8573	-0.4191	-1.2764
321	5e+12	NDD Unbiased	0.0718	-0.4681	-0.5399
322	1e+13	NDD Unbiased	-1.3027	-0.5172	0.7855
323	1e+13	NDD Unbiased	-1.5972	-0.2227	1.3745
324	1e+13	NDD Unbiased	0.3664	0.2682	-0.0982
325	1e+13	NDD Unbiased	0.6609	-0.1245	-0.7854
326	0	Correlation	-0.2227	-1.0572	-0.8345
327	0	Correlation	-0.0263	-0.6154	-0.5891
328	0	Correlation	0.3173	-0.1736	-0.4909

Test Statistics (nA)

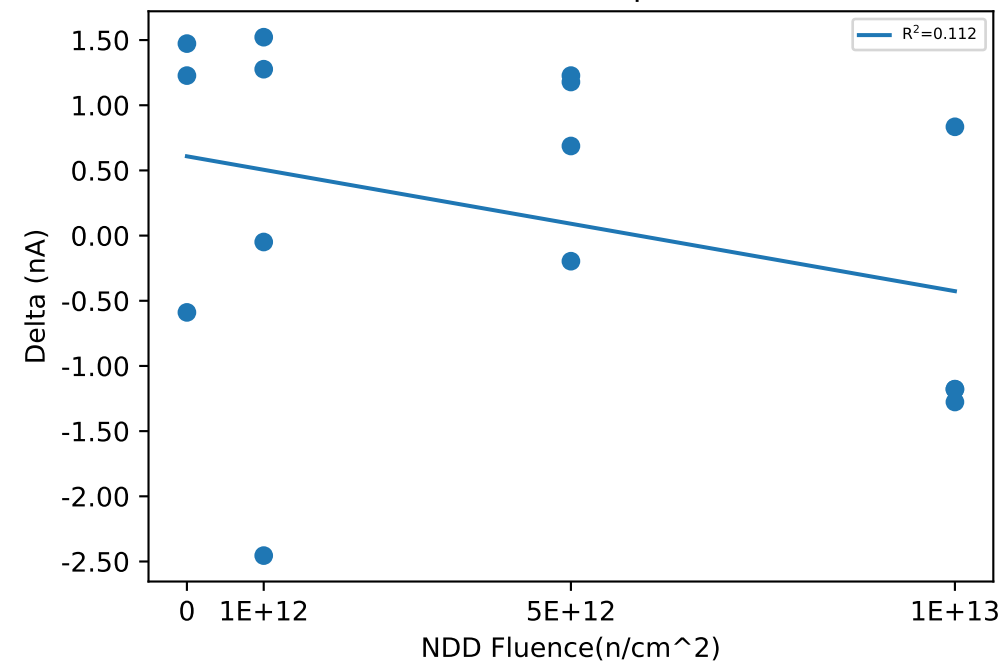
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.2227	0.022767	0.3173	0.27332	-1.0572	-0.6154	-0.1736	0.4418	-0.8345	-0.63817	-0.4909	0.17698
1e+12	-0.6154	-0.1245	0.4155	0.49577	-0.4191	0.20683	0.9555	0.56599	-0.5891	0.33132	1.4236	0.9196
5e+12	-0.1245	0.19457	0.8573	0.44903	-0.7627	-0.36997	0.17	0.39066	-1.2764	-0.56455	0.1963	0.60323
1e+13	-1.5972	-0.46815	0.6609	1.1464	-0.5172	-0.14905	0.2682	0.32438	-0.7854	0.3191	1.3745	0.95315

Device Test: 6.25; ILKG_SENSE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

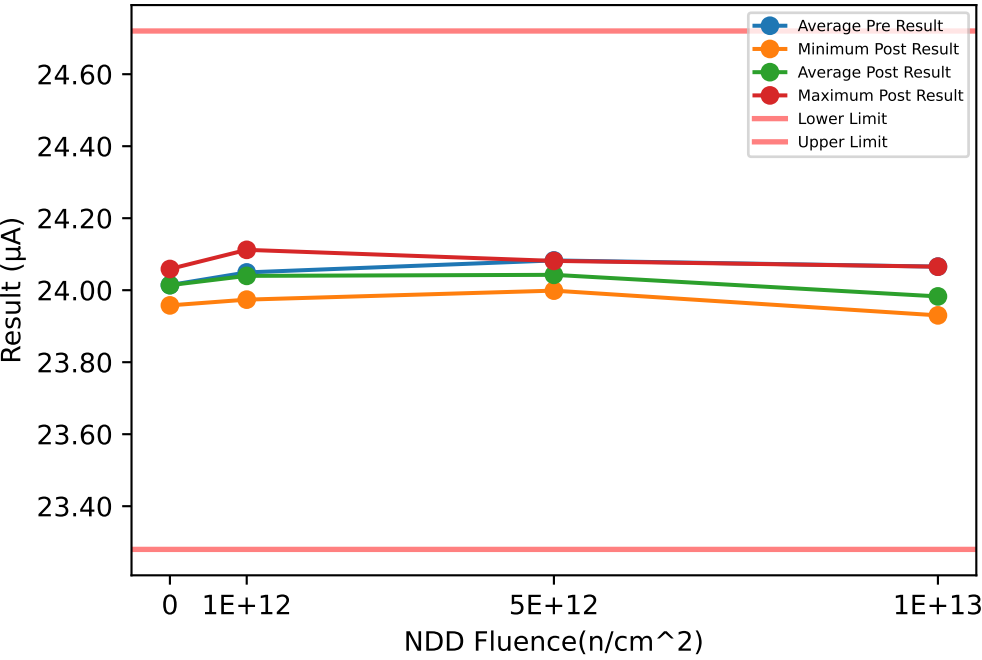
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.8322	-0.6226	-2.4548
314	1e+12	NDD Unbiased	0.703	0.6539	-0.0491
315	1e+12	NDD Unbiased	1.4394	2.7159	1.2765
316	1e+12	NDD Unbiased	-0.4262	1.0958	1.522
317	5e+12	NDD Unbiased	1.4885	2.1759	0.6874
318	5e+12	NDD Unbiased	1.4885	2.6668	1.1783
320	5e+12	NDD Unbiased	0.3593	1.5867	1.2274
321	5e+12	NDD Unbiased	1.4885	1.2921	-0.1964
322	1e+13	NDD Unbiased	1.6849	0.5066	-1.1783
323	1e+13	NDD Unbiased	1.734	0.4575	-1.2765
324	1e+13	NDD Unbiased	0.7521	1.5867	0.8346
325	1e+13	NDD Unbiased	1.3412	0.1629	-1.1783
326	0	Correlation	0.8503	2.3232	1.4729
327	0	Correlation	1.4885	0.8994	-0.5891
328	0	Correlation	0.8503	2.0777	1.2274

Test Statistics (nA)

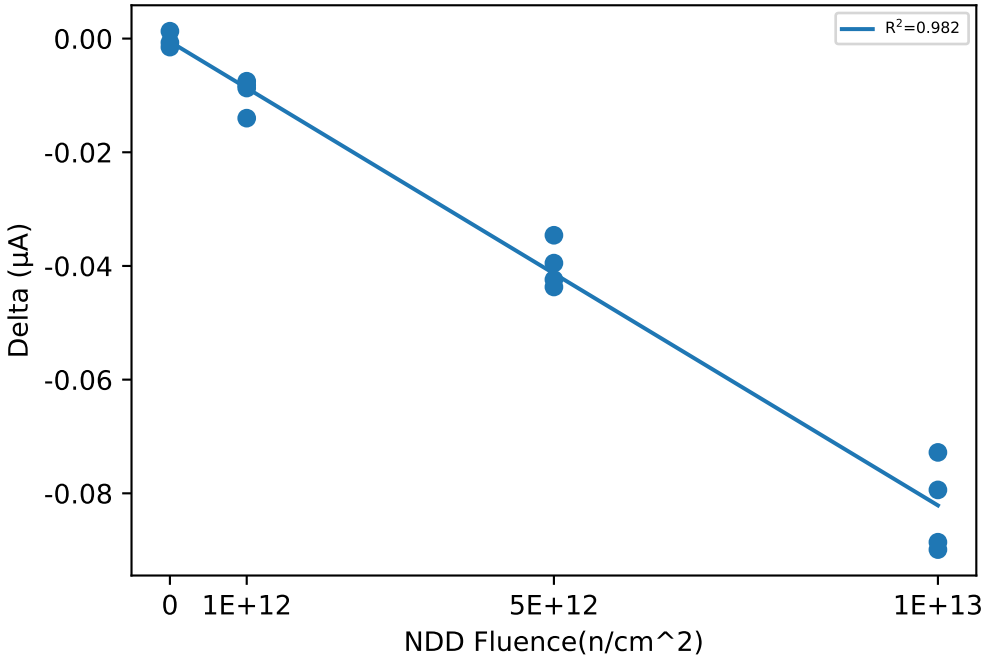
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8503	1.063	1.4885	0.36846	0.8994	1.7668	2.3232	0.76112	-0.5891	0.70373	1.4729	1.1263
1e+12	-0.4262	0.8871	1.8322	0.99279	-0.6226	0.96075	2.7159	1.3784	-2.4548	0.07365	1.522	1.8214
5e+12	0.3593	1.2062	1.4885	0.5646	1.2921	1.9304	2.6668	0.61322	-0.1964	0.72418	1.2274	0.66037
1e+13	0.7521	1.378	1.734	0.45241	0.1629	0.67843	1.5867	0.62425	-1.2765	-0.69962	0.8346	1.0239

Device Test: 6.26; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

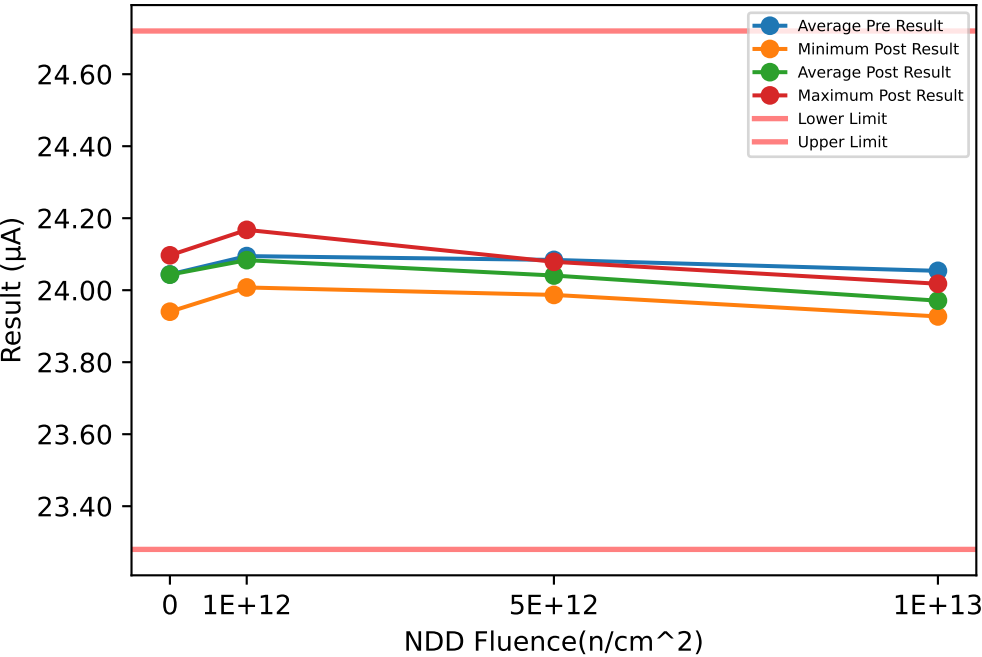
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.126	24.112	-0.014
314	1e+12	NDD Unbiased	24.045	24.037	-0.0087
315	1e+12	NDD Unbiased	24.044	24.037	-0.0075
316	1e+12	NDD Unbiased	23.982	23.974	-0.0082
317	5e+12	NDD Unbiased	24.125	24.081	-0.0437
318	5e+12	NDD Unbiased	24.033	23.999	-0.0346
320	5e+12	NDD Unbiased	24.07	24.027	-0.0424
321	5e+12	NDD Unbiased	24.103	24.063	-0.0395
322	1e+13	NDD Unbiased	24.003	23.93	-0.0728
323	1e+13	NDD Unbiased	24.079	23.99	-0.0886
324	1e+13	NDD Unbiased	24.035	23.945	-0.0899
325	1e+13	NDD Unbiased	24.145	24.065	-0.0794
326	0	Correlation	24.06	24.059	-0.0015
327	0	Correlation	24.026	24.025	-0.0007
328	0	Correlation	23.956	23.958	0.0013

Test Statistics (µA)

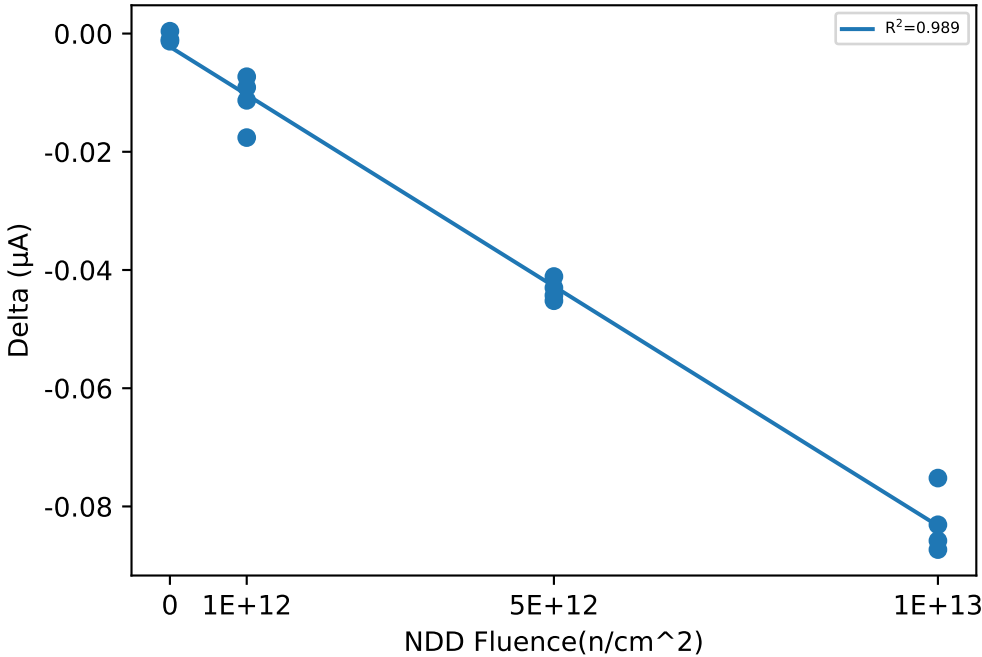
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.956	24.014	24.06	0.052918	23.958	24.014	24.059	0.051478	-0.0015	-0.0003	0.0013	0.0014422
1e+12	23.982	24.049	24.126	0.059075	23.974	24.04	24.112	0.056578	-0.014	-0.0096	-0.0075	0.0029743
5e+12	24.033	24.083	24.125	0.040044	23.999	24.043	24.081	0.036954	-0.0437	-0.04005	-0.0346	0.0040353
1e+13	24.003	24.065	24.145	0.061296	23.93	23.983	24.065	0.06063	-0.0899	-0.082675	-0.0728	0.0080736

Device Test: 6.27; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

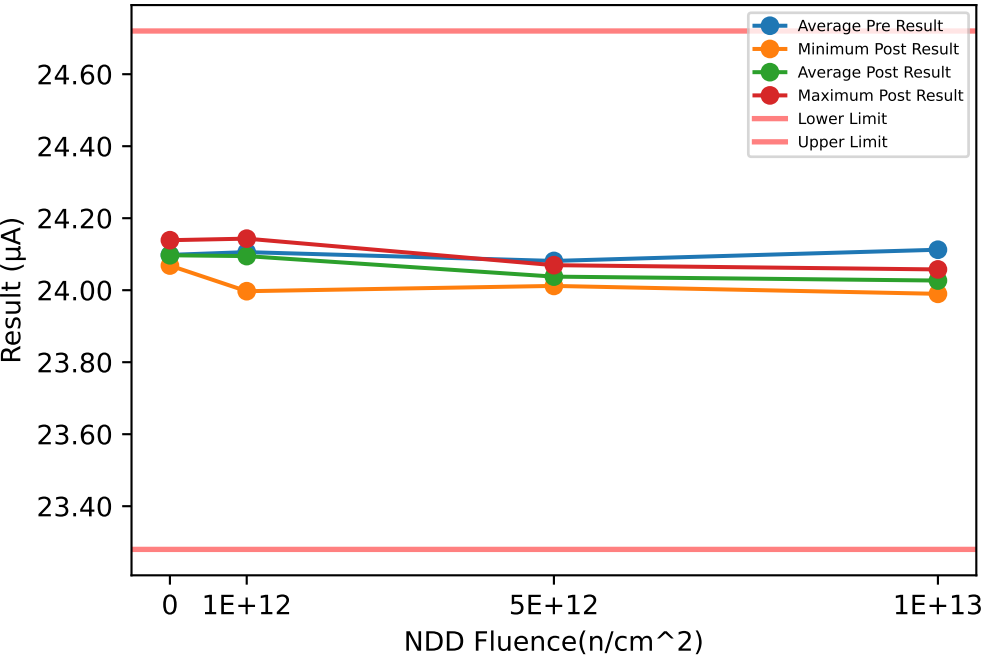
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.185	24.168	-0.0176
314	1e+12	NDD Unbiased	24.081	24.07	-0.0113
315	1e+12	NDD Unbiased	24.096	24.089	-0.0073
316	1e+12	NDD Unbiased	24.017	24.008	-0.0091
317	5e+12	NDD Unbiased	24.124	24.079	-0.0452
318	5e+12	NDD Unbiased	24.028	23.987	-0.0411
320	5e+12	NDD Unbiased	24.103	24.059	-0.0443
321	5e+12	NDD Unbiased	24.082	24.039	-0.043
322	1e+13	NDD Unbiased	24.002	23.927	-0.0752
323	1e+13	NDD Unbiased	24.076	23.988	-0.0873
324	1e+13	NDD Unbiased	24.036	23.95	-0.0858
325	1e+13	NDD Unbiased	24.101	24.018	-0.0831
326	0	Correlation	24.094	24.093	-0.0013
327	0	Correlation	24.098	24.097	-0.001
328	0	Correlation	23.94	23.94	0.0004

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	23.94	24.044	24.098	0.090061	23.94	24.043	24.097	0.08917	-0.0013	-0.00063333	0.0004	0.00090738
1e+12	24.017	24.095	24.185	0.06945	24.008	24.083	24.168	0.065977	-0.0176	-0.011325	-0.0073	0.0044918
5e+12	24.028	24.084	24.124	0.041242	23.987	24.041	24.079	0.039473	-0.0452	-0.0434	-0.0411	0.0017795
1e+13	24.002	24.054	24.101	0.043439	23.927	23.971	24.018	0.040195	-0.0873	-0.08285	-0.0752	0.0053879

Device Test: 6.28; IHYS

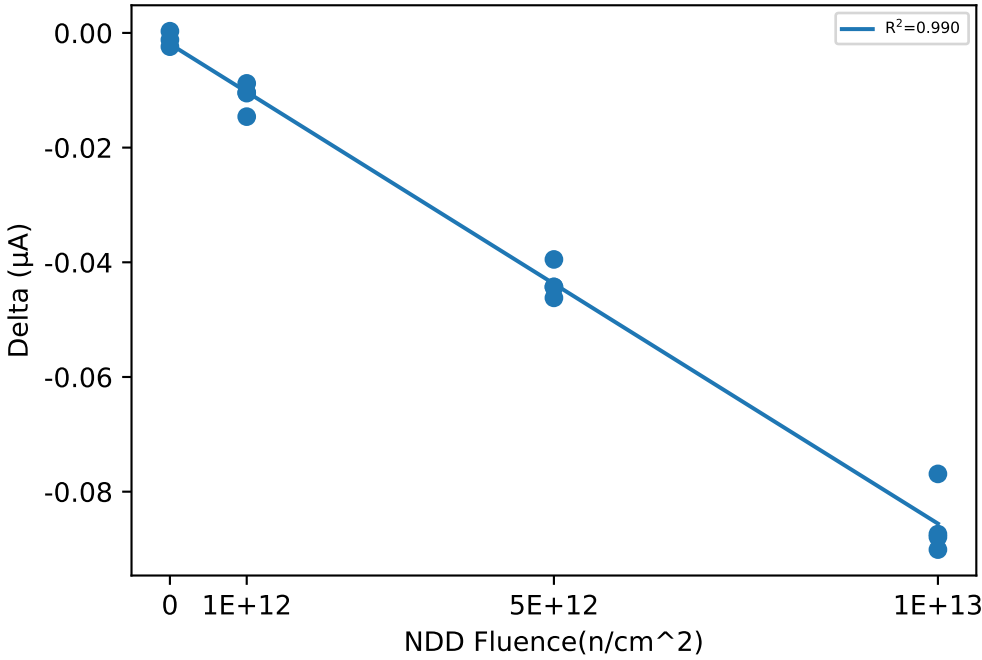
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.158	24.143	-0.0146
314	1e+12	NDD Unbiased	24.111	24.101	-0.0104
315	1e+12	NDD Unbiased	24.146	24.137	-0.0088
316	1e+12	NDD Unbiased	24.008	23.997	-0.0105
317	5e+12	NDD Unbiased	24.116	24.07	-0.0462
318	5e+12	NDD Unbiased	24.051	24.012	-0.0395
320	5e+12	NDD Unbiased	24.091	24.046	-0.0443
321	5e+12	NDD Unbiased	24.067	24.023	-0.0443
322	1e+13	NDD Unbiased	24.067	23.99	-0.0769
323	1e+13	NDD Unbiased	24.148	24.058	-0.0901
324	1e+13	NDD Unbiased	24.126	24.039	-0.0874
325	1e+13	NDD Unbiased	24.109	24.021	-0.0879
326	0	Correlation	24.071	24.069	-0.0024
327	0	Correlation	24.139	24.139	0.0003
328	0	Correlation	24.085	24.084	-0.0012

NDD vs Post - Pre Exposure Delta

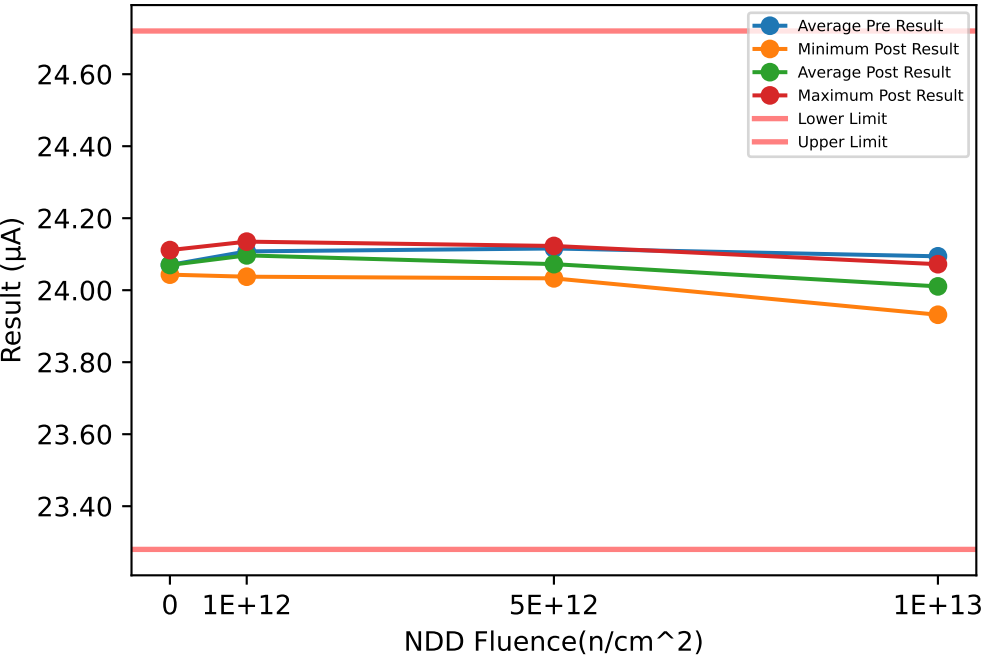


Test Statistics (µA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.071	24.098	24.139	0.035756	24.069	24.097	24.139	0.037064	-0.0024	-0.0011	0.0003	0.0013528
1e+12	24.008	24.106	24.158	0.068311	23.997	24.095	24.143	0.067651	-0.0146	-0.011075	-0.0088	0.0024757
5e+12	24.051	24.081	24.116	0.02803	24.012	24.038	24.07	0.025586	-0.0462	-0.043575	-0.0395	0.0028605
1e+13	24.067	24.112	24.148	0.034331	23.99	24.027	24.058	0.02884	-0.0901	-0.085575	-0.0769	0.0059011

Device Test: 6.29; IHYS

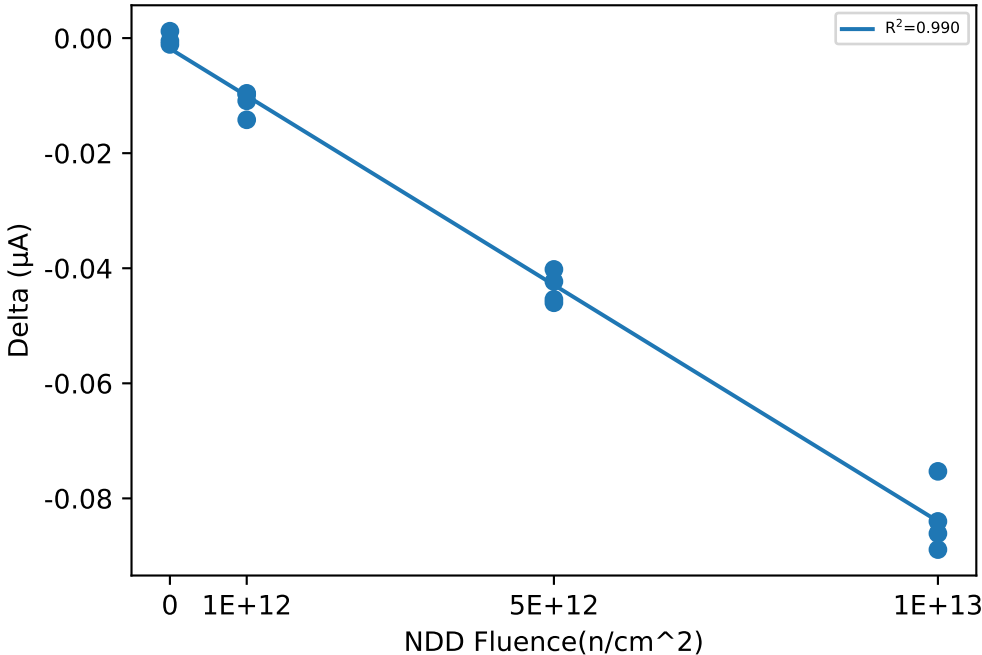
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.142	24.128	-0.0142
314	1e+12	NDD Unbiased	24.146	24.135	-0.0109
315	1e+12	NDD Unbiased	24.047	24.038	-0.0098
316	1e+12	NDD Unbiased	24.096	24.086	-0.0096
317	5e+12	NDD Unbiased	24.115	24.069	-0.0454
318	5e+12	NDD Unbiased	24.105	24.064	-0.0402
320	5e+12	NDD Unbiased	24.169	24.123	-0.046
321	5e+12	NDD Unbiased	24.075	24.033	-0.0423
322	1e+13	NDD Unbiased	24.007	23.932	-0.0753
323	1e+13	NDD Unbiased	24.161	24.072	-0.0889
324	1e+13	NDD Unbiased	24.107	24.021	-0.0861
325	1e+13	NDD Unbiased	24.102	24.018	-0.084
326	0	Correlation	24.113	24.111	-0.0011
327	0	Correlation	24.044	24.043	-0.0005
328	0	Correlation	24.054	24.055	0.0012

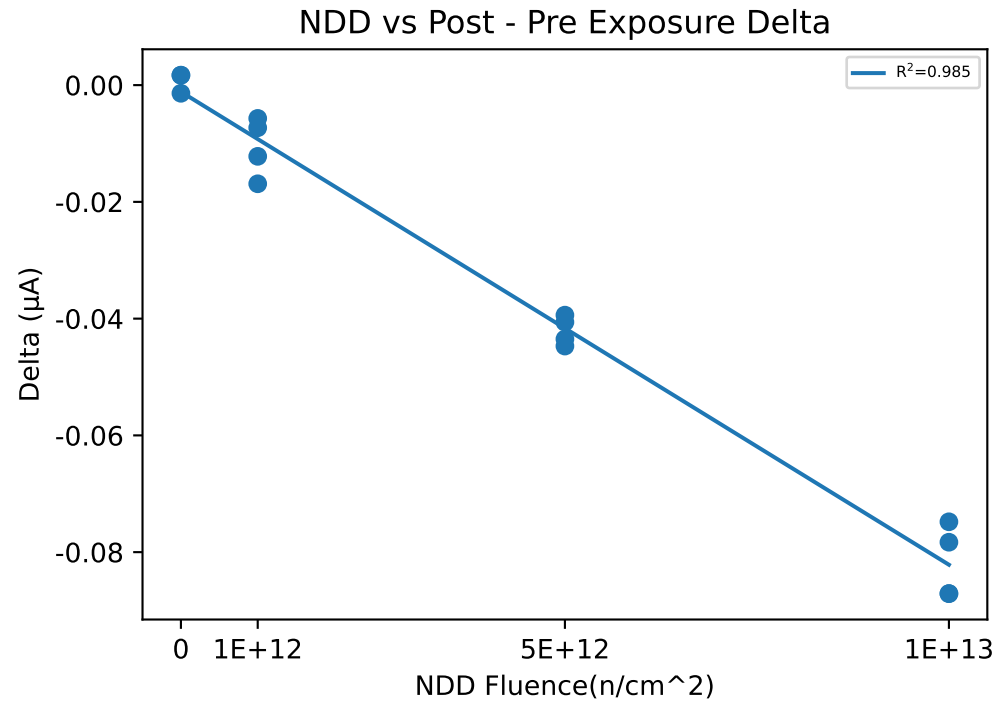
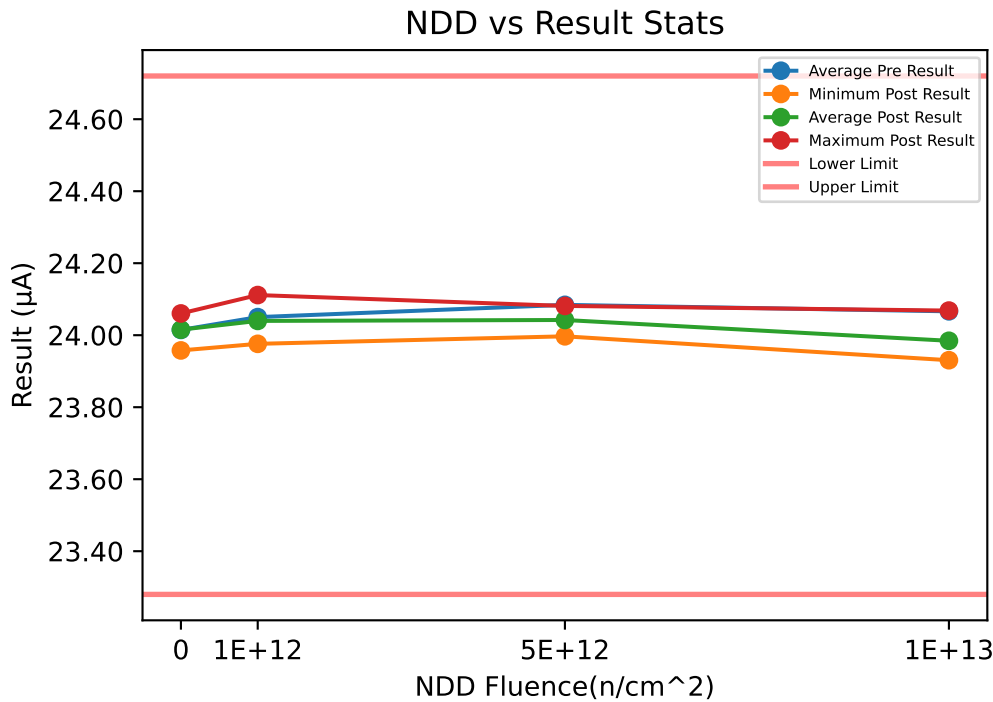
NDD vs Post - Pre Exposure Delta



Test Statistics (µA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.044	24.07	24.113	0.037043	24.043	24.07	24.111	0.036349	-0.0011	-0.00013333	0.0012	0.001193
1e+12	24.047	24.108	24.146	0.046285	24.038	24.097	24.135	0.044906	-0.0142	-0.011125	-0.0096	0.0021282
5e+12	24.075	24.116	24.169	0.039135	24.033	24.072	24.123	0.037346	-0.046	-0.043475	-0.0402	0.0027195
1e+13	24.007	24.094	24.161	0.063965	23.932	24.011	24.072	0.058179	-0.0889	-0.083575	-0.0753	0.0058705

Device Test: 6.30; IHYS



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

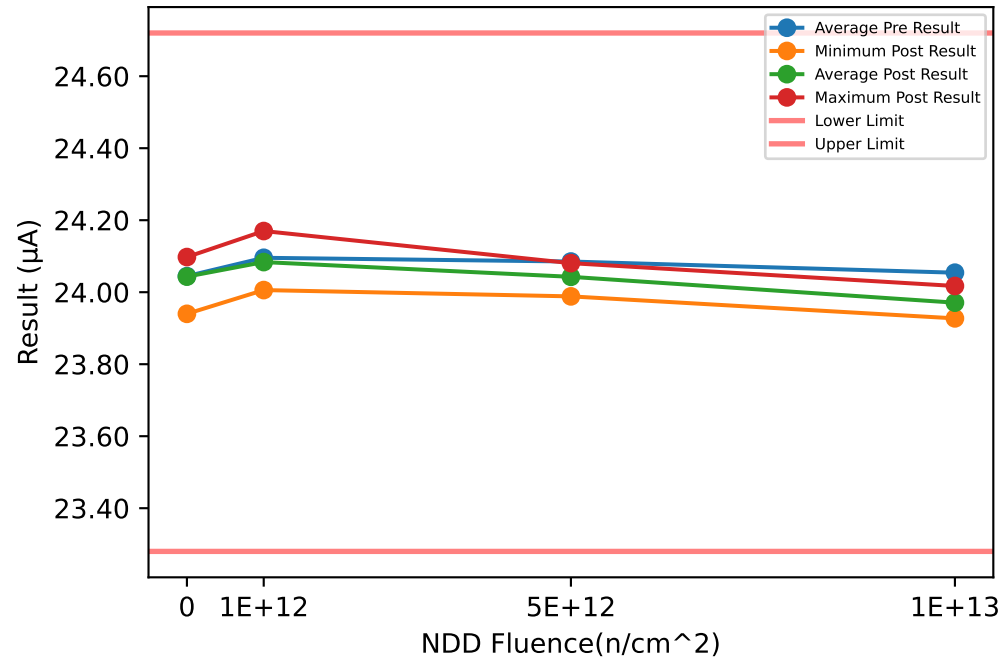
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.128	24.111	-0.0169
314	1e+12	NDD Unbiased	24.047	24.035	-0.0122
315	1e+12	NDD Unbiased	24.044	24.036	-0.0073
316	1e+12	NDD Unbiased	23.982	23.976	-0.0057
317	5e+12	NDD Unbiased	24.126	24.081	-0.0447
318	5e+12	NDD Unbiased	24.036	23.997	-0.0394
320	5e+12	NDD Unbiased	24.071	24.027	-0.0435
321	5e+12	NDD Unbiased	24.104	24.063	-0.0406
322	1e+13	NDD Unbiased	24.005	23.93	-0.0748
323	1e+13	NDD Unbiased	24.079	23.992	-0.0871
324	1e+13	NDD Unbiased	24.034	23.947	-0.0871
325	1e+13	NDD Unbiased	24.147	24.068	-0.0783
326	0	Correlation	24.062	24.06	-0.0014
327	0	Correlation	24.026	24.028	0.0017
328	0	Correlation	23.956	23.958	0.0017

Test Statistics (µA)

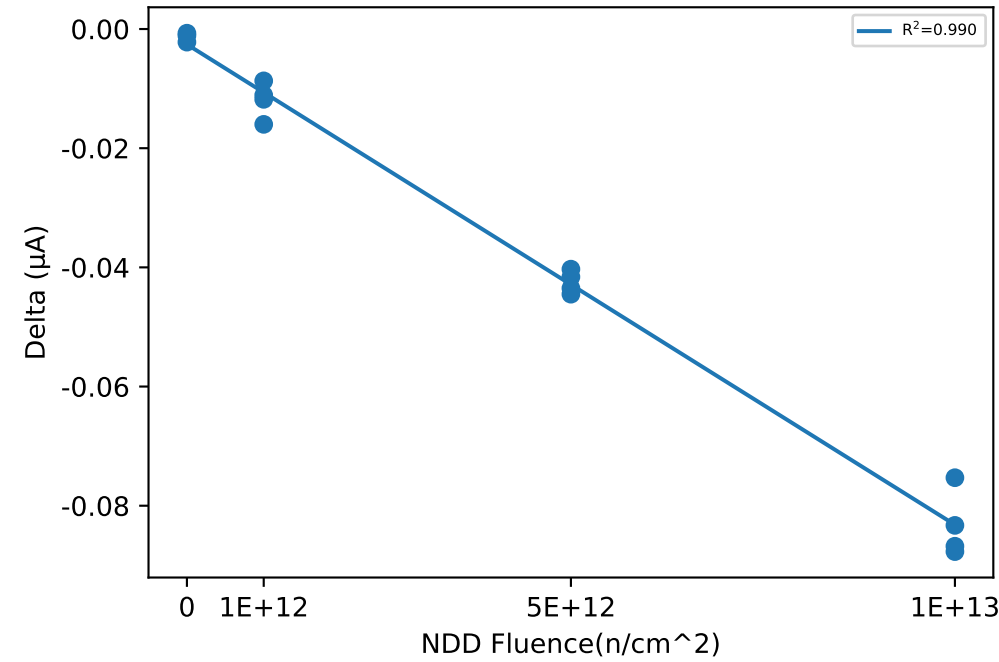
Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.956	24.015	24.062	0.053835	23.958	24.015	24.06	0.052491	-0.0014	0.00066667	0.0017	0.0017898
1e+12	23.982	24.05	24.128	0.060167	23.976	24.04	24.111	0.055518	-0.0169	-0.010525	-0.0057	0.0050704
5e+12	24.036	24.084	24.126	0.039158	23.997	24.042	24.081	0.037585	-0.0447	-0.04205	-0.0394	0.0024664
1e+13	24.005	24.066	24.147	0.061655	23.93	23.984	24.068	0.061741	-0.0871	-0.081825	-0.0748	0.0062564

Device Test: 6.31; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

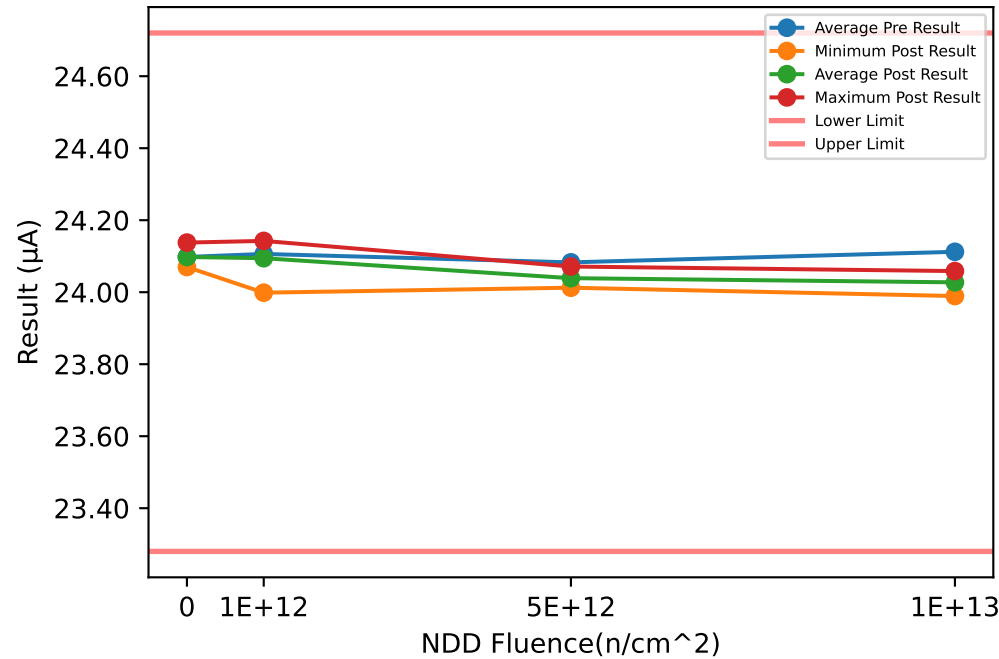
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.186	24.17	-0.016
314	1e+12	NDD Unbiased	24.081	24.07	-0.0111
315	1e+12	NDD Unbiased	24.097	24.089	-0.0087
316	1e+12	NDD Unbiased	24.018	24.006	-0.0118
317	5e+12	NDD Unbiased	24.125	24.081	-0.0445
318	5e+12	NDD Unbiased	24.029	23.988	-0.0403
320	5e+12	NDD Unbiased	24.104	24.061	-0.0435
321	5e+12	NDD Unbiased	24.083	24.041	-0.0416
322	1e+13	NDD Unbiased	24.003	23.927	-0.0753
323	1e+13	NDD Unbiased	24.076	23.988	-0.0877
324	1e+13	NDD Unbiased	24.038	23.951	-0.0868
325	1e+13	NDD Unbiased	24.101	24.017	-0.0833
326	0	Correlation	24.095	24.092	-0.0022
327	0	Correlation	24.099	24.098	-0.0011
328	0	Correlation	23.941	23.94	-0.0007

Test Statistics (µA)

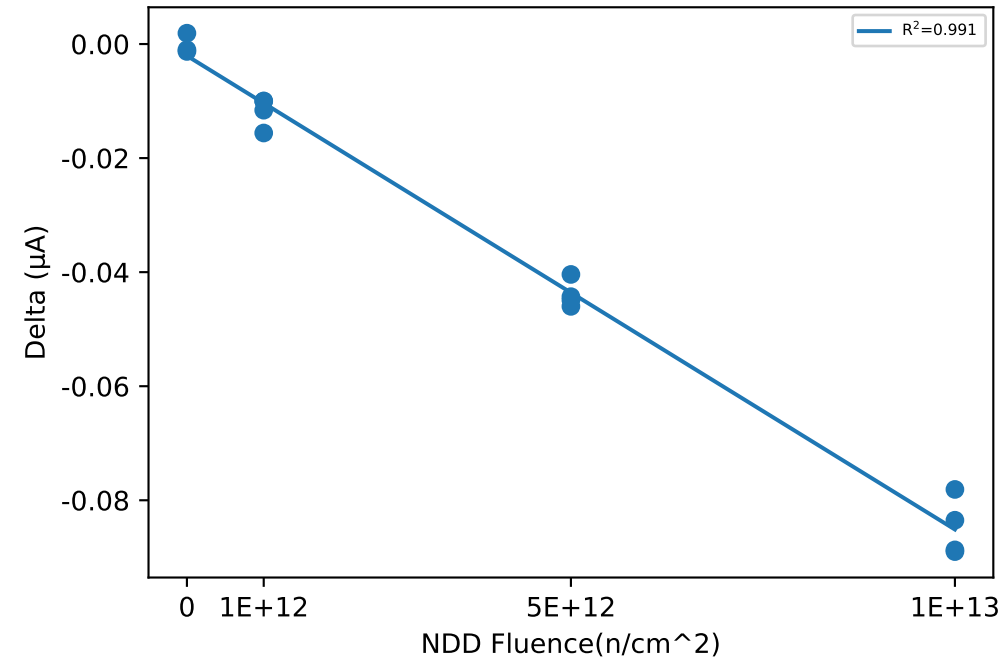
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.941	24.045	24.099	0.090091	23.94	24.043	24.098	0.089557	-0.0022	-0.0013333	-0.0007	0.00077675
1e+12	24.018	24.096	24.186	0.069355	24.006	24.084	24.17	0.067554	-0.016	-0.0119	-0.0087	0.0030386
5e+12	24.029	24.085	24.125	0.041454	23.988	24.043	24.081	0.039645	-0.0445	-0.042475	-0.0403	0.0018839
1e+13	24.003	24.054	24.101	0.043105	23.927	23.971	24.017	0.039867	-0.0877	-0.083275	-0.0753	0.0056453

Device Test: 6.32; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

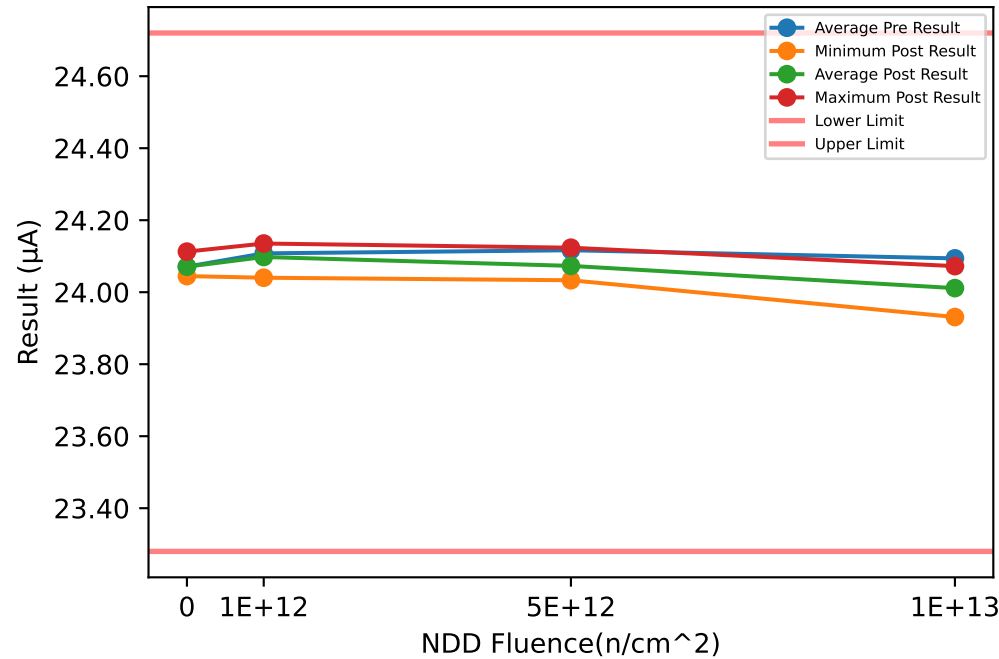
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.158	24.142	-0.0156
314	1e+12	NDD Unbiased	24.111	24.1	-0.0116
315	1e+12	NDD Unbiased	24.147	24.137	-0.01
316	1e+12	NDD Unbiased	24.009	23.999	-0.01
317	5e+12	NDD Unbiased	24.117	24.071	-0.046
318	5e+12	NDD Unbiased	24.053	24.012	-0.0404
320	5e+12	NDD Unbiased	24.093	24.048	-0.0449
321	5e+12	NDD Unbiased	24.069	24.024	-0.0443
322	1e+13	NDD Unbiased	24.067	23.989	-0.0781
323	1e+13	NDD Unbiased	24.148	24.059	-0.089
324	1e+13	NDD Unbiased	24.126	24.037	-0.0887
325	1e+13	NDD Unbiased	24.108	24.024	-0.0835
326	0	Correlation	24.071	24.07	-0.0013
327	0	Correlation	24.139	24.138	-0.001
328	0	Correlation	24.084	24.085	0.0019

Test Statistics (µA)

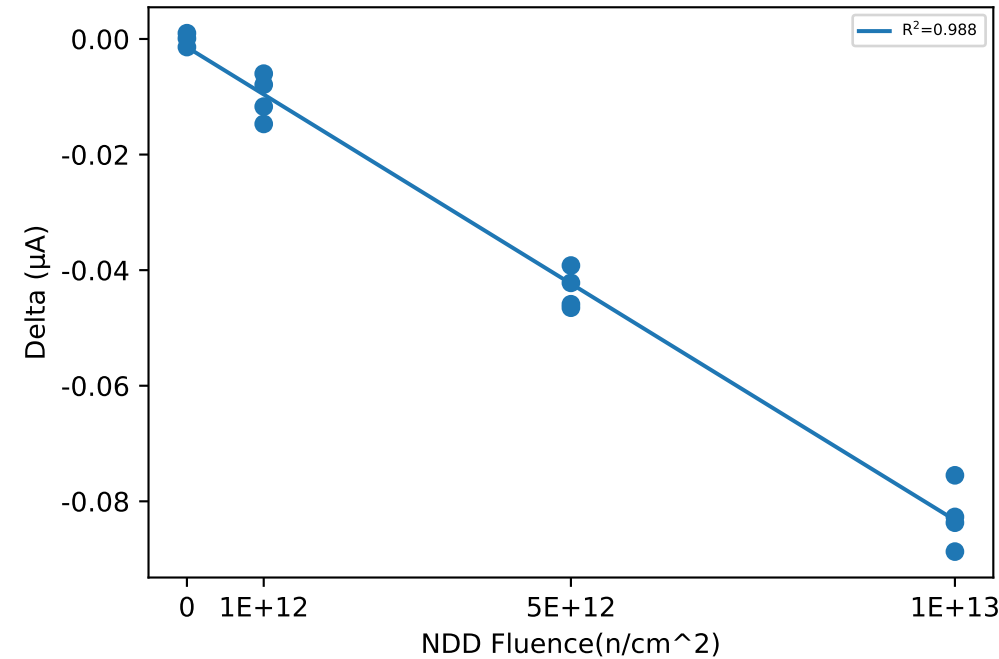
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.071	24.098	24.139	0.03595	24.07	24.098	24.138	0.035526	-0.0013	-0.00013333	0.0019	0.0017673
1e+12	24.009	24.106	24.158	0.067971	23.999	24.094	24.142	0.066541	-0.0156	-0.0118	-0.01	0.0026432
5e+12	24.053	24.083	24.117	0.028149	24.012	24.039	24.071	0.02603	-0.046	-0.0439	-0.0404	0.0024372
1e+13	24.067	24.112	24.148	0.034049	23.989	24.027	24.059	0.029095	-0.089	-0.084825	-0.0781	0.0051455

Device Test: 6.33; IHYS

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



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

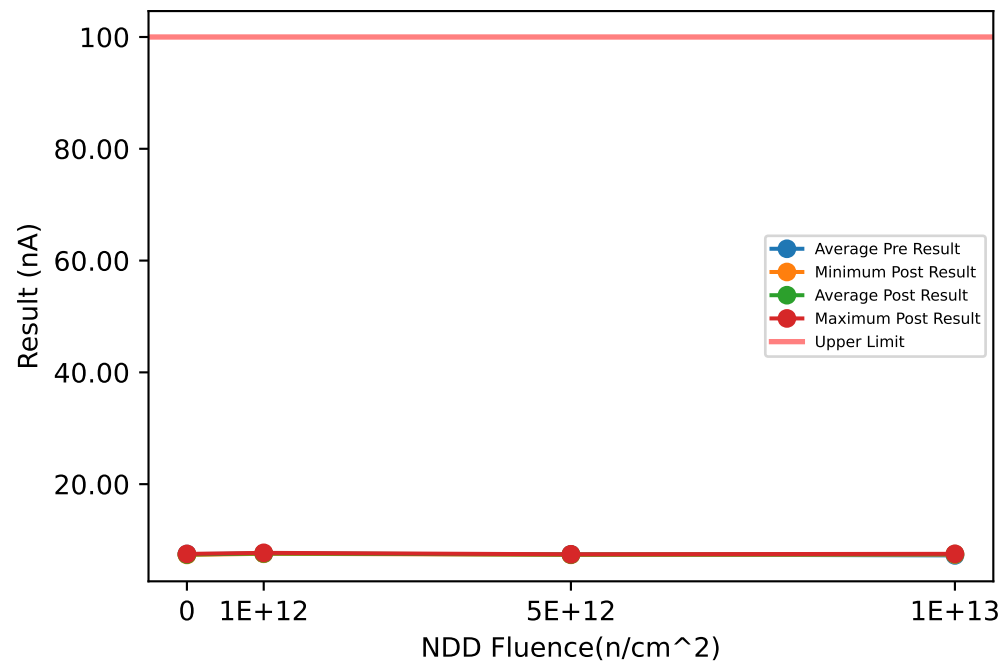
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	24.144	24.129	-0.0147
314	1e+12	NDD Unbiased	24.147	24.135	-0.0117
315	1e+12	NDD Unbiased	24.046	24.04	-0.006
316	1e+12	NDD Unbiased	24.095	24.087	-0.0079
317	5e+12	NDD Unbiased	24.116	24.07	-0.0459
318	5e+12	NDD Unbiased	24.105	24.066	-0.0392
320	5e+12	NDD Unbiased	24.17	24.124	-0.0465
321	5e+12	NDD Unbiased	24.075	24.033	-0.0422
322	1e+13	NDD Unbiased	24.006	23.931	-0.0755
323	1e+13	NDD Unbiased	24.161	24.072	-0.0887
324	1e+13	NDD Unbiased	24.107	24.023	-0.0837
325	1e+13	NDD Unbiased	24.101	24.019	-0.0827
326	0	Correlation	24.114	24.113	-0.0014
327	0	Correlation	24.044	24.045	0.001
328	0	Correlation	24.055	24.055	0.0001

Test Statistics (µA)

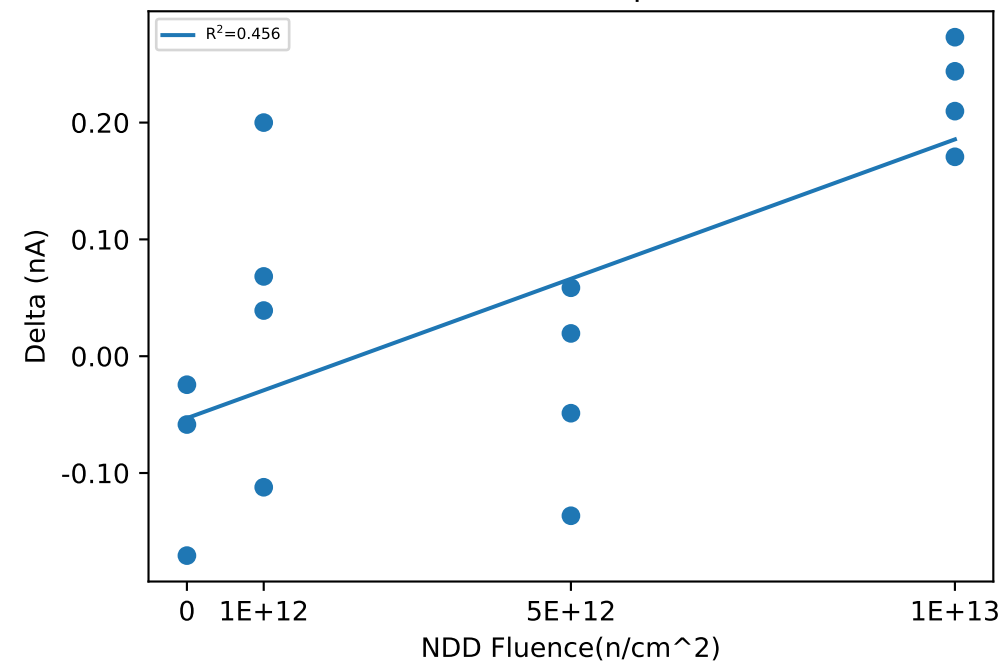
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.044	24.071	24.114	0.037808	24.045	24.071	24.113	0.036629	-0.0014	-0.0001	0.001	0.0012124
1e+12	24.046	24.108	24.147	0.047622	24.04	24.098	24.135	0.044075	-0.0147	-0.010075	-0.006	0.0038888
5e+12	24.075	24.117	24.17	0.039561	24.033	24.073	24.124	0.037448	-0.0465	-0.04345	-0.0392	0.0034122
1e+13	24.006	24.094	24.161	0.064242	23.931	24.011	24.072	0.058818	-0.0887	-0.08265	-0.0755	0.0054415

Device Test: 6.34; ILKG_WDI

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

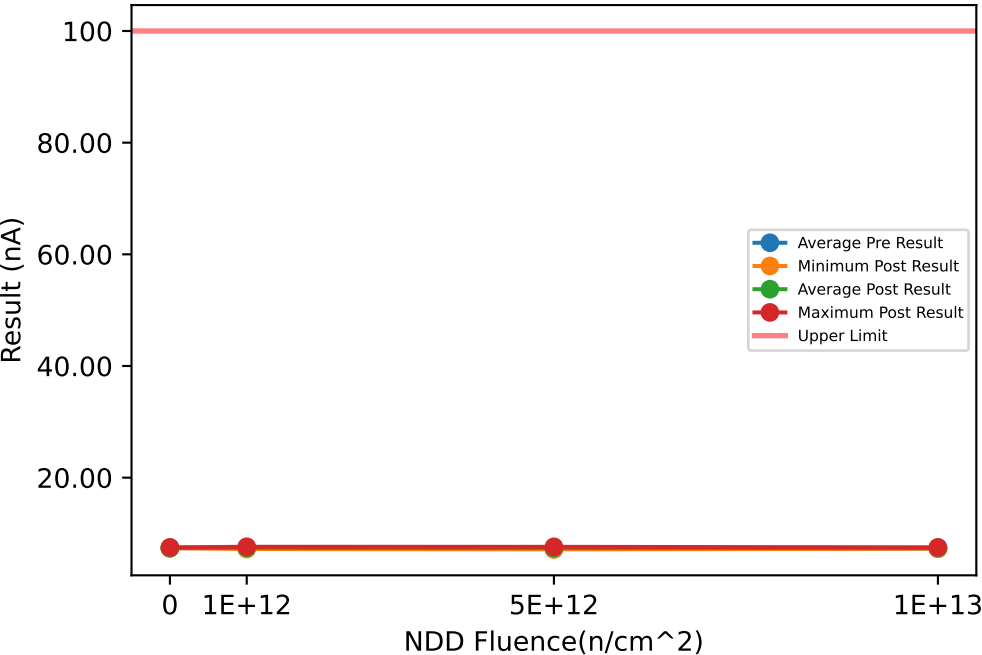
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	7.6093	7.6484	0.0391
314	1e+12	NDD Unbiased	7.5118	7.7118	0.2
315	1e+12	NDD Unbiased	7.4728	7.5411	0.0683
316	1e+12	NDD Unbiased	7.663	7.5508	-0.1122
317	5e+12	NDD Unbiased	7.4045	7.3557	-0.0488
318	5e+12	NDD Unbiased	7.3947	7.4533	0.0586
320	5e+12	NDD Unbiased	7.3703	7.3898	0.0195
321	5e+12	NDD Unbiased	7.5508	7.4142	-0.1366
322	1e+13	NDD Unbiased	7.3264	7.5362	0.2098
323	1e+13	NDD Unbiased	7.2338	7.5069	0.2731
324	1e+13	NDD Unbiased	7.2972	7.4679	0.1707
325	1e+13	NDD Unbiased	7.1606	7.4045	0.2439
326	0	Correlation	7.3996	7.3411	-0.0585
327	0	Correlation	7.5264	7.3557	-0.1707
328	0	Correlation	7.5459	7.5215	-0.0244

Test Statistics (nA)

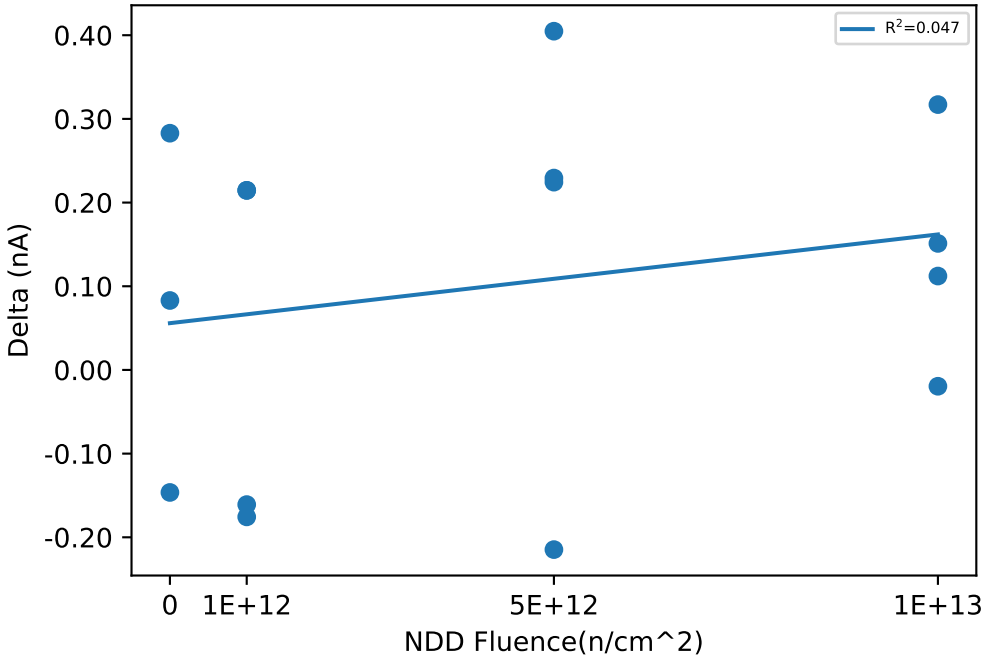
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.3996	7.4906	7.5459	0.079438	7.3411	7.4061	7.5215	0.10021	-0.1707	-0.084533	-0.0244	0.076546
1e+12	7.4728	7.5642	7.663	0.08736	7.5411	7.613	7.7118	0.081758	-0.1122	0.0488	0.2	0.12814
5e+12	7.3703	7.4301	7.5508	0.081758	7.3557	7.4032	7.4533	0.041097	-0.1366	-0.026825	0.0586	0.08559
1e+13	7.1606	7.2545	7.3264	0.073572	7.4045	7.4789	7.5362	0.056932	0.1707	0.22438	0.2731	0.044154

Device Test: 6.35; ILKG_WDI

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

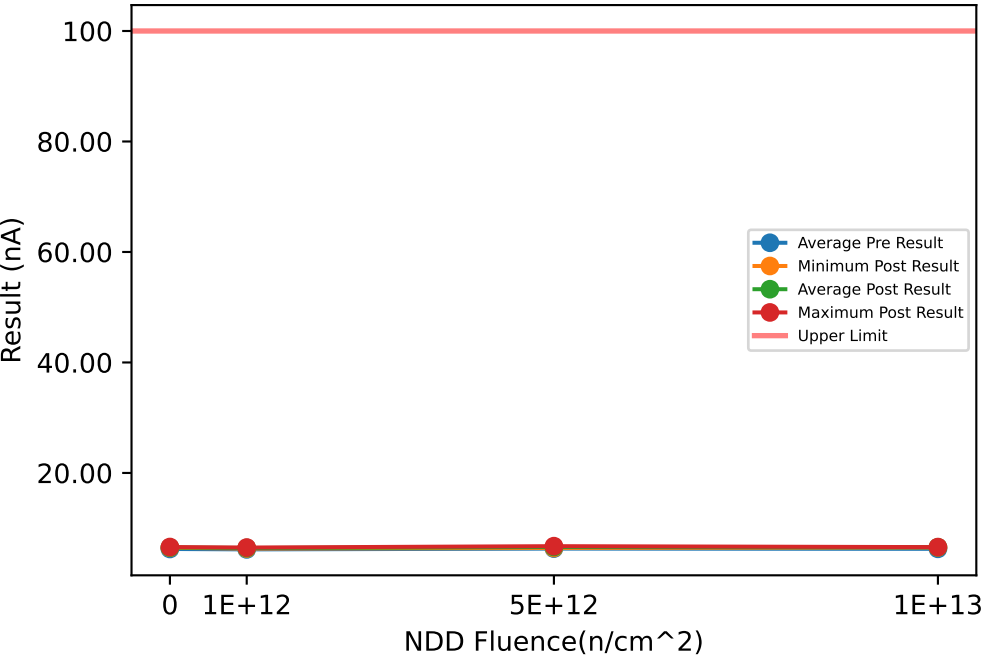
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	7.4825	7.3216	-0.1609
314	1e+12	NDD Unbiased	7.3167	7.5313	0.2146
315	1e+12	NDD Unbiased	7.3947	7.2191	-0.1756
316	1e+12	NDD Unbiased	7.4045	7.6191	0.2146
317	5e+12	NDD Unbiased	7.063	7.2923	0.2293
318	5e+12	NDD Unbiased	7.2484	7.4728	0.2244
320	5e+12	NDD Unbiased	7.3655	7.1508	-0.2147
321	5e+12	NDD Unbiased	7.2045	7.6093	0.4048
322	1e+13	NDD Unbiased	7.1655	7.2777	0.1122
323	1e+13	NDD Unbiased	7.1996	7.5167	0.3171
324	1e+13	NDD Unbiased	7.3947	7.3752	-0.0195
325	1e+13	NDD Unbiased	7.3655	7.5167	0.1512
326	0	Correlation	7.2338	7.5167	0.2829
327	0	Correlation	7.5411	7.3947	-0.1464
328	0	Correlation	7.2825	7.3655	0.083

Test Statistics (nA)

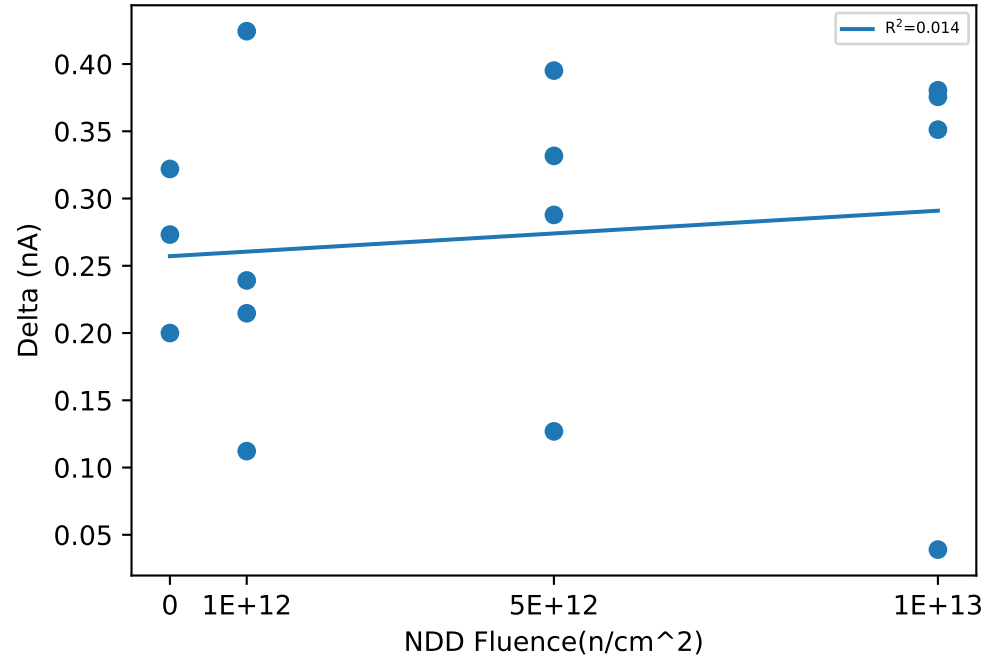
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.2338	7.3525	7.5411	0.16517	7.3655	7.4256	7.5167	0.080206	-0.1464	0.073167	0.2829	0.21482
1e+12	7.3167	7.3996	7.4825	0.067806	7.2191	7.4228	7.6191	0.18443	-0.1756	0.023175	0.2146	0.22112
5e+12	7.063	7.2203	7.3655	0.12499	7.1508	7.3813	7.6093	0.20117	-0.2147	0.16095	0.4048	0.26412
1e+13	7.1655	7.2813	7.3947	0.11552	7.2777	7.4216	7.5167	0.11683	-0.0195	0.14025	0.3171	0.13869

Device Test: 6.36; ILKG_MODE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

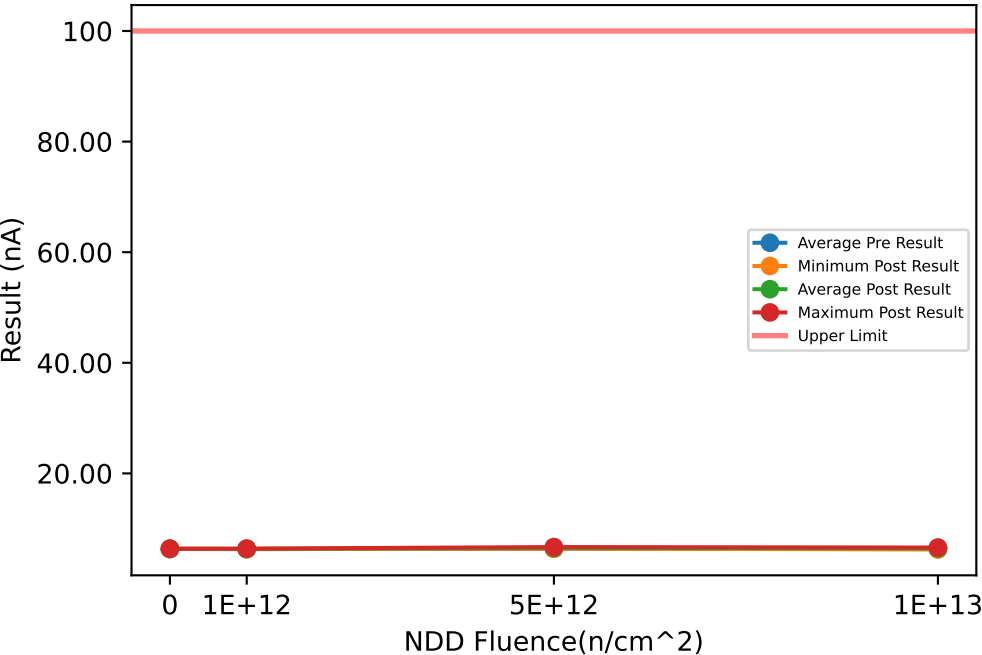
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	6.075	6.3141	0.2391
314	1e+12	NDD Unbiased	6.1287	6.3434	0.2147
315	1e+12	NDD Unbiased	6.3873	6.4995	0.1122
316	1e+12	NDD Unbiased	6.0604	6.4848	0.4244
317	5e+12	NDD Unbiased	6.4068	6.7385	0.3317
318	5e+12	NDD Unbiased	6.4605	6.7483	0.2878
320	5e+12	NDD Unbiased	6.3336	6.4605	0.1269
321	5e+12	NDD Unbiased	6.0263	6.4214	0.3951
322	1e+13	NDD Unbiased	6.2019	6.5775	0.3756
323	1e+13	NDD Unbiased	6.2068	6.558	0.3512
324	1e+13	NDD Unbiased	6.519	6.558	0.039
325	1e+13	NDD Unbiased	6.1287	6.5092	0.3805
326	0	Correlation	6.3922	6.5922	0.2
327	0	Correlation	6.1482	6.4702	0.322
328	0	Correlation	6.1775	6.4507	0.2732

Test Statistics (nA)

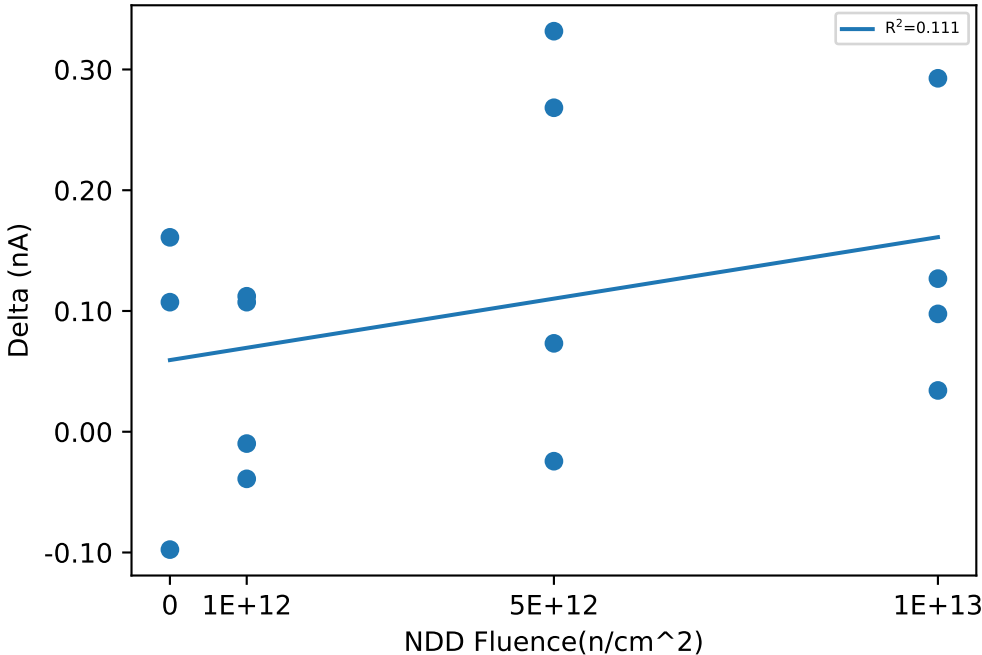
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1482	6.2393	6.3922	0.13322	6.4507	6.5044	6.5922	0.076688	0.2	0.26507	0.322	0.061405
1e+12	6.0604	6.1628	6.3873	0.15249	6.3141	6.4104	6.4995	0.095284	0.1122	0.2476	0.4244	0.13006
5e+12	6.0263	6.3068	6.4605	0.1941	6.4214	6.5922	6.7483	0.17539	0.1269	0.28538	0.3951	0.11446
1e+13	6.1287	6.2641	6.519	0.17365	6.5092	6.5507	6.5775	0.029138	0.039	0.28657	0.3805	0.16555

Device Test: 6.37; ILKG_MODE

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

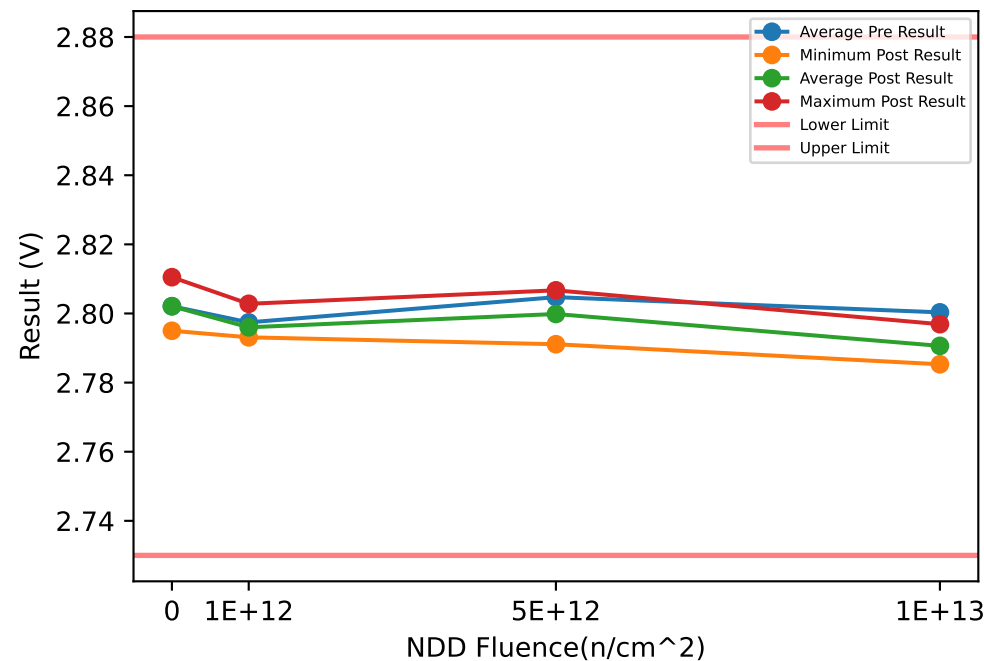
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	6.2848	6.397	0.1122
314	1e+12	NDD Unbiased	6.3482	6.3092	-0.039
315	1e+12	NDD Unbiased	6.3678	6.358	-0.0098
316	1e+12	NDD Unbiased	6.2312	6.3385	0.1073
317	5e+12	NDD Unbiased	6.4897	6.5629	0.0732
318	5e+12	NDD Unbiased	6.7044	6.68	-0.0244
320	5e+12	NDD Unbiased	6.1873	6.519	0.3317
321	5e+12	NDD Unbiased	6.119	6.3873	0.2683
322	1e+13	NDD Unbiased	6.358	6.4556	0.0976
323	1e+13	NDD Unbiased	6.3141	6.4409	0.1268
324	1e+13	NDD Unbiased	6.2995	6.5922	0.2927
325	1e+13	NDD Unbiased	6.2214	6.2556	0.0342
326	0	Correlation	6.4605	6.3629	-0.0976
327	0	Correlation	6.2116	6.3726	0.161
328	0	Correlation	6.2702	6.3775	0.1073

Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.2116	6.3141	6.4605	0.13013	6.3629	6.371	6.3775	0.0074303	-0.0976	0.0569	0.161	0.13647
1e+12	6.2312	6.308	6.3678	0.062259	6.3092	6.3507	6.397	0.036824	-0.039	0.042675	0.1122	0.078389
5e+12	6.119	6.3751	6.7044	0.27229	6.3873	6.5373	6.68	0.1209	-0.0244	0.1622	0.3317	0.16606
1e+13	6.2214	6.2982	6.358	0.056947	6.2556	6.4361	6.5922	0.13826	0.0342	0.13783	0.2927	0.11025

Device Test: 6.38; UVLO_RISE

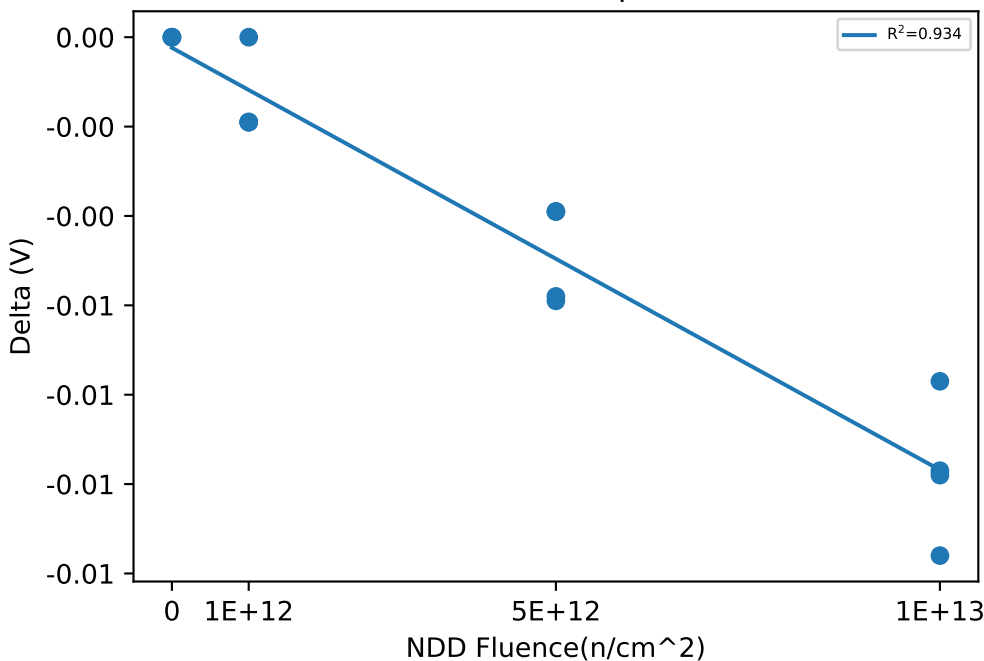
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.795	2.7931	-0.0019
314	1e+12	NDD Unbiased	2.795	2.795	0
315	1e+12	NDD Unbiased	2.8047	2.8028	-0.0019
316	1e+12	NDD Unbiased	2.795	2.7931	-0.0019
317	5e+12	NDD Unbiased	2.795	2.7911	-0.0039
318	5e+12	NDD Unbiased	2.8086	2.8047	-0.0039
320	5e+12	NDD Unbiased	2.8125	2.8067	-0.0058
321	5e+12	NDD Unbiased	2.8028	2.7969	-0.0059
322	1e+13	NDD Unbiased	2.8067	2.7969	-0.0098
323	1e+13	NDD Unbiased	2.7969	2.7892	-0.0077
324	1e+13	NDD Unbiased	2.8008	2.7911	-0.0097
325	1e+13	NDD Unbiased	2.7969	2.7853	-0.0116
326	0	Correlation	2.8105	2.8105	0
327	0	Correlation	2.795	2.795	0
328	0	Correlation	2.8008	2.8008	0

NDD vs Post - Pre Exposure Delta

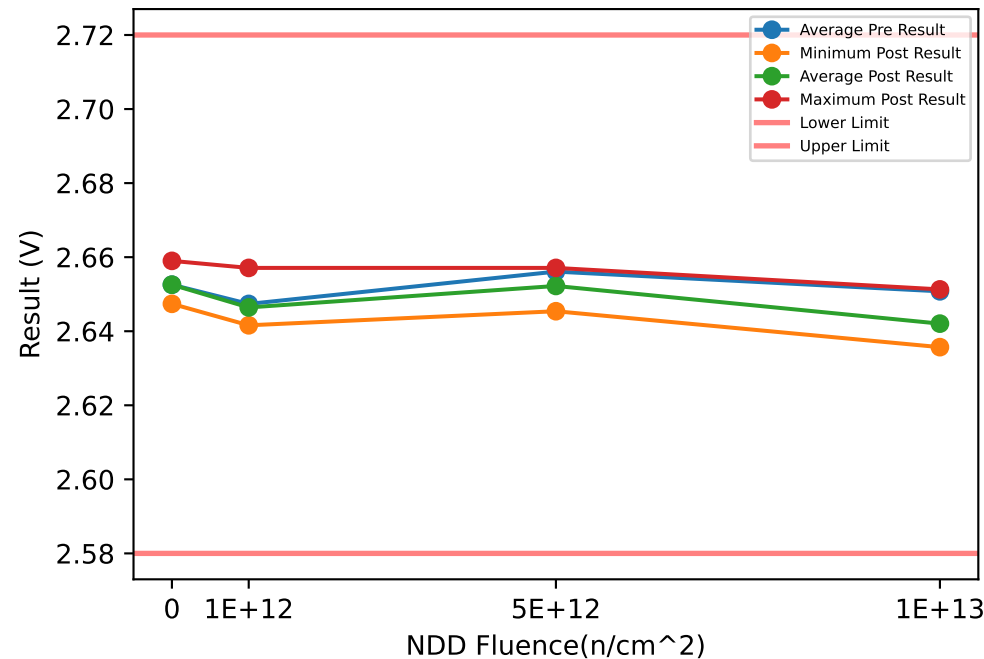


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.795	2.8021	2.8105	0.0078313	2.795	2.8021	2.8105	0.0078313	0	0	0	0
1e+12	2.795	2.7974	2.8047	0.00485	2.7931	2.796	2.8028	0.004621	-0.0019	-0.001425	0	0.00095
5e+12	2.795	2.8047	2.8125	0.0076102	2.7911	2.7999	2.8067	0.0072044	-0.0059	-0.004875	-0.0039	0.0011266
1e+13	2.7969	2.8003	2.8067	0.0046306	2.7853	2.7906	2.7969	0.00483	-0.0116	-0.0097	-0.0077	0.0015937

Device Test: 6.39; UVLO_FALL

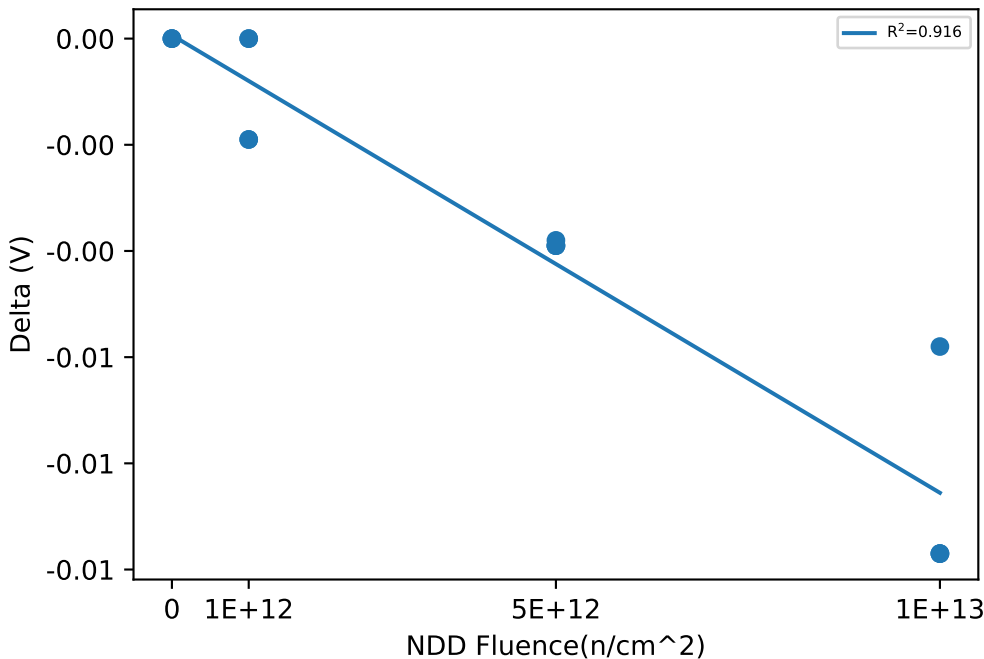
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	2.6435	2.6416	-0.0019
314	1e+12	NDD Unbiased	2.6454	2.6435	-0.0019
315	1e+12	NDD Unbiased	2.6571	2.6571	0
316	1e+12	NDD Unbiased	2.6435	2.6435	0
317	5e+12	NDD Unbiased	2.6493	2.6454	-0.0039
318	5e+12	NDD Unbiased	2.661	2.6571	-0.0039
320	5e+12	NDD Unbiased	2.659	2.6551	-0.0039
321	5e+12	NDD Unbiased	2.6551	2.6513	-0.0038
322	1e+13	NDD Unbiased	2.6571	2.6513	-0.0058
323	1e+13	NDD Unbiased	2.6513	2.6416	-0.0097
324	1e+13	NDD Unbiased	2.6454	2.6357	-0.0097
325	1e+13	NDD Unbiased	2.6493	2.6396	-0.0097
326	0	Correlation	2.659	2.659	0
327	0	Correlation	2.6474	2.6474	0
328	0	Correlation	2.6513	2.6513	0

NDD vs Post - Pre Exposure Delta

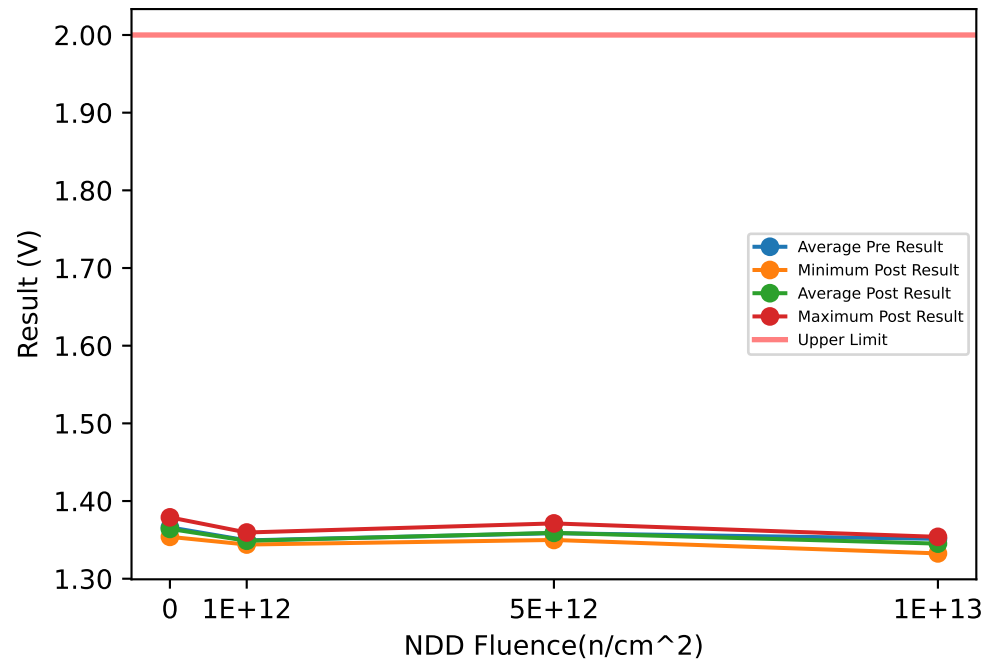


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6474	2.6526	2.659	0.0059028	2.6474	2.6526	2.659	0.0059028	0	0	0	0
1e+12	2.6435	2.6474	2.6571	0.0065449	2.6416	2.6464	2.6571	0.0071728	-0.0019	-0.00095	0	0.001097
5e+12	2.6493	2.6561	2.661	0.005153	2.6454	2.6522	2.6571	0.0051468	-0.0039	-0.003875	-0.0038	5e-05
1e+13	2.6454	2.6508	2.6571	0.0048767	2.6357	2.6421	2.6513	0.0066355	-0.0097	-0.008725	-0.0058	0.00195

Device Test: 6.40; VIN_VALID

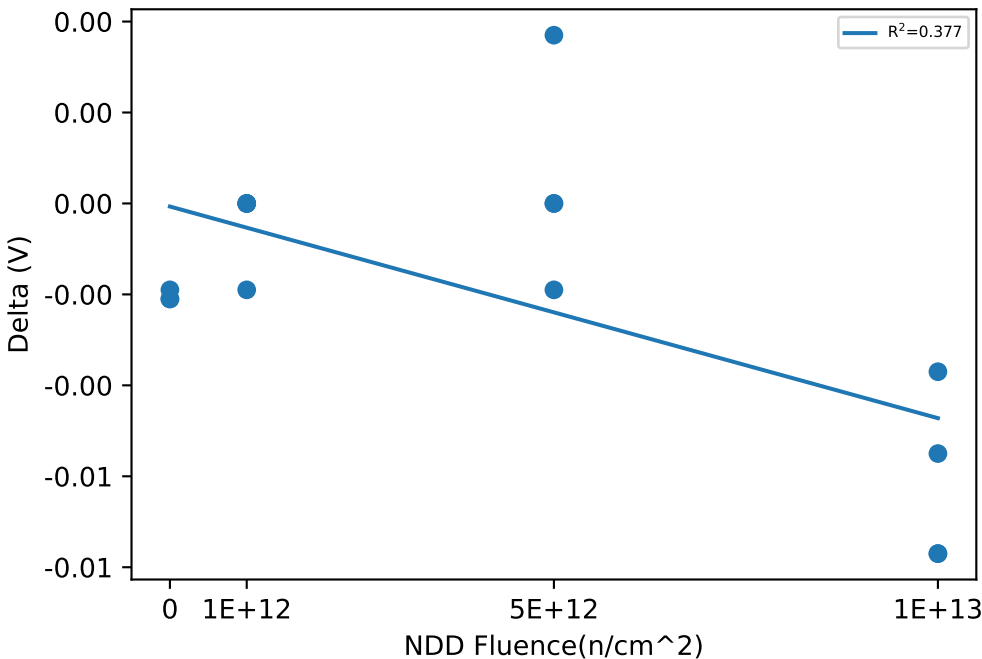
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.3595	1.3595	0
314	1e+12	NDD Unbiased	1.348	1.348	0
315	1e+12	NDD Unbiased	1.344	1.344	0
316	1e+12	NDD Unbiased	1.3459	1.344	-0.0019
317	5e+12	NDD Unbiased	1.3731	1.3712	-0.0019
318	5e+12	NDD Unbiased	1.3499	1.3499	0
320	5e+12	NDD Unbiased	1.3539	1.3576	0.0037
321	5e+12	NDD Unbiased	1.3576	1.3576	0
322	1e+13	NDD Unbiased	1.348	1.3403	-0.0077
323	1e+13	NDD Unbiased	1.3576	1.3539	-0.0037
324	1e+13	NDD Unbiased	1.3381	1.3326	-0.0055
325	1e+13	NDD Unbiased	1.3616	1.3539	-0.0077
326	0	Correlation	1.3558	1.3539	-0.0019
327	0	Correlation	1.3811	1.379	-0.0021
328	0	Correlation	1.3616	1.3595	-0.0021

NDD vs Post - Pre Exposure Delta

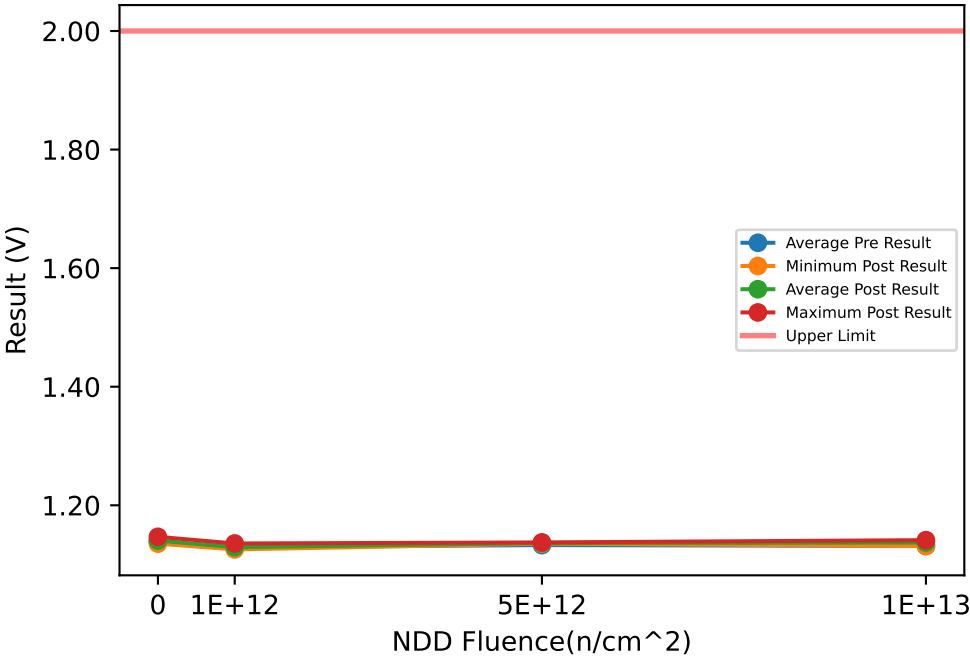


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3558	1.3662	1.3811	0.013254	1.3539	1.3641	1.379	0.013176	-0.0021	-0.0020333	-0.0019	0.00011547
1e+12	1.344	1.3494	1.3595	0.0069611	1.344	1.3489	1.3595	0.00733	-0.0019	-0.000475	0	0.00095
5e+12	1.3499	1.3586	1.3731	0.010149	1.3499	1.3591	1.3712	0.0088609	-0.0019	0.00045	0.0037	0.0023445
1e+13	1.3381	1.3513	1.3616	0.010502	1.3326	1.3452	1.3539	0.010554	-0.0077	-0.00615	-0.0037	0.0019348

Device Test: 6.41; VIN_VALID

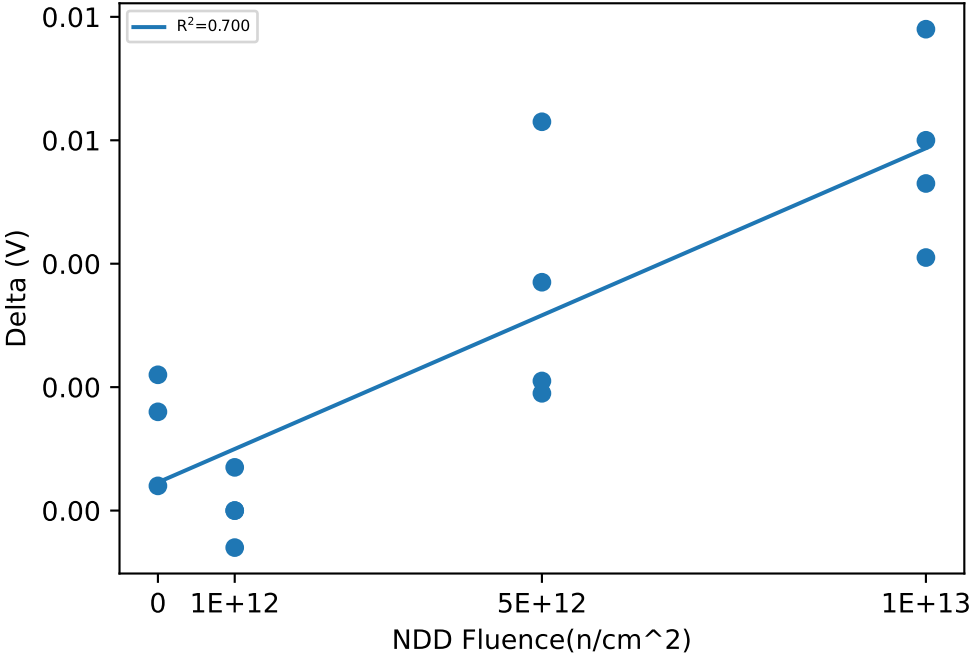
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1349	1.1356	0.0007
314	1e+12	NDD Unbiased	1.1296	1.129	-0.0006
315	1e+12	NDD Unbiased	1.1271	1.1271	0
316	1e+12	NDD Unbiased	1.1256	1.1256	0
317	5e+12	NDD Unbiased	1.1334	1.1371	0.0037
318	5e+12	NDD Unbiased	1.1337	1.1356	0.0019
320	5e+12	NDD Unbiased	1.129	1.1353	0.0063
321	5e+12	NDD Unbiased	1.1353	1.1374	0.0021
322	1e+13	NDD Unbiased	1.1293	1.1353	0.006
323	1e+13	NDD Unbiased	1.1334	1.1412	0.0078
324	1e+13	NDD Unbiased	1.1259	1.1312	0.0053
325	1e+13	NDD Unbiased	1.1371	1.1412	0.0041
326	0	Correlation	1.1349	1.1353	0.0004
327	0	Correlation	1.1452	1.1468	0.0016
328	0	Correlation	1.1371	1.1393	0.0022

NDD vs Post - Pre Exposure Delta

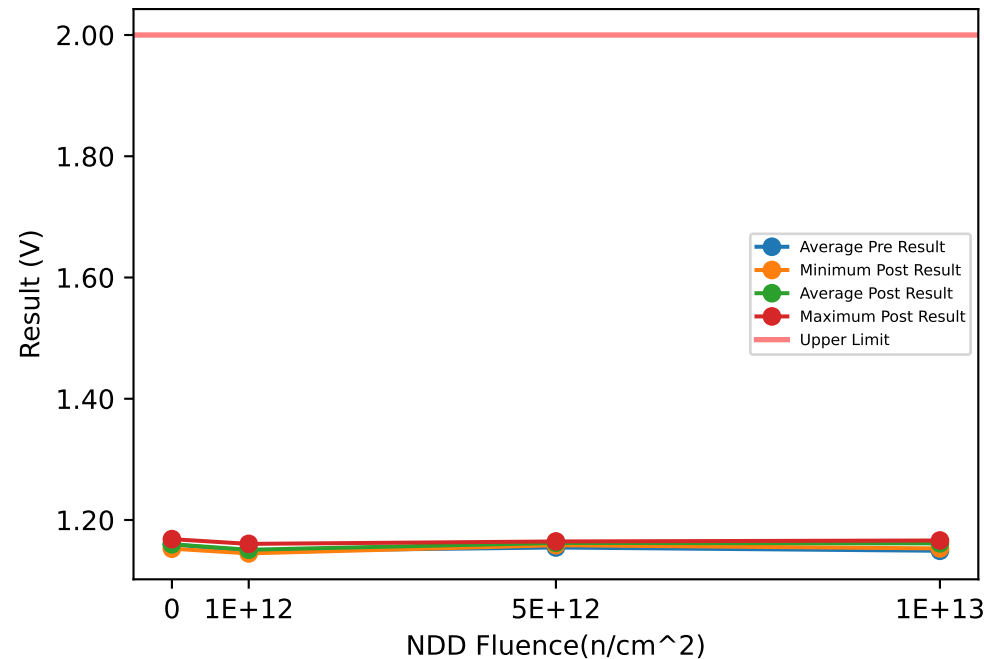


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1349	1.1391	1.1452	0.0054243	1.1353	1.1405	1.1468	0.0058381	0.0004	0.0014	0.0022	0.00091652
1e+12	1.1256	1.1293	1.1349	0.0040817	1.1256	1.1293	1.1356	0.0044086	-0.0006	2.5e-05	0.0007	0.00053151
5e+12	1.129	1.1328	1.1353	0.0026988	1.1353	1.1363	1.1374	0.0010536	0.0019	0.0035	0.0063	0.0020331
1e+13	1.1259	1.1314	1.1371	0.0048699	1.1312	1.1372	1.1412	0.0048856	0.0041	0.0058	0.0078	0.001547

Device Test: 6.42; VIN_VALID

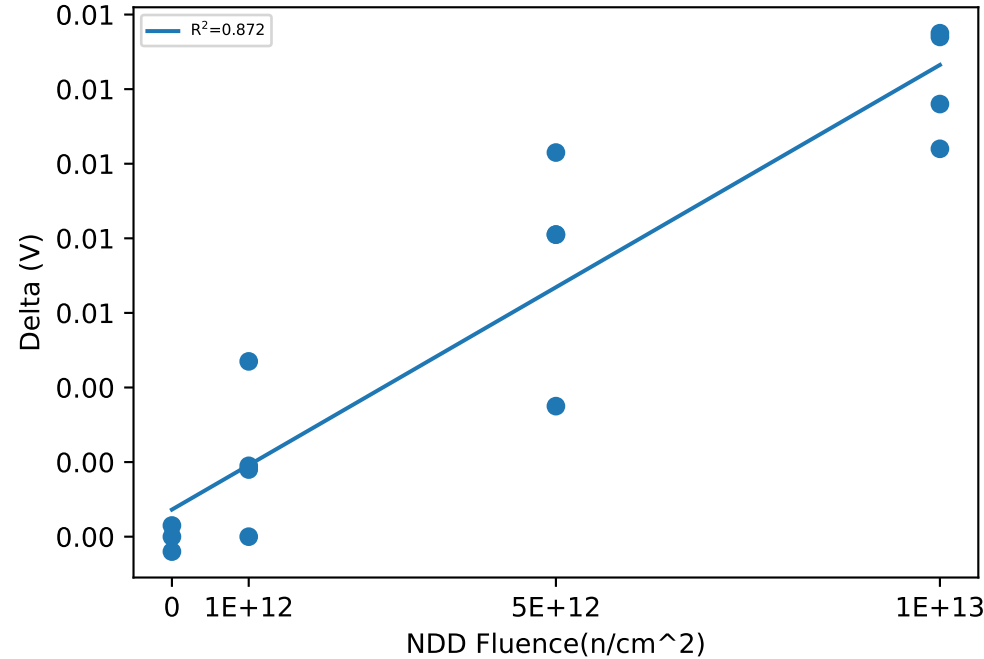
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1606	1.1606	0
314	1e+12	NDD Unbiased	1.1468	1.1515	0.0047
315	1e+12	NDD Unbiased	1.1449	1.1468	0.0019
316	1e+12	NDD Unbiased	1.1431	1.1449	0.0018
317	5e+12	NDD Unbiased	1.1565	1.1646	0.0081
318	5e+12	NDD Unbiased	1.1549	1.1584	0.0035
320	5e+12	NDD Unbiased	1.1524	1.1627	0.0103
321	5e+12	NDD Unbiased	1.1546	1.1627	0.0081
322	1e+13	NDD Unbiased	1.1468	1.1602	0.0134
323	1e+13	NDD Unbiased	1.1527	1.1662	0.0135
324	1e+13	NDD Unbiased	1.1427	1.1531	0.0104
325	1e+13	NDD Unbiased	1.1546	1.1662	0.0116
326	0	Correlation	1.1531	1.1527	-0.0004
327	0	Correlation	1.1684	1.1684	0
328	0	Correlation	1.1584	1.1587	0.0003

NDD vs Post - Pre Exposure Delta

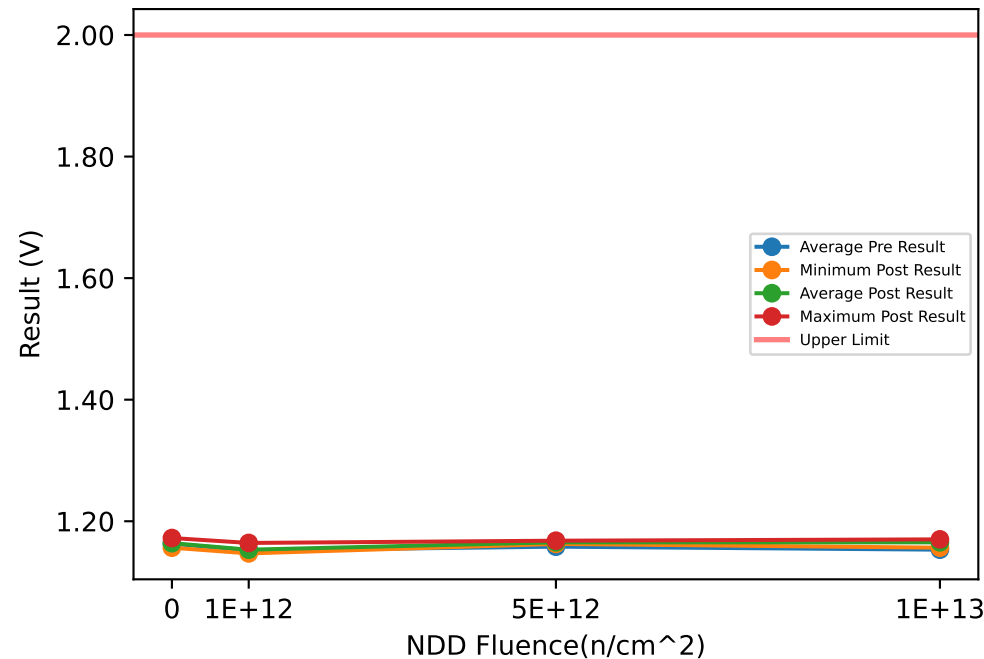


Test Statistics (V)

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	1.1531	1.16	1.1684	0.0077694	1.1527	1.1599	1.1684	0.0079223	-0.0004	-3.3333e-05	0.0003	0.00035119
1e+12	1.1431	1.1488	1.1606	0.0079777	1.1449	1.1509	1.1606	0.0070059	0	0.0021	0.0047	0.0019408
5e+12	1.1524	1.1546	1.1565	0.0016872	1.1584	1.1621	1.1646	0.0026242	0.0035	0.0075	0.0103	0.0028612
1e+13	1.1427	1.1492	1.1546	0.0054595	1.1531	1.1614	1.1662	0.0062292	0.0104	0.012225	0.0135	0.0014975

Device Test: 6.43; VIN_VALID

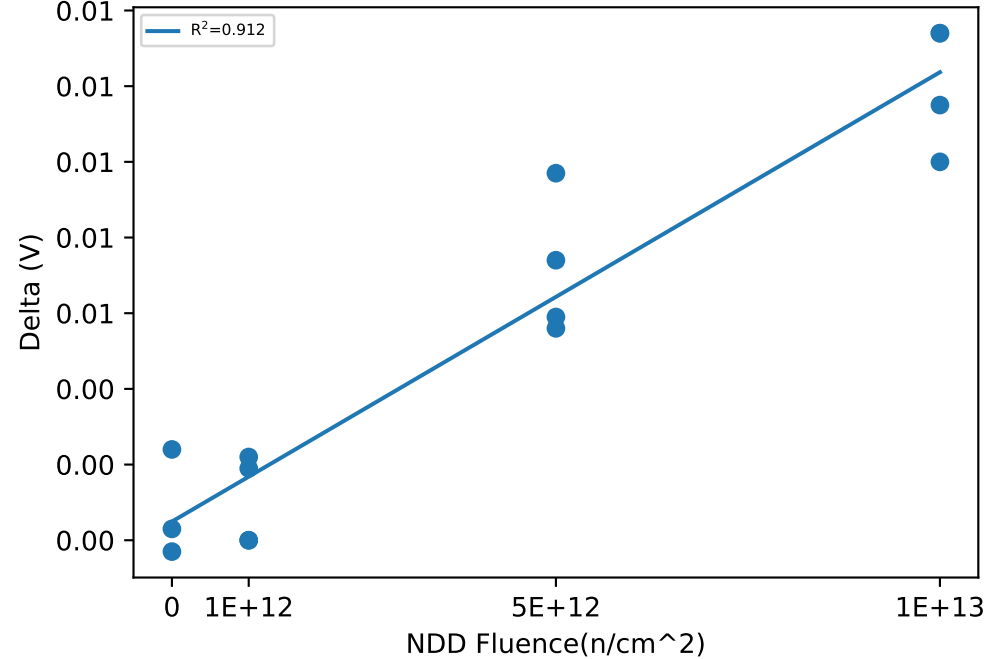
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1621	1.1643	0.0022
314	1e+12	NDD Unbiased	1.1527	1.1527	0
315	1e+12	NDD Unbiased	1.1468	1.1487	0.0019
316	1e+12	NDD Unbiased	1.1471	1.1471	0
317	5e+12	NDD Unbiased	1.1606	1.168	0.0074
318	5e+12	NDD Unbiased	1.1568	1.1627	0.0059
320	5e+12	NDD Unbiased	1.1565	1.1662	0.0097
321	5e+12	NDD Unbiased	1.1587	1.1643	0.0056
322	1e+13	NDD Unbiased	1.1509	1.1643	0.0134
323	1e+13	NDD Unbiased	1.1568	1.1702	0.0134
324	1e+13	NDD Unbiased	1.1465	1.1565	0.01
325	1e+13	NDD Unbiased	1.1587	1.1702	0.0115
326	0	Correlation	1.1568	1.1565	-0.0003
327	0	Correlation	1.1721	1.1724	0.0003
328	0	Correlation	1.1606	1.163	0.0024

NDD vs Post - Pre Exposure Delta

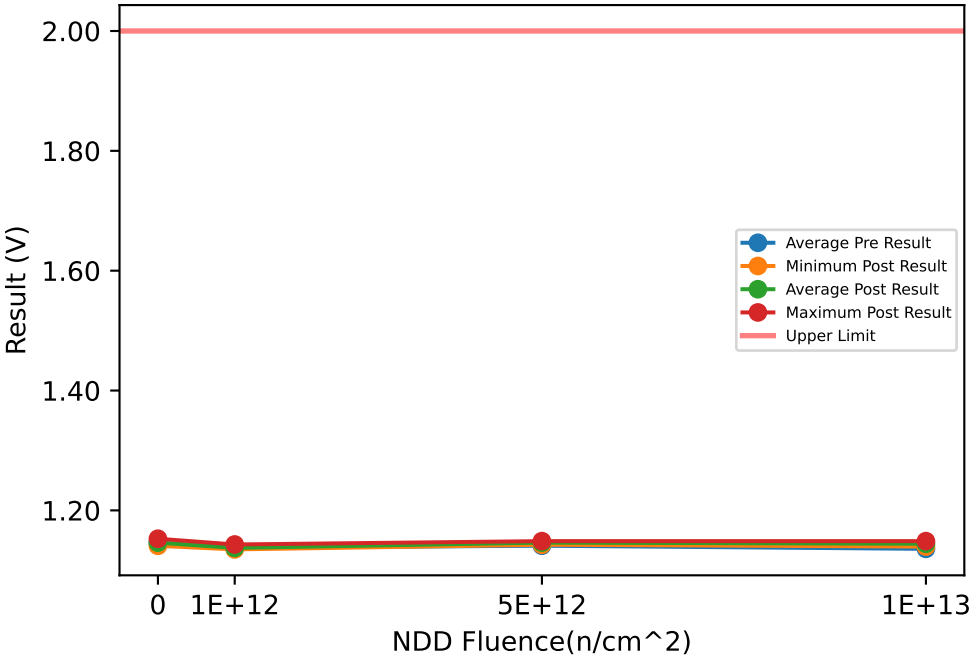


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1568	1.1632	1.1721	0.0079664	1.1565	1.164	1.1724	0.007994	-0.0003	0.0008	0.0024	0.0014177
1e+12	1.1468	1.1522	1.1621	0.0071514	1.1471	1.1532	1.1643	0.0077657	0	0.001025	0.0022	0.0011899
5e+12	1.1565	1.1582	1.1606	0.0019018	1.1627	1.1653	1.168	0.0022993	0.0056	0.00715	0.0097	0.0018735
1e+13	1.1465	1.1532	1.1587	0.0055794	1.1565	1.1653	1.1702	0.0064926	0.01	0.012075	0.0134	0.001648

Device Test: 6.44; VIN_VALID

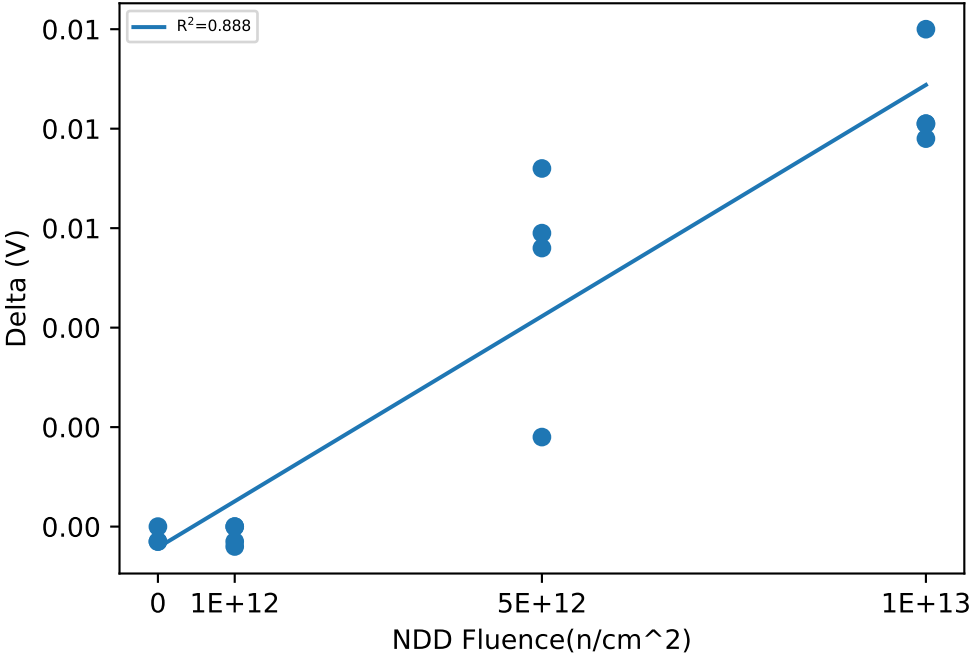
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1431	1.1431	0
314	1e+12	NDD Unbiased	1.1371	1.1368	-0.0003
315	1e+12	NDD Unbiased	1.1353	1.1349	-0.0004
316	1e+12	NDD Unbiased	1.1349	1.1349	0
317	5e+12	NDD Unbiased	1.1431	1.1487	0.0056
318	5e+12	NDD Unbiased	1.1409	1.1427	0.0018
320	5e+12	NDD Unbiased	1.1393	1.1465	0.0072
321	5e+12	NDD Unbiased	1.1409	1.1468	0.0059
322	1e+13	NDD Unbiased	1.1353	1.1434	0.0081
323	1e+13	NDD Unbiased	1.1356	1.1456	0.01
324	1e+13	NDD Unbiased	1.1315	1.1396	0.0081
325	1e+13	NDD Unbiased	1.1409	1.1487	0.0078
326	0	Correlation	1.1412	1.1409	-0.0003
327	0	Correlation	1.1527	1.1527	0
328	0	Correlation	1.1452	1.1449	-0.0003

NDD vs Post - Pre Exposure Delta

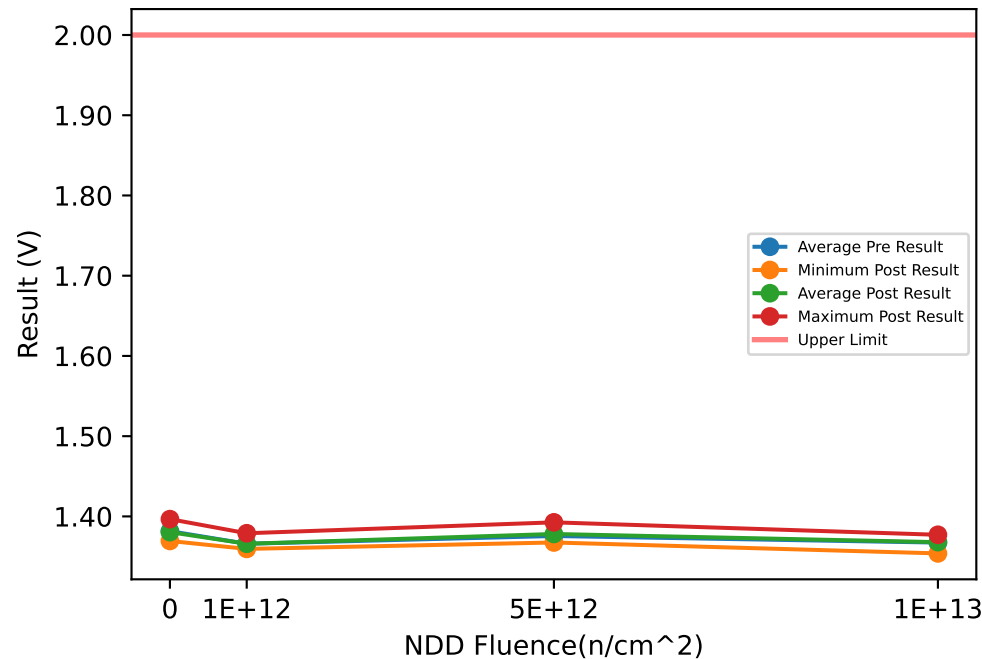


Test Statistics (V)

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	1.1412	1.1464	1.1527	0.0058381	1.1409	1.1462	1.1527	0.0060011	-0.0003	-0.0002	0	0.00017321
1e+12	1.1349	1.1376	1.1431	0.0037895	1.1349	1.1374	1.1431	0.0038879	-0.0004	-0.000175	0	0.00020616
5e+12	1.1393	1.141	1.1431	0.001561	1.1427	1.1462	1.1487	0.0025131	0.0018	0.005125	0.0072	0.0023229
1e+13	1.1315	1.1358	1.1409	0.0038638	1.1396	1.1443	1.1487	0.0038274	0.0078	0.0085	0.01	0.00101

Device Test: 6.45; VIN_VALID

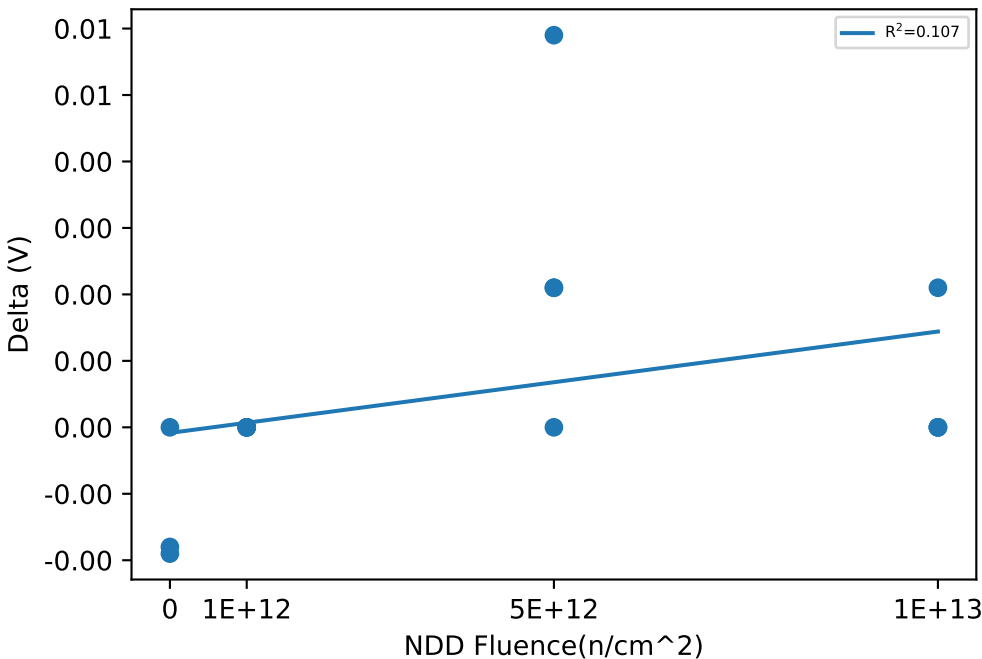
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.379	1.379	0
314	1e+12	NDD Unbiased	1.3635	1.3635	0
315	1e+12	NDD Unbiased	1.3595	1.3595	0
316	1e+12	NDD Unbiased	1.3616	1.3616	0
317	5e+12	NDD Unbiased	1.3926	1.3926	0
318	5e+12	NDD Unbiased	1.3654	1.3675	0.0021
320	5e+12	NDD Unbiased	1.3712	1.3771	0.0059
321	5e+12	NDD Unbiased	1.3731	1.3752	0.0021
322	1e+13	NDD Unbiased	1.3654	1.3654	0
323	1e+13	NDD Unbiased	1.3731	1.3752	0.0021
324	1e+13	NDD Unbiased	1.3539	1.3539	0
325	1e+13	NDD Unbiased	1.3771	1.3771	0
326	0	Correlation	1.3694	1.3694	0
327	0	Correlation	1.3984	1.3966	-0.0018
328	0	Correlation	1.3771	1.3752	-0.0019

NDD vs Post - Pre Exposure Delta

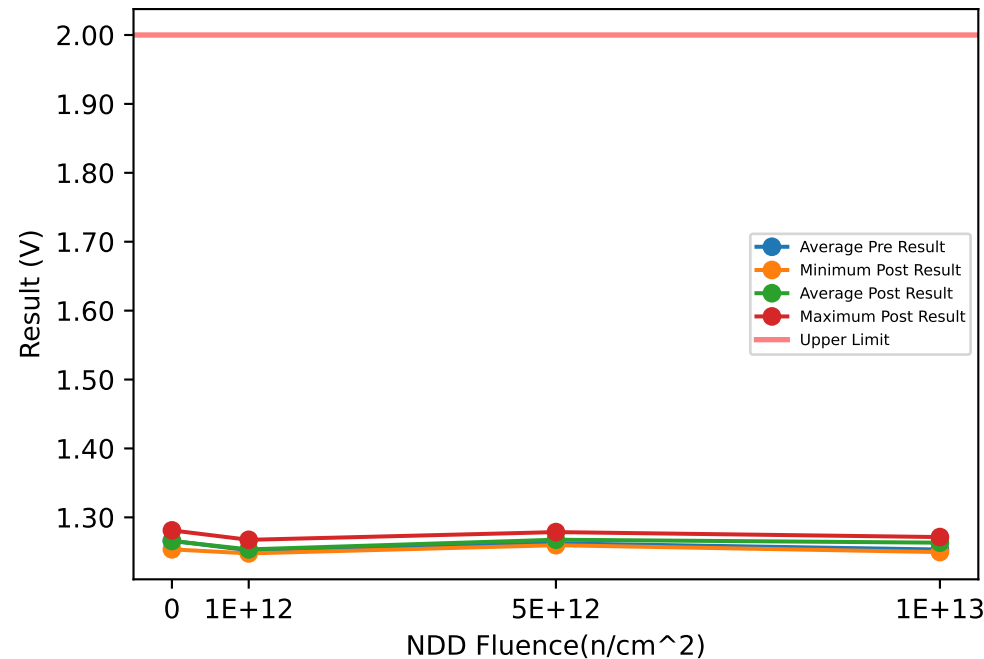


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3694	1.3816	1.3984	0.015022	1.3694	1.3804	1.3966	0.014326	-0.0019	-0.0012333	0	0.0010693
1e+12	1.3595	1.3659	1.379	0.0088848	1.3595	1.3659	1.379	0.0088848	0	0	0	0
5e+12	1.3654	1.3756	1.3926	0.011813	1.3675	1.3781	1.3926	0.01052	0	0.002525	0.0059	0.0024581
1e+13	1.3539	1.3674	1.3771	0.010212	1.3539	1.3679	1.3771	0.010649	0	0.000525	0.0021	0.00105

Device Test: 6.46; VIN_VALID

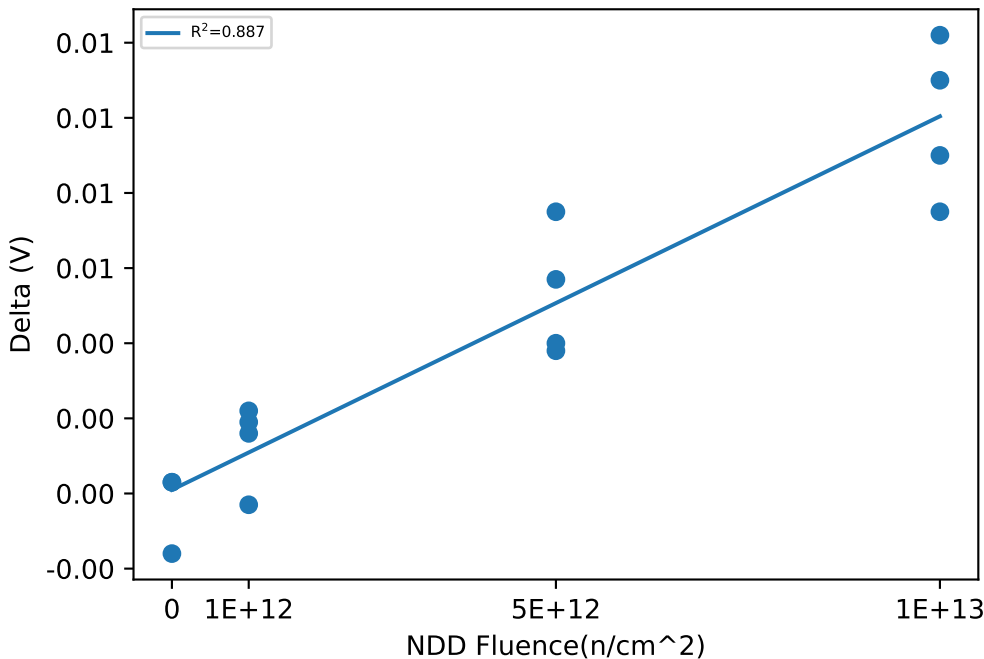
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2652	1.2674	0.0022
314	1e+12	NDD Unbiased	1.2496	1.2493	-0.0003
315	1e+12	NDD Unbiased	1.2458	1.2477	0.0019
316	1e+12	NDD Unbiased	1.248	1.2496	0.0016
317	5e+12	NDD Unbiased	1.2746	1.2786	0.004
318	5e+12	NDD Unbiased	1.2558	1.2596	0.0038
320	5e+12	NDD Unbiased	1.2596	1.2671	0.0075
321	5e+12	NDD Unbiased	1.2592	1.2649	0.0057
322	1e+13	NDD Unbiased	1.2514	1.2624	0.011
323	1e+13	NDD Unbiased	1.2574	1.2696	0.0122
324	1e+13	NDD Unbiased	1.2421	1.2496	0.0075
325	1e+13	NDD Unbiased	1.2624	1.2714	0.009
326	0	Correlation	1.2552	1.2536	-0.0016
327	0	Correlation	1.2808	1.2811	0.0003
328	0	Correlation	1.2621	1.2624	0.0003

NDD vs Post - Pre Exposure Delta

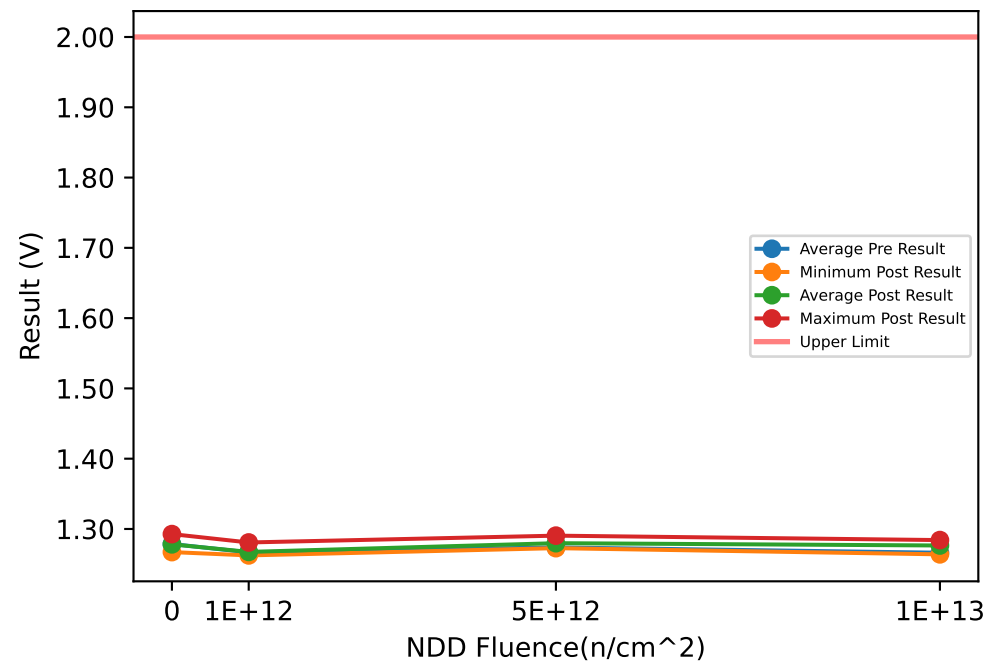


Test Statistics (V)

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	1.2552	1.266	1.2808	0.013246	1.2536	1.2657	1.2811	0.014044	-0.0016	-0.00033333	0.0003	0.001097
1e+12	1.2458	1.2522	1.2652	0.0088384	1.2477	1.2535	1.2674	0.0093041	-0.0003	0.00135	0.0022	0.0011269
5e+12	1.2558	1.2623	1.2746	0.0083754	1.2596	1.2675	1.2786	0.008011	0.0038	0.00525	0.0075	0.0017253
1e+13	1.2421	1.2533	1.2624	0.0087305	1.2496	1.2632	1.2714	0.009896	0.0075	0.009925	0.0122	0.0020871

Device Test: 6.47; VIN_VALID

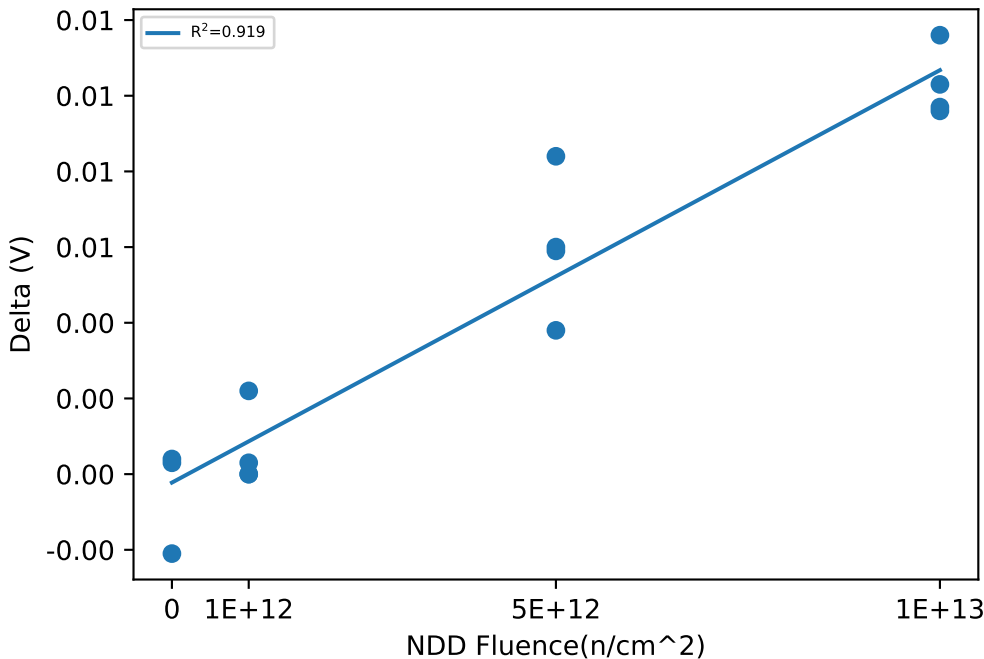
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2786	1.2808	0.0022
314	1e+12	NDD Unbiased	1.2636	1.2636	0
315	1e+12	NDD Unbiased	1.2624	1.2624	0
316	1e+12	NDD Unbiased	1.2624	1.2627	0.0003
317	5e+12	NDD Unbiased	1.2867	1.2905	0.0038
318	5e+12	NDD Unbiased	1.2667	1.2727	0.006
320	5e+12	NDD Unbiased	1.2708	1.2792	0.0084
321	5e+12	NDD Unbiased	1.2708	1.2767	0.0059
322	1e+13	NDD Unbiased	1.2652	1.2749	0.0097
323	1e+13	NDD Unbiased	1.2714	1.283	0.0116
324	1e+13	NDD Unbiased	1.2536	1.2639	0.0103
325	1e+13	NDD Unbiased	1.2746	1.2842	0.0096
326	0	Correlation	1.2692	1.2671	-0.0021
327	0	Correlation	1.2924	1.2927	0.0003
328	0	Correlation	1.2742	1.2746	0.0004

NDD vs Post - Pre Exposure Delta

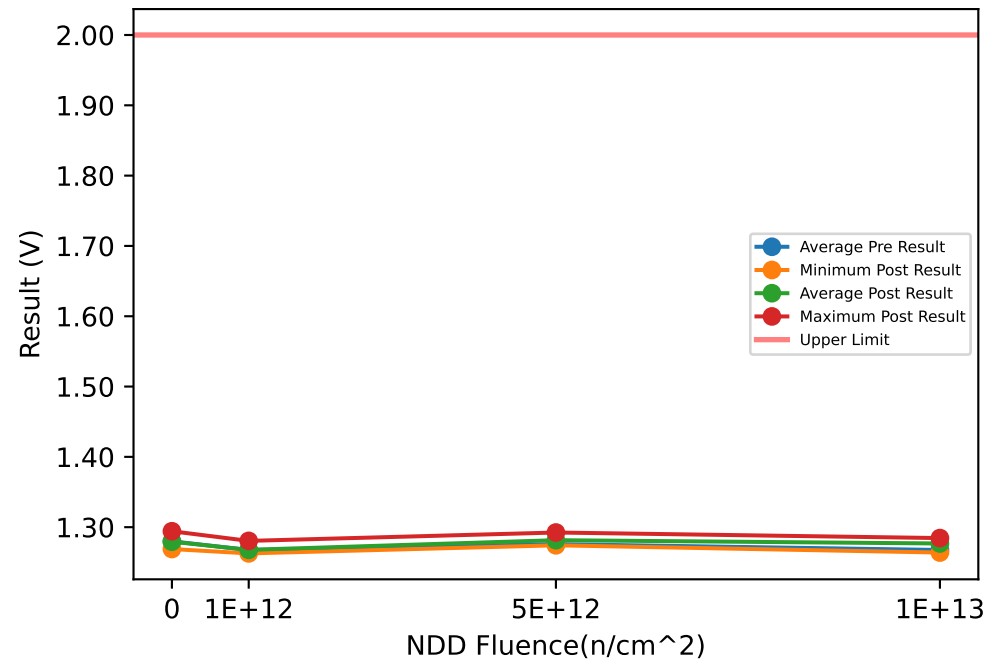


Test Statistics (V)

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	1.2692	1.2786	1.2924	0.01221	1.2671	1.2781	1.2927	0.013161	-0.0021	-0.00046667	0.0004	0.0014154
1e+12	1.2624	1.2668	1.2786	0.0079202	1.2624	1.2674	1.2808	0.0089645	0	0.000625	0.0022	0.0010595
5e+12	1.2667	1.2737	1.2867	0.008847	1.2727	1.2798	1.2905	0.0076347	0.0038	0.006025	0.0084	0.0018804
1e+13	1.2536	1.2662	1.2746	0.0092621	1.2639	1.2765	1.2842	0.0093606	0.0096	0.0103	0.0116	0.00092014

Device Test: 6.48; VIN_VALID

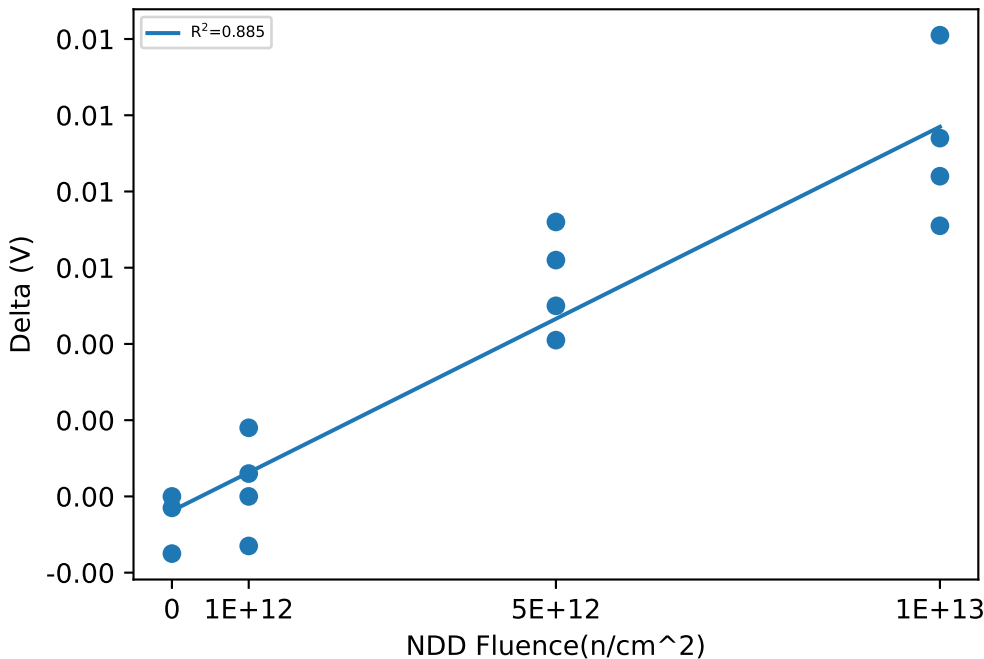
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2805	1.2805	0
314	1e+12	NDD Unbiased	1.2652	1.2639	-0.0013
315	1e+12	NDD Unbiased	1.2621	1.2627	0.0006
316	1e+12	NDD Unbiased	1.2621	1.2639	0.0018
317	5e+12	NDD Unbiased	1.2883	1.2924	0.0041
318	5e+12	NDD Unbiased	1.2692	1.2742	0.005
320	5e+12	NDD Unbiased	1.2733	1.2805	0.0072
321	5e+12	NDD Unbiased	1.2727	1.2789	0.0062
322	1e+13	NDD Unbiased	1.2652	1.2746	0.0094
323	1e+13	NDD Unbiased	1.2724	1.2845	0.0121
324	1e+13	NDD Unbiased	1.2555	1.2639	0.0084
325	1e+13	NDD Unbiased	1.2771	1.2842	0.0071
326	0	Correlation	1.2692	1.2689	-0.0003
327	0	Correlation	1.2942	1.2942	0
328	0	Correlation	1.2764	1.2749	-0.0015

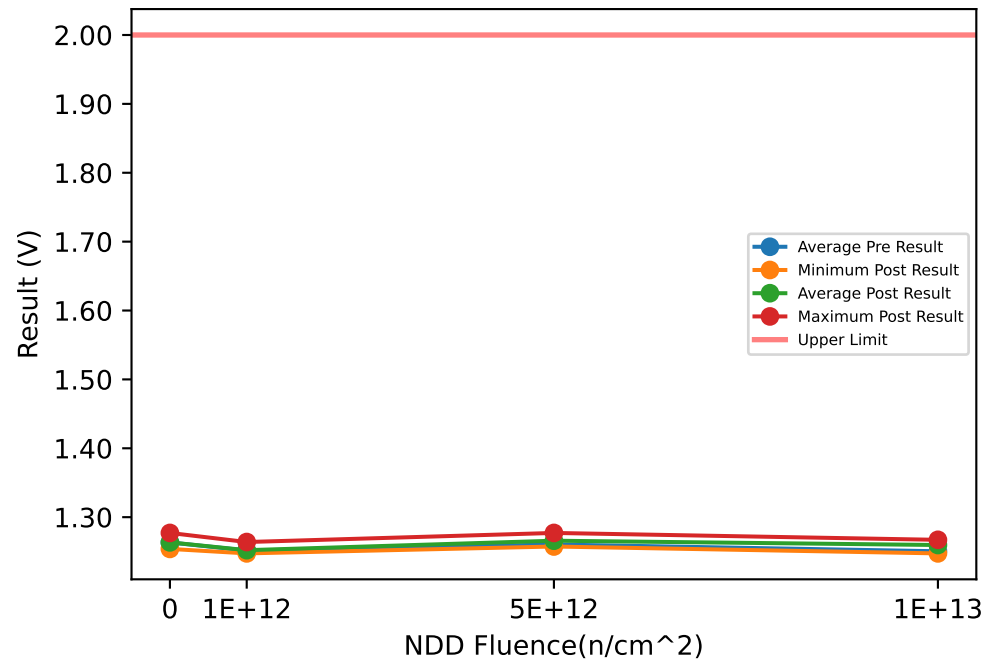
NDD vs Post - Pre Exposure Delta



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	1.2692	1.2799	1.2942	0.012869	1.2689	1.2793	1.2942	0.01322	-0.0015	-0.0006	0	0.00079373
1e+12	1.2621	1.2675	1.2805	0.0088054	1.2627	1.2677	1.2805	0.0085188	-0.0013	0.000275	0.0018	0.0012894
5e+12	1.2692	1.2759	1.2883	0.0084784	1.2742	1.2815	1.2924	0.007743	0.0041	0.005625	0.0072	0.0013574
1e+13	1.2555	1.2675	1.2771	0.0094066	1.2639	1.2768	1.2845	0.0097519	0.0071	0.00925	0.0121	0.0021205

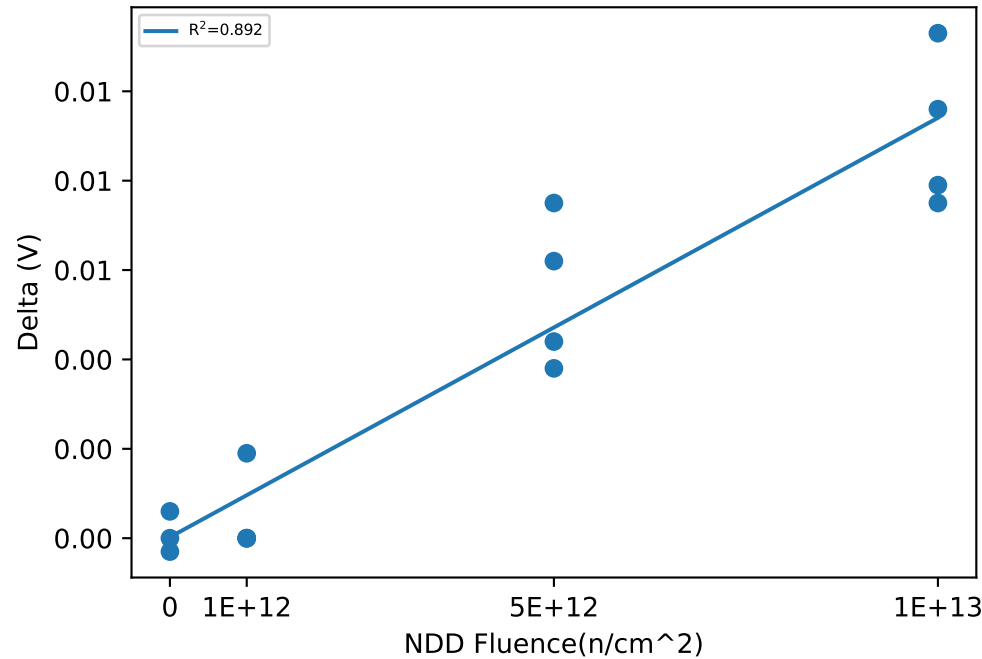
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.2639	1.2639	0
314	1e+12	NDD Unbiased	1.2493	1.2493	0
315	1e+12	NDD Unbiased	1.2455	1.2474	0.0019
316	1e+12	NDD Unbiased	1.2477	1.2477	0
317	5e+12	NDD Unbiased	1.2727	1.2771	0.0044
318	5e+12	NDD Unbiased	1.2536	1.2574	0.0038
320	5e+12	NDD Unbiased	1.2574	1.2649	0.0075
321	5e+12	NDD Unbiased	1.2577	1.2639	0.0062
322	1e+13	NDD Unbiased	1.2496	1.2592	0.0096
323	1e+13	NDD Unbiased	1.2533	1.2646	0.0113
324	1e+13	NDD Unbiased	1.2399	1.2474	0.0075
325	1e+13	NDD Unbiased	1.2592	1.2671	0.0079
326	0	Correlation	1.2533	1.2539	0.0006
327	0	Correlation	1.2774	1.2771	-0.0003
328	0	Correlation	1.2592	1.2592	0

NDD vs Post - Pre Exposure Delta

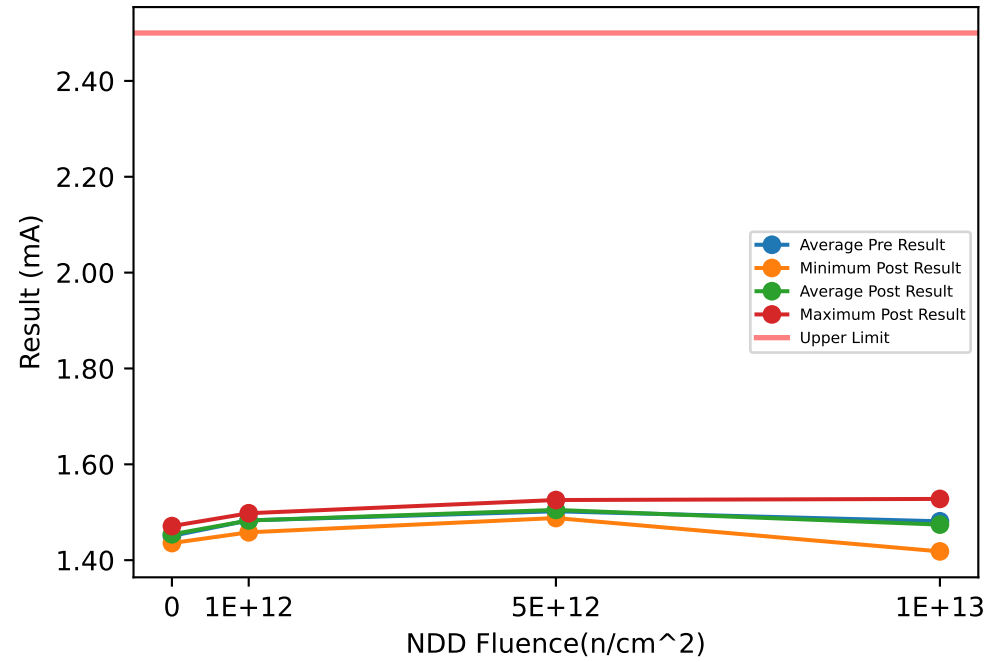


Test Statistics (V)

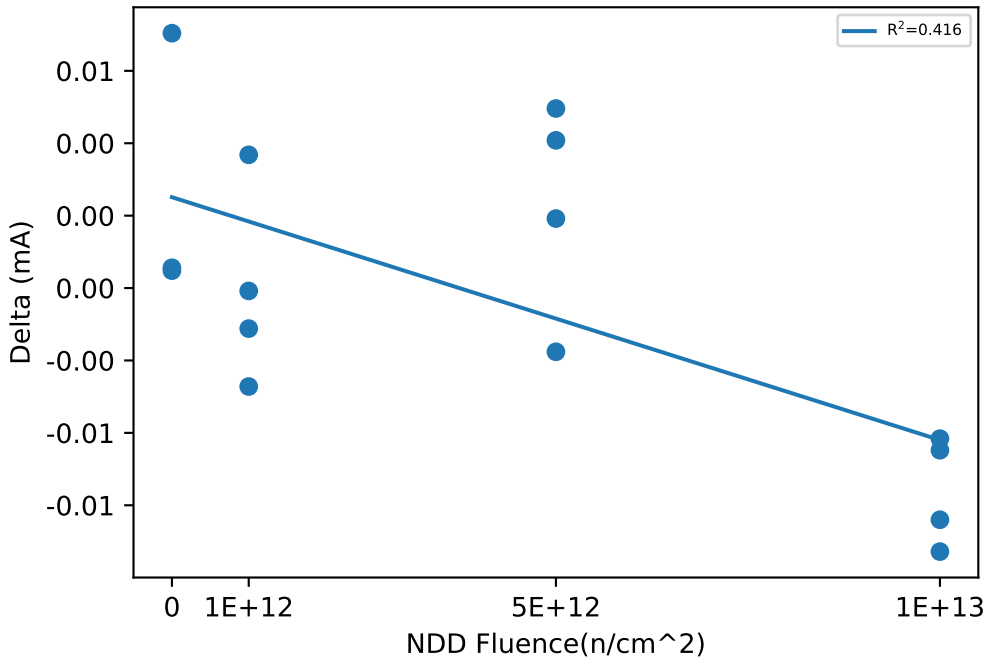
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2533	1.2633	1.2774	0.012562	1.2539	1.2634	1.2771	0.012157	-0.0003	0.0001	0.0006	0.00045826
1e+12	1.2455	1.2516	1.2639	0.0083467	1.2474	1.2521	1.2639	0.0079273	0	0.000475	0.0019	0.00095
5e+12	1.2536	1.2604	1.2727	0.0084422	1.2574	1.2658	1.2771	0.0082192	0.0038	0.005475	0.0075	0.0016919
1e+13	1.2399	1.2505	1.2592	0.0080973	1.2474	1.2596	1.2671	0.0087607	0.0075	0.009075	0.0113	0.0017405

Device Test: 6.5; IQ

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.5 (mA))

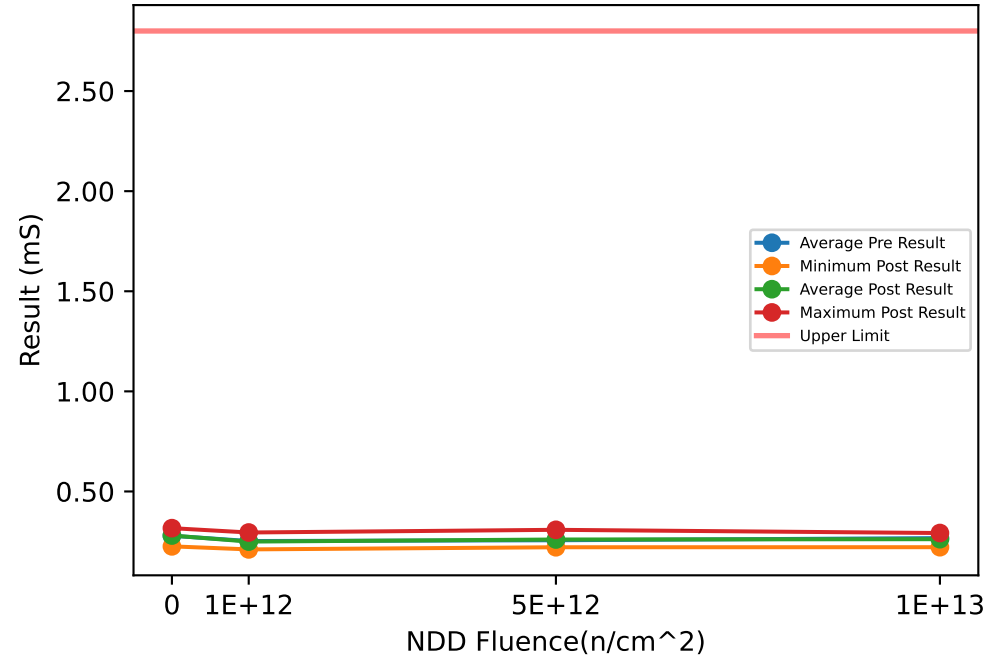
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.4921	1.492	-0.0001
314	1e+12	NDD Unbiased	1.4789	1.4835	0.0046
315	1e+12	NDD Unbiased	1.5013	1.4979	-0.0034
316	1e+12	NDD Unbiased	1.4595	1.4581	-0.0014
317	5e+12	NDD Unbiased	1.4828	1.4879	0.0051
318	5e+12	NDD Unbiased	1.5231	1.5255	0.0024
320	5e+12	NDD Unbiased	1.5052	1.5114	0.0062
321	5e+12	NDD Unbiased	1.4967	1.4945	-0.0022
322	1e+13	NDD Unbiased	1.478	1.47	-0.008
323	1e+13	NDD Unbiased	1.4897	1.4806	-0.0091
324	1e+13	NDD Unbiased	1.4239	1.4183	-0.0056
325	1e+13	NDD Unbiased	1.533	1.5278	-0.0052
326	0	Correlation	1.4705	1.4711	0.0006
327	0	Correlation	1.4544	1.4551	0.0007
328	0	Correlation	1.4269	1.4357	0.0088

Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4269	1.4506	1.4705	0.022047	1.4357	1.454	1.4711	0.017727	0.0006	0.0033667	0.0088	0.0047057
1e+12	1.4595	1.4829	1.5013	0.018136	1.4581	1.4829	1.4979	0.017542	-0.0034	-7.5e-05	0.0046	0.0033994
5e+12	1.4828	1.5019	1.5231	0.016854	1.4879	1.5048	1.5255	0.016968	-0.0022	0.002875	0.0062	0.0037411
1e+13	1.4239	1.4811	1.533	0.044904	1.4183	1.4742	1.5278	0.044931	-0.0091	-0.006975	-0.0052	0.0018804

Device Test: 6.50; START_DLY

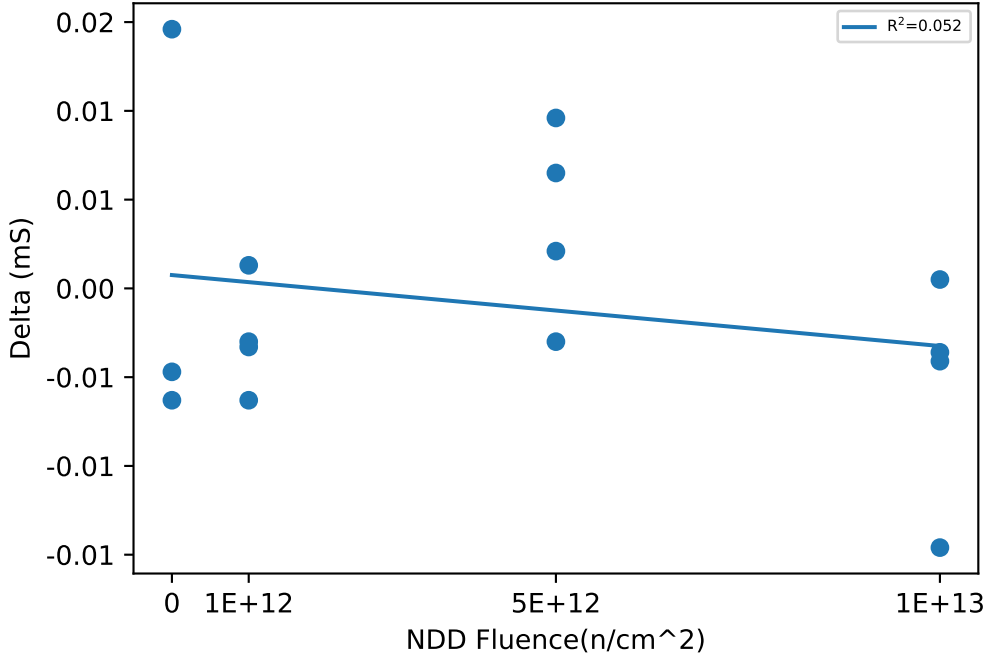
NDD vs Result Stats



Test Results (Upper Limit = 2.8 (mS))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2093	0.2106	0.0013
314	1e+12	NDD Unbiased	0.2388	0.2325	-0.0063
315	1e+12	NDD Unbiased	0.2636	0.2603	-0.0033
316	1e+12	NDD Unbiased	0.298	0.295	-0.003
317	5e+12	NDD Unbiased	0.3063	0.3084	0.0021
318	5e+12	NDD Unbiased	0.2778	0.2843	0.0065
320	5e+12	NDD Unbiased	0.2243	0.2213	-0.003
321	5e+12	NDD Unbiased	0.2165	0.2261	0.0096
322	1e+13	NDD Unbiased	0.2919	0.2924	0.0005
323	1e+13	NDD Unbiased	0.2754	0.2608	-0.0146
324	1e+13	NDD Unbiased	0.2257	0.2216	-0.0041
325	1e+13	NDD Unbiased	0.2751	0.2715	-0.0036
326	0	Correlation	0.3035	0.2972	-0.0063
327	0	Correlation	0.2305	0.2258	-0.0047
328	0	Correlation	0.3021	0.3167	0.0146

NDD vs Post - Pre Exposure Delta

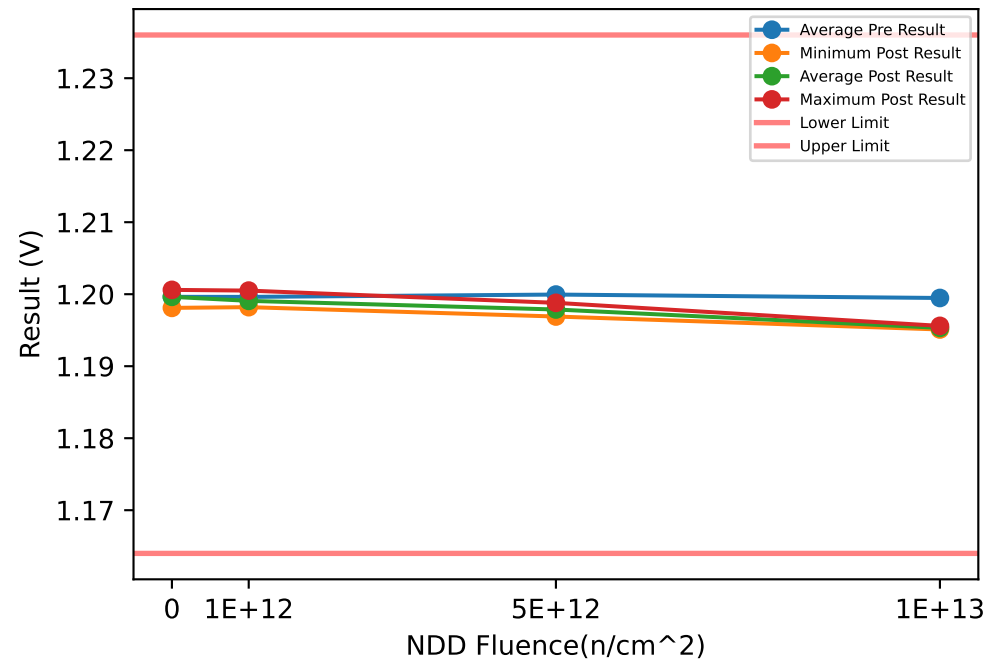


Test Statistics (mS)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2305	0.2787	0.3035	0.041748	0.2258	0.2799	0.3167	0.047856	-0.0063	0.0012	0.0146	0.011632
1e+12	0.2093	0.25243	0.298	0.037627	0.2106	0.2496	0.295	0.036465	-0.0063	-0.002825	0.0013	0.0031277
5e+12	0.2165	0.25622	0.3063	0.04309	0.2213	0.26003	0.3084	0.043128	-0.003	0.0038	0.0096	0.0054791
1e+13	0.2257	0.26703	0.2919	0.028647	0.2216	0.26158	0.2924	0.029706	-0.0146	-0.00545	0.0005	0.0064387

Device Test: 6.51; VHYS

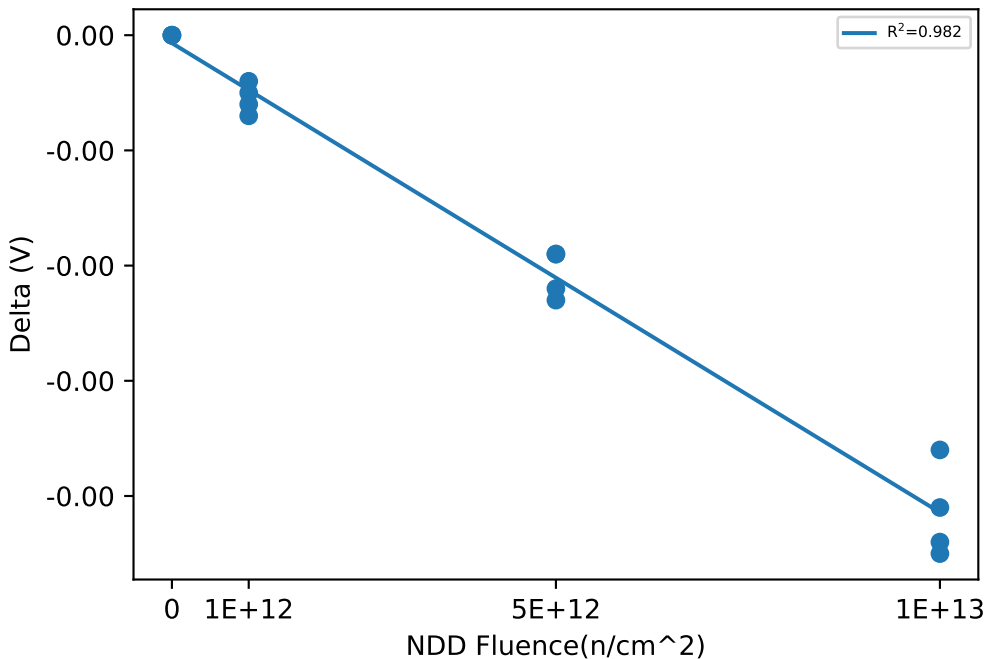
NDD vs Result Stats



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

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.1992	1.1985	-0.0007
314	1e+12	NDD Unbiased	1.2011	1.2005	-0.0006
315	1e+12	NDD Unbiased	1.1995	1.1991	-0.0004
316	1e+12	NDD Unbiased	1.1987	1.1982	-0.0005
317	5e+12	NDD Unbiased	1.1992	1.1969	-0.0023
318	5e+12	NDD Unbiased	1.2007	1.1988	-0.0019
320	5e+12	NDD Unbiased	1.2003	1.1981	-0.0022
321	5e+12	NDD Unbiased	1.1996	1.1977	-0.0019
322	1e+13	NDD Unbiased	1.1992	1.1956	-0.0036
323	1e+13	NDD Unbiased	1.1999	1.1954	-0.0045
324	1e+13	NDD Unbiased	1.1995	1.1951	-0.0044
325	1e+13	NDD Unbiased	1.1993	1.1952	-0.0041
326	0	Correlation	1.2006	1.2006	0
327	0	Correlation	1.1981	1.1981	0
328	0	Correlation	1.2002	1.2002	0

NDD vs Post - Pre Exposure Delta

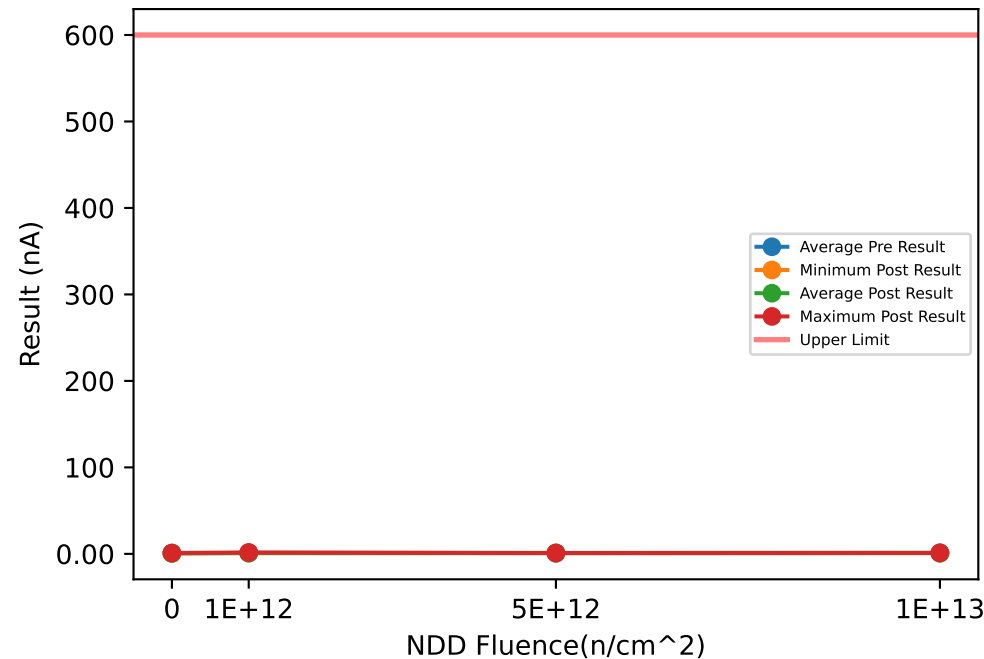


Test Statistics (V)

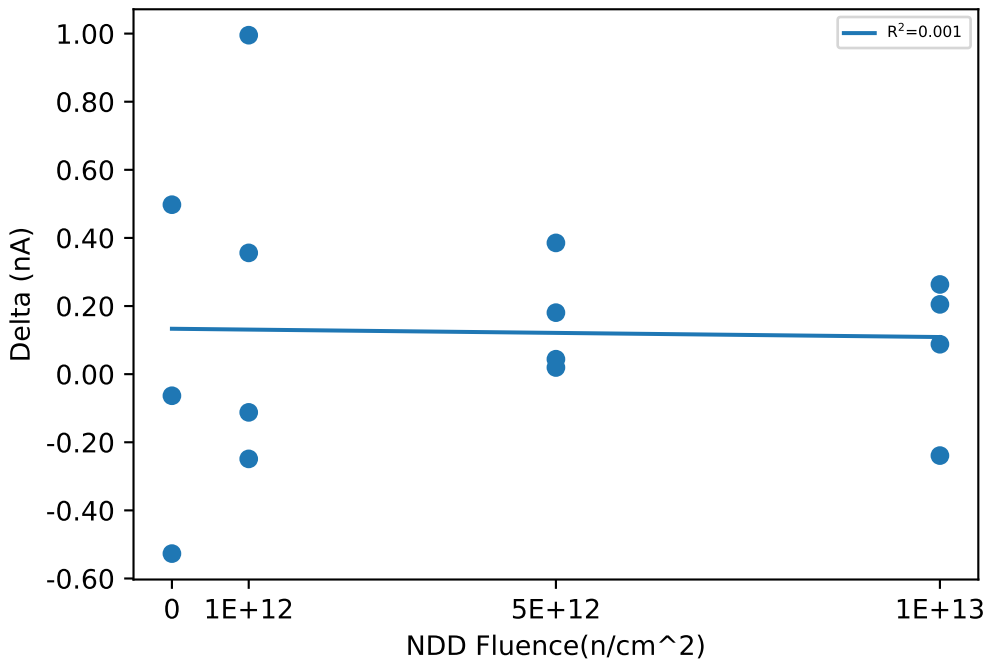
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1981	1.1996	1.2006	0.0013429	1.1981	1.1996	1.2006	0.0013429	0	0	0	0
1e+12	1.1987	1.1996	1.2011	0.0010372	1.1982	1.1991	1.2005	0.001021	-0.0007	-0.00055	-0.0004	0.0001291
5e+12	1.1992	1.2	1.2007	0.00067577	1.1969	1.1979	1.1988	0.0007932	-0.0023	-0.002075	-0.0019	0.00020616
1e+13	1.1992	1.1995	1.1999	0.00030957	1.1951	1.1953	1.1956	0.00022174	-0.0045	-0.00415	-0.0036	0.00040415

Device Test: 6.56; PWRGD_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

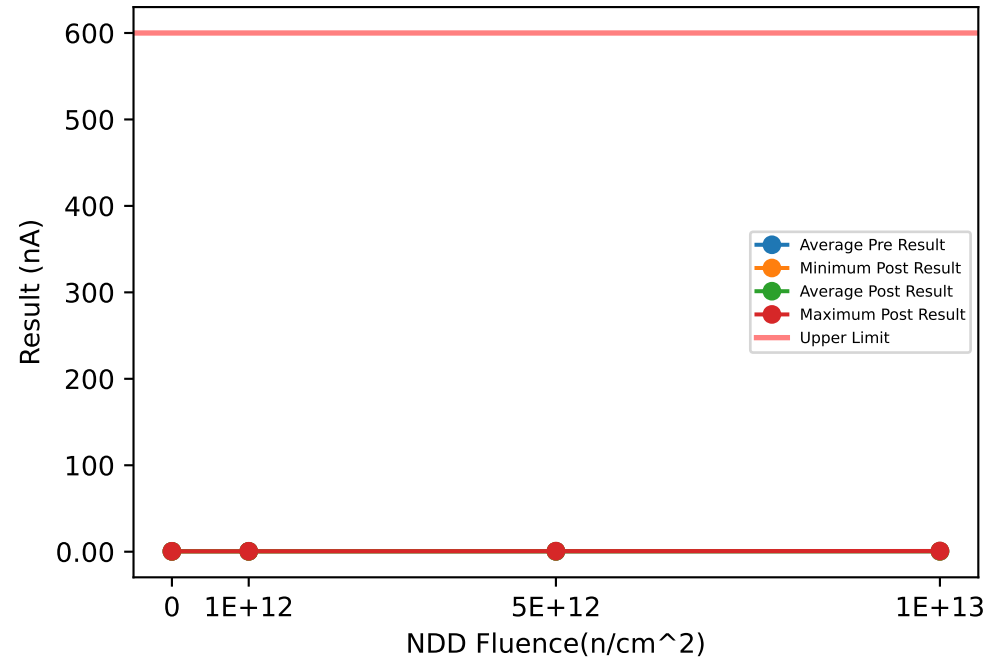
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.6804	1.6757	0.9953
314	1e+12	NDD Unbiased	1.139	0.8902	-0.2488
315	1e+12	NDD Unbiased	0.9488	0.8366	-0.1122
316	1e+12	NDD Unbiased	0.6951	1.0512	0.3561
317	5e+12	NDD Unbiased	0.9439	0.9634	0.0195
318	5e+12	NDD Unbiased	0.8219	0.8658	0.0439
320	5e+12	NDD Unbiased	0.6609	1.0463	0.3854
321	5e+12	NDD Unbiased	0.7731	0.9537	0.1806
322	1e+13	NDD Unbiased	1.0854	0.8463	-0.2391
323	1e+13	NDD Unbiased	0.9878	1.2512	0.2634
324	1e+13	NDD Unbiased	0.7439	0.8317	0.0878
325	1e+13	NDD Unbiased	0.739	0.9439	0.2049
326	0	Correlation	0.5146	1.0122	0.4976
327	0	Correlation	1.0707	0.5438	-0.5269
328	0	Correlation	0.7146	0.6512	-0.0634

Test Statistics (nA)

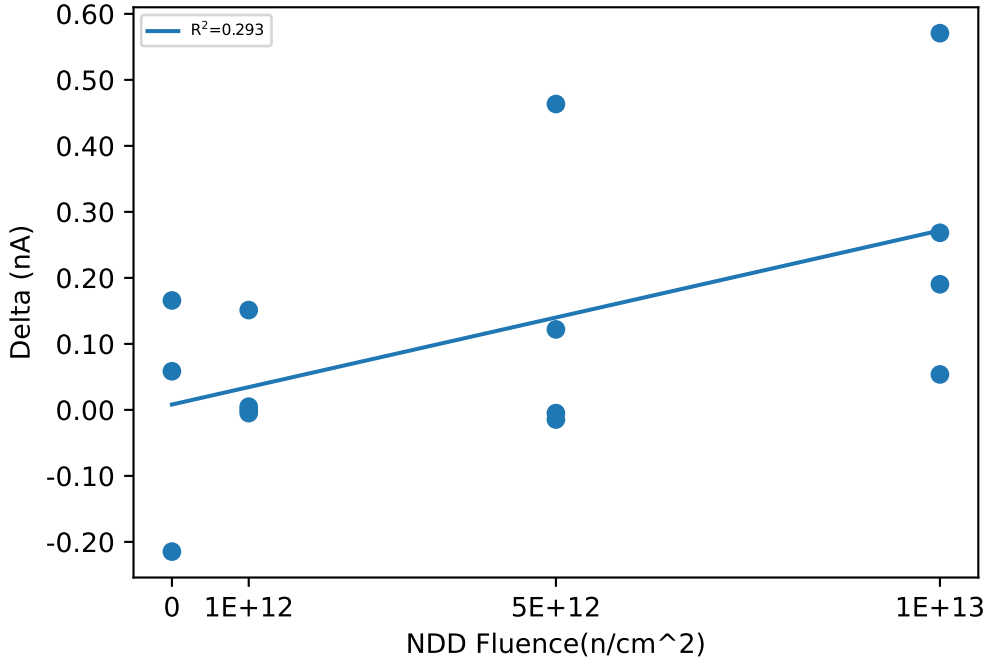
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5146	0.76663	1.0707	0.28168	0.5438	0.73573	1.0122	0.24538	-0.5269	-0.0309	0.4976	0.51302
1e+12	0.6804	0.86583	1.139	0.21988	0.8366	1.1134	1.6757	0.38578	-0.2488	0.2476	0.9953	0.56175
5e+12	0.6609	0.79995	0.9439	0.11727	0.8658	0.9573	1.0463	0.073809	0.0195	0.15735	0.3854	0.16775
1e+13	0.739	0.88902	1.0854	0.17501	0.8317	0.96827	1.2512	0.19508	-0.2391	0.07925	0.2634	0.22444

Device Test: 6.57; WDO_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

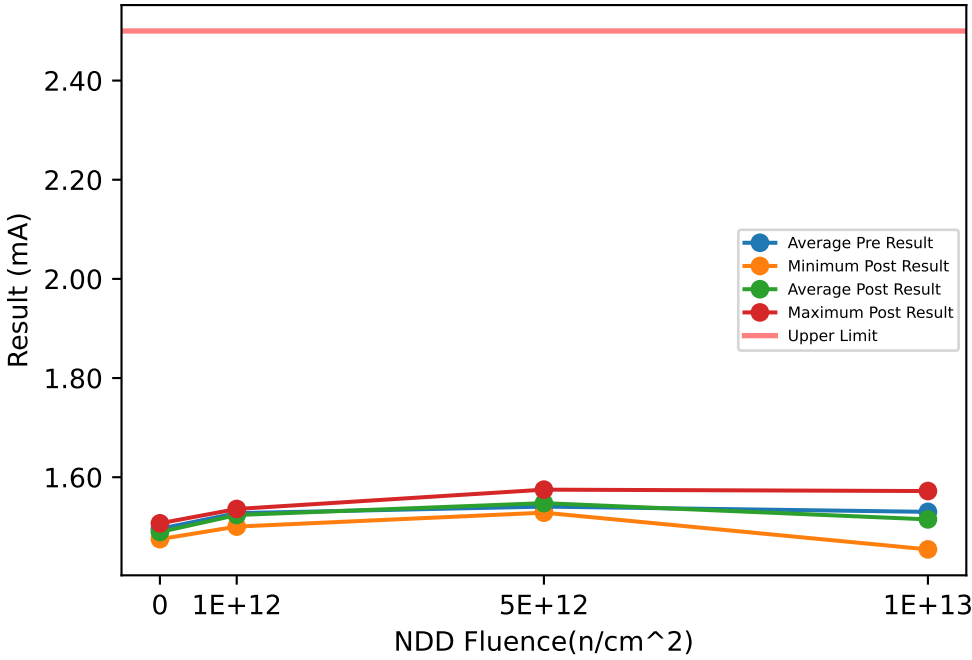
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.4197	0.4245	0.0048
314	1e+12	NDD Unbiased	0.5465	0.5416	-0.0049
315	1e+12	NDD Unbiased	0.2099	0.3611	0.1512
316	1e+12	NDD Unbiased	0.4782	0.4782	0
317	5e+12	NDD Unbiased	0.5221	0.5172	-0.0049
318	5e+12	NDD Unbiased	0.3465	0.4684	0.1219
320	5e+12	NDD Unbiased	0.4343	0.4197	-0.0146
321	5e+12	NDD Unbiased	0.2148	0.6782	0.4634
322	1e+13	NDD Unbiased	0.366	0.4197	0.0537
323	1e+13	NDD Unbiased	0.2831	0.8538	0.5707
324	1e+13	NDD Unbiased	0.5611	0.7514	0.1903
325	1e+13	NDD Unbiased	0.2928	0.5611	0.2683
326	0	Correlation	0.327	0.4928	0.1658
327	0	Correlation	0.4148	0.4733	0.0585
328	0	Correlation	0.5953	0.3806	-0.2147

Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.327	0.4457	0.5953	0.13679	0.3806	0.4489	0.4928	0.059948	-0.2147	0.0032	0.1658	0.19619
1e+12	0.2099	0.41358	0.5465	0.14533	0.3611	0.45135	0.5416	0.076881	-0.0049	0.037775	0.1512	0.07572
5e+12	0.2148	0.37943	0.5221	0.13109	0.4197	0.52087	0.6782	0.11218	-0.0146	0.14145	0.4634	0.22346
1e+13	0.2831	0.37575	0.5611	0.12899	0.4197	0.6465	0.8538	0.19383	0.0537	0.27075	0.5707	0.21875

Device Test: 6.6; IQ

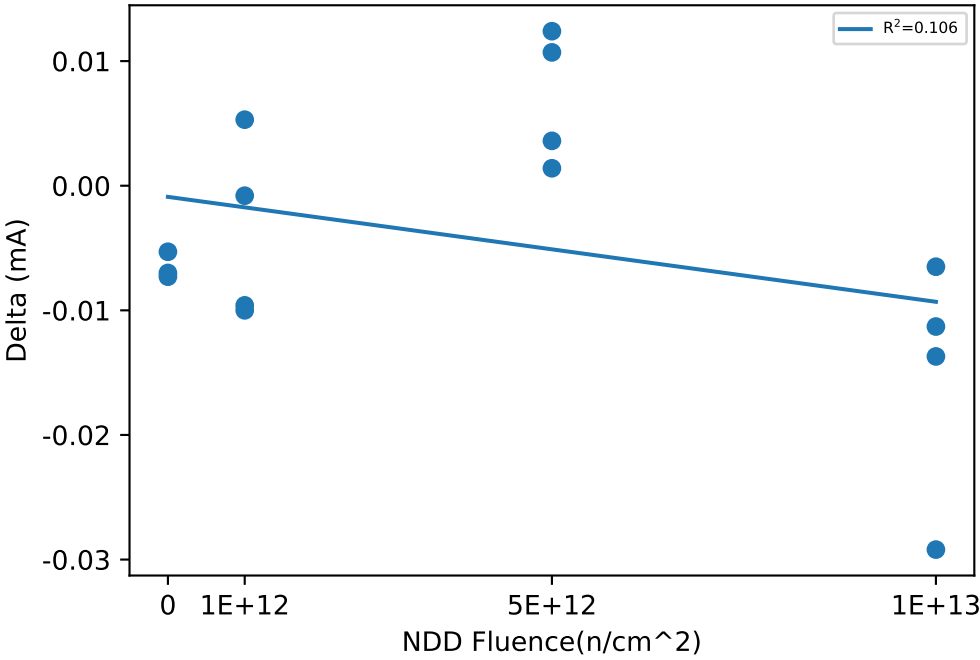
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.5336	1.5328	-0.0008
314	1e+12	NDD Unbiased	1.5354	1.5258	-0.0096
315	1e+12	NDD Unbiased	1.5459	1.5359	-0.01
316	1e+12	NDD Unbiased	1.4951	1.5004	0.0053
317	5e+12	NDD Unbiased	1.5178	1.5285	0.0107
318	5e+12	NDD Unbiased	1.5735	1.5749	0.0014
320	5e+12	NDD Unbiased	1.5389	1.5513	0.0124
321	5e+12	NDD Unbiased	1.5326	1.5362	0.0036
322	1e+13	NDD Unbiased	1.5113	1.5048	-0.0065
323	1e+13	NDD Unbiased	1.5398	1.5285	-0.0113
324	1e+13	NDD Unbiased	1.4836	1.4544	-0.0292
325	1e+13	NDD Unbiased	1.5858	1.5721	-0.0137
326	0	Correlation	1.514	1.507	-0.007
327	0	Correlation	1.4935	1.4862	-0.0073
328	0	Correlation	1.4804	1.4751	-0.0053

NDD vs Post - Pre Exposure Delta

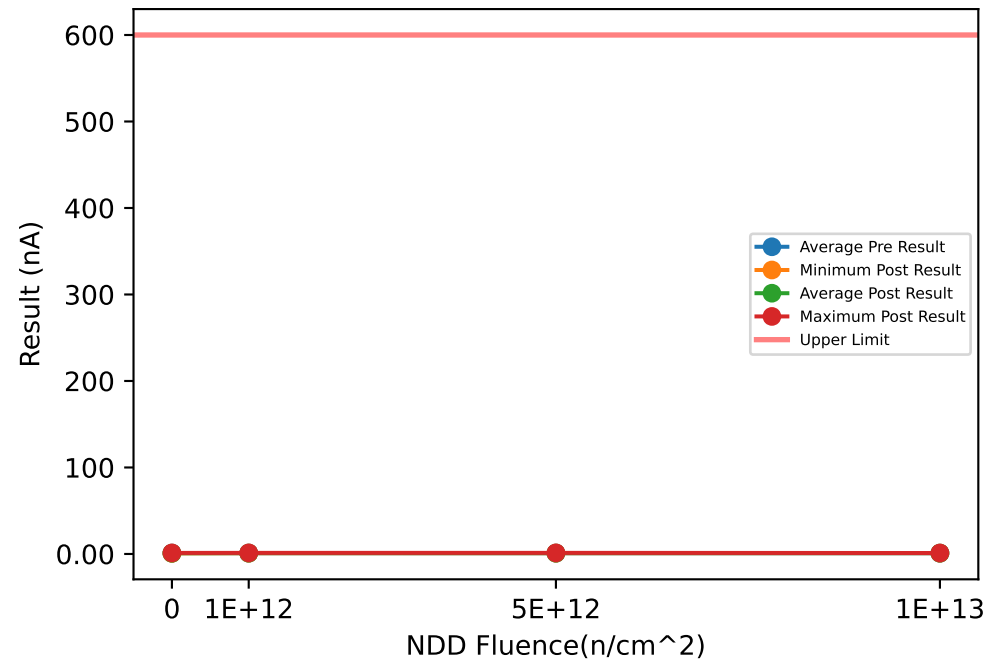


Test Statistics (mA)

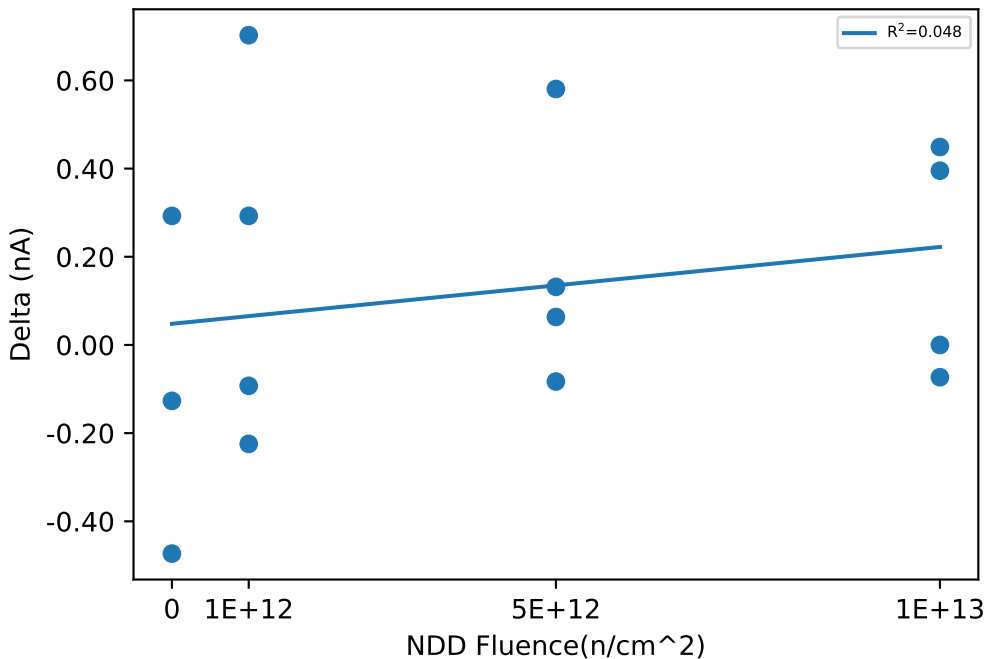
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4804	1.496	1.514	0.016935	1.4751	1.4894	1.507	0.016194	-0.0073	-0.0065333	-0.0053	0.0010786
1e+12	1.4951	1.5275	1.5459	0.022271	1.5004	1.5237	1.5359	0.016114	-0.01	-0.003775	0.0053	0.0073912
5e+12	1.5178	1.5407	1.5735	0.023587	1.5285	1.5477	1.5749	0.020443	0.0014	0.007025	0.0124	0.0053469
1e+13	1.4836	1.5301	1.5858	0.043636	1.4544	1.515	1.5721	0.049055	-0.0292	-0.015175	-0.0065	0.0098175

Device Test: 6.62; PWRGD_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

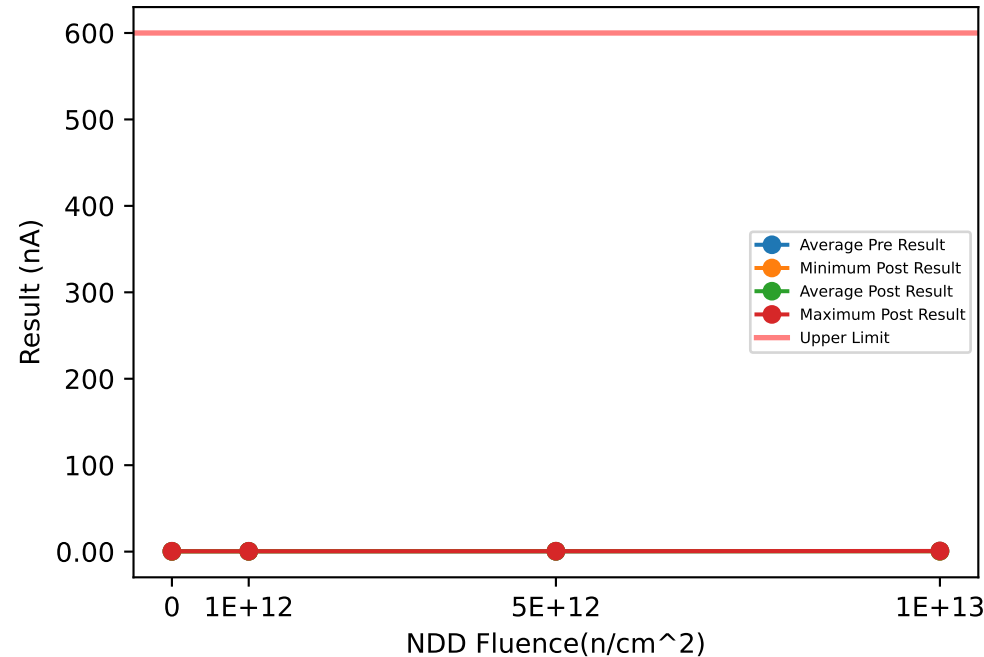
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.778	1.0707	0.2927
314	1e+12	NDD Unbiased	0.3682	1.0707	0.7025
315	1e+12	NDD Unbiased	1.4854	1.261	-0.2244
316	1e+12	NDD Unbiased	0.9195	0.8268	-0.0927
317	5e+12	NDD Unbiased	0.9341	0.8512	-0.0829
318	5e+12	NDD Unbiased	0.9634	1.0268	0.0634
320	5e+12	NDD Unbiased	0.8756	1.0073	0.1317
321	5e+12	NDD Unbiased	0.7	1.2805	0.5805
322	1e+13	NDD Unbiased	0.6609	1.1098	0.4489
323	1e+13	NDD Unbiased	1.1049	1.0317	-0.0732
324	1e+13	NDD Unbiased	0.9	0.9	0
325	1e+13	NDD Unbiased	0.7097	1.1049	0.3952
326	0	Correlation	0.8902	0.7634	-0.1268
327	0	Correlation	0.9293	1.222	0.2927
328	0	Correlation	1.139	0.6658	-0.4732

Test Statistics (nA)

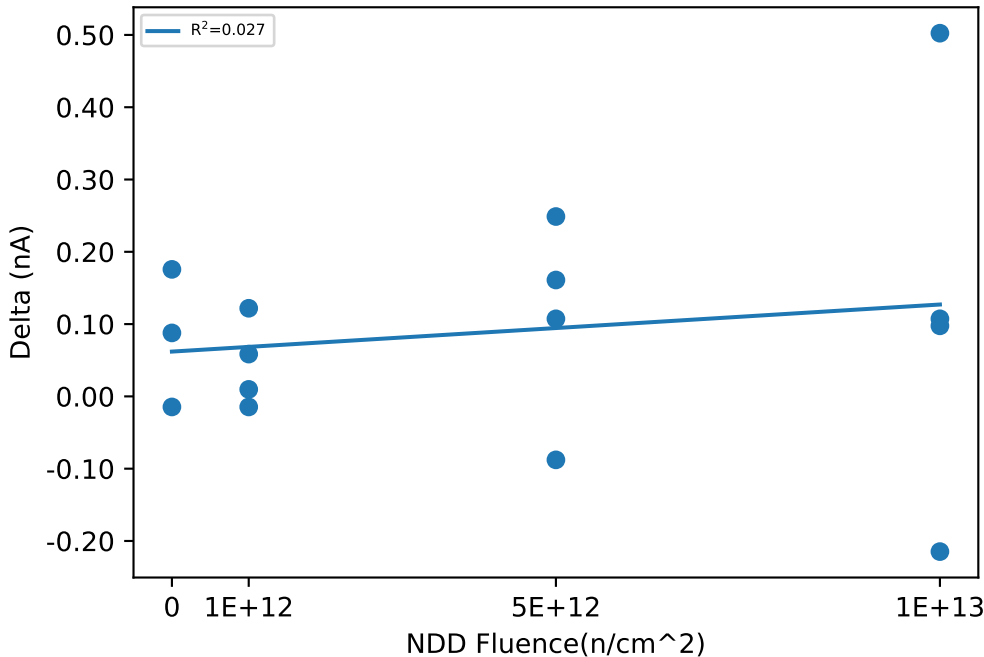
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8902	0.98617	1.139	0.13379	0.6658	0.88373	1.222	0.29698	-0.4732	-0.10243	0.2927	0.38353
1e+12	0.3682	0.88777	1.4854	0.46194	0.8268	1.0573	1.261	0.17794	-0.2244	0.16952	0.7025	0.4176
5e+12	0.7	0.86828	0.9634	0.11797	0.8512	1.0414	1.2805	0.17769	-0.0829	0.17317	0.5805	0.28592
1e+13	0.6609	0.84388	1.1049	0.20229	0.9	1.0366	1.1098	0.097821	-0.0732	0.19272	0.4489	0.26738

Device Test: 6.63; WDO_ILKG_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 600.0 (nA))

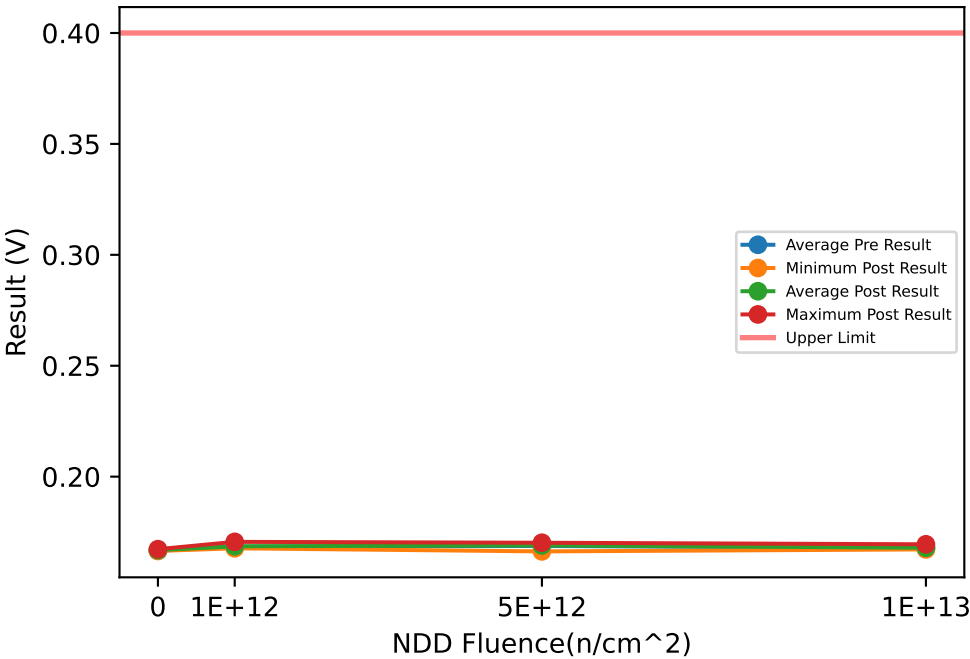
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2636	0.3221	0.0585
314	1e+12	NDD Unbiased	0.4684	0.4538	-0.0146
315	1e+12	NDD Unbiased	0.3319	0.3416	0.0097
316	1e+12	NDD Unbiased	0.3319	0.4538	0.1219
317	5e+12	NDD Unbiased	0.5026	0.4148	-0.0878
318	5e+12	NDD Unbiased	0.2587	0.5075	0.2488
320	5e+12	NDD Unbiased	0.3172	0.4245	0.1073
321	5e+12	NDD Unbiased	0.2684	0.4294	0.161
322	1e+13	NDD Unbiased	0.5709	0.3562	-0.2147
323	1e+13	NDD Unbiased	0.5367	0.644	0.1073
324	1e+13	NDD Unbiased	0.2977	0.8001	0.5024
325	1e+13	NDD Unbiased	0.5123	0.6099	0.0976
326	0	Correlation	0.2782	0.2636	-0.0146
327	0	Correlation	0.3855	0.4733	0.0878
328	0	Correlation	0.244	0.4197	0.1757

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	0.244	0.30257	0.3855	0.07383	0.2636	0.38553	0.4733	0.10895	-0.0146	0.082967	0.1757	0.095242
1e+12	0.2636	0.34895	0.4684	0.085896	0.3221	0.39282	0.4538	0.070856	-0.0146	0.043875	0.1219	0.060247
5e+12	0.2587	0.33672	0.5026	0.11351	0.4148	0.44405	0.5075	0.042733	-0.0878	0.10732	0.2488	0.14256
1e+13	0.2977	0.4794	0.5709	0.12349	0.3562	0.60255	0.8001	0.18393	-0.2147	0.12315	0.5024	0.29376

Device Test: 6.64; VOL_RESET_2MA_OD

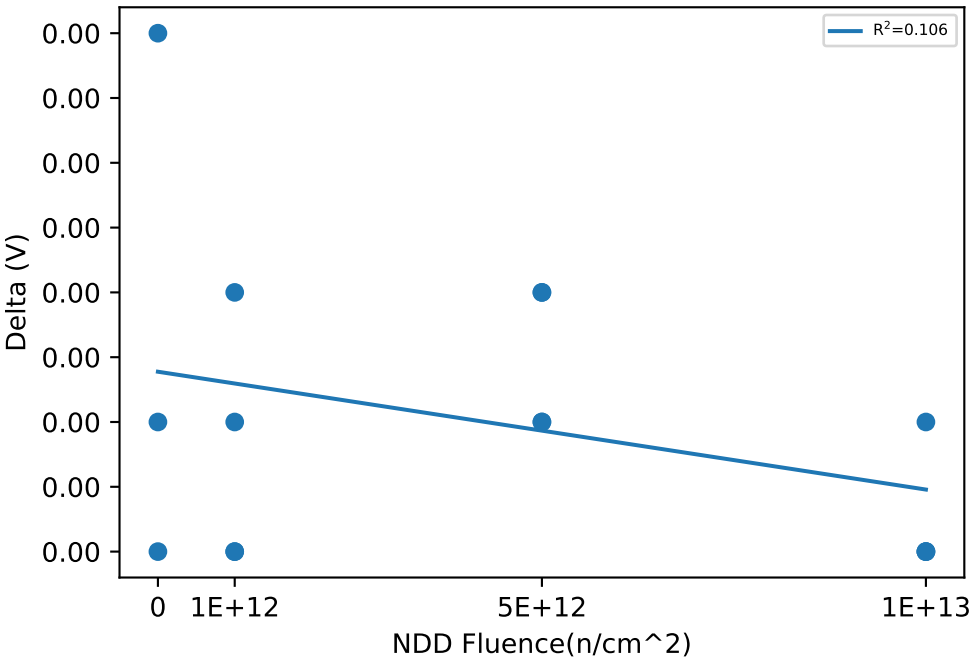
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1705	0.1706	0.0001
314	1e+12	NDD Unbiased	0.1676	0.1677	0.0001
315	1e+12	NDD Unbiased	0.1675	0.1677	0.0002
316	1e+12	NDD Unbiased	0.1681	0.1684	0.0003
317	5e+12	NDD Unbiased	0.17	0.1702	0.0002
318	5e+12	NDD Unbiased	0.1694	0.1697	0.0003
320	5e+12	NDD Unbiased	0.1695	0.1698	0.0003
321	5e+12	NDD Unbiased	0.1661	0.1663	0.0002
322	1e+13	NDD Unbiased	0.1694	0.1695	0.0001
323	1e+13	NDD Unbiased	0.1676	0.1677	0.0001
324	1e+13	NDD Unbiased	0.1671	0.1672	0.0001
325	1e+13	NDD Unbiased	0.1672	0.1674	0.0002
326	0	Correlation	0.1667	0.1668	0.0001
327	0	Correlation	0.1663	0.1665	0.0002
328	0	Correlation	0.1668	0.1673	0.0005

NDD vs Post - Pre Exposure Delta

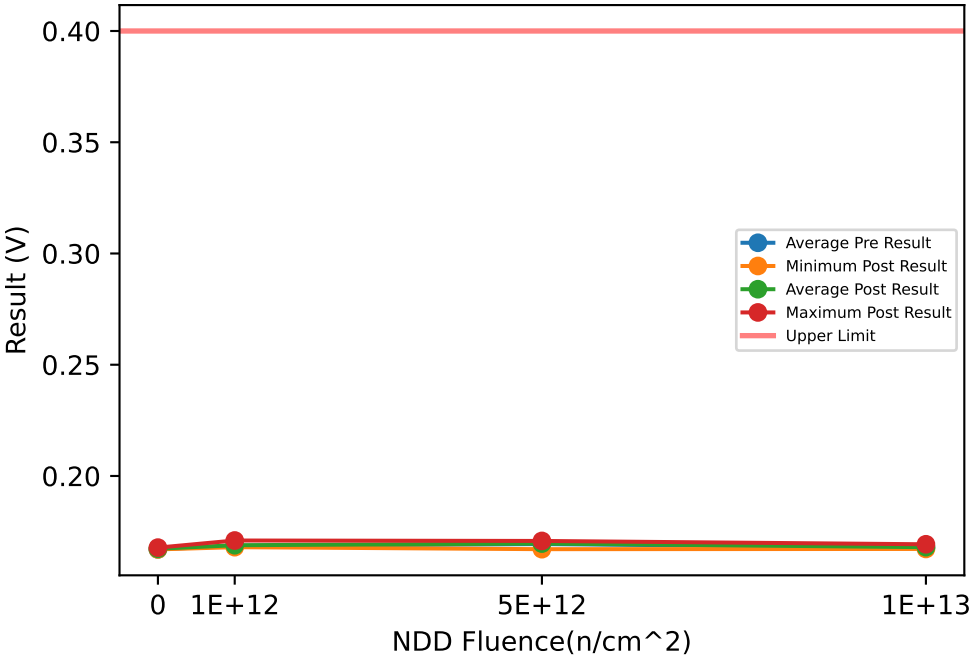


Test Statistics (V)

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	0.1663	0.1666	0.1668	0.00026458	0.1665	0.16687	0.1673	0.00040415	0.0001	0.00026667	0.0005	0.00020817
1e+12	0.1675	0.16842	0.1705	0.001408	0.1677	0.1686	0.1706	0.0013736	0.0001	0.000175	0.0003	9.5743e-05
5e+12	0.1661	0.16875	0.17	0.0017861	0.1663	0.169	0.1702	0.0018129	0.0002	0.00025	0.0003	5.7735e-05
1e+13	0.1671	0.16783	0.1694	0.001072	0.1672	0.16795	0.1695	0.0010536	0.0001	0.000125	0.0002	5e-05

Device Test: 6.65; VOL_RESET_2MA_OD

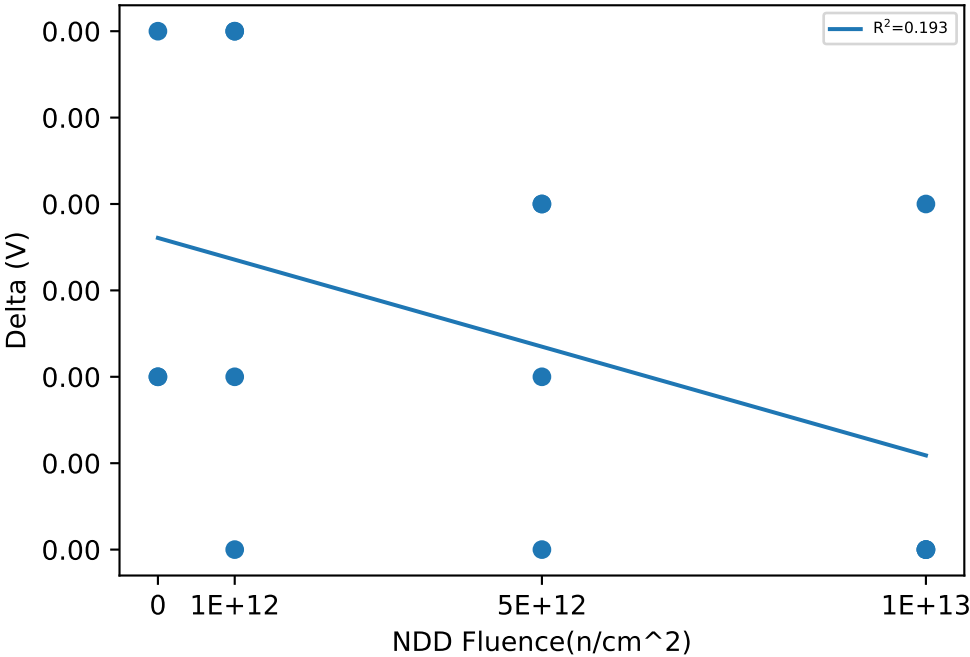
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1709	0.171	0.0001
314	1e+12	NDD Unbiased	0.1678	0.168	0.0002
315	1e+12	NDD Unbiased	0.1676	0.168	0.0004
316	1e+12	NDD Unbiased	0.1681	0.1685	0.0004
317	5e+12	NDD Unbiased	0.1705	0.1708	0.0003
318	5e+12	NDD Unbiased	0.1699	0.1702	0.0003
320	5e+12	NDD Unbiased	0.1703	0.1704	0.0001
321	5e+12	NDD Unbiased	0.1669	0.1671	0.0002
322	1e+13	NDD Unbiased	0.169	0.1693	0.0003
323	1e+13	NDD Unbiased	0.1677	0.1678	0.0001
324	1e+13	NDD Unbiased	0.1676	0.1677	0.0001
325	1e+13	NDD Unbiased	0.1671	0.1672	0.0001
326	0	Correlation	0.1668	0.167	0.0002
327	0	Correlation	0.1676	0.1678	0.0002
328	0	Correlation	0.1667	0.1671	0.0004

NDD vs Post - Pre Exposure Delta

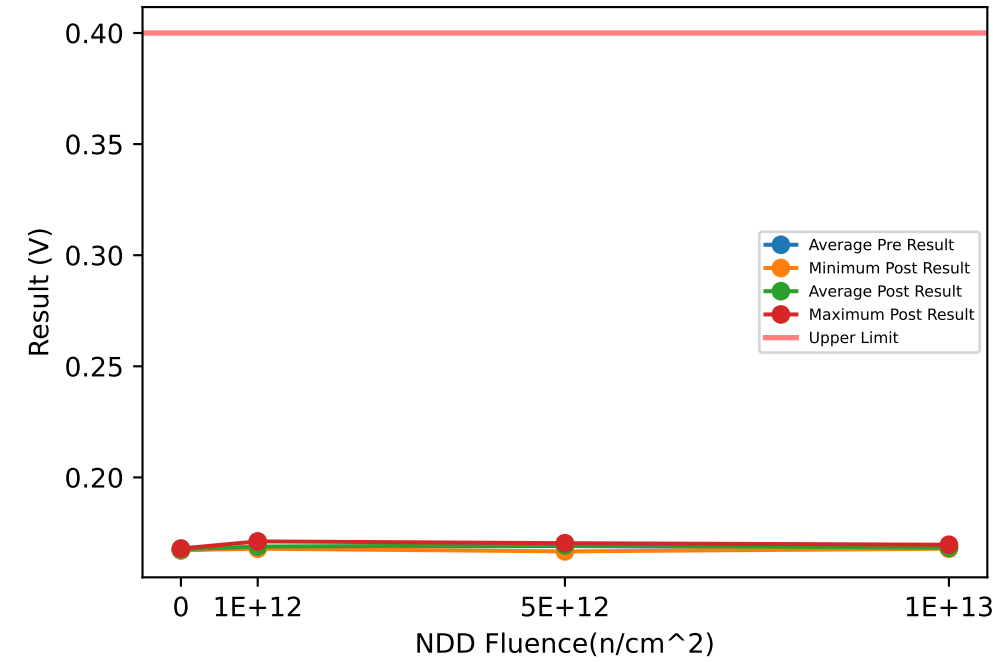


Test Statistics (V)

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	0.1667	0.16703	0.1676	0.00049329	0.167	0.1673	0.1678	0.00043589	0.0002	0.00026667	0.0004	0.00011547
1e+12	0.1676	0.1686	0.1709	0.001547	0.168	0.16887	0.171	0.0014361	0.0001	0.000275	0.0004	0.00015
5e+12	0.1669	0.1694	0.1705	0.0016852	0.1671	0.16962	0.1708	0.0017017	0.0001	0.000225	0.0003	9.5743e-05
1e+13	0.1671	0.16785	0.169	0.00081035	0.1672	0.168	0.1693	0.00090554	0.0001	0.00015	0.0003	0.0001

Device Test: 6.66; VOL_RESET_2MA_OD

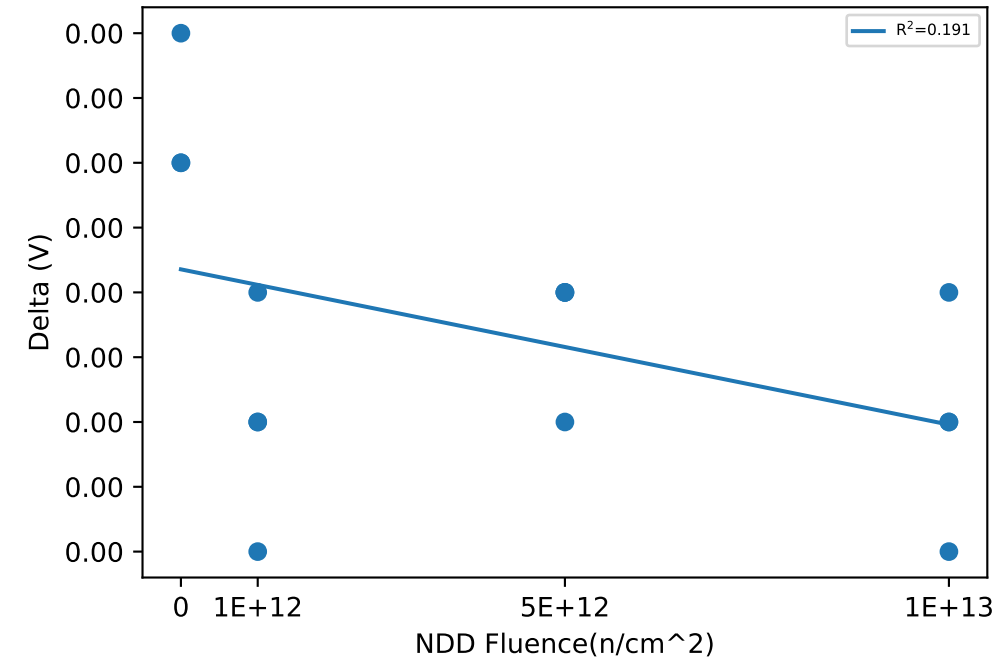
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1711	0.1712	0.0001
314	1e+12	NDD Unbiased	0.1677	0.1679	0.0002
315	1e+12	NDD Unbiased	0.1679	0.1681	0.0002
316	1e+12	NDD Unbiased	0.168	0.1683	0.0003
317	5e+12	NDD Unbiased	0.17	0.1703	0.0003
318	5e+12	NDD Unbiased	0.1701	0.1704	0.0003
320	5e+12	NDD Unbiased	0.17	0.1702	0.0002
321	5e+12	NDD Unbiased	0.1664	0.1667	0.0003
322	1e+13	NDD Unbiased	0.1696	0.1697	0.0001
323	1e+13	NDD Unbiased	0.1679	0.1681	0.0002
324	1e+13	NDD Unbiased	0.1677	0.1679	0.0002
325	1e+13	NDD Unbiased	0.1676	0.1679	0.0003
326	0	Correlation	0.1676	0.168	0.0004
327	0	Correlation	0.1671	0.1676	0.0005
328	0	Correlation	0.1669	0.1673	0.0004

NDD vs Post - Pre Exposure Delta

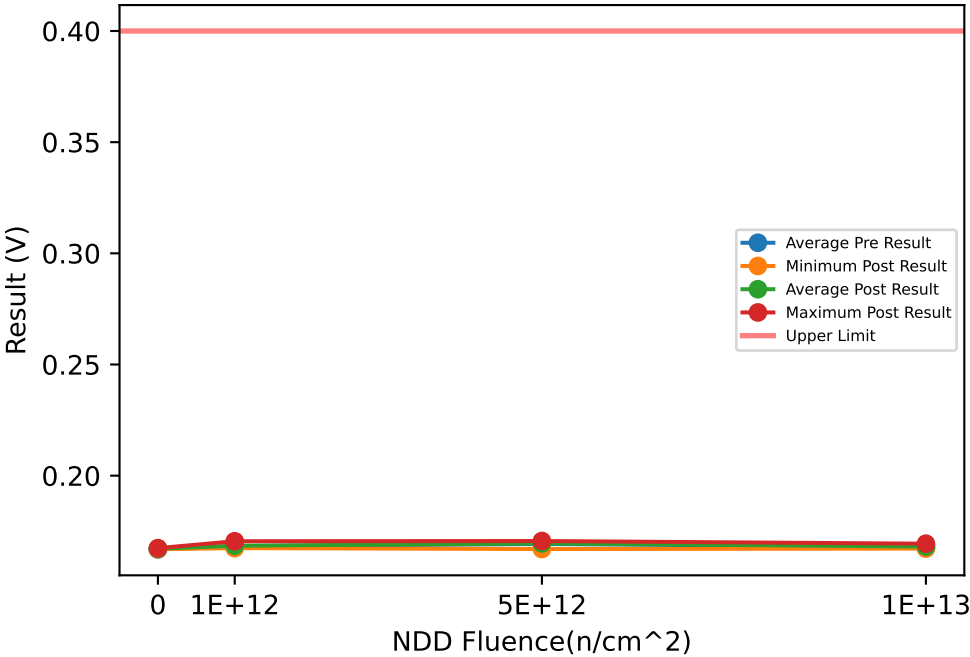


Test Statistics (V)

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	0.1669	0.1672	0.1676	0.00036056	0.1673	0.16763	0.168	0.00035119	0.0004	0.00043333	0.0005	5.7735e-05
1e+12	0.1677	0.16867	0.1711	0.0016215	0.1679	0.16887	0.1712	0.0015586	0.0001	0.0002	0.0003	8.165e-05
5e+12	0.1664	0.16912	0.1701	0.0018173	0.1667	0.1694	0.1704	0.0018019	0.0002	0.000275	0.0003	5e-05
1e+13	0.1676	0.1682	0.1696	0.00094163	0.1679	0.1684	0.1697	0.00087178	0.0001	0.0002	0.0003	8.165e-05

Device Test: 6.67; VOL_RESET_2MA_OD

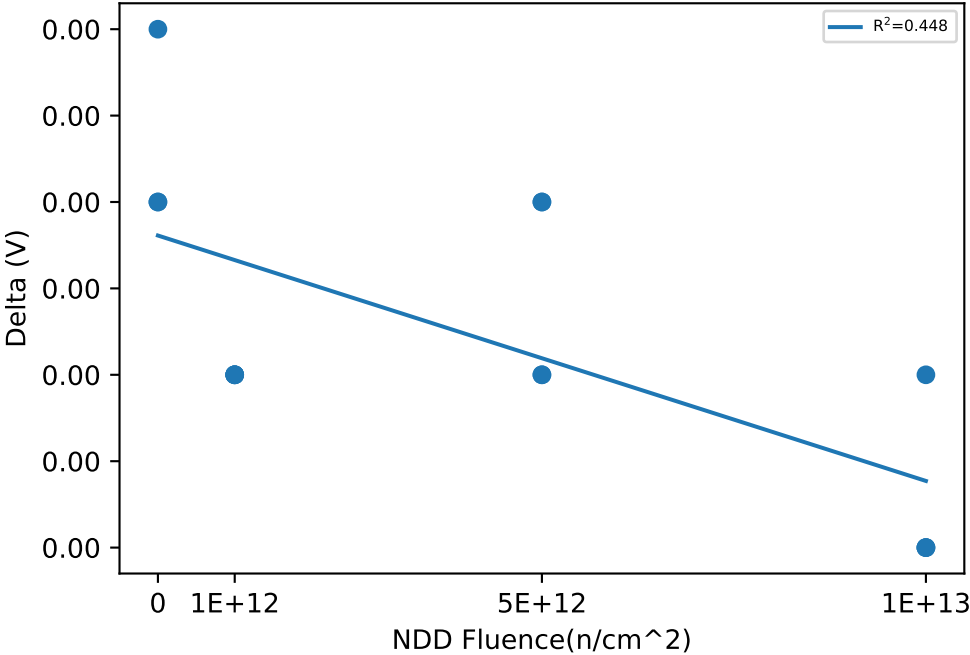
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1703	0.1705	0.0002
314	1e+12	NDD Unbiased	0.1674	0.1676	0.0002
315	1e+12	NDD Unbiased	0.1672	0.1674	0.0002
316	1e+12	NDD Unbiased	0.1682	0.1684	0.0002
317	5e+12	NDD Unbiased	0.1699	0.1701	0.0002
318	5e+12	NDD Unbiased	0.1701	0.1704	0.0003
320	5e+12	NDD Unbiased	0.1704	0.1706	0.0002
321	5e+12	NDD Unbiased	0.1667	0.167	0.0003
322	1e+13	NDD Unbiased	0.1693	0.1694	0.0001
323	1e+13	NDD Unbiased	0.1679	0.1681	0.0002
324	1e+13	NDD Unbiased	0.1676	0.1677	0.0001
325	1e+13	NDD Unbiased	0.1671	0.1672	0.0001
326	0	Correlation	0.1671	0.1674	0.0003
327	0	Correlation	0.1666	0.1669	0.0003
328	0	Correlation	0.1668	0.1672	0.0004

NDD vs Post - Pre Exposure Delta

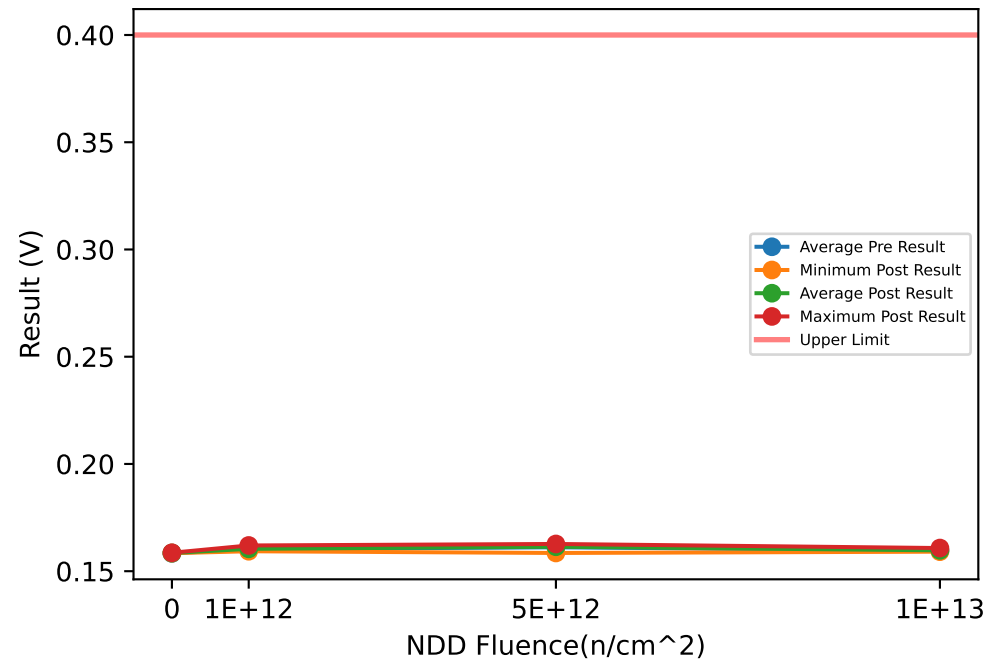


Test Statistics (V)

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	0.1666	0.16683	0.1671	0.00025166	0.1669	0.16717	0.1674	0.00025166	0.0003	0.00033333	0.0004	5.7735e-05
1e+12	0.1672	0.16828	0.1703	0.0014175	0.1674	0.16847	0.1705	0.0014175	0.0002	0.0002	0.0002	0
5e+12	0.1667	0.16928	0.1704	0.0017289	0.167	0.16953	0.1706	0.0016958	0.0002	0.00025	0.0003	5.7735e-05
1e+13	0.1671	0.16797	0.1693	0.00094296	0.1672	0.1681	0.1694	0.00094163	0.0001	0.000125	0.0002	5e-05

Device Test: 6.68; VOL_WDO_2MA_OD

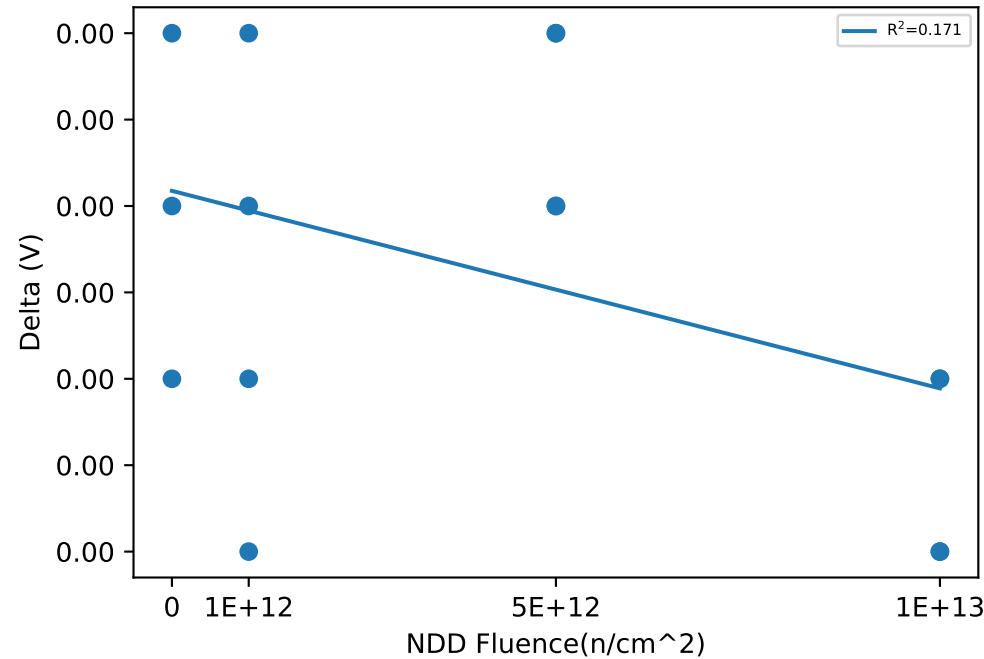
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.162	0.162	0
314	1e+12	NDD Unbiased	0.1596	0.1597	0.0001
315	1e+12	NDD Unbiased	0.159	0.1593	0.0003
316	1e+12	NDD Unbiased	0.1605	0.1607	0.0002
317	5e+12	NDD Unbiased	0.1615	0.1618	0.0003
318	5e+12	NDD Unbiased	0.1625	0.1627	0.0002
320	5e+12	NDD Unbiased	0.1623	0.1626	0.0003
321	5e+12	NDD Unbiased	0.1583	0.1585	0.0002
322	1e+13	NDD Unbiased	0.1607	0.1608	0.0001
323	1e+13	NDD Unbiased	0.1595	0.1596	0.0001
324	1e+13	NDD Unbiased	0.1594	0.1594	0
325	1e+13	NDD Unbiased	0.1591	0.1591	0
326	0	Correlation	0.1584	0.1585	0.0001
327	0	Correlation	0.1584	0.1586	0.0002
328	0	Correlation	0.1581	0.1584	0.0003

NDD vs Post - Pre Exposure Delta

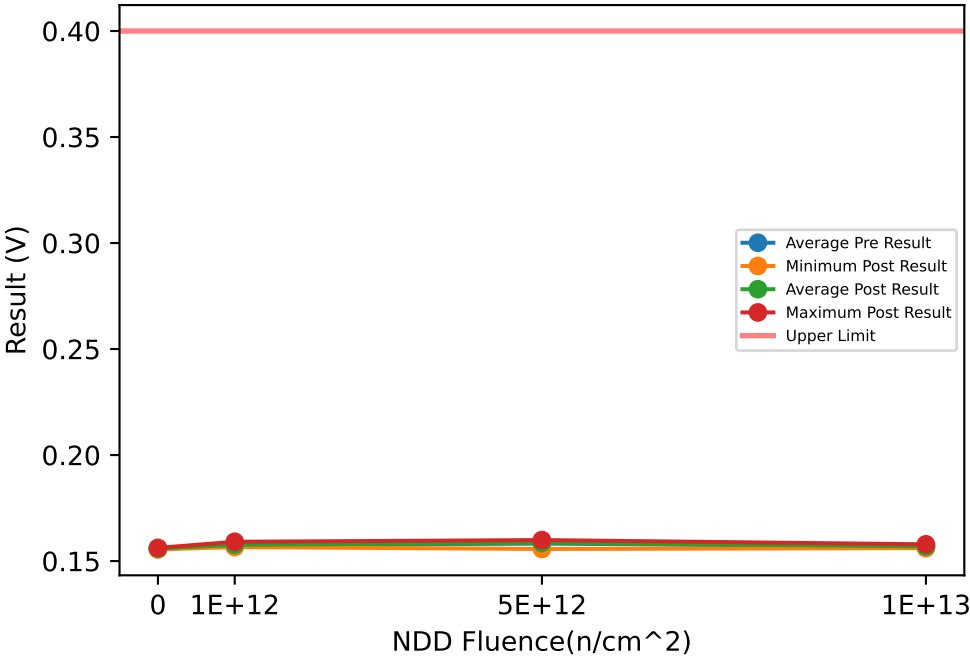


Test Statistics (V)

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	0.1581	0.1583	0.1584	0.00017321	0.1584	0.1585	0.1586	0.0001	0.0001	0.0002	0.0003	0.0001
1e+12	0.159	0.16028	0.162	0.0013048	0.1593	0.16043	0.162	0.0012038	0	0.00015	0.0003	0.0001291
5e+12	0.1583	0.16115	0.1625	0.0019485	0.1585	0.1614	0.1627	0.0019748	0.0002	0.00025	0.0003	5.7735e-05
1e+13	0.1591	0.15968	0.1607	0.00070415	0.1591	0.15973	0.1608	0.00074554	0	5e-05	0.0001	5.7735e-05

Device Test: 6.69; VOL_PWRGD_2MA_OD

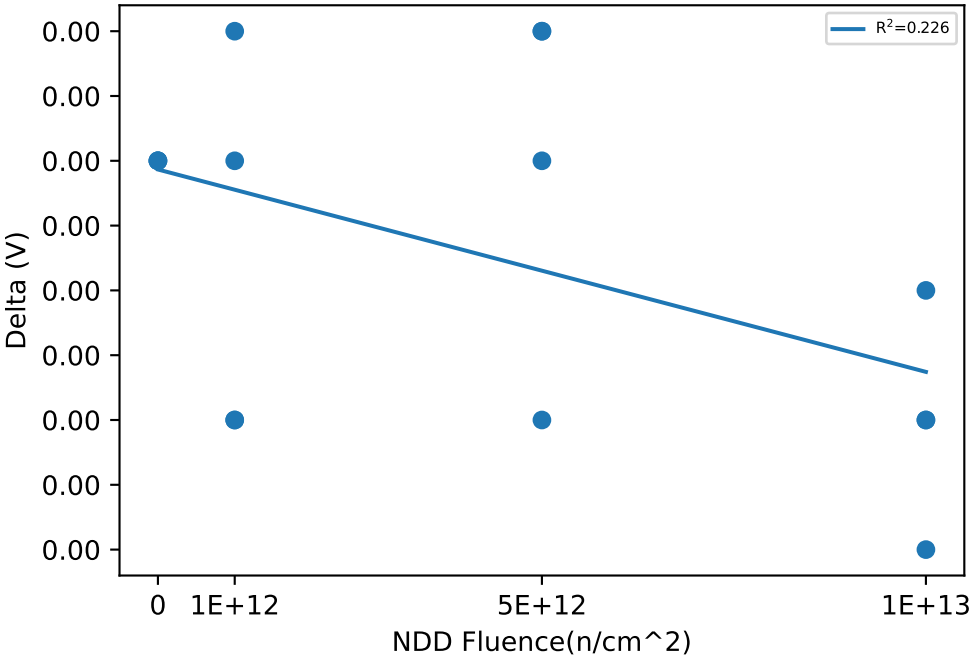
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.159	0.1591	0.0001
314	1e+12	NDD Unbiased	0.157	0.1571	0.0001
315	1e+12	NDD Unbiased	0.1563	0.1566	0.0003
316	1e+12	NDD Unbiased	0.1575	0.1579	0.0004
317	5e+12	NDD Unbiased	0.1586	0.159	0.0004
318	5e+12	NDD Unbiased	0.1598	0.1599	0.0001
320	5e+12	NDD Unbiased	0.1592	0.1596	0.0004
321	5e+12	NDD Unbiased	0.1554	0.1557	0.0003
322	1e+13	NDD Unbiased	0.1578	0.1579	0.0001
323	1e+13	NDD Unbiased	0.157	0.157	0
324	1e+13	NDD Unbiased	0.1565	0.1567	0.0002
325	1e+13	NDD Unbiased	0.156	0.1561	0.0001
326	0	Correlation	0.1559	0.1562	0.0003
327	0	Correlation	0.1558	0.1561	0.0003
328	0	Correlation	0.1552	0.1555	0.0003

NDD vs Post - Pre Exposure Delta

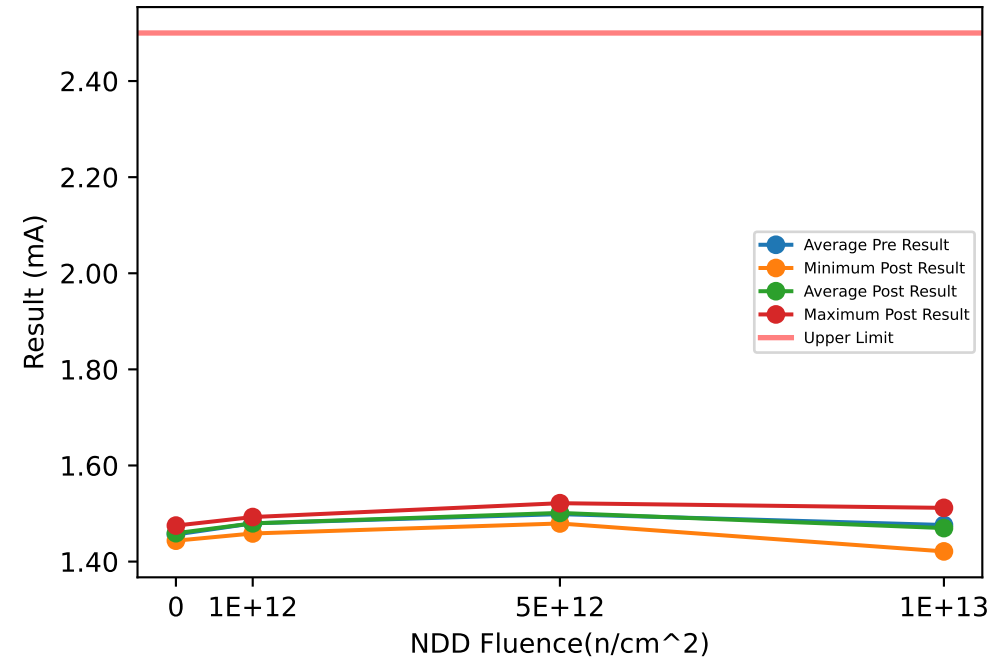


Test Statistics (V)

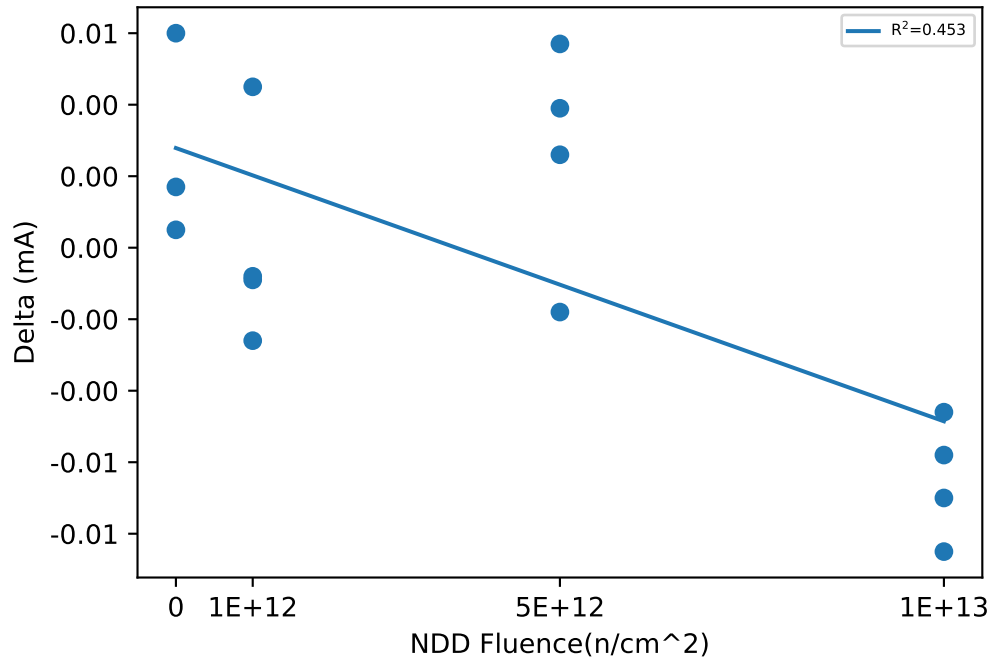
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1552	0.15563	0.1559	0.00037859	0.1555	0.15593	0.1562	0.00037859	0.0003	0.0003	0.0003	0
1e+12	0.1563	0.15745	0.159	0.0011446	0.1566	0.15768	0.1591	0.0010905	0.0001	0.000225	0.0004	0.00015
5e+12	0.1554	0.15825	0.1598	0.0019621	0.1557	0.15855	0.1599	0.0019365	0.0001	0.0003	0.0004	0.00014142
1e+13	0.156	0.15682	0.1578	0.00076757	0.1561	0.15693	0.1579	0.00075	0	0.0001	0.0002	8.165e-05

Device Test: 6.7; IQ

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.5 (mA))

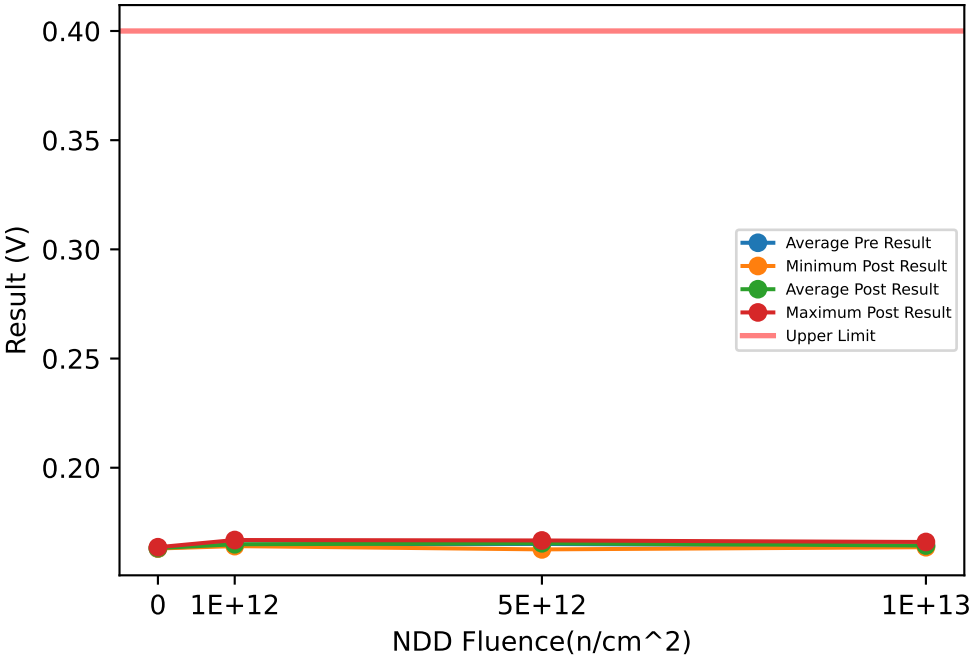
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.4864	1.4855	-0.0009
314	1e+12	NDD Unbiased	1.4772	1.4817	0.0045
315	1e+12	NDD Unbiased	1.4953	1.4927	-0.0026
316	1e+12	NDD Unbiased	1.4593	1.4585	-0.0008
317	5e+12	NDD Unbiased	1.4754	1.4793	0.0039
318	5e+12	NDD Unbiased	1.5189	1.5215	0.0026
320	5e+12	NDD Unbiased	1.5061	1.5118	0.0057
321	5e+12	NDD Unbiased	1.4944	1.4926	-0.0018
322	1e+13	NDD Unbiased	1.4744	1.4674	-0.007
323	1e+13	NDD Unbiased	1.4869	1.4784	-0.0085
324	1e+13	NDD Unbiased	1.427	1.4212	-0.0058
325	1e+13	NDD Unbiased	1.5164	1.5118	-0.0046
326	0	Correlation	1.4732	1.4749	0.0017
327	0	Correlation	1.4583	1.4588	0.0005
328	0	Correlation	1.4375	1.4435	0.006

Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4375	1.4563	1.4732	0.017931	1.4435	1.4591	1.4749	0.015702	0.0005	0.0027333	0.006	0.0028919
1e+12	1.4593	1.4796	1.4953	0.01539	1.4585	1.4796	1.4927	0.014788	-0.0026	5e-05	0.0045	0.0030795
5e+12	1.4754	1.4987	1.5189	0.018477	1.4793	1.5013	1.5215	0.018956	-0.0018	0.0026	0.0057	0.0031969
1e+13	1.427	1.4762	1.5164	0.037213	1.4212	1.4697	1.5118	0.037442	-0.0085	-0.006475	-0.0046	0.0016681

Device Test: 6.70; VOL_RESET_2MA_OD

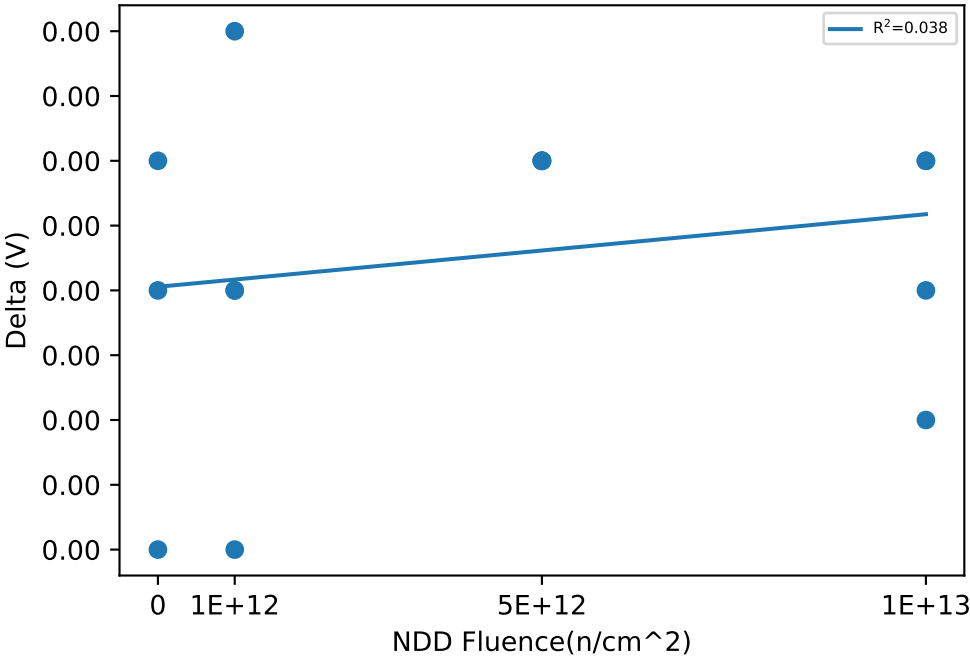
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1669	0.1669	0
314	1e+12	NDD Unbiased	0.1639	0.1641	0.0002
315	1e+12	NDD Unbiased	0.1637	0.1641	0.0004
316	1e+12	NDD Unbiased	0.1645	0.1647	0.0002
317	5e+12	NDD Unbiased	0.1664	0.1667	0.0003
318	5e+12	NDD Unbiased	0.1657	0.166	0.0003
320	5e+12	NDD Unbiased	0.166	0.1663	0.0003
321	5e+12	NDD Unbiased	0.1623	0.1626	0.0003
322	1e+13	NDD Unbiased	0.1657	0.166	0.0003
323	1e+13	NDD Unbiased	0.164	0.1642	0.0002
324	1e+13	NDD Unbiased	0.1635	0.1636	0.0001
325	1e+13	NDD Unbiased	0.1634	0.1637	0.0003
326	0	Correlation	0.163	0.163	0
327	0	Correlation	0.1628	0.163	0.0002
328	0	Correlation	0.1633	0.1636	0.0003

NDD vs Post - Pre Exposure Delta

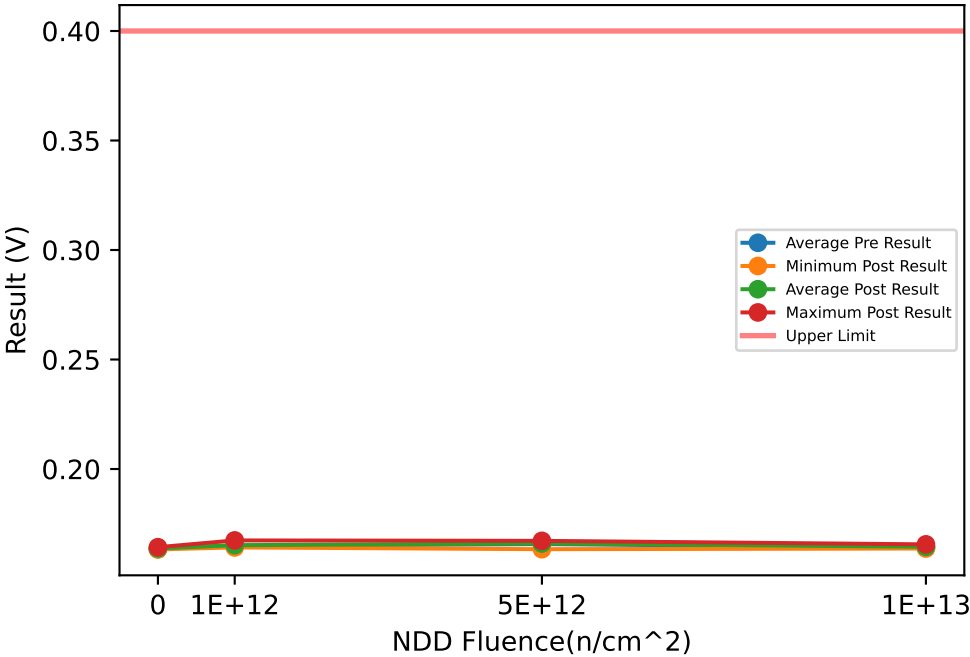


Test Statistics (V)

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	0.1628	0.16303	0.1633	0.00025166	0.163	0.1632	0.1636	0.00034641	0	0.00016667	0.0003	0.00015275
1e+12	0.1637	0.16475	0.1669	0.0014731	0.1641	0.16495	0.1669	0.0013304	0	0.0002	0.0004	0.0001633
5e+12	0.1623	0.1651	0.1664	0.0018886	0.1626	0.1654	0.1667	0.0018886	0.0003	0.0003	0.0003	1.3882e-17
1e+13	0.1634	0.16415	0.1657	0.0010661	0.1636	0.16437	0.166	0.0011147	0.0001	0.000225	0.0003	9.5743e-05

Device Test: 6.71; VOL_RESET_2MA_OD

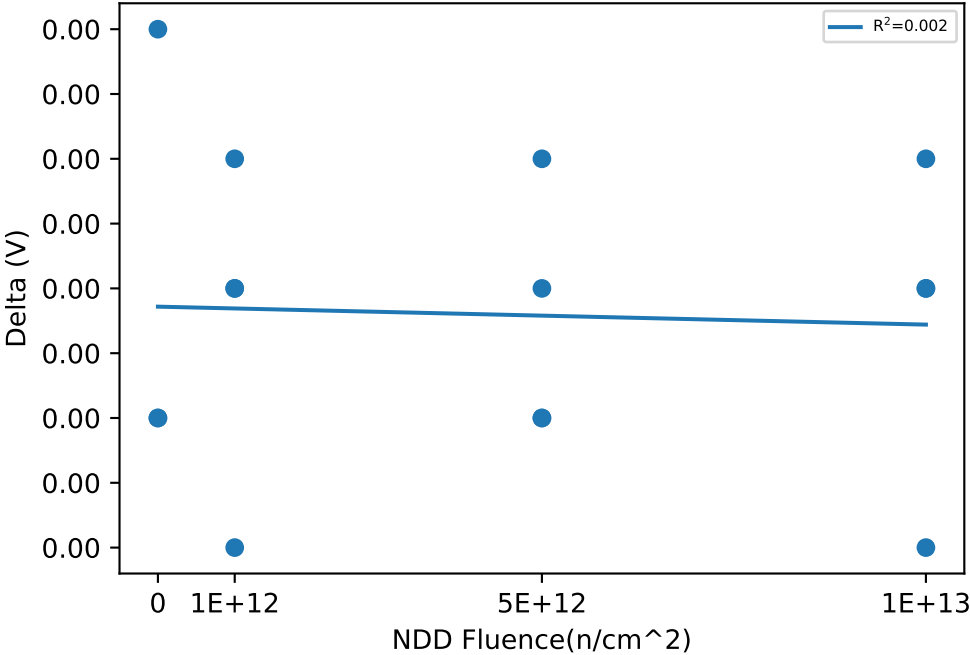
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1673	0.1674	0.0001
314	1e+12	NDD Unbiased	0.1642	0.1645	0.0003
315	1e+12	NDD Unbiased	0.1639	0.1642	0.0003
316	1e+12	NDD Unbiased	0.1644	0.1648	0.0004
317	5e+12	NDD Unbiased	0.167	0.1672	0.0002
318	5e+12	NDD Unbiased	0.1662	0.1664	0.0002
320	5e+12	NDD Unbiased	0.1667	0.167	0.0003
321	5e+12	NDD Unbiased	0.163	0.1634	0.0004
322	1e+13	NDD Unbiased	0.1655	0.1656	0.0001
323	1e+13	NDD Unbiased	0.1642	0.1645	0.0003
324	1e+13	NDD Unbiased	0.1638	0.1642	0.0004
325	1e+13	NDD Unbiased	0.1634	0.1637	0.0003
326	0	Correlation	0.1631	0.1633	0.0002
327	0	Correlation	0.1641	0.1643	0.0002
328	0	Correlation	0.1632	0.1637	0.0005

NDD vs Post - Pre Exposure Delta

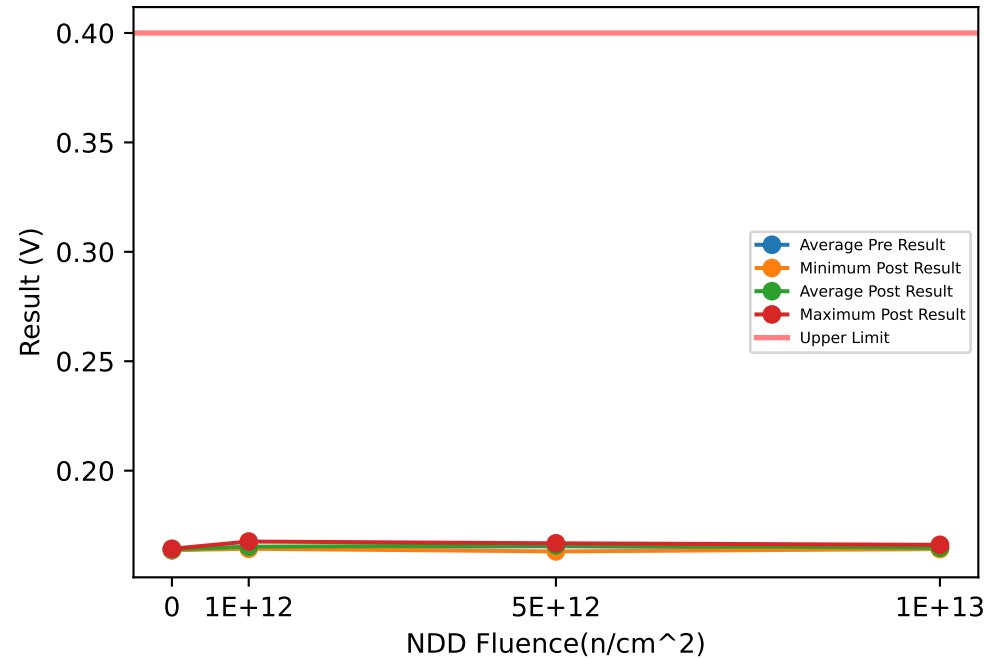


Test Statistics (V)

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	0.1631	0.16347	0.1641	0.00055076	0.1633	0.16377	0.1643	0.00050332	0.0002	0.0003	0.0005	0.00017321
1e+12	0.1639	0.16495	0.1673	0.0015801	0.1642	0.16523	0.1674	0.0014705	0.0001	0.000275	0.0004	0.00012583
5e+12	0.163	0.16573	0.167	0.0018464	0.1634	0.166	0.1672	0.0017664	0.0002	0.000275	0.0004	9.5743e-05
1e+13	0.1634	0.16423	0.1655	0.00091059	0.1637	0.1645	0.1656	0.00080416	0.0001	0.000275	0.0004	0.00012583

Device Test: 6.72; VOL_RESET_2MA_OD

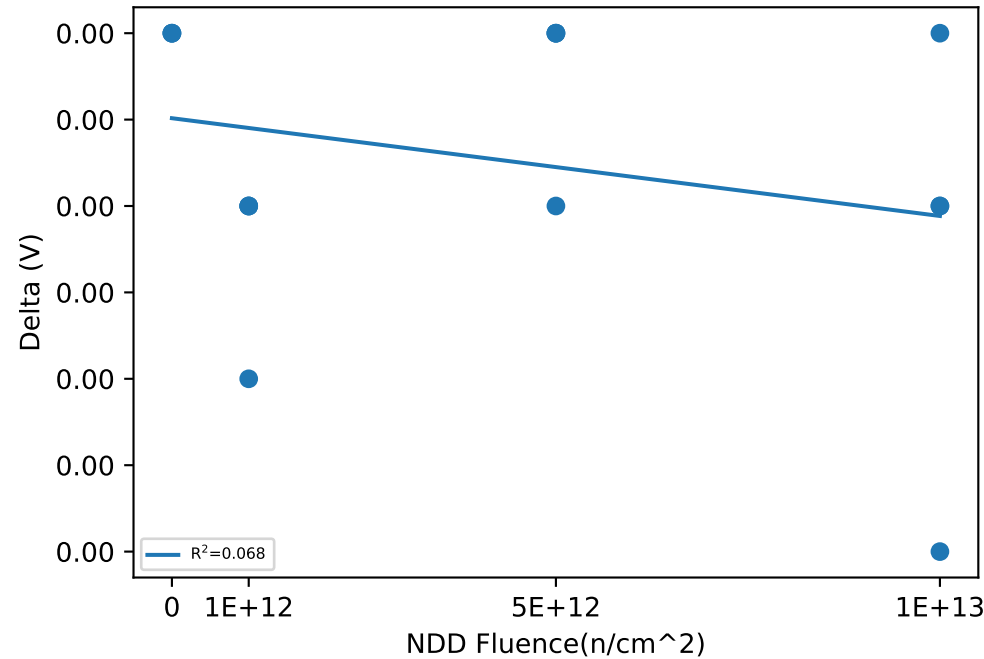
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1674	0.1676	0.0002
314	1e+12	NDD Unbiased	0.164	0.1643	0.0003
315	1e+12	NDD Unbiased	0.1641	0.1644	0.0003
316	1e+12	NDD Unbiased	0.1644	0.1647	0.0003
317	5e+12	NDD Unbiased	0.1664	0.1668	0.0004
318	5e+12	NDD Unbiased	0.1664	0.1667	0.0003
320	5e+12	NDD Unbiased	0.1664	0.1668	0.0004
321	5e+12	NDD Unbiased	0.1627	0.1631	0.0004
322	1e+13	NDD Unbiased	0.166	0.1661	0.0001
323	1e+13	NDD Unbiased	0.1643	0.1646	0.0003
324	1e+13	NDD Unbiased	0.1639	0.1643	0.0004
325	1e+13	NDD Unbiased	0.1639	0.1642	0.0003
326	0	Correlation	0.1639	0.1643	0.0004
327	0	Correlation	0.1637	0.1641	0.0004
328	0	Correlation	0.1633	0.1637	0.0004

NDD vs Post - Pre Exposure Delta

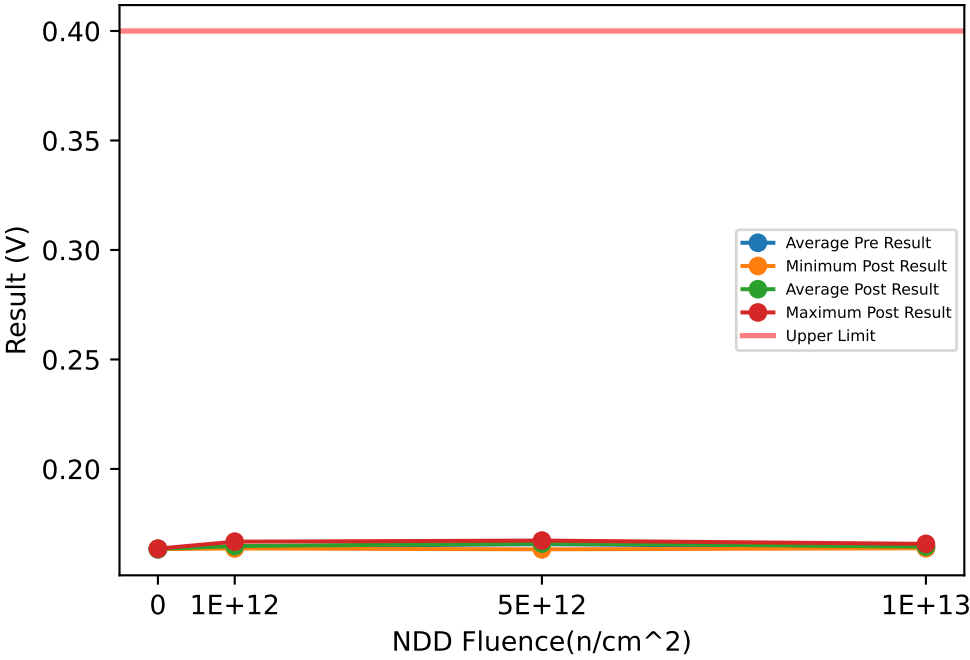


Test Statistics (V)

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	0.1633	0.16363	0.1639	0.00030551	0.1637	0.16403	0.1643	0.00030551	0.0004	0.0004	0.0004	1.6029e-17
1e+12	0.164	0.16497	0.1674	0.0016256	0.1643	0.16525	0.1676	0.0015759	0.0002	0.000275	0.0003	5e-05
5e+12	0.1627	0.16547	0.1664	0.00185	0.1631	0.16585	0.1668	0.0018339	0.0003	0.000375	0.0004	5e-05
1e+13	0.1639	0.16453	0.166	0.0010012	0.1642	0.1648	0.1661	0.00088318	0.0001	0.000275	0.0004	0.00012583

Device Test: 6.73; VOL_RESET_2MA_OD

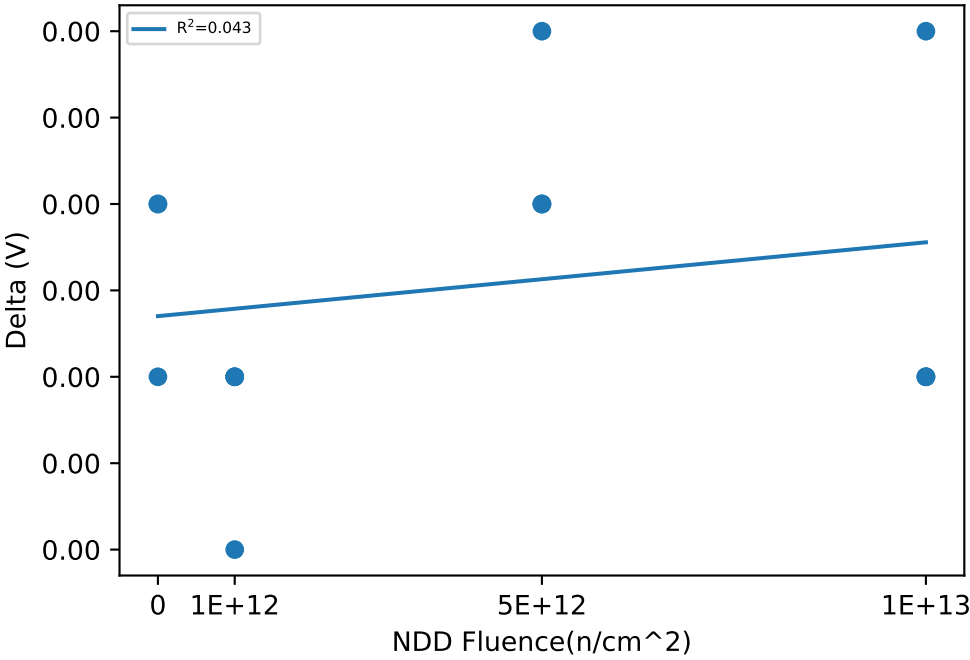
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1667	0.1668	0.0001
314	1e+12	NDD Unbiased	0.1637	0.1639	0.0002
315	1e+12	NDD Unbiased	0.1635	0.1637	0.0002
316	1e+12	NDD Unbiased	0.1645	0.1647	0.0002
317	5e+12	NDD Unbiased	0.1663	0.1666	0.0003
318	5e+12	NDD Unbiased	0.1663	0.1667	0.0004
320	5e+12	NDD Unbiased	0.167	0.1673	0.0003
321	5e+12	NDD Unbiased	0.163	0.1633	0.0003
322	1e+13	NDD Unbiased	0.1656	0.1658	0.0002
323	1e+13	NDD Unbiased	0.1644	0.1646	0.0002
324	1e+13	NDD Unbiased	0.1638	0.164	0.0002
325	1e+13	NDD Unbiased	0.1634	0.1638	0.0004
326	0	Correlation	0.1634	0.1636	0.0002
327	0	Correlation	0.1631	0.1634	0.0003
328	0	Correlation	0.1633	0.1636	0.0003

NDD vs Post - Pre Exposure Delta

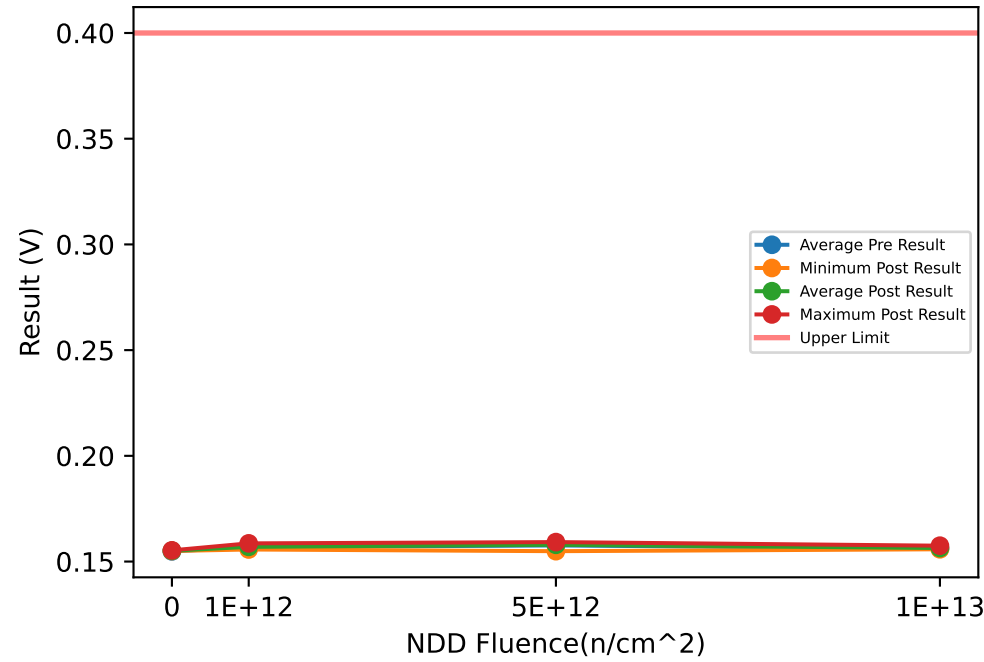


Test Statistics (V)

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	0.1631	0.16327	0.1634	0.00015275	0.1634	0.16353	0.1636	0.00011547	0.0002	0.00026667	0.0003	5.7735e-05
1e+12	0.1635	0.1646	0.1667	0.0014652	0.1637	0.16478	0.1668	0.0014175	0.0001	0.000175	0.0002	5e-05
5e+12	0.163	0.16565	0.167	0.0017972	0.1633	0.16597	0.1673	0.0018099	0.0003	0.000325	0.0004	5e-05
1e+13	0.1634	0.1643	0.1656	0.00095917	0.1638	0.16455	0.1658	0.0009	0.0002	0.00025	0.0004	0.0001

Device Test: 6.74; VOL_WDO_2MA_OD

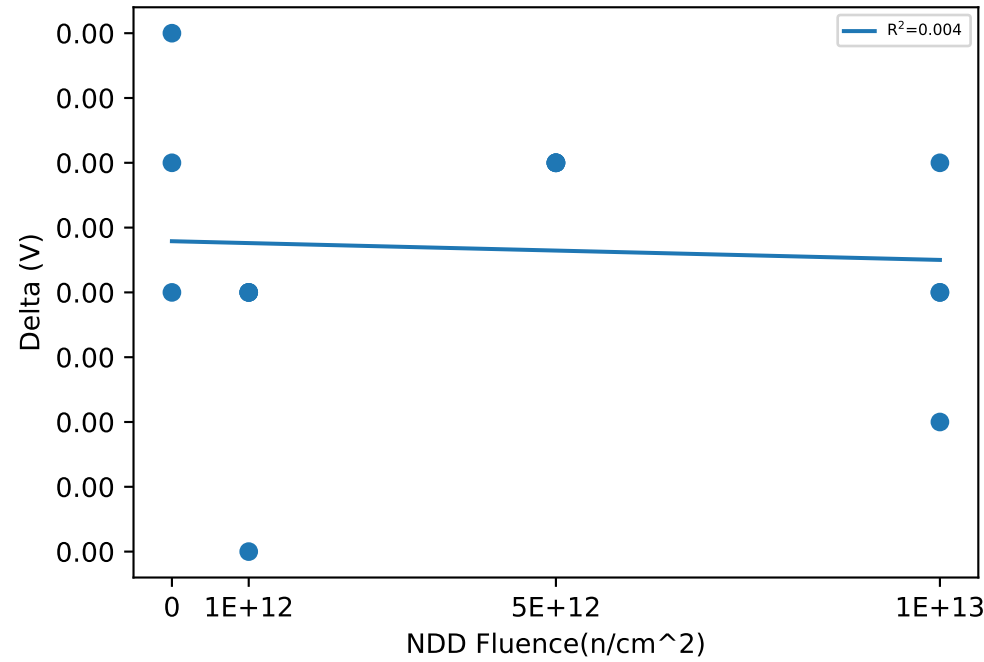
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1586	0.1586	0
314	1e+12	NDD Unbiased	0.1561	0.1563	0.0002
315	1e+12	NDD Unbiased	0.1555	0.1557	0.0002
316	1e+12	NDD Unbiased	0.157	0.1572	0.0002
317	5e+12	NDD Unbiased	0.1581	0.1584	0.0003
318	5e+12	NDD Unbiased	0.1589	0.1592	0.0003
320	5e+12	NDD Unbiased	0.1589	0.1592	0.0003
321	5e+12	NDD Unbiased	0.1546	0.1549	0.0003
322	1e+13	NDD Unbiased	0.1573	0.1575	0.0002
323	1e+13	NDD Unbiased	0.1561	0.1564	0.0003
324	1e+13	NDD Unbiased	0.1558	0.1559	0.0001
325	1e+13	NDD Unbiased	0.1556	0.1558	0.0002
326	0	Correlation	0.1547	0.155	0.0003
327	0	Correlation	0.1551	0.1553	0.0002
328	0	Correlation	0.1546	0.155	0.0004

NDD vs Post - Pre Exposure Delta

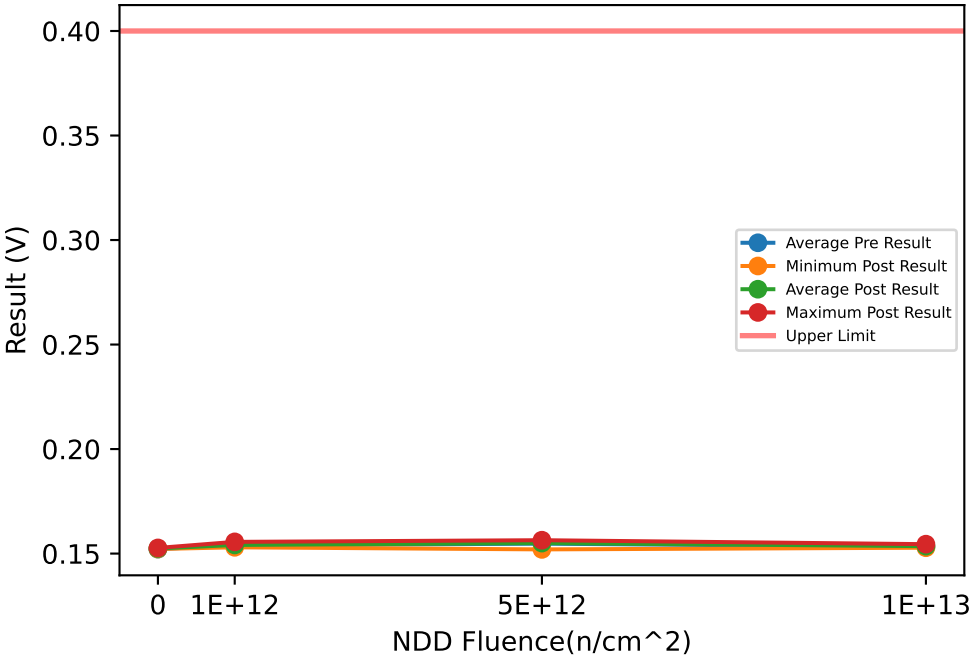


Test Statistics (V)

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	0.1546	0.1548	0.1551	0.00026458	0.155	0.1551	0.1553	0.00017321	0.0002	0.0003	0.0004	0.0001
1e+12	0.1555	0.1568	0.1586	0.0013491	0.1557	0.15695	0.1586	0.001261	0	0.00015	0.0002	0.0001
5e+12	0.1546	0.15763	0.1589	0.0020516	0.1549	0.15793	0.1592	0.0020516	0.0003	0.0003	0.0003	1.6025e-17
1e+13	0.1556	0.1562	0.1573	0.00076158	0.1558	0.1564	0.1575	0.00077889	0.0001	0.0002	0.0003	8.165e-05

Device Test: 6.75; VOL_PWRGD_2MA_OD

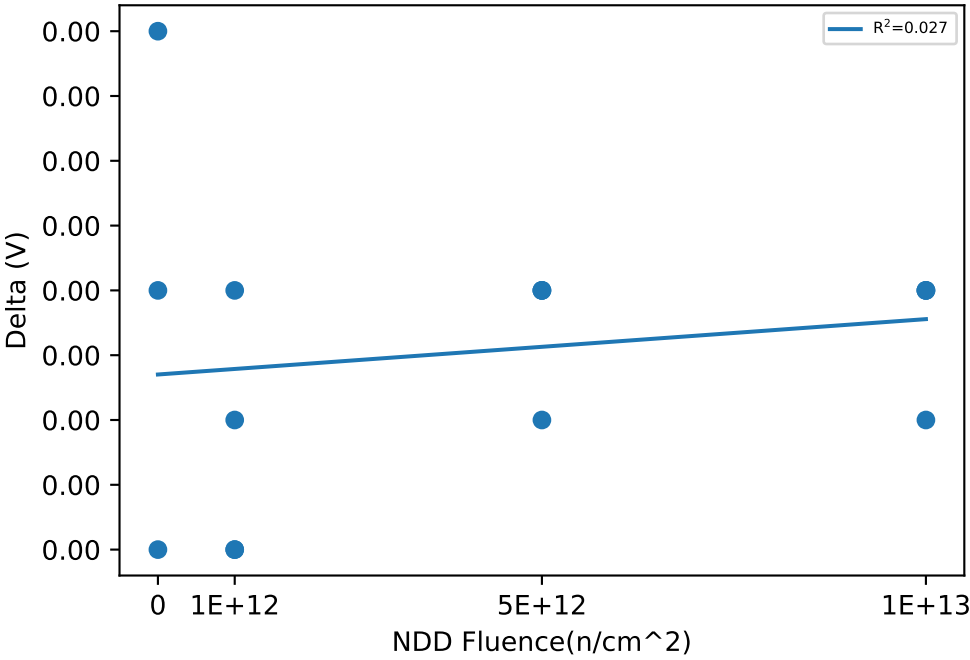
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1555	0.1556	0.0001
314	1e+12	NDD Unbiased	0.1536	0.1537	0.0001
315	1e+12	NDD Unbiased	0.1528	0.153	0.0002
316	1e+12	NDD Unbiased	0.1539	0.1542	0.0003
317	5e+12	NDD Unbiased	0.1552	0.1555	0.0003
318	5e+12	NDD Unbiased	0.1561	0.1564	0.0003
320	5e+12	NDD Unbiased	0.156	0.1562	0.0002
321	5e+12	NDD Unbiased	0.1517	0.152	0.0003
322	1e+13	NDD Unbiased	0.1543	0.1545	0.0002
323	1e+13	NDD Unbiased	0.1535	0.1538	0.0003
324	1e+13	NDD Unbiased	0.1528	0.1531	0.0003
325	1e+13	NDD Unbiased	0.1525	0.1528	0.0003
326	0	Correlation	0.1523	0.1524	0.0001
327	0	Correlation	0.1524	0.1527	0.0003
328	0	Correlation	0.1517	0.1522	0.0005

NDD vs Post - Pre Exposure Delta

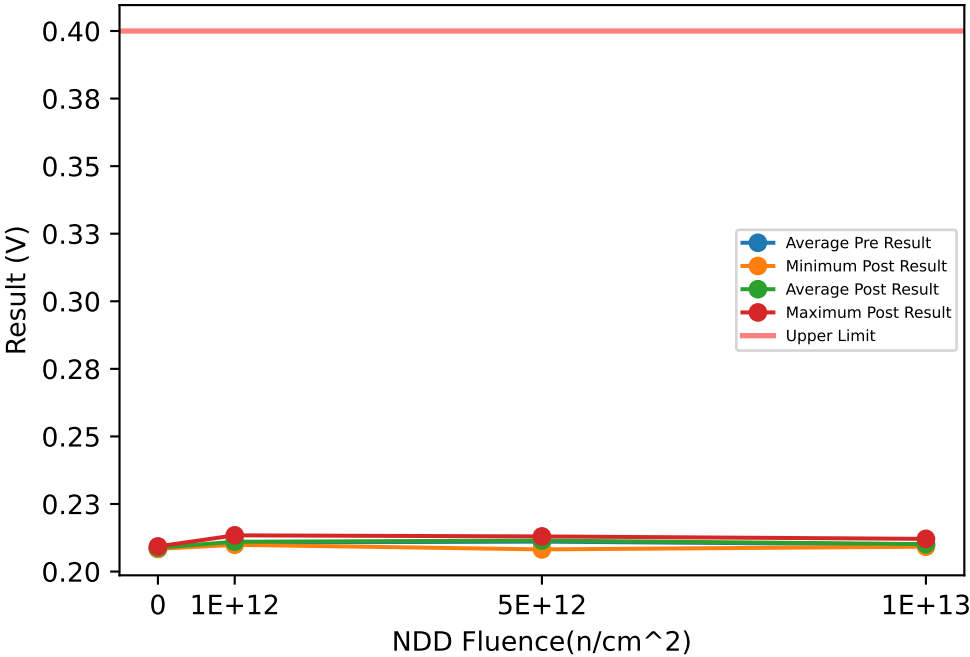


Test Statistics (V)

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	0.1517	0.15213	0.1524	0.00037859	0.1522	0.15243	0.1527	0.00025166	0.0001	0.0003	0.0005	0.0002
1e+12	0.1528	0.15395	0.1555	0.0011328	0.153	0.15413	0.1556	0.0010996	0.0001	0.000175	0.0003	9.5743e-05
5e+12	0.1517	0.15475	0.1561	0.0020728	0.152	0.15502	0.1564	0.0020532	0.0002	0.000275	0.0003	5e-05
1e+13	0.1525	0.15327	0.1543	0.00080156	0.1528	0.15355	0.1545	0.00075939	0.0002	0.000275	0.0003	5e-05

Device Test: 6.76; VOL_RESET_2MA_OD

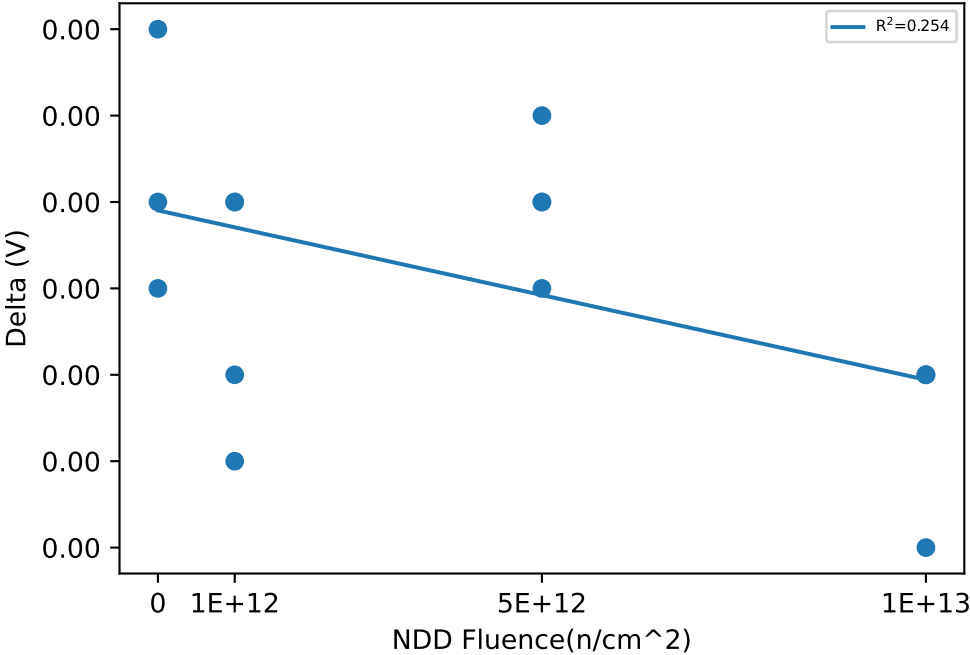
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2133	0.2134	0.0001
314	1e+12	NDD Unbiased	0.2097	0.2099	0.0002
315	1e+12	NDD Unbiased	0.2095	0.2099	0.0004
316	1e+12	NDD Unbiased	0.2105	0.2109	0.0004
317	5e+12	NDD Unbiased	0.2126	0.213	0.0004
318	5e+12	NDD Unbiased	0.212	0.2124	0.0004
320	5e+12	NDD Unbiased	0.212	0.2123	0.0003
321	5e+12	NDD Unbiased	0.2077	0.2082	0.0005
322	1e+13	NDD Unbiased	0.2119	0.2121	0.0002
323	1e+13	NDD Unbiased	0.2097	0.2099	0.0002
324	1e+13	NDD Unbiased	0.2092	0.2092	0
325	1e+13	NDD Unbiased	0.2092	0.2094	0.0002
326	0	Correlation	0.2085	0.2088	0.0003
327	0	Correlation	0.208	0.2084	0.0004
328	0	Correlation	0.2087	0.2093	0.0006

NDD vs Post - Pre Exposure Delta

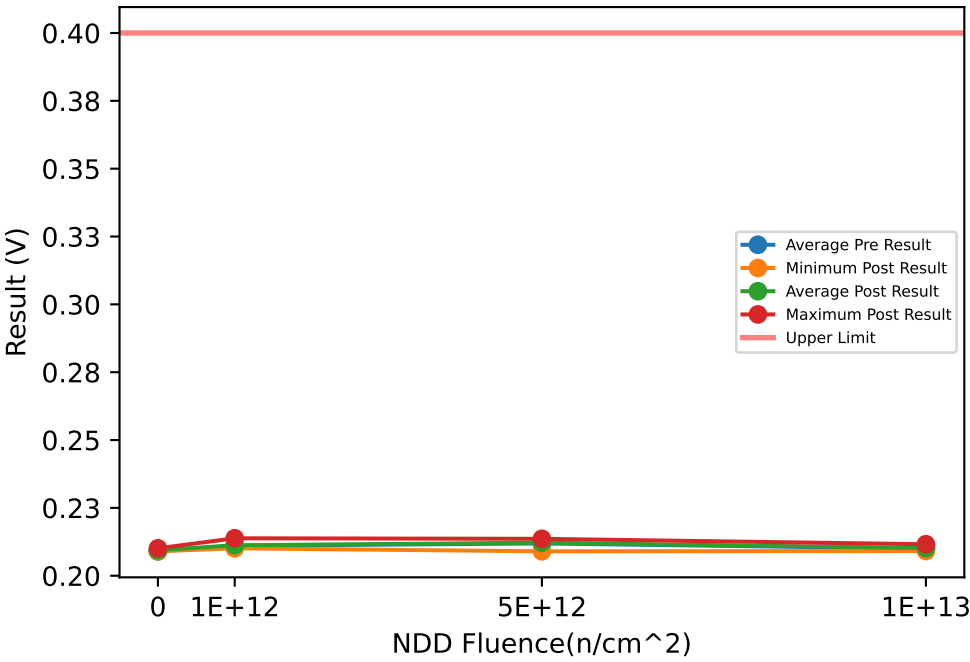


Test Statistics (V)

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	0.208	0.2084	0.2087	0.00036056	0.2084	0.20883	0.2093	0.00045092	0.0003	0.00043333	0.0006	0.00015275
1e+12	0.2095	0.21075	0.2133	0.001754	0.2099	0.21103	0.2134	0.001652	0.0001	0.000275	0.0004	0.00015
5e+12	0.2077	0.21108	0.2126	0.0022677	0.2082	0.21147	0.213	0.0022051	0.0003	0.0004	0.0005	8.165e-05
1e+13	0.2092	0.21	0.2119	0.0012884	0.2092	0.21015	0.2121	0.0013329	0	0.00015	0.0002	0.0001

Device Test: 6.77; VOL_RESET_2MA_OD

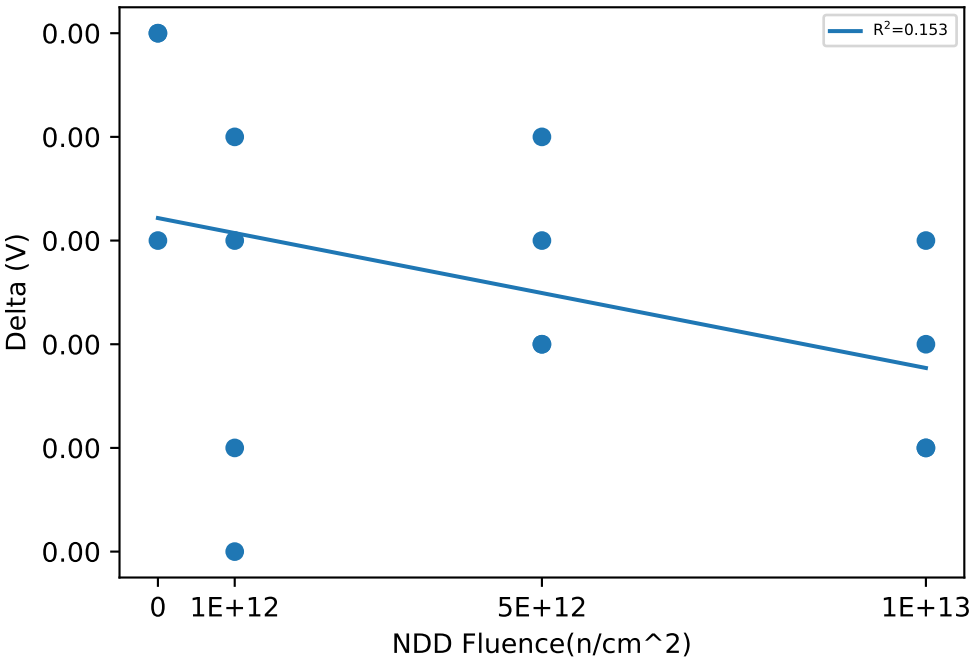
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2138	0.2138	0
314	1e+12	NDD Unbiased	0.2101	0.2102	0.0001
315	1e+12	NDD Unbiased	0.2098	0.2101	0.0003
316	1e+12	NDD Unbiased	0.2104	0.2108	0.0004
317	5e+12	NDD Unbiased	0.2134	0.2136	0.0002
318	5e+12	NDD Unbiased	0.2125	0.2129	0.0004
320	5e+12	NDD Unbiased	0.213	0.2132	0.0002
321	5e+12	NDD Unbiased	0.2087	0.209	0.0003
322	1e+13	NDD Unbiased	0.2115	0.2116	0.0001
323	1e+13	NDD Unbiased	0.2098	0.2101	0.0003
324	1e+13	NDD Unbiased	0.2097	0.2099	0.0002
325	1e+13	NDD Unbiased	0.209	0.2091	0.0001
326	0	Correlation	0.2087	0.209	0.0003
327	0	Correlation	0.2096	0.2101	0.0005
328	0	Correlation	0.2086	0.2091	0.0005

NDD vs Post - Pre Exposure Delta

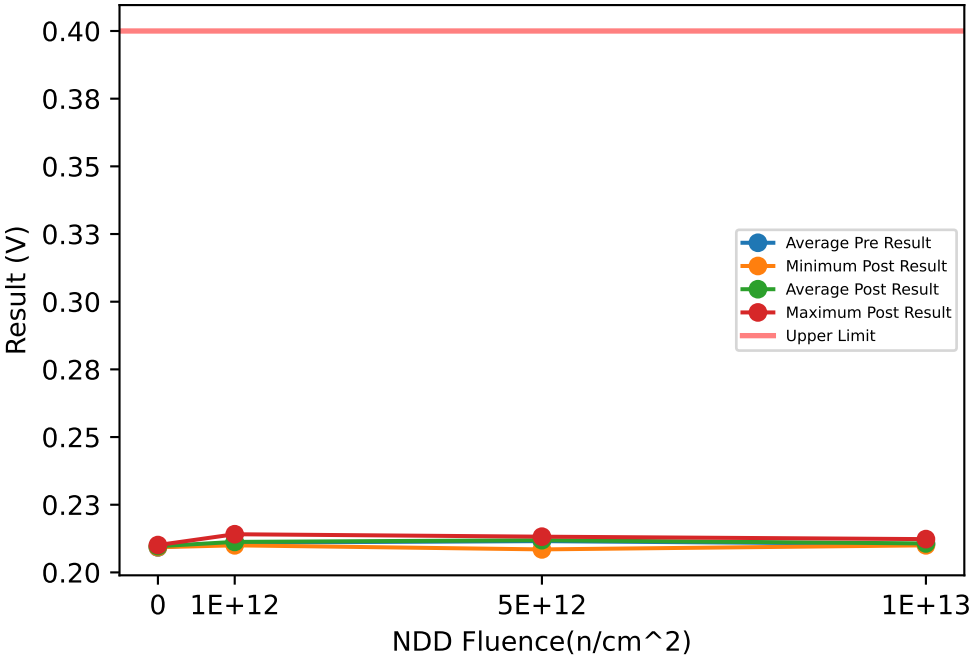


Test Statistics (V)

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	0.2086	0.20897	0.2096	0.00055076	0.209	0.2094	0.2101	0.00060828	0.0003	0.00043333	0.0005	0.00011547
1e+12	0.2098	0.21102	0.2138	0.0018661	0.2101	0.21122	0.2138	0.0017443	0	0.0002	0.0004	0.00018257
5e+12	0.2087	0.2119	0.2134	0.0021649	0.209	0.21218	0.2136	0.002136	0.0002	0.000275	0.0004	9.5743e-05
1e+13	0.209	0.21	0.2115	0.0010614	0.2091	0.21018	0.2116	0.0010436	0.0001	0.000175	0.0003	9.5743e-05

Device Test: 6.78; VOL_RESET_2MA_OD

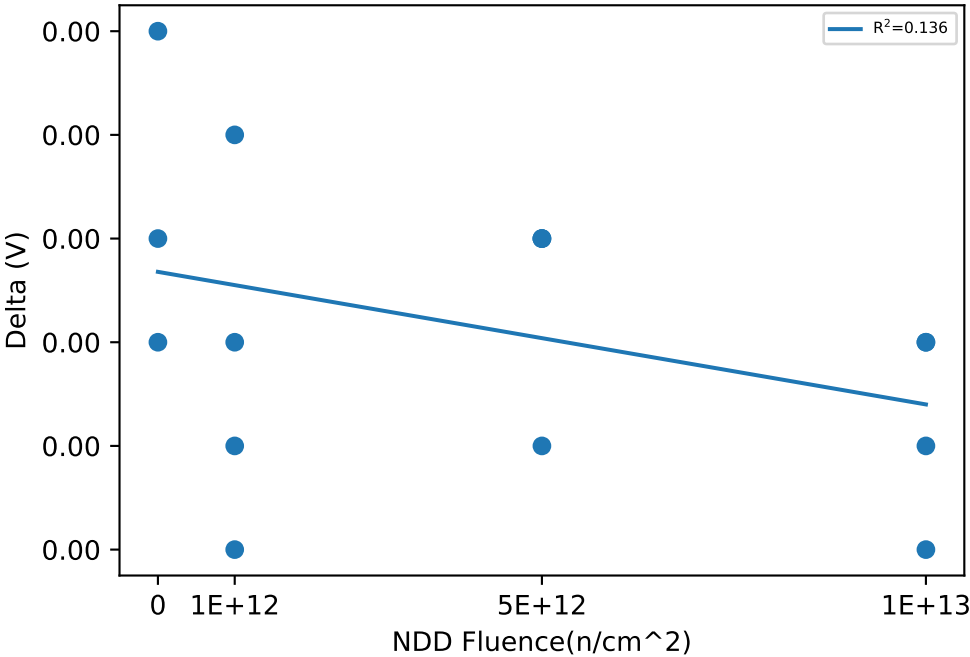
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.214	0.2141	0.0001
314	1e+12	NDD Unbiased	0.2098	0.21	0.0002
315	1e+12	NDD Unbiased	0.21	0.2103	0.0003
316	1e+12	NDD Unbiased	0.2102	0.2107	0.0005
317	5e+12	NDD Unbiased	0.2126	0.213	0.0004
318	5e+12	NDD Unbiased	0.2128	0.2132	0.0004
320	5e+12	NDD Unbiased	0.2125	0.2129	0.0004
321	5e+12	NDD Unbiased	0.2083	0.2085	0.0002
322	1e+13	NDD Unbiased	0.2122	0.2123	0.0001
323	1e+13	NDD Unbiased	0.2101	0.2104	0.0003
324	1e+13	NDD Unbiased	0.2099	0.2101	0.0002
325	1e+13	NDD Unbiased	0.2097	0.21	0.0003
326	0	Correlation	0.2098	0.2101	0.0003
327	0	Correlation	0.2092	0.2096	0.0004
328	0	Correlation	0.2087	0.2093	0.0006

NDD vs Post - Pre Exposure Delta

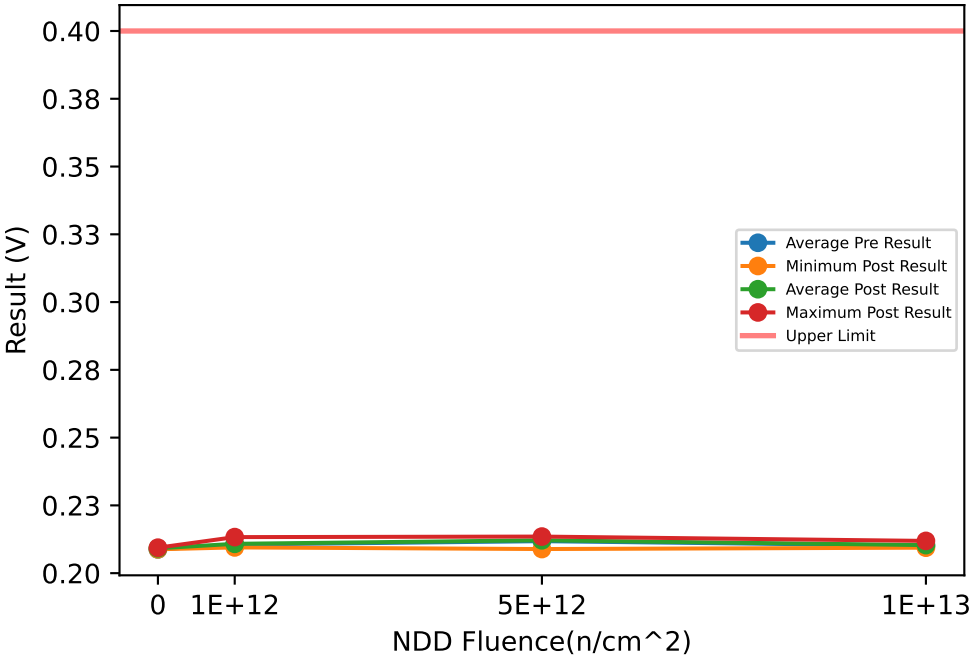


Test Statistics (V)

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	0.2087	0.20923	0.2098	0.00055076	0.2093	0.20967	0.2101	0.00040415	0.0003	0.00043333	0.0006	0.00015275
1e+12	0.2098	0.211	0.214	0.0020067	0.21	0.21127	0.2141	0.001905	0.0001	0.000275	0.0005	0.00017078
5e+12	0.2083	0.21155	0.2128	0.0021703	0.2085	0.2119	0.2132	0.0022701	0.0002	0.00035	0.0004	0.0001
1e+13	0.2097	0.21047	0.2122	0.0011615	0.21	0.2107	0.2123	0.0010801	0.0001	0.000225	0.0003	9.5743e-05

Device Test: 6.79; VOL_RESET_2MA_OD

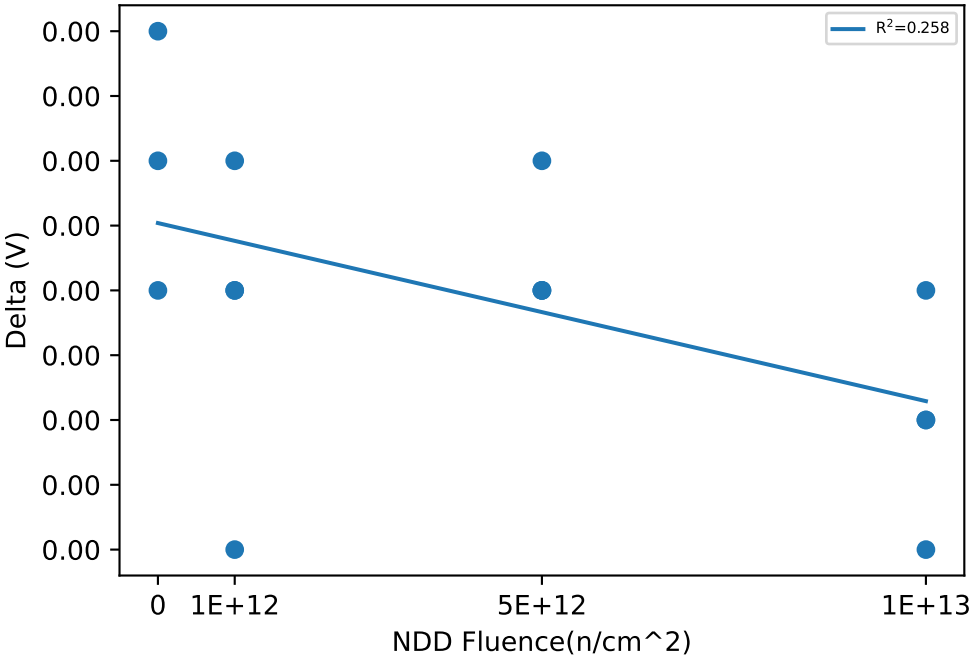
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2132	0.2133	0.0001
314	1e+12	NDD Unbiased	0.2094	0.2097	0.0003
315	1e+12	NDD Unbiased	0.2092	0.2095	0.0003
316	1e+12	NDD Unbiased	0.2104	0.2108	0.0004
317	5e+12	NDD Unbiased	0.2125	0.2129	0.0004
318	5e+12	NDD Unbiased	0.2129	0.2132	0.0003
320	5e+12	NDD Unbiased	0.2132	0.2135	0.0003
321	5e+12	NDD Unbiased	0.2086	0.2089	0.0003
322	1e+13	NDD Unbiased	0.2118	0.2119	0.0001
323	1e+13	NDD Unbiased	0.2101	0.2103	0.0002
324	1e+13	NDD Unbiased	0.2096	0.2098	0.0002
325	1e+13	NDD Unbiased	0.2091	0.2094	0.0003
326	0	Correlation	0.2091	0.2094	0.0003
327	0	Correlation	0.2084	0.2088	0.0004
328	0	Correlation	0.2088	0.2093	0.0005

NDD vs Post - Pre Exposure Delta

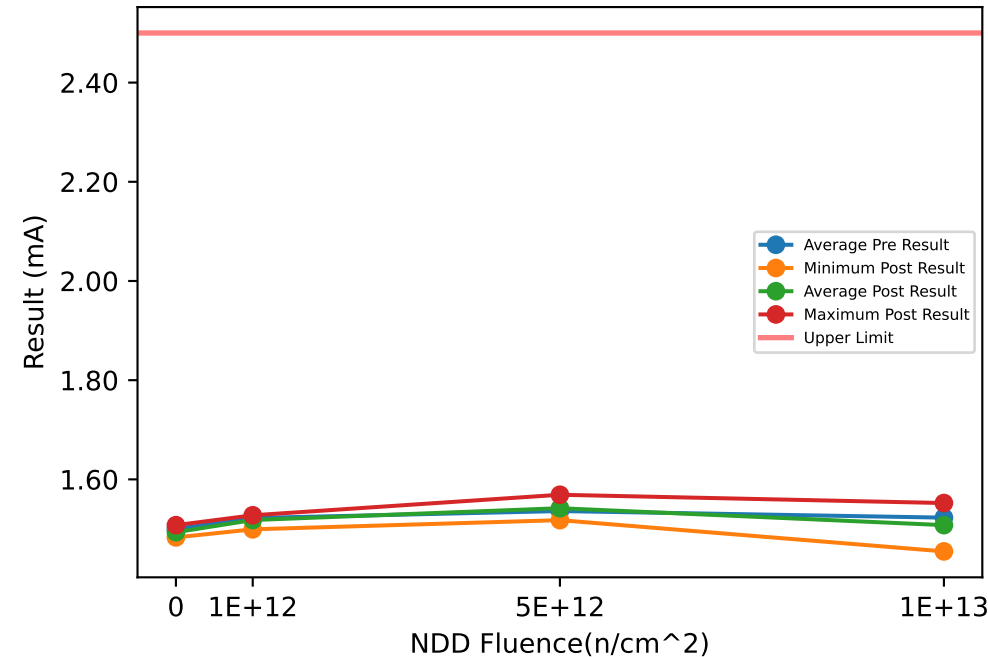


Test Statistics (V)

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	0.2084	0.20877	0.2091	0.00035119	0.2088	0.20917	0.2094	0.00032146	0.0003	0.0004	0.0005	0.0001
1e+12	0.2092	0.21055	0.2132	0.001843	0.2095	0.21082	0.2133	0.0017462	0.0001	0.000275	0.0004	0.00012583
5e+12	0.2086	0.2118	0.2132	0.0021525	0.2089	0.21213	0.2135	0.0021639	0.0003	0.000325	0.0004	5e-05
1e+13	0.2091	0.21015	0.2118	0.0011733	0.2094	0.21035	0.2119	0.001097	0.0001	0.0002	0.0003	8.165e-05

Device Test: 6.8; IQ

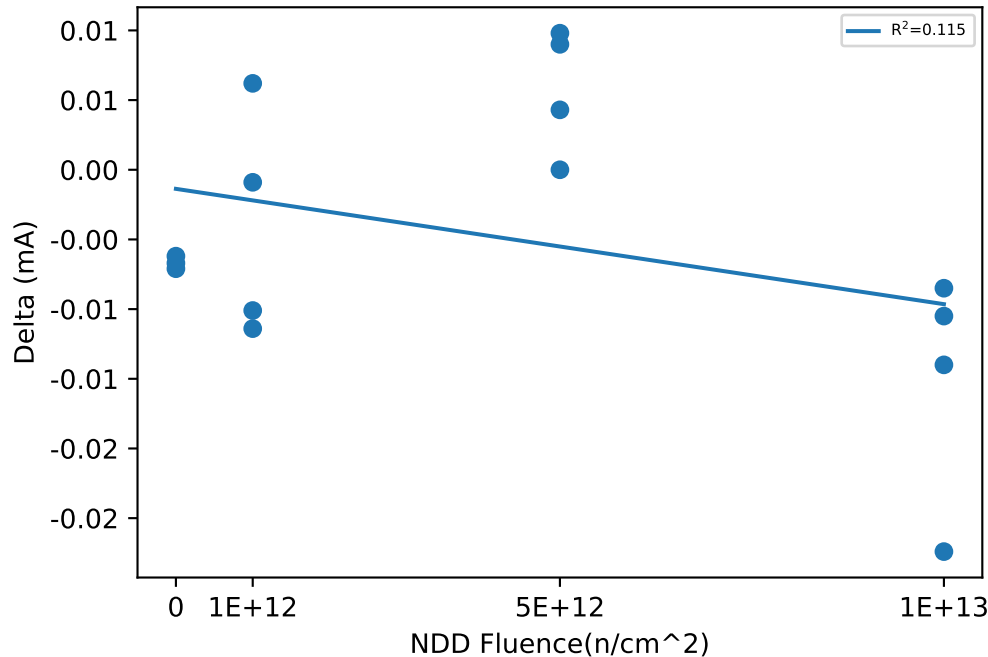
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	1.5256	1.5247	-0.0009
314	1e+12	NDD Unbiased	1.5319	1.5205	-0.0114
315	1e+12	NDD Unbiased	1.5377	1.5276	-0.0101
316	1e+12	NDD Unbiased	1.4931	1.4993	0.0062
317	5e+12	NDD Unbiased	1.5088	1.5178	0.009
318	5e+12	NDD Unbiased	1.569	1.569	0
320	5e+12	NDD Unbiased	1.5382	1.548	0.0098
321	5e+12	NDD Unbiased	1.5285	1.5328	0.0043
322	1e+13	NDD Unbiased	1.507	1.4985	-0.0085
323	1e+13	NDD Unbiased	1.536	1.5255	-0.0105
324	1e+13	NDD Unbiased	1.4822	1.4548	-0.0274
325	1e+13	NDD Unbiased	1.5663	1.5523	-0.014
326	0	Correlation	1.5144	1.5077	-0.0067
327	0	Correlation	1.4968	1.4897	-0.0071
328	0	Correlation	1.4892	1.483	-0.0062

NDD vs Post - Pre Exposure Delta

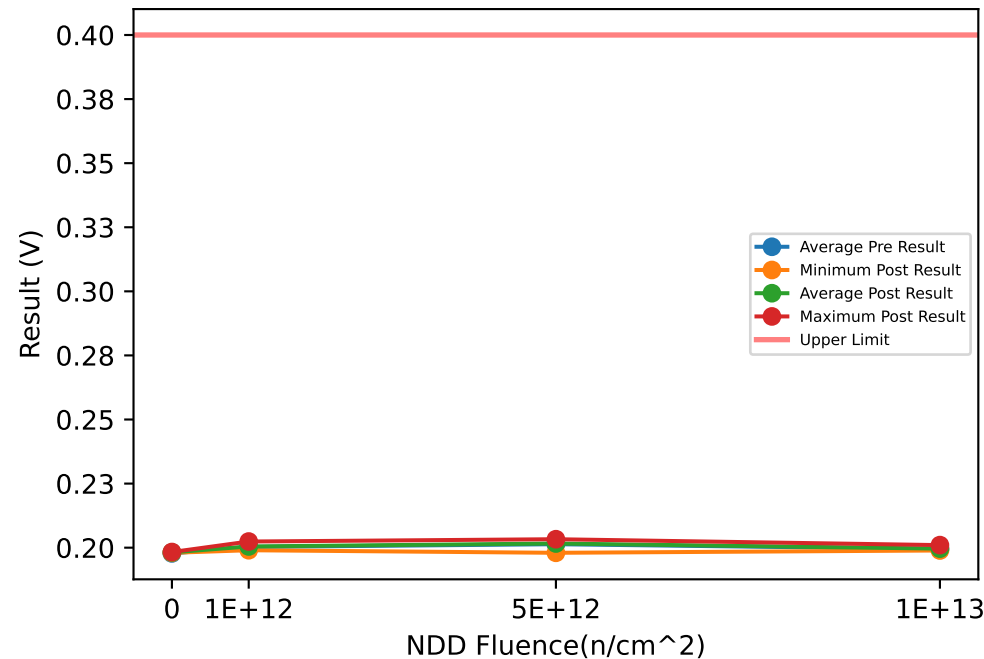


Test Statistics (mA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4892	1.5001	1.5144	0.012926	1.483	1.4935	1.5077	0.012774	-0.0071	-0.0066667	-0.0062	0.00045092
1e+12	1.4931	1.5221	1.5377	0.019939	1.4993	1.518	1.5276	0.012819	-0.0114	-0.00405	0.0062	0.0082787
5e+12	1.5088	1.5361	1.569	0.025099	1.5178	1.5419	1.569	0.021873	0	0.005775	0.0098	0.0045507
1e+13	1.4822	1.5229	1.5663	0.036352	1.4548	1.5078	1.5523	0.041589	-0.0274	-0.0151	-0.0085	0.0085092

Device Test: 6.80; VOL_WDO_2MA_OD

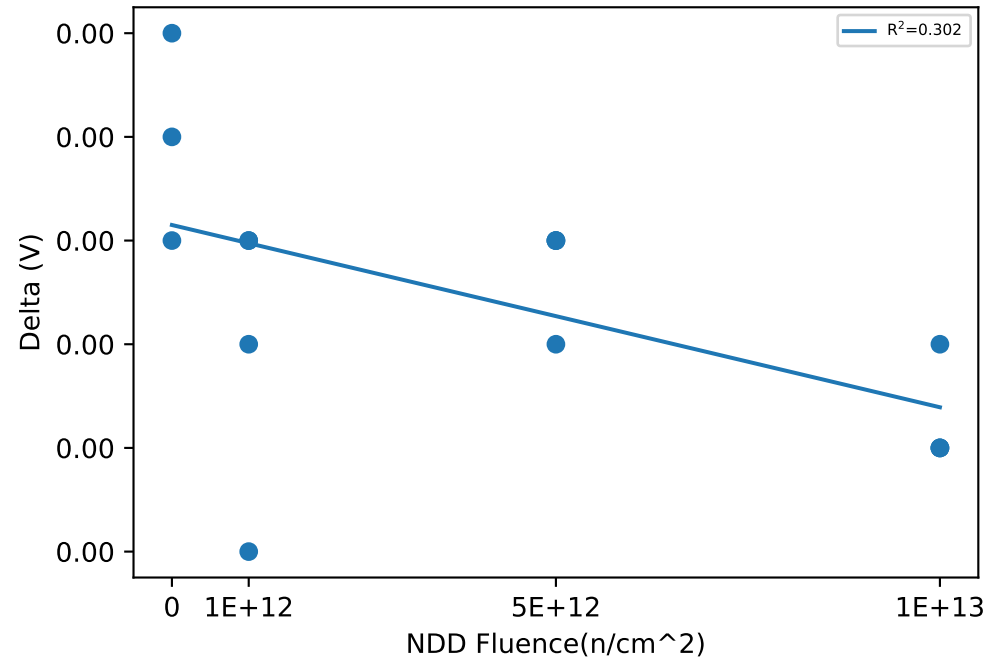
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2024	0.2024	0
314	1e+12	NDD Unbiased	0.1994	0.1996	0.0002
315	1e+12	NDD Unbiased	0.1987	0.199	0.0003
316	1e+12	NDD Unbiased	0.2006	0.2009	0.0003
317	5e+12	NDD Unbiased	0.2019	0.2021	0.0002
318	5e+12	NDD Unbiased	0.203	0.2033	0.0003
320	5e+12	NDD Unbiased	0.2028	0.2031	0.0003
321	5e+12	NDD Unbiased	0.1977	0.198	0.0003
322	1e+13	NDD Unbiased	0.2009	0.201	0.0001
323	1e+13	NDD Unbiased	0.1993	0.1994	0.0001
324	1e+13	NDD Unbiased	0.1991	0.1992	0.0001
325	1e+13	NDD Unbiased	0.1987	0.1989	0.0002
326	0	Correlation	0.1979	0.1982	0.0003
327	0	Correlation	0.1979	0.1983	0.0004
328	0	Correlation	0.1975	0.198	0.0005

NDD vs Post - Pre Exposure Delta

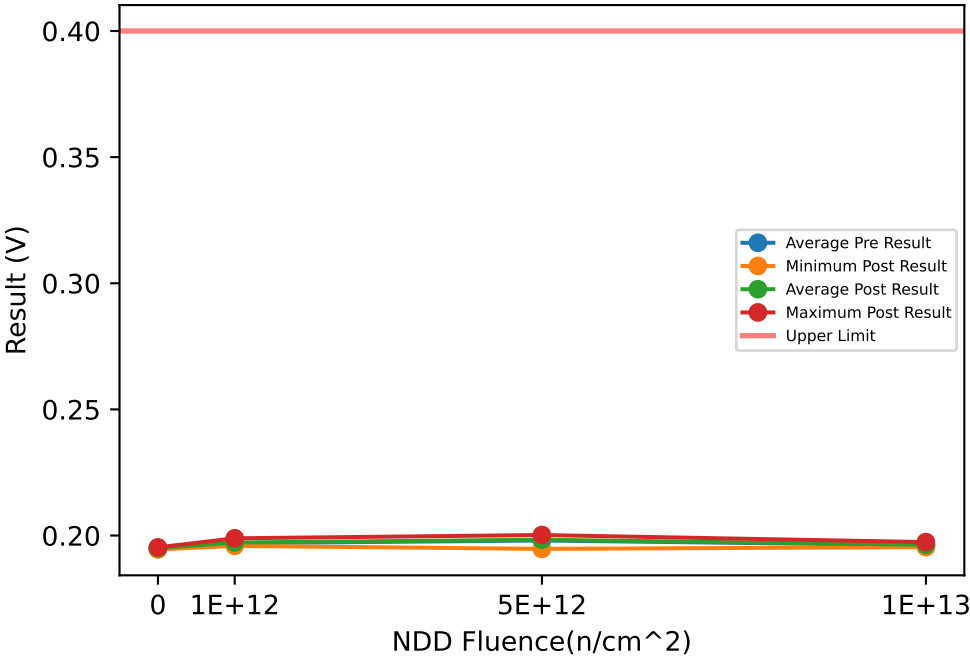


Test Statistics (V)

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	0.1975	0.19777	0.1979	0.00023094	0.198	0.19817	0.1983	0.00015275	0.0003	0.0004	0.0005	0.0001
1e+12	0.1987	0.20027	0.2024	0.0016194	0.199	0.20048	0.2024	0.0015086	0	0.0002	0.0003	0.00014142
5e+12	0.1977	0.20135	0.203	0.0024799	0.198	0.20162	0.2033	0.002473	0.0002	0.000275	0.0003	5e-05
1e+13	0.1987	0.1995	0.2009	0.00096609	0.1989	0.19962	0.201	0.00093941	0.0001	0.000125	0.0002	5e-05

Device Test: 6.81; VOL_PWRGD_2MA_OD

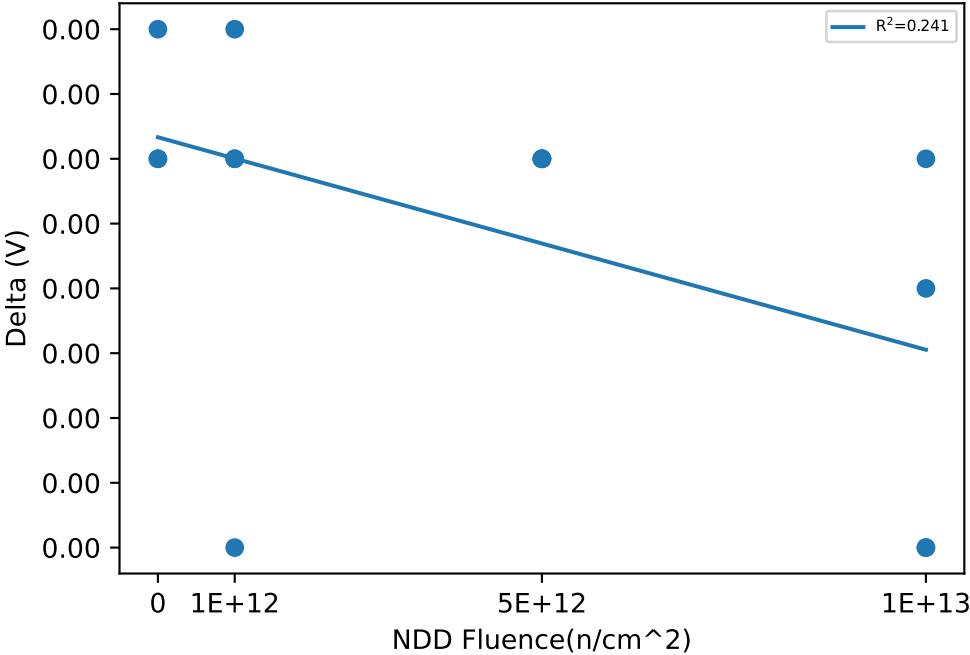
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1989	0.1989	0
314	1e+12	NDD Unbiased	0.1964	0.1967	0.0003
315	1e+12	NDD Unbiased	0.1956	0.1959	0.0003
316	1e+12	NDD Unbiased	0.197	0.1974	0.0004
317	5e+12	NDD Unbiased	0.1985	0.1988	0.0003
318	5e+12	NDD Unbiased	0.1999	0.2002	0.0003
320	5e+12	NDD Unbiased	0.1993	0.1996	0.0003
321	5e+12	NDD Unbiased	0.1944	0.1947	0.0003
322	1e+13	NDD Unbiased	0.1974	0.1974	0
323	1e+13	NDD Unbiased	0.1964	0.1966	0.0002
324	1e+13	NDD Unbiased	0.1959	0.1959	0
325	1e+13	NDD Unbiased	0.1951	0.1954	0.0003
326	0	Correlation	0.195	0.1953	0.0003
327	0	Correlation	0.1948	0.1952	0.0004
328	0	Correlation	0.1942	0.1945	0.0003

NDD vs Post - Pre Exposure Delta

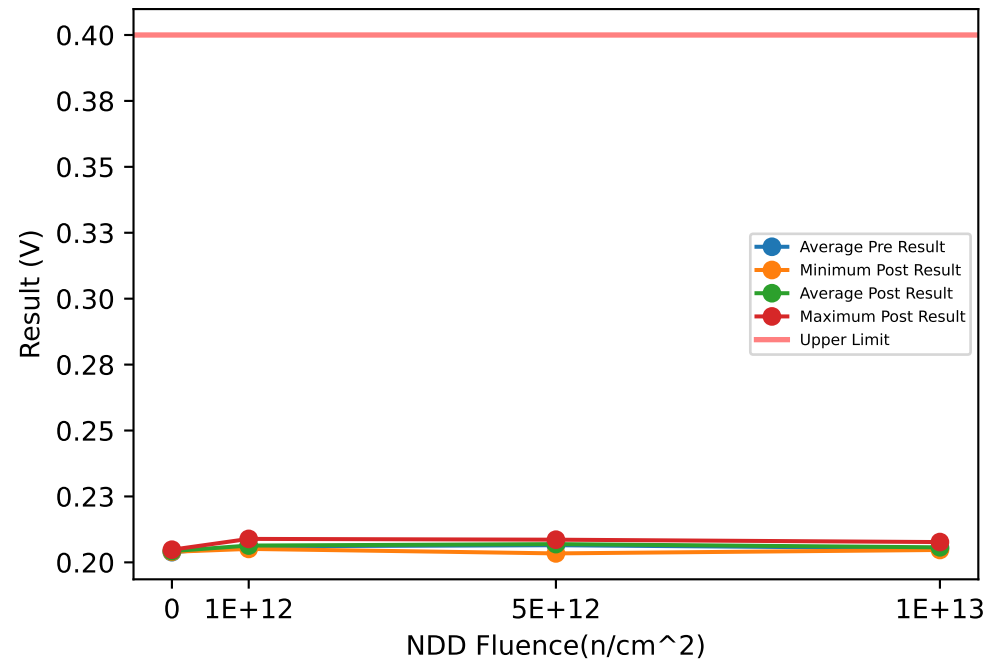


Test Statistics (V)

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	0.1942	0.19467	0.195	0.00041633	0.1945	0.195	0.1953	0.00043589	0.0003	0.00033333	0.0004	5.7735e-05
1e+12	0.1956	0.19698	0.1989	0.0014056	0.1959	0.19722	0.1989	0.0012738	0	0.00025	0.0004	0.00017321
5e+12	0.1944	0.19803	0.1999	0.0024838	0.1947	0.19833	0.2002	0.0024838	0.0003	0.0003	0.0003	1.3878e-17
1e+13	0.1951	0.1962	0.1974	0.00096264	0.1954	0.19632	0.1974	0.00086939	0	0.000125	0.0003	0.00015

Device Test: 6.82; VOL_RESET_2MA_OD

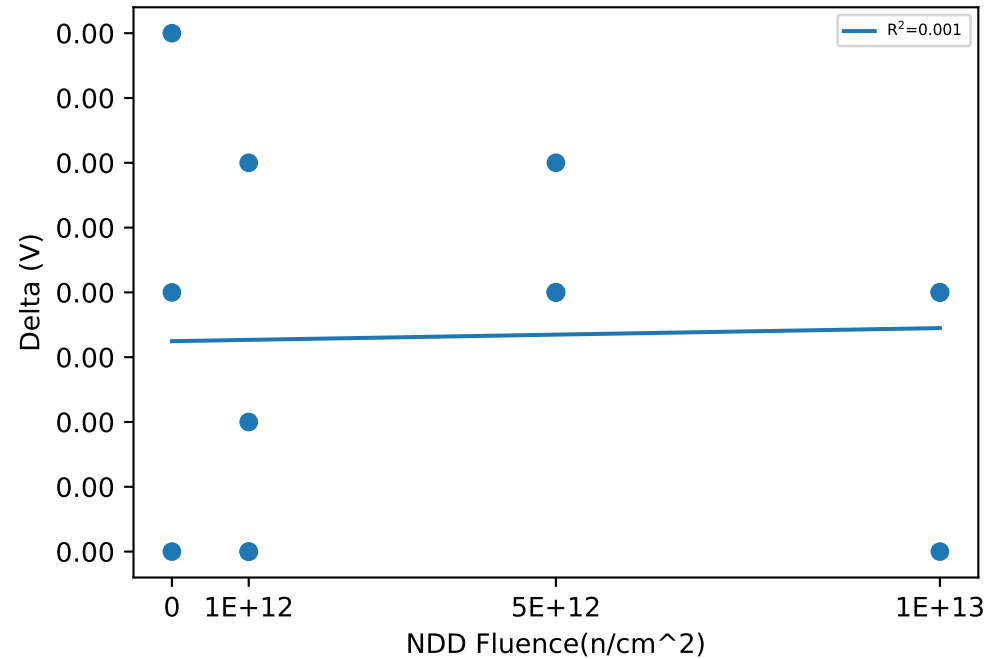
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2087	0.2089	0.0002
314	1e+12	NDD Unbiased	0.2051	0.2053	0.0002
315	1e+12	NDD Unbiased	0.2048	0.2051	0.0003
316	1e+12	NDD Unbiased	0.2057	0.2062	0.0005
317	5e+12	NDD Unbiased	0.2081	0.2086	0.0005
318	5e+12	NDD Unbiased	0.2073	0.2077	0.0004
320	5e+12	NDD Unbiased	0.2076	0.208	0.0004
321	5e+12	NDD Unbiased	0.203	0.2034	0.0004
322	1e+13	NDD Unbiased	0.2073	0.2077	0.0004
323	1e+13	NDD Unbiased	0.2053	0.2055	0.0002
324	1e+13	NDD Unbiased	0.2043	0.2047	0.0004
325	1e+13	NDD Unbiased	0.2045	0.2049	0.0004
326	0	Correlation	0.2038	0.204	0.0002
327	0	Correlation	0.2036	0.204	0.0004
328	0	Correlation	0.2042	0.2048	0.0006

NDD vs Post - Pre Exposure Delta

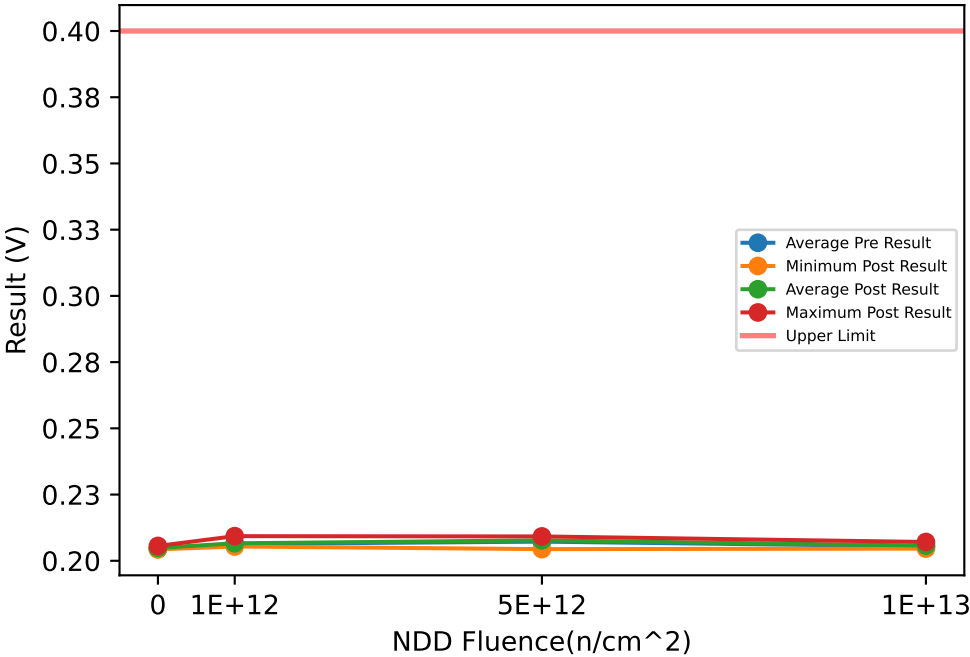


Test Statistics (V)

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	0.2036	0.20387	0.2042	0.00030551	0.204	0.20427	0.2048	0.00046188	0.0002	0.0004	0.0006	0.0002
1e+12	0.2048	0.20608	0.2087	0.0017896	0.2051	0.20638	0.2089	0.00175	0.0002	0.0003	0.0005	0.00014142
5e+12	0.203	0.2065	0.2081	0.0023566	0.2034	0.20692	0.2086	0.0023796	0.0004	0.000425	0.0005	5e-05
1e+13	0.2043	0.20535	0.2073	0.0013699	0.2047	0.2057	0.2077	0.001376	0.0002	0.00035	0.0004	0.0001

Device Test: 6.83; VOL_RESET_2MA_OD

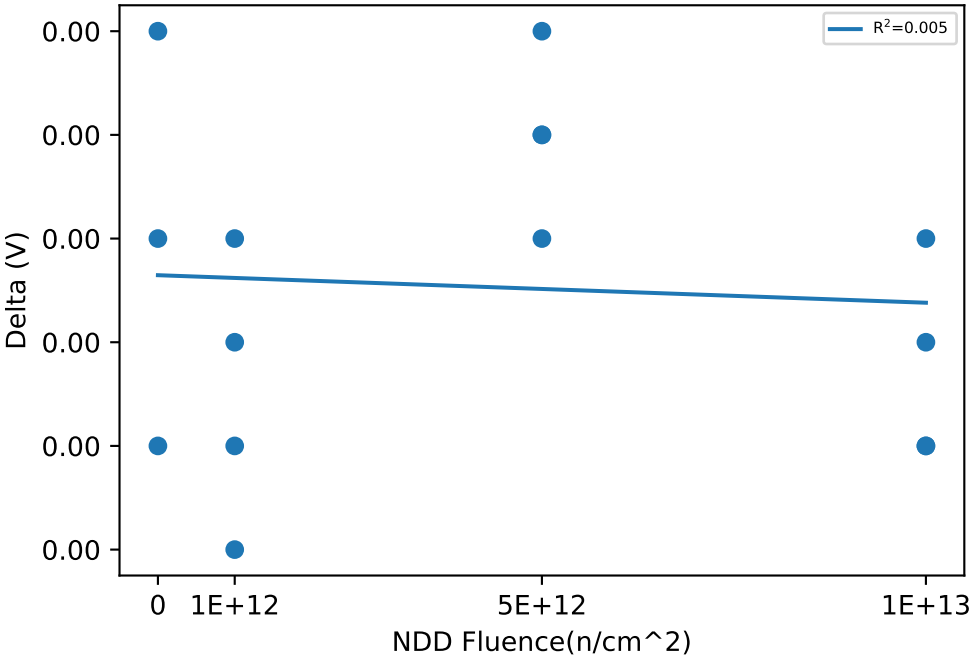
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2092	0.2093	0.0001
314	1e+12	NDD Unbiased	0.2055	0.2057	0.0002
315	1e+12	NDD Unbiased	0.2051	0.2054	0.0003
316	1e+12	NDD Unbiased	0.2056	0.206	0.0004
317	5e+12	NDD Unbiased	0.2088	0.2092	0.0004
318	5e+12	NDD Unbiased	0.2077	0.2083	0.0006
320	5e+12	NDD Unbiased	0.2085	0.209	0.0005
321	5e+12	NDD Unbiased	0.2039	0.2044	0.0005
322	1e+13	NDD Unbiased	0.2069	0.2071	0.0002
323	1e+13	NDD Unbiased	0.2055	0.2058	0.0003
324	1e+13	NDD Unbiased	0.205	0.2054	0.0004
325	1e+13	NDD Unbiased	0.2044	0.2046	0.0002
326	0	Correlation	0.2041	0.2043	0.0002
327	0	Correlation	0.2052	0.2056	0.0004
328	0	Correlation	0.2041	0.2047	0.0006

NDD vs Post - Pre Exposure Delta

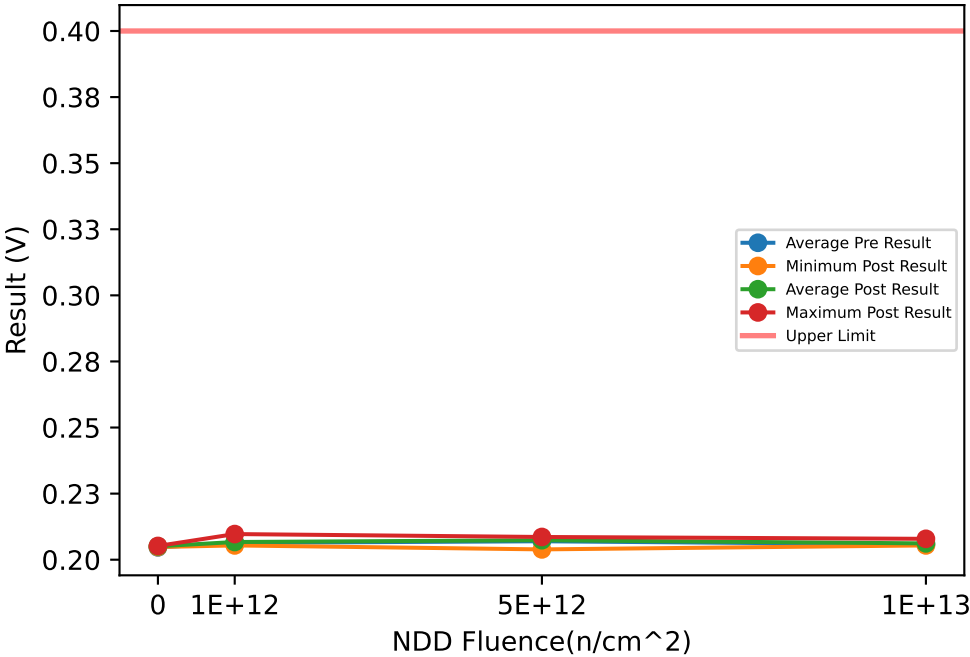


Test Statistics (V)

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	0.2041	0.20447	0.2052	0.00063509	0.2043	0.20487	0.2056	0.00066583	0.0002	0.0004	0.0006	0.0002
1e+12	0.2051	0.20635	0.2092	0.0019122	0.2054	0.2066	0.2093	0.0018166	0.0001	0.00025	0.0004	0.0001291
5e+12	0.2039	0.20722	0.2088	0.0022648	0.2044	0.20772	0.2092	0.00225	0.0004	0.0005	0.0006	8.165e-05
1e+13	0.2044	0.20545	0.2069	0.0010661	0.2046	0.20572	0.2071	0.0010436	0.0002	0.000275	0.0004	9.5743e-05

Device Test: 6.84; VOL_RESET_2MA_OD

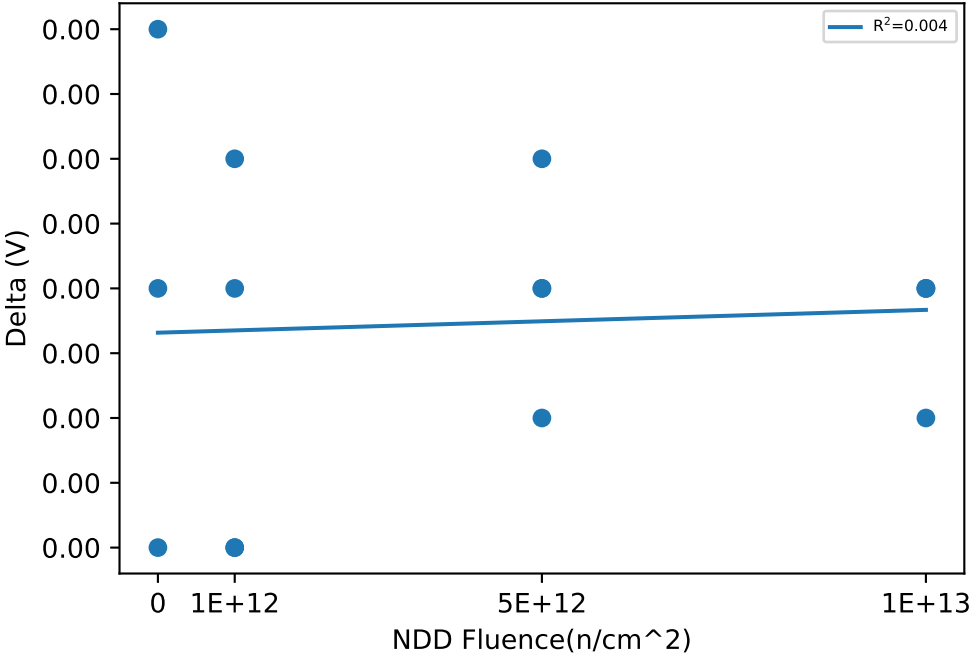
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2095	0.2097	0.0002
314	1e+12	NDD Unbiased	0.2052	0.2054	0.0002
315	1e+12	NDD Unbiased	0.2053	0.2057	0.0004
316	1e+12	NDD Unbiased	0.2055	0.206	0.0005
317	5e+12	NDD Unbiased	0.2082	0.2085	0.0003
318	5e+12	NDD Unbiased	0.208	0.2085	0.0005
320	5e+12	NDD Unbiased	0.2082	0.2086	0.0004
321	5e+12	NDD Unbiased	0.2035	0.2039	0.0004
322	1e+13	NDD Unbiased	0.2076	0.2079	0.0003
323	1e+13	NDD Unbiased	0.2056	0.206	0.0004
324	1e+13	NDD Unbiased	0.205	0.2054	0.0004
325	1e+13	NDD Unbiased	0.205	0.2054	0.0004
326	0	Correlation	0.205	0.2052	0.0002
327	0	Correlation	0.2048	0.2052	0.0004
328	0	Correlation	0.2042	0.2048	0.0006

NDD vs Post - Pre Exposure Delta

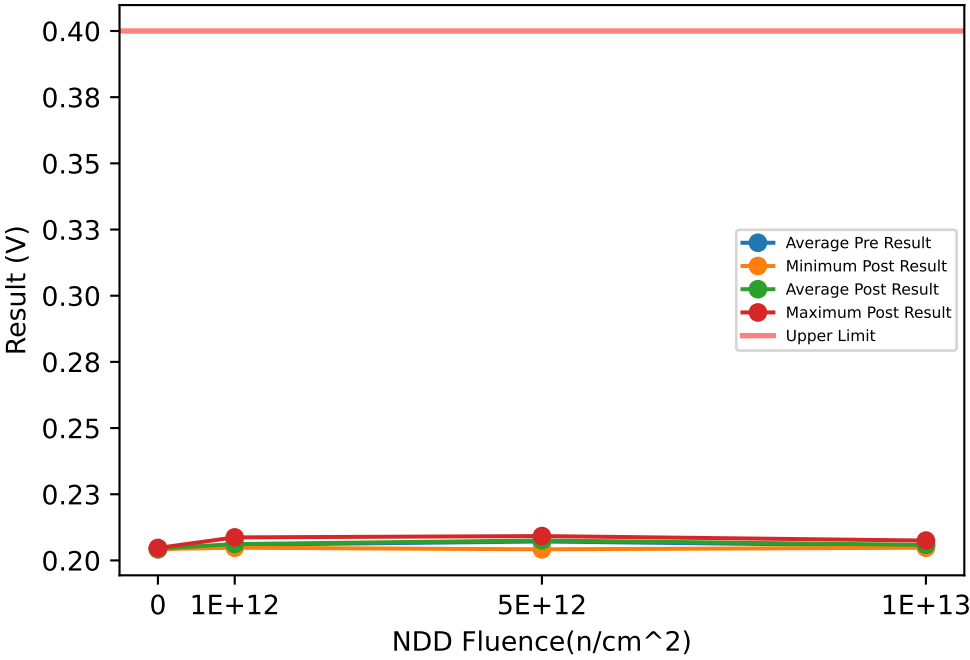


Test Statistics (V)

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	0.2042	0.20467	0.205	0.00041633	0.2048	0.20507	0.2052	0.00023094	0.0002	0.0004	0.0006	0.0002
1e+12	0.2052	0.20638	0.2095	0.0020871	0.2054	0.2067	0.2097	0.0020149	0.0002	0.000325	0.0005	0.00015
5e+12	0.2035	0.20697	0.2082	0.0023186	0.2039	0.20738	0.2086	0.0023171	0.0003	0.0004	0.0005	8.165e-05
1e+13	0.205	0.2058	0.2076	0.0012329	0.2054	0.20617	0.2079	0.0011843	0.0003	0.000375	0.0004	5e-05

Device Test: 6.85; VOL_RESET_2MA_OD

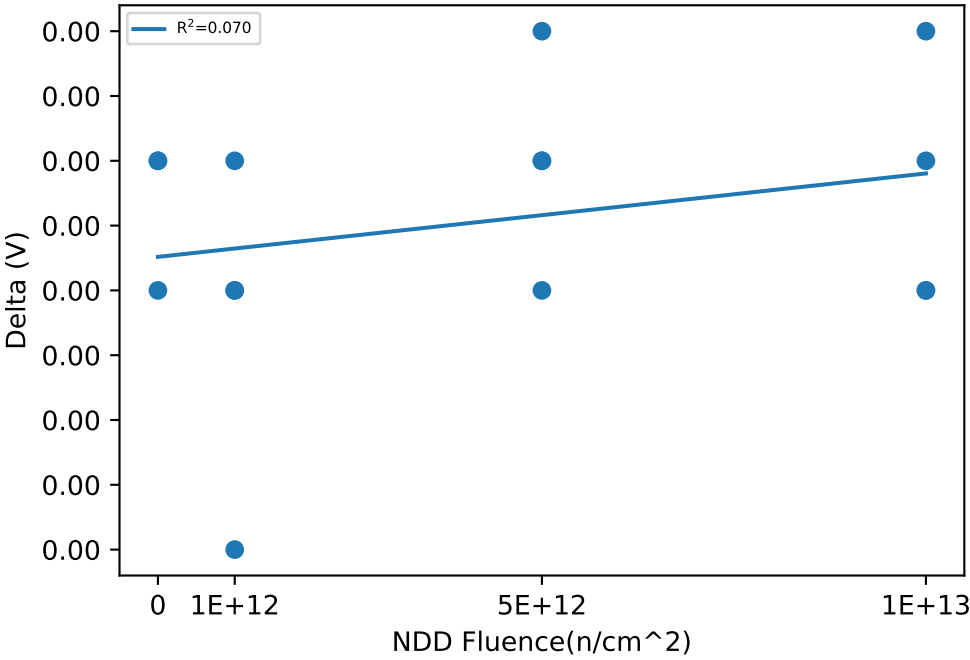
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.2086	0.2087	0.0001
314	1e+12	NDD Unbiased	0.2048	0.2051	0.0003
315	1e+12	NDD Unbiased	0.2045	0.2048	0.0003
316	1e+12	NDD Unbiased	0.2057	0.2061	0.0004
317	5e+12	NDD Unbiased	0.208	0.2083	0.0003
318	5e+12	NDD Unbiased	0.208	0.2085	0.0005
320	5e+12	NDD Unbiased	0.2088	0.2092	0.0004
321	5e+12	NDD Unbiased	0.2038	0.2042	0.0004
322	1e+13	NDD Unbiased	0.2072	0.2075	0.0003
323	1e+13	NDD Unbiased	0.2056	0.2059	0.0003
324	1e+13	NDD Unbiased	0.2048	0.2053	0.0005
325	1e+13	NDD Unbiased	0.2044	0.2048	0.0004
326	0	Correlation	0.2042	0.2046	0.0004
327	0	Correlation	0.204	0.2043	0.0003
328	0	Correlation	0.2043	0.2047	0.0004

NDD vs Post - Pre Exposure Delta

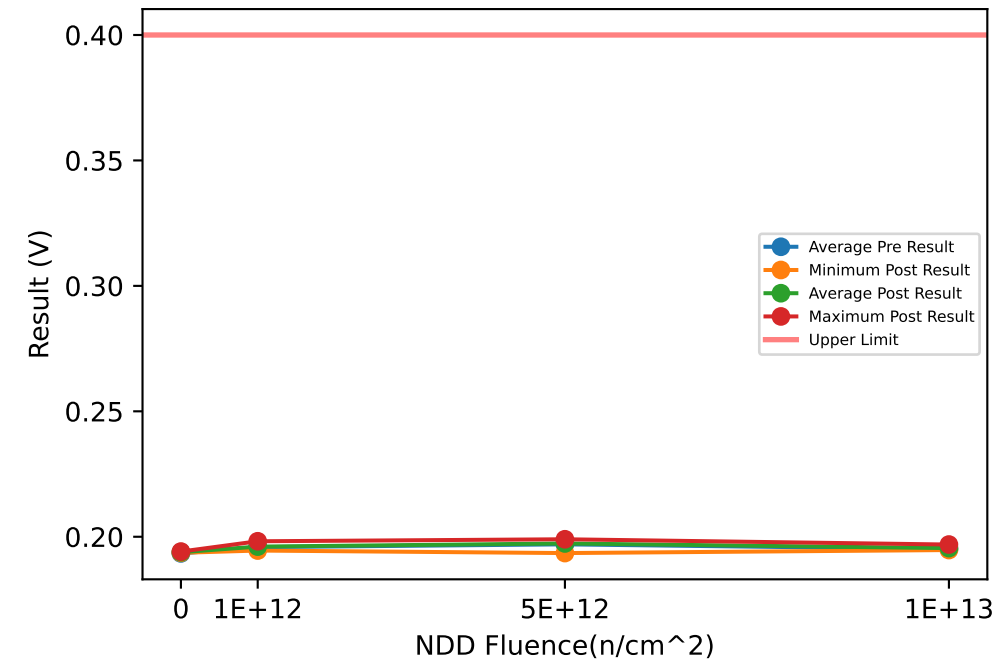


Test Statistics (V)

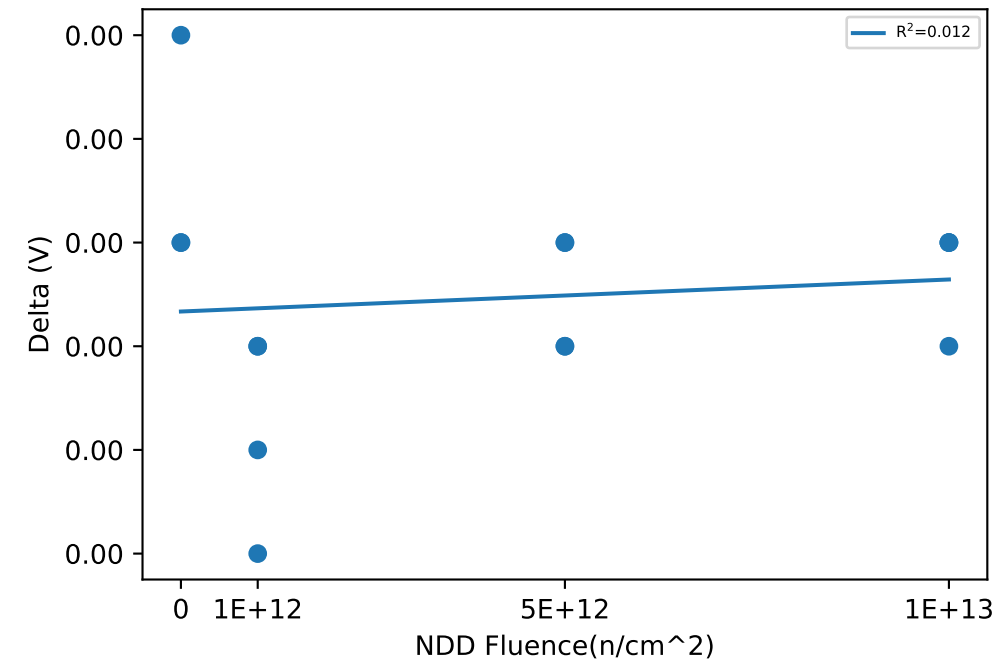
Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.204	0.20417	0.2043	0.00015275	0.2043	0.20453	0.2047	0.00020817	0.0003	0.00036667	0.0004	5.7735e-05
1e+12	0.2045	0.2059	0.2086	0.0018708	0.2048	0.20617	0.2087	0.0017727	0.0001	0.000275	0.0004	0.00012583
5e+12	0.2038	0.20715	0.2088	0.002265	0.2042	0.20755	0.2092	0.0022664	0.0003	0.0004	0.0005	8.165e-05
1e+13	0.2044	0.2055	0.2072	0.0012383	0.2048	0.20588	0.2075	0.001173	0.0003	0.000375	0.0005	9.5743e-05

Device Test: 6.86; VOL_WDO_2MA_OD

NDD vs Result Stats



NDD vs Post - Pre Exposure Delta



Test Results (Upper Limit = 0.4 (V))

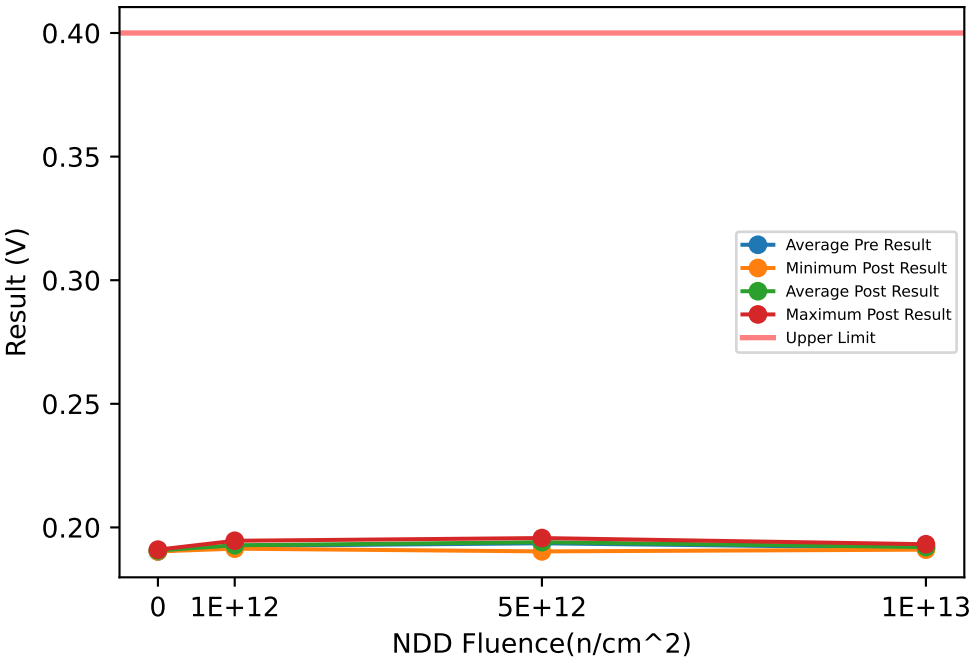
Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.198	0.1982	0.0002
314	1e+12	NDD Unbiased	0.1951	0.1952	0.0001
315	1e+12	NDD Unbiased	0.1942	0.1945	0.0003
316	1e+12	NDD Unbiased	0.1961	0.1964	0.0003
317	5e+12	NDD Unbiased	0.1975	0.1979	0.0004
318	5e+12	NDD Unbiased	0.1985	0.1989	0.0004
320	5e+12	NDD Unbiased	0.1987	0.199	0.0003
321	5e+12	NDD Unbiased	0.1932	0.1935	0.0003
322	1e+13	NDD Unbiased	0.1965	0.1969	0.0004
323	1e+13	NDD Unbiased	0.1951	0.1954	0.0003
324	1e+13	NDD Unbiased	0.1945	0.1949	0.0004
325	1e+13	NDD Unbiased	0.1943	0.1947	0.0004
326	0	Correlation	0.1932	0.1936	0.0004
327	0	Correlation	0.1937	0.1941	0.0004
328	0	Correlation	0.1932	0.1938	0.0006

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	0.1932	0.19337	0.1937	0.00028868	0.1936	0.19383	0.1941	0.00025166	0.0004	0.00046667	0.0006	0.00011547
1e+12	0.1942	0.19585	0.198	0.0016299	0.1945	0.19607	0.1982	0.0016194	0.0001	0.000225	0.0003	9.5743e-05
5e+12	0.1932	0.19698	0.1987	0.0025708	0.1935	0.19733	0.199	0.0025979	0.0003	0.00035	0.0004	5.7735e-05
1e+13	0.1943	0.1951	0.1965	0.00099331	0.1947	0.19548	0.1969	0.00099457	0.0003	0.000375	0.0004	5e-05

Device Test: 6.87; VOL_PWRGD_2MA_OD

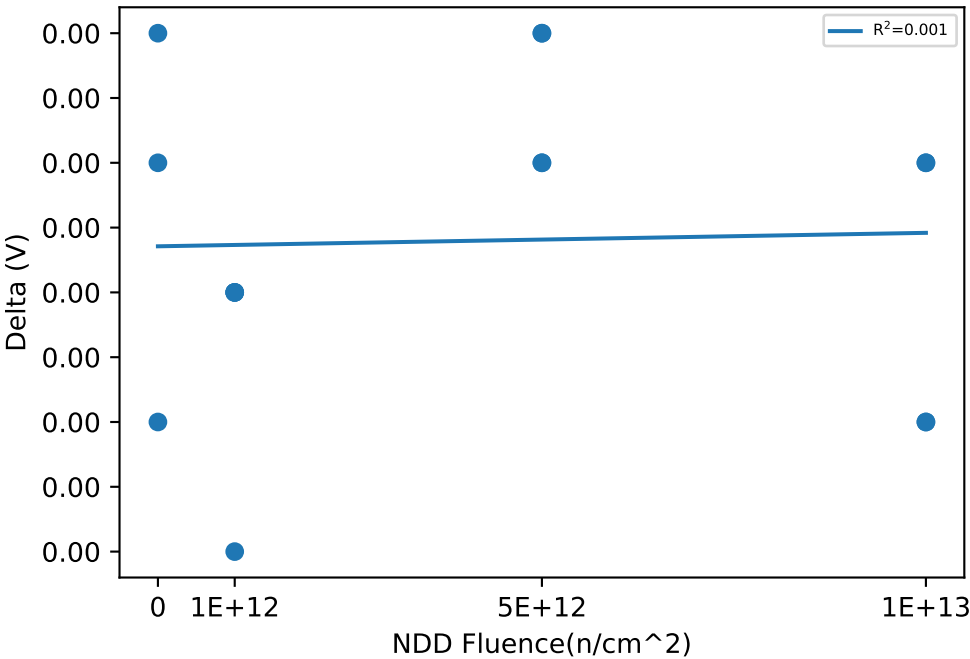
NDD vs Result Stats



Test Results (Upper Limit = 0.4 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.1945	0.1946	0.0001
314	1e+12	NDD Unbiased	0.192	0.1923	0.0003
315	1e+12	NDD Unbiased	0.1911	0.1914	0.0003
316	1e+12	NDD Unbiased	0.1925	0.1928	0.0003
317	5e+12	NDD Unbiased	0.1942	0.1946	0.0004
318	5e+12	NDD Unbiased	0.1953	0.1957	0.0004
320	5e+12	NDD Unbiased	0.195	0.1955	0.0005
321	5e+12	NDD Unbiased	0.1898	0.1903	0.0005
322	1e+13	NDD Unbiased	0.193	0.1932	0.0002
323	1e+13	NDD Unbiased	0.1921	0.1925	0.0004
324	1e+13	NDD Unbiased	0.1913	0.1915	0.0002
325	1e+13	NDD Unbiased	0.1906	0.191	0.0004
326	0	Correlation	0.1905	0.1907	0.0002
327	0	Correlation	0.1906	0.191	0.0004
328	0	Correlation	0.1898	0.1903	0.0005

NDD vs Post - Pre Exposure Delta

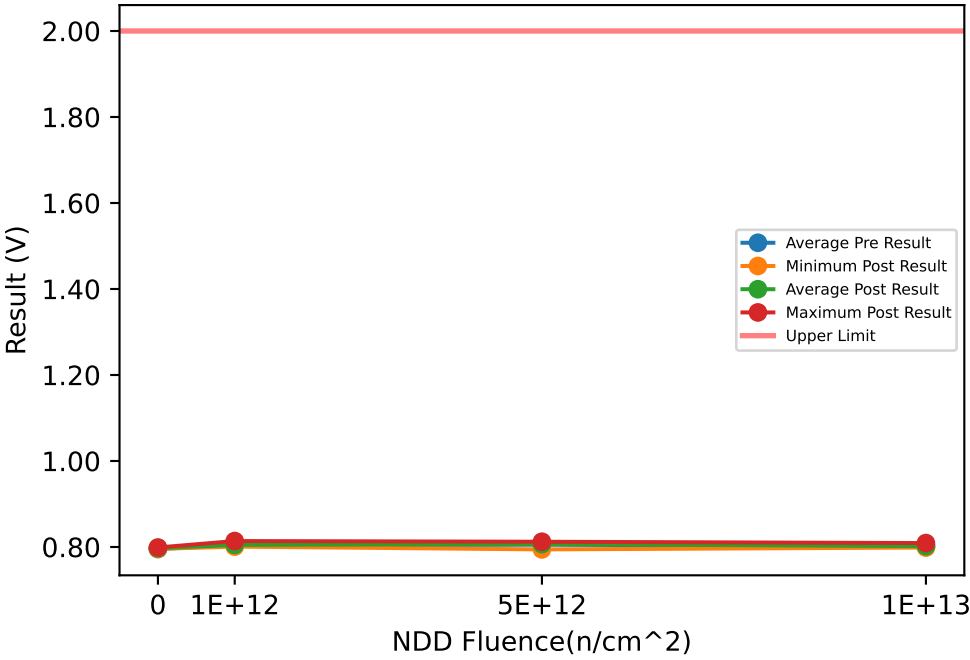


Test Statistics (V)

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	0.1898	0.1903	0.1906	0.00043589	0.1903	0.19067	0.191	0.00035119	0.0002	0.00036667	0.0005	0.00015275
1e+12	0.1911	0.19253	0.1945	0.0014385	0.1914	0.19278	0.1946	0.0013475	0.0001	0.00025	0.0003	0.0001
5e+12	0.1898	0.19357	0.1953	0.0025591	0.1903	0.19403	0.1957	0.002529	0.0004	0.00045	0.0005	5.7735e-05
1e+13	0.1906	0.19175	0.193	0.0010344	0.191	0.19205	0.1932	0.00098826	0.0002	0.0003	0.0004	0.00011547

Device Test: 6.88; VOL_RESET_10MA_OD

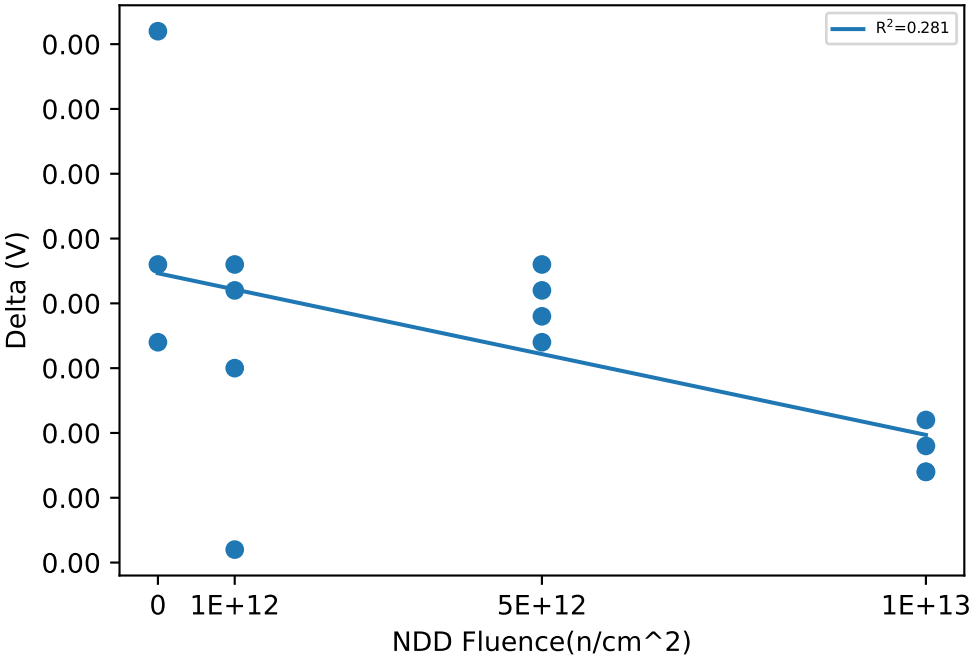
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8135	0.8138	0.0003
314	1e+12	NDD Unbiased	0.8	0.801	0.001
315	1e+12	NDD Unbiased	0.7996	0.8009	0.0013
316	1e+12	NDD Unbiased	0.8028	0.8042	0.0014
317	5e+12	NDD Unbiased	0.8109	0.8122	0.0013
318	5e+12	NDD Unbiased	0.8088	0.8102	0.0014
320	5e+12	NDD Unbiased	0.8089	0.81	0.0011
321	5e+12	NDD Unbiased	0.7932	0.7944	0.0012
322	1e+13	NDD Unbiased	0.8085	0.8091	0.0006
323	1e+13	NDD Unbiased	0.8001	0.8008	0.0007
324	1e+13	NDD Unbiased	0.7981	0.7987	0.0006
325	1e+13	NDD Unbiased	0.7982	0.799	0.0008
326	0	Correlation	0.7958	0.7969	0.0011
327	0	Correlation	0.7941	0.7955	0.0014
328	0	Correlation	0.7965	0.7988	0.0023

NDD vs Post - Pre Exposure Delta

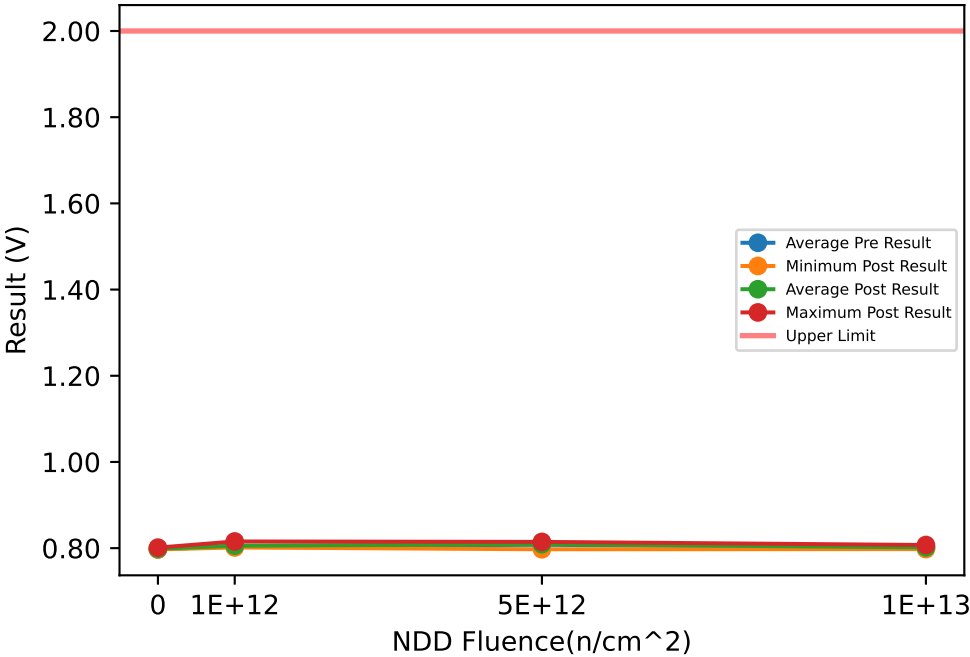


Test Statistics (V)

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	0.7941	0.79547	0.7965	0.0012342	0.7955	0.79707	0.7988	0.0016563	0.0011	0.0016	0.0023	0.0006245
1e+12	0.7996	0.80397	0.8135	0.0065076	0.8009	0.80497	0.8138	0.0060797	0.0003	0.001	0.0014	0.00049666
5e+12	0.7932	0.80545	0.8109	0.0082237	0.7944	0.8067	0.8122	0.0082599	0.0011	0.00125	0.0014	0.0001291
1e+13	0.7981	0.80123	0.8085	0.0049365	0.7987	0.8019	0.8091	0.0048888	0.0006	0.000675	0.0008	9.5743e-05

Device Test: 6.89; VOL_RESET_10MA_OD

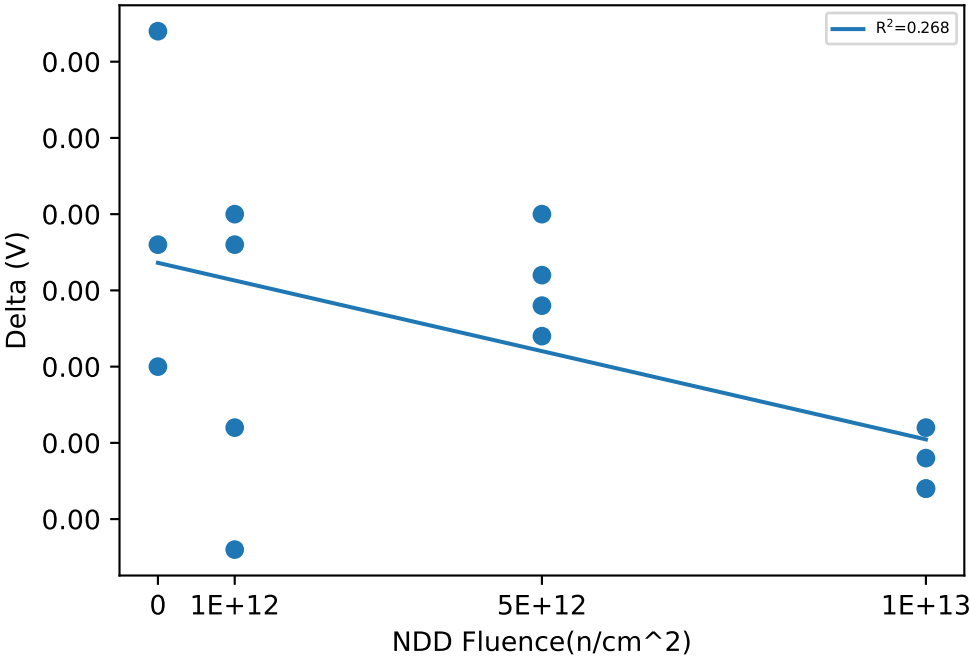
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8151	0.8155	0.0004
314	1e+12	NDD Unbiased	0.801	0.8018	0.0008
315	1e+12	NDD Unbiased	0.8002	0.8016	0.0014
316	1e+12	NDD Unbiased	0.8023	0.8038	0.0015
317	5e+12	NDD Unbiased	0.8132	0.8145	0.0013
318	5e+12	NDD Unbiased	0.8103	0.8118	0.0015
320	5e+12	NDD Unbiased	0.8118	0.813	0.0012
321	5e+12	NDD Unbiased	0.7963	0.7974	0.0011
322	1e+13	NDD Unbiased	0.8067	0.8073	0.0006
323	1e+13	NDD Unbiased	0.8005	0.8013	0.0008
324	1e+13	NDD Unbiased	0.7999	0.8005	0.0006
325	1e+13	NDD Unbiased	0.7971	0.7978	0.0007
326	0	Correlation	0.7961	0.7971	0.001
327	0	Correlation	0.7998	0.8012	0.0014
328	0	Correlation	0.7957	0.7978	0.0021

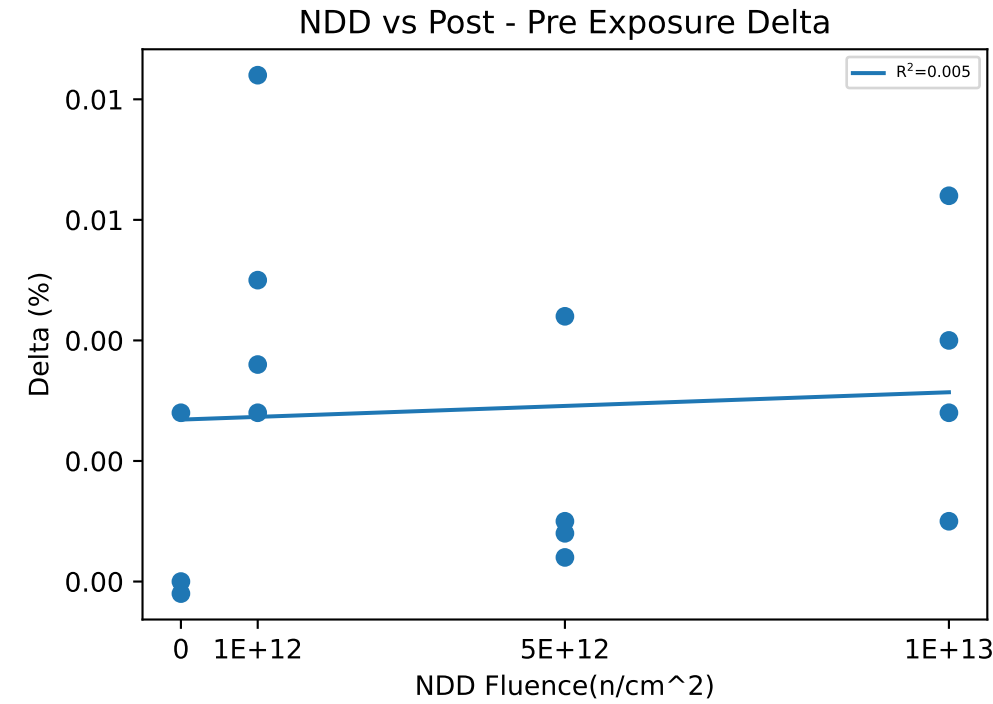
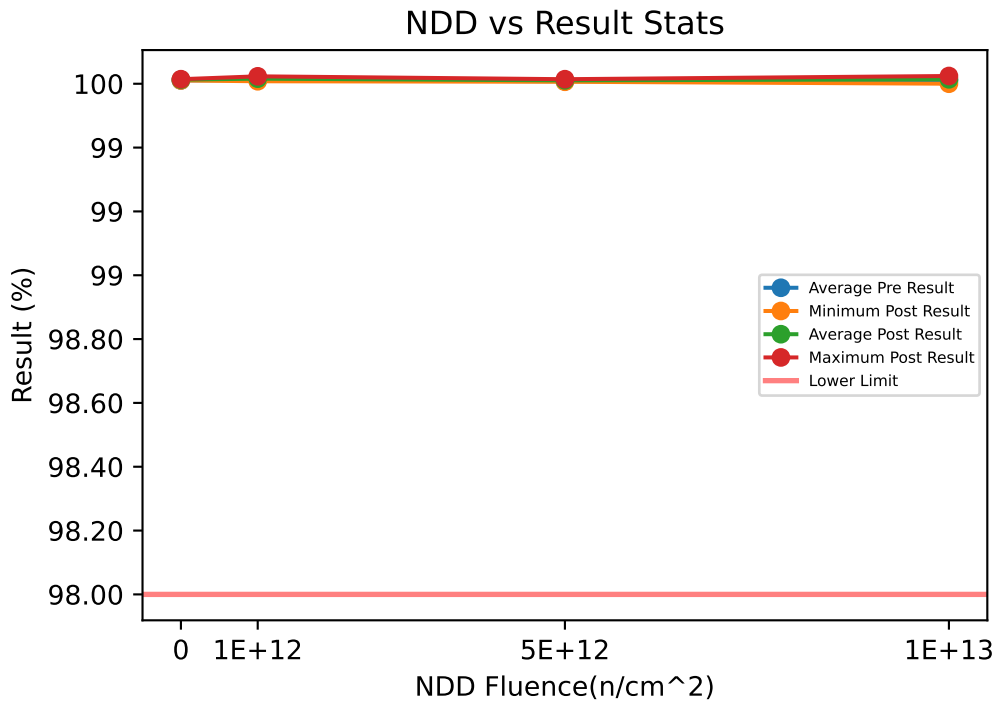
NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7957	0.7972	0.7998	0.0022605	0.7971	0.7987	0.8012	0.0021932	0.001	0.0015	0.0021	0.00055678
1e+12	0.8002	0.80465	0.8151	0.0070202	0.8016	0.80567	0.8155	0.0066249	0.0004	0.001025	0.0015	0.00051881
5e+12	0.7963	0.8079	0.8132	0.0078235	0.7974	0.80917	0.8145	0.0079273	0.0011	0.001275	0.0015	0.00017078
1e+13	0.7971	0.80105	0.8067	0.0040476	0.7978	0.80173	0.8073	0.004007	0.0006	0.000675	0.0008	9.5743e-05

Device Test: 6.9; VLDO_DO



Test Results (Lower Limit = 98.0 (%))

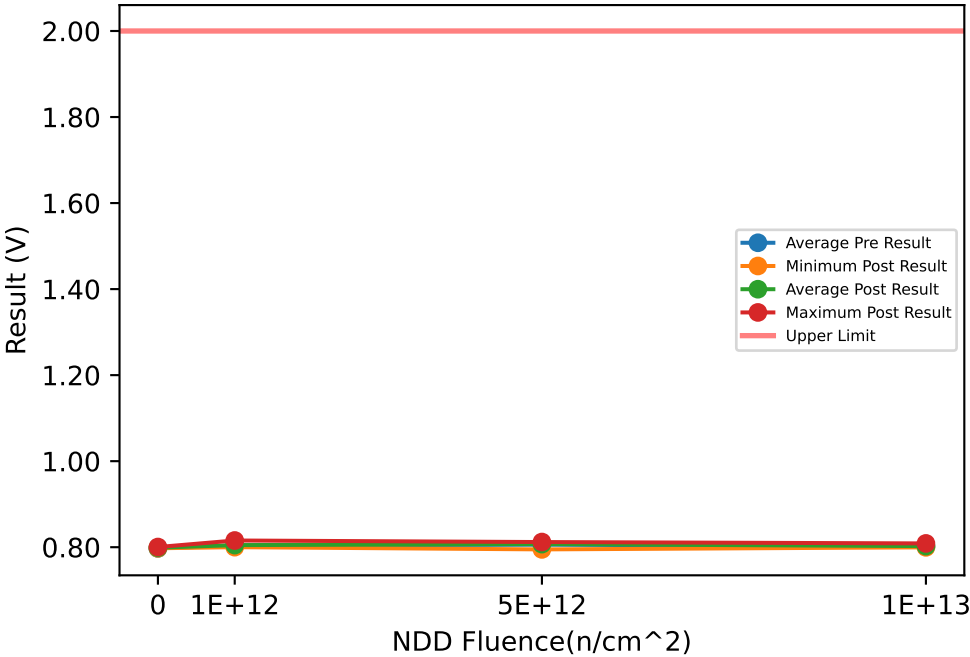
Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	99.612	99.617	0.0045
314	1e+12	NDD Unbiased	99.612	99.616	0.0034
315	1e+12	NDD Unbiased	99.602	99.608	0.0062
316	1e+12	NDD Unbiased	99.62	99.623	0.0038
317	5e+12	NDD Unbiased	99.612	99.614	0.0025
318	5e+12	NDD Unbiased	99.607	99.609	0.0024
320	5e+12	NDD Unbiased	99.611	99.613	0.0022
321	5e+12	NDD Unbiased	99.602	99.606	0.0042
322	1e+13	NDD Unbiased	99.614	99.618	0.0034
323	1e+13	NDD Unbiased	99.609	99.614	0.0052
324	1e+13	NDD Unbiased	99.62	99.624	0.004
325	1e+13	NDD Unbiased	99.598	99.6	0.0025
326	0	Correlation	99.607	99.61	0.0034
327	0	Correlation	99.612	99.614	0.0019
328	0	Correlation	99.612	99.614	0.002

Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.607	99.61	99.612	0.0030039	99.61	99.613	99.614	0.0021703	0.0019	0.0024333	0.0034	0.00083865
1e+12	99.602	99.612	99.62	0.0073896	99.608	99.616	99.623	0.00636	0.0034	0.004475	0.0062	0.0012366
5e+12	99.602	99.608	99.612	0.0043871	99.606	99.611	99.614	0.0036124	0.0022	0.002825	0.0042	0.00092511
1e+13	99.598	99.61	99.62	0.0096355	99.6	99.614	99.624	0.010191	0.0025	0.003775	0.0052	0.0011325

Device Test: 6.90; VOL_RESET_10MA_OD

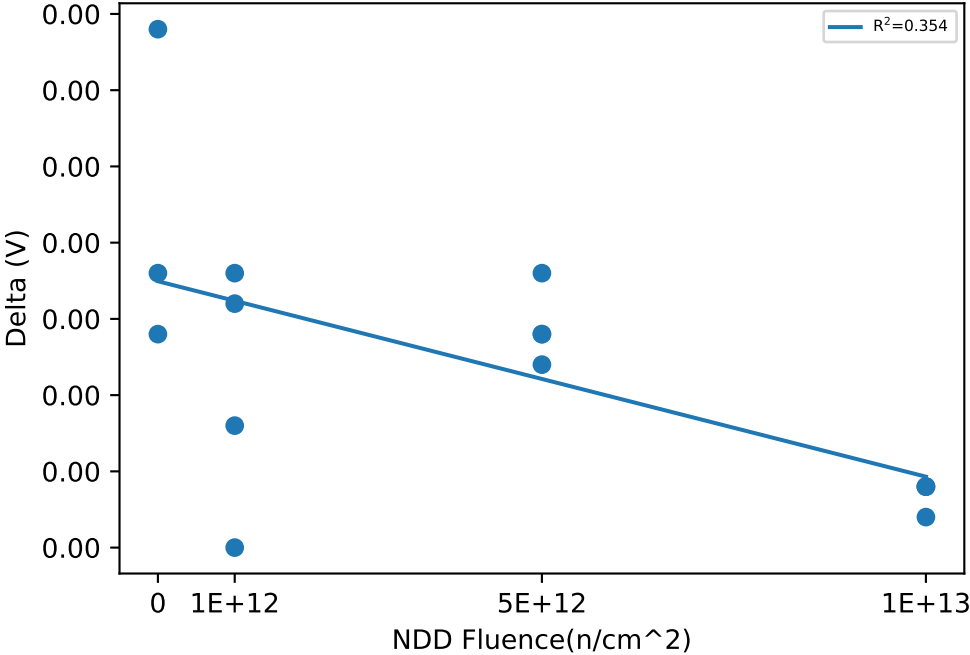
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8151	0.8156	0.0005
314	1e+12	NDD Unbiased	0.7992	0.8001	0.0009
315	1e+12	NDD Unbiased	0.8001	0.8014	0.0013
316	1e+12	NDD Unbiased	0.801	0.8024	0.0014
317	5e+12	NDD Unbiased	0.8098	0.811	0.0012
318	5e+12	NDD Unbiased	0.8106	0.812	0.0014
320	5e+12	NDD Unbiased	0.8098	0.8109	0.0011
321	5e+12	NDD Unbiased	0.7937	0.7949	0.0012
322	1e+13	NDD Unbiased	0.8081	0.8088	0.0007
323	1e+13	NDD Unbiased	0.8006	0.8013	0.0007
324	1e+13	NDD Unbiased	0.7997	0.8003	0.0006
325	1e+13	NDD Unbiased	0.799	0.7997	0.0007
326	0	Correlation	0.7992	0.8004	0.0012
327	0	Correlation	0.7972	0.7986	0.0014
328	0	Correlation	0.7953	0.7975	0.0022

NDD vs Post - Pre Exposure Delta

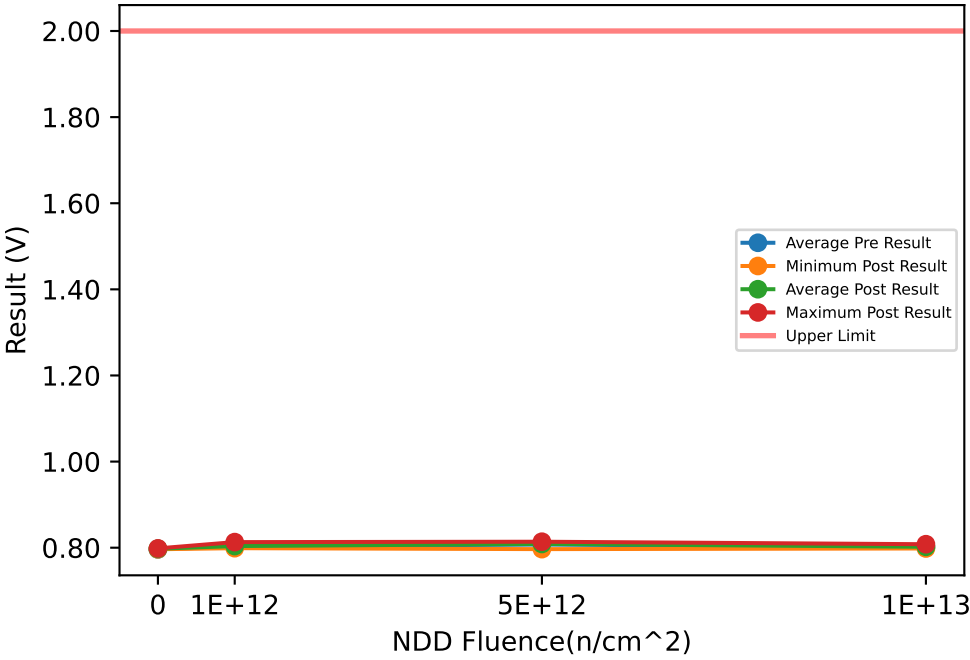


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7953	0.79723	0.7992	0.0019502	0.7975	0.79883	0.8004	0.001464	0.0012	0.0016	0.0022	0.00052915
1e+12	0.7992	0.80385	0.8151	0.0075359	0.8001	0.80488	0.8156	0.0072117	0.0005	0.001025	0.0014	0.0004113
5e+12	0.7937	0.80597	0.8106	0.008192	0.7949	0.8072	0.812	0.008215	0.0011	0.001225	0.0014	0.00012583
1e+13	0.799	0.80185	0.8081	0.0042178	0.7997	0.80252	0.8088	0.0042351	0.0006	0.000675	0.0007	5e-05

Device Test: 6.91; VOL_RESET_10MA_OD

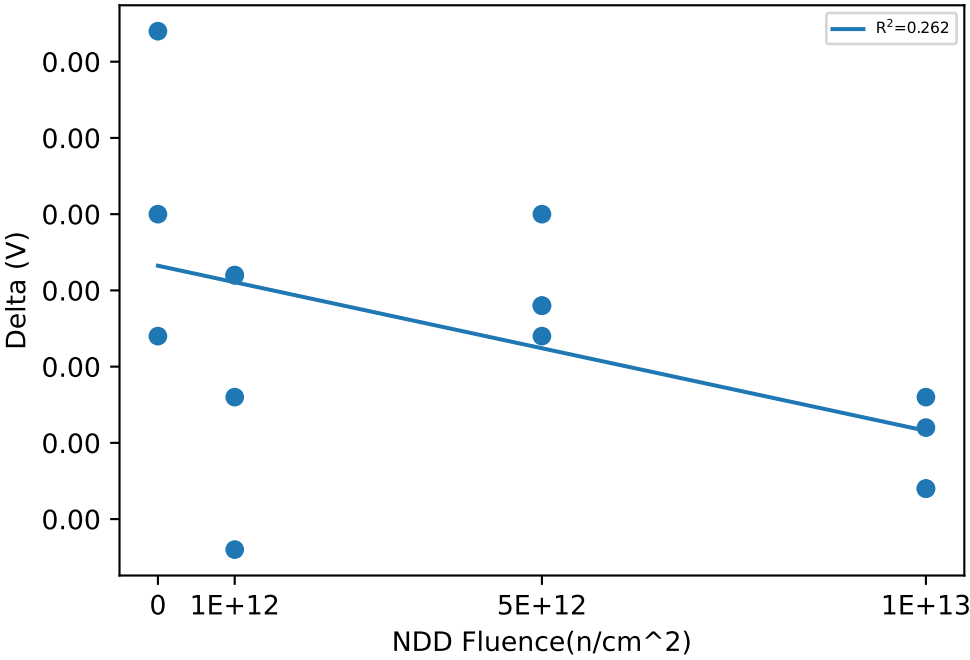
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.8126	0.813	0.0004
314	1e+12	NDD Unbiased	0.7987	0.7996	0.0009
315	1e+12	NDD Unbiased	0.7976	0.7989	0.0013
316	1e+12	NDD Unbiased	0.8024	0.8037	0.0013
317	5e+12	NDD Unbiased	0.81	0.8112	0.0012
318	5e+12	NDD Unbiased	0.8115	0.813	0.0015
320	5e+12	NDD Unbiased	0.8128	0.8139	0.0011
321	5e+12	NDD Unbiased	0.7955	0.7967	0.0012
322	1e+13	NDD Unbiased	0.8075	0.8081	0.0006
323	1e+13	NDD Unbiased	0.8013	0.8021	0.0008
324	1e+13	NDD Unbiased	0.7995	0.8001	0.0006
325	1e+13	NDD Unbiased	0.7973	0.7982	0.0009
326	0	Correlation	0.7973	0.7984	0.0011
327	0	Correlation	0.7949	0.7964	0.0015
328	0	Correlation	0.796	0.7981	0.0021

NDD vs Post - Pre Exposure Delta

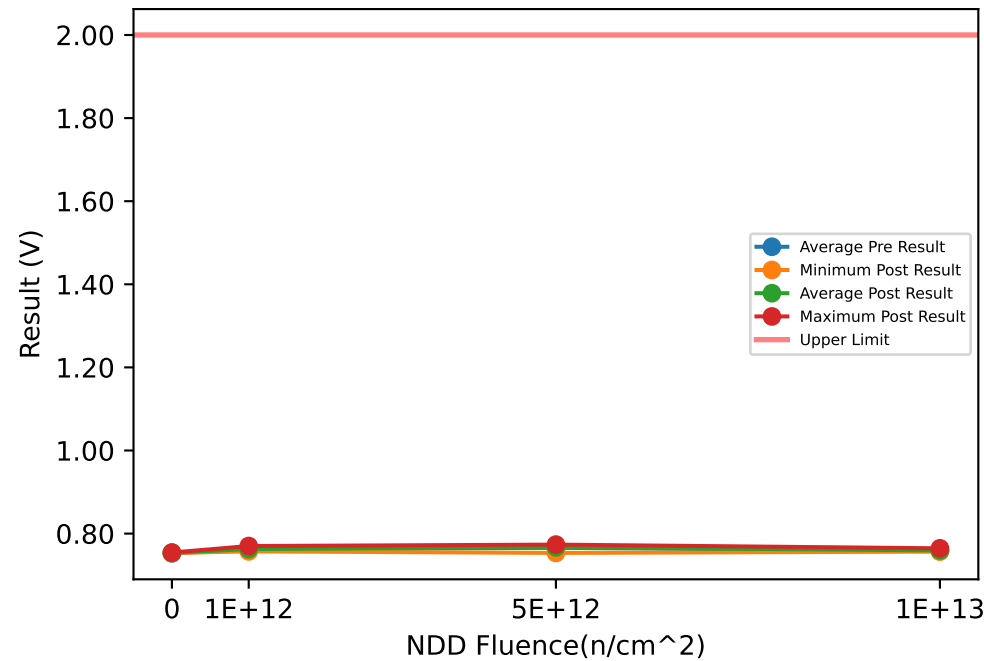


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7949	0.79607	0.7973	0.0012014	0.7964	0.79763	0.7984	0.0010786	0.0011	0.0015667	0.0021	0.00050332
1e+12	0.7976	0.80283	0.8126	0.0068325	0.7989	0.8038	0.813	0.0064885	0.0004	0.000975	0.0013	0.0004272
5e+12	0.7955	0.80745	0.8128	0.0080484	0.7967	0.8087	0.8139	0.0080784	0.0011	0.00125	0.0015	0.00017321
1e+13	0.7973	0.8014	0.8075	0.0043833	0.7982	0.80212	0.8081	0.0042898	0.0006	0.000725	0.0009	0.00015

Device Test: 6.92; VOL_WDO_10MA_OD

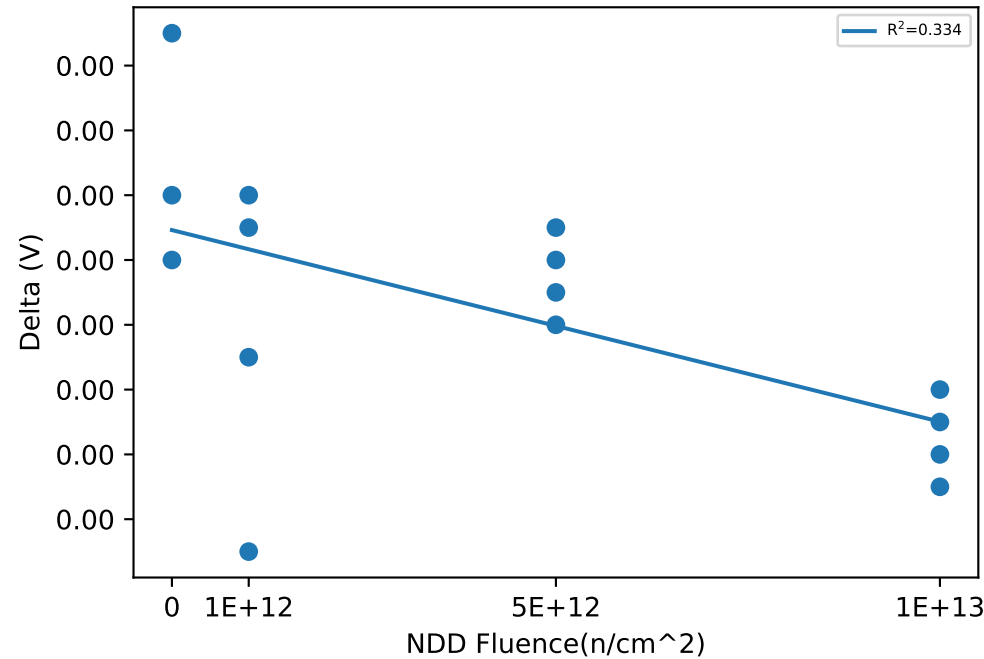
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7698	0.7701	0.0003
314	1e+12	NDD Unbiased	0.7587	0.7596	0.0009
315	1e+12	NDD Unbiased	0.7559	0.7572	0.0013
316	1e+12	NDD Unbiased	0.7628	0.7642	0.0014
317	5e+12	NDD Unbiased	0.7676	0.7687	0.0011
318	5e+12	NDD Unbiased	0.7722	0.7735	0.0013
320	5e+12	NDD Unbiased	0.7712	0.7722	0.001
321	5e+12	NDD Unbiased	0.7523	0.7535	0.0012
322	1e+13	NDD Unbiased	0.764	0.7646	0.0006
323	1e+13	NDD Unbiased	0.7581	0.7588	0.0007
324	1e+13	NDD Unbiased	0.7574	0.7579	0.0005
325	1e+13	NDD Unbiased	0.7558	0.7566	0.0008
326	0	Correlation	0.7527	0.7539	0.0012
327	0	Correlation	0.753	0.7544	0.0014
328	0	Correlation	0.7513	0.7532	0.0019

NDD vs Post - Pre Exposure Delta

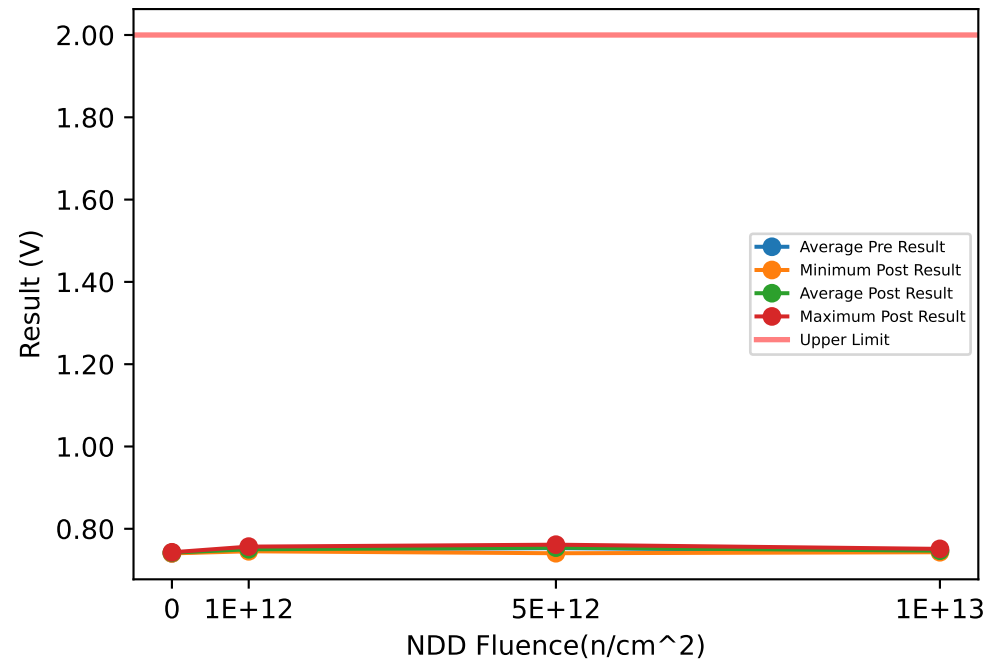


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7513	0.75233	0.753	0.00090738	0.7532	0.75383	0.7544	0.00060277	0.0012	0.0015	0.0019	0.00036056
1e+12	0.7559	0.7618	0.7698	0.0060393	0.7572	0.76277	0.7701	0.0056818	0.0003	0.000975	0.0014	0.00049917
5e+12	0.7523	0.76582	0.7722	0.0092305	0.7535	0.76697	0.7735	0.0092092	0.001	0.00115	0.0013	0.0001291
1e+13	0.7558	0.75882	0.764	0.0035818	0.7566	0.75948	0.7646	0.003534	0.0005	0.00065	0.0008	0.0001291

Device Test: 6.93; VOL_PWRGD_10MA_OD

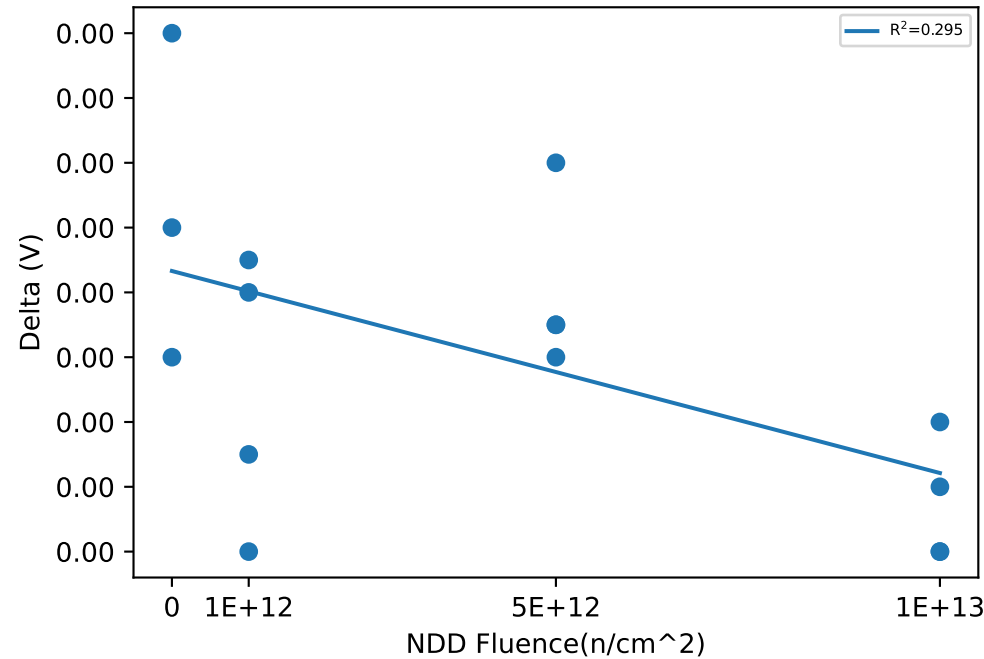
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7563	0.7567	0.0004
314	1e+12	NDD Unbiased	0.7472	0.7479	0.0007
315	1e+12	NDD Unbiased	0.7441	0.7453	0.0012
316	1e+12	NDD Unbiased	0.7494	0.7507	0.0013
317	5e+12	NDD Unbiased	0.7549	0.756	0.0011
318	5e+12	NDD Unbiased	0.7598	0.7614	0.0016
320	5e+12	NDD Unbiased	0.7579	0.7589	0.001
321	5e+12	NDD Unbiased	0.7395	0.7406	0.0011
322	1e+13	NDD Unbiased	0.7508	0.7512	0.0004
323	1e+13	NDD Unbiased	0.7468	0.7474	0.0006
324	1e+13	NDD Unbiased	0.745	0.7454	0.0004
325	1e+13	NDD Unbiased	0.7422	0.743	0.0008
326	0	Correlation	0.7419	0.7429	0.001
327	0	Correlation	0.7413	0.7427	0.0014
328	0	Correlation	0.7382	0.7402	0.002

NDD vs Post - Pre Exposure Delta

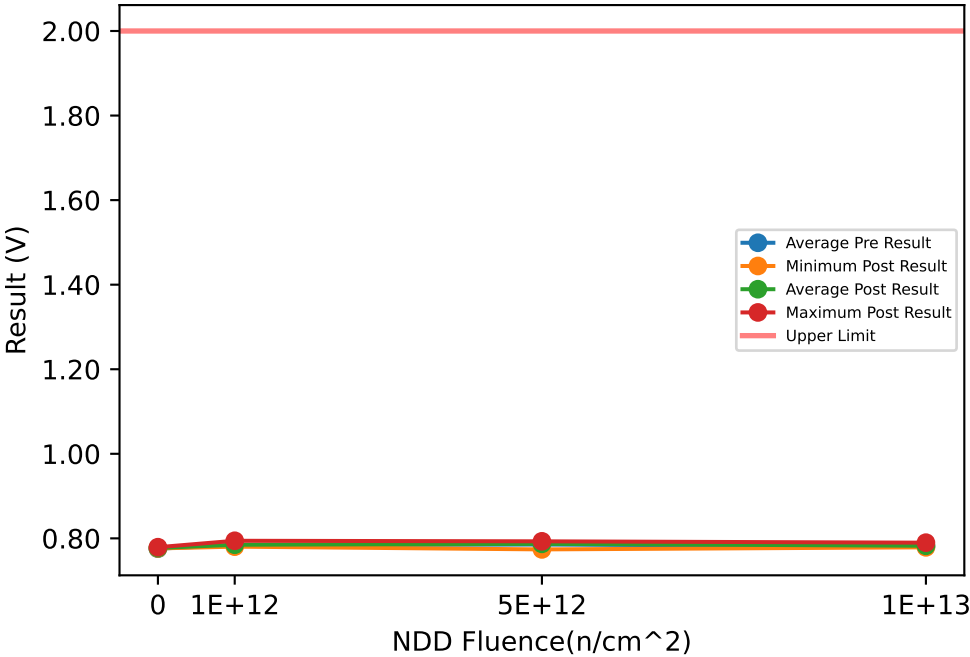


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7382	0.74047	0.7419	0.0019858	0.7402	0.74193	0.7429	0.0015044	0.001	0.0014667	0.002	0.00050332
1e+12	0.7441	0.74925	0.7563	0.0051785	0.7453	0.75015	0.7567	0.0048918	0.0004	0.0009	0.0013	0.00042426
5e+12	0.7395	0.75303	0.7598	0.0092395	0.7406	0.75423	0.7614	0.0093475	0.001	0.0012	0.0016	0.0002708
1e+13	0.7422	0.7462	0.7508	0.0036037	0.743	0.74675	0.7512	0.0034694	0.0004	0.00055	0.0008	0.00019149

Device Test: 6.94; VOL_RESET_10MA_OD

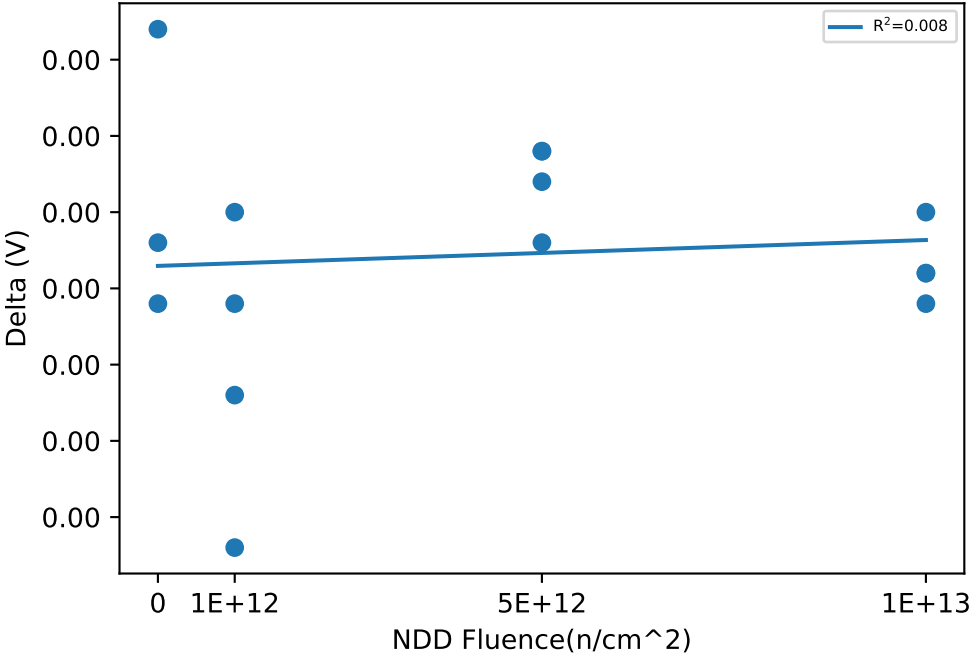
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7939	0.7943	0.0004
314	1e+12	NDD Unbiased	0.7801	0.781	0.0009
315	1e+12	NDD Unbiased	0.7792	0.7804	0.0012
316	1e+12	NDD Unbiased	0.7825	0.784	0.0015
317	5e+12	NDD Unbiased	0.7913	0.793	0.0017
318	5e+12	NDD Unbiased	0.7882	0.7899	0.0017
320	5e+12	NDD Unbiased	0.7898	0.7914	0.0016
321	5e+12	NDD Unbiased	0.7725	0.7739	0.0014
322	1e+13	NDD Unbiased	0.7886	0.7898	0.0012
323	1e+13	NDD Unbiased	0.7807	0.782	0.0013
324	1e+13	NDD Unbiased	0.7775	0.7788	0.0013
325	1e+13	NDD Unbiased	0.7779	0.7794	0.0015
326	0	Correlation	0.7751	0.7763	0.0012
327	0	Correlation	0.7748	0.7762	0.0014
328	0	Correlation	0.777	0.7791	0.0021

NDD vs Post - Pre Exposure Delta

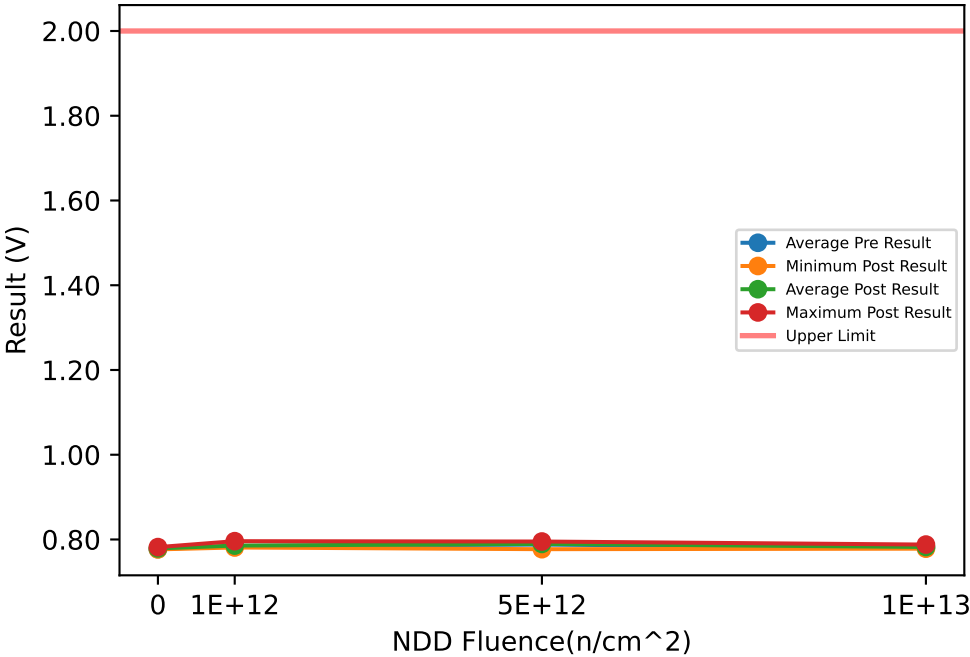


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7748	0.77563	0.777	0.001193	0.7762	0.7772	0.7791	0.0016462	0.0012	0.0015667	0.0021	0.00047258
1e+12	0.7792	0.78392	0.7939	0.0067943	0.7804	0.78492	0.7943	0.0064453	0.0004	0.001	0.0015	0.00046904
5e+12	0.7725	0.78545	0.7913	0.0087256	0.7739	0.78705	0.793	0.0088576	0.0014	0.0016	0.0017	0.00014142
1e+13	0.7775	0.78117	0.7886	0.0051506	0.7788	0.7825	0.7898	0.005061	0.0012	0.001325	0.0015	0.00012583

Device Test: 6.95; VOL_RESET_10MA_OD

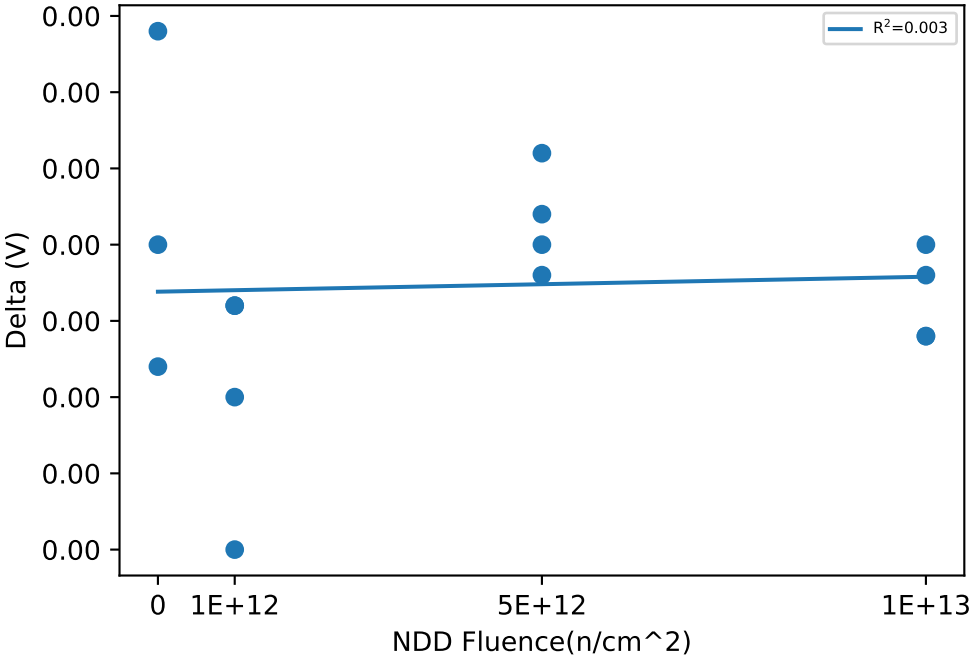
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7955	0.796	0.0005
314	1e+12	NDD Unbiased	0.781	0.782	0.001
315	1e+12	NDD Unbiased	0.7798	0.7811	0.0013
316	1e+12	NDD Unbiased	0.7821	0.7834	0.0013
317	5e+12	NDD Unbiased	0.7938	0.7952	0.0014
318	5e+12	NDD Unbiased	0.7897	0.7915	0.0018
320	5e+12	NDD Unbiased	0.7929	0.7944	0.0015
321	5e+12	NDD Unbiased	0.7755	0.7771	0.0016
322	1e+13	NDD Unbiased	0.7868	0.788	0.0012
323	1e+13	NDD Unbiased	0.7811	0.7823	0.0012
324	1e+13	NDD Unbiased	0.7792	0.7807	0.0015
325	1e+13	NDD Unbiased	0.7769	0.7783	0.0014
326	0	Correlation	0.7755	0.7766	0.0011
327	0	Correlation	0.7805	0.782	0.0015
328	0	Correlation	0.776	0.7782	0.0022

NDD vs Post - Pre Exposure Delta

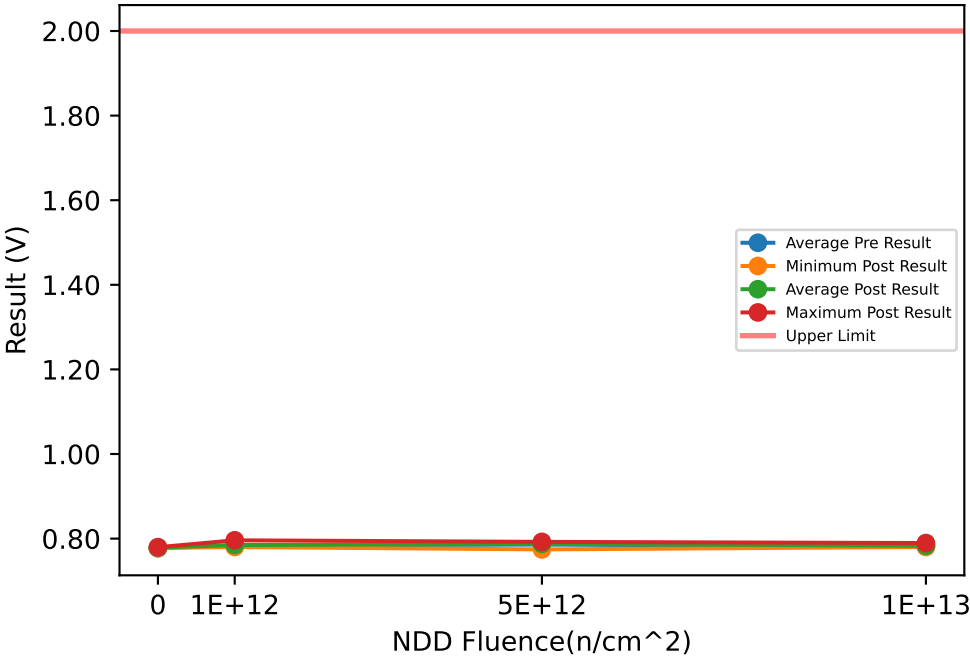


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7755	0.77733	0.7805	0.0027538	0.7766	0.77893	0.782	0.0027737	0.0011	0.0016	0.0022	0.00055678
1e+12	0.7798	0.7846	0.7955	0.0073271	0.7811	0.78563	0.796	0.0069811	0.0005	0.001025	0.0013	0.00037749
5e+12	0.7755	0.78797	0.7938	0.0085007	0.7771	0.78955	0.7952	0.0084508	0.0014	0.001575	0.0018	0.00017078
1e+13	0.7769	0.781	0.7868	0.0042308	0.7783	0.78232	0.788	0.004125	0.0012	0.001325	0.0015	0.00015

Device Test: 6.96; VOL_RESET_10MA_OD

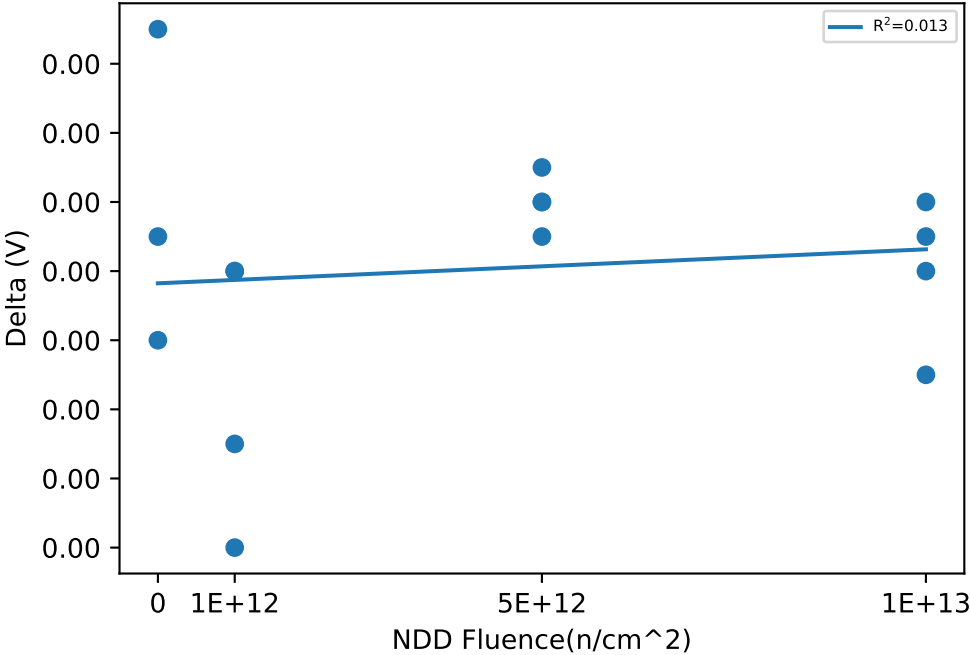
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7954	0.796	0.0006
314	1e+12	NDD Unbiased	0.7792	0.7801	0.0009
315	1e+12	NDD Unbiased	0.7796	0.781	0.0014
316	1e+12	NDD Unbiased	0.7807	0.7821	0.0014
317	5e+12	NDD Unbiased	0.7902	0.7918	0.0016
318	5e+12	NDD Unbiased	0.79	0.7917	0.0017
320	5e+12	NDD Unbiased	0.7908	0.7923	0.0015
321	5e+12	NDD Unbiased	0.7729	0.7745	0.0016
322	1e+13	NDD Unbiased	0.7884	0.7895	0.0011
323	1e+13	NDD Unbiased	0.781	0.7824	0.0014
324	1e+13	NDD Unbiased	0.7789	0.7804	0.0015
325	1e+13	NDD Unbiased	0.7786	0.7802	0.0016
326	0	Correlation	0.7785	0.7797	0.0012
327	0	Correlation	0.7778	0.7793	0.0015
328	0	Correlation	0.7757	0.7778	0.0021

NDD vs Post - Pre Exposure Delta

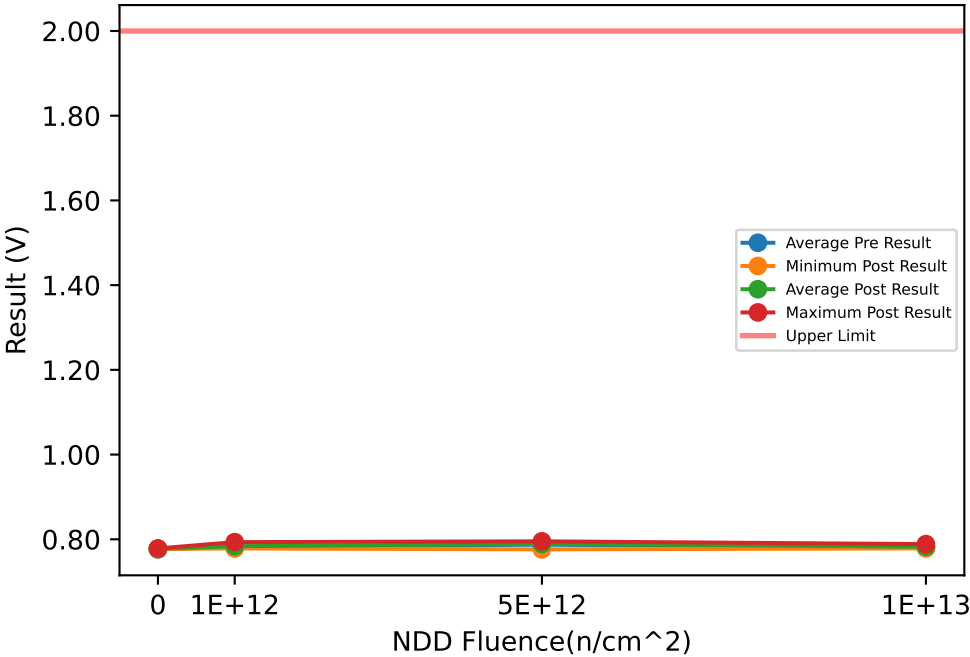


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7757	0.77733	0.7785	0.0014572	0.7778	0.77893	0.7797	0.0010017	0.0012	0.0016	0.0021	0.00045826
1e+12	0.7792	0.78373	0.7954	0.0078091	0.7801	0.7848	0.796	0.0075113	0.0006	0.001075	0.0014	0.00039476
5e+12	0.7729	0.78597	0.7908	0.0087233	0.7745	0.78757	0.7923	0.0087206	0.0015	0.0016	0.0017	8.165e-05
1e+13	0.7786	0.78173	0.7884	0.0045763	0.7802	0.78312	0.7895	0.0043645	0.0011	0.0014	0.0016	0.00021602

Device Test: 6.97; VOL_RESET_10MA_OD

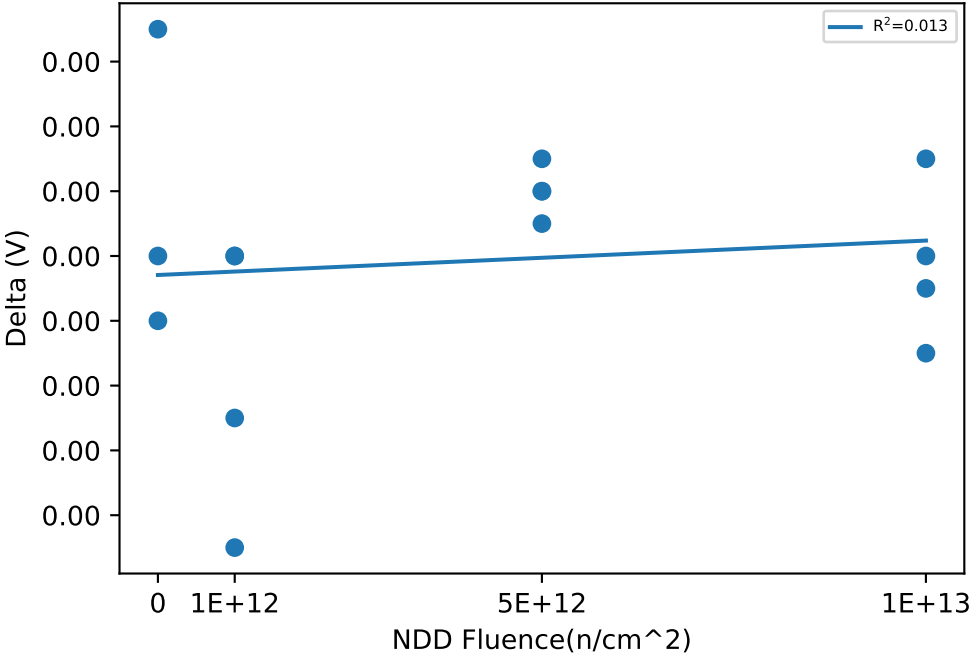
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7928	0.7933	0.0005
314	1e+12	NDD Unbiased	0.7785	0.7794	0.0009
315	1e+12	NDD Unbiased	0.777	0.7784	0.0014
316	1e+12	NDD Unbiased	0.782	0.7834	0.0014
317	5e+12	NDD Unbiased	0.7903	0.7919	0.0016
318	5e+12	NDD Unbiased	0.7907	0.7924	0.0017
320	5e+12	NDD Unbiased	0.7936	0.7952	0.0016
321	5e+12	NDD Unbiased	0.7747	0.7762	0.0015
322	1e+13	NDD Unbiased	0.7875	0.7886	0.0011
323	1e+13	NDD Unbiased	0.7817	0.783	0.0013
324	1e+13	NDD Unbiased	0.7787	0.7801	0.0014
325	1e+13	NDD Unbiased	0.7768	0.7785	0.0017
326	0	Correlation	0.7765	0.7777	0.0012
327	0	Correlation	0.7756	0.777	0.0014
328	0	Correlation	0.7763	0.7784	0.0021

NDD vs Post - Pre Exposure Delta

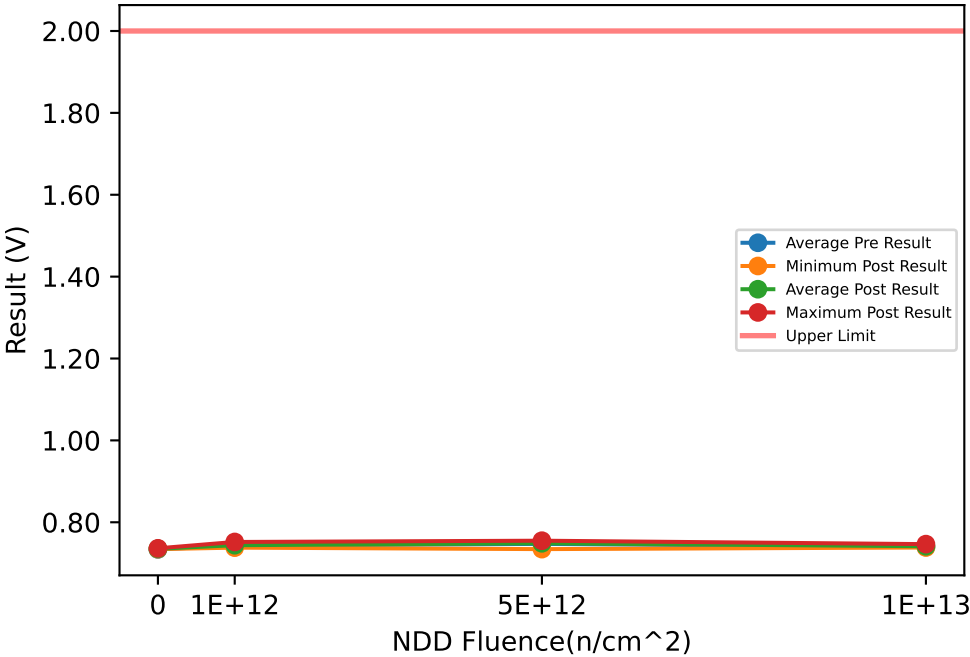


Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7756	0.77613	0.7765	0.00047258	0.777	0.7777	0.7784	0.0007	0.0012	0.0015667	0.0021	0.00047258
1e+12	0.777	0.78258	0.7928	0.0071313	0.7784	0.78363	0.7933	0.0068021	0.0005	0.00105	0.0014	0.00043589
5e+12	0.7747	0.78733	0.7936	0.0085442	0.7762	0.78892	0.7952	0.0086067	0.0015	0.0016	0.0017	8.165e-05
1e+13	0.7768	0.78117	0.7875	0.0046743	0.7785	0.78255	0.7886	0.0044426	0.0011	0.001375	0.0017	0.00025

Device Test: 6.98; VOL_WDO_10MA_OD

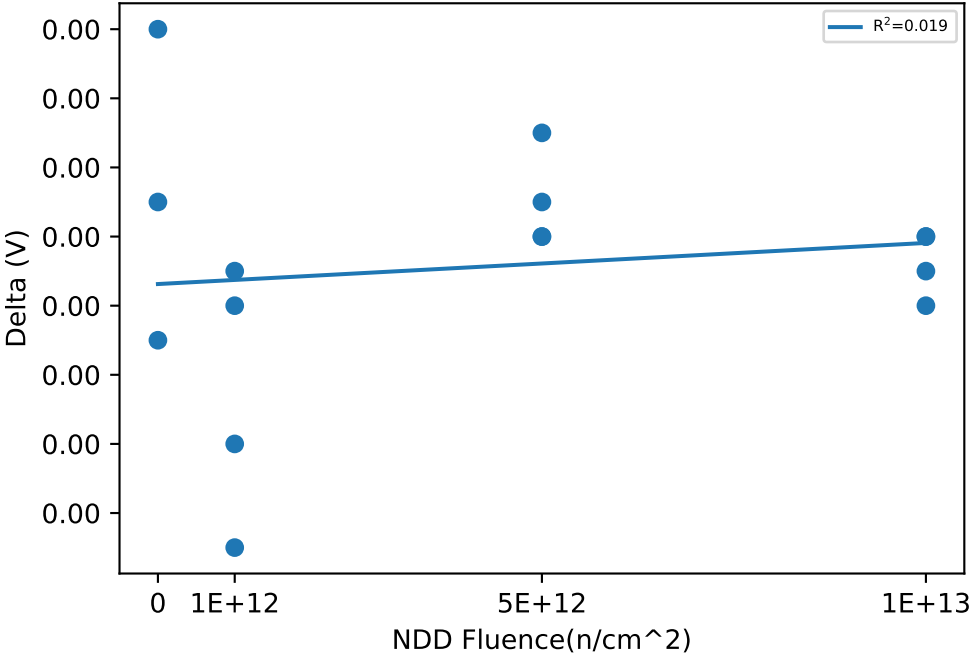
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7514	0.7519	0.0005
314	1e+12	NDD Unbiased	0.7399	0.7407	0.0008
315	1e+12	NDD Unbiased	0.7368	0.738	0.0012
316	1e+12	NDD Unbiased	0.7439	0.7452	0.0013
317	5e+12	NDD Unbiased	0.7492	0.7507	0.0015
318	5e+12	NDD Unbiased	0.7529	0.7546	0.0017
320	5e+12	NDD Unbiased	0.7536	0.755	0.0014
321	5e+12	NDD Unbiased	0.733	0.7344	0.0014
322	1e+13	NDD Unbiased	0.7454	0.7466	0.0012
323	1e+13	NDD Unbiased	0.74	0.7414	0.0014
324	1e+13	NDD Unbiased	0.738	0.7393	0.0013
325	1e+13	NDD Unbiased	0.7369	0.7383	0.0014
326	0	Correlation	0.7333	0.7344	0.0011
327	0	Correlation	0.7349	0.7364	0.0015
328	0	Correlation	0.733	0.735	0.002

NDD vs Post - Pre Exposure Delta

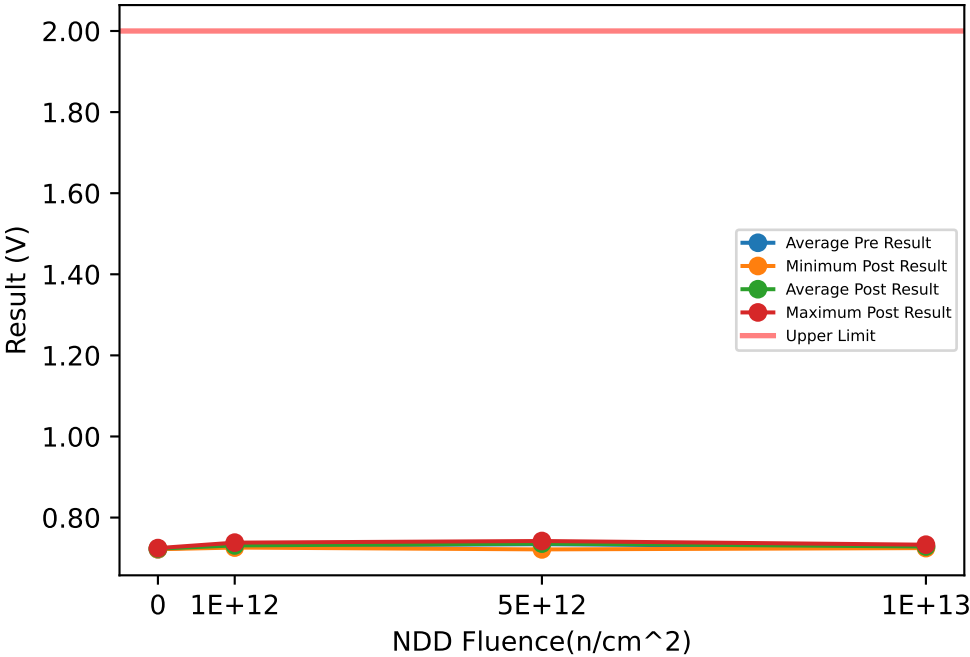


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.733	0.73373	0.7349	0.0010214	0.7344	0.73527	0.7364	0.0010263	0.0011	0.0015333	0.002	0.00045092
1e+12	0.7368	0.743	0.7514	0.0063093	0.738	0.74395	0.7519	0.0060754	0.0005	0.00095	0.0013	0.00036968
5e+12	0.733	0.74718	0.7536	0.0096452	0.7344	0.74867	0.755	0.0097123	0.0014	0.0015	0.0017	0.00014142
1e+13	0.7369	0.74008	0.7454	0.0037748	0.7383	0.7414	0.7466	0.0036995	0.0012	0.001325	0.0014	9.5743e-05

Device Test: 6.99; VOL_PWRGD_10MA_OD

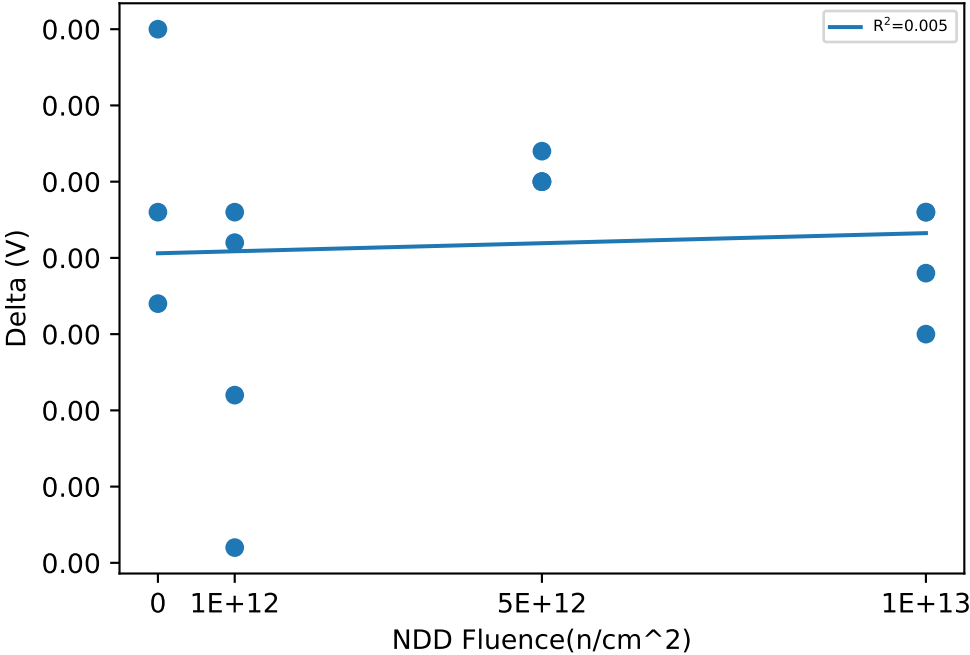
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
313	1e+12	NDD Unbiased	0.7379	0.7382	0.0003
314	1e+12	NDD Unbiased	0.7284	0.7292	0.0008
315	1e+12	NDD Unbiased	0.7247	0.726	0.0013
316	1e+12	NDD Unbiased	0.7303	0.7317	0.0014
317	5e+12	NDD Unbiased	0.7365	0.738	0.0015
318	5e+12	NDD Unbiased	0.7406	0.7422	0.0016
320	5e+12	NDD Unbiased	0.7401	0.7416	0.0015
321	5e+12	NDD Unbiased	0.72	0.7215	0.0015
322	1e+13	NDD Unbiased	0.7321	0.7331	0.001
323	1e+13	NDD Unbiased	0.7285	0.7299	0.0014
324	1e+13	NDD Unbiased	0.7254	0.7266	0.0012
325	1e+13	NDD Unbiased	0.7233	0.7247	0.0014
326	0	Correlation	0.7225	0.7236	0.0011
327	0	Correlation	0.7233	0.7247	0.0014
328	0	Correlation	0.7199	0.7219	0.002

NDD vs Post - Pre Exposure Delta



Test Statistics (V)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7199	0.7219	0.7233	0.0017776	0.7219	0.7234	0.7247	0.0014107	0.0011	0.0015	0.002	0.00045826
1e+12	0.7247	0.73033	0.7379	0.0055596	0.726	0.73128	0.7382	0.0051726	0.0003	0.00095	0.0014	0.00050662
5e+12	0.72	0.7343	0.7406	0.0097067	0.7215	0.73582	0.7422	0.0097284	0.0015	0.001525	0.0016	5e-05
1e+13	0.7233	0.72732	0.7321	0.0038335	0.7247	0.72857	0.7331	0.0037035	0.001	0.00125	0.0014	0.00019149

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you fully indemnify TI and its representatives against any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#), [TI's General Quality Guidelines](#), or other applicable terms available either on [ti.com](#) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products. Unless TI explicitly designates a product as custom or customer-specified, TI products are standard, catalog, general purpose devices.

TI objects to and rejects any additional or different terms you may propose.

Copyright © 2026, Texas Instruments Incorporated

Last updated 10/2025