

TPS7H3024-SP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H3024-SP, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. The TPS7H3024-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	11
4.1 Applicable Documents.....	11
4.2 Reference Documents.....	11
A Appendix: NDD Report Data	11

List of Figures

Figure 1-1. TPS7H3024-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 TPS7H3024-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 TPS7H3024-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420601VXC.

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	TPS7H3024-SP
TI Part Name	5962R2420601VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Lot Number / Date Code	5002347 / 2515A
Sample Quantity	12 + 2 control units
Exposure Facility	Fast Neutron Irradiation (FNI) Facility of University of Massachusetts Lowell Research Reactor (UMLRR)
Neutron Fluence (1-MeV equivalent) Level	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Ambient room temperature

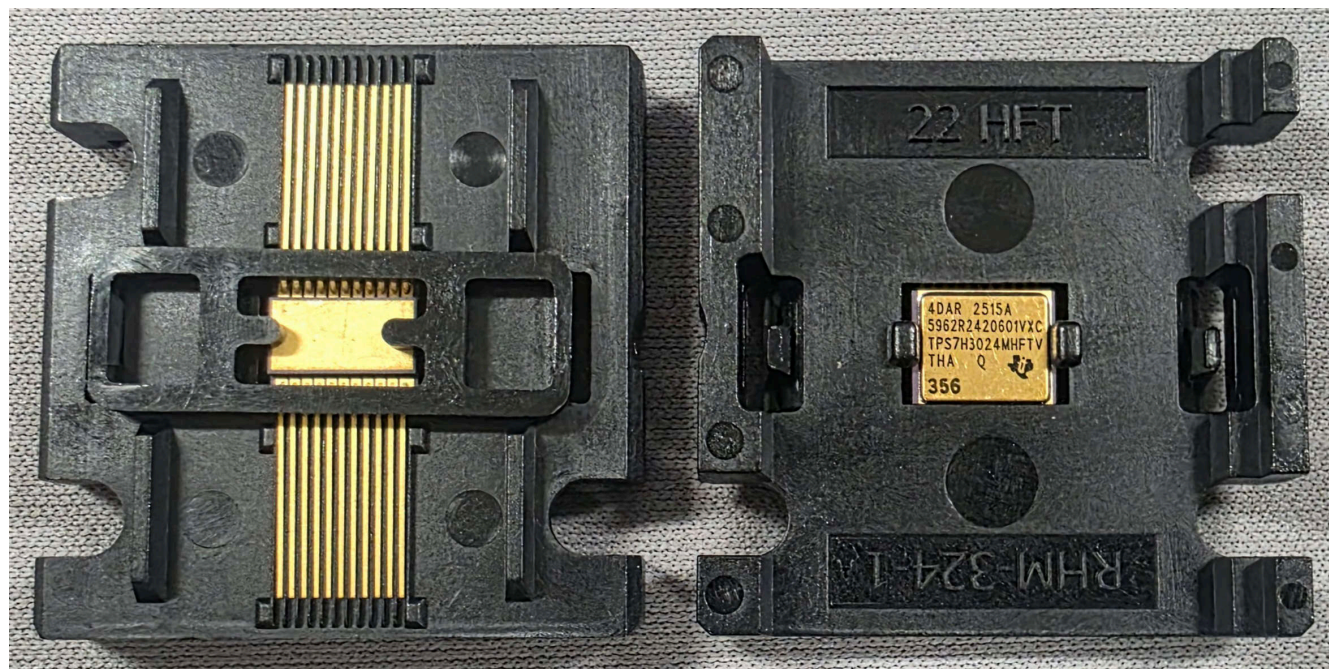


Figure 1-1. TPS7H3024-SP Device

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 TPS7H3024-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

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

[UNIVERSITY OF MASSACHUSETTS LOWELL RESEARCH REACTOR](#)

2.3 Test Setup Details

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

2.4 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	2	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 TPS7H3024-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 [TPS7H3024-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	$\overline{RESETx} = \text{Low and High}, V_{SR_UVLO} > V_{TH_SR_UVLO_RISING(MAX)}$	1, 2, 3		1.5	2.5	mA	6.4, 6.5, 6.6, 6.7
V_{IN} shutdown current	$V_{SR_UVLO} = 0$	1, 2, 3		1.5	2.1		6.0 and 6.1
V_{IN} rising undervoltage lockout		1, 2, 3	2.73	2.8	2.88	V	6.137
V_{IN} falling undervoltage lockout		1, 2, 3	2.58	2.65	2.72		6.138
Internal linear regulator output voltage	$4V \leq V_{IN} \leq 14V$	1, 2, 3	3.23	3.29	3.37	V	6.9 and 6.10
	$V_{IN} < 3V$	1, 2, 3	98%	99%		$\times V_{IN}$	6.8
VLDO maximum current for out of regulation operation	$3.65V \leq V_{IN} \leq 14V, VLDO = 98.5\% \times VLDO_{(NOM)}$	1, 2, 3			5	mA	6.11, 6.12
Internal bandgap voltage		1, 2, 3	1.188	1.2	1.212	V	6.13 and 6.14
IN power on reset voltage	$1.6V \leq V_{PULL_UPx} \leq 7V, V_{OL} \leq 320mV$ with $I_{\overline{RESETx}} = -1mA$	1, 2, 3		1.42	2		6.139, 6.140, 6.141, 6.142, 6.143, 6.144, 6.145, 6.146, 6.147, 6.148
PULL_UPx power on reset voltage	$V_{IN} = 0V, V_{OL} \leq 320mV$ with $I_{\overline{RESETx}} = -100\mu A$	1, 2, 3		0.85	1.1		6.149, 6.150, 6.151, 6.152, 6.153
V_{HYS}	$R_{HYS} = 49.9k\Omega$	1, 2, 3	1.164	1.2	1.236		6.155
SENSE1 TO SENSE4, UP AND DOWN 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	6.25, 6.26, 6.27, 6.28, 6.29, 6.30, 6.31, 6.32
Input leakage current at SENSEx	$V_{SENSEx} = 500mV$	1, 2, 3		1	100	nA	6.17, 6.18, 6.19, 6.20, 6.21, 6.22, 6.23, 6.24
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	6.15 and 6.16
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	6.37 and 6.38

3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number	
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	6.39 and 6.40	
RESET1 TO RESET4, PWRGD AND WDO PUSH PULL OUTPUTS									
PULL_UPx leakage current	$V_{PULL_UPx} = 7V, \overline{RESETx} = LOW$		1, 2, 3		48	100	μA	6.33, 6.34, 6.35, 6.36	
Low-level \overline{RESETx} output voltage	$1.6V \leq V_{PULL_UP1} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			5%	x V_{PULL_UP1}	6.65, 6.66, 6.67, 6.68, 6.71, 6.72, 6.73, 6.74, 6.77, 6.78, 6.79, 6.80, 6.83, 6.84, 6.85, 6.86	
		$I_{LOAD} = -10mA$	1, 2, 3			23%		6.113, 6.114, 6.115, 6.116, 6.119, 6.120, 6.121, 6.122, 6.125, 6.126, 6.127, 6.128, 6.131, 6.132, 6.133, 6.134	
High-level \overline{RESETx} output voltage	$1.6V \leq V_{PULL_UP1} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	95%				6.41, 6.42, 6.43, 6.44, 6.47, 6.48, 6.49, 6.50, 6.53, 6.54, 6.55, 6.56, 6.59, 6.60, 6.61, 6.62	
		$I_{LOAD} = 10mA$	1, 2, 3	75%				6.89, 6.90, 6.91, 6.92, 6.95, 6.96, 6.97, 6.98, 6.101, 6.102, 6.103, 6.104, 6.107, 6.108, 6.109, 6.110	
Low-level PWRGD output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			5%		x V_{PULL_UP2}	6.70, 6.76, 6.82, 6.88
		$I_{LOAD} = -10mA$	1, 2, 3			23%			6.118, 6.124, 6.130, 6.136
High-level PWRGD output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	95%			6.46, 6.52, 6.58, 6.64		
		$I_{LOAD} = 10mA$	1, 2, 3	75%			6.94, 6.100, 6.106, 6.112		
Low-level \overline{WDO} output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = -2mA$	1, 2, 3			5%	6.69, 6.75, 6.81, 6.87		
		$I_{LOAD} = -10mA$	1, 2, 3			23%	6.117, 6.123, 6.129, 6.135		
High-level \overline{WDO} output voltage	$1.6V \leq V_{PULL_UP2} \leq 7V$	$I_{LOAD} = 2mA$	1, 2, 3	95%			6.45, 6.51, 6.57, 6.63		
		$I_{LOAD} = 10mA$	1, 2, 3	75%			6.93, 6.99, 6.105, 6.111		

3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
RESETx rising output voltage slew rate	10% to 90% of V_{PULL_UP1} , $R_{LOAD} = 50k\Omega$, $C_{LOAD} = 100pF$	$1.6V \leq V_{PULL_UP1} \leq 7V$	9, 10, 11	17	298		V/ μ s	19.0, 19.1, 19.2, 19.3, 19.12, 19.13, 19.14, 19.15, 19.24, 19.25, 19.26, 19.27, 19.36, 19.37, 19.38, 19.39
PWRGD rising output voltage slew rate			9, 10, 11	17	298			19.4, 19.16, 19.28, 19.40
WD0 rising output voltage slew rate			9, 10, 11	17	298			19.5, 19.17, 19.29, 19.41
RESETx falling output voltage slew rate	90% to 10% of V_{PULL_UP1} , $R_{LOAD} = 50k\Omega$, $C_{LOAD} = 100pF$	$1.6V \leq V_{PULL_UP1} \leq 7V$	9, 10, 11	44	186			19.6, 19.7, 19.8, 19.9, 19.18, 19.19, 19.20, 19.21, 19.30, 19.31, 19.32, 19.33, 19.42, 19.43, 19.44, 19.45
PWRGD falling output voltage slew rate			9, 10, 11	44	186			19.10, 19.22, 19.34, 19.46
WD0 falling output voltage slew rate			9, 10, 11	44	186			19.11, 19.23, 19.35, 19.47
RESET PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP1} \leq 3.3V$	1, 2, 3		20	40	Ω	18.0, 18.1, 18.2, 18.3, 18.6, 18.7, 18.8, 18.9
		$3.3V \leq V_{PULL_UP1} \leq 7V$	1, 2, 3		9	20		18.12, 18.13, 18.14, 18.15, 18.18, 18.19, 18.20, 18.21
PWRGD PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP2} \leq 3.3V$	1, 2, 3		20	40		18.4, 18.10
		$3.3V \leq V_{PULL_UP2} \leq 7V$	1, 2, 3		9	20		18.16, 18.22
WD0 PMOS source output resistance	$I_{LOAD} = 2mA$	$1.6V \leq V_{PULL_UP2} \leq 3.3V$	1, 2, 3		20	40		18.5, 18.11
		$3.3V \leq V_{PULL_UP2} \leq 7V$	1, 2, 3		9	20		18.17, 18.23
RESET NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		16	36		18.24, 18.25, 18.26, 18.27, 18.30, 18.31, 18.32, 18.33, 18.36, 18.37, 18.38, 18.39, 18.42, 18.43, 18.44, 18.45
PWRGD NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		16	36		18.28, 18.34, 18.40, 18.46
WD0 NMOS sink output resistance	$I_{LOAD} = -2mA$, $1.6V \leq V_{PULL_UP1} \leq 7V$		1, 2, 3		16	36	18.29, 18.35, 18.41, 18.47	

3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
THERMAL PROTECTION							
Thermal shutdown enter temperature				185		°C	
Thermal shutdown exit temperature				171			
DELAY AND WATCHDOG TIMERS							
Delay time	$R_{DLY_TMR} = 10.5k\Omega$	1, 2, 3	0.22	0.26	0.33	ms	5.20, 5.21, 5.23, 5.24, 5.25, 5.38, 5.39, 5.41, 5.42, 5.43, 5.56, 5.57, 5.59, 5.60, 5.61, 5.74, 5.75, 5.77, 5.78, 5.79
	$R_{DLY_TMR} = 619k\Omega$	1, 2, 3	11.3	12.5	13.7		5.26, 5.27, 5.29, 5.30, 5.31, 5.44, 5.45, 5.47, 5.48, 5.49, 5.62, 5.63, 5.65, 5.66, 5.67, 5.80, 5.81, 5.83, 5.84, 5.85
	$R_{DLY_TMR} = 1.18M\Omega$	1, 2, 3	21.3	23.7	26.2		5.32, 5.33, 5.35, 5.36, 5.37, 5.50, 5.51, 5.53, 5.54, 5.55, 5.68, 5.69, 5.71, 5.72, 5.73, 5.86, 5.87, 5.89, 5.90, 5.91
Watchdog time-out	$R_{WD_TMR} = 56.2k\Omega$	1, 2, 3	0.43	0.52	0.57	s	5.22, 5.40, 5.58, 5.76
	$R_{WD_TMR} = 118k\Omega$	1, 2, 3	0.8	1	1.2		5.28, 5.46, 5.64, 5.82
	$R_{WD_TMR} = 174k\Omega$	1, 2, 3	1.34	1.5	1.7		5.34, 5.52, 5.70, 5.88

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	6.154	
RESET propagation delay	DLY_TMR = Open, V _{OVERDRIVE} = 10mV, SR _{SENSEX} = 27V/μs, from 50% of SENSEx to 50% of RESETx	1, 2, 3		0.62	4.3	μs	5.0, 5.1, 5.3, 5.4, 5.5, 5.6, 5.8, 5.9, 5.10, 5.11, 5.13, 5.14, 5.15, 5.16, 5.18, 5.19	
PWRGD propagation delay	DLY_TMR = Open, V _{OVERDRIVE} = 10mV, SR _{SENSEX} = 27V/μs, from 50% of V _{SENSEX} to 50% of V _{PWRGD}	1, 2, 3		0.51	4.3	μs	5.2, 5.7, 5.12, 5.17	
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	5.104, 5.105, 5.106, 5.107, 5.108, 5.109, 5.110, 5.111	
WDI propagation delay	V _{WDI} = Rising from 0V to 1V in 10ns, V _{SENSEX} = 610mV, from 50% of V _{WDI} to 50% of V _{WDO}	1, 2, 3		23	40	μs		
			t _{WD_TMR} = 0.5s		47			80
			t _{WD_TMR} = 1s		68			116
WDI minimum pulse width		4, 5, 6	2			× 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	
Rising threshold on VSENSEX hold time		4, 5, 6			3.7	μs		

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H3024-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with Watchdog](#), data sheet.
- Texas Instruments, [TPS7H3024EVM-CVAL Evaluation Module User's Guide](#), user's guide.

4.2 Reference Documents

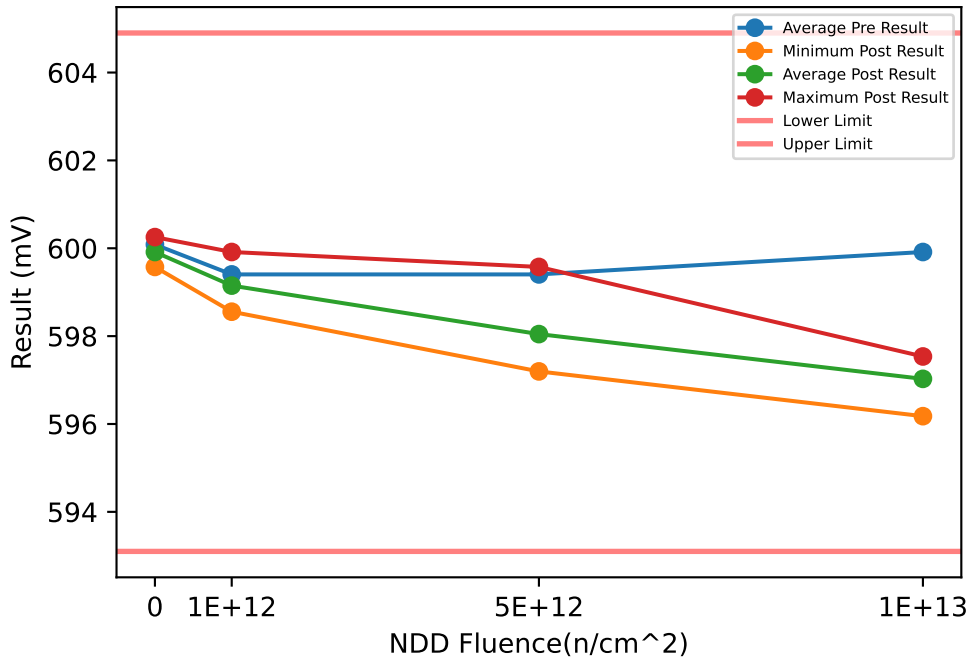
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

A Appendix: NDD Report Data

This appendix contains the NDD report data.

Device Test: 13.1 ; VTH_SENSE

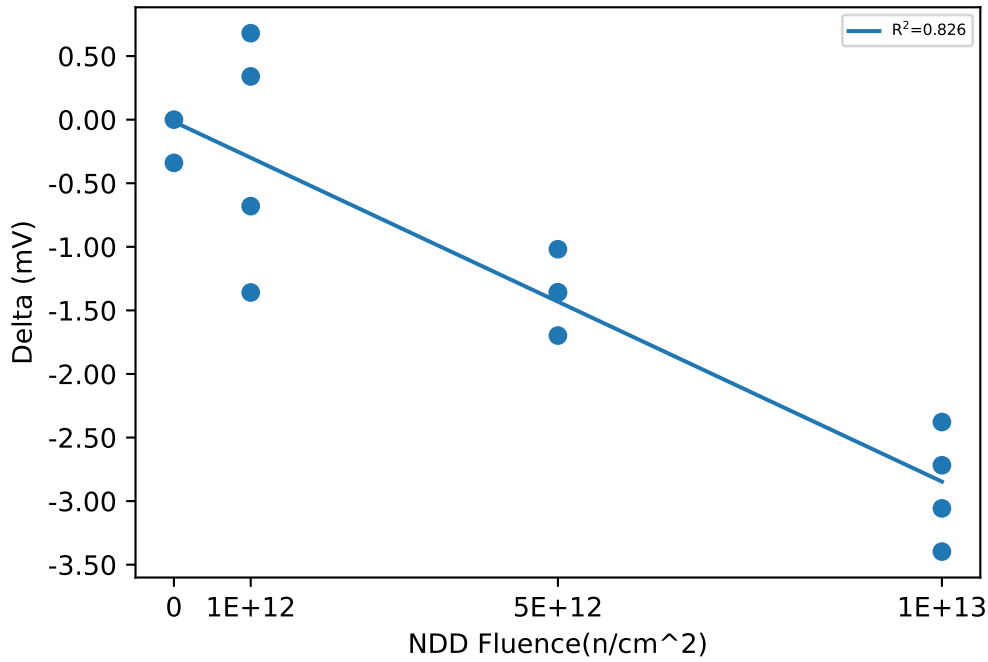
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.59	600.25	-0.34
301	0	Correlation	599.58	599.58	0
353	1e+12	NDD Unbiased	598.89	599.24	0.34
354	1e+12	NDD Unbiased	599.58	598.89	-0.68
355	1e+12	NDD Unbiased	599.91	598.56	-1.359
356	1e+12	NDD Unbiased	599.24	599.91	0.68
357	5e+12	NDD Unbiased	600.59	599.58	-1.019
358	5e+12	NDD Unbiased	598.89	597.2	-1.698
359	5e+12	NDD Unbiased	599.24	597.88	-1.359
360	5e+12	NDD Unbiased	598.89	597.54	-1.358
361	1e+13	NDD Unbiased	599.91	597.2	-2.718
362	1e+13	NDD Unbiased	600.59	597.2	-3.397
363	1e+13	NDD Unbiased	600.59	597.54	-3.057
364	1e+13	NDD Unbiased	598.56	596.18	-2.378

NDD vs Post - Pre Exposure Delta

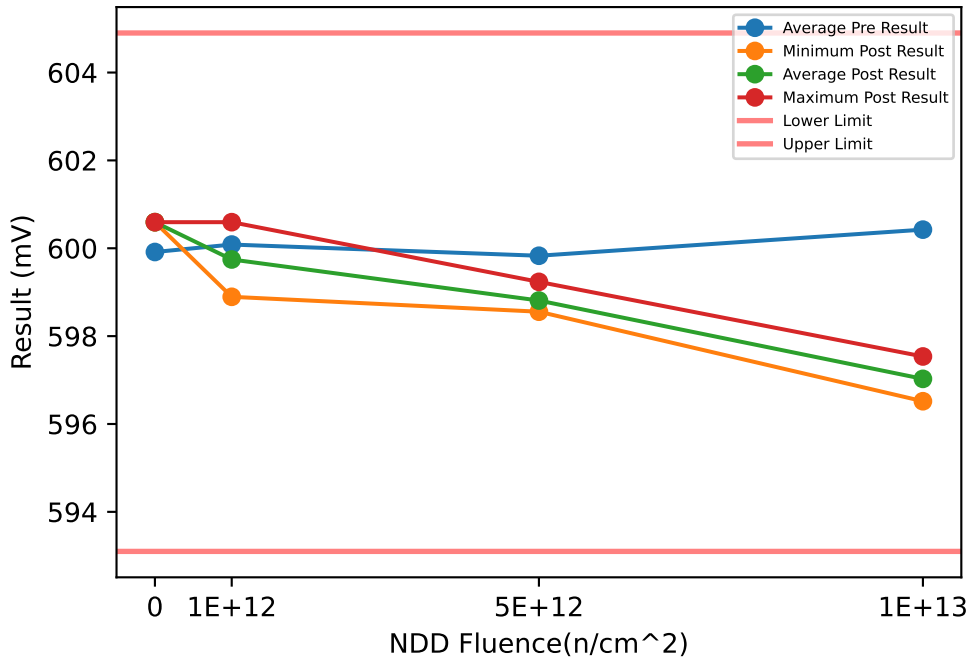


Test Statistics (mV)

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	599.58	600.08	600.59	0.72054	599.58	599.91	600.25	0.48013	-0.34	-0.17	0	0.24042
1e+12	598.89	599.4	599.91	0.43894	598.56	599.15	599.91	0.58032	-1.359	-0.25475	0.68	0.93589
5e+12	598.89	599.4	600.59	0.80887	597.2	598.05	599.58	1.0562	-1.698	-1.3585	-1.019	0.2772
1e+13	598.56	599.91	600.59	0.96072	596.18	597.03	597.54	0.58842	-3.397	-2.8875	-2.378	0.43842

Device Test: 13.10 ; VTH_SENSE

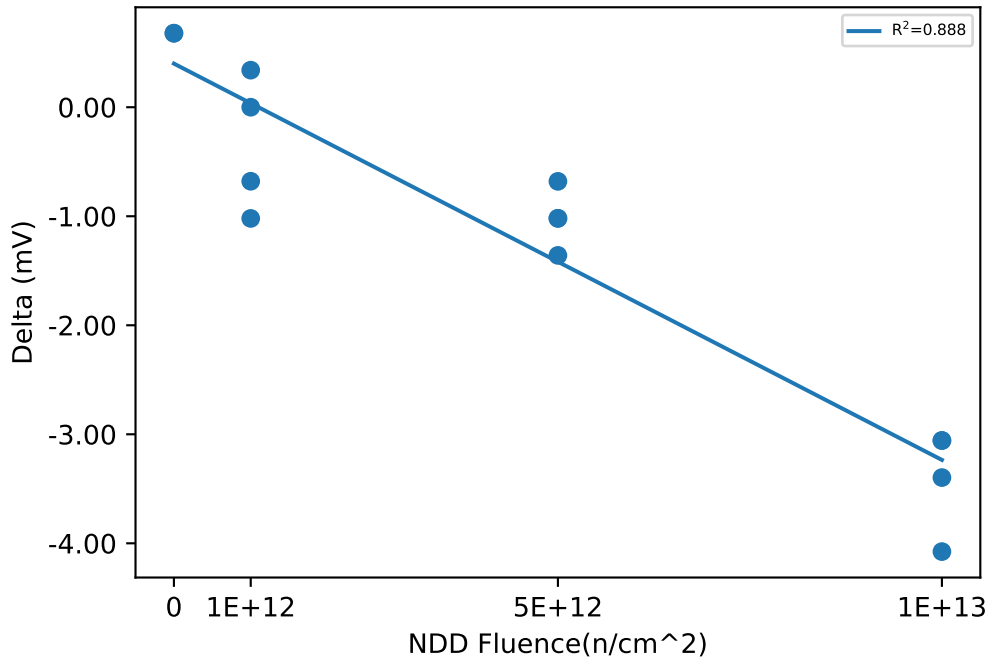
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.91	600.59	0.679
301	0	Correlation	599.91	600.59	0.679
353	1e+12	NDD Unbiased	599.91	598.89	-1.02
354	1e+12	NDD Unbiased	599.58	599.91	0.34
355	1e+12	NDD Unbiased	600.59	600.59	0
356	1e+12	NDD Unbiased	600.25	599.58	-0.679
357	5e+12	NDD Unbiased	600.25	599.24	-1.019
358	5e+12	NDD Unbiased	599.58	598.56	-1.019
359	5e+12	NDD Unbiased	599.91	598.56	-1.359
360	5e+12	NDD Unbiased	599.58	598.89	-0.68
361	1e+13	NDD Unbiased	600.25	596.86	-3.397
362	1e+13	NDD Unbiased	601.27	597.2	-4.076
363	1e+13	NDD Unbiased	600.59	597.54	-3.057
364	1e+13	NDD Unbiased	599.58	596.52	-3.057

NDD vs Post - Pre Exposure Delta

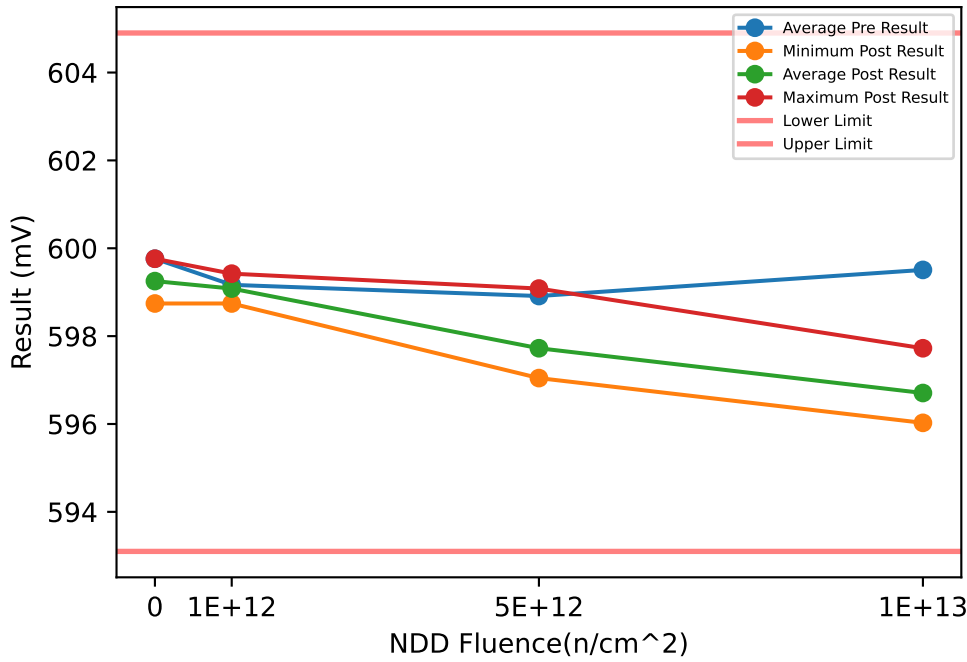


Test Statistics (mV)

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	599.91	599.91	599.91	0	600.59	600.59	600.59	0	0.679	0.679	0.679	0
1e+12	599.58	600.08	600.59	0.43842	598.89	599.74	600.59	0.70737	-1.02	-0.33975	0.34	0.62057
5e+12	599.58	599.83	600.25	0.32509	598.56	598.81	599.24	0.325	-1.359	-1.0192	-0.68	0.2772
1e+13	599.58	600.42	601.27	0.70697	596.52	597.03	597.54	0.43855	-4.076	-3.3968	-3.057	0.48036

Device Test: 13.11 ; VTH_SENSE

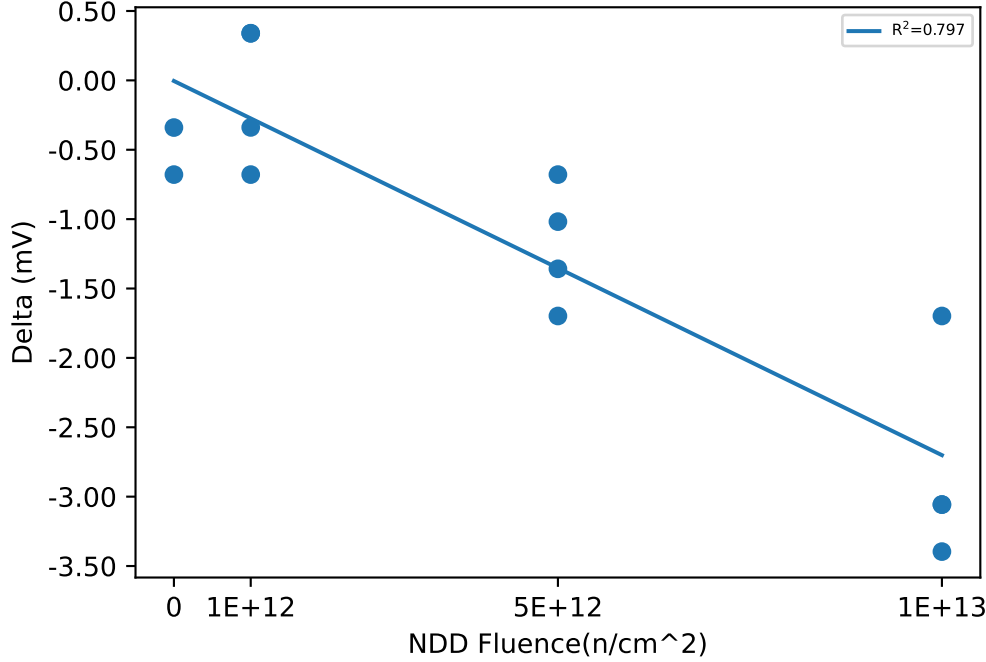
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.08	598.74	-0.34
301	0	Correlation	600.44	599.76	-0.679
353	1e+12	NDD Unbiased	598.74	599.08	0.34
354	1e+12	NDD Unbiased	599.42	599.08	-0.339
355	1e+12	NDD Unbiased	599.42	598.74	-0.679
356	1e+12	NDD Unbiased	599.08	599.42	0.339
357	5e+12	NDD Unbiased	600.1	599.08	-1.018
358	5e+12	NDD Unbiased	598.4	597.72	-0.679
359	5e+12	NDD Unbiased	598.74	597.04	-1.698
360	5e+12	NDD Unbiased	598.4	597.04	-1.358
361	1e+13	NDD Unbiased	599.76	596.37	-3.396
362	1e+13	NDD Unbiased	599.76	596.71	-3.057
363	1e+13	NDD Unbiased	599.42	597.72	-1.698
364	1e+13	NDD Unbiased	599.08	596.03	-3.057

NDD vs Post - Pre Exposure Delta

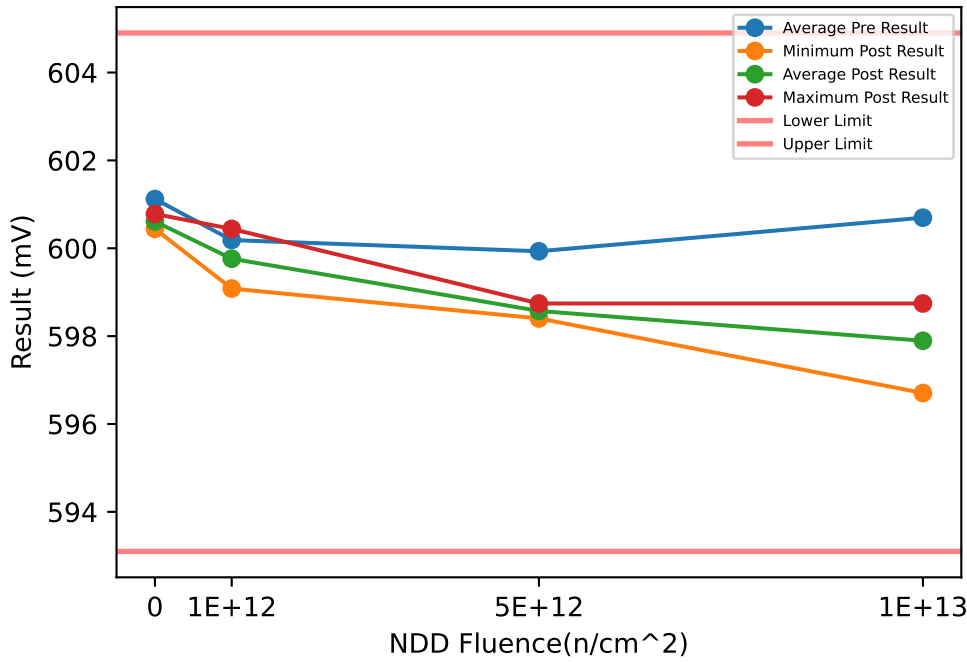


Test Statistics (mV)

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	599.08	599.76	600.44	0.96025	598.74	599.25	599.76	0.72054	-0.679	-0.5095	-0.34	0.23971
1e+12	598.74	599.17	599.42	0.325	598.74	599.08	599.42	0.2772	-0.679	-0.08475	0.34	0.50917
5e+12	598.4	598.91	600.1	0.80838	597.04	597.72	599.08	0.96072	-1.698	-1.1883	-0.679	0.43855
1e+13	599.08	599.51	599.76	0.32509	596.03	596.71	597.72	0.73356	-3.396	-2.802	-1.698	0.75315

Device Test: 13.12 ; VTH_SENSE

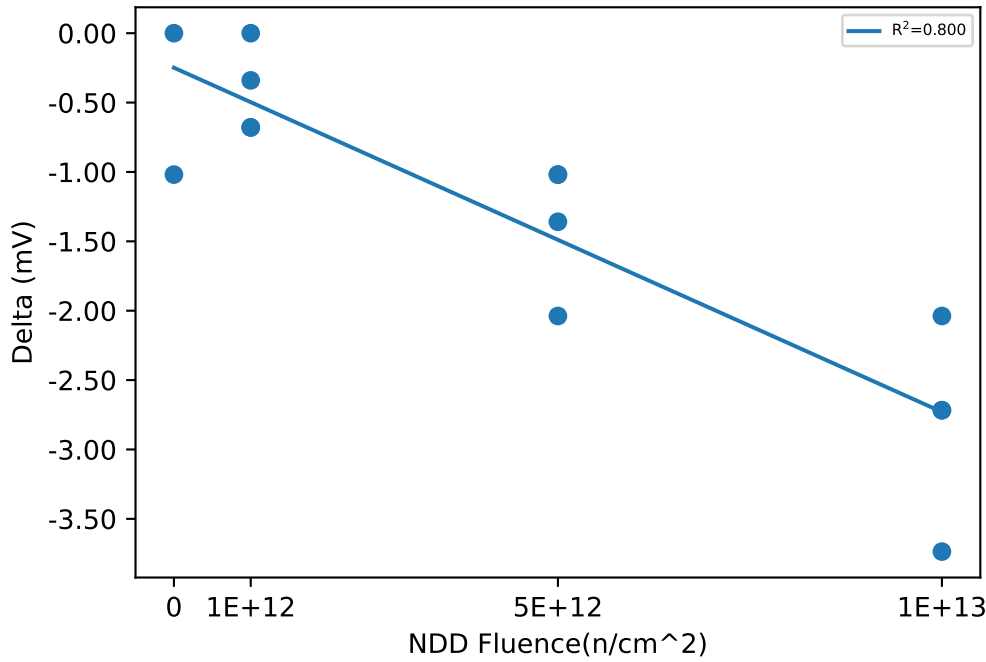
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.44	600.44	0
301	0	Correlation	601.8	600.78	-1.019
353	1e+12	NDD Unbiased	599.76	599.08	-0.679
354	1e+12	NDD Unbiased	600.78	600.44	-0.34
355	1e+12	NDD Unbiased	599.76	599.76	0
356	1e+12	NDD Unbiased	600.44	599.76	-0.679
357	5e+12	NDD Unbiased	600.78	598.74	-2.038
358	5e+12	NDD Unbiased	599.76	598.74	-1.019
359	5e+12	NDD Unbiased	599.76	598.4	-1.359
360	5e+12	NDD Unbiased	599.42	598.4	-1.019
361	1e+13	NDD Unbiased	600.44	597.72	-2.717
362	1e+13	NDD Unbiased	600.44	598.4	-2.038
363	1e+13	NDD Unbiased	601.46	598.74	-2.717
364	1e+13	NDD Unbiased	600.44	596.71	-3.736

NDD vs Post - Pre Exposure Delta

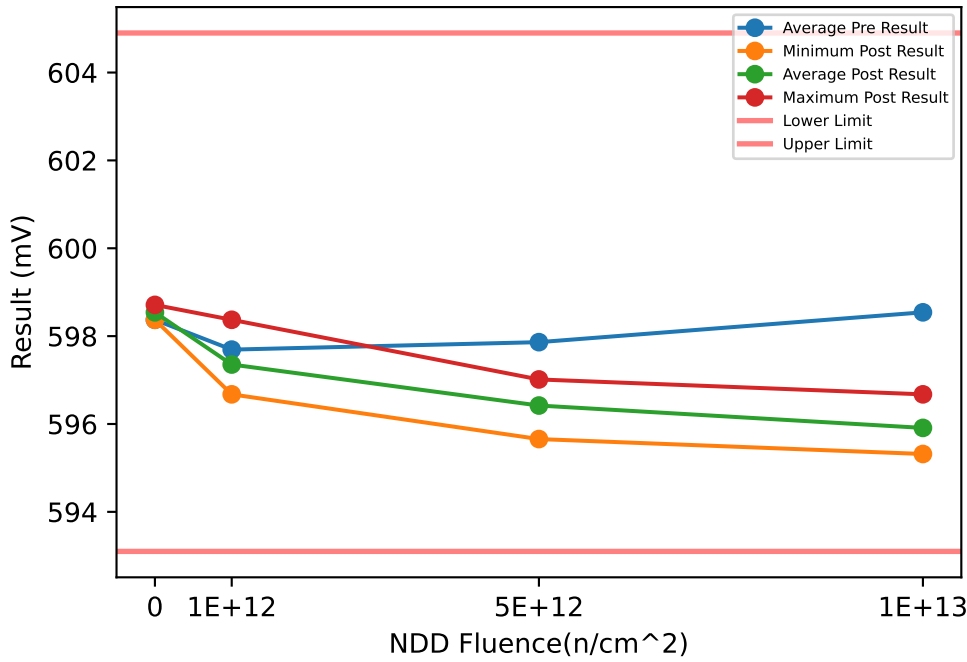


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.44	601.12	601.8	0.96096	600.44	600.61	600.78	0.24042	-1.019	-0.5095	0	0.72054
1e+12	599.76	600.19	600.78	0.50944	599.08	599.76	600.44	0.5544	-0.679	-0.4245	0	0.325
5e+12	599.42	599.93	600.78	0.58842	598.4	598.57	598.74	0.1963	-2.038	-1.3587	-1.019	0.48036
1e+13	600.44	600.7	601.46	0.5095	596.71	597.89	598.74	0.89861	-3.736	-2.802	-2.038	0.70012

Device Test: 13.13 ; VTH_SENSE

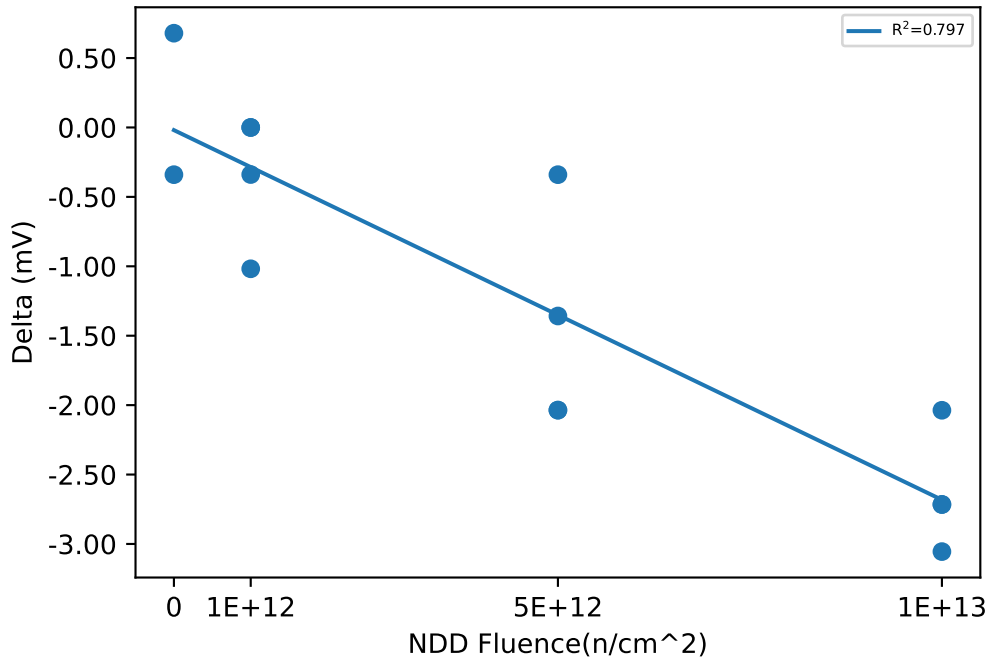
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.05	598.71	-0.34
301	0	Correlation	597.69	598.37	0.679
353	1e+12	NDD Unbiased	597.01	596.67	-0.339
354	1e+12	NDD Unbiased	597.69	596.67	-1.018
355	1e+12	NDD Unbiased	598.37	598.37	0
356	1e+12	NDD Unbiased	597.69	597.69	0
357	5e+12	NDD Unbiased	598.71	596.67	-2.036
358	5e+12	NDD Unbiased	597.69	596.34	-1.358
359	5e+12	NDD Unbiased	597.69	595.66	-2.036
360	5e+12	NDD Unbiased	597.35	597.01	-0.34
361	1e+13	NDD Unbiased	598.37	595.32	-3.055
362	1e+13	NDD Unbiased	599.05	596.34	-2.716
363	1e+13	NDD Unbiased	599.39	596.67	-2.715
364	1e+13	NDD Unbiased	597.35	595.32	-2.037

NDD vs Post - Pre Exposure Delta

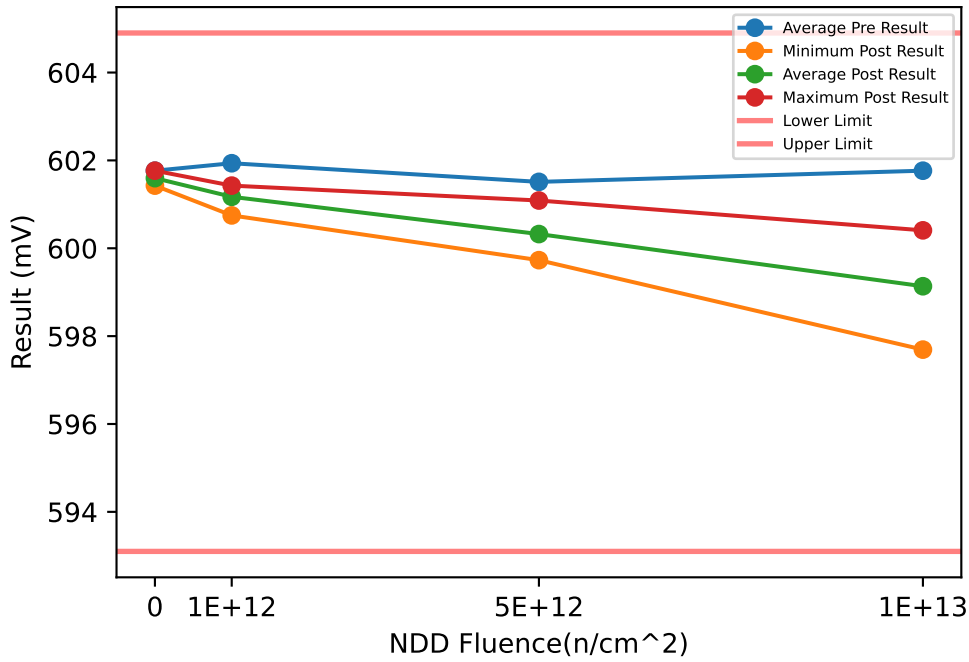


Test Statistics (mV)

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	597.69	598.37	599.05	0.96025	598.37	598.54	598.71	0.23971	-0.34	0.1695	0.679	0.72054
1e+12	597.01	597.69	598.37	0.5544	596.67	597.35	598.37	0.83133	-1.018	-0.33925	0	0.47989
5e+12	597.35	597.86	598.71	0.58765	595.66	596.42	597.01	0.57944	-2.036	-1.4425	-0.34	0.80148
1e+13	597.35	598.54	599.39	0.89785	595.32	595.91	596.67	0.6998	-3.055	-2.6308	-2.037	0.42696

Device Test: 13.14 ; VTH_SENSE

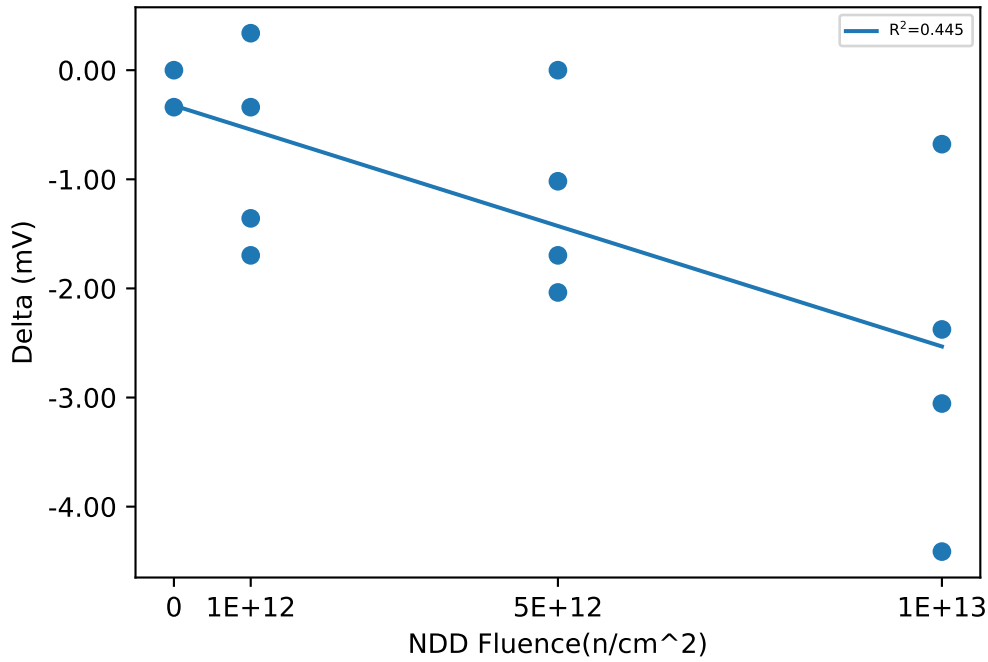
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	601.43	601.43	0
301	0	Correlation	602.11	601.77	-0.339
353	1e+12	NDD Unbiased	601.09	601.43	0.339
354	1e+12	NDD Unbiased	602.45	600.75	-1.697
355	1e+12	NDD Unbiased	602.78	601.43	-1.358
356	1e+12	NDD Unbiased	601.43	601.09	-0.339
357	5e+12	NDD Unbiased	601.43	600.41	-1.018
358	5e+12	NDD Unbiased	602.78	601.09	-1.697
359	5e+12	NDD Unbiased	601.77	599.73	-2.037
360	5e+12	NDD Unbiased	600.07	600.07	0
361	1e+13	NDD Unbiased	599.73	599.05	-0.678
362	1e+13	NDD Unbiased	602.45	599.39	-3.055
363	1e+13	NDD Unbiased	602.78	600.41	-2.376
364	1e+13	NDD Unbiased	602.11	597.69	-4.412

NDD vs Post - Pre Exposure Delta

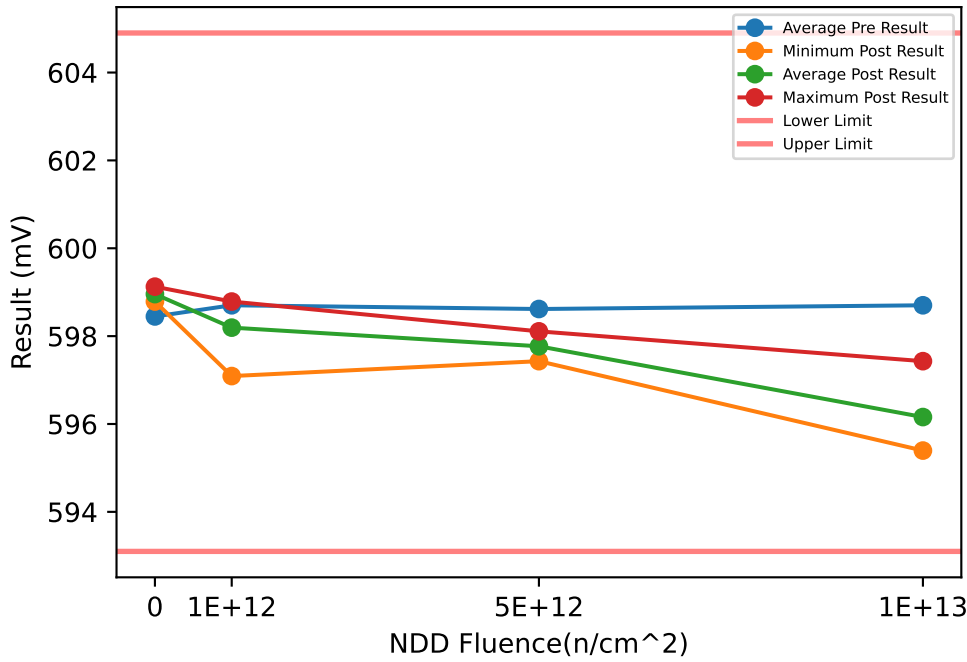


Test Statistics (mV)

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	601.43	601.77	602.11	0.48013	601.43	601.6	601.77	0.24042	-0.339	-0.1695	0	0.23971
1e+12	601.09	601.94	602.78	0.8081	600.75	601.17	601.43	0.32457	-1.697	-0.76375	0.339	0.93462
5e+12	600.07	601.51	602.78	1.1213	599.73	600.32	601.09	0.57973	-2.037	-1.188	0	0.89817
1e+13	599.73	601.77	602.78	1.3858	597.69	599.14	600.41	1.1213	-4.412	-2.6303	-0.678	1.5525

Device Test: 13.15 ; VTH_SENSE

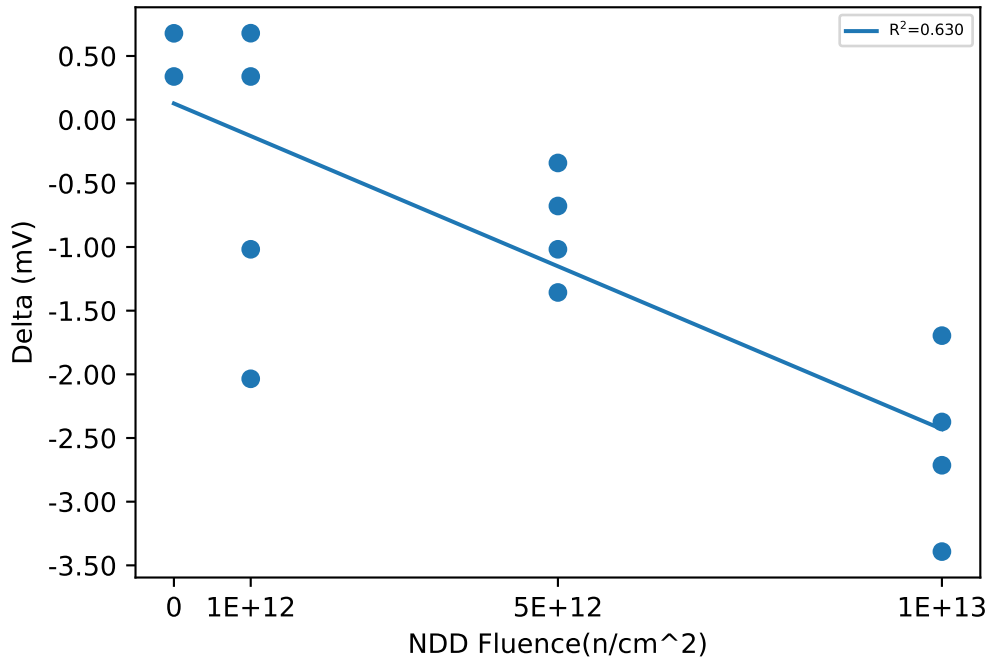
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.45	598.79	0.339
301	0	Correlation	598.45	599.13	0.678
353	1e+12	NDD Unbiased	597.77	598.45	0.679
354	1e+12	NDD Unbiased	599.13	597.09	-2.035
355	1e+12	NDD Unbiased	598.45	598.79	0.339
356	1e+12	NDD Unbiased	599.47	598.45	-1.018
357	5e+12	NDD Unbiased	598.79	598.11	-0.678
358	5e+12	NDD Unbiased	598.79	597.43	-1.357
359	5e+12	NDD Unbiased	598.79	597.77	-1.018
360	5e+12	NDD Unbiased	598.11	597.77	-0.34
361	1e+13	NDD Unbiased	598.79	596.07	-2.714
362	1e+13	NDD Unbiased	597.77	595.39	-2.374
363	1e+13	NDD Unbiased	599.13	597.43	-1.696
364	1e+13	NDD Unbiased	599.13	595.73	-3.392

NDD vs Post - Pre Exposure Delta

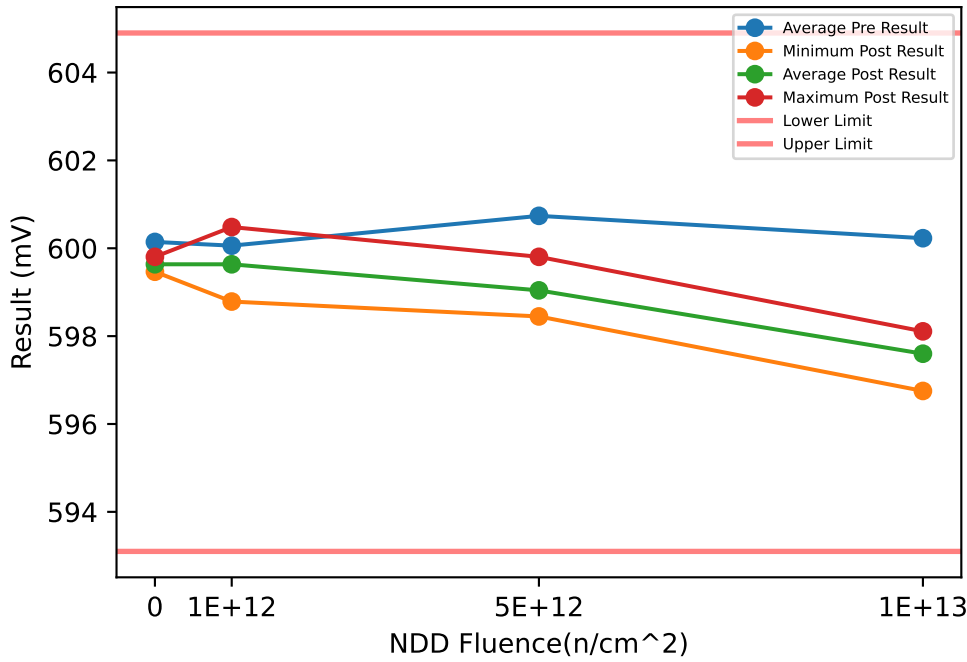


Test Statistics (mV)

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	598.45	598.45	598.45	0	598.79	598.96	599.13	0.23971	0.339	0.5085	0.678	0.23971
1e+12	597.77	598.7	599.47	0.75244	597.09	598.19	598.79	0.75217	-2.035	-0.50875	0.679	1.2541
5e+12	598.11	598.62	598.79	0.339	597.43	597.77	598.11	0.2772	-1.357	-0.84825	-0.34	0.43778
1e+13	597.77	598.7	599.13	0.6422	595.39	596.16	597.43	0.89203	-3.392	-2.544	-1.696	0.70617

Device Test: 13.16 ; VTH_SENSE

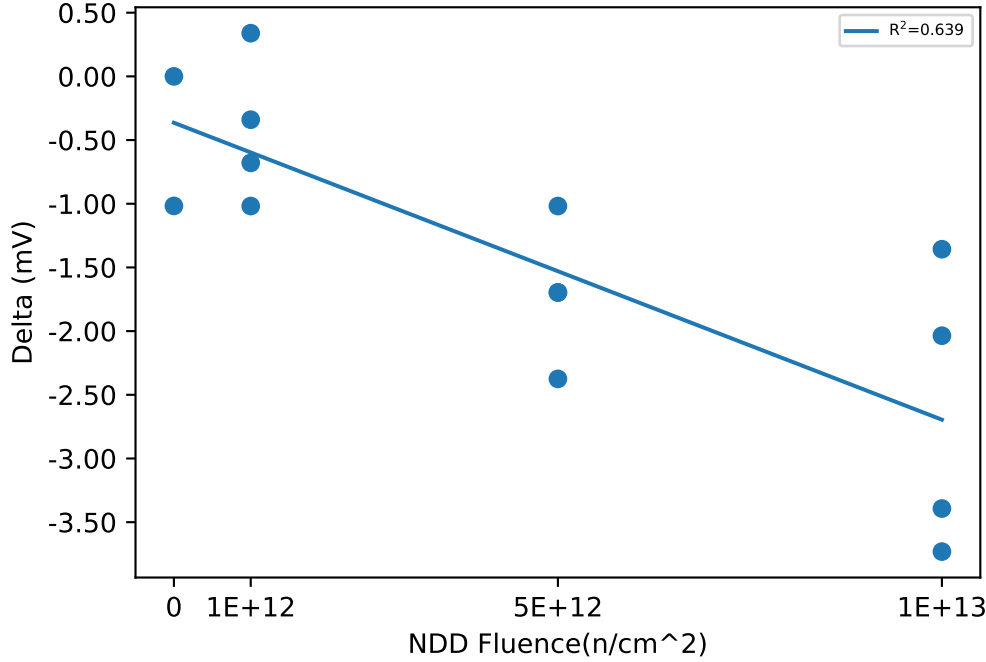
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.8	599.8	0
301	0	Correlation	600.48	599.47	-1.017
353	1e+12	NDD Unbiased	599.47	599.13	-0.34
354	1e+12	NDD Unbiased	599.8	598.79	-1.018
355	1e+12	NDD Unbiased	600.82	600.14	-0.679
356	1e+12	NDD Unbiased	600.14	600.48	0.339
357	5e+12	NDD Unbiased	600.82	599.8	-1.018
358	5e+12	NDD Unbiased	600.82	598.45	-2.375
359	5e+12	NDD Unbiased	600.82	599.13	-1.697
360	5e+12	NDD Unbiased	600.48	598.79	-1.696
361	1e+13	NDD Unbiased	600.48	596.75	-3.731
362	1e+13	NDD Unbiased	599.47	598.11	-1.357
363	1e+13	NDD Unbiased	601.16	597.77	-3.393
364	1e+13	NDD Unbiased	599.8	597.77	-2.036

NDD vs Post - Pre Exposure Delta

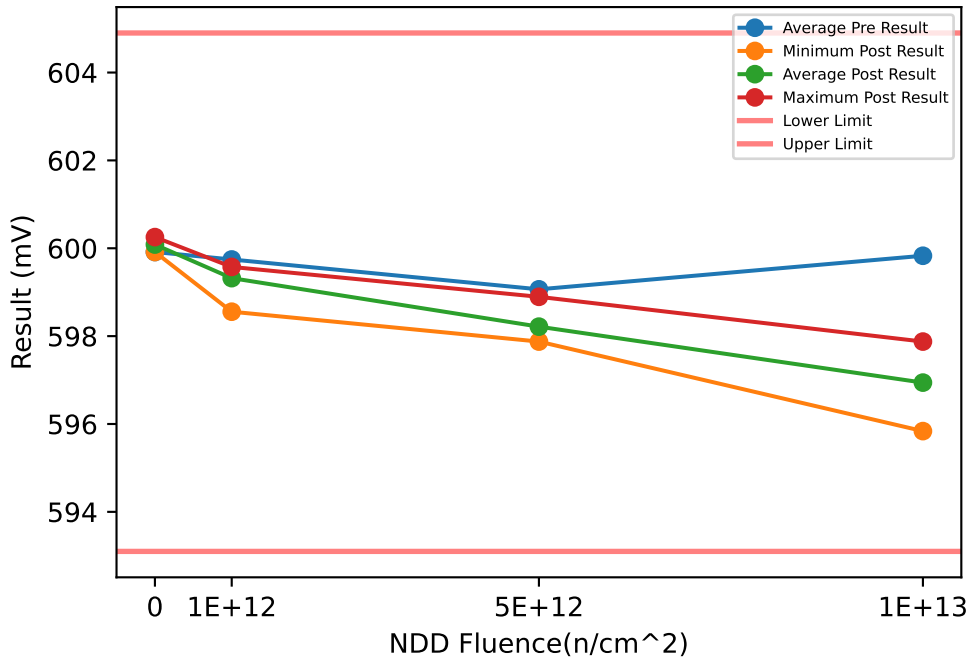


Test Statistics (mV)

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	599.8	600.14	600.48	0.47942	599.47	599.64	599.8	0.23971	-1.017	-0.5085	0	0.71913
1e+12	599.47	600.06	600.82	0.57939	598.79	599.63	600.48	0.80754	-1.018	-0.4245	0.339	0.57939
5e+12	600.48	600.74	600.82	0.17	598.45	599.04	599.8	0.57939	-2.375	-1.6965	-1.018	0.55399
1e+13	599.47	600.23	601.16	0.7521	596.75	597.6	598.11	0.58745	-3.731	-2.6292	-1.357	1.1207

Device Test: 13.17 ; VTH_SENSE

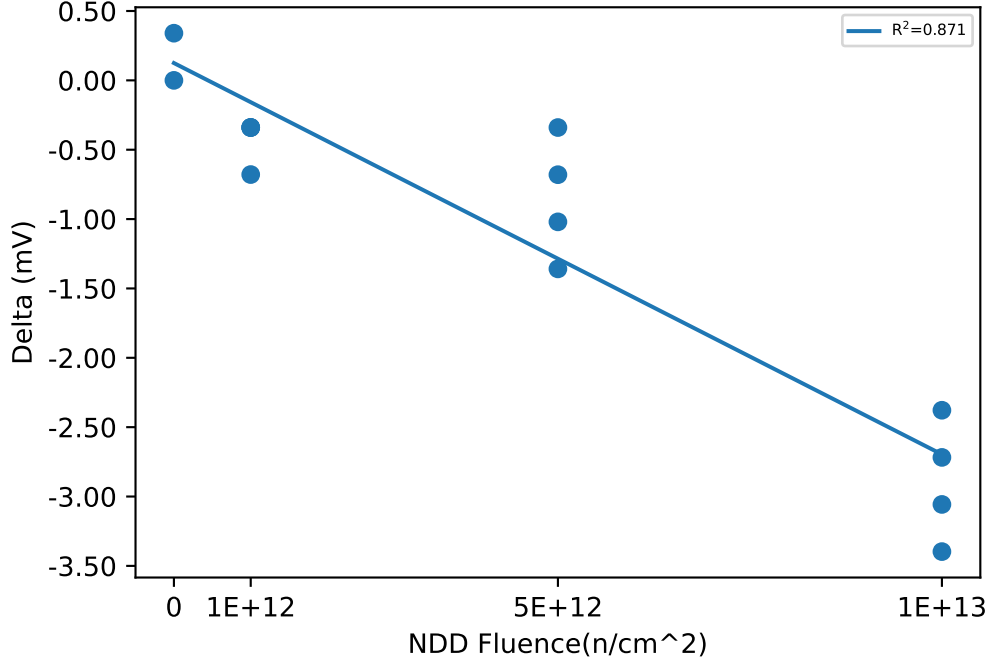
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.25	600.25	0
301	0	Correlation	599.58	599.91	0.34
353	1e+12	NDD Unbiased	598.89	598.56	-0.339
354	1e+12	NDD Unbiased	599.91	599.58	-0.34
355	1e+12	NDD Unbiased	600.25	599.58	-0.679
356	1e+12	NDD Unbiased	599.91	599.58	-0.34
357	5e+12	NDD Unbiased	599.91	598.89	-1.02
358	5e+12	NDD Unbiased	599.24	597.88	-1.359
359	5e+12	NDD Unbiased	598.56	597.88	-0.68
360	5e+12	NDD Unbiased	598.56	598.22	-0.34
361	1e+13	NDD Unbiased	599.58	596.86	-2.718
362	1e+13	NDD Unbiased	600.59	597.2	-3.397
363	1e+13	NDD Unbiased	600.25	597.88	-2.378
364	1e+13	NDD Unbiased	598.89	595.84	-3.057

NDD vs Post - Pre Exposure Delta

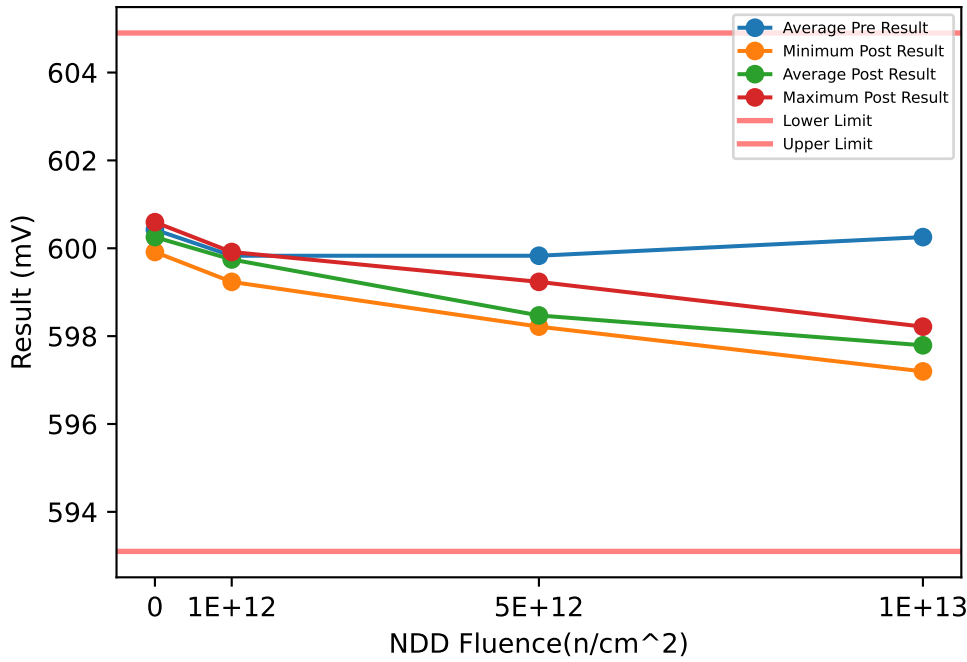


Test Statistics (mV)

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	599.58	599.91	600.25	0.48013	599.91	600.08	600.25	0.23971	0	0.17	0.34	0.24042
1e+12	598.89	599.74	600.25	0.58861	598.56	599.32	599.58	0.5095	-0.679	-0.4245	-0.339	0.16967
5e+12	598.56	599.07	599.91	0.65053	597.88	598.22	598.89	0.48036	-1.359	-0.84975	-0.34	0.43855
1e+13	598.89	599.83	600.59	0.75337	595.84	596.94	597.88	0.8492	-3.397	-2.8875	-2.378	0.43842

Device Test: 13.18 ; VTH_SENSE

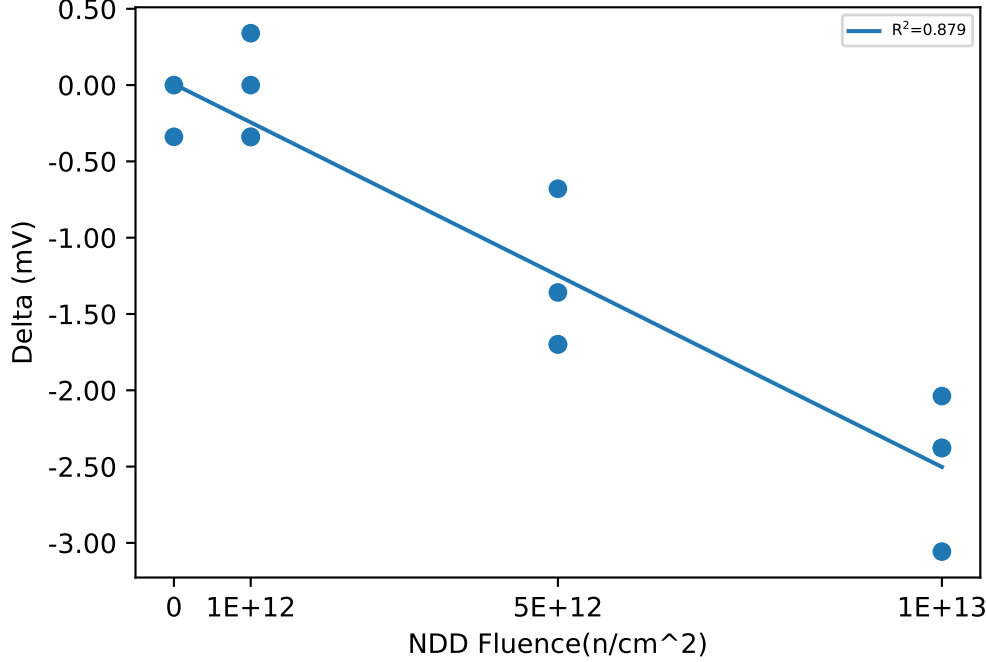
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.25	599.91	-0.339
301	0	Correlation	600.59	600.59	0
353	1e+12	NDD Unbiased	599.58	599.24	-0.34
354	1e+12	NDD Unbiased	599.58	599.91	0.34
355	1e+12	NDD Unbiased	600.25	599.91	-0.339
356	1e+12	NDD Unbiased	599.91	599.91	0
357	5e+12	NDD Unbiased	600.93	599.24	-1.699
358	5e+12	NDD Unbiased	598.89	598.22	-0.679
359	5e+12	NDD Unbiased	599.58	598.22	-1.359
360	5e+12	NDD Unbiased	599.91	598.22	-1.699
361	1e+13	NDD Unbiased	600.25	597.88	-2.378
362	1e+13	NDD Unbiased	601.27	598.22	-3.057
363	1e+13	NDD Unbiased	600.25	597.88	-2.378
364	1e+13	NDD Unbiased	599.24	597.2	-2.038

NDD vs Post - Pre Exposure Delta

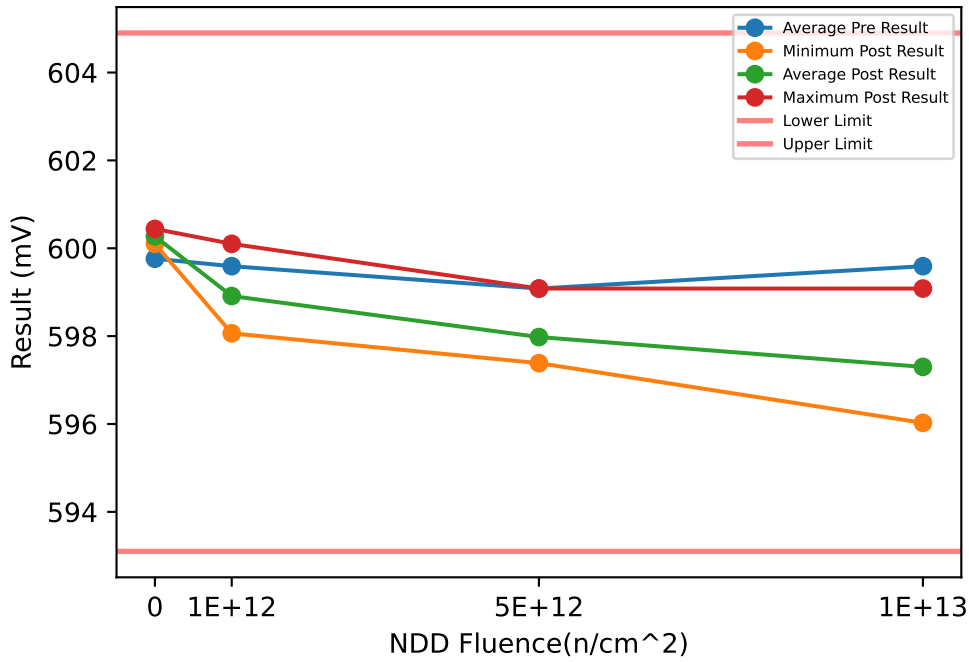


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.25	600.42	600.59	0.24042	599.91	600.25	600.59	0.48013	-0.339	-0.1695	0	0.23971
1e+12	599.58	599.83	600.25	0.32509	599.24	599.75	599.91	0.34	-0.34	-0.08475	0.34	0.32526
5e+12	598.89	599.83	600.93	0.84957	598.22	598.47	599.24	0.5095	-1.699	-1.359	-0.679	0.48083
1e+13	599.24	600.25	601.27	0.83201	597.2	597.79	598.22	0.42736	-3.057	-2.4628	-2.038	0.42736

Device Test: 13.19 ; VTH_SENSE

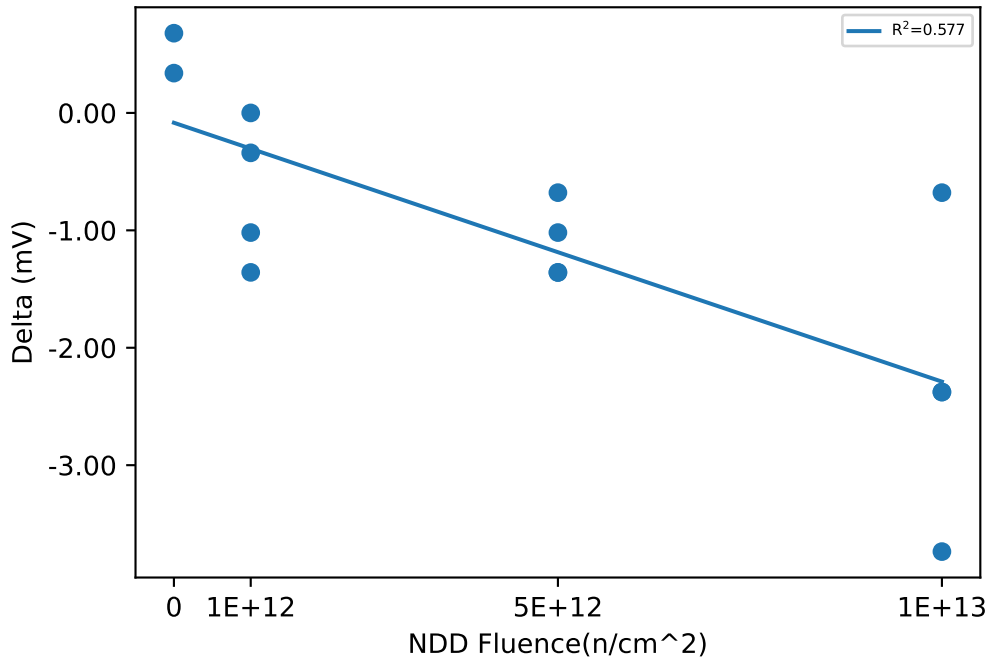
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.76	600.1	0.339
301	0	Correlation	599.76	600.44	0.679
353	1e+12	NDD Unbiased	599.08	598.74	-0.34
354	1e+12	NDD Unbiased	600.1	600.1	0
355	1e+12	NDD Unbiased	600.1	598.74	-1.358
356	1e+12	NDD Unbiased	599.08	598.06	-1.019
357	5e+12	NDD Unbiased	599.76	599.08	-0.679
358	5e+12	NDD Unbiased	599.08	597.72	-1.359
359	5e+12	NDD Unbiased	598.74	597.38	-1.358
360	5e+12	NDD Unbiased	598.74	597.72	-1.019
361	1e+13	NDD Unbiased	598.74	596.37	-2.377
362	1e+13	NDD Unbiased	599.76	599.08	-0.679
363	1e+13	NDD Unbiased	600.1	597.72	-2.377
364	1e+13	NDD Unbiased	599.76	596.03	-3.736

NDD vs Post - Pre Exposure Delta

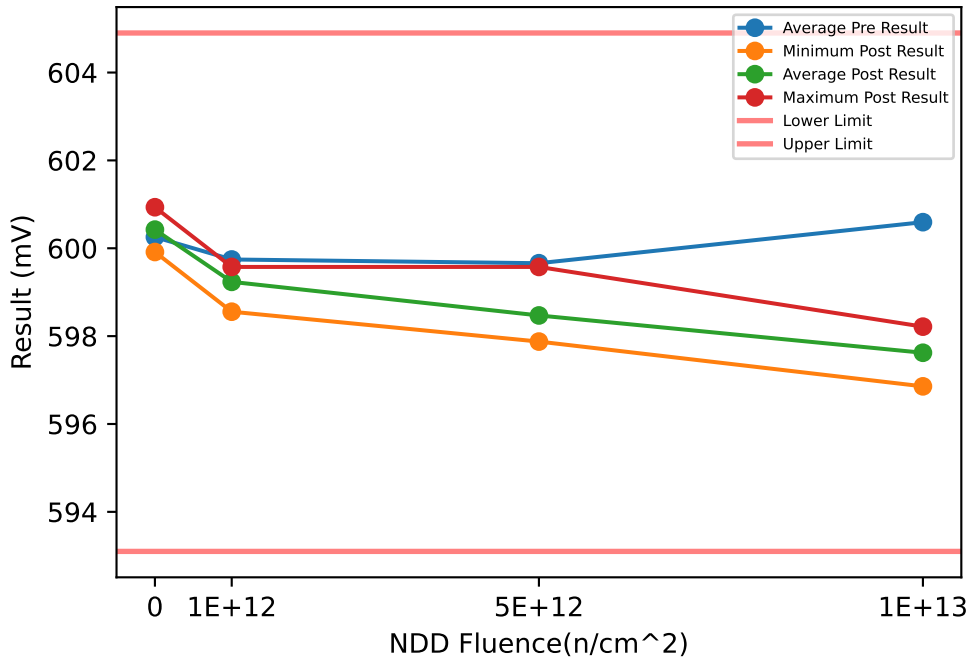


Test Statistics (mV)

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	599.76	599.76	599.76	0	600.1	600.27	600.44	0.24042	0.339	0.509	0.679	0.24042
1e+12	599.08	599.59	600.1	0.58774	598.06	598.91	600.1	0.85439	-1.358	-0.67925	0	0.61984
5e+12	598.74	599.08	599.76	0.48036	597.38	597.98	599.08	0.75315	-1.359	-1.1037	-0.679	0.32526
1e+13	598.74	599.59	600.1	0.58813	596.03	597.3	599.08	1.3969	-3.736	-2.2922	-0.679	1.2518

Device Test: 13.2 ; VTH_SENSE

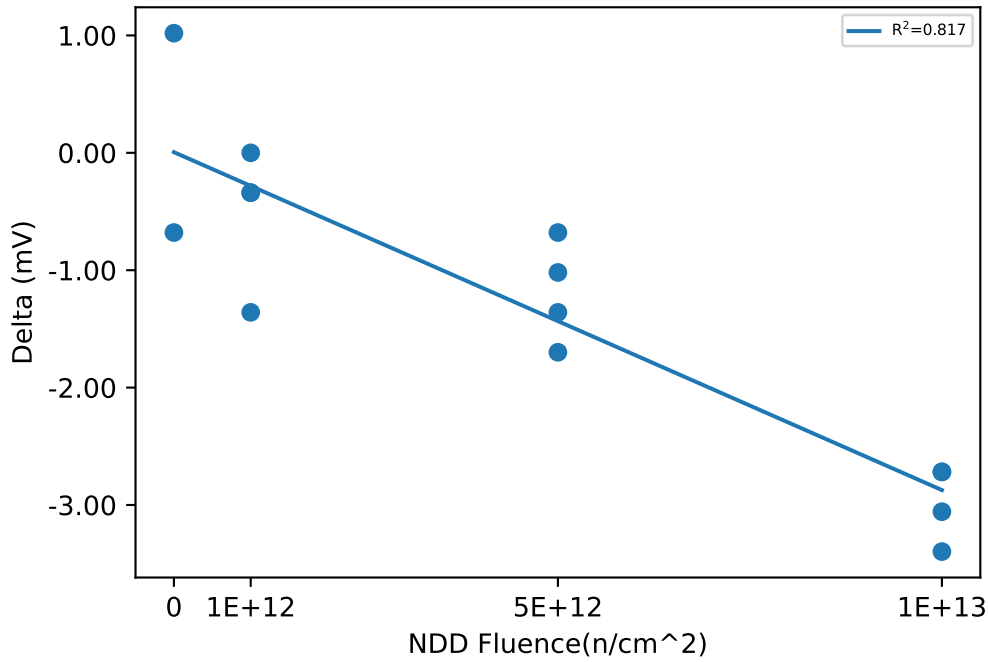
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.59	599.91	-0.679
301	0	Correlation	599.91	600.93	1.019
353	1e+12	NDD Unbiased	598.89	598.56	-0.339
354	1e+12	NDD Unbiased	599.91	599.58	-0.34
355	1e+12	NDD Unbiased	599.58	599.58	0
356	1e+12	NDD Unbiased	600.59	599.24	-1.359
357	5e+12	NDD Unbiased	600.59	599.58	-1.019
358	5e+12	NDD Unbiased	599.24	597.88	-1.359
359	5e+12	NDD Unbiased	599.24	598.56	-0.679
360	5e+12	NDD Unbiased	599.58	597.88	-1.699
361	1e+13	NDD Unbiased	600.59	597.2	-3.397
362	1e+13	NDD Unbiased	601.27	598.22	-3.057
363	1e+13	NDD Unbiased	600.93	598.22	-2.718
364	1e+13	NDD Unbiased	599.58	596.86	-2.718

NDD vs Post - Pre Exposure Delta

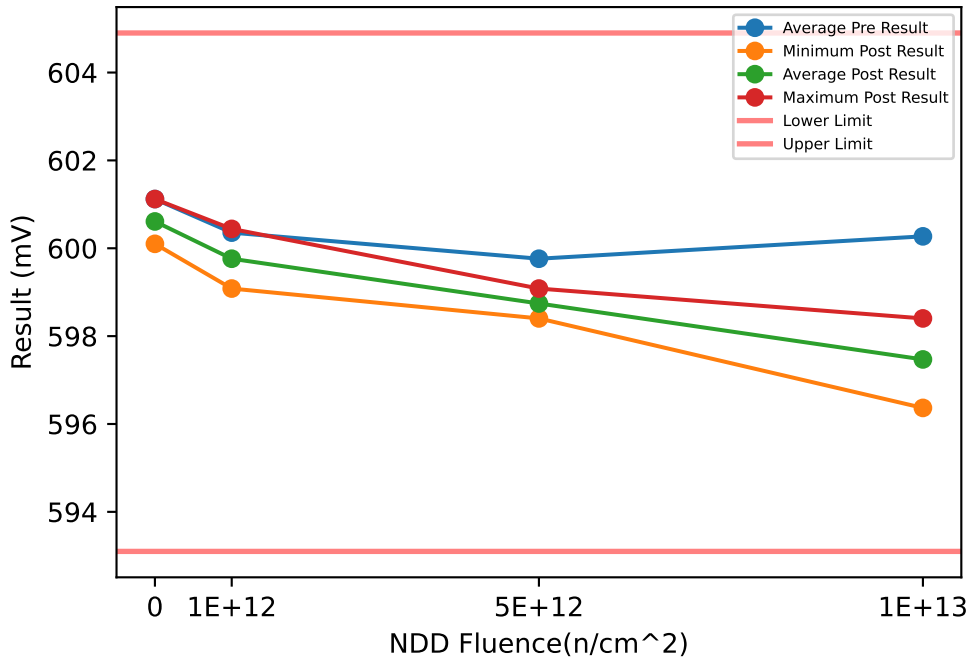


Test Statistics (mV)

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	599.91	600.25	600.59	0.48013	599.91	600.42	600.93	0.72054	-0.679	0.17	1.019	1.2007
1e+12	598.89	599.74	600.59	0.70737	598.56	599.24	599.58	0.48036	-1.359	-0.5095	0	0.58851
5e+12	599.24	599.66	600.59	0.64313	597.88	598.47	599.58	0.80293	-1.699	-1.189	-0.679	0.43894
1e+13	599.58	600.59	601.27	0.73371	596.86	597.62	598.22	0.70036	-3.397	-2.9725	-2.718	0.325

Device Test: 13.20 ; VTH_SENSE

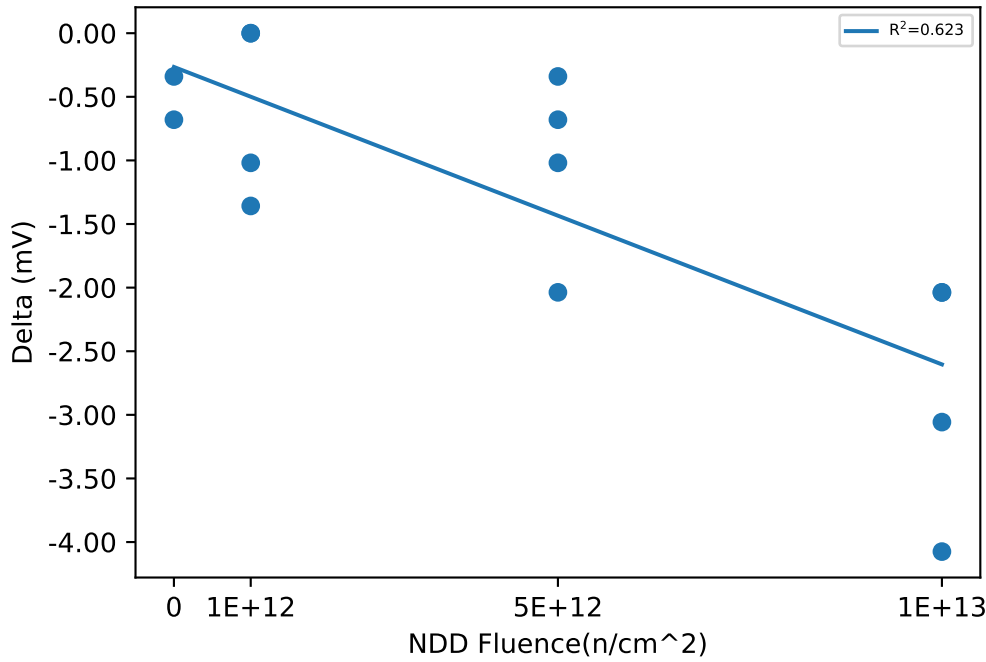
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.44	600.1	-0.34
301	0	Correlation	601.8	601.12	-0.68
353	1e+12	NDD Unbiased	599.42	599.42	0
354	1e+12	NDD Unbiased	601.46	600.44	-1.019
355	1e+12	NDD Unbiased	600.44	599.08	-1.358
356	1e+12	NDD Unbiased	600.1	600.1	0
357	5e+12	NDD Unbiased	601.12	599.08	-2.037
358	5e+12	NDD Unbiased	599.76	598.74	-1.019
359	5e+12	NDD Unbiased	599.08	598.74	-0.34
360	5e+12	NDD Unbiased	599.08	598.4	-0.68
361	1e+13	NDD Unbiased	600.44	596.37	-4.075
362	1e+13	NDD Unbiased	600.78	597.72	-3.057
363	1e+13	NDD Unbiased	600.44	598.4	-2.038
364	1e+13	NDD Unbiased	599.42	597.38	-2.037

NDD vs Post - Pre Exposure Delta

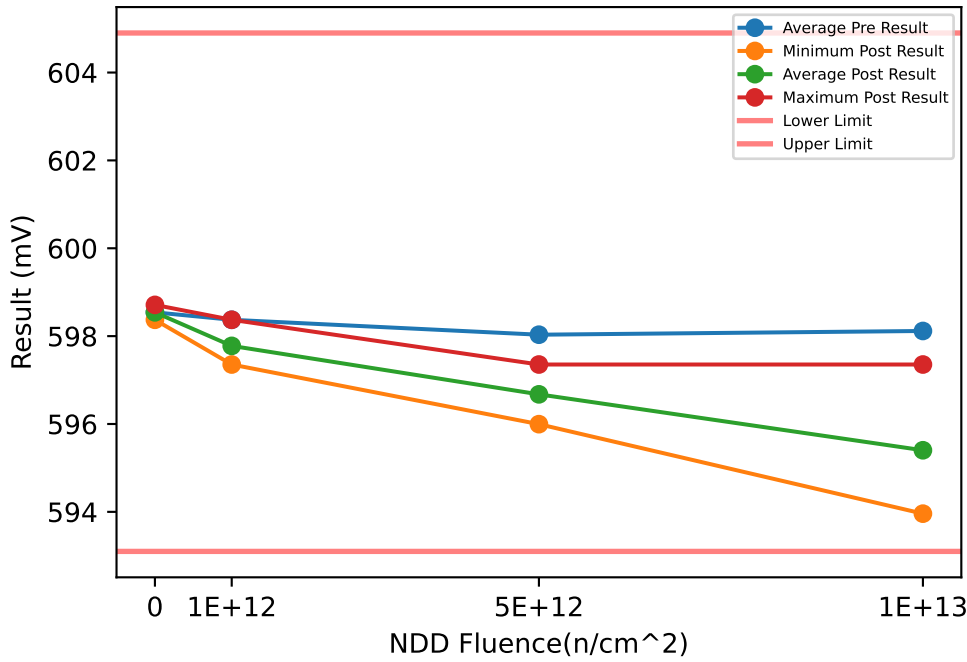


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.44	601.12	601.8	0.96096	600.1	600.61	601.12	0.72054	-0.68	-0.51	-0.34	0.24042
1e+12	599.42	600.36	601.46	0.8492	599.08	599.76	600.44	0.61984	-1.358	-0.59425	0	0.7
5e+12	599.08	599.76	601.12	0.96025	598.4	598.74	599.08	0.27761	-2.037	-1.019	-0.34	0.7331
1e+13	599.42	600.27	600.78	0.58842	596.37	597.47	598.4	0.84873	-4.075	-2.8017	-2.037	0.97544

Device Test: 13.21 ; VTH_SENSE

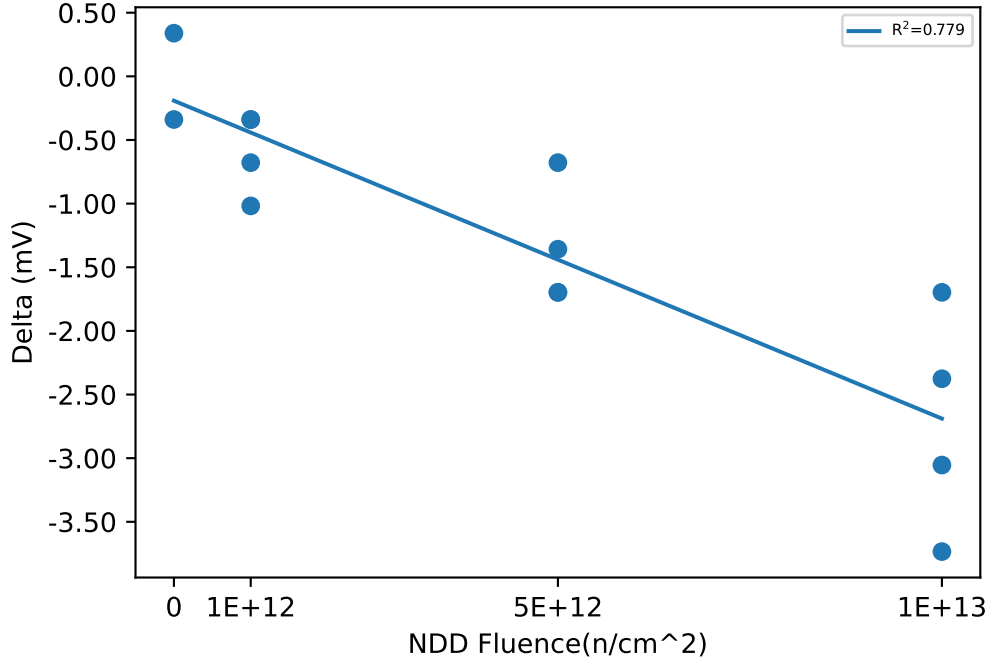
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.71	598.37	-0.339
301	0	Correlation	598.37	598.71	0.339
353	1e+12	NDD Unbiased	598.03	597.35	-0.678
354	1e+12	NDD Unbiased	598.71	598.37	-0.339
355	1e+12	NDD Unbiased	598.37	597.35	-1.018
356	1e+12	NDD Unbiased	598.37	598.03	-0.34
357	5e+12	NDD Unbiased	597.35	596	-1.358
358	5e+12	NDD Unbiased	598.37	596.67	-1.697
359	5e+12	NDD Unbiased	598.03	597.35	-0.678
360	5e+12	NDD Unbiased	598.37	596.67	-1.697
361	1e+13	NDD Unbiased	596.34	593.96	-2.376
362	1e+13	NDD Unbiased	599.05	595.32	-3.734
363	1e+13	NDD Unbiased	599.05	597.35	-1.697
364	1e+13	NDD Unbiased	598.03	594.98	-3.054

NDD vs Post - Pre Exposure Delta

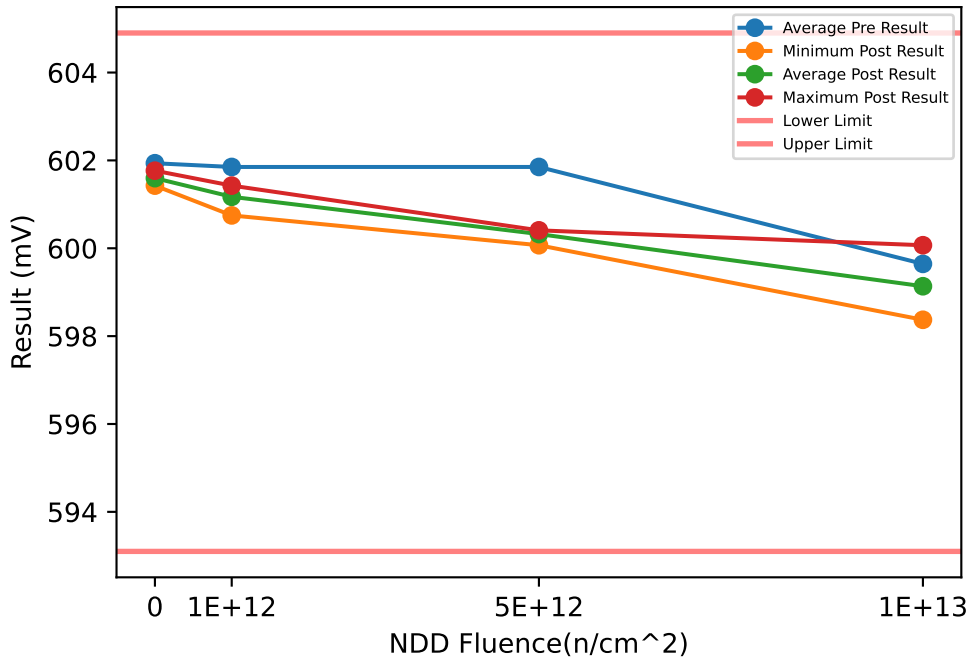


Test Statistics (mV)

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	598.37	598.54	598.71	0.23971	598.37	598.54	598.71	0.23971	-0.339	0	0.339	0.47942
1e+12	598.03	598.37	598.71	0.2772	597.35	597.78	598.37	0.50889	-1.018	-0.59375	-0.339	0.32474
5e+12	597.35	598.03	598.37	0.47989	596	596.67	597.35	0.5544	-1.697	-1.3575	-0.678	0.48036
1e+13	596.34	598.12	599.05	1.2816	593.96	595.4	597.35	1.4236	-3.734	-2.7153	-1.697	0.87646

Device Test: 13.22 ; VTH_SENSE

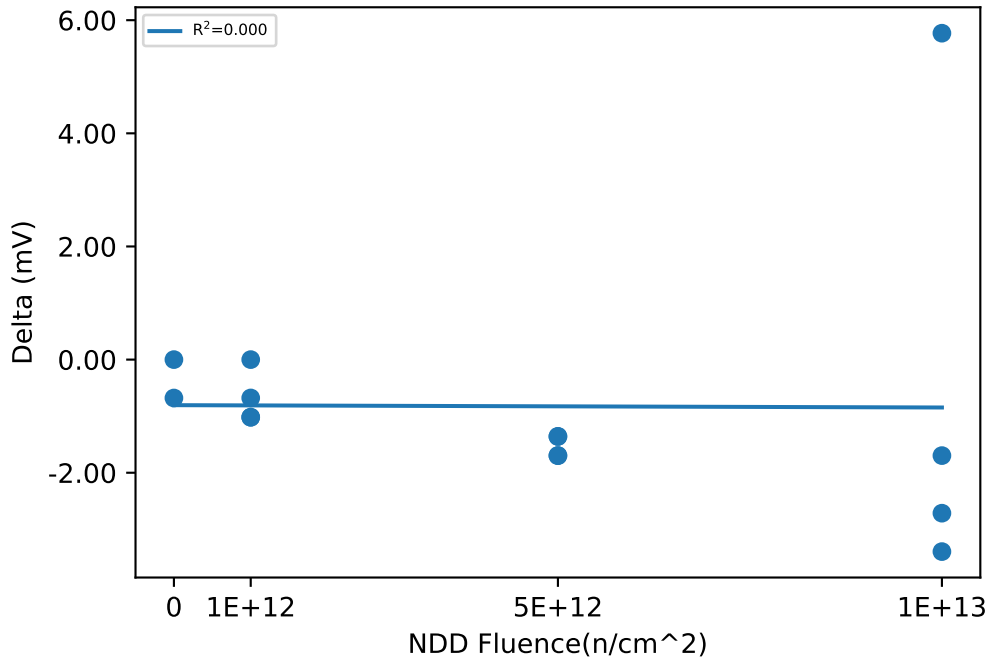
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	601.43	601.43	0
301	0	Correlation	602.45	601.77	-0.679
353	1e+12	NDD Unbiased	601.43	600.75	-0.678
354	1e+12	NDD Unbiased	602.11	601.09	-1.018
355	1e+12	NDD Unbiased	601.43	601.43	0
356	1e+12	NDD Unbiased	602.45	601.43	-1.019
357	5e+12	NDD Unbiased	601.77	600.41	-1.358
358	5e+12	NDD Unbiased	602.11	600.41	-1.697
359	5e+12	NDD Unbiased	601.77	600.07	-1.697
360	5e+12	NDD Unbiased	601.77	600.41	-1.358
361	1e+13	NDD Unbiased	600.07	598.37	-1.697
362	1e+13	NDD Unbiased	594.3	600.07	5.77
363	1e+13	NDD Unbiased	602.78	599.39	-3.394
364	1e+13	NDD Unbiased	601.43	598.71	-2.715

NDD vs Post - Pre Exposure Delta

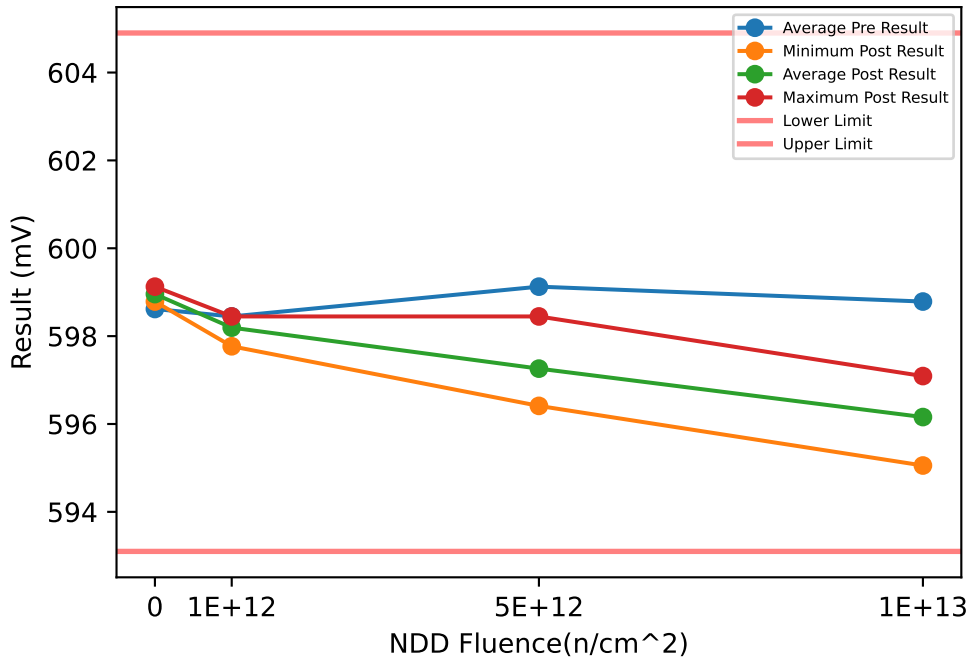


Test Statistics (mV)

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	601.43	601.94	602.45	0.72054	601.43	601.6	601.77	0.24042	-0.679	-0.3395	0	0.48013
1e+12	601.43	601.85	602.45	0.50944	600.75	601.17	601.43	0.32457	-1.019	-0.67875	0	0.48013
5e+12	601.77	601.85	602.11	0.1695	600.07	600.32	600.41	0.1695	-1.697	-1.5275	-1.358	0.19572
1e+13	594.3	599.64	602.78	3.7321	598.37	599.14	600.07	0.75262	-3.394	-0.509	5.77	4.2437

Device Test: 13.23 ; VTH_SENSE

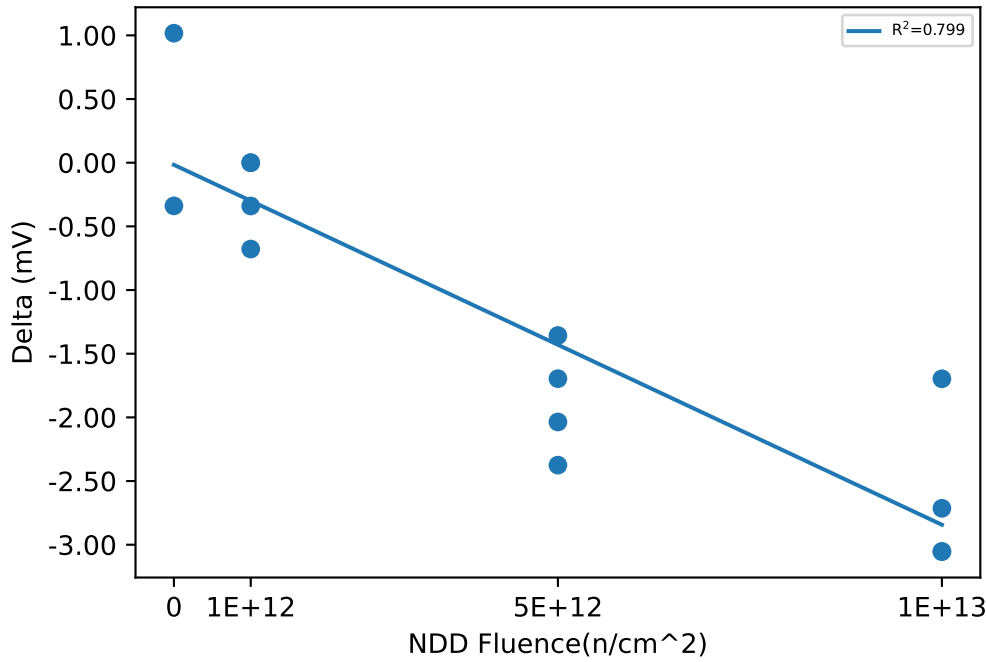
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.13	598.79	-0.339
301	0	Correlation	598.11	599.13	1.017
353	1e+12	NDD Unbiased	598.11	597.77	-0.34
354	1e+12	NDD Unbiased	598.11	598.11	0
355	1e+12	NDD Unbiased	598.45	598.45	0
356	1e+12	NDD Unbiased	599.13	598.45	-0.678
357	5e+12	NDD Unbiased	600.14	598.45	-1.696
358	5e+12	NDD Unbiased	598.79	596.41	-2.375
359	5e+12	NDD Unbiased	599.13	597.77	-1.357
360	5e+12	NDD Unbiased	598.45	596.41	-2.036
361	1e+13	NDD Unbiased	599.13	596.07	-3.053
362	1e+13	NDD Unbiased	598.11	596.41	-1.697
363	1e+13	NDD Unbiased	599.8	597.09	-2.714
364	1e+13	NDD Unbiased	598.11	595.05	-3.054

NDD vs Post - Pre Exposure Delta

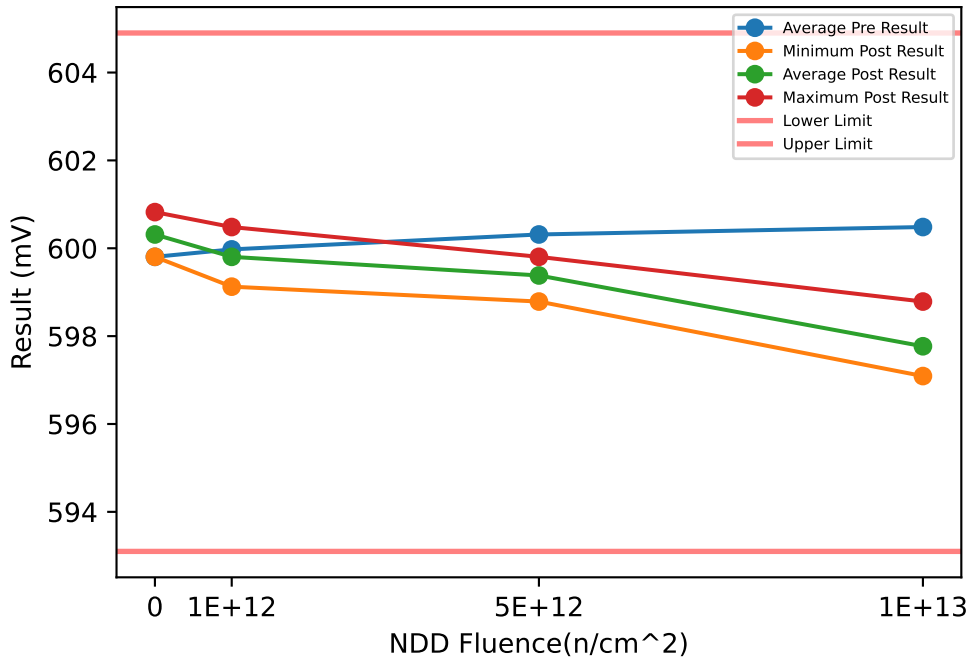


Test Statistics (mV)

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	598.11	598.62	599.13	0.71913	598.79	598.96	599.13	0.23971	-0.339	0.339	1.017	0.95884
1e+12	598.11	598.45	599.13	0.47942	597.77	598.19	598.45	0.325	-0.678	-0.2545	0	0.32466
5e+12	598.45	599.13	600.14	0.73279	596.41	597.26	598.45	1.0179	-2.375	-1.866	-1.357	0.43816
1e+13	598.11	598.79	599.8	0.83079	595.05	596.16	597.09	0.8483	-3.054	-2.6295	-1.697	0.64194

Device Test: 13.24 ; VTH_SENSE

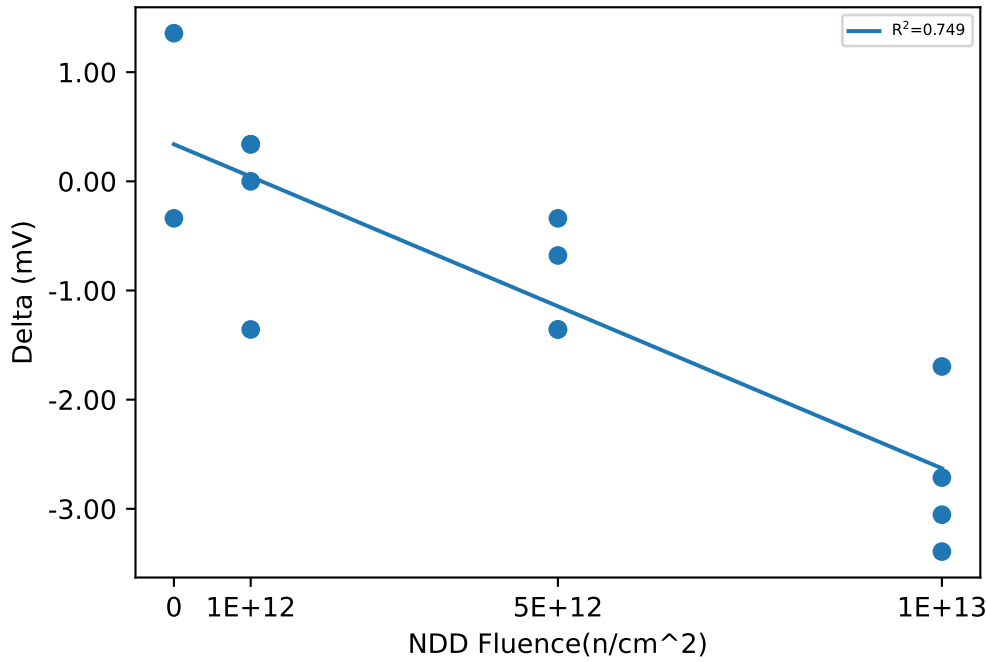
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.14	599.8	-0.339
301	0	Correlation	599.47	600.82	1.357
353	1e+12	NDD Unbiased	599.13	599.47	0.34
354	1e+12	NDD Unbiased	600.48	599.13	-1.357
355	1e+12	NDD Unbiased	600.14	600.14	0
356	1e+12	NDD Unbiased	600.14	600.48	0.339
357	5e+12	NDD Unbiased	601.16	599.8	-1.357
358	5e+12	NDD Unbiased	599.47	598.79	-0.679
359	5e+12	NDD Unbiased	599.8	599.47	-0.339
360	5e+12	NDD Unbiased	600.82	599.47	-1.357
361	1e+13	NDD Unbiased	600.82	597.77	-3.054
362	1e+13	NDD Unbiased	600.48	597.09	-3.392
363	1e+13	NDD Unbiased	600.48	598.79	-1.696
364	1e+13	NDD Unbiased	600.14	597.43	-2.714

NDD vs Post - Pre Exposure Delta

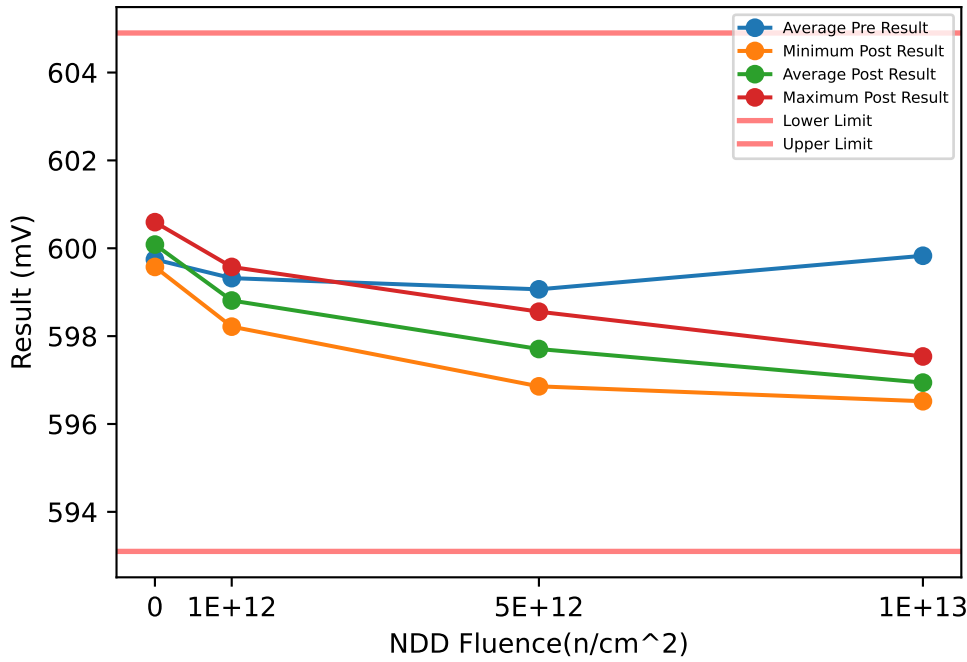


Test Statistics (mV)

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	599.47	599.81	600.14	0.47942	599.8	600.31	600.82	0.71983	-0.339	0.509	1.357	1.1993
1e+12	599.13	599.97	600.48	0.58765	599.13	599.8	600.48	0.61929	-1.357	-0.1695	0.34	0.80768
5e+12	599.47	600.31	601.16	0.80754	598.79	599.38	599.8	0.42703	-1.357	-0.933	-0.339	0.50889
1e+13	600.14	600.48	600.82	0.2772	597.09	597.77	598.79	0.73279	-3.392	-2.714	-1.696	0.73294

Device Test: 13.25 ; VTH_SENSE

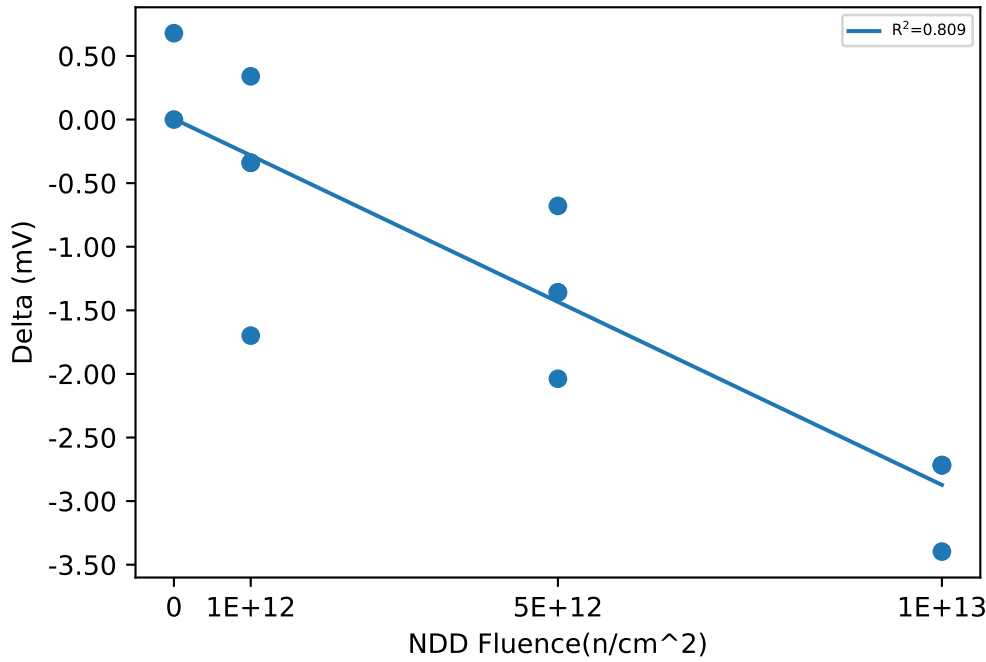
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.91	600.59	0.679
301	0	Correlation	599.58	599.58	0
353	1e+12	NDD Unbiased	599.24	598.89	-0.34
354	1e+12	NDD Unbiased	599.91	598.22	-1.699
355	1e+12	NDD Unbiased	598.89	598.56	-0.339
356	1e+12	NDD Unbiased	599.24	599.58	0.34
357	5e+12	NDD Unbiased	599.91	598.56	-1.359
358	5e+12	NDD Unbiased	598.89	596.86	-2.038
359	5e+12	NDD Unbiased	598.89	598.22	-0.679
360	5e+12	NDD Unbiased	598.56	597.2	-1.359
361	1e+13	NDD Unbiased	599.58	596.86	-2.718
362	1e+13	NDD Unbiased	600.25	596.86	-3.397
363	1e+13	NDD Unbiased	600.25	597.54	-2.717
364	1e+13	NDD Unbiased	599.24	596.52	-2.717

NDD vs Post - Pre Exposure Delta

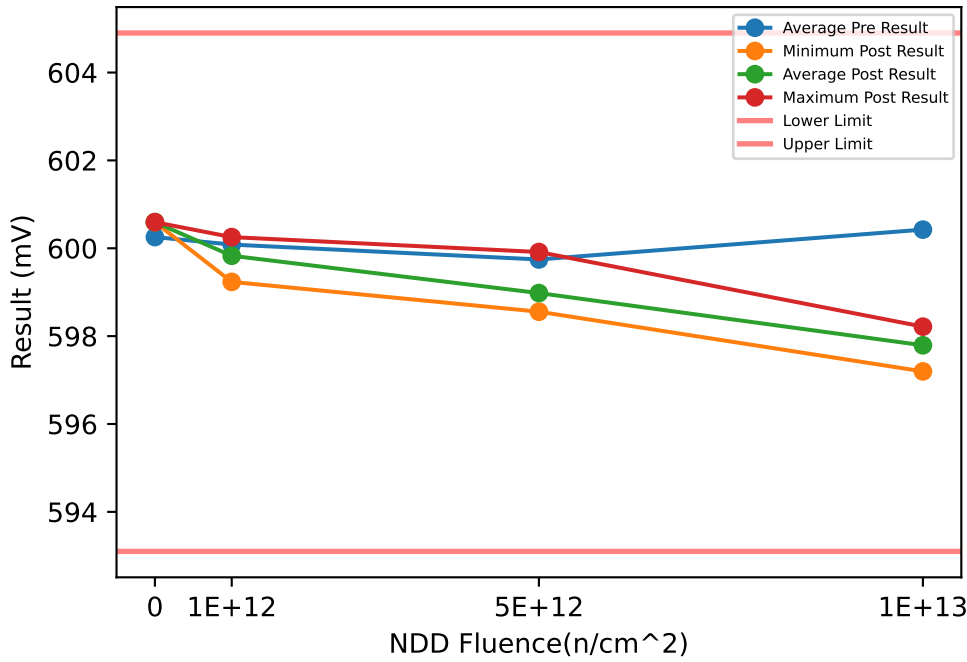


Test Statistics (mV)

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	599.58	599.75	599.91	0.24042	599.58	600.08	600.59	0.72054	0	0.3395	0.679	0.48013
1e+12	598.89	599.32	599.91	0.42782	598.22	598.81	599.58	0.58017	-1.699	-0.5095	0.34	0.85525
5e+12	598.56	599.07	599.91	0.58861	596.86	597.71	598.56	0.8088	-2.038	-1.3587	-0.679	0.55481
1e+13	599.24	599.83	600.25	0.50944	596.52	596.94	597.54	0.42749	-3.397	-2.8873	-2.717	0.33983

Device Test: 13.26 ; VTH_SENSE

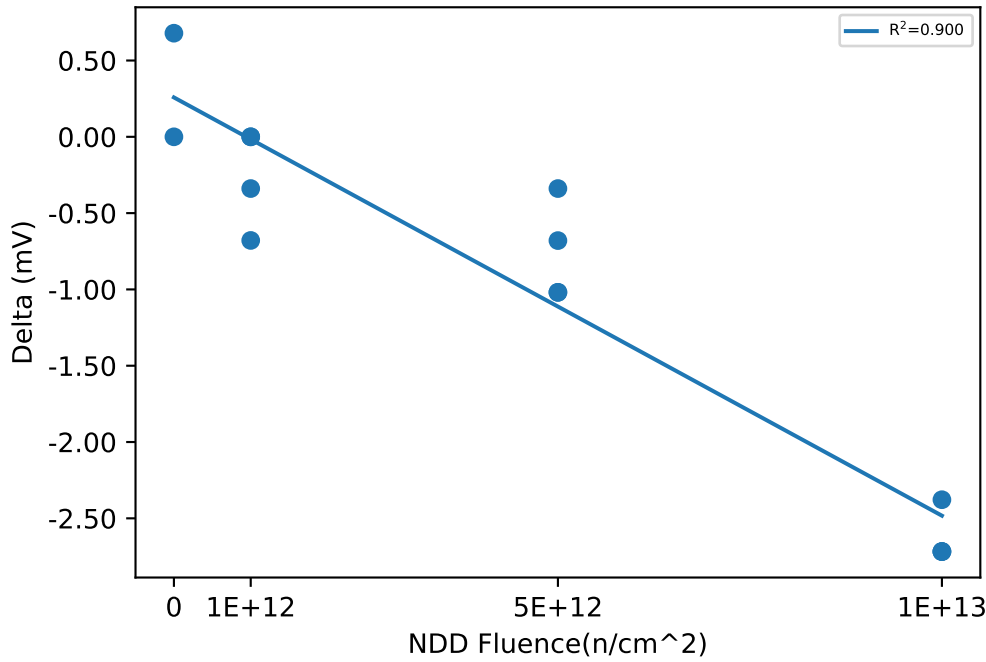
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.91	600.59	0.679
301	0	Correlation	600.59	600.59	0
353	1e+12	NDD Unbiased	599.24	599.24	0
354	1e+12	NDD Unbiased	600.59	599.91	-0.679
355	1e+12	NDD Unbiased	600.25	599.91	-0.339
356	1e+12	NDD Unbiased	600.25	600.25	0
357	5e+12	NDD Unbiased	600.93	599.91	-1.019
358	5e+12	NDD Unbiased	598.89	598.56	-0.339
359	5e+12	NDD Unbiased	599.58	598.89	-0.68
360	5e+12	NDD Unbiased	599.58	598.56	-1.019
361	1e+13	NDD Unbiased	600.25	597.54	-2.717
362	1e+13	NDD Unbiased	600.93	598.22	-2.718
363	1e+13	NDD Unbiased	600.59	598.22	-2.378
364	1e+13	NDD Unbiased	599.91	597.2	-2.718

NDD vs Post - Pre Exposure Delta

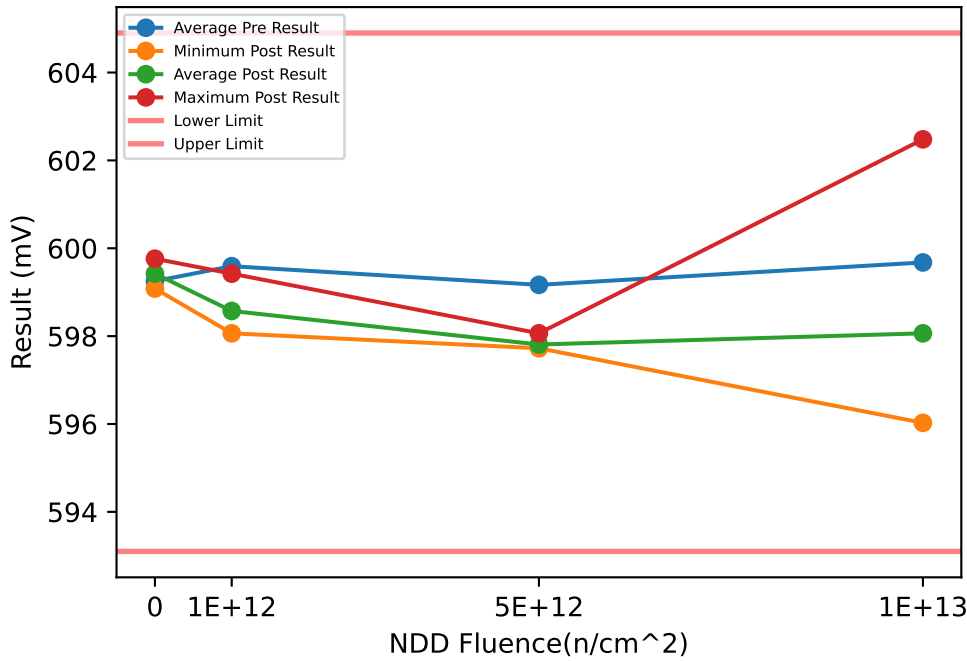


Test Statistics (mV)

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	599.91	600.25	600.59	0.48013	600.59	600.59	600.59	0	0	0.3395	0.679	0.48013
1e+12	599.24	600.08	600.59	0.58842	599.24	599.83	600.25	0.42749	-0.679	-0.2545	0	0.325
5e+12	598.89	599.74	600.93	0.85518	598.56	598.98	599.91	0.64317	-1.019	-0.76425	-0.339	0.32544
1e+13	599.91	600.42	600.93	0.43855	597.2	597.79	598.22	0.50944	-2.718	-2.6327	-2.378	0.16983

Device Test: 13.27 ; VTH_SENSE

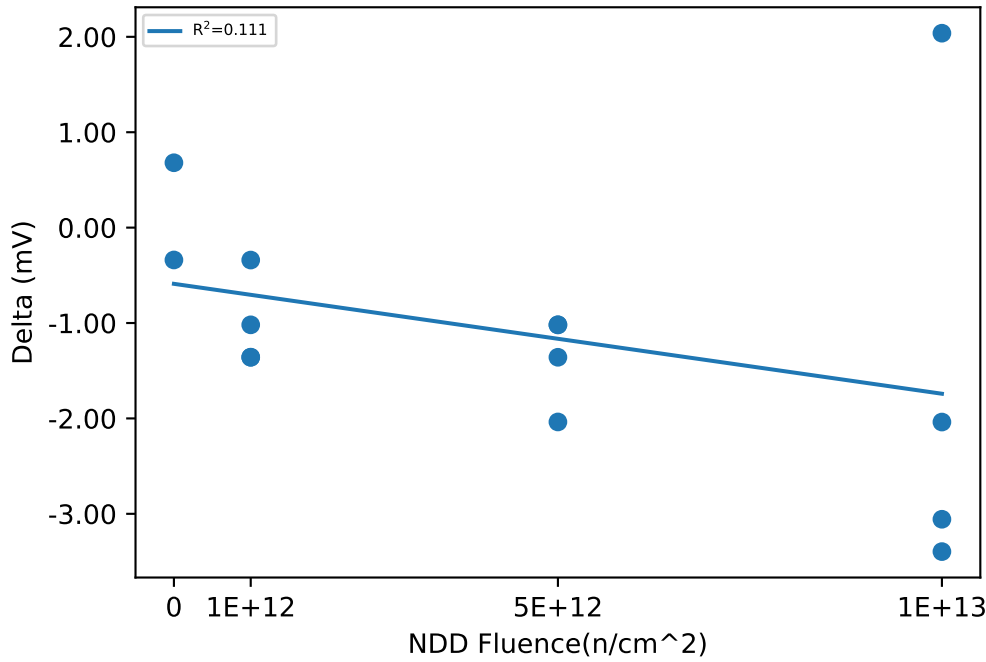
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.4	599.08	0.68
301	0	Correlation	600.1	599.76	-0.339
353	1e+12	NDD Unbiased	598.74	598.4	-0.34
354	1e+12	NDD Unbiased	600.78	599.42	-1.359
355	1e+12	NDD Unbiased	599.42	598.06	-1.358
356	1e+12	NDD Unbiased	599.42	598.4	-1.019
357	5e+12	NDD Unbiased	600.1	598.06	-2.037
358	5e+12	NDD Unbiased	598.74	597.72	-1.019
359	5e+12	NDD Unbiased	599.08	597.72	-1.359
360	5e+12	NDD Unbiased	598.74	597.72	-1.019
361	1e+13	NDD Unbiased	599.42	596.03	-3.396
362	1e+13	NDD Unbiased	599.08	597.04	-2.038
363	1e+13	NDD Unbiased	600.44	602.48	2.038
364	1e+13	NDD Unbiased	599.76	596.71	-3.057

NDD vs Post - Pre Exposure Delta

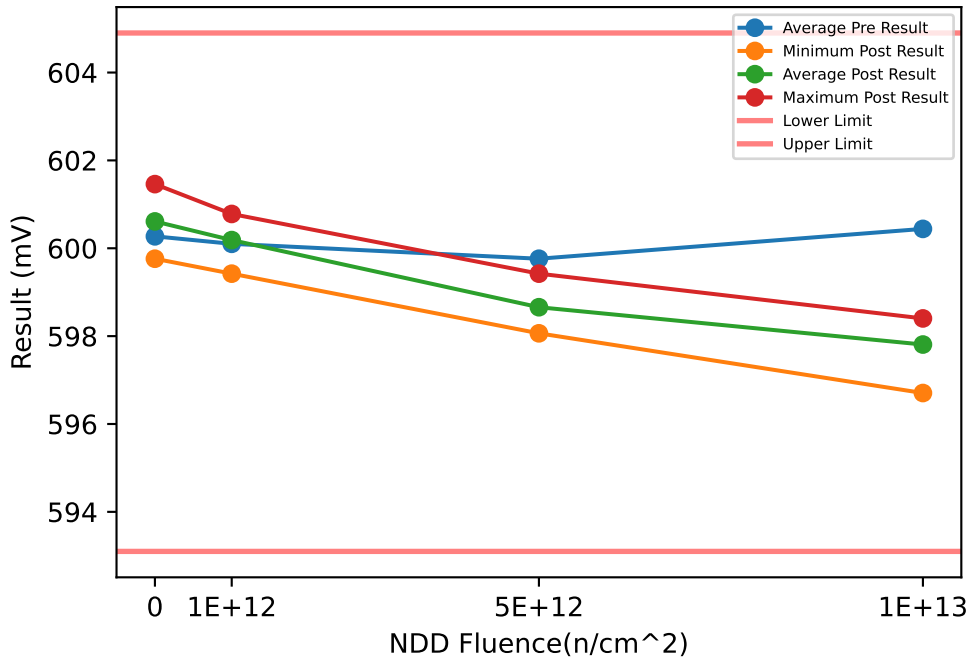


Test Statistics (mV)

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	598.4	599.25	600.1	1.2007	599.08	599.42	599.76	0.48013	-0.339	0.1705	0.68	0.72054
1e+12	598.74	599.59	600.78	0.85485	598.06	598.57	599.42	0.58813	-1.359	-1.019	-0.34	0.48013
5e+12	598.74	599.17	600.1	0.64264	597.72	597.81	598.06	0.17	-2.037	-1.3585	-1.019	0.47989
1e+13	599.08	599.68	600.44	0.57988	596.03	598.06	602.48	2.9738	-3.396	-1.6132	2.038	2.5016

Device Test: 13.28 ; VTH_SENSE

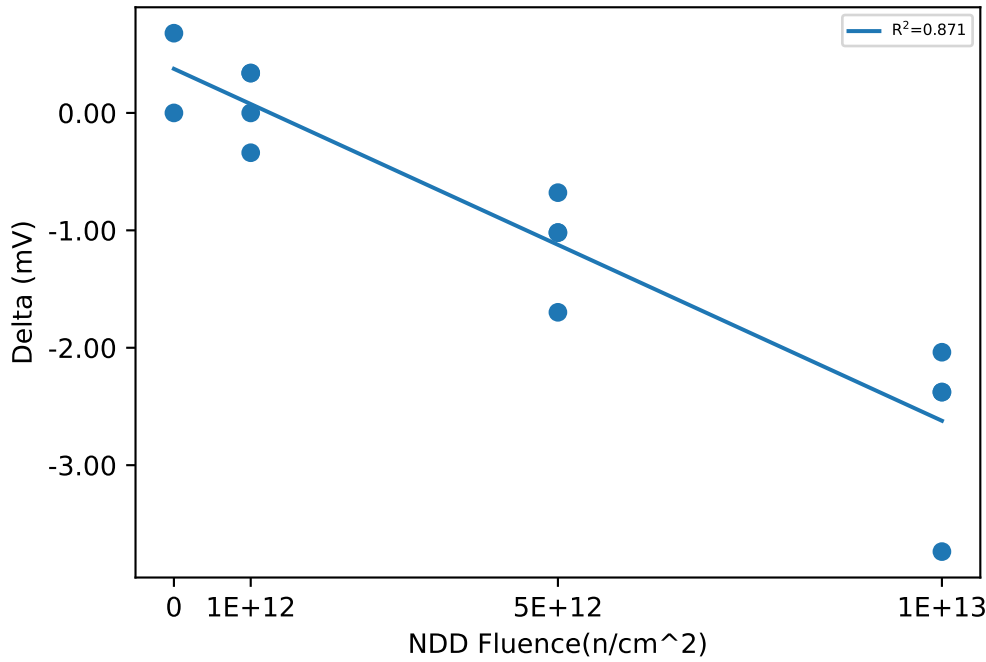
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.76	599.76	0
301	0	Correlation	600.78	601.46	0.679
353	1e+12	NDD Unbiased	599.08	599.42	0.339
354	1e+12	NDD Unbiased	601.12	600.78	-0.339
355	1e+12	NDD Unbiased	600.1	600.1	0
356	1e+12	NDD Unbiased	600.1	600.44	0.34
357	5e+12	NDD Unbiased	601.12	599.42	-1.698
358	5e+12	NDD Unbiased	599.76	598.74	-1.019
359	5e+12	NDD Unbiased	598.74	598.06	-0.679
360	5e+12	NDD Unbiased	599.42	598.4	-1.019
361	1e+13	NDD Unbiased	600.1	597.72	-2.377
362	1e+13	NDD Unbiased	600.44	598.4	-2.038
363	1e+13	NDD Unbiased	600.78	598.4	-2.378
364	1e+13	NDD Unbiased	600.44	596.71	-3.736

NDD vs Post - Pre Exposure Delta

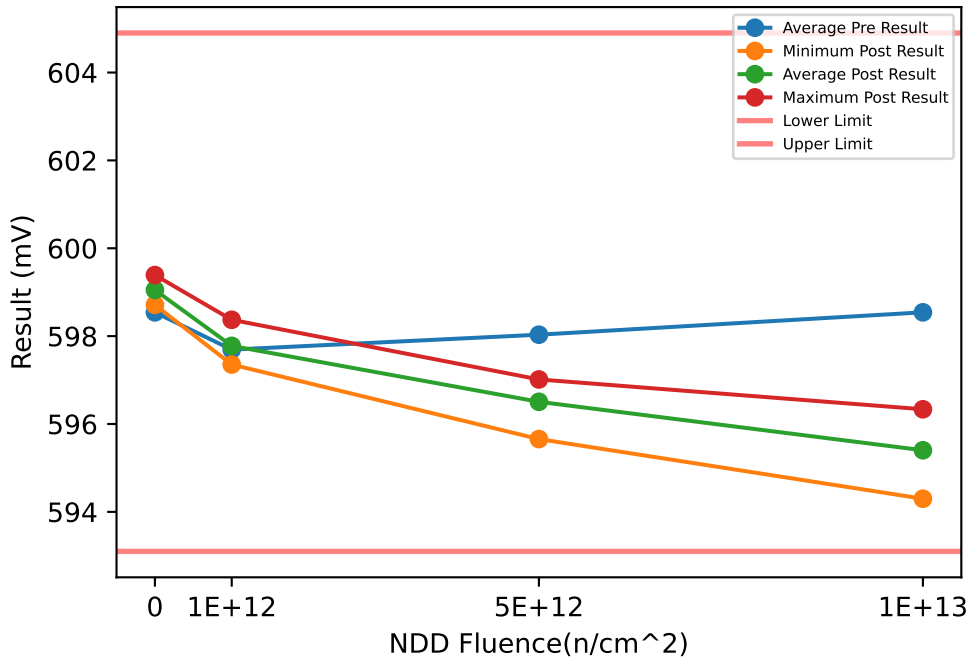


Test Statistics (mV)

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	599.76	600.27	600.78	0.72054	599.76	600.61	601.46	1.2007	0	0.3395	0.679	0.48013
1e+12	599.08	600.1	601.12	0.8316	599.42	600.19	600.78	0.58022	-0.339	0.085	0.34	0.32483
5e+12	598.74	599.76	601.12	0.99969	598.06	598.66	599.42	0.57988	-1.698	-1.1037	-0.679	0.42736
1e+13	600.1	600.44	600.78	0.27761	596.71	597.81	598.4	0.80244	-3.736	-2.6322	-2.038	0.75304

Device Test: 13.29 ; VTH_SENSE

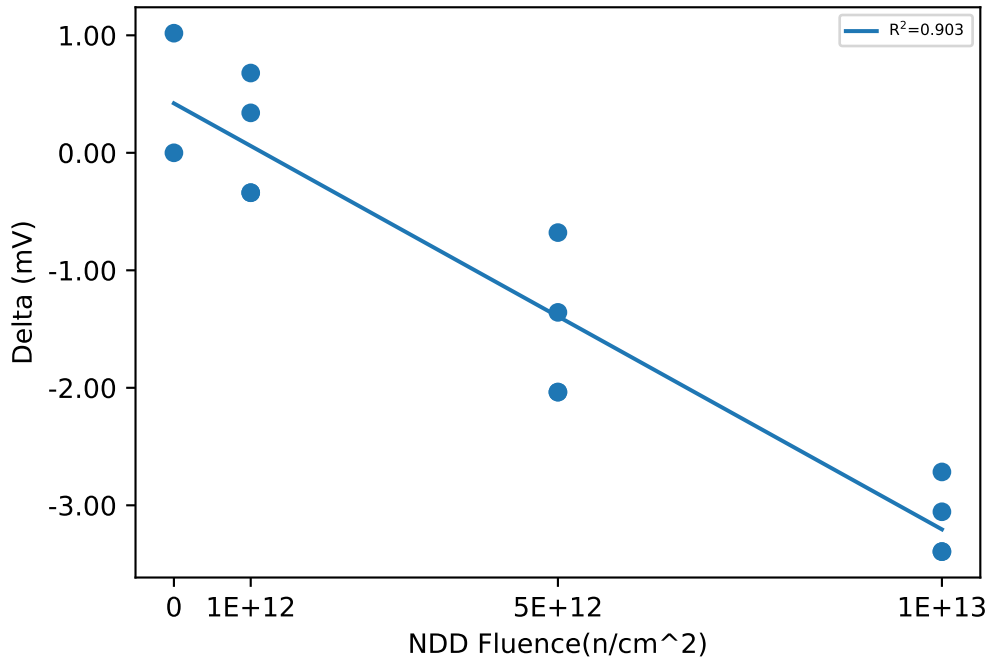
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.71	598.71	0
301	0	Correlation	598.37	599.39	1.018
353	1e+12	NDD Unbiased	596.67	597.35	0.679
354	1e+12	NDD Unbiased	597.69	597.35	-0.339
355	1e+12	NDD Unbiased	598.03	598.37	0.34
356	1e+12	NDD Unbiased	598.37	598.03	-0.34
357	5e+12	NDD Unbiased	597.69	595.66	-2.036
358	5e+12	NDD Unbiased	597.69	597.01	-0.679
359	5e+12	NDD Unbiased	598.37	596.34	-2.037
360	5e+12	NDD Unbiased	598.37	597.01	-1.358
361	1e+13	NDD Unbiased	597.35	594.3	-3.055
362	1e+13	NDD Unbiased	599.05	596.34	-2.716
363	1e+13	NDD Unbiased	599.39	596	-3.394
364	1e+13	NDD Unbiased	598.37	594.98	-3.394

NDD vs Post - Pre Exposure Delta

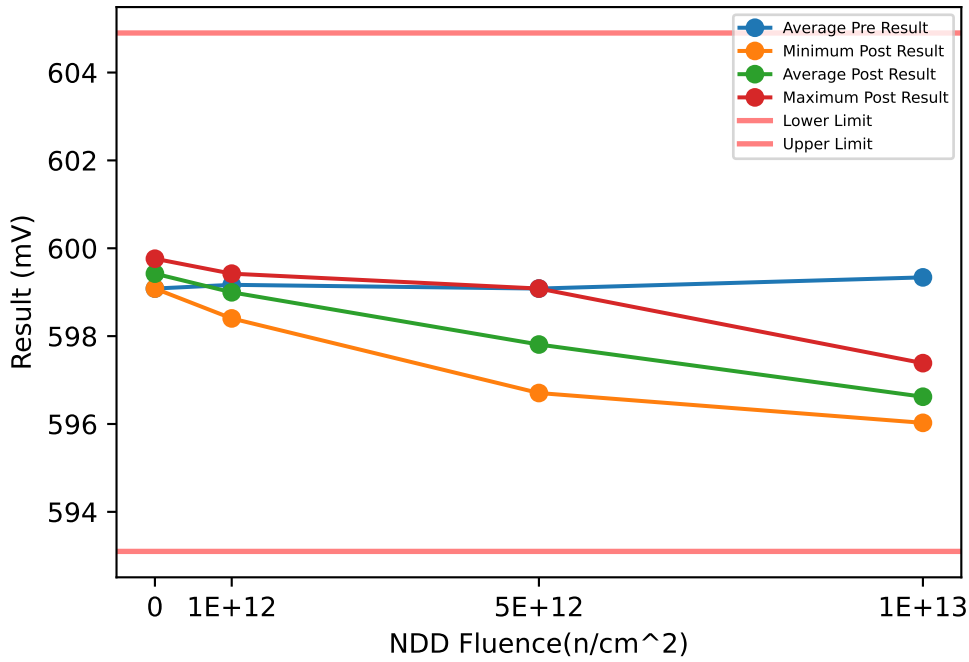


Test Statistics (mV)

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	598.37	598.54	598.71	0.23971	598.71	599.05	599.39	0.48013	0	0.509	1.018	0.71983
1e+12	596.67	597.69	598.37	0.7331	597.35	597.78	598.37	0.50889	-0.34	0.085	0.679	0.50933
5e+12	597.69	598.03	598.37	0.39202	595.66	596.5	597.01	0.64966	-2.037	-1.5275	-0.679	0.64983
1e+13	597.35	598.54	599.39	0.89785	594.3	595.4	596.34	0.93447	-3.394	-3.1398	-2.716	0.32457

Device Test: 13.3 ; VTH_SENSE

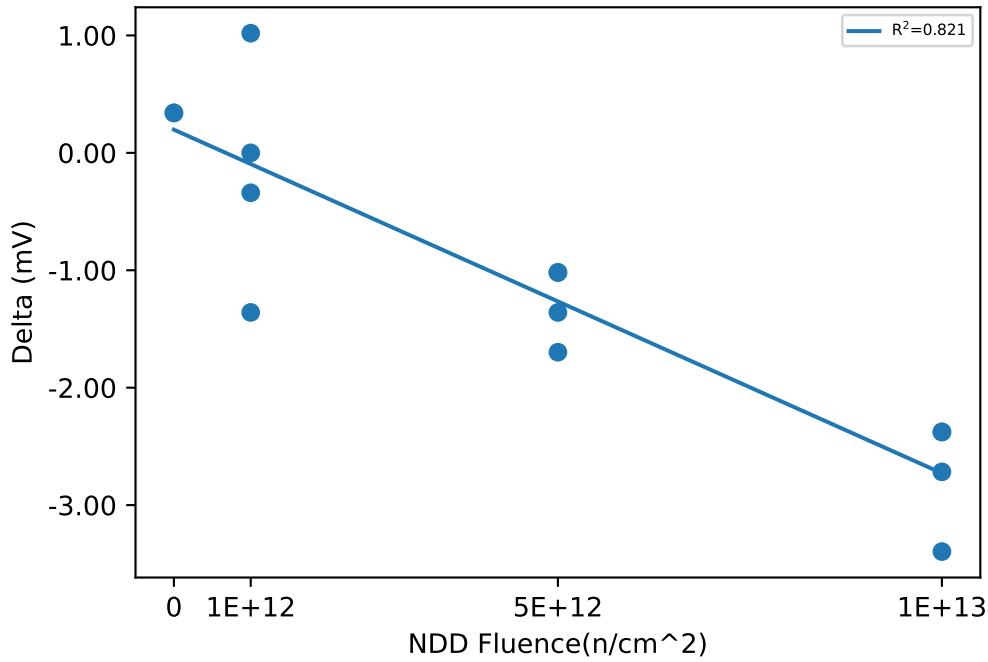
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.74	599.08	0.34
301	0	Correlation	599.42	599.76	0.34
353	1e+12	NDD Unbiased	598.06	599.08	1.019
354	1e+12	NDD Unbiased	599.76	599.42	-0.34
355	1e+12	NDD Unbiased	599.76	598.4	-1.359
356	1e+12	NDD Unbiased	599.08	599.08	0
357	5e+12	NDD Unbiased	600.1	599.08	-1.018
358	5e+12	NDD Unbiased	598.74	597.72	-1.019
359	5e+12	NDD Unbiased	599.08	597.72	-1.359
360	5e+12	NDD Unbiased	598.4	596.71	-1.698
361	1e+13	NDD Unbiased	598.74	596.37	-2.377
362	1e+13	NDD Unbiased	599.42	596.71	-2.717
363	1e+13	NDD Unbiased	599.76	597.38	-2.377
364	1e+13	NDD Unbiased	599.42	596.03	-3.396

NDD vs Post - Pre Exposure Delta

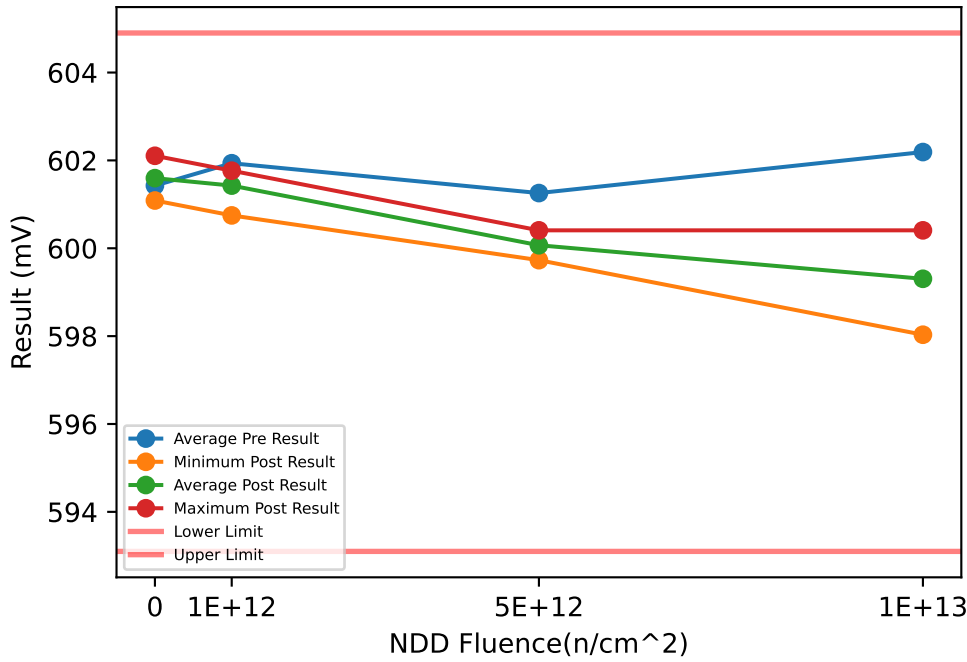


Test Statistics (mV)

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	598.74	599.08	599.42	0.48013	599.08	599.42	599.76	0.48013	0.34	0.34	0.34	0
1e+12	598.06	599.17	599.76	0.80244	598.4	599	599.42	0.42749	-1.359	-0.17	1.019	0.98069
5e+12	598.4	599.08	600.1	0.73356	596.71	597.81	599.08	0.97576	-1.698	-1.2735	-1.018	0.32535
1e+13	598.74	599.34	599.76	0.42736	596.03	596.62	597.38	0.58017	-3.396	-2.7168	-2.377	0.48036

Device Test: 13.30 ; VTH_SENSE

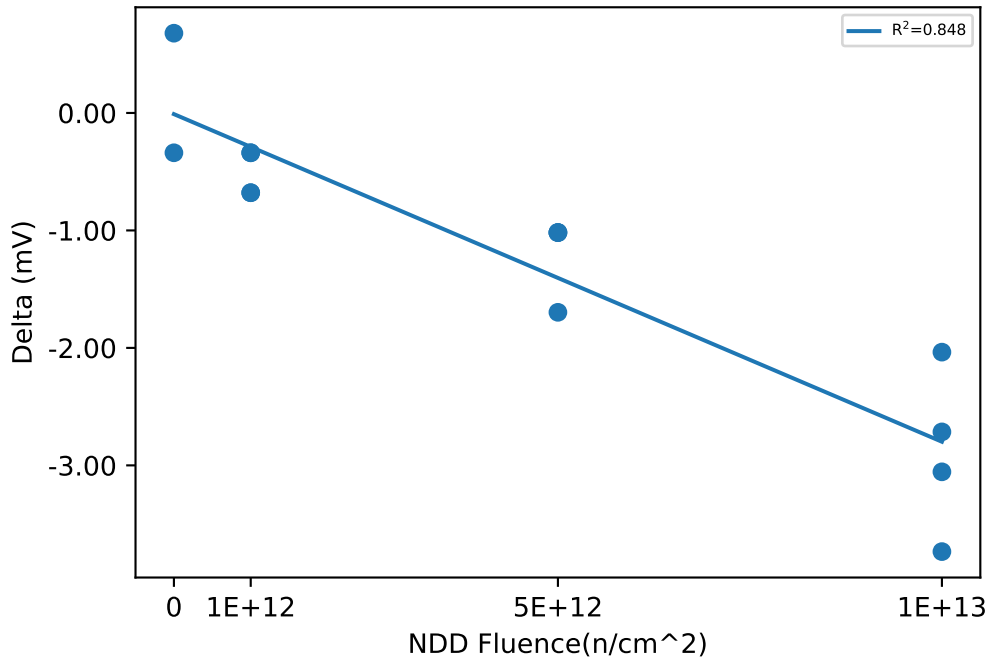
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	601.43	602.11	0.679
301	0	Correlation	601.43	601.09	-0.339
353	1e+12	NDD Unbiased	601.09	600.75	-0.339
354	1e+12	NDD Unbiased	602.11	601.43	-0.679
355	1e+12	NDD Unbiased	602.45	601.77	-0.679
356	1e+12	NDD Unbiased	602.11	601.77	-0.339
357	5e+12	NDD Unbiased	601.09	600.07	-1.018
358	5e+12	NDD Unbiased	601.09	600.07	-1.018
359	5e+12	NDD Unbiased	601.43	599.73	-1.697
360	5e+12	NDD Unbiased	601.43	600.41	-1.018
361	1e+13	NDD Unbiased	601.43	599.39	-2.036
362	1e+13	NDD Unbiased	602.45	599.39	-3.055
363	1e+13	NDD Unbiased	603.12	600.41	-2.715
364	1e+13	NDD Unbiased	601.77	598.03	-3.734

NDD vs Post - Pre Exposure Delta

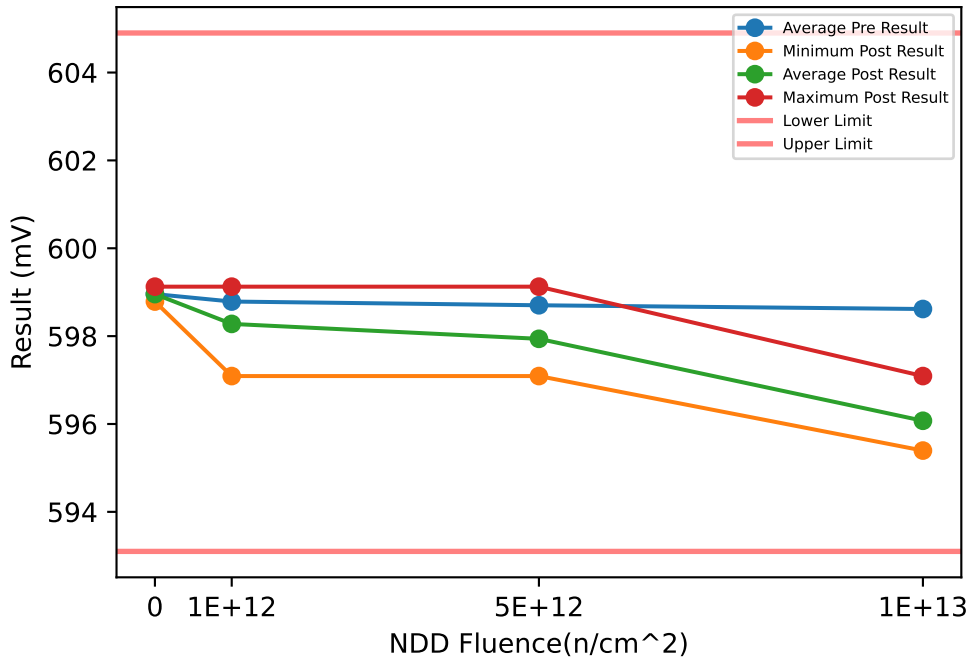


Test Statistics (mV)

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	601.43	601.43	601.43	0	601.09	601.6	602.11	0.71983	-0.339	0.17	0.679	0.71983
1e+12	601.09	601.94	602.45	0.58794	600.75	601.43	601.77	0.47989	-0.679	-0.509	-0.339	0.1963
5e+12	601.09	601.26	601.43	0.19572	599.73	600.07	600.41	0.2772	-1.697	-1.1878	-1.018	0.3395
1e+13	601.43	602.19	603.12	0.75255	598.03	599.31	600.41	0.97495	-3.734	-2.885	-2.036	0.70697

Device Test: 13.31 ; VTH_SENSE

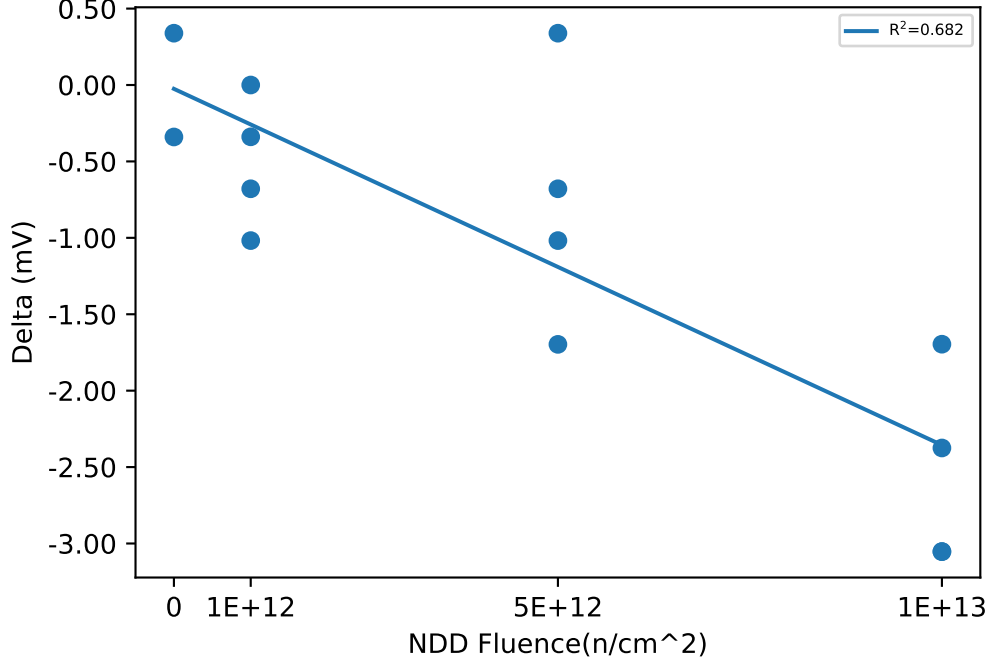
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.47	599.13	-0.34
301	0	Correlation	598.45	598.79	0.339
353	1e+12	NDD Unbiased	598.11	597.09	-1.018
354	1e+12	NDD Unbiased	598.11	598.11	0
355	1e+12	NDD Unbiased	599.8	599.13	-0.679
356	1e+12	NDD Unbiased	599.13	598.79	-0.339
357	5e+12	NDD Unbiased	598.79	599.13	0.339
358	5e+12	NDD Unbiased	598.11	597.09	-1.018
359	5e+12	NDD Unbiased	599.47	597.77	-1.697
360	5e+12	NDD Unbiased	598.45	597.77	-0.679
361	1e+13	NDD Unbiased	598.79	595.73	-3.053
362	1e+13	NDD Unbiased	597.09	595.39	-1.696
363	1e+13	NDD Unbiased	599.47	597.09	-2.375
364	1e+13	NDD Unbiased	599.13	596.07	-3.053

NDD vs Post - Pre Exposure Delta

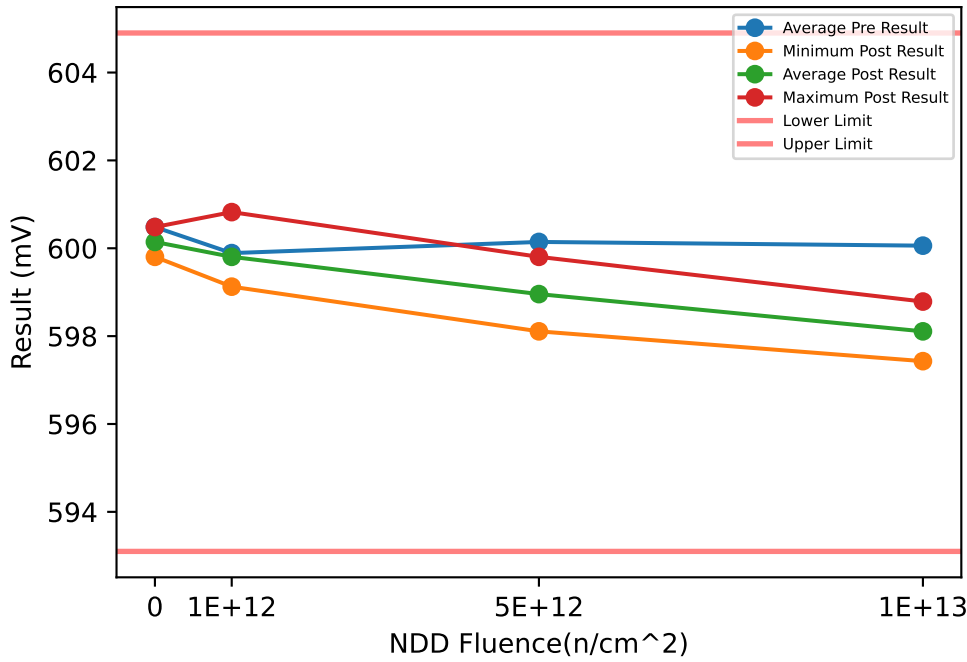


Test Statistics (mV)

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	598.45	598.96	599.47	0.71983	598.79	598.96	599.13	0.23971	-0.34	-0.0005	0.339	0.48013
1e+12	598.11	598.79	599.8	0.83079	597.09	598.28	599.13	0.89735	-1.018	-0.509	0	0.43816
5e+12	598.11	598.7	599.47	0.57939	597.09	597.94	599.13	0.85359	-1.697	-0.76375	0.339	0.8483
1e+13	597.09	598.62	599.47	1.0547	595.39	596.07	597.09	0.73279	-3.053	-2.5443	-1.696	0.64957

Device Test: 13.32 ; VTH_SENSE

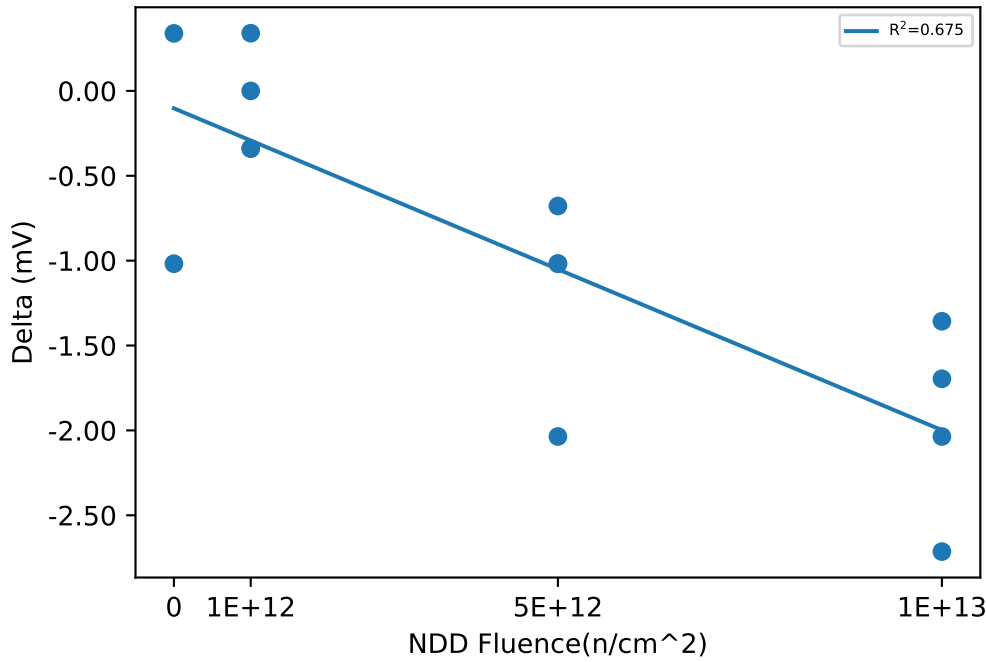
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.14	600.48	0.339
301	0	Correlation	600.82	599.8	-1.018
353	1e+12	NDD Unbiased	599.47	599.13	-0.34
354	1e+12	NDD Unbiased	599.13	599.47	0.34
355	1e+12	NDD Unbiased	600.14	599.8	-0.339
356	1e+12	NDD Unbiased	600.82	600.82	0
357	5e+12	NDD Unbiased	600.48	599.8	-0.678
358	5e+12	NDD Unbiased	599.13	598.11	-1.017
359	5e+12	NDD Unbiased	600.14	599.13	-1.018
360	5e+12	NDD Unbiased	600.82	598.79	-2.036
361	1e+13	NDD Unbiased	599.47	598.11	-1.357
362	1e+13	NDD Unbiased	599.8	598.11	-1.696
363	1e+13	NDD Unbiased	601.5	598.79	-2.714
364	1e+13	NDD Unbiased	599.47	597.43	-2.036

NDD vs Post - Pre Exposure Delta

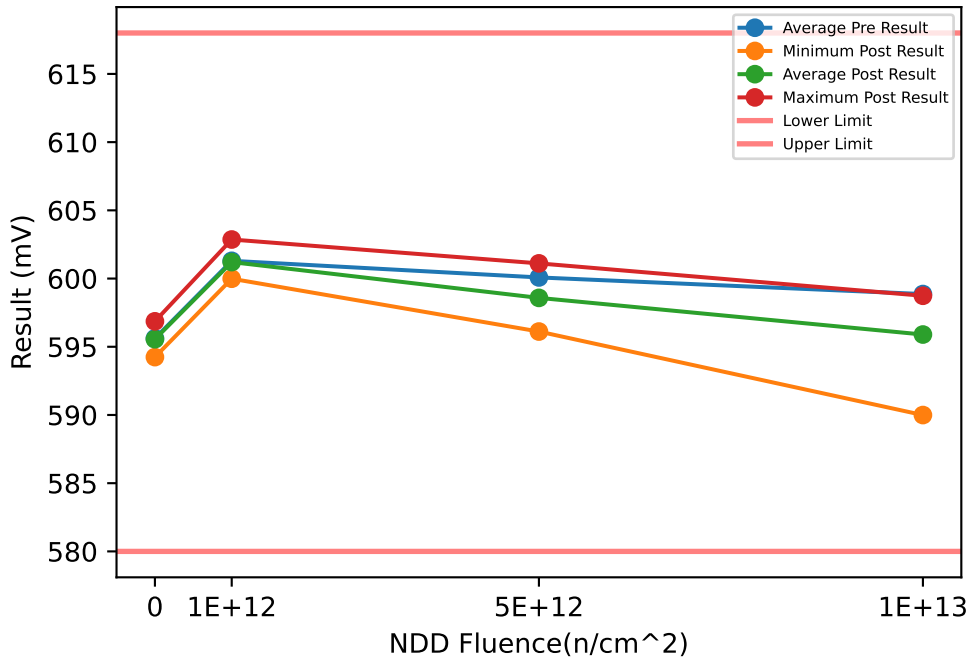


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.14	600.48	600.82	0.48013	599.8	600.14	600.48	0.47942	-1.018	-0.3395	0.339	0.95954
1e+12	599.13	599.89	600.82	0.75244	599.13	599.8	600.82	0.7331	-0.34	-0.08475	0.34	0.32526
5e+12	599.13	600.14	600.82	0.7331	598.11	598.96	599.8	0.70609	-2.036	-1.1872	-0.678	0.58803
1e+13	599.47	600.06	601.5	0.9742	597.43	598.11	598.79	0.55399	-2.714	-1.9507	-1.357	0.57944

Device Test: 13.33 ; VTH_SR_UVLO_RISE

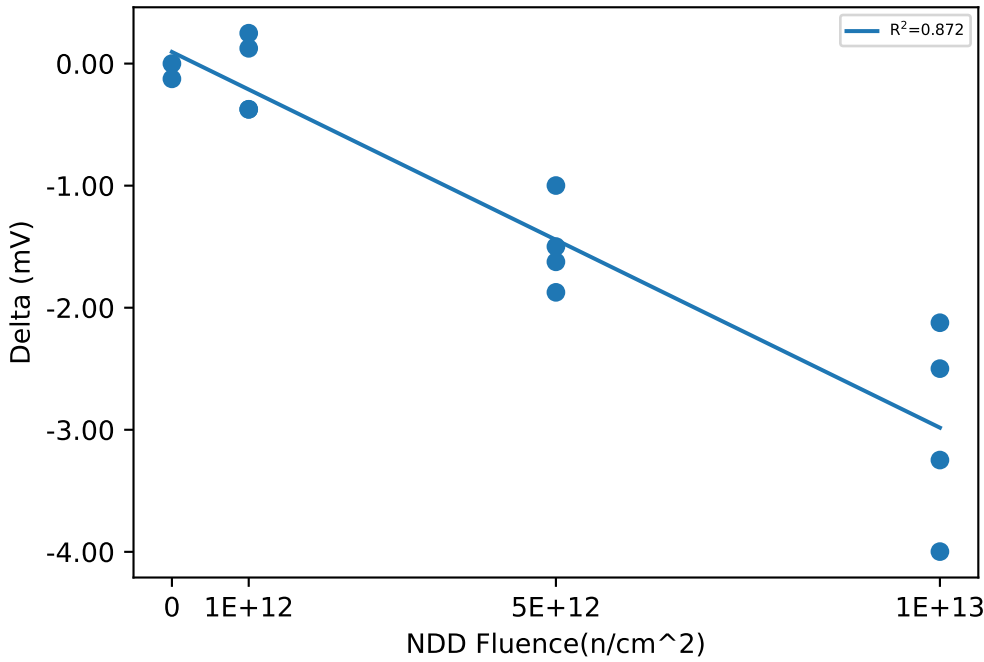
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	596.99	596.87	-0.125
301	0	Correlation	594.24	594.24	0
353	1e+12	NDD Unbiased	601.61	601.74	0.125
354	1e+12	NDD Unbiased	599.74	599.99	0.249
355	1e+12	NDD Unbiased	603.24	602.86	-0.374
356	1e+12	NDD Unbiased	600.61	600.24	-0.375
357	5e+12	NDD Unbiased	602.74	601.11	-1.624
358	5e+12	NDD Unbiased	600.74	599.74	-0.999
359	5e+12	NDD Unbiased	597.62	596.12	-1.499
360	5e+12	NDD Unbiased	599.24	597.37	-1.874
361	1e+13	NDD Unbiased	599.99	597.87	-2.123
362	1e+13	NDD Unbiased	600.24	596.99	-3.248
363	1e+13	NDD Unbiased	601.24	598.74	-2.499
364	1e+13	NDD Unbiased	593.99	589.99	-3.998

NDD vs Post - Pre Exposure Delta

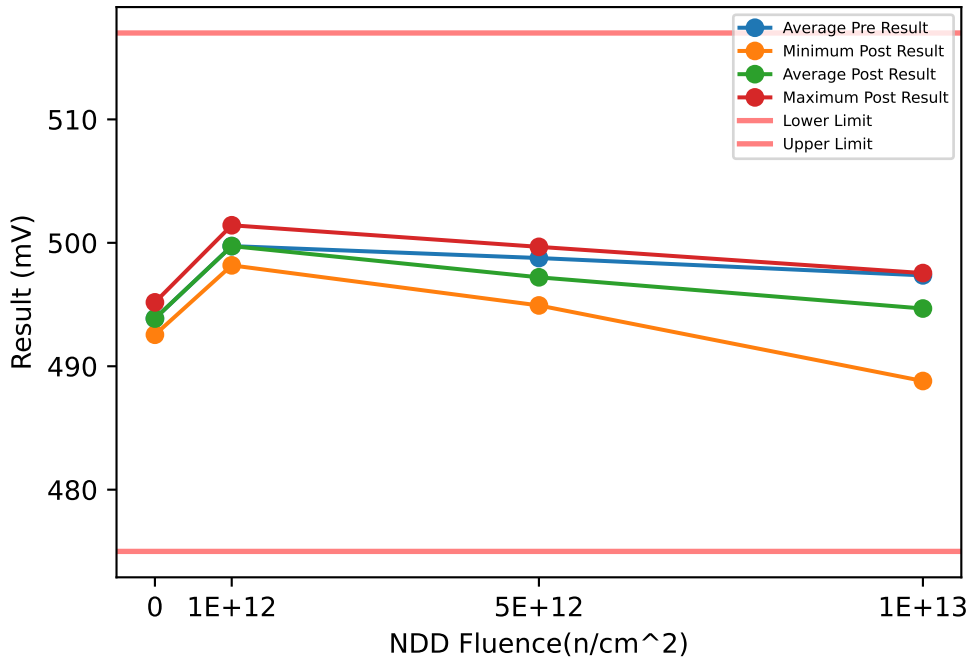


Test Statistics (mV)

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	594.24	595.62	596.99	1.9431	594.24	595.55	596.87	1.8547	-0.125	-0.0625	0	0.088388
1e+12	599.74	601.3	603.24	1.5005	599.99	601.21	602.86	1.3472	-0.375	-0.09375	0.249	0.32811
5e+12	597.62	600.08	602.74	2.1814	596.12	598.58	601.11	2.2588	-1.874	-1.499	-0.999	0.36799
1e+13	593.99	598.86	601.24	3.2926	589.99	595.9	598.74	3.9996	-3.998	-2.967	-2.123	0.83132

Device Test: 13.34 ; VTH_SR_UVLO_FALL

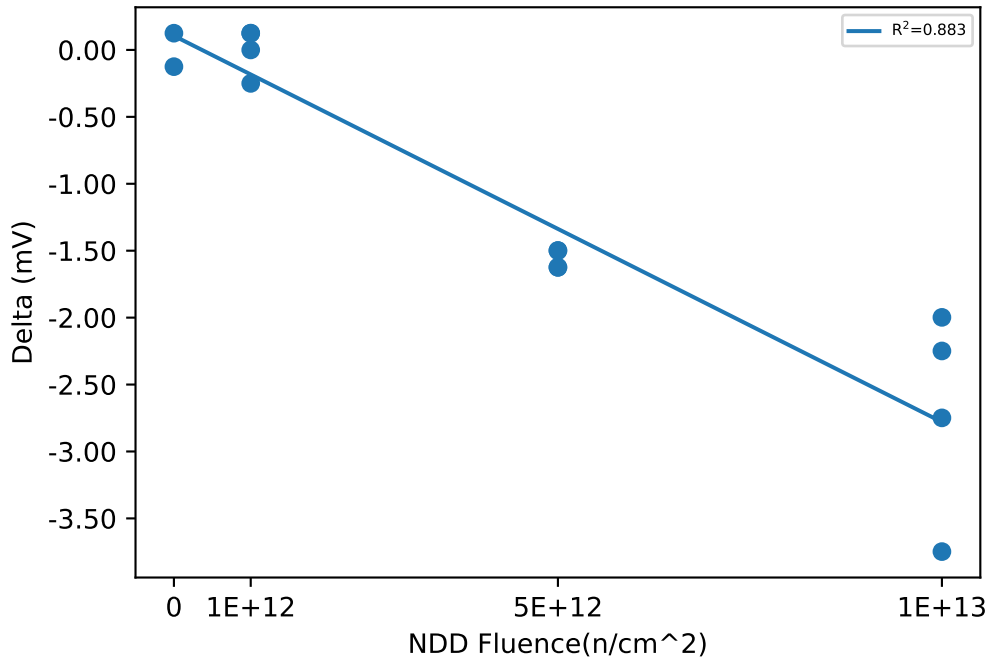
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	495.3	495.18	-0.125
301	0	Correlation	492.43	492.55	0.125
353	1e+12	NDD Unbiased	500.05	500.05	0
354	1e+12	NDD Unbiased	498.05	498.18	0.125
355	1e+12	NDD Unbiased	501.67	501.42	-0.25
356	1e+12	NDD Unbiased	499.17	499.3	0.125
357	5e+12	NDD Unbiased	501.17	499.67	-1.499
358	5e+12	NDD Unbiased	499.67	498.18	-1.499
359	5e+12	NDD Unbiased	496.55	494.93	-1.624
360	5e+12	NDD Unbiased	497.68	496.05	-1.624
361	1e+13	NDD Unbiased	498.8	496.8	-1.998
362	1e+13	NDD Unbiased	498.3	495.55	-2.749
363	1e+13	NDD Unbiased	499.8	497.55	-2.249
364	1e+13	NDD Unbiased	492.55	488.81	-3.748

NDD vs Post - Pre Exposure Delta

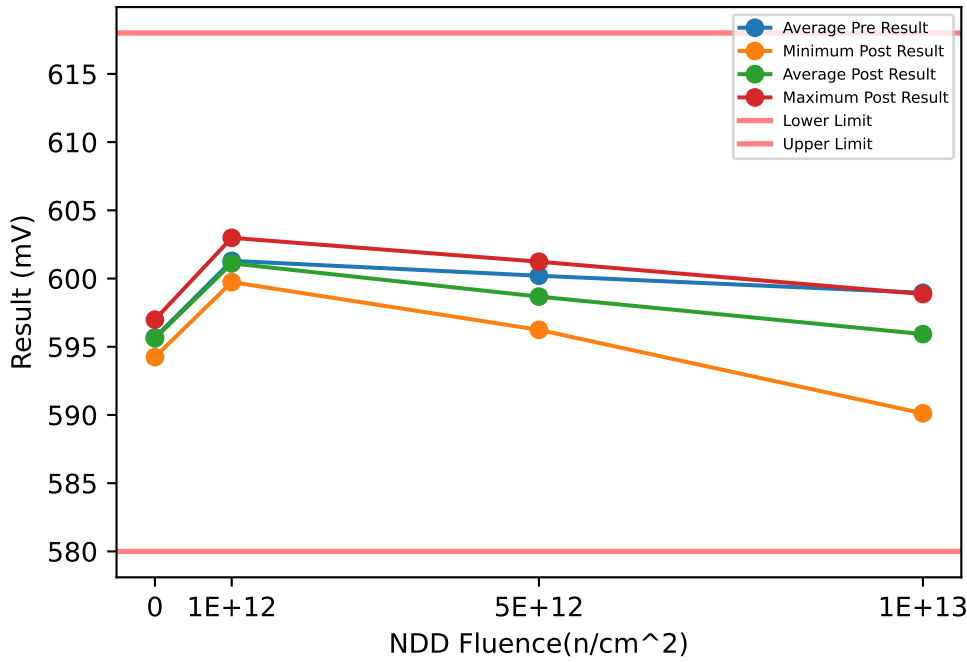


Test Statistics (mV)

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	492.43	493.87	495.3	2.0322	492.55	493.87	495.18	1.8554	-0.125	0	0.125	0.17678
1e+12	498.05	499.74	501.67	1.5284	498.18	499.74	501.42	1.3628	-0.25	0	0.125	0.17678
5e+12	496.55	498.77	501.17	2.0587	494.93	497.21	499.67	2.1259	-1.624	-1.5615	-1.499	0.072169
1e+13	492.55	497.36	499.8	3.2665	488.81	494.68	497.55	4.0004	-3.748	-2.686	-1.998	0.77376

Device Test: 13.36 ; VTH_SR_UVLO_RISE

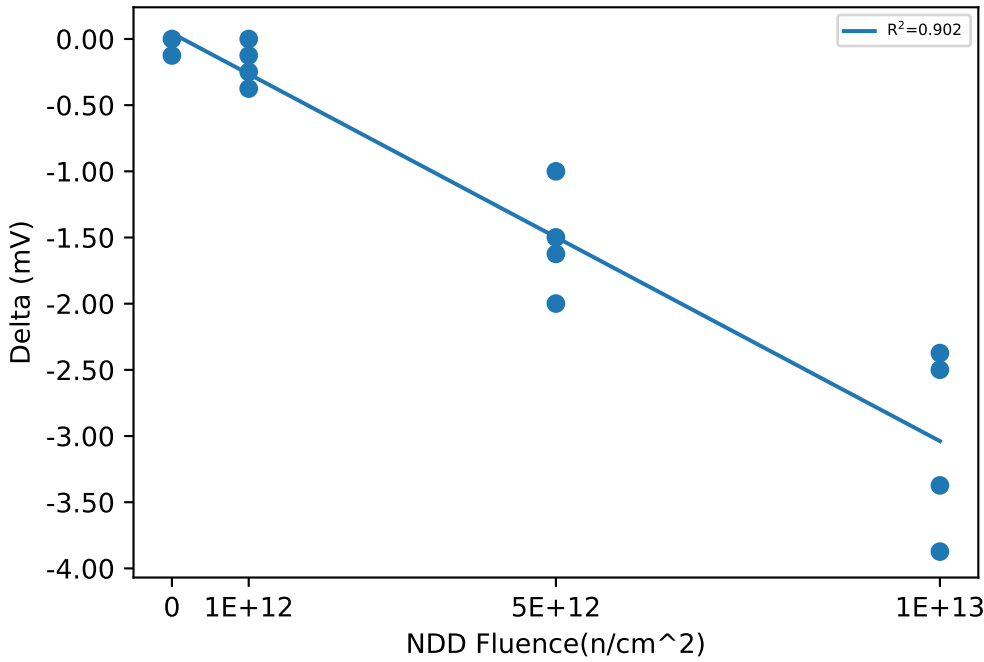
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	596.99	596.99	0
301	0	Correlation	594.37	594.24	-0.125
353	1e+12	NDD Unbiased	601.74	601.61	-0.125
354	1e+12	NDD Unbiased	599.74	599.74	0
355	1e+12	NDD Unbiased	603.24	602.99	-0.249
356	1e+12	NDD Unbiased	600.49	600.11	-0.375
357	5e+12	NDD Unbiased	602.74	601.24	-1.499
358	5e+12	NDD Unbiased	600.86	599.86	-1
359	5e+12	NDD Unbiased	597.87	596.24	-1.624
360	5e+12	NDD Unbiased	599.36	597.37	-1.999
361	1e+13	NDD Unbiased	600.24	597.87	-2.373
362	1e+13	NDD Unbiased	600.24	596.87	-3.373
363	1e+13	NDD Unbiased	601.36	598.86	-2.499
364	1e+13	NDD Unbiased	593.99	590.12	-3.873

NDD vs Post - Pre Exposure Delta

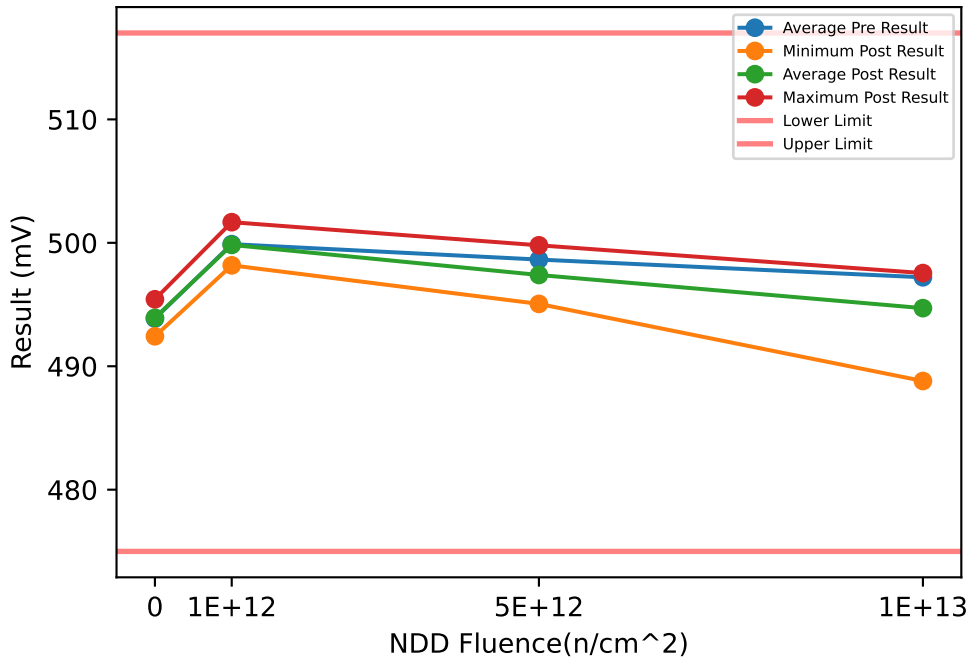


Test Statistics (mV)

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	594.37	595.68	596.99	1.8547	594.24	595.62	596.99	1.9431	-0.125	-0.0625	0	0.088388
1e+12	599.74	601.3	603.24	1.5314	599.74	601.11	602.99	1.4887	-0.375	-0.18725	0	0.16125
5e+12	597.87	600.21	602.74	2.0838	596.24	598.68	601.24	2.2819	-1.999	-1.5305	-1	0.41258
1e+13	593.99	598.96	601.36	3.3527	590.12	595.93	598.86	3.9579	-3.873	-3.0295	-2.373	0.71692

Device Test: 13.37 ; VTH_SR_UVLO_FALL

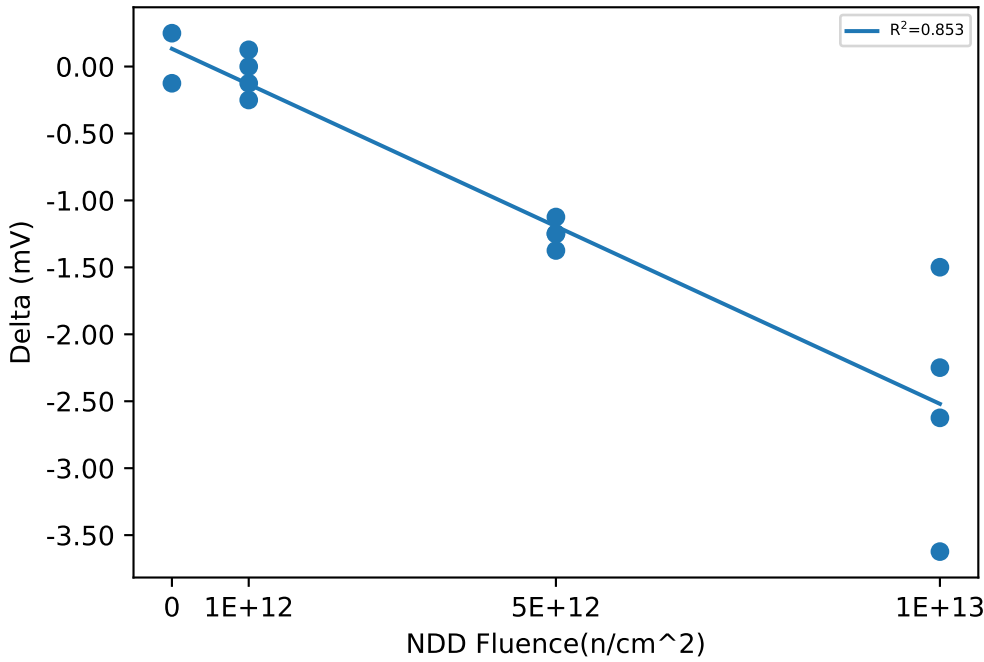
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	495.18	495.43	0.249
301	0	Correlation	492.55	492.43	-0.125
353	1e+12	NDD Unbiased	500.17	500.17	0
354	1e+12	NDD Unbiased	498.05	498.18	0.125
355	1e+12	NDD Unbiased	501.8	501.67	-0.125
356	1e+12	NDD Unbiased	499.55	499.3	-0.25
357	5e+12	NDD Unbiased	501.17	499.8	-1.374
358	5e+12	NDD Unbiased	499.67	498.43	-1.249
359	5e+12	NDD Unbiased	496.18	495.05	-1.124
360	5e+12	NDD Unbiased	497.55	496.3	-1.249
361	1e+13	NDD Unbiased	498.3	496.8	-1.499
362	1e+13	NDD Unbiased	498.3	495.68	-2.624
363	1e+13	NDD Unbiased	499.8	497.55	-2.249
364	1e+13	NDD Unbiased	492.43	488.81	-3.623

NDD vs Post - Pre Exposure Delta

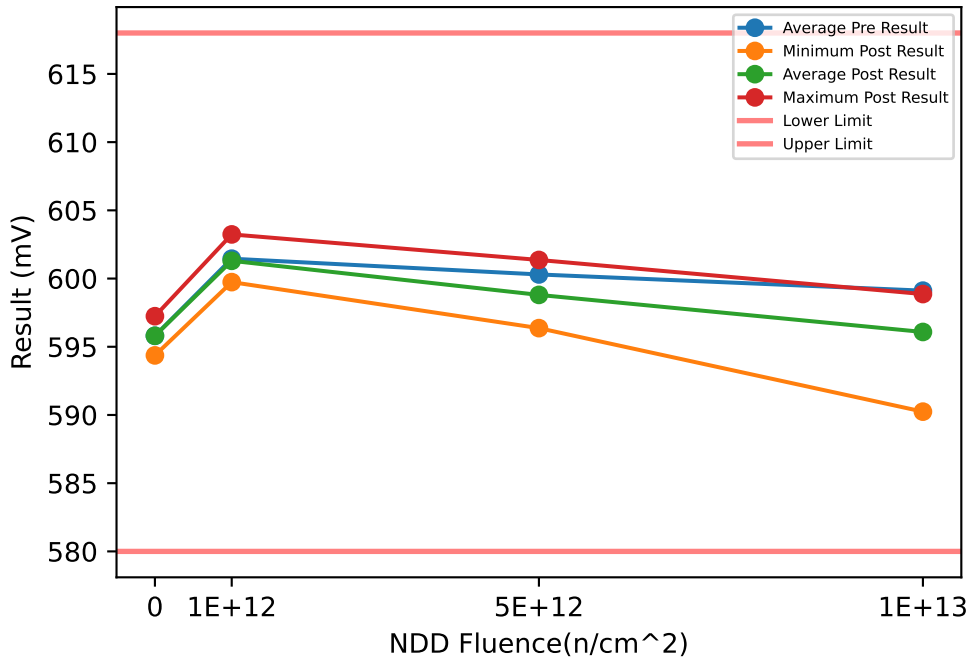


Test Statistics (mV)

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	492.55	493.87	495.18	1.8554	492.43	493.93	495.43	2.1199	-0.125	0.062	0.249	0.26446
1e+12	498.05	499.89	501.8	1.5517	498.18	499.83	501.67	1.476	-0.25	-0.0625	0.125	0.16137
5e+12	496.18	498.64	501.17	2.2169	495.05	497.39	499.8	2.1234	-1.374	-1.249	-1.124	0.10206
1e+13	492.43	497.21	499.8	3.2633	488.81	494.71	497.55	4.01	-3.623	-2.4988	-1.499	0.88346

Device Test: 13.39 ; VTH_SR_UVLO_RISE

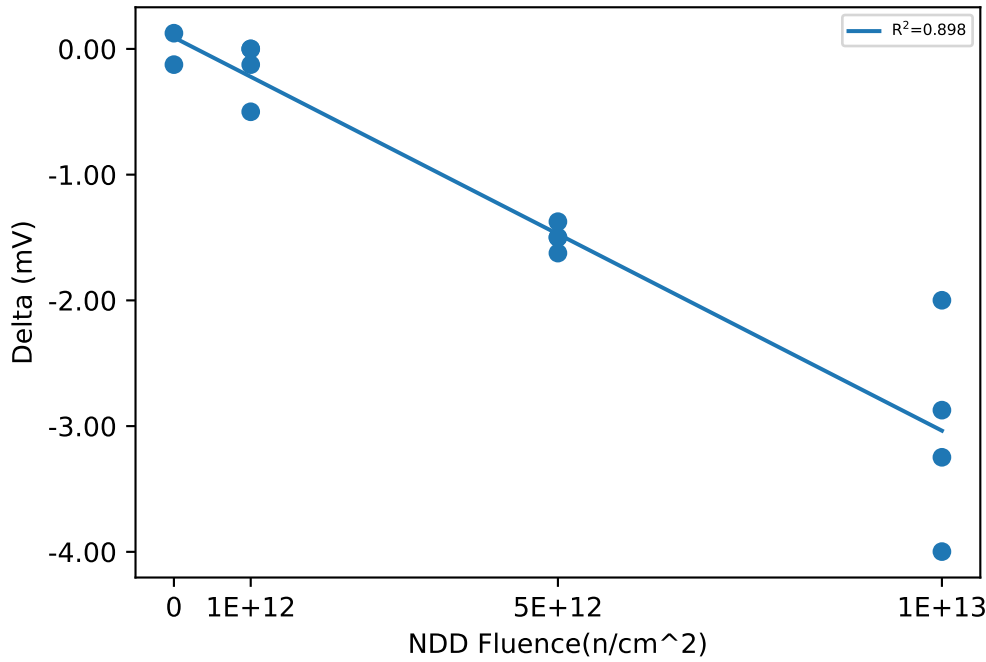
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	597.12	597.24	0.125
301	0	Correlation	594.49	594.37	-0.125
353	1e+12	NDD Unbiased	601.99	601.86	-0.125
354	1e+12	NDD Unbiased	599.74	599.74	0
355	1e+12	NDD Unbiased	603.24	603.24	0
356	1e+12	NDD Unbiased	600.86	600.36	-0.5
357	5e+12	NDD Unbiased	602.86	601.36	-1.499
358	5e+12	NDD Unbiased	601.11	599.74	-1.374
359	5e+12	NDD Unbiased	597.87	596.37	-1.499
360	5e+12	NDD Unbiased	599.36	597.74	-1.624
361	1e+13	NDD Unbiased	600.11	598.11	-1.999
362	1e+13	NDD Unbiased	600.36	597.12	-3.248
363	1e+13	NDD Unbiased	601.74	598.86	-2.873
364	1e+13	NDD Unbiased	594.24	590.24	-3.998

NDD vs Post - Pre Exposure Delta

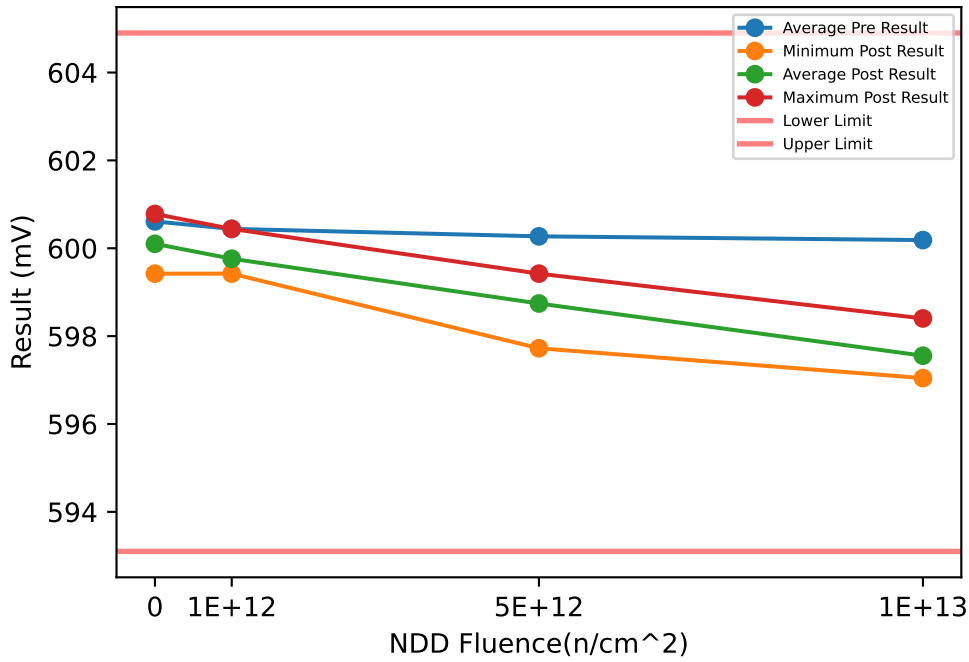


Test Statistics (mV)

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	594.49	595.8	597.12	1.8547	594.37	595.8	597.24	2.0315	-0.125	0	0.125	0.17678
1e+12	599.74	601.46	603.24	1.5	599.74	601.3	603.24	1.5683	-0.5	-0.15625	0	0.23662
5e+12	597.87	600.3	602.86	2.1626	596.37	598.8	601.36	2.1984	-1.624	-1.499	-1.374	0.10206
1e+13	594.24	599.11	601.74	3.3254	590.24	596.08	598.86	3.9589	-3.998	-3.0295	-1.999	0.8311

Device Test: 13.4 ; VTH_SENSE

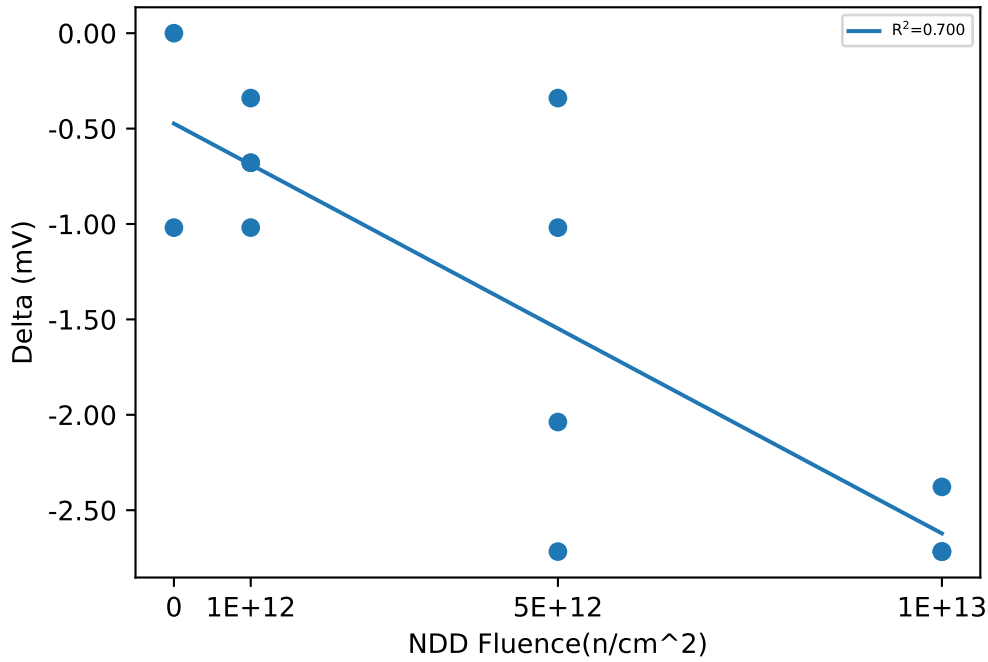
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.44	599.42	-1.019
301	0	Correlation	600.78	600.78	0
353	1e+12	NDD Unbiased	600.1	599.42	-0.679
354	1e+12	NDD Unbiased	600.78	600.44	-0.34
355	1e+12	NDD Unbiased	600.44	599.42	-1.019
356	1e+12	NDD Unbiased	600.44	599.76	-0.679
357	5e+12	NDD Unbiased	601.46	599.42	-2.038
358	5e+12	NDD Unbiased	599.76	599.42	-0.34
359	5e+12	NDD Unbiased	600.44	597.72	-2.717
360	5e+12	NDD Unbiased	599.42	598.4	-1.019
361	1e+13	NDD Unbiased	599.76	597.04	-2.717
362	1e+13	NDD Unbiased	600.44	597.72	-2.717
363	1e+13	NDD Unbiased	600.78	598.4	-2.378
364	1e+13	NDD Unbiased	599.76	597.04	-2.717

NDD vs Post - Pre Exposure Delta

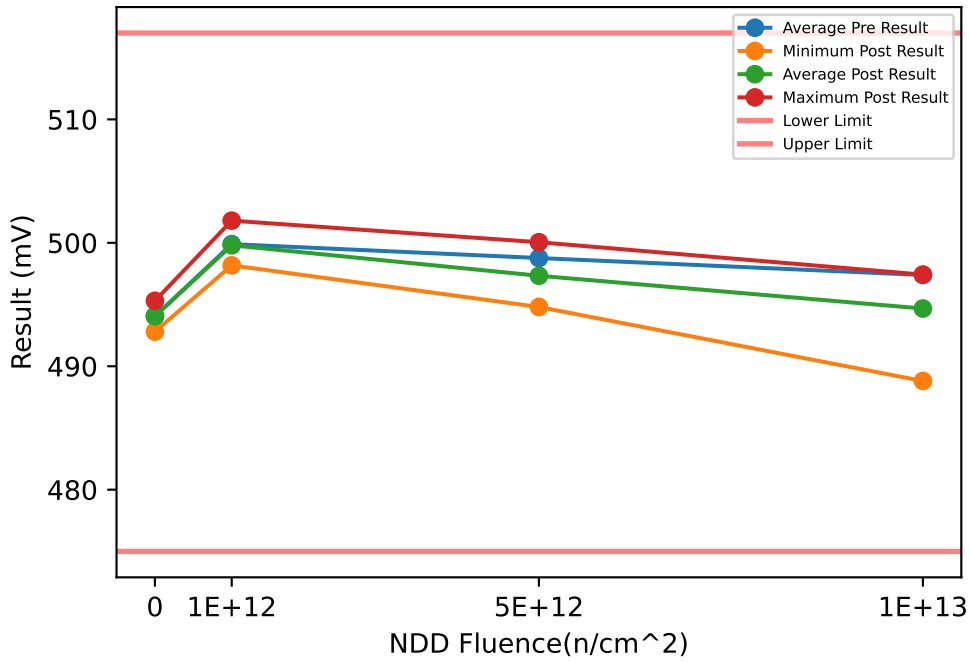


Test Statistics (mV)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	600.44	600.61	600.78	0.24042	599.42	600.1	600.78	0.96096	-1.019	-0.5095	0	0.72054
1e+12	600.1	600.44	600.78	0.27761	599.42	599.76	600.44	0.48036	-1.019	-0.67925	-0.34	0.2772
5e+12	599.42	600.27	601.46	0.89861	597.72	598.74	599.42	0.83187	-2.717	-1.5285	-0.34	1.0558
1e+13	599.76	600.19	600.78	0.50944	597.04	597.55	598.4	0.65009	-2.717	-2.6322	-2.378	0.1695

Device Test: 13.40 ; VTH_SR_UVLO_FALL

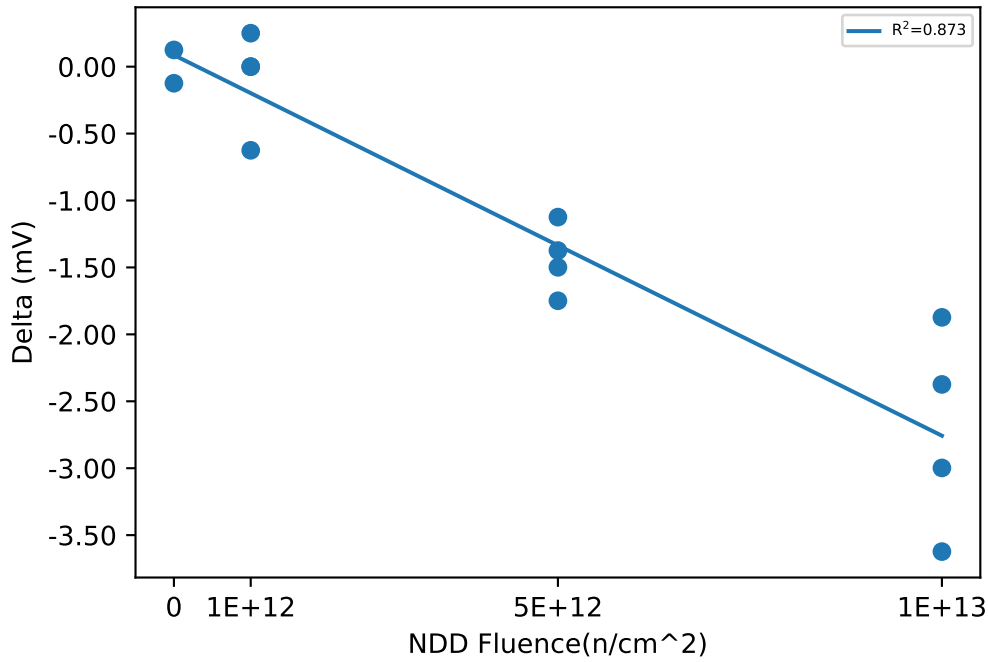
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	495.43	495.3	-0.124
301	0	Correlation	492.68	492.8	0.125
353	1e+12	NDD Unbiased	500.17	500.17	0
354	1e+12	NDD Unbiased	498.18	498.18	0
355	1e+12	NDD Unbiased	501.55	501.8	0.25
356	1e+12	NDD Unbiased	499.67	499.05	-0.625
357	5e+12	NDD Unbiased	501.17	500.05	-1.124
358	5e+12	NDD Unbiased	499.67	498.3	-1.374
359	5e+12	NDD Unbiased	496.55	494.8	-1.749
360	5e+12	NDD Unbiased	497.68	496.18	-1.499
361	1e+13	NDD Unbiased	498.67	496.8	-1.873
362	1e+13	NDD Unbiased	498.67	495.68	-2.998
363	1e+13	NDD Unbiased	499.8	497.43	-2.374
364	1e+13	NDD Unbiased	492.43	488.81	-3.623

NDD vs Post - Pre Exposure Delta

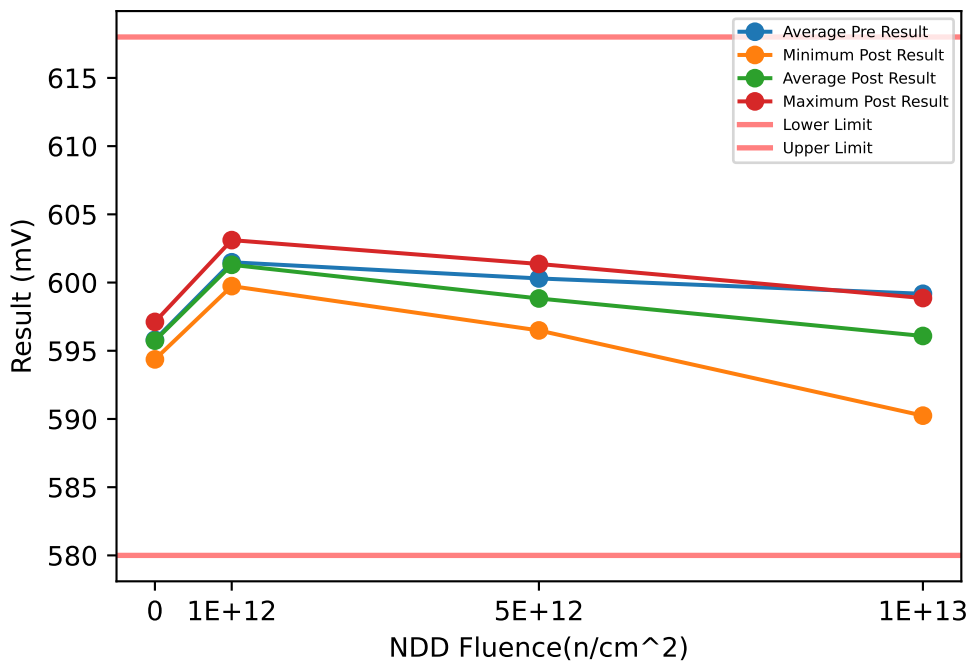


Test Statistics (mV)

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	492.68	494.05	495.43	1.9431	492.8	494.05	495.3	1.7671	-0.124	0.0005	0.125	0.17607
1e+12	498.18	499.89	501.55	1.3925	498.18	499.8	501.8	1.5638	-0.625	-0.09375	0.25	0.37326
5e+12	496.55	498.77	501.17	2.0587	494.8	497.33	500.05	2.3135	-1.749	-1.4365	-1.124	0.26021
1e+13	492.43	497.39	499.8	3.3527	488.81	494.68	497.43	3.9808	-3.623	-2.717	-1.873	0.75934

Device Test: 13.42 ; VTH_SR_UVLO_RISE

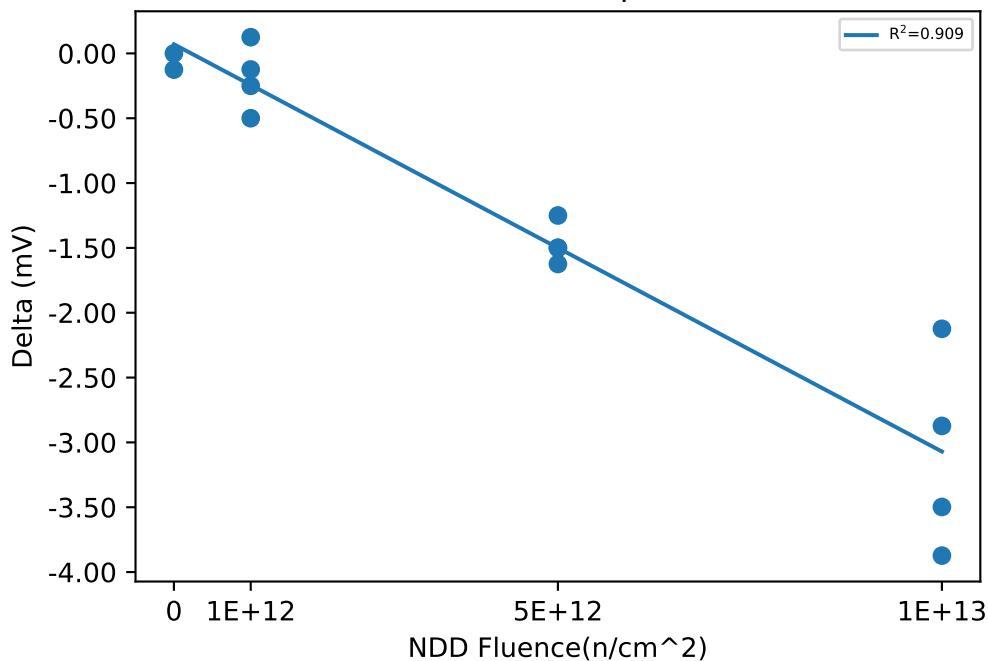
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	597.24	597.12	-0.125
301	0	Correlation	594.37	594.37	0
353	1e+12	NDD Unbiased	601.86	601.99	0.125
354	1e+12	NDD Unbiased	599.86	599.74	-0.124
355	1e+12	NDD Unbiased	603.36	603.11	-0.25
356	1e+12	NDD Unbiased	600.86	600.36	-0.5
357	5e+12	NDD Unbiased	602.86	601.36	-1.499
358	5e+12	NDD Unbiased	601.11	599.86	-1.25
359	5e+12	NDD Unbiased	597.99	596.49	-1.5
360	5e+12	NDD Unbiased	599.24	597.62	-1.624
361	1e+13	NDD Unbiased	600.24	598.11	-2.124
362	1e+13	NDD Unbiased	600.61	597.12	-3.498
363	1e+13	NDD Unbiased	601.74	598.86	-2.873
364	1e+13	NDD Unbiased	594.12	590.24	-3.873

NDD vs Post - Pre Exposure Delta

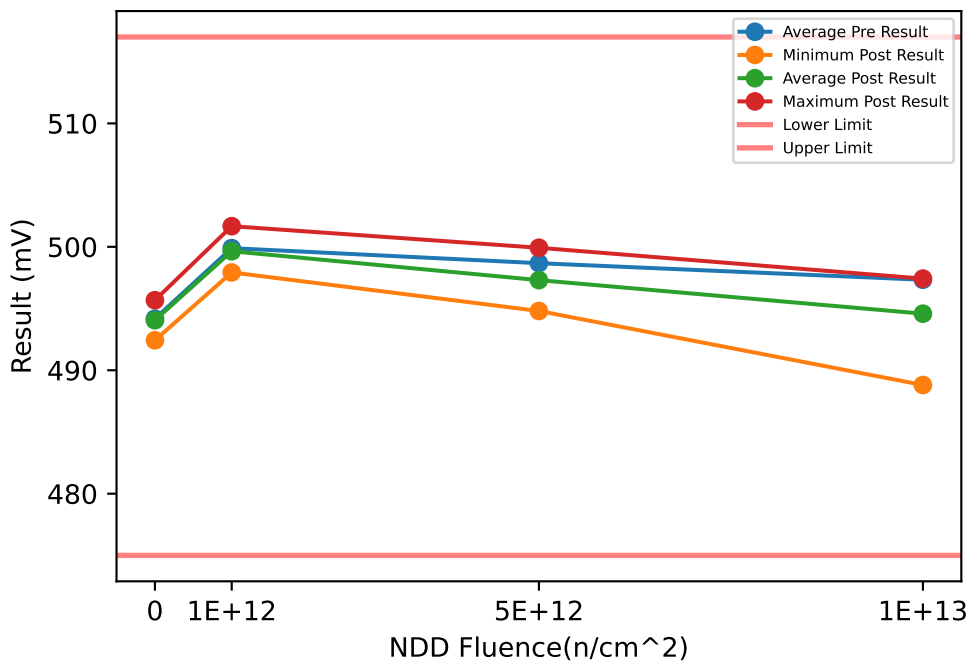


Test Statistics (mV)

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	594.37	595.8	597.24	2.0315	594.37	595.74	597.12	1.9431	-0.125	-0.0625	0	0.088388
1e+12	599.86	601.49	603.36	1.4921	599.74	601.3	603.11	1.5348	-0.5	-0.18725	0.125	0.26029
5e+12	597.99	600.3	602.86	2.1359	596.49	598.83	601.36	2.1935	-1.624	-1.4682	-1.25	0.15689
1e+13	594.12	599.18	601.74	3.4324	590.24	596.08	598.86	3.9589	-3.873	-3.092	-2.124	0.76589

Device Test: 13.43 ; VTH_SR_UVLO_FALL

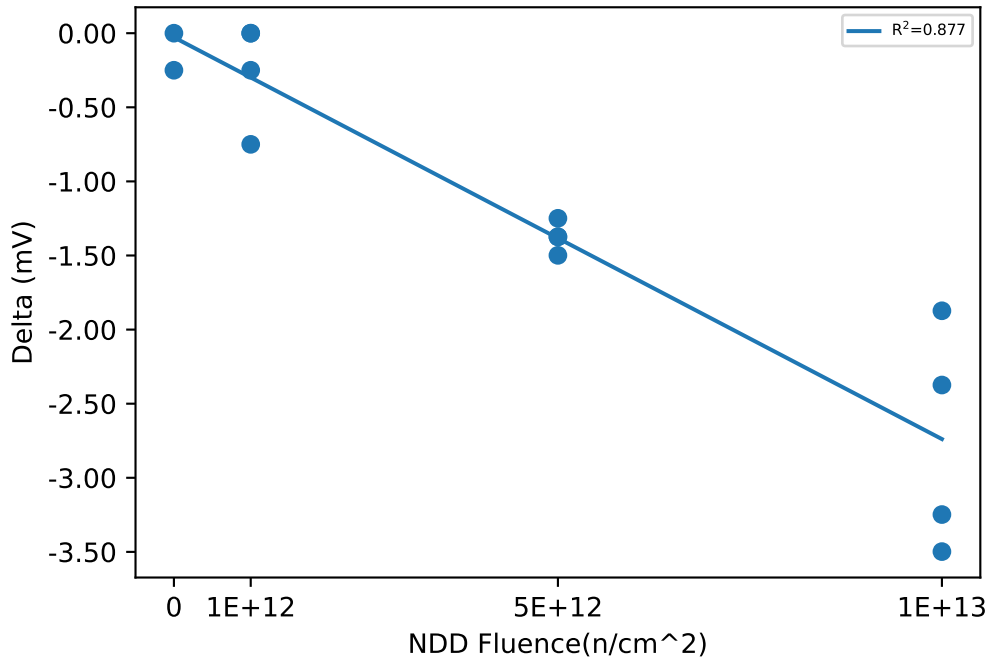
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	495.68	495.68	0
301	0	Correlation	492.68	492.43	-0.25
353	1e+12	NDD Unbiased	500.17	500.17	0
354	1e+12	NDD Unbiased	498.18	497.93	-0.25
355	1e+12	NDD Unbiased	501.67	501.67	0
356	1e+12	NDD Unbiased	499.55	498.8	-0.75
357	5e+12	NDD Unbiased	501.17	499.92	-1.249
358	5e+12	NDD Unbiased	499.67	498.3	-1.374
359	5e+12	NDD Unbiased	496.3	494.8	-1.499
360	5e+12	NDD Unbiased	497.55	496.18	-1.374
361	1e+13	NDD Unbiased	498.67	496.8	-1.873
362	1e+13	NDD Unbiased	498.55	495.3	-3.248
363	1e+13	NDD Unbiased	499.8	497.43	-2.374
364	1e+13	NDD Unbiased	492.3	488.81	-3.498

NDD vs Post - Pre Exposure Delta

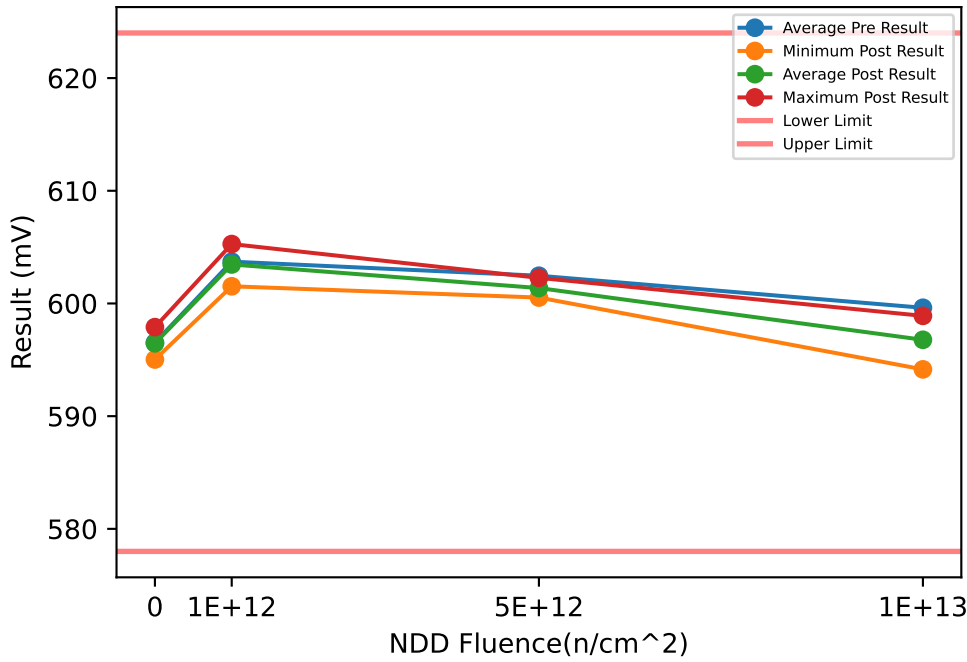


Test Statistics (mV)

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	492.68	494.18	495.68	2.1199	492.43	494.05	495.68	2.2967	-0.25	-0.125	0	0.17678
1e+12	498.18	499.89	501.67	1.4511	497.93	499.64	501.67	1.6398	-0.75	-0.25	0	0.35355
5e+12	496.3	498.67	501.17	2.171	494.8	497.3	499.92	2.2649	-1.499	-1.374	-1.249	0.10206
1e+13	492.3	497.33	499.8	3.3991	488.81	494.58	497.43	3.9538	-3.498	-2.7482	-1.873	0.75675

Device Test: 13.45 ; VTH_WDI_RISE

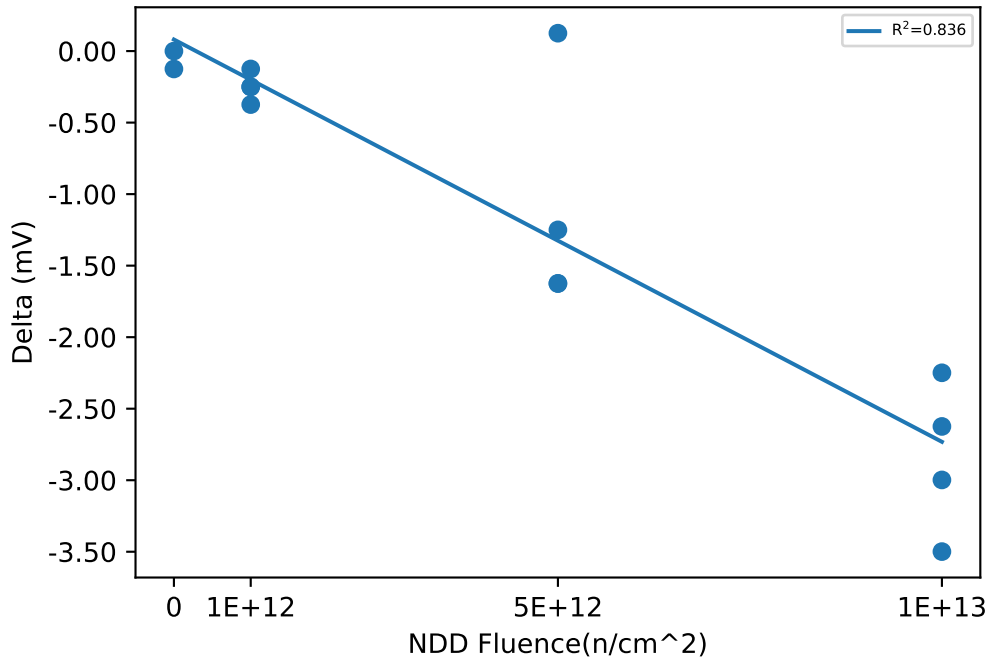
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	595.03	595.03	0
301	0	Correlation	598.02	597.9	-0.125
353	1e+12	NDD Unbiased	601.9	601.52	-0.374
354	1e+12	NDD Unbiased	605.52	605.27	-0.25
355	1e+12	NDD Unbiased	603.77	603.52	-0.25
356	1e+12	NDD Unbiased	603.65	603.52	-0.125
357	5e+12	NDD Unbiased	602.9	601.27	-1.624
358	5e+12	NDD Unbiased	601.27	601.4	0.125
359	5e+12	NDD Unbiased	603.9	602.27	-1.625
360	5e+12	NDD Unbiased	601.77	600.52	-1.25
361	1e+13	NDD Unbiased	601.02	597.52	-3.499
362	1e+13	NDD Unbiased	596.78	594.15	-2.624
363	1e+13	NDD Unbiased	601.9	598.9	-2.998
364	1e+13	NDD Unbiased	598.77	596.53	-2.249

NDD vs Post - Pre Exposure Delta

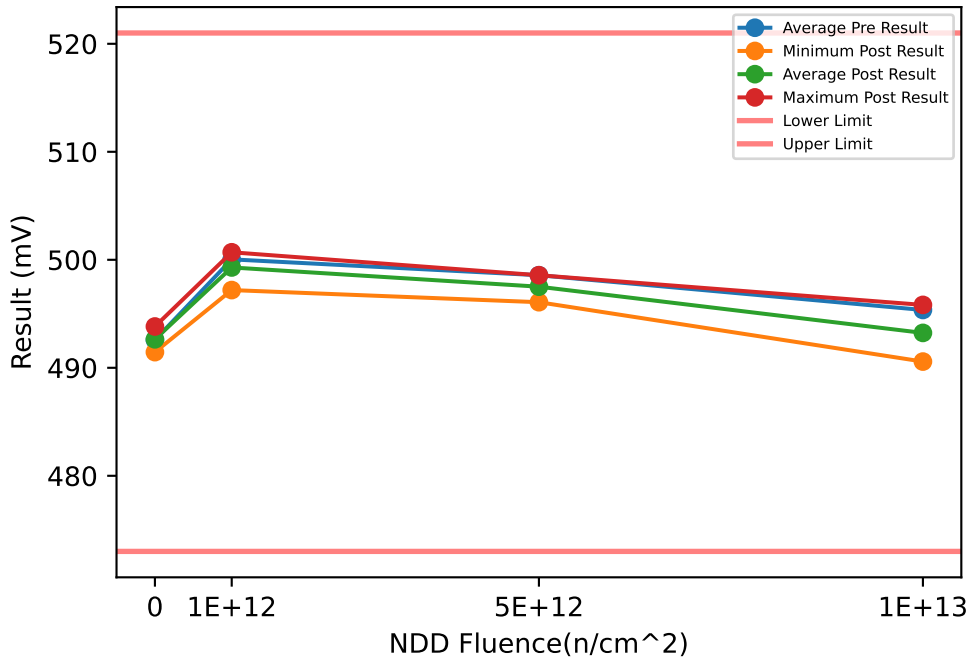


Test Statistics (mV)

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	595.03	596.53	598.02	2.1199	595.03	596.46	597.9	2.0315	-0.125	-0.0625	0	0.088388
1e+12	601.9	603.71	605.52	1.4804	601.52	603.46	605.27	1.5318	-0.374	-0.24975	-0.125	0.10165
5e+12	601.27	602.46	603.9	1.1743	600.52	601.37	602.27	0.71674	-1.625	-1.0935	0.125	0.8313
1e+13	596.78	599.62	601.9	2.3067	594.15	596.78	598.9	2.0017	-3.499	-2.8425	-2.249	0.5339

Device Test: 13.46 ; VTH_WDI_FALL

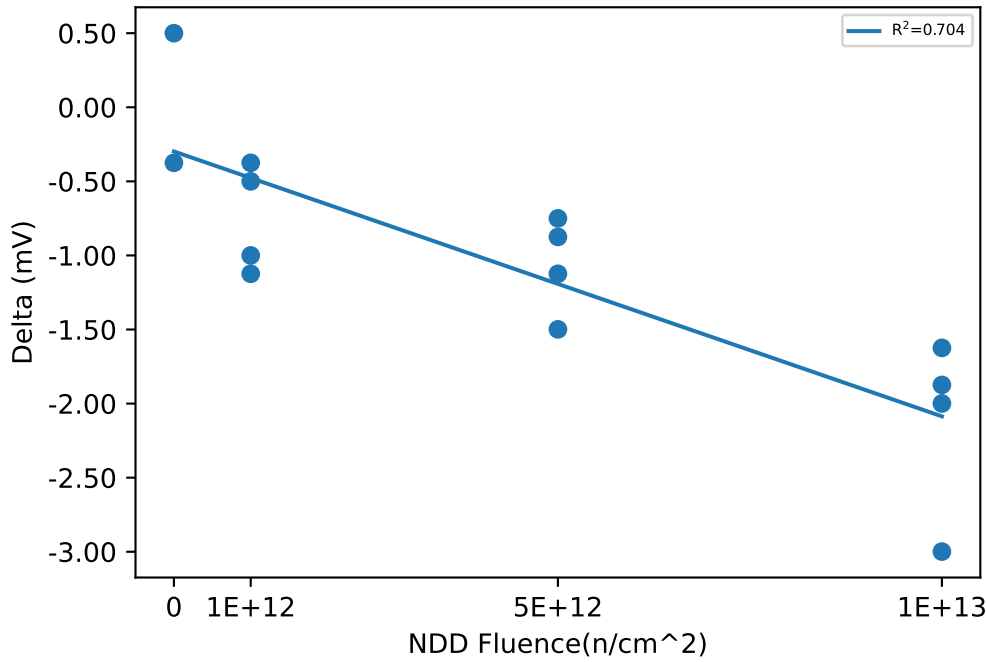
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	490.95	491.45	0.5
301	0	Correlation	494.2	493.82	-0.375
353	1e+12	NDD Unbiased	498.2	497.2	-1
354	1e+12	NDD Unbiased	501.82	500.7	-1.124
355	1e+12	NDD Unbiased	500.07	499.57	-0.5
356	1e+12	NDD Unbiased	500.07	499.7	-0.375
357	5e+12	NDD Unbiased	498.82	498.07	-0.75
358	5e+12	NDD Unbiased	498.2	497.32	-0.875
359	5e+12	NDD Unbiased	499.7	498.57	-1.124
360	5e+12	NDD Unbiased	497.57	496.07	-1.499
361	1e+13	NDD Unbiased	496.82	493.82	-2.999
362	1e+13	NDD Unbiased	492.2	490.58	-1.624
363	1e+13	NDD Unbiased	497.7	495.82	-1.874
364	1e+13	NDD Unbiased	494.7	492.7	-1.999

NDD vs Post - Pre Exposure Delta

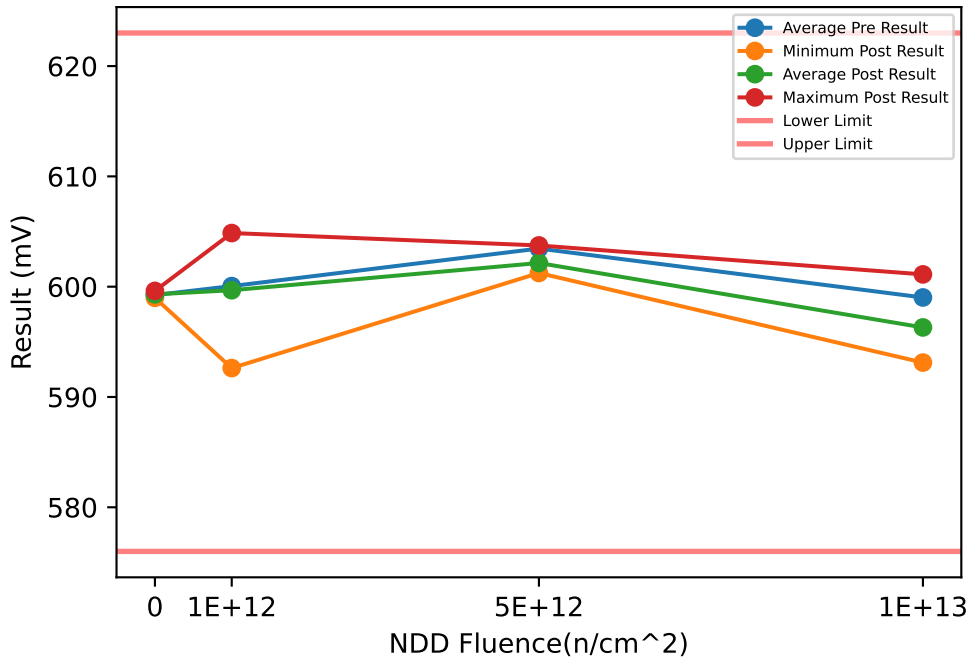


Test Statistics (mV)

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	490.95	492.57	494.2	2.2974	491.45	492.64	493.82	1.6787	-0.375	0.0625	0.5	0.61872
1e+12	498.2	500.04	501.82	1.4795	497.2	499.29	500.7	1.4834	-1.124	-0.74975	-0.375	0.36765
5e+12	497.57	498.57	499.7	0.90673	496.07	497.51	498.57	1.0869	-1.499	-1.062	-0.75	0.33022
1e+13	492.2	495.35	497.7	2.4511	490.58	493.23	495.82	2.191	-2.999	-2.124	-1.624	0.60381

Device Test: 13.48 ; VTH_MODE_RISE

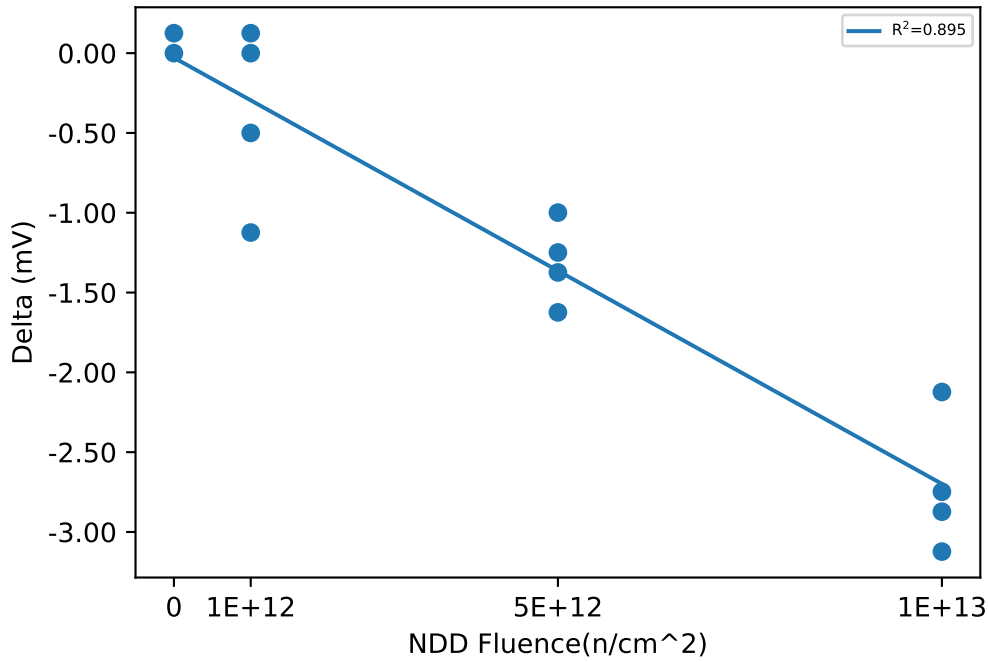
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.49	599.62	0.125
301	0	Correlation	598.99	598.99	0
353	1e+12	NDD Unbiased	601.62	601.74	0.125
354	1e+12	NDD Unbiased	593.12	592.62	-0.5
355	1e+12	NDD Unbiased	604.86	604.86	0
356	1e+12	NDD Unbiased	600.62	599.49	-1.124
357	5e+12	NDD Unbiased	605.36	603.74	-1.624
358	5e+12	NDD Unbiased	602.74	601.74	-0.999
359	5e+12	NDD Unbiased	602.61	601.24	-1.374
360	5e+12	NDD Unbiased	603.11	601.87	-1.249
361	1e+13	NDD Unbiased	598.62	595.74	-2.873
362	1e+13	NDD Unbiased	595.87	593.12	-2.748
363	1e+13	NDD Unbiased	604.24	601.12	-3.123
364	1e+13	NDD Unbiased	597.37	595.24	-2.123

NDD vs Post - Pre Exposure Delta

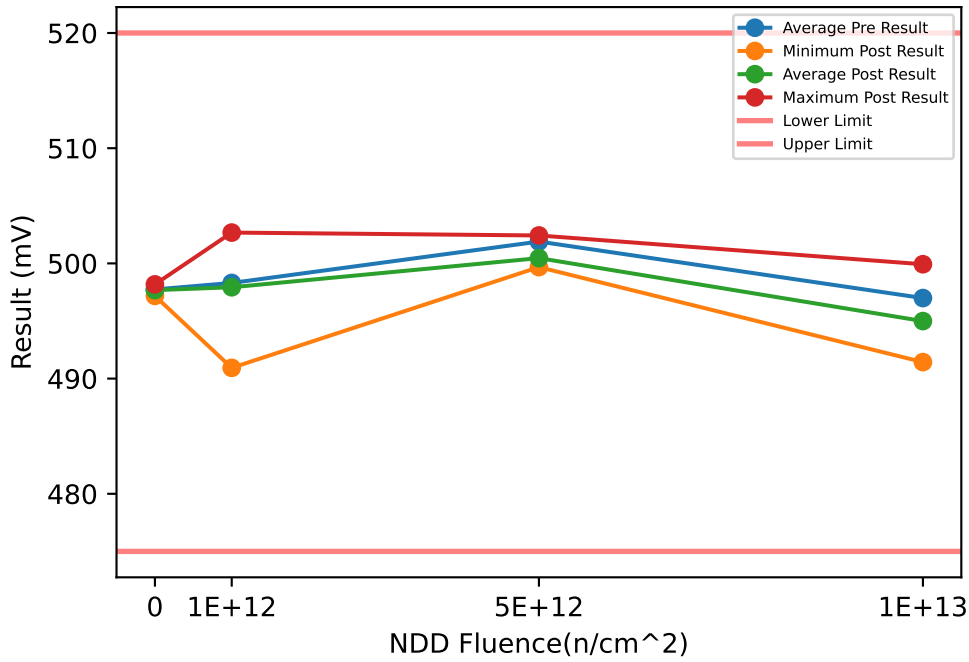


Test Statistics (mV)

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	598.99	599.24	599.49	0.35355	598.99	599.3	599.62	0.44194	0	0.0625	0.125	0.088388
1e+12	593.12	600.05	604.86	4.9652	592.62	599.68	604.86	5.1957	-1.124	-0.37475	0.125	0.56782
5e+12	602.61	603.46	605.36	1.2875	601.24	602.15	603.74	1.0953	-1.624	-1.3115	-0.999	0.26021
1e+13	595.87	599.02	604.24	3.6541	593.12	596.31	601.12	3.4021	-3.123	-2.7167	-2.123	0.42543

Device Test: 13.49 ; VTH_MODE_FALL

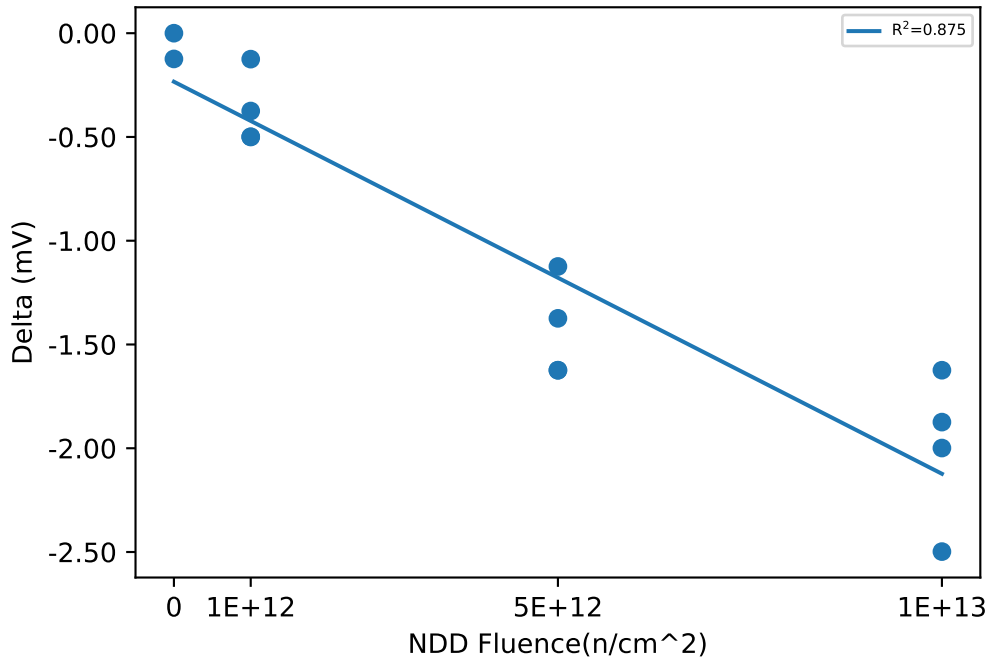
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	498.18	498.18	0
301	0	Correlation	497.3	497.18	-0.124
353	1e+12	NDD Unbiased	500.05	499.55	-0.5
354	1e+12	NDD Unbiased	491.31	490.93	-0.375
355	1e+12	NDD Unbiased	502.8	502.68	-0.125
356	1e+12	NDD Unbiased	499.05	498.55	-0.499
357	5e+12	NDD Unbiased	503.8	502.43	-1.374
358	5e+12	NDD Unbiased	500.8	499.68	-1.124
359	5e+12	NDD Unbiased	501.43	499.8	-1.624
360	5e+12	NDD Unbiased	501.55	499.93	-1.624
361	1e+13	NDD Unbiased	496.43	494.56	-1.874
362	1e+13	NDD Unbiased	493.43	491.43	-1.999
363	1e+13	NDD Unbiased	502.43	499.93	-2.498
364	1e+13	NDD Unbiased	495.68	494.06	-1.624

NDD vs Post - Pre Exposure Delta

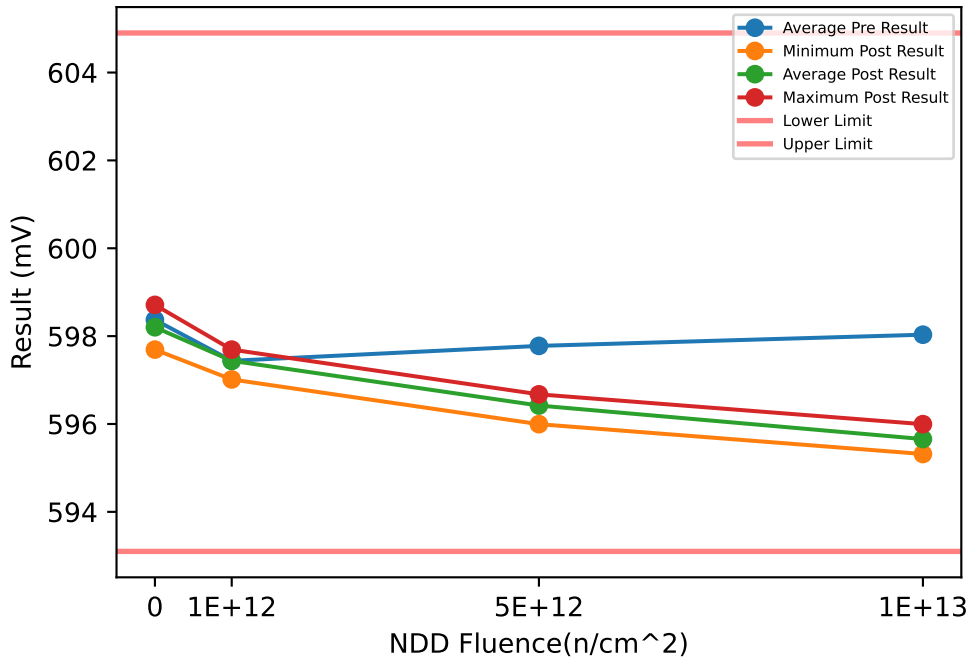


Test Statistics (mV)

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	497.3	497.74	498.18	0.61872	497.18	497.68	498.18	0.7064	-0.124	-0.062	0	0.087681
1e+12	491.31	498.3	502.8	4.9257	490.93	497.93	502.68	4.9835	-0.5	-0.37475	-0.125	0.17654
5e+12	500.8	501.89	503.8	1.3115	499.68	500.46	502.43	1.3155	-1.624	-1.4365	-1.124	0.23936
1e+13	493.43	496.99	502.43	3.8401	491.43	494.99	499.93	3.5636	-2.498	-1.9987	-1.624	0.36754

Device Test: 13.5 ; VTH_SENSE

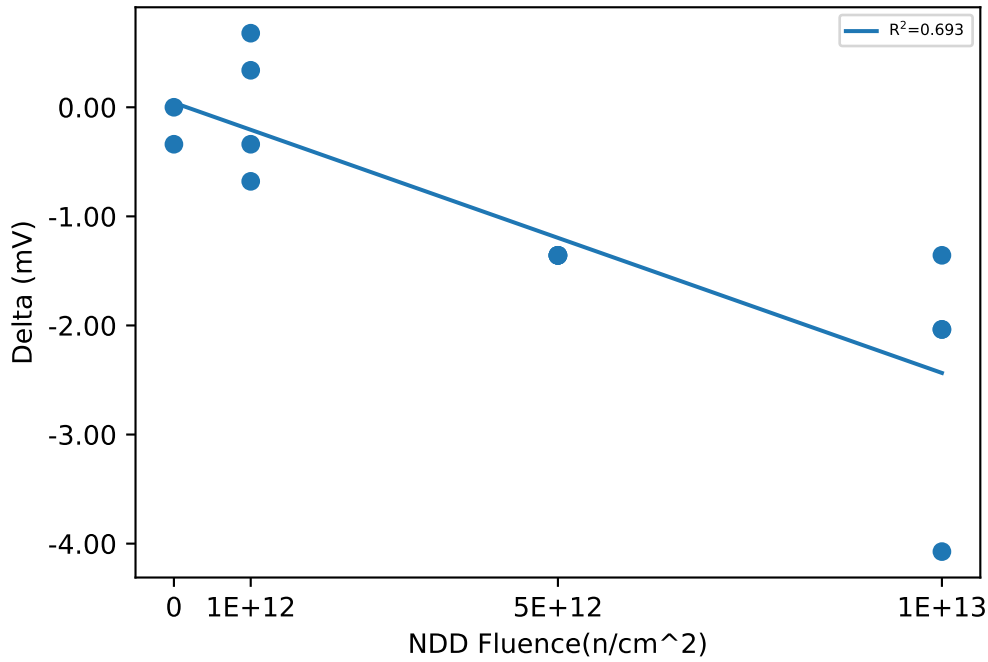
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	598.71	598.71	0
301	0	Correlation	598.03	597.69	-0.339
353	1e+12	NDD Unbiased	597.35	597.69	0.339
354	1e+12	NDD Unbiased	597.69	597.01	-0.679
355	1e+12	NDD Unbiased	597.69	597.35	-0.339
356	1e+12	NDD Unbiased	597.01	597.69	0.679
357	5e+12	NDD Unbiased	598.03	596.67	-1.357
358	5e+12	NDD Unbiased	597.35	596	-1.358
359	5e+12	NDD Unbiased	598.03	596.67	-1.357
360	5e+12	NDD Unbiased	597.69	596.34	-1.358
361	1e+13	NDD Unbiased	597.35	595.32	-2.037
362	1e+13	NDD Unbiased	597.69	595.66	-2.036
363	1e+13	NDD Unbiased	600.07	596	-4.073
364	1e+13	NDD Unbiased	597.01	595.66	-1.357

NDD vs Post - Pre Exposure Delta

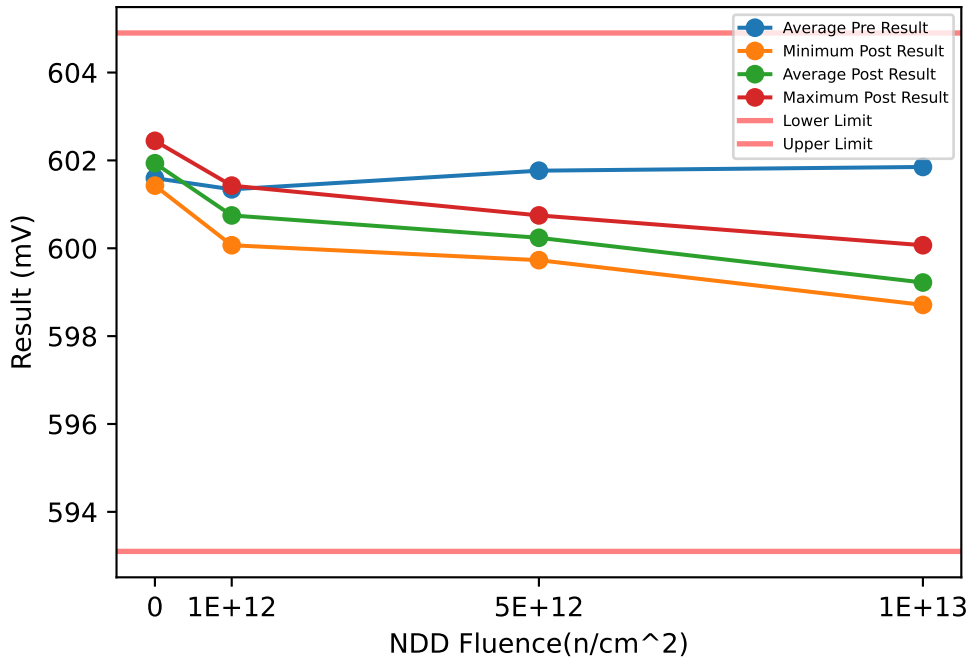


Test Statistics (mV)

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	598.03	598.37	598.71	0.48013	597.69	598.2	598.71	0.71983	-0.339	-0.1695	0	0.23971
1e+12	597.01	597.44	597.69	0.325	597.01	597.44	597.69	0.325	-0.679	0	0.679	0.61966
5e+12	597.35	597.78	598.03	0.32457	596	596.42	596.67	0.32509	-1.358	-1.3575	-1.357	0.00057735
1e+13	597.01	598.03	600.07	1.3857	595.32	595.66	596	0.2772	-4.073	-2.3757	-1.357	1.176

Device Test: 13.6 ; VTH_SENSE

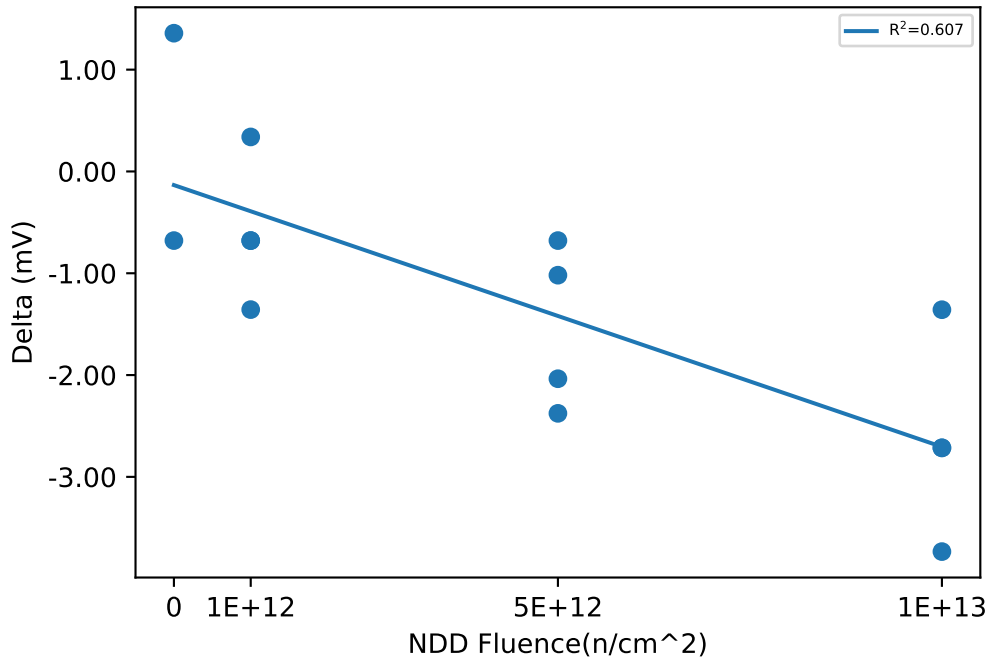
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	601.09	602.45	1.358
301	0	Correlation	602.11	601.43	-0.679
353	1e+12	NDD Unbiased	602.11	601.43	-0.679
354	1e+12	NDD Unbiased	601.43	600.07	-1.357
355	1e+12	NDD Unbiased	600.75	600.07	-0.679
356	1e+12	NDD Unbiased	601.09	601.43	0.339
357	5e+12	NDD Unbiased	602.78	600.75	-2.036
358	5e+12	NDD Unbiased	602.45	600.07	-2.376
359	5e+12	NDD Unbiased	600.75	599.73	-1.019
360	5e+12	NDD Unbiased	601.09	600.41	-0.679
361	1e+13	NDD Unbiased	600.75	599.39	-1.358
362	1e+13	NDD Unbiased	602.45	598.71	-3.734
363	1e+13	NDD Unbiased	602.78	600.07	-2.715
364	1e+13	NDD Unbiased	601.43	598.71	-2.715

NDD vs Post - Pre Exposure Delta

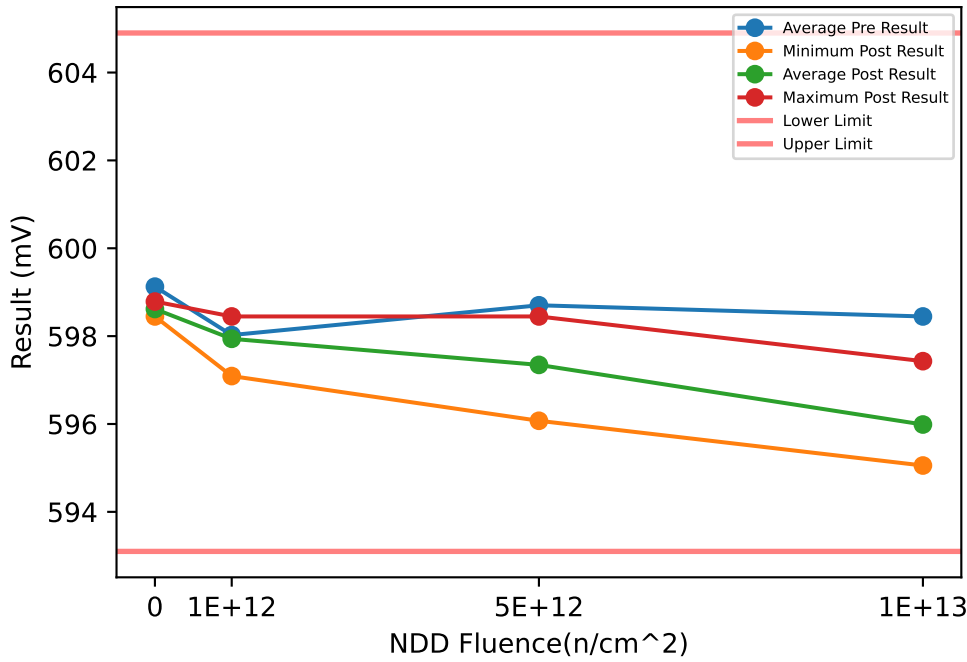


Test Statistics (mV)

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	601.09	601.6	602.11	0.71983	601.43	601.94	602.45	0.72054	-0.679	0.3395	1.358	1.4404
1e+12	600.75	601.34	602.11	0.57939	600.07	600.75	601.43	0.78346	-1.357	-0.594	0.339	0.69931
5e+12	600.75	601.77	602.78	0.99912	599.73	600.24	600.75	0.43842	-2.376	-1.5275	-0.679	0.80768
1e+13	600.75	601.85	602.78	0.93462	598.71	599.22	600.07	0.65009	-3.734	-2.6305	-1.358	0.97489

Device Test: 13.7 ; VTH_SENSE

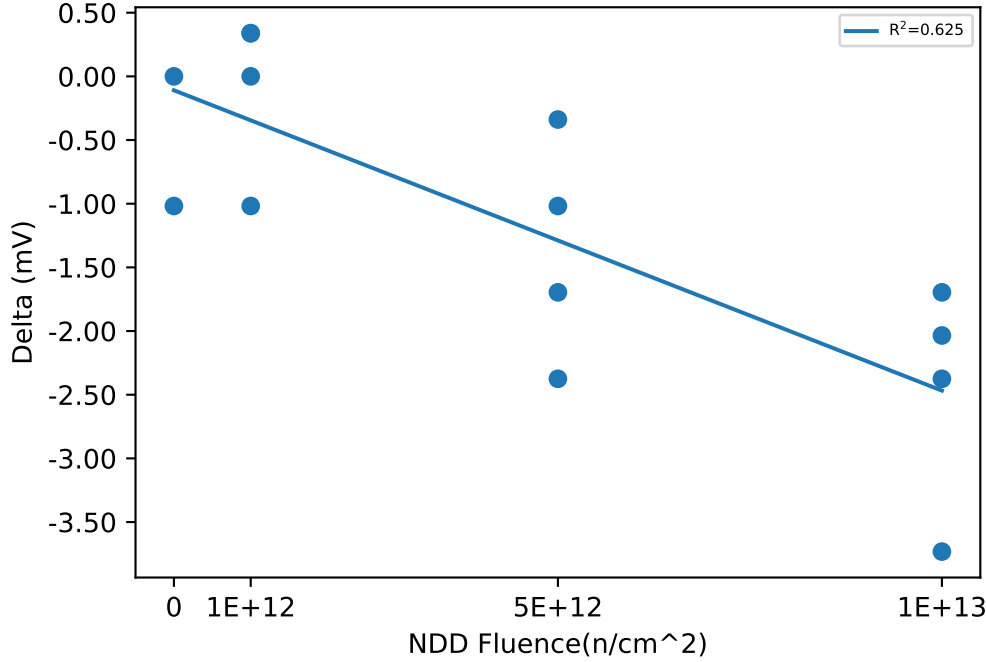
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.47	598.45	-1.018
301	0	Correlation	598.79	598.79	0
353	1e+12	NDD Unbiased	598.11	597.09	-1.018
354	1e+12	NDD Unbiased	597.77	597.77	0
355	1e+12	NDD Unbiased	598.11	598.45	0.339
356	1e+12	NDD Unbiased	598.11	598.45	0.339
357	5e+12	NDD Unbiased	598.79	598.45	-0.339
358	5e+12	NDD Unbiased	597.77	596.07	-1.696
359	5e+12	NDD Unbiased	599.47	597.09	-2.375
360	5e+12	NDD Unbiased	598.79	597.77	-1.018
361	1e+13	NDD Unbiased	598.79	595.05	-3.732
362	1e+13	NDD Unbiased	597.77	595.73	-2.035
363	1e+13	NDD Unbiased	599.13	597.43	-1.696
364	1e+13	NDD Unbiased	598.11	595.73	-2.375

NDD vs Post - Pre Exposure Delta

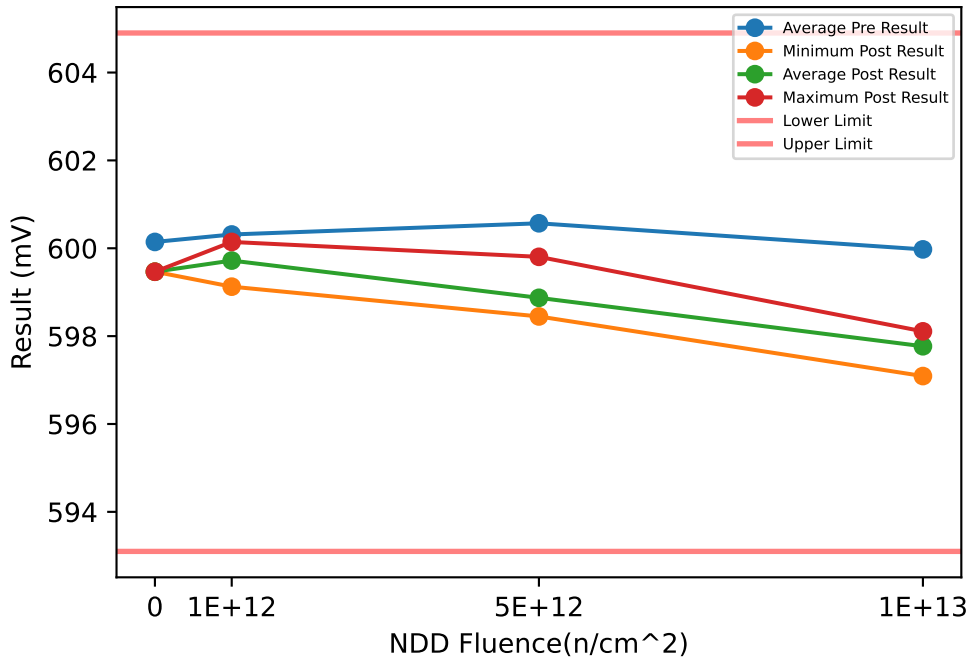


Test Statistics (mV)

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	598.79	599.13	599.47	0.48013	598.45	598.62	598.79	0.23971	-1.018	-0.509	0	0.71983
1e+12	597.77	598.02	598.11	0.17	597.09	597.94	598.45	0.64966	-1.018	-0.085	0.339	0.6422
5e+12	597.77	598.7	599.47	0.69967	596.07	597.35	598.45	1.0131	-2.375	-1.357	-0.339	0.87607
1e+13	597.77	598.45	599.13	0.61929	595.05	595.99	597.43	1.0131	-3.732	-2.4595	-1.696	0.89247

Device Test: 13.8 ; VTH_SENSE

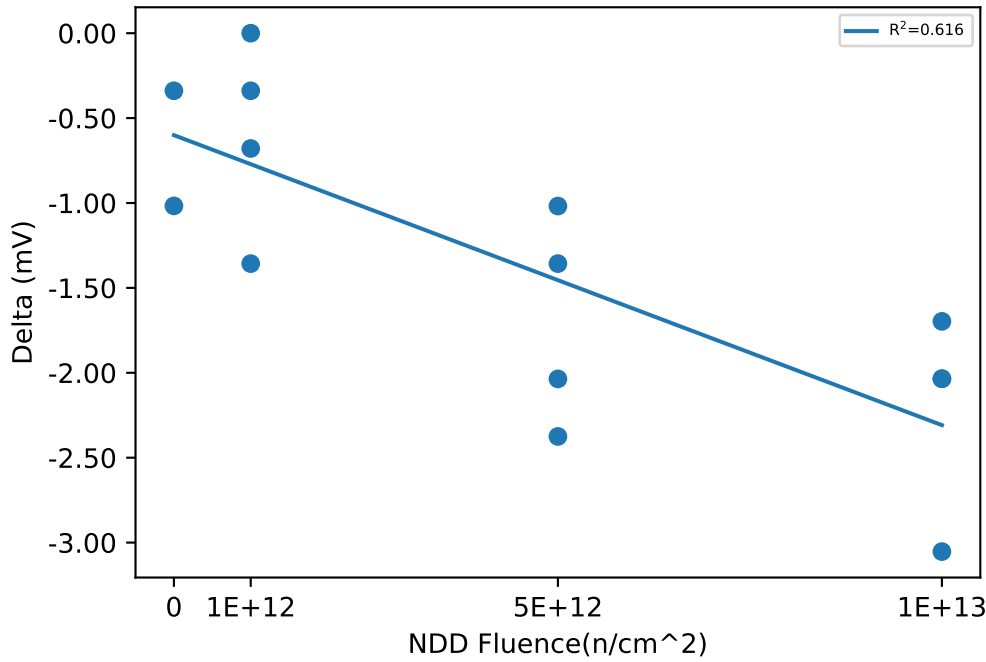
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	600.48	599.47	-1.017
301	0	Correlation	599.8	599.47	-0.339
353	1e+12	NDD Unbiased	599.8	599.47	-0.339
354	1e+12	NDD Unbiased	600.48	599.13	-1.357
355	1e+12	NDD Unbiased	600.82	600.14	-0.679
356	1e+12	NDD Unbiased	600.14	600.14	0
357	5e+12	NDD Unbiased	600.82	599.8	-1.018
358	5e+12	NDD Unbiased	599.8	598.45	-1.357
359	5e+12	NDD Unbiased	600.82	598.45	-2.375
360	5e+12	NDD Unbiased	600.82	598.79	-2.036
361	1e+13	NDD Unbiased	600.14	598.11	-2.035
362	1e+13	NDD Unbiased	600.14	597.09	-3.053
363	1e+13	NDD Unbiased	600.14	598.11	-2.035
364	1e+13	NDD Unbiased	599.47	597.77	-1.697

NDD vs Post - Pre Exposure Delta

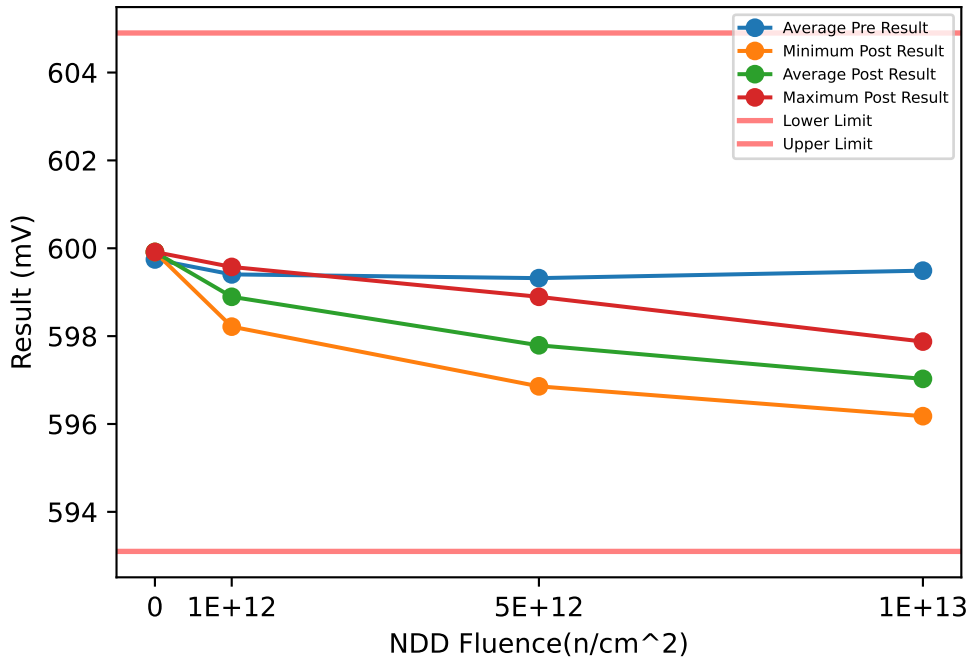


Test Statistics (mV)

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	599.8	600.14	600.48	0.47942	599.47	599.47	599.47	0	-1.017	-0.678	-0.339	0.47942
1e+12	599.8	600.31	600.82	0.43803	599.13	599.72	600.14	0.50889	-1.357	-0.59375	0	0.57944
5e+12	599.8	600.57	600.82	0.509	598.45	598.87	599.8	0.6422	-2.375	-1.6965	-1.018	0.61947
1e+13	599.47	599.97	600.14	0.339	597.09	597.77	598.11	0.47989	-3.053	-2.205	-1.697	0.58736

Device Test: 13.9 ; VTH_SENSE

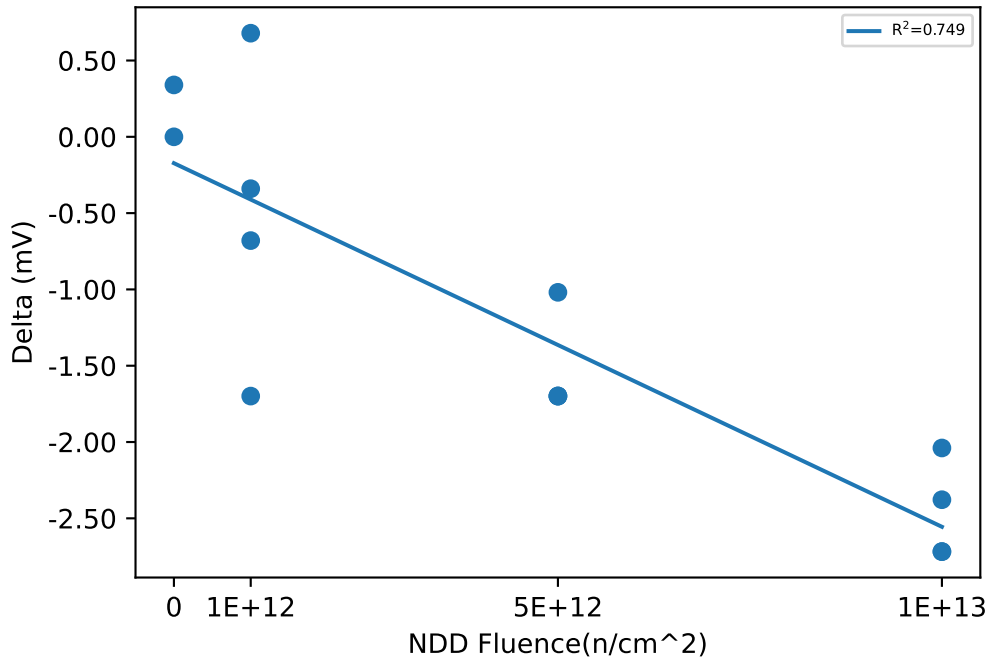
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	599.91	599.91	0
301	0	Correlation	599.58	599.91	0.34
353	1e+12	NDD Unbiased	598.22	598.89	0.679
354	1e+12	NDD Unbiased	599.91	598.22	-1.699
355	1e+12	NDD Unbiased	599.58	598.89	-0.68
356	1e+12	NDD Unbiased	599.91	599.58	-0.34
357	5e+12	NDD Unbiased	600.59	598.89	-1.699
358	5e+12	NDD Unbiased	598.56	596.86	-1.699
359	5e+12	NDD Unbiased	599.24	597.54	-1.698
360	5e+12	NDD Unbiased	598.89	597.88	-1.019
361	1e+13	NDD Unbiased	599.58	596.86	-2.718
362	1e+13	NDD Unbiased	599.91	597.88	-2.039
363	1e+13	NDD Unbiased	599.91	597.2	-2.718
364	1e+13	NDD Unbiased	598.56	596.18	-2.378

NDD vs Post - Pre Exposure Delta

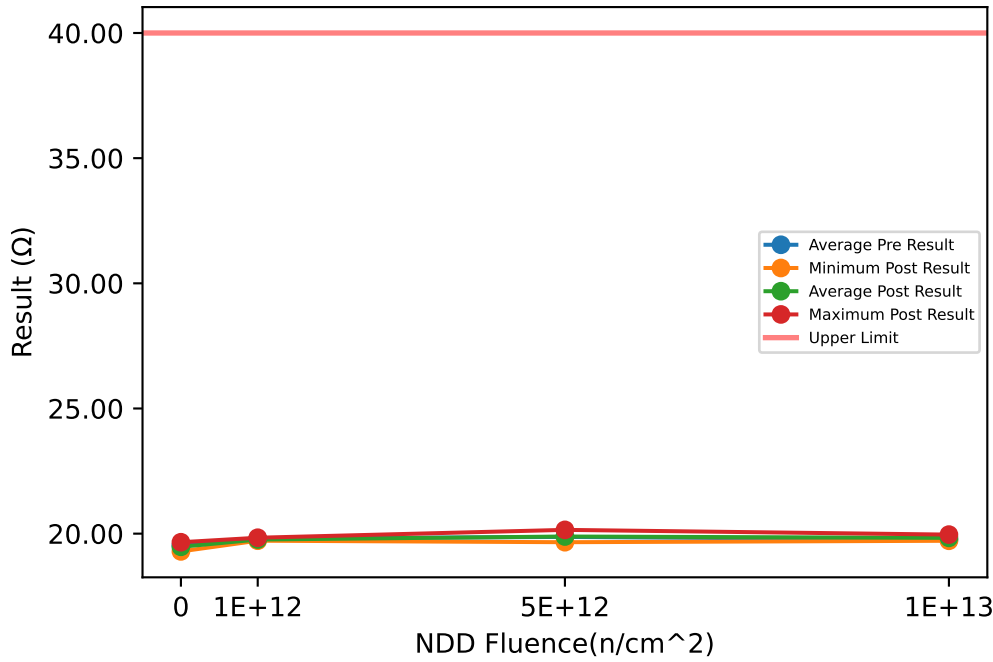


Test Statistics (mV)

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	599.58	599.75	599.91	0.24042	599.91	599.91	599.91	0	0	0.17	0.34	0.24042
1e+12	598.22	599.41	599.91	0.80887	598.22	598.9	599.58	0.55481	-1.699	-0.51	0.679	0.98069
5e+12	598.56	599.32	600.59	0.89342	596.86	597.79	598.89	0.8491	-1.699	-1.5288	-1.019	0.33983
1e+13	598.56	599.49	599.91	0.64313	596.18	597.03	597.88	0.70697	-2.718	-2.4633	-2.039	0.32509

Device Test: 18.0 ; RESET_RPMOS_LOW_V

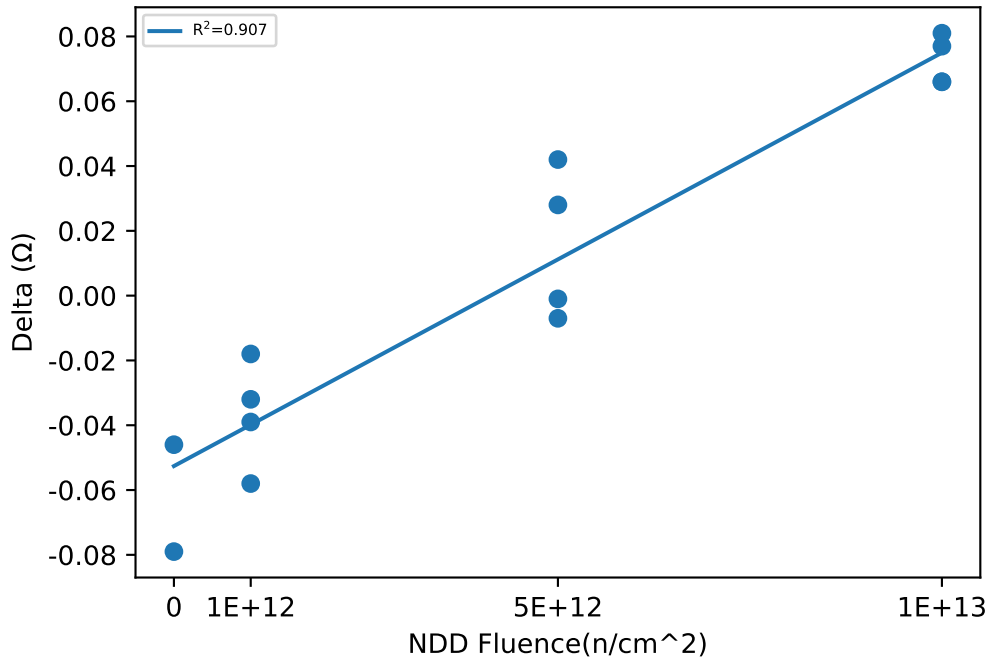
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.736	19.657	-0.079
301	0	Correlation	19.337	19.291	-0.046
353	1e+12	NDD Unbiased	19.8	19.761	-0.039
354	1e+12	NDD Unbiased	19.776	19.718	-0.058
355	1e+12	NDD Unbiased	19.855	19.837	-0.018
356	1e+12	NDD Unbiased	19.776	19.744	-0.032
357	5e+12	NDD Unbiased	19.665	19.658	-0.007
358	5e+12	NDD Unbiased	20.152	20.151	-0.001
359	5e+12	NDD Unbiased	19.803	19.845	0.042
360	5e+12	NDD Unbiased	19.861	19.889	0.028
361	1e+13	NDD Unbiased	19.789	19.855	0.066
362	1e+13	NDD Unbiased	19.885	19.962	0.077
363	1e+13	NDD Unbiased	19.634	19.715	0.081
364	1e+13	NDD Unbiased	19.728	19.794	0.066

NDD vs Post - Pre Exposure Delta

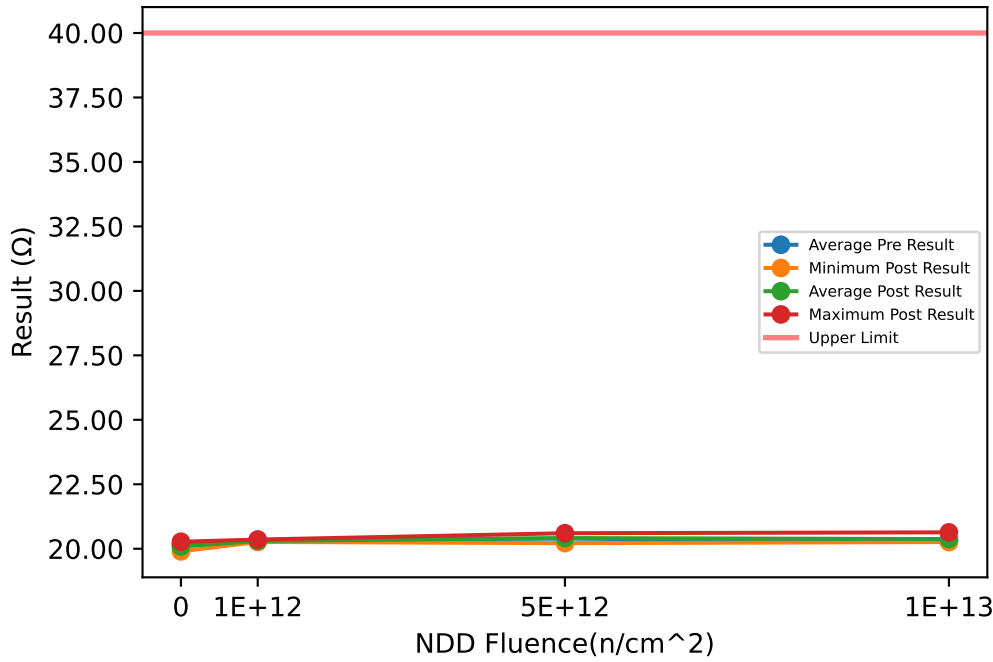


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.337	19.537	19.736	0.28214	19.291	19.474	19.657	0.2588	-0.079	-0.0625	-0.046	0.023335
1e+12	19.776	19.802	19.855	0.037259	19.718	19.765	19.837	0.051153	-0.058	-0.03675	-0.018	0.016641
5e+12	19.665	19.87	20.152	0.20504	19.658	19.886	20.151	0.20322	-0.007	0.0155	0.042	0.02336
1e+13	19.634	19.759	19.885	0.10545	19.715	19.831	19.962	0.10418	0.066	0.0725	0.081	0.0076811

Device Test: 18.1 ; RESET_RPMOS_LOW_V

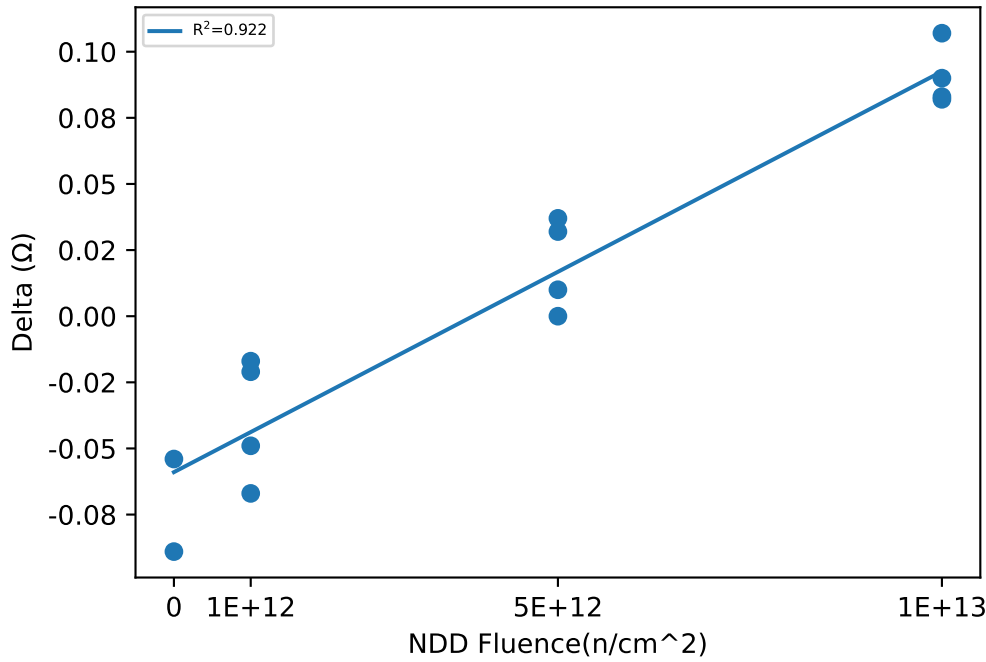
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.361	20.272	-0.089
301	0	Correlation	19.951	19.897	-0.054
353	1e+12	NDD Unbiased	20.384	20.317	-0.067
354	1e+12	NDD Unbiased	20.316	20.267	-0.049
355	1e+12	NDD Unbiased	20.28	20.263	-0.017
356	1e+12	NDD Unbiased	20.377	20.356	-0.021
357	5e+12	NDD Unbiased	20.216	20.216	0
358	5e+12	NDD Unbiased	20.592	20.602	0.01
359	5e+12	NDD Unbiased	20.308	20.34	0.032
360	5e+12	NDD Unbiased	20.461	20.498	0.037
361	1e+13	NDD Unbiased	20.261	20.344	0.083
362	1e+13	NDD Unbiased	20.546	20.636	0.09
363	1e+13	NDD Unbiased	20.16	20.267	0.107
364	1e+13	NDD Unbiased	20.177	20.259	0.082

NDD vs Post - Pre Exposure Delta

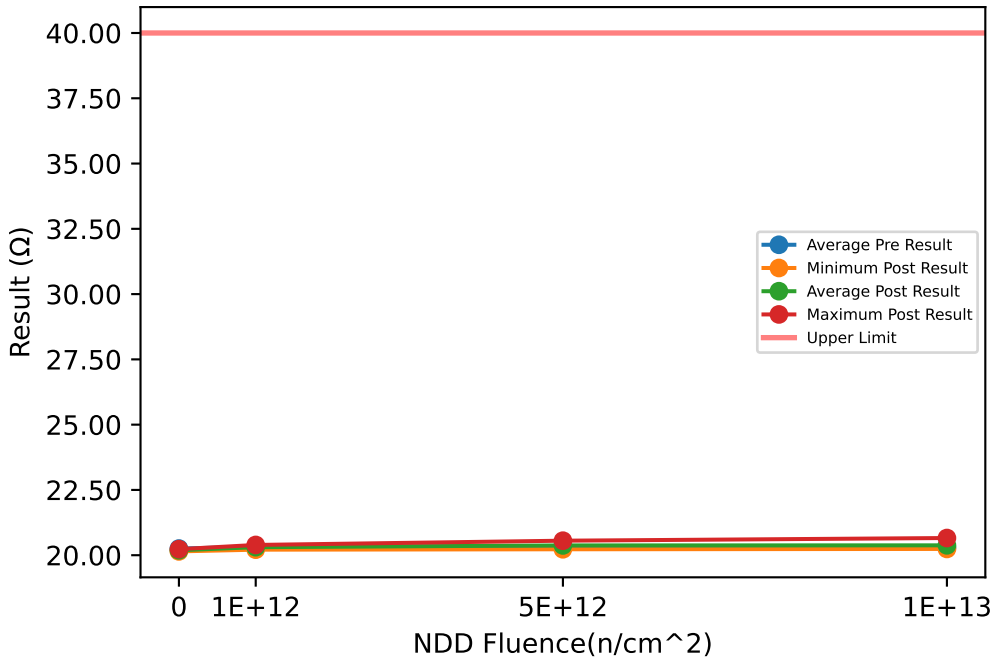


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.951	20.156	20.361	0.28991	19.897	20.084	20.272	0.26517	-0.089	-0.0715	-0.054	0.024749
1e+12	20.28	20.339	20.384	0.049929	20.263	20.301	20.356	0.044275	-0.067	-0.0385	-0.017	0.023742
5e+12	20.216	20.394	20.592	0.16611	20.216	20.414	20.602	0.17037	0	0.01975	0.037	0.017633
1e+13	20.16	20.286	20.546	0.17887	20.259	20.377	20.636	0.17719	0.082	0.0905	0.107	0.011561

Device Test: 18.10 ; PWRGD_RPMOS_LOW_V

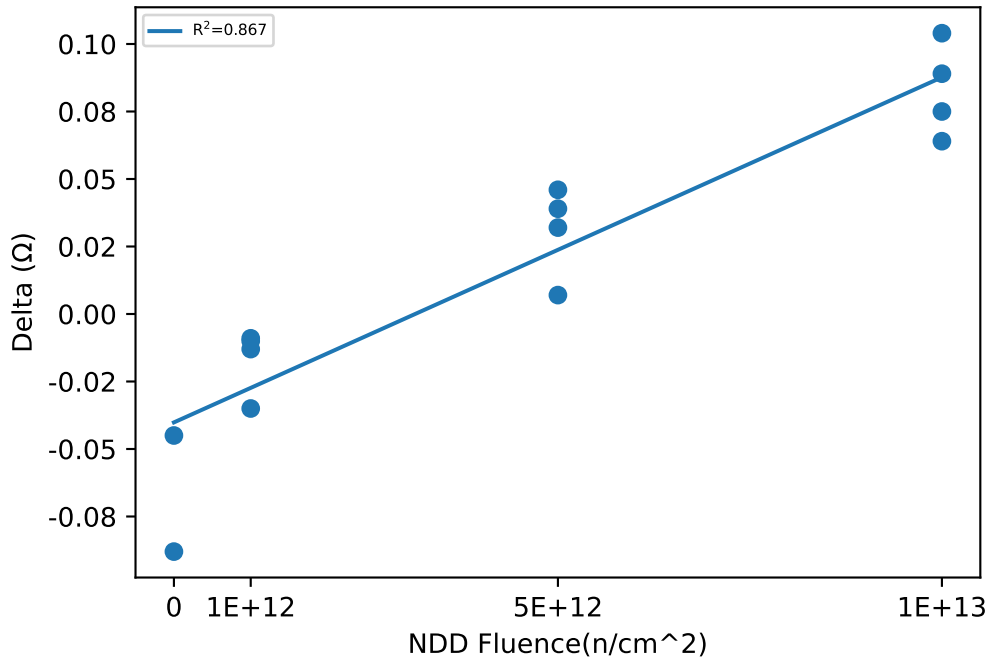
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.319	20.231	-0.088
301	0	Correlation	20.191	20.146	-0.045
353	1e+12	NDD Unbiased	20.247	20.212	-0.035
354	1e+12	NDD Unbiased	20.268	20.258	-0.01
355	1e+12	NDD Unbiased	20.375	20.366	-0.009
356	1e+12	NDD Unbiased	20.406	20.393	-0.013
357	5e+12	NDD Unbiased	20.22	20.227	0.007
358	5e+12	NDD Unbiased	20.524	20.556	0.032
359	5e+12	NDD Unbiased	20.215	20.261	0.046
360	5e+12	NDD Unbiased	20.417	20.456	0.039
361	1e+13	NDD Unbiased	20.202	20.266	0.064
362	1e+13	NDD Unbiased	20.554	20.658	0.104
363	1e+13	NDD Unbiased	20.151	20.24	0.089
364	1e+13	NDD Unbiased	20.275	20.35	0.075

NDD vs Post - Pre Exposure Delta

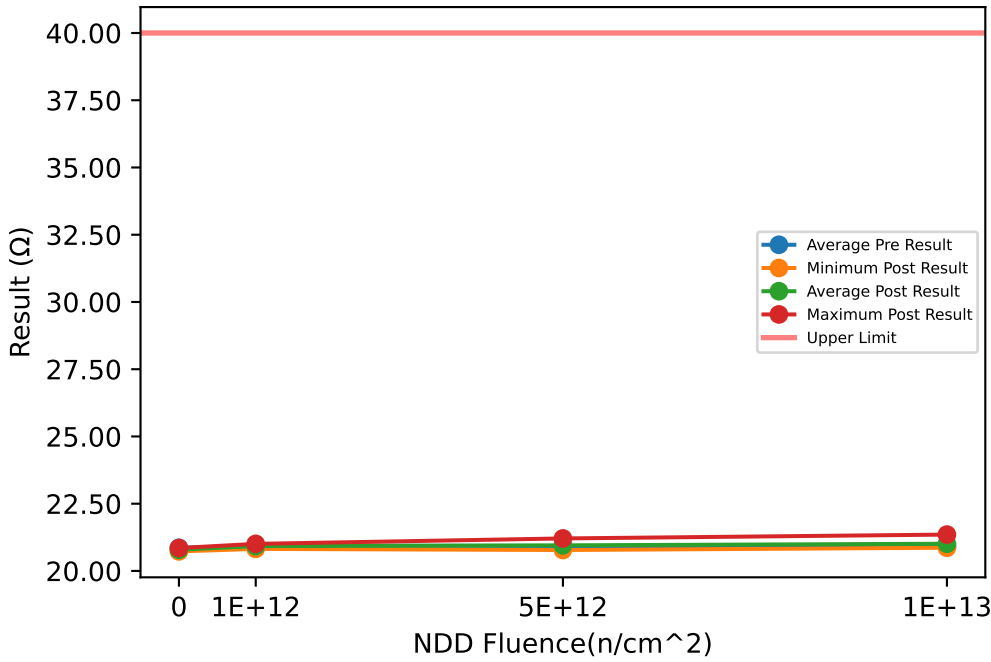


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.191	20.255	20.319	0.09051	20.146	20.189	20.231	0.060104	-0.088	-0.0665	-0.045	0.030406
1e+12	20.247	20.324	20.406	0.078294	20.212	20.307	20.393	0.086222	-0.035	-0.01675	-0.009	0.012285
5e+12	20.215	20.344	20.524	0.15248	20.227	20.375	20.556	0.15729	0.007	0.031	0.046	0.01699
1e+13	20.151	20.296	20.554	0.17969	20.24	20.378	20.658	0.19216	0.064	0.083	0.104	0.01734

Device Test: 18.11 ; WDO_RPMOS_LOW_V

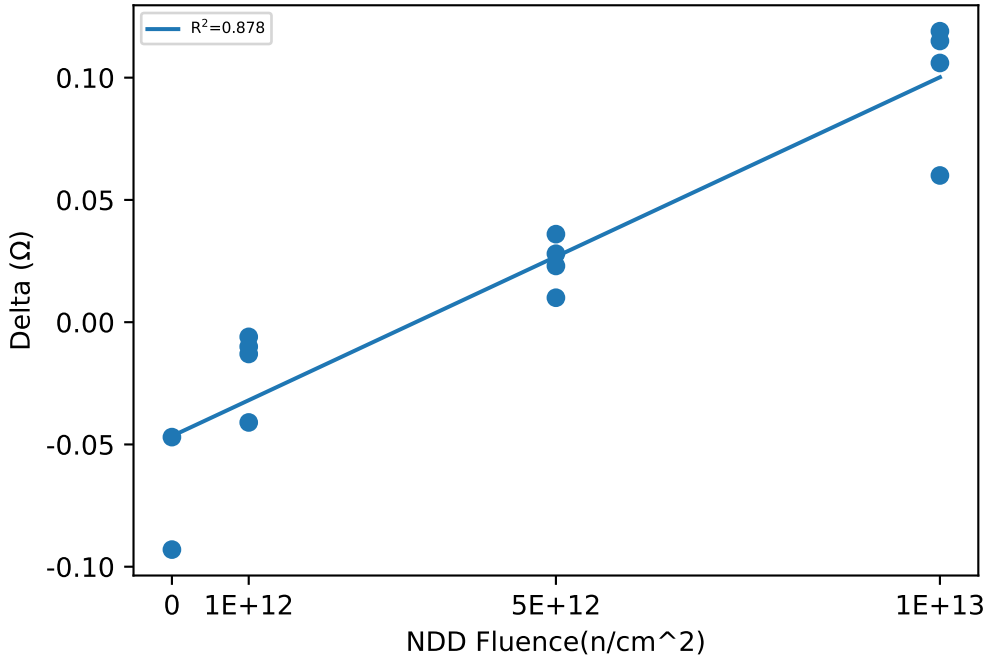
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.945	20.852	-0.093
301	0	Correlation	20.774	20.727	-0.047
353	1e+12	NDD Unbiased	20.861	20.82	-0.041
354	1e+12	NDD Unbiased	20.92	20.914	-0.006
355	1e+12	NDD Unbiased	20.968	20.955	-0.013
356	1e+12	NDD Unbiased	21.017	21.007	-0.01
357	5e+12	NDD Unbiased	20.768	20.778	0.01
358	5e+12	NDD Unbiased	21.186	21.209	0.023
359	5e+12	NDD Unbiased	20.761	20.789	0.028
360	5e+12	NDD Unbiased	20.997	21.033	0.036
361	1e+13	NDD Unbiased	20.815	20.875	0.06
362	1e+13	NDD Unbiased	21.233	21.352	0.119
363	1e+13	NDD Unbiased	20.748	20.863	0.115
364	1e+13	NDD Unbiased	20.85	20.956	0.106

NDD vs Post - Pre Exposure Delta

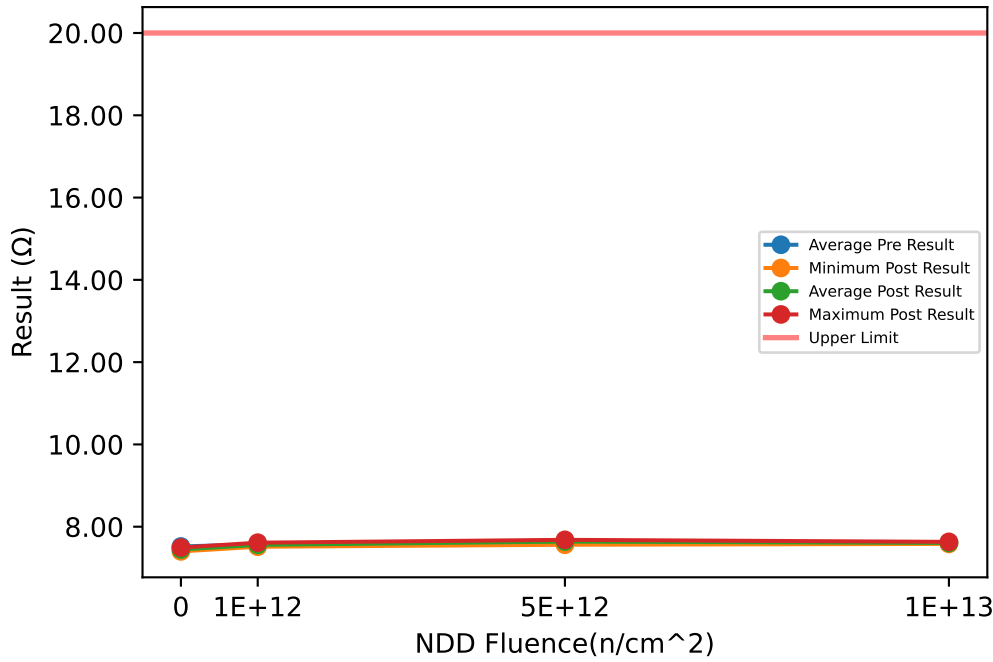


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.774	20.86	20.945	0.12092	20.727	20.79	20.852	0.088388	-0.093	-0.07	-0.047	0.032527
1e+12	20.861	20.942	21.017	0.066696	20.82	20.924	21.007	0.079091	-0.041	-0.0175	-0.006	0.015927
5e+12	20.761	20.928	21.186	0.20397	20.778	20.952	21.209	0.20773	0.01	0.02425	0.036	0.010905
1e+13	20.748	20.912	21.233	0.21847	20.863	21.011	21.352	0.23073	0.06	0.1	0.119	0.027215

Device Test: 18.12 ; RESET_RPMOS_HIGH_V

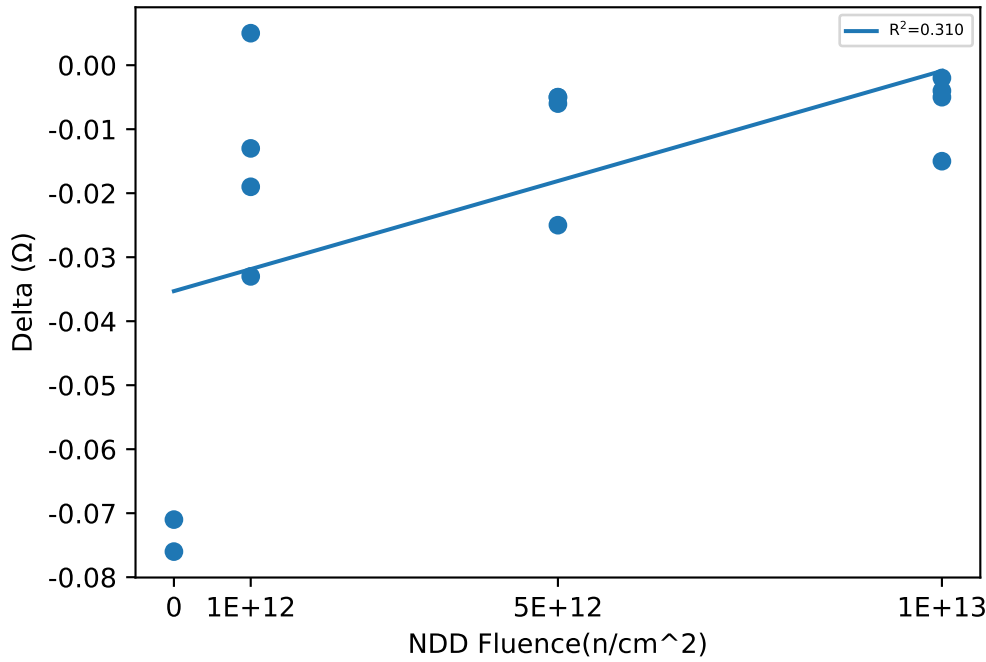
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.569	7.493	-0.076
301	0	Correlation	7.471	7.4	-0.071
353	1e+12	NDD Unbiased	7.558	7.545	-0.013
354	1e+12	NDD Unbiased	7.546	7.513	-0.033
355	1e+12	NDD Unbiased	7.583	7.564	-0.019
356	1e+12	NDD Unbiased	7.607	7.612	0.005
357	5e+12	NDD Unbiased	7.566	7.561	-0.005
358	5e+12	NDD Unbiased	7.706	7.681	-0.025
359	5e+12	NDD Unbiased	7.672	7.667	-0.005
360	5e+12	NDD Unbiased	7.649	7.643	-0.006
361	1e+13	NDD Unbiased	7.647	7.632	-0.015
362	1e+13	NDD Unbiased	7.616	7.611	-0.005
363	1e+13	NDD Unbiased	7.6	7.596	-0.004
364	1e+13	NDD Unbiased	7.584	7.582	-0.002

NDD vs Post - Pre Exposure Delta

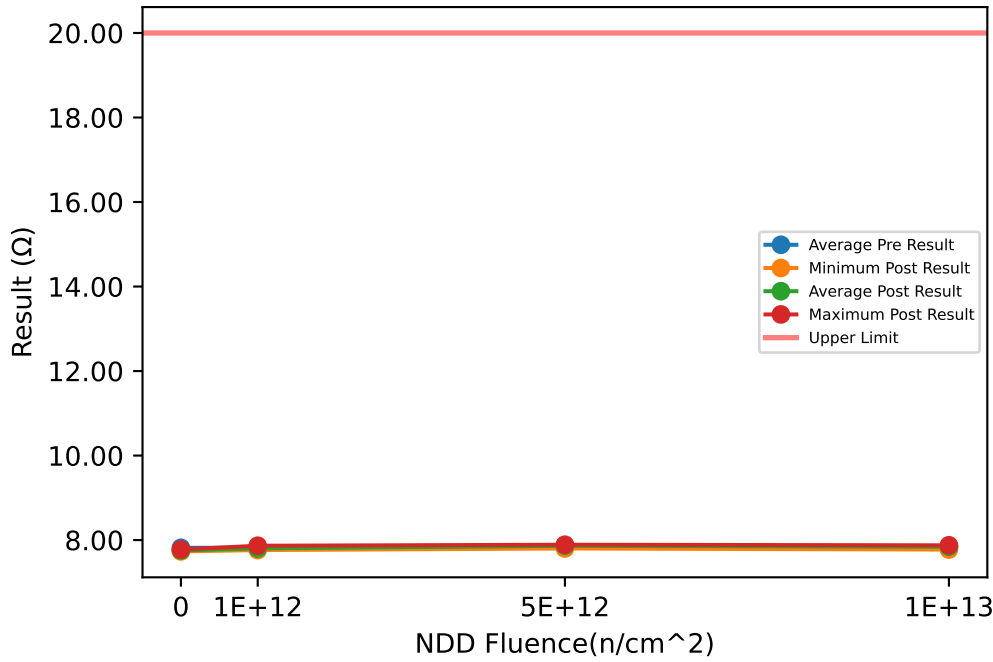


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.471	7.52	7.569	0.069296	7.4	7.4465	7.493	0.065761	-0.076	-0.0735	-0.071	0.0035355
1e+12	7.546	7.5735	7.607	0.027135	7.513	7.5585	7.612	0.041413	-0.033	-0.015	0.005	0.015748
5e+12	7.566	7.6482	7.706	0.059623	7.561	7.638	7.681	0.053678	-0.025	-0.01025	-0.005	0.0098446
1e+13	7.584	7.6117	7.647	0.026887	7.582	7.6052	7.632	0.021407	-0.015	-0.0065	-0.002	0.0058023

Device Test: 18.13 ; RESET_RPMOS_HIGH_V

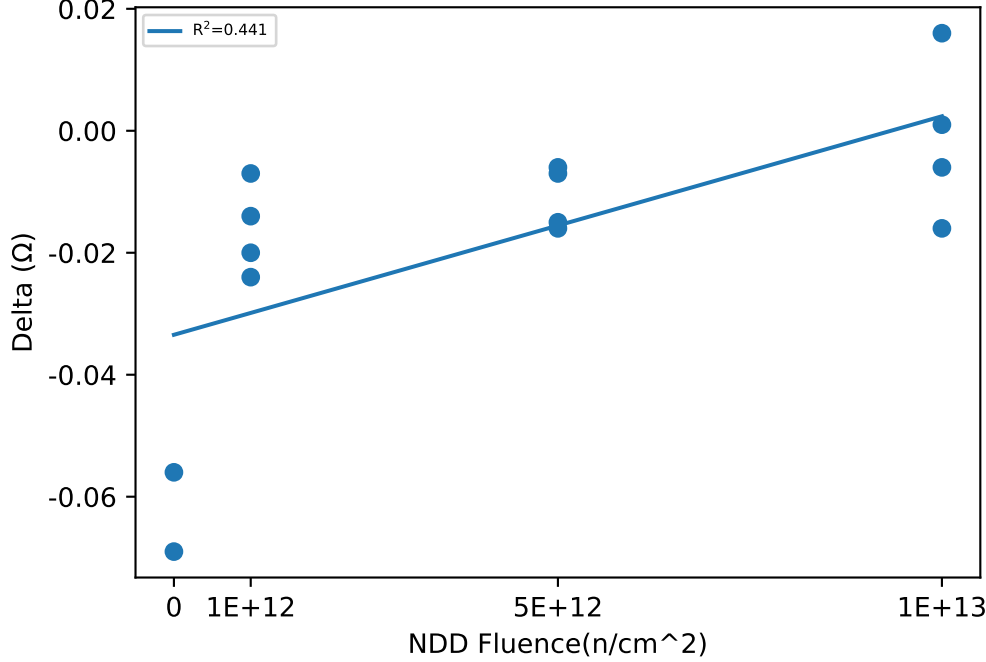
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.846	7.777	-0.069
301	0	Correlation	7.788	7.732	-0.056
353	1e+12	NDD Unbiased	7.803	7.796	-0.007
354	1e+12	NDD Unbiased	7.783	7.763	-0.02
355	1e+12	NDD Unbiased	7.798	7.784	-0.014
356	1e+12	NDD Unbiased	7.89	7.866	-0.024
357	5e+12	NDD Unbiased	7.817	7.801	-0.016
358	5e+12	NDD Unbiased	7.897	7.89	-0.007
359	5e+12	NDD Unbiased	7.888	7.882	-0.006
360	5e+12	NDD Unbiased	7.902	7.887	-0.015
361	1e+13	NDD Unbiased	7.875	7.876	0.001
362	1e+13	NDD Unbiased	7.881	7.865	-0.016
363	1e+13	NDD Unbiased	7.843	7.859	0.016
364	1e+13	NDD Unbiased	7.781	7.775	-0.006

NDD vs Post - Pre Exposure Delta

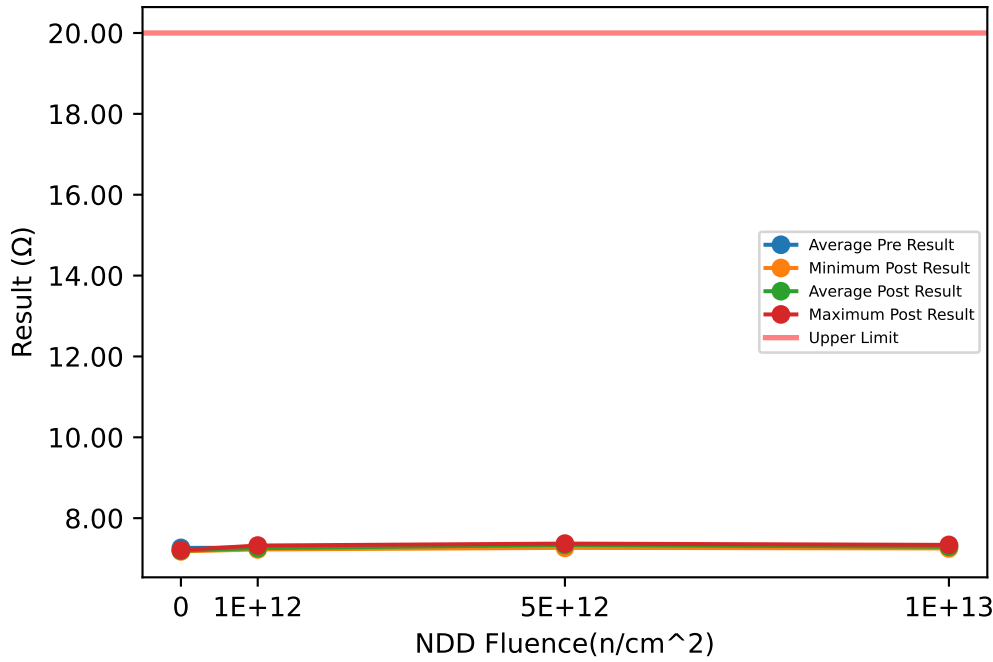


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.788	7.817	7.846	0.041012	7.732	7.7545	7.777	0.03182	-0.069	-0.0625	-0.056	0.0091924
1e+12	7.783	7.8185	7.89	0.048418	7.763	7.8022	7.866	0.044635	-0.024	-0.01625	-0.007	0.0074106
5e+12	7.817	7.876	7.902	0.039758	7.801	7.865	7.89	0.042794	-0.016	-0.011	-0.006	0.0052281
1e+13	7.781	7.845	7.881	0.045811	7.775	7.8438	7.876	0.046371	-0.016	-0.00125	0.016	0.013451

Device Test: 18.14 ; RESET_RPMOS_HIGH_V

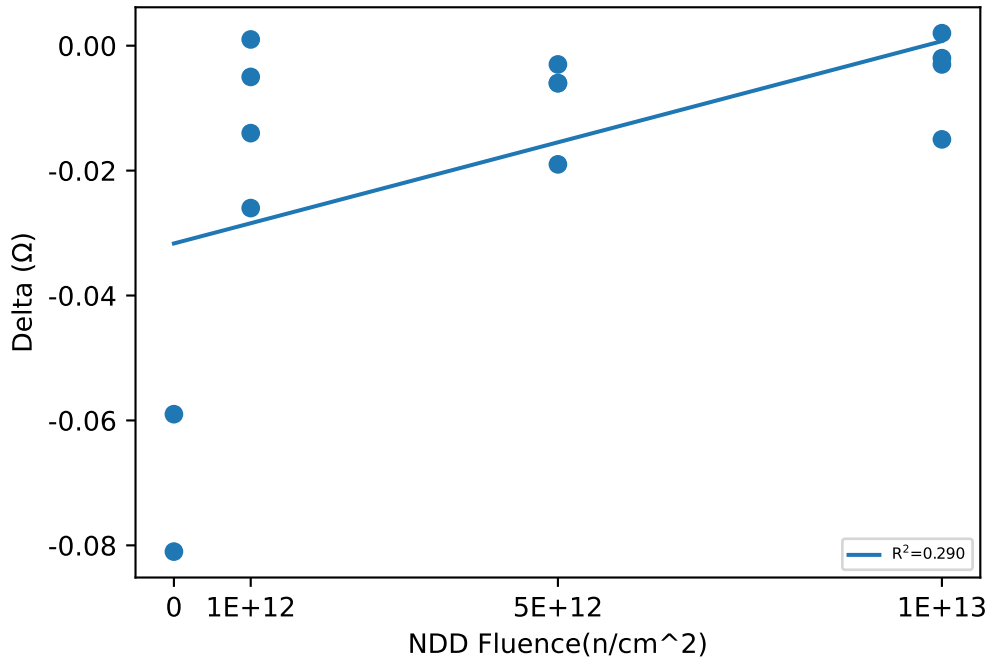
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.293	7.212	-0.081
301	0	Correlation	7.237	7.178	-0.059
353	1e+12	NDD Unbiased	7.247	7.248	0.001
354	1e+12	NDD Unbiased	7.231	7.226	-0.005
355	1e+12	NDD Unbiased	7.26	7.234	-0.026
356	1e+12	NDD Unbiased	7.337	7.323	-0.014
357	5e+12	NDD Unbiased	7.284	7.265	-0.019
358	5e+12	NDD Unbiased	7.377	7.371	-0.006
359	5e+12	NDD Unbiased	7.366	7.36	-0.006
360	5e+12	NDD Unbiased	7.358	7.355	-0.003
361	1e+13	NDD Unbiased	7.28	7.277	-0.003
362	1e+13	NDD Unbiased	7.341	7.339	-0.002
363	1e+13	NDD Unbiased	7.3	7.302	0.002
364	1e+13	NDD Unbiased	7.266	7.251	-0.015

NDD vs Post - Pre Exposure Delta

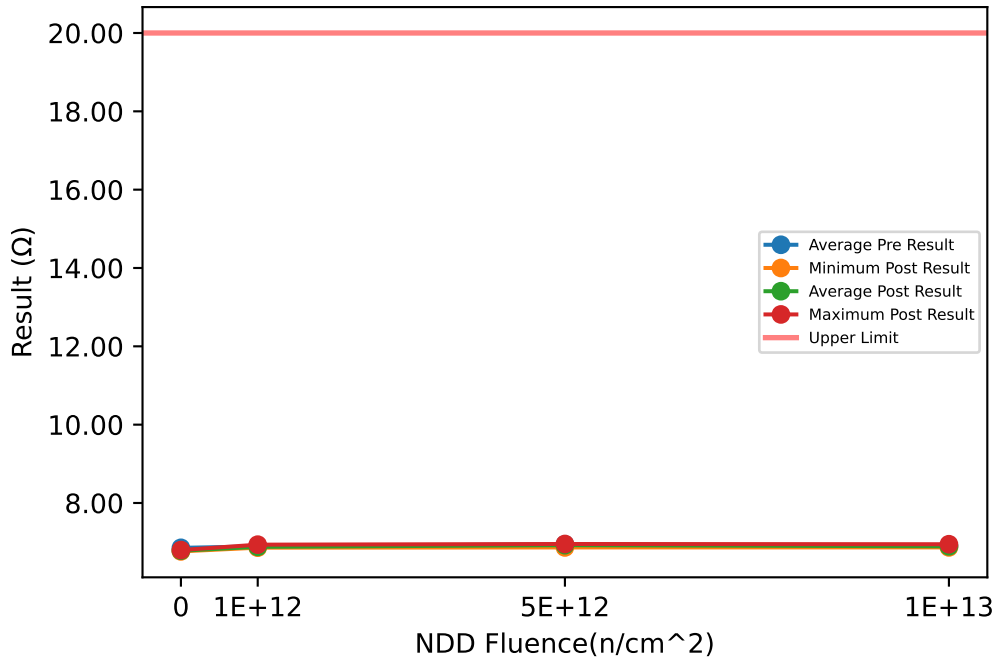


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.237	7.265	7.293	0.039598	7.178	7.195	7.212	0.024042	-0.081	-0.07	-0.059	0.015556
1e+12	7.231	7.2687	7.337	0.04702	7.226	7.2577	7.323	0.04444	-0.026	-0.011	0.001	0.011747
5e+12	7.284	7.3462	7.377	0.042225	7.265	7.3377	7.371	0.048958	-0.019	-0.0085	-0.003	0.0071414
1e+13	7.266	7.2968	7.341	0.032633	7.251	7.2923	7.339	0.037482	-0.015	-0.0045	0.002	0.0073258

Device Test: 18.15 ; RESET_RPMOS_HIGH_V

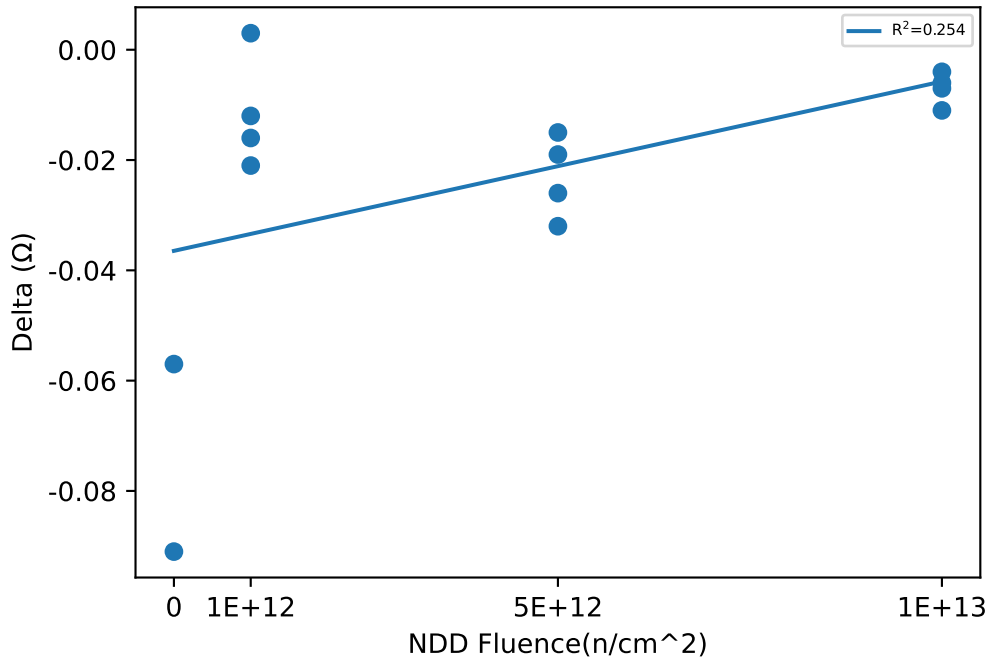
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	6.889	6.798	-0.091
301	0	Correlation	6.821	6.764	-0.057
353	1e+12	NDD Unbiased	6.871	6.859	-0.012
354	1e+12	NDD Unbiased	6.886	6.865	-0.021
355	1e+12	NDD Unbiased	6.859	6.862	0.003
356	1e+12	NDD Unbiased	6.952	6.936	-0.016
357	5e+12	NDD Unbiased	6.891	6.865	-0.026
358	5e+12	NDD Unbiased	6.969	6.937	-0.032
359	5e+12	NDD Unbiased	6.972	6.953	-0.019
360	5e+12	NDD Unbiased	6.949	6.934	-0.015
361	1e+13	NDD Unbiased	6.894	6.888	-0.006
362	1e+13	NDD Unbiased	6.954	6.947	-0.007
363	1e+13	NDD Unbiased	6.877	6.866	-0.011
364	1e+13	NDD Unbiased	6.879	6.875	-0.004

NDD vs Post - Pre Exposure Delta

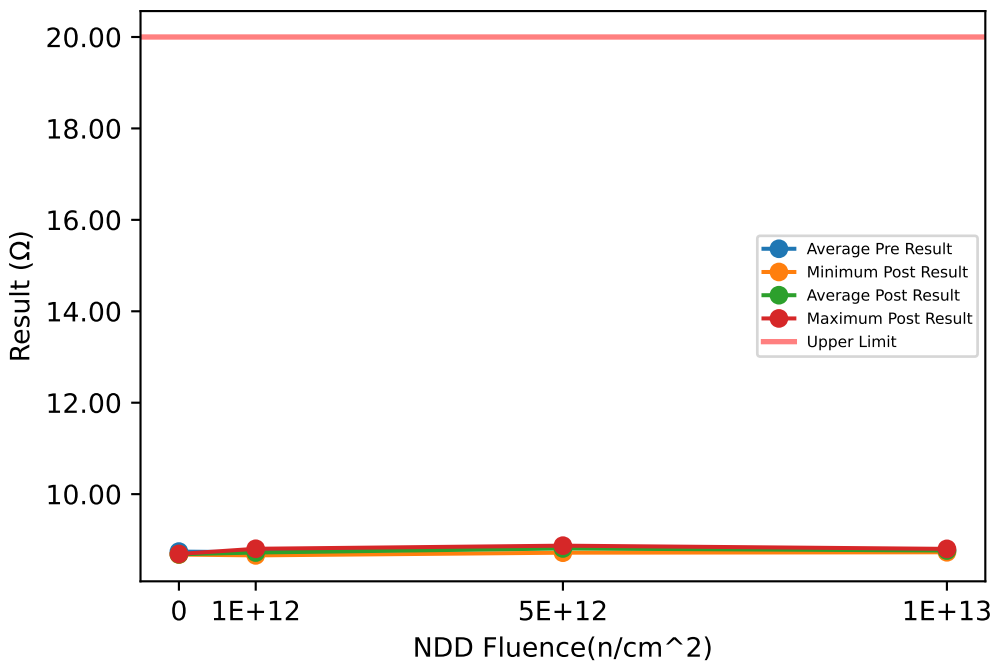


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.821	6.855	6.889	0.048083	6.764	6.781	6.798	0.024042	-0.091	-0.074	-0.057	0.024042
1e+12	6.859	6.892	6.952	0.041497	6.859	6.8805	6.936	0.037081	-0.021	-0.0115	0.003	0.010344
5e+12	6.891	6.9452	6.972	0.03758	6.865	6.9223	6.953	0.039067	-0.032	-0.023	-0.015	0.0075277
1e+13	6.877	6.901	6.954	0.036139	6.866	6.894	6.947	0.036469	-0.011	-0.007	-0.004	0.0029439

Device Test: 18.16 ; PWRGD_RPMOS_HIGH_V

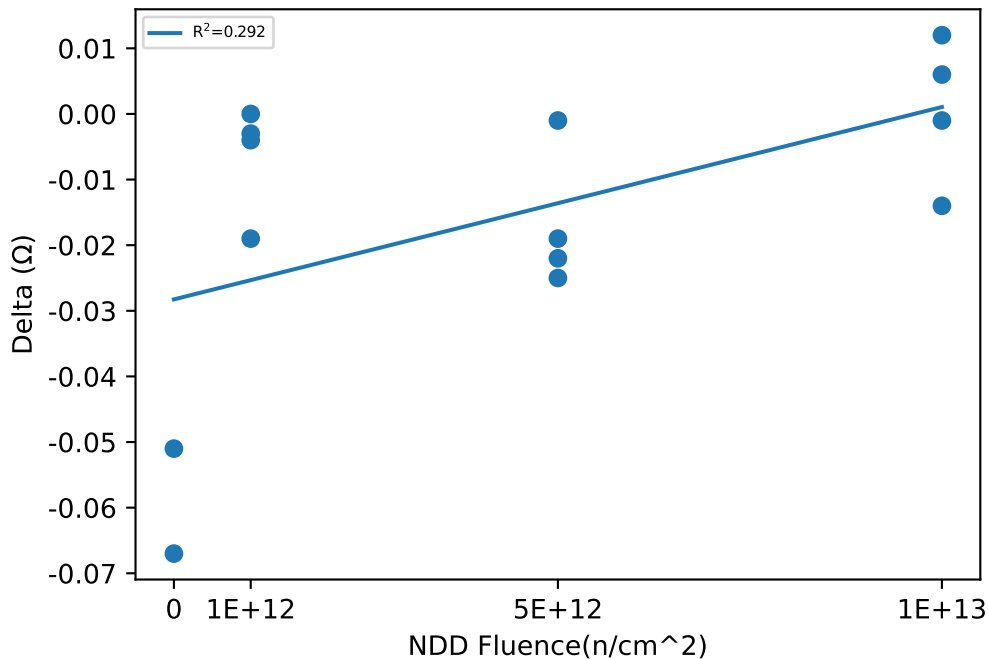
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	8.745	8.678	-0.067
301	0	Correlation	8.742	8.691	-0.051
353	1e+12	NDD Unbiased	8.685	8.681	-0.004
354	1e+12	NDD Unbiased	8.679	8.66	-0.019
355	1e+12	NDD Unbiased	8.747	8.744	-0.003
356	1e+12	NDD Unbiased	8.805	8.805	0
357	5e+12	NDD Unbiased	8.744	8.719	-0.025
358	5e+12	NDD Unbiased	8.824	8.802	-0.022
359	5e+12	NDD Unbiased	8.854	8.853	-0.001
360	5e+12	NDD Unbiased	8.892	8.873	-0.019
361	1e+13	NDD Unbiased	8.771	8.77	-0.001
362	1e+13	NDD Unbiased	8.817	8.803	-0.014
363	1e+13	NDD Unbiased	8.759	8.765	0.006
364	1e+13	NDD Unbiased	8.716	8.728	0.012

NDD vs Post - Pre Exposure Delta

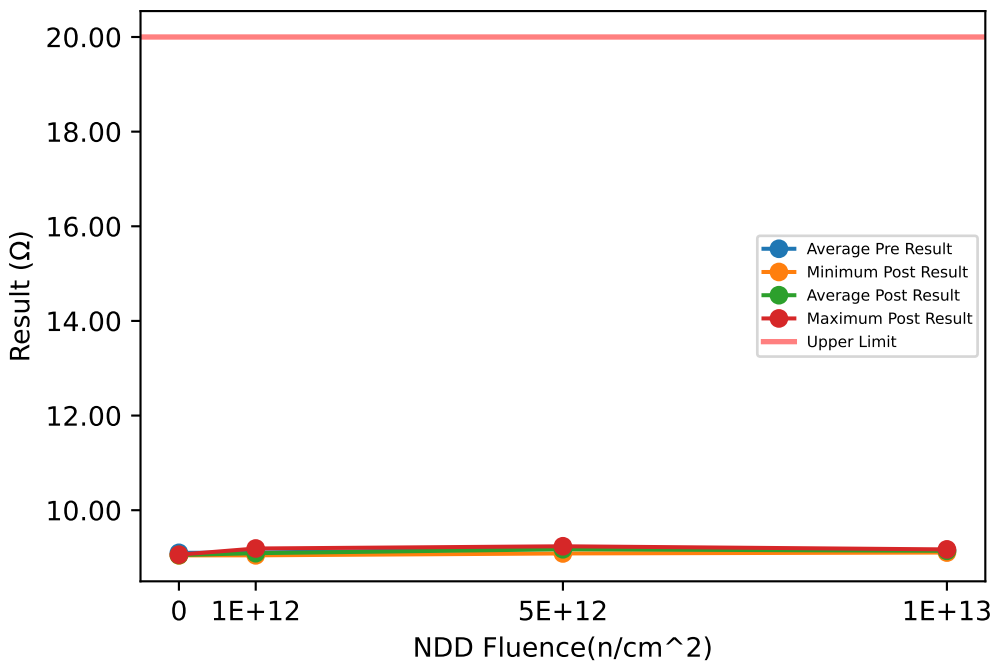


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.742	8.7435	8.745	0.0021213	8.678	8.6845	8.691	0.0091924	-0.067	-0.059	-0.051	0.011314
1e+12	8.679	8.729	8.805	0.059262	8.66	8.7225	8.805	0.065567	-0.019	-0.0065	0	0.0085049
5e+12	8.744	8.8285	8.892	0.06283	8.719	8.8117	8.873	0.06868	-0.025	-0.01675	-0.001	0.010782
1e+13	8.716	8.7658	8.817	0.041532	8.728	8.7665	8.803	0.030708	-0.014	0.00075	0.012	0.011177

Device Test: 18.17 ; WDO_RPMOS_HIGH_V

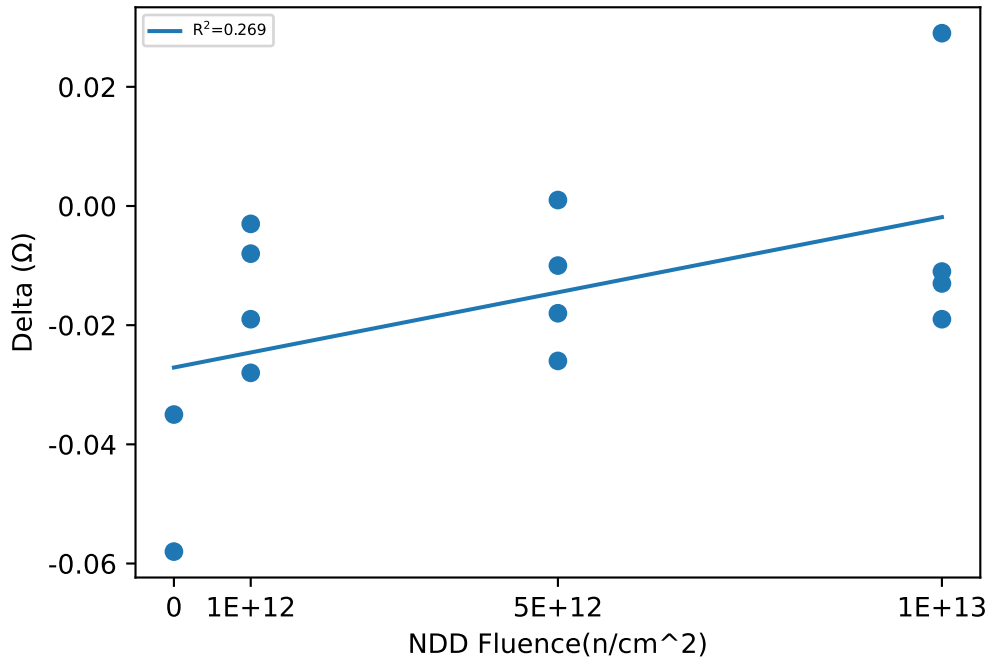
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	9.103	9.045	-0.058
301	0	Correlation	9.095	9.06	-0.035
353	1e+12	NDD Unbiased	9.056	9.048	-0.008
354	1e+12	NDD Unbiased	9.074	9.046	-0.028
355	1e+12	NDD Unbiased	9.1	9.081	-0.019
356	1e+12	NDD Unbiased	9.194	9.191	-0.003
357	5e+12	NDD Unbiased	9.096	9.086	-0.01
358	5e+12	NDD Unbiased	9.187	9.161	-0.026
359	5e+12	NDD Unbiased	9.211	9.212	0.001
360	5e+12	NDD Unbiased	9.256	9.238	-0.018
361	1e+13	NDD Unbiased	9.159	9.148	-0.011
362	1e+13	NDD Unbiased	9.191	9.172	-0.019
363	1e+13	NDD Unbiased	9.154	9.141	-0.013
364	1e+13	NDD Unbiased	9.076	9.105	0.029

NDD vs Post - Pre Exposure Delta

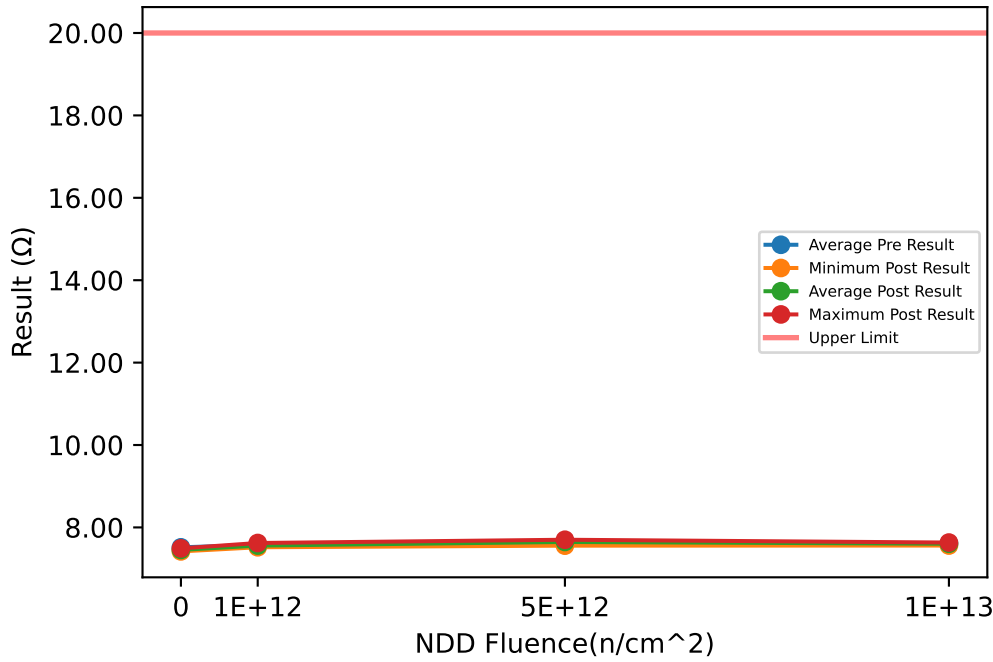


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.095	9.099	9.103	0.0056569	9.045	9.0525	9.06	0.010607	-0.058	-0.0465	-0.035	0.016263
1e+12	9.056	9.106	9.194	0.061384	9.046	9.0915	9.191	0.068247	-0.028	-0.0145	-0.003	0.01121
5e+12	9.096	9.1875	9.256	0.067372	9.086	9.1743	9.238	0.066965	-0.026	-0.01325	0.001	0.011529
1e+13	9.076	9.145	9.191	0.048833	9.105	9.1415	9.172	0.027719	-0.019	-0.0035	0.029	0.021932

Device Test: 18.18 ; RESET_RPMOS_HIGH_V

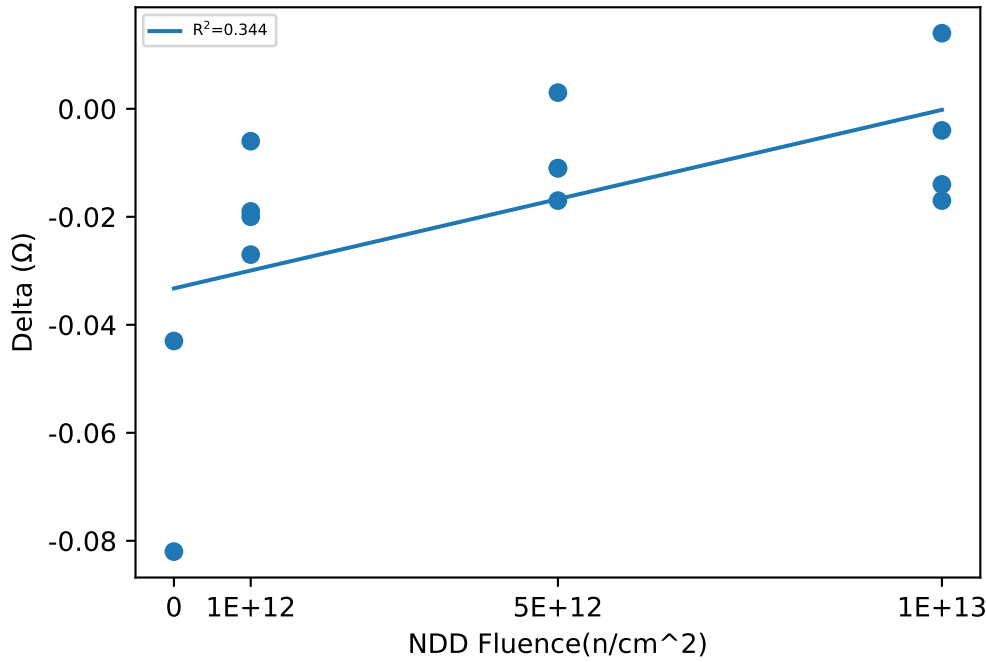
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.573	7.491	-0.082
301	0	Correlation	7.461	7.418	-0.043
353	1e+12	NDD Unbiased	7.567	7.54	-0.027
354	1e+12	NDD Unbiased	7.538	7.518	-0.02
355	1e+12	NDD Unbiased	7.574	7.555	-0.019
356	1e+12	NDD Unbiased	7.628	7.622	-0.006
357	5e+12	NDD Unbiased	7.554	7.557	0.003
358	5e+12	NDD Unbiased	7.718	7.701	-0.017
359	5e+12	NDD Unbiased	7.682	7.671	-0.011
360	5e+12	NDD Unbiased	7.67	7.659	-0.011
361	1e+13	NDD Unbiased	7.637	7.633	-0.004
362	1e+13	NDD Unbiased	7.609	7.623	0.014
363	1e+13	NDD Unbiased	7.611	7.597	-0.014
364	1e+13	NDD Unbiased	7.577	7.56	-0.017

NDD vs Post - Pre Exposure Delta

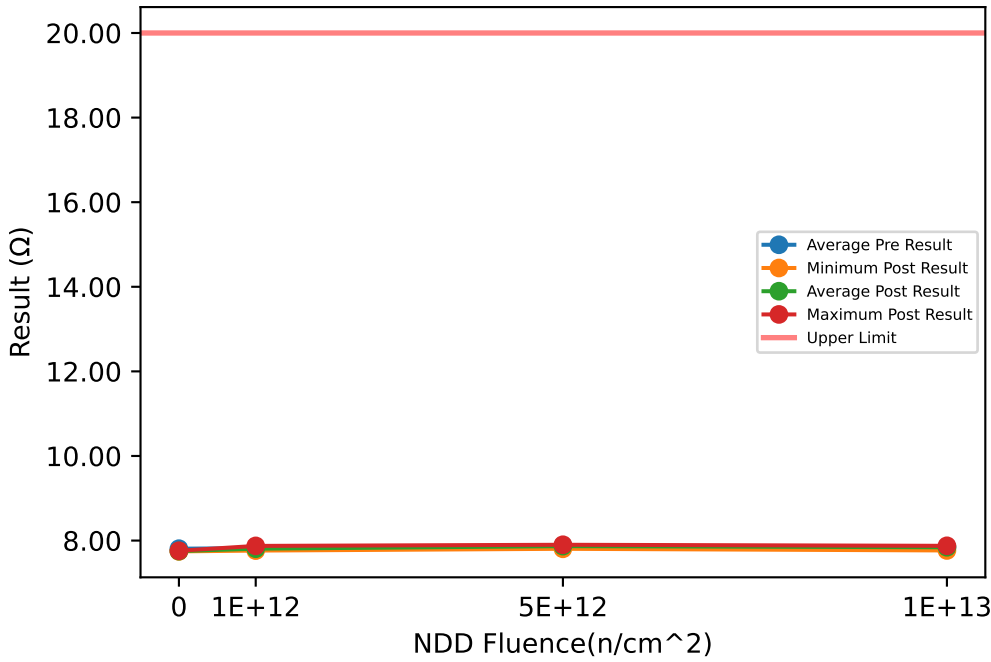


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.461	7.517	7.573	0.079196	7.418	7.4545	7.491	0.051619	-0.082	-0.0625	-0.043	0.027577
1e+12	7.538	7.5768	7.628	0.037553	7.518	7.5587	7.622	0.044821	-0.027	-0.018	-0.006	0.008756
5e+12	7.554	7.656	7.718	0.070993	7.557	7.647	7.701	0.062546	-0.017	-0.009	0.003	0.0084853
1e+13	7.577	7.6085	7.637	0.02457	7.56	7.6033	7.633	0.032582	-0.017	-0.00525	0.014	0.013985

Device Test: 18.19 ; RESET_RPMOS_HIGH_V

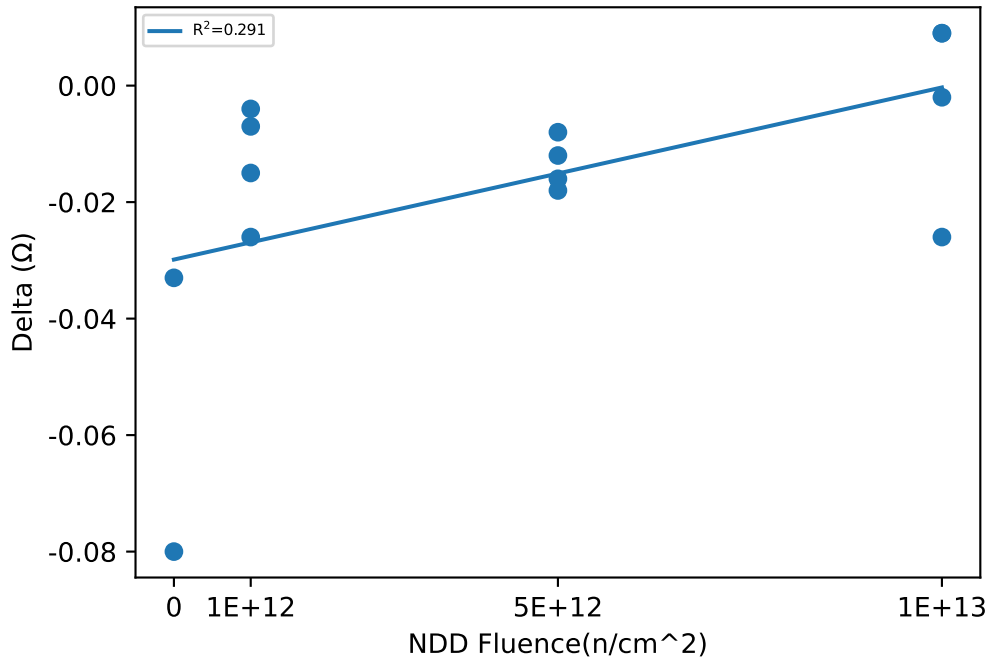
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.839	7.759	-0.08
301	0	Correlation	7.777	7.744	-0.033
353	1e+12	NDD Unbiased	7.811	7.804	-0.007
354	1e+12	NDD Unbiased	7.789	7.763	-0.026
355	1e+12	NDD Unbiased	7.794	7.79	-0.004
356	1e+12	NDD Unbiased	7.889	7.874	-0.015
357	5e+12	NDD Unbiased	7.821	7.805	-0.016
358	5e+12	NDD Unbiased	7.905	7.887	-0.018
359	5e+12	NDD Unbiased	7.891	7.879	-0.012
360	5e+12	NDD Unbiased	7.909	7.901	-0.008
361	1e+13	NDD Unbiased	7.867	7.876	0.009
362	1e+13	NDD Unbiased	7.877	7.875	-0.002
363	1e+13	NDD Unbiased	7.841	7.85	0.009
364	1e+13	NDD Unbiased	7.792	7.766	-0.026

NDD vs Post - Pre Exposure Delta

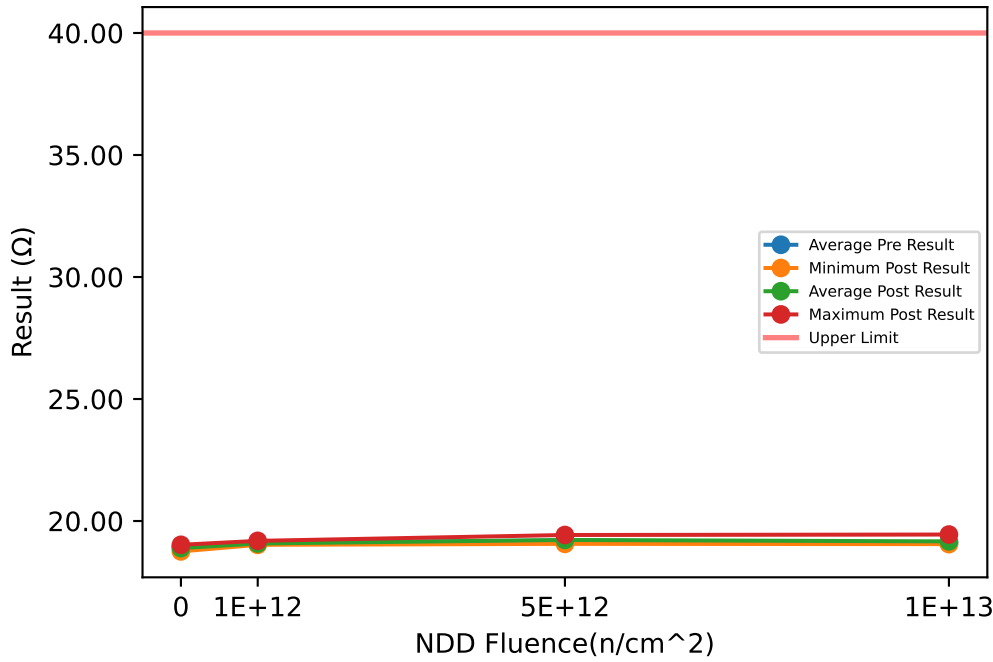


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.777	7.808	7.839	0.043841	7.744	7.7515	7.759	0.010607	-0.08	-0.0565	-0.033	0.033234
1e+12	7.789	7.8208	7.889	0.046464	7.763	7.8078	7.874	0.047331	-0.026	-0.013	-0.004	0.0098319
5e+12	7.821	7.8815	7.909	0.041065	7.805	7.868	7.901	0.042973	-0.018	-0.0135	-0.008	0.0044347
1e+13	7.792	7.8442	7.877	0.037995	7.766	7.8418	7.876	0.051913	-0.026	-0.0025	0.009	0.016503

Device Test: 18.2 ; RESET_RPMOS_LOW_V

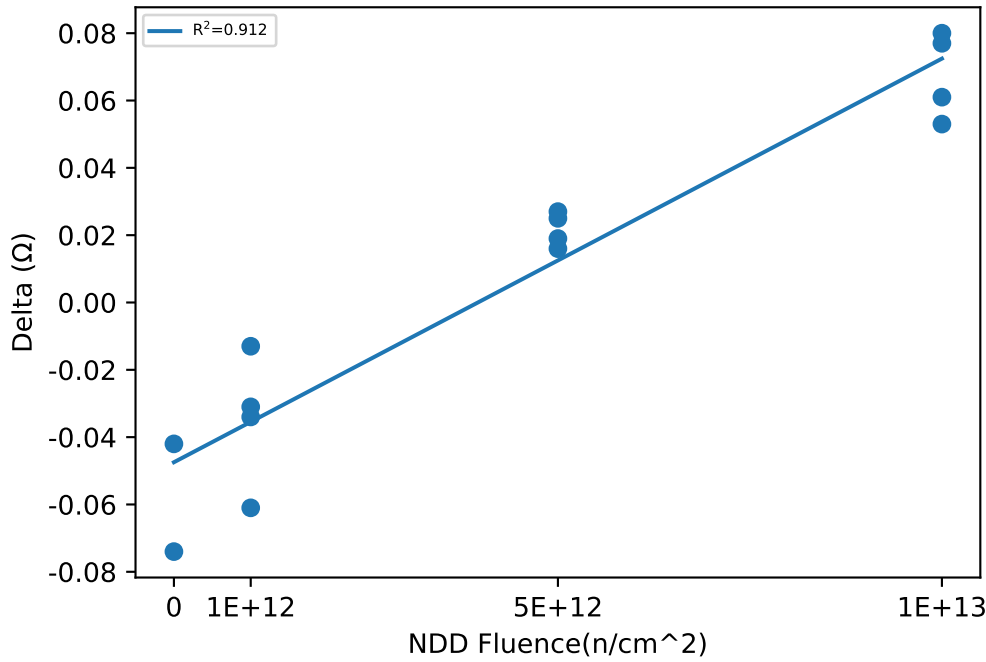
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.099	19.025	-0.074
301	0	Correlation	18.797	18.755	-0.042
353	1e+12	NDD Unbiased	19.102	19.041	-0.061
354	1e+12	NDD Unbiased	19.1	19.066	-0.034
355	1e+12	NDD Unbiased	19.055	19.024	-0.031
356	1e+12	NDD Unbiased	19.2	19.187	-0.013
357	5e+12	NDD Unbiased	19.048	19.064	0.016
358	5e+12	NDD Unbiased	19.408	19.427	0.019
359	5e+12	NDD Unbiased	19.142	19.167	0.025
360	5e+12	NDD Unbiased	19.212	19.239	0.027
361	1e+13	NDD Unbiased	19	19.053	0.053
362	1e+13	NDD Unbiased	19.369	19.446	0.077
363	1e+13	NDD Unbiased	18.981	19.061	0.08
364	1e+13	NDD Unbiased	19.039	19.1	0.061

NDD vs Post - Pre Exposure Delta

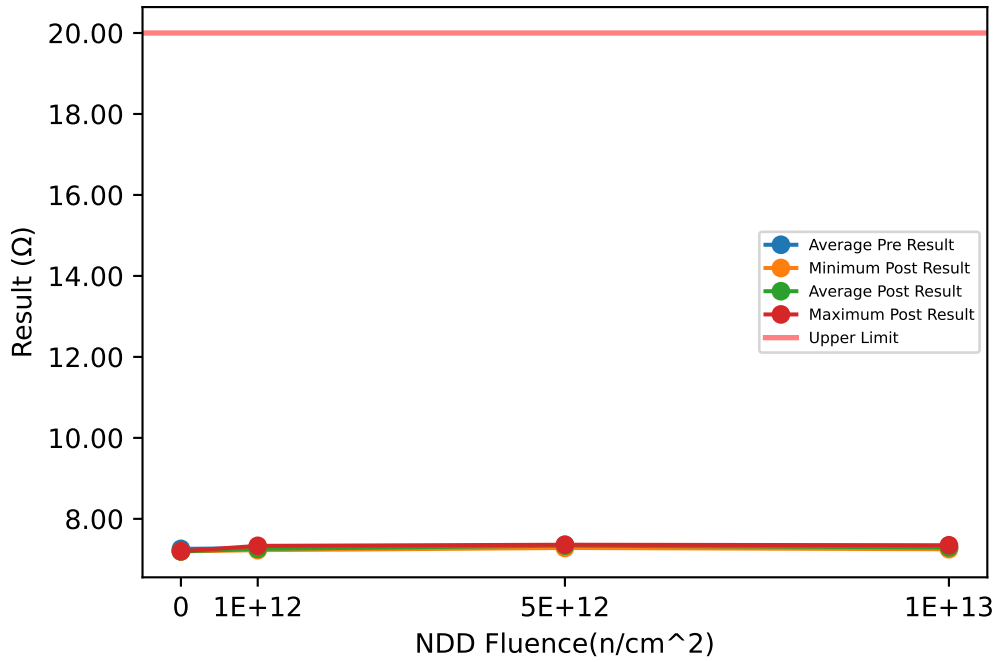


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.797	18.948	19.099	0.21355	18.755	18.89	19.025	0.19092	-0.074	-0.058	-0.042	0.022627
1e+12	19.055	19.114	19.2	0.061147	19.024	19.079	19.187	0.073713	-0.061	-0.03475	-0.013	0.019805
5e+12	19.048	19.203	19.408	0.15259	19.064	19.224	19.427	0.15306	0.016	0.02175	0.027	0.0051235
1e+13	18.981	19.097	19.369	0.18277	19.053	19.165	19.446	0.18846	0.053	0.06775	0.08	0.012894

Device Test: 18.20 ; RESET_RPMOS_HIGH_V

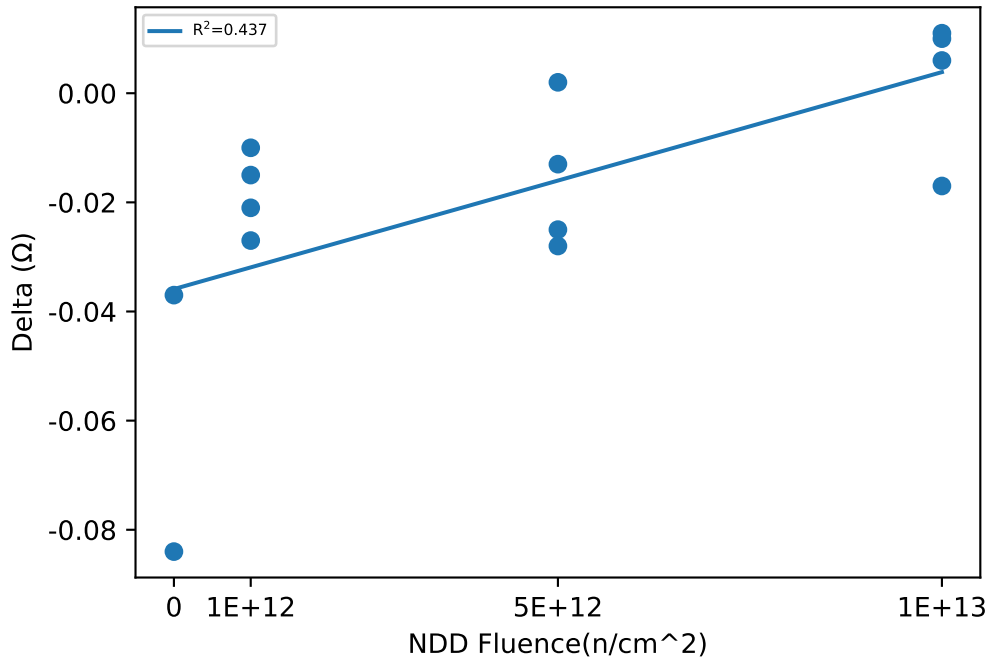
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	7.284	7.2	-0.084
301	0	Correlation	7.233	7.196	-0.037
353	1e+12	NDD Unbiased	7.265	7.244	-0.021
354	1e+12	NDD Unbiased	7.241	7.226	-0.015
355	1e+12	NDD Unbiased	7.255	7.228	-0.027
356	1e+12	NDD Unbiased	7.343	7.333	-0.01
357	5e+12	NDD Unbiased	7.278	7.28	0.002
358	5e+12	NDD Unbiased	7.389	7.361	-0.028
359	5e+12	NDD Unbiased	7.373	7.36	-0.013
360	5e+12	NDD Unbiased	7.378	7.353	-0.025
361	1e+13	NDD Unbiased	7.27	7.276	0.006
362	1e+13	NDD Unbiased	7.337	7.348	0.011
363	1e+13	NDD Unbiased	7.288	7.298	0.01
364	1e+13	NDD Unbiased	7.266	7.249	-0.017

NDD vs Post - Pre Exposure Delta

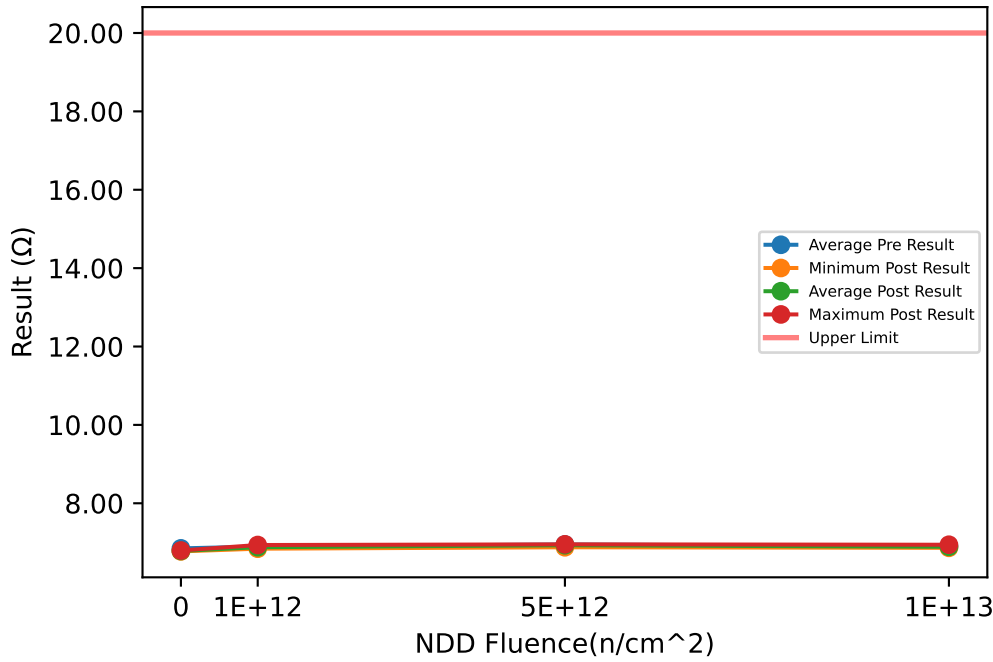


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.233	7.2585	7.284	0.036062	7.196	7.198	7.2	0.0028284	-0.084	-0.0605	-0.037	0.033234
1e+12	7.241	7.276	7.343	0.045738	7.226	7.2577	7.333	0.050809	-0.027	-0.01825	-0.01	0.0073655
5e+12	7.278	7.3545	7.389	0.051436	7.28	7.3385	7.361	0.039162	-0.028	-0.016	0.002	0.013638
1e+13	7.266	7.2903	7.337	0.032602	7.249	7.2927	7.348	0.041931	-0.017	0.0025	0.011	0.013178

Device Test: 18.21 ; RESET_RPMOS_HIGH_V

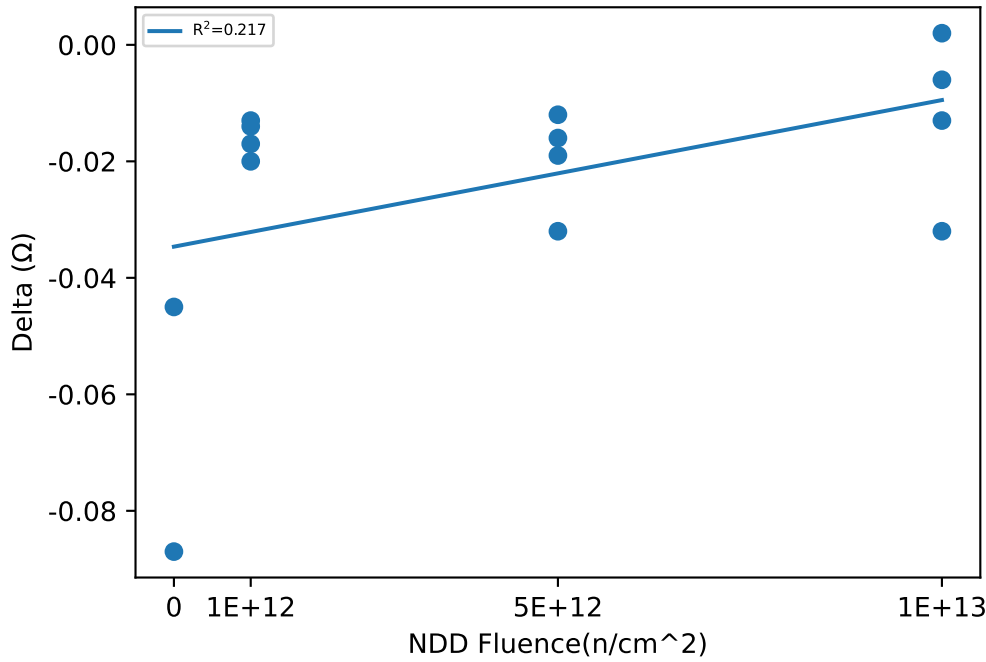
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	6.882	6.795	-0.087
301	0	Correlation	6.817	6.772	-0.045
353	1e+12	NDD Unbiased	6.883	6.87	-0.013
354	1e+12	NDD Unbiased	6.881	6.867	-0.014
355	1e+12	NDD Unbiased	6.861	6.841	-0.02
356	1e+12	NDD Unbiased	6.952	6.935	-0.017
357	5e+12	NDD Unbiased	6.889	6.877	-0.012
358	5e+12	NDD Unbiased	6.97	6.938	-0.032
359	5e+12	NDD Unbiased	6.971	6.952	-0.019
360	5e+12	NDD Unbiased	6.964	6.948	-0.016
361	1e+13	NDD Unbiased	6.882	6.876	-0.006
362	1e+13	NDD Unbiased	6.955	6.942	-0.013
363	1e+13	NDD Unbiased	6.876	6.878	0.002
364	1e+13	NDD Unbiased	6.895	6.863	-0.032

NDD vs Post - Pre Exposure Delta

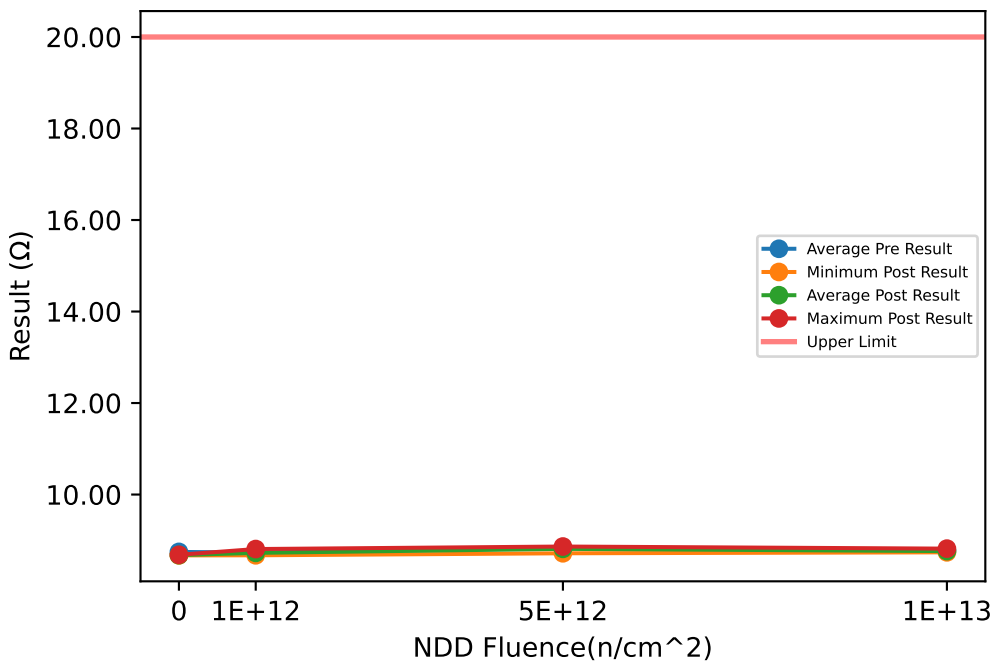


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.817	6.8495	6.882	0.045962	6.772	6.7835	6.795	0.016263	-0.087	-0.066	-0.045	0.029698
1e+12	6.861	6.8942	6.952	0.039761	6.841	6.8782	6.935	0.040011	-0.02	-0.016	-0.013	0.0031623
5e+12	6.889	6.9485	6.971	0.039787	6.877	6.9287	6.952	0.034999	-0.032	-0.01975	-0.012	0.0086554
1e+13	6.876	6.902	6.955	0.036212	6.863	6.8898	6.942	0.035462	-0.032	-0.01225	0.002	0.014523

Device Test: 18.22 ; PWRGD_RPMOS_HIGH_V

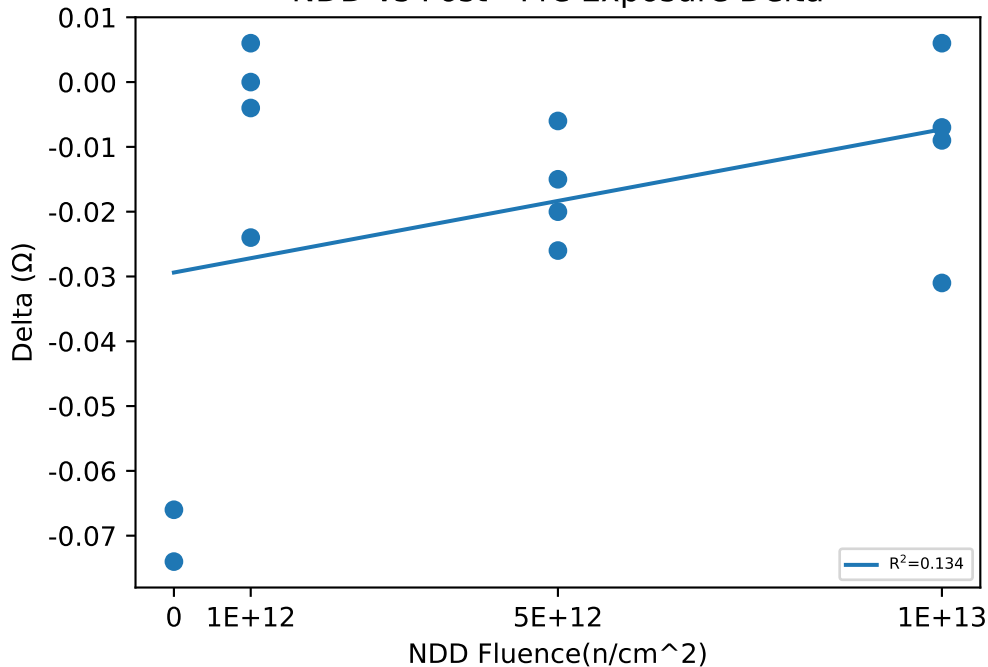
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	8.744	8.67	-0.074
301	0	Correlation	8.749	8.683	-0.066
353	1e+12	NDD Unbiased	8.685	8.691	0.006
354	1e+12	NDD Unbiased	8.676	8.672	-0.004
355	1e+12	NDD Unbiased	8.753	8.729	-0.024
356	1e+12	NDD Unbiased	8.809	8.809	0
357	5e+12	NDD Unbiased	8.736	8.716	-0.02
358	5e+12	NDD Unbiased	8.825	8.81	-0.015
359	5e+12	NDD Unbiased	8.867	8.861	-0.006
360	5e+12	NDD Unbiased	8.89	8.864	-0.026
361	1e+13	NDD Unbiased	8.783	8.752	-0.031
362	1e+13	NDD Unbiased	8.827	8.818	-0.009
363	1e+13	NDD Unbiased	8.756	8.749	-0.007
364	1e+13	NDD Unbiased	8.731	8.737	0.006

NDD vs Post - Pre Exposure Delta

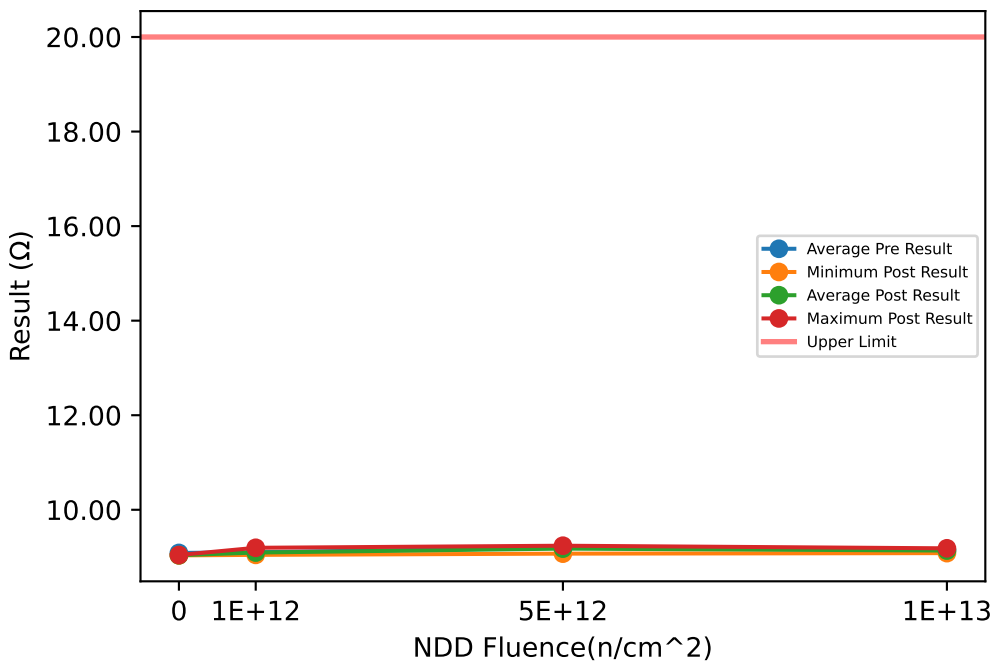


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.744	8.7465	8.749	0.0035355	8.67	8.6765	8.683	0.0091924	-0.074	-0.07	-0.066	0.0056569
1e+12	8.676	8.7308	8.809	0.062473	8.672	8.7252	8.809	0.060654	-0.024	-0.0055	0.006	0.013
5e+12	8.736	8.8295	8.89	0.067895	8.716	8.8128	8.864	0.069096	-0.026	-0.01675	-0.006	0.0084607
1e+13	8.731	8.7743	8.827	0.04108	8.737	8.764	8.818	0.036579	-0.031	-0.01025	0.006	0.015349

Device Test: 18.23 ; WDO_RPMOS_HIGH_V

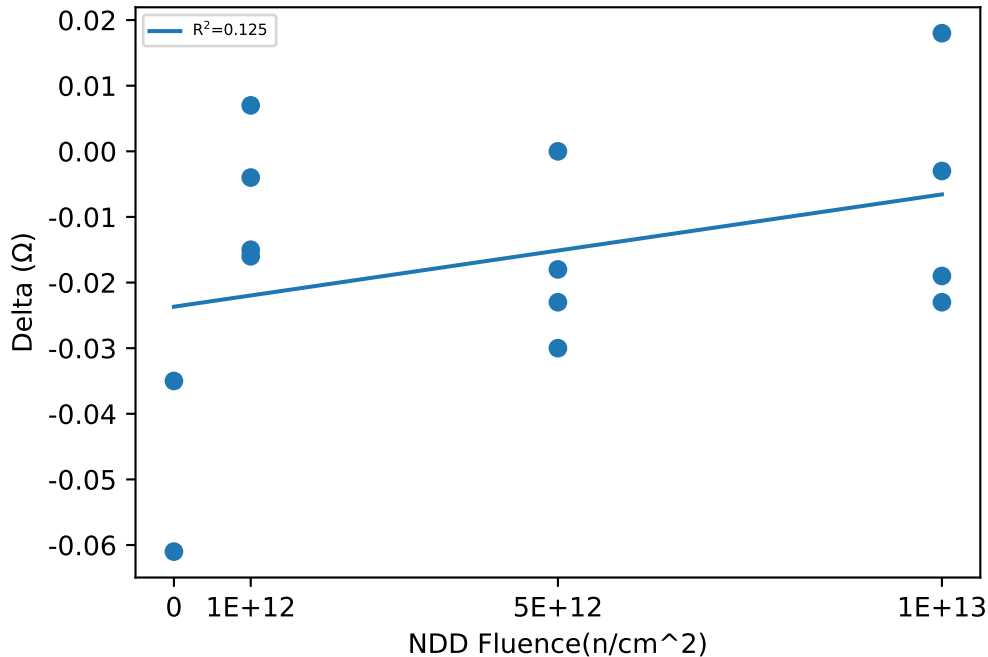
NDD vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	9.096	9.035	-0.061
301	0	Correlation	9.078	9.043	-0.035
353	1e+12	NDD Unbiased	9.05	9.046	-0.004
354	1e+12	NDD Unbiased	9.065	9.049	-0.016
355	1e+12	NDD Unbiased	9.104	9.089	-0.015
356	1e+12	NDD Unbiased	9.189	9.196	0.007
357	5e+12	NDD Unbiased	9.102	9.072	-0.03
358	5e+12	NDD Unbiased	9.194	9.171	-0.023
359	5e+12	NDD Unbiased	9.23	9.23	0
360	5e+12	NDD Unbiased	9.258	9.24	-0.018
361	1e+13	NDD Unbiased	9.161	9.138	-0.023
362	1e+13	NDD Unbiased	9.188	9.185	-0.003
363	1e+13	NDD Unbiased	9.126	9.144	0.018
364	1e+13	NDD Unbiased	9.102	9.083	-0.019

NDD vs Post - Pre Exposure Delta

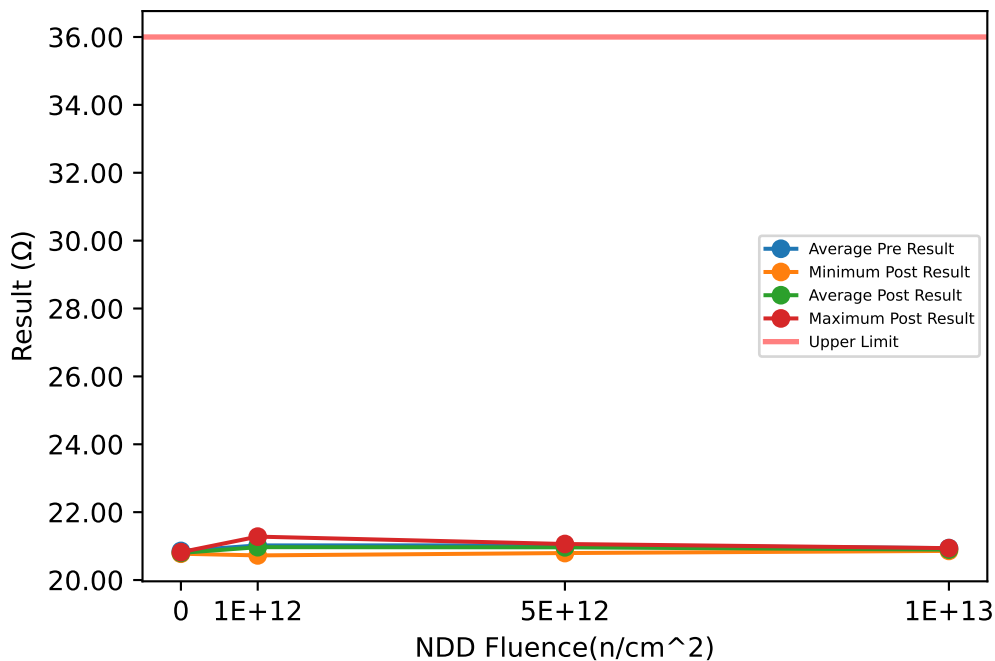


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.078	9.087	9.096	0.012728	9.035	9.039	9.043	0.0056569	-0.061	-0.048	-0.035	0.018385
1e+12	9.05	9.102	9.189	0.062306	9.046	9.095	9.196	0.070128	-0.016	-0.007	0.007	0.010801
5e+12	9.102	9.196	9.258	0.067922	9.072	9.1783	9.24	0.077099	-0.03	-0.01775	0	0.012816
1e+13	9.102	9.1442	9.188	0.037915	9.083	9.1375	9.185	0.041909	-0.023	-0.00675	0.018	0.018626

Device Test: 18.24 ; RESET_RNMOS

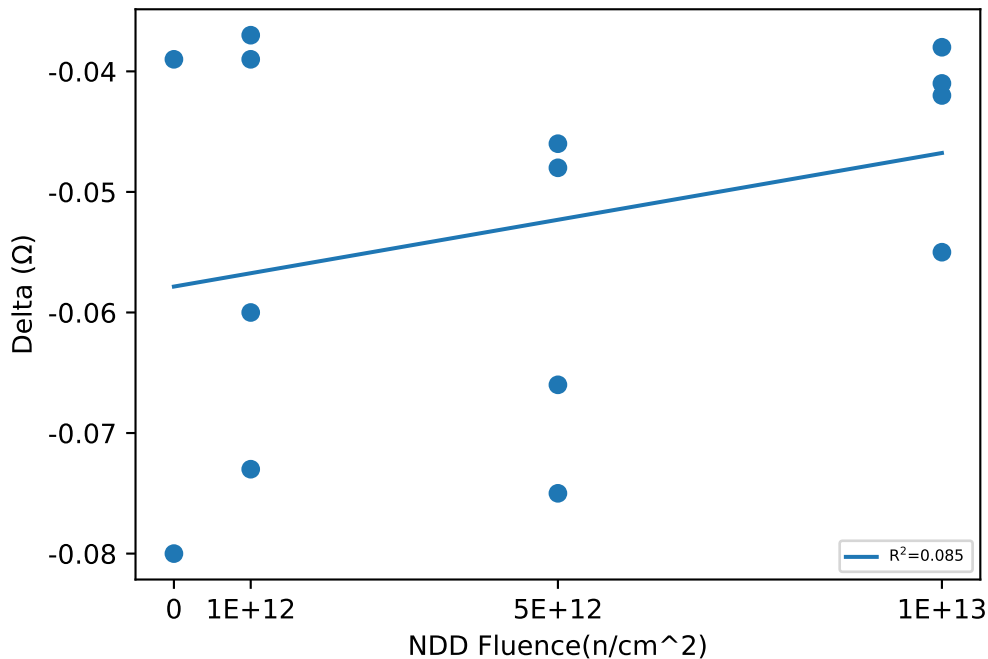
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.902	20.822	-0.08
301	0	Correlation	20.814	20.775	-0.039
353	1e+12	NDD Unbiased	20.786	20.726	-0.06
354	1e+12	NDD Unbiased	21.352	21.279	-0.073
355	1e+12	NDD Unbiased	21.019	20.982	-0.037
356	1e+12	NDD Unbiased	20.923	20.884	-0.039
357	5e+12	NDD Unbiased	20.861	20.795	-0.066
358	5e+12	NDD Unbiased	21.137	21.062	-0.075
359	5e+12	NDD Unbiased	21.106	21.058	-0.048
360	5e+12	NDD Unbiased	20.985	20.939	-0.046
361	1e+13	NDD Unbiased	20.971	20.916	-0.055
362	1e+13	NDD Unbiased	20.978	20.94	-0.038
363	1e+13	NDD Unbiased	20.912	20.871	-0.041
364	1e+13	NDD Unbiased	20.9	20.858	-0.042

NDD vs Post - Pre Exposure Delta

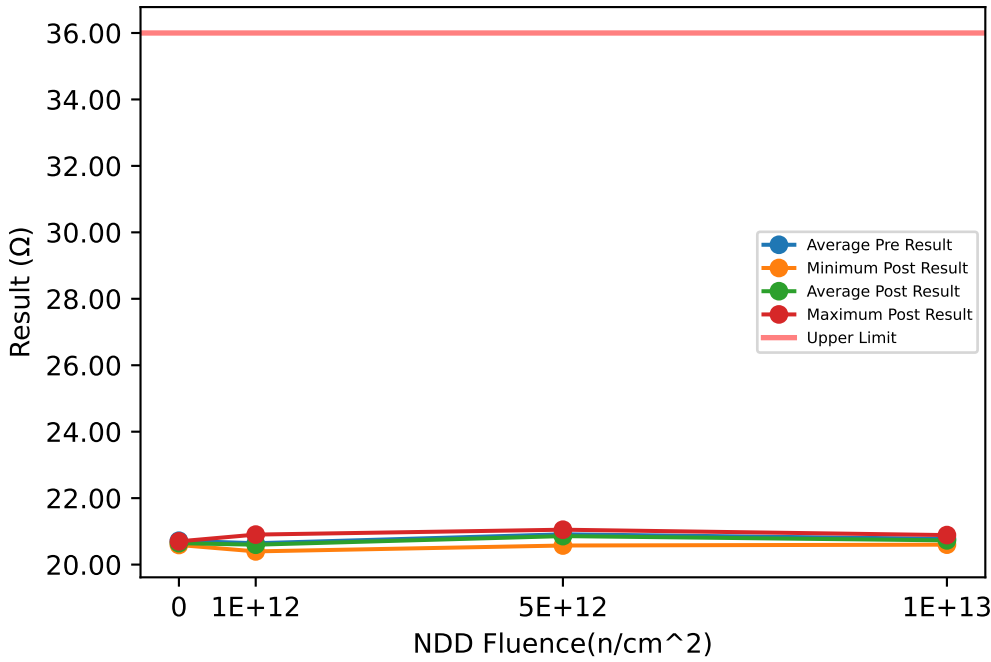


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.814	20.858	20.902	0.062225	20.775	20.798	20.822	0.033234	-0.08	-0.0595	-0.039	0.028991
1e+12	20.786	21.02	21.352	0.2411	20.726	20.968	21.279	0.23276	-0.073	-0.05225	-0.037	0.017308
5e+12	20.861	21.022	21.137	0.12592	20.795	20.963	21.062	0.126	-0.075	-0.05875	-0.046	0.01408
1e+13	20.9	20.94	20.978	0.039953	20.858	20.896	20.94	0.038318	-0.055	-0.044	-0.038	0.0075277

Device Test: 18.25 ; RESET_RNMOS

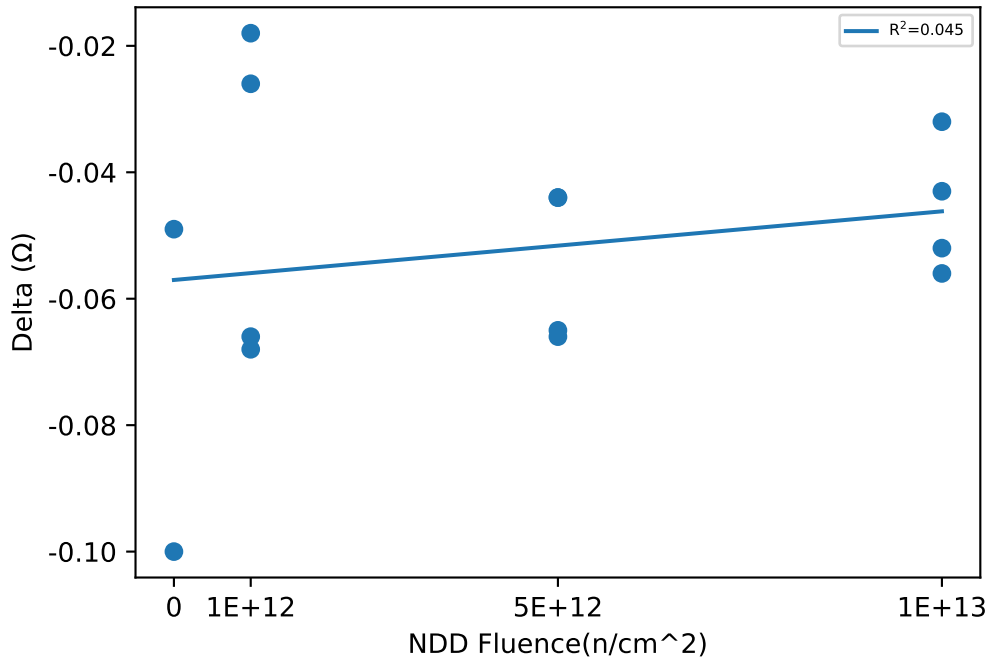
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.799	20.699	-0.1
301	0	Correlation	20.639	20.59	-0.049
353	1e+12	NDD Unbiased	20.463	20.397	-0.066
354	1e+12	NDD Unbiased	20.645	20.577	-0.068
355	1e+12	NDD Unbiased	20.533	20.515	-0.018
356	1e+12	NDD Unbiased	20.929	20.903	-0.026
357	5e+12	NDD Unbiased	20.639	20.574	-0.065
358	5e+12	NDD Unbiased	20.855	20.789	-0.066
359	5e+12	NDD Unbiased	21.094	21.05	-0.044
360	5e+12	NDD Unbiased	21.059	21.015	-0.044
361	1e+13	NDD Unbiased	20.944	20.888	-0.056
362	1e+13	NDD Unbiased	20.71	20.678	-0.032
363	1e+13	NDD Unbiased	20.8	20.748	-0.052
364	1e+13	NDD Unbiased	20.643	20.6	-0.043

NDD vs Post - Pre Exposure Delta

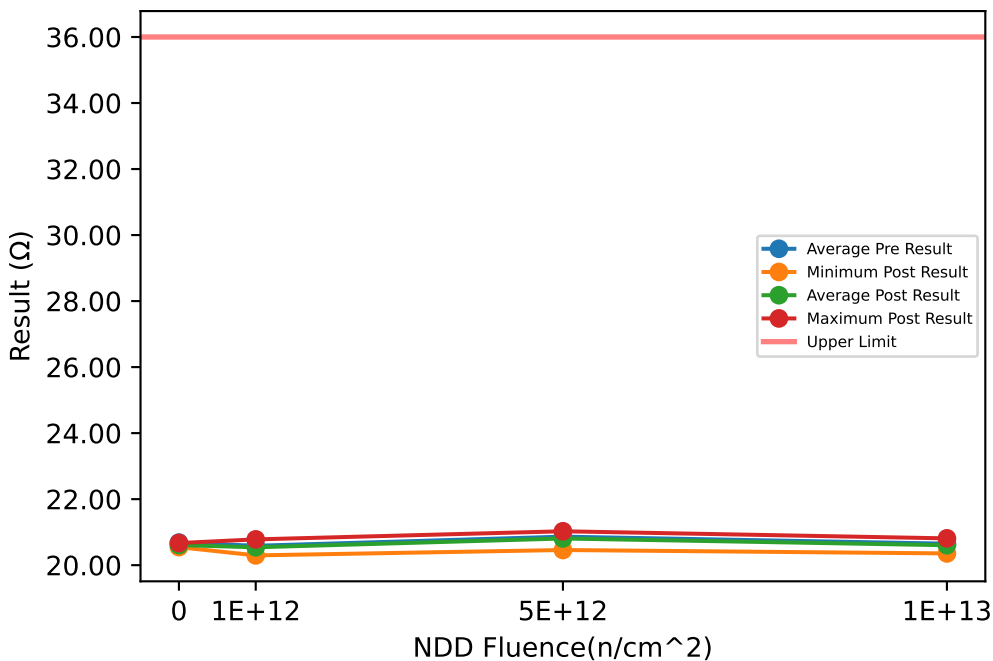


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.639	20.719	20.799	0.11314	20.59	20.645	20.699	0.077075	-0.1	-0.0745	-0.049	0.036062
1e+12	20.463	20.642	20.929	0.20518	20.397	20.598	20.903	0.21661	-0.068	-0.0445	-0.018	0.026198
5e+12	20.639	20.912	21.094	0.21017	20.574	20.857	21.05	0.2213	-0.066	-0.05475	-0.044	0.01242
1e+13	20.643	20.774	20.944	0.13017	20.6	20.729	20.888	0.12232	-0.056	-0.04575	-0.032	0.010658

Device Test: 18.26 ; RESET_RNMOS

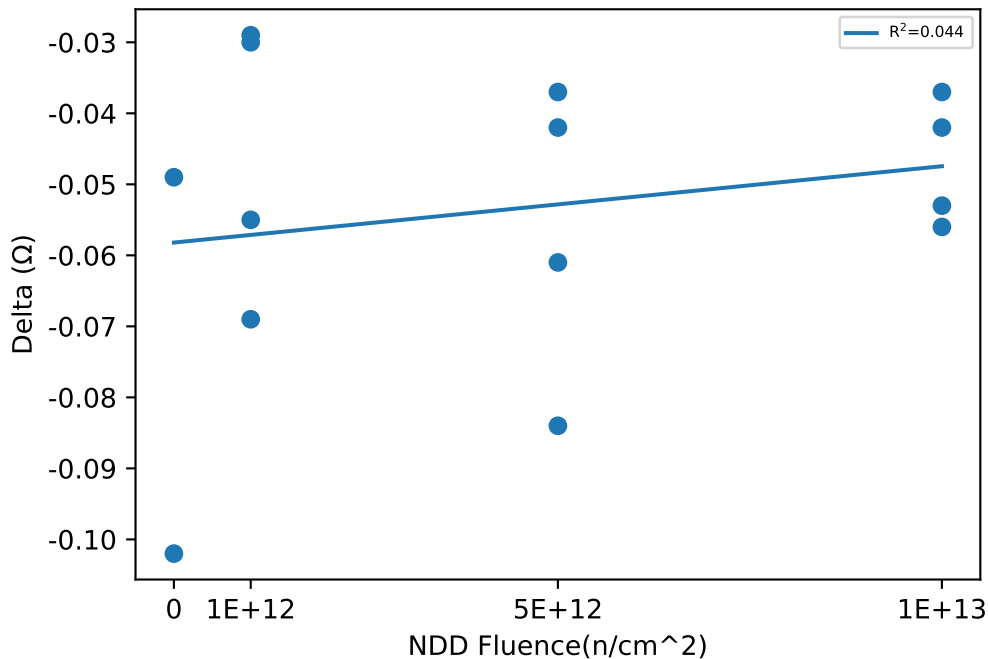
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.772	20.67	-0.102
301	0	Correlation	20.595	20.546	-0.049
353	1e+12	NDD Unbiased	20.365	20.296	-0.069
354	1e+12	NDD Unbiased	20.674	20.619	-0.055
355	1e+12	NDD Unbiased	20.499	20.469	-0.03
356	1e+12	NDD Unbiased	20.81	20.781	-0.029
357	5e+12	NDD Unbiased	20.543	20.459	-0.084
358	5e+12	NDD Unbiased	20.852	20.791	-0.061
359	5e+12	NDD Unbiased	21.069	21.027	-0.042
360	5e+12	NDD Unbiased	20.992	20.955	-0.037
361	1e+13	NDD Unbiased	20.865	20.812	-0.053
362	1e+13	NDD Unbiased	20.558	20.521	-0.037
363	1e+13	NDD Unbiased	20.783	20.727	-0.056
364	1e+13	NDD Unbiased	20.398	20.356	-0.042

NDD vs Post - Pre Exposure Delta

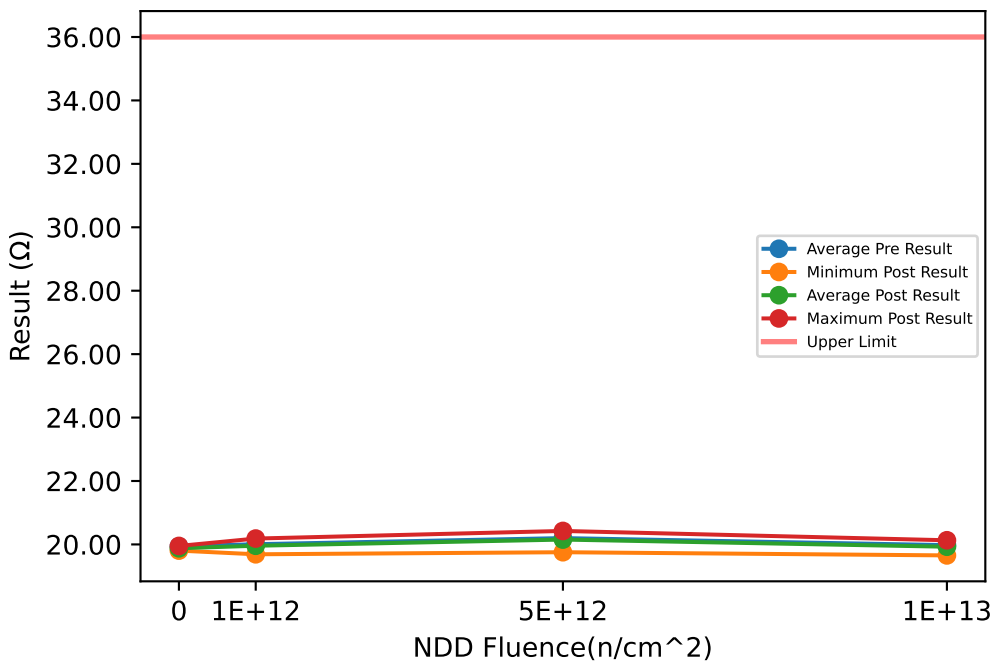


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.595	20.683	20.772	0.12516	20.546	20.608	20.67	0.087681	-0.102	-0.0755	-0.049	0.037477
1e+12	20.365	20.587	20.81	0.19521	20.296	20.541	20.781	0.20728	-0.069	-0.04575	-0.029	0.019619
5e+12	20.543	20.864	21.069	0.23209	20.459	20.808	21.027	0.25276	-0.084	-0.056	-0.037	0.021339
1e+13	20.398	20.651	20.865	0.21282	20.356	20.604	20.812	0.20558	-0.056	-0.047	-0.037	0.0089815

Device Test: 18.27 ; RESET_RNMOS

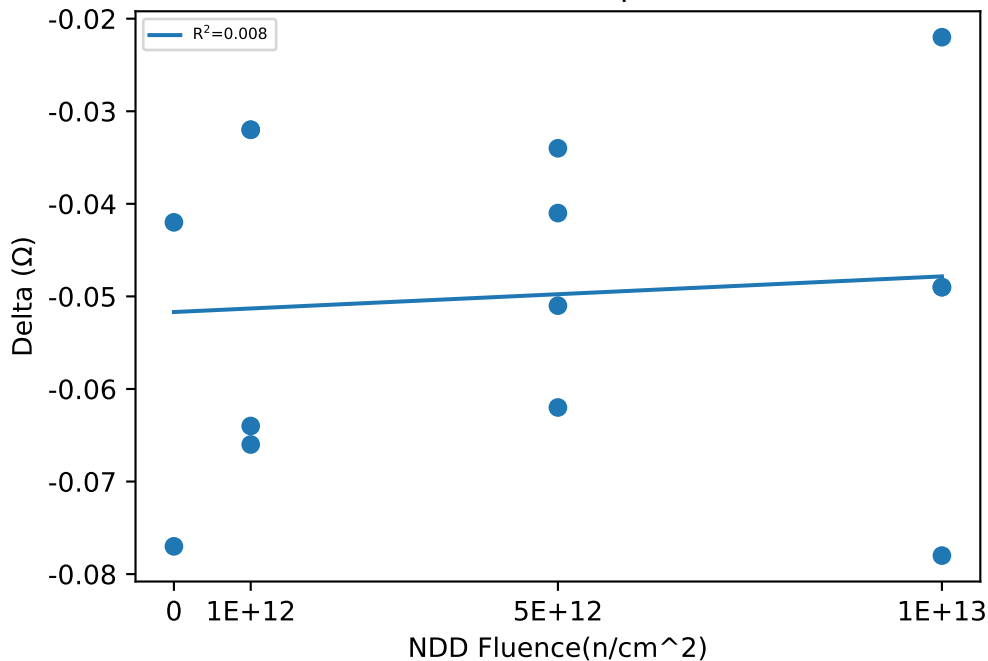
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.029	19.952	-0.077
301	0	Correlation	19.847	19.805	-0.042
353	1e+12	NDD Unbiased	19.753	19.689	-0.064
354	1e+12	NDD Unbiased	20.195	20.129	-0.066
355	1e+12	NDD Unbiased	19.862	19.83	-0.032
356	1e+12	NDD Unbiased	20.217	20.185	-0.032
357	5e+12	NDD Unbiased	19.805	19.754	-0.051
358	5e+12	NDD Unbiased	20.184	20.122	-0.062
359	5e+12	NDD Unbiased	20.466	20.425	-0.041
360	5e+12	NDD Unbiased	20.344	20.31	-0.034
361	1e+13	NDD Unbiased	20.209	20.131	-0.078
362	1e+13	NDD Unbiased	19.918	19.896	-0.022
363	1e+13	NDD Unbiased	20.079	20.03	-0.049
364	1e+13	NDD Unbiased	19.703	19.654	-0.049

NDD vs Post - Pre Exposure Delta

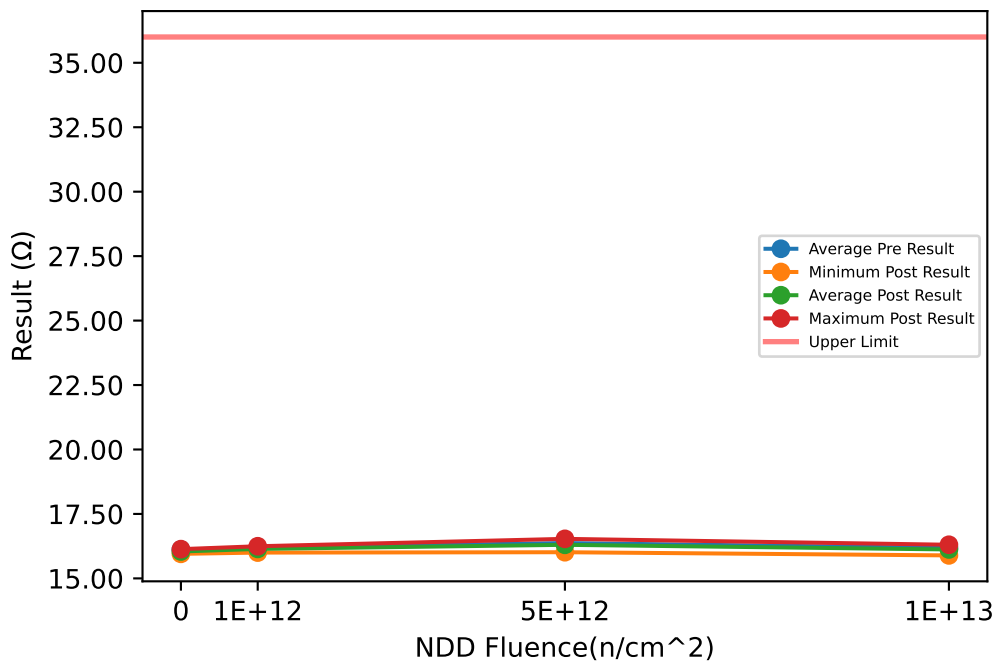


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.847	19.938	20.029	0.12869	19.805	19.879	19.952	0.10394	-0.077	-0.0595	-0.042	0.024749
1e+12	19.753	20.007	20.217	0.23451	19.689	19.958	20.185	0.23771	-0.066	-0.0485	-0.032	0.01907
5e+12	19.805	20.2	20.466	0.28739	19.754	20.153	20.425	0.29371	-0.062	-0.047	-0.034	0.012193
1e+13	19.703	19.977	20.209	0.21816	19.654	19.928	20.131	0.20633	-0.078	-0.0495	-0.022	0.022869

Device Test: 18.28 ; PWRGD_RNMOS

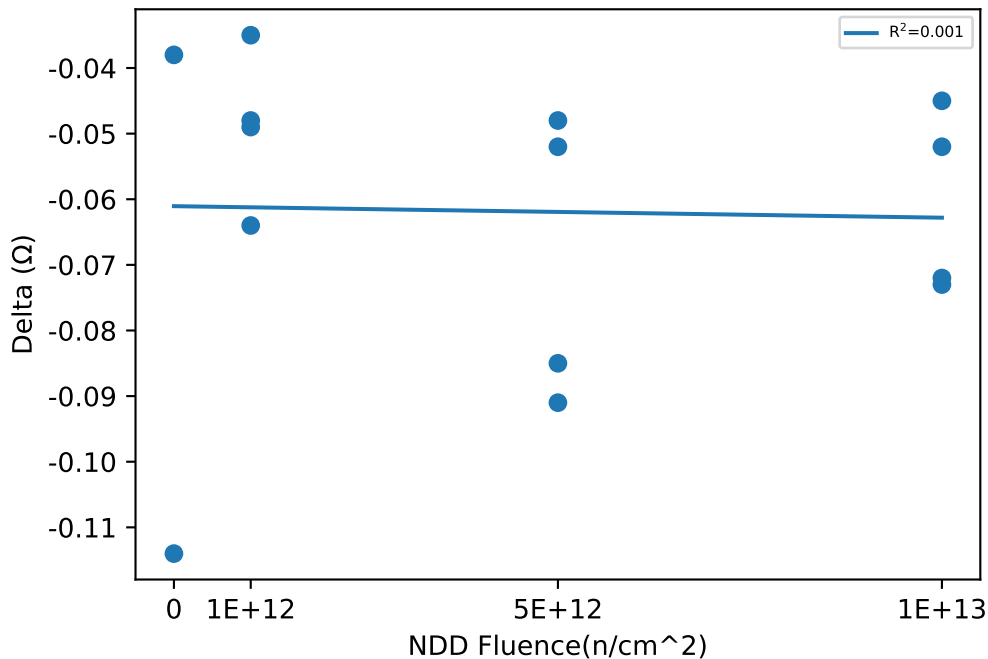
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	16.249	16.135	-0.114
301	0	Correlation	15.99	15.952	-0.038
353	1e+12	NDD Unbiased	16.05	16.001	-0.049
354	1e+12	NDD Unbiased	16.311	16.247	-0.064
355	1e+12	NDD Unbiased	16.185	16.137	-0.048
356	1e+12	NDD Unbiased	16.223	16.188	-0.035
357	5e+12	NDD Unbiased	16.106	16.015	-0.091
358	5e+12	NDD Unbiased	16.231	16.146	-0.085
359	5e+12	NDD Unbiased	16.562	16.514	-0.048
360	5e+12	NDD Unbiased	16.586	16.534	-0.052
361	1e+13	NDD Unbiased	16.267	16.194	-0.073
362	1e+13	NDD Unbiased	16.35	16.305	-0.045
363	1e+13	NDD Unbiased	16.17	16.098	-0.072
364	1e+13	NDD Unbiased	15.944	15.892	-0.052

NDD vs Post - Pre Exposure Delta

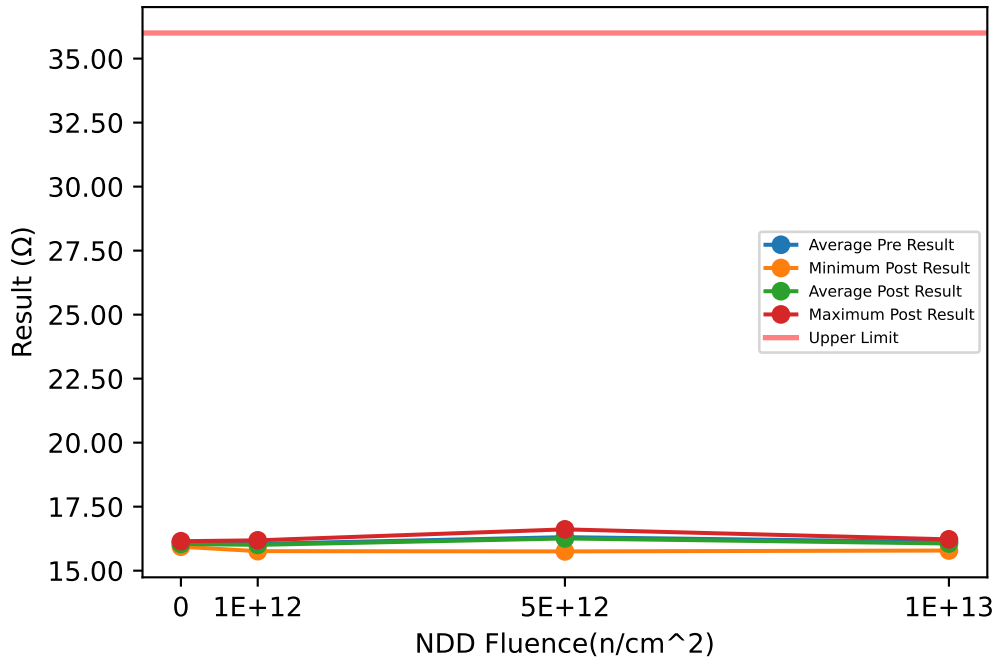


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.99	16.119	16.249	0.18314	15.952	16.044	16.135	0.1294	-0.114	-0.076	-0.038	0.05374
1e+12	16.05	16.192	16.311	0.10853	16.001	16.143	16.247	0.10495	-0.064	-0.049	-0.035	0.01186
5e+12	16.106	16.371	16.586	0.23981	16.015	16.302	16.534	0.26171	-0.091	-0.069	-0.048	0.022136
1e+13	15.944	16.183	16.35	0.17534	15.892	16.122	16.305	0.17526	-0.073	-0.0605	-0.045	0.014154

Device Test: 18.29 ; WDO_RNMOS

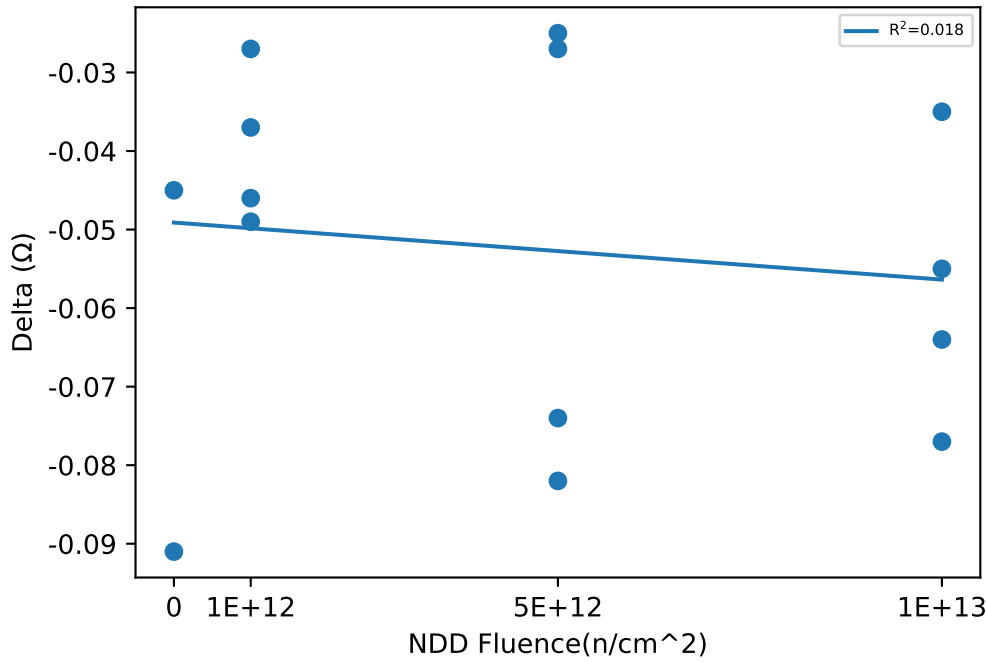
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	16.242	16.151	-0.091
301	0	Correlation	15.981	15.936	-0.045
353	1e+12	NDD Unbiased	15.8	15.763	-0.037
354	1e+12	NDD Unbiased	16.109	16.063	-0.046
355	1e+12	NDD Unbiased	16.045	16.018	-0.027
356	1e+12	NDD Unbiased	16.234	16.185	-0.049
357	5e+12	NDD Unbiased	15.827	15.753	-0.074
358	5e+12	NDD Unbiased	16.22	16.138	-0.082
359	5e+12	NDD Unbiased	16.551	16.526	-0.025
360	5e+12	NDD Unbiased	16.641	16.614	-0.027
361	1e+13	NDD Unbiased	16.241	16.177	-0.064
362	1e+13	NDD Unbiased	16.259	16.224	-0.035
363	1e+13	NDD Unbiased	16.13	16.053	-0.077
364	1e+13	NDD Unbiased	15.842	15.787	-0.055

NDD vs Post - Pre Exposure Delta

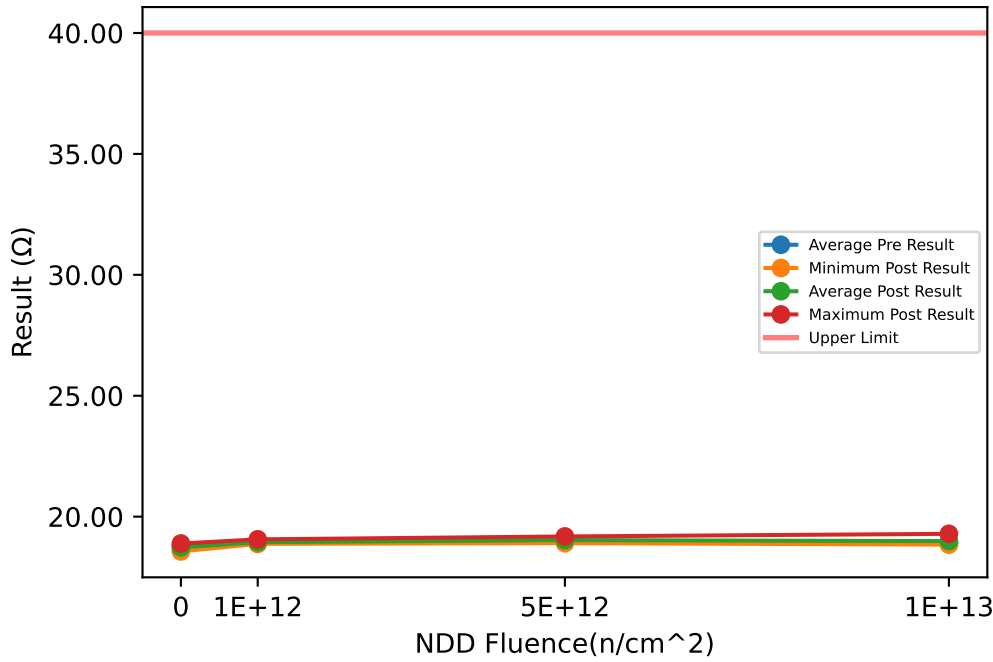


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.981	16.111	16.242	0.18455	15.936	16.044	16.151	0.15203	-0.091	-0.068	-0.045	0.032527
1e+12	15.8	16.047	16.234	0.18242	15.763	16.007	16.185	0.17746	-0.049	-0.03975	-0.027	0.0099121
5e+12	15.827	16.31	16.641	0.36925	15.753	16.258	16.614	0.39496	-0.082	-0.052	-0.025	0.03021
1e+13	15.842	16.118	16.259	0.19264	15.787	16.06	16.224	0.19593	-0.077	-0.05775	-0.035	0.017652

Device Test: 18.3 ; RESET_RPMOS_LOW_V

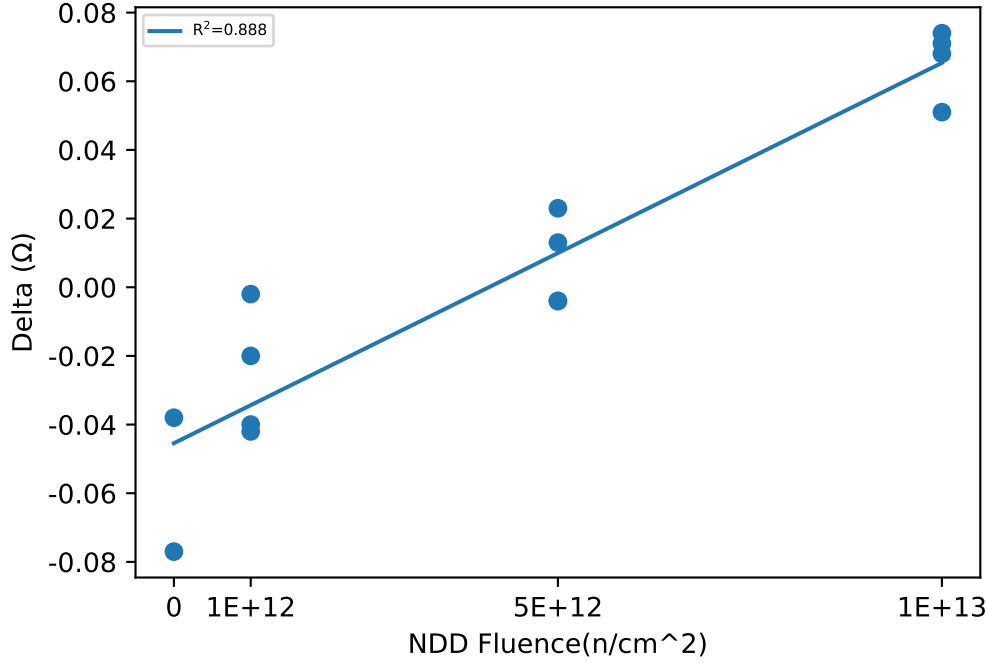
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	18.967	18.89	-0.077
301	0	Correlation	18.601	18.563	-0.038
353	1e+12	NDD Unbiased	18.915	18.873	-0.042
354	1e+12	NDD Unbiased	19.002	18.962	-0.04
355	1e+12	NDD Unbiased	18.894	18.874	-0.02
356	1e+12	NDD Unbiased	19.063	19.061	-0.002
357	5e+12	NDD Unbiased	18.906	18.902	-0.004
358	5e+12	NDD Unbiased	19.186	19.182	-0.004
359	5e+12	NDD Unbiased	18.972	18.985	0.013
360	5e+12	NDD Unbiased	19.026	19.049	0.023
361	1e+13	NDD Unbiased	18.818	18.869	0.051
362	1e+13	NDD Unbiased	19.218	19.289	0.071
363	1e+13	NDD Unbiased	18.775	18.843	0.068
364	1e+13	NDD Unbiased	18.883	18.957	0.074

NDD vs Post - Pre Exposure Delta

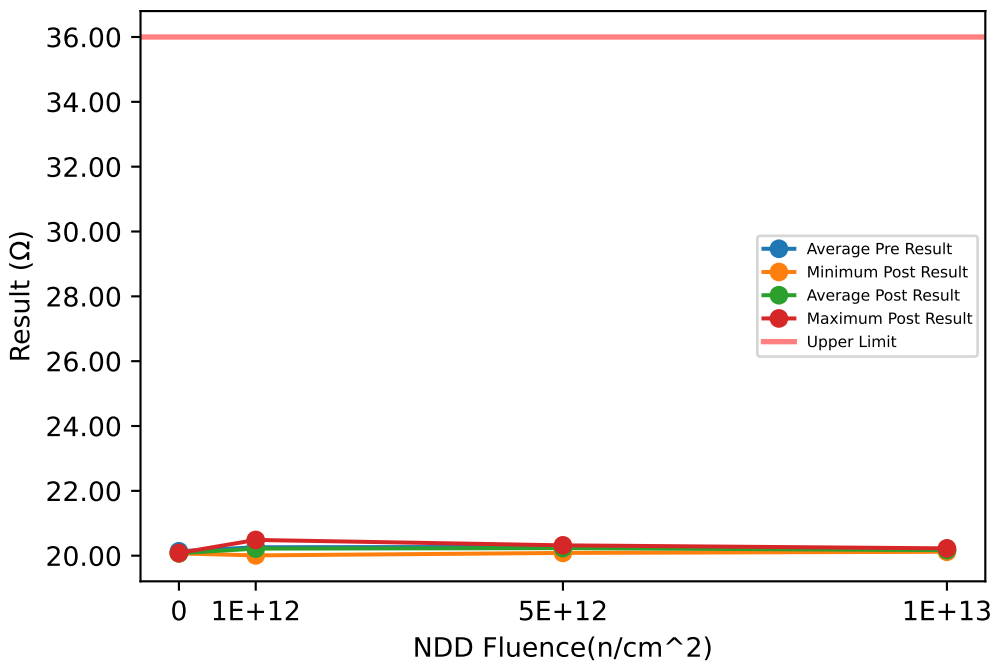


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.601	18.784	18.967	0.2588	18.563	18.727	18.89	0.23122	-0.077	-0.0575	-0.038	0.027577
1e+12	18.894	18.968	19.063	0.078454	18.873	18.942	19.061	0.08934	-0.042	-0.026	-0.002	0.018833
5e+12	18.906	19.023	19.186	0.11954	18.902	19.029	19.182	0.11814	-0.004	0.007	0.023	0.013342
1e+13	18.775	18.924	19.218	0.20129	18.843	18.989	19.289	0.20554	0.051	0.066	0.074	0.010296

Device Test: 18.30 ; RESET_RNMOS

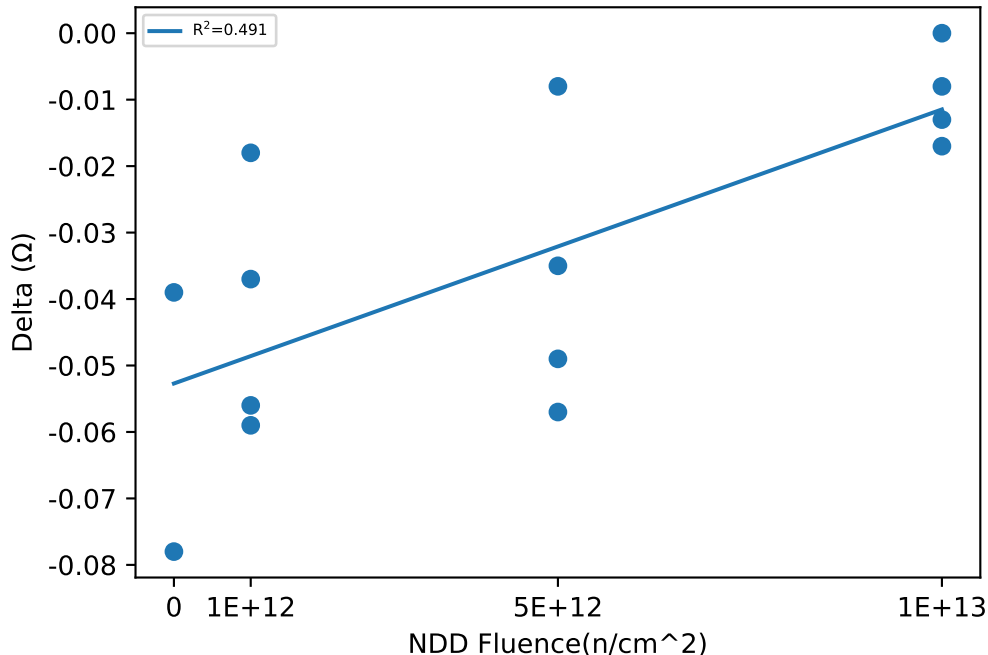
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.161	20.083	-0.078
301	0	Correlation	20.11	20.071	-0.039
353	1e+12	NDD Unbiased	20.065	20.009	-0.056
354	1e+12	NDD Unbiased	20.545	20.486	-0.059
355	1e+12	NDD Unbiased	20.23	20.212	-0.018
356	1e+12	NDD Unbiased	20.203	20.166	-0.037
357	5e+12	NDD Unbiased	20.142	20.085	-0.057
358	5e+12	NDD Unbiased	20.368	20.319	-0.049
359	5e+12	NDD Unbiased	20.337	20.302	-0.035
360	5e+12	NDD Unbiased	20.236	20.228	-0.008
361	1e+13	NDD Unbiased	20.208	20.191	-0.017
362	1e+13	NDD Unbiased	20.226	20.226	0
363	1e+13	NDD Unbiased	20.129	20.121	-0.008
364	1e+13	NDD Unbiased	20.16	20.147	-0.013

NDD vs Post - Pre Exposure Delta

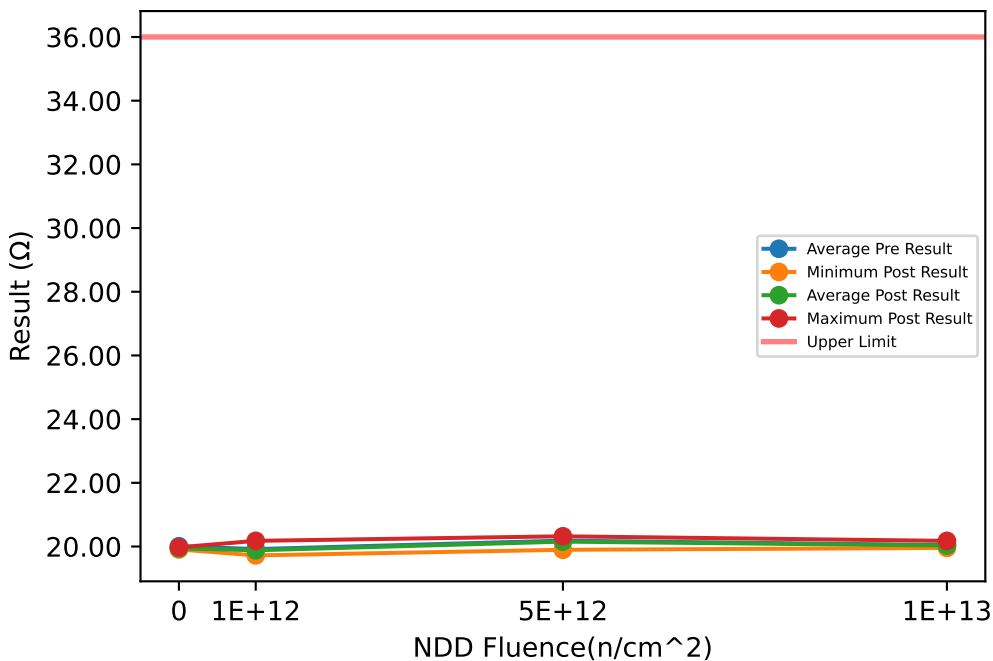


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.11	20.136	20.161	0.036062	20.071	20.077	20.083	0.0084853	-0.078	-0.0585	-0.039	0.027577
1e+12	20.065	20.261	20.545	0.20281	20.009	20.218	20.486	0.19853	-0.059	-0.0425	-0.018	0.019018
5e+12	20.142	20.271	20.368	0.10268	20.085	20.233	20.319	0.10659	-0.057	-0.03725	-0.008	0.021515
1e+13	20.129	20.181	20.226	0.044342	20.121	20.171	20.226	0.04655	-0.017	-0.0095	0	0.0073258

Device Test: 18.31 ; RESET_RNMOS

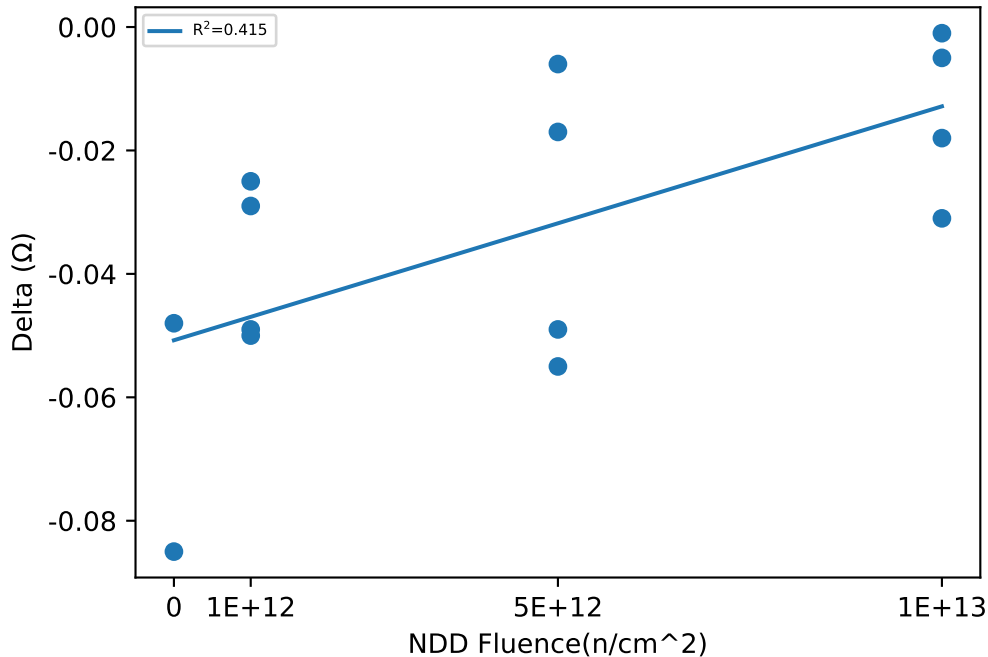
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.06	19.975	-0.085
301	0	Correlation	19.956	19.908	-0.048
353	1e+12	NDD Unbiased	19.771	19.721	-0.05
354	1e+12	NDD Unbiased	19.898	19.849	-0.049
355	1e+12	NDD Unbiased	19.801	19.776	-0.025
356	1e+12	NDD Unbiased	20.207	20.178	-0.029
357	5e+12	NDD Unbiased	19.946	19.897	-0.049
358	5e+12	NDD Unbiased	20.156	20.101	-0.055
359	5e+12	NDD Unbiased	20.338	20.321	-0.017
360	5e+12	NDD Unbiased	20.3	20.294	-0.006
361	1e+13	NDD Unbiased	20.208	20.177	-0.031
362	1e+13	NDD Unbiased	19.967	19.966	-0.001
363	1e+13	NDD Unbiased	20.044	20.026	-0.018
364	1e+13	NDD Unbiased	19.96	19.955	-0.005

NDD vs Post - Pre Exposure Delta

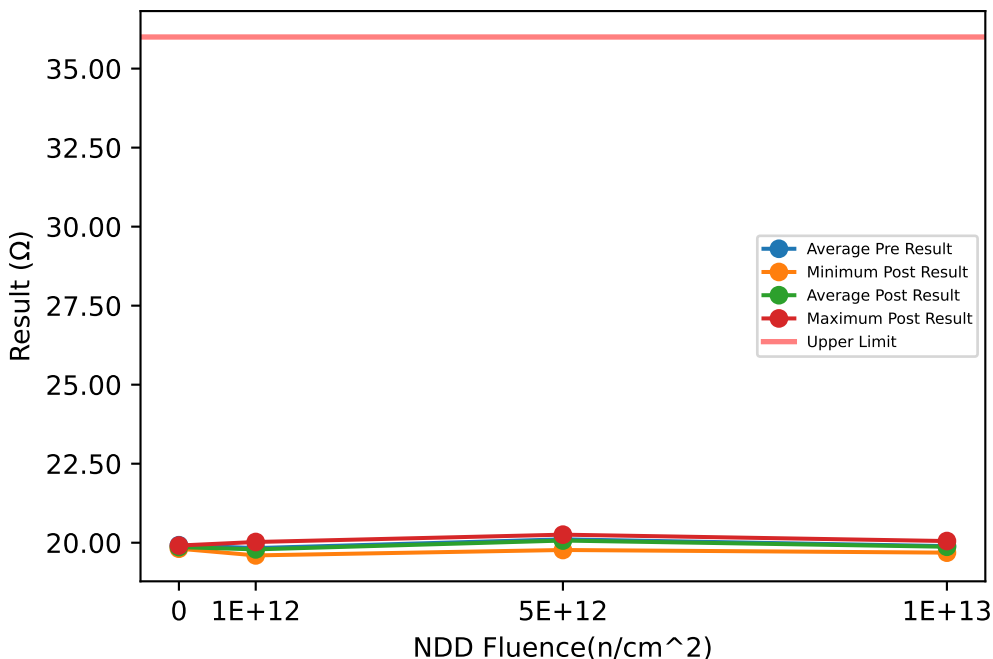


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.956	20.008	20.06	0.073539	19.908	19.942	19.975	0.047376	-0.085	-0.0665	-0.048	0.026163
1e+12	19.771	19.919	20.207	0.19934	19.721	19.881	20.178	0.20482	-0.05	-0.03825	-0.025	0.013099
5e+12	19.946	20.185	20.338	0.17757	19.897	20.153	20.321	0.19693	-0.055	-0.03175	-0.006	0.023936
1e+13	19.96	20.045	20.208	0.11529	19.955	20.031	20.177	0.10221	-0.031	-0.01375	-0.001	0.013598

Device Test: 18.32 ; RESET_RNMOS

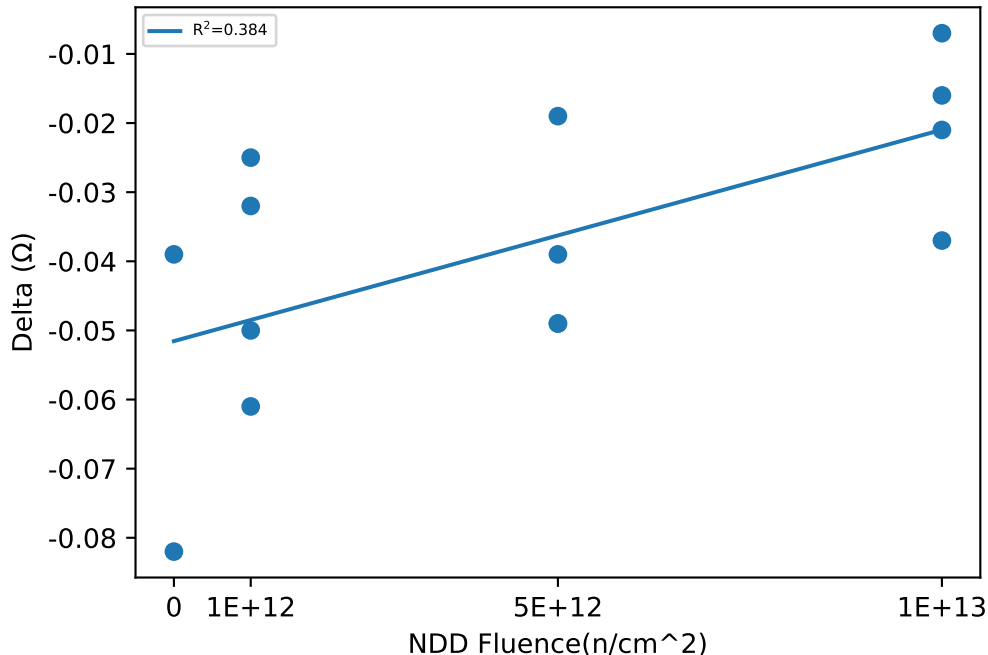
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.993	19.911	-0.082
301	0	Correlation	19.85	19.811	-0.039
353	1e+12	NDD Unbiased	19.649	19.599	-0.05
354	1e+12	NDD Unbiased	19.894	19.833	-0.061
355	1e+12	NDD Unbiased	19.726	19.701	-0.025
356	1e+12	NDD Unbiased	20.055	20.023	-0.032
357	5e+12	NDD Unbiased	19.819	19.77	-0.049
358	5e+12	NDD Unbiased	20.104	20.055	-0.049
359	5e+12	NDD Unbiased	20.294	20.255	-0.039
360	5e+12	NDD Unbiased	20.212	20.193	-0.019
361	1e+13	NDD Unbiased	20.09	20.053	-0.037
362	1e+13	NDD Unbiased	19.8	19.793	-0.007
363	1e+13	NDD Unbiased	19.978	19.957	-0.021
364	1e+13	NDD Unbiased	19.702	19.686	-0.016

NDD vs Post - Pre Exposure Delta

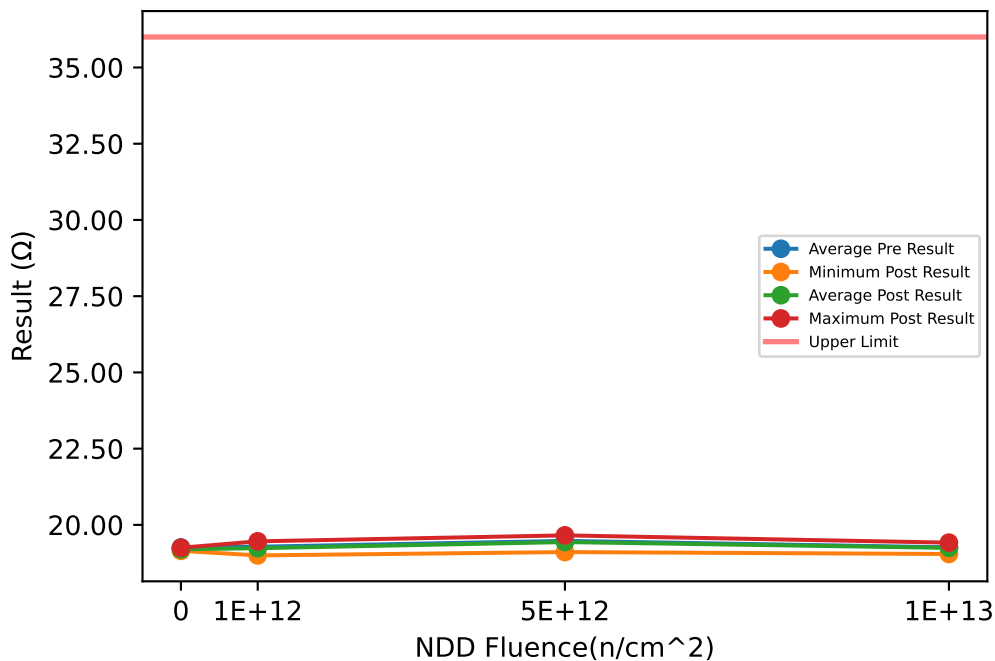


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.85	19.922	19.993	0.10112	19.811	19.861	19.911	0.070711	-0.082	-0.0605	-0.039	0.030406
1e+12	19.649	19.831	20.055	0.18101	19.599	19.789	20.023	0.18306	-0.061	-0.042	-0.025	0.016472
5e+12	19.819	20.107	20.294	0.20732	19.77	20.068	20.255	0.21569	-0.049	-0.039	-0.019	0.014142
1e+13	19.702	19.893	20.09	0.17432	19.686	19.872	20.053	0.16414	-0.037	-0.02025	-0.007	0.01258

Device Test: 18.33 ; RESET_RNMOS

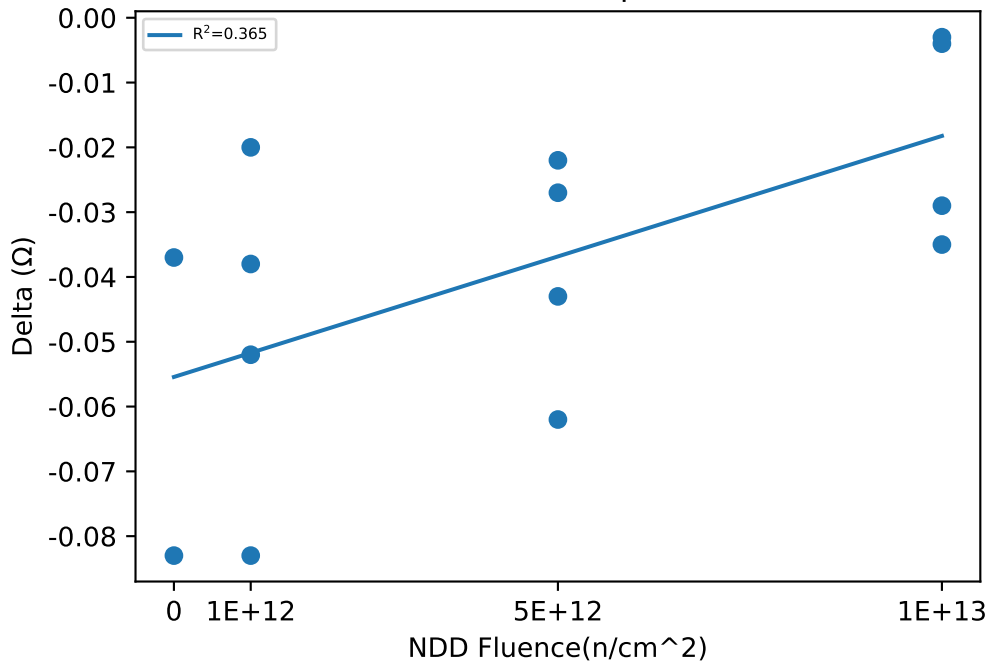
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.333	19.25	-0.083
301	0	Correlation	19.185	19.148	-0.037
353	1e+12	NDD Unbiased	19.082	18.999	-0.083
354	1e+12	NDD Unbiased	19.432	19.38	-0.052
355	1e+12	NDD Unbiased	19.139	19.101	-0.038
356	1e+12	NDD Unbiased	19.48	19.46	-0.02
357	5e+12	NDD Unbiased	19.151	19.108	-0.043
358	5e+12	NDD Unbiased	19.48	19.418	-0.062
359	5e+12	NDD Unbiased	19.683	19.656	-0.027
360	5e+12	NDD Unbiased	19.586	19.564	-0.022
361	1e+13	NDD Unbiased	19.452	19.417	-0.035
362	1e+13	NDD Unbiased	19.214	19.211	-0.003
363	1e+13	NDD Unbiased	19.338	19.309	-0.029
364	1e+13	NDD Unbiased	19.049	19.045	-0.004

NDD vs Post - Pre Exposure Delta

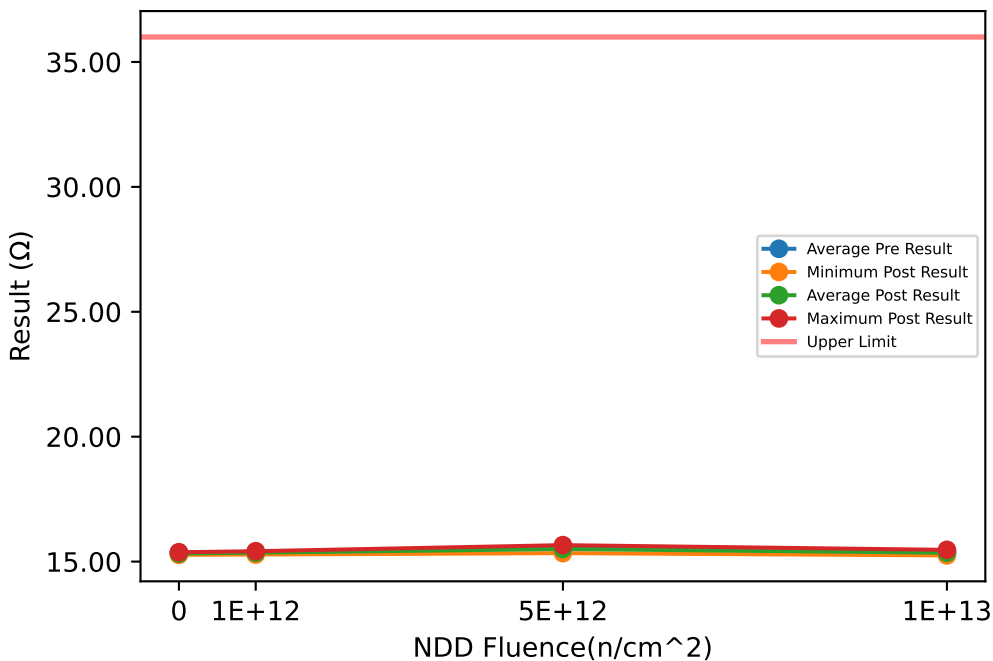


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.185	19.259	19.333	0.10465	19.148	19.199	19.25	0.072125	-0.083	-0.06	-0.037	0.032527
1e+12	19.082	19.283	19.48	0.20178	18.999	19.235	19.46	0.22008	-0.083	-0.04825	-0.02	0.026613
5e+12	19.151	19.475	19.683	0.23136	19.108	19.436	19.656	0.23992	-0.062	-0.0385	-0.022	0.018046
1e+13	19.049	19.263	19.452	0.17276	19.045	19.245	19.417	0.15794	-0.035	-0.01775	-0.003	0.016641

Device Test: 18.34 ; PWRGD_RNMOS

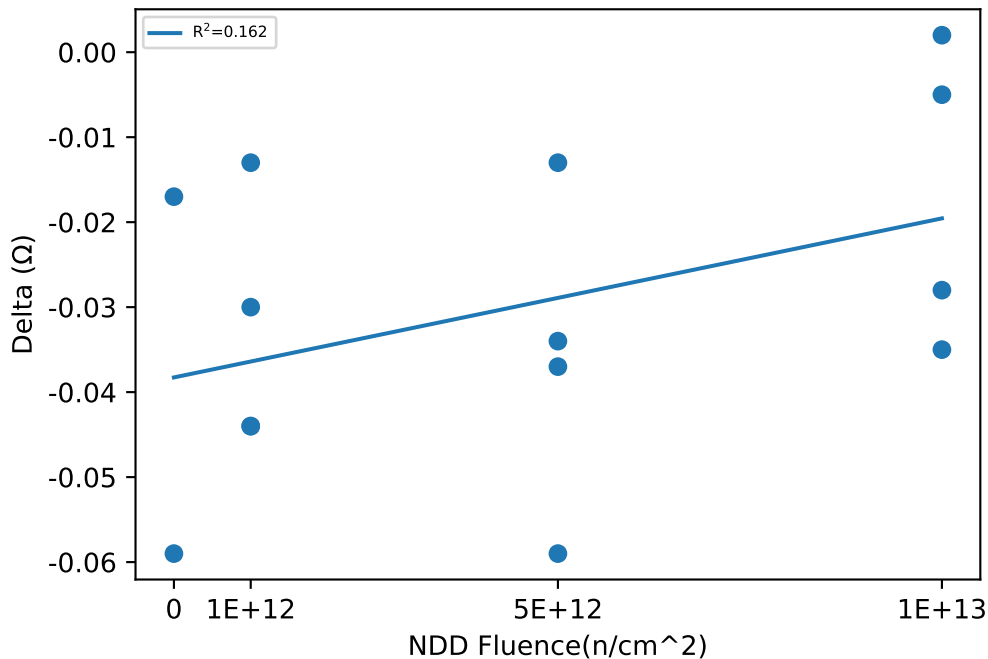
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	15.433	15.374	-0.059
301	0	Correlation	15.288	15.271	-0.017
353	1e+12	NDD Unbiased	15.326	15.282	-0.044
354	1e+12	NDD Unbiased	15.46	15.416	-0.044
355	1e+12	NDD Unbiased	15.349	15.336	-0.013
356	1e+12	NDD Unbiased	15.425	15.395	-0.03
357	5e+12	NDD Unbiased	15.397	15.338	-0.059
358	5e+12	NDD Unbiased	15.424	15.387	-0.037
359	5e+12	NDD Unbiased	15.643	15.63	-0.013
360	5e+12	NDD Unbiased	15.693	15.659	-0.034
361	1e+13	NDD Unbiased	15.424	15.396	-0.028
362	1e+13	NDD Unbiased	15.468	15.47	0.002
363	1e+13	NDD Unbiased	15.338	15.303	-0.035
364	1e+13	NDD Unbiased	15.253	15.248	-0.005

NDD vs Post - Pre Exposure Delta

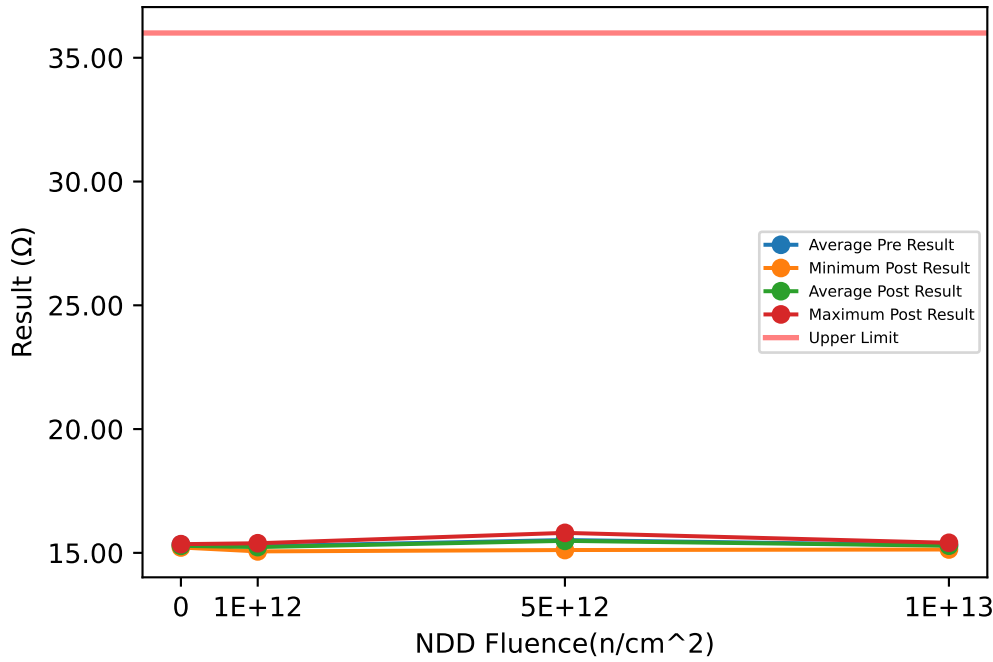


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.288	15.361	15.433	0.10253	15.271	15.323	15.374	0.072832	-0.059	-0.038	-0.017	0.029698
1e+12	15.326	15.39	15.46	0.062987	15.282	15.357	15.416	0.060528	-0.044	-0.03275	-0.013	0.014728
5e+12	15.397	15.539	15.693	0.15047	15.338	15.504	15.659	0.16446	-0.059	-0.03575	-0.013	0.018822
1e+13	15.253	15.371	15.468	0.095273	15.248	15.354	15.47	0.098415	-0.035	-0.0165	0.002	0.017786

Device Test: 18.35 ; WDO_RNMOS

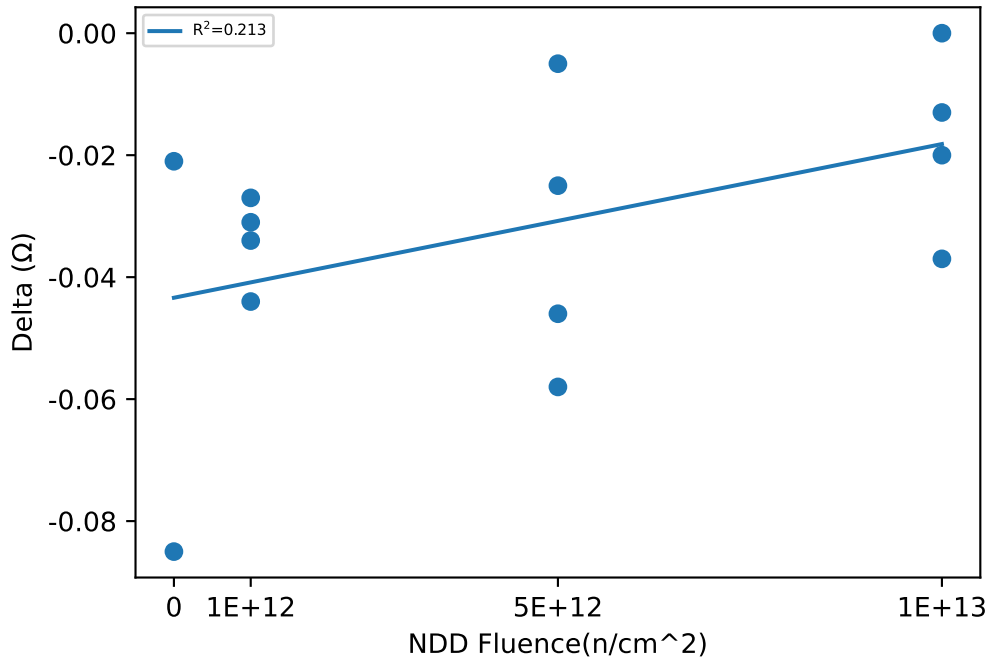
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	15.436	15.351	-0.085
301	0	Correlation	15.238	15.217	-0.021
353	1e+12	NDD Unbiased	15.103	15.059	-0.044
354	1e+12	NDD Unbiased	15.3	15.269	-0.031
355	1e+12	NDD Unbiased	15.243	15.216	-0.027
356	1e+12	NDD Unbiased	15.422	15.388	-0.034
357	5e+12	NDD Unbiased	15.16	15.114	-0.046
358	5e+12	NDD Unbiased	15.41	15.352	-0.058
359	5e+12	NDD Unbiased	15.691	15.666	-0.025
360	5e+12	NDD Unbiased	15.812	15.807	-0.005
361	1e+13	NDD Unbiased	15.388	15.368	-0.02
362	1e+13	NDD Unbiased	15.406	15.406	0
363	1e+13	NDD Unbiased	15.284	15.247	-0.037
364	1e+13	NDD Unbiased	15.149	15.136	-0.013

NDD vs Post - Pre Exposure Delta

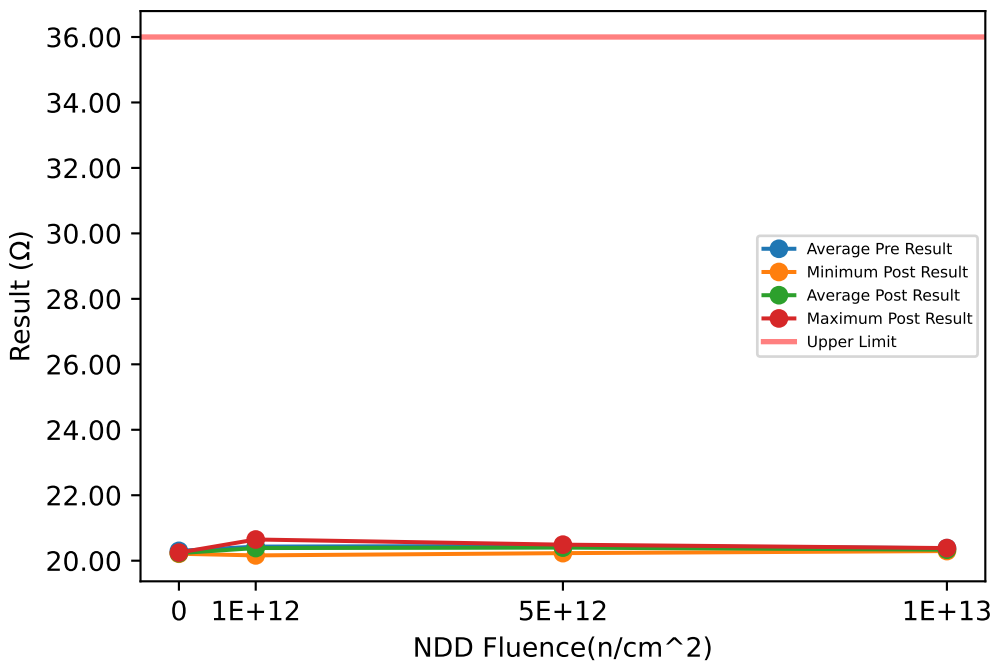


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.238	15.337	15.436	0.14001	15.217	15.284	15.351	0.094752	-0.085	-0.053	-0.021	0.045255
1e+12	15.103	15.267	15.422	0.1324	15.059	15.233	15.388	0.13649	-0.044	-0.034	-0.027	0.0072572
5e+12	15.16	15.518	15.812	0.29223	15.114	15.485	15.807	0.31186	-0.058	-0.0335	-0.005	0.023388
1e+13	15.149	15.307	15.406	0.11812	15.136	15.289	15.406	0.12261	-0.037	-0.0175	0	0.015416

Device Test: 18.36 ; RESET_RNMOS

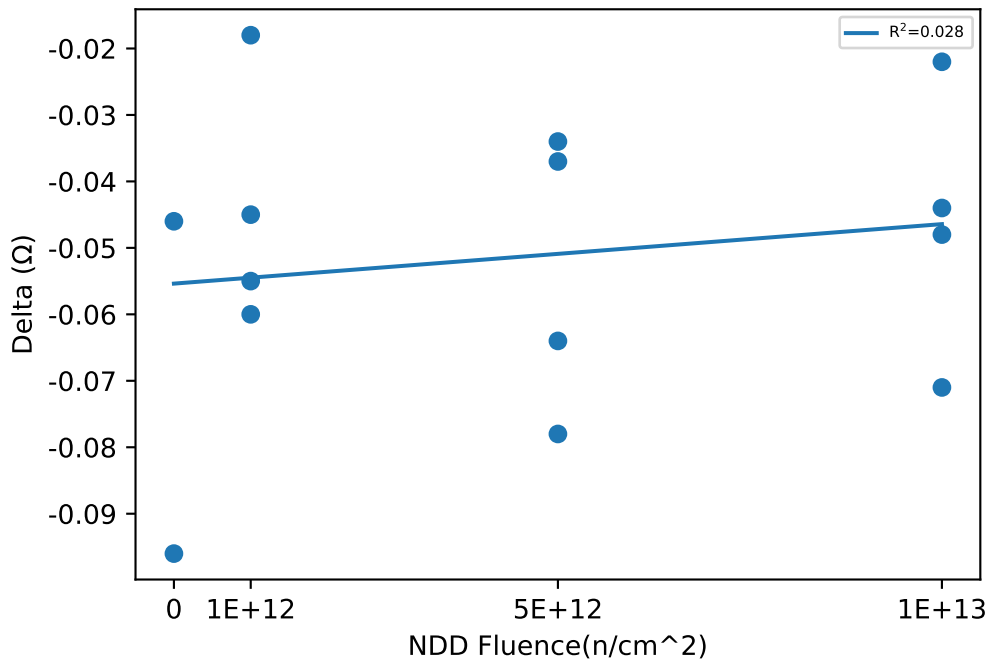
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.343	20.247	-0.096
301	0	Correlation	20.258	20.212	-0.046
353	1e+12	NDD Unbiased	20.222	20.162	-0.06
354	1e+12	NDD Unbiased	20.703	20.648	-0.055
355	1e+12	NDD Unbiased	20.432	20.414	-0.018
356	1e+12	NDD Unbiased	20.367	20.322	-0.045
357	5e+12	NDD Unbiased	20.309	20.231	-0.078
358	5e+12	NDD Unbiased	20.554	20.49	-0.064
359	5e+12	NDD Unbiased	20.527	20.49	-0.037
360	5e+12	NDD Unbiased	20.422	20.388	-0.034
361	1e+13	NDD Unbiased	20.42	20.349	-0.071
362	1e+13	NDD Unbiased	20.408	20.386	-0.022
363	1e+13	NDD Unbiased	20.364	20.316	-0.048
364	1e+13	NDD Unbiased	20.338	20.294	-0.044

NDD vs Post - Pre Exposure Delta

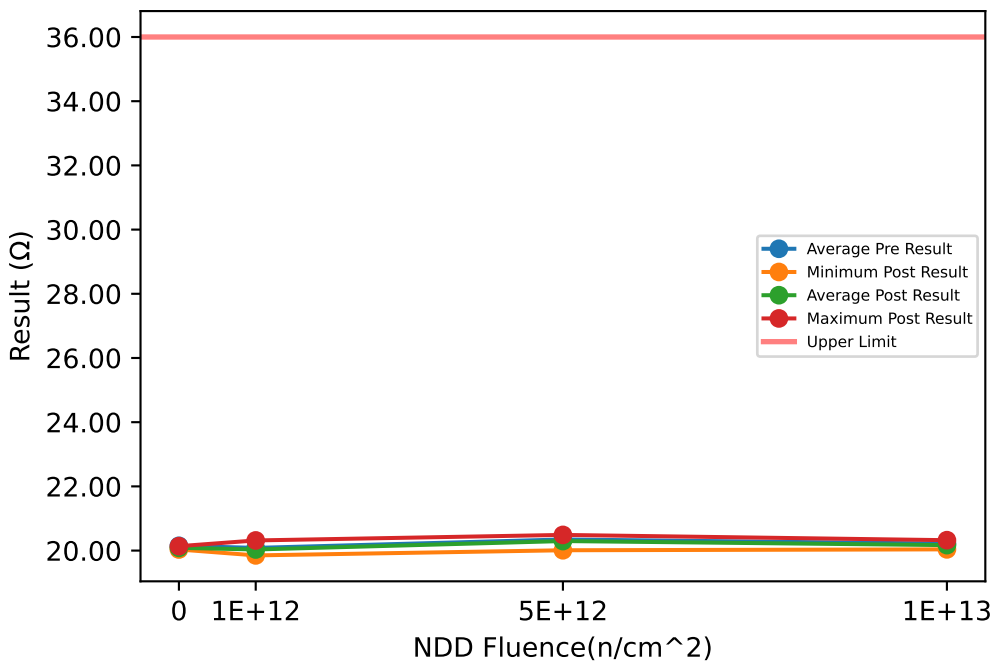


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.258	20.3	20.343	0.060104	20.212	20.23	20.247	0.024749	-0.096	-0.071	-0.046	0.035355
1e+12	20.222	20.431	20.703	0.20146	20.162	20.386	20.648	0.20306	-0.06	-0.0445	-0.018	0.018735
5e+12	20.309	20.453	20.554	0.11162	20.231	20.4	20.49	0.12234	-0.078	-0.05325	-0.034	0.021313
1e+13	20.338	20.383	20.42	0.038206	20.294	20.336	20.386	0.040136	-0.071	-0.04625	-0.022	0.020073

Device Test: 18.37 ; RESET_RNMOS

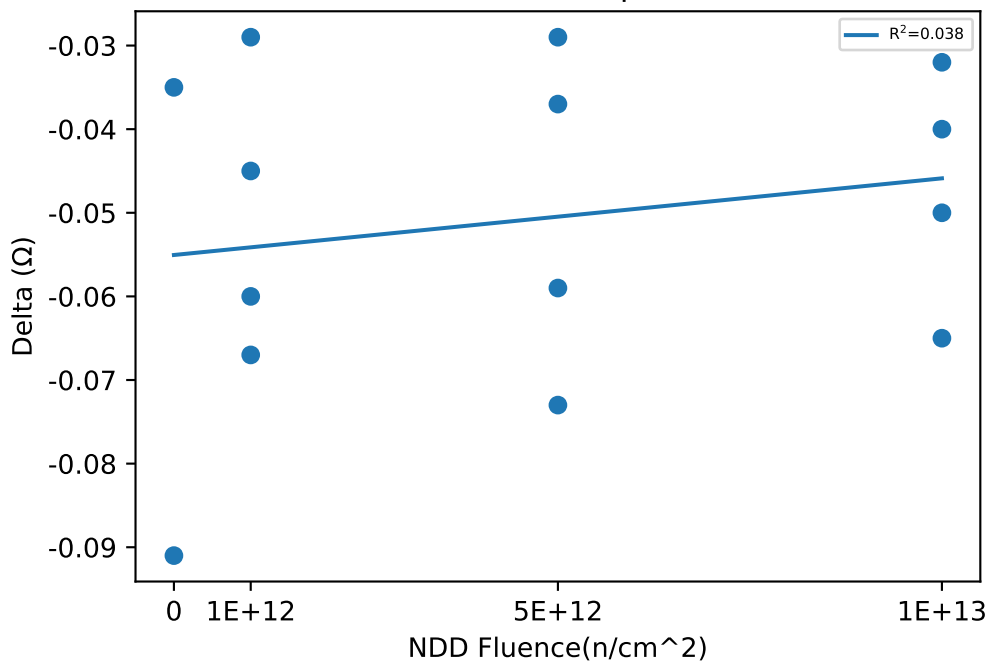
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.228	20.137	-0.091
301	0	Correlation	20.069	20.034	-0.035
353	1e+12	NDD Unbiased	19.91	19.85	-0.06
354	1e+12	NDD Unbiased	20.078	20.011	-0.067
355	1e+12	NDD Unbiased	19.988	19.959	-0.029
356	1e+12	NDD Unbiased	20.361	20.316	-0.045
357	5e+12	NDD Unbiased	20.083	20.01	-0.073
358	5e+12	NDD Unbiased	20.289	20.23	-0.059
359	5e+12	NDD Unbiased	20.525	20.488	-0.037
360	5e+12	NDD Unbiased	20.488	20.459	-0.029
361	1e+13	NDD Unbiased	20.389	20.324	-0.065
362	1e+13	NDD Unbiased	20.147	20.115	-0.032
363	1e+13	NDD Unbiased	20.243	20.203	-0.04
364	1e+13	NDD Unbiased	20.088	20.038	-0.05

NDD vs Post - Pre Exposure Delta

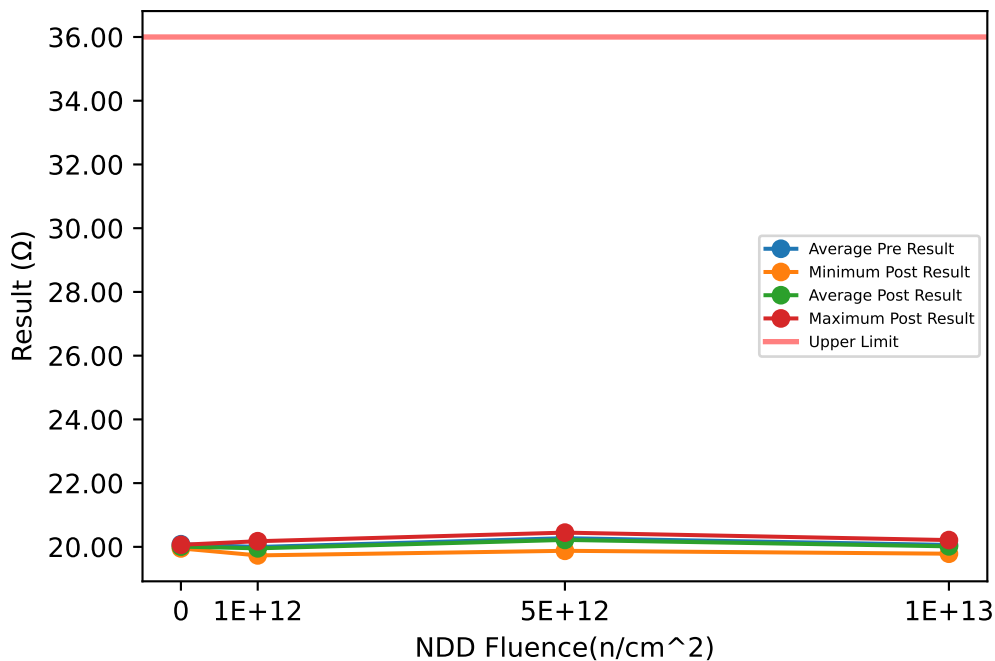


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.069	20.148	20.228	0.11243	20.034	20.085	20.137	0.072832	-0.091	-0.063	-0.035	0.039598
1e+12	19.91	20.084	20.361	0.19686	19.85	20.034	20.316	0.19961	-0.067	-0.05025	-0.029	0.016879
5e+12	20.083	20.346	20.525	0.20382	20.01	20.297	20.488	0.2233	-0.073	-0.0495	-0.029	0.020158
1e+13	20.088	20.217	20.389	0.1314	20.038	20.17	20.324	0.12282	-0.065	-0.04675	-0.032	0.014221

Device Test: 18.38 ; RESET_RNMOS

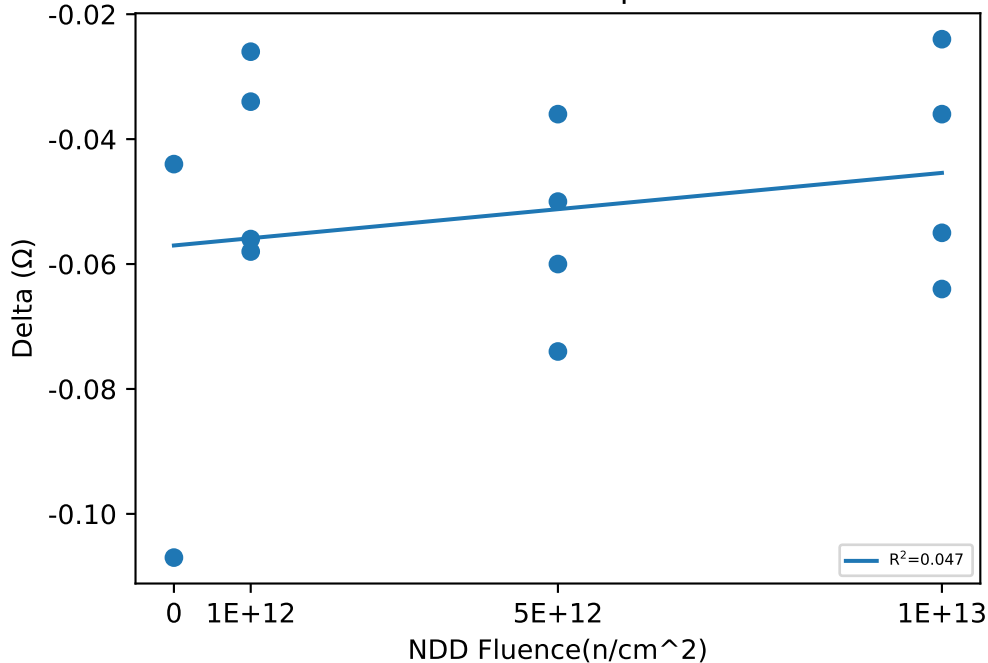
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.171	20.064	-0.107
301	0	Correlation	19.995	19.951	-0.044
353	1e+12	NDD Unbiased	19.79	19.732	-0.058
354	1e+12	NDD Unbiased	20.084	20.028	-0.056
355	1e+12	NDD Unbiased	19.901	19.875	-0.026
356	1e+12	NDD Unbiased	20.211	20.177	-0.034
357	5e+12	NDD Unbiased	19.936	19.876	-0.06
358	5e+12	NDD Unbiased	20.263	20.189	-0.074
359	5e+12	NDD Unbiased	20.483	20.447	-0.036
360	5e+12	NDD Unbiased	20.408	20.358	-0.05
361	1e+13	NDD Unbiased	20.277	20.213	-0.064
362	1e+13	NDD Unbiased	19.95	19.926	-0.024
363	1e+13	NDD Unbiased	20.193	20.138	-0.055
364	1e+13	NDD Unbiased	19.821	19.785	-0.036

NDD vs Post - Pre Exposure Delta

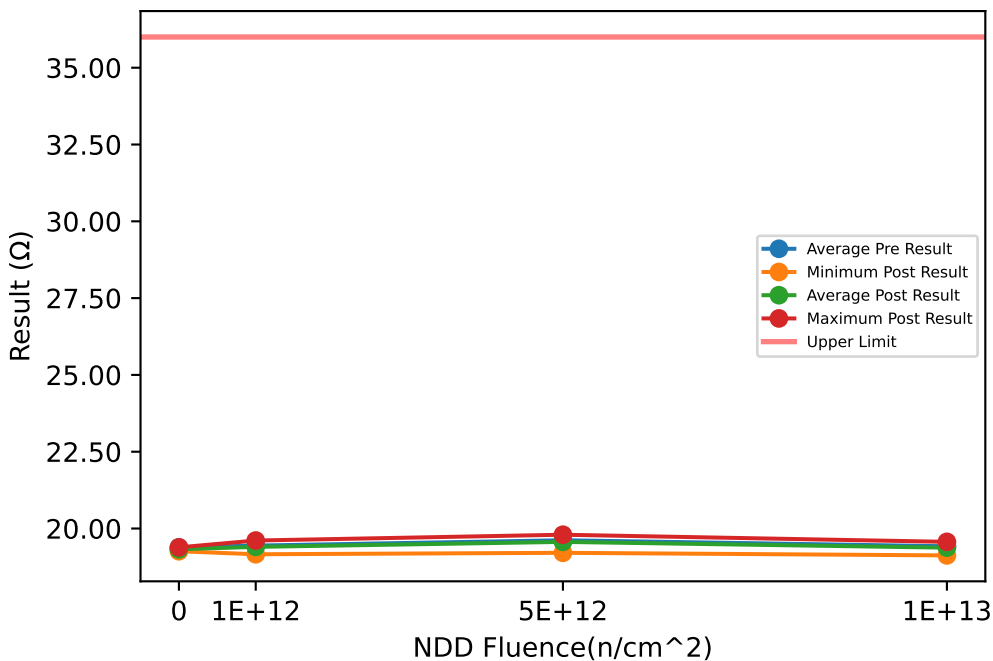


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.995	20.083	20.171	0.12445	19.951	20.008	20.064	0.079903	-0.107	-0.0755	-0.044	0.044548
1e+12	19.79	19.996	20.211	0.18746	19.732	19.953	20.177	0.19212	-0.058	-0.0435	-0.026	0.015948
5e+12	19.936	20.273	20.483	0.24221	19.876	20.218	20.447	0.25156	-0.074	-0.055	-0.036	0.016042
1e+13	19.821	20.06	20.277	0.21134	19.785	20.015	20.213	0.19592	-0.064	-0.04475	-0.024	0.018099

Device Test: 18.39 ; RESET_RNMOS

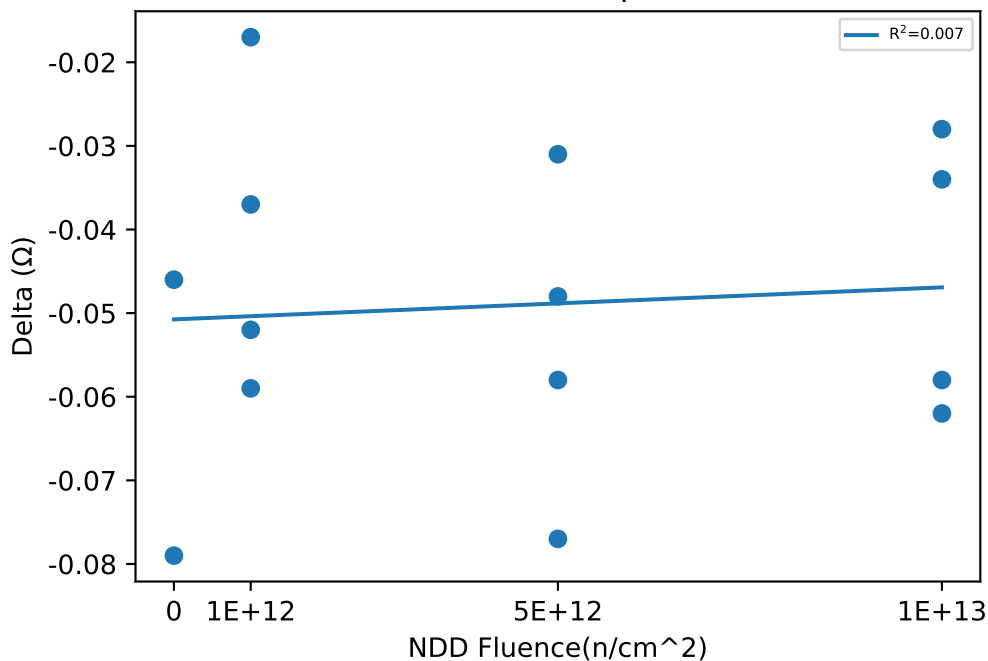
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.466	19.387	-0.079
301	0	Correlation	19.306	19.26	-0.046
353	1e+12	NDD Unbiased	19.214	19.162	-0.052
354	1e+12	NDD Unbiased	19.609	19.55	-0.059
355	1e+12	NDD Unbiased	19.326	19.289	-0.037
356	1e+12	NDD Unbiased	19.626	19.609	-0.017
357	5e+12	NDD Unbiased	19.267	19.209	-0.058
358	5e+12	NDD Unbiased	19.618	19.541	-0.077
359	5e+12	NDD Unbiased	19.846	19.798	-0.048
360	5e+12	NDD Unbiased	19.741	19.71	-0.031
361	1e+13	NDD Unbiased	19.628	19.566	-0.062
362	1e+13	NDD Unbiased	19.37	19.342	-0.028
363	1e+13	NDD Unbiased	19.53	19.472	-0.058
364	1e+13	NDD Unbiased	19.159	19.125	-0.034

NDD vs Post - Pre Exposure Delta

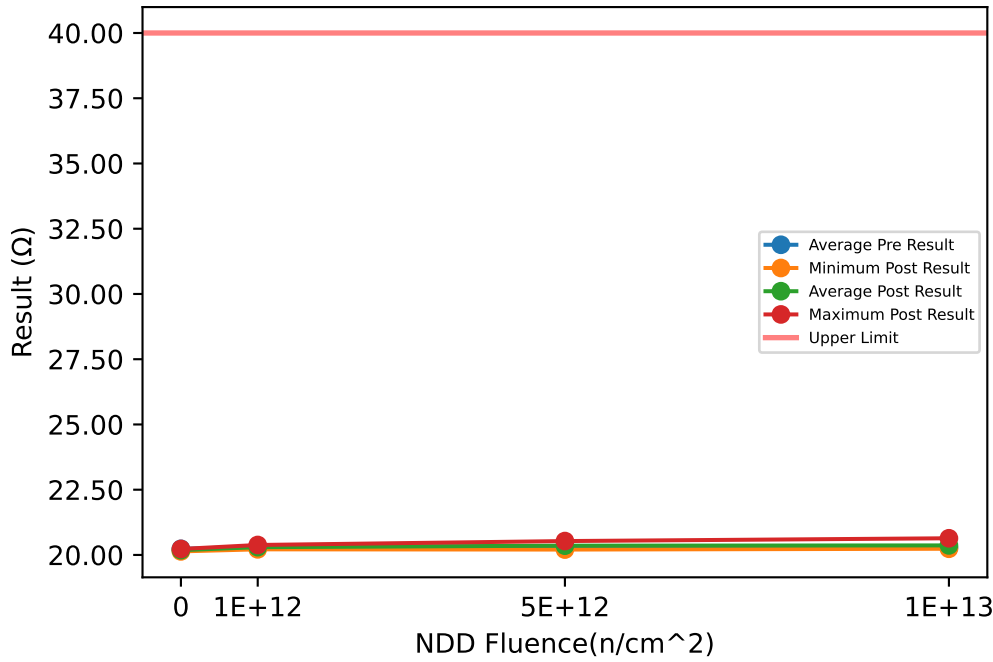


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.306	19.386	19.466	0.11314	19.26	19.324	19.387	0.089803	-0.079	-0.0625	-0.046	0.023335
1e+12	19.214	19.444	19.626	0.20589	19.162	19.402	19.609	0.21223	-0.059	-0.04125	-0.017	0.01859
5e+12	19.267	19.618	19.846	0.25187	19.209	19.564	19.798	0.25989	-0.077	-0.0535	-0.031	0.019227
1e+13	19.159	19.422	19.628	0.20492	19.125	19.376	19.566	0.19103	-0.062	-0.0455	-0.028	0.017

Device Test: 18.4 ; PWRGD_RPMOS_LOW_V

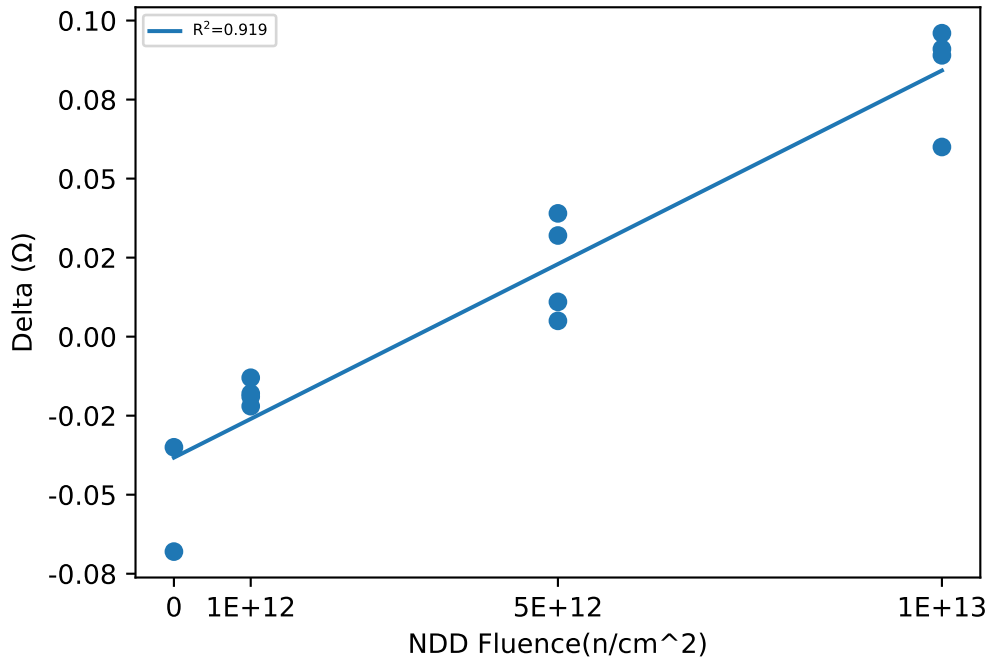
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.297	20.229	-0.068
301	0	Correlation	20.171	20.136	-0.035
353	1e+12	NDD Unbiased	20.237	20.215	-0.022
354	1e+12	NDD Unbiased	20.27	20.252	-0.018
355	1e+12	NDD Unbiased	20.361	20.342	-0.019
356	1e+12	NDD Unbiased	20.395	20.382	-0.013
357	5e+12	NDD Unbiased	20.201	20.206	0.005
358	5e+12	NDD Unbiased	20.521	20.532	0.011
359	5e+12	NDD Unbiased	20.203	20.242	0.039
360	5e+12	NDD Unbiased	20.411	20.443	0.032
361	1e+13	NDD Unbiased	20.186	20.246	0.06
362	1e+13	NDD Unbiased	20.548	20.639	0.091
363	1e+13	NDD Unbiased	20.141	20.237	0.096
364	1e+13	NDD Unbiased	20.253	20.342	0.089

NDD vs Post - Pre Exposure Delta

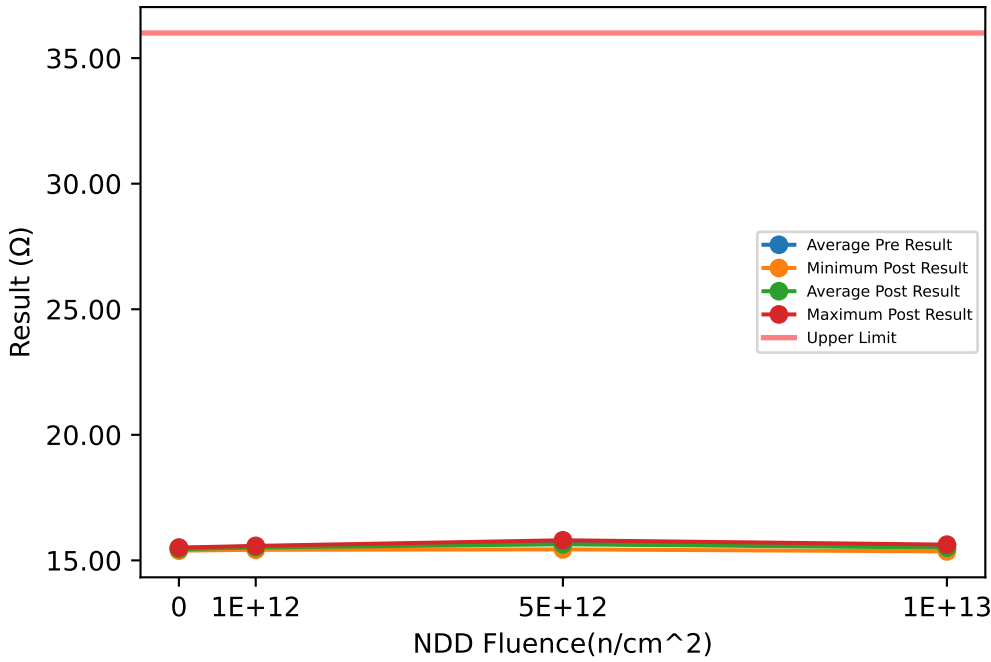


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.171	20.234	20.297	0.089095	20.136	20.182	20.229	0.065761	-0.068	-0.0515	-0.035	0.023335
1e+12	20.237	20.316	20.395	0.074437	20.215	20.298	20.382	0.077453	-0.022	-0.018	-0.013	0.0037417
5e+12	20.201	20.334	20.521	0.1589	20.206	20.356	20.532	0.1571	0.005	0.02175	0.039	0.016317
1e+13	20.141	20.282	20.548	0.18321	20.237	20.366	20.639	0.1881	0.06	0.084	0.096	0.016269

Device Test: 18.40 ; PWRGD_RNMOS

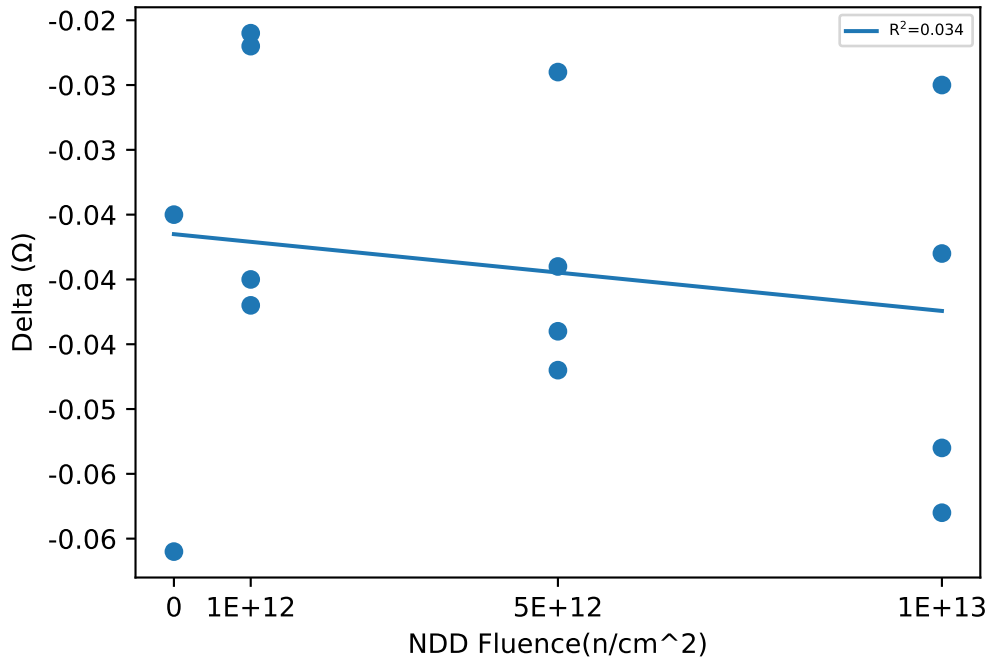
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	15.569	15.508	-0.061
301	0	Correlation	15.423	15.388	-0.035
353	1e+12	NDD Unbiased	15.463	15.421	-0.042
354	1e+12	NDD Unbiased	15.618	15.578	-0.04
355	1e+12	NDD Unbiased	15.543	15.522	-0.021
356	1e+12	NDD Unbiased	15.566	15.544	-0.022
357	5e+12	NDD Unbiased	15.482	15.438	-0.044
358	5e+12	NDD Unbiased	15.572	15.525	-0.047
359	5e+12	NDD Unbiased	15.826	15.802	-0.024
360	5e+12	NDD Unbiased	15.834	15.795	-0.039
361	1e+13	NDD Unbiased	15.612	15.559	-0.053
362	1e+13	NDD Unbiased	15.652	15.627	-0.025
363	1e+13	NDD Unbiased	15.55	15.492	-0.058
364	1e+13	NDD Unbiased	15.396	15.358	-0.038

NDD vs Post - Pre Exposure Delta

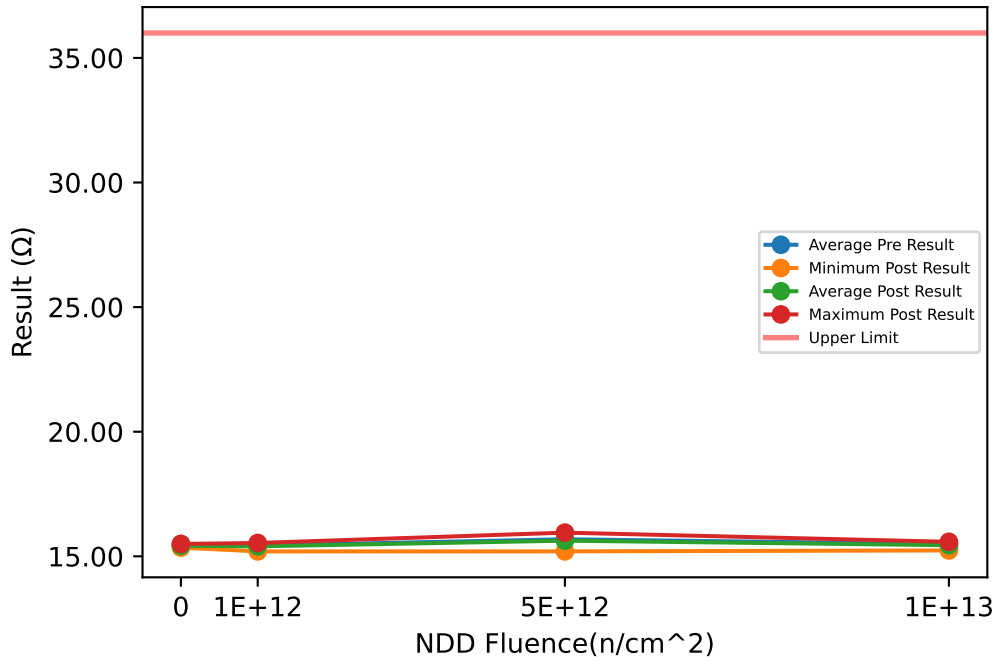


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.423	15.496	15.569	0.10324	15.388	15.448	15.508	0.084853	-0.061	-0.048	-0.035	0.018385
1e+12	15.463	15.547	15.618	0.06448	15.421	15.516	15.578	0.067549	-0.042	-0.03125	-0.021	0.011295
5e+12	15.482	15.678	15.834	0.17878	15.438	15.64	15.802	0.18646	-0.047	-0.0385	-0.024	0.010214
1e+13	15.396	15.553	15.652	0.11246	15.358	15.509	15.627	0.11477	-0.058	-0.0435	-0.025	0.014978

Device Test: 18.41 ; WDO_RNMOS

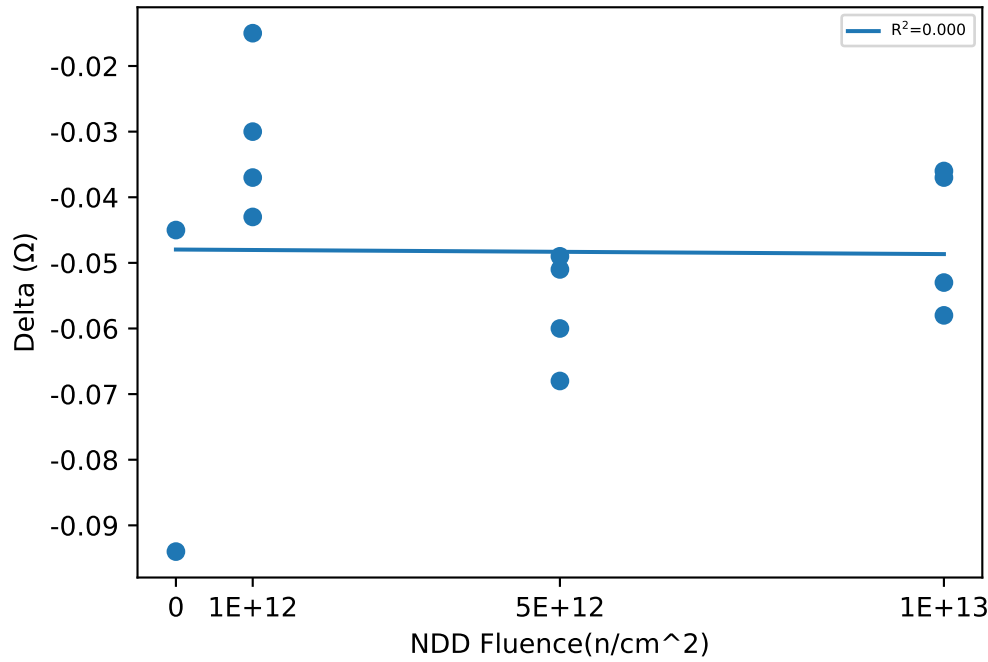
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	15.59	15.496	-0.094
301	0	Correlation	15.393	15.348	-0.045
353	1e+12	NDD Unbiased	15.24	15.197	-0.043
354	1e+12	NDD Unbiased	15.484	15.447	-0.037
355	1e+12	NDD Unbiased	15.435	15.42	-0.015
356	1e+12	NDD Unbiased	15.565	15.535	-0.03
357	5e+12	NDD Unbiased	15.259	15.199	-0.06
358	5e+12	NDD Unbiased	15.583	15.515	-0.068
359	5e+12	NDD Unbiased	15.893	15.842	-0.051
360	5e+12	NDD Unbiased	15.999	15.95	-0.049
361	1e+13	NDD Unbiased	15.586	15.533	-0.053
362	1e+13	NDD Unbiased	15.617	15.581	-0.036
363	1e+13	NDD Unbiased	15.492	15.434	-0.058
364	1e+13	NDD Unbiased	15.272	15.235	-0.037

NDD vs Post - Pre Exposure Delta

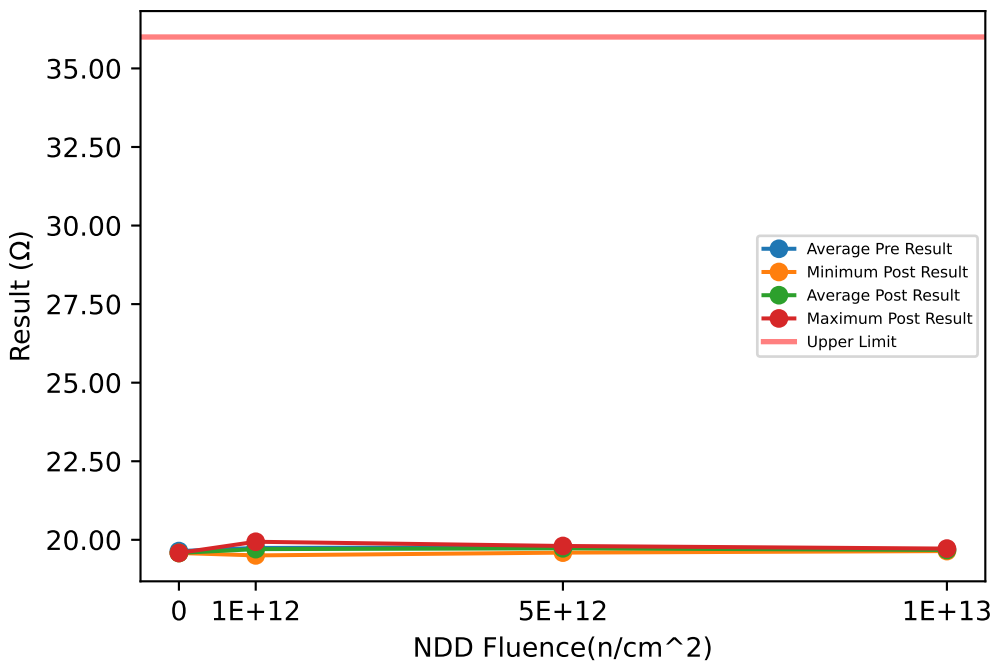


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.393	15.492	15.59	0.1393	15.348	15.422	15.496	0.10465	-0.094	-0.0695	-0.045	0.034648
1e+12	15.24	15.431	15.565	0.13816	15.197	15.4	15.535	0.14381	-0.043	-0.03125	-0.015	0.012066
5e+12	15.259	15.684	15.999	0.33353	15.199	15.627	15.95	0.33975	-0.068	-0.057	-0.049	0.008756
1e+13	15.272	15.492	15.617	0.15584	15.235	15.446	15.581	0.15325	-0.058	-0.046	-0.036	0.011165

Device Test: 18.42 ; RESET_RNMOS

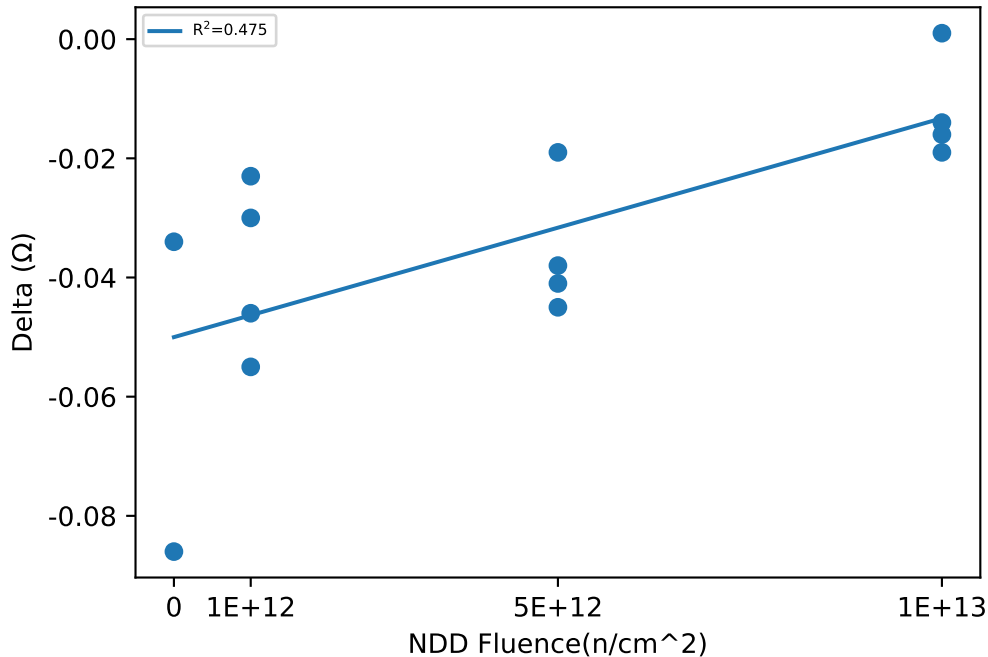
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.668	19.582	-0.086
301	0	Correlation	19.615	19.581	-0.034
353	1e+12	NDD Unbiased	19.55	19.504	-0.046
354	1e+12	NDD Unbiased	19.993	19.938	-0.055
355	1e+12	NDD Unbiased	19.727	19.697	-0.03
356	1e+12	NDD Unbiased	19.697	19.674	-0.023
357	5e+12	NDD Unbiased	19.633	19.592	-0.041
358	5e+12	NDD Unbiased	19.849	19.804	-0.045
359	5e+12	NDD Unbiased	19.832	19.794	-0.038
360	5e+12	NDD Unbiased	19.746	19.727	-0.019
361	1e+13	NDD Unbiased	19.715	19.696	-0.019
362	1e+13	NDD Unbiased	19.72	19.721	0.001
363	1e+13	NDD Unbiased	19.655	19.641	-0.014
364	1e+13	NDD Unbiased	19.663	19.647	-0.016

NDD vs Post - Pre Exposure Delta

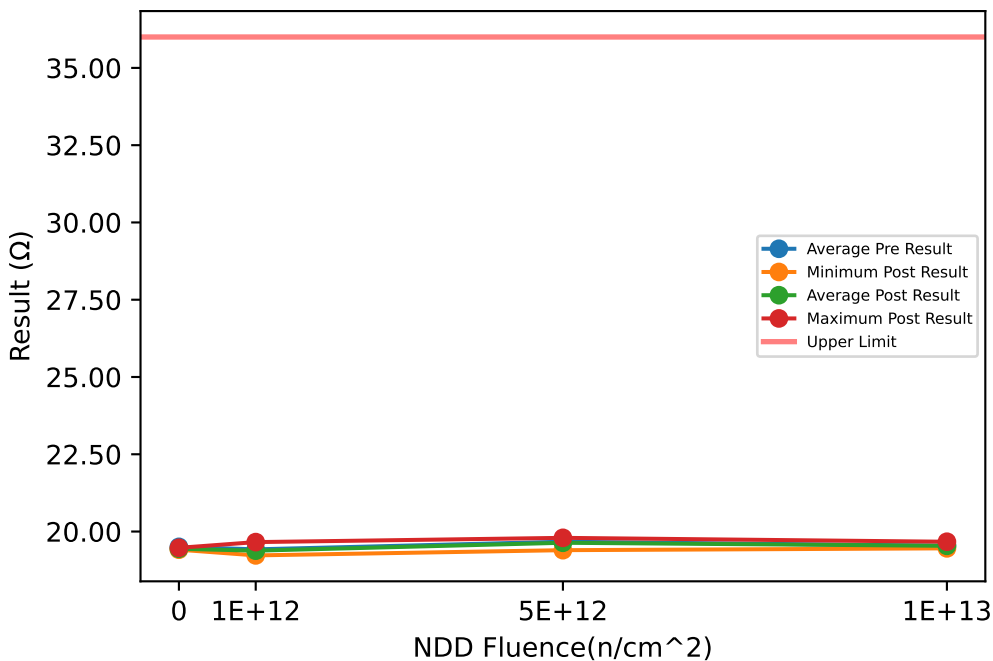


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.615	19.642	19.668	0.037477	19.581	19.581	19.582	0.00070711	-0.086	-0.06	-0.034	0.03677
1e+12	19.55	19.742	19.993	0.18449	19.504	19.703	19.938	0.17861	-0.055	-0.0385	-0.023	0.014617
5e+12	19.633	19.765	19.849	0.098877	19.592	19.729	19.804	0.097678	-0.045	-0.03575	-0.019	0.011529
1e+13	19.655	19.688	19.72	0.033994	19.641	19.676	19.721	0.03869	-0.019	-0.012	0.001	0.0089069

Device Test: 18.43 ; RESET_RNMOS

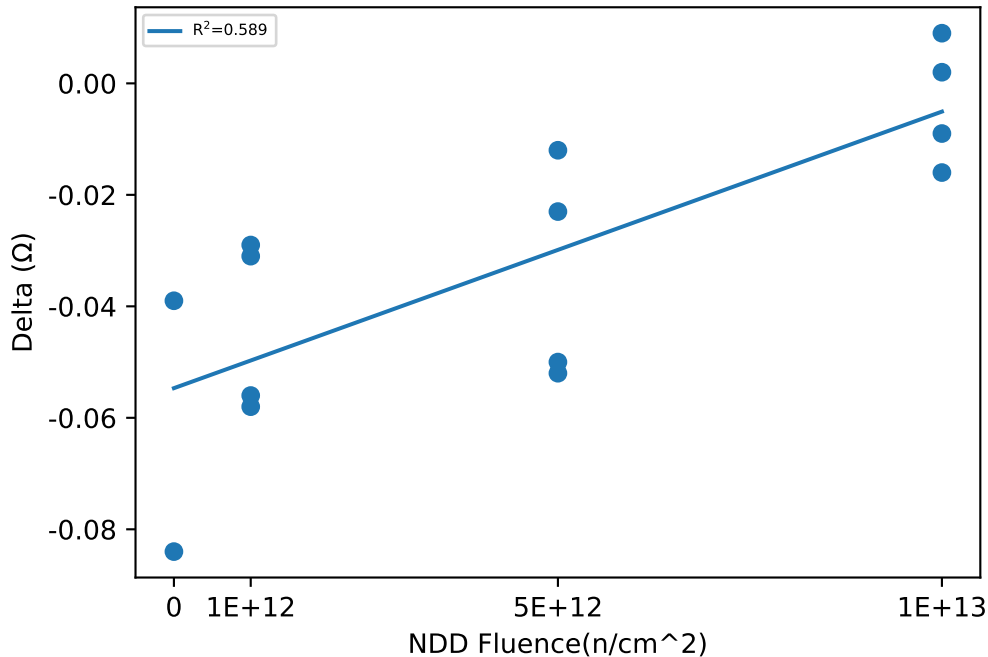
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.557	19.473	-0.084
301	0	Correlation	19.451	19.412	-0.039
353	1e+12	NDD Unbiased	19.284	19.228	-0.056
354	1e+12	NDD Unbiased	19.403	19.345	-0.058
355	1e+12	NDD Unbiased	19.322	19.291	-0.031
356	1e+12	NDD Unbiased	19.687	19.658	-0.029
357	5e+12	NDD Unbiased	19.449	19.397	-0.052
358	5e+12	NDD Unbiased	19.635	19.585	-0.05
359	5e+12	NDD Unbiased	19.819	19.796	-0.023
360	5e+12	NDD Unbiased	19.78	19.768	-0.012
361	1e+13	NDD Unbiased	19.686	19.67	-0.016
362	1e+13	NDD Unbiased	19.477	19.486	0.009
363	1e+13	NDD Unbiased	19.549	19.54	-0.009
364	1e+13	NDD Unbiased	19.454	19.456	0.002

NDD vs Post - Pre Exposure Delta

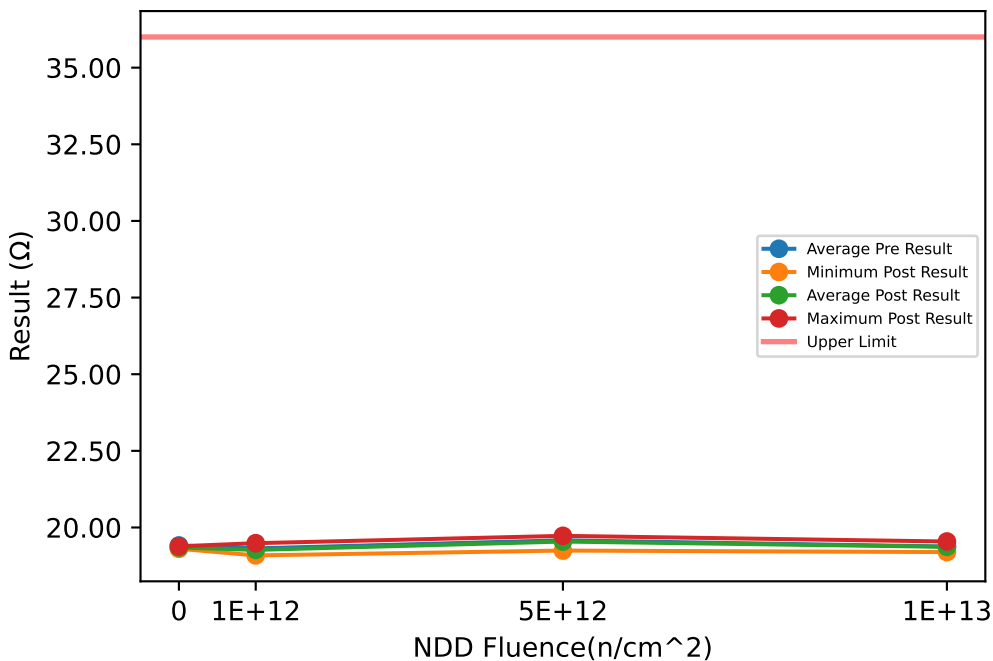


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.451	19.504	19.557	0.074953	19.412	19.442	19.473	0.043134	-0.084	-0.0615	-0.039	0.03182
1e+12	19.284	19.424	19.687	0.18222	19.228	19.381	19.658	0.19108	-0.058	-0.0435	-0.029	0.015631
5e+12	19.449	19.671	19.819	0.16769	19.397	19.636	19.796	0.18506	-0.052	-0.03425	-0.012	0.019873
1e+13	19.454	19.541	19.686	0.10449	19.456	19.538	19.67	0.094615	-0.016	-0.0035	0.009	0.01115

Device Test: 18.44 ; RESET_RNMOS

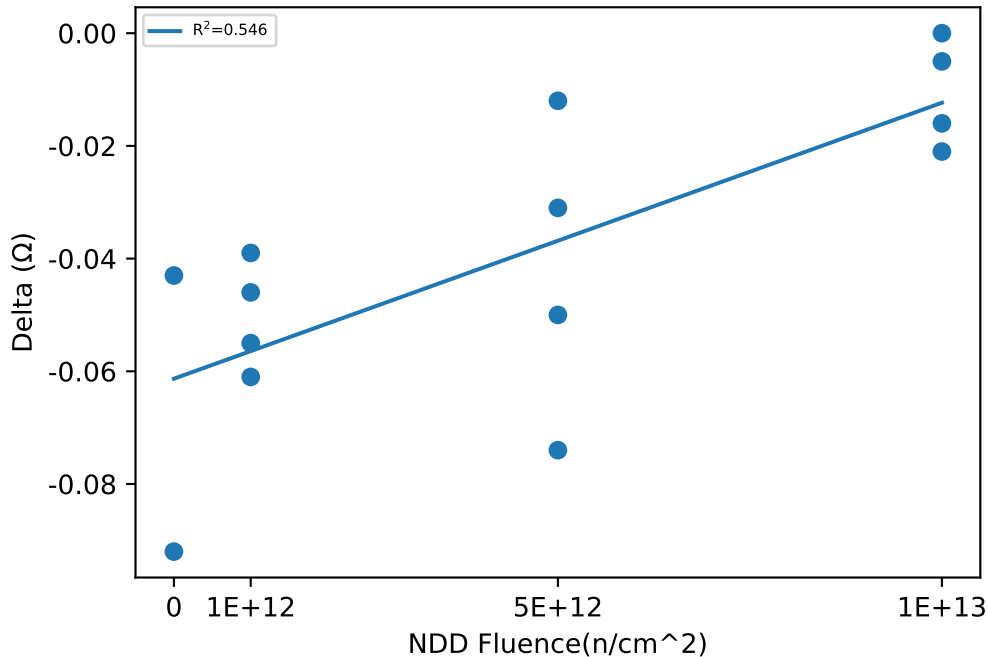
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.479	19.387	-0.092
301	0	Correlation	19.349	19.306	-0.043
353	1e+12	NDD Unbiased	19.151	19.09	-0.061
354	1e+12	NDD Unbiased	19.374	19.319	-0.055
355	1e+12	NDD Unbiased	19.219	19.18	-0.039
356	1e+12	NDD Unbiased	19.534	19.488	-0.046
357	5e+12	NDD Unbiased	19.298	19.248	-0.05
358	5e+12	NDD Unbiased	19.587	19.513	-0.074
359	5e+12	NDD Unbiased	19.759	19.728	-0.031
360	5e+12	NDD Unbiased	19.689	19.677	-0.012
361	1e+13	NDD Unbiased	19.564	19.543	-0.021
362	1e+13	NDD Unbiased	19.285	19.285	0
363	1e+13	NDD Unbiased	19.467	19.451	-0.016
364	1e+13	NDD Unbiased	19.203	19.198	-0.005

NDD vs Post - Pre Exposure Delta

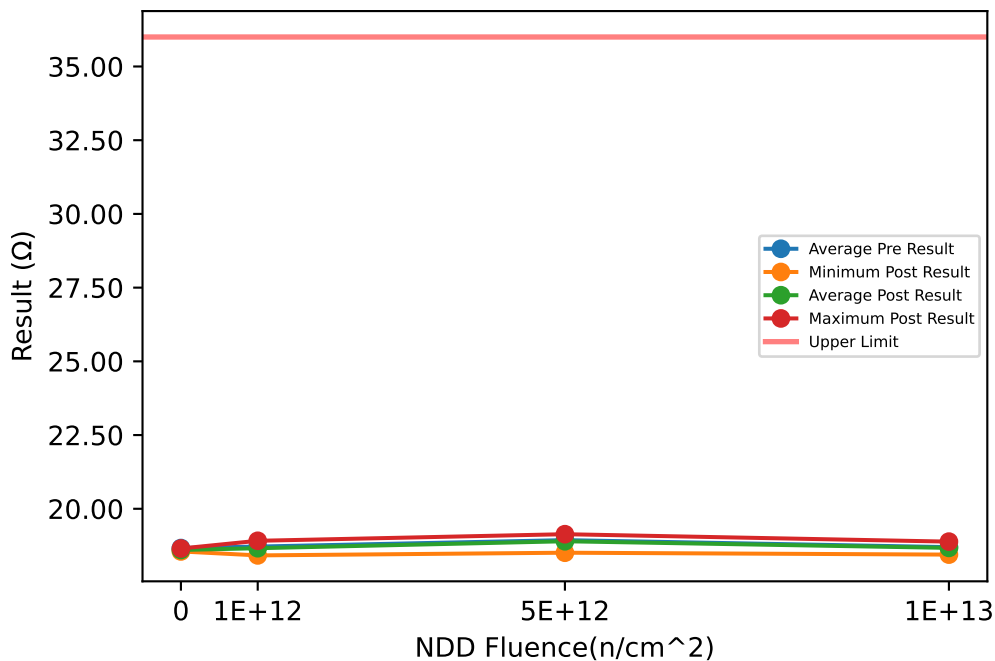


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.349	19.414	19.479	0.091924	19.306	19.346	19.387	0.057276	-0.092	-0.0675	-0.043	0.034648
1e+12	19.151	19.319	19.534	0.17076	19.09	19.269	19.488	0.17361	-0.061	-0.05025	-0.039	0.0097082
5e+12	19.298	19.583	19.759	0.20286	19.248	19.541	19.728	0.2161	-0.074	-0.04175	-0.012	0.026513
1e+13	19.203	19.38	19.564	0.1651	19.198	19.369	19.543	0.15631	-0.021	-0.0105	0	0.0096782

Device Test: 18.45 ; RESET_RNMOS

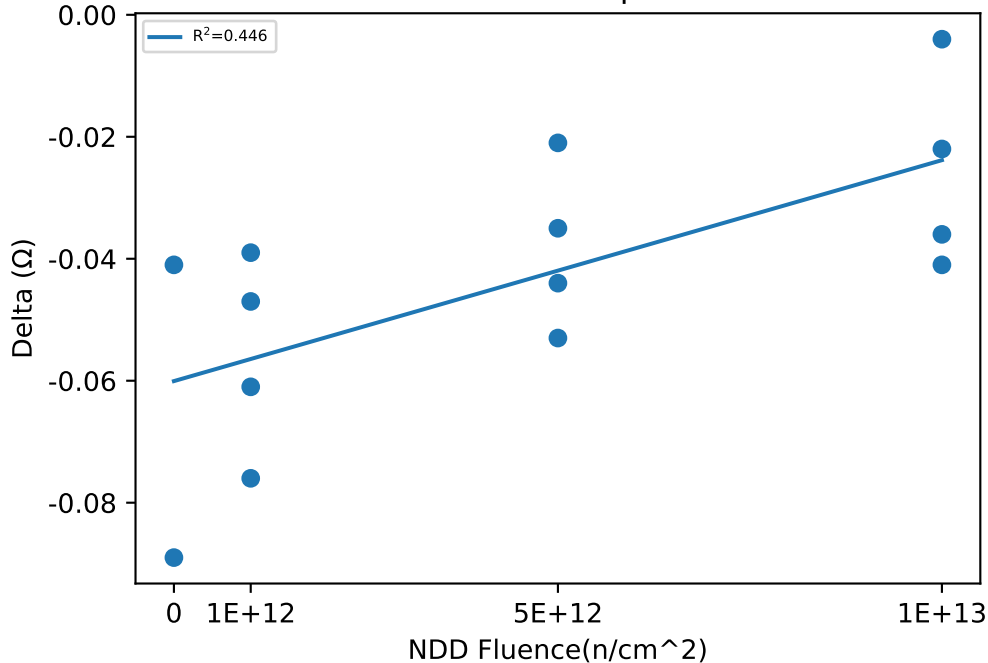
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	18.742	18.653	-0.089
301	0	Correlation	18.594	18.553	-0.041
353	1e+12	NDD Unbiased	18.48	18.419	-0.061
354	1e+12	NDD Unbiased	18.888	18.812	-0.076
355	1e+12	NDD Unbiased	18.545	18.506	-0.039
356	1e+12	NDD Unbiased	18.961	18.914	-0.047
357	5e+12	NDD Unbiased	18.563	18.51	-0.053
358	5e+12	NDD Unbiased	18.93	18.886	-0.044
359	5e+12	NDD Unbiased	19.173	19.138	-0.035
360	5e+12	NDD Unbiased	19.081	19.06	-0.021
361	1e+13	NDD Unbiased	18.922	18.886	-0.036
362	1e+13	NDD Unbiased	18.623	18.619	-0.004
363	1e+13	NDD Unbiased	18.784	18.743	-0.041
364	1e+13	NDD Unbiased	18.468	18.446	-0.022

NDD vs Post - Pre Exposure Delta

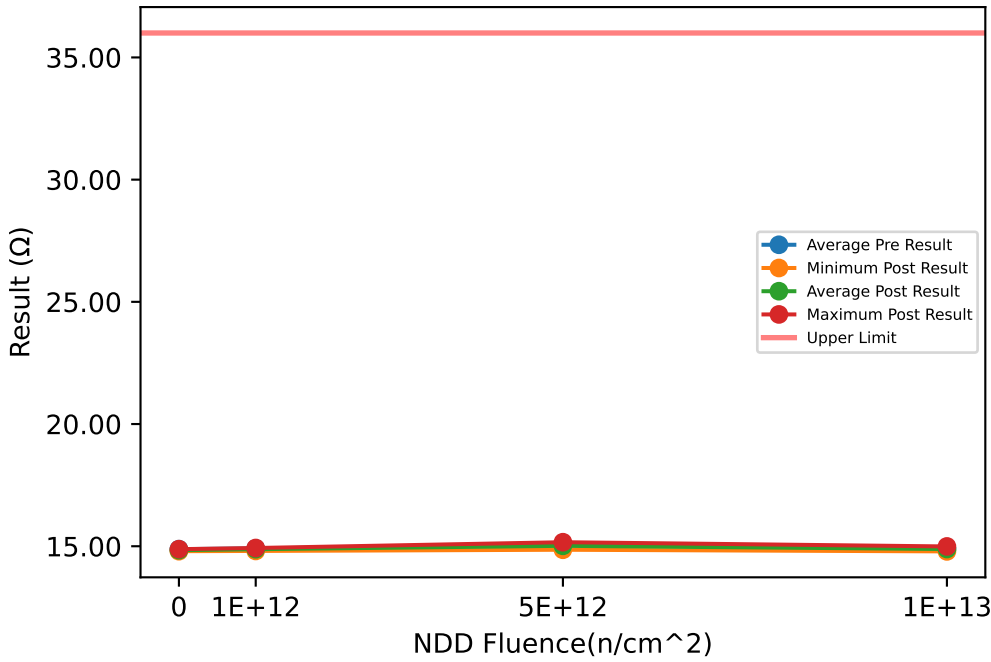


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.594	18.668	18.742	0.10465	18.553	18.603	18.653	0.070711	-0.089	-0.065	-0.041	0.033941
1e+12	18.48	18.718	18.961	0.24119	18.419	18.663	18.914	0.23762	-0.076	-0.05575	-0.039	0.016276
5e+12	18.563	18.937	19.173	0.26855	18.51	18.898	19.138	0.2796	-0.053	-0.03825	-0.021	0.013647
1e+13	18.468	18.699	18.922	0.19672	18.446	18.674	18.886	0.18683	-0.041	-0.02575	-0.004	0.016581

Device Test: 18.46 ; PWRGD_RNMOS

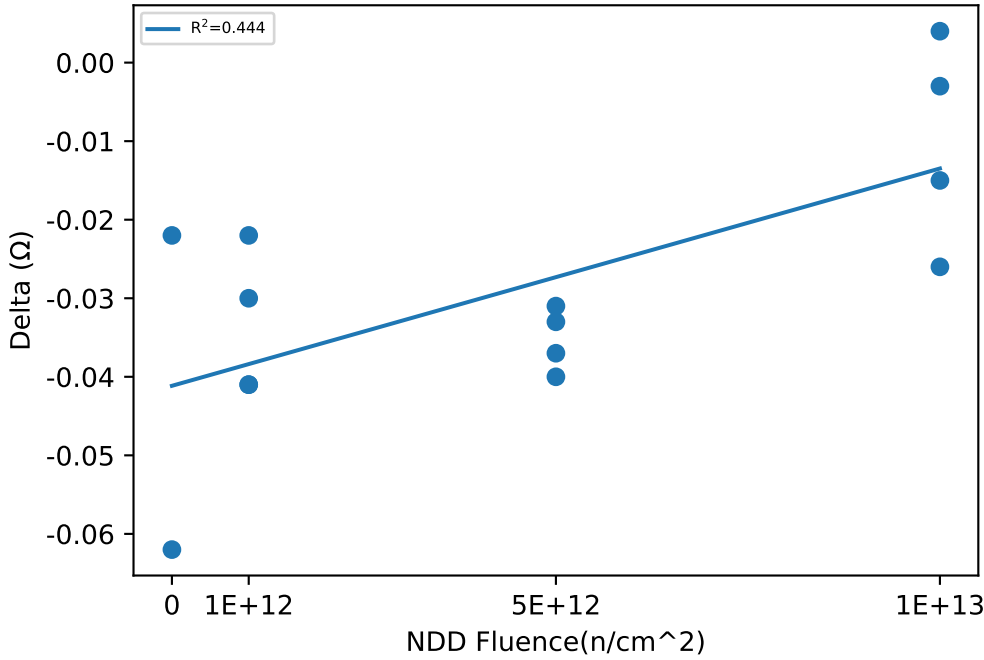
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	14.942	14.88	-0.062
301	0	Correlation	14.819	14.797	-0.022
353	1e+12	NDD Unbiased	14.848	14.807	-0.041
354	1e+12	NDD Unbiased	14.969	14.928	-0.041
355	1e+12	NDD Unbiased	14.882	14.86	-0.022
356	1e+12	NDD Unbiased	14.949	14.919	-0.03
357	5e+12	NDD Unbiased	14.896	14.856	-0.04
358	5e+12	NDD Unbiased	14.947	14.914	-0.033
359	5e+12	NDD Unbiased	15.162	15.131	-0.031
360	5e+12	NDD Unbiased	15.202	15.165	-0.037
361	1e+13	NDD Unbiased	14.936	14.921	-0.015
362	1e+13	NDD Unbiased	14.988	14.992	0.004
363	1e+13	NDD Unbiased	14.867	14.841	-0.026
364	1e+13	NDD Unbiased	14.792	14.789	-0.003

NDD vs Post - Pre Exposure Delta

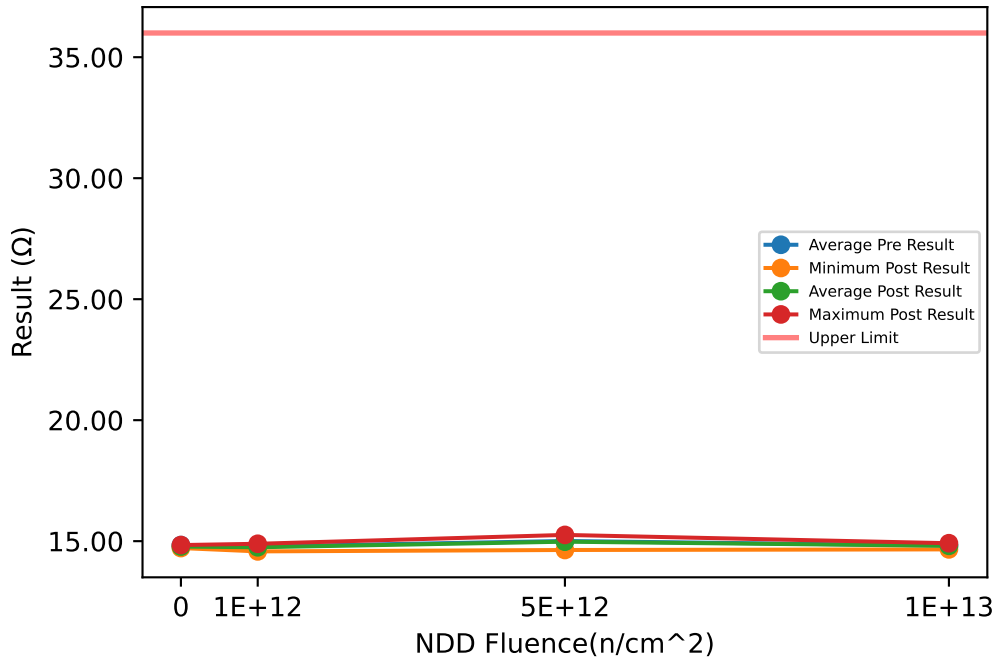


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.819	14.881	14.942	0.086974	14.797	14.838	14.88	0.05869	-0.062	-0.042	-0.022	0.028284
1e+12	14.848	14.912	14.969	0.05661	14.807	14.879	14.928	0.056406	-0.041	-0.0335	-0.022	0.0092556
5e+12	14.896	15.052	15.202	0.15271	14.856	15.017	15.165	0.1543	-0.04	-0.03525	-0.031	0.0040311
1e+13	14.792	14.896	14.988	0.08509	14.789	14.886	14.992	0.089246	-0.026	-0.01	0.004	0.013241

Device Test: 18.47 ; WDO_RNMOS

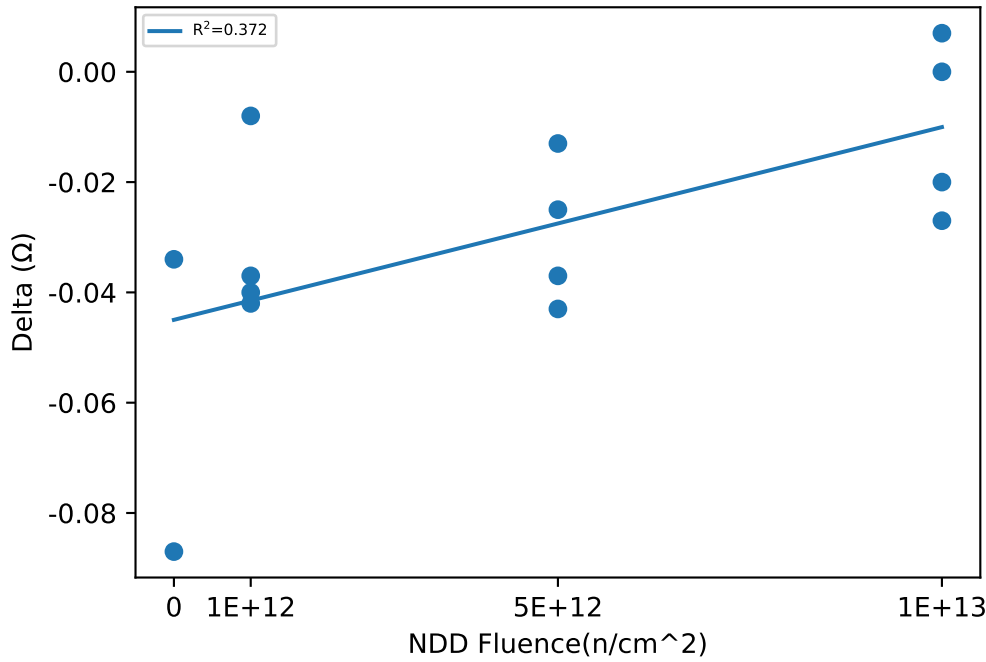
NDD vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	14.926	14.839	-0.087
301	0	Correlation	14.749	14.715	-0.034
353	1e+12	NDD Unbiased	14.619	14.577	-0.042
354	1e+12	NDD Unbiased	14.815	14.775	-0.04
355	1e+12	NDD Unbiased	14.753	14.745	-0.008
356	1e+12	NDD Unbiased	14.929	14.892	-0.037
357	5e+12	NDD Unbiased	14.678	14.635	-0.043
358	5e+12	NDD Unbiased	14.914	14.877	-0.037
359	5e+12	NDD Unbiased	15.167	15.142	-0.025
360	5e+12	NDD Unbiased	15.271	15.258	-0.013
361	1e+13	NDD Unbiased	14.908	14.881	-0.027
362	1e+13	NDD Unbiased	14.915	14.915	0
363	1e+13	NDD Unbiased	14.792	14.772	-0.02
364	1e+13	NDD Unbiased	14.653	14.66	0.007

NDD vs Post - Pre Exposure Delta

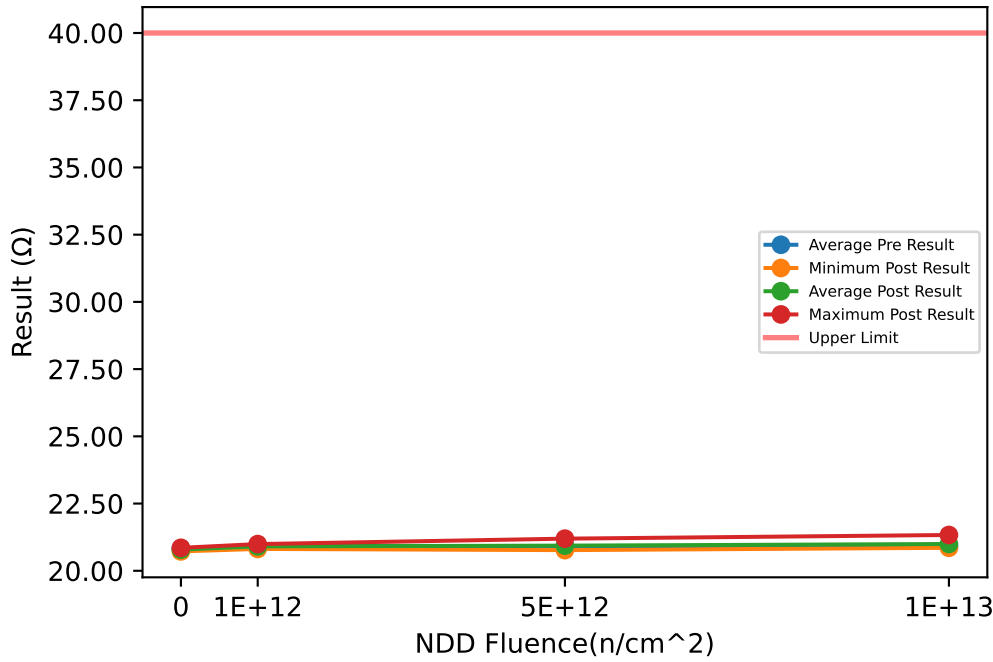


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.749	14.838	14.926	0.12516	14.715	14.777	14.839	0.087681	-0.087	-0.0605	-0.034	0.037477
1e+12	14.619	14.779	14.929	0.12919	14.577	14.747	14.892	0.13002	-0.042	-0.03175	-0.008	0.015966
5e+12	14.678	15.008	15.271	0.26595	14.635	14.978	15.258	0.27877	-0.043	-0.0295	-0.013	0.013304
1e+13	14.653	14.817	14.915	0.12303	14.66	14.807	14.915	0.11543	-0.027	-0.01	0.007	0.016104

Device Test: 18.5 ; WDO_RPMOS_LOW_V

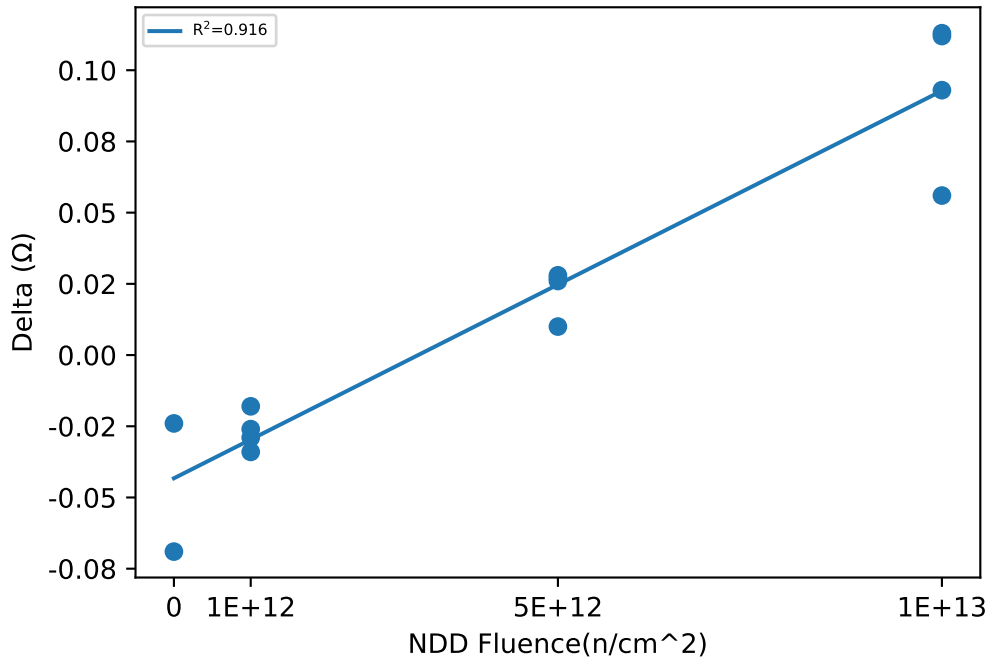
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.923	20.854	-0.069
301	0	Correlation	20.745	20.721	-0.024
353	1e+12	NDD Unbiased	20.847	20.813	-0.034
354	1e+12	NDD Unbiased	20.92	20.894	-0.026
355	1e+12	NDD Unbiased	20.963	20.934	-0.029
356	1e+12	NDD Unbiased	21.011	20.993	-0.018
357	5e+12	NDD Unbiased	20.766	20.776	0.01
358	5e+12	NDD Unbiased	21.168	21.195	0.027
359	5e+12	NDD Unbiased	20.742	20.768	0.026
360	5e+12	NDD Unbiased	20.975	21.003	0.028
361	1e+13	NDD Unbiased	20.804	20.86	0.056
362	1e+13	NDD Unbiased	21.218	21.331	0.113
363	1e+13	NDD Unbiased	20.743	20.855	0.112
364	1e+13	NDD Unbiased	20.845	20.938	0.093

NDD vs Post - Pre Exposure Delta

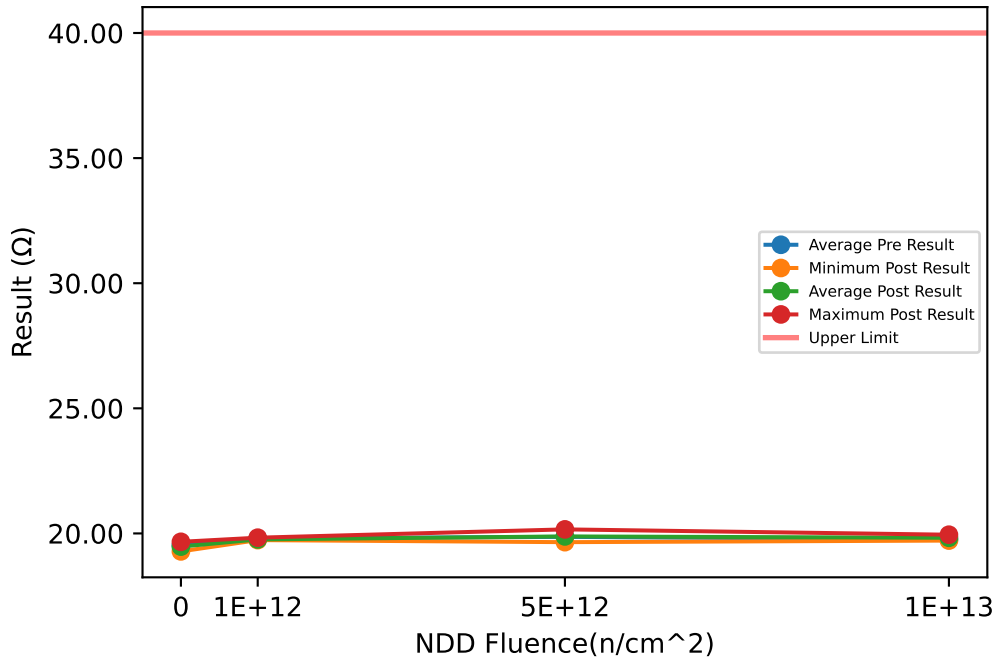


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	20.745	20.834	20.923	0.12587	20.721	20.788	20.854	0.094045	-0.069	-0.0465	-0.024	0.03182
1e+12	20.847	20.935	21.011	0.069591	20.813	20.909	20.993	0.075545	-0.034	-0.02675	-0.018	0.006702
5e+12	20.742	20.913	21.168	0.19977	20.768	20.936	21.195	0.20444	0.01	0.02275	0.028	0.0085391
1e+13	20.743	20.902	21.218	0.21447	20.855	20.996	21.331	0.22654	0.056	0.0935	0.113	0.02664

Device Test: 18.6 ; RESET_RPMOS_LOW_V

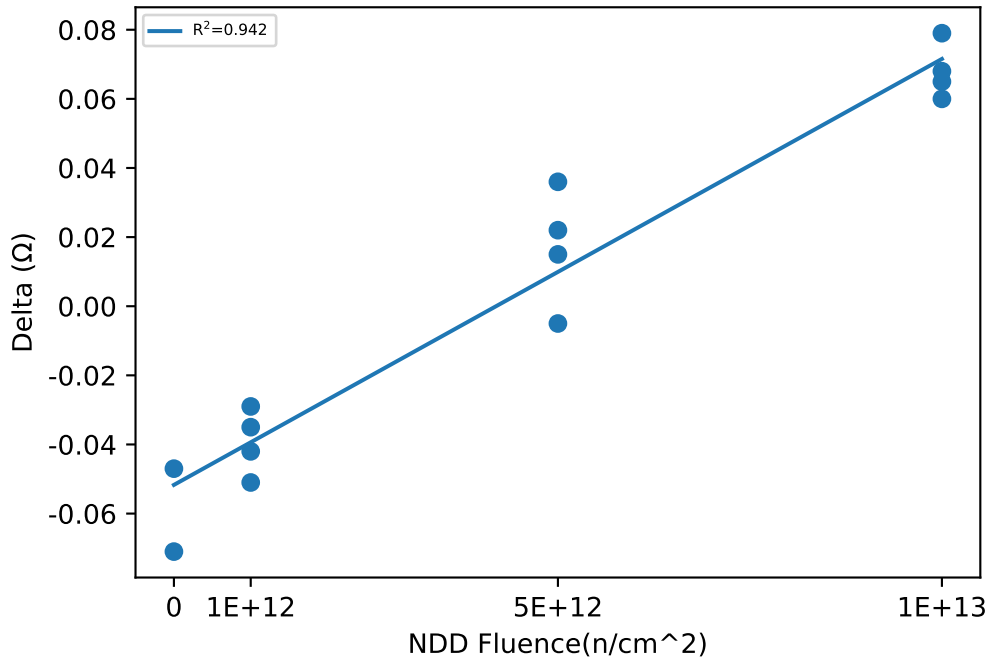
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.736	19.665	-0.071
301	0	Correlation	19.329	19.282	-0.047
353	1e+12	NDD Unbiased	19.799	19.748	-0.051
354	1e+12	NDD Unbiased	19.775	19.733	-0.042
355	1e+12	NDD Unbiased	19.859	19.83	-0.029
356	1e+12	NDD Unbiased	19.769	19.734	-0.035
357	5e+12	NDD Unbiased	19.656	19.651	-0.005
358	5e+12	NDD Unbiased	20.147	20.162	0.015
359	5e+12	NDD Unbiased	19.791	19.827	0.036
360	5e+12	NDD Unbiased	19.86	19.882	0.022
361	1e+13	NDD Unbiased	19.779	19.847	0.068
362	1e+13	NDD Unbiased	19.884	19.949	0.065
363	1e+13	NDD Unbiased	19.635	19.714	0.079
364	1e+13	NDD Unbiased	19.736	19.796	0.06

NDD vs Post - Pre Exposure Delta

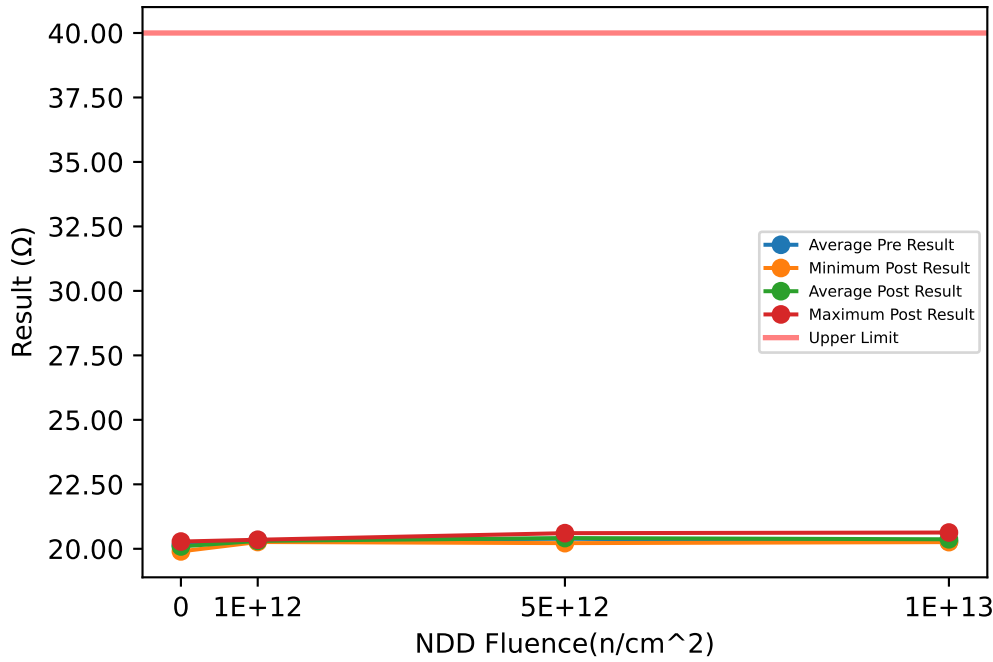


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.329	19.532	19.736	0.28779	19.282	19.474	19.665	0.27082	-0.071	-0.059	-0.047	0.016971
1e+12	19.769	19.8	19.859	0.041097	19.733	19.761	19.83	0.046342	-0.051	-0.03925	-0.029	0.0094648
5e+12	19.656	19.863	20.147	0.20712	19.651	19.881	20.162	0.21196	-0.005	0.017	0.036	0.017068
1e+13	19.635	19.759	19.884	0.10316	19.714	19.826	19.949	0.098341	0.06	0.068	0.079	0.0080416

Device Test: 18.7 ; RESET_RPMOS_LOW_V

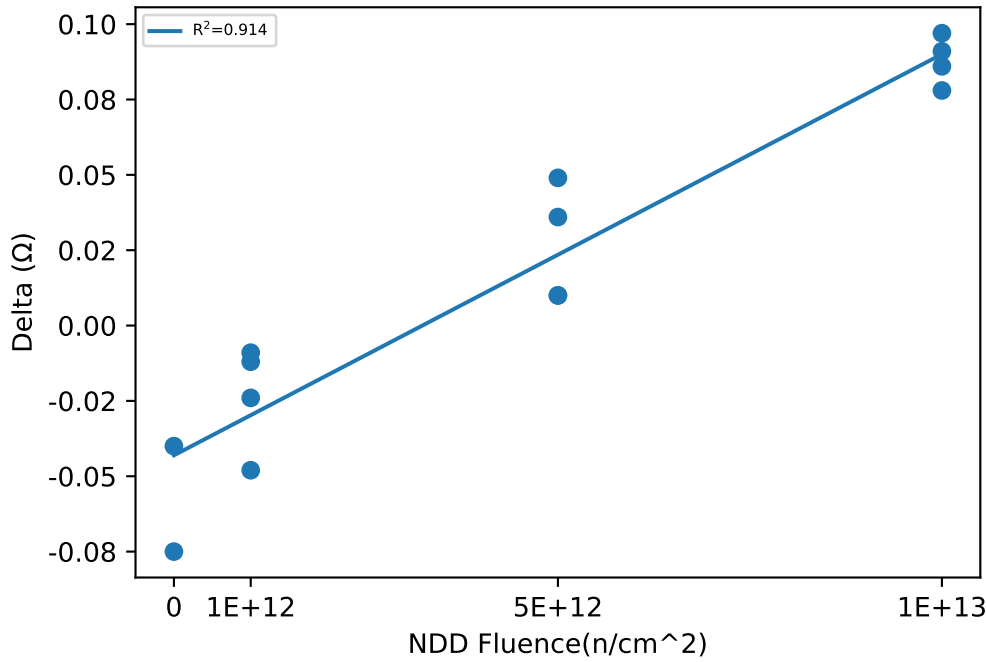
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	20.356	20.281	-0.075
301	0	Correlation	19.939	19.899	-0.04
353	1e+12	NDD Unbiased	20.381	20.333	-0.048
354	1e+12	NDD Unbiased	20.304	20.28	-0.024
355	1e+12	NDD Unbiased	20.275	20.263	-0.012
356	1e+12	NDD Unbiased	20.36	20.351	-0.009
357	5e+12	NDD Unbiased	20.209	20.219	0.01
358	5e+12	NDD Unbiased	20.596	20.606	0.01
359	5e+12	NDD Unbiased	20.297	20.346	0.049
360	5e+12	NDD Unbiased	20.459	20.495	0.036
361	1e+13	NDD Unbiased	20.242	20.32	0.078
362	1e+13	NDD Unbiased	20.545	20.631	0.086
363	1e+13	NDD Unbiased	20.167	20.264	0.097
364	1e+13	NDD Unbiased	20.168	20.259	0.091

NDD vs Post - Pre Exposure Delta

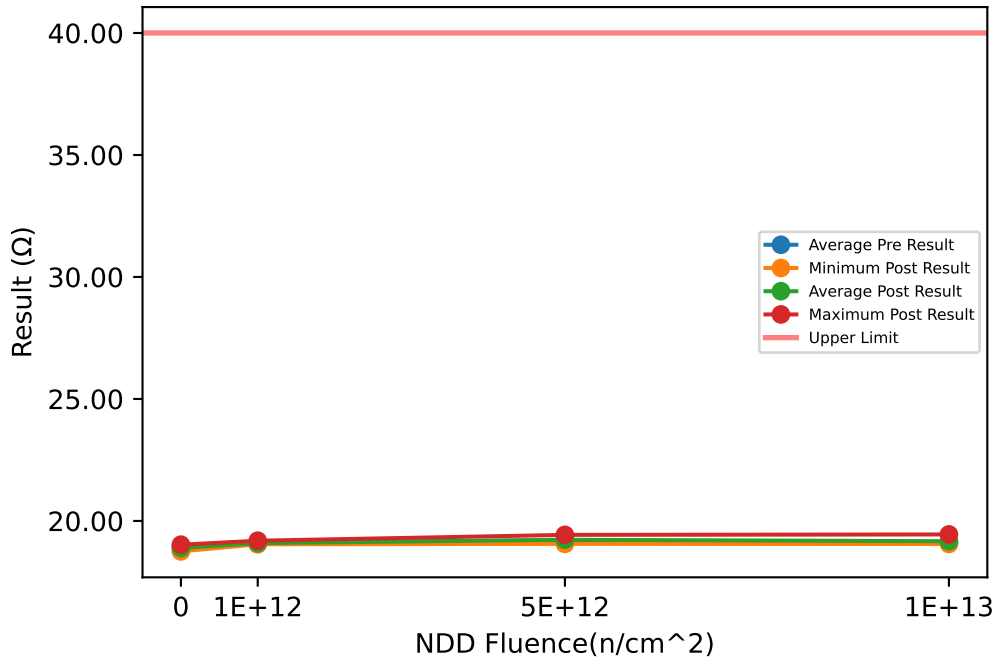


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	19.939	20.148	20.356	0.29486	19.899	20.09	20.281	0.27011	-0.075	-0.0575	-0.04	0.024749
1e+12	20.275	20.33	20.381	0.048997	20.263	20.307	20.351	0.041939	-0.048	-0.02325	-0.009	0.017727
5e+12	20.209	20.39	20.596	0.17186	20.219	20.416	20.606	0.16936	0.01	0.02625	0.049	0.0195
1e+13	20.167	20.28	20.545	0.1798	20.259	20.369	20.631	0.17717	0.078	0.088	0.097	0.0080416

Device Test: 18.8 ; RESET_RPMOS_LOW_V

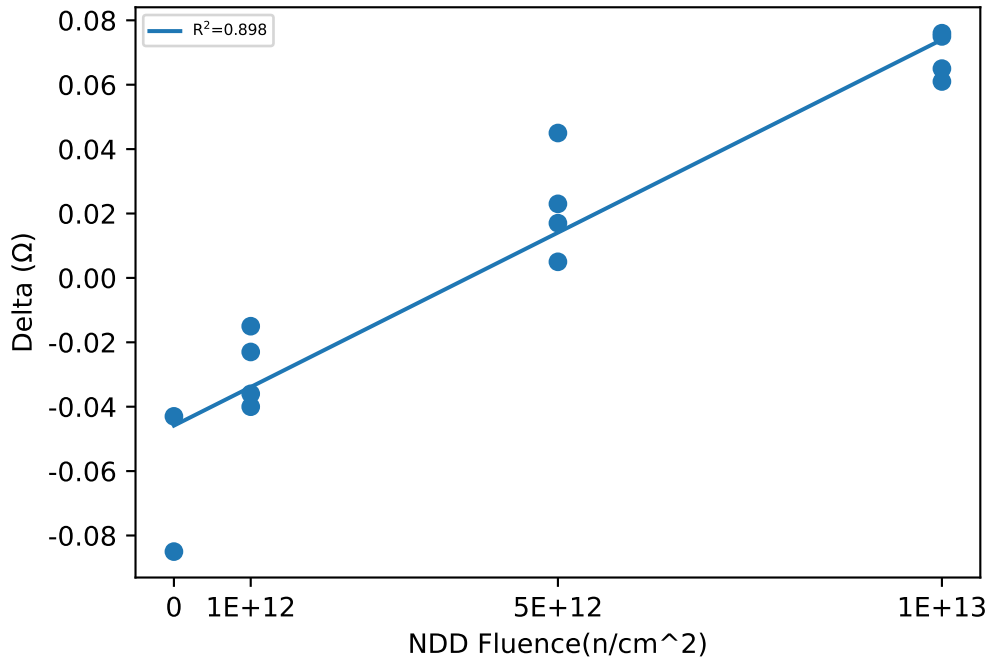
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	19.112	19.027	-0.085
301	0	Correlation	18.795	18.752	-0.043
353	1e+12	NDD Unbiased	19.101	19.061	-0.04
354	1e+12	NDD Unbiased	19.104	19.068	-0.036
355	1e+12	NDD Unbiased	19.058	19.043	-0.015
356	1e+12	NDD Unbiased	19.213	19.19	-0.023
357	5e+12	NDD Unbiased	19.055	19.06	0.005
358	5e+12	NDD Unbiased	19.412	19.429	0.017
359	5e+12	NDD Unbiased	19.143	19.188	0.045
360	5e+12	NDD Unbiased	19.218	19.241	0.023
361	1e+13	NDD Unbiased	18.991	19.056	0.065
362	1e+13	NDD Unbiased	19.386	19.447	0.061
363	1e+13	NDD Unbiased	18.991	19.067	0.076
364	1e+13	NDD Unbiased	19.032	19.107	0.075

NDD vs Post - Pre Exposure Delta

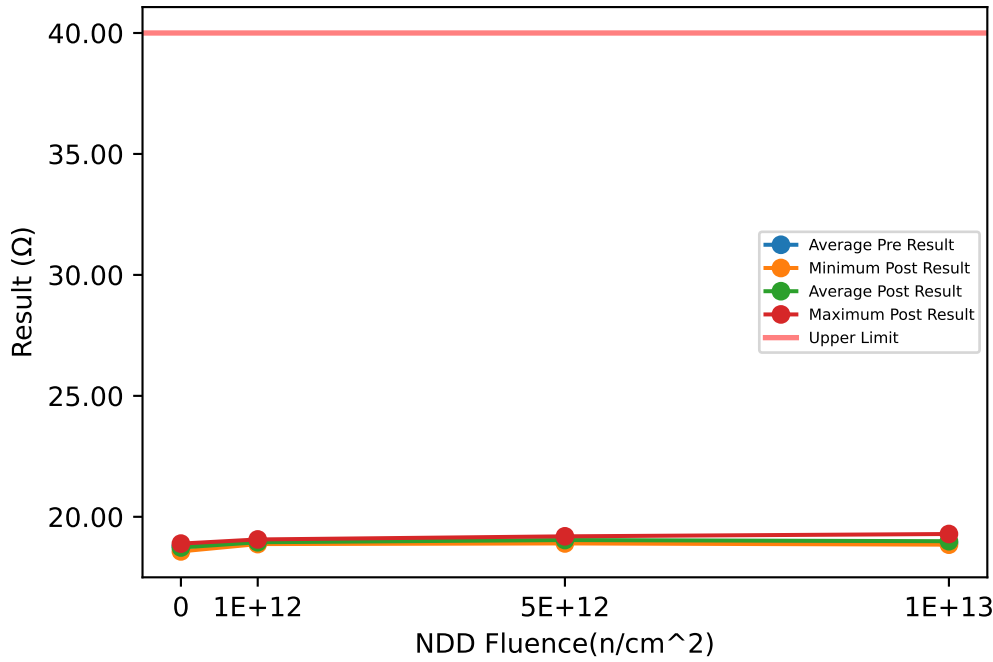


Test Statistics (Ω)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.795	18.953	19.112	0.22415	18.752	18.889	19.027	0.19445	-0.085	-0.064	-0.043	0.029698
1e+12	19.058	19.119	19.213	0.066096	19.043	19.09	19.19	0.067164	-0.04	-0.0285	-0.015	0.011561
5e+12	19.055	19.207	19.412	0.15204	19.06	19.229	19.429	0.15317	0.005	0.0225	0.045	0.016763
1e+13	18.991	19.1	19.386	0.19164	19.056	19.169	19.447	0.18646	0.061	0.06925	0.076	0.0074106

Device Test: 18.9 ; RESET_RPMOS_LOW_V

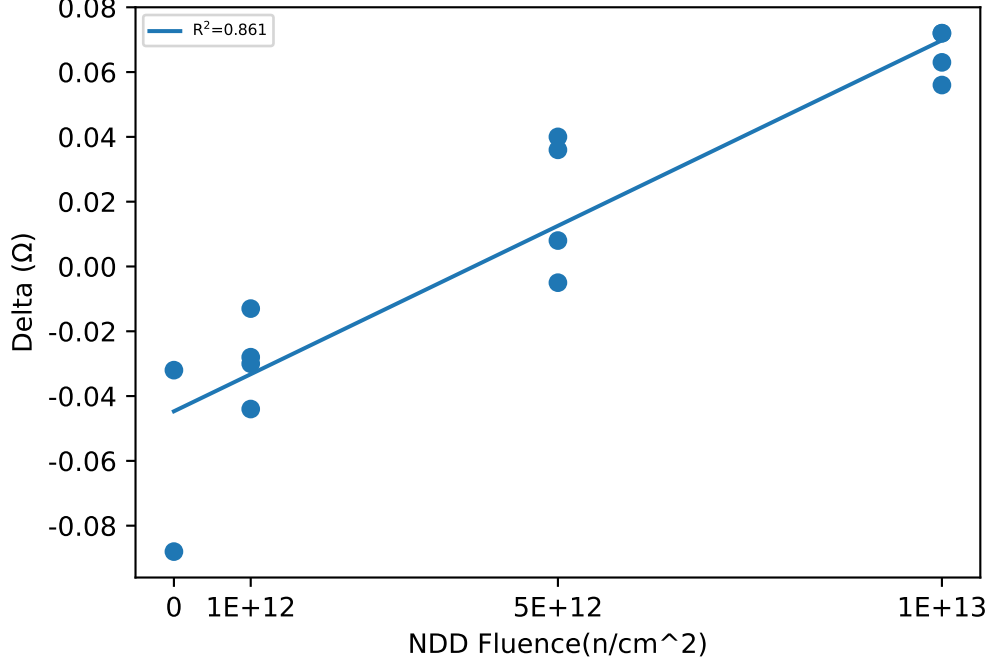
NDD vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	18.98	18.892	-0.088
301	0	Correlation	18.602	18.57	-0.032
353	1e+12	NDD Unbiased	18.934	18.89	-0.044
354	1e+12	NDD Unbiased	18.994	18.966	-0.028
355	1e+12	NDD Unbiased	18.902	18.872	-0.03
356	1e+12	NDD Unbiased	19.077	19.064	-0.013
357	5e+12	NDD Unbiased	18.904	18.899	-0.005
358	5e+12	NDD Unbiased	19.185	19.193	0.008
359	5e+12	NDD Unbiased	18.965	19.001	0.036
360	5e+12	NDD Unbiased	19.026	19.066	0.04
361	1e+13	NDD Unbiased	18.815	18.871	0.056
362	1e+13	NDD Unbiased	19.226	19.289	0.063
363	1e+13	NDD Unbiased	18.776	18.848	0.072
364	1e+13	NDD Unbiased	18.885	18.957	0.072

NDD vs Post - Pre Exposure Delta

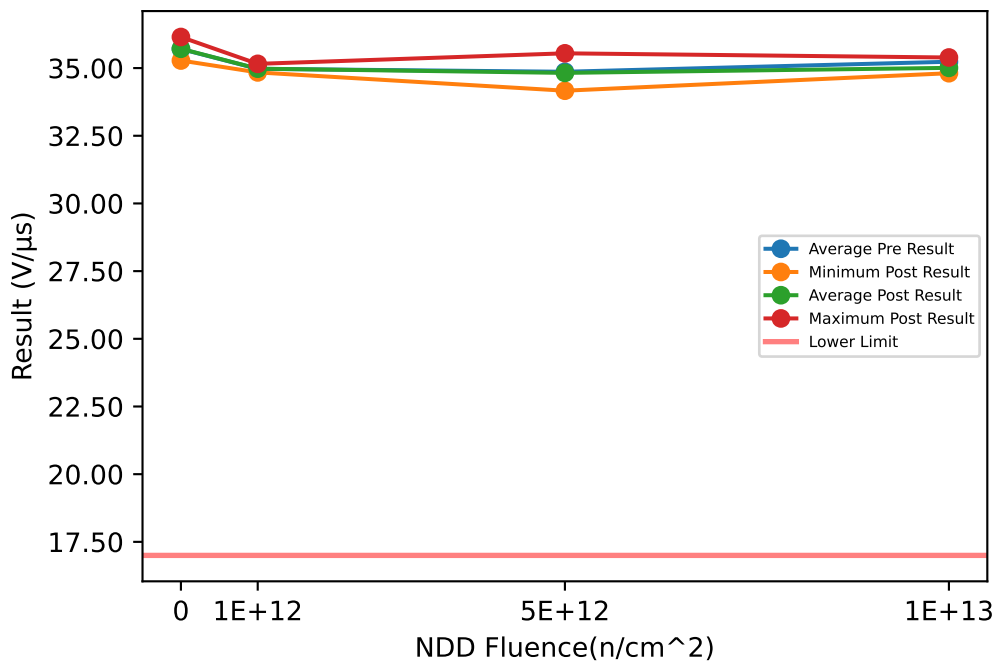


Test Statistics (Ω)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.602	18.791	18.98	0.26729	18.57	18.731	18.892	0.22769	-0.088	-0.06	-0.032	0.039598
1e+12	18.902	18.977	19.077	0.076947	18.872	18.948	19.064	0.087407	-0.044	-0.02875	-0.013	0.012685
5e+12	18.904	19.02	19.185	0.12075	18.899	19.04	19.193	0.12314	-0.005	0.01975	0.04	0.021793
1e+13	18.776	18.925	19.226	0.20535	18.848	18.991	19.289	0.20397	0.056	0.06575	0.072	0.0077621

Device Test: 19.0 ; RESET_SLEW_RATE_RISE

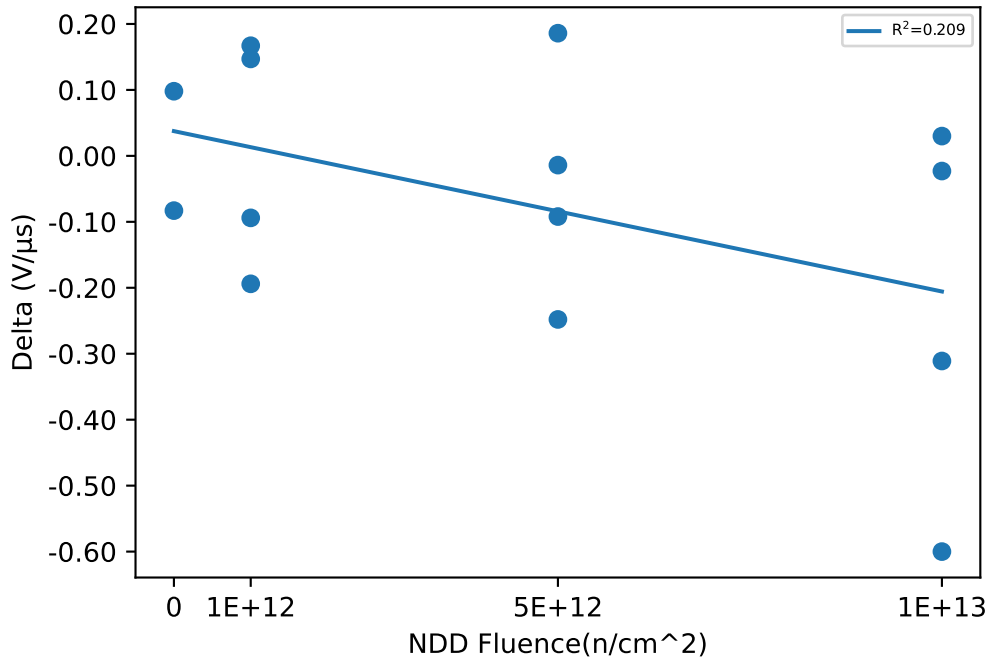
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	35.181	35.279	0.098
301	0	Correlation	36.231	36.148	-0.083
353	1e+12	NDD Unbiased	34.934	34.84	-0.094
354	1e+12	NDD Unbiased	34.989	35.156	0.167
355	1e+12	NDD Unbiased	34.915	35.062	0.147
356	1e+12	NDD Unbiased	35.05	34.856	-0.194
357	5e+12	NDD Unbiased	35.359	35.545	0.186
358	5e+12	NDD Unbiased	34.412	34.164	-0.248
359	5e+12	NDD Unbiased	34.917	34.903	-0.014
360	5e+12	NDD Unbiased	34.769	34.677	-0.092
361	1e+13	NDD Unbiased	35.255	34.944	-0.311
362	1e+13	NDD Unbiased	34.78	34.81	0.03
363	1e+13	NDD Unbiased	35.414	35.391	-0.023
364	1e+13	NDD Unbiased	35.487	34.887	-0.6

NDD vs Post - Pre Exposure Delta

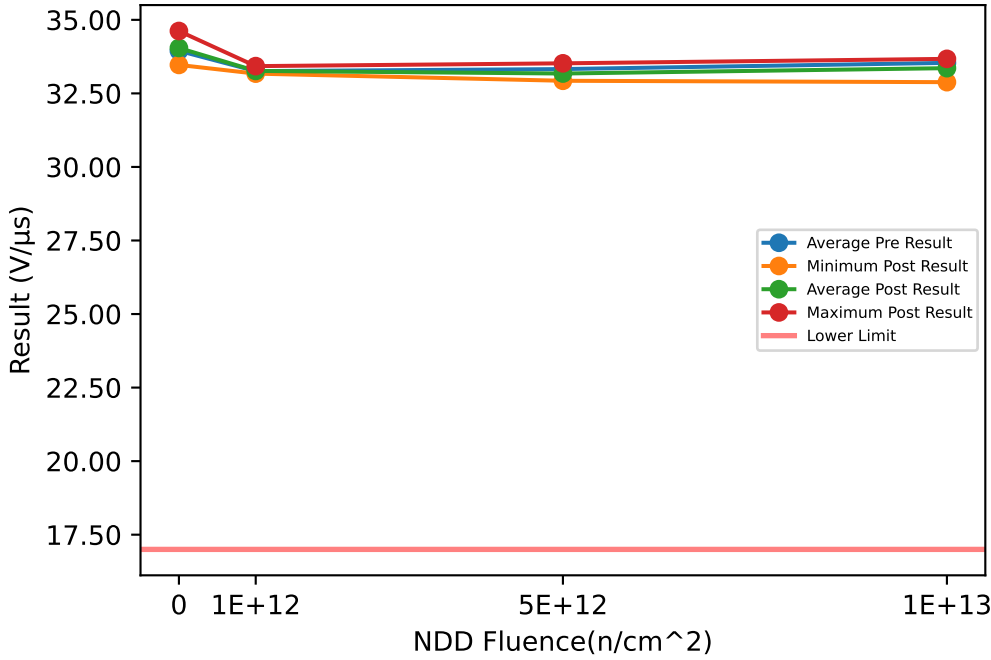


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	35.181	35.706	36.231	0.74246	35.279	35.714	36.148	0.61448	-0.083	0.0075	0.098	0.12799
1e+12	34.915	34.972	35.05	0.060734	34.84	34.978	35.156	0.15564	-0.194	0.0065	0.167	0.1787
5e+12	34.412	34.864	35.359	0.39207	34.164	34.822	35.545	0.5725	-0.248	-0.042	0.186	0.18047
1e+13	34.78	35.234	35.487	0.31779	34.81	35.008	35.391	0.26117	-0.6	-0.226	0.03	0.29089

Device Test: 19.1 ; RESET_SLEW_RATE_RISE

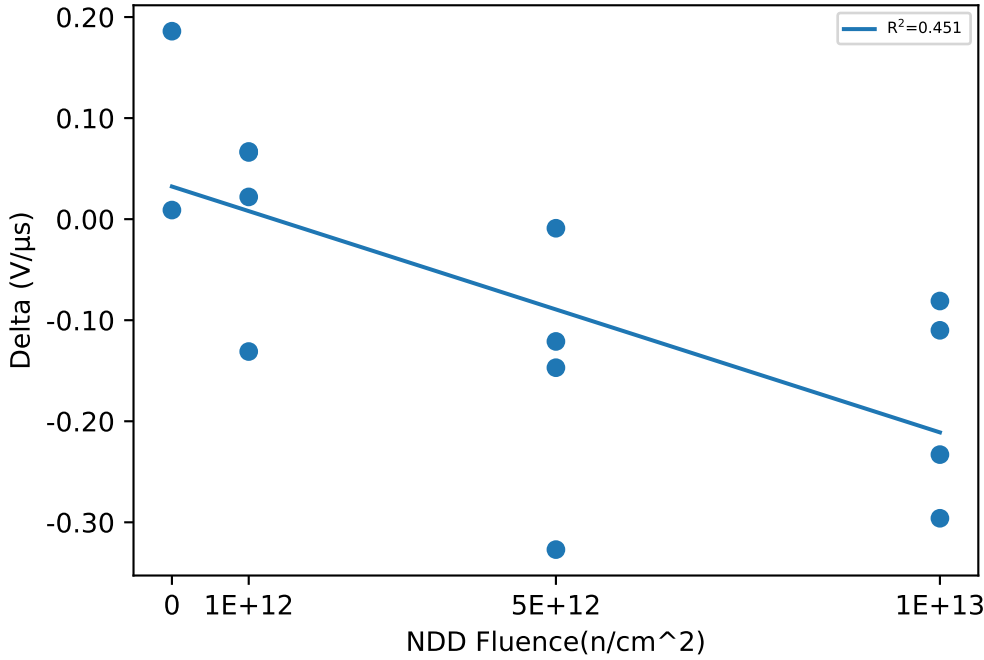
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	33.459	33.468	0.009
301	0	Correlation	34.435	34.621	0.186
353	1e+12	NDD Unbiased	33.215	33.282	0.067
354	1e+12	NDD Unbiased	33.15	33.172	0.022
355	1e+12	NDD Unbiased	33.558	33.427	-0.131
356	1e+12	NDD Unbiased	33.108	33.174	0.066
357	5e+12	NDD Unbiased	33.849	33.522	-0.327
358	5e+12	NDD Unbiased	33.076	32.929	-0.147
359	5e+12	NDD Unbiased	33.423	33.302	-0.121
360	5e+12	NDD Unbiased	32.958	32.949	-0.009
361	1e+13	NDD Unbiased	33.65	33.354	-0.296
362	1e+13	NDD Unbiased	32.963	32.882	-0.081
363	1e+13	NDD Unbiased	33.754	33.521	-0.233
364	1e+13	NDD Unbiased	33.784	33.674	-0.11

NDD vs Post - Pre Exposure Delta

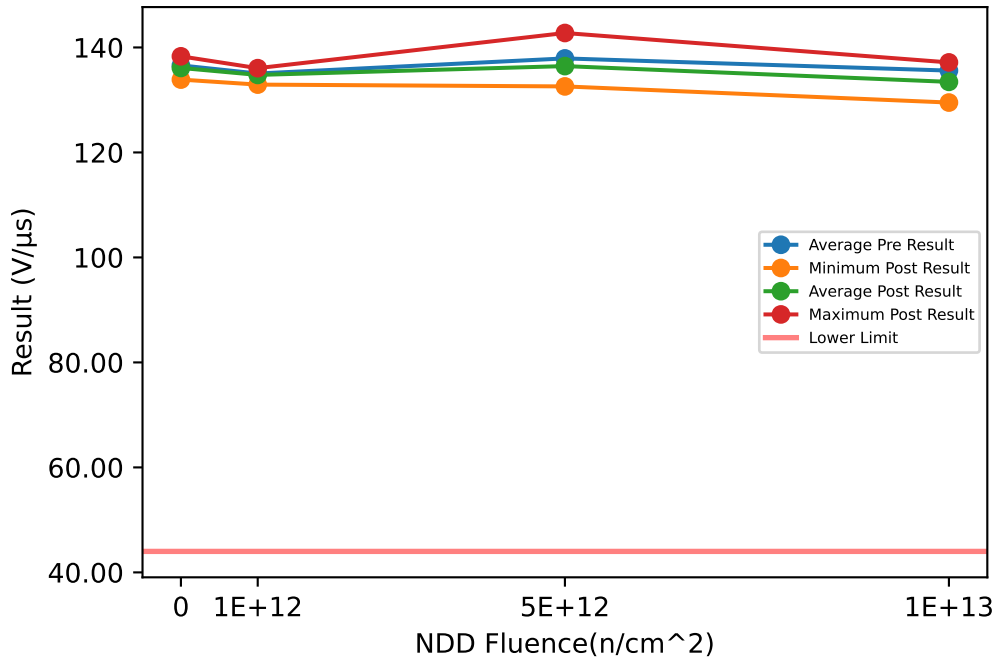


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.459	33.947	34.435	0.69014	33.468	34.044	34.621	0.81529	0.009	0.0975	0.186	0.12516
1e+12	33.108	33.258	33.558	0.20495	33.172	33.264	33.427	0.12036	-0.131	0.006	0.067	0.093712
5e+12	32.958	33.326	33.849	0.40036	32.929	33.175	33.522	0.28759	-0.327	-0.151	-0.009	0.13173
1e+13	32.963	33.538	33.784	0.38744	32.882	33.358	33.674	0.34303	-0.296	-0.18	-0.081	0.1016

Device Test: 19.10 ; PWRGD_SLEW_RATE_FALL

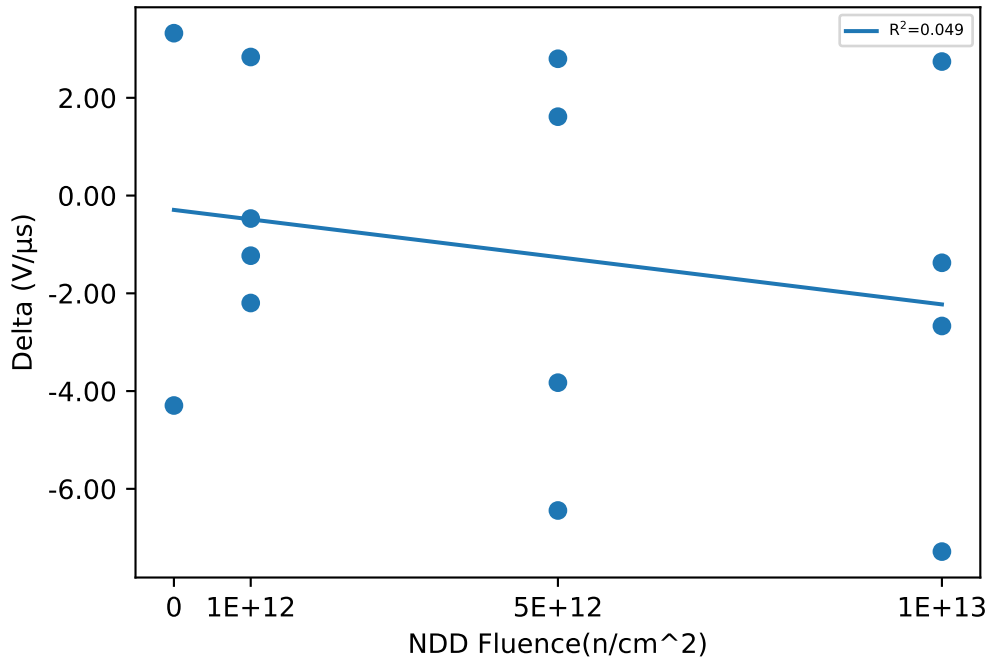
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	134.99	138.31	3.322
301	0	Correlation	138.17	133.88	-4.295
353	1e+12	NDD Unbiased	138.25	136.05	-2.198
354	1e+12	NDD Unbiased	133.17	136	2.835
355	1e+12	NDD Unbiased	135.32	134.09	-1.23
356	1e+12	NDD Unbiased	133.39	132.92	-0.47
357	5e+12	NDD Unbiased	139.96	142.75	2.799
358	5e+12	NDD Unbiased	140.06	133.62	-6.443
359	5e+12	NDD Unbiased	136.41	132.58	-3.828
360	5e+12	NDD Unbiased	135.23	136.84	1.614
361	1e+13	NDD Unbiased	133.4	136.14	2.742
362	1e+13	NDD Unbiased	132.17	129.5	-2.668
363	1e+13	NDD Unbiased	138.28	131	-7.284
364	1e+13	NDD Unbiased	138.53	137.15	-1.375

NDD vs Post - Pre Exposure Delta

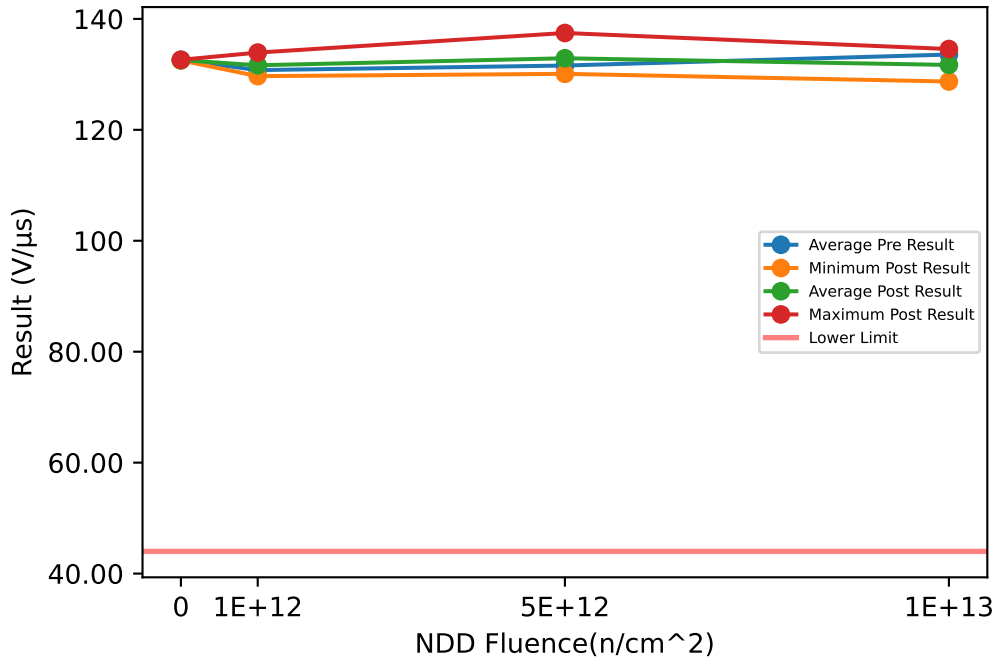


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	134.99	136.58	138.17	2.2507	133.88	136.09	138.31	3.1353	-4.295	-0.4865	3.322	5.386
1e+12	133.17	135.03	138.25	2.3525	132.92	134.77	136.05	1.5333	-2.198	-0.26575	2.835	2.1848
5e+12	135.23	137.91	140.06	2.4687	132.58	136.45	142.75	4.578	-6.443	-1.4645	2.799	4.398
1e+13	132.17	135.59	138.53	3.2838	129.5	133.45	137.15	3.7645	-7.284	-2.1463	2.742	4.1295

Device Test: 19.11 ; WDO_SLEW_RATE_FALL

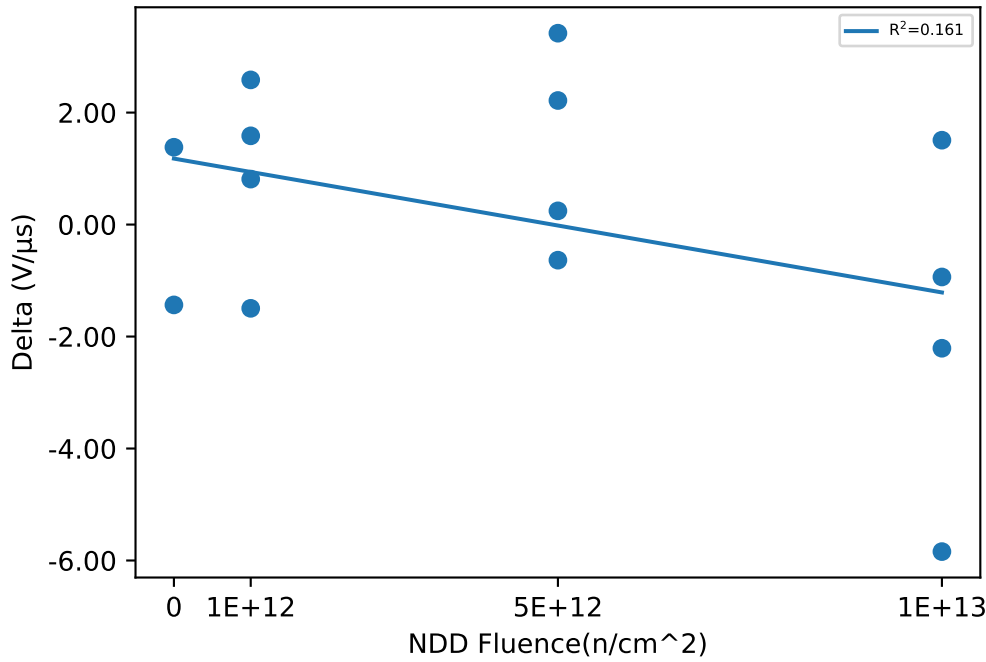
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	131.25	132.63	1.381
301	0	Correlation	133.94	132.51	-1.435
353	1e+12	NDD Unbiased	132.34	133.92	1.585
354	1e+12	NDD Unbiased	131.72	132.53	0.812
355	1e+12	NDD Unbiased	127.09	129.68	2.584
356	1e+12	NDD Unbiased	131.91	130.41	-1.496
357	5e+12	NDD Unbiased	134.04	137.46	3.418
358	5e+12	NDD Unbiased	131.22	131.47	0.245
359	5e+12	NDD Unbiased	130.73	130.09	-0.636
360	5e+12	NDD Unbiased	130.37	132.58	2.216
361	1e+13	NDD Unbiased	134.4	132.19	-2.209
362	1e+13	NDD Unbiased	134.55	128.71	-5.841
363	1e+13	NDD Unbiased	129.83	131.34	1.507
364	1e+13	NDD Unbiased	135.5	134.57	-0.936

NDD vs Post - Pre Exposure Delta

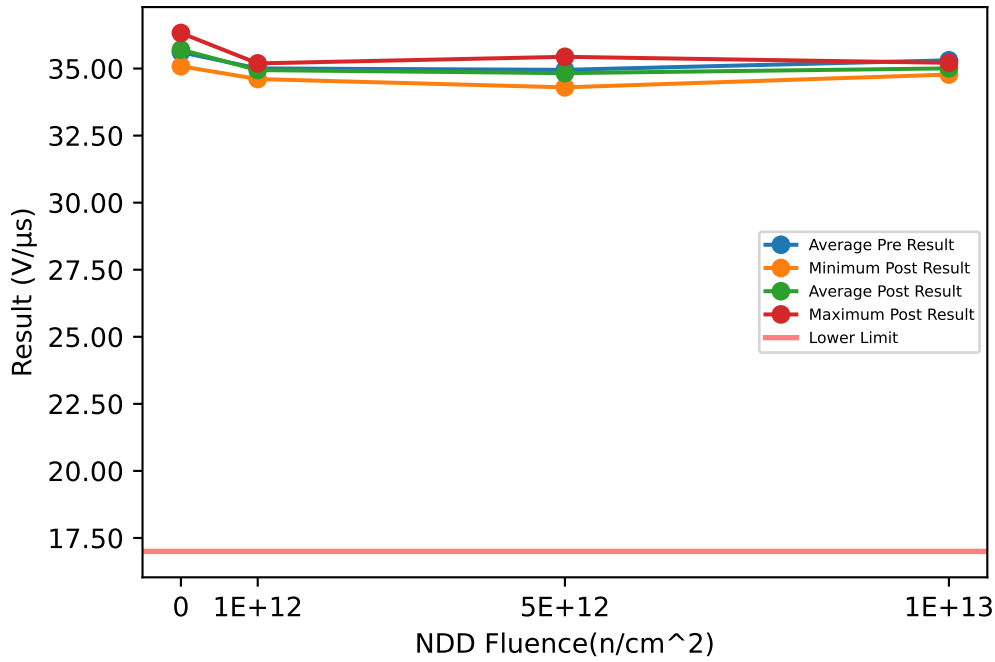


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.25	132.6	133.94	1.9064	132.51	132.57	132.63	0.084853	-1.435	-0.027	1.381	1.9912
1e+12	127.09	130.77	132.34	2.4621	129.68	131.64	133.92	1.9476	-1.496	0.87125	2.584	1.7369
5e+12	130.37	131.59	134.04	1.6698	130.09	132.9	137.46	3.2035	-0.636	1.3107	3.418	1.8426
1e+13	129.83	133.57	135.5	2.5407	128.71	131.7	134.57	2.4166	-5.841	-1.8697	1.507	3.0638

Device Test: 19.12 ; RESET_SLEW_RATE_RISE

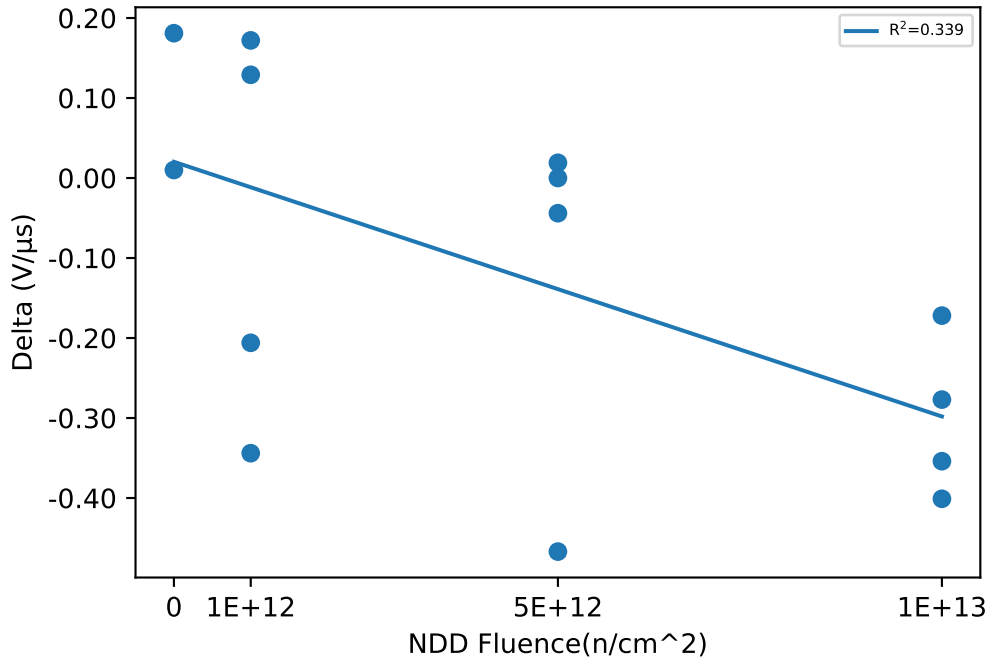
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	35.075	35.085	0.01
301	0	Correlation	36.144	36.325	0.181
353	1e+12	NDD Unbiased	35.063	35.192	0.129
354	1e+12	NDD Unbiased	35.18	34.974	-0.206
355	1e+12	NDD Unbiased	34.952	34.608	-0.344
356	1e+12	NDD Unbiased	34.823	34.995	0.172
357	5e+12	NDD Unbiased	35.437	35.437	0
358	5e+12	NDD Unbiased	34.342	34.298	-0.044
359	5e+12	NDD Unbiased	34.837	34.856	0.019
360	5e+12	NDD Unbiased	35.191	34.724	-0.467
361	1e+13	NDD Unbiased	35.131	34.777	-0.354
362	1e+13	NDD Unbiased	35.237	35.065	-0.172
363	1e+13	NDD Unbiased	35.49	35.213	-0.277
364	1e+13	NDD Unbiased	35.371	34.97	-0.401

NDD vs Post - Pre Exposure Delta

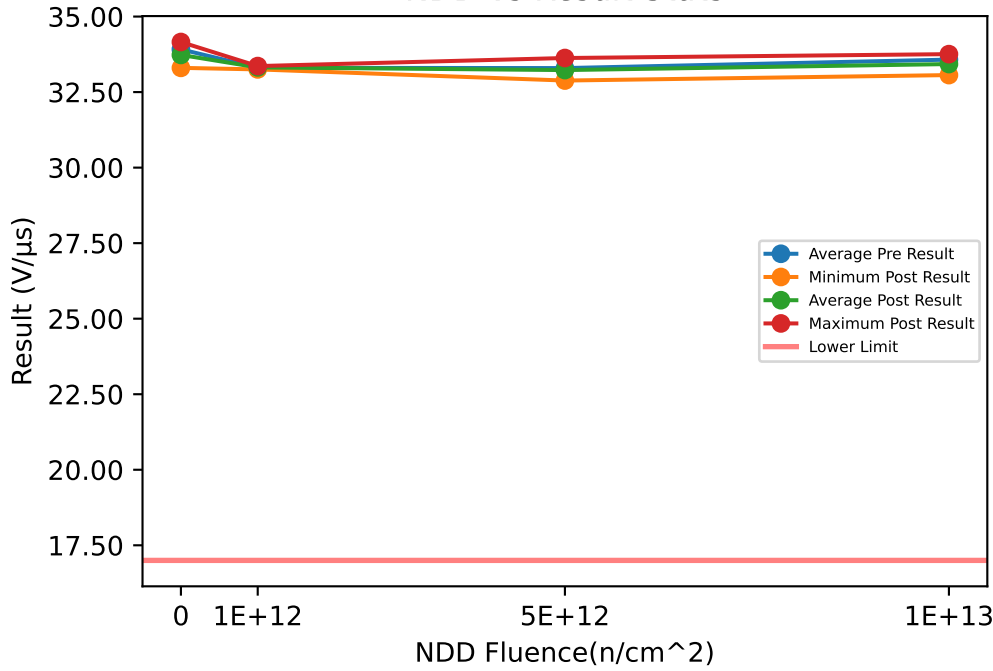


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	35.075	35.609	36.144	0.7559	35.085	35.705	36.325	0.87681	0.01	0.0955	0.181	0.12092
1e+12	34.823	35.005	35.18	0.15267	34.608	34.942	35.192	0.24351	-0.344	-0.06225	0.172	0.25265
5e+12	34.342	34.952	35.437	0.47528	34.298	34.829	35.437	0.47024	-0.467	-0.123	0.019	0.23085
1e+13	35.131	35.307	35.49	0.15648	34.777	35.006	35.213	0.18264	-0.401	-0.301	-0.172	0.10004

Device Test: 19.13 ; RESET_SLEW_RATE_RISE

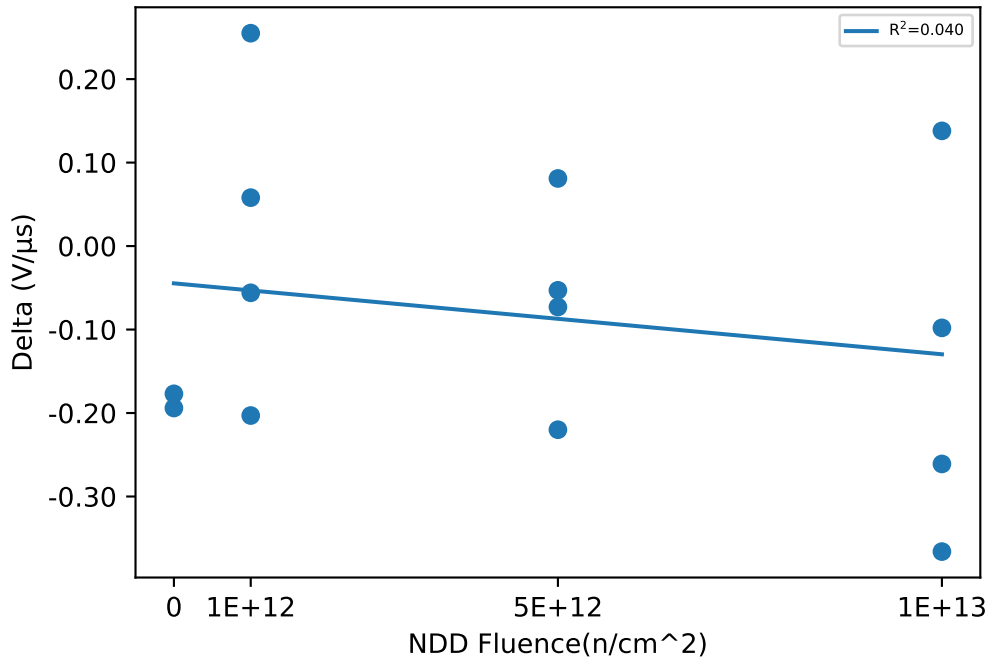
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	33.479	33.302	-0.177
301	0	Correlation	34.352	34.158	-0.194
353	1e+12	NDD Unbiased	33.395	33.339	-0.056
354	1e+12	NDD Unbiased	32.996	33.251	0.255
355	1e+12	NDD Unbiased	33.564	33.361	-0.203
356	1e+12	NDD Unbiased	33.261	33.319	0.058
357	5e+12	NDD Unbiased	33.848	33.628	-0.22
358	5e+12	NDD Unbiased	32.801	32.882	0.081
359	5e+12	NDD Unbiased	33.423	33.37	-0.053
360	5e+12	NDD Unbiased	33.107	33.034	-0.073
361	1e+13	NDD Unbiased	33.745	33.379	-0.366
362	1e+13	NDD Unbiased	32.925	33.063	0.138
363	1e+13	NDD Unbiased	33.774	33.513	-0.261
364	1e+13	NDD Unbiased	33.854	33.756	-0.098

NDD vs Post - Pre Exposure Delta

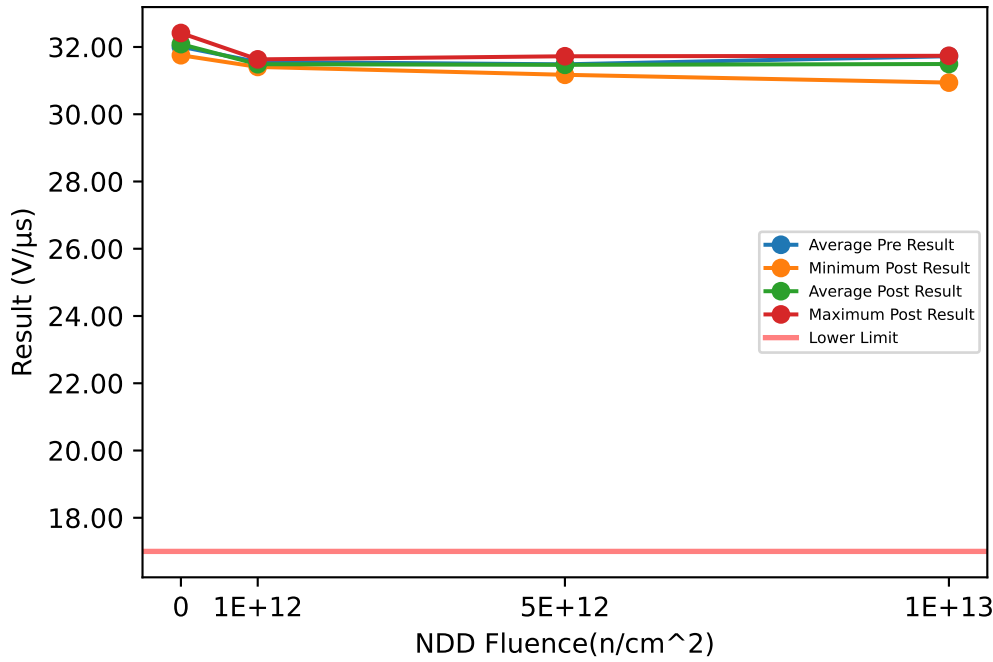


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.479	33.915	34.352	0.6173	33.302	33.73	34.158	0.60528	-0.194	-0.1855	-0.177	0.012021
1e+12	32.996	33.304	33.564	0.23986	33.251	33.317	33.361	0.047536	-0.203	0.0135	0.255	0.19322
5e+12	32.801	33.295	33.848	0.4478	32.882	33.228	33.628	0.33542	-0.22	-0.06625	0.081	0.12321
1e+13	32.925	33.575	33.854	0.43545	33.063	33.428	33.756	0.28893	-0.366	-0.14675	0.138	0.21953

Device Test: 19.14 ; RESET_SLEW_RATE_RISE

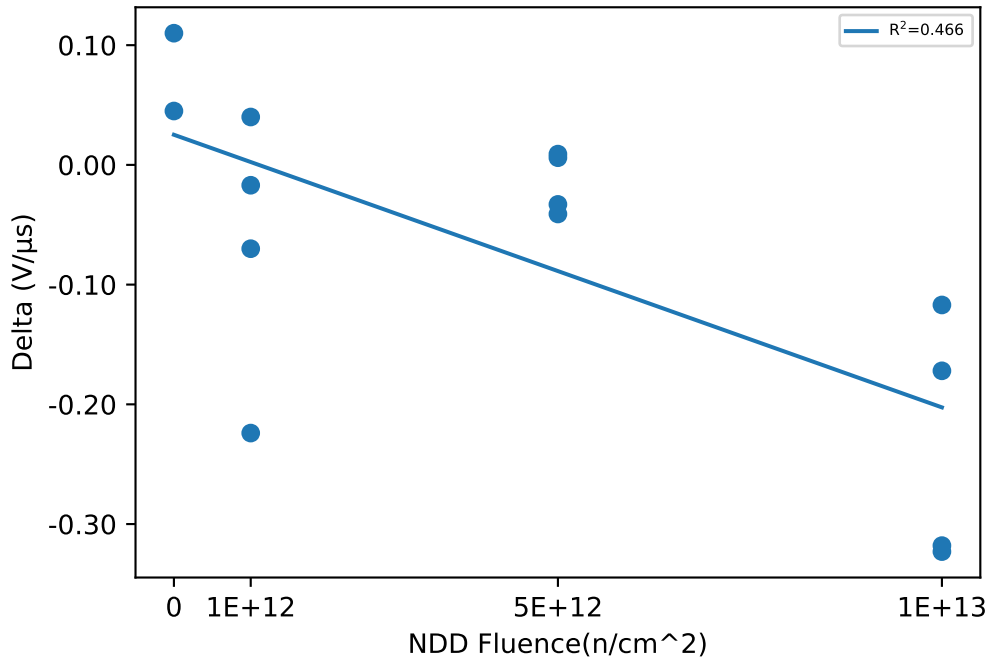
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	31.645	31.755	0.11
301	0	Correlation	32.371	32.416	0.045
353	1e+12	NDD Unbiased	31.511	31.441	-0.07
354	1e+12	NDD Unbiased	31.631	31.407	-0.224
355	1e+12	NDD Unbiased	31.649	31.632	-0.017
356	1e+12	NDD Unbiased	31.43	31.47	0.04
357	5e+12	NDD Unbiased	31.718	31.724	0.006
358	5e+12	NDD Unbiased	31.206	31.173	-0.033
359	5e+12	NDD Unbiased	31.653	31.612	-0.041
360	5e+12	NDD Unbiased	31.36	31.369	0.009
361	1e+13	NDD Unbiased	31.86	31.688	-0.172
362	1e+13	NDD Unbiased	31.264	30.941	-0.323
363	1e+13	NDD Unbiased	31.925	31.607	-0.318
364	1e+13	NDD Unbiased	31.855	31.738	-0.117

NDD vs Post - Pre Exposure Delta

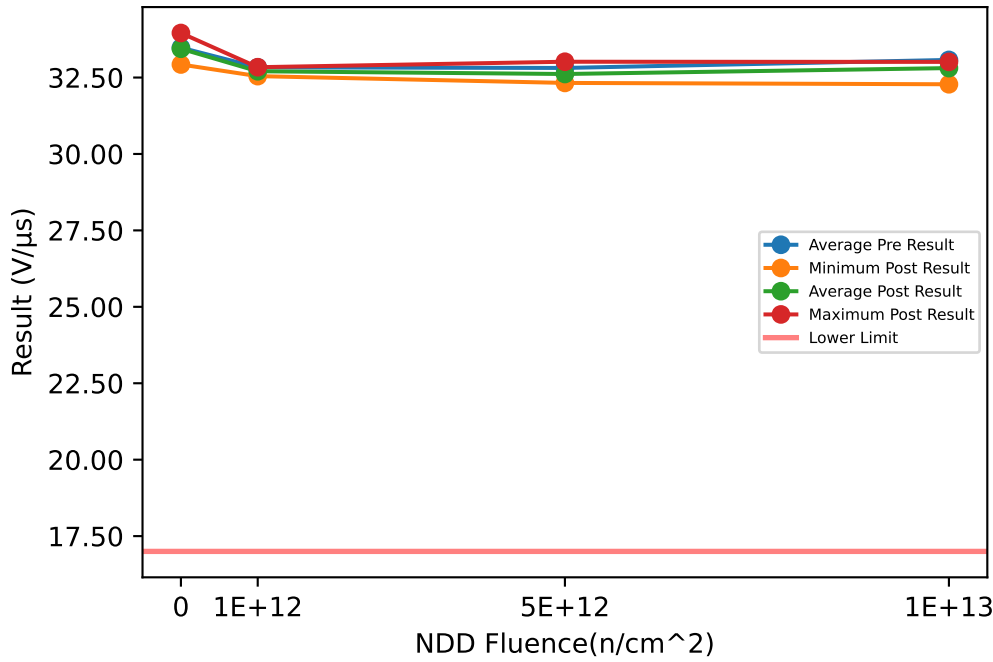


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.645	32.008	32.371	0.51336	31.755	32.085	32.416	0.4674	0.045	0.0775	0.11	0.045962
1e+12	31.43	31.555	31.649	0.10356	31.407	31.488	31.632	0.099715	-0.224	-0.06775	0.04	0.11344
5e+12	31.206	31.484	31.718	0.2422	31.173	31.47	31.724	0.24704	-0.041	-0.01475	0.009	0.025928
1e+13	31.264	31.726	31.925	0.30965	30.941	31.493	31.738	0.37227	-0.323	-0.2325	-0.117	0.10408

Device Test: 19.15 ; RESET_SLEW_RATE_RISE

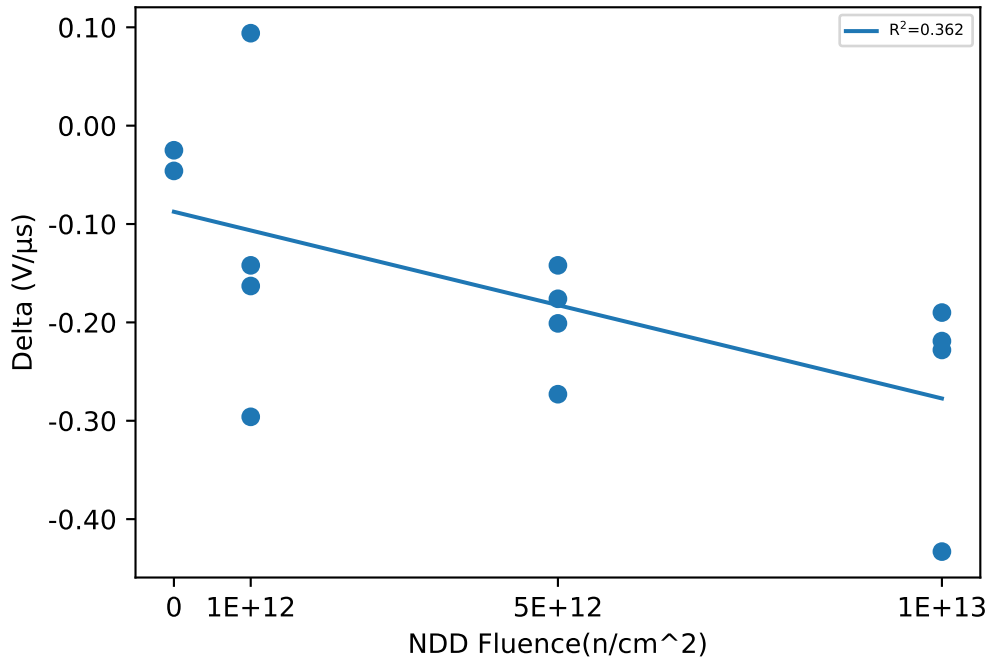
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	32.952	32.927	-0.025
301	0	Correlation	34.003	33.957	-0.046
353	1e+12	NDD Unbiased	32.96	32.797	-0.163
354	1e+12	NDD Unbiased	32.688	32.546	-0.142
355	1e+12	NDD Unbiased	33.134	32.838	-0.296
356	1e+12	NDD Unbiased	32.547	32.641	0.094
357	5e+12	NDD Unbiased	33.193	33.017	-0.176
358	5e+12	NDD Unbiased	32.466	32.324	-0.142
359	5e+12	NDD Unbiased	32.874	32.673	-0.201
360	5e+12	NDD Unbiased	32.722	32.449	-0.273
361	1e+13	NDD Unbiased	33.24	33.012	-0.228
362	1e+13	NDD Unbiased	32.47	32.28	-0.19
363	1e+13	NDD Unbiased	33.373	32.94	-0.433
364	1e+13	NDD Unbiased	33.222	33.003	-0.219

NDD vs Post - Pre Exposure Delta

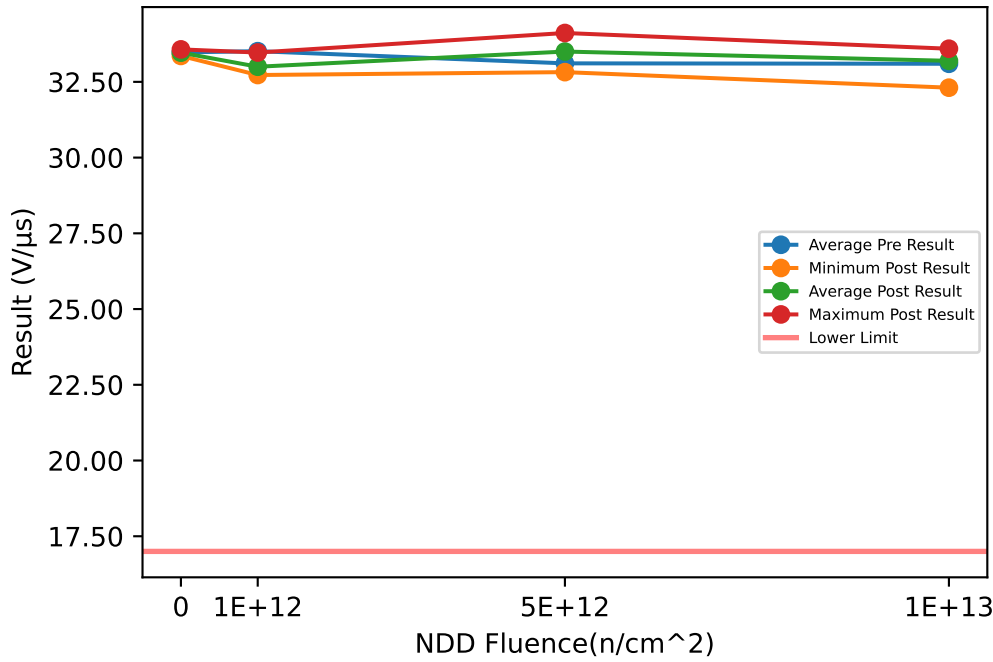


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.952	33.477	34.003	0.74317	32.927	33.442	33.957	0.72832	-0.046	-0.0355	-0.025	0.014849
1e+12	32.547	32.832	33.134	0.26429	32.546	32.706	32.838	0.13605	-0.296	-0.12675	0.094	0.1622
5e+12	32.466	32.814	33.193	0.30376	32.324	32.616	33.017	0.30398	-0.273	-0.198	-0.142	0.05554
1e+13	32.47	33.076	33.373	0.40974	32.28	32.809	33.012	0.35395	-0.433	-0.2675	-0.19	0.11152

Device Test: 19.16 ; PWRGD_SLEW_RATE_RISE

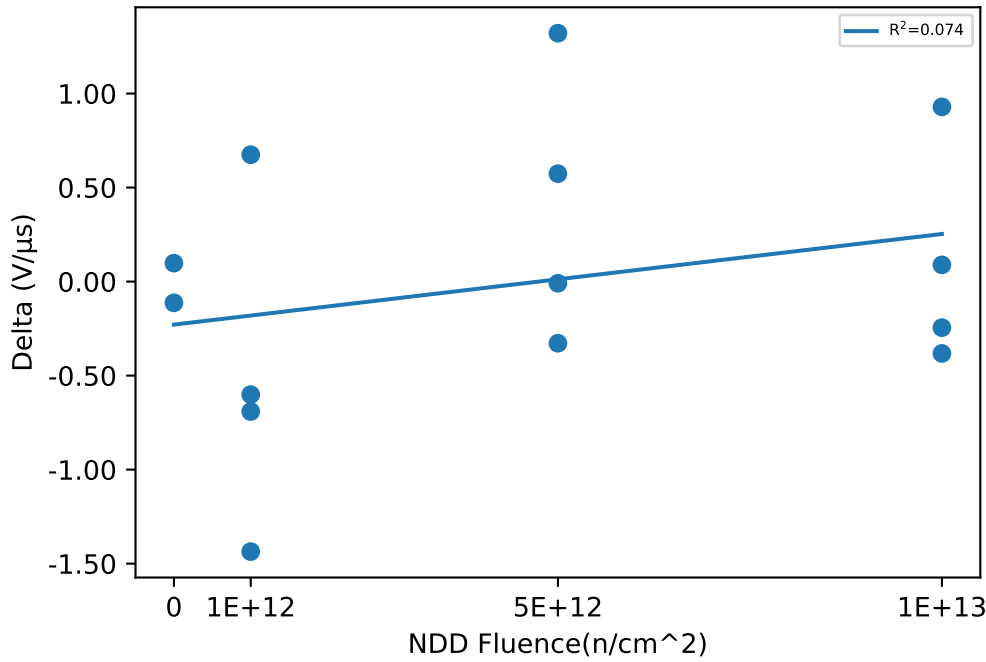
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	33.258	33.356	0.098
301	0	Correlation	33.685	33.572	-0.113
353	1e+12	NDD Unbiased	34.482	33.046	-1.436
354	1e+12	NDD Unbiased	33.449	32.758	-0.691
355	1e+12	NDD Unbiased	32.793	33.468	0.675
356	1e+12	NDD Unbiased	33.327	32.726	-0.601
357	5e+12	NDD Unbiased	33.797	33.469	-0.328
358	5e+12	NDD Unbiased	32.83	32.821	-0.009
359	5e+12	NDD Unbiased	32.792	34.113	1.321
360	5e+12	NDD Unbiased	33.025	33.599	0.574
361	1e+13	NDD Unbiased	33.595	33.35	-0.245
362	1e+13	NDD Unbiased	32.219	32.308	0.089
363	1e+13	NDD Unbiased	33.909	33.527	-0.382
364	1e+13	NDD Unbiased	32.665	33.594	0.929

NDD vs Post - Pre Exposure Delta

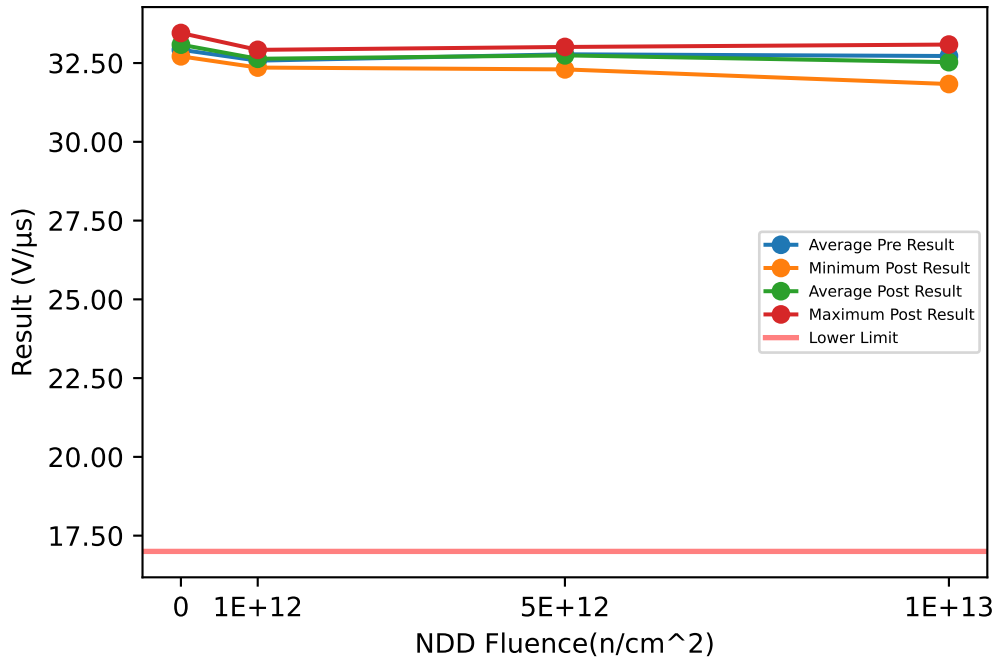


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.258	33.472	33.685	0.30193	33.356	33.464	33.572	0.15274	-0.113	-0.0075	0.098	0.1492
1e+12	32.793	33.513	34.482	0.70618	32.726	32.999	33.468	0.34389	-1.436	-0.51325	0.675	0.87611
5e+12	32.792	33.111	33.797	0.46858	32.821	33.501	34.113	0.53153	-0.328	0.3895	1.321	0.72465
1e+13	32.219	33.097	33.909	0.78843	32.308	33.195	33.594	0.60006	-0.382	0.09775	0.929	0.58841

Device Test: 19.17 ; WDO_SLEW_RATE_RISE

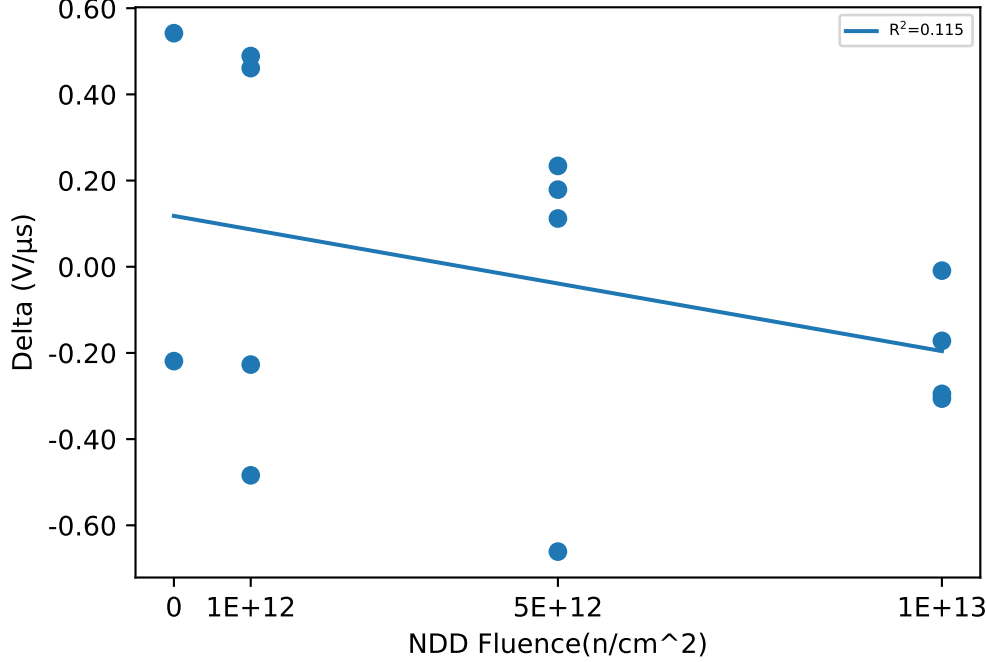
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	32.933	32.714	-0.219
301	0	Correlation	32.912	33.454	0.542
353	1e+12	NDD Unbiased	32.458	32.919	0.461
354	1e+12	NDD Unbiased	32.394	32.883	0.489
355	1e+12	NDD Unbiased	32.612	32.385	-0.227
356	1e+12	NDD Unbiased	32.841	32.357	-0.484
357	5e+12	NDD Unbiased	32.832	33.011	0.179
358	5e+12	NDD Unbiased	32.065	32.299	0.234
359	5e+12	NDD Unbiased	32.674	32.786	0.112
360	5e+12	NDD Unbiased	33.54	32.879	-0.661
361	1e+13	NDD Unbiased	32.715	32.409	-0.306
362	1e+13	NDD Unbiased	32.129	31.834	-0.295
363	1e+13	NDD Unbiased	33.096	33.087	-0.009
364	1e+13	NDD Unbiased	32.955	32.783	-0.172

NDD vs Post - Pre Exposure Delta

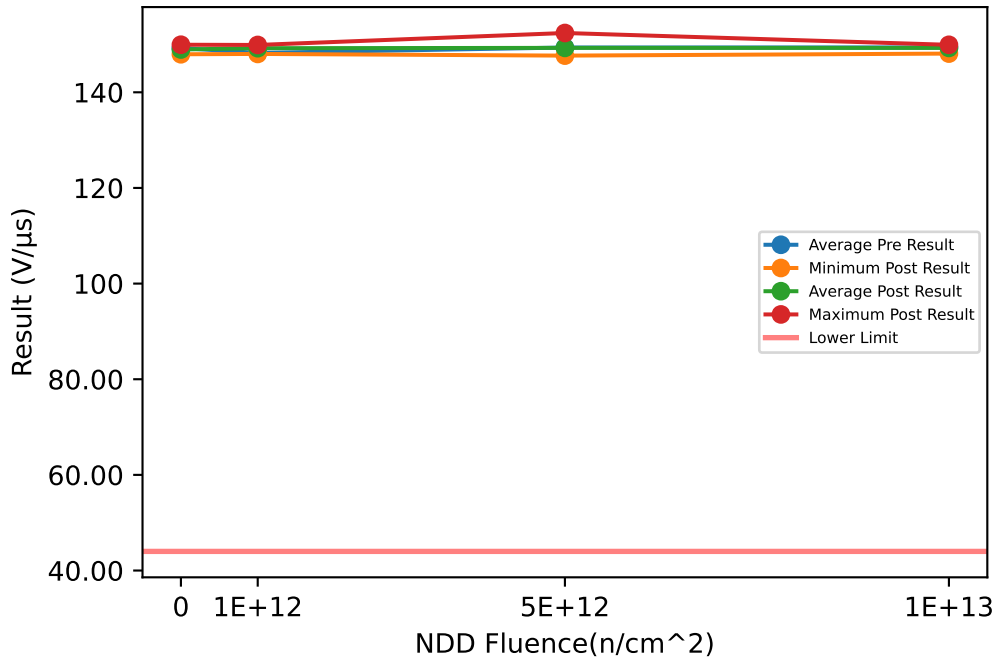


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.912	32.922	32.933	0.014849	32.714	33.084	33.454	0.52326	-0.219	0.1615	0.542	0.53811
1e+12	32.394	32.576	32.841	0.1988	32.357	32.636	32.919	0.30656	-0.484	0.05975	0.489	0.49097
5e+12	32.065	32.778	33.54	0.60629	32.299	32.744	33.011	0.31054	-0.661	-0.034	0.234	0.42097
1e+13	32.129	32.724	33.096	0.42656	31.834	32.528	33.087	0.53954	-0.306	-0.1955	-0.009	0.13838

Device Test: 19.18 ; RESET_SLEW_RATE_FALL

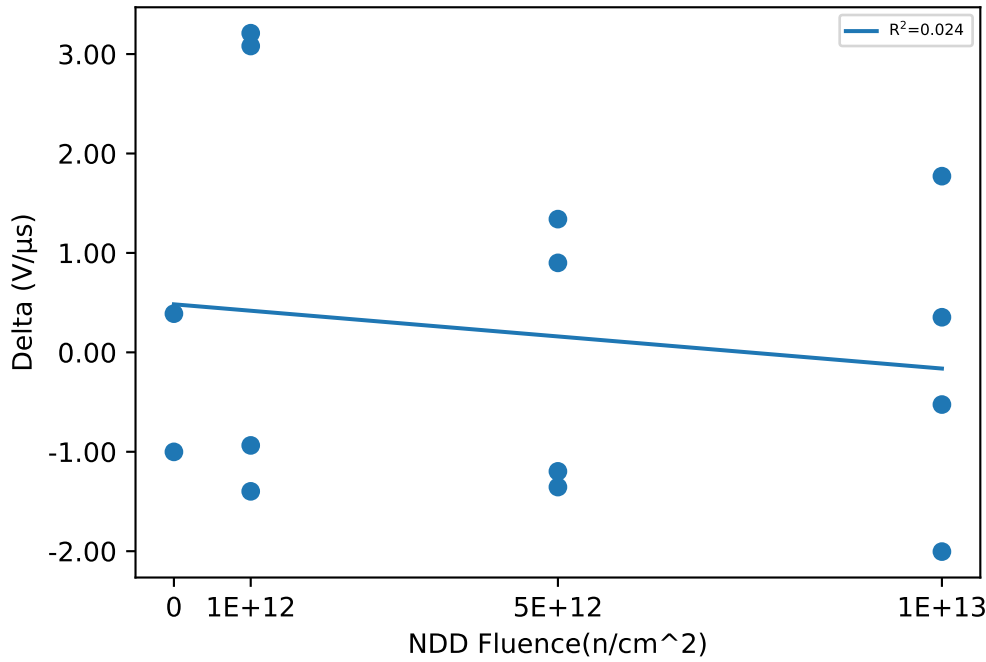
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	148.95	147.95	-1.001
301	0	Correlation	149.56	149.95	0.389
353	1e+12	NDD Unbiased	150.03	149.09	-0.936
354	1e+12	NDD Unbiased	146.82	149.9	3.081
355	1e+12	NDD Unbiased	144.81	148.02	3.21
356	1e+12	NDD Unbiased	151.28	149.88	-1.398
357	5e+12	NDD Unbiased	149.68	148.48	-1.197
358	5e+12	NDD Unbiased	149.03	147.67	-1.355
359	5e+12	NDD Unbiased	147.7	148.6	0.9
360	5e+12	NDD Unbiased	151.06	152.4	1.34
361	1e+13	NDD Unbiased	150.46	149.93	-0.525
362	1e+13	NDD Unbiased	149.17	149.52	0.353
363	1e+13	NDD Unbiased	150.1	148.09	-2.004
364	1e+13	NDD Unbiased	147.81	149.58	1.772

NDD vs Post - Pre Exposure Delta

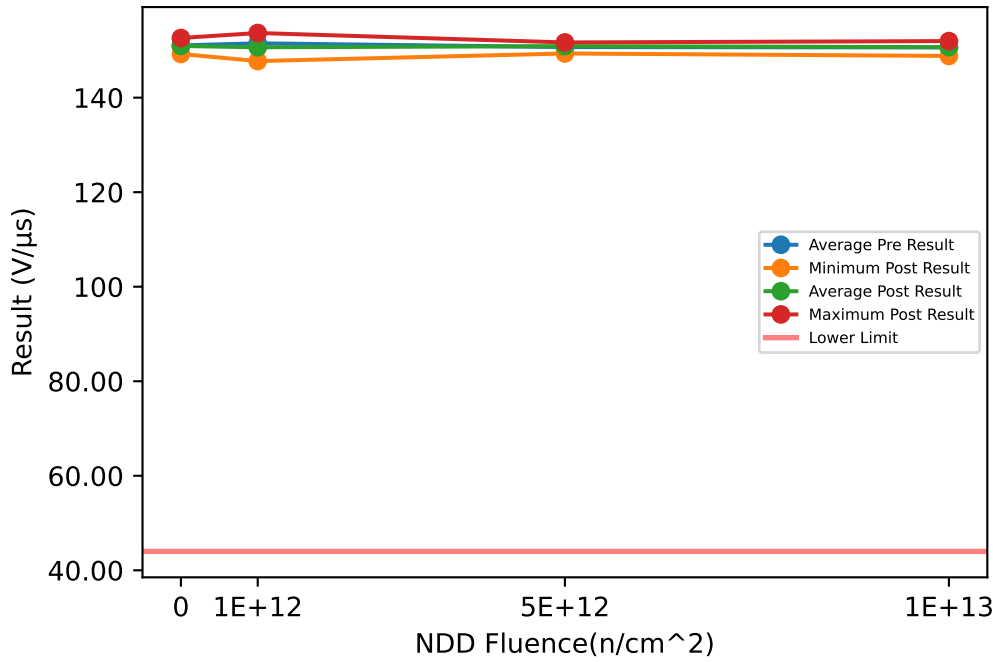


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	148.95	149.25	149.56	0.42709	147.95	148.95	149.95	1.41	-1.001	-0.306	0.389	0.98288
1e+12	144.81	148.23	151.28	2.9546	148.02	149.22	149.9	0.88487	-1.398	0.98925	3.21	2.4975
5e+12	147.7	149.37	151.06	1.396	147.67	149.29	152.4	2.115	-1.355	-0.078	1.34	1.3964
1e+13	147.81	149.38	150.46	1.1824	148.09	149.28	149.93	0.81138	-2.004	-0.101	1.772	1.5828

Device Test: 19.19 ; RESET_SLEW_RATE_FALL

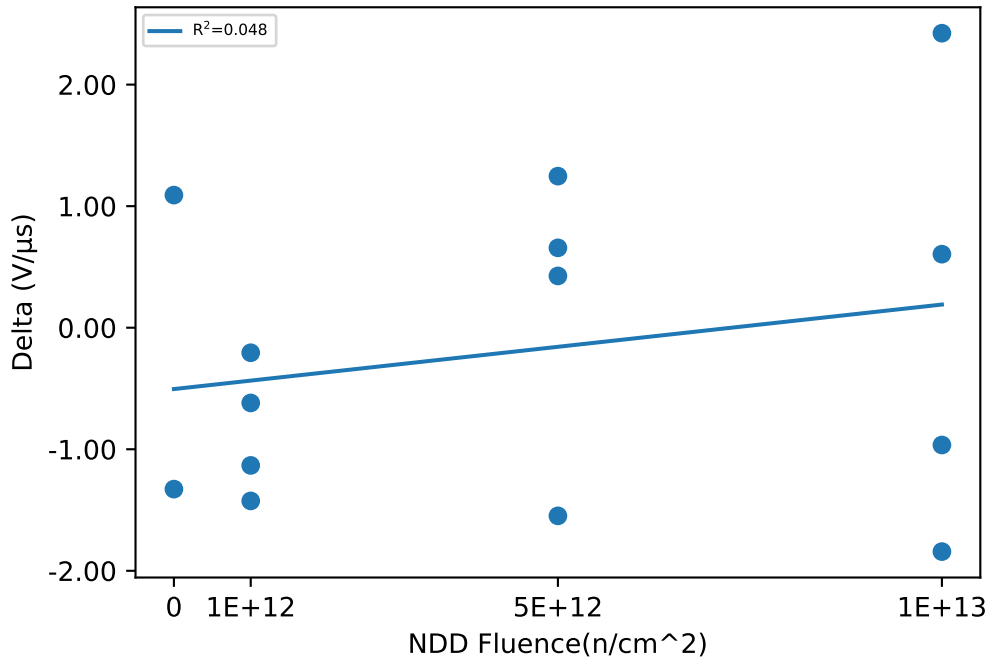
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	150.57	149.24	-1.328
301	0	Correlation	151.53	152.62	1.091
353	1e+12	NDD Unbiased	154.81	153.68	-1.133
354	1e+12	NDD Unbiased	151.09	150.47	-0.619
355	1e+12	NDD Unbiased	150.94	150.73	-0.206
356	1e+12	NDD Unbiased	149.16	147.73	-1.425
357	5e+12	NDD Unbiased	150.94	151.37	0.426
358	5e+12	NDD Unbiased	150.52	151.18	0.657
359	5e+12	NDD Unbiased	150.43	151.68	1.247
360	5e+12	NDD Unbiased	150.89	149.35	-1.548
361	1e+13	NDD Unbiased	152.41	151.45	-0.965
362	1e+13	NDD Unbiased	148.07	150.49	2.423
363	1e+13	NDD Unbiased	151.36	151.97	0.605
364	1e+13	NDD Unbiased	150.67	148.83	-1.842

NDD vs Post - Pre Exposure Delta

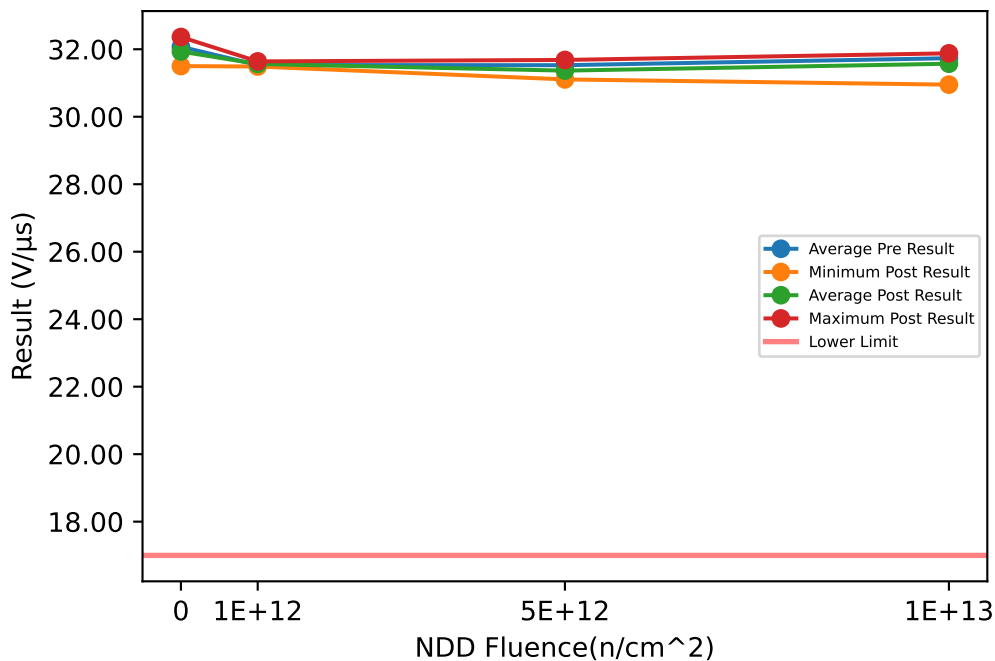


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	150.57	151.05	151.53	0.67882	149.24	150.93	152.62	2.3893	-1.328	-0.1185	1.091	1.7105
1e+12	149.16	151.5	154.81	2.376	147.73	150.65	153.68	2.4306	-1.425	-0.84575	-0.206	0.54121
5e+12	150.43	150.7	150.94	0.25794	149.35	150.89	151.68	1.0525	-1.548	0.1955	1.247	1.2126
1e+13	148.07	150.63	152.41	1.8494	148.83	150.68	151.97	1.38	-1.842	0.05525	2.423	1.8752

Device Test: 19.2 ; RESET_SLEW_RATE_RISE

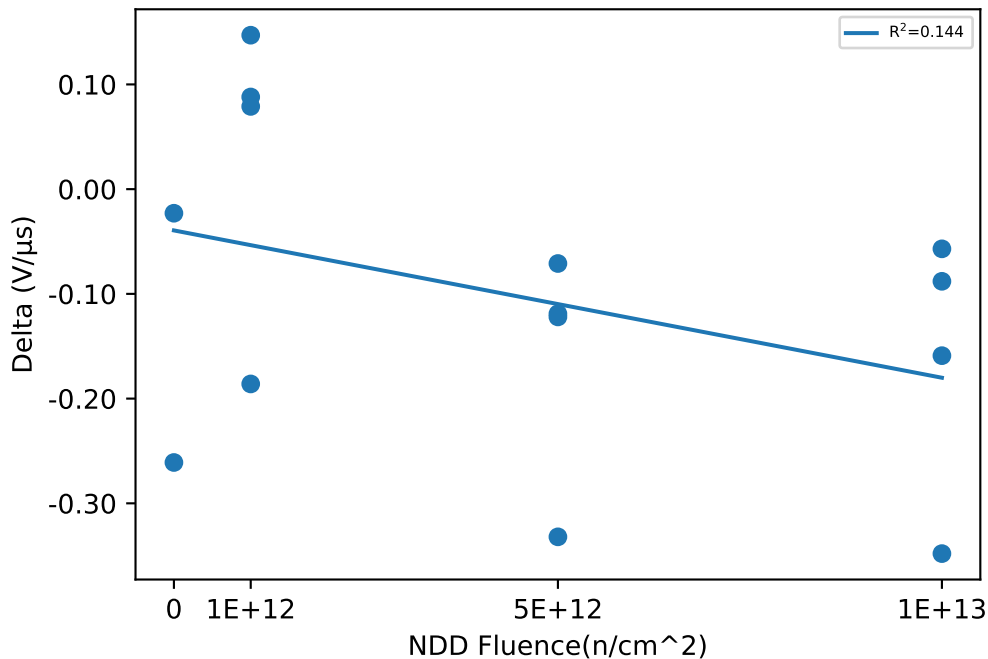
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	31.762	31.501	-0.261
301	0	Correlation	32.386	32.363	-0.023
353	1e+12	NDD Unbiased	31.492	31.571	0.079
354	1e+12	NDD Unbiased	31.468	31.556	0.088
355	1e+12	NDD Unbiased	31.826	31.64	-0.186
356	1e+12	NDD Unbiased	31.341	31.488	0.147
357	5e+12	NDD Unbiased	31.805	31.683	-0.122
358	5e+12	NDD Unbiased	31.177	31.106	-0.071
359	5e+12	NDD Unbiased	31.579	31.46	-0.119
360	5e+12	NDD Unbiased	31.548	31.216	-0.332
361	1e+13	NDD Unbiased	31.747	31.659	-0.088
362	1e+13	NDD Unbiased	31.11	30.951	-0.159
363	1e+13	NDD Unbiased	32.143	31.795	-0.348
364	1e+13	NDD Unbiased	31.936	31.879	-0.057

NDD vs Post - Pre Exposure Delta

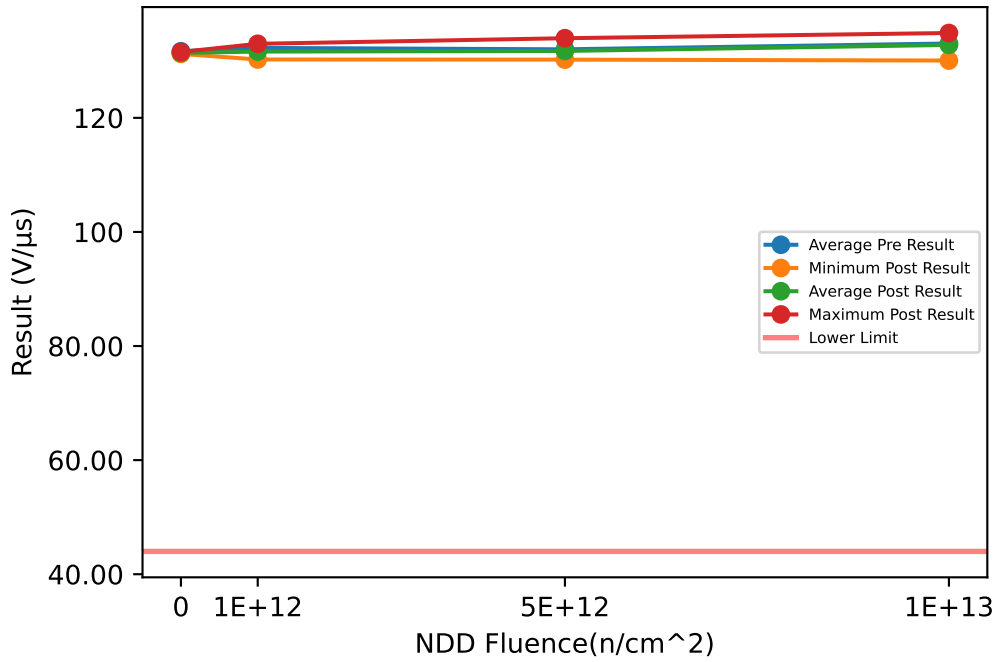


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	31.762	32.074	32.386	0.44123	31.501	31.932	32.363	0.60953	-0.261	-0.142	-0.023	0.16829
1e+12	31.341	31.532	31.826	0.20705	31.488	31.564	31.64	0.062356	-0.186	0.032	0.147	0.14843
5e+12	31.177	31.527	31.805	0.26008	31.106	31.366	31.683	0.25783	-0.332	-0.161	-0.071	0.11637
1e+13	31.11	31.734	32.143	0.44633	30.951	31.571	31.879	0.42316	-0.348	-0.163	-0.057	0.13051

Device Test: 19.20 ; RESET_SLEW_RATE_FALL

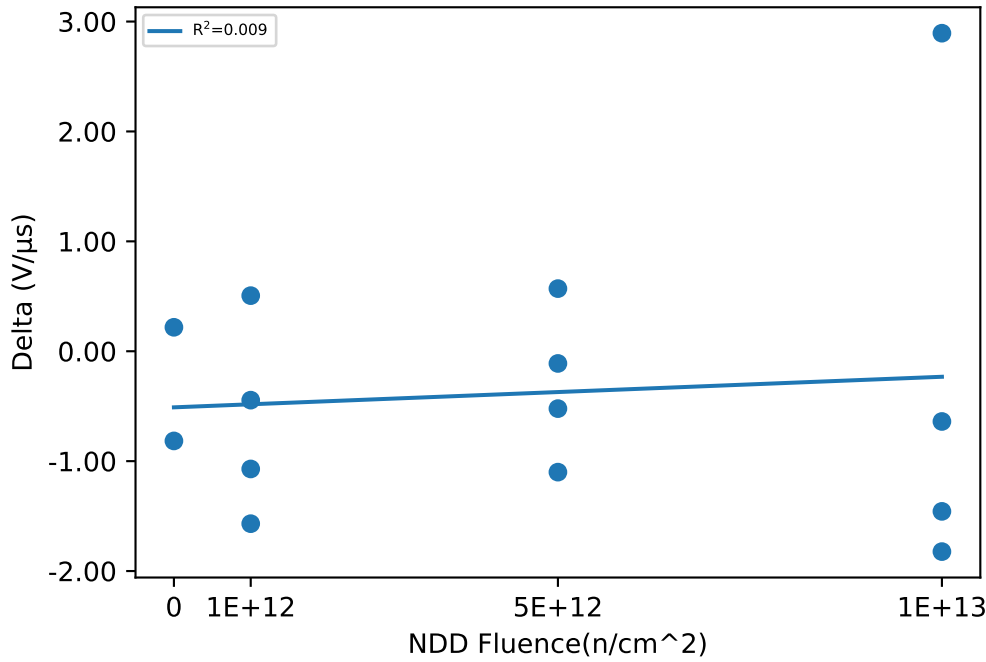
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	131.34	131.55	0.218
301	0	Correlation	132.03	131.21	-0.816
353	1e+12	NDD Unbiased	134.55	132.98	-1.569
354	1e+12	NDD Unbiased	132.17	131.1	-1.071
355	1e+12	NDD Unbiased	131.64	132.15	0.506
356	1e+12	NDD Unbiased	130.68	130.23	-0.445
357	5e+12	NDD Unbiased	133.39	133.96	0.57
358	5e+12	NDD Unbiased	132.47	132.36	-0.111
359	5e+12	NDD Unbiased	130.9	130.38	-0.522
360	5e+12	NDD Unbiased	131.3	130.2	-1.1
361	1e+13	NDD Unbiased	131.65	134.54	2.894
362	1e+13	NDD Unbiased	131.87	130.05	-1.823
363	1e+13	NDD Unbiased	133.11	131.65	-1.457
364	1e+13	NDD Unbiased	135.51	134.88	-0.639

NDD vs Post - Pre Exposure Delta

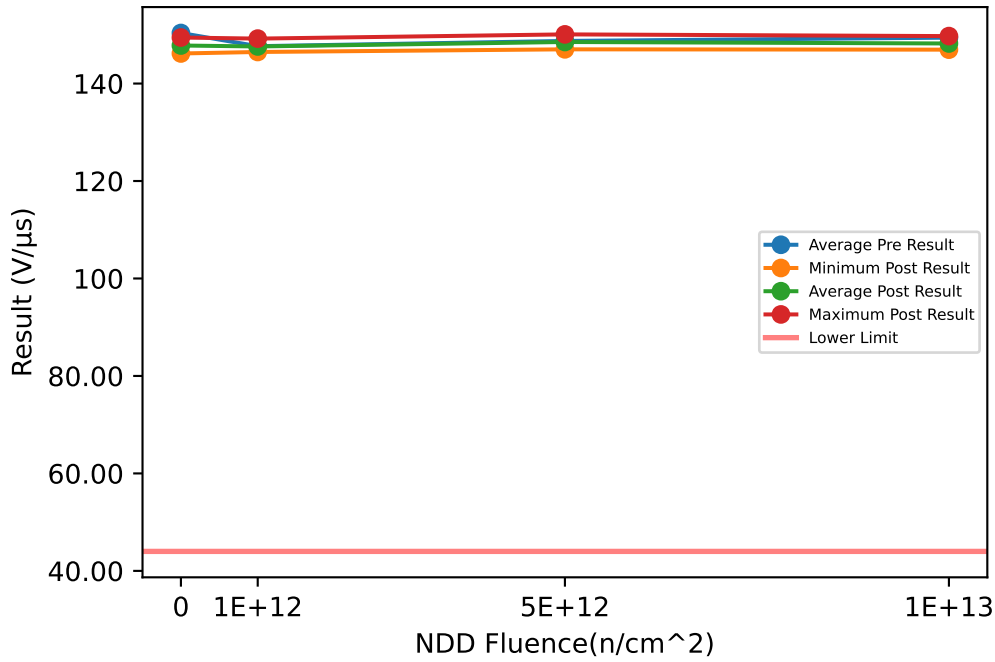


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.34	131.68	132.03	0.4879	131.21	131.38	131.55	0.24324	-0.816	-0.299	0.218	0.73115
1e+12	130.68	132.26	134.55	1.6474	130.23	131.62	132.98	1.2014	-1.569	-0.64475	0.506	0.89444
5e+12	130.9	132.02	133.39	1.133	130.2	131.73	133.96	1.7825	-1.1	-0.29075	0.57	0.70275
1e+13	131.65	133.04	135.51	1.7719	130.05	132.78	134.88	2.3265	-1.823	-0.25625	2.894	2.1577

Device Test: 19.21 ; RESET_SLEW_RATE_FALL

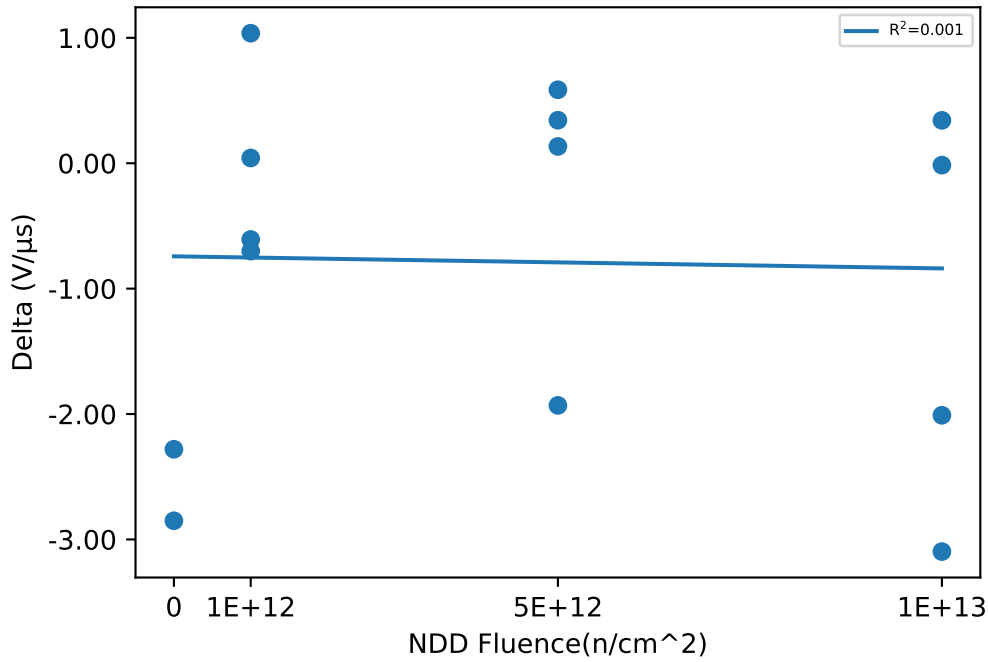
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	149.02	146.17	-2.851
301	0	Correlation	151.72	149.44	-2.281
353	1e+12	NDD Unbiased	149.92	149.22	-0.701
354	1e+12	NDD Unbiased	146.51	147.55	1.037
355	1e+12	NDD Unbiased	147.79	147.19	-0.608
356	1e+12	NDD Unbiased	146.44	146.48	0.042
357	5e+12	NDD Unbiased	150.47	148.54	-1.931
358	5e+12	NDD Unbiased	148.12	148.46	0.343
359	5e+12	NDD Unbiased	149.96	150.09	0.134
360	5e+12	NDD Unbiased	146.44	147.02	0.586
361	1e+13	NDD Unbiased	148.97	146.96	-2.01
362	1e+13	NDD Unbiased	149.39	149.74	0.342
363	1e+13	NDD Unbiased	147.28	147.27	-0.015
364	1e+13	NDD Unbiased	152.03	148.93	-3.097

NDD vs Post - Pre Exposure Delta

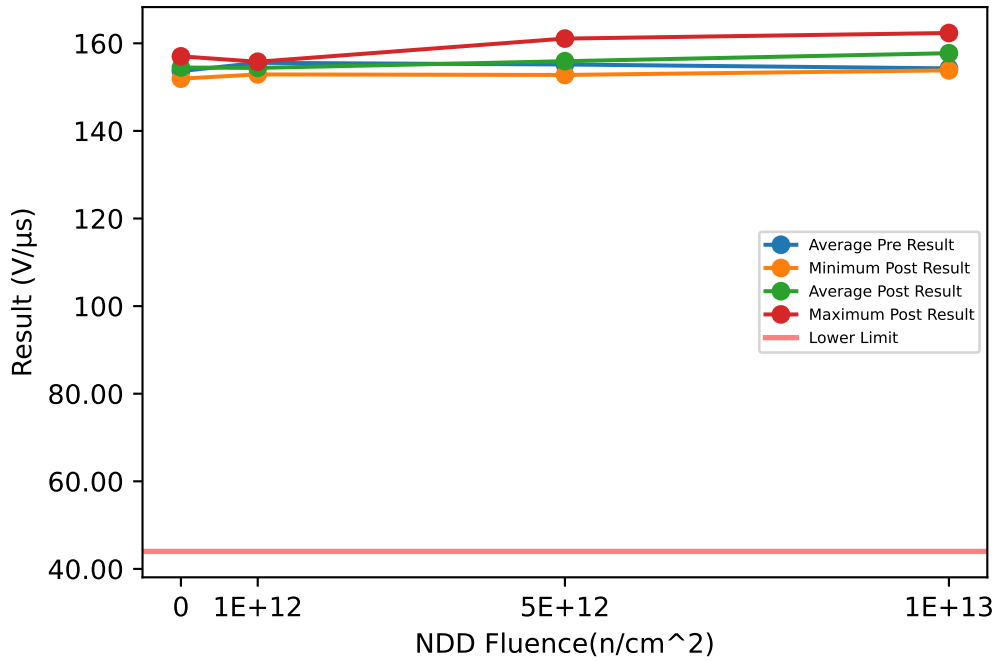


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	149.02	150.37	151.72	1.9127	146.17	147.81	149.44	2.3158	-2.851	-2.566	-2.281	0.40305
1e+12	146.44	147.67	149.92	1.628	146.48	147.61	149.22	1.164	-0.701	-0.0575	1.037	0.80104
5e+12	146.44	148.74	150.47	1.8406	147.02	148.53	150.09	1.2533	-1.931	-0.217	0.586	1.1575
1e+13	147.28	149.42	152.03	1.9638	146.96	148.22	149.74	1.3303	-3.097	-1.195	0.342	1.6367

Device Test: 19.22 ; PWRGD_SLEW_RATE_FALL

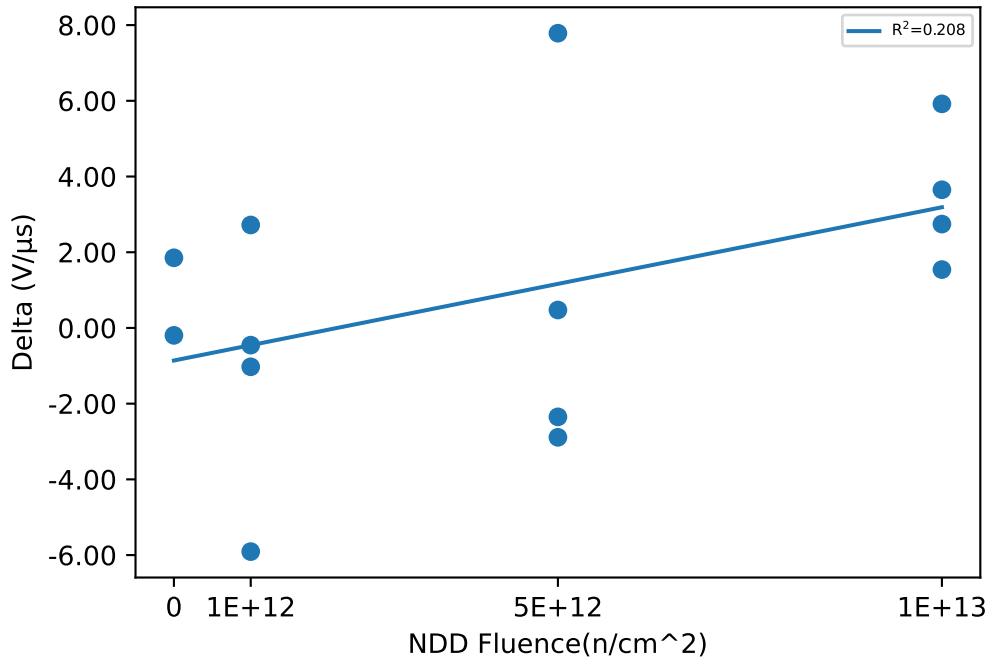
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	155.17	157.03	1.853
301	0	Correlation	152.13	151.93	-0.196
353	1e+12	NDD Unbiased	158.81	152.9	-5.908
354	1e+12	NDD Unbiased	155.86	154.83	-1.026
355	1e+12	NDD Unbiased	153.07	155.79	2.72
356	1e+12	NDD Unbiased	154.45	153.99	-0.454
357	5e+12	NDD Unbiased	158.54	155.65	-2.889
358	5e+12	NDD Unbiased	153.7	154.18	0.474
359	5e+12	NDD Unbiased	153.29	161.08	7.786
360	5e+12	NDD Unbiased	155.13	152.78	-2.349
361	1e+13	NDD Unbiased	156.44	162.36	5.919
362	1e+13	NDD Unbiased	152.67	154.21	1.542
363	1e+13	NDD Unbiased	151.09	153.83	2.744
364	1e+13	NDD Unbiased	156.94	160.59	3.65

NDD vs Post - Pre Exposure Delta

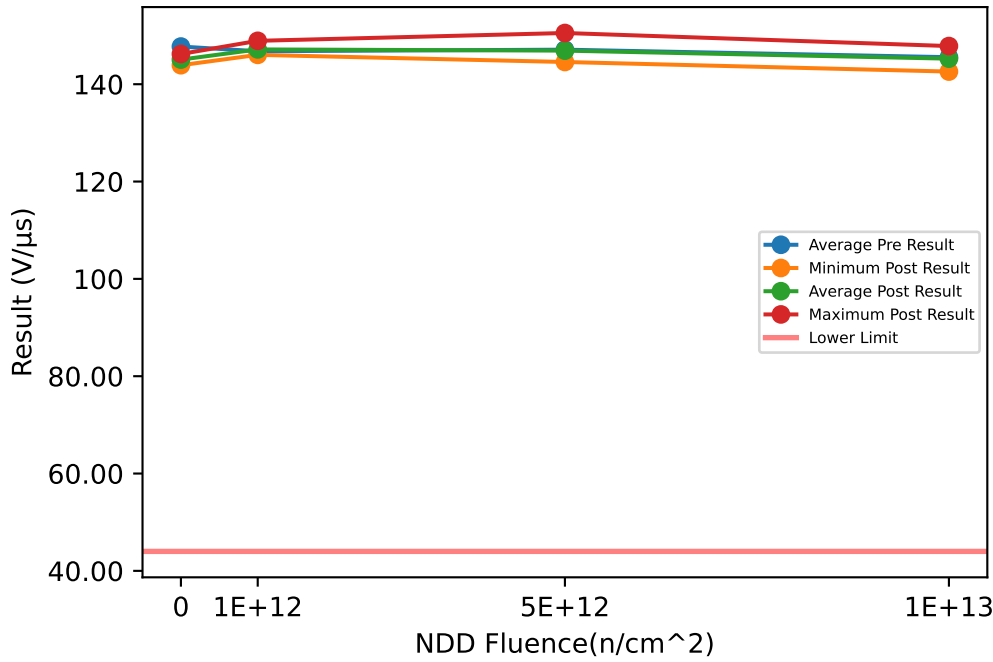


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	152.13	153.65	155.17	2.1546	151.93	154.48	157.03	3.6034	-0.196	0.8285	1.853	1.4489
1e+12	153.07	155.55	158.81	2.4521	152.9	154.38	155.79	1.2318	-5.908	-1.167	2.72	3.5644
5e+12	153.29	155.17	158.54	2.3821	152.78	155.92	161.08	3.6339	-2.889	0.7555	7.786	4.9135
1e+13	151.09	154.28	156.94	2.8603	153.83	157.75	162.36	4.3668	1.542	3.4638	5.919	1.8506

Device Test: 19.23 ; WDO_SLEW_RATE_FALL

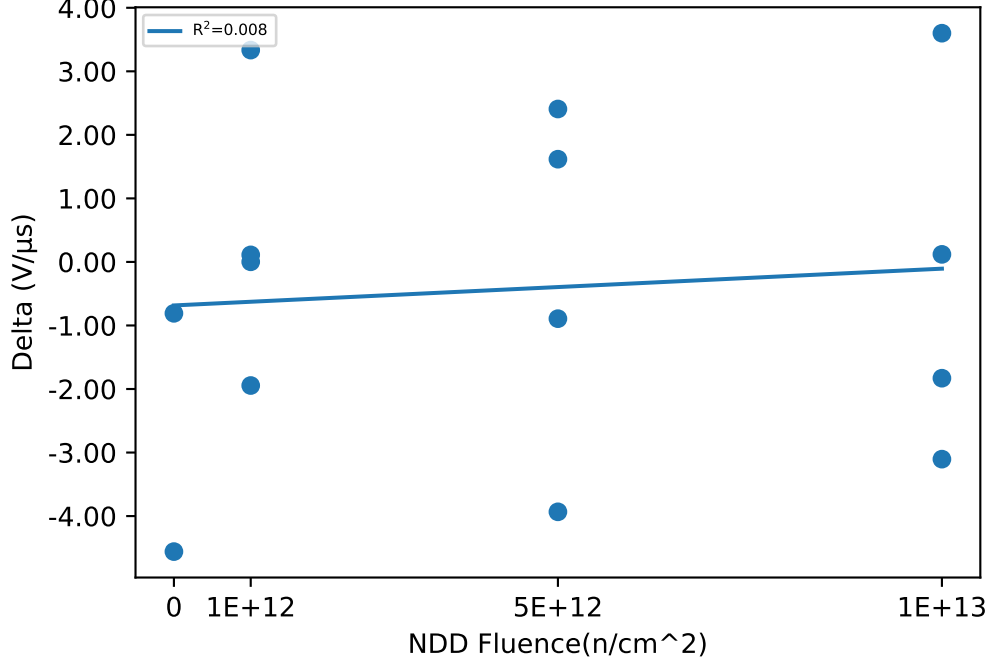
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	144.71	143.9	-0.809
301	0	Correlation	150.77	146.21	-4.559
353	1e+12	NDD Unbiased	148.08	146.14	-1.945
354	1e+12	NDD Unbiased	148.91	148.91	0.002
355	1e+12	NDD Unbiased	145.92	146.03	0.111
356	1e+12	NDD Unbiased	144.19	147.53	3.334
357	5e+12	NDD Unbiased	148.12	150.52	2.407
358	5e+12	NDD Unbiased	147.75	146.85	-0.893
359	5e+12	NDD Unbiased	144.03	145.65	1.617
360	5e+12	NDD Unbiased	148.5	144.57	-3.933
361	1e+13	NDD Unbiased	142.22	145.82	3.6
362	1e+13	NDD Unbiased	146.57	144.74	-1.83
363	1e+13	NDD Unbiased	145.7	142.6	-3.104
364	1e+13	NDD Unbiased	147.72	147.84	0.119

NDD vs Post - Pre Exposure Delta

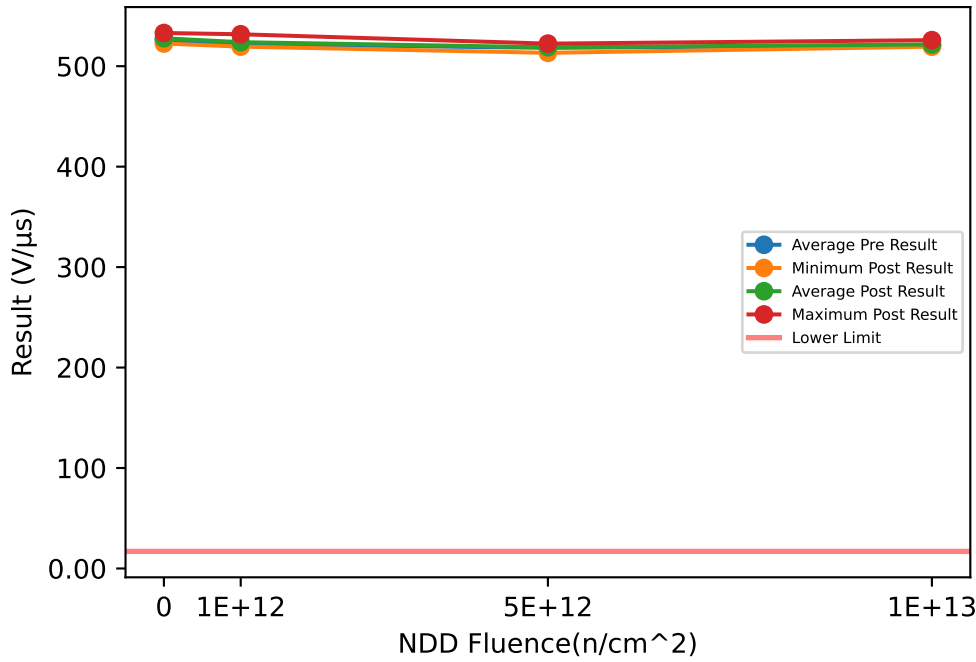


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	144.71	147.74	150.77	4.2808	143.9	145.06	146.21	1.6292	-4.559	-2.684	-0.809	2.6517
1e+12	144.19	146.78	148.91	2.1351	146.03	147.15	148.91	1.3576	-1.945	0.3755	3.334	2.1868
5e+12	144.03	147.1	148.5	2.0658	144.57	146.9	150.52	2.5911	-3.933	-0.2005	2.407	2.8585
1e+13	142.22	145.55	147.72	2.3717	142.6	145.25	147.84	2.1851	-3.104	-0.30375	3.6	2.9205

Device Test: 19.24 ; RESET_SLEW_RATE_RISE

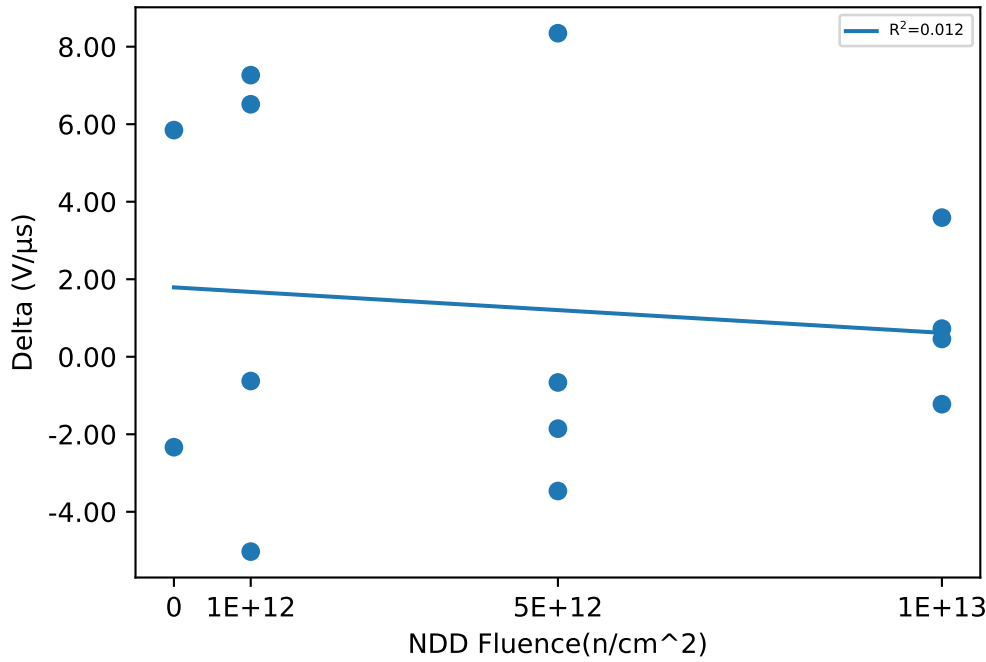
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	516.71	522.56	5.848
301	0	Correlation	535.37	533.03	-2.334
353	1e+12	NDD Unbiased	524.51	519.48	-5.027
354	1e+12	NDD Unbiased	525.26	531.77	6.514
355	1e+12	NDD Unbiased	523.31	522.68	-0.626
356	1e+12	NDD Unbiased	514.39	521.65	7.266
357	5e+12	NDD Unbiased	523.12	522.45	-0.663
358	5e+12	NDD Unbiased	516.76	513.29	-3.464
359	5e+12	NDD Unbiased	520.09	518.24	-1.855
360	5e+12	NDD Unbiased	513.03	521.38	8.348
361	1e+13	NDD Unbiased	521.11	521.57	0.459
362	1e+13	NDD Unbiased	518.9	519.63	0.726
363	1e+13	NDD Unbiased	522.32	525.91	3.59
364	1e+13	NDD Unbiased	520.66	519.44	-1.224

NDD vs Post - Pre Exposure Delta

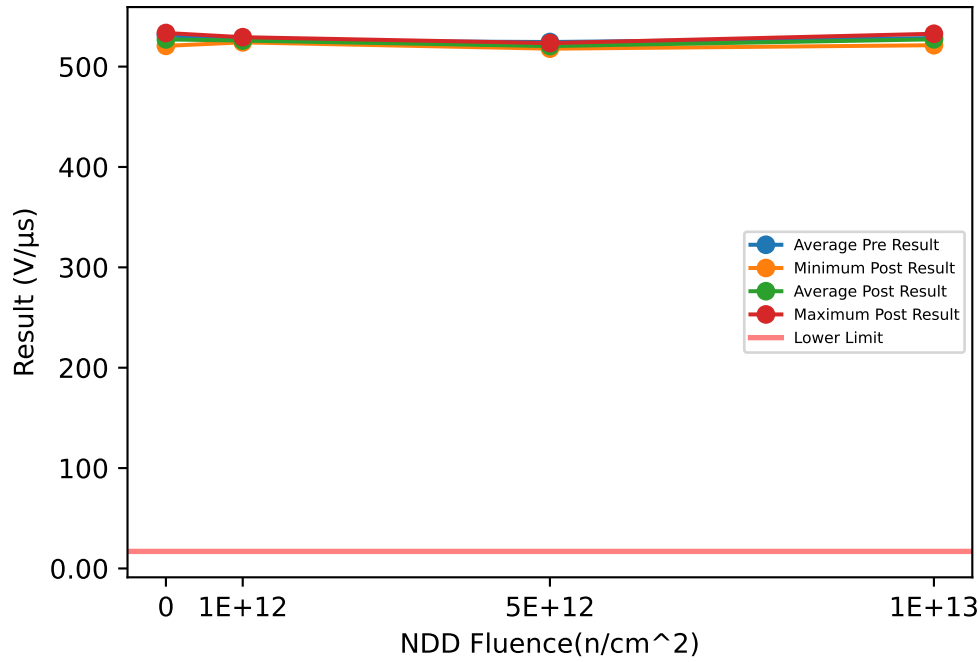


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	516.71	526.04	535.37	13.193	522.56	527.8	533.03	7.4077	-2.334	1.757	5.848	5.7855
1e+12	514.39	521.87	525.26	5.0495	519.48	523.9	531.77	5.4158	-5.027	2.0317	7.266	5.8985
5e+12	513.03	518.25	523.12	4.3396	513.29	518.84	522.45	4.1091	-3.464	0.5915	8.348	5.2968
1e+13	518.9	520.75	522.32	1.4164	519.44	521.64	525.91	3.008	-1.224	0.88775	3.59	1.9976

Device Test: 19.25 ; RESET_SLEW_RATE_RISE

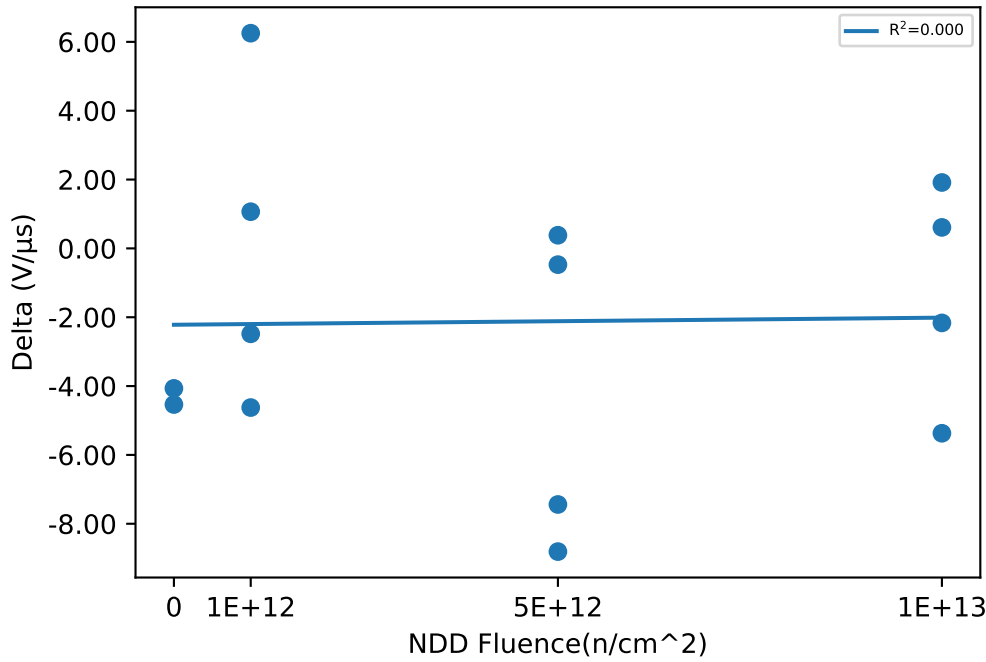
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	525.22	520.68	-4.536
301	0	Correlation	537.55	533.48	-4.067
353	1e+12	NDD Unbiased	523.06	529.31	6.252
354	1e+12	NDD Unbiased	529.73	525.11	-4.624
355	1e+12	NDD Unbiased	524.1	525.16	1.066
356	1e+12	NDD Unbiased	526.62	524.14	-2.482
357	5e+12	NDD Unbiased	521.74	522.12	0.382
358	5e+12	NDD Unbiased	525.81	518.37	-7.44
359	5e+12	NDD Unbiased	526.67	517.86	-8.809
360	5e+12	NDD Unbiased	523.86	523.39	-0.472
361	1e+13	NDD Unbiased	531.4	526.03	-5.371
362	1e+13	NDD Unbiased	523.47	521.3	-2.165
363	1e+13	NDD Unbiased	526.71	528.63	1.915
364	1e+13	NDD Unbiased	532.12	532.73	0.61

NDD vs Post - Pre Exposure Delta

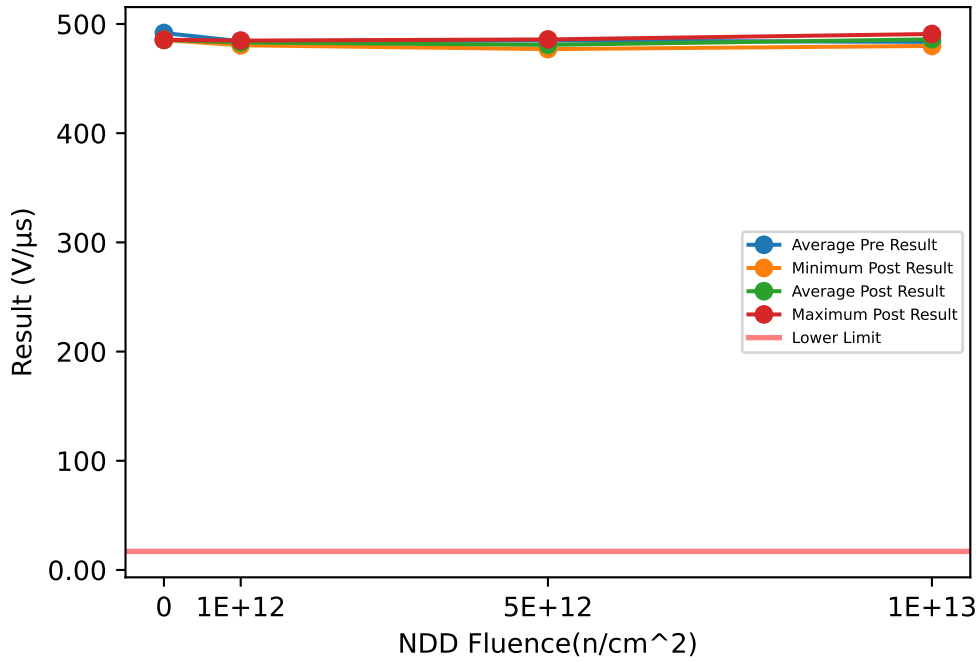


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	525.22	531.39	537.55	8.7186	520.68	527.08	533.48	9.0503	-4.536	-4.3015	-4.067	0.33163
1e+12	523.06	525.88	529.73	2.9732	524.14	525.93	529.31	2.3011	-4.624	0.053	6.252	4.7523
5e+12	521.74	524.52	526.67	2.198	517.86	520.44	523.39	2.7336	-8.809	-4.0848	0.382	4.711
1e+13	523.47	528.42	532.12	4.082	521.3	527.17	532.73	4.787	-5.371	-1.2527	1.915	3.2299

Device Test: 19.26 ; RESET_SLEW_RATE_RISE

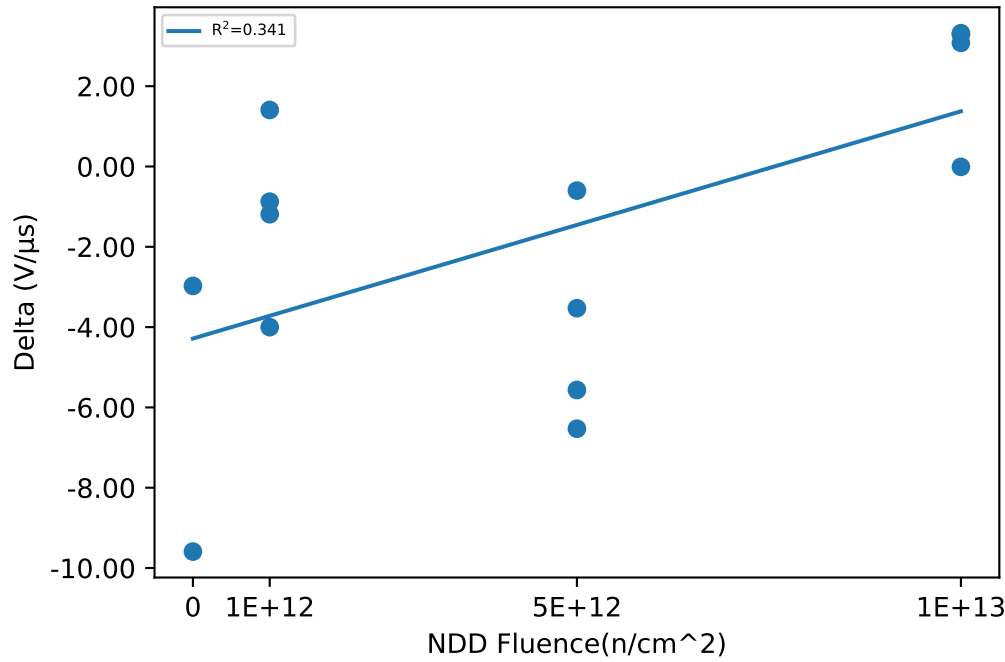
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	488.33	485.36	-2.974
301	0	Correlation	495.18	485.59	-9.591
353	1e+12	NDD Unbiased	481.7	480.51	-1.188
354	1e+12	NDD Unbiased	488.81	484.81	-4.001
355	1e+12	NDD Unbiased	482.02	483.43	1.408
356	1e+12	NDD Unbiased	484.29	483.41	-0.876
357	5e+12	NDD Unbiased	489.4	485.87	-3.529
358	5e+12	NDD Unbiased	477.59	476.99	-0.6
359	5e+12	NDD Unbiased	487.31	480.77	-6.531
360	5e+12	NDD Unbiased	485.36	479.8	-5.566
361	1e+13	NDD Unbiased	483.25	486.54	3.29
362	1e+13	NDD Unbiased	476.83	479.91	3.079
363	1e+13	NDD Unbiased	486.71	486.7	-0.009
364	1e+13	NDD Unbiased	487.52	490.84	3.32

NDD vs Post - Pre Exposure Delta

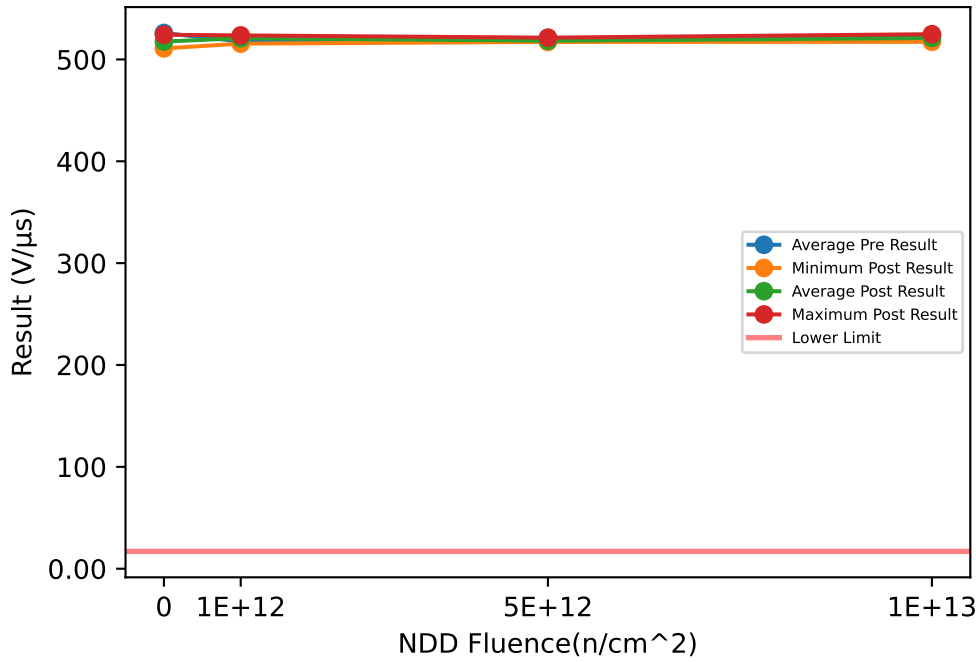


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	488.33	491.76	495.18	4.8401	485.36	485.47	485.59	0.16122	-9.591	-6.2825	-2.974	4.6789
1e+12	481.7	484.2	488.81	3.2786	480.51	483.04	484.81	1.8076	-4.001	-1.1642	1.408	2.2172
5e+12	477.59	484.91	489.4	5.1529	476.99	480.86	485.87	3.7055	-6.531	-4.0565	-0.6	2.6222
1e+13	476.83	483.58	487.52	4.8656	479.91	486	490.84	4.5209	-0.009	2.42	3.32	1.6229

Device Test: 19.27 ; RESET_SLEW_RATE_RISE

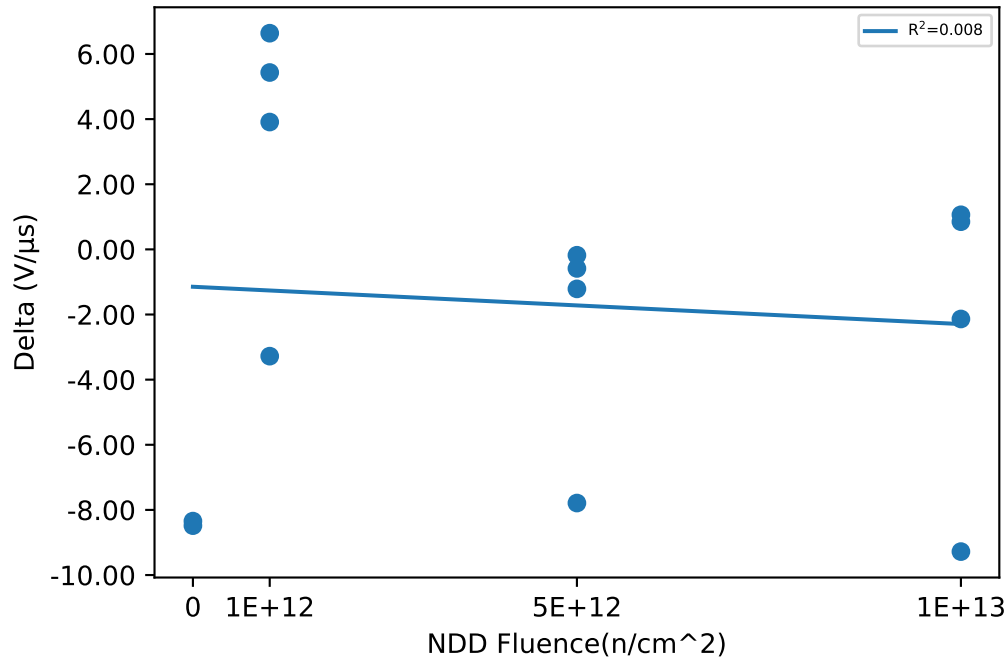
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	519.32	510.84	-8.483
301	0	Correlation	532.59	524.25	-8.344
353	1e+12	NDD Unbiased	516.94	523.58	6.638
354	1e+12	NDD Unbiased	517.06	520.97	3.91
355	1e+12	NDD Unbiased	517.73	523.16	5.431
356	1e+12	NDD Unbiased	518.78	515.5	-3.279
357	5e+12	NDD Unbiased	525.47	517.68	-7.789
358	5e+12	NDD Unbiased	517.37	517.19	-0.18
359	5e+12	NDD Unbiased	517.83	517.25	-0.585
360	5e+12	NDD Unbiased	522.59	521.38	-1.213
361	1e+13	NDD Unbiased	528.08	518.8	-9.28
362	1e+13	NDD Unbiased	516.44	517.29	0.85
363	1e+13	NDD Unbiased	526.93	524.79	-2.137
364	1e+13	NDD Unbiased	522.13	523.2	1.062

NDD vs Post - Pre Exposure Delta

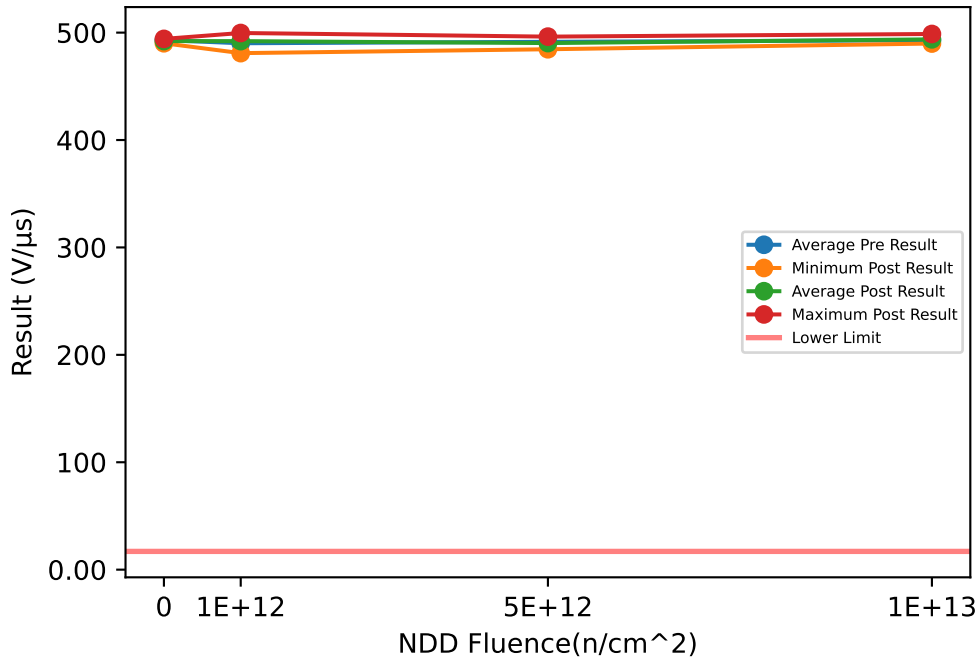


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	519.32	525.96	532.59	9.384	510.84	517.54	524.25	9.4823	-8.483	-8.4135	-8.344	0.098288
1e+12	516.94	517.63	518.78	0.84157	515.5	520.8	523.58	3.7167	-3.279	3.175	6.638	4.4451
5e+12	517.37	520.81	525.47	3.8974	517.19	518.37	521.38	2.0144	-7.789	-2.4418	-0.18	3.5901
1e+13	516.44	523.4	528.08	5.3028	517.29	521.02	524.79	3.5468	-9.28	-2.3762	1.062	4.8287

Device Test: 19.28 ; PWRGD_SLEW_RATE_RISE

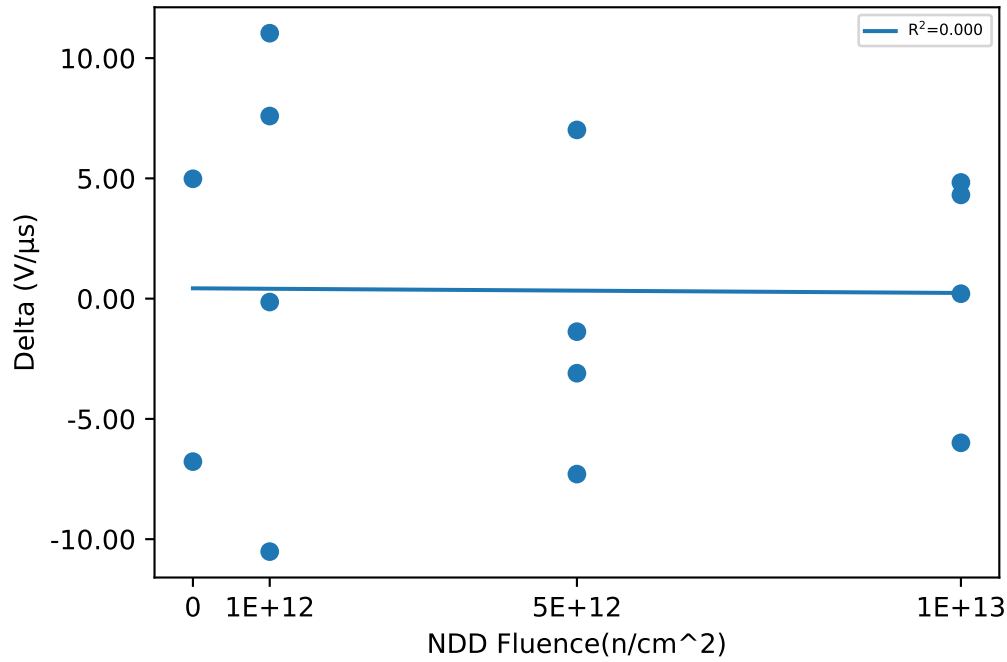
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	489.18	494.16	4.983
301	0	Correlation	496.87	490.1	-6.776
353	1e+12	NDD Unbiased	490.18	497.77	7.592
354	1e+12	NDD Unbiased	488.61	499.65	11.036
355	1e+12	NDD Unbiased	490.14	490	-0.141
356	1e+12	NDD Unbiased	491.42	480.9	-10.517
357	5e+12	NDD Unbiased	493.66	492.28	-1.373
358	5e+12	NDD Unbiased	489.25	496.27	7.014
359	5e+12	NDD Unbiased	491.8	484.51	-7.295
360	5e+12	NDD Unbiased	491.1	488	-3.101
361	1e+13	NDD Unbiased	492.24	492.45	0.205
362	1e+13	NDD Unbiased	489.18	494.01	4.831
363	1e+13	NDD Unbiased	495.83	489.83	-5.994
364	1e+13	NDD Unbiased	494.42	498.73	4.313

NDD vs Post - Pre Exposure Delta

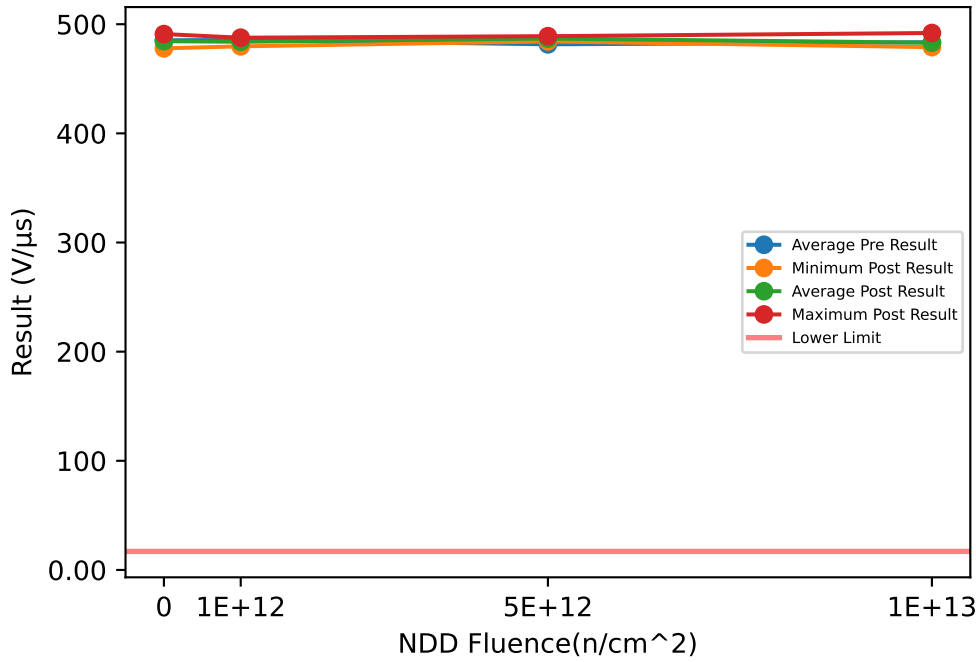


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	489.18	493.02	496.87	5.4405	490.1	492.13	494.16	2.8744	-6.776	-0.8965	4.983	8.3149
1e+12	488.61	490.09	491.42	1.1501	480.9	492.08	499.65	8.5406	-10.517	1.9925	11.036	9.56
5e+12	489.25	491.45	493.66	1.8204	484.51	490.26	496.27	5.1121	-7.295	-1.1887	7.014	6.0073
1e+13	489.18	492.92	495.83	2.8941	489.83	493.76	498.73	3.7382	-5.994	0.83875	4.831	5.0032

Device Test: 19.29 ; WDO_SLEW_RATE_RISE

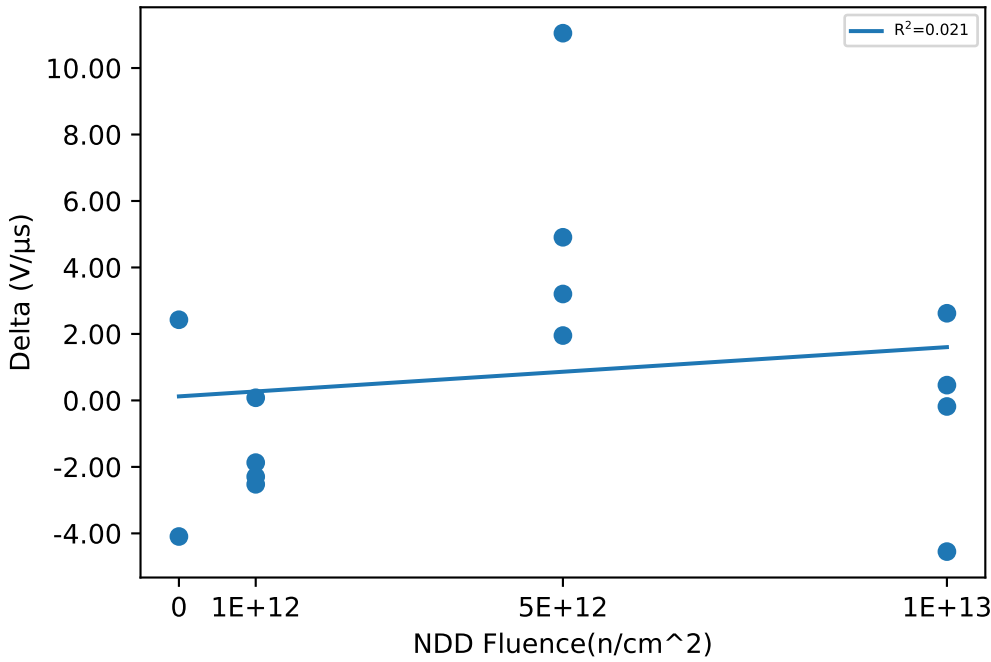
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	482.01	477.92	-4.094
301	0	Correlation	488.55	490.97	2.427
353	1e+12	NDD Unbiased	485.3	483.01	-2.294
354	1e+12	NDD Unbiased	487.57	487.65	0.08
355	1e+12	NDD Unbiased	481.61	479.73	-1.871
356	1e+12	NDD Unbiased	487.79	485.27	-2.524
357	5e+12	NDD Unbiased	484.61	486.56	1.952
358	5e+12	NDD Unbiased	478	489.04	11.048
359	5e+12	NDD Unbiased	484.3	487.51	3.202
360	5e+12	NDD Unbiased	479.35	484.26	4.908
361	1e+13	NDD Unbiased	481.52	481.34	-0.182
362	1e+13	NDD Unbiased	478.54	479	0.46
363	1e+13	NDD Unbiased	489.33	491.96	2.622
364	1e+13	NDD Unbiased	484.53	479.98	-4.548

NDD vs Post - Pre Exposure Delta

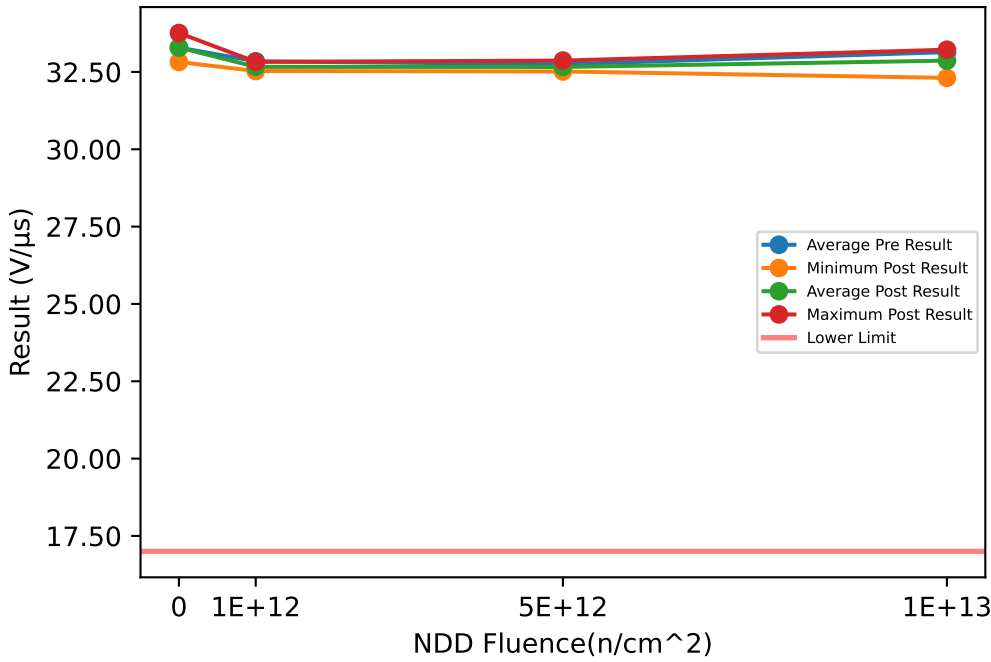


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	482.01	485.28	488.55	4.6188	477.92	484.45	490.97	9.2299	-4.094	-0.8335	2.427	4.611
1e+12	481.61	485.57	487.79	2.8704	479.73	483.91	487.65	3.3692	-2.524	-1.6522	0.08	1.1861
5e+12	478	481.57	484.61	3.3873	484.26	486.84	489.04	2.0028	1.952	5.2775	11.048	4.0333
1e+13	478.54	483.48	489.33	4.606	479	483.07	491.96	6.0032	-4.548	-0.412	2.622	3.0069

Device Test: 19.3 ; RESET_SLEW_RATE_RISE

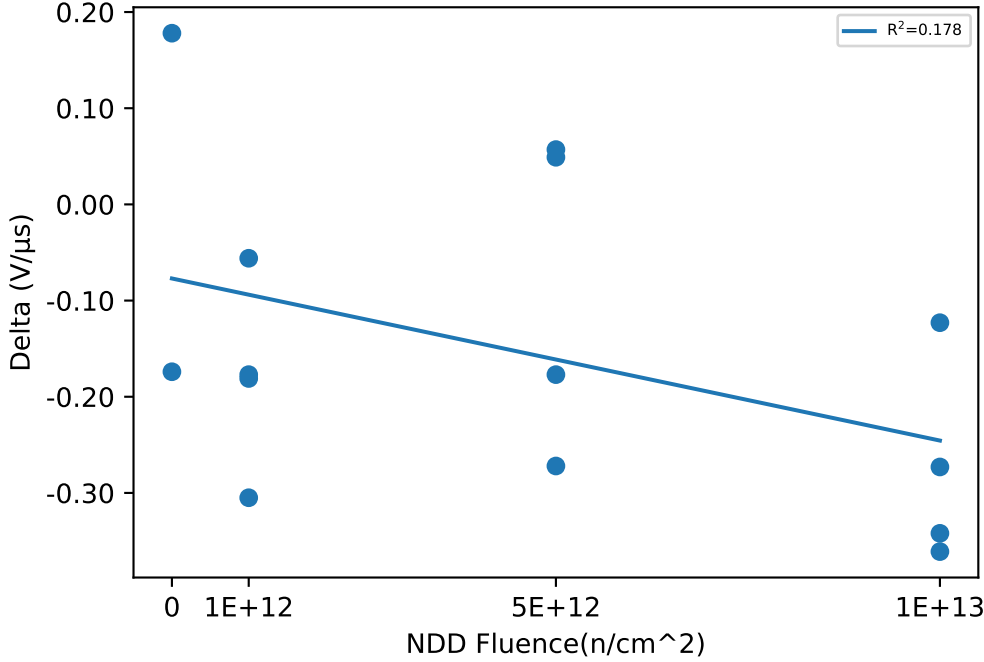
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	32.996	32.822	-0.174
301	0	Correlation	33.581	33.759	0.178
353	1e+12	NDD Unbiased	32.924	32.747	-0.177
354	1e+12	NDD Unbiased	32.61	32.554	-0.056
355	1e+12	NDD Unbiased	33.007	32.826	-0.181
356	1e+12	NDD Unbiased	32.835	32.53	-0.305
357	5e+12	NDD Unbiased	33.139	32.867	-0.272
358	5e+12	NDD Unbiased	32.466	32.515	0.049
359	5e+12	NDD Unbiased	32.675	32.732	0.057
360	5e+12	NDD Unbiased	32.709	32.532	-0.177
361	1e+13	NDD Unbiased	33.349	32.988	-0.361
362	1e+13	NDD Unbiased	32.581	32.308	-0.273
363	1e+13	NDD Unbiased	33.341	33.218	-0.123
364	1e+13	NDD Unbiased	33.291	32.949	-0.342

NDD vs Post - Pre Exposure Delta

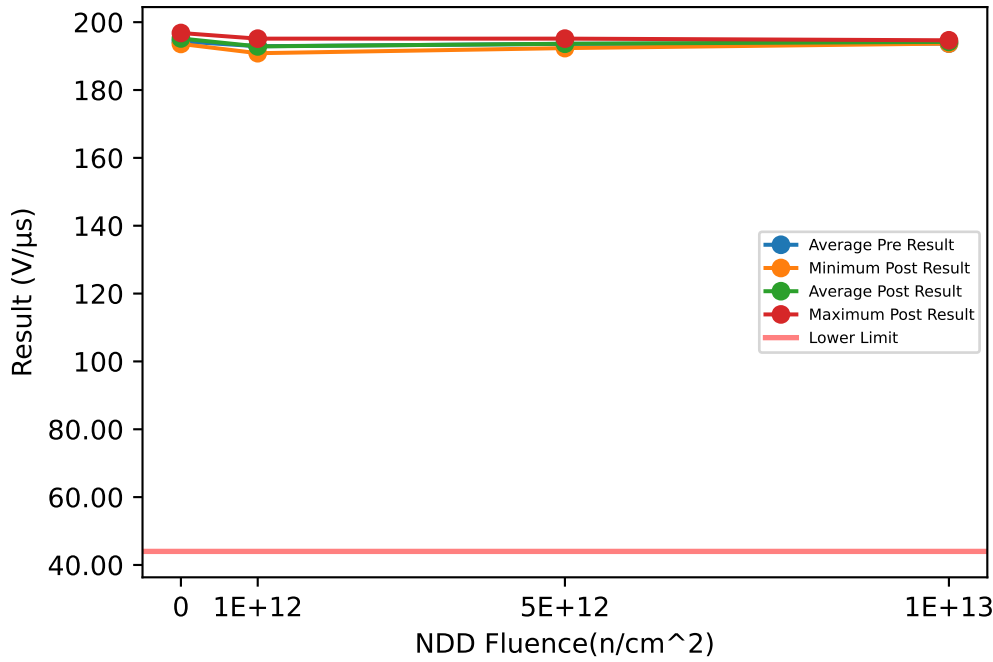


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.996	33.288	33.581	0.41366	32.822	33.291	33.759	0.66256	-0.174	0.002	0.178	0.2489
1e+12	32.61	32.844	33.007	0.17108	32.53	32.664	32.826	0.14513	-0.305	-0.17975	-0.056	0.10167
5e+12	32.466	32.747	33.139	0.2824	32.515	32.661	32.867	0.16875	-0.272	-0.08575	0.057	0.16487
1e+13	32.581	33.141	33.349	0.37388	32.308	32.866	33.218	0.39032	-0.361	-0.27475	-0.123	0.108

Device Test: 19.30 ; RESET_SLEW_RATE_FALL

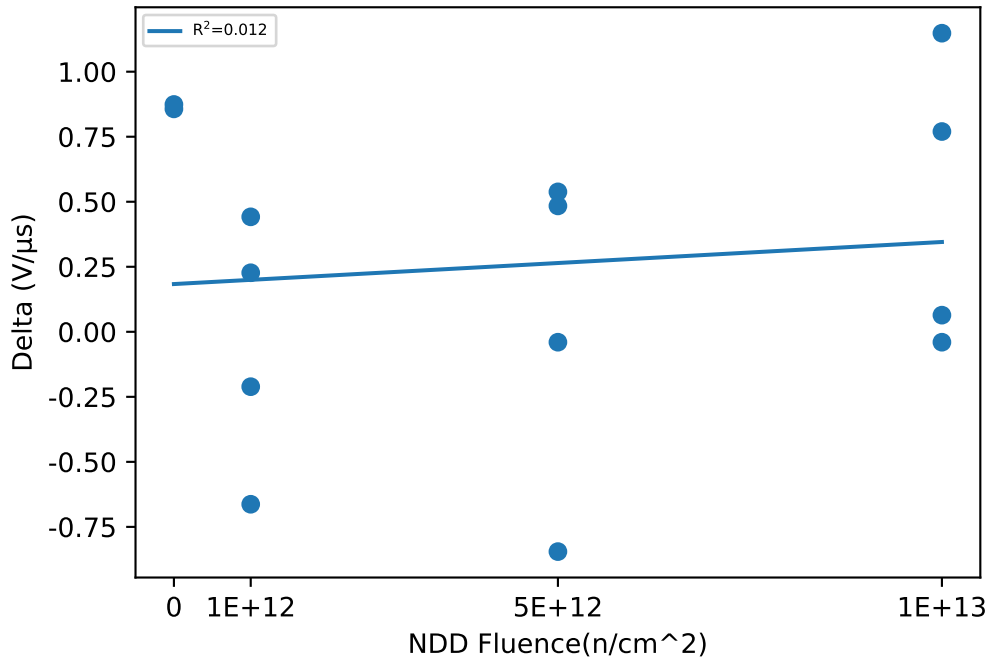
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	192.71	193.59	0.874
301	0	Correlation	195.95	196.81	0.857
353	1e+12	NDD Unbiased	194.7	195.14	0.442
354	1e+12	NDD Unbiased	192.58	192.37	-0.211
355	1e+12	NDD Unbiased	190.63	190.85	0.227
356	1e+12	NDD Unbiased	193.72	193.06	-0.663
357	5e+12	NDD Unbiased	194.39	194.35	-0.04
358	5e+12	NDD Unbiased	191.82	192.36	0.538
359	5e+12	NDD Unbiased	193.56	192.72	-0.845
360	5e+12	NDD Unbiased	194.66	195.15	0.484
361	1e+13	NDD Unbiased	193.55	194.32	0.77
362	1e+13	NDD Unbiased	193.51	194.66	1.148
363	1e+13	NDD Unbiased	194.1	194.06	-0.04
364	1e+13	NDD Unbiased	193.63	193.7	0.064

NDD vs Post - Pre Exposure Delta

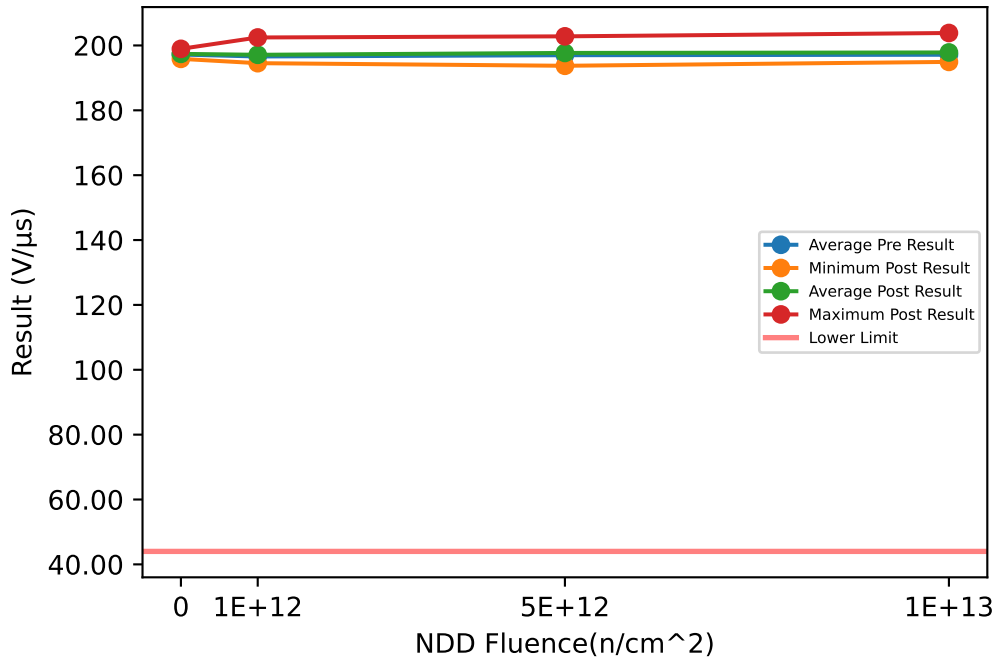


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	192.71	194.33	195.95	2.2917	193.59	195.2	196.81	2.2797	0.857	0.8655	0.874	0.012021
1e+12	190.63	192.91	194.7	1.7509	190.85	192.86	195.14	1.7817	-0.663	-0.05125	0.442	0.49006
5e+12	191.82	193.61	194.66	1.2825	192.36	193.64	195.15	1.3264	-0.845	0.03425	0.538	0.64152
1e+13	193.51	193.7	194.1	0.27183	193.7	194.18	194.66	0.40783	-0.04	0.4855	1.148	0.5697

Device Test: 19.31 ; RESET_SLEW_RATE_FALL

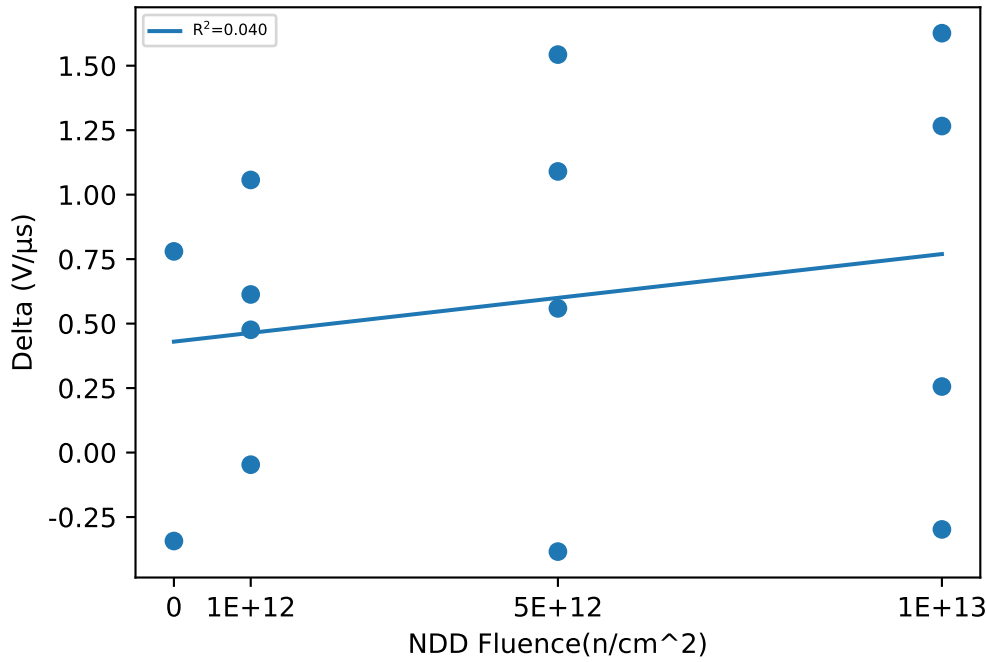
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	196.21	195.87	-0.343
301	0	Correlation	198.17	198.95	0.78
353	1e+12	NDD Unbiased	201.85	202.46	0.613
354	1e+12	NDD Unbiased	196.44	196.92	0.476
355	1e+12	NDD Unbiased	193.48	194.53	1.057
356	1e+12	NDD Unbiased	194.62	194.57	-0.047
357	5e+12	NDD Unbiased	201.26	202.81	1.543
358	5e+12	NDD Unbiased	199.28	200.37	1.09
359	5e+12	NDD Unbiased	194.12	193.73	-0.384
360	5e+12	NDD Unbiased	193.28	193.84	0.559
361	1e+13	NDD Unbiased	195.82	197.09	1.266
362	1e+13	NDD Unbiased	195.82	195.52	-0.298
363	1e+13	NDD Unbiased	194.67	194.93	0.256
364	1e+13	NDD Unbiased	202.21	203.84	1.626

NDD vs Post - Pre Exposure Delta

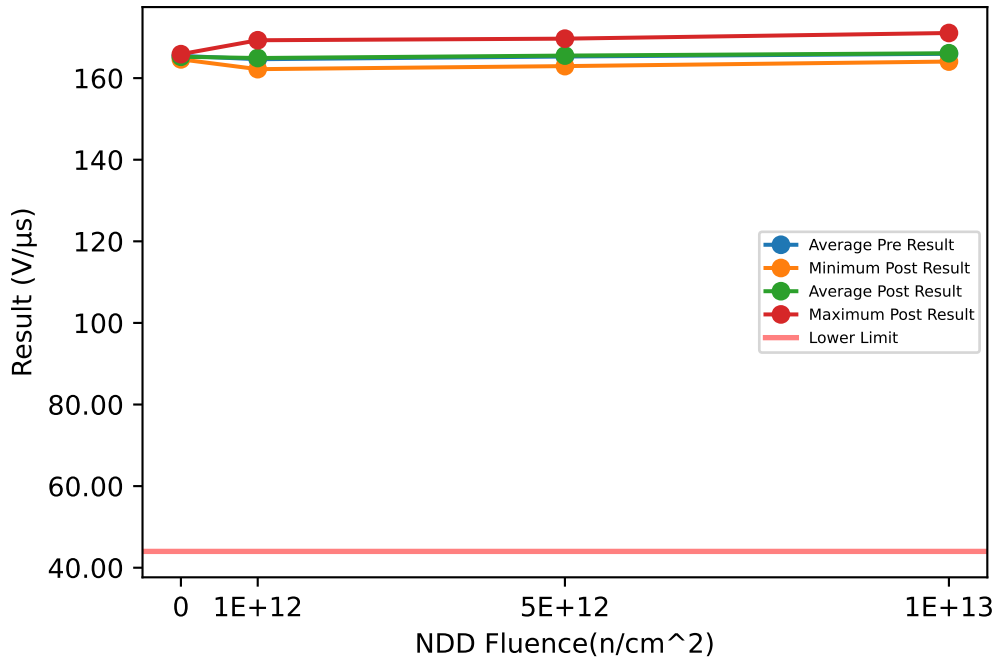


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	196.21	197.19	198.17	1.3873	195.87	197.41	198.95	2.1814	-0.343	0.2185	0.78	0.79408
1e+12	193.48	196.6	201.85	3.7074	194.53	197.12	202.46	3.7299	-0.047	0.52475	1.057	0.45474
5e+12	193.28	196.99	201.26	3.8955	193.73	197.69	202.81	4.6136	-0.384	0.702	1.543	0.82818
1e+13	194.67	197.13	202.21	3.4312	194.93	197.84	203.84	4.0997	-0.298	0.7125	1.626	0.88888

Device Test: 19.32 ; RESET_SLEW_RATE_FALL

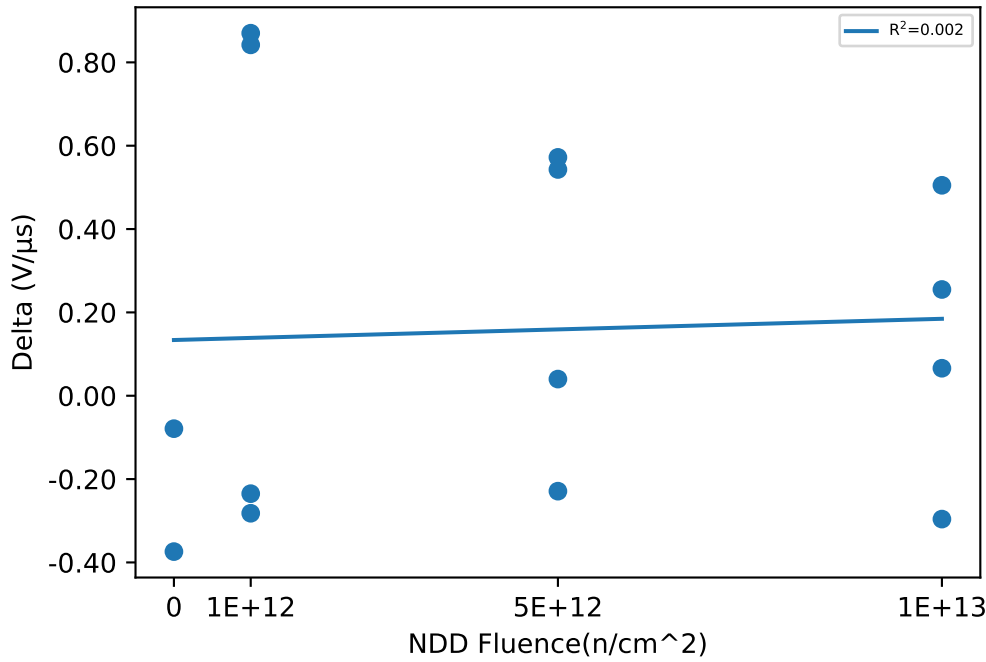
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	164.68	164.6	-0.079
301	0	Correlation	166.25	165.87	-0.374
353	1e+12	NDD Unbiased	168.44	169.28	0.842
354	1e+12	NDD Unbiased	163.67	163.38	-0.282
355	1e+12	NDD Unbiased	162.43	162.2	-0.235
356	1e+12	NDD Unbiased	163.98	164.85	0.87
357	5e+12	NDD Unbiased	169.1	169.67	0.572
358	5e+12	NDD Unbiased	166.66	166.43	-0.229
359	5e+12	NDD Unbiased	163.02	163.06	0.04
360	5e+12	NDD Unbiased	162.4	162.94	0.543
361	1e+13	NDD Unbiased	164.69	164.75	0.066
362	1e+13	NDD Unbiased	164.81	164.52	-0.296
363	1e+13	NDD Unbiased	163.8	164.06	0.255
364	1e+13	NDD Unbiased	170.56	171.06	0.505

NDD vs Post - Pre Exposure Delta

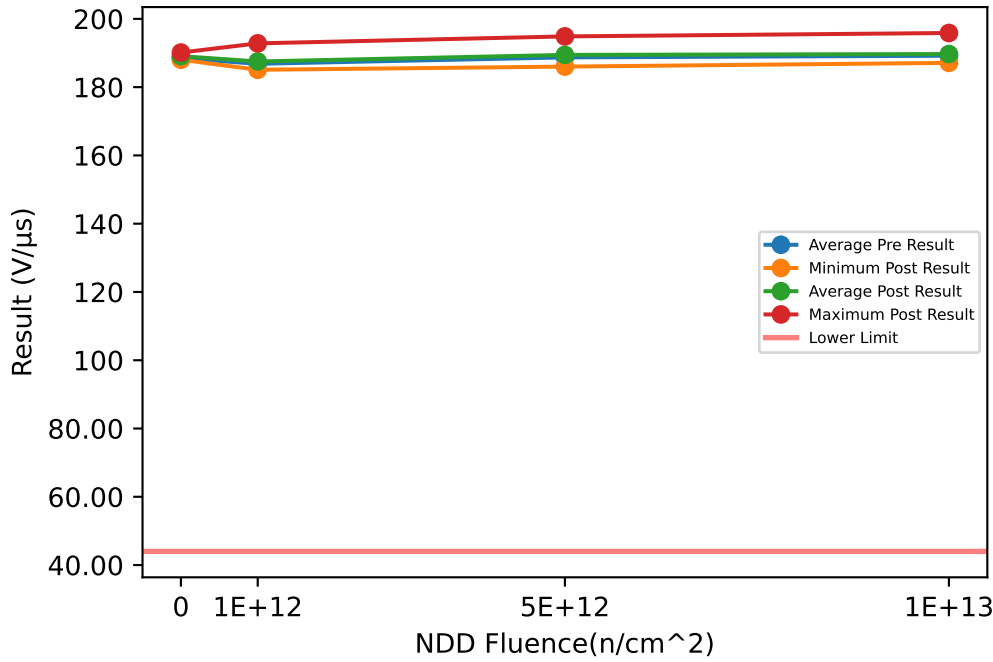


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	164.68	165.46	166.25	1.1109	164.6	165.24	165.87	0.90227	-0.374	-0.2265	-0.079	0.2086
1e+12	162.43	164.63	168.44	2.6268	162.2	164.93	169.28	3.099	-0.282	0.29875	0.87	0.64384
5e+12	162.4	165.29	169.1	3.1568	162.94	165.53	169.67	3.2022	-0.229	0.2315	0.572	0.3923
1e+13	163.8	165.96	170.56	3.0937	164.06	166.1	171.06	3.3218	-0.296	0.1325	0.505	0.33754

Device Test: 19.33 ; RESET_SLEW_RATE_FALL

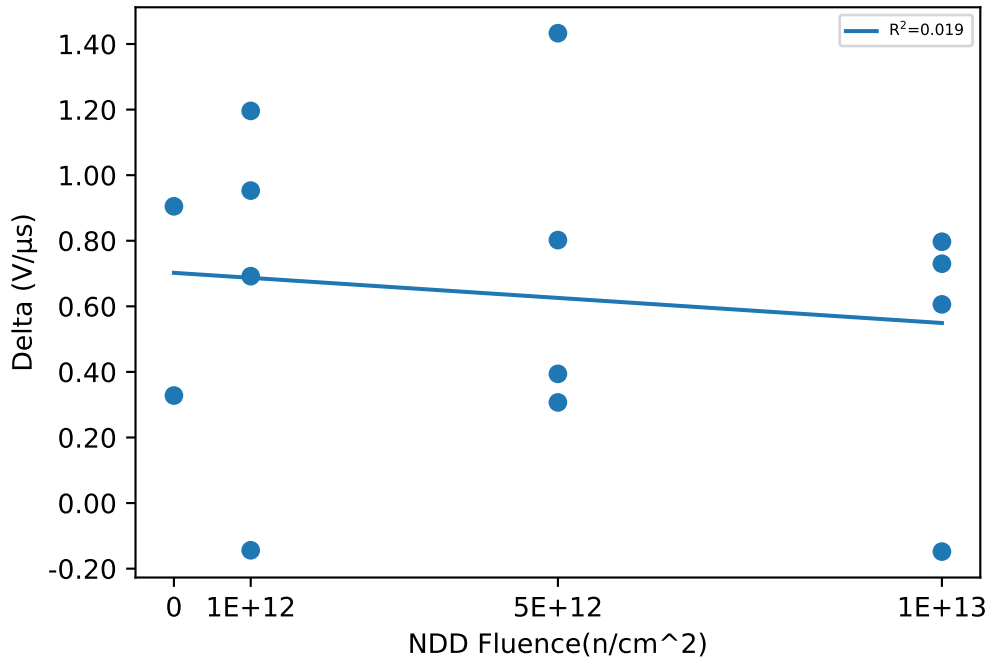
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	187.7	188.03	0.328
301	0	Correlation	189.23	190.14	0.905
353	1e+12	NDD Unbiased	191.63	192.82	1.196
354	1e+12	NDD Unbiased	184.44	185.4	0.953
355	1e+12	NDD Unbiased	185.23	185.08	-0.144
356	1e+12	NDD Unbiased	186.06	186.75	0.692
357	5e+12	NDD Unbiased	193.43	194.86	1.433
358	5e+12	NDD Unbiased	189.17	189.97	0.802
359	5e+12	NDD Unbiased	185.62	186.02	0.394
360	5e+12	NDD Unbiased	186.63	186.94	0.307
361	1e+13	NDD Unbiased	187.19	187.79	0.606
362	1e+13	NDD Unbiased	187.22	188.01	0.797
363	1e+13	NDD Unbiased	186.38	187.12	0.73
364	1e+13	NDD Unbiased	196.01	195.86	-0.148

NDD vs Post - Pre Exposure Delta

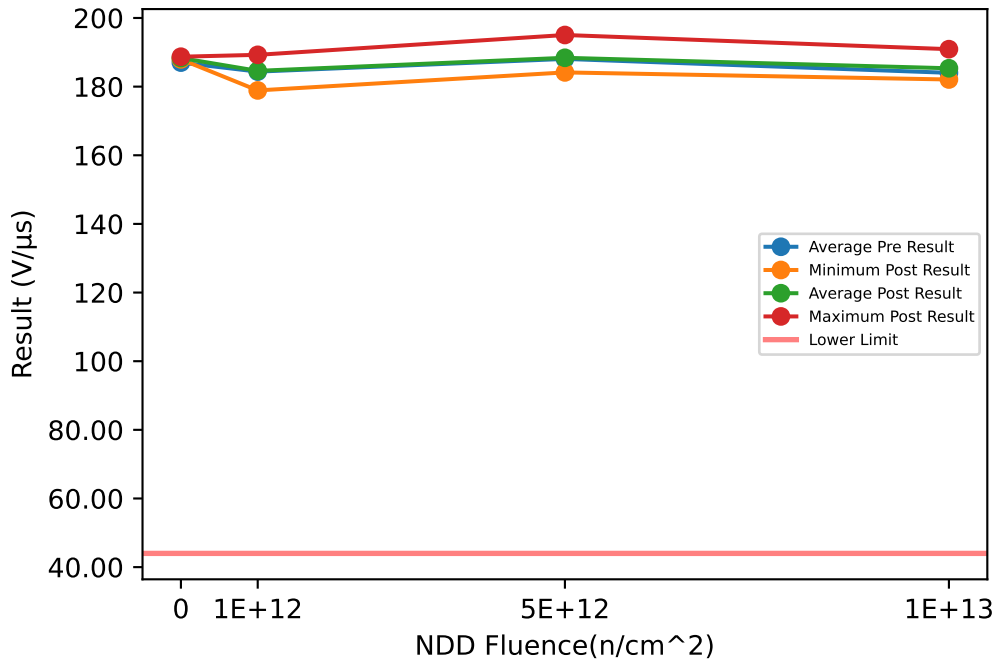


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	187.7	188.47	189.23	1.084	188.03	189.08	190.14	1.492	0.328	0.6165	0.905	0.408
1e+12	184.44	186.84	191.63	3.2601	185.08	187.51	192.82	3.6136	-0.144	0.67425	1.196	0.58303
5e+12	185.62	188.71	193.43	3.4813	186.02	189.45	194.86	3.987	0.307	0.734	1.433	0.51353
1e+13	186.38	189.2	196.01	4.5565	187.12	189.7	195.86	4.1284	-0.148	0.49625	0.797	0.43673

Device Test: 19.34 ; PWRGD_SLEW_RATE_FALL

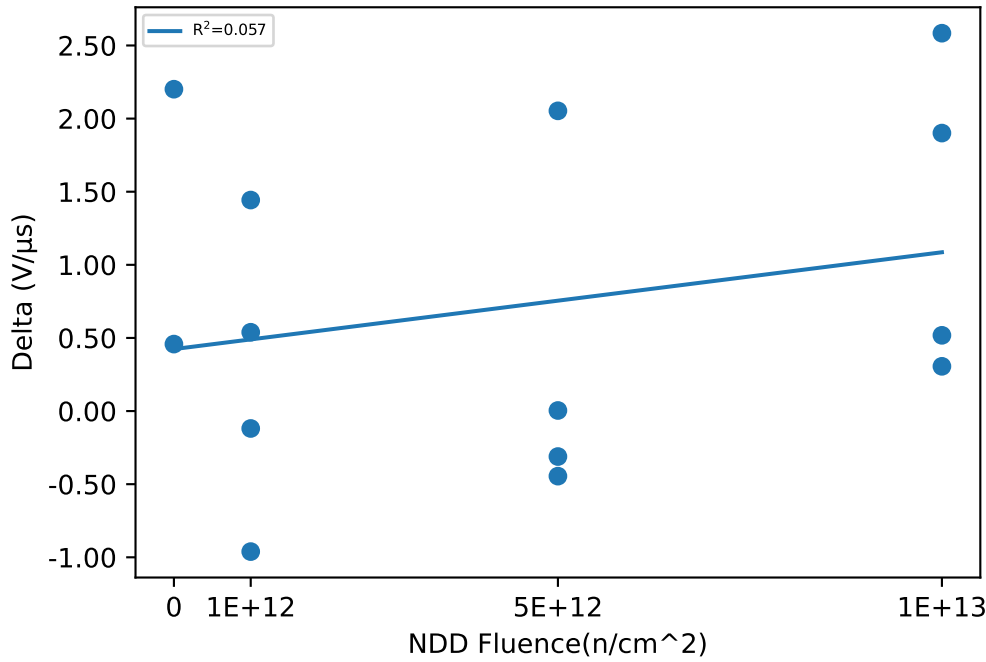
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	186.51	188.72	2.201
301	0	Correlation	187.49	187.94	0.458
353	1e+12	NDD Unbiased	187.82	189.26	1.443
354	1e+12	NDD Unbiased	184.07	184.6	0.539
355	1e+12	NDD Unbiased	179.85	178.89	-0.961
356	1e+12	NDD Unbiased	185.75	185.63	-0.119
357	5e+12	NDD Unbiased	195.49	195.04	-0.445
358	5e+12	NDD Unbiased	186.05	188.1	2.053
359	5e+12	NDD Unbiased	184.45	184.14	-0.311
360	5e+12	NDD Unbiased	186.31	186.32	0.004
361	1e+13	NDD Unbiased	184.2	186.1	1.901
362	1e+13	NDD Unbiased	179.49	182.08	2.584
363	1e+13	NDD Unbiased	181.99	182.3	0.306
364	1e+13	NDD Unbiased	190.4	190.91	0.518

NDD vs Post - Pre Exposure Delta

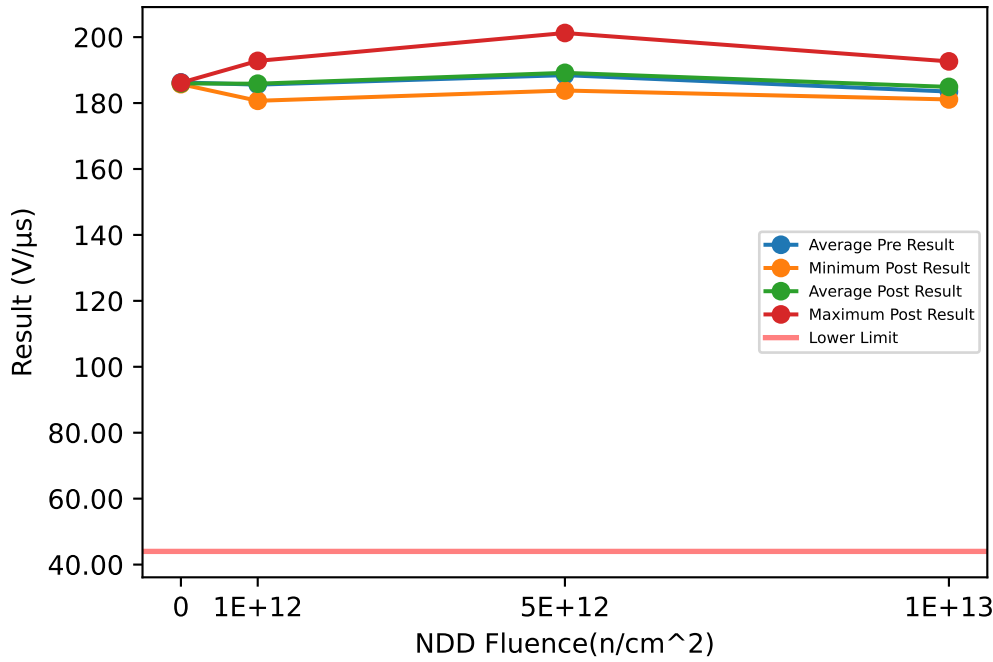


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	186.51	187	187.49	0.6866	187.94	188.33	188.72	0.54589	0.458	1.3295	2.201	1.2325
1e+12	179.85	184.37	187.82	3.3798	178.89	184.6	189.26	4.2953	-0.961	0.2255	1.443	1.0177
5e+12	184.45	188.08	195.49	5.0089	184.14	188.4	195.04	4.7149	-0.445	0.32525	2.053	1.1671
1e+13	179.49	184.02	190.4	4.6645	182.08	185.35	190.91	4.1443	0.306	1.3273	2.584	1.0964

Device Test: 19.35 ; WDO_SLEW_RATE_FALL

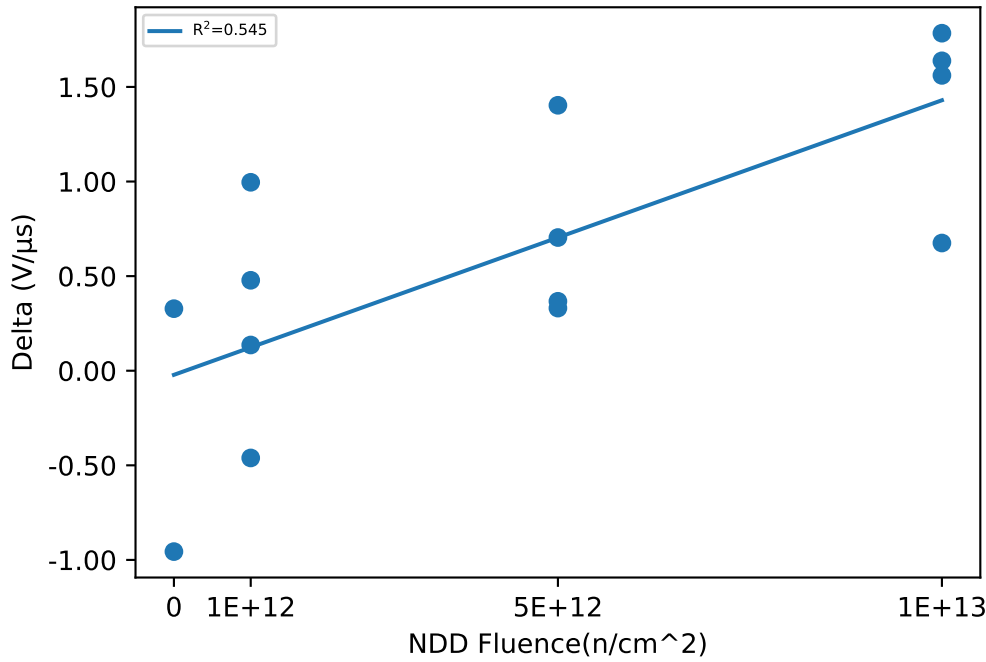
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	186.68	185.73	-0.956
301	0	Correlation	185.85	186.18	0.328
353	1e+12	NDD Unbiased	192.31	192.79	0.478
354	1e+12	NDD Unbiased	185.3	185.44	0.136
355	1e+12	NDD Unbiased	181.15	180.68	-0.461
356	1e+12	NDD Unbiased	183.57	184.57	0.996
357	5e+12	NDD Unbiased	200.55	201.25	0.704
358	5e+12	NDD Unbiased	185.41	185.78	0.367
359	5e+12	NDD Unbiased	182.4	183.8	1.403
360	5e+12	NDD Unbiased	185.51	185.84	0.331
361	1e+13	NDD Unbiased	182.29	182.97	0.675
362	1e+13	NDD Unbiased	179.46	181.09	1.638
363	1e+13	NDD Unbiased	181.11	182.89	1.784
364	1e+13	NDD Unbiased	191.08	192.64	1.561

NDD vs Post - Pre Exposure Delta

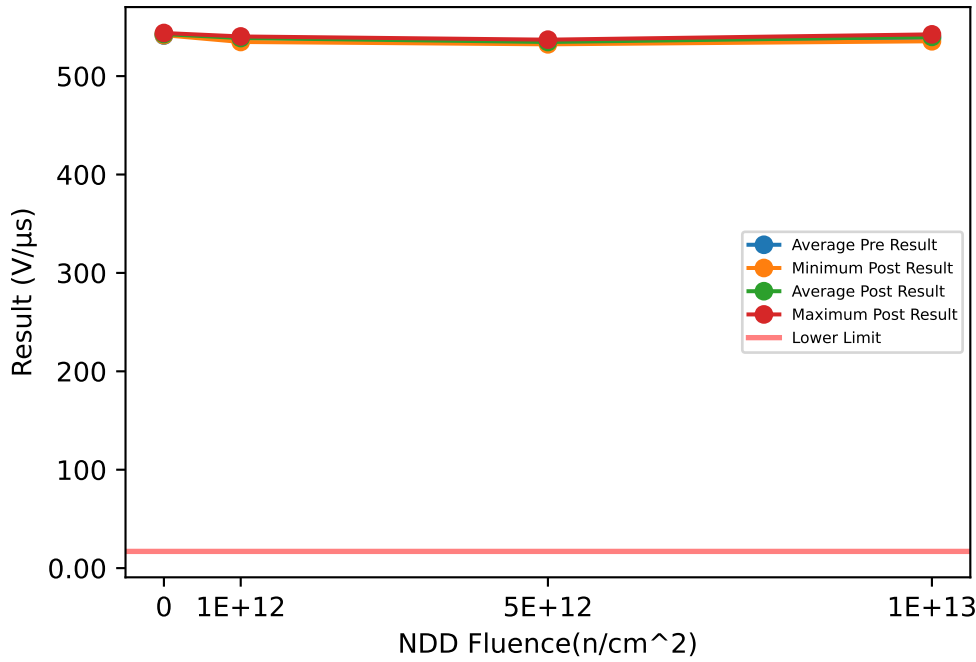


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	185.85	186.27	186.68	0.58831	185.73	185.95	186.18	0.31961	-0.956	-0.314	0.328	0.90793
1e+12	181.15	185.58	192.31	4.7995	180.68	185.87	192.79	5.0554	-0.461	0.28725	0.996	0.61141
5e+12	182.4	188.47	200.55	8.1829	183.8	189.17	201.25	8.1118	0.331	0.70125	1.403	0.49708
1e+13	179.46	183.49	191.08	5.1964	181.09	184.9	192.64	5.2344	0.675	1.4145	1.784	0.5016

Device Test: 19.36 ; RESET_SLEW_RATE_RISE

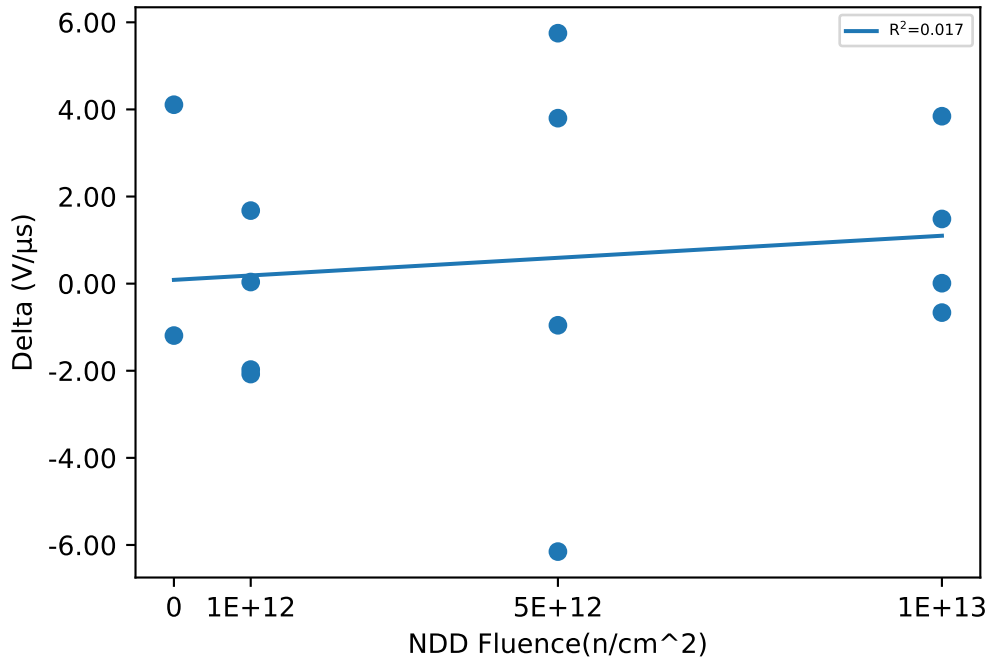
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	537.47	541.58	4.108
301	0	Correlation	545.01	543.82	-1.192
353	1e+12	NDD Unbiased	539.66	539.7	0.037
354	1e+12	NDD Unbiased	542.29	540.31	-1.973
355	1e+12	NDD Unbiased	536.75	534.68	-2.076
356	1e+12	NDD Unbiased	538.4	540.08	1.677
357	5e+12	NDD Unbiased	538	537.04	-0.956
358	5e+12	NDD Unbiased	528.24	533.99	5.75
359	5e+12	NDD Unbiased	538.44	532.29	-6.152
360	5e+12	NDD Unbiased	531.54	535.34	3.799
361	1e+13	NDD Unbiased	535.38	535.39	0.01
362	1e+13	NDD Unbiased	537.55	541.4	3.844
363	1e+13	NDD Unbiased	540.9	540.23	-0.665
364	1e+13	NDD Unbiased	540.95	542.43	1.485

NDD vs Post - Pre Exposure Delta

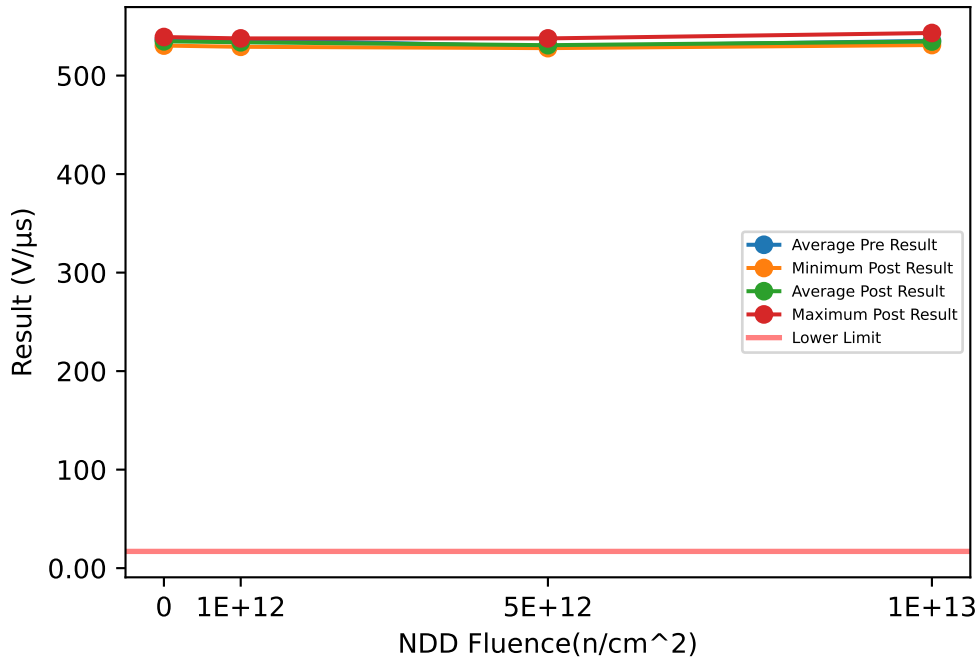


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	537.47	541.24	545.01	5.3295	541.58	542.7	543.82	1.5818	-1.192	1.458	4.108	3.7477
1e+12	536.75	539.28	542.29	2.3331	534.68	538.69	540.31	2.6876	-2.076	-0.58375	1.677	1.7938
5e+12	528.24	534.05	538.44	4.9975	532.29	534.66	537.04	2.0168	-6.152	0.61025	5.75	5.3156
1e+13	535.38	538.69	540.95	2.7223	535.39	539.86	542.43	3.1155	-0.665	1.1685	3.844	1.9969

Device Test: 19.37 ; RESET_SLEW_RATE_RISE

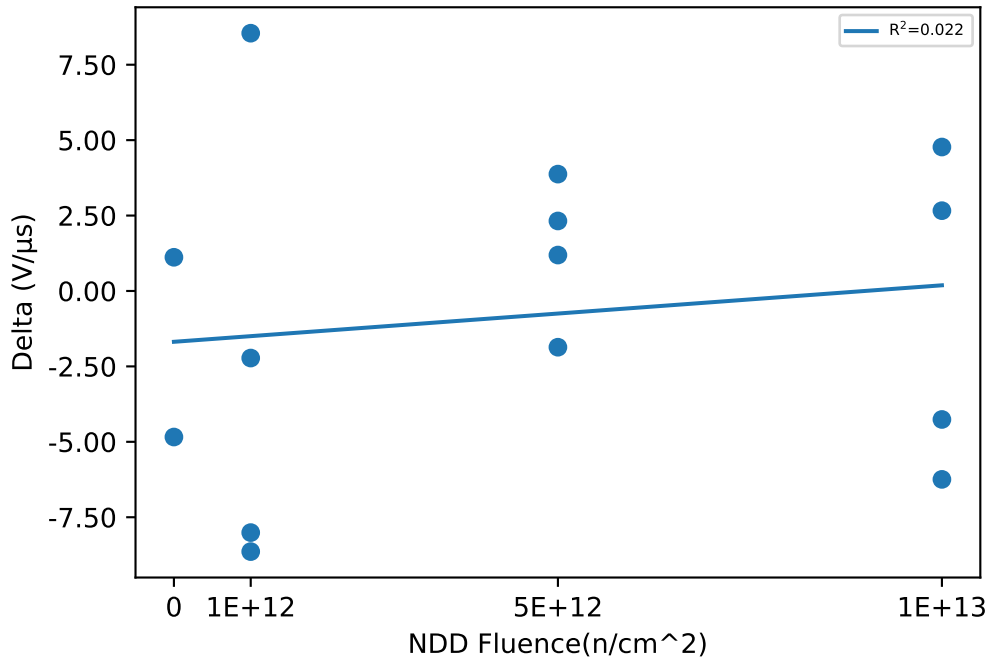
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	529.35	530.46	1.117
301	0	Correlation	543.98	539.14	-4.841
353	1e+12	NDD Unbiased	529.19	537.74	8.545
354	1e+12	NDD Unbiased	538.91	530.91	-8.009
355	1e+12	NDD Unbiased	539.52	537.29	-2.223
356	1e+12	NDD Unbiased	537.85	529.21	-8.639
357	5e+12	NDD Unbiased	535.42	537.75	2.321
358	5e+12	NDD Unbiased	525.55	529.42	3.874
359	5e+12	NDD Unbiased	530.28	528.41	-1.864
360	5e+12	NDD Unbiased	526.66	527.85	1.191
361	1e+13	NDD Unbiased	537.25	531	-6.245
362	1e+13	NDD Unbiased	527.63	532.41	4.772
363	1e+13	NDD Unbiased	535.91	531.65	-4.259
364	1e+13	NDD Unbiased	540.57	543.23	2.662

NDD vs Post - Pre Exposure Delta

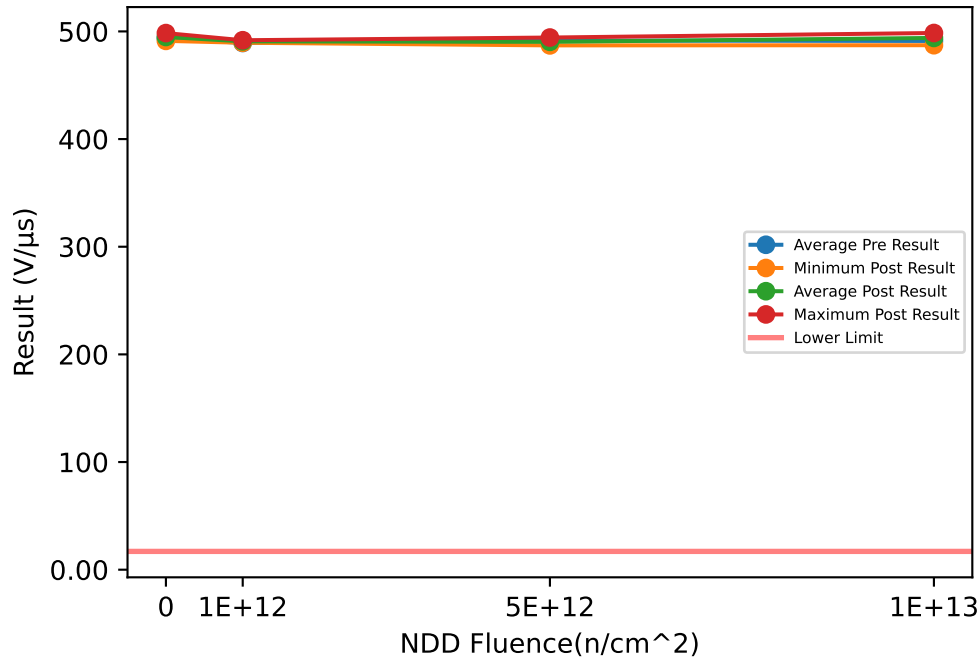


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	529.35	536.66	543.98	10.349	530.46	534.8	539.14	6.1363	-4.841	-1.862	1.117	4.2129
1e+12	529.19	536.37	539.52	4.8326	529.21	533.79	537.74	4.3657	-8.639	-2.5815	8.545	7.9599
5e+12	525.55	529.48	535.42	4.4484	527.85	530.86	537.75	4.6371	-1.864	1.3805	3.874	2.4266
1e+13	527.63	535.34	540.57	5.4976	531	534.57	543.23	5.7995	-6.245	-0.7675	4.772	5.3117

Device Test: 19.38 ; RESET_SLEW_RATE_RISE

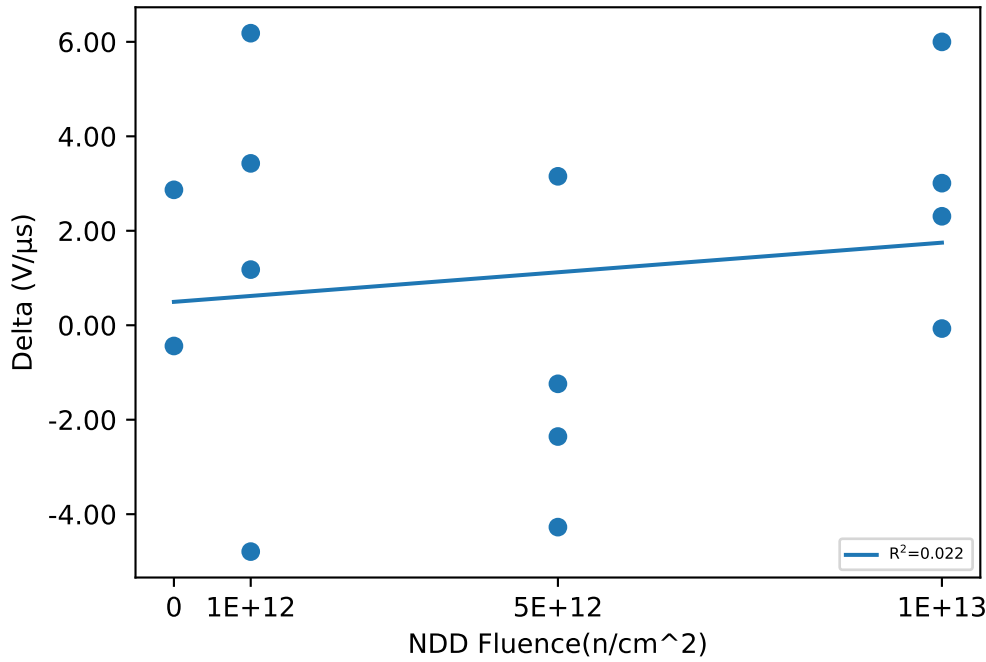
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	488.34	491.2	2.867
301	0	Correlation	498.89	498.45	-0.439
353	1e+12	NDD Unbiased	494.25	489.45	-4.792
354	1e+12	NDD Unbiased	489.12	490.3	1.178
355	1e+12	NDD Unbiased	488.07	491.5	3.427
356	1e+12	NDD Unbiased	485.63	491.81	6.183
357	5e+12	NDD Unbiased	493.55	491.19	-2.356
358	5e+12	NDD Unbiased	490	488.76	-1.24
359	5e+12	NDD Unbiased	491.16	494.32	3.153
360	5e+12	NDD Unbiased	491.3	487.02	-4.274
361	1e+13	NDD Unbiased	489.41	495.41	5.999
362	1e+13	NDD Unbiased	487.26	487.19	-0.07
363	1e+13	NDD Unbiased	492.36	494.67	2.307
364	1e+13	NDD Unbiased	495.52	498.53	3.008

NDD vs Post - Pre Exposure Delta

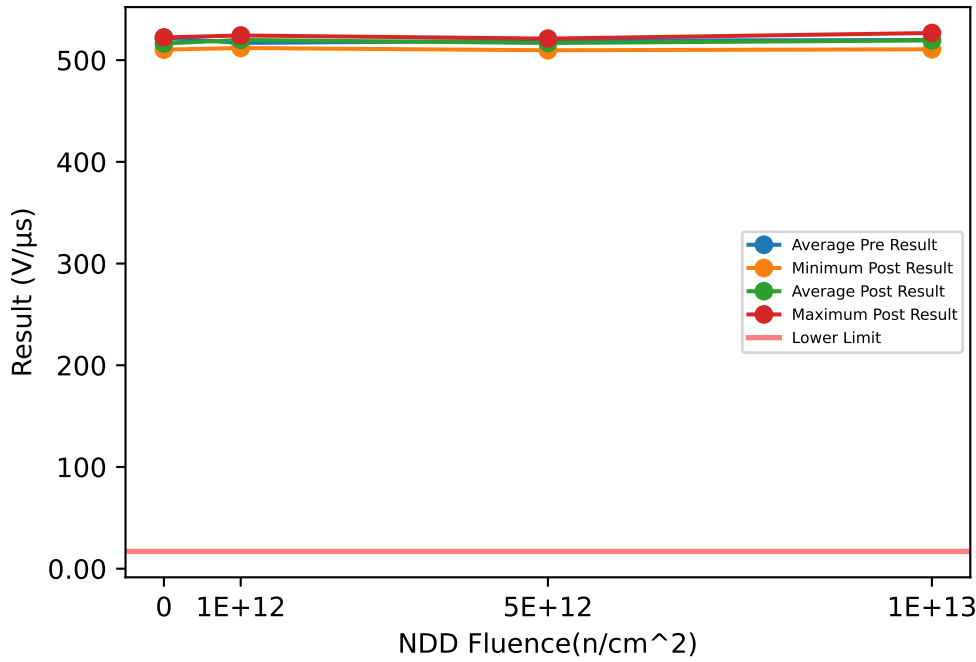


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	488.34	493.61	498.89	7.4586	491.2	494.83	498.45	5.1209	-0.439	1.214	2.867	2.3377
1e+12	485.63	489.27	494.25	3.627	489.45	490.77	491.81	1.0915	-4.792	1.499	6.183	4.6668
5e+12	490	491.5	493.55	1.4823	487.02	490.32	494.32	3.1645	-4.274	-1.1793	3.153	3.1482
1e+13	487.26	491.14	495.52	3.5959	487.19	493.95	498.53	4.8091	-0.07	2.811	5.999	2.5004

Device Test: 19.39 ; RESET_SLEW_RATE_RISE

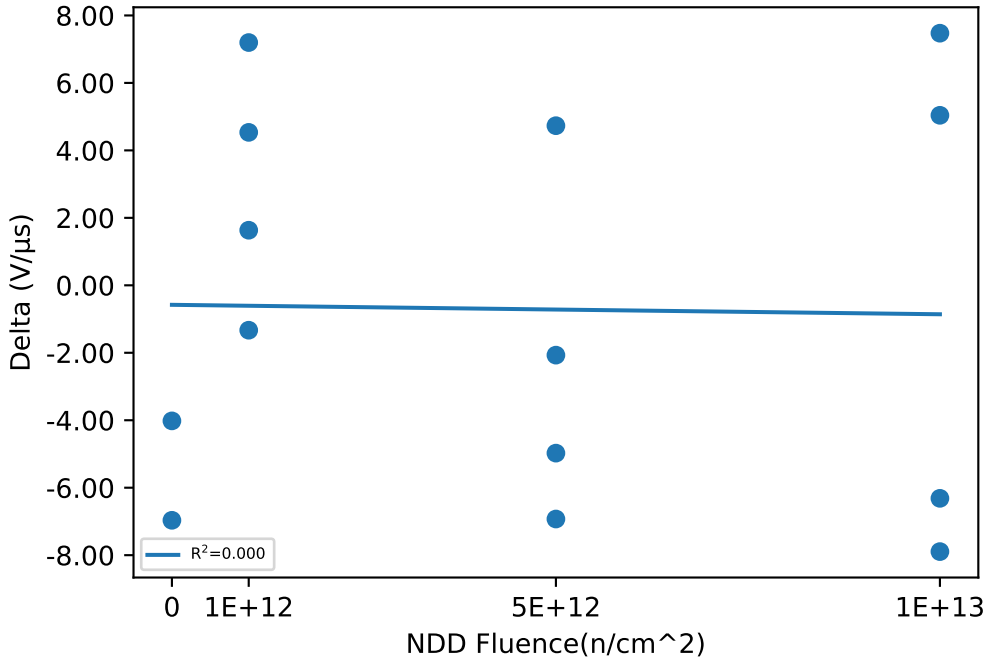
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	514.35	510.33	-4.019
301	0	Correlation	529.29	522.32	-6.966
353	1e+12	NDD Unbiased	516.25	523.45	7.197
354	1e+12	NDD Unbiased	522.63	524.27	1.633
355	1e+12	NDD Unbiased	515.36	519.9	4.534
356	1e+12	NDD Unbiased	513.29	511.96	-1.331
357	5e+12	NDD Unbiased	522.75	520.67	-2.07
358	5e+12	NDD Unbiased	516.44	521.17	4.732
359	5e+12	NDD Unbiased	514.71	509.73	-4.975
360	5e+12	NDD Unbiased	522.66	515.73	-6.928
361	1e+13	NDD Unbiased	523.52	517.2	-6.315
362	1e+13	NDD Unbiased	518.58	510.68	-7.894
363	1e+13	NDD Unbiased	517.99	523.03	5.04
364	1e+13	NDD Unbiased	519.22	526.69	7.474

NDD vs Post - Pre Exposure Delta

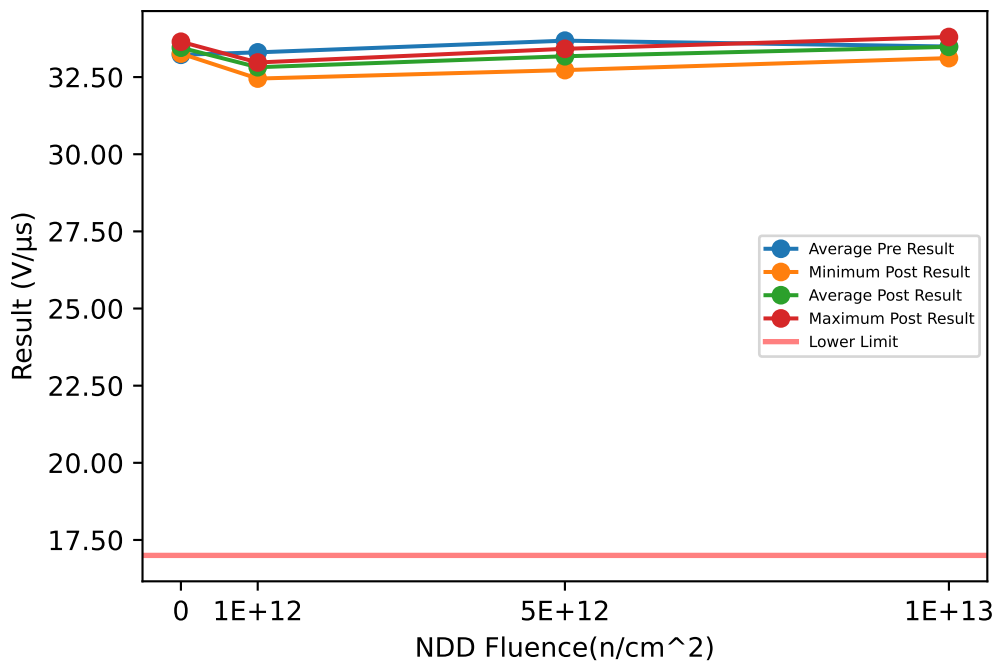


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	514.35	521.82	529.29	10.562	510.33	516.33	522.32	8.4782	-6.966	-5.4925	-4.019	2.0838
1e+12	513.29	516.88	522.63	4.0293	511.96	519.89	524.27	5.6197	-1.331	3.0083	7.197	3.6785
5e+12	514.71	519.14	522.75	4.1767	509.73	516.83	521.17	5.3296	-6.928	-2.3102	4.732	5.1015
1e+13	517.99	519.83	523.52	2.5118	510.68	519.4	526.69	7.0032	-7.894	-0.42375	7.474	7.8047

Device Test: 19.4 ; PWRGD_SLEW_RATE_RISE

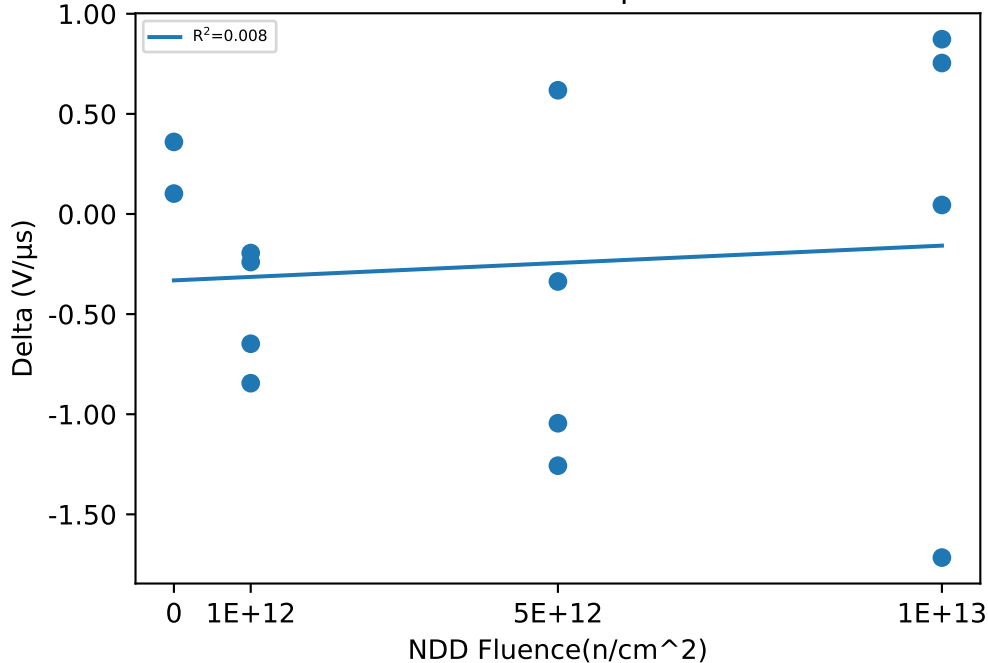
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	33.16	33.262	0.102
301	0	Correlation	33.285	33.645	0.36
353	1e+12	NDD Unbiased	33.137	32.942	-0.195
354	1e+12	NDD Unbiased	33.15	32.91	-0.24
355	1e+12	NDD Unbiased	33.297	32.452	-0.845
356	1e+12	NDD Unbiased	33.621	32.973	-0.648
357	5e+12	NDD Unbiased	32.795	33.413	0.618
358	5e+12	NDD Unbiased	33.063	32.726	-0.337
359	5e+12	NDD Unbiased	34.461	33.416	-1.045
360	5e+12	NDD Unbiased	34.402	33.145	-1.257
361	1e+13	NDD Unbiased	34.831	33.115	-1.716
362	1e+13	NDD Unbiased	32.902	33.656	0.754
363	1e+13	NDD Unbiased	33.303	33.348	0.045
364	1e+13	NDD Unbiased	32.926	33.799	0.873

NDD vs Post - Pre Exposure Delta

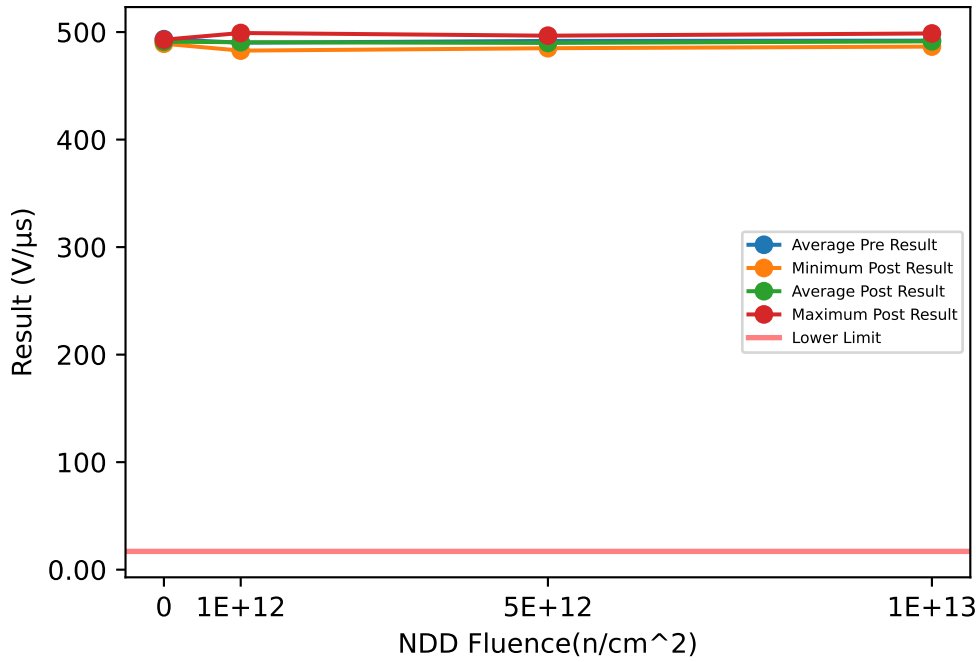


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	33.16	33.222	33.285	0.088388	33.262	33.454	33.645	0.27082	0.102	0.231	0.36	0.18243
1e+12	33.137	33.301	33.621	0.22518	32.452	32.819	32.973	0.24618	-0.845	-0.482	-0.195	0.31636
5e+12	32.795	33.68	34.461	0.87467	32.726	33.175	33.416	0.32518	-1.257	-0.50525	0.618	0.84586
1e+13	32.902	33.49	34.831	0.91234	33.115	33.48	33.799	0.30735	-1.716	-0.011	0.873	1.194

Device Test: 19.40 ; PWRGD_SLEW_RATE_RISE

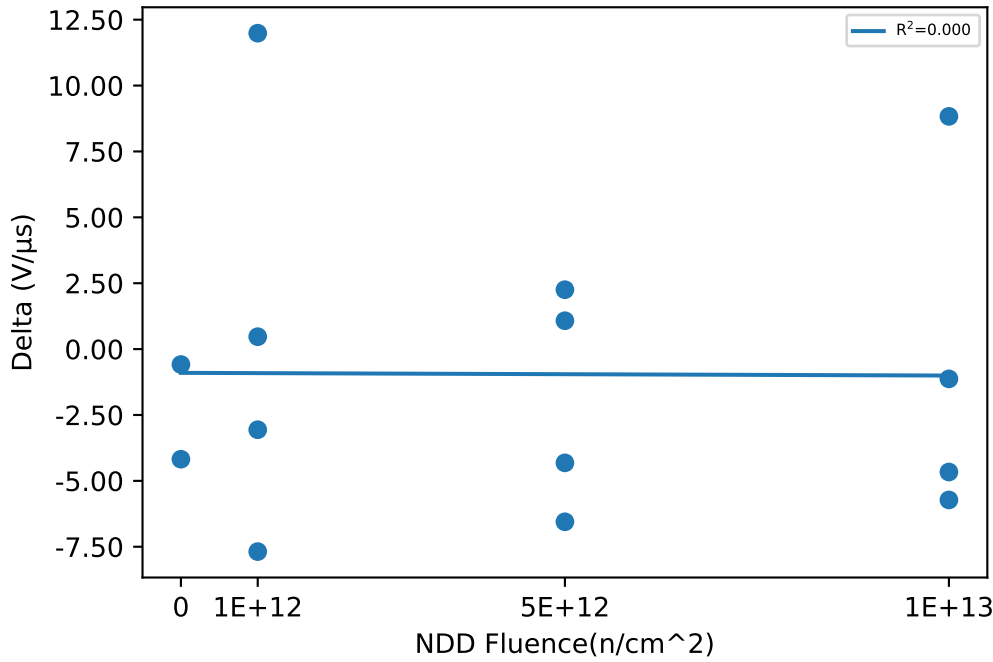
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	493.48	492.89	-0.585
301	0	Correlation	493.33	489.16	-4.178
353	1e+12	NDD Unbiased	489.57	490.05	0.471
354	1e+12	NDD Unbiased	487.14	499.13	11.987
355	1e+12	NDD Unbiased	493.28	490.22	-3.06
356	1e+12	NDD Unbiased	490.43	482.74	-7.684
357	5e+12	NDD Unbiased	495.56	496.63	1.077
358	5e+12	NDD Unbiased	492.4	488.08	-4.317
359	5e+12	NDD Unbiased	487.61	489.86	2.254
360	5e+12	NDD Unbiased	491.52	484.97	-6.553
361	1e+13	NDD Unbiased	489.88	498.71	8.831
362	1e+13	NDD Unbiased	487.62	486.49	-1.13
363	1e+13	NDD Unbiased	496.03	491.37	-4.664
364	1e+13	NDD Unbiased	494.63	488.91	-5.724

NDD vs Post - Pre Exposure Delta

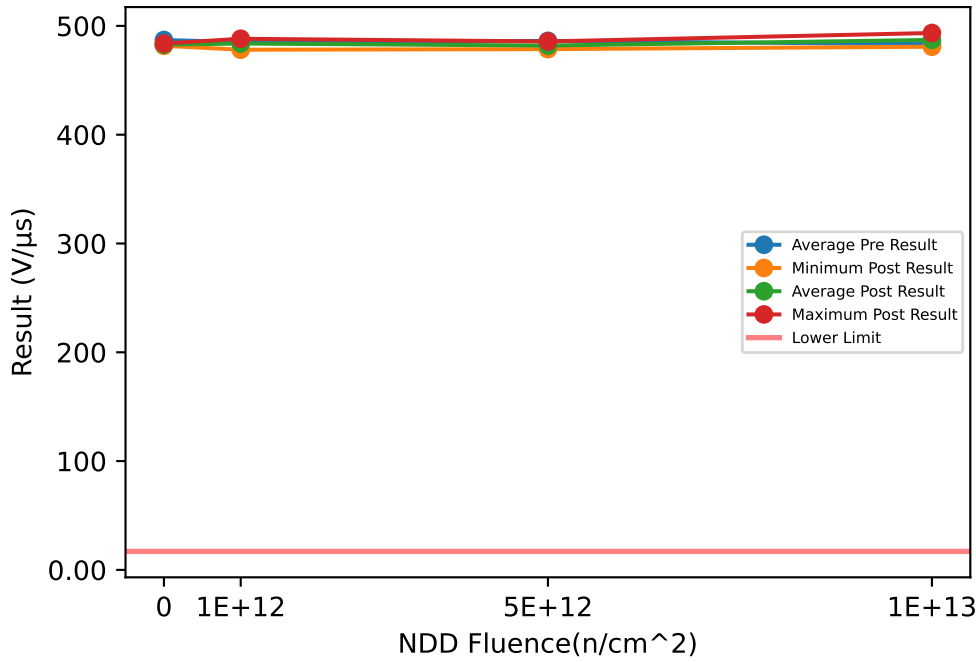


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	493.33	493.41	493.48	0.10112	489.16	491.02	492.89	2.6418	-4.178	-2.3815	-0.585	2.5406
1e+12	487.14	490.11	493.28	2.532	482.74	490.54	499.13	6.7076	-7.684	0.4285	11.987	8.3981
5e+12	487.61	491.77	495.56	3.2736	484.97	489.89	496.63	4.9318	-6.553	-1.8848	2.254	4.2273
1e+13	487.62	492.04	496.03	3.9538	486.49	491.37	498.71	5.2835	-5.724	-0.67175	8.831	6.6326

Device Test: 19.41 ; WDO_SLEW_RATE_RISE

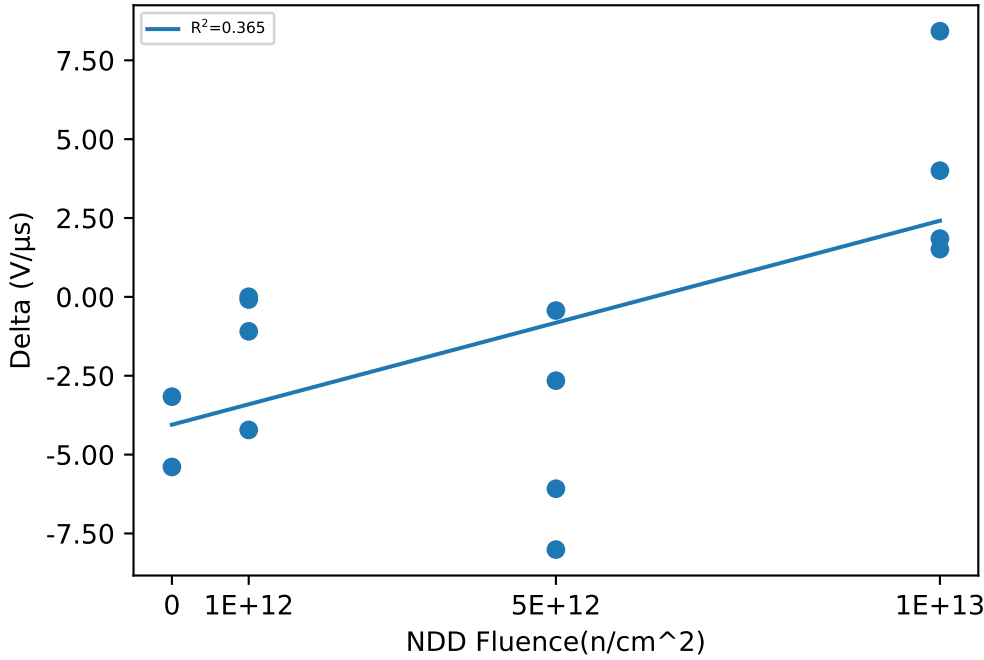
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	484.89	481.73	-3.164
301	0	Correlation	489.18	483.79	-5.392
353	1e+12	NDD Unbiased	482.91	482.82	-0.085
354	1e+12	NDD Unbiased	488.17	488.18	0.004
355	1e+12	NDD Unbiased	487.14	486.05	-1.093
356	1e+12	NDD Unbiased	482.32	478.1	-4.219
357	5e+12	NDD Unbiased	491.79	485.71	-6.082
358	5e+12	NDD Unbiased	486.67	478.65	-8.012
359	5e+12	NDD Unbiased	486.51	483.86	-2.656
360	5e+12	NDD Unbiased	479.9	479.47	-0.433
361	1e+13	NDD Unbiased	488.82	490.33	1.514
362	1e+13	NDD Unbiased	476.86	480.86	4.002
363	1e+13	NDD Unbiased	485.05	493.47	8.423
364	1e+13	NDD Unbiased	482.01	483.86	1.848

NDD vs Post - Pre Exposure Delta

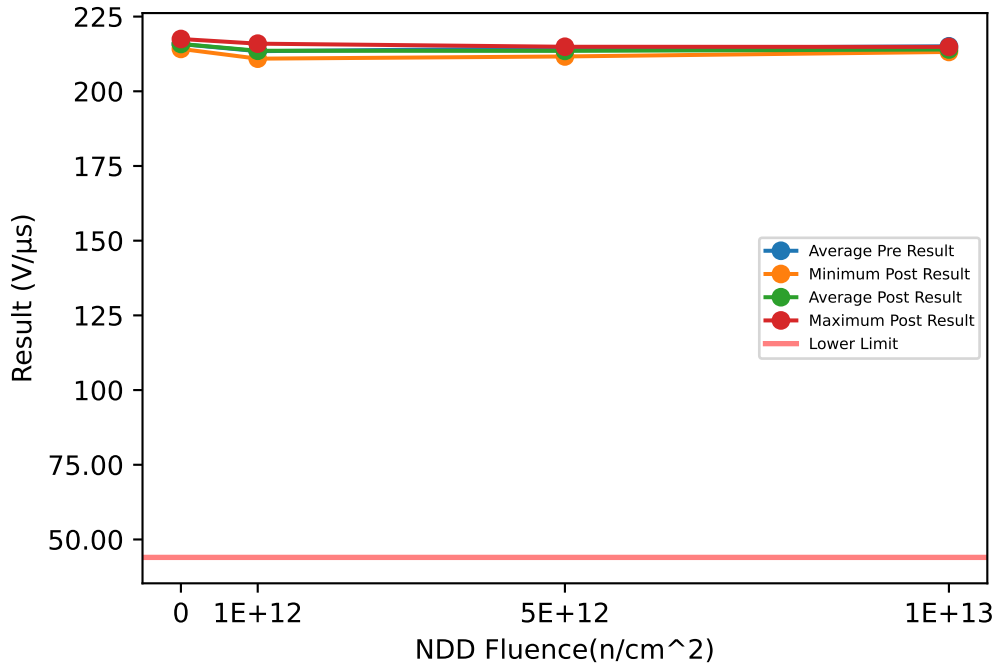


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	484.89	487.04	489.18	3.03	481.73	482.76	483.79	1.4545	-5.392	-4.278	-3.164	1.5754
1e+12	482.32	485.14	488.17	2.9534	478.1	483.79	488.18	4.3856	-4.219	-1.3482	0.004	1.9774
5e+12	479.9	486.22	491.79	4.875	478.65	481.92	485.71	3.4064	-8.012	-4.2957	-0.433	3.3966
1e+13	476.86	483.18	488.2	5.0551	480.86	487.13	493.47	5.7894	1.514	3.9467	8.423	3.1813

Device Test: 19.42 ; RESET_SLEW_RATE_FALL

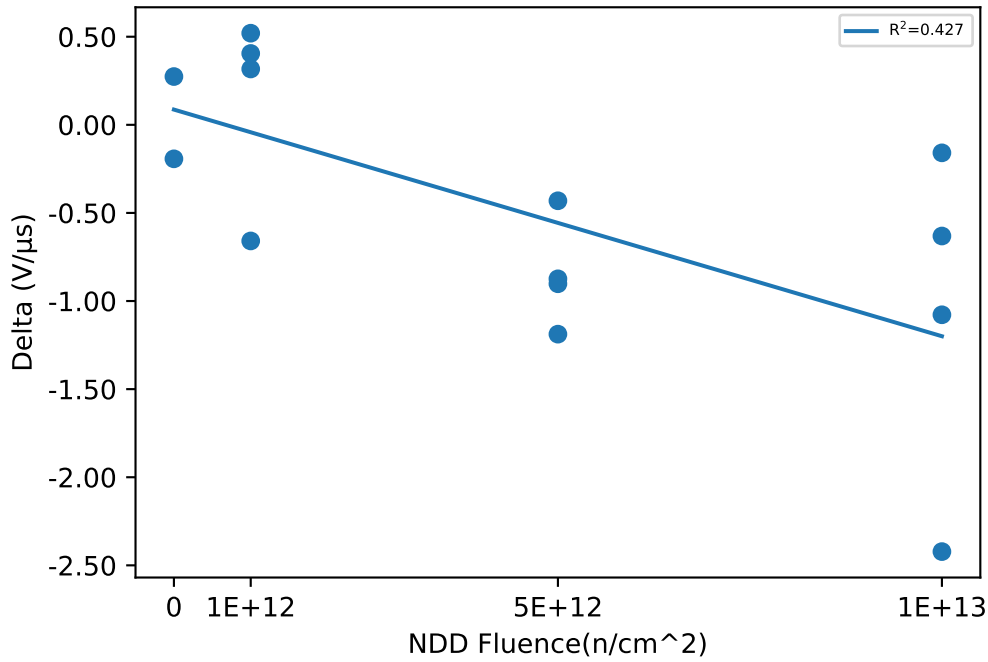
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	213.91	214.18	0.274
301	0	Correlation	217.69	217.5	-0.193
353	1e+12	NDD Unbiased	215.42	215.94	0.52
354	1e+12	NDD Unbiased	213.5	213.81	0.317
355	1e+12	NDD Unbiased	210.51	210.92	0.405
356	1e+12	NDD Unbiased	214.26	213.6	-0.659
357	5e+12	NDD Unbiased	214.43	213.25	-1.188
358	5e+12	NDD Unbiased	212.56	211.66	-0.902
359	5e+12	NDD Unbiased	215.16	214.29	-0.874
360	5e+12	NDD Unbiased	215.33	214.9	-0.431
361	1e+13	NDD Unbiased	216.5	214.08	-2.422
362	1e+13	NDD Unbiased	213.32	213.17	-0.159
363	1e+13	NDD Unbiased	215.94	214.86	-1.078
364	1e+13	NDD Unbiased	214.48	213.85	-0.631

NDD vs Post - Pre Exposure Delta

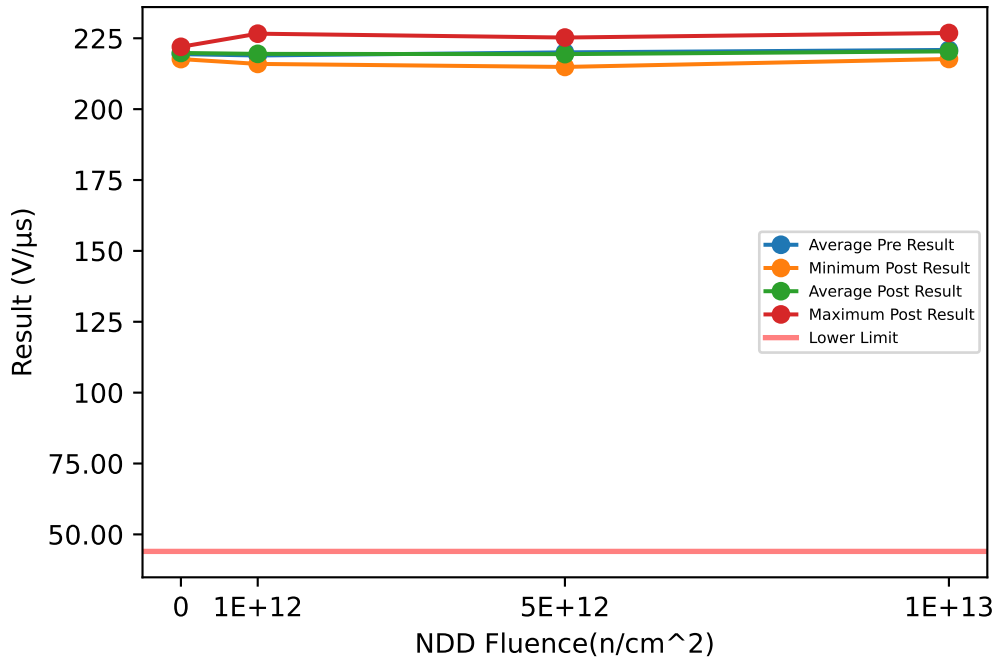


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	213.91	215.8	217.69	2.6764	214.18	215.84	217.5	2.3462	-0.193	0.0405	0.274	0.33022
1e+12	210.51	213.42	215.42	2.0936	210.92	213.57	215.94	2.0571	-0.659	0.14575	0.52	0.5429
5e+12	212.56	214.37	215.33	1.2709	211.66	213.52	214.9	1.4205	-1.188	-0.84875	-0.431	0.31256
1e+13	213.32	215.06	216.5	1.436	213.17	213.99	214.86	0.69711	-2.422	-1.0725	-0.159	0.97478

Device Test: 19.43 ; RESET_SLEW_RATE_FALL

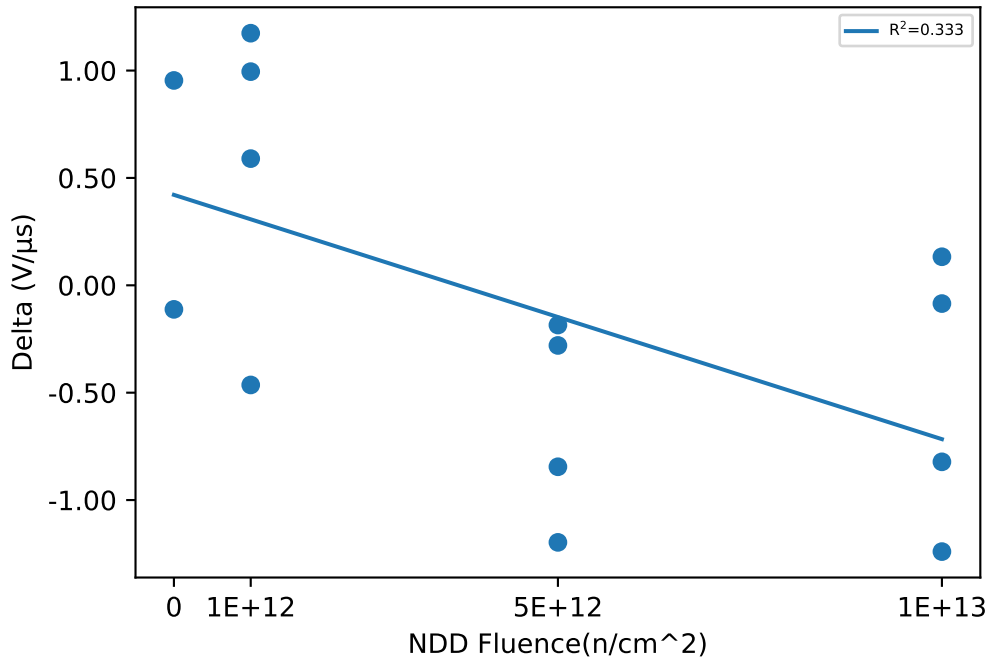
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	217.77	217.66	-0.112
301	0	Correlation	221.03	221.98	0.954
353	1e+12	NDD Unbiased	225.44	226.62	1.174
354	1e+12	NDD Unbiased	217.64	218.63	0.995
355	1e+12	NDD Unbiased	216.42	215.96	-0.464
356	1e+12	NDD Unbiased	216.19	216.78	0.59
357	5e+12	NDD Unbiased	225.54	225.26	-0.28
358	5e+12	NDD Unbiased	222	221.16	-0.845
359	5e+12	NDD Unbiased	217.51	216.32	-1.197
360	5e+12	NDD Unbiased	215.07	214.89	-0.185
361	1e+13	NDD Unbiased	219.4	218.16	-1.24
362	1e+13	NDD Unbiased	217.78	217.69	-0.085
363	1e+13	NDD Unbiased	218.7	218.83	0.133
364	1e+13	NDD Unbiased	227.68	226.86	-0.822

NDD vs Post - Pre Exposure Delta

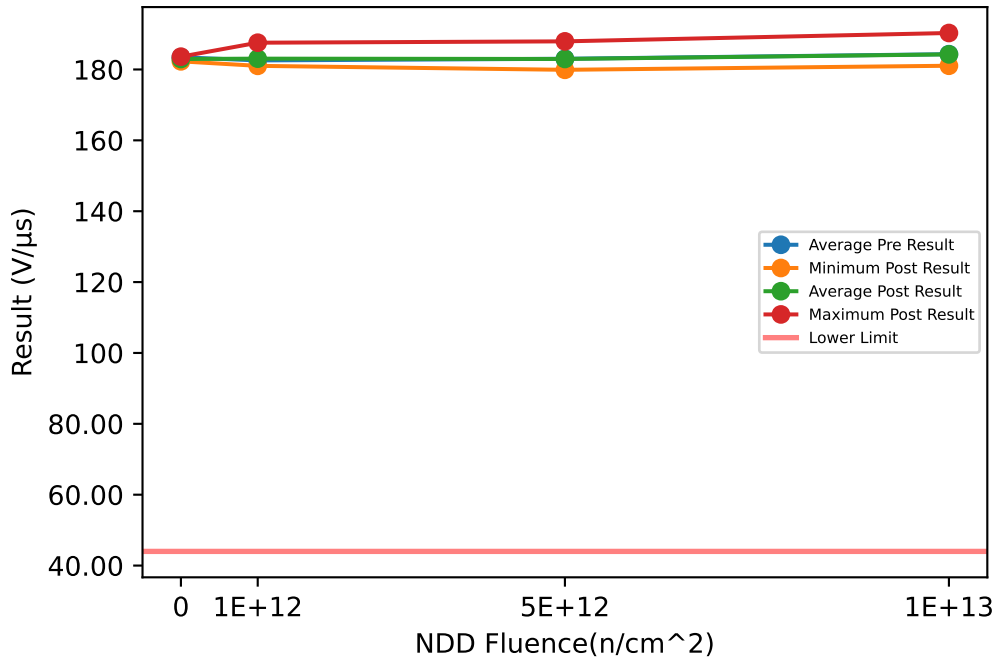


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	217.77	219.4	221.03	2.3016	217.66	219.82	221.98	3.0554	-0.112	0.421	0.954	0.75378
1e+12	216.19	218.92	225.44	4.3928	215.96	219.5	226.62	4.877	-0.464	0.57375	1.174	0.7337
5e+12	215.07	220.03	225.54	4.6602	214.89	219.41	225.26	4.736	-1.197	-0.62675	-0.185	0.47896
1e+13	217.78	220.89	227.68	4.5773	217.69	220.39	226.86	4.3421	-1.24	-0.5035	0.133	0.63879

Device Test: 19.44 ; RESET_SLEW_RATE_FALL

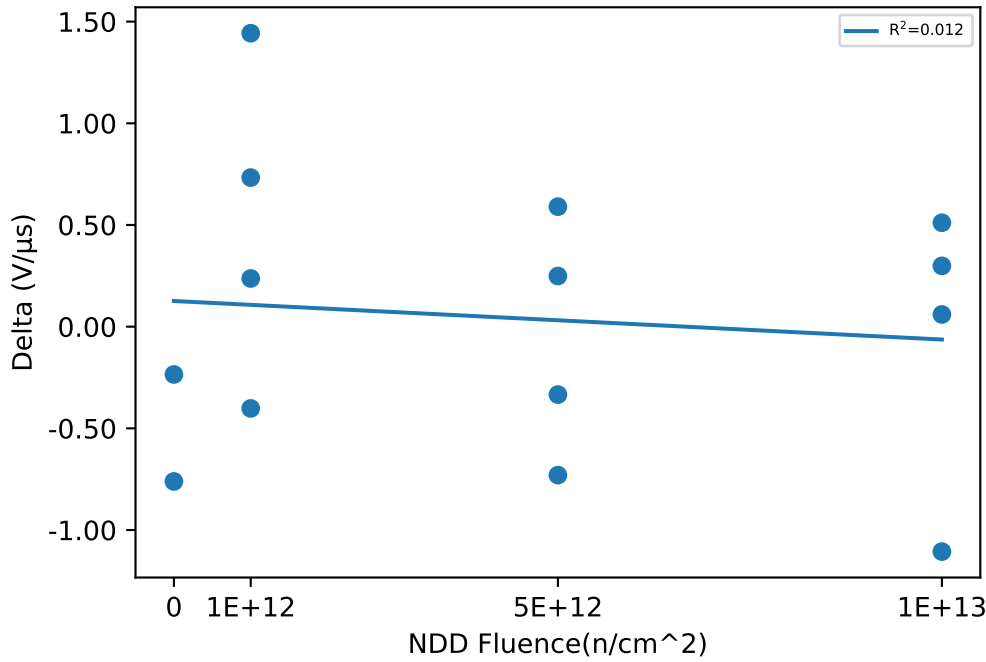
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	182.53	182.29	-0.235
301	0	Correlation	184.37	183.61	-0.761
353	1e+12	NDD Unbiased	186.82	187.55	0.733
354	1e+12	NDD Unbiased	181.5	181.74	0.237
355	1e+12	NDD Unbiased	179.58	181.02	1.443
356	1e+12	NDD Unbiased	182.31	181.91	-0.402
357	5e+12	NDD Unbiased	187.34	187.93	0.59
358	5e+12	NDD Unbiased	183.25	183.5	0.249
359	5e+12	NDD Unbiased	181.25	180.52	-0.73
360	5e+12	NDD Unbiased	180.24	179.91	-0.334
361	1e+13	NDD Unbiased	182.53	183.04	0.511
362	1e+13	NDD Unbiased	182.35	182.65	0.299
363	1e+13	NDD Unbiased	182.16	181.05	-1.106
364	1e+13	NDD Unbiased	190.23	190.29	0.06

NDD vs Post - Pre Exposure Delta

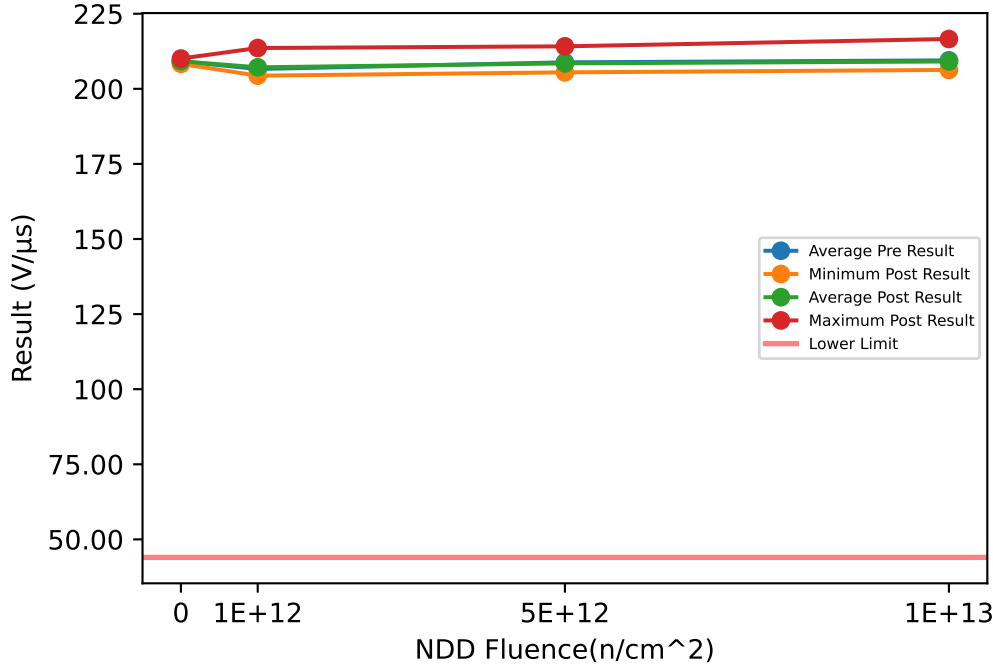


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	182.53	183.45	184.37	1.3053	182.29	182.95	183.61	0.93338	-0.761	-0.498	-0.235	0.37194
1e+12	179.58	182.55	186.82	3.0669	181.02	183.06	187.55	3.0233	-0.402	0.50275	1.443	0.78023
5e+12	180.24	183.02	187.34	3.1415	179.91	182.96	187.93	3.6653	-0.73	-0.05625	0.59	0.58932
1e+13	182.16	184.32	190.23	3.9478	181.05	184.26	190.29	4.1152	-1.106	-0.059	0.511	0.7219

Device Test: 19.45 ; RESET_SLEW_RATE_FALL

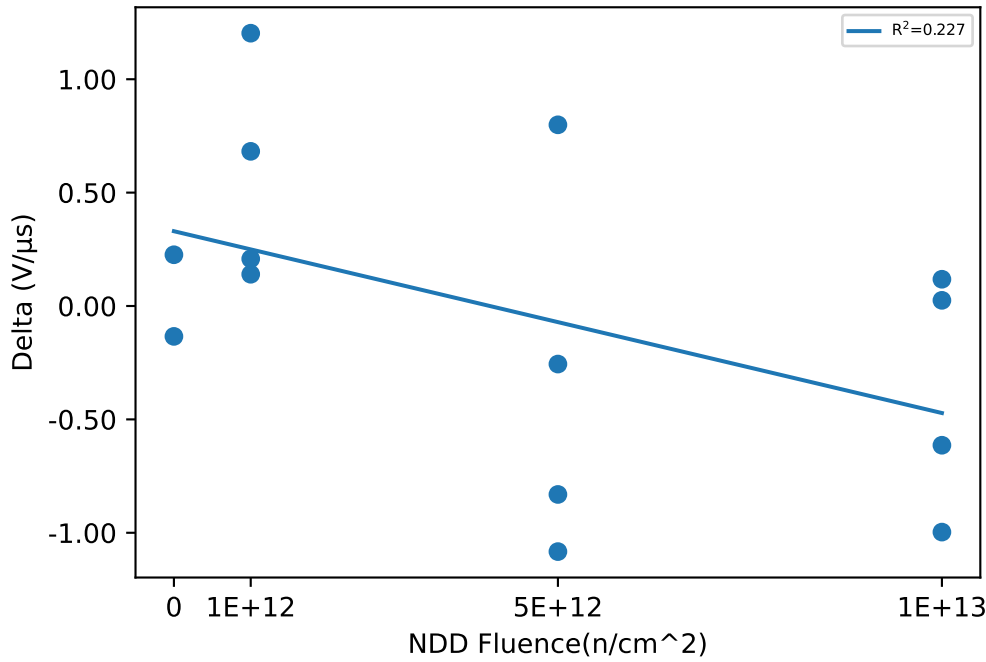
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	208.45	208.31	-0.134
301	0	Correlation	209.86	210.08	0.226
353	1e+12	NDD Unbiased	212.38	213.59	1.203
354	1e+12	NDD Unbiased	204.8	204.94	0.14
355	1e+12	NDD Unbiased	204.17	204.38	0.208
356	1e+12	NDD Unbiased	205.05	205.73	0.682
357	5e+12	NDD Unbiased	215.23	214.15	-1.083
358	5e+12	NDD Unbiased	209.57	208.74	-0.831
359	5e+12	NDD Unbiased	204.69	205.49	0.799
360	5e+12	NDD Unbiased	205.79	205.53	-0.256
361	1e+13	NDD Unbiased	207.59	206.6	-0.997
362	1e+13	NDD Unbiased	206.26	206.29	0.025
363	1e+13	NDD Unbiased	206.83	206.95	0.118
364	1e+13	NDD Unbiased	217.2	216.59	-0.614

NDD vs Post - Pre Exposure Delta

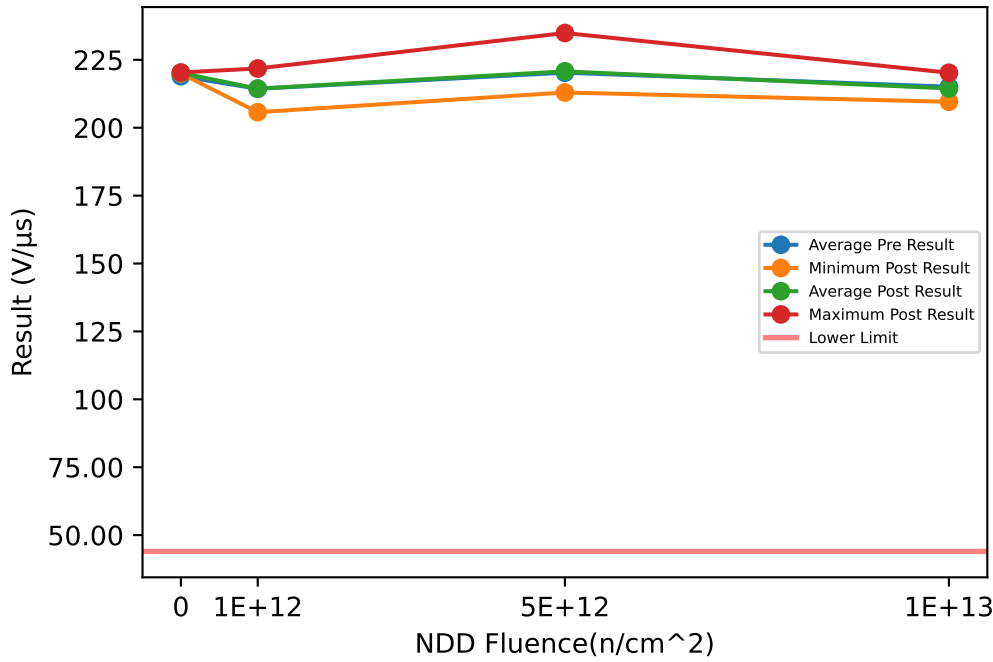


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	208.45	209.15	209.86	0.99843	208.31	209.2	210.08	1.253	-0.134	0.046	0.226	0.25456
1e+12	204.17	206.6	212.38	3.8716	204.38	207.16	213.59	4.3195	0.14	0.55825	1.203	0.49282
5e+12	204.69	208.82	215.23	4.7584	205.49	208.47	214.15	4.076	-1.083	-0.34275	0.799	0.83616
1e+13	206.26	209.47	217.2	5.1817	206.29	209.11	216.59	4.9957	-0.997	-0.367	0.118	0.53129

Device Test: 19.46 ; PWRGD_SLEW_RATE_FALL

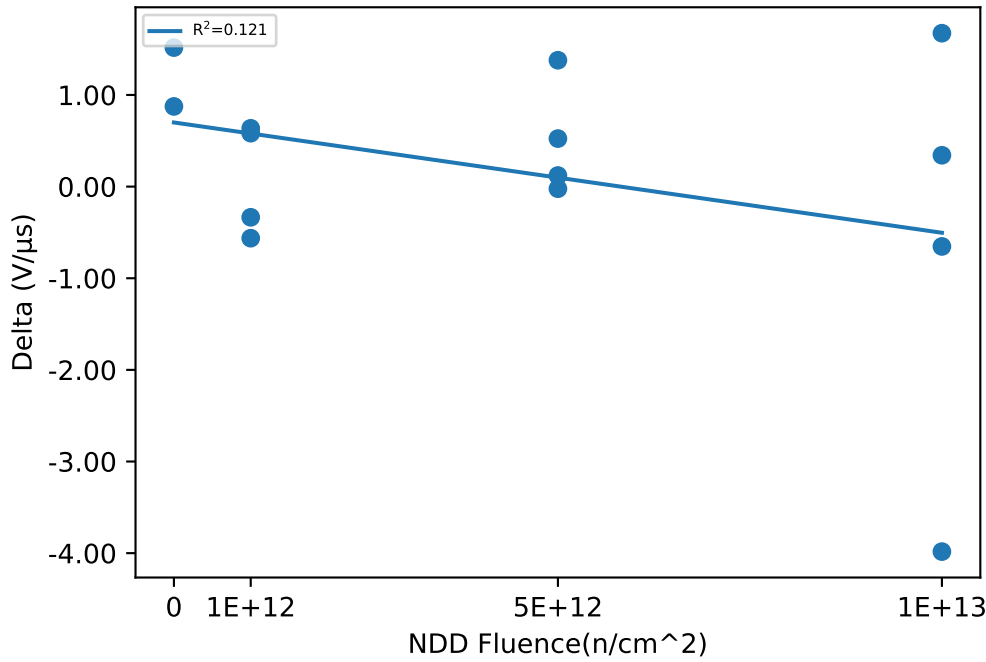
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	219.47	220.34	0.875
301	0	Correlation	218.46	219.98	1.517
353	1e+12	NDD Unbiased	222.37	221.81	-0.563
354	1e+12	NDD Unbiased	213.19	213.83	0.636
355	1e+12	NDD Unbiased	206.06	205.72	-0.335
356	1e+12	NDD Unbiased	215.7	216.28	0.583
357	5e+12	NDD Unbiased	234.36	234.88	0.524
358	5e+12	NDD Unbiased	217.29	217.41	0.121
359	5e+12	NDD Unbiased	212.99	212.97	-0.023
360	5e+12	NDD Unbiased	216.41	217.79	1.379
361	1e+13	NDD Unbiased	214.93	215.28	0.342
362	1e+13	NDD Unbiased	207.88	209.56	1.674
363	1e+13	NDD Unbiased	213.39	212.74	-0.653
364	1e+13	NDD Unbiased	224.23	220.25	-3.983

NDD vs Post - Pre Exposure Delta

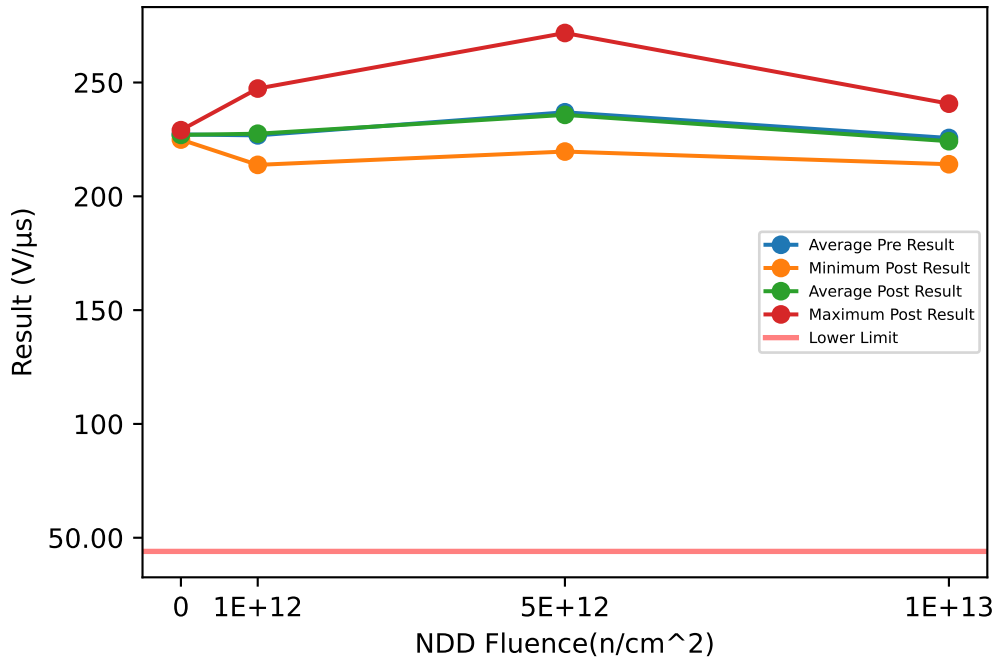


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	218.46	218.96	219.47	0.71064	219.98	220.16	220.34	0.25668	0.875	1.196	1.517	0.45396
1e+12	206.06	214.33	222.37	6.7414	205.72	214.41	221.81	6.6864	-0.563	0.08025	0.636	0.61855
5e+12	212.99	220.26	234.36	9.5771	212.97	220.76	234.88	9.663	-0.023	0.50025	1.379	0.62992
1e+13	207.88	215.11	224.23	6.792	209.56	214.45	220.25	4.5153	-3.983	-0.655	1.674	2.4148

Device Test: 19.47 ; WDO_SLEW_RATE_FALL

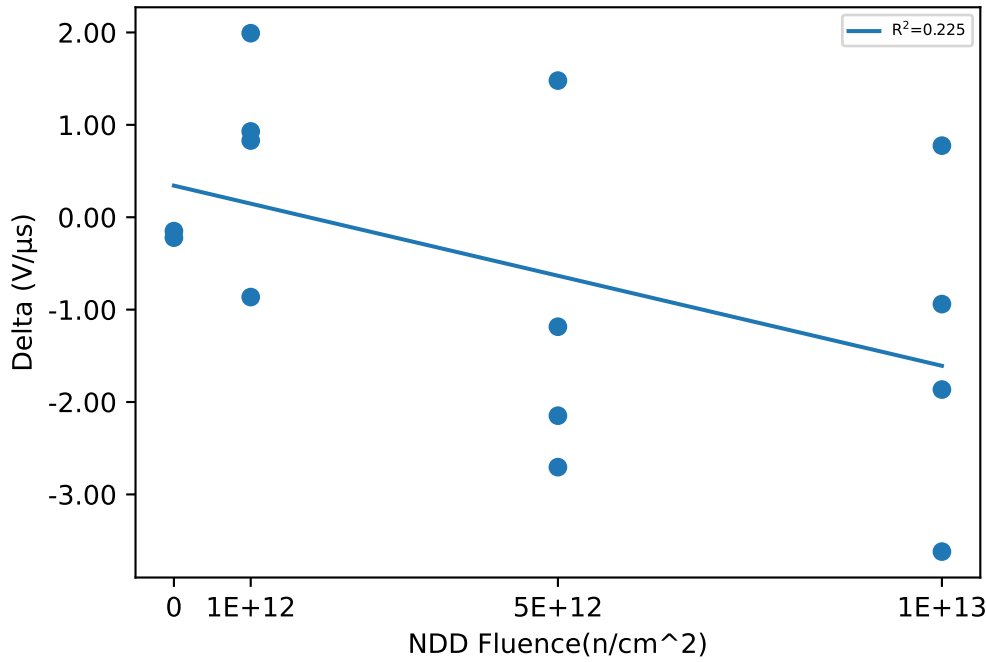
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	225.08	224.93	-0.15
301	0	Correlation	229.28	229.06	-0.221
353	1e+12	NDD Unbiased	246.52	247.35	0.83
354	1e+12	NDD Unbiased	223.03	225.02	1.992
355	1e+12	NDD Unbiased	214.68	213.82	-0.864
356	1e+12	NDD Unbiased	222.88	223.81	0.929
357	5e+12	NDD Unbiased	273.9	271.75	-2.148
358	5e+12	NDD Unbiased	225.57	227.05	1.479
359	5e+12	NDD Unbiased	220.85	219.67	-1.185
360	5e+12	NDD Unbiased	227.37	224.66	-2.705
361	1e+13	NDD Unbiased	223.62	221.76	-1.865
362	1e+13	NDD Unbiased	215.03	214.09	-0.94
363	1e+13	NDD Unbiased	219.53	220.3	0.775
364	1e+13	NDD Unbiased	244.32	240.7	-3.619

NDD vs Post - Pre Exposure Delta

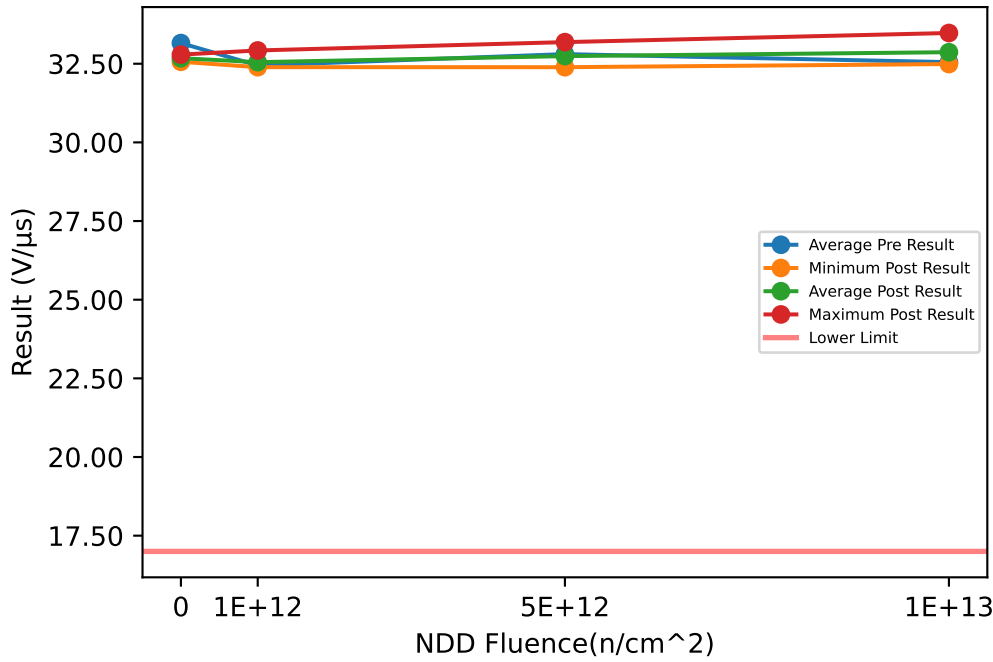


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	225.08	227.18	229.28	2.9684	224.93	226.99	229.06	2.9182	-0.221	-0.1855	-0.15	0.050205
1e+12	214.68	226.78	246.52	13.727	213.82	227.5	247.35	14.153	-0.864	0.72175	1.992	1.1808
5e+12	220.85	236.92	273.9	24.804	219.67	235.78	271.75	24.176	-2.705	-1.1397	1.479	1.8553
1e+13	215.03	225.63	244.32	12.948	214.09	224.21	240.7	11.484	-3.619	-1.4122	0.775	1.8332

Device Test: 19.5 ; WDO_SLEW_RATE_RISE

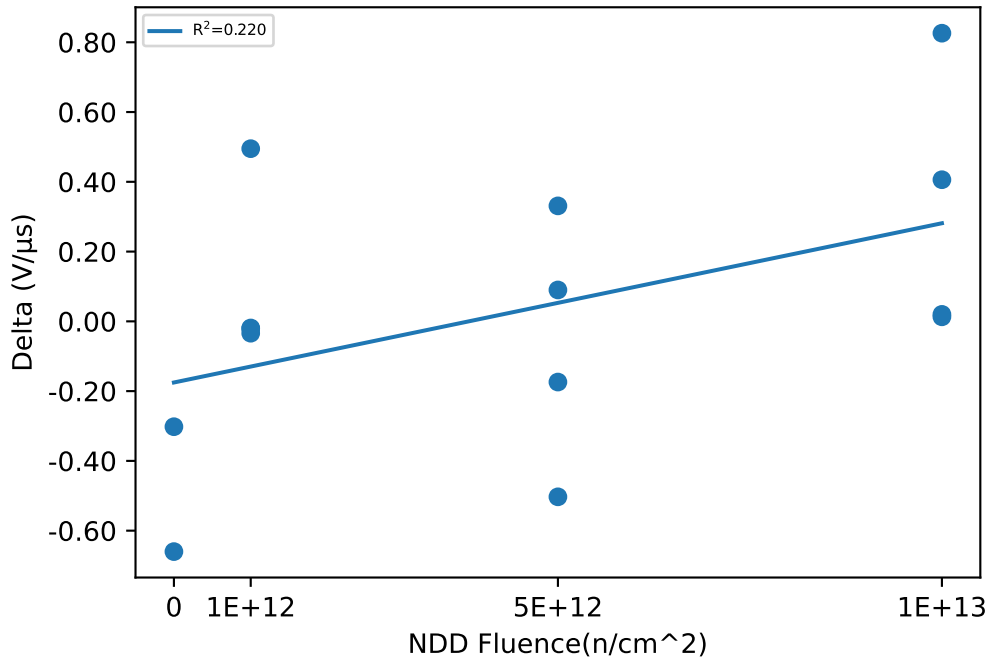
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	32.864	32.562	-0.302
301	0	Correlation	33.45	32.79	-0.66
353	1e+12	NDD Unbiased	32.456	32.422	-0.034
354	1e+12	NDD Unbiased	32.486	32.467	-0.019
355	1e+12	NDD Unbiased	32.412	32.391	-0.021
356	1e+12	NDD Unbiased	32.427	32.922	0.495
357	5e+12	NDD Unbiased	33.038	32.864	-0.174
358	5e+12	NDD Unbiased	32.3	32.39	0.09
359	5e+12	NDD Unbiased	32.856	33.187	0.331
360	5e+12	NDD Unbiased	33.029	32.526	-0.503
361	1e+13	NDD Unbiased	32.803	32.816	0.013
362	1e+13	NDD Unbiased	32.084	32.49	0.406
363	1e+13	NDD Unbiased	32.651	33.477	0.826
364	1e+13	NDD Unbiased	32.664	32.684	0.02

NDD vs Post - Pre Exposure Delta

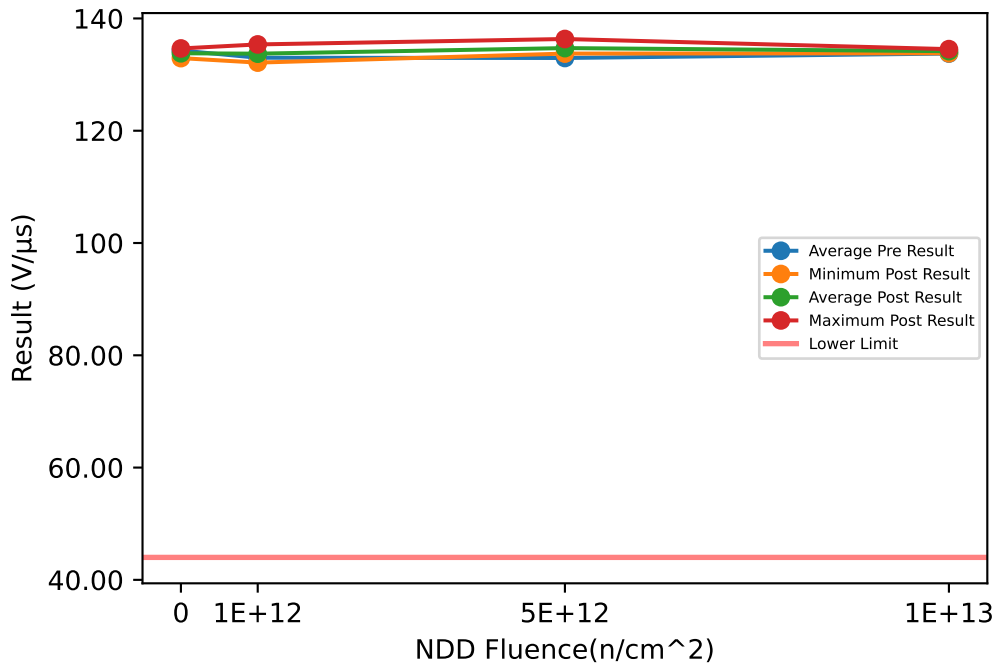


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	32.864	33.157	33.45	0.41436	32.562	32.676	32.79	0.16122	-0.66	-0.481	-0.302	0.25314
1e+12	32.412	32.445	32.486	0.032735	32.391	32.55	32.922	0.24962	-0.034	0.10525	0.495	0.25992
5e+12	32.3	32.806	33.038	0.34741	32.39	32.742	33.187	0.35752	-0.503	-0.064	0.331	0.35803
1e+13	32.084	32.55	32.803	0.31852	32.49	32.867	33.477	0.4283	0.013	0.31625	0.826	0.38627

Device Test: 19.6 ; RESET_SLEW_RATE_FALL

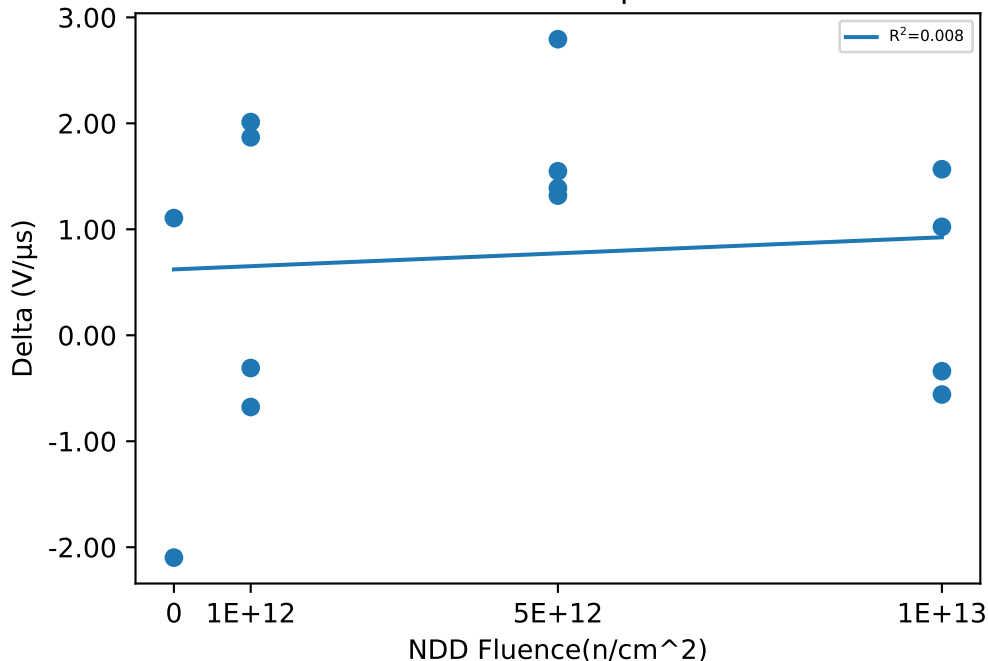
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	131.83	132.94	1.106
301	0	Correlation	136.75	134.65	-2.098
353	1e+12	NDD Unbiased	136.05	135.37	-0.677
354	1e+12	NDD Unbiased	131.77	133.64	1.868
355	1e+12	NDD Unbiased	130.12	132.13	2.012
356	1e+12	NDD Unbiased	134.07	133.76	-0.309
357	5e+12	NDD Unbiased	132.67	134.22	1.548
358	5e+12	NDD Unbiased	132.42	133.74	1.318
359	5e+12	NDD Unbiased	131.78	134.58	2.794
360	5e+12	NDD Unbiased	134.95	136.34	1.389
361	1e+13	NDD Unbiased	135.09	134.53	-0.559
362	1e+13	NDD Unbiased	132.87	133.89	1.023
363	1e+13	NDD Unbiased	132.23	133.8	1.567
364	1e+13	NDD Unbiased	134.8	134.46	-0.339

NDD vs Post - Pre Exposure Delta

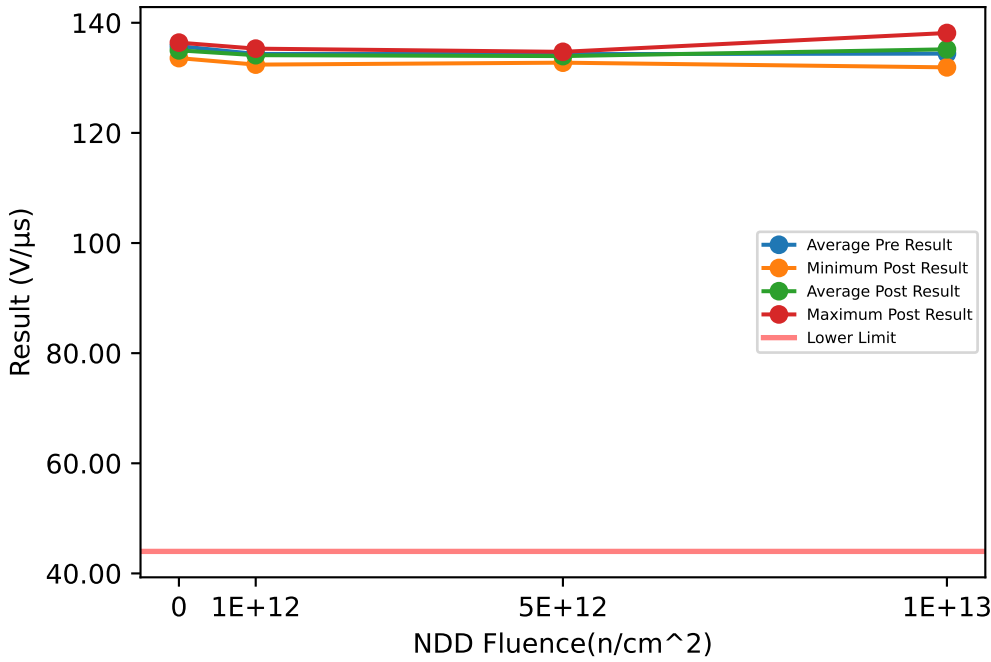


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.83	134.29	136.75	3.4804	132.94	133.8	134.65	1.2148	-2.098	-0.496	1.106	2.2656
1e+12	130.12	133	136.05	2.5973	132.13	133.73	135.37	1.324	-0.677	0.7235	2.012	1.4139
5e+12	131.78	132.96	134.95	1.3807	133.74	134.72	136.34	1.1334	1.318	1.7623	2.794	0.69452
1e+13	132.23	133.75	135.09	1.4134	133.8	134.17	134.53	0.38018	-0.559	0.423	1.567	1.035

Device Test: 19.7 ; RESET_SLEW_RATE_FALL

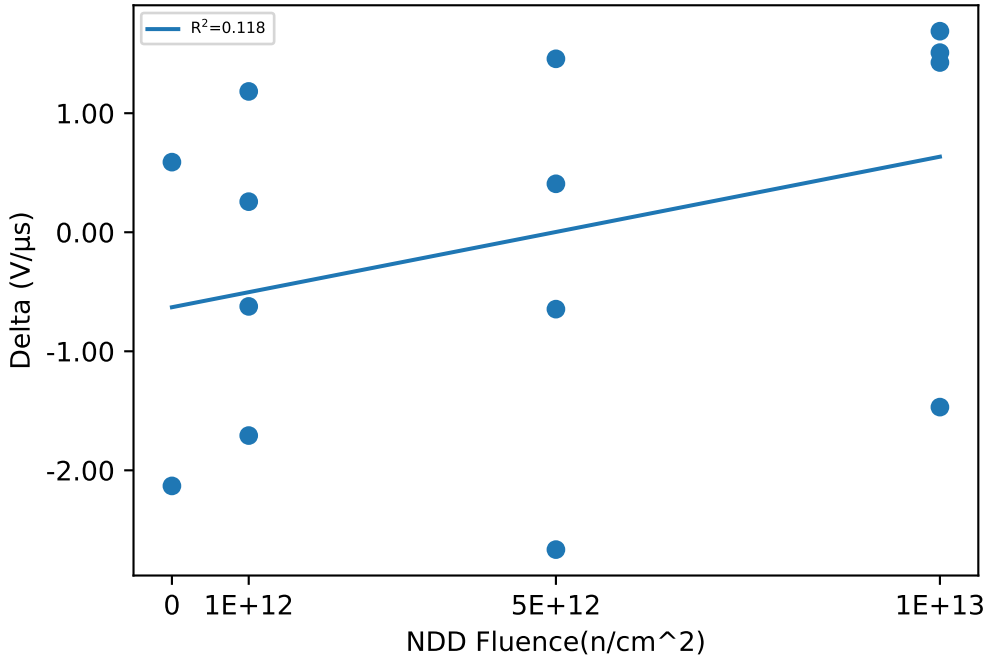
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	133	133.59	0.589
301	0	Correlation	138.53	136.4	-2.131
353	1e+12	NDD Unbiased	137.01	135.3	-1.708
354	1e+12	NDD Unbiased	133.75	134.94	1.183
355	1e+12	NDD Unbiased	134.44	133.81	-0.623
356	1e+12	NDD Unbiased	132.15	132.4	0.257
357	5e+12	NDD Unbiased	137.39	134.72	-2.666
358	5e+12	NDD Unbiased	133.91	134.31	0.407
359	5e+12	NDD Unbiased	133.4	132.75	-0.646
360	5e+12	NDD Unbiased	132.55	134.01	1.457
361	1e+13	NDD Unbiased	134.54	135.96	1.426
362	1e+13	NDD Unbiased	133.37	131.91	-1.469
363	1e+13	NDD Unbiased	133.21	134.72	1.509
364	1e+13	NDD Unbiased	136.46	138.14	1.689

NDD vs Post - Pre Exposure Delta

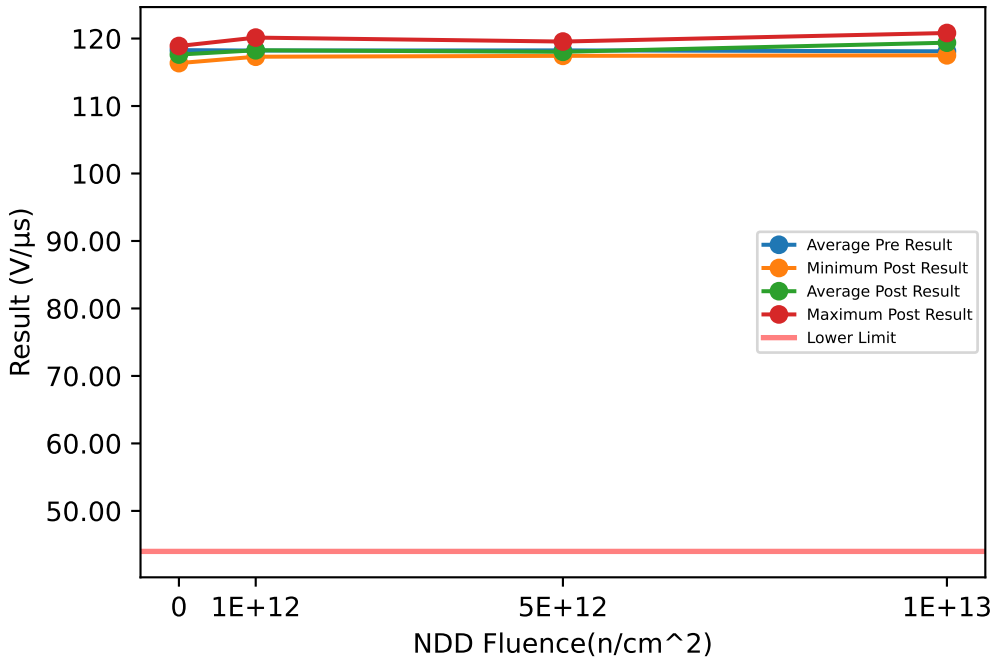


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	133	135.76	138.53	3.9117	133.59	134.99	136.4	1.9884	-2.131	-0.771	0.589	1.9233
1e+12	132.15	134.34	137.01	2.0249	132.4	134.11	135.3	1.3049	-1.708	-0.22275	1.183	1.2346
5e+12	132.55	134.31	137.39	2.1258	132.75	133.95	134.72	0.84857	-2.666	-0.362	1.457	1.7597
1e+13	133.21	134.39	136.46	1.4956	131.91	135.18	138.14	2.6036	-1.469	0.78875	1.689	1.5092

Device Test: 19.8 ; RESET_SLEW_RATE_FALL

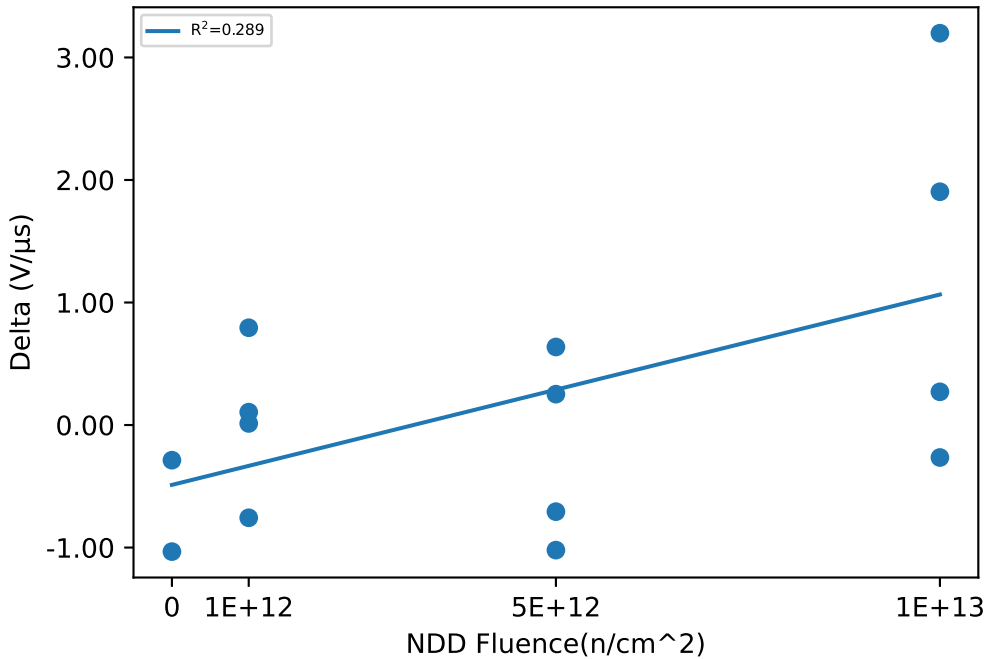
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	117.39	116.36	-1.033
301	0	Correlation	119.18	118.89	-0.287
353	1e+12	NDD Unbiased	120.03	120.14	0.105
354	1e+12	NDD Unbiased	119.05	118.29	-0.757
355	1e+12	NDD Unbiased	116.51	117.31	0.794
356	1e+12	NDD Unbiased	117.29	117.31	0.013
357	5e+12	NDD Unbiased	119.3	119.55	0.252
358	5e+12	NDD Unbiased	118.65	117.63	-1.021
359	5e+12	NDD Unbiased	118.14	117.44	-0.707
360	5e+12	NDD Unbiased	116.88	117.52	0.637
361	1e+13	NDD Unbiased	116.81	120.01	3.198
362	1e+13	NDD Unbiased	117.3	119.2	1.904
363	1e+13	NDD Unbiased	117.24	117.51	0.271
364	1e+13	NDD Unbiased	121.09	120.82	-0.265

NDD vs Post - Pre Exposure Delta

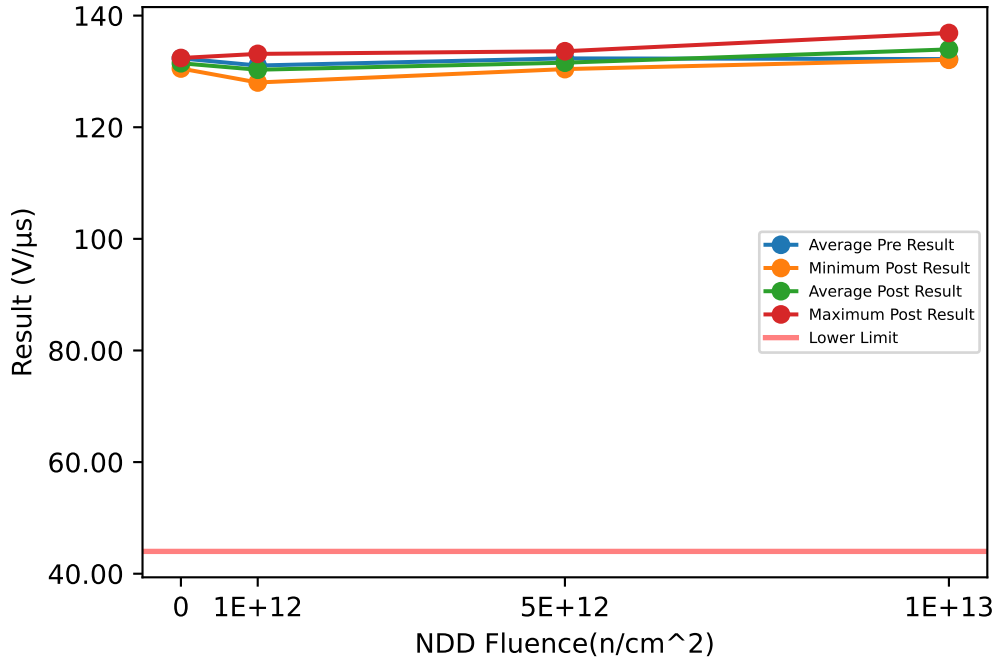


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	117.39	118.28	119.18	1.265	116.36	117.62	118.89	1.7925	-1.033	-0.66	-0.287	0.5275
1e+12	116.51	118.22	120.03	1.6083	117.31	118.26	120.14	1.3361	-0.757	0.03875	0.794	0.63474
5e+12	116.88	118.24	119.3	1.0235	117.44	118.03	119.55	1.0153	-1.021	-0.20975	0.637	0.78222
1e+13	116.81	118.11	121.09	1.9972	117.51	119.39	120.82	1.4126	-0.265	1.277	3.198	1.5783

Device Test: 19.9 ; RESET_SLEW_RATE_FALL

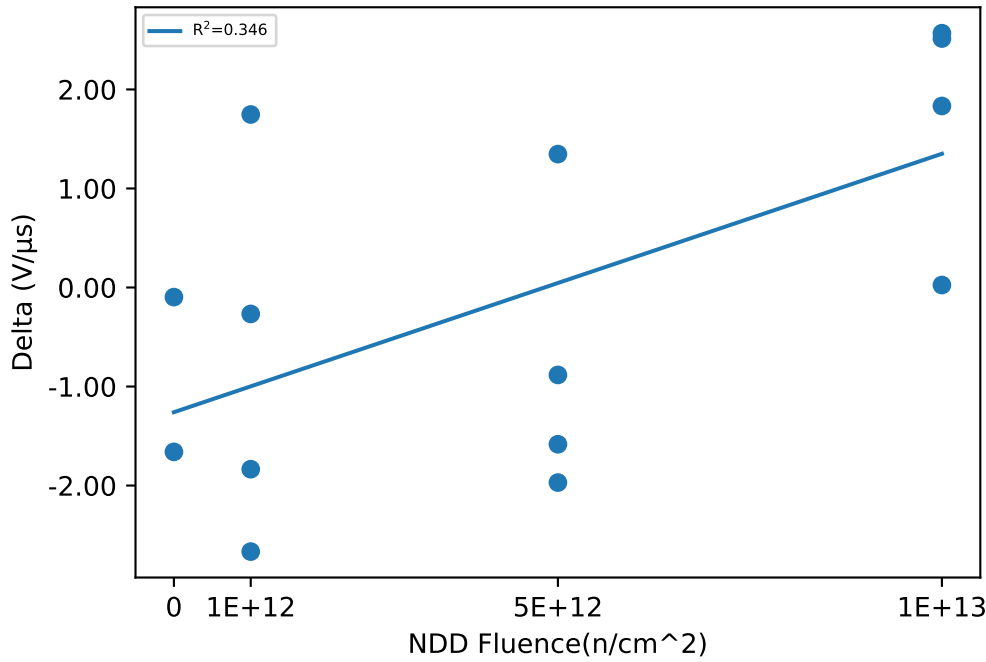
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	130.62	130.52	-0.097
301	0	Correlation	134.06	132.4	-1.66
353	1e+12	NDD Unbiased	131.39	133.14	1.747
354	1e+12	NDD Unbiased	130.68	128.02	-2.667
355	1e+12	NDD Unbiased	130.26	130	-0.267
356	1e+12	NDD Unbiased	131.89	130.06	-1.835
357	5e+12	NDD Unbiased	135.2	133.62	-1.583
358	5e+12	NDD Unbiased	132.38	130.41	-1.97
359	5e+12	NDD Unbiased	131.73	130.85	-0.883
360	5e+12	NDD Unbiased	130.03	131.38	1.347
361	1e+13	NDD Unbiased	131.18	133.75	2.568
362	1e+13	NDD Unbiased	132.06	132.09	0.025
363	1e+13	NDD Unbiased	131.24	133.07	1.833
364	1e+13	NDD Unbiased	134.37	136.88	2.514

NDD vs Post - Pre Exposure Delta

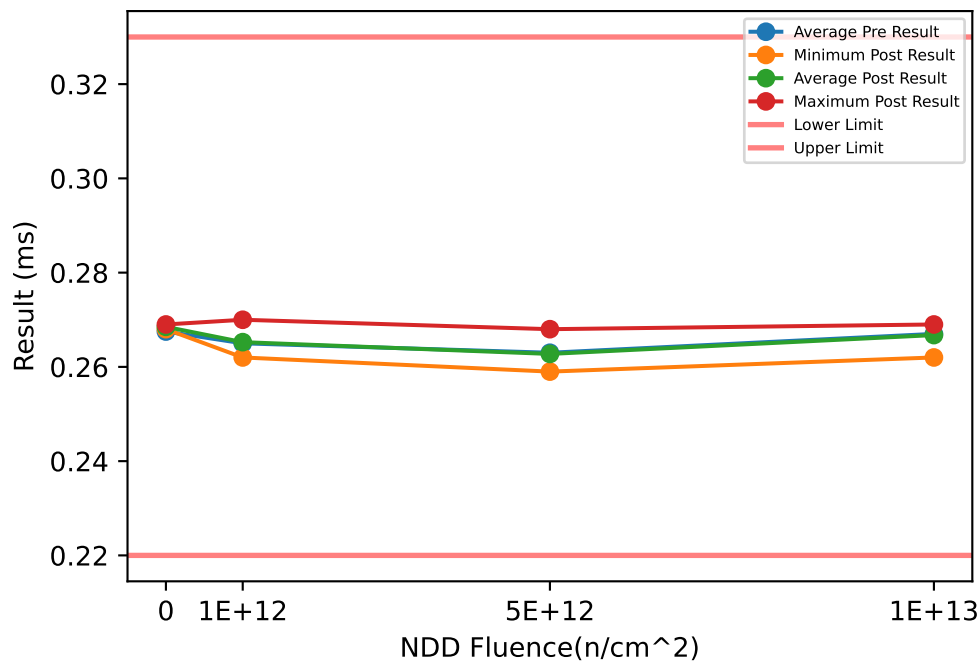


Test Statistics (V/μs)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	130.62	132.34	134.06	2.4367	130.52	131.46	132.4	1.3315	-1.66	-0.8785	-0.097	1.1052
1e+12	130.26	131.06	131.89	0.72559	128.02	130.3	133.14	2.1166	-2.667	-0.7555	1.747	1.9425
5e+12	130.03	132.34	135.2	2.1503	130.41	131.56	133.62	1.423	-1.97	-0.77225	1.347	1.4827
1e+13	131.18	132.21	134.37	1.4946	132.09	133.95	136.88	2.0733	0.025	1.735	2.568	1.1881

Device Test: 5.20 ; DLY_TMR_10KOHM

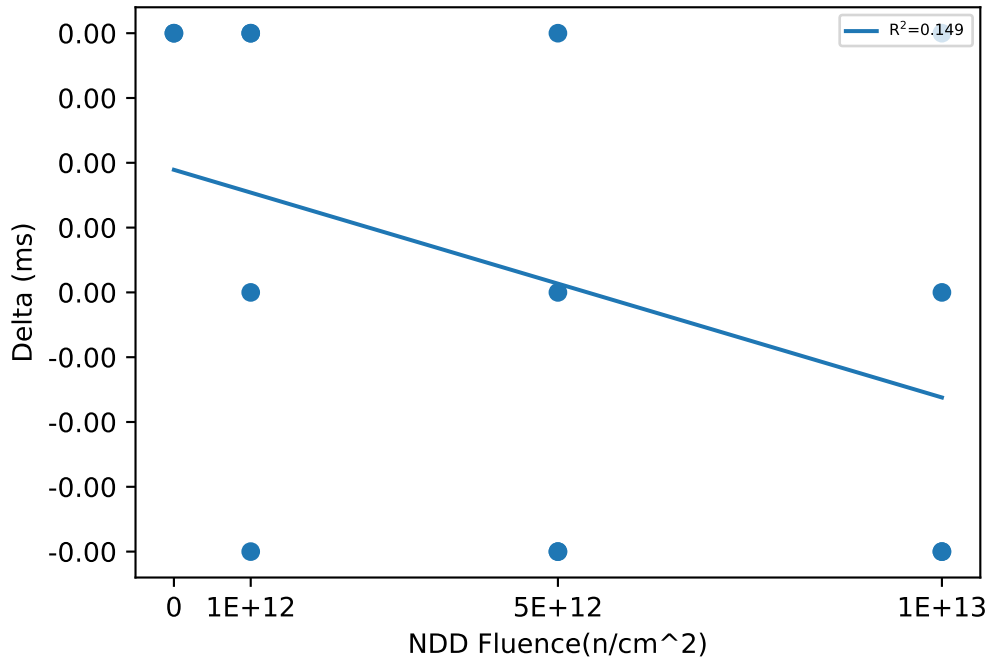
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.269	0.001
301	0	Correlation	0.267	0.268	0.001
353	1e+12	NDD Unbiased	0.261	0.262	0.001
354	1e+12	NDD Unbiased	0.261	0.262	0.001
355	1e+12	NDD Unbiased	0.271	0.27	-0.001
356	1e+12	NDD Unbiased	0.267	0.267	0
357	5e+12	NDD Unbiased	0.26	0.259	-0.001
358	5e+12	NDD Unbiased	0.263	0.263	0
359	5e+12	NDD Unbiased	0.267	0.268	0.001
360	5e+12	NDD Unbiased	0.262	0.261	-0.001
361	1e+13	NDD Unbiased	0.269	0.268	-0.001
362	1e+13	NDD Unbiased	0.268	0.269	0.001
363	1e+13	NDD Unbiased	0.263	0.262	-0.001
364	1e+13	NDD Unbiased	0.268	0.268	0

NDD vs Post - Pre Exposure Delta

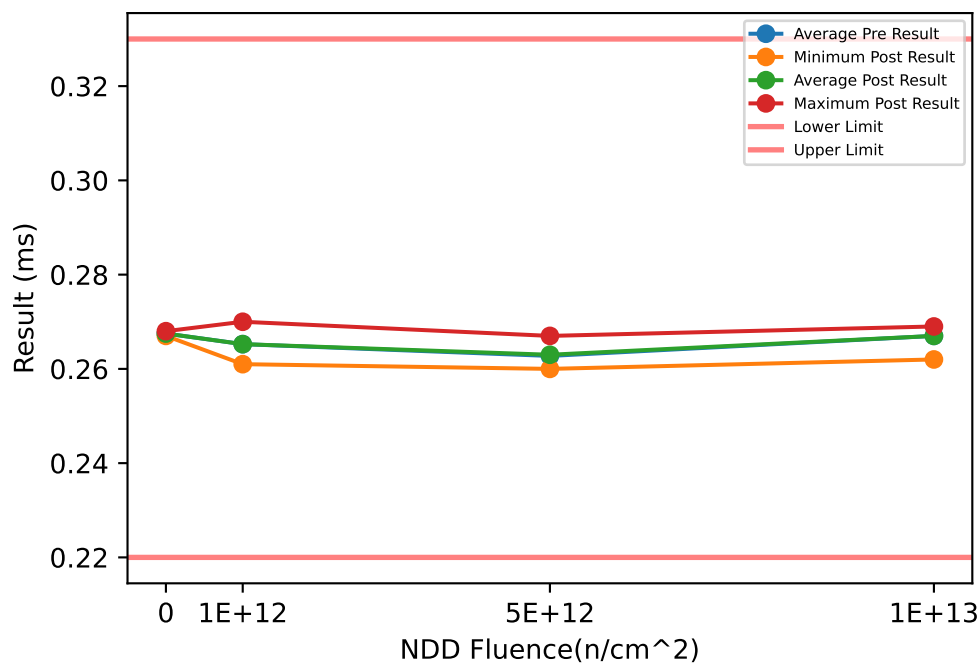


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.267	0.2675	0.268	0.00070711	0.268	0.2685	0.269	0.00070711	0.001	0.001	0.001	0
1e+12	0.261	0.265	0.271	0.004899	0.262	0.26525	0.27	0.0039476	-0.001	0.00025	0.001	0.00095743
5e+12	0.26	0.263	0.267	0.0029439	0.259	0.26275	0.268	0.0038622	-0.001	-0.00025	0.001	0.00095743
1e+13	0.263	0.267	0.269	0.002708	0.262	0.26675	0.269	0.0032016	-0.001	-0.00025	0.001	0.00095743

Device Test: 5.21 ; DLY_TMR_10KOHM

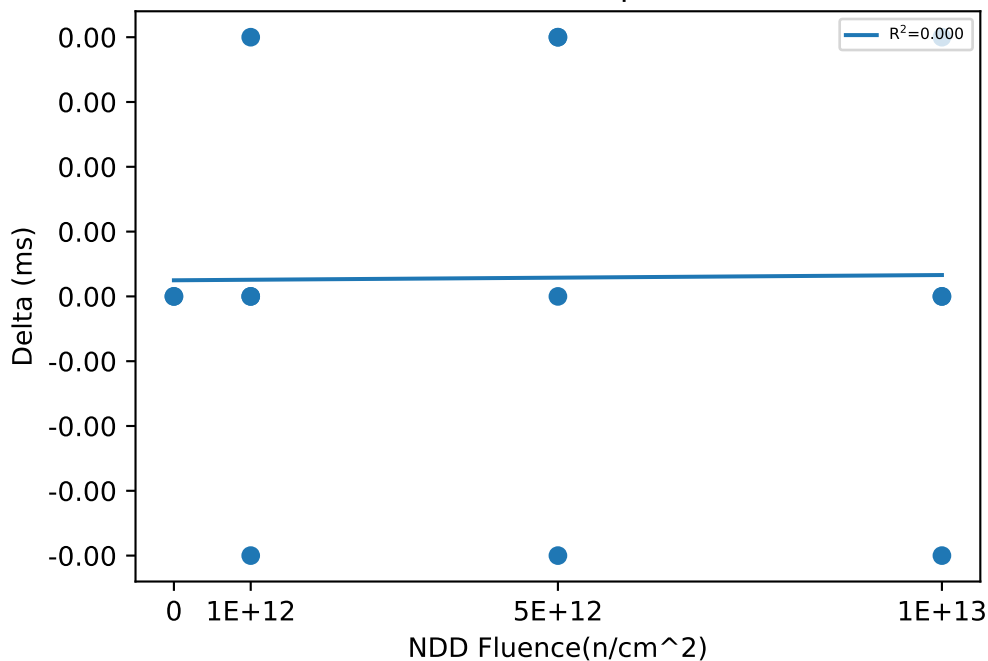
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.268	0
301	0	Correlation	0.267	0.267	0
353	1e+12	NDD Unbiased	0.262	0.261	-0.001
354	1e+12	NDD Unbiased	0.262	0.262	0
355	1e+12	NDD Unbiased	0.269	0.27	0.001
356	1e+12	NDD Unbiased	0.268	0.268	0
357	5e+12	NDD Unbiased	0.259	0.26	0.001
358	5e+12	NDD Unbiased	0.262	0.263	0.001
359	5e+12	NDD Unbiased	0.268	0.267	-0.001
360	5e+12	NDD Unbiased	0.262	0.262	0
361	1e+13	NDD Unbiased	0.269	0.269	0
362	1e+13	NDD Unbiased	0.269	0.268	-0.001
363	1e+13	NDD Unbiased	0.262	0.262	0
364	1e+13	NDD Unbiased	0.268	0.269	0.001

NDD vs Post - Pre Exposure Delta

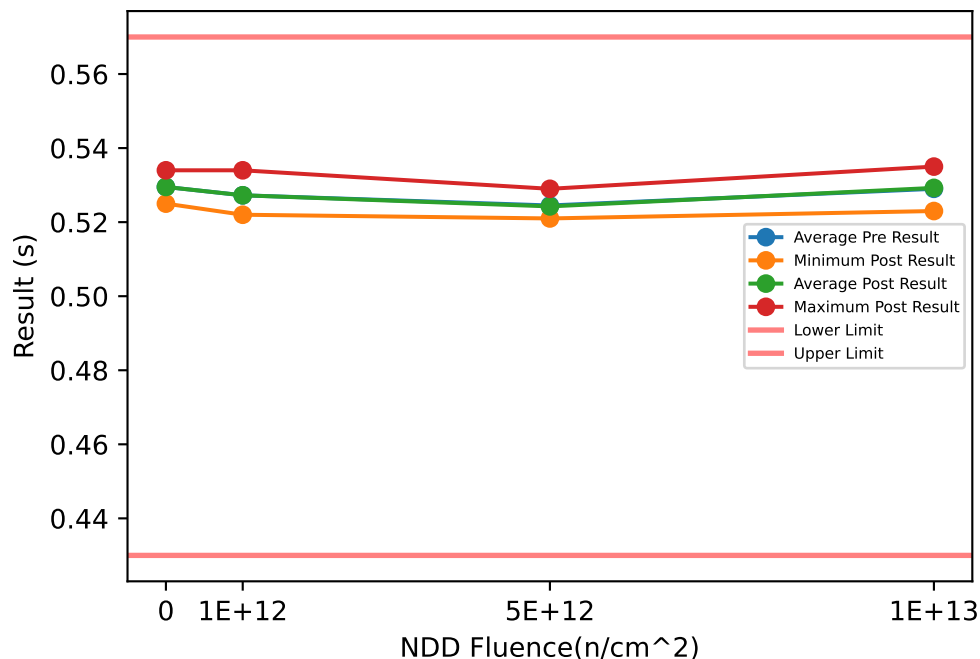


Test Statistics (ms)

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	0.267	0.2675	0.268	0.00070711	0.267	0.2675	0.268	0.00070711	0	0	0	0
1e+12	0.262	0.26525	0.269	0.0037749	0.261	0.26525	0.27	0.0044253	-0.001	0	0.001	0.0008165
5e+12	0.259	0.26275	0.268	0.0037749	0.26	0.263	0.267	0.0029439	-0.001	0.00025	0.001	0.00095743
1e+13	0.262	0.267	0.269	0.0033665	0.262	0.267	0.269	0.0033665	-0.001	0	0.001	0.0008165

Device Test: 5.22 ; WD_TMR_10KOHM

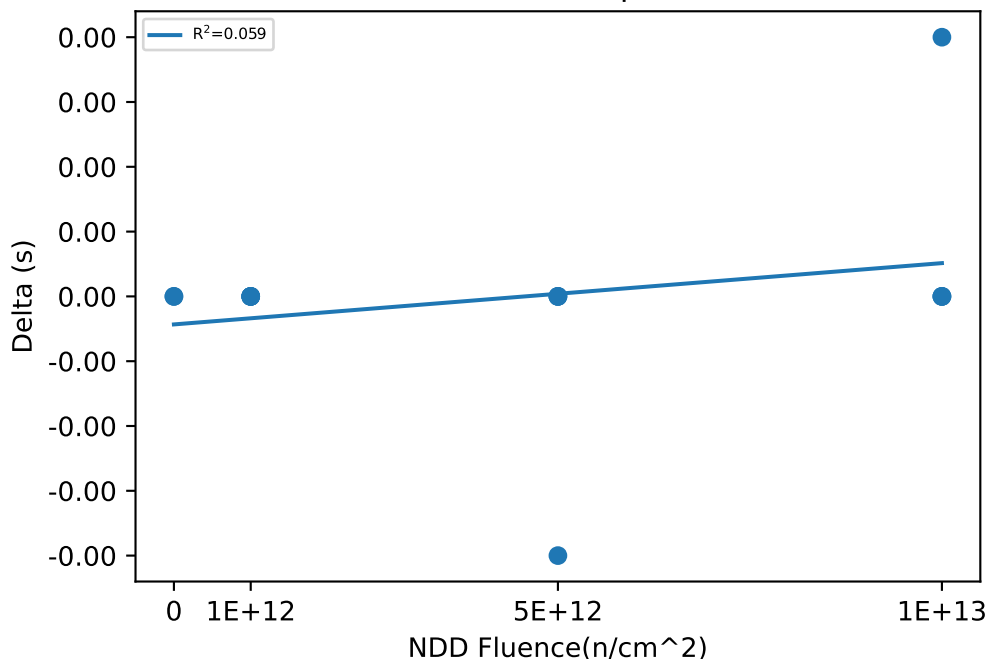
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.534	0.534	0
301	0	Correlation	0.525	0.525	0
353	1e+12	NDD Unbiased	0.522	0.522	0
354	1e+12	NDD Unbiased	0.526	0.526	0
355	1e+12	NDD Unbiased	0.534	0.534	0
356	1e+12	NDD Unbiased	0.527	0.527	0
357	5e+12	NDD Unbiased	0.526	0.526	0
358	5e+12	NDD Unbiased	0.53	0.529	-0.001
359	5e+12	NDD Unbiased	0.521	0.521	0
360	5e+12	NDD Unbiased	0.521	0.521	0
361	1e+13	NDD Unbiased	0.535	0.535	0
362	1e+13	NDD Unbiased	0.532	0.532	0
363	1e+13	NDD Unbiased	0.523	0.523	0
364	1e+13	NDD Unbiased	0.526	0.527	0.001

NDD vs Post - Pre Exposure Delta

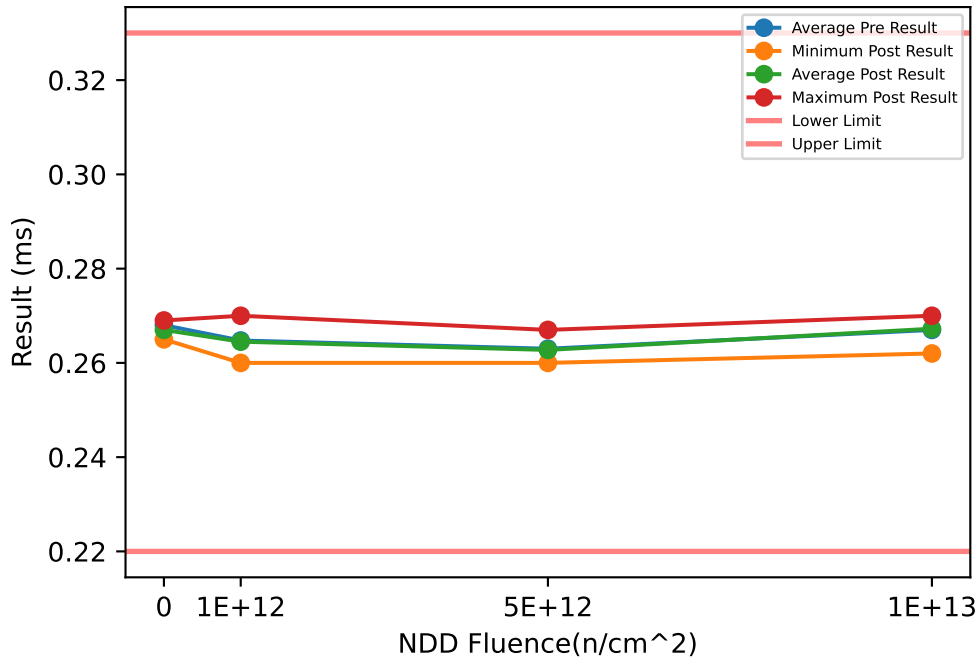


Test Statistics (s)

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	0.525	0.5295	0.534	0.006364	0.525	0.5295	0.534	0.006364	0	0	0	0
1e+12	0.522	0.52725	0.534	0.0049917	0.522	0.52725	0.534	0.0049917	0	0	0	0
5e+12	0.521	0.5245	0.53	0.0043589	0.521	0.52425	0.529	0.0039476	-0.001	-0.00025	0	0.0005
1e+13	0.523	0.529	0.535	0.0054772	0.523	0.52925	0.535	0.0053151	0	0.00025	0.001	0.0005

Device Test: 5.23 ; DLY_TMR_10KOHM

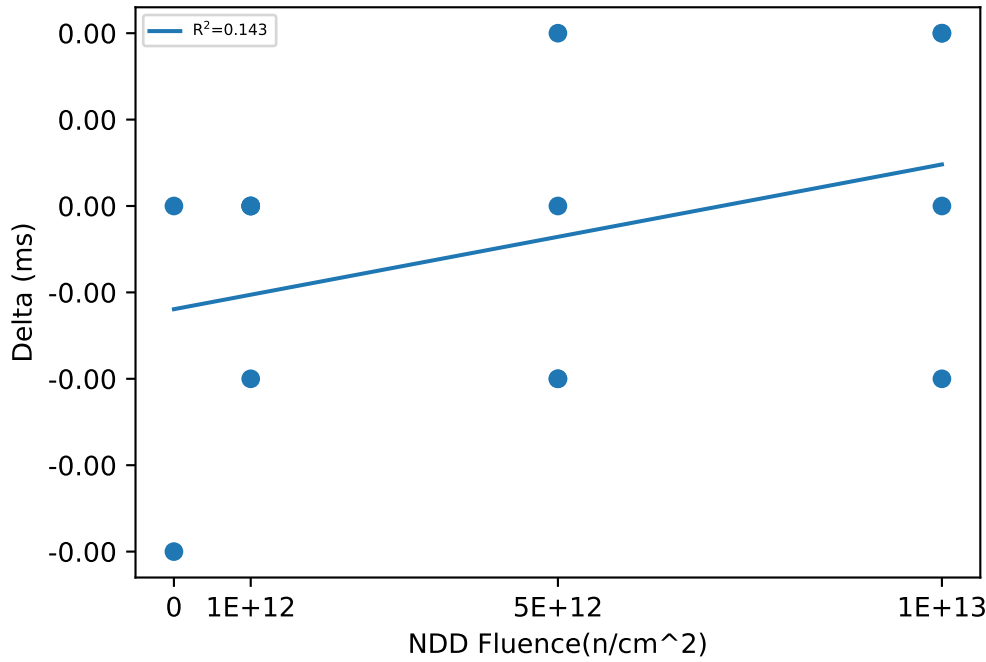
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.269	0.269	0
301	0	Correlation	0.267	0.265	-0.002
353	1e+12	NDD Unbiased	0.261	0.261	0
354	1e+12	NDD Unbiased	0.261	0.26	-0.001
355	1e+12	NDD Unbiased	0.27	0.27	0
356	1e+12	NDD Unbiased	0.267	0.267	0
357	5e+12	NDD Unbiased	0.259	0.26	0.001
358	5e+12	NDD Unbiased	0.263	0.262	-0.001
359	5e+12	NDD Unbiased	0.268	0.267	-0.001
360	5e+12	NDD Unbiased	0.262	0.262	0
361	1e+13	NDD Unbiased	0.269	0.268	-0.001
362	1e+13	NDD Unbiased	0.269	0.27	0.001
363	1e+13	NDD Unbiased	0.262	0.262	0
364	1e+13	NDD Unbiased	0.268	0.269	0.001

NDD vs Post - Pre Exposure Delta

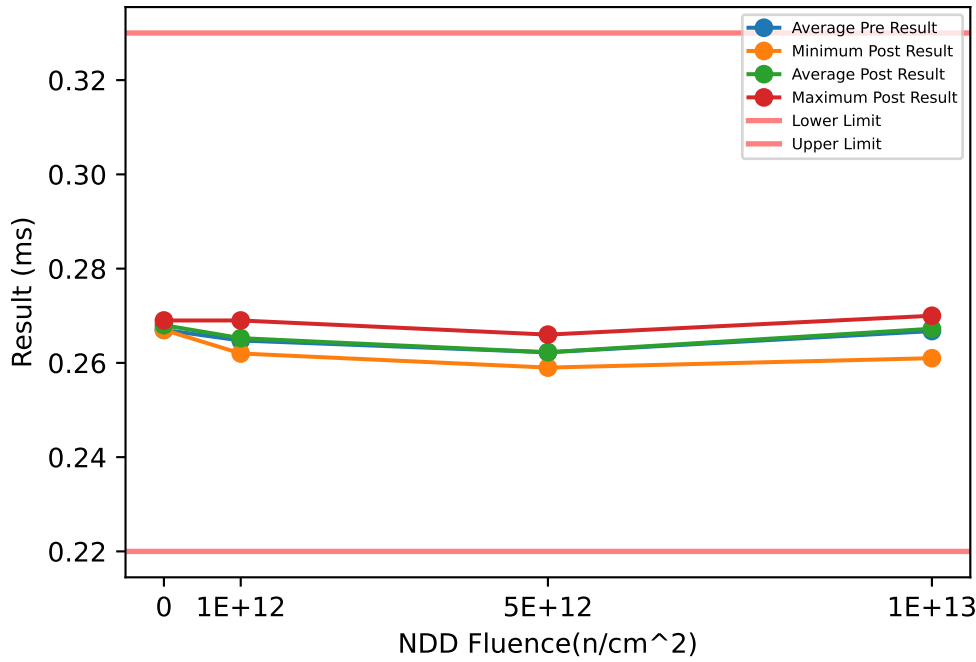


Test Statistics (ms)

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	0.267	0.268	0.269	0.0014142	0.265	0.267	0.269	0.0028284	-0.002	-0.001	0	0.0014142
1e+12	0.261	0.26475	0.27	0.0045	0.26	0.2645	0.27	0.0047958	-0.001	-0.00025	0	0.0005
5e+12	0.259	0.263	0.268	0.0037417	0.26	0.26275	0.267	0.0029861	-0.001	-0.00025	0.001	0.00095743
1e+13	0.262	0.267	0.269	0.0033665	0.262	0.26725	0.27	0.003594	-0.001	0.00025	0.001	0.00095743

Device Test: 5.24 ; DLY_TMR_10KOHM

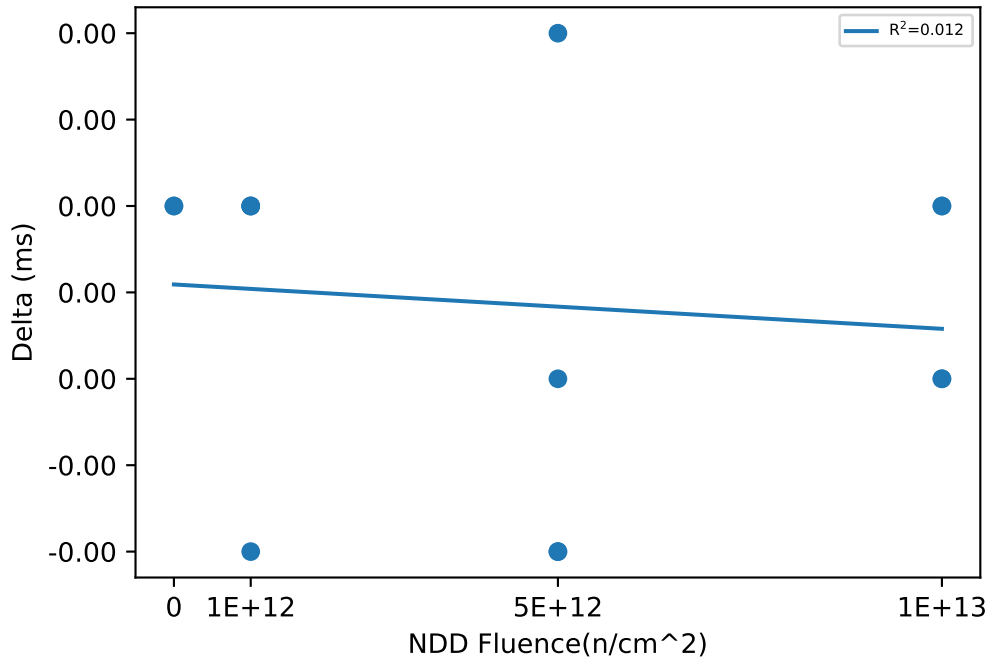
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.269	0.001
301	0	Correlation	0.266	0.267	0.001
353	1e+12	NDD Unbiased	0.261	0.262	0.001
354	1e+12	NDD Unbiased	0.261	0.262	0.001
355	1e+12	NDD Unbiased	0.27	0.269	-0.001
356	1e+12	NDD Unbiased	0.267	0.268	0.001
357	5e+12	NDD Unbiased	0.26	0.259	-0.001
358	5e+12	NDD Unbiased	0.263	0.262	-0.001
359	5e+12	NDD Unbiased	0.266	0.266	0
360	5e+12	NDD Unbiased	0.26	0.262	0.002
361	1e+13	NDD Unbiased	0.268	0.269	0.001
362	1e+13	NDD Unbiased	0.27	0.27	0
363	1e+13	NDD Unbiased	0.261	0.261	0
364	1e+13	NDD Unbiased	0.268	0.269	0.001

NDD vs Post - Pre Exposure Delta

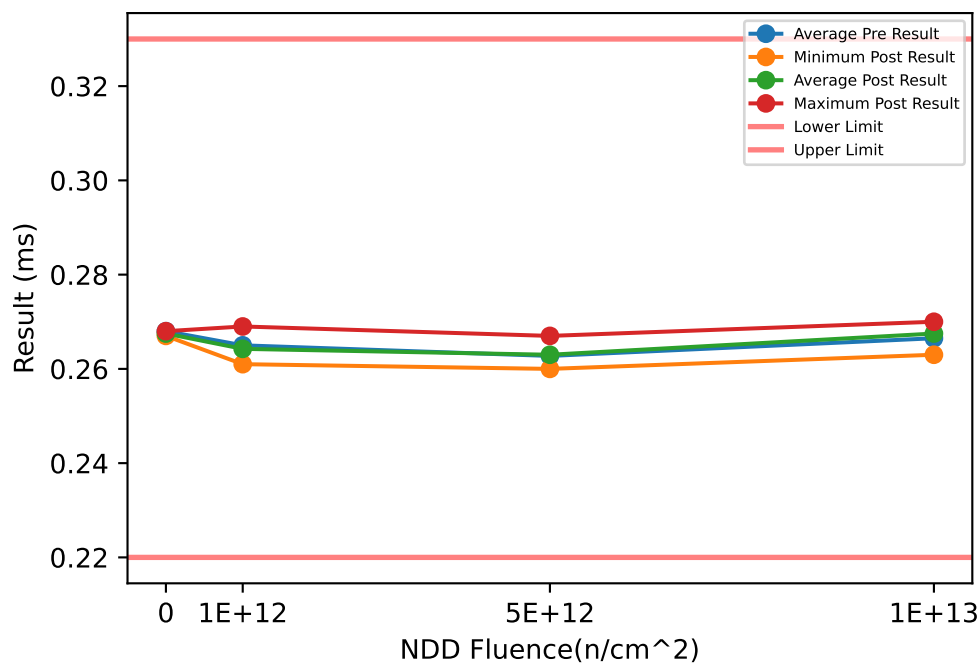


Test Statistics (ms)

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	0.266	0.267	0.268	0.0014142	0.267	0.268	0.269	0.0014142	0.001	0.001	0.001	0
1e+12	0.261	0.26475	0.27	0.0045	0.262	0.26525	0.269	0.0037749	-0.001	0.0005	0.001	0.001
5e+12	0.26	0.26225	0.266	0.0028723	0.259	0.26225	0.266	0.0028723	-0.001	0	0.002	0.0014142
1e+13	0.261	0.26675	0.27	0.0039476	0.261	0.26725	0.27	0.0041932	0	0.0005	0.001	0.00057735

Device Test: 5.25 ; DLY_TMR_10KOHM

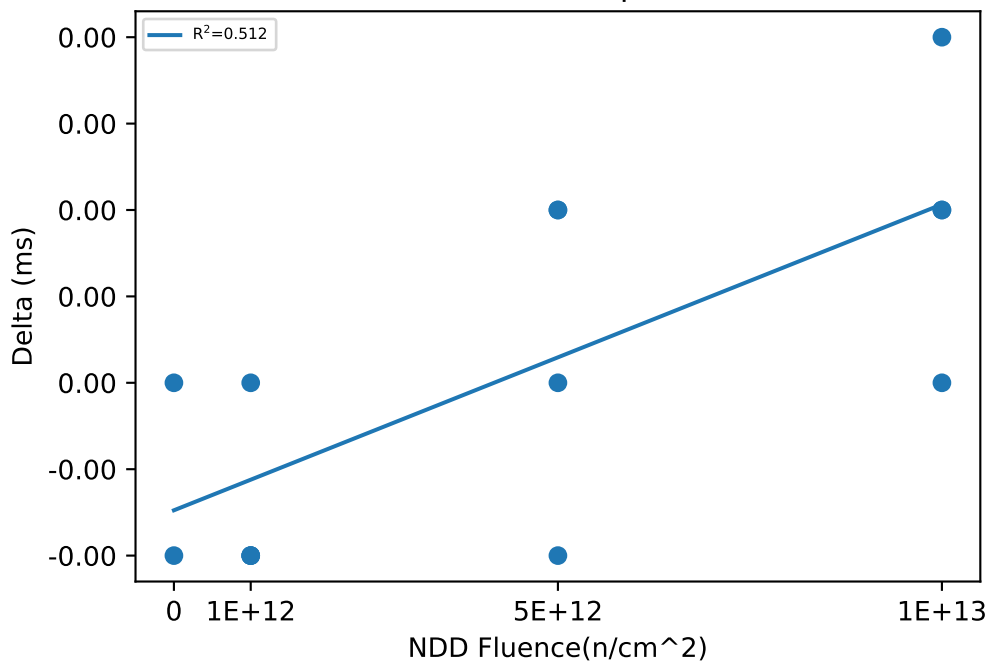
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.269	0.268	-0.001
301	0	Correlation	0.267	0.267	0
353	1e+12	NDD Unbiased	0.261	0.261	0
354	1e+12	NDD Unbiased	0.262	0.261	-0.001
355	1e+12	NDD Unbiased	0.27	0.269	-0.001
356	1e+12	NDD Unbiased	0.267	0.266	-0.001
357	5e+12	NDD Unbiased	0.259	0.26	0.001
358	5e+12	NDD Unbiased	0.263	0.263	0
359	5e+12	NDD Unbiased	0.268	0.267	-0.001
360	5e+12	NDD Unbiased	0.261	0.262	0.001
361	1e+13	NDD Unbiased	0.268	0.268	0
362	1e+13	NDD Unbiased	0.269	0.27	0.001
363	1e+13	NDD Unbiased	0.261	0.263	0.002
364	1e+13	NDD Unbiased	0.268	0.269	0.001

NDD vs Post - Pre Exposure Delta

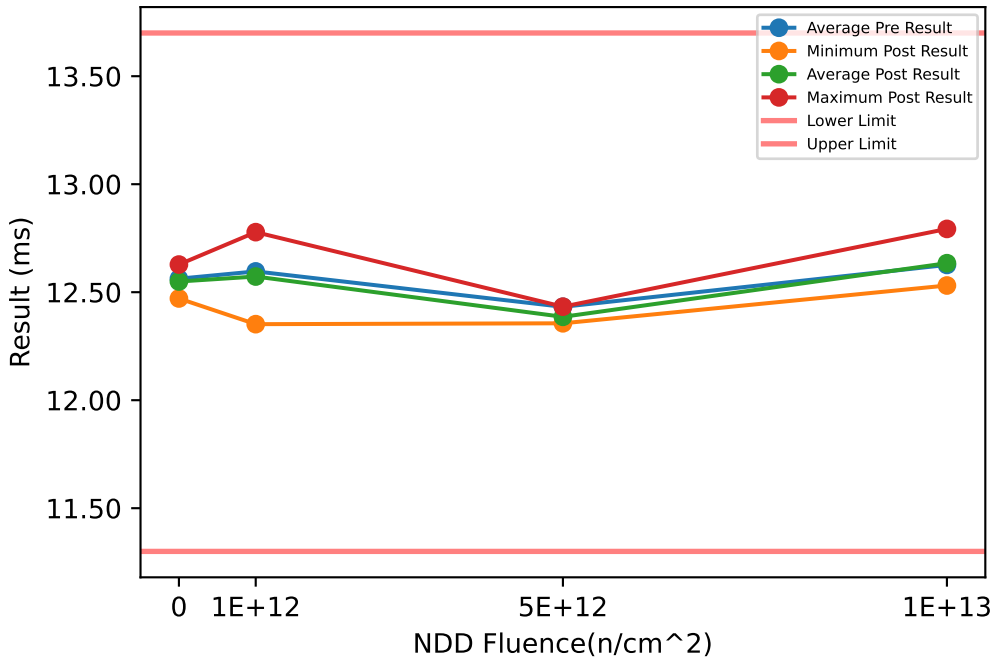


Test Statistics (ms)

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	0.267	0.268	0.269	0.0014142	0.267	0.2675	0.268	0.00070711	-0.001	-0.0005	0	0.00070711
1e+12	0.261	0.265	0.27	0.0042426	0.261	0.26425	0.269	0.0039476	-0.001	-0.00075	0	0.0005
5e+12	0.259	0.26275	0.268	0.0038622	0.26	0.263	0.267	0.0029439	-0.001	0.00025	0.001	0.00095743
1e+13	0.261	0.2665	0.269	0.0036968	0.263	0.2675	0.27	0.0031091	0	0.001	0.002	0.0008165

Device Test: 5.26 ; DLY_TMR_500KOHM

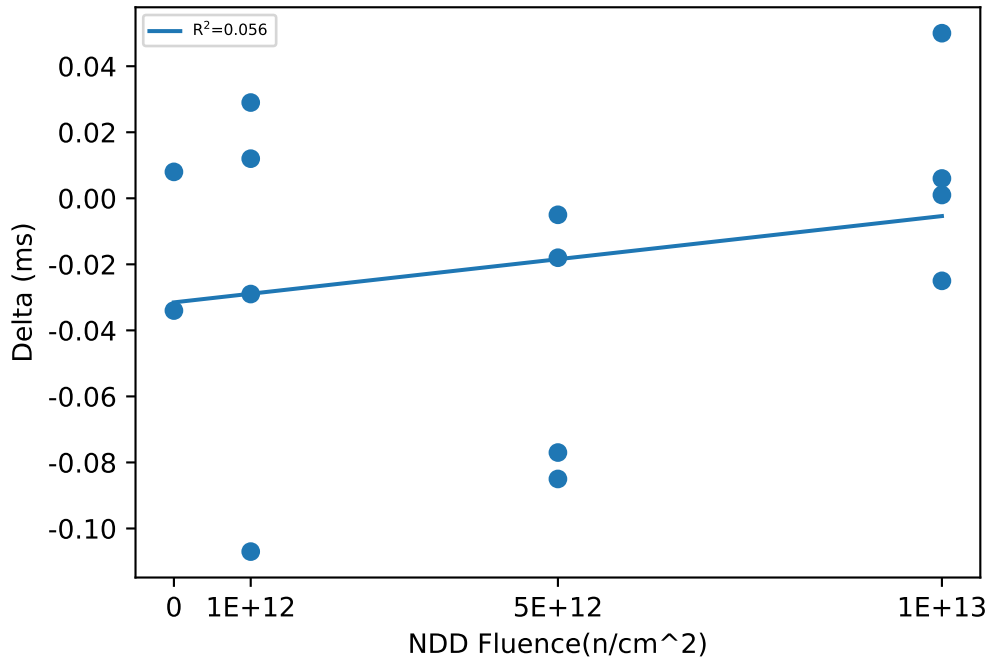
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.662	12.628	-0.034
301	0	Correlation	12.463	12.471	0.008
353	1e+12	NDD Unbiased	12.396	12.425	0.029
354	1e+12	NDD Unbiased	12.459	12.352	-0.107
355	1e+12	NDD Unbiased	12.807	12.778	-0.029
356	1e+12	NDD Unbiased	12.723	12.735	0.012
357	5e+12	NDD Unbiased	12.361	12.356	-0.005
358	5e+12	NDD Unbiased	12.482	12.397	-0.085
359	5e+12	NDD Unbiased	12.376	12.358	-0.018
360	5e+12	NDD Unbiased	12.51	12.433	-0.077
361	1e+13	NDD Unbiased	12.69	12.665	-0.025
362	1e+13	NDD Unbiased	12.792	12.793	0.001
363	1e+13	NDD Unbiased	12.498	12.548	0.05
364	1e+13	NDD Unbiased	12.525	12.531	0.006

NDD vs Post - Pre Exposure Delta

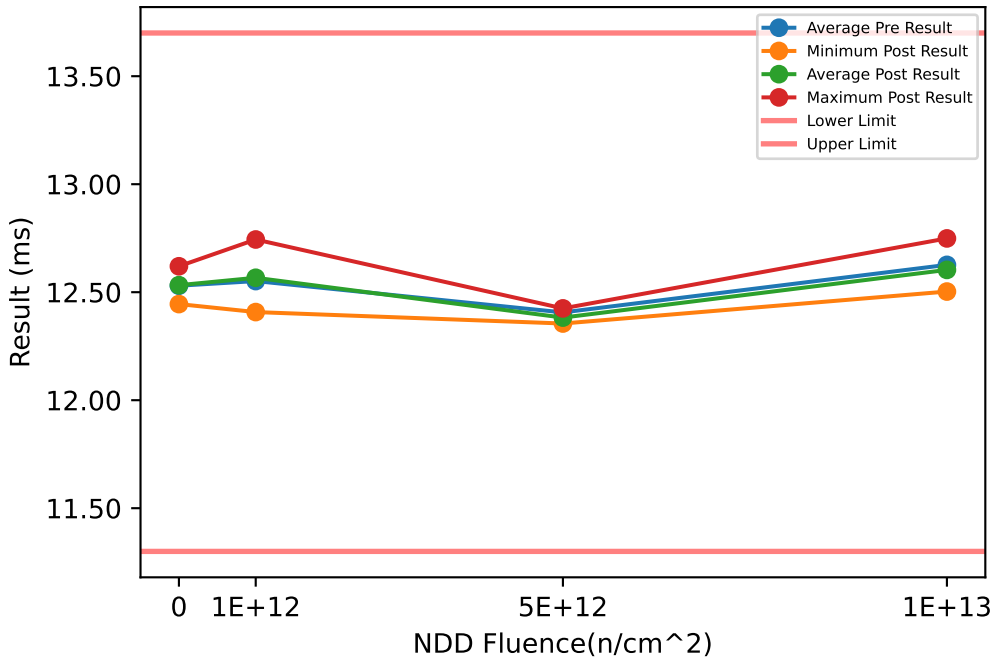


Test Statistics (ms)

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	12.463	12.562	12.662	0.14071	12.471	12.55	12.628	0.11102	-0.034	-0.013	0.008	0.029698
1e+12	12.396	12.596	12.807	0.19952	12.352	12.572	12.778	0.21526	-0.107	-0.02375	0.029	0.060605
5e+12	12.361	12.432	12.51	0.074746	12.356	12.386	12.433	0.036579	-0.085	-0.04625	-0.005	0.040607
1e+13	12.498	12.626	12.792	0.13933	12.531	12.634	12.793	0.12145	-0.025	0.008	0.05	0.031123

Device Test: 5.27 ; DLY_TMR_500KOHM

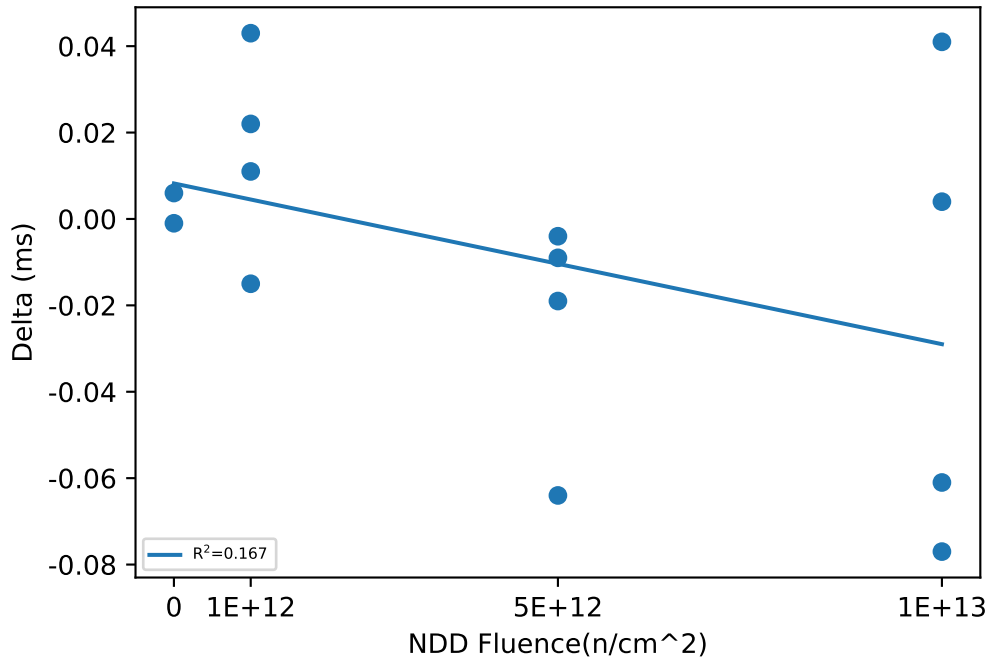
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.614	12.62	0.006
301	0	Correlation	12.446	12.445	-0.001
353	1e+12	NDD Unbiased	12.386	12.408	0.022
354	1e+12	NDD Unbiased	12.38	12.423	0.043
355	1e+12	NDD Unbiased	12.759	12.744	-0.015
356	1e+12	NDD Unbiased	12.681	12.692	0.011
357	5e+12	NDD Unbiased	12.365	12.356	-0.009
358	5e+12	NDD Unbiased	12.398	12.394	-0.004
359	5e+12	NDD Unbiased	12.374	12.355	-0.019
360	5e+12	NDD Unbiased	12.489	12.425	-0.064
361	1e+13	NDD Unbiased	12.691	12.63	-0.061
362	1e+13	NDD Unbiased	12.745	12.749	0.004
363	1e+13	NDD Unbiased	12.49	12.531	0.041
364	1e+13	NDD Unbiased	12.58	12.503	-0.077

NDD vs Post - Pre Exposure Delta

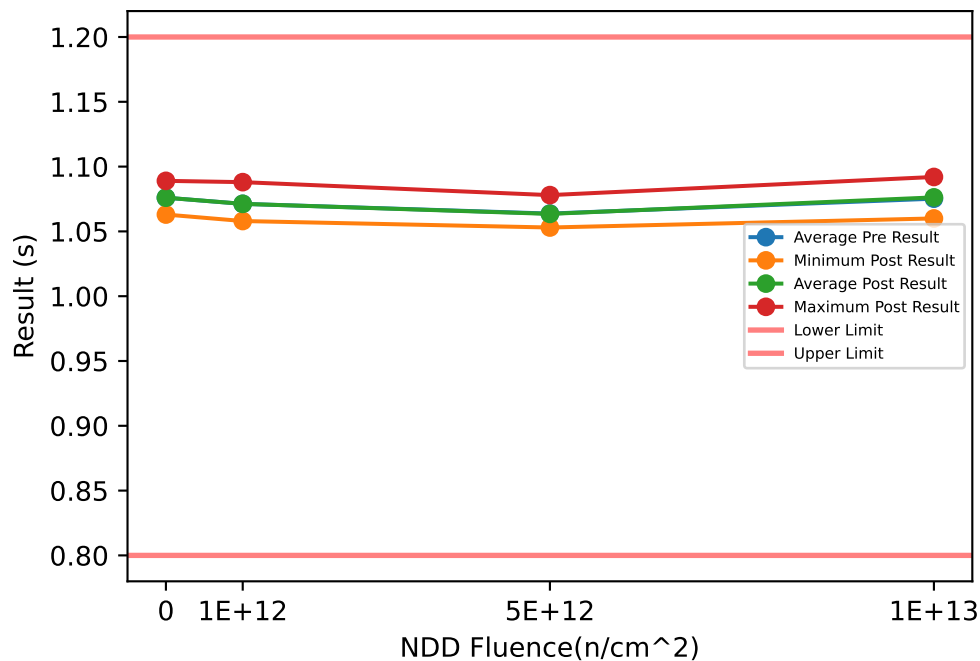


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.446	12.53	12.614	0.11879	12.445	12.532	12.62	0.12374	-0.001	0.0025	0.006	0.0049497
1e+12	12.38	12.552	12.759	0.19717	12.408	12.567	12.744	0.17604	-0.015	0.01525	0.043	0.024144
5e+12	12.365	12.407	12.489	0.056736	12.355	12.383	12.425	0.03365	-0.064	-0.024	-0.004	0.027386
1e+13	12.49	12.627	12.745	0.11401	12.503	12.603	12.749	0.1114	-0.077	-0.02325	0.041	0.055332

Device Test: 5.28 ; WD_TMR_500KOHM

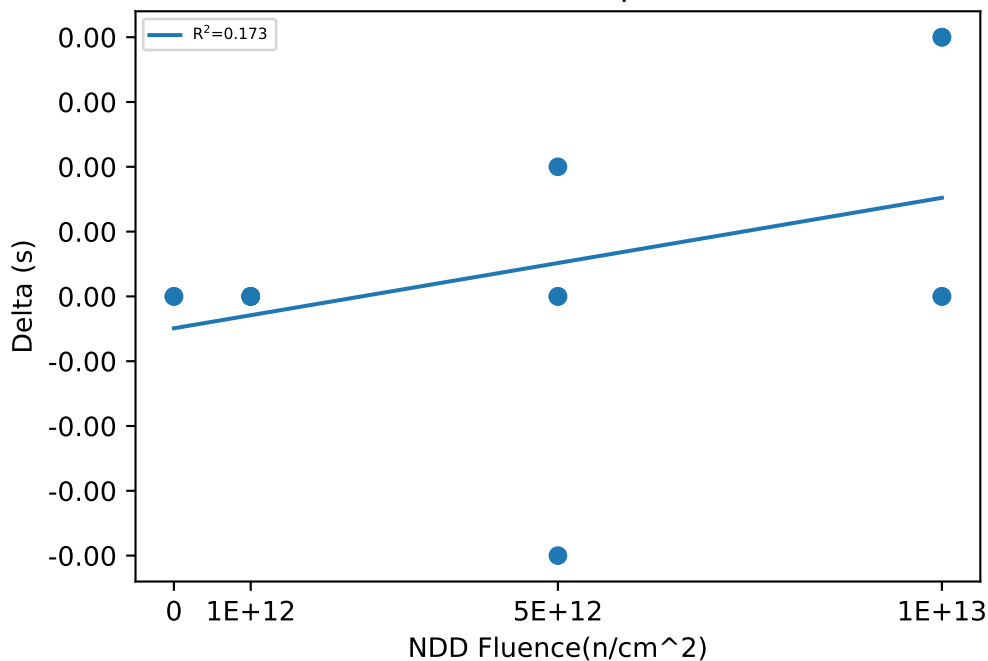
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.089	1.089	0
301	0	Correlation	1.063	1.063	0
353	1e+12	NDD Unbiased	1.058	1.058	0
354	1e+12	NDD Unbiased	1.069	1.069	0
355	1e+12	NDD Unbiased	1.088	1.088	0
356	1e+12	NDD Unbiased	1.07	1.07	0
357	5e+12	NDD Unbiased	1.067	1.067	0
358	5e+12	NDD Unbiased	1.08	1.078	-0.002
359	5e+12	NDD Unbiased	1.055	1.056	0.001
360	5e+12	NDD Unbiased	1.053	1.053	0
361	1e+13	NDD Unbiased	1.09	1.092	0.002
362	1e+13	NDD Unbiased	1.082	1.082	0
363	1e+13	NDD Unbiased	1.06	1.06	0
364	1e+13	NDD Unbiased	1.069	1.071	0.002

NDD vs Post - Pre Exposure Delta

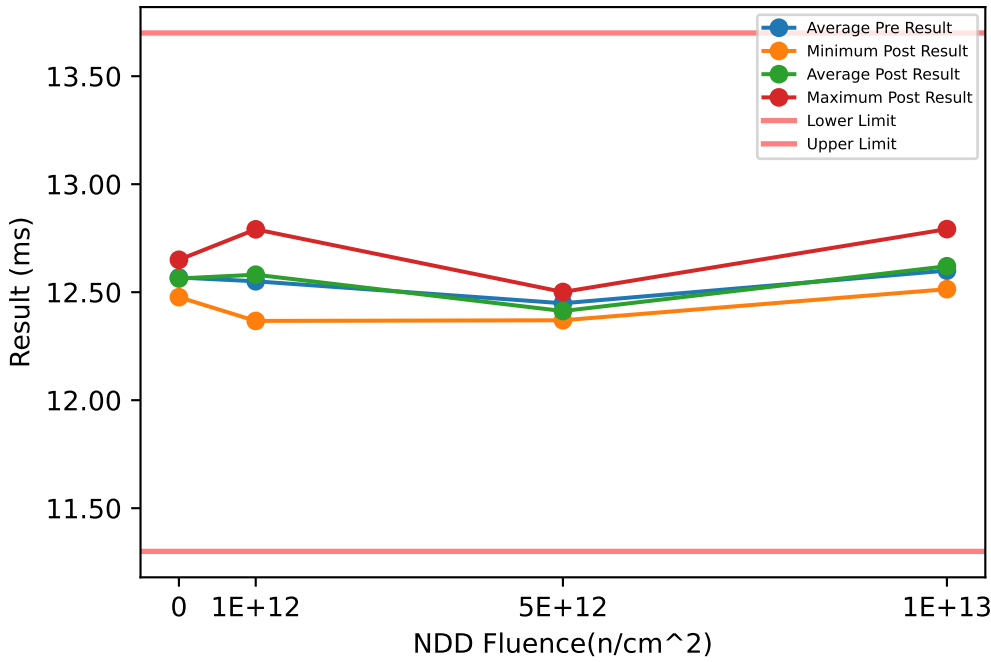


Test Statistics (s)

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	1.063	1.076	1.089	0.018385	1.063	1.076	1.089	0.018385	0	0	0	0
1e+12	1.058	1.0713	1.088	0.01242	1.058	1.0713	1.088	0.01242	0	0	0	0
5e+12	1.053	1.0637	1.08	0.012473	1.053	1.0635	1.078	0.011387	-0.002	-0.00025	0.001	0.0012583
1e+13	1.06	1.0753	1.09	0.013351	1.06	1.0762	1.092	0.013817	0	0.001	0.002	0.0011547

Device Test: 5.29 ; DLY_TMR_500KOHM

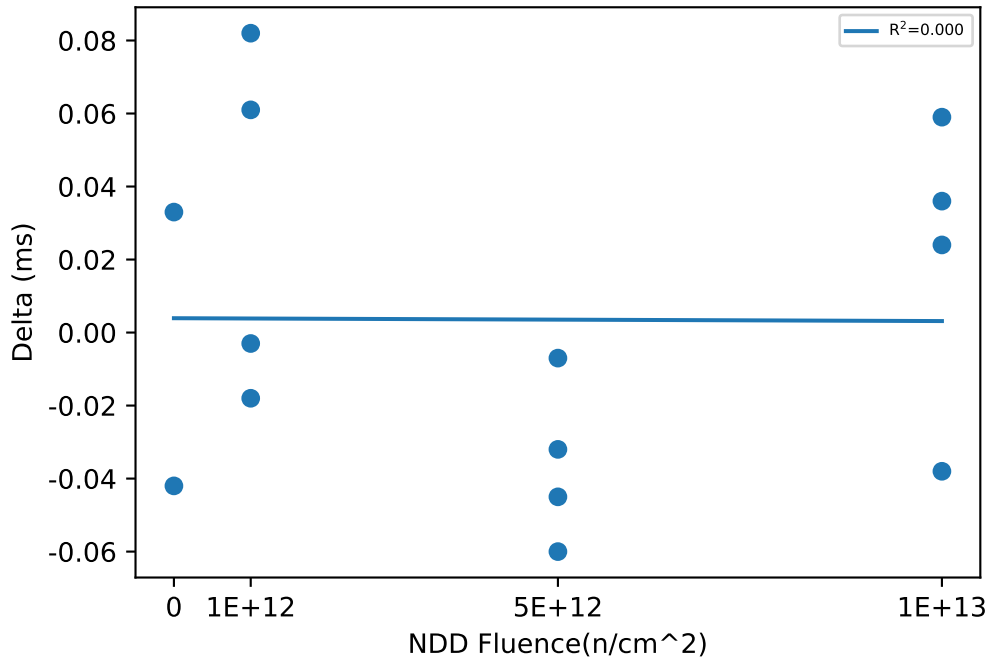
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.617	12.65	0.033
301	0	Correlation	12.519	12.477	-0.042
353	1e+12	NDD Unbiased	12.409	12.491	0.082
354	1e+12	NDD Unbiased	12.385	12.367	-0.018
355	1e+12	NDD Unbiased	12.73	12.791	0.061
356	1e+12	NDD Unbiased	12.678	12.675	-0.003
357	5e+12	NDD Unbiased	12.402	12.37	-0.032
358	5e+12	NDD Unbiased	12.468	12.408	-0.06
359	5e+12	NDD Unbiased	12.417	12.372	-0.045
360	5e+12	NDD Unbiased	12.508	12.501	-0.007
361	1e+13	NDD Unbiased	12.609	12.633	0.024
362	1e+13	NDD Unbiased	12.733	12.792	0.059
363	1e+13	NDD Unbiased	12.552	12.514	-0.038
364	1e+13	NDD Unbiased	12.506	12.542	0.036

NDD vs Post - Pre Exposure Delta

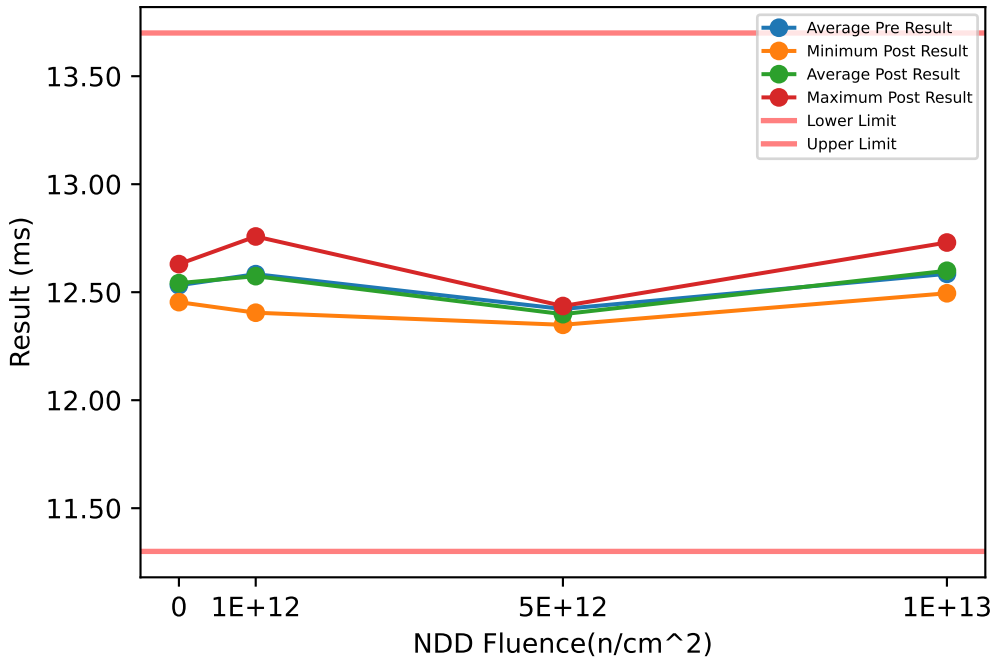


Test Statistics (ms)

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	12.519	12.568	12.617	0.069296	12.477	12.564	12.65	0.12233	-0.042	-0.0045	0.033	0.053033
1e+12	12.385	12.55	12.73	0.17878	12.367	12.581	12.791	0.18871	-0.018	0.0305	0.082	0.048501
5e+12	12.402	12.449	12.508	0.048562	12.37	12.413	12.501	0.06137	-0.06	-0.036	-0.007	0.022465
1e+13	12.506	12.6	12.733	0.098167	12.514	12.62	12.792	0.12526	-0.038	0.02025	0.059	0.04146

Device Test: 5.30 ; DLY_TMR_500KOHM

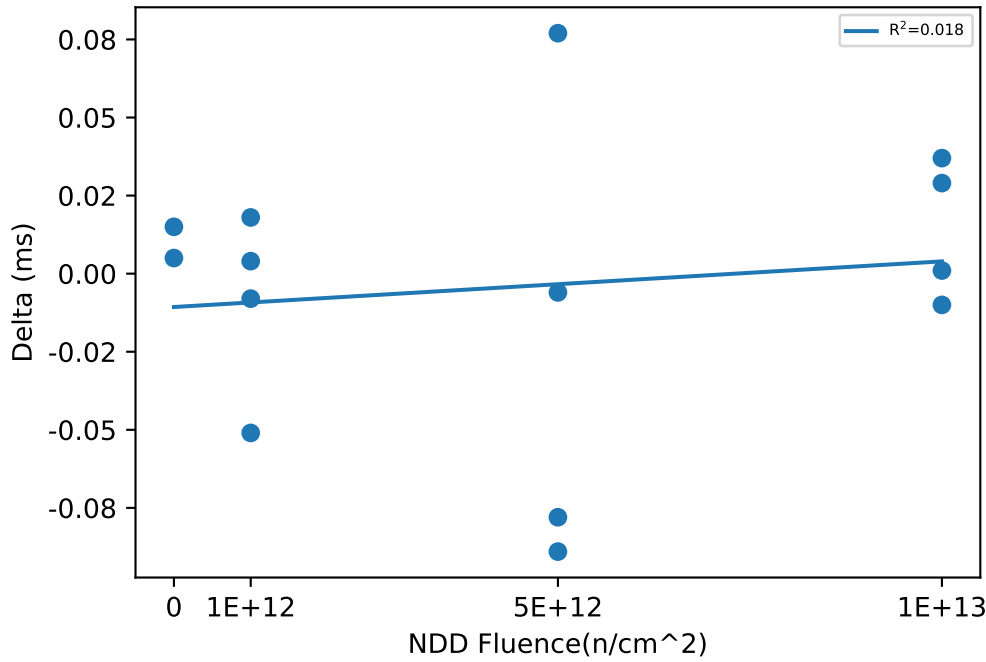
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.615	12.63	0.015
301	0	Correlation	12.449	12.454	0.005
353	1e+12	NDD Unbiased	12.456	12.405	-0.051
354	1e+12	NDD Unbiased	12.455	12.447	-0.008
355	1e+12	NDD Unbiased	12.754	12.758	0.004
356	1e+12	NDD Unbiased	12.669	12.687	0.018
357	5e+12	NDD Unbiased	12.359	12.436	0.077
358	5e+12	NDD Unbiased	12.394	12.388	-0.006
359	5e+12	NDD Unbiased	12.438	12.349	-0.089
360	5e+12	NDD Unbiased	12.498	12.42	-0.078
361	1e+13	NDD Unbiased	12.616	12.645	0.029
362	1e+13	NDD Unbiased	12.74	12.73	-0.01
363	1e+13	NDD Unbiased	12.49	12.527	0.037
364	1e+13	NDD Unbiased	12.494	12.495	0.001

NDD vs Post - Pre Exposure Delta

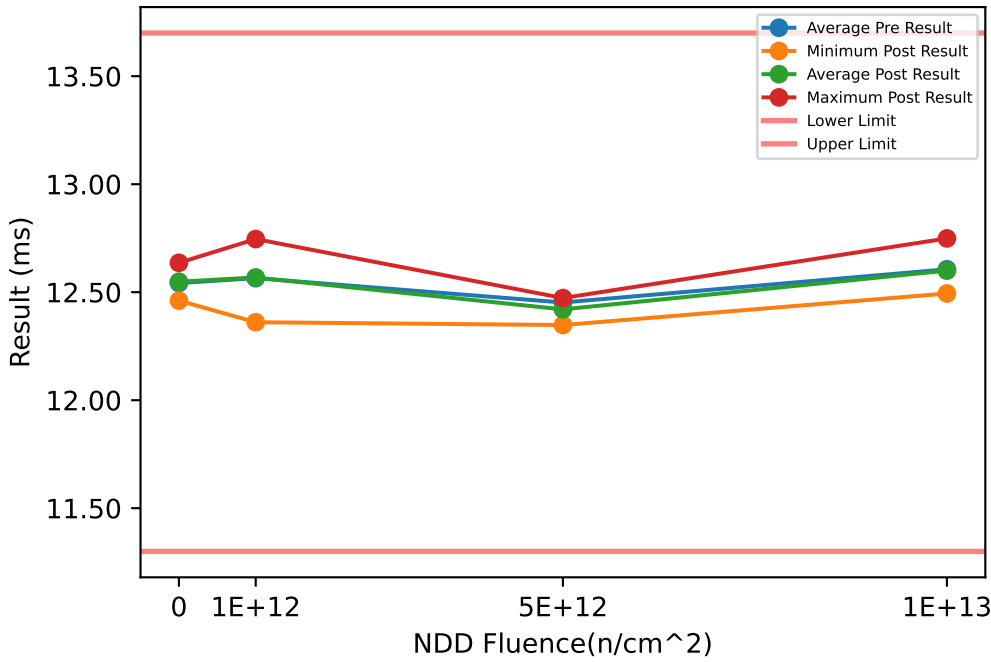


Test Statistics (ms)

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	12.449	12.532	12.615	0.11738	12.454	12.542	12.63	0.12445	0.005	0.01	0.015	0.0070711
1e+12	12.455	12.584	12.754	0.15182	12.405	12.574	12.758	0.17447	-0.051	-0.00925	0.018	0.029792
5e+12	12.359	12.422	12.498	0.059958	12.349	12.398	12.436	0.038422	-0.089	-0.024	0.077	0.076738
1e+13	12.49	12.585	12.74	0.11873	12.495	12.599	12.73	0.10844	-0.01	0.01425	0.037	0.022351

Device Test: 5.31 ; DLY_TMR_500KOHM

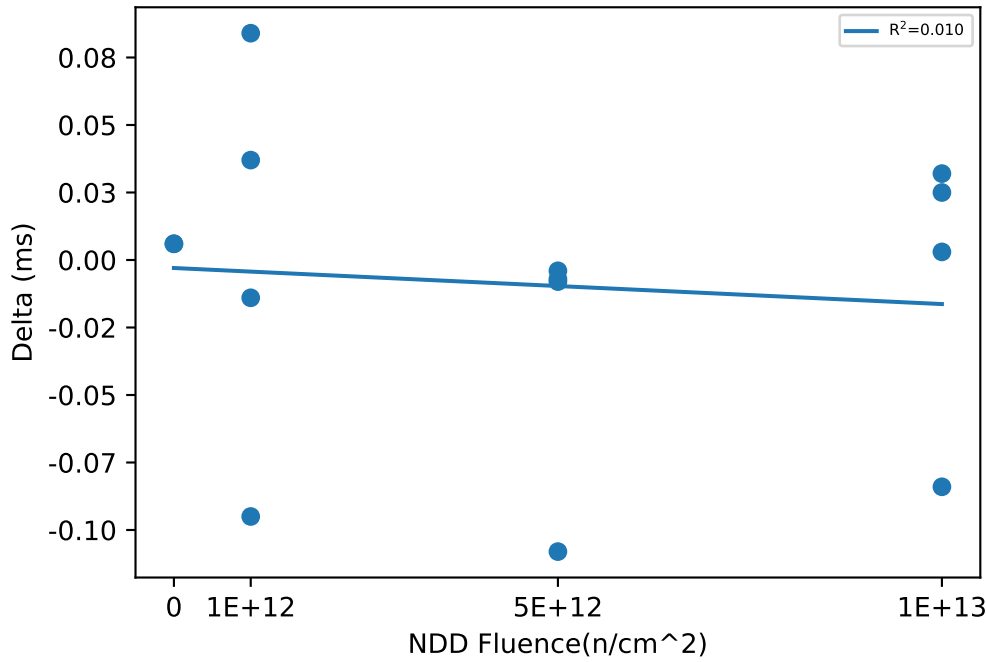
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.63	12.636	0.006
301	0	Correlation	12.455	12.461	0.006
353	1e+12	NDD Unbiased	12.387	12.471	0.084
354	1e+12	NDD Unbiased	12.456	12.361	-0.095
355	1e+12	NDD Unbiased	12.76	12.746	-0.014
356	1e+12	NDD Unbiased	12.657	12.694	0.037
357	5e+12	NDD Unbiased	12.444	12.436	-0.008
358	5e+12	NDD Unbiased	12.477	12.473	-0.004
359	5e+12	NDD Unbiased	12.456	12.348	-0.108
360	5e+12	NDD Unbiased	12.432	12.425	-0.007
361	1e+13	NDD Unbiased	12.603	12.628	0.025
362	1e+13	NDD Unbiased	12.746	12.749	0.003
363	1e+13	NDD Unbiased	12.497	12.529	0.032
364	1e+13	NDD Unbiased	12.578	12.494	-0.084

NDD vs Post - Pre Exposure Delta

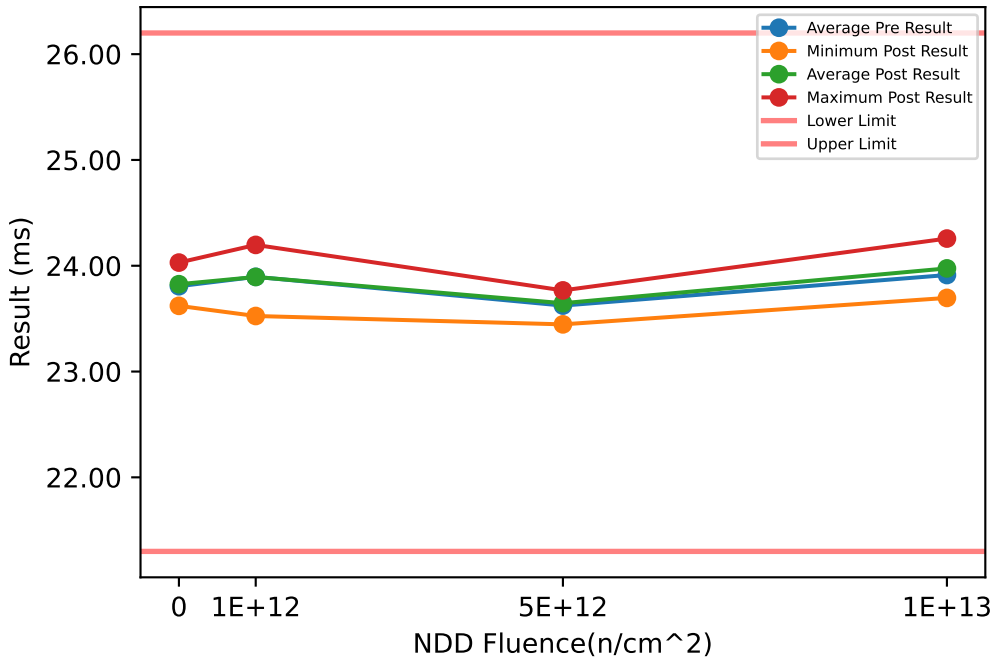


Test Statistics (ms)

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	12.455	12.543	12.63	0.12374	12.461	12.549	12.636	0.12374	0.006	0.006	0.006	1.2561e-15
1e+12	12.387	12.565	12.76	0.17326	12.361	12.568	12.746	0.18241	-0.095	0.003	0.084	0.076616
5e+12	12.432	12.452	12.477	0.01919	12.348	12.421	12.473	0.052513	-0.108	-0.03175	-0.004	0.050862
1e+13	12.497	12.606	12.746	0.10372	12.494	12.6	12.749	0.1144	-0.084	-0.006	0.032	0.053448

Device Test: 5.32 ; DLY_TMR_1MOHM

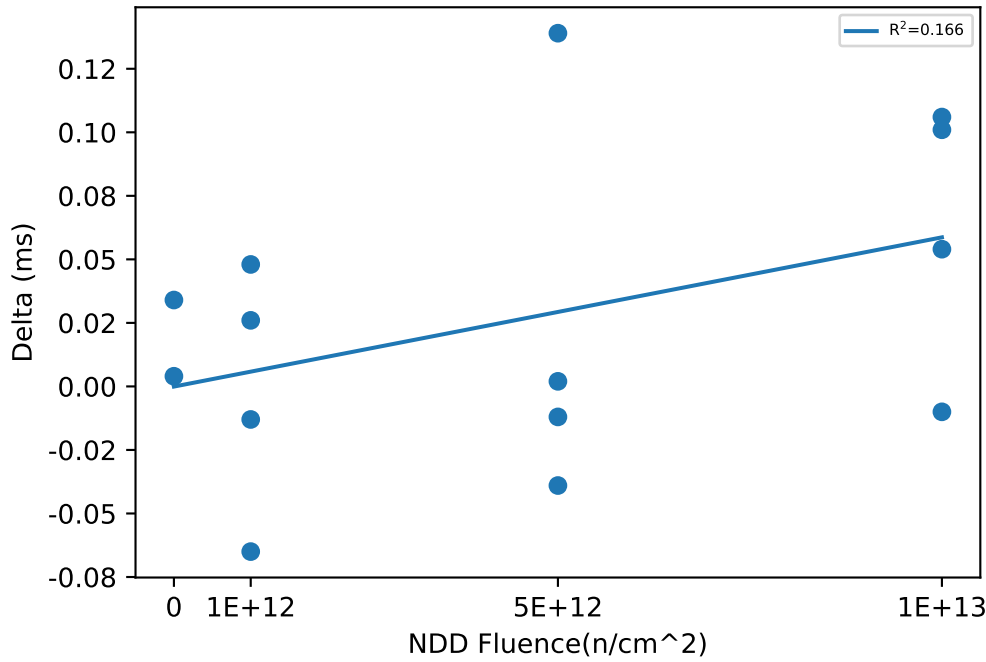
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.996	24.03	0.034
301	0	Correlation	23.617	23.621	0.004
353	1e+12	NDD Unbiased	23.66	23.708	0.048
354	1e+12	NDD Unbiased	23.59	23.525	-0.065
355	1e+12	NDD Unbiased	24.21	24.197	-0.013
356	1e+12	NDD Unbiased	24.12	24.146	0.026
357	5e+12	NDD Unbiased	23.645	23.633	-0.012
358	5e+12	NDD Unbiased	23.628	23.767	0.139
359	5e+12	NDD Unbiased	23.485	23.446	-0.039
360	5e+12	NDD Unbiased	23.736	23.738	0.002
361	1e+13	NDD Unbiased	23.912	24.013	0.101
362	1e+13	NDD Unbiased	24.267	24.257	-0.01
363	1e+13	NDD Unbiased	23.828	23.934	0.106
364	1e+13	NDD Unbiased	23.642	23.696	0.054

NDD vs Post - Pre Exposure Delta

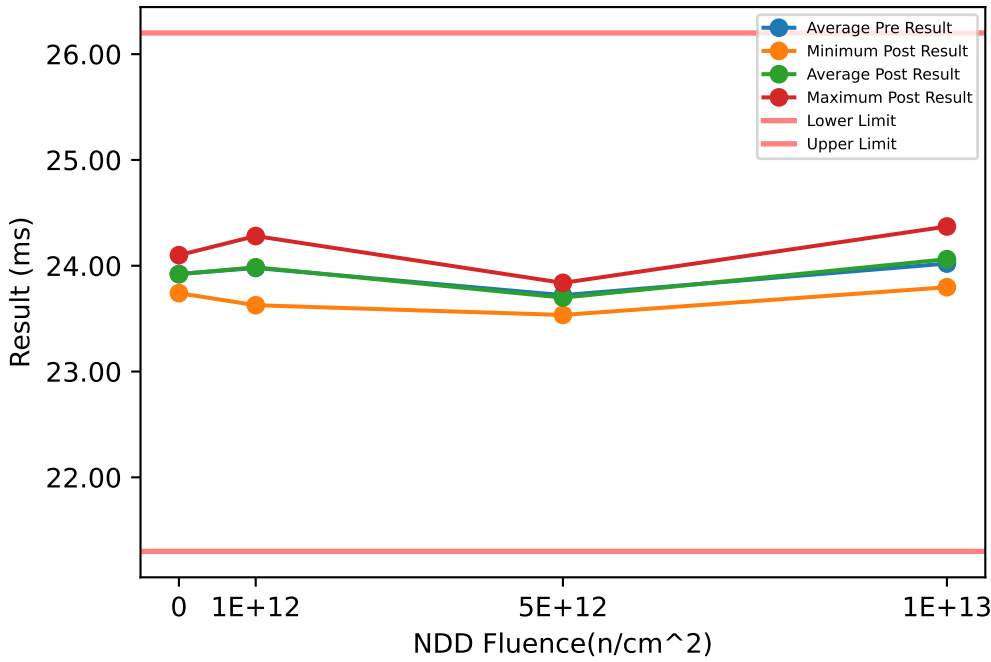


Test Statistics (ms)

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	23.617	23.806	23.996	0.26799	23.621	23.825	24.03	0.28921	0.004	0.019	0.034	0.021213
1e+12	23.59	23.895	24.21	0.31522	23.525	23.894	24.197	0.32968	-0.065	-0.001	0.048	0.049565
5e+12	23.485	23.623	23.736	0.1038	23.446	23.646	23.767	0.14523	-0.039	0.0225	0.139	0.079509
1e+13	23.642	23.912	24.267	0.26203	23.696	23.975	24.257	0.23129	-0.01	0.06275	0.106	0.05386

Device Test: 5.33 ; DLY_TMR_1MOHM

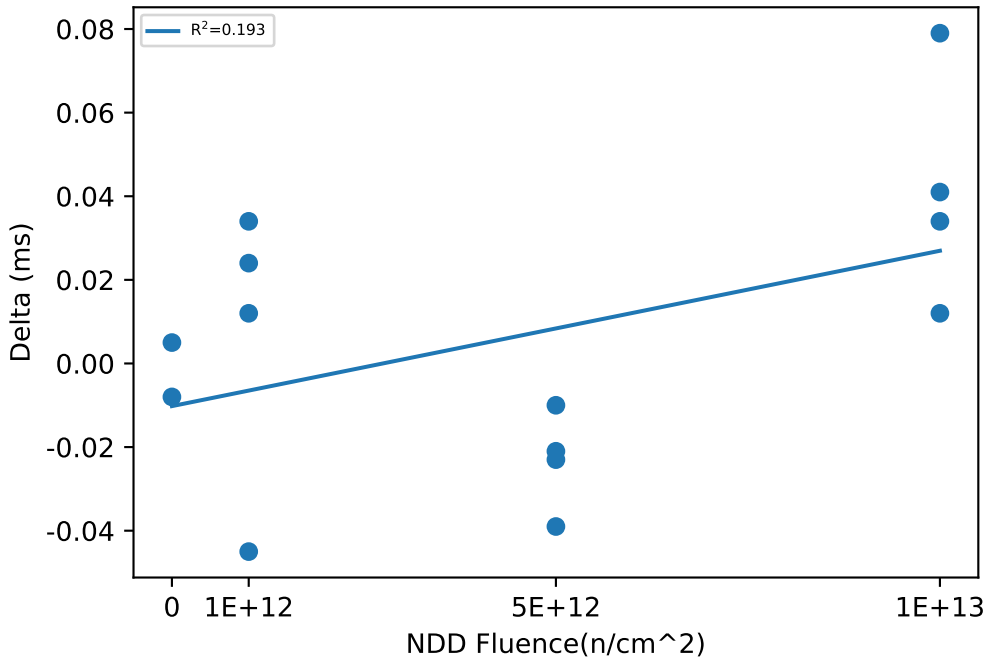
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.095	24.1	0.005
301	0	Correlation	23.749	23.741	-0.008
353	1e+12	NDD Unbiased	23.749	23.783	0.034
354	1e+12	NDD Unbiased	23.672	23.627	-0.045
355	1e+12	NDD Unbiased	24.269	24.281	0.012
356	1e+12	NDD Unbiased	24.226	24.25	0.024
357	5e+12	NDD Unbiased	23.726	23.716	-0.01
358	5e+12	NDD Unbiased	23.729	23.706	-0.023
359	5e+12	NDD Unbiased	23.574	23.535	-0.039
360	5e+12	NDD Unbiased	23.859	23.838	-0.021
361	1e+13	NDD Unbiased	24.039	24.073	0.034
362	1e+13	NDD Unbiased	24.359	24.371	0.012
363	1e+13	NDD Unbiased	23.928	24.007	0.079
364	1e+13	NDD Unbiased	23.756	23.797	0.041

NDD vs Post - Pre Exposure Delta

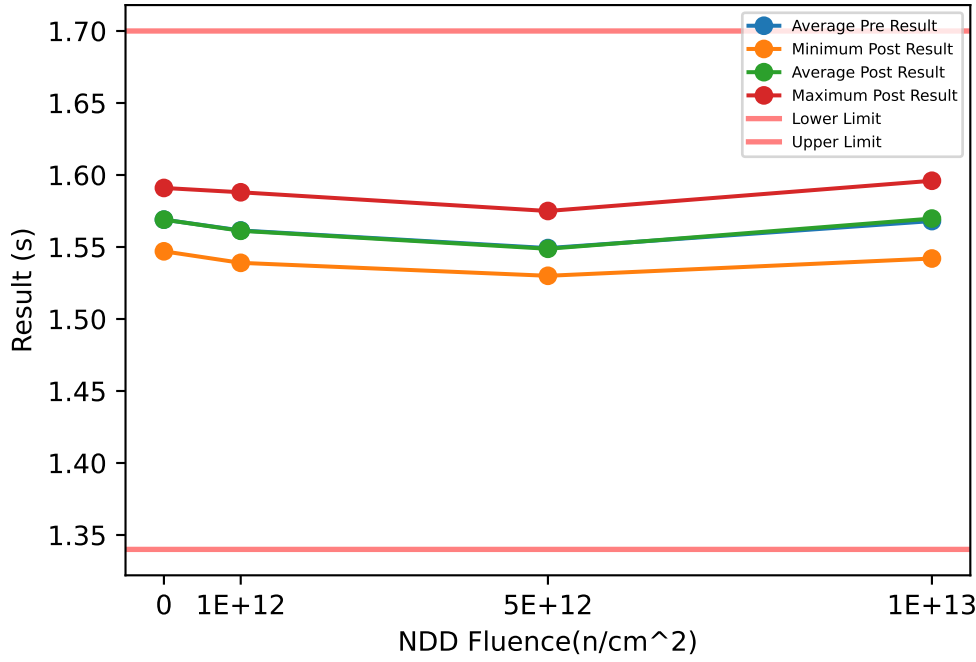


Test Statistics (ms)

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	23.749	23.922	24.095	0.24466	23.741	23.921	24.1	0.25385	-0.008	-0.0015	0.005	0.0091924
1e+12	23.672	23.979	24.269	0.31212	23.627	23.985	24.281	0.33005	-0.045	0.00625	0.034	0.035331
5e+12	23.574	23.722	23.859	0.11653	23.535	23.699	23.838	0.12457	-0.039	-0.02325	-0.01	0.011955
1e+13	23.756	24.021	24.359	0.25393	23.797	24.062	24.371	0.23724	0.012	0.0415	0.079	0.027887

Device Test: 5.34 ; WD_TMR_1MOHM

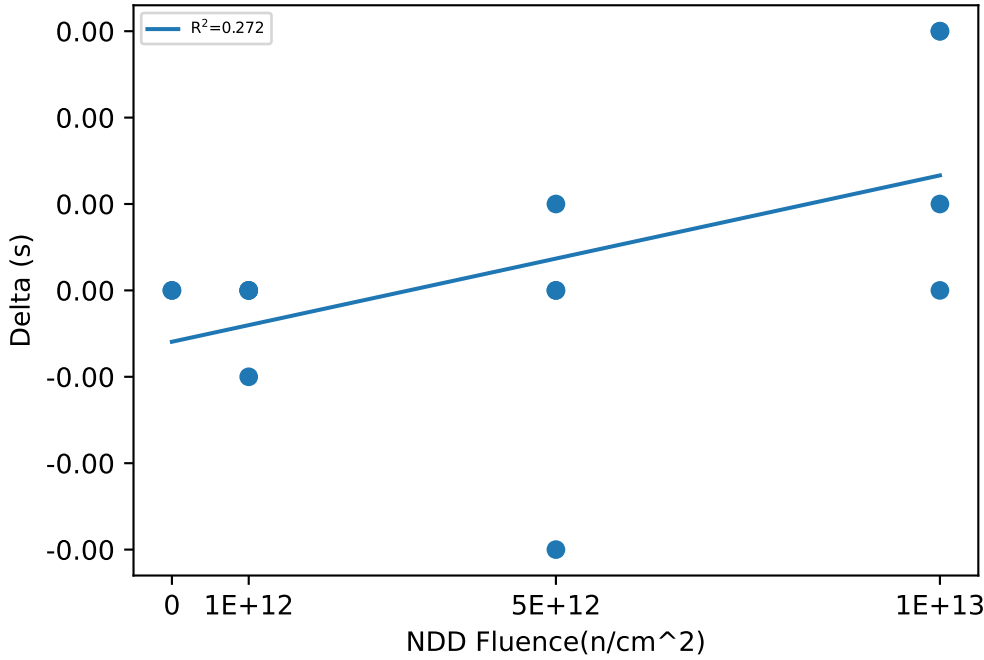
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.591	1.591	0
301	0	Correlation	1.547	1.547	0
353	1e+12	NDD Unbiased	1.539	1.539	0
354	1e+12	NDD Unbiased	1.558	1.558	0
355	1e+12	NDD Unbiased	1.589	1.588	-0.001
356	1e+12	NDD Unbiased	1.56	1.56	0
357	5e+12	NDD Unbiased	1.554	1.554	0
358	5e+12	NDD Unbiased	1.578	1.575	-0.003
359	5e+12	NDD Unbiased	1.535	1.536	0.001
360	5e+12	NDD Unbiased	1.53	1.53	0
361	1e+13	NDD Unbiased	1.593	1.596	0.003
362	1e+13	NDD Unbiased	1.579	1.58	0.001
363	1e+13	NDD Unbiased	1.542	1.542	0
364	1e+13	NDD Unbiased	1.558	1.561	0.003

NDD vs Post - Pre Exposure Delta

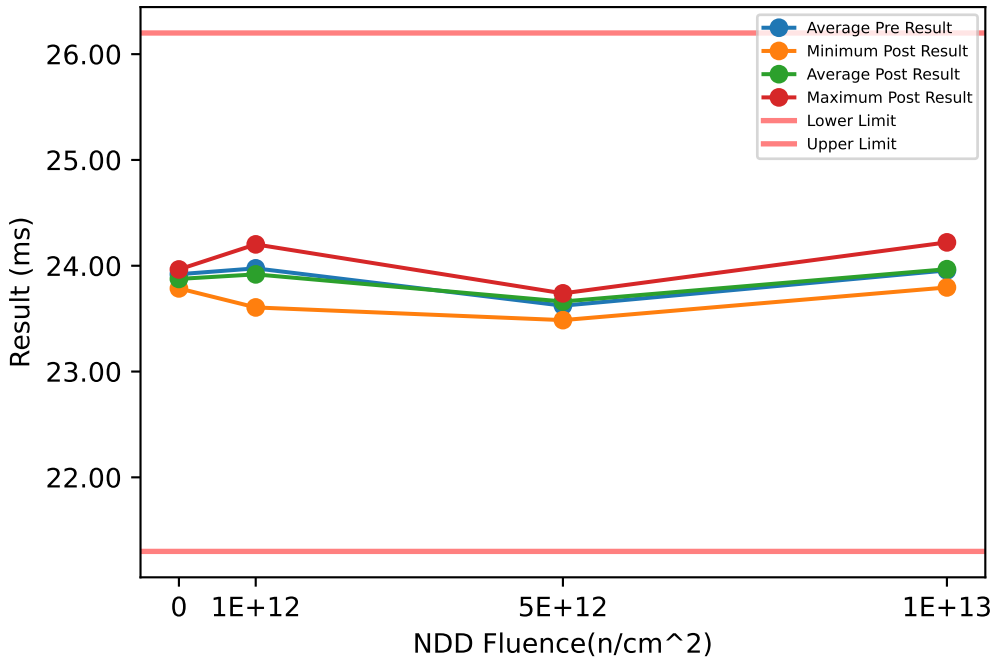


Test Statistics (s)

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	1.547	1.569	1.591	0.031113	1.547	1.569	1.591	0.031113	0	0	0	0
1e+12	1.539	1.5615	1.589	0.020632	1.539	1.5613	1.588	0.020189	-0.001	-0.00025	0	0.0005
5e+12	1.53	1.5493	1.578	0.021777	1.53	1.5488	1.575	0.020255	-0.003	-0.0005	0.001	0.0017321
1e+13	1.542	1.568	1.593	0.022524	1.542	1.5697	1.596	0.023386	0	0.00175	0.003	0.0015

Device Test: 5.35 ; DLY_TMR_1MOHM

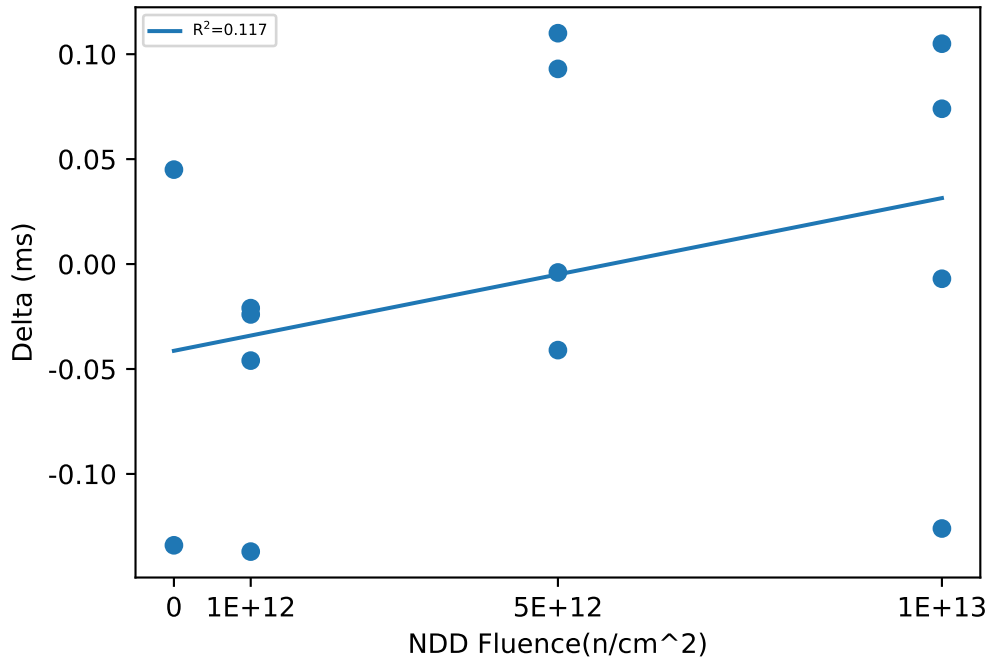
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.099	23.965	-0.134
301	0	Correlation	23.741	23.786	0.045
353	1e+12	NDD Unbiased	23.721	23.697	-0.024
354	1e+12	NDD Unbiased	23.652	23.606	-0.046
355	1e+12	NDD Unbiased	24.306	24.169	-0.137
356	1e+12	NDD Unbiased	24.223	24.202	-0.021
357	5e+12	NDD Unbiased	23.646	23.739	0.093
358	5e+12	NDD Unbiased	23.591	23.701	0.11
359	5e+12	NDD Unbiased	23.527	23.486	-0.041
360	5e+12	NDD Unbiased	23.726	23.722	-0.004
361	1e+13	NDD Unbiased	23.997	23.99	-0.007
362	1e+13	NDD Unbiased	24.347	24.221	-0.126
363	1e+13	NDD Unbiased	23.79	23.864	0.074
364	1e+13	NDD Unbiased	23.69	23.795	0.105

NDD vs Post - Pre Exposure Delta

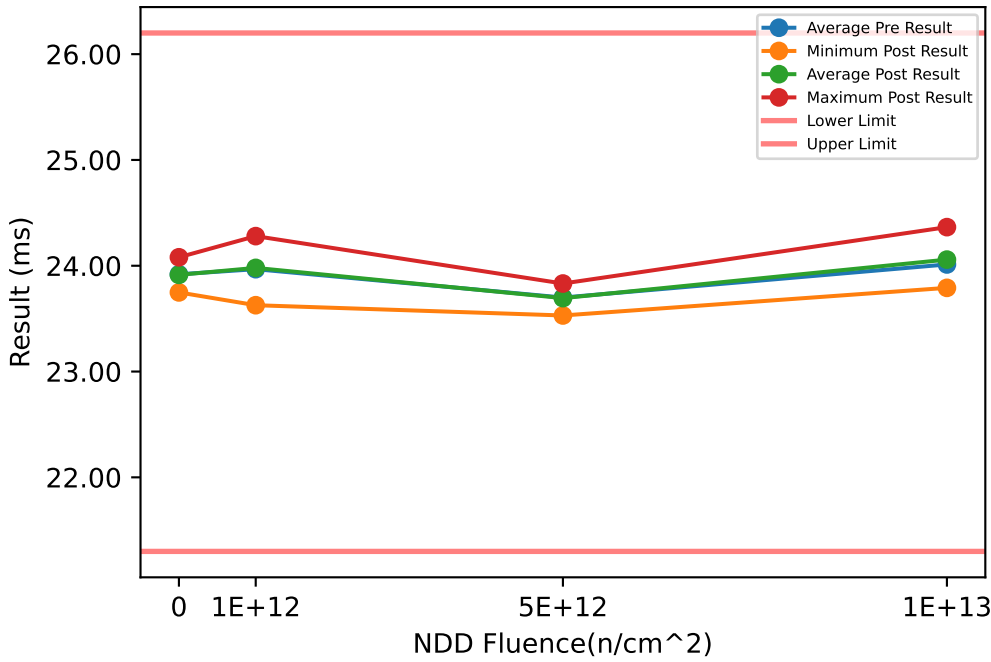


Test Statistics (ms)

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	23.741	23.92	24.099	0.25314	23.786	23.876	23.965	0.12657	-0.134	-0.0445	0.045	0.12657
1e+12	23.652	23.976	24.306	0.33661	23.606	23.919	24.202	0.31083	-0.137	-0.057	-0.021	0.054485
5e+12	23.527	23.623	23.726	0.084414	23.486	23.662	23.739	0.11836	-0.041	0.0395	0.11	0.073496
1e+13	23.69	23.956	24.347	0.29033	23.795	23.968	24.221	0.18729	-0.126	0.0115	0.105	0.10311

Device Test: 5.36 ; DLY_TMR_1MOHM

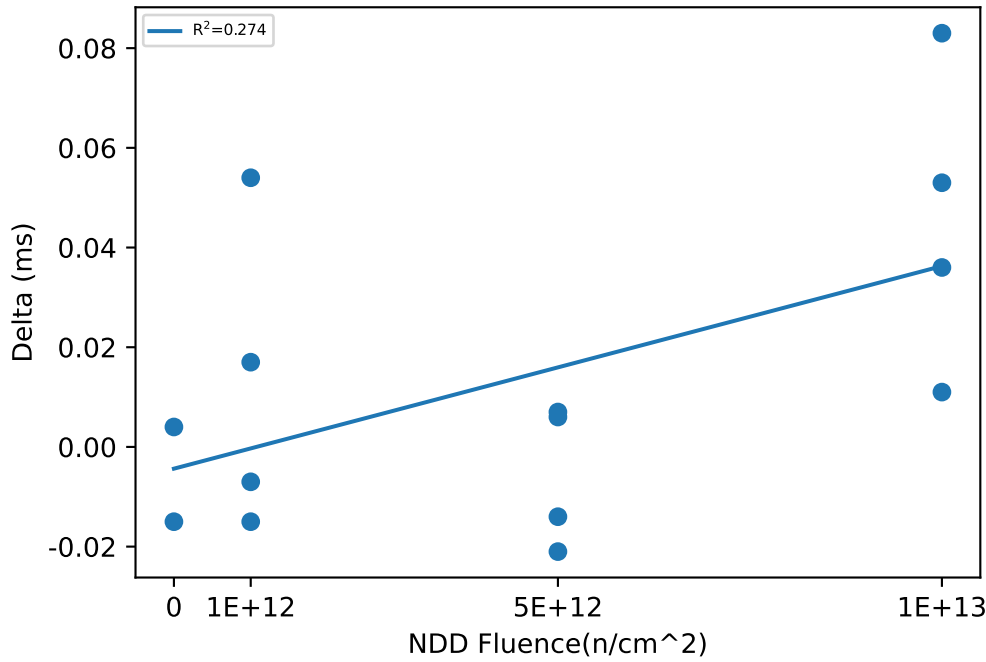
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.095	24.08	-0.015
301	0	Correlation	23.744	23.748	0.004
353	1e+12	NDD Unbiased	23.745	23.799	0.054
354	1e+12	NDD Unbiased	23.642	23.627	-0.015
355	1e+12	NDD Unbiased	24.263	24.28	0.017
356	1e+12	NDD Unbiased	24.22	24.213	-0.007
357	5e+12	NDD Unbiased	23.722	23.708	-0.014
358	5e+12	NDD Unbiased	23.699	23.706	0.007
359	5e+12	NDD Unbiased	23.551	23.53	-0.021
360	5e+12	NDD Unbiased	23.826	23.832	0.006
361	1e+13	NDD Unbiased	24.041	24.094	0.053
362	1e+13	NDD Unbiased	24.354	24.365	0.011
363	1e+13	NDD Unbiased	23.899	23.982	0.083
364	1e+13	NDD Unbiased	23.755	23.791	0.036

NDD vs Post - Pre Exposure Delta

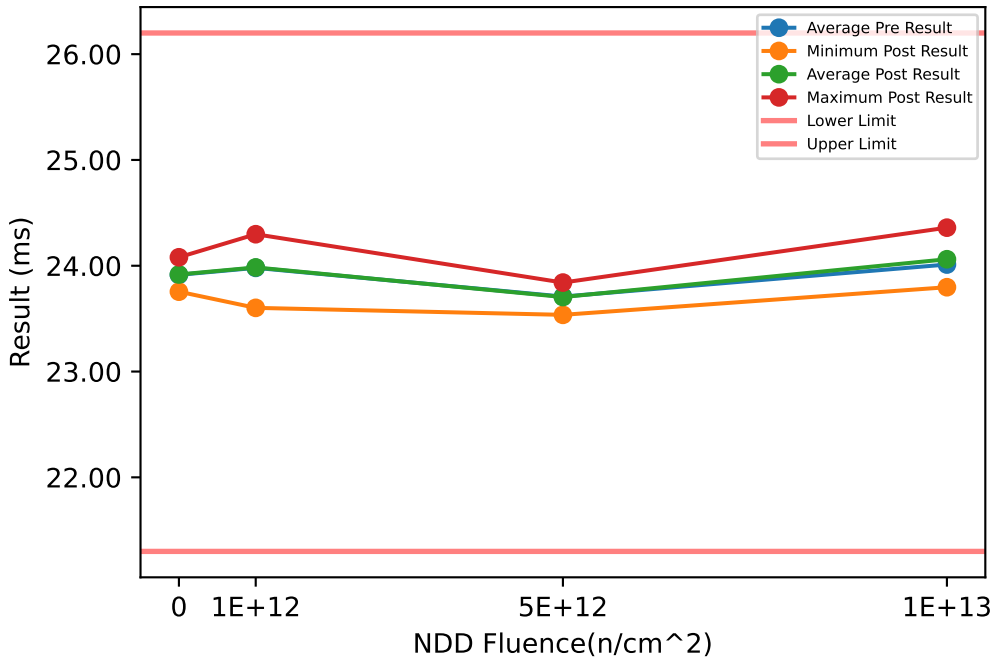


Test Statistics (ms)

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	23.744	23.919	24.095	0.24819	23.748	23.914	24.08	0.23476	-0.015	-0.0055	0.004	0.013435
1e+12	23.642	23.968	24.263	0.31965	23.627	23.98	24.28	0.3171	-0.015	0.01225	0.054	0.030977
5e+12	23.551	23.7	23.826	0.11337	23.53	23.694	23.832	0.1242	-0.021	-0.0055	0.007	0.014154
1e+13	23.755	24.012	24.354	0.25601	23.791	24.058	24.365	0.23987	0.011	0.04575	0.083	0.030237

Device Test: 5.37 ; DLY_TMR_1MOHM

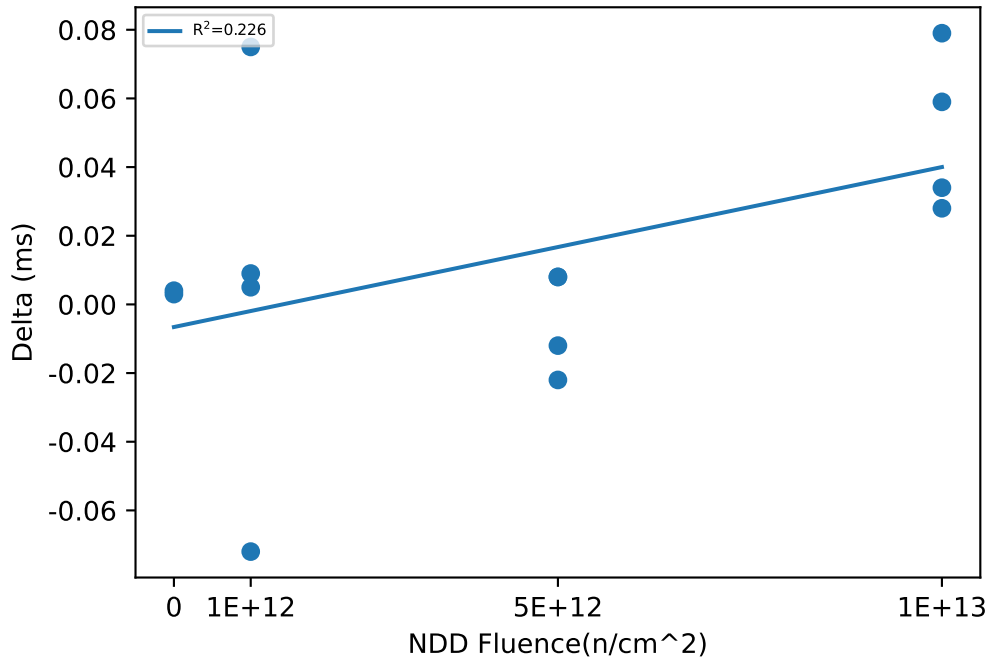
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.076	24.08	0.004
301	0	Correlation	23.752	23.755	0.003
353	1e+12	NDD Unbiased	23.733	23.808	0.075
354	1e+12	NDD Unbiased	23.674	23.602	-0.072
355	1e+12	NDD Unbiased	24.293	24.298	0.005
356	1e+12	NDD Unbiased	24.22	24.229	0.009
357	5e+12	NDD Unbiased	23.728	23.716	-0.012
358	5e+12	NDD Unbiased	23.716	23.724	0.008
359	5e+12	NDD Unbiased	23.558	23.536	-0.022
360	5e+12	NDD Unbiased	23.833	23.841	0.008
361	1e+13	NDD Unbiased	24.022	24.101	0.079
362	1e+13	NDD Unbiased	24.332	24.36	0.028
363	1e+13	NDD Unbiased	23.929	23.988	0.059
364	1e+13	NDD Unbiased	23.763	23.797	0.034

NDD vs Post - Pre Exposure Delta

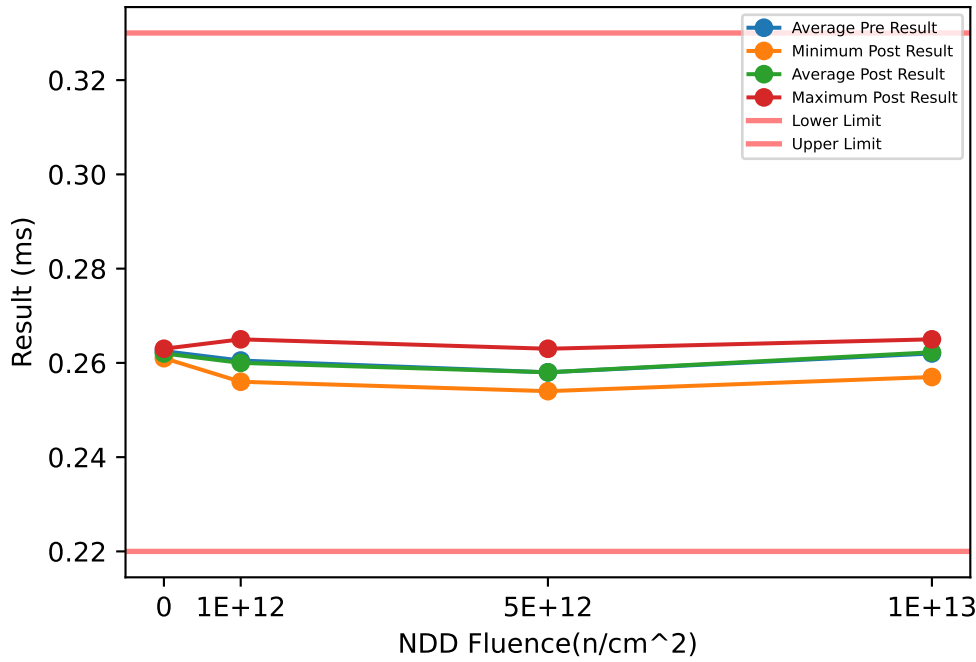


Test Statistics (ms)

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	23.752	23.914	24.076	0.2291	23.755	23.917	24.08	0.22981	0.003	0.0035	0.004	0.00070711
1e+12	23.674	23.98	24.293	0.32157	23.602	23.984	24.298	0.33443	-0.072	0.00425	0.075	0.060119
5e+12	23.558	23.709	23.833	0.11341	23.536	23.704	23.841	0.12588	-0.022	-0.0045	0.008	0.015
1e+13	23.763	24.011	24.332	0.23902	23.797	24.061	24.36	0.23525	0.028	0.05	0.079	0.023537

Device Test: 5.38 ; DLY_TMR_10KOHM

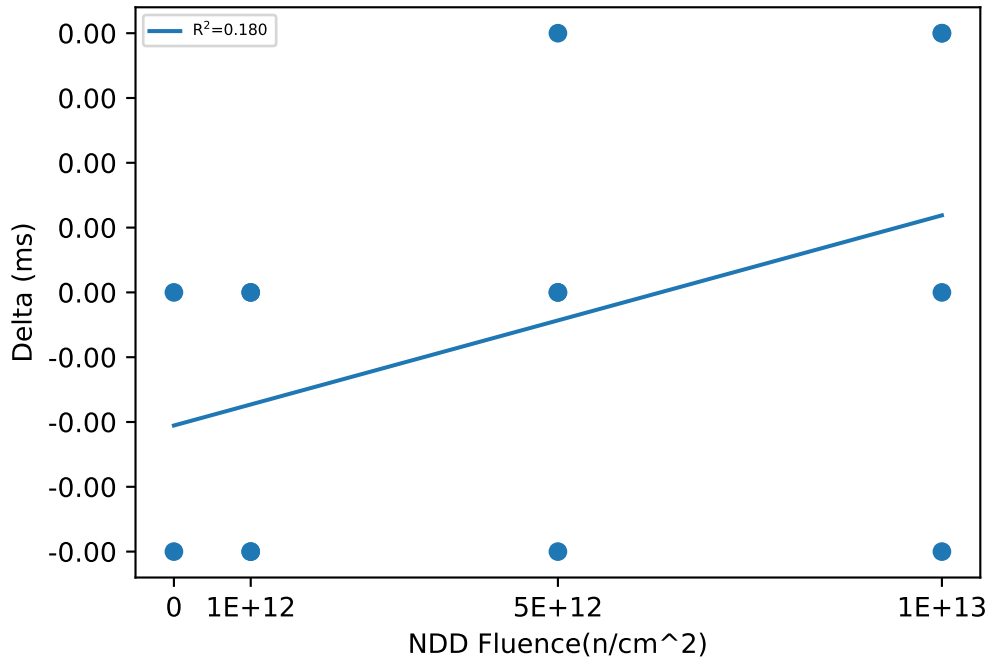
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.264	0.263	-0.001
301	0	Correlation	0.261	0.261	0
353	1e+12	NDD Unbiased	0.257	0.256	-0.001
354	1e+12	NDD Unbiased	0.257	0.256	-0.001
355	1e+12	NDD Unbiased	0.265	0.265	0
356	1e+12	NDD Unbiased	0.263	0.263	0
357	5e+12	NDD Unbiased	0.255	0.254	-0.001
358	5e+12	NDD Unbiased	0.258	0.258	0
359	5e+12	NDD Unbiased	0.262	0.263	0.001
360	5e+12	NDD Unbiased	0.257	0.257	0
361	1e+13	NDD Unbiased	0.264	0.263	-0.001
362	1e+13	NDD Unbiased	0.264	0.265	0.001
363	1e+13	NDD Unbiased	0.257	0.257	0
364	1e+13	NDD Unbiased	0.263	0.264	0.001

NDD vs Post - Pre Exposure Delta

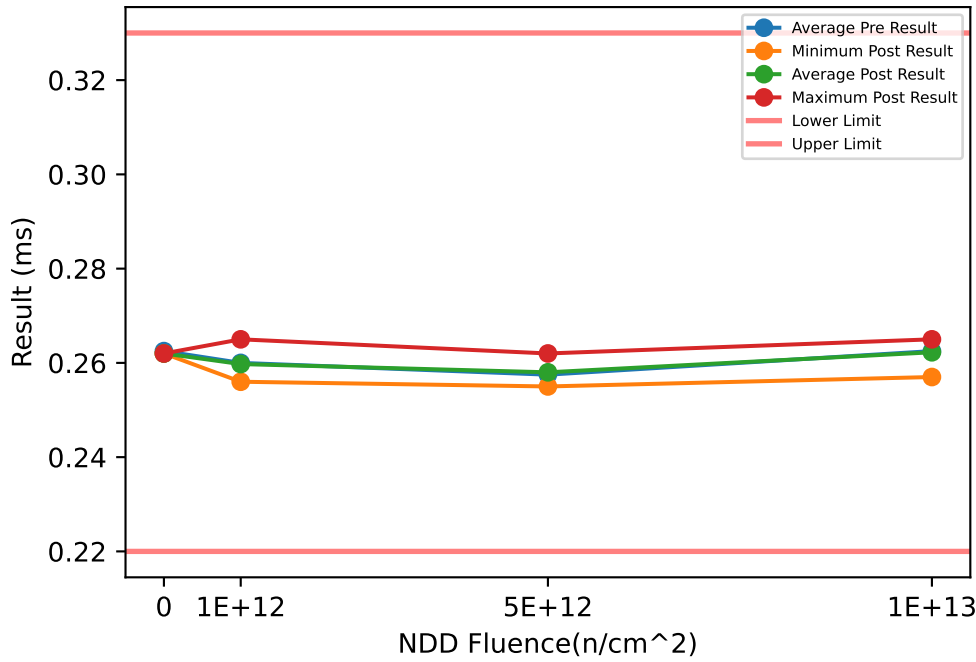


Test Statistics (ms)

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	0.261	0.2625	0.264	0.0021213	0.261	0.262	0.263	0.0014142	-0.001	-0.0005	0	0.00070711
1e+12	0.257	0.2605	0.265	0.0041231	0.256	0.26	0.265	0.0046904	-0.001	-0.0005	0	0.00057735
5e+12	0.255	0.258	0.262	0.0029439	0.254	0.258	0.263	0.0037417	-0.001	0	0.001	0.0008165
1e+13	0.257	0.262	0.264	0.0033665	0.257	0.26225	0.265	0.003594	-0.001	0.00025	0.001	0.00095743

Device Test: 5.39 ; DLY_TMR_10KOHM

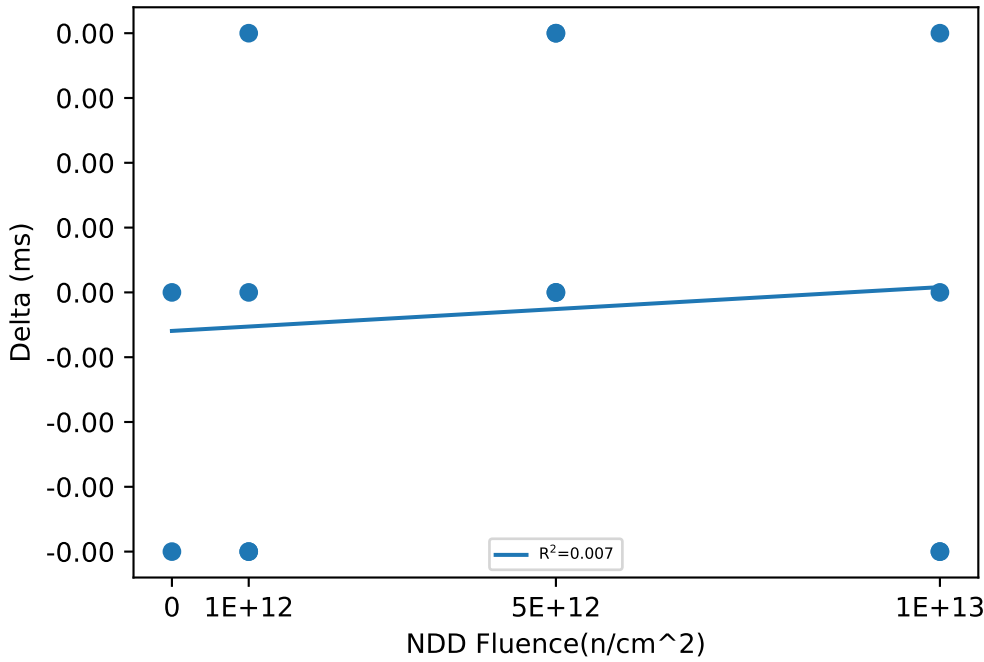
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.263	0.262	-0.001
301	0	Correlation	0.262	0.262	0
353	1e+12	NDD Unbiased	0.256	0.256	0
354	1e+12	NDD Unbiased	0.257	0.256	-0.001
355	1e+12	NDD Unbiased	0.264	0.265	0.001
356	1e+12	NDD Unbiased	0.263	0.262	-0.001
357	5e+12	NDD Unbiased	0.255	0.255	0
358	5e+12	NDD Unbiased	0.258	0.258	0
359	5e+12	NDD Unbiased	0.261	0.262	0.001
360	5e+12	NDD Unbiased	0.256	0.257	0.001
361	1e+13	NDD Unbiased	0.264	0.263	-0.001
362	1e+13	NDD Unbiased	0.264	0.265	0.001
363	1e+13	NDD Unbiased	0.258	0.257	-0.001
364	1e+13	NDD Unbiased	0.264	0.264	0

NDD vs Post - Pre Exposure Delta

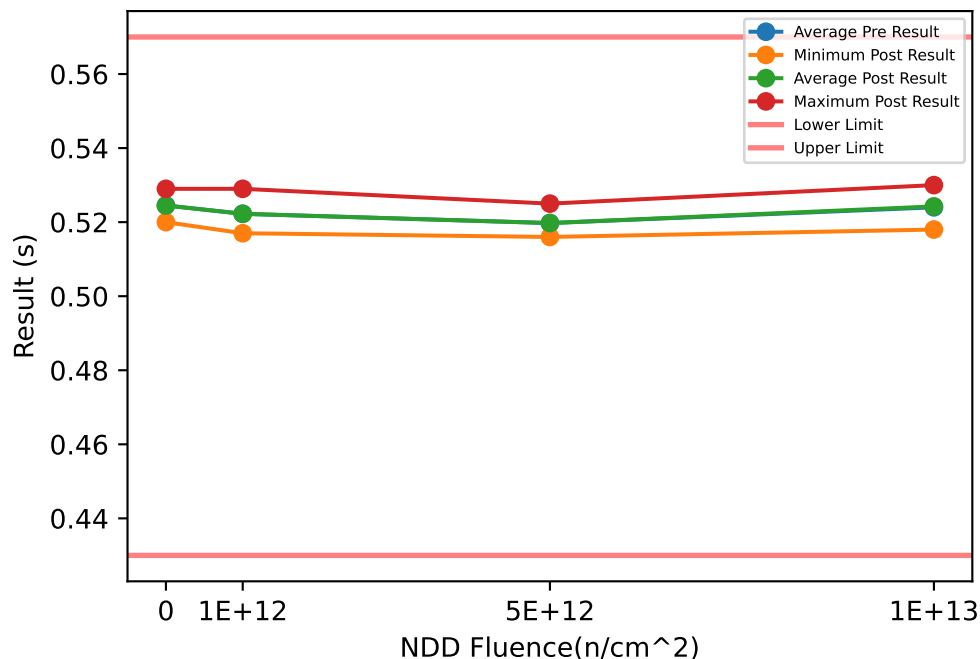


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.2625	0.263	0.00070711	0.262	0.262	0.262	0	-0.001	-0.0005	0	0.00070711
1e+12	0.256	0.26	0.264	0.0040825	0.256	0.25975	0.265	0.0045	-0.001	-0.00025	0.001	0.00095743
5e+12	0.255	0.2575	0.261	0.0026458	0.255	0.258	0.262	0.0029439	0	0.0005	0.001	0.00057735
1e+13	0.258	0.2625	0.264	0.003	0.257	0.26225	0.265	0.003594	-0.001	-0.00025	0.001	0.00095743

Device Test: 5.40 ; WD_TMR_10KOHM

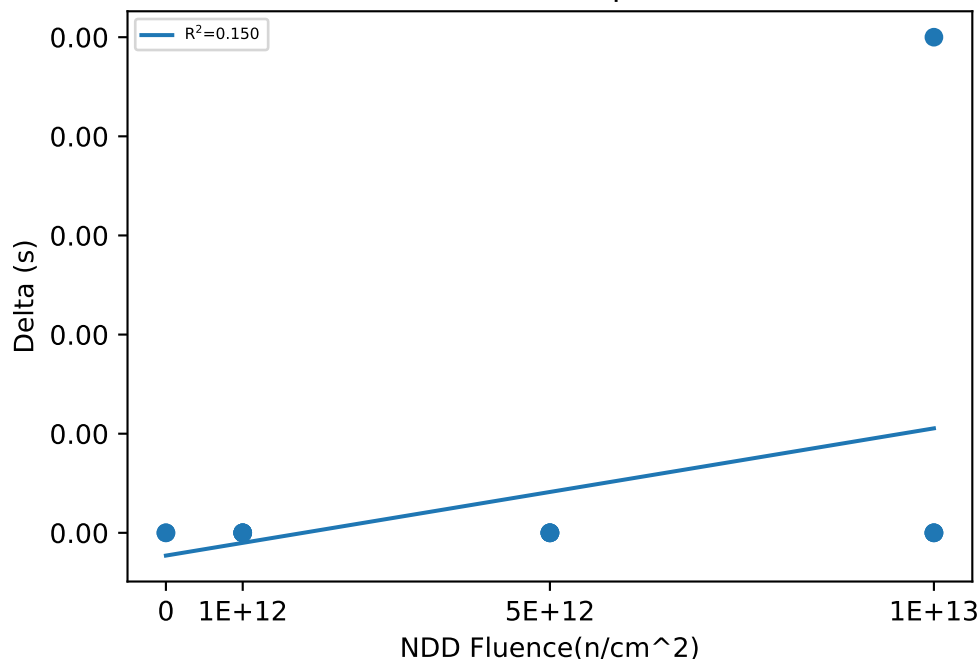
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.529	0.529	0
301	0	Correlation	0.52	0.52	0
353	1e+12	NDD Unbiased	0.517	0.517	0
354	1e+12	NDD Unbiased	0.521	0.521	0
355	1e+12	NDD Unbiased	0.529	0.529	0
356	1e+12	NDD Unbiased	0.522	0.522	0
357	5e+12	NDD Unbiased	0.522	0.522	0
358	5e+12	NDD Unbiased	0.525	0.525	0
359	5e+12	NDD Unbiased	0.516	0.516	0
360	5e+12	NDD Unbiased	0.516	0.516	0
361	1e+13	NDD Unbiased	0.529	0.53	0.001
362	1e+13	NDD Unbiased	0.527	0.527	0
363	1e+13	NDD Unbiased	0.518	0.518	0
364	1e+13	NDD Unbiased	0.522	0.522	0

NDD vs Post - Pre Exposure Delta

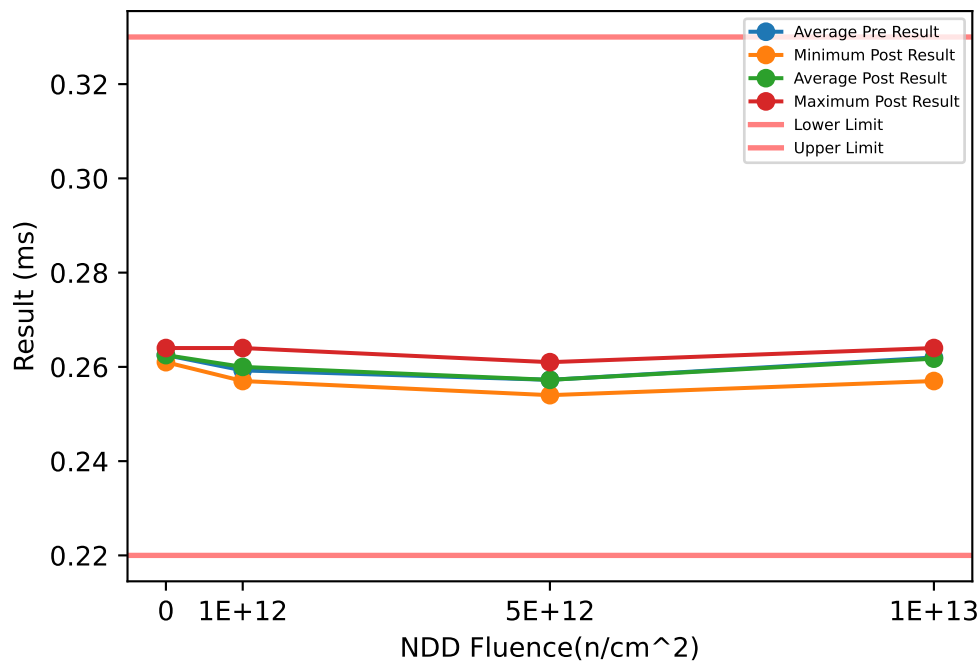


Test Statistics (s)

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	0.52	0.5245	0.529	0.006364	0.52	0.5245	0.529	0.006364	0	0	0	0
1e+12	0.517	0.52225	0.529	0.0049917	0.517	0.52225	0.529	0.0049917	0	0	0	0
5e+12	0.516	0.51975	0.525	0.0045	0.516	0.51975	0.525	0.0045	0	0	0	0
1e+13	0.518	0.524	0.529	0.0049666	0.518	0.52425	0.53	0.0053151	0	0.00025	0.001	0.0005

Device Test: 5.41 ; DLY_TMR_10KOHM

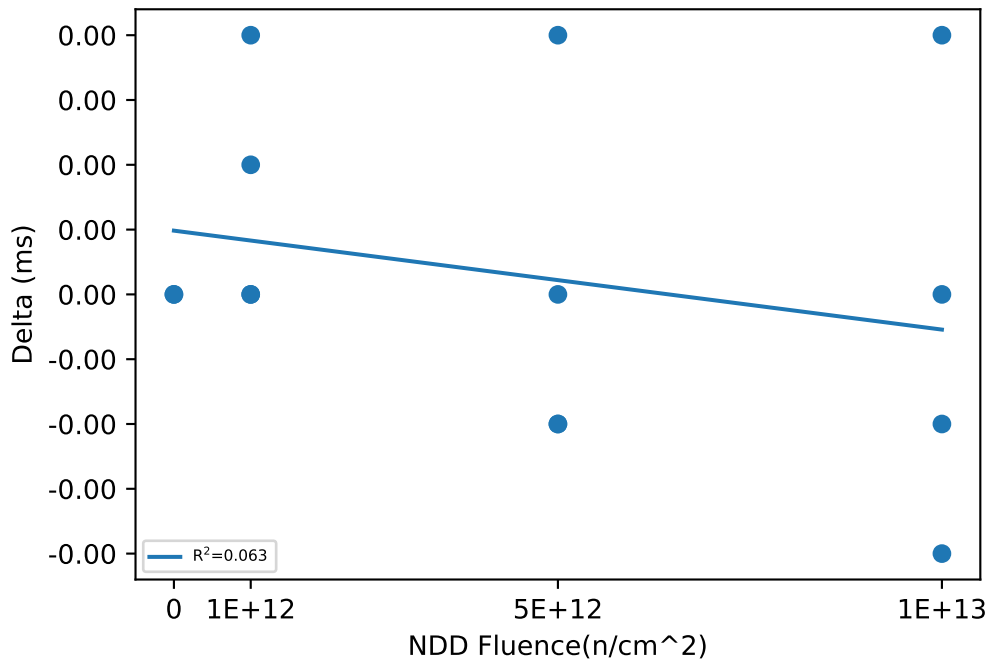
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.264	0.264	0
301	0	Correlation	0.261	0.261	0
353	1e+12	NDD Unbiased	0.256	0.257	0.001
354	1e+12	NDD Unbiased	0.255	0.257	0.002
355	1e+12	NDD Unbiased	0.264	0.264	0
356	1e+12	NDD Unbiased	0.262	0.262	0
357	5e+12	NDD Unbiased	0.255	0.254	-0.001
358	5e+12	NDD Unbiased	0.256	0.258	0.002
359	5e+12	NDD Unbiased	0.261	0.261	0
360	5e+12	NDD Unbiased	0.257	0.256	-0.001
361	1e+13	NDD Unbiased	0.262	0.264	0.002
362	1e+13	NDD Unbiased	0.265	0.263	-0.002
363	1e+13	NDD Unbiased	0.257	0.257	0
364	1e+13	NDD Unbiased	0.264	0.263	-0.001

NDD vs Post - Pre Exposure Delta

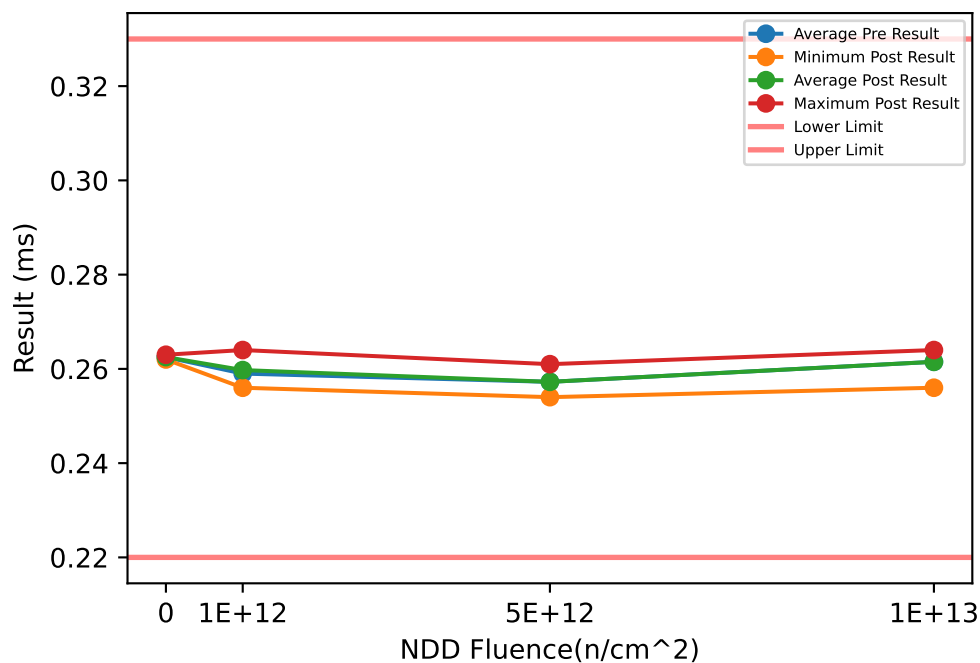


Test Statistics (ms)

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	0.261	0.2625	0.264	0.0021213	0.261	0.2625	0.264	0.0021213	0	0	0	0
1e+12	0.255	0.25925	0.264	0.0044253	0.257	0.26	0.264	0.003559	0	0.00075	0.002	0.00095743
5e+12	0.255	0.25725	0.261	0.00263	0.254	0.25725	0.261	0.0029861	-0.001	0	0.002	0.0014142
1e+13	0.257	0.262	0.265	0.003559	0.257	0.26175	0.264	0.0032016	-0.002	-0.00025	0.002	0.0017078

Device Test: 5.42 ; DLY_TMR_10KOHM

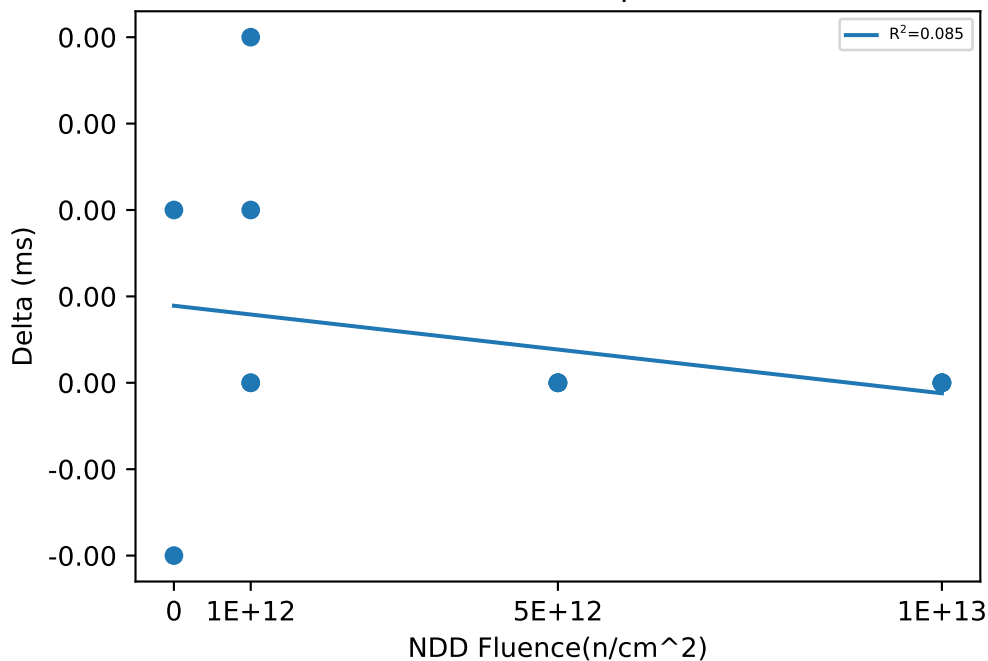
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.264	0.263	-0.001
301	0	Correlation	0.261	0.262	0.001
353	1e+12	NDD Unbiased	0.255	0.257	0.002
354	1e+12	NDD Unbiased	0.256	0.256	0
355	1e+12	NDD Unbiased	0.263	0.264	0.001
356	1e+12	NDD Unbiased	0.262	0.262	0
357	5e+12	NDD Unbiased	0.254	0.254	0
358	5e+12	NDD Unbiased	0.258	0.258	0
359	5e+12	NDD Unbiased	0.261	0.261	0
360	5e+12	NDD Unbiased	0.256	0.256	0
361	1e+13	NDD Unbiased	0.263	0.263	0
362	1e+13	NDD Unbiased	0.264	0.264	0
363	1e+13	NDD Unbiased	0.256	0.256	0
364	1e+13	NDD Unbiased	0.263	0.263	0

NDD vs Post - Pre Exposure Delta

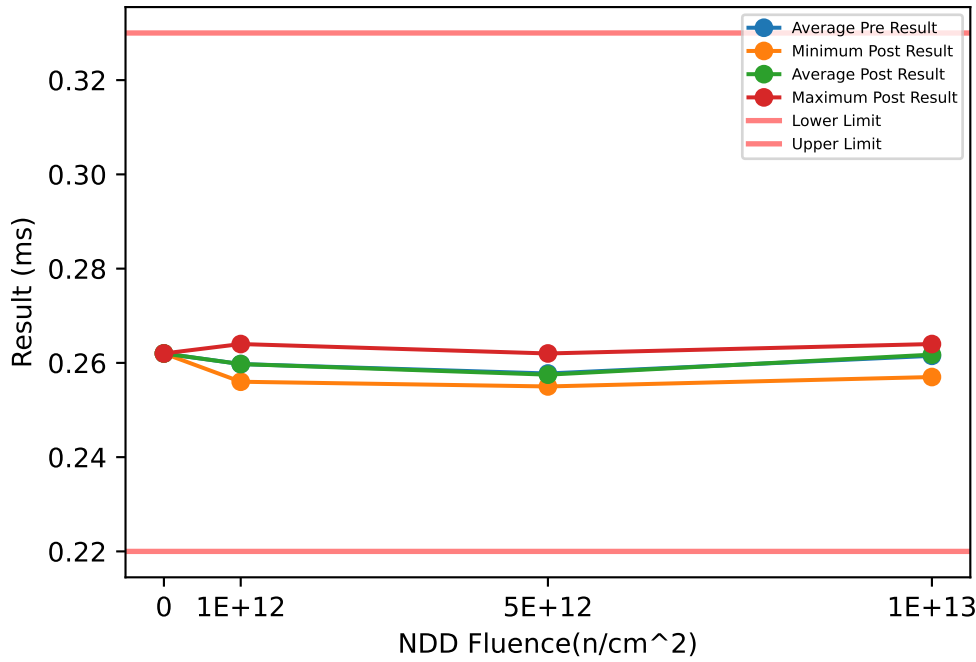


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.261	0.2625	0.264	0.0021213	0.262	0.2625	0.263	0.00070711	-0.001	0	0.001	0.0014142
1e+12	0.255	0.259	0.263	0.0040825	0.256	0.25975	0.264	0.0038622	0	0.00075	0.002	0.00095743
5e+12	0.254	0.25725	0.261	0.0029861	0.254	0.25725	0.261	0.0029861	0	0	0	0
1e+13	0.256	0.2615	0.264	0.0036968	0.256	0.2615	0.264	0.0036968	0	0	0	0

Device Test: 5.43 ; DLY_TMR_10KOHM

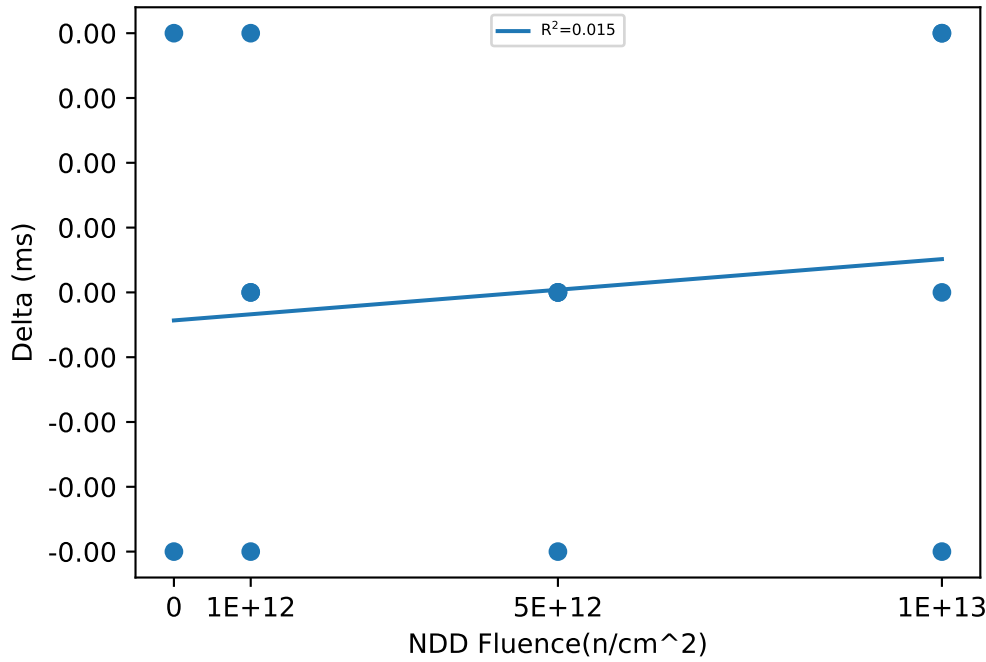
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.263	0.262	-0.001
301	0	Correlation	0.261	0.262	0.001
353	1e+12	NDD Unbiased	0.256	0.257	0.001
354	1e+12	NDD Unbiased	0.256	0.256	0
355	1e+12	NDD Unbiased	0.265	0.264	-0.001
356	1e+12	NDD Unbiased	0.262	0.262	0
357	5e+12	NDD Unbiased	0.255	0.255	0
358	5e+12	NDD Unbiased	0.258	0.258	0
359	5e+12	NDD Unbiased	0.262	0.262	0
360	5e+12	NDD Unbiased	0.256	0.255	-0.001
361	1e+13	NDD Unbiased	0.262	0.263	0.001
362	1e+13	NDD Unbiased	0.265	0.264	-0.001
363	1e+13	NDD Unbiased	0.257	0.257	0
364	1e+13	NDD Unbiased	0.262	0.263	0.001

NDD vs Post - Pre Exposure Delta

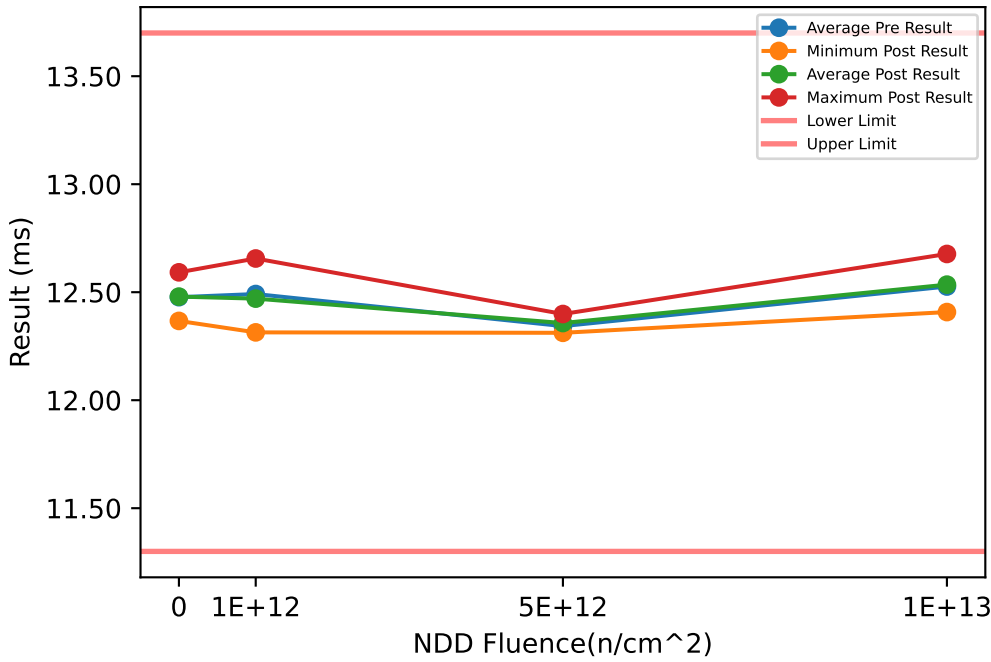


Test Statistics (ms)

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	0.261	0.262	0.263	0.0014142	0.262	0.262	0.262	0	-0.001	0	0.001	0.0014142
1e+12	0.256	0.25975	0.265	0.0045	0.256	0.25975	0.264	0.0038622	-0.001	0	0.001	0.0008165
5e+12	0.255	0.25775	0.262	0.0030957	0.255	0.2575	0.262	0.0033166	-0.001	-0.00025	0	0.0005
1e+13	0.257	0.2615	0.265	0.0033166	0.257	0.26175	0.264	0.0032016	-0.001	0.00025	0.001	0.00095743

Device Test: 5.44 ; DLY_TMR_500KOHM

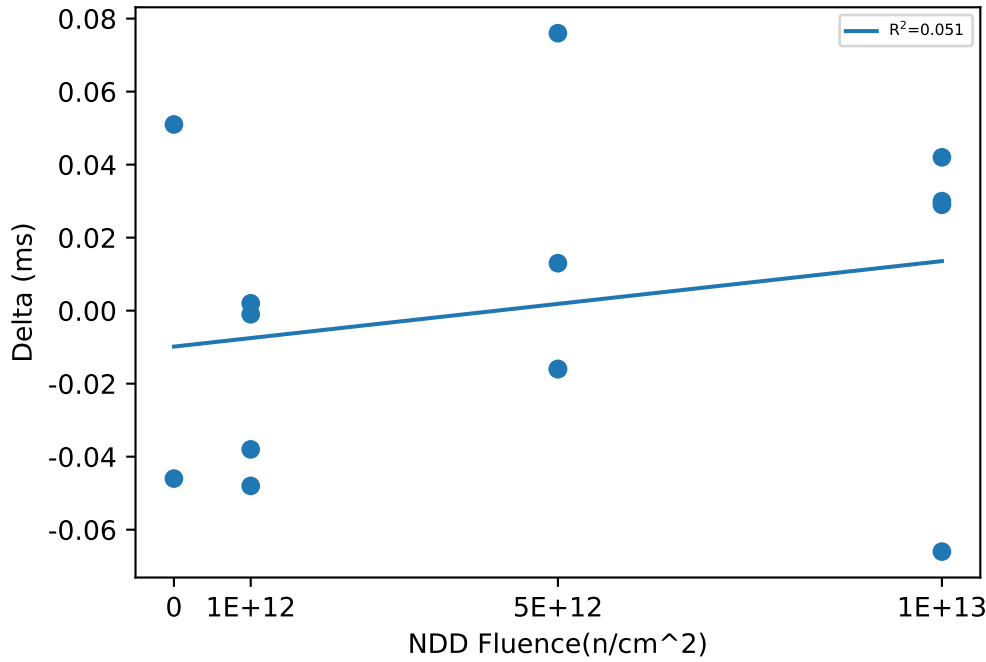
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.541	12.592	0.051
301	0	Correlation	12.413	12.367	-0.046
353	1e+12	NDD Unbiased	12.352	12.314	-0.038
354	1e+12	NDD Unbiased	12.365	12.317	-0.048
355	1e+12	NDD Unbiased	12.657	12.656	-0.001
356	1e+12	NDD Unbiased	12.592	12.594	0.002
357	5e+12	NDD Unbiased	12.328	12.312	-0.016
358	5e+12	NDD Unbiased	12.304	12.38	0.076
359	5e+12	NDD Unbiased	12.354	12.338	-0.016
360	5e+12	NDD Unbiased	12.386	12.399	0.013
361	1e+13	NDD Unbiased	12.521	12.551	0.03
362	1e+13	NDD Unbiased	12.648	12.677	0.029
363	1e+13	NDD Unbiased	12.462	12.504	0.042
364	1e+13	NDD Unbiased	12.474	12.408	-0.066

NDD vs Post - Pre Exposure Delta

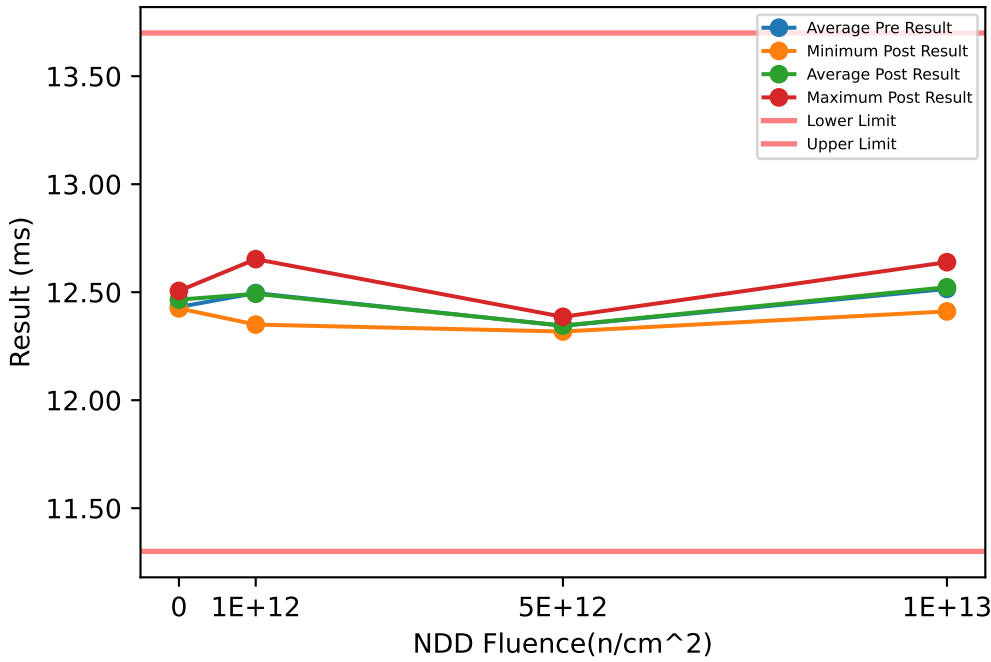


Test Statistics (ms)

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	12.413	12.477	12.541	0.09051	12.367	12.48	12.592	0.1591	-0.046	0.0025	0.051	0.068589
1e+12	12.352	12.492	12.657	0.15594	12.314	12.47	12.656	0.18048	-0.048	-0.02125	0.002	0.025474
5e+12	12.304	12.343	12.386	0.035195	12.312	12.357	12.399	0.039492	-0.016	0.01425	0.076	0.043377
1e+13	12.462	12.526	12.648	0.085066	12.408	12.535	12.677	0.11182	-0.066	0.00875	0.042	0.050182

Device Test: 5.45 ; DLY_TMR_500KOHM

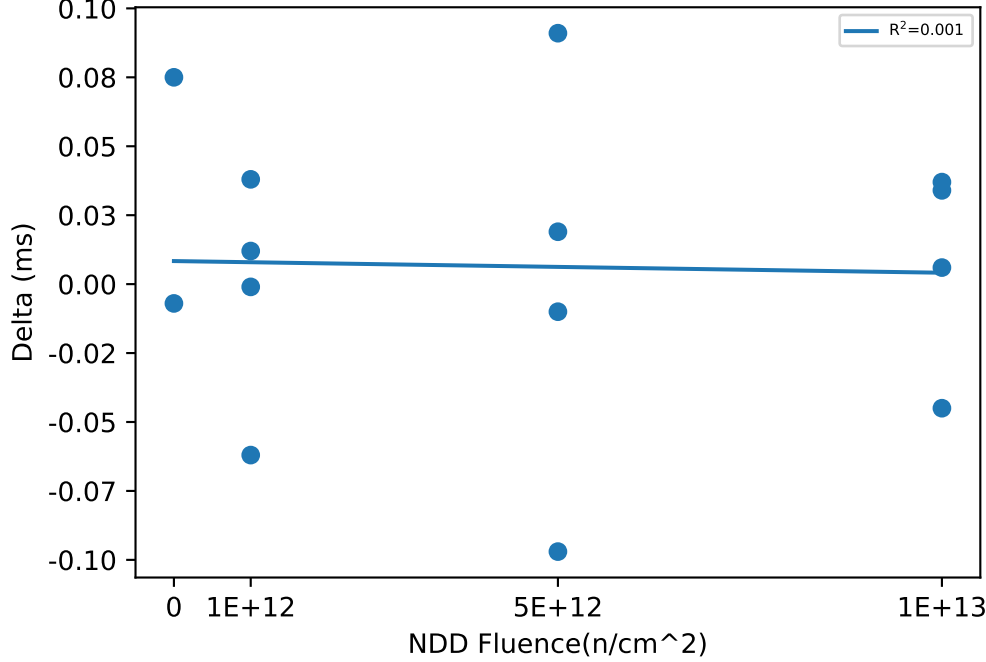
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.513	12.506	-0.007
301	0	Correlation	12.35	12.425	0.075
353	1e+12	NDD Unbiased	12.358	12.396	0.038
354	1e+12	NDD Unbiased	12.338	12.35	0.012
355	1e+12	NDD Unbiased	12.715	12.653	-0.062
356	1e+12	NDD Unbiased	12.573	12.572	-0.001
357	5e+12	NDD Unbiased	12.334	12.353	0.019
358	5e+12	NDD Unbiased	12.295	12.386	0.091
359	5e+12	NDD Unbiased	12.334	12.324	-0.01
360	5e+12	NDD Unbiased	12.415	12.318	-0.097
361	1e+13	NDD Unbiased	12.506	12.54	0.034
362	1e+13	NDD Unbiased	12.633	12.639	0.006
363	1e+13	NDD Unbiased	12.465	12.502	0.037
364	1e+13	NDD Unbiased	12.456	12.411	-0.045

NDD vs Post - Pre Exposure Delta

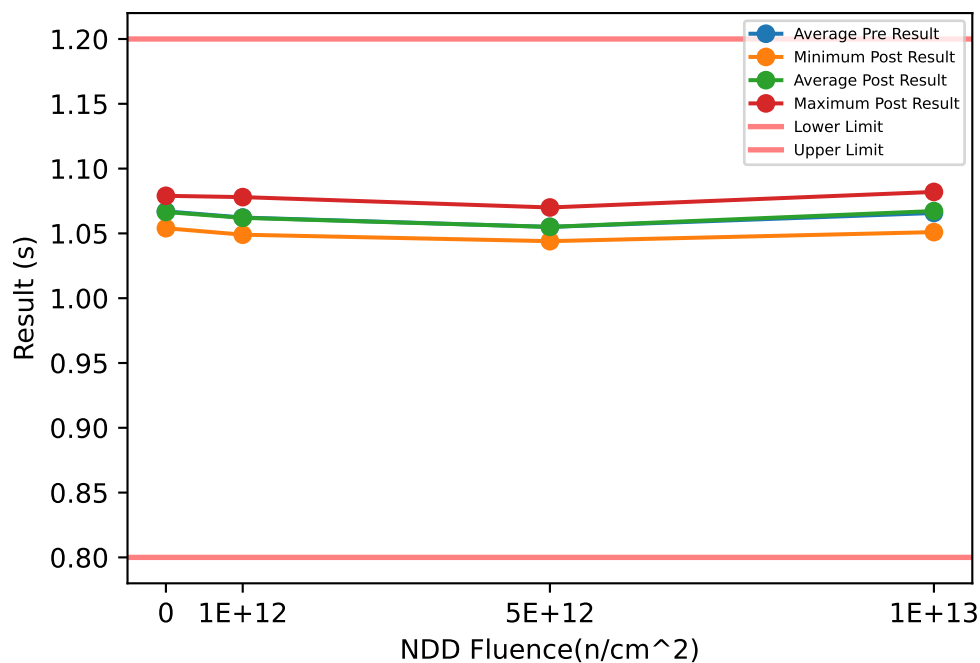


Test Statistics (ms)

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	12.35	12.431	12.513	0.11526	12.425	12.466	12.506	0.057276	-0.007	0.034	0.075	0.057983
1e+12	12.338	12.496	12.715	0.18065	12.35	12.493	12.653	0.14341	-0.062	-0.00325	0.038	0.04239
5e+12	12.295	12.345	12.415	0.050468	12.318	12.345	12.386	0.03117	-0.097	0.00075	0.091	0.077779
1e+13	12.456	12.515	12.633	0.081621	12.411	12.523	12.639	0.094393	-0.045	0.008	0.037	0.037991

Device Test: 5.46 ; WD_TMR_500KOHM

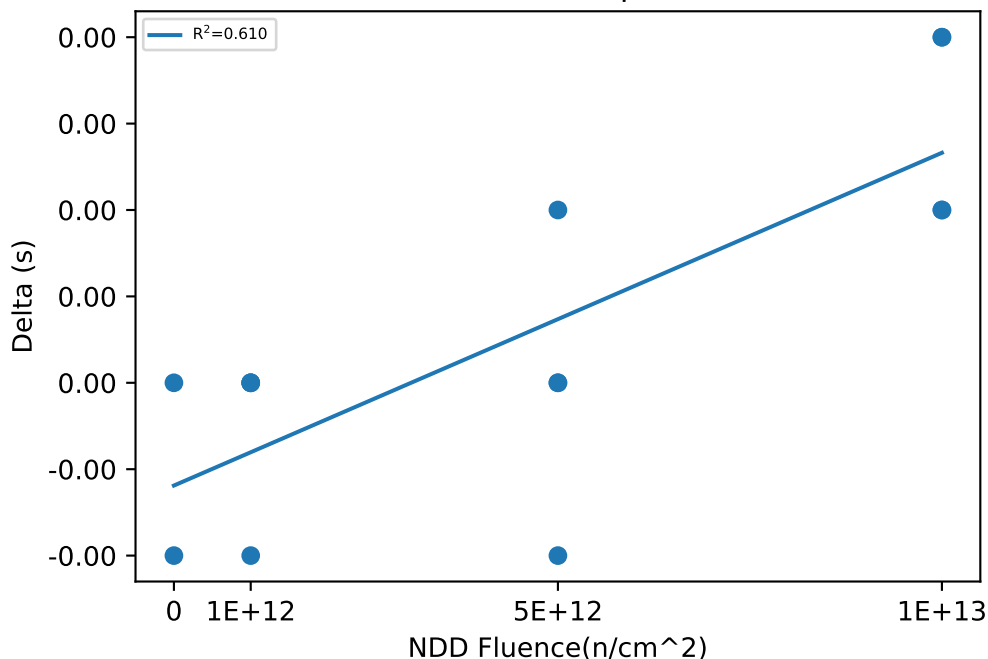
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.08	1.079	-0.001
301	0	Correlation	1.054	1.054	0
353	1e+12	NDD Unbiased	1.049	1.049	0
354	1e+12	NDD Unbiased	1.06	1.06	0
355	1e+12	NDD Unbiased	1.079	1.078	-0.001
356	1e+12	NDD Unbiased	1.061	1.061	0
357	5e+12	NDD Unbiased	1.059	1.059	0
358	5e+12	NDD Unbiased	1.071	1.07	-0.001
359	5e+12	NDD Unbiased	1.046	1.047	0.001
360	5e+12	NDD Unbiased	1.044	1.044	0
361	1e+13	NDD Unbiased	1.08	1.082	0.002
362	1e+13	NDD Unbiased	1.073	1.074	0.001
363	1e+13	NDD Unbiased	1.05	1.051	0.001
364	1e+13	NDD Unbiased	1.06	1.062	0.002

NDD vs Post - Pre Exposure Delta

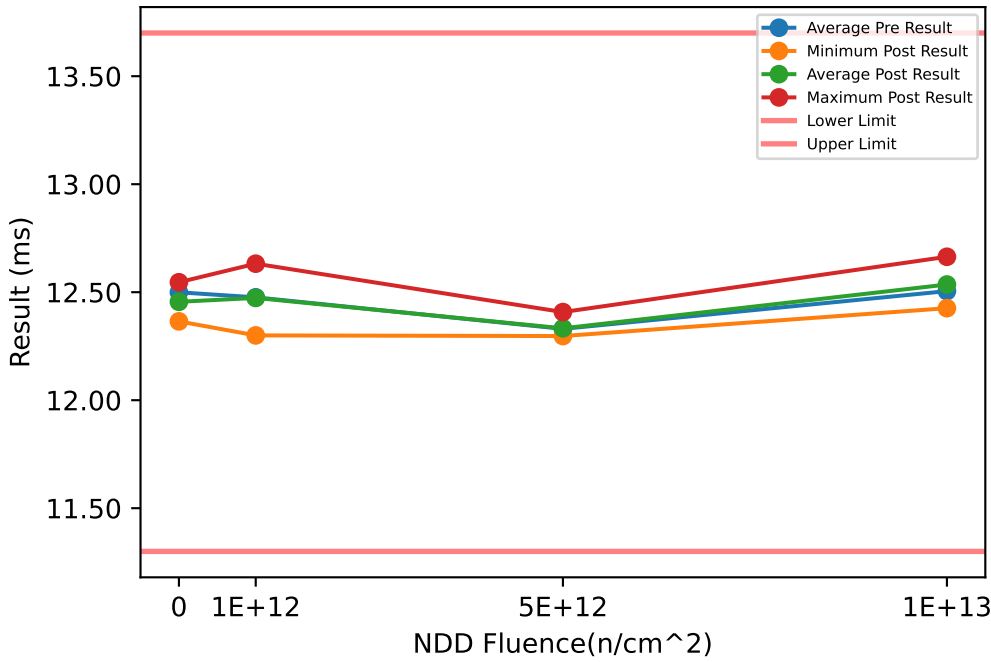


Test Statistics (s)

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	1.054	1.067	1.08	0.018385	1.054	1.0665	1.079	0.017678	-0.001	-0.0005	0	0.00070711
1e+12	1.049	1.0622	1.079	0.01242	1.049	1.062	1.078	0.011972	-0.001	-0.00025	0	0.0005
5e+12	1.044	1.055	1.071	0.01257	1.044	1.055	1.07	0.011916	-0.001	0	0.001	0.0008165
1e+13	1.05	1.0657	1.08	0.013376	1.051	1.0673	1.082	0.013598	0.001	0.0015	0.002	0.00057735

Device Test: 5.47 ; DLY_TMR_500KOHM

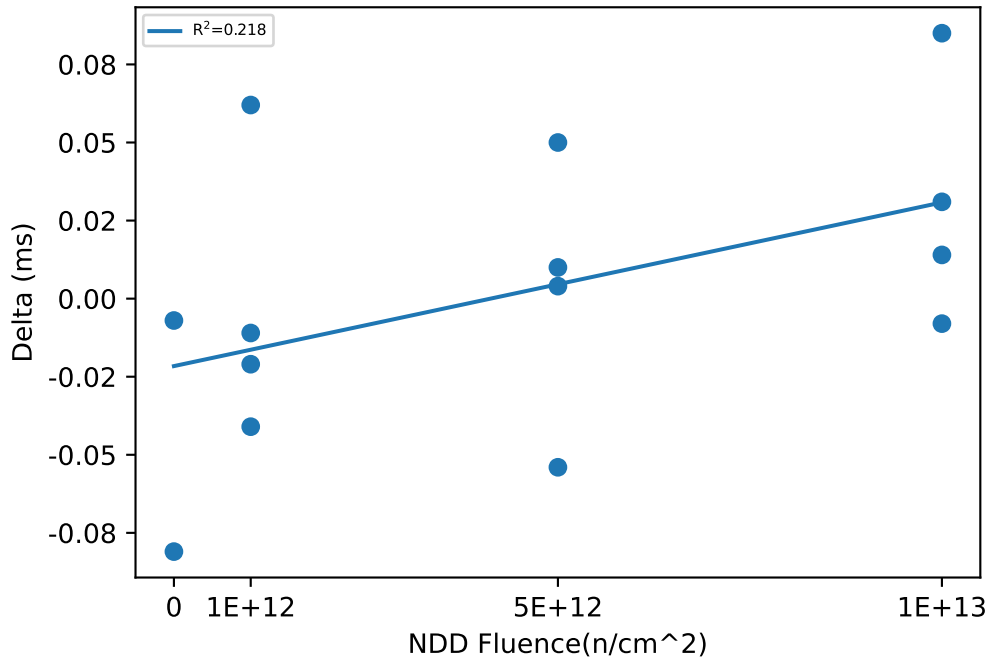
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.553	12.546	-0.007
301	0	Correlation	12.446	12.365	-0.081
353	1e+12	NDD Unbiased	12.342	12.331	-0.011
354	1e+12	NDD Unbiased	12.341	12.3	-0.041
355	1e+12	NDD Unbiased	12.653	12.632	-0.021
356	1e+12	NDD Unbiased	12.569	12.631	0.062
357	5e+12	NDD Unbiased	12.287	12.297	0.01
358	5e+12	NDD Unbiased	12.353	12.299	-0.054
359	5e+12	NDD Unbiased	12.277	12.327	0.05
360	5e+12	NDD Unbiased	12.404	12.408	0.004
361	1e+13	NDD Unbiased	12.514	12.599	0.085
362	1e+13	NDD Unbiased	12.65	12.664	0.014
363	1e+13	NDD Unbiased	12.395	12.426	0.031
364	1e+13	NDD Unbiased	12.461	12.453	-0.008

NDD vs Post - Pre Exposure Delta

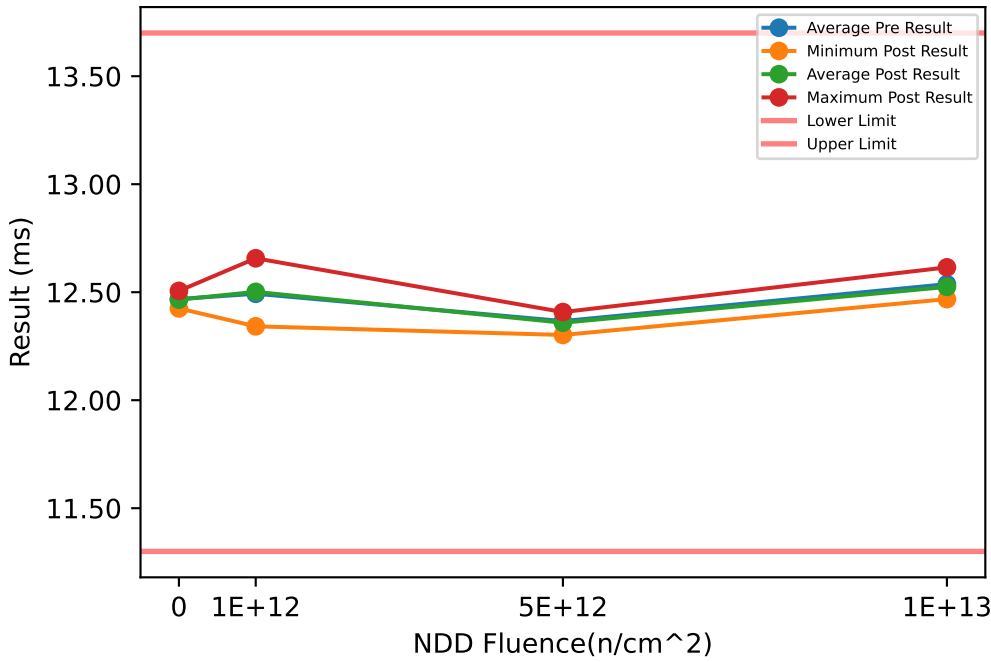


Test Statistics (ms)

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	12.446	12.5	12.553	0.07566	12.365	12.456	12.546	0.12799	-0.081	-0.044	-0.007	0.052326
1e+12	12.341	12.476	12.653	0.15933	12.3	12.473	12.632	0.18288	-0.041	-0.00275	0.062	0.044932
5e+12	12.277	12.33	12.404	0.059618	12.297	12.333	12.408	0.052002	-0.054	0.0025	0.05	0.042845
1e+13	12.395	12.505	12.65	0.10823	12.426	12.535	12.664	0.11451	-0.008	0.0305	0.085	0.039686

Device Test: 5.48 ; DLY_TMR_500KOHM

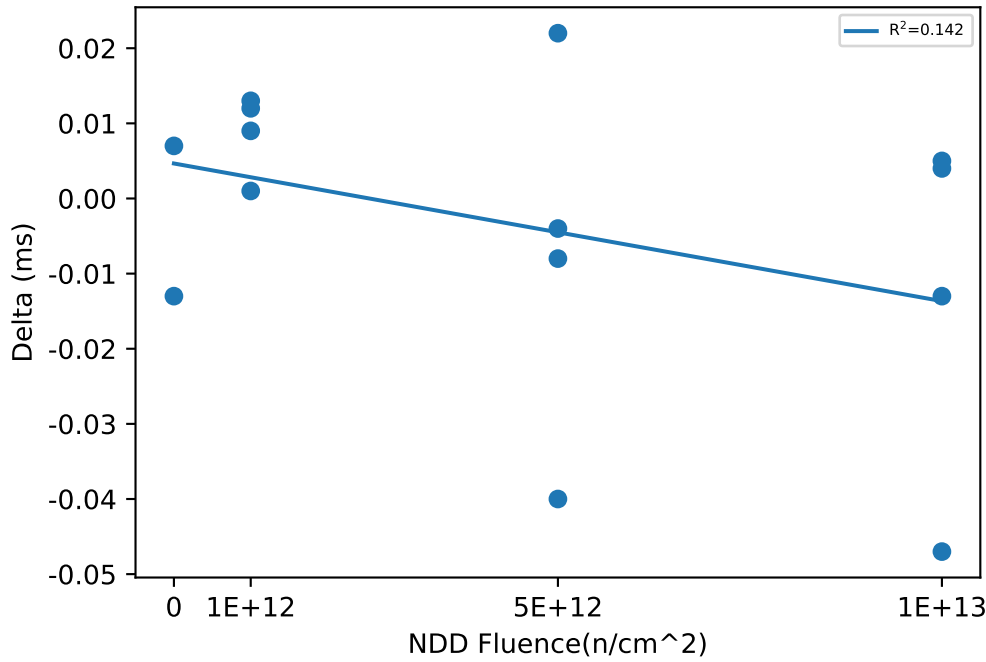
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.519	12.506	-0.013
301	0	Correlation	12.418	12.425	0.007
353	1e+12	NDD Unbiased	12.35	12.362	0.012
354	1e+12	NDD Unbiased	12.333	12.342	0.009
355	1e+12	NDD Unbiased	12.644	12.645	0.001
356	1e+12	NDD Unbiased	12.644	12.657	0.013
357	5e+12	NDD Unbiased	12.355	12.347	-0.008
358	5e+12	NDD Unbiased	12.356	12.378	0.022
359	5e+12	NDD Unbiased	12.342	12.302	-0.04
360	5e+12	NDD Unbiased	12.412	12.408	-0.004
361	1e+13	NDD Unbiased	12.578	12.531	-0.047
362	1e+13	NDD Unbiased	12.628	12.615	-0.013
363	1e+13	NDD Unbiased	12.463	12.468	0.005
364	1e+13	NDD Unbiased	12.48	12.484	0.004

NDD vs Post - Pre Exposure Delta

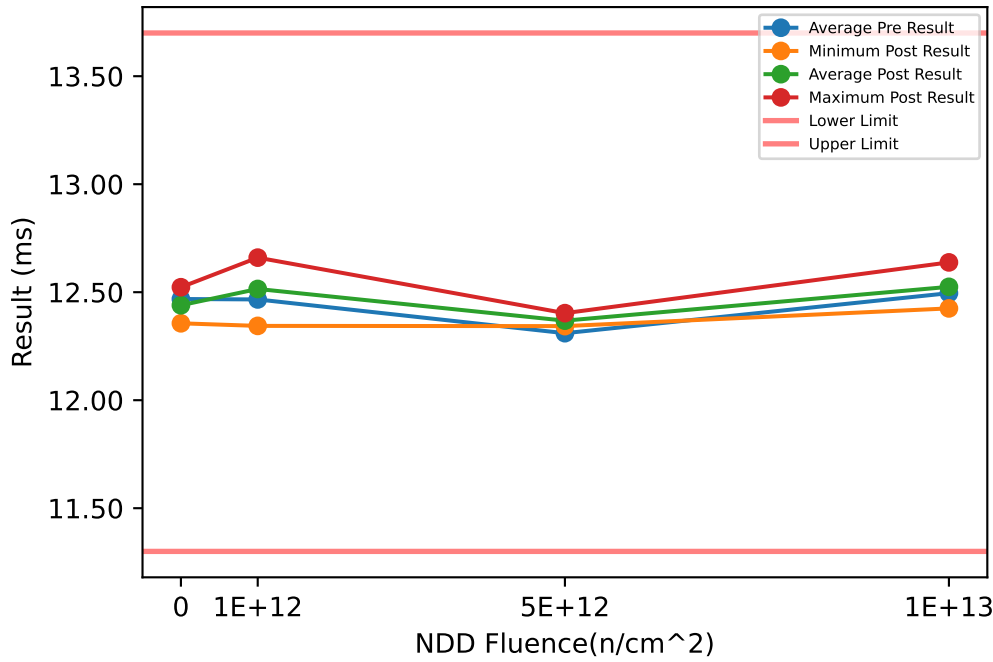


Test Statistics (ms)

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	12.418	12.468	12.519	0.071418	12.425	12.466	12.506	0.057276	-0.013	-0.003	0.007	0.014142
1e+12	12.333	12.493	12.644	0.17479	12.342	12.502	12.657	0.17289	0.001	0.00875	0.013	0.0054391
5e+12	12.342	12.366	12.412	0.03116	12.302	12.359	12.408	0.045294	-0.04	-0.0075	0.022	0.025423
1e+13	12.463	12.537	12.628	0.078923	12.468	12.524	12.615	0.065992	-0.047	-0.01275	0.005	0.024281

Device Test: 5.49 ; DLY_TMR_500KOHM

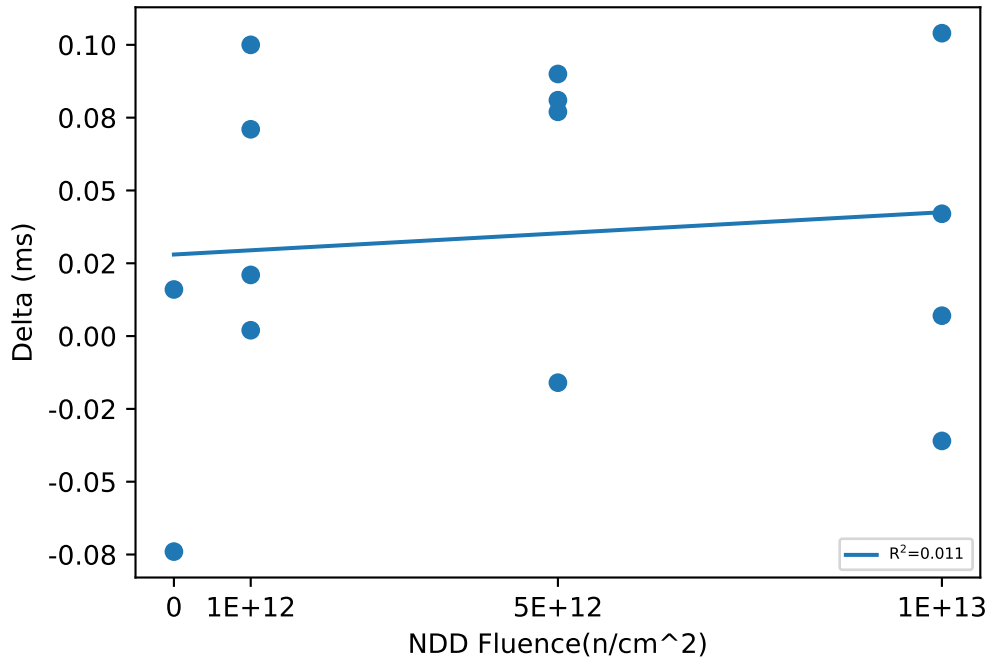
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.507	12.523	0.016
301	0	Correlation	12.43	12.356	-0.074
353	1e+12	NDD Unbiased	12.382	12.403	0.021
354	1e+12	NDD Unbiased	12.273	12.344	0.071
355	1e+12	NDD Unbiased	12.651	12.653	0.002
356	1e+12	NDD Unbiased	12.56	12.66	0.1
357	5e+12	NDD Unbiased	12.264	12.354	0.09
358	5e+12	NDD Unbiased	12.296	12.373	0.077
359	5e+12	NDD Unbiased	12.359	12.343	-0.016
360	5e+12	NDD Unbiased	12.322	12.403	0.081
361	1e+13	NDD Unbiased	12.577	12.541	-0.036
362	1e+13	NDD Unbiased	12.631	12.638	0.007
363	1e+13	NDD Unbiased	12.383	12.425	0.042
364	1e+13	NDD Unbiased	12.391	12.495	0.104

NDD vs Post - Pre Exposure Delta

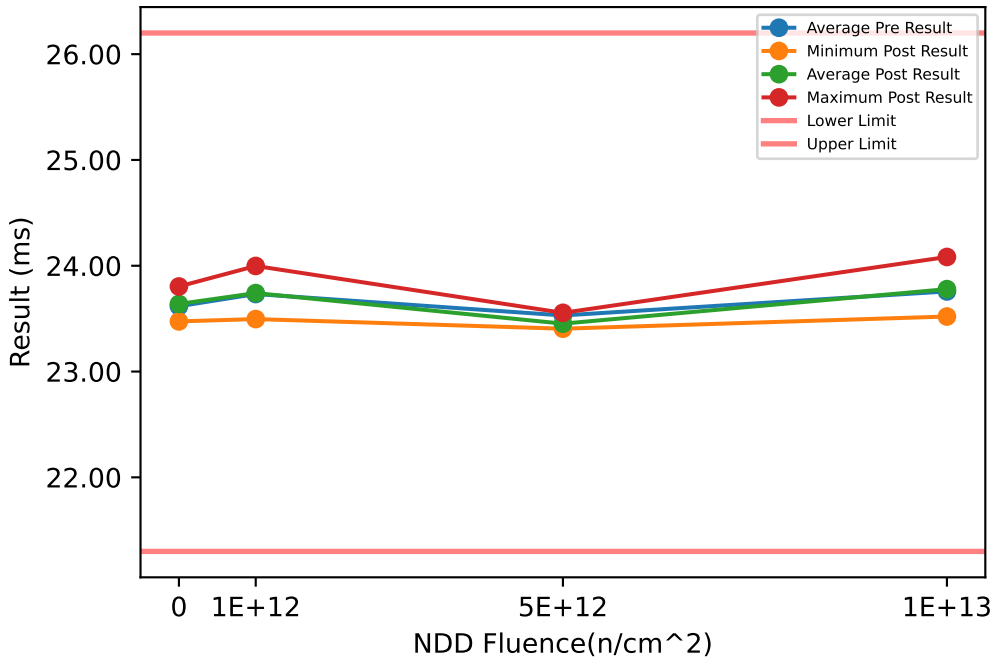


Test Statistics (ms)

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	12.43	12.468	12.507	0.054447	12.356	12.439	12.523	0.11809	-0.074	-0.029	0.016	0.06364
1e+12	12.273	12.466	12.651	0.17065	12.344	12.515	12.66	0.16518	0.002	0.0485	0.1	0.045007
5e+12	12.264	12.31	12.359	0.040236	12.343	12.368	12.403	0.026273	-0.016	0.058	0.09	0.049632
1e+13	12.383	12.495	12.631	0.12725	12.425	12.525	12.638	0.089302	-0.036	0.02925	0.104	0.059169

Device Test: 5.50 ; DLY_TMR_1MOHM

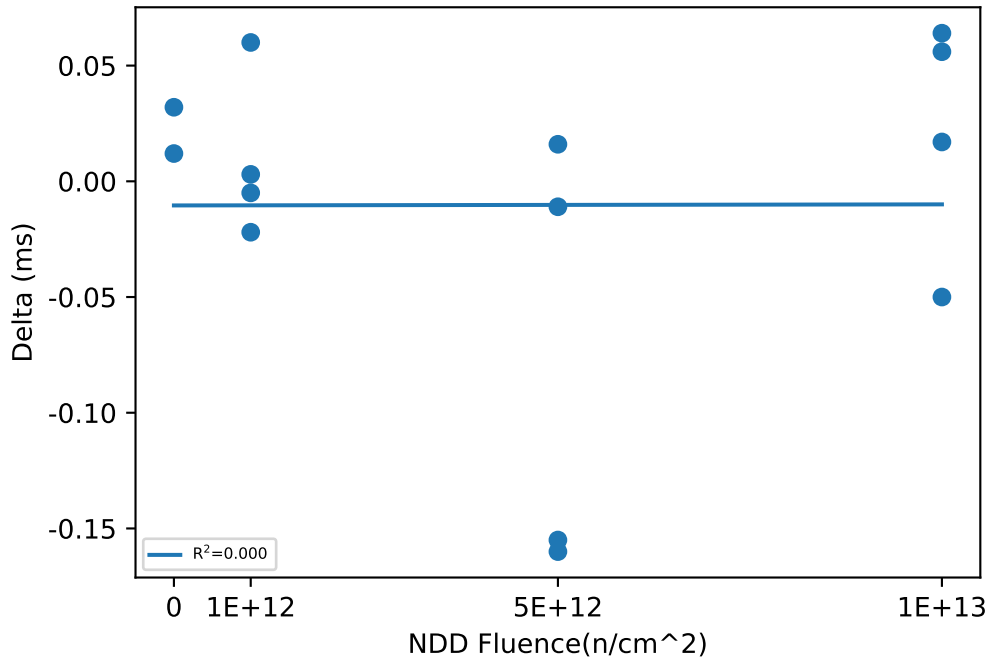
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.792	23.804	0.012
301	0	Correlation	23.442	23.474	0.032
353	1e+12	NDD Unbiased	23.45	23.51	0.06
354	1e+12	NDD Unbiased	23.518	23.496	-0.022
355	1e+12	NDD Unbiased	24.003	23.998	-0.005
356	1e+12	NDD Unbiased	23.96	23.963	0.003
357	5e+12	NDD Unbiased	23.416	23.432	0.016
358	5e+12	NDD Unbiased	23.579	23.419	-0.16
359	5e+12	NDD Unbiased	23.416	23.405	-0.011
360	5e+12	NDD Unbiased	23.71	23.555	-0.155
361	1e+13	NDD Unbiased	23.741	23.805	0.064
362	1e+13	NDD Unbiased	24.066	24.083	0.017
363	1e+13	NDD Unbiased	23.758	23.708	-0.05
364	1e+13	NDD Unbiased	23.464	23.52	0.056

NDD vs Post - Pre Exposure Delta

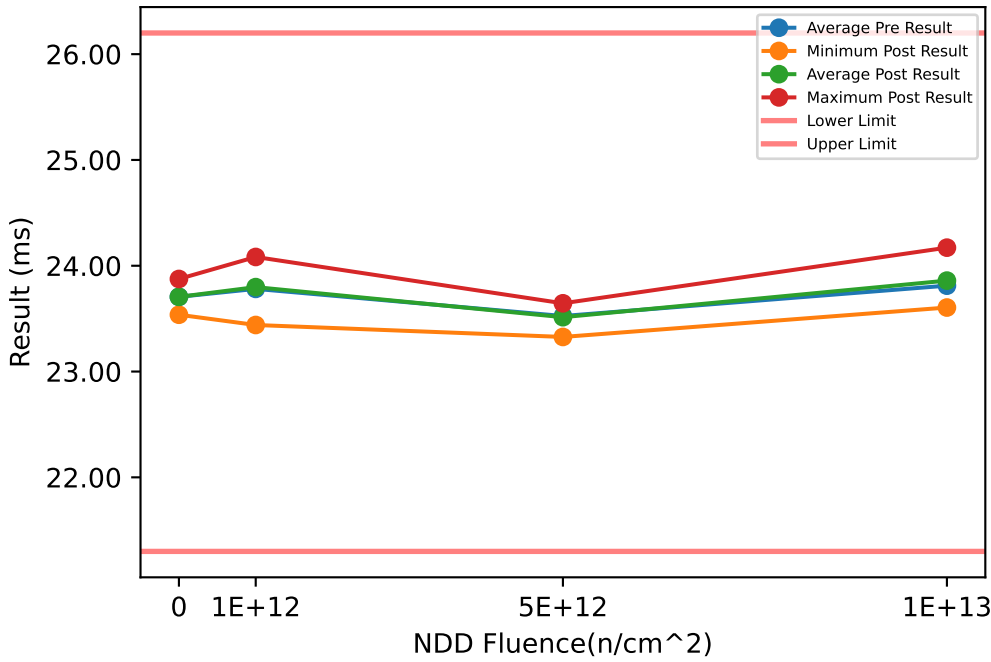


Test Statistics (ms)

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	23.442	23.617	23.792	0.24749	23.474	23.639	23.804	0.23335	0.012	0.022	0.032	0.014142
1e+12	23.45	23.733	24.003	0.2891	23.496	23.742	23.998	0.27611	-0.022	0.009	0.06	0.035562
5e+12	23.416	23.53	23.71	0.14235	23.405	23.453	23.555	0.069053	-0.16	-0.0775	0.016	0.093054
1e+13	23.464	23.757	24.066	0.24603	23.52	23.779	24.083	0.23467	-0.05	0.02175	0.064	0.052054

Device Test: 5.51 ; DLY_TMR_1MOHM

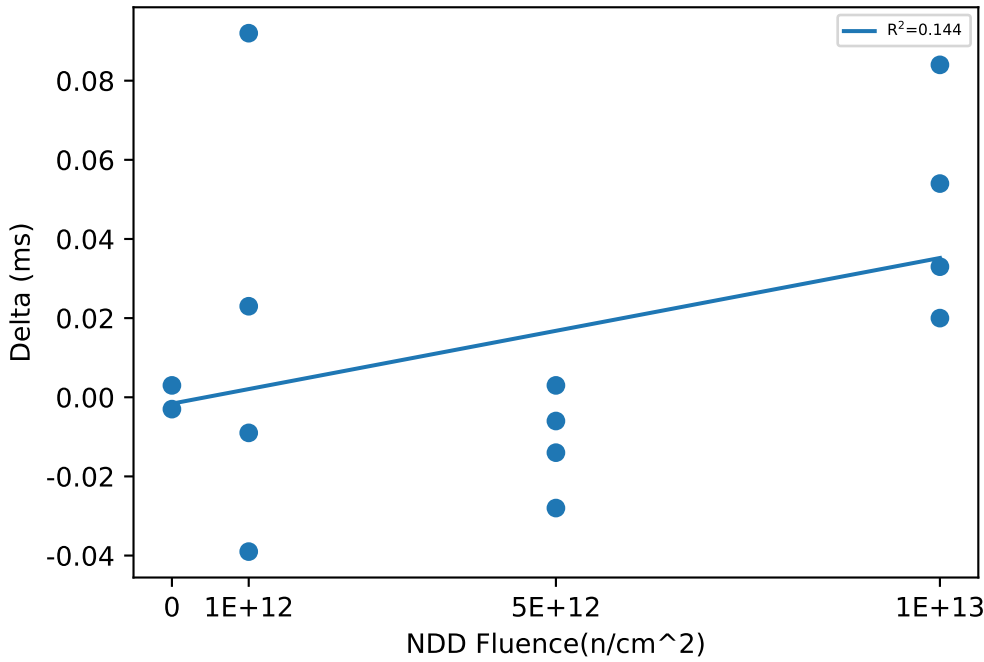
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.878	23.875	-0.003
301	0	Correlation	23.534	23.537	0.003
353	1e+12	NDD Unbiased	23.522	23.614	0.092
354	1e+12	NDD Unbiased	23.479	23.44	-0.039
355	1e+12	NDD Unbiased	24.092	24.083	-0.009
356	1e+12	NDD Unbiased	24.032	24.055	0.023
357	5e+12	NDD Unbiased	23.543	23.537	-0.006
358	5e+12	NDD Unbiased	23.543	23.546	0.003
359	5e+12	NDD Unbiased	23.355	23.327	-0.028
360	5e+12	NDD Unbiased	23.659	23.645	-0.014
361	1e+13	NDD Unbiased	23.839	23.893	0.054
362	1e+13	NDD Unbiased	24.151	24.171	0.02
363	1e+13	NDD Unbiased	23.685	23.769	0.084
364	1e+13	NDD Unbiased	23.572	23.605	0.033

NDD vs Post - Pre Exposure Delta

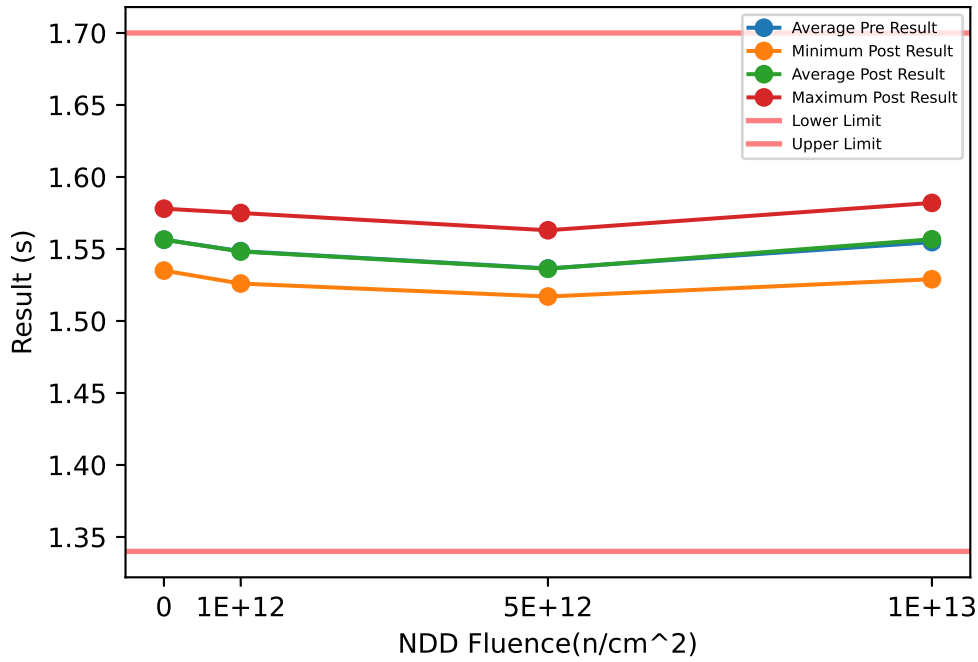


Test Statistics (ms)

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	23.534	23.706	23.878	0.24324	23.537	23.706	23.875	0.239	-0.003	0	0.003	0.0042426
1e+12	23.479	23.781	24.092	0.32558	23.44	23.798	24.083	0.32109	-0.039	0.01675	0.092	0.056192
5e+12	23.355	23.525	23.659	0.12584	23.327	23.514	23.645	0.13377	-0.028	-0.01125	0.003	0.01315
1e+13	23.572	23.812	24.151	0.25125	23.605	23.86	24.171	0.23883	0.02	0.04775	0.084	0.027933

Device Test: 5.52 ; WD_TMR_1MOHM

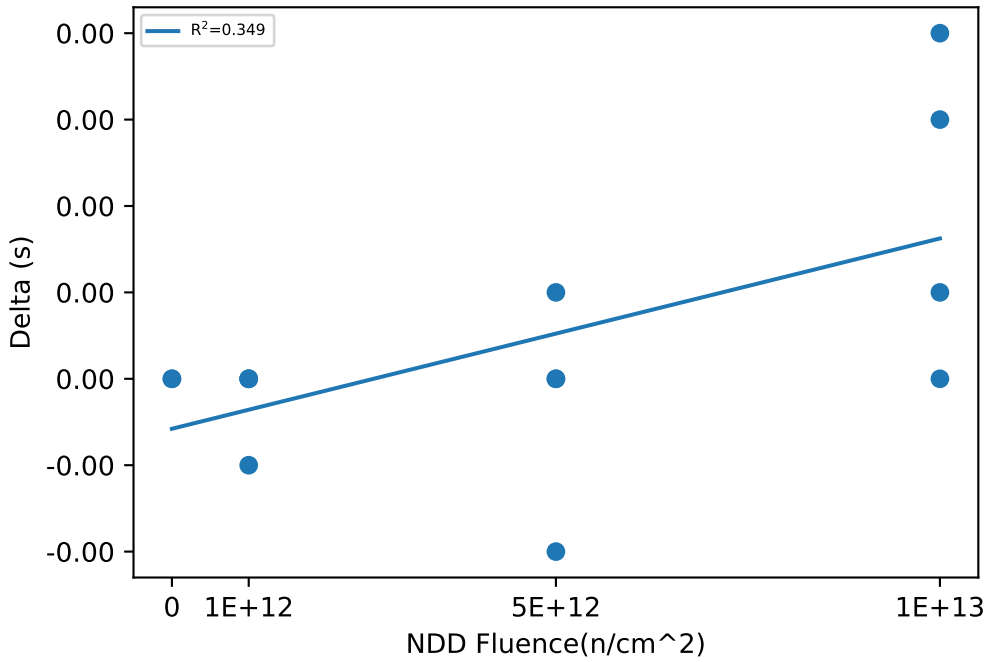
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.578	1.578	0
301	0	Correlation	1.535	1.535	0
353	1e+12	NDD Unbiased	1.526	1.526	0
354	1e+12	NDD Unbiased	1.545	1.545	0
355	1e+12	NDD Unbiased	1.576	1.575	-0.001
356	1e+12	NDD Unbiased	1.547	1.547	0
357	5e+12	NDD Unbiased	1.542	1.542	0
358	5e+12	NDD Unbiased	1.565	1.563	-0.002
359	5e+12	NDD Unbiased	1.522	1.523	0.001
360	5e+12	NDD Unbiased	1.517	1.517	0
361	1e+13	NDD Unbiased	1.579	1.582	0.003
362	1e+13	NDD Unbiased	1.566	1.567	0.001
363	1e+13	NDD Unbiased	1.529	1.529	0
364	1e+13	NDD Unbiased	1.545	1.549	0.004

NDD vs Post - Pre Exposure Delta

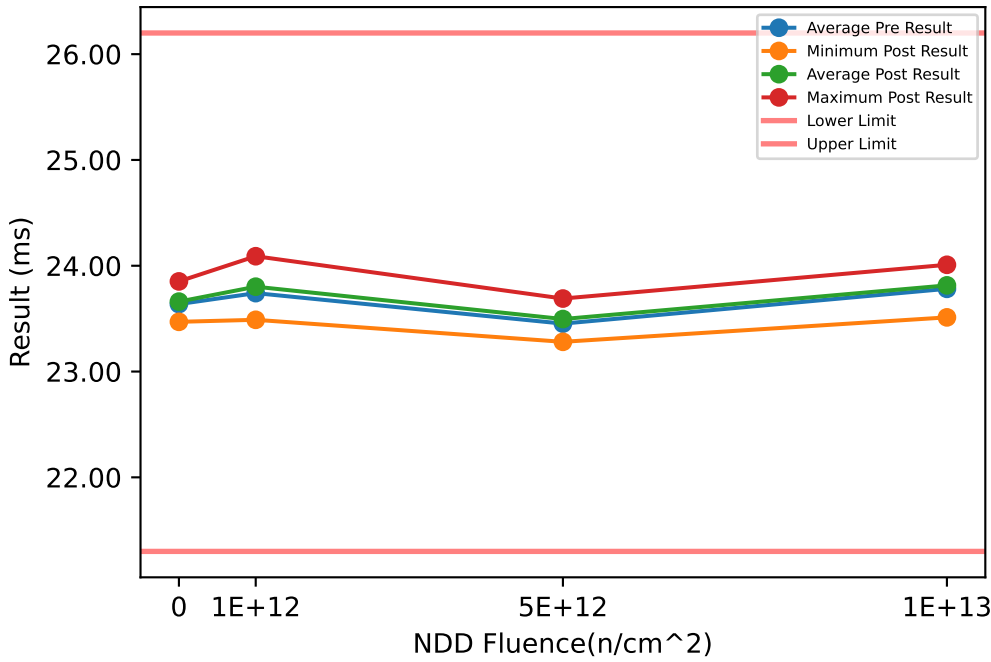


Test Statistics (s)

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	1.535	1.5565	1.578	0.030406	1.535	1.5565	1.578	0.030406	0	0	0	0
1e+12	1.526	1.5485	1.576	0.020632	1.526	1.5482	1.575	0.020189	-0.001	-0.00025	0	0.0005
5e+12	1.517	1.5365	1.565	0.021856	1.517	1.5362	1.563	0.020775	-0.002	-0.00025	0.001	0.0012583
1e+13	1.529	1.5547	1.579	0.022157	1.529	1.5568	1.582	0.022897	0	0.002	0.004	0.0018257

Device Test: 5.53 ; DLY_TMR_1MOHM

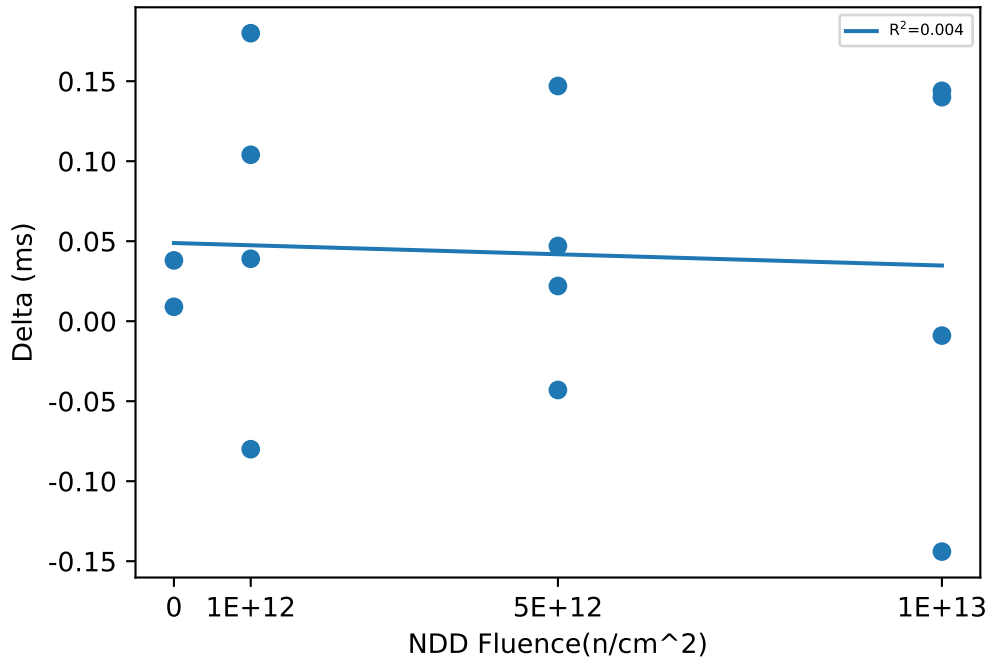
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.814	23.852	0.038
301	0	Correlation	23.461	23.47	0.009
353	1e+12	NDD Unbiased	23.485	23.665	0.18
354	1e+12	NDD Unbiased	23.385	23.489	0.104
355	1e+12	NDD Unbiased	24.051	24.09	0.039
356	1e+12	NDD Unbiased	24.044	23.964	-0.08
357	5e+12	NDD Unbiased	23.564	23.521	-0.043
358	5e+12	NDD Unbiased	23.446	23.493	0.047
359	5e+12	NDD Unbiased	23.259	23.281	0.022
360	5e+12	NDD Unbiased	23.543	23.69	0.147
361	1e+13	NDD Unbiased	23.771	23.911	0.14
362	1e+13	NDD Unbiased	24.153	24.009	-0.144
363	1e+13	NDD Unbiased	23.682	23.826	0.144
364	1e+13	NDD Unbiased	23.521	23.512	-0.009

NDD vs Post - Pre Exposure Delta

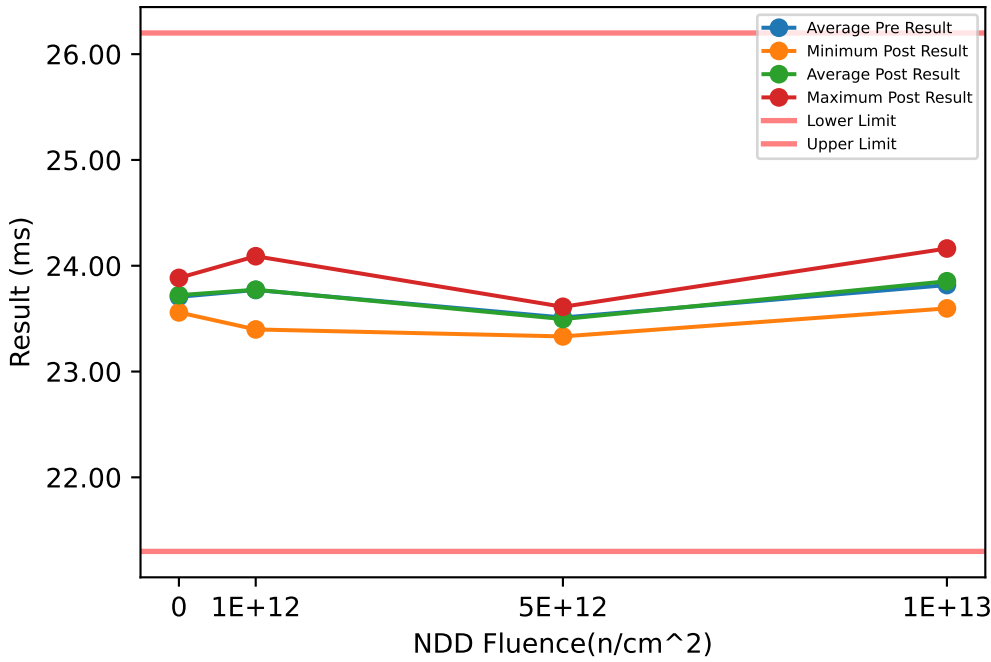


Test Statistics (ms)

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	23.461	23.637	23.814	0.24961	23.47	23.661	23.852	0.27011	0.009	0.0235	0.038	0.020506
1e+12	23.385	23.741	24.051	0.35599	23.489	23.802	24.09	0.27442	-0.08	0.06075	0.18	0.11011
5e+12	23.259	23.453	23.564	0.13917	23.281	23.496	23.69	0.16782	-0.043	0.04325	0.147	0.078885
1e+13	23.521	23.782	24.153	0.26826	23.512	23.815	24.009	0.21508	-0.144	0.03275	0.144	0.13767

Device Test: 5.54 ; DLY_TMR_1MOHM

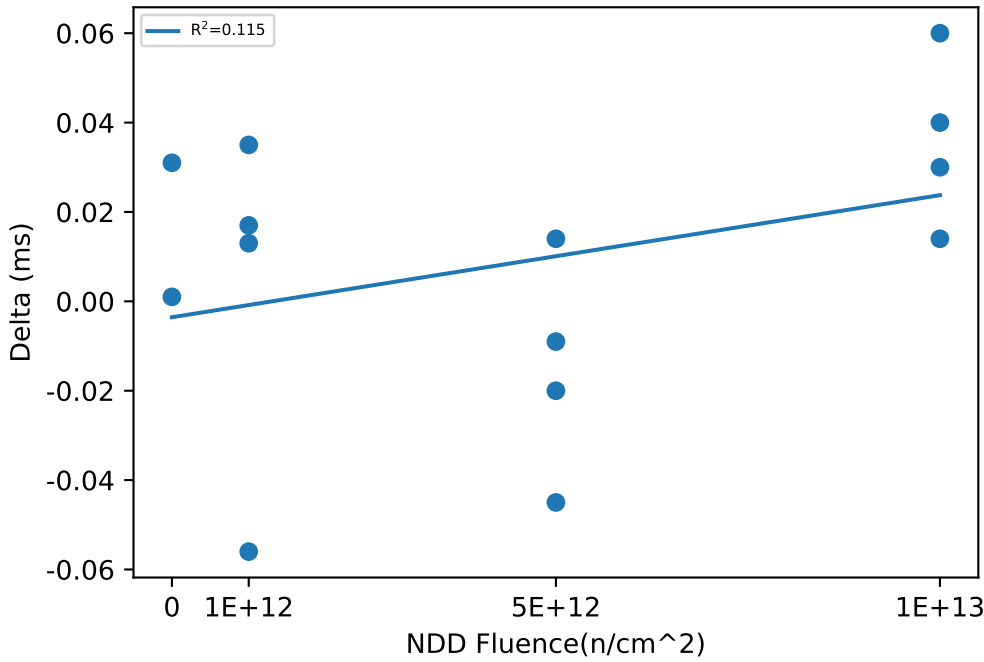
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.854	23.885	0.031
301	0	Correlation	23.558	23.559	0.001
353	1e+12	NDD Unbiased	23.562	23.579	0.017
354	1e+12	NDD Unbiased	23.454	23.398	-0.056
355	1e+12	NDD Unbiased	24.077	24.09	0.013
356	1e+12	NDD Unbiased	23.991	24.026	0.035
357	5e+12	NDD Unbiased	23.526	23.517	-0.009
358	5e+12	NDD Unbiased	23.508	23.522	0.014
359	5e+12	NDD Unbiased	23.352	23.332	-0.02
360	5e+12	NDD Unbiased	23.657	23.612	-0.045
361	1e+13	NDD Unbiased	23.838	23.898	0.06
362	1e+13	NDD Unbiased	24.149	24.163	0.014
363	1e+13	NDD Unbiased	23.716	23.756	0.04
364	1e+13	NDD Unbiased	23.567	23.597	0.03

NDD vs Post - Pre Exposure Delta

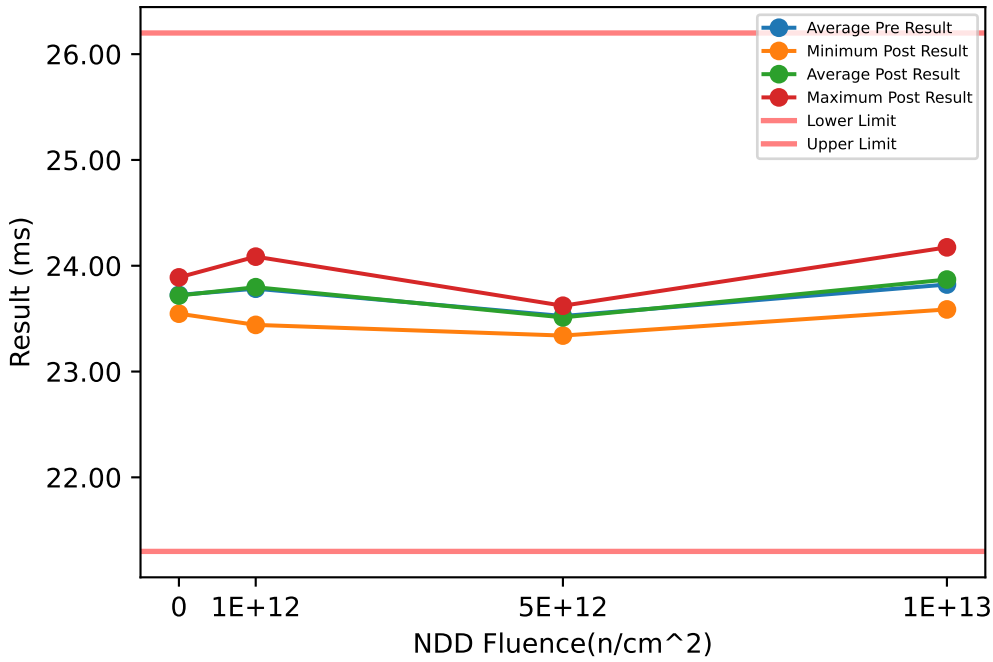


Test Statistics (ms)

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	23.558	23.706	23.854	0.2093	23.559	23.722	23.885	0.23052	0.001	0.016	0.031	0.021213
1e+12	23.454	23.771	24.077	0.30887	23.398	23.773	24.09	0.33801	-0.056	0.00225	0.035	0.039995
5e+12	23.352	23.511	23.657	0.12494	23.332	23.496	23.612	0.11757	-0.045	-0.015	0.014	0.024509
1e+13	23.567	23.818	24.149	0.24723	23.597	23.854	24.163	0.24019	0.014	0.036	0.06	0.019253

Device Test: 5.55 ; DLY_TMR_1MOHM

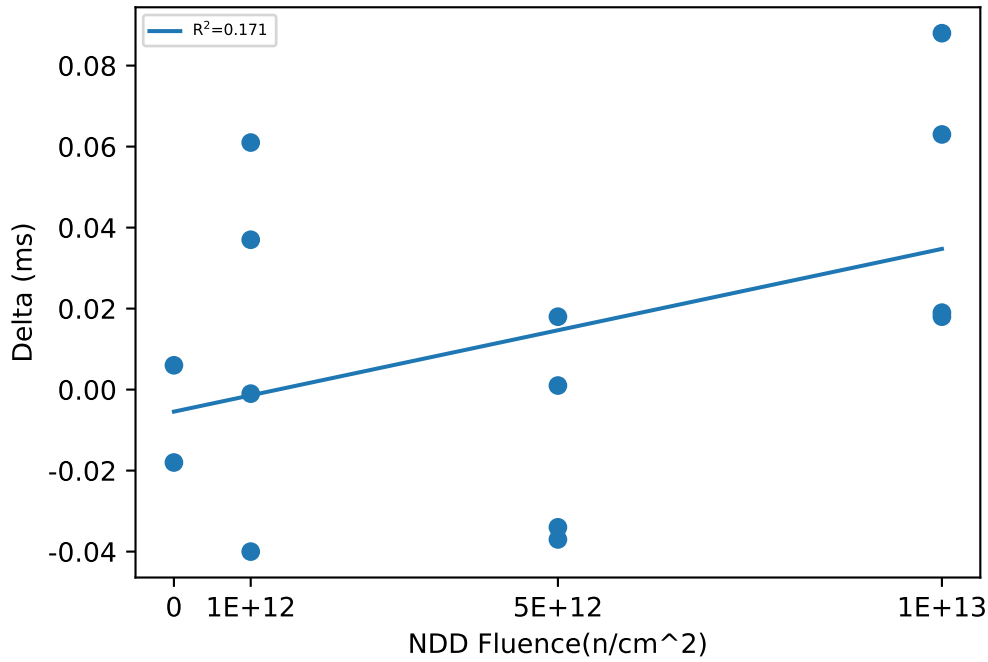
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.884	23.89	0.006
301	0	Correlation	23.565	23.547	-0.018
353	1e+12	NDD Unbiased	23.569	23.606	0.037
354	1e+12	NDD Unbiased	23.481	23.441	-0.04
355	1e+12	NDD Unbiased	24.087	24.086	-0.001
356	1e+12	NDD Unbiased	23.995	24.056	0.061
357	5e+12	NDD Unbiased	23.519	23.537	0.018
358	5e+12	NDD Unbiased	23.547	23.548	0.001
359	5e+12	NDD Unbiased	23.374	23.34	-0.034
360	5e+12	NDD Unbiased	23.659	23.622	-0.037
361	1e+13	NDD Unbiased	23.843	23.906	0.063
362	1e+13	NDD Unbiased	24.155	24.174	0.019
363	1e+13	NDD Unbiased	23.723	23.811	0.088
364	1e+13	NDD Unbiased	23.569	23.587	0.018

NDD vs Post - Pre Exposure Delta

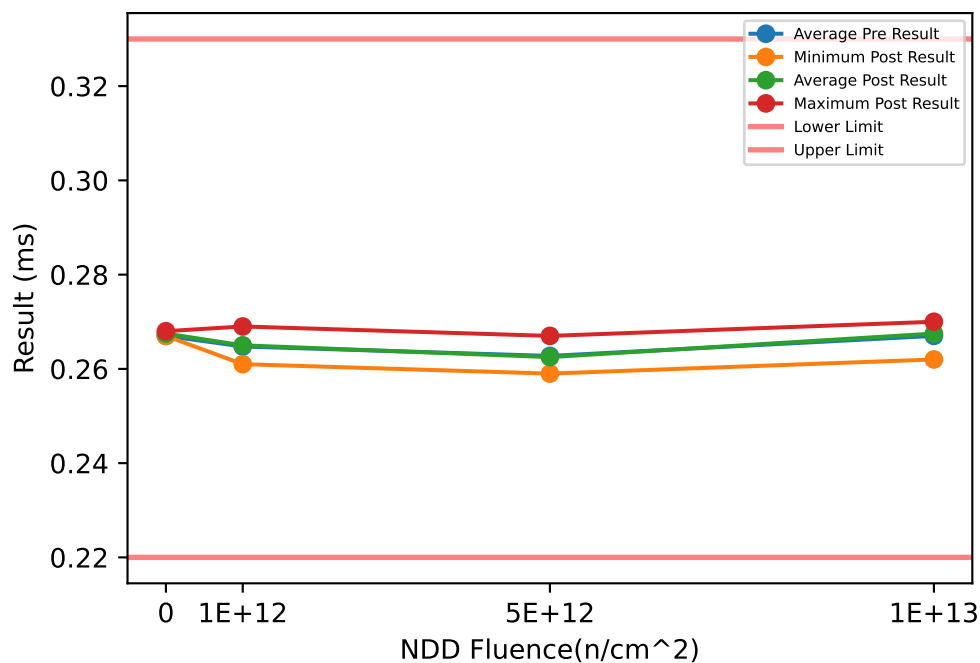


Test Statistics (ms)

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	23.565	23.724	23.884	0.22557	23.547	23.718	23.89	0.24254	-0.018	-0.006	0.006	0.016971
1e+12	23.481	23.783	24.087	0.30241	23.441	23.797	24.086	0.32343	-0.04	0.01425	0.061	0.044267
5e+12	23.374	23.525	23.659	0.1173	23.34	23.512	23.622	0.12056	-0.037	-0.013	0.018	0.02692
1e+13	23.569	23.822	24.155	0.24842	23.587	23.869	24.174	0.24309	0.018	0.047	0.088	0.034458

Device Test: 5.56 ; DLY_TMR_10KOHM

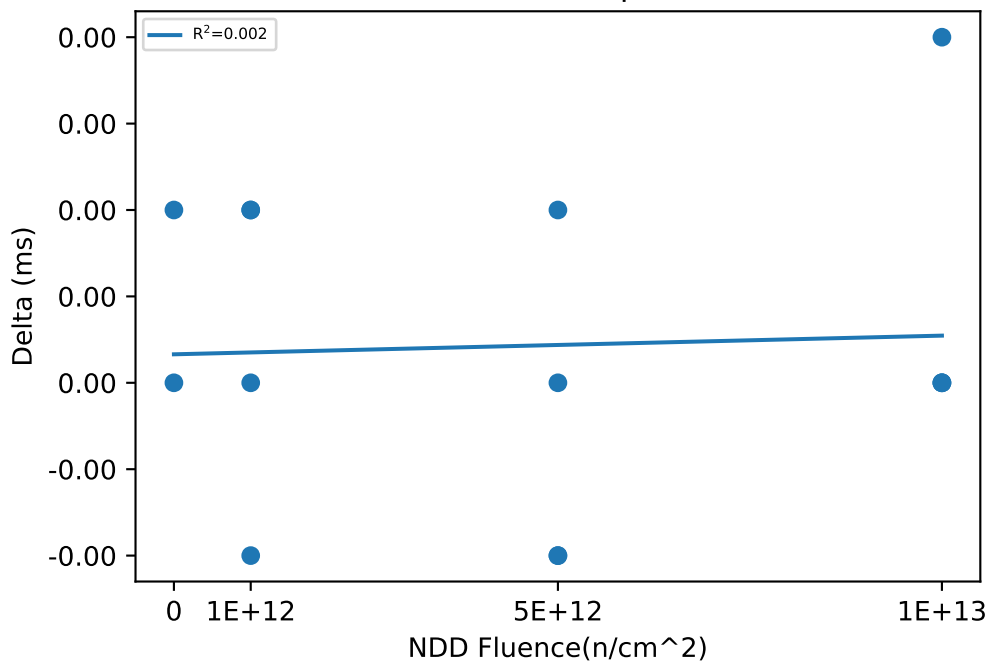
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.268	0
301	0	Correlation	0.266	0.267	0.001
353	1e+12	NDD Unbiased	0.262	0.261	-0.001
354	1e+12	NDD Unbiased	0.261	0.262	0.001
355	1e+12	NDD Unbiased	0.269	0.269	0
356	1e+12	NDD Unbiased	0.267	0.268	0.001
357	5e+12	NDD Unbiased	0.26	0.259	-0.001
358	5e+12	NDD Unbiased	0.262	0.263	0.001
359	5e+12	NDD Unbiased	0.268	0.267	-0.001
360	5e+12	NDD Unbiased	0.261	0.261	0
361	1e+13	NDD Unbiased	0.269	0.269	0
362	1e+13	NDD Unbiased	0.268	0.27	0.002
363	1e+13	NDD Unbiased	0.262	0.262	0
364	1e+13	NDD Unbiased	0.269	0.269	0

NDD vs Post - Pre Exposure Delta

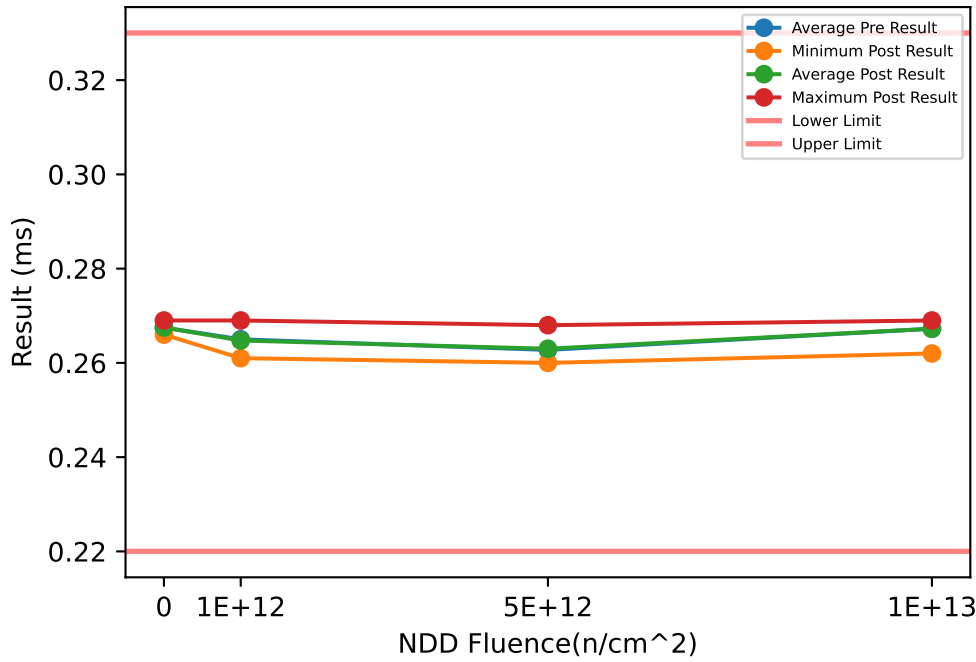


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.266	0.267	0.268	0.0014142	0.267	0.2675	0.268	0.00070711	0	0.0005	0.001	0.00070711
1e+12	0.261	0.26475	0.269	0.0038622	0.261	0.265	0.269	0.0040825	-0.001	0.00025	0.001	0.00095743
5e+12	0.26	0.26275	0.268	0.003594	0.259	0.2625	0.267	0.0034157	-0.001	-0.00025	0.001	0.00095743
1e+13	0.262	0.267	0.269	0.0033665	0.262	0.2675	0.27	0.0036968	0	0.0005	0.002	0.001

Device Test: 5.57 ; DLY_TMR_10KOHM

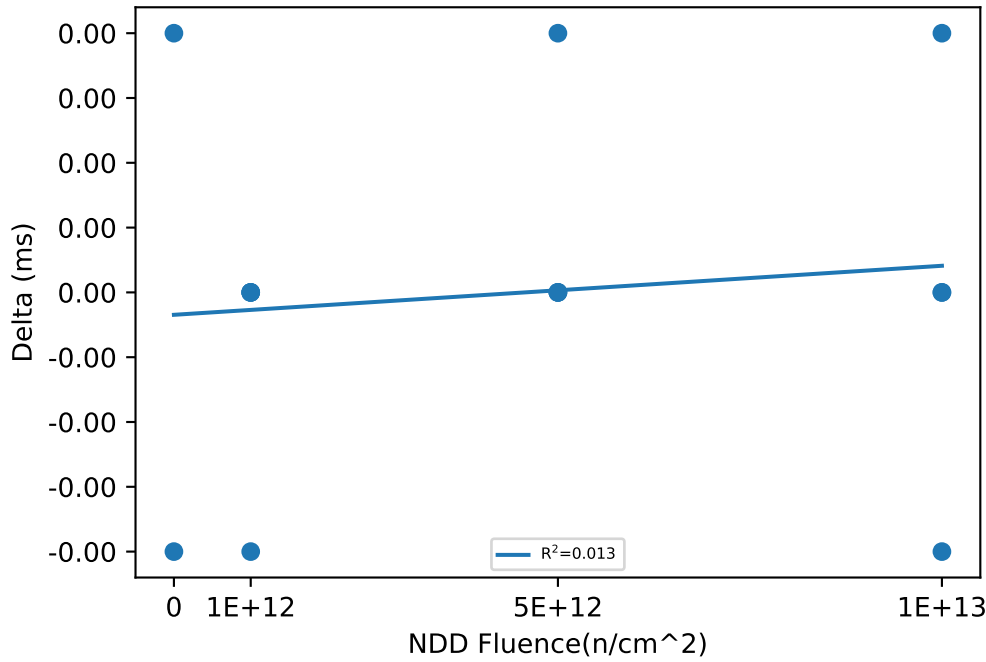
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.269	0.001
301	0	Correlation	0.267	0.266	-0.001
353	1e+12	NDD Unbiased	0.262	0.262	0
354	1e+12	NDD Unbiased	0.262	0.261	-0.001
355	1e+12	NDD Unbiased	0.269	0.269	0
356	1e+12	NDD Unbiased	0.267	0.267	0
357	5e+12	NDD Unbiased	0.26	0.26	0
358	5e+12	NDD Unbiased	0.262	0.262	0
359	5e+12	NDD Unbiased	0.267	0.268	0.001
360	5e+12	NDD Unbiased	0.262	0.262	0
361	1e+13	NDD Unbiased	0.268	0.269	0.001
362	1e+13	NDD Unbiased	0.269	0.269	0
363	1e+13	NDD Unbiased	0.263	0.262	-0.001
364	1e+13	NDD Unbiased	0.269	0.269	0

NDD vs Post - Pre Exposure Delta

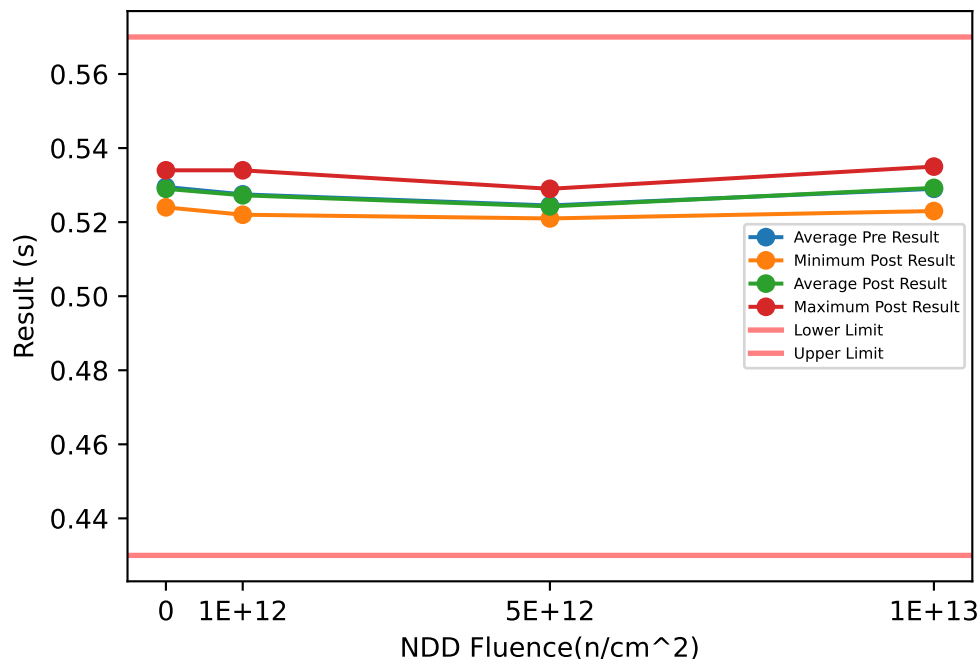


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.267	0.2675	0.268	0.00070711	0.266	0.2675	0.269	0.0021213	-0.001	0	0.001	0.0014142
1e+12	0.262	0.265	0.269	0.003559	0.261	0.26475	0.269	0.0038622	-0.001	-0.00025	0	0.0005
5e+12	0.26	0.26275	0.267	0.0029861	0.26	0.263	0.268	0.0034641	0	0.00025	0.001	0.0005
1e+13	0.263	0.26725	0.269	0.0028723	0.262	0.26725	0.269	0.0035	-0.001	0	0.001	0.0008165

Device Test: 5.58 ; WD_TMR_10KOHM

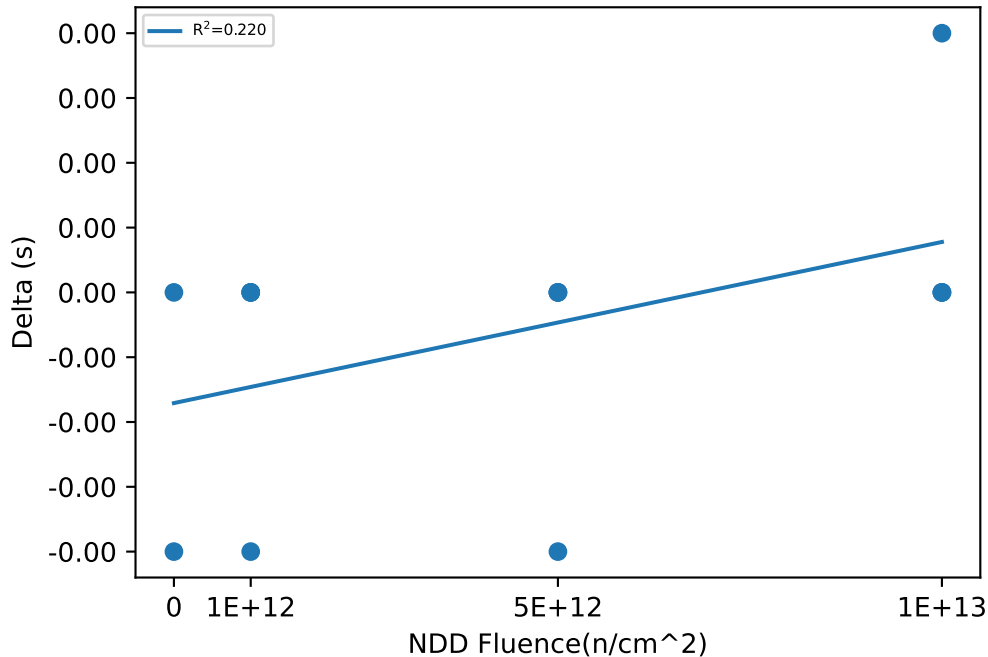
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.534	0.534	0
301	0	Correlation	0.525	0.524	-0.001
353	1e+12	NDD Unbiased	0.522	0.522	0
354	1e+12	NDD Unbiased	0.527	0.526	-0.001
355	1e+12	NDD Unbiased	0.534	0.534	0
356	1e+12	NDD Unbiased	0.527	0.527	0
357	5e+12	NDD Unbiased	0.526	0.526	0
358	5e+12	NDD Unbiased	0.53	0.529	-0.001
359	5e+12	NDD Unbiased	0.521	0.521	0
360	5e+12	NDD Unbiased	0.521	0.521	0
361	1e+13	NDD Unbiased	0.535	0.535	0
362	1e+13	NDD Unbiased	0.532	0.532	0
363	1e+13	NDD Unbiased	0.523	0.523	0
364	1e+13	NDD Unbiased	0.526	0.527	0.001

NDD vs Post - Pre Exposure Delta

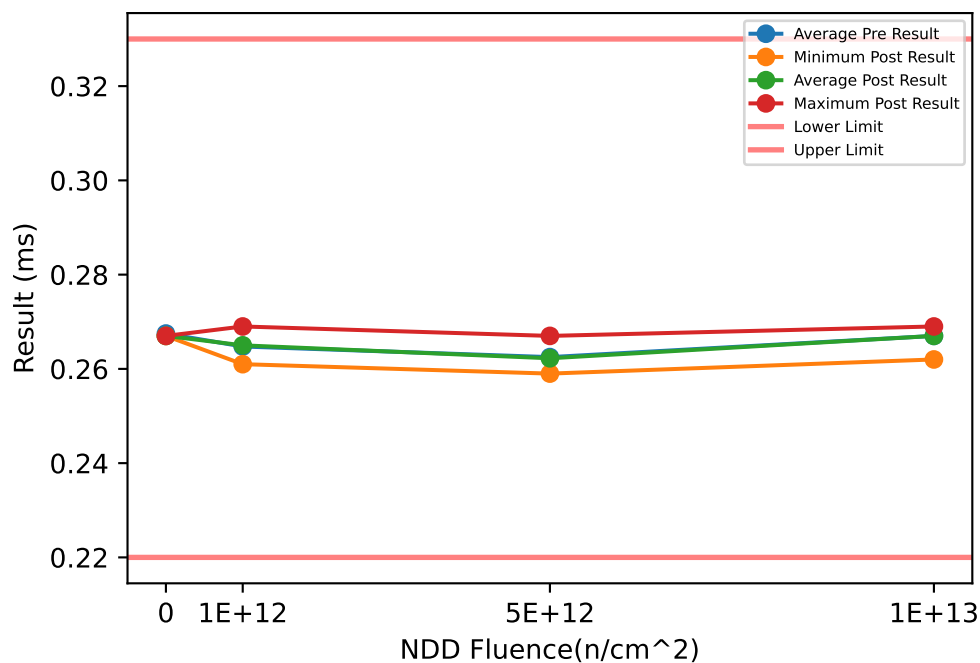


Test Statistics (s)

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	0.525	0.5295	0.534	0.006364	0.524	0.529	0.534	0.0070711	-0.001	-0.0005	0	0.00070711
1e+12	0.522	0.5275	0.534	0.0049329	0.522	0.52725	0.534	0.0049917	-0.001	-0.00025	0	0.0005
5e+12	0.521	0.5245	0.53	0.0043589	0.521	0.52425	0.529	0.0039476	-0.001	-0.00025	0	0.0005
1e+13	0.523	0.529	0.535	0.0054772	0.523	0.52925	0.535	0.0053151	0	0.00025	0.001	0.0005

Device Test: 5.59 ; DLY_TMR_10KOHM

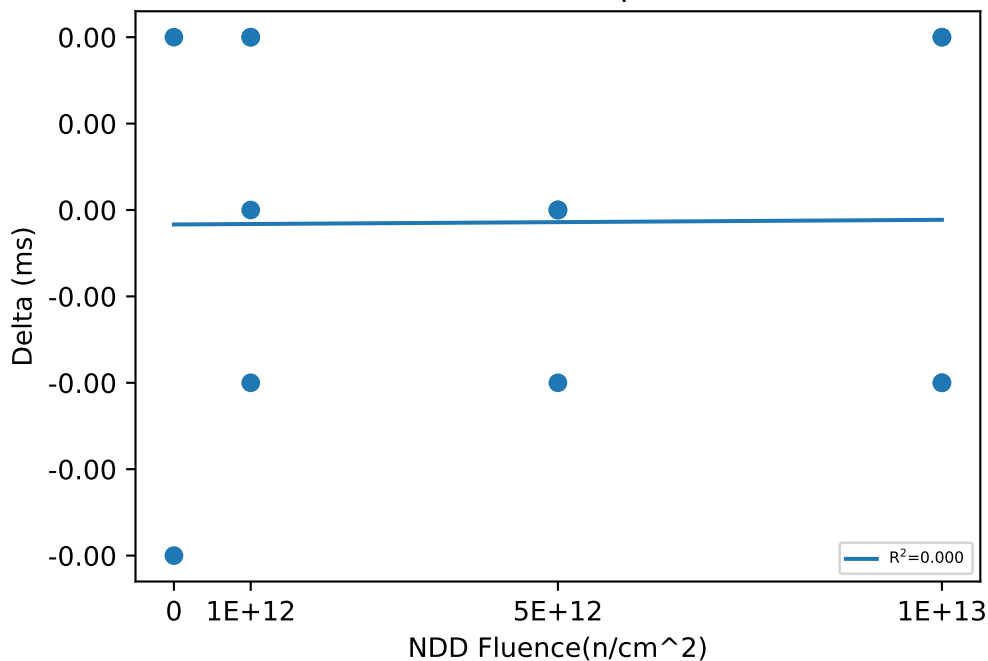
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.269	0.267	-0.002
301	0	Correlation	0.266	0.267	0.001
353	1e+12	NDD Unbiased	0.262	0.261	-0.001
354	1e+12	NDD Unbiased	0.261	0.262	0.001
355	1e+12	NDD Unbiased	0.269	0.269	0
356	1e+12	NDD Unbiased	0.267	0.268	0.001
357	5e+12	NDD Unbiased	0.26	0.259	-0.001
358	5e+12	NDD Unbiased	0.262	0.262	0
359	5e+12	NDD Unbiased	0.267	0.267	0
360	5e+12	NDD Unbiased	0.261	0.261	0
361	1e+13	NDD Unbiased	0.268	0.269	0.001
362	1e+13	NDD Unbiased	0.269	0.268	-0.001
363	1e+13	NDD Unbiased	0.263	0.262	-0.001
364	1e+13	NDD Unbiased	0.268	0.269	0.001

NDD vs Post - Pre Exposure Delta

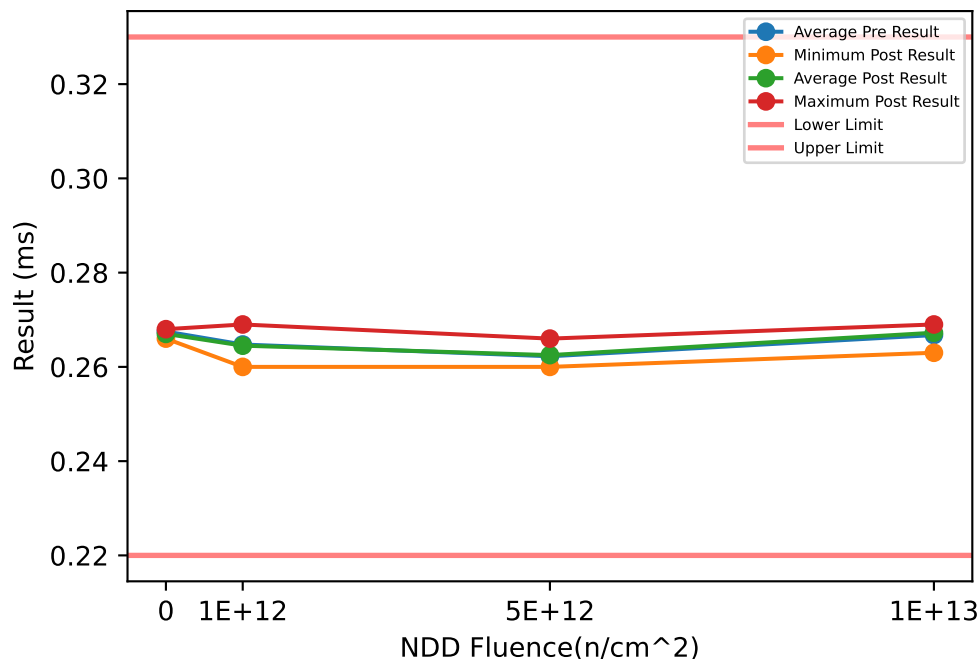


Test Statistics (ms)

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	0.266	0.2675	0.269	0.0021213	0.267	0.267	0.267	0	-0.002	-0.0005	0.001	0.0021213
1e+12	0.261	0.26475	0.269	0.0038622	0.261	0.265	0.269	0.0040825	-0.001	0.00025	0.001	0.00095743
5e+12	0.26	0.2625	0.267	0.0031091	0.259	0.26225	0.267	0.0034034	-0.001	-0.00025	0	0.0005
1e+13	0.263	0.267	0.269	0.002708	0.262	0.267	0.269	0.0033665	-0.001	0	0.001	0.0011547

Device Test: 5.60 ; DLY_TMR_10KOHM

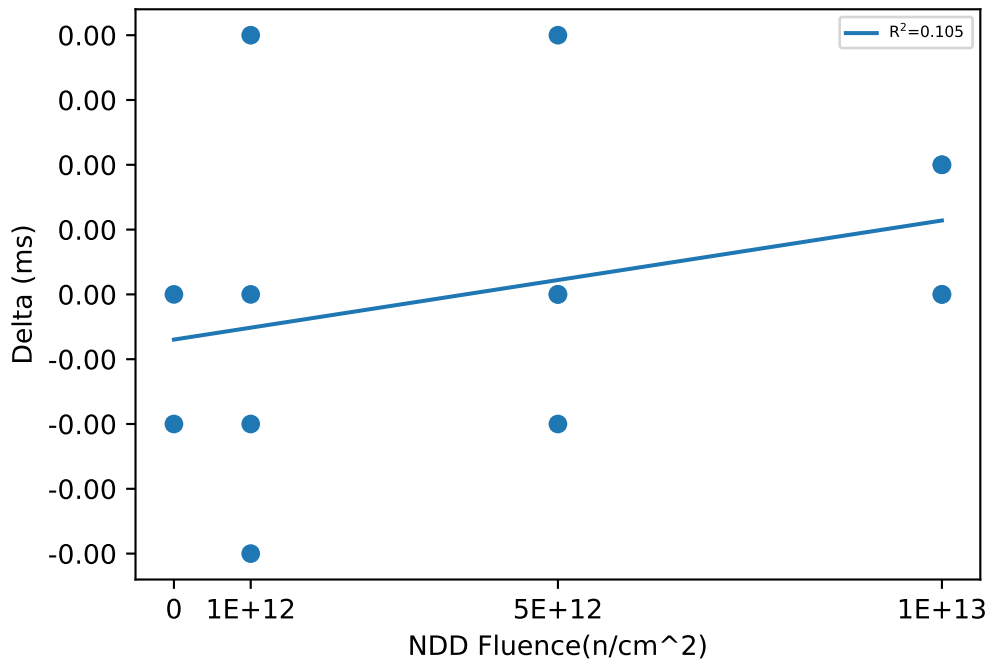
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.268	0.268	0
301	0	Correlation	0.267	0.266	-0.001
353	1e+12	NDD Unbiased	0.261	0.261	0
354	1e+12	NDD Unbiased	0.262	0.26	-0.002
355	1e+12	NDD Unbiased	0.27	0.269	-0.001
356	1e+12	NDD Unbiased	0.266	0.268	0.002
357	5e+12	NDD Unbiased	0.26	0.26	0
358	5e+12	NDD Unbiased	0.261	0.263	0.002
359	5e+12	NDD Unbiased	0.267	0.266	-0.001
360	5e+12	NDD Unbiased	0.261	0.261	0
361	1e+13	NDD Unbiased	0.268	0.269	0.001
362	1e+13	NDD Unbiased	0.269	0.269	0
363	1e+13	NDD Unbiased	0.263	0.263	0
364	1e+13	NDD Unbiased	0.267	0.268	0.001

NDD vs Post - Pre Exposure Delta

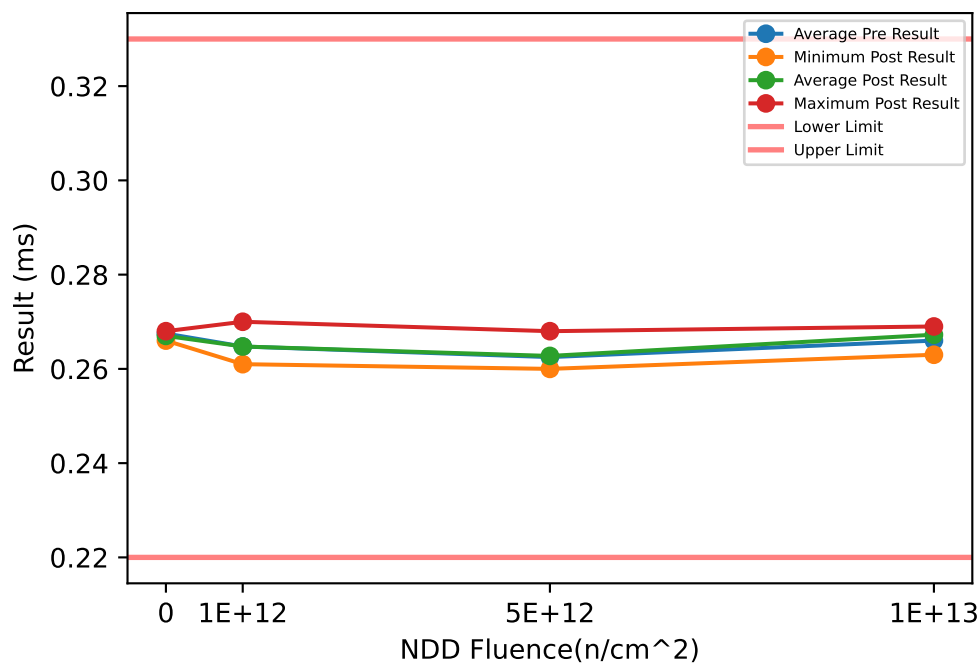


Test Statistics (ms)

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	0.267	0.2675	0.268	0.00070711	0.266	0.267	0.268	0.0014142	-0.001	-0.0005	0	0.00070711
1e+12	0.261	0.26475	0.27	0.004113	0.26	0.2645	0.269	0.0046547	-0.002	-0.00025	0.002	0.0017078
5e+12	0.26	0.26225	0.267	0.0032016	0.26	0.2625	0.266	0.0026458	-0.001	0.00025	0.002	0.0012583
1e+13	0.263	0.26675	0.269	0.00263	0.263	0.26725	0.269	0.0028723	0	0.0005	0.001	0.00057735

Device Test: 5.61 ; DLY_TMR_10KOHM

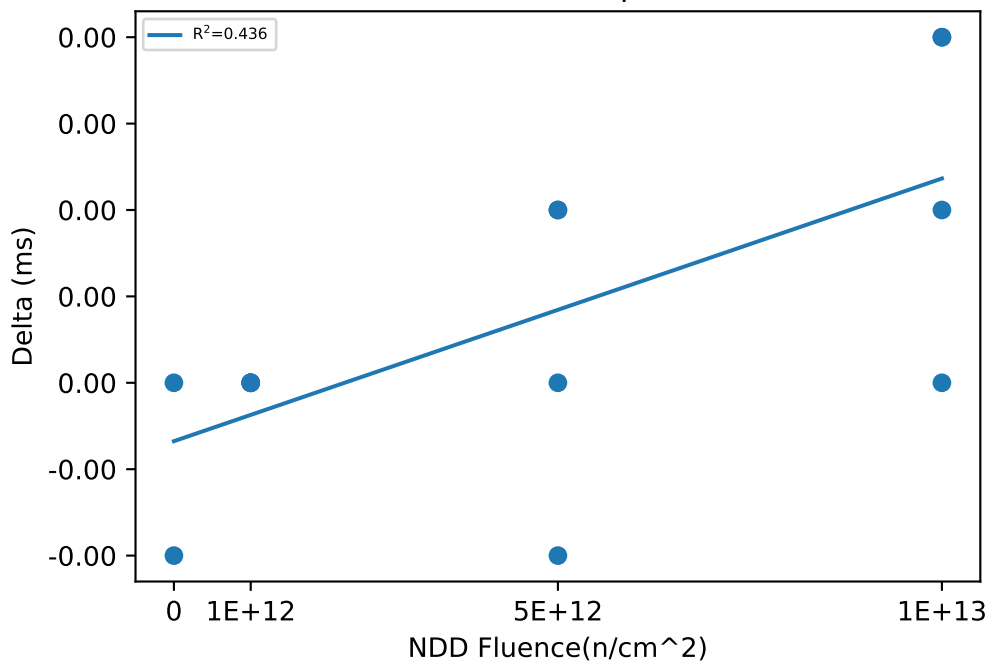
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.269	0.268	-0.001
301	0	Correlation	0.266	0.266	0
353	1e+12	NDD Unbiased	0.262	0.262	0
354	1e+12	NDD Unbiased	0.261	0.261	0
355	1e+12	NDD Unbiased	0.27	0.27	0
356	1e+12	NDD Unbiased	0.266	0.266	0
357	5e+12	NDD Unbiased	0.259	0.26	0.001
358	5e+12	NDD Unbiased	0.262	0.262	0
359	5e+12	NDD Unbiased	0.267	0.268	0.001
360	5e+12	NDD Unbiased	0.262	0.261	-0.001
361	1e+13	NDD Unbiased	0.267	0.269	0.002
362	1e+13	NDD Unbiased	0.268	0.268	0
363	1e+13	NDD Unbiased	0.262	0.263	0.001
364	1e+13	NDD Unbiased	0.267	0.269	0.002

NDD vs Post - Pre Exposure Delta

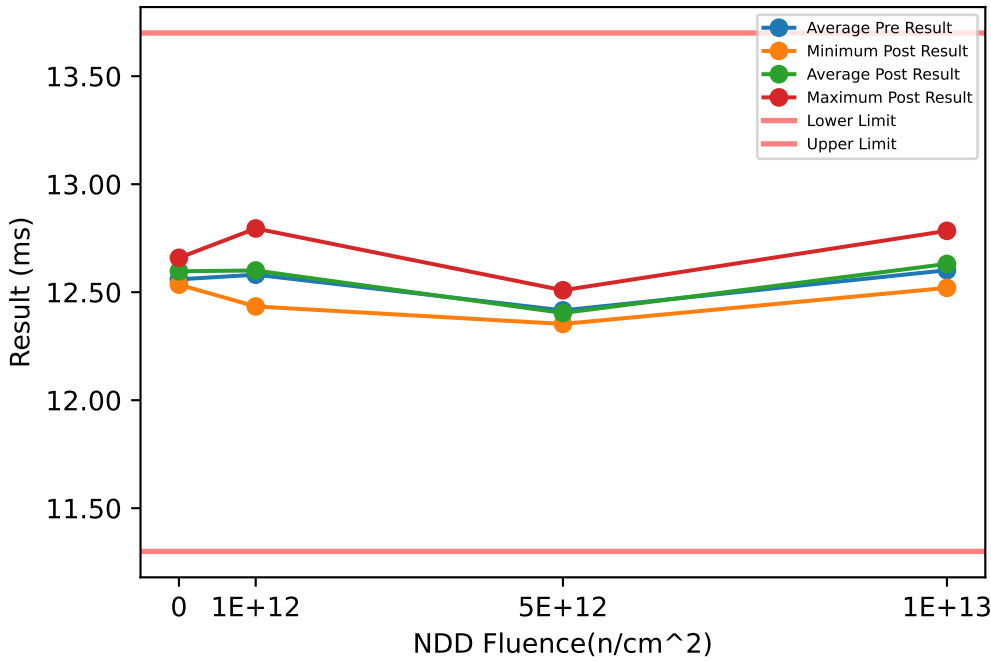


Test Statistics (ms)

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	0.266	0.2675	0.269	0.0021213	0.266	0.267	0.268	0.0014142	-0.001	-0.0005	0	0.00070711
1e+12	0.261	0.26475	0.27	0.004113	0.261	0.26475	0.27	0.004113	0	0	0	0
5e+12	0.259	0.2625	0.267	0.0033166	0.26	0.26275	0.268	0.003594	-0.001	0.00025	0.001	0.00095743
1e+13	0.262	0.266	0.268	0.002708	0.263	0.26725	0.269	0.0028723	0	0.00125	0.002	0.00095743

Device Test: 5.62 ; DLY_TMR_500KOHM

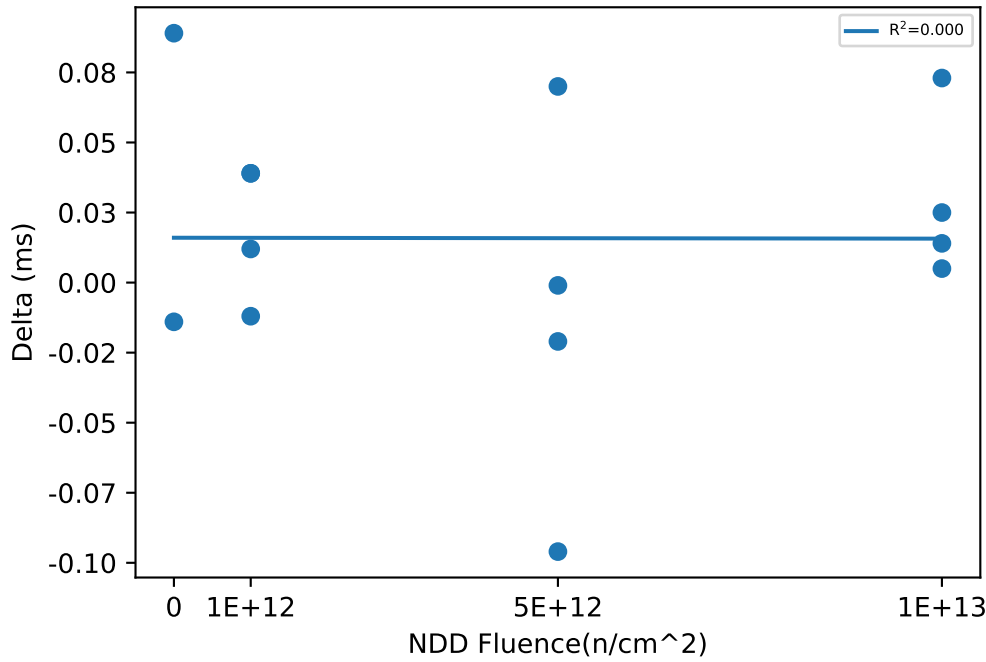
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.673	12.659	-0.014
301	0	Correlation	12.446	12.535	0.089
353	1e+12	NDD Unbiased	12.453	12.492	0.039
354	1e+12	NDD Unbiased	12.395	12.434	0.039
355	1e+12	NDD Unbiased	12.783	12.795	0.012
356	1e+12	NDD Unbiased	12.693	12.681	-0.012
357	5e+12	NDD Unbiased	12.449	12.353	-0.096
358	5e+12	NDD Unbiased	12.405	12.384	-0.021
359	5e+12	NDD Unbiased	12.37	12.369	-0.001
360	5e+12	NDD Unbiased	12.439	12.509	0.07
361	1e+13	NDD Unbiased	12.615	12.688	0.073
362	1e+13	NDD Unbiased	12.759	12.784	0.025
363	1e+13	NDD Unbiased	12.506	12.52	0.014
364	1e+13	NDD Unbiased	12.527	12.532	0.005

NDD vs Post - Pre Exposure Delta

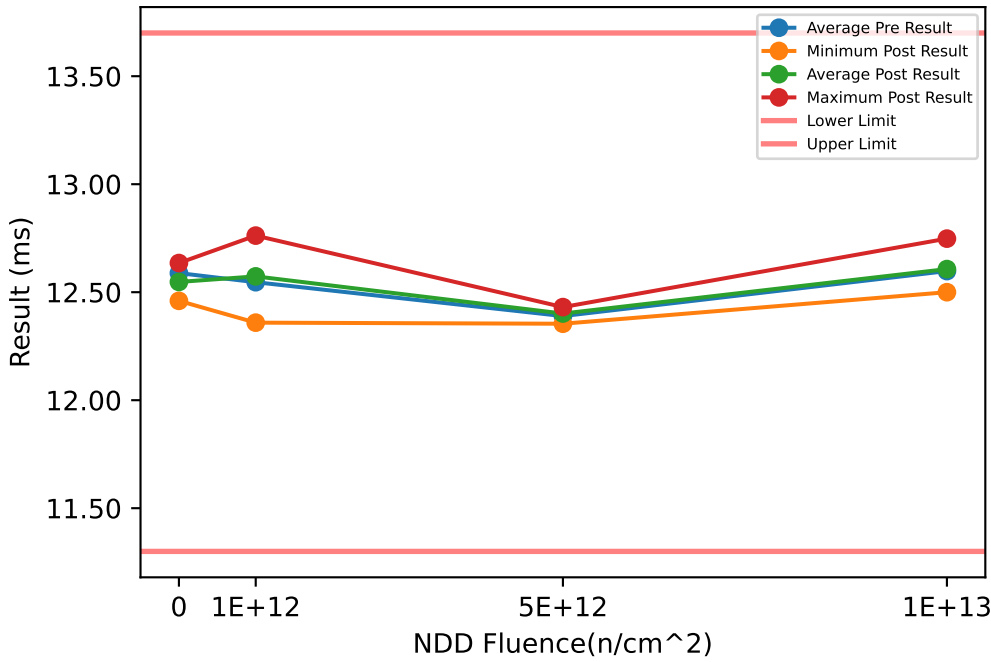


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.446	12.559	12.673	0.16051	12.535	12.597	12.659	0.087681	-0.014	0.0375	0.089	0.072832
1e+12	12.395	12.581	12.783	0.18648	12.434	12.601	12.795	0.16714	-0.012	0.0195	0.039	0.024556
5e+12	12.37	12.416	12.449	0.035846	12.353	12.404	12.509	0.071299	-0.096	-0.012	0.07	0.068269
1e+13	12.506	12.602	12.759	0.11498	12.52	12.631	12.784	0.12751	0.005	0.02925	0.073	0.030292

Device Test: 5.63 ; DLY_TMR_500KOHM

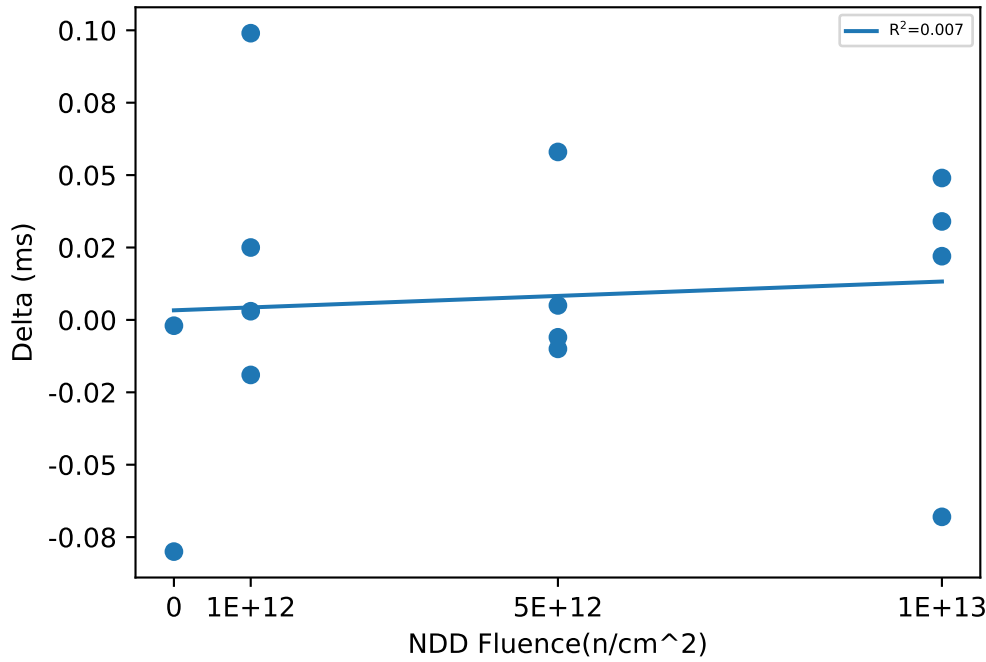
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.637	12.635	-0.002
301	0	Correlation	12.54	12.46	-0.08
353	1e+12	NDD Unbiased	12.388	12.487	0.099
354	1e+12	NDD Unbiased	12.378	12.359	-0.019
355	1e+12	NDD Unbiased	12.737	12.762	0.025
356	1e+12	NDD Unbiased	12.682	12.685	0.003
357	5e+12	NDD Unbiased	12.364	12.354	-0.01
358	5e+12	NDD Unbiased	12.39	12.395	0.005
359	5e+12	NDD Unbiased	12.373	12.431	0.058
360	5e+12	NDD Unbiased	12.431	12.425	-0.006
361	1e+13	NDD Unbiased	12.601	12.65	0.049
362	1e+13	NDD Unbiased	12.726	12.748	0.022
363	1e+13	NDD Unbiased	12.496	12.53	0.034
364	1e+13	NDD Unbiased	12.568	12.5	-0.068

NDD vs Post - Pre Exposure Delta

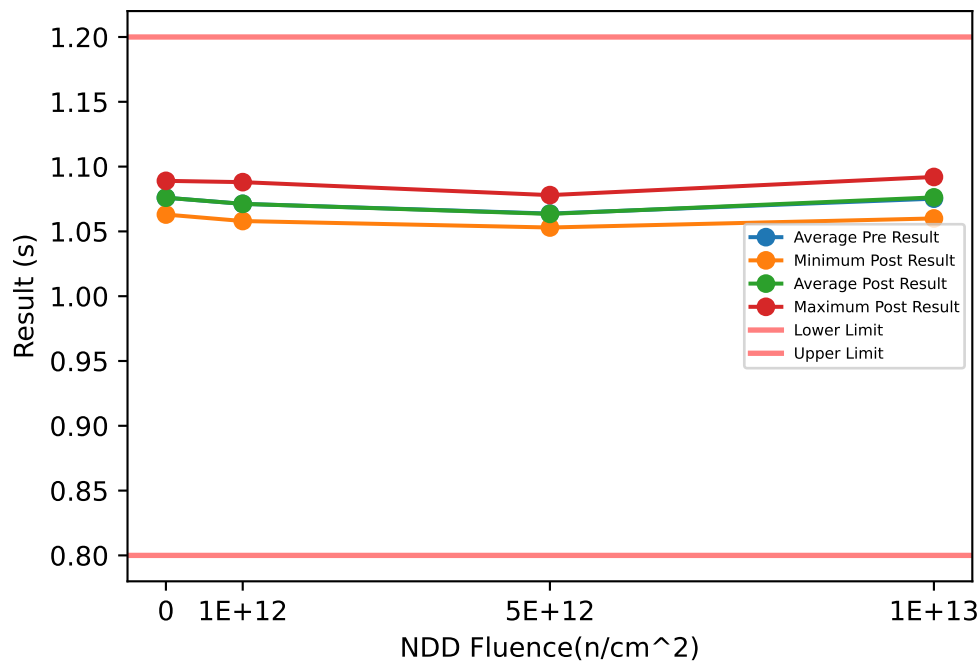


Test Statistics (ms)

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	12.54	12.588	12.637	0.068589	12.46	12.547	12.635	0.12374	-0.08	-0.041	-0.002	0.055154
1e+12	12.378	12.546	12.737	0.18988	12.359	12.573	12.762	0.1839	-0.019	0.027	0.099	0.051251
5e+12	12.364	12.389	12.431	0.029693	12.354	12.401	12.431	0.035217	-0.01	0.01175	0.058	0.031479
1e+13	12.496	12.598	12.726	0.096085	12.5	12.607	12.748	0.11418	-0.068	0.00925	0.049	0.052671

Device Test: 5.64 ; WD_TMR_500KOHM

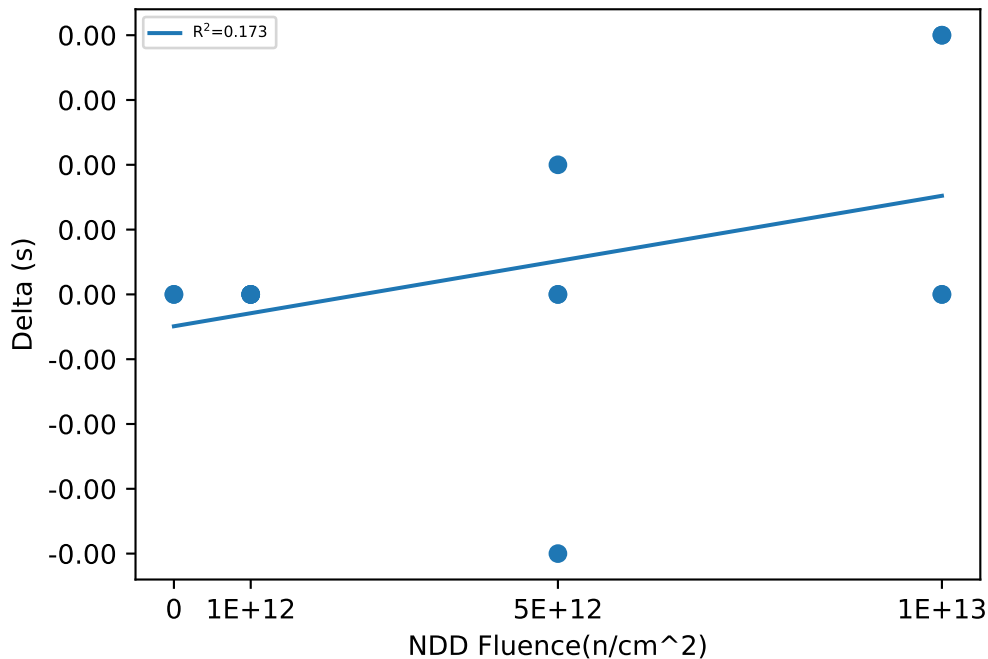
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.089	1.089	0
301	0	Correlation	1.063	1.063	0
353	1e+12	NDD Unbiased	1.058	1.058	0
354	1e+12	NDD Unbiased	1.069	1.069	0
355	1e+12	NDD Unbiased	1.088	1.088	0
356	1e+12	NDD Unbiased	1.07	1.07	0
357	5e+12	NDD Unbiased	1.067	1.067	0
358	5e+12	NDD Unbiased	1.08	1.078	-0.002
359	5e+12	NDD Unbiased	1.055	1.056	0.001
360	5e+12	NDD Unbiased	1.053	1.053	0
361	1e+13	NDD Unbiased	1.09	1.092	0.002
362	1e+13	NDD Unbiased	1.082	1.082	0
363	1e+13	NDD Unbiased	1.06	1.06	0
364	1e+13	NDD Unbiased	1.069	1.071	0.002

NDD vs Post - Pre Exposure Delta

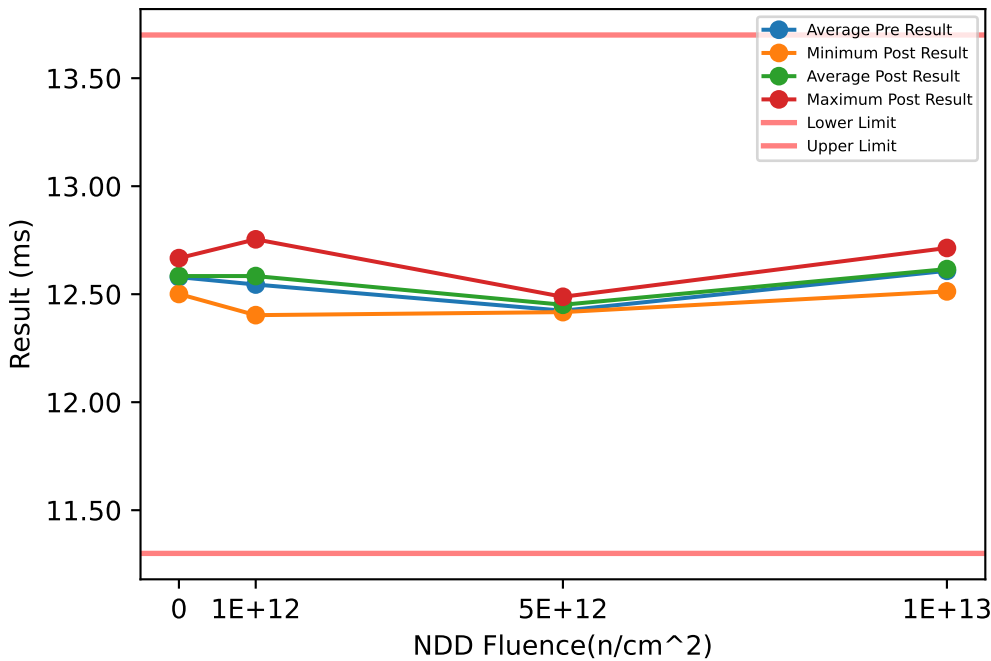


Test Statistics (s)

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	1.063	1.076	1.089	0.018385	1.063	1.076	1.089	0.018385	0	0	0	0
1e+12	1.058	1.0713	1.088	0.01242	1.058	1.0713	1.088	0.01242	0	0	0	0
5e+12	1.053	1.0637	1.08	0.012473	1.053	1.0635	1.078	0.011387	-0.002	-0.00025	0.001	0.0012583
1e+13	1.06	1.0753	1.09	0.013351	1.06	1.0762	1.092	0.013817	0	0.001	0.002	0.0011547

Device Test: 5.65 ; DLY_TMR_500KOHM

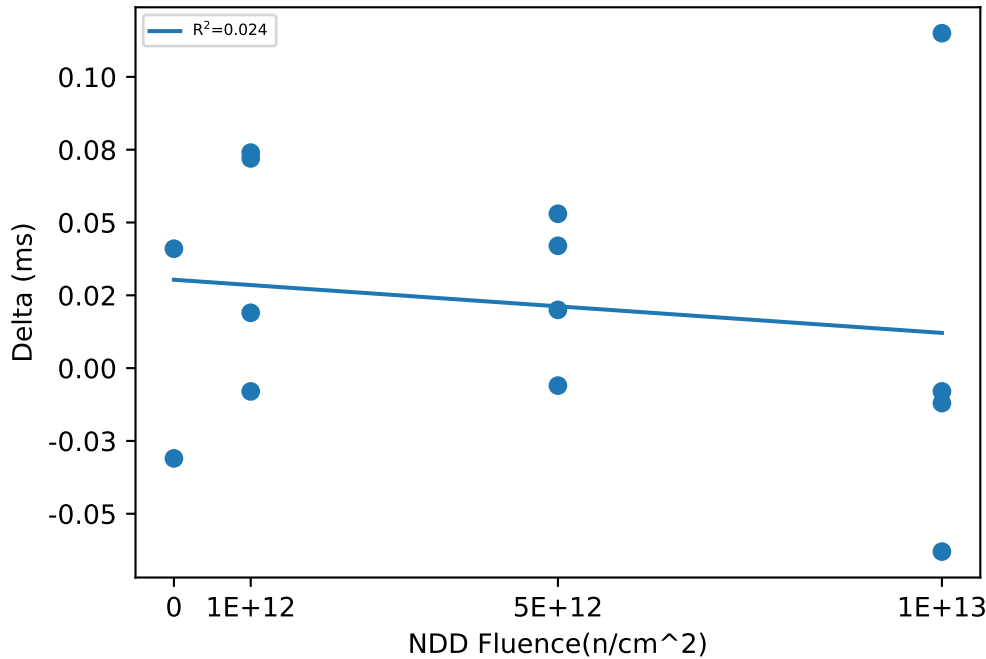
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.626	12.667	0.041
301	0	Correlation	12.532	12.501	-0.031
353	1e+12	NDD Unbiased	12.384	12.403	0.019
354	1e+12	NDD Unbiased	12.371	12.445	0.074
355	1e+12	NDD Unbiased	12.762	12.754	-0.008
356	1e+12	NDD Unbiased	12.662	12.734	0.072
357	5e+12	NDD Unbiased	12.364	12.417	0.053
358	5e+12	NDD Unbiased	12.477	12.471	-0.006
359	5e+12	NDD Unbiased	12.408	12.428	0.02
360	5e+12	NDD Unbiased	12.446	12.488	0.042
361	1e+13	NDD Unbiased	12.598	12.713	0.115
362	1e+13	NDD Unbiased	12.722	12.714	-0.008
363	1e+13	NDD Unbiased	12.576	12.513	-0.063
364	1e+13	NDD Unbiased	12.537	12.525	-0.012

NDD vs Post - Pre Exposure Delta

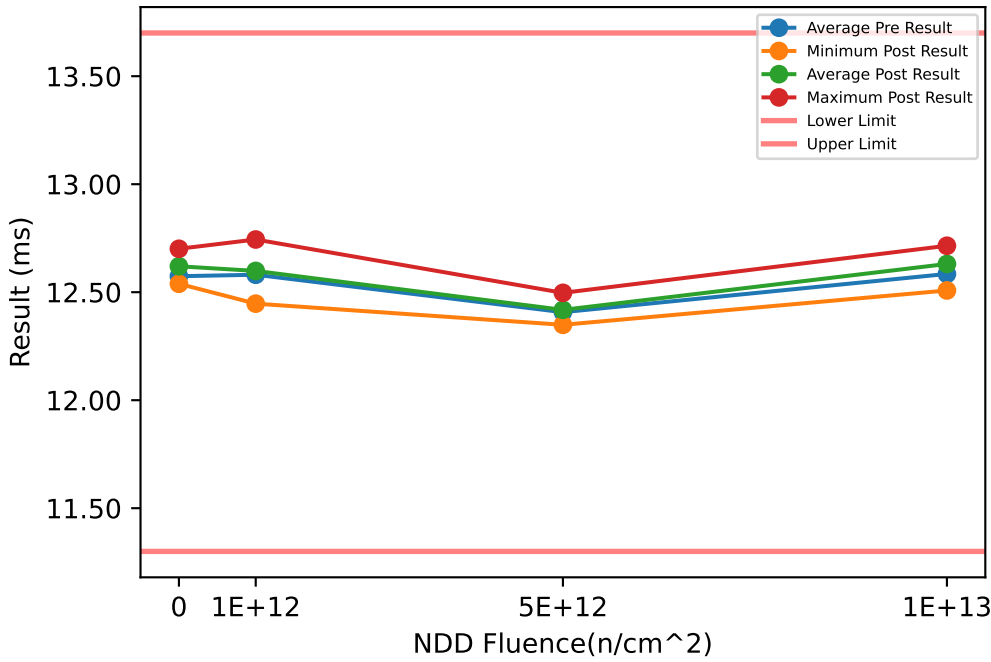


Test Statistics (ms)

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	12.532	12.579	12.626	0.066468	12.501	12.584	12.667	0.11738	-0.031	0.005	0.041	0.050912
1e+12	12.371	12.545	12.762	0.19746	12.403	12.584	12.754	0.18573	-0.008	0.03925	0.074	0.040508
5e+12	12.364	12.424	12.477	0.048815	12.417	12.451	12.488	0.033931	-0.006	0.02725	0.053	0.026069
1e+13	12.537	12.608	12.722	0.079918	12.513	12.616	12.714	0.1124	-0.063	0.008	0.115	0.0756

Device Test: 5.66 ; DLY_TMR_500KOHM

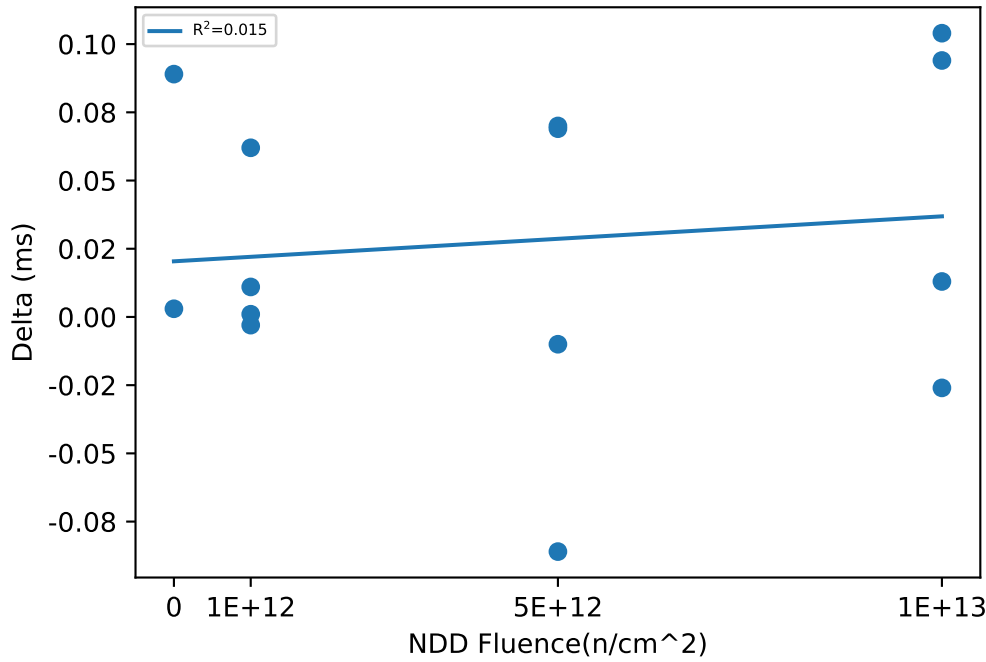
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.698	12.701	0.003
301	0	Correlation	12.45	12.539	0.089
353	1e+12	NDD Unbiased	12.455	12.466	0.011
354	1e+12	NDD Unbiased	12.446	12.447	0.001
355	1e+12	NDD Unbiased	12.747	12.744	-0.003
356	1e+12	NDD Unbiased	12.675	12.737	0.062
357	5e+12	NDD Unbiased	12.359	12.349	-0.01
358	5e+12	NDD Unbiased	12.475	12.389	-0.086
359	5e+12	NDD Unbiased	12.369	12.438	0.069
360	5e+12	NDD Unbiased	12.427	12.497	0.07
361	1e+13	NDD Unbiased	12.615	12.709	0.094
362	1e+13	NDD Unbiased	12.741	12.715	-0.026
363	1e+13	NDD Unbiased	12.487	12.591	0.104
364	1e+13	NDD Unbiased	12.495	12.508	0.013

NDD vs Post - Pre Exposure Delta

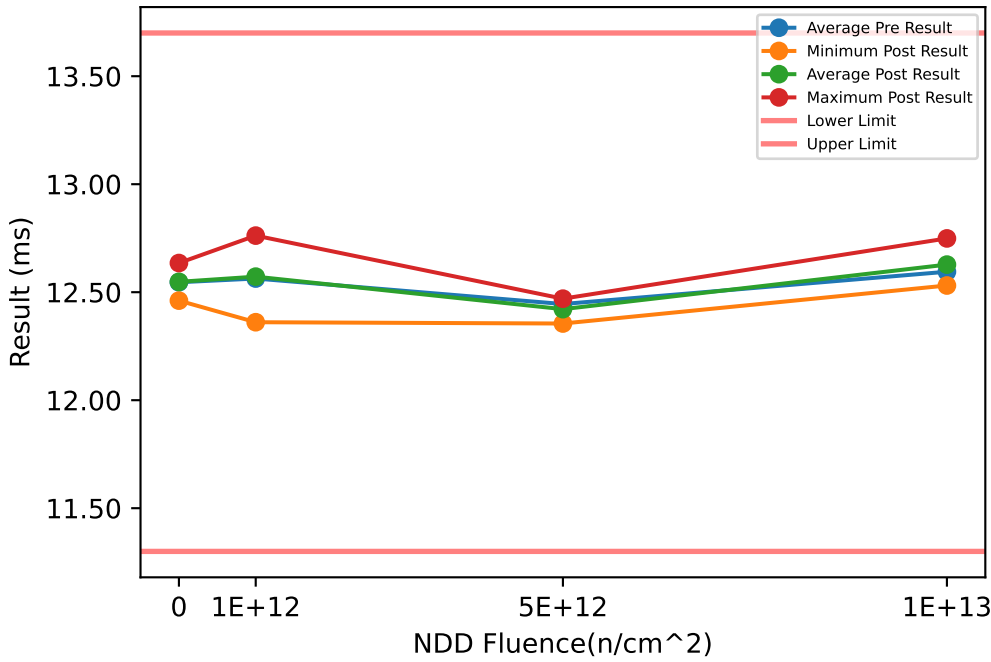


Test Statistics (ms)

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	12.574	12.698	0.17536	12.539	12.62	12.701	0.11455	0.003	0.046	0.089	0.060811
1e+12	12.446	12.581	12.747	0.15329	12.447	12.598	12.744	0.16418	-0.003	0.01775	0.062	0.030082
5e+12	12.359	12.407	12.475	0.054071	12.349	12.418	12.497	0.063882	-0.086	0.01075	0.07	0.074598
1e+13	12.487	12.585	12.741	0.11964	12.508	12.631	12.715	0.099781	-0.026	0.04625	0.104	0.063089

Device Test: 5.67 ; DLY_TMR_500KOHM

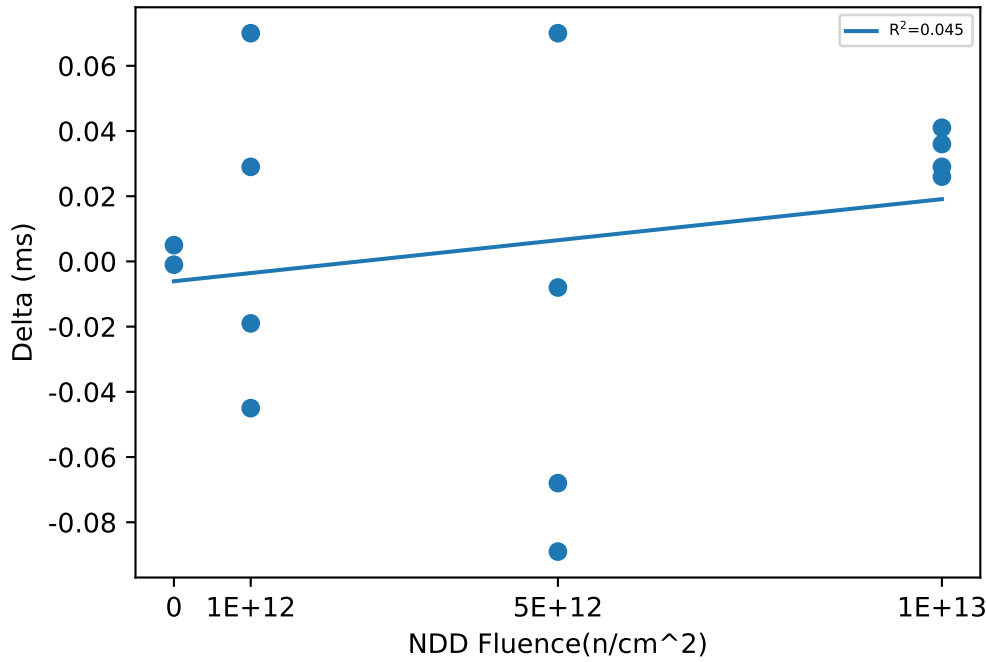
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.636	12.635	-0.001
301	0	Correlation	12.456	12.461	0.005
353	1e+12	NDD Unbiased	12.458	12.413	-0.045
354	1e+12	NDD Unbiased	12.38	12.361	-0.019
355	1e+12	NDD Unbiased	12.733	12.762	0.029
356	1e+12	NDD Unbiased	12.682	12.752	0.07
357	5e+12	NDD Unbiased	12.444	12.436	-0.008
358	5e+12	NDD Unbiased	12.4	12.47	0.07
359	5e+12	NDD Unbiased	12.444	12.355	-0.089
360	5e+12	NDD Unbiased	12.493	12.425	-0.068
361	1e+13	NDD Unbiased	12.622	12.651	0.029
362	1e+13	NDD Unbiased	12.713	12.749	0.036
363	1e+13	NDD Unbiased	12.49	12.531	0.041
364	1e+13	NDD Unbiased	12.554	12.58	0.026

NDD vs Post - Pre Exposure Delta

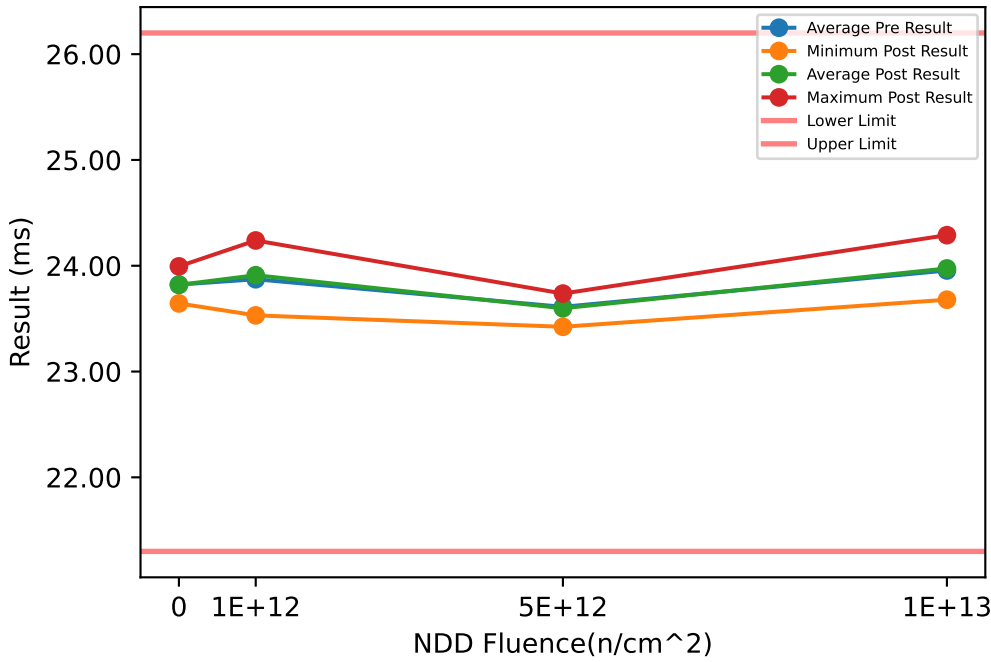


Test Statistics (ms)

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	12.546	12.636	0.12728	12.461	12.548	12.635	0.12304	-0.001	0.002	0.005	0.0042426
1e+12	12.38	12.563	12.733	0.17086	12.361	12.572	12.762	0.21471	-0.045	0.00875	0.07	0.051058
5e+12	12.4	12.445	12.493	0.037995	12.355	12.421	12.47	0.048294	-0.089	-0.02375	0.07	0.071304
1e+13	12.49	12.595	12.713	0.095497	12.531	12.628	12.749	0.094662	0.026	0.033	0.041	0.0067823

Device Test: 5.68 ; DLY_TMR_1MOHM

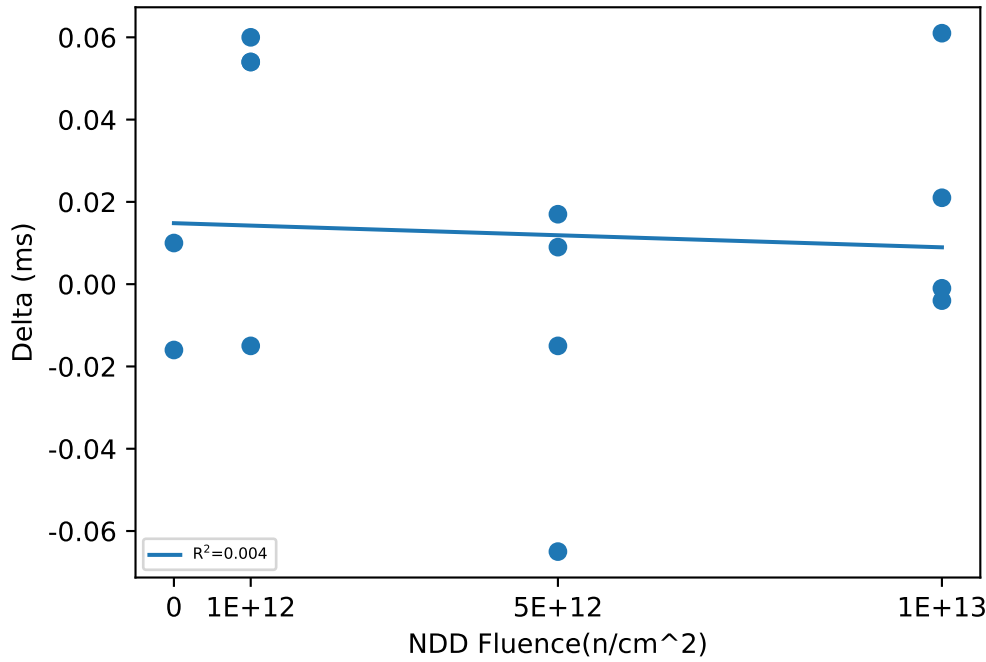
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.01	23.994	-0.016
301	0	Correlation	23.634	23.644	0.01
353	1e+12	NDD Unbiased	23.626	23.686	0.06
354	1e+12	NDD Unbiased	23.546	23.531	-0.015
355	1e+12	NDD Unbiased	24.185	24.239	0.054
356	1e+12	NDD Unbiased	24.132	24.186	0.054
357	5e+12	NDD Unbiased	23.601	23.61	0.009
358	5e+12	NDD Unbiased	23.605	23.622	0.017
359	5e+12	NDD Unbiased	23.488	23.423	-0.065
360	5e+12	NDD Unbiased	23.752	23.737	-0.015
361	1e+13	NDD Unbiased	23.954	24.015	0.061
362	1e+13	NDD Unbiased	24.293	24.289	-0.004
363	1e+13	NDD Unbiased	23.916	23.915	-0.001
364	1e+13	NDD Unbiased	23.658	23.679	0.021

NDD vs Post - Pre Exposure Delta

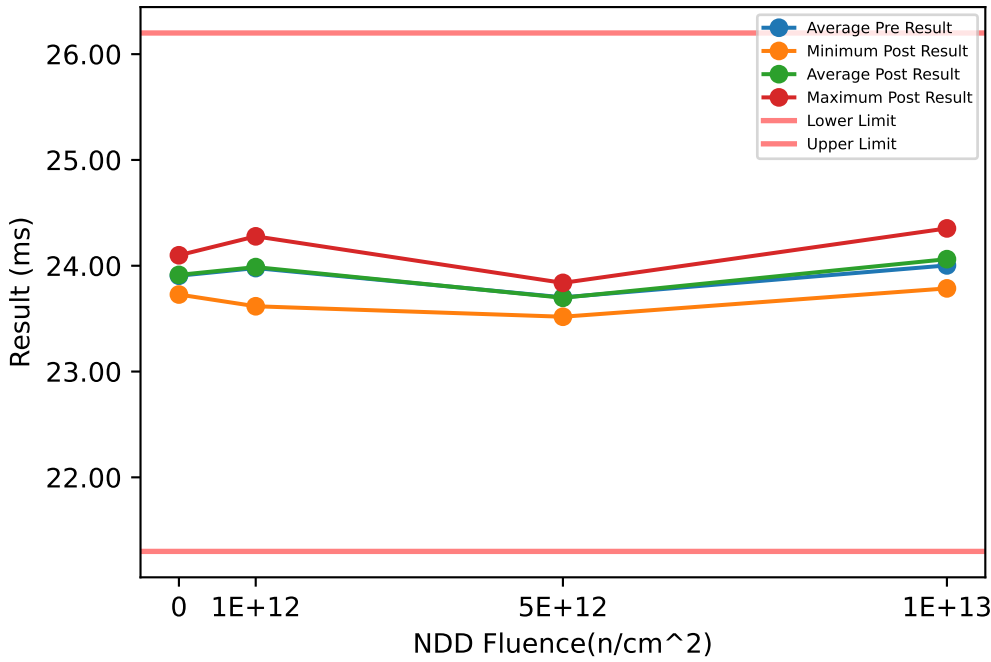


Test Statistics (ms)

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	23.634	23.822	24.01	0.26587	23.644	23.819	23.994	0.24749	-0.016	-0.003	0.01	0.018385
1e+12	23.546	23.872	24.185	0.33285	23.531	23.91	24.239	0.35507	-0.015	0.03825	0.06	0.035612
5e+12	23.488	23.611	23.752	0.10824	23.423	23.598	23.737	0.12996	-0.065	-0.0135	0.017	0.036928
1e+13	23.658	23.955	24.293	0.26075	23.679	23.974	24.289	0.25259	-0.004	0.01925	0.061	0.029982

Device Test: 5.69 ; DLY_TMR_1MOHM

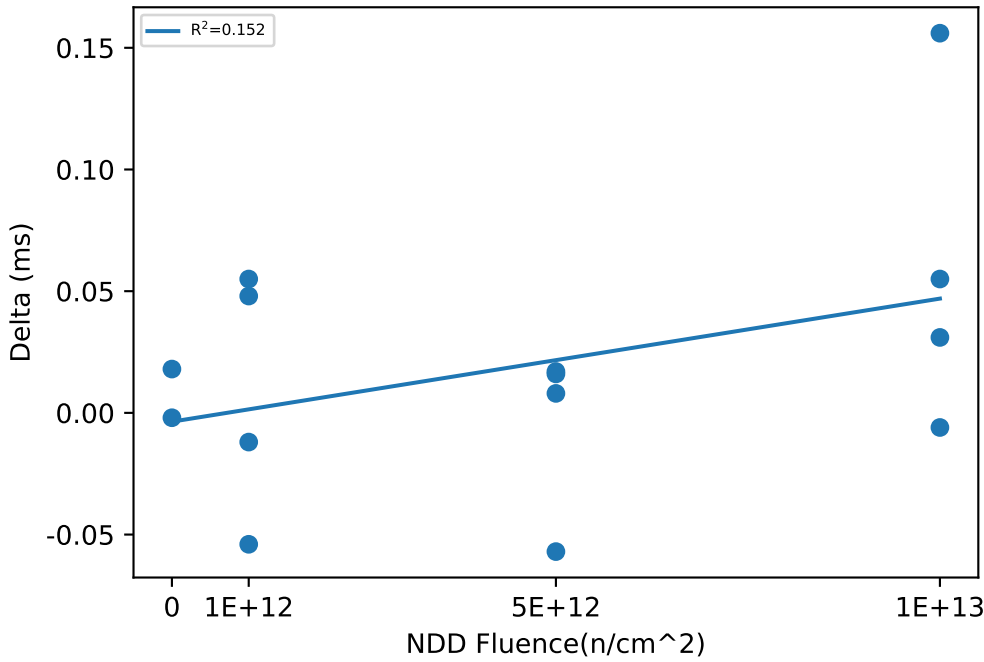
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.081	24.099	0.018
301	0	Correlation	23.73	23.728	-0.002
353	1e+12	NDD Unbiased	23.752	23.807	0.055
354	1e+12	NDD Unbiased	23.671	23.617	-0.054
355	1e+12	NDD Unbiased	24.29	24.278	-0.012
356	1e+12	NDD Unbiased	24.199	24.247	0.048
357	5e+12	NDD Unbiased	23.698	23.715	0.017
358	5e+12	NDD Unbiased	23.702	23.718	0.016
359	5e+12	NDD Unbiased	23.575	23.518	-0.057
360	5e+12	NDD Unbiased	23.83	23.838	0.008
361	1e+13	NDD Unbiased	24.046	24.101	0.055
362	1e+13	NDD Unbiased	24.359	24.353	-0.006
363	1e+13	NDD Unbiased	23.853	24.009	0.156
364	1e+13	NDD Unbiased	23.755	23.786	0.031

NDD vs Post - Pre Exposure Delta

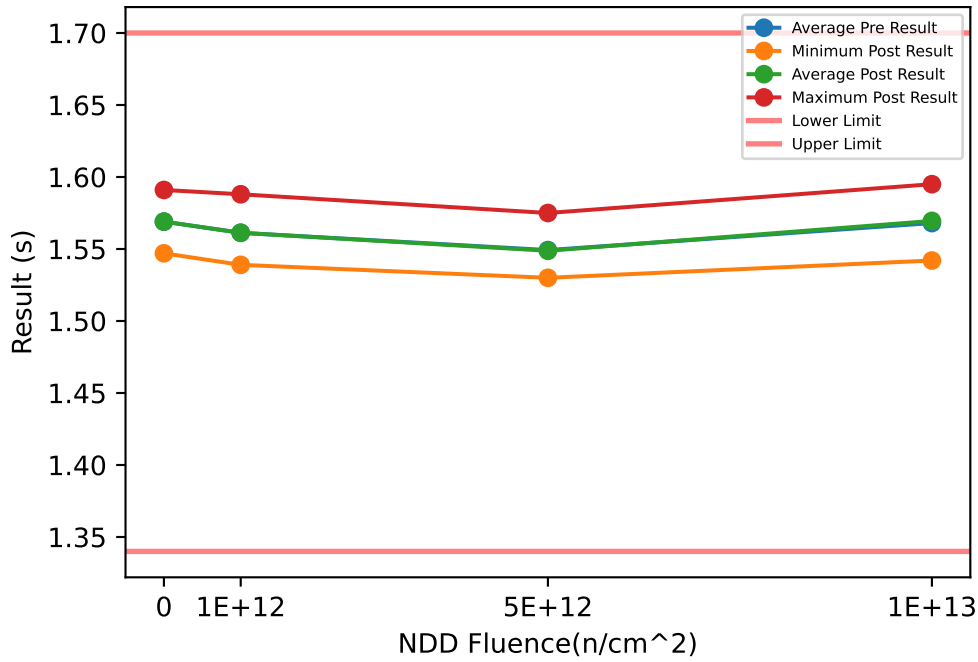


Test Statistics (ms)

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	23.73	23.905	24.081	0.24819	23.728	23.913	24.099	0.26234	-0.002	0.008	0.018	0.014142
1e+12	23.671	23.978	24.29	0.31172	23.617	23.987	24.278	0.3274	-0.054	0.00925	0.055	0.05179
5e+12	23.575	23.701	23.83	0.10413	23.518	23.697	23.838	0.13252	-0.057	-0.004	0.017	0.035562
1e+13	23.755	24.003	24.359	0.2662	23.786	24.062	24.353	0.23465	-0.006	0.059	0.156	0.069364

Device Test: 5.70 ; WD_TMR_1MOHM

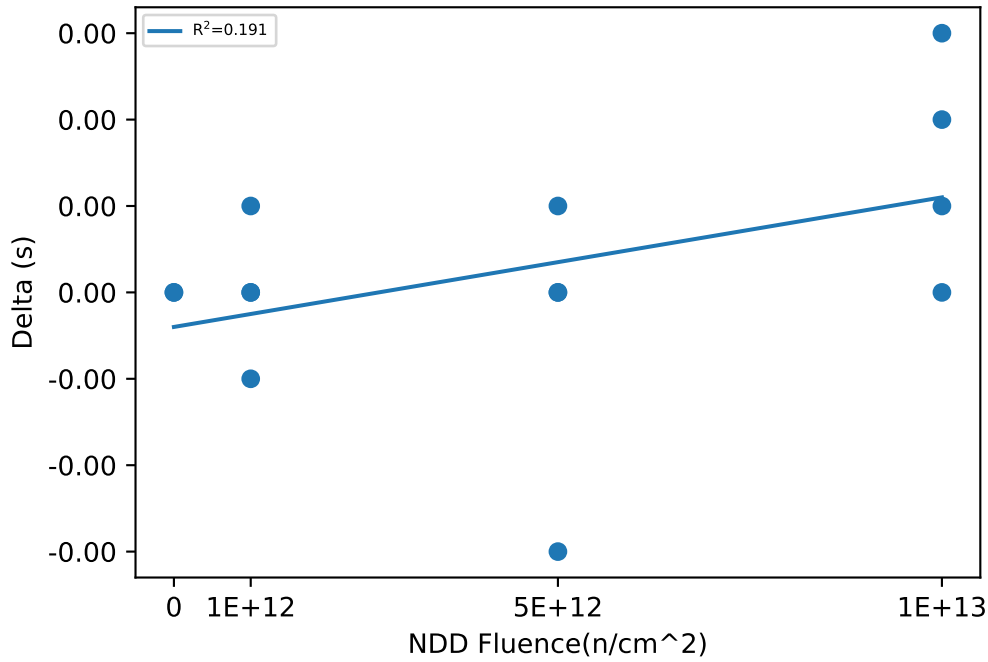
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.591	1.591	0
301	0	Correlation	1.547	1.547	0
353	1e+12	NDD Unbiased	1.539	1.539	0
354	1e+12	NDD Unbiased	1.558	1.558	0
355	1e+12	NDD Unbiased	1.589	1.588	-0.001
356	1e+12	NDD Unbiased	1.559	1.56	0.001
357	5e+12	NDD Unbiased	1.554	1.554	0
358	5e+12	NDD Unbiased	1.578	1.575	-0.003
359	5e+12	NDD Unbiased	1.535	1.536	0.001
360	5e+12	NDD Unbiased	1.53	1.53	0
361	1e+13	NDD Unbiased	1.593	1.595	0.002
362	1e+13	NDD Unbiased	1.579	1.58	0.001
363	1e+13	NDD Unbiased	1.542	1.542	0
364	1e+13	NDD Unbiased	1.558	1.561	0.003

NDD vs Post - Pre Exposure Delta

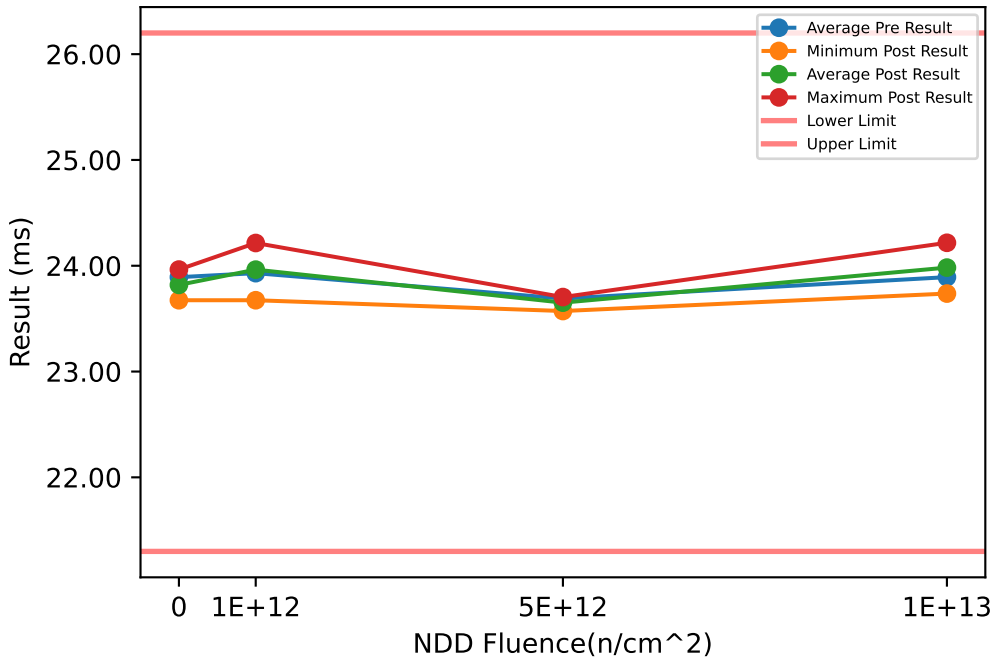


Test Statistics (s)

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	1.547	1.569	1.591	0.031113	1.547	1.569	1.591	0.031113	0	0	0	0
1e+12	1.539	1.5613	1.589	0.020662	1.539	1.5613	1.588	0.020189	-0.001	5.5511e-17	0.001	0.0008165
5e+12	1.53	1.5493	1.578	0.021777	1.53	1.5488	1.575	0.020255	-0.003	-0.0005	0.001	0.0017321
1e+13	1.542	1.568	1.593	0.022524	1.542	1.5695	1.595	0.023014	0	0.0015	0.003	0.001291

Device Test: 5.71 ; DLY_TMR_1MOHM

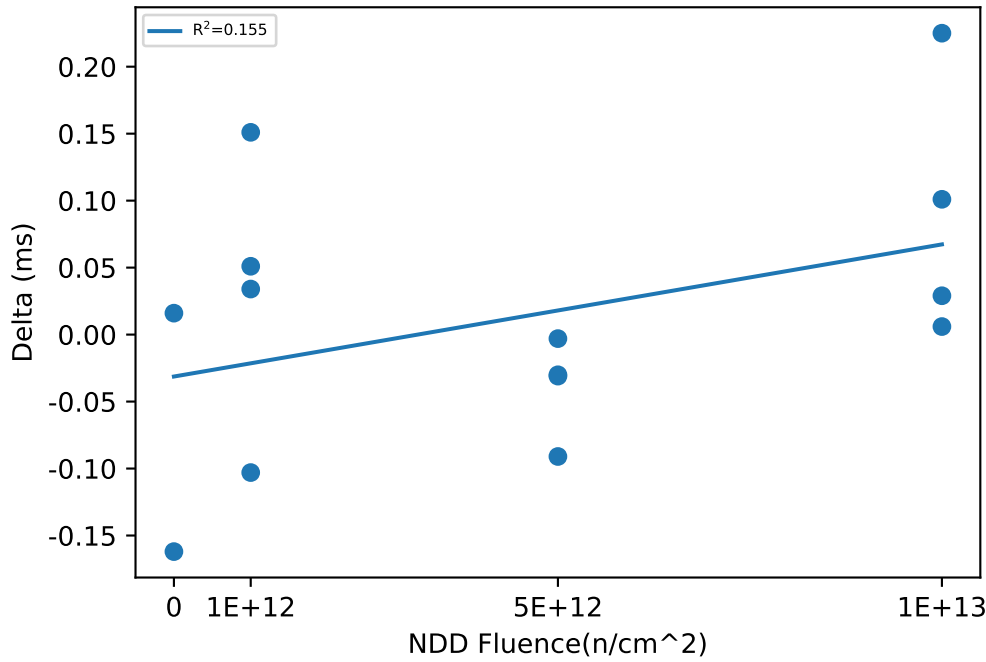
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.126	23.964	-0.162
301	0	Correlation	23.658	23.674	0.016
353	1e+12	NDD Unbiased	23.776	23.81	0.034
354	1e+12	NDD Unbiased	23.623	23.674	0.051
355	1e+12	NDD Unbiased	24.257	24.154	-0.103
356	1e+12	NDD Unbiased	24.064	24.215	0.151
357	5e+12	NDD Unbiased	23.751	23.66	-0.091
358	5e+12	NDD Unbiased	23.672	23.669	-0.003
359	5e+12	NDD Unbiased	23.603	23.572	-0.031
360	5e+12	NDD Unbiased	23.734	23.704	-0.03
361	1e+13	NDD Unbiased	23.926	23.955	0.029
362	1e+13	NDD Unbiased	24.211	24.217	0.006
363	1e+13	NDD Unbiased	23.796	24.021	0.225
364	1e+13	NDD Unbiased	23.636	23.737	0.101

NDD vs Post - Pre Exposure Delta

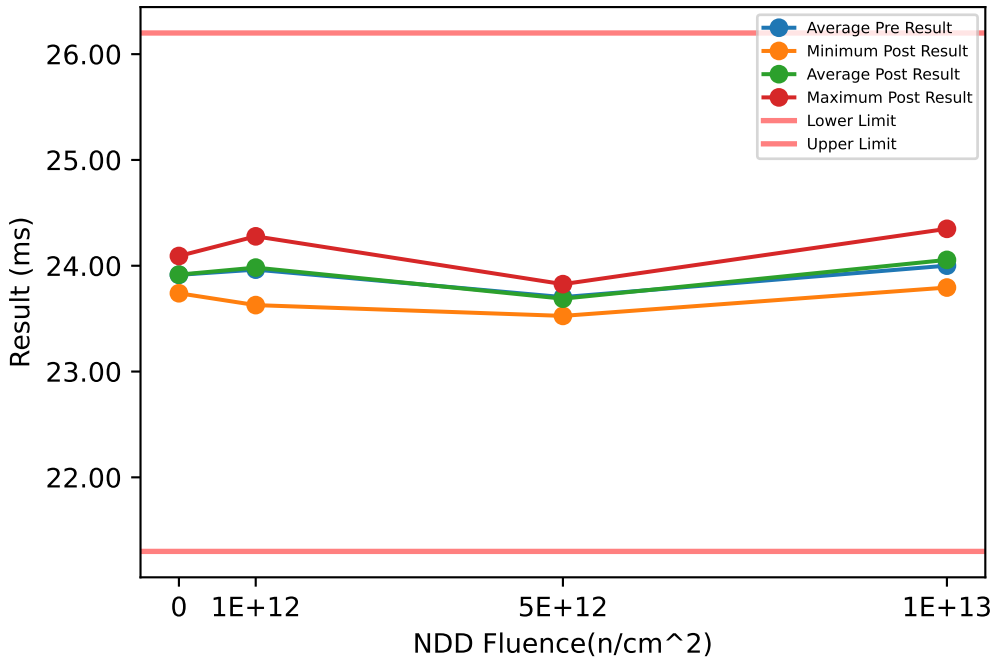


Test Statistics (ms)

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	23.658	23.892	24.126	0.33093	23.674	23.819	23.964	0.20506	-0.162	-0.073	0.016	0.12587
1e+12	23.623	23.93	24.257	0.28452	23.674	23.963	24.215	0.26262	-0.103	0.03325	0.151	0.10447
5e+12	23.603	23.69	23.751	0.067206	23.572	23.651	23.704	0.056139	-0.091	-0.03875	-0.003	0.03717
1e+13	23.636	23.892	24.211	0.24336	23.737	23.982	24.217	0.1979	0.006	0.09025	0.225	0.098527

Device Test: 5.72 ; DLY_TMR_1MOHM

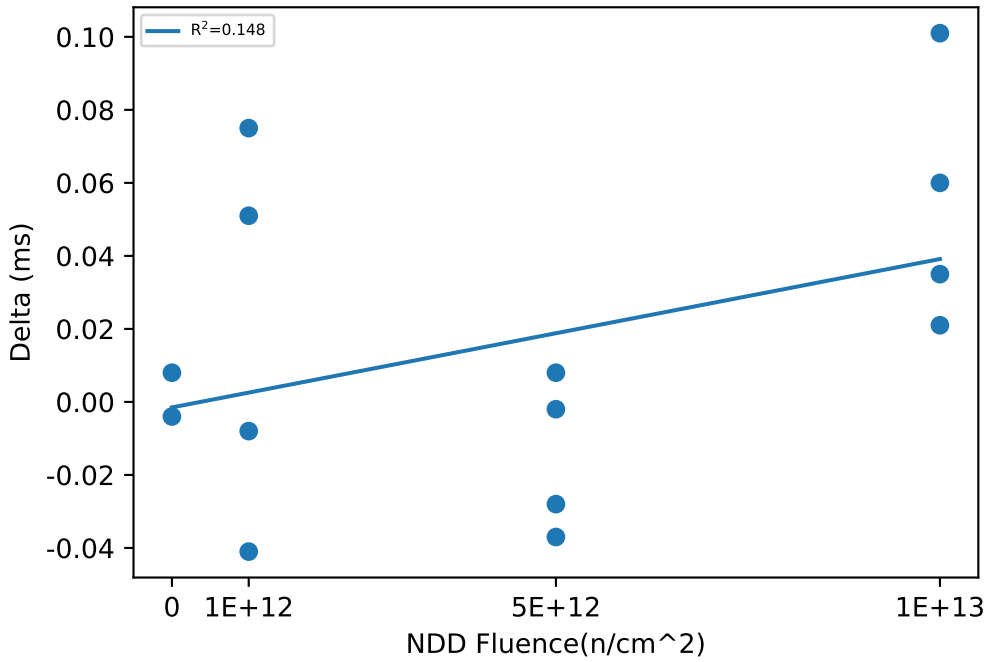
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.096	24.092	-0.004
301	0	Correlation	23.732	23.74	0.008
353	1e+12	NDD Unbiased	23.726	23.801	0.075
354	1e+12	NDD Unbiased	23.669	23.628	-0.041
355	1e+12	NDD Unbiased	24.286	24.278	-0.008
356	1e+12	NDD Unbiased	24.172	24.223	0.051
357	5e+12	NDD Unbiased	23.721	23.684	-0.037
358	5e+12	NDD Unbiased	23.711	23.719	0.008
359	5e+12	NDD Unbiased	23.554	23.526	-0.028
360	5e+12	NDD Unbiased	23.828	23.826	-0.002
361	1e+13	NDD Unbiased	24.033	24.093	0.06
362	1e+13	NDD Unbiased	24.328	24.349	0.021
363	1e+13	NDD Unbiased	23.884	23.985	0.101
364	1e+13	NDD Unbiased	23.759	23.794	0.035

NDD vs Post - Pre Exposure Delta

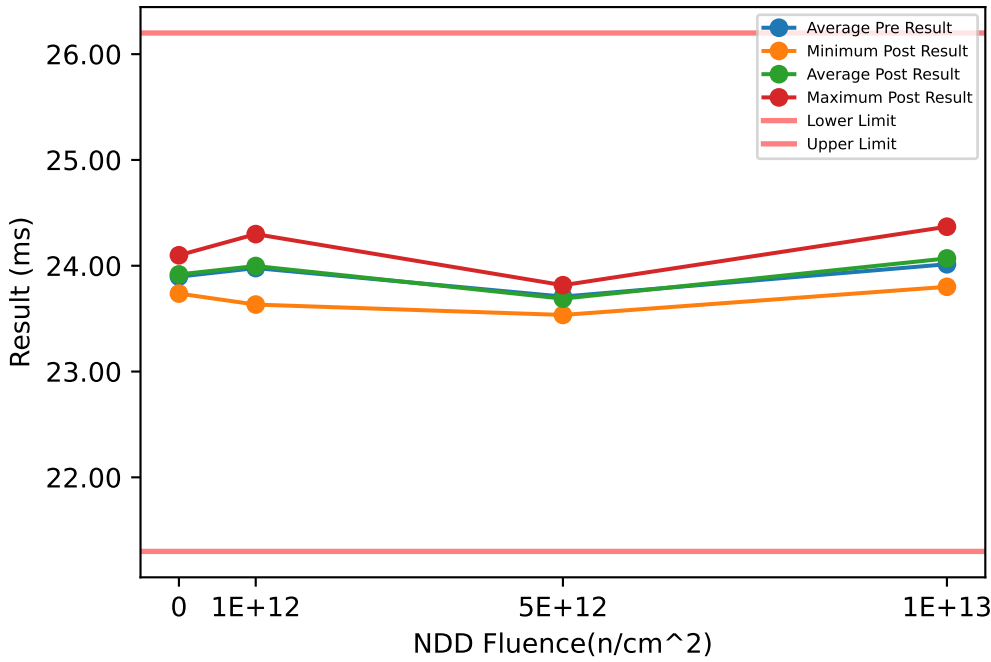


Test Statistics (ms)

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	23.732	23.914	24.096	0.25739	23.74	23.916	24.092	0.2489	-0.004	0.002	0.008	0.0084853
1e+12	23.669	23.963	24.286	0.31124	23.628	23.982	24.278	0.31821	-0.041	0.01925	0.075	0.053194
5e+12	23.554	23.703	23.828	0.11286	23.526	23.689	23.826	0.12418	-0.037	-0.01475	0.008	0.021219
1e+13	23.759	24.001	24.328	0.24509	23.794	24.055	24.349	0.23159	0.021	0.05425	0.101	0.035094

Device Test: 5.73 ; DLY_TMR_1MOHM

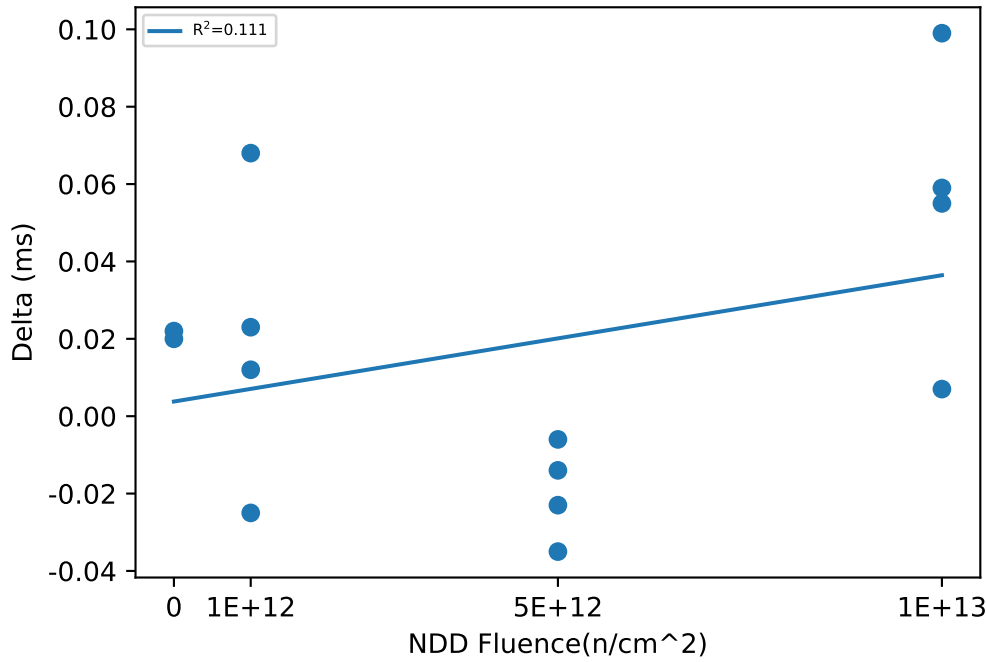
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.079	24.099	0.02
301	0	Correlation	23.715	23.737	0.022
353	1e+12	NDD Unbiased	23.741	23.809	0.068
354	1e+12	NDD Unbiased	23.658	23.633	-0.025
355	1e+12	NDD Unbiased	24.287	24.299	0.012
356	1e+12	NDD Unbiased	24.226	24.249	0.023
357	5e+12	NDD Unbiased	23.726	23.691	-0.035
358	5e+12	NDD Unbiased	23.728	23.714	-0.014
359	5e+12	NDD Unbiased	23.558	23.535	-0.023
360	5e+12	NDD Unbiased	23.822	23.816	-0.006
361	1e+13	NDD Unbiased	24.042	24.097	0.055
362	1e+13	NDD Unbiased	24.362	24.369	0.007
363	1e+13	NDD Unbiased	23.911	24.01	0.099
364	1e+13	NDD Unbiased	23.742	23.801	0.059

NDD vs Post - Pre Exposure Delta

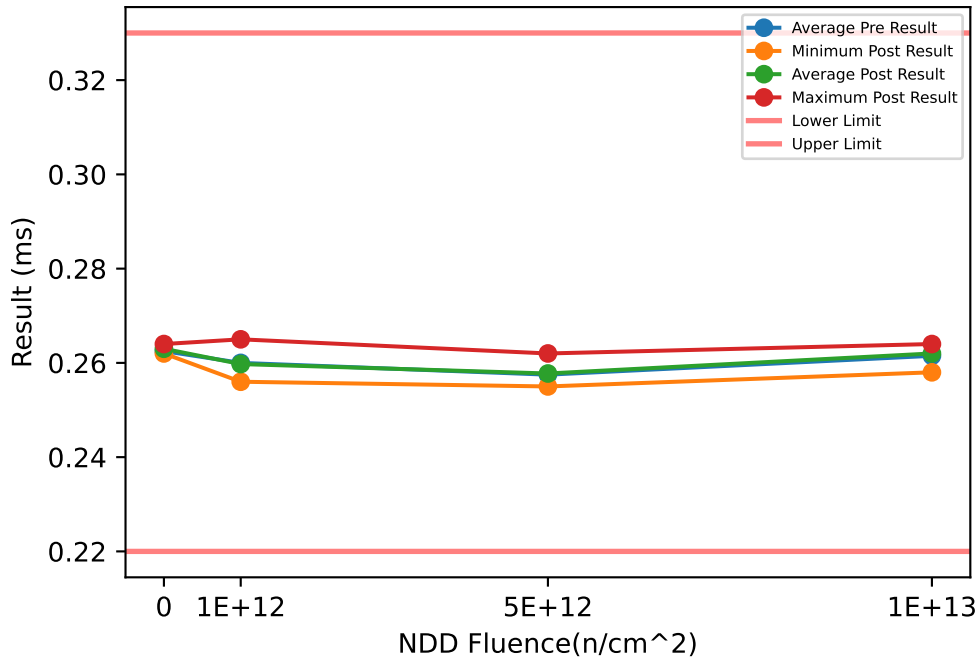


Test Statistics (ms)

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	23.715	23.897	24.079	0.25739	23.737	23.918	24.099	0.25597	0.02	0.021	0.022	0.0014142
1e+12	23.658	23.978	24.287	0.32432	23.633	23.997	24.299	0.3279	-0.025	0.0195	0.068	0.038301
5e+12	23.558	23.709	23.822	0.10988	23.535	23.689	23.816	0.11615	-0.035	-0.0195	-0.006	0.01245
1e+13	23.742	24.014	24.362	0.26235	23.801	24.069	24.369	0.23529	0.007	0.055	0.099	0.037665

Device Test: 5.74 ; DLY_TMR_10KOHM

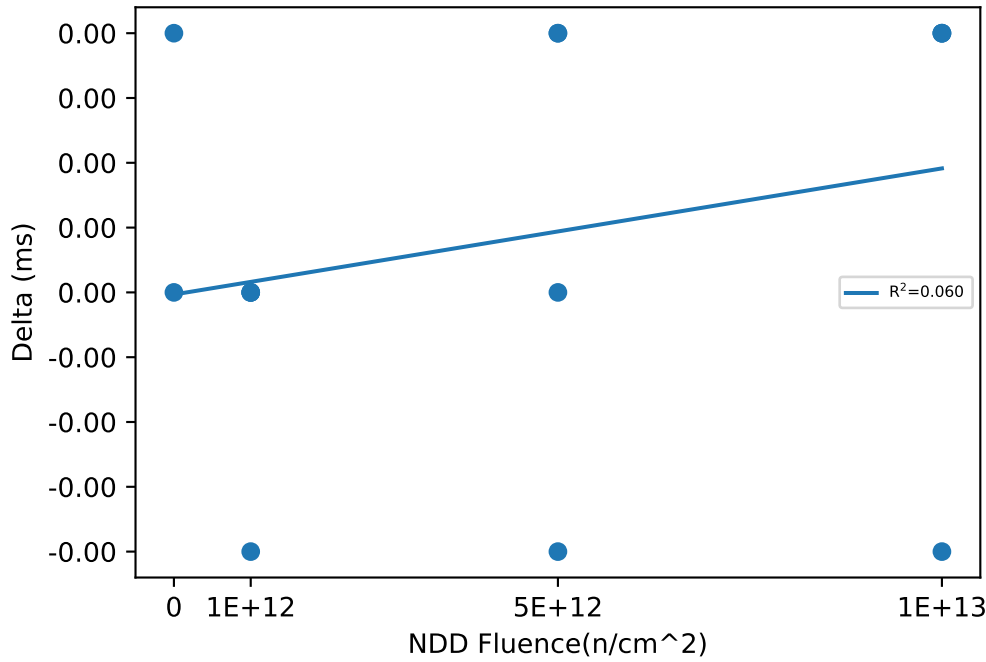
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.263	0.264	0.001
301	0	Correlation	0.262	0.262	0
353	1e+12	NDD Unbiased	0.256	0.256	0
354	1e+12	NDD Unbiased	0.256	0.256	0
355	1e+12	NDD Unbiased	0.265	0.265	0
356	1e+12	NDD Unbiased	0.263	0.262	-0.001
357	5e+12	NDD Unbiased	0.255	0.255	0
358	5e+12	NDD Unbiased	0.258	0.257	-0.001
359	5e+12	NDD Unbiased	0.261	0.262	0.001
360	5e+12	NDD Unbiased	0.256	0.257	0.001
361	1e+13	NDD Unbiased	0.264	0.263	-0.001
362	1e+13	NDD Unbiased	0.263	0.264	0.001
363	1e+13	NDD Unbiased	0.257	0.258	0.001
364	1e+13	NDD Unbiased	0.262	0.263	0.001

NDD vs Post - Pre Exposure Delta

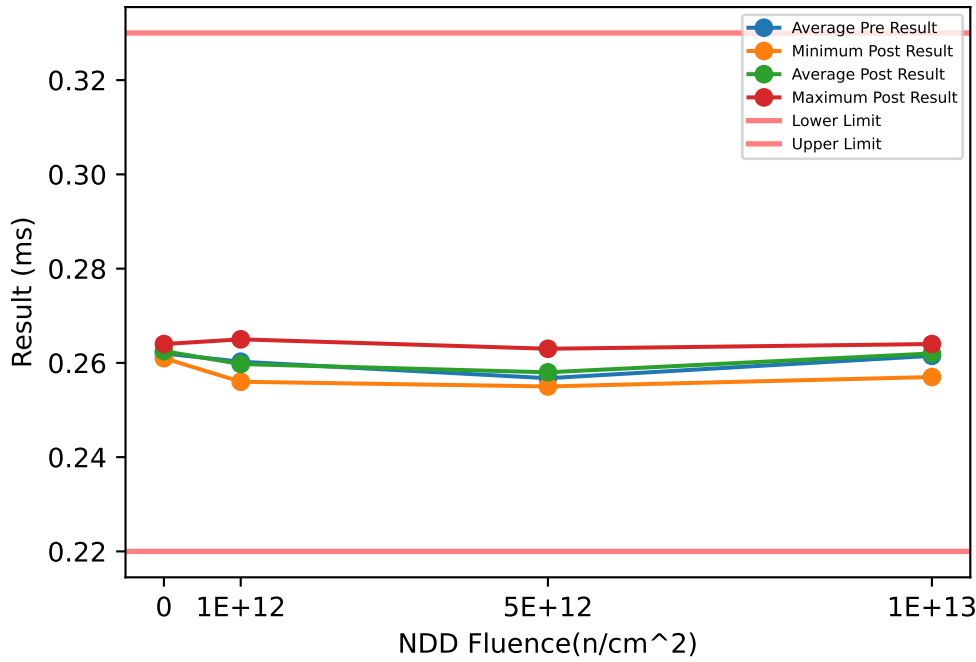


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.2625	0.263	0.00070711	0.262	0.263	0.264	0.0014142	0	0.0005	0.001	0.00070711
1e+12	0.256	0.26	0.265	0.0046904	0.256	0.25975	0.265	0.0045	-0.001	-0.00025	0	0.0005
5e+12	0.255	0.2575	0.261	0.0026458	0.255	0.25775	0.262	0.0029861	-0.001	0.00025	0.001	0.00095743
1e+13	0.257	0.2615	0.264	0.0031091	0.258	0.262	0.264	0.002708	-0.001	0.0005	0.001	0.001

Device Test: 5.75 ; DLY_TMR_10KOHM

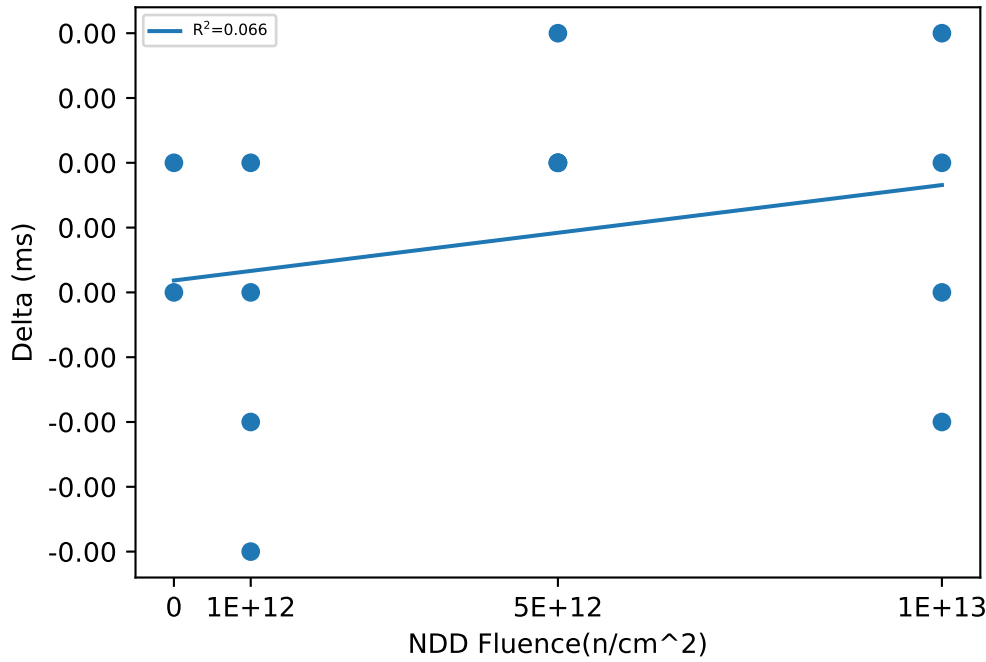
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.263	0.264	0.001
301	0	Correlation	0.261	0.261	0
353	1e+12	NDD Unbiased	0.257	0.257	0
354	1e+12	NDD Unbiased	0.257	0.256	-0.001
355	1e+12	NDD Unbiased	0.264	0.265	0.001
356	1e+12	NDD Unbiased	0.263	0.261	-0.002
357	5e+12	NDD Unbiased	0.254	0.255	0.001
358	5e+12	NDD Unbiased	0.256	0.257	0.001
359	5e+12	NDD Unbiased	0.262	0.263	0.001
360	5e+12	NDD Unbiased	0.255	0.257	0.002
361	1e+13	NDD Unbiased	0.262	0.264	0.002
362	1e+13	NDD Unbiased	0.263	0.264	0.001
363	1e+13	NDD Unbiased	0.257	0.257	0
364	1e+13	NDD Unbiased	0.264	0.263	-0.001

NDD vs Post - Pre Exposure Delta

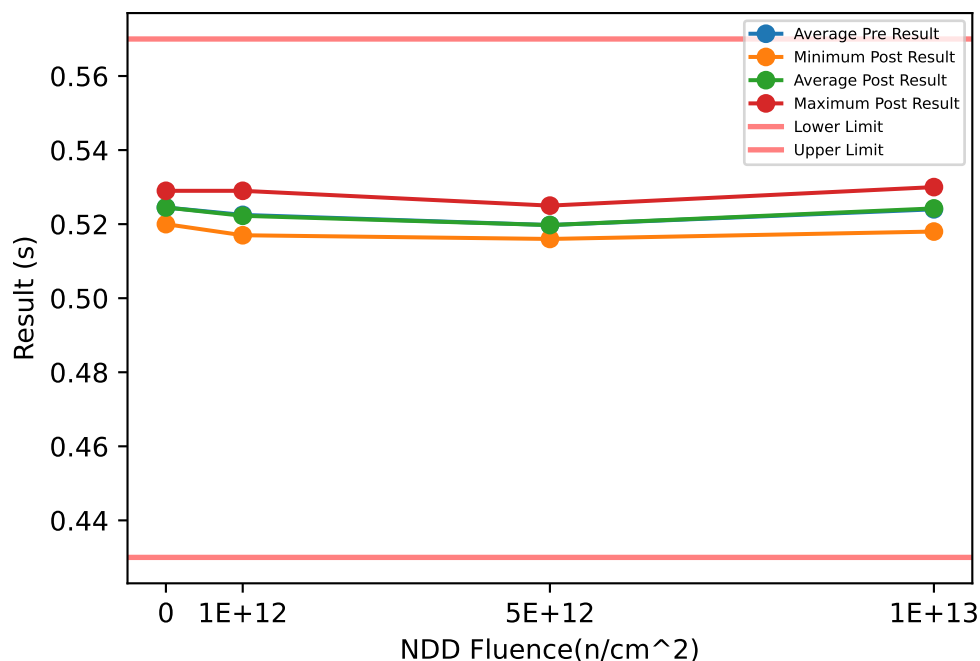


Test Statistics (ms)

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	0.261	0.262	0.263	0.0014142	0.261	0.2625	0.264	0.0021213	0	0.0005	0.001	0.00070711
1e+12	0.257	0.26025	0.264	0.0037749	0.256	0.25975	0.265	0.004113	-0.002	-0.0005	0.001	0.001291
5e+12	0.254	0.25675	0.262	0.003594	0.255	0.258	0.263	0.0034641	0.001	0.00125	0.002	0.0005
1e+13	0.257	0.2615	0.264	0.0031091	0.257	0.262	0.264	0.0033665	-0.001	0.0005	0.002	0.001291

Device Test: 5.76 ; WD_TMR_10KOHM

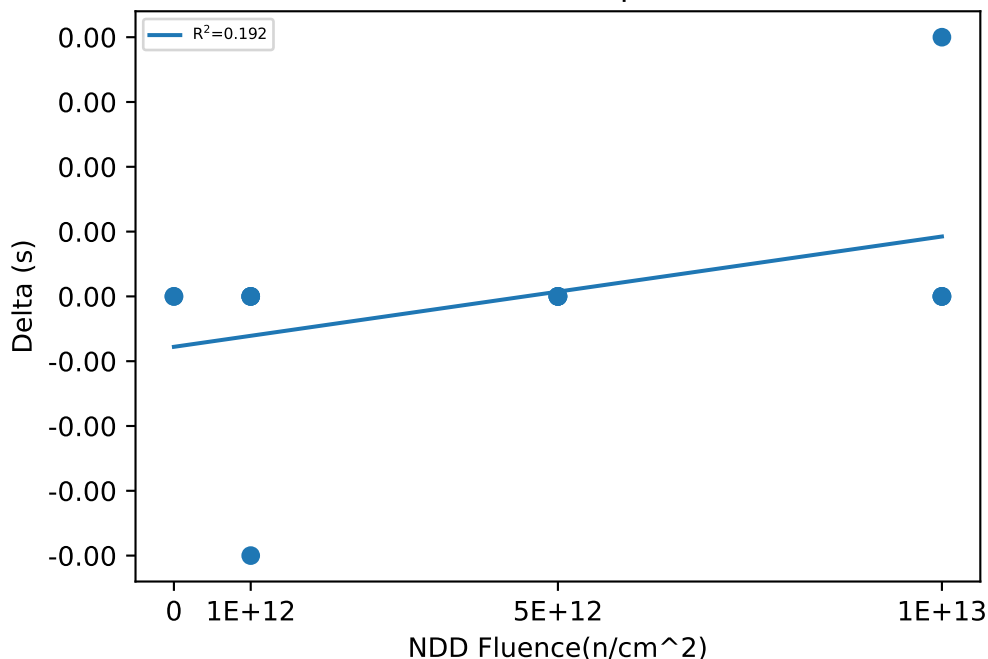
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.529	0.529	0
301	0	Correlation	0.52	0.52	0
353	1e+12	NDD Unbiased	0.517	0.517	0
354	1e+12	NDD Unbiased	0.522	0.521	-0.001
355	1e+12	NDD Unbiased	0.529	0.529	0
356	1e+12	NDD Unbiased	0.522	0.522	0
357	5e+12	NDD Unbiased	0.522	0.522	0
358	5e+12	NDD Unbiased	0.525	0.525	0
359	5e+12	NDD Unbiased	0.516	0.516	0
360	5e+12	NDD Unbiased	0.516	0.516	0
361	1e+13	NDD Unbiased	0.529	0.53	0.001
362	1e+13	NDD Unbiased	0.527	0.527	0
363	1e+13	NDD Unbiased	0.518	0.518	0
364	1e+13	NDD Unbiased	0.522	0.522	0

NDD vs Post - Pre Exposure Delta

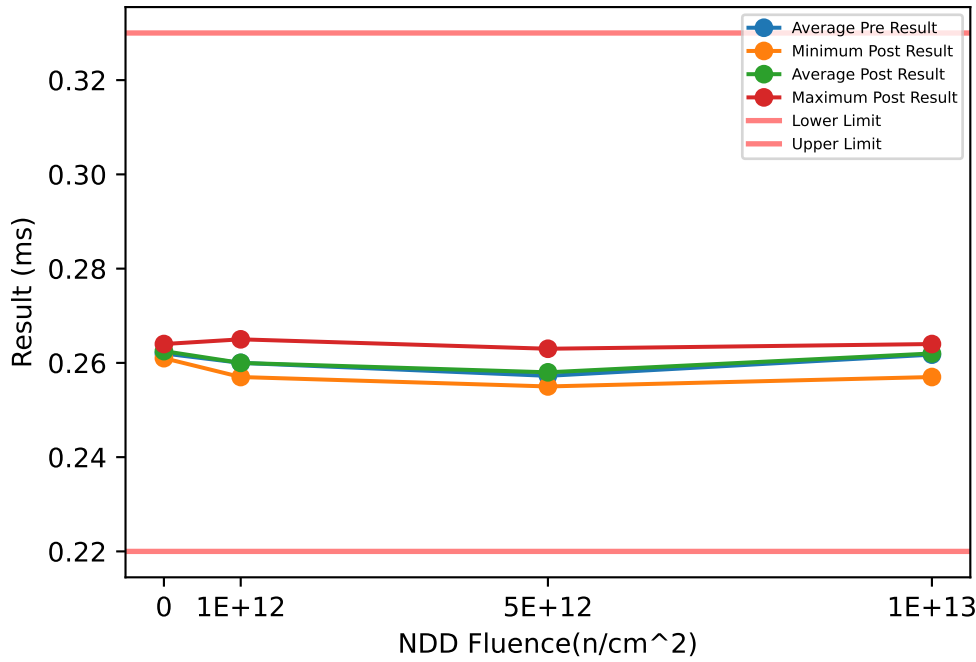


Test Statistics (s)

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	0.52	0.5245	0.529	0.006364	0.52	0.5245	0.529	0.006364	0	0	0	0
1e+12	0.517	0.5225	0.529	0.0049329	0.517	0.52225	0.529	0.0049917	-0.001	-0.00025	0	0.0005
5e+12	0.516	0.51975	0.525	0.0045	0.516	0.51975	0.525	0.0045	0	0	0	0
1e+13	0.518	0.524	0.529	0.0049666	0.518	0.52425	0.53	0.0053151	0	0.00025	0.001	0.0005

Device Test: 5.77 ; DLY_TMR_10KOHM

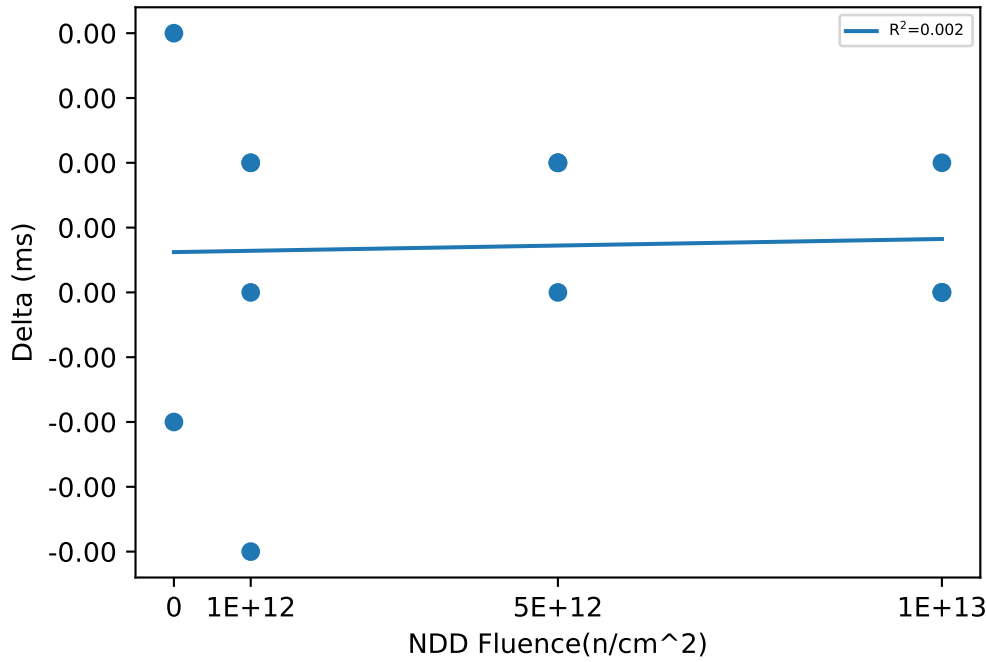
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.262	0.264	0.002
301	0	Correlation	0.262	0.261	-0.001
353	1e+12	NDD Unbiased	0.256	0.257	0.001
354	1e+12	NDD Unbiased	0.256	0.257	0.001
355	1e+12	NDD Unbiased	0.265	0.265	0
356	1e+12	NDD Unbiased	0.263	0.261	-0.002
357	5e+12	NDD Unbiased	0.254	0.255	0.001
358	5e+12	NDD Unbiased	0.256	0.257	0.001
359	5e+12	NDD Unbiased	0.262	0.263	0.001
360	5e+12	NDD Unbiased	0.257	0.257	0
361	1e+13	NDD Unbiased	0.263	0.263	0
362	1e+13	NDD Unbiased	0.264	0.264	0
363	1e+13	NDD Unbiased	0.257	0.257	0
364	1e+13	NDD Unbiased	0.263	0.264	0.001

NDD vs Post - Pre Exposure Delta

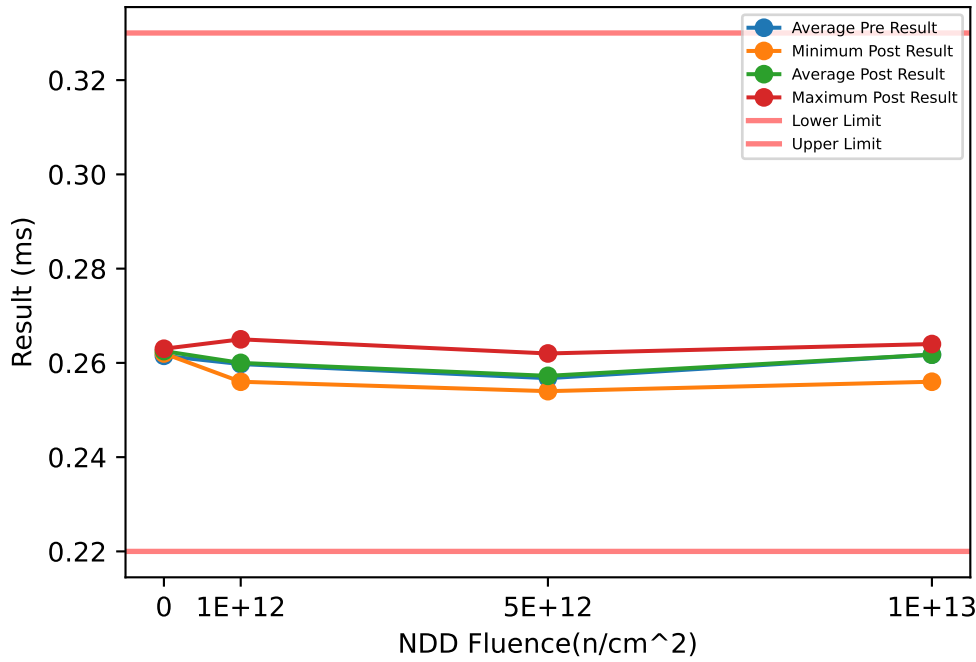


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.262	0.262	0	0.261	0.2625	0.264	0.0021213	-0.001	0.0005	0.002	0.0021213
1e+12	0.256	0.26	0.265	0.0046904	0.257	0.26	0.265	0.0038297	-0.002	0	0.001	0.0014142
5e+12	0.254	0.25725	0.262	0.0034034	0.255	0.258	0.263	0.0034641	0	0.00075	0.001	0.0005
1e+13	0.257	0.26175	0.264	0.0032016	0.257	0.262	0.264	0.0033665	0	0.00025	0.001	0.0005

Device Test: 5.78 ; DLY_TMR_10KOHM

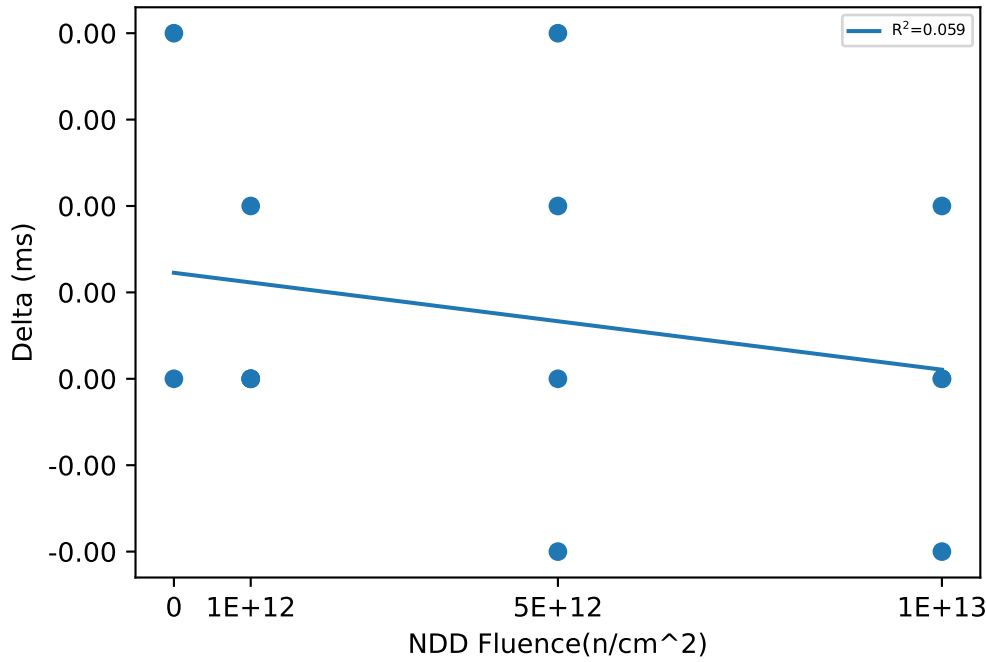
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.263	0.263	0
301	0	Correlation	0.26	0.262	0.002
353	1e+12	NDD Unbiased	0.256	0.256	0
354	1e+12	NDD Unbiased	0.257	0.257	0
355	1e+12	NDD Unbiased	0.265	0.265	0
356	1e+12	NDD Unbiased	0.261	0.262	0.001
357	5e+12	NDD Unbiased	0.254	0.254	0
358	5e+12	NDD Unbiased	0.257	0.256	-0.001
359	5e+12	NDD Unbiased	0.261	0.262	0.001
360	5e+12	NDD Unbiased	0.255	0.257	0.002
361	1e+13	NDD Unbiased	0.263	0.264	0.001
362	1e+13	NDD Unbiased	0.264	0.264	0
363	1e+13	NDD Unbiased	0.256	0.256	0
364	1e+13	NDD Unbiased	0.264	0.263	-0.001

NDD vs Post - Pre Exposure Delta

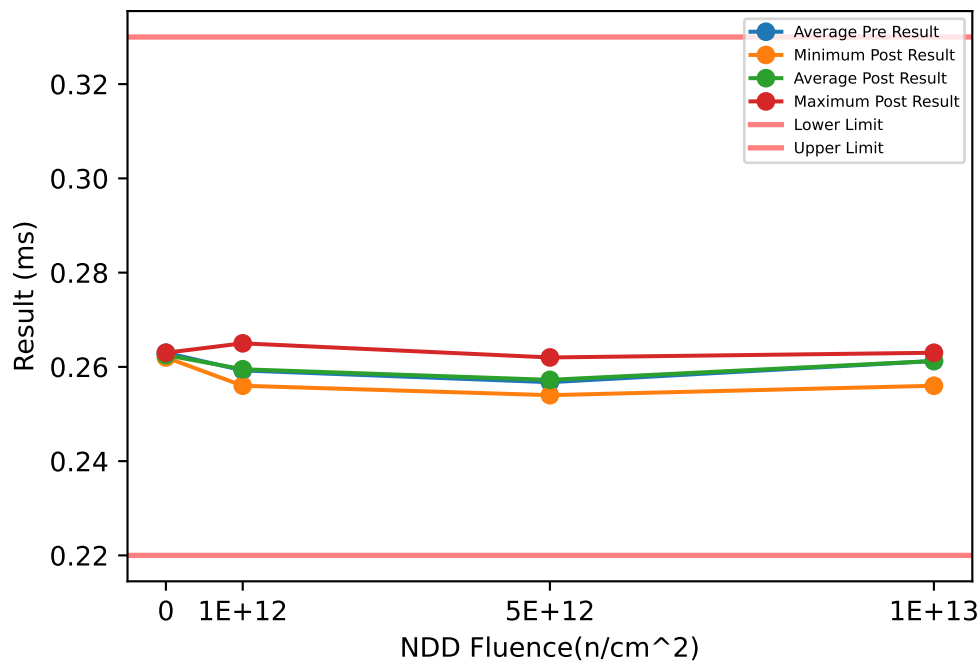


Test Statistics (ms)

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	0.26	0.2615	0.263	0.0021213	0.262	0.2625	0.263	0.00070711	0	0.001	0.002	0.0014142
1e+12	0.256	0.25975	0.265	0.004113	0.256	0.26	0.265	0.0042426	0	0.00025	0.001	0.0005
5e+12	0.254	0.25675	0.261	0.0030957	0.254	0.25725	0.262	0.0034034	-0.001	0.0005	0.002	0.001291
1e+13	0.256	0.26175	0.264	0.0038622	0.256	0.26175	0.264	0.0038622	-0.001	0	0.001	0.0008165

Device Test: 5.79 ; DLY_TMR_10KOHM

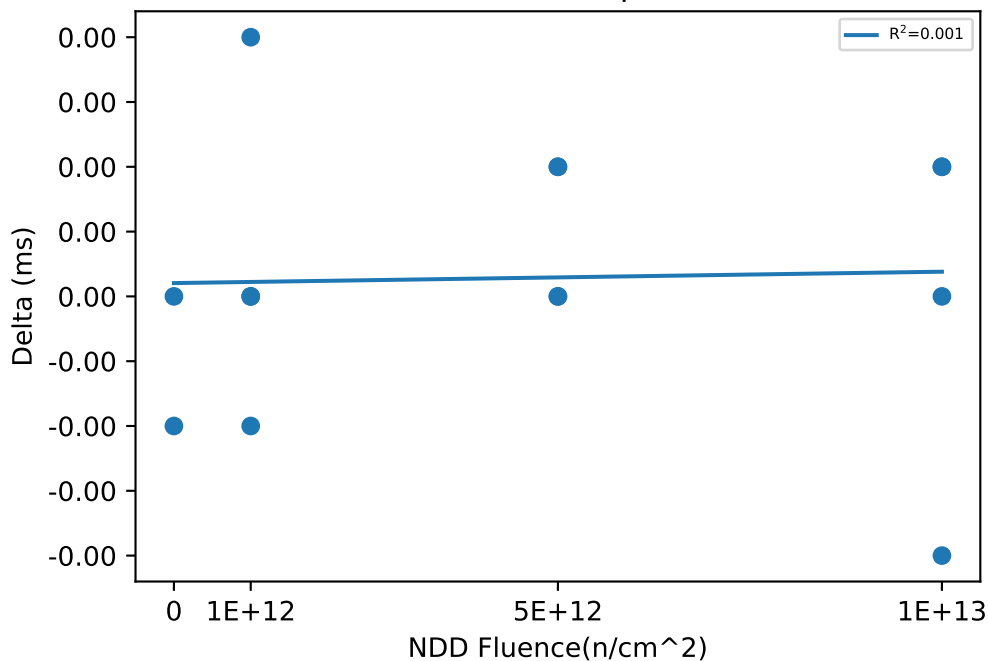
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.264	0.263	-0.001
301	0	Correlation	0.262	0.262	0
353	1e+12	NDD Unbiased	0.256	0.256	0
354	1e+12	NDD Unbiased	0.256	0.256	0
355	1e+12	NDD Unbiased	0.263	0.265	0.002
356	1e+12	NDD Unbiased	0.262	0.261	-0.001
357	5e+12	NDD Unbiased	0.254	0.254	0
358	5e+12	NDD Unbiased	0.257	0.257	0
359	5e+12	NDD Unbiased	0.261	0.262	0.001
360	5e+12	NDD Unbiased	0.255	0.256	0.001
361	1e+13	NDD Unbiased	0.262	0.263	0.001
362	1e+13	NDD Unbiased	0.265	0.263	-0.002
363	1e+13	NDD Unbiased	0.256	0.256	0
364	1e+13	NDD Unbiased	0.262	0.263	0.001

NDD vs Post - Pre Exposure Delta

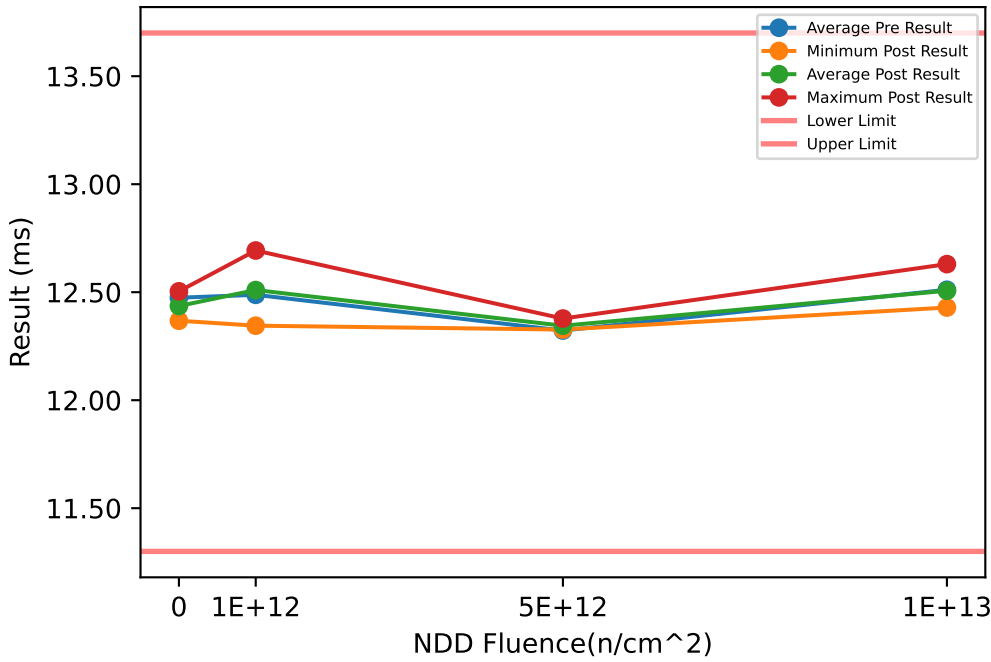


Test Statistics (ms)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.262	0.263	0.264	0.0014142	0.262	0.2625	0.263	0.00070711	-0.001	-0.0005	0	0.00070711
1e+12	0.256	0.25925	0.263	0.0037749	0.256	0.2595	0.265	0.0043589	-0.001	0.00025	0.002	0.0012583
5e+12	0.254	0.25675	0.261	0.0030957	0.254	0.25725	0.262	0.0034034	0	0.0005	0.001	0.00057735
1e+13	0.256	0.26125	0.265	0.0037749	0.256	0.26125	0.263	0.0035	-0.002	0	0.001	0.0014142

Device Test: 5.80 ; DLY_TMR_500KOHM

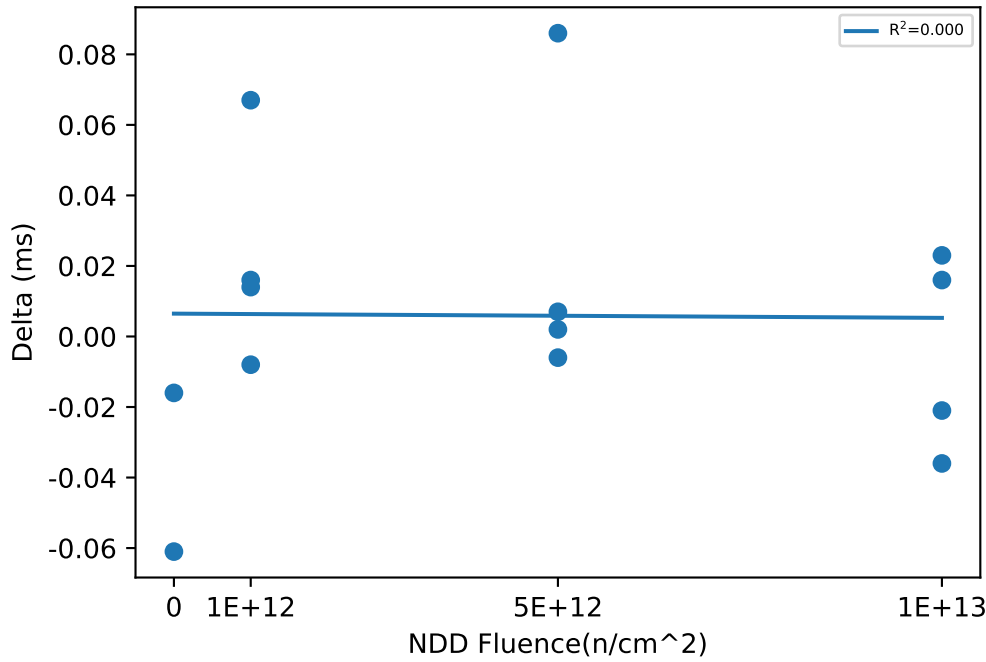
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.52	12.504	-0.016
301	0	Correlation	12.429	12.368	-0.061
353	1e+12	NDD Unbiased	12.328	12.395	0.067
354	1e+12	NDD Unbiased	12.353	12.345	-0.008
355	1e+12	NDD Unbiased	12.677	12.693	0.016
356	1e+12	NDD Unbiased	12.593	12.607	0.014
357	5e+12	NDD Unbiased	12.346	12.34	-0.006
358	5e+12	NDD Unbiased	12.292	12.378	0.086
359	5e+12	NDD Unbiased	12.332	12.334	0.002
360	5e+12	NDD Unbiased	12.32	12.327	0.007
361	1e+13	NDD Unbiased	12.52	12.536	0.016
362	1e+13	NDD Unbiased	12.651	12.63	-0.021
363	1e+13	NDD Unbiased	12.468	12.432	-0.036
364	1e+13	NDD Unbiased	12.406	12.429	0.023

NDD vs Post - Pre Exposure Delta

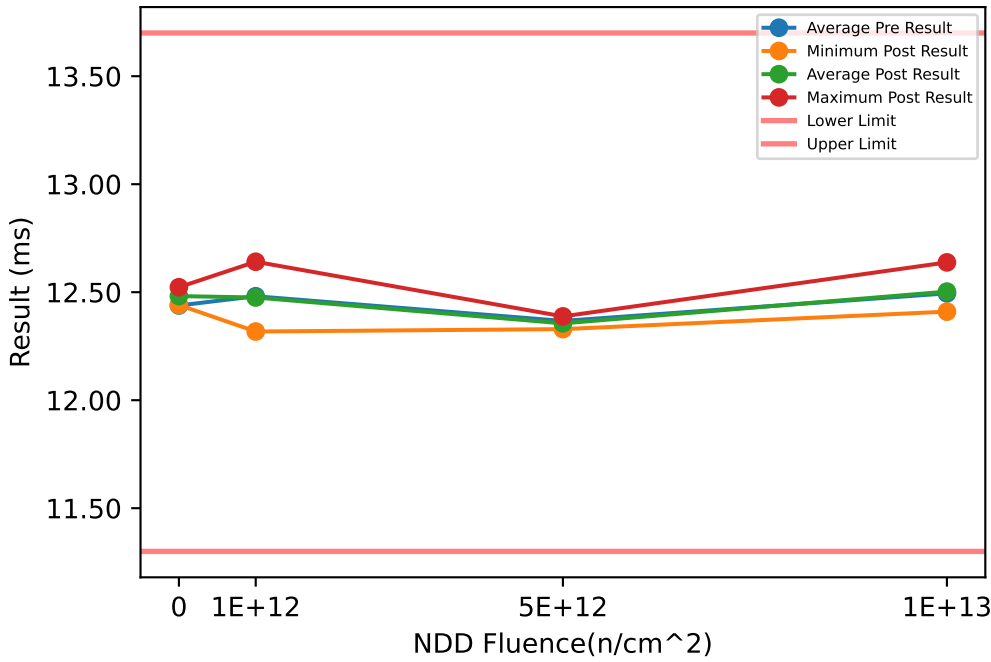


Test Statistics (ms)

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	12.429	12.474	12.52	0.064347	12.368	12.436	12.504	0.096167	-0.061	-0.0385	-0.016	0.03182
1e+12	12.328	12.488	12.677	0.17375	12.345	12.51	12.693	0.16668	-0.008	0.02225	0.067	0.031753
5e+12	12.292	12.322	12.346	0.022942	12.327	12.345	12.378	0.022794	-0.006	0.02225	0.086	0.042836
1e+13	12.406	12.511	12.651	0.10417	12.429	12.507	12.63	0.096053	-0.036	-0.0045	0.023	0.028525

Device Test: 5.81 ; DLY_TMR_500KOHM

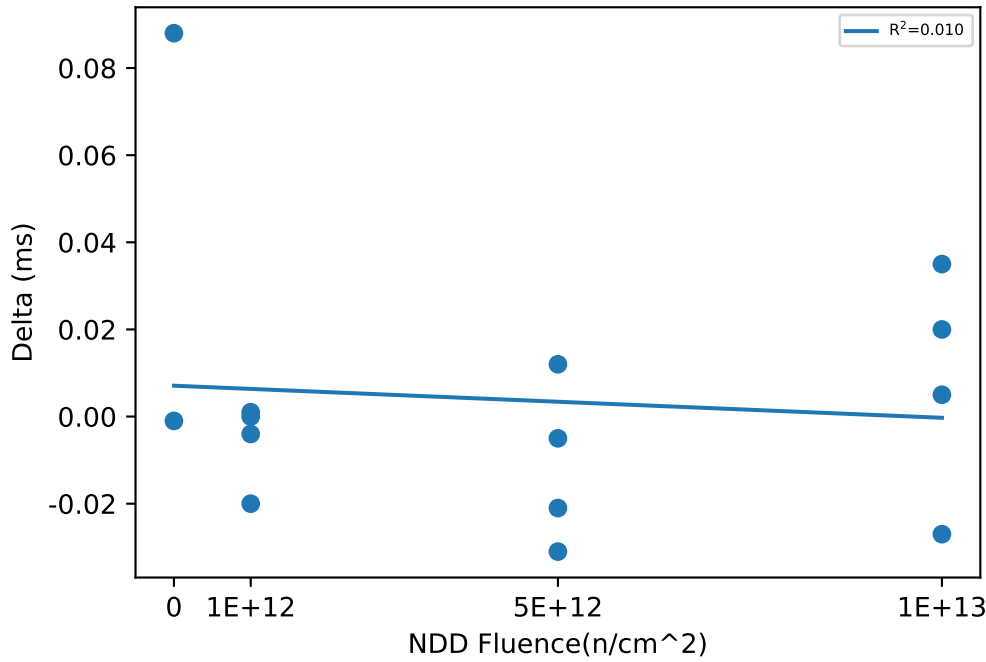
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.524	12.523	-0.001
301	0	Correlation	12.353	12.441	0.088
353	1e+12	NDD Unbiased	12.381	12.381	0
354	1e+12	NDD Unbiased	12.338	12.318	-0.02
355	1e+12	NDD Unbiased	12.645	12.641	-0.004
356	1e+12	NDD Unbiased	12.561	12.562	0.001
357	5e+12	NDD Unbiased	12.36	12.329	-0.031
358	5e+12	NDD Unbiased	12.357	12.369	0.012
359	5e+12	NDD Unbiased	12.358	12.337	-0.021
360	5e+12	NDD Unbiased	12.393	12.388	-0.005
361	1e+13	NDD Unbiased	12.506	12.541	0.035
362	1e+13	NDD Unbiased	12.633	12.638	0.005
363	1e+13	NDD Unbiased	12.449	12.422	-0.027
364	1e+13	NDD Unbiased	12.39	12.41	0.02

NDD vs Post - Pre Exposure Delta

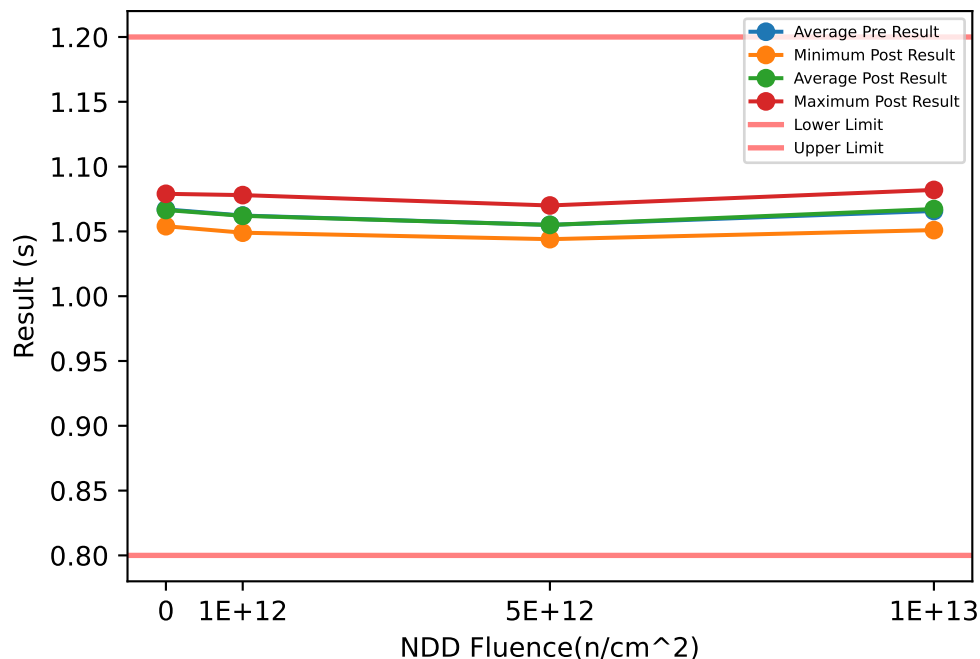


Test Statistics (ms)

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	12.438	12.524	0.12092	12.441	12.482	12.523	0.057983	-0.001	0.0435	0.088	0.062933
1e+12	12.338	12.481	12.645	0.14577	12.318	12.476	12.641	0.15123	-0.02	-0.00575	0.001	0.0097425
5e+12	12.357	12.367	12.393	0.017378	12.329	12.356	12.388	0.027585	-0.031	-0.01125	0.012	0.018839
1e+13	12.39	12.495	12.633	0.10377	12.41	12.503	12.638	0.10783	-0.027	0.00825	0.035	0.0265

Device Test: 5.82 ; WD_TMR_500KOHM

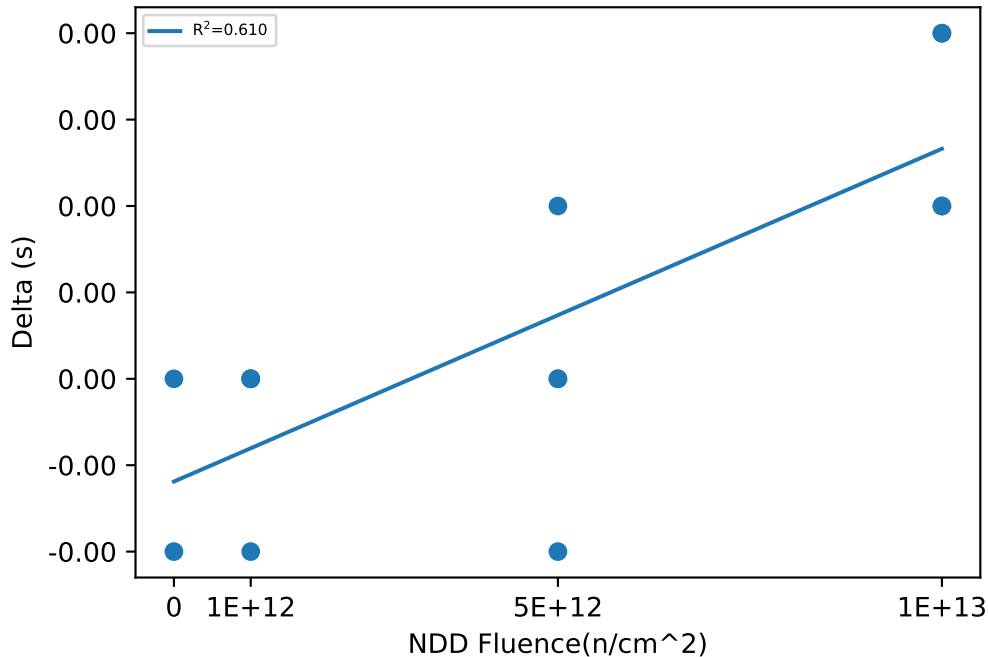
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.08	1.079	-0.001
301	0	Correlation	1.054	1.054	0
353	1e+12	NDD Unbiased	1.049	1.049	0
354	1e+12	NDD Unbiased	1.06	1.06	0
355	1e+12	NDD Unbiased	1.079	1.078	-0.001
356	1e+12	NDD Unbiased	1.061	1.061	0
357	5e+12	NDD Unbiased	1.059	1.059	0
358	5e+12	NDD Unbiased	1.071	1.07	-0.001
359	5e+12	NDD Unbiased	1.046	1.047	0.001
360	5e+12	NDD Unbiased	1.044	1.044	0
361	1e+13	NDD Unbiased	1.08	1.082	0.002
362	1e+13	NDD Unbiased	1.073	1.074	0.001
363	1e+13	NDD Unbiased	1.05	1.051	0.001
364	1e+13	NDD Unbiased	1.06	1.062	0.002

NDD vs Post - Pre Exposure Delta

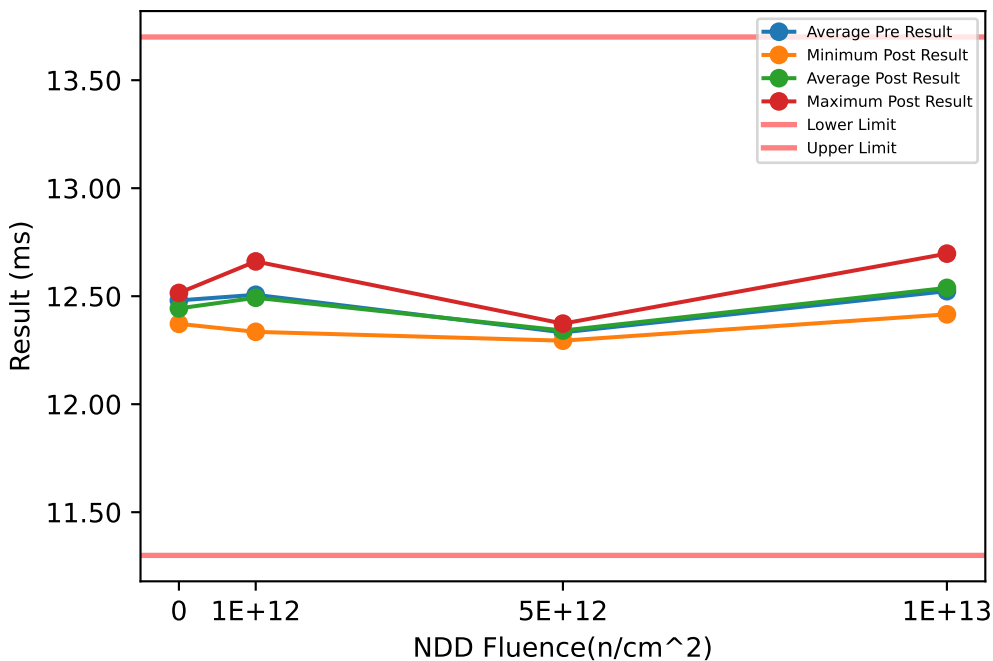


Test Statistics (s)

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	1.054	1.067	1.08	0.018385	1.054	1.0665	1.079	0.017678	-0.001	-0.0005	0	0.00070711
1e+12	1.049	1.0622	1.079	0.01242	1.049	1.062	1.078	0.011972	-0.001	-0.00025	0	0.0005
5e+12	1.044	1.055	1.071	0.01257	1.044	1.055	1.07	0.011916	-0.001	0	0.001	0.0008165
1e+13	1.05	1.0657	1.08	0.013376	1.051	1.0673	1.082	0.013598	0.001	0.0015	0.002	0.00057735

Device Test: 5.83 ; DLY_TMR_500KOHM

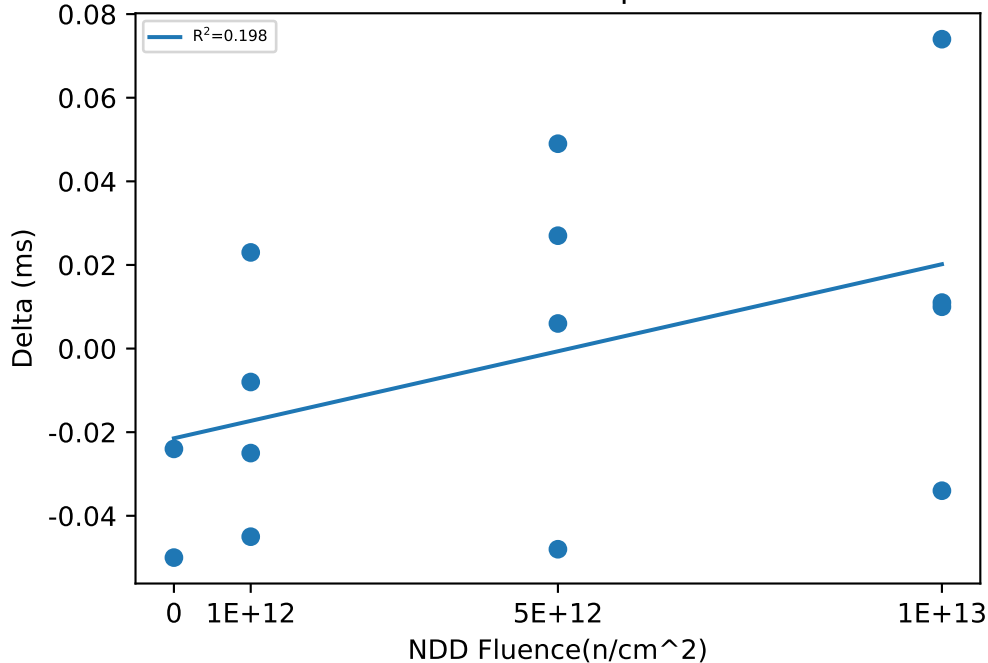
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.539	12.515	-0.024
301	0	Correlation	12.422	12.372	-0.05
353	1e+12	NDD Unbiased	12.348	12.371	0.023
354	1e+12	NDD Unbiased	12.343	12.335	-0.008
355	1e+12	NDD Unbiased	12.706	12.661	-0.045
356	1e+12	NDD Unbiased	12.629	12.604	-0.025
357	5e+12	NDD Unbiased	12.342	12.294	-0.048
358	5e+12	NDD Unbiased	12.346	12.373	0.027
359	5e+12	NDD Unbiased	12.29	12.339	0.049
360	5e+12	NDD Unbiased	12.352	12.358	0.006
361	1e+13	NDD Unbiased	12.578	12.588	0.01
362	1e+13	NDD Unbiased	12.623	12.697	0.074
363	1e+13	NDD Unbiased	12.442	12.453	0.011
364	1e+13	NDD Unbiased	12.45	12.416	-0.034

NDD vs Post - Pre Exposure Delta

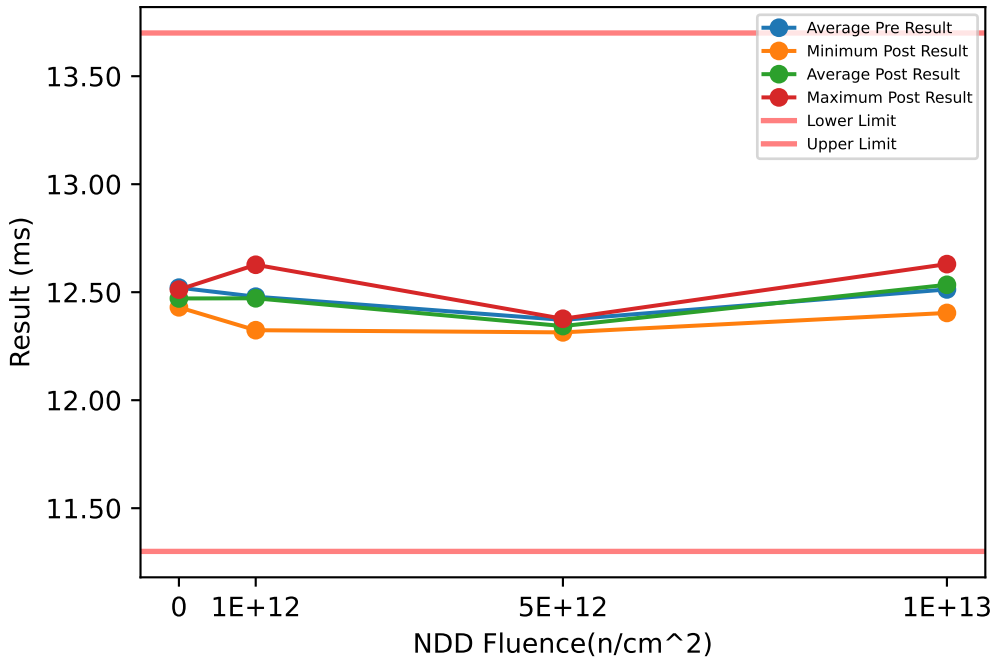


Test Statistics (ms)

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	12.422	12.48	12.539	0.082731	12.372	12.444	12.515	0.10112	-0.05	-0.037	-0.024	0.018385
1e+12	12.343	12.506	12.706	0.18856	12.335	12.493	12.661	0.1637	-0.045	-0.01375	0.023	0.028791
5e+12	12.29	12.332	12.352	0.02863	12.294	12.341	12.373	0.034283	-0.048	0.0085	0.049	0.041557
1e+13	12.442	12.523	12.623	0.091131	12.416	12.538	12.697	0.12896	-0.034	0.01525	0.074	0.044433

Device Test: 5.84 ; DLY_TMR_500KOHM

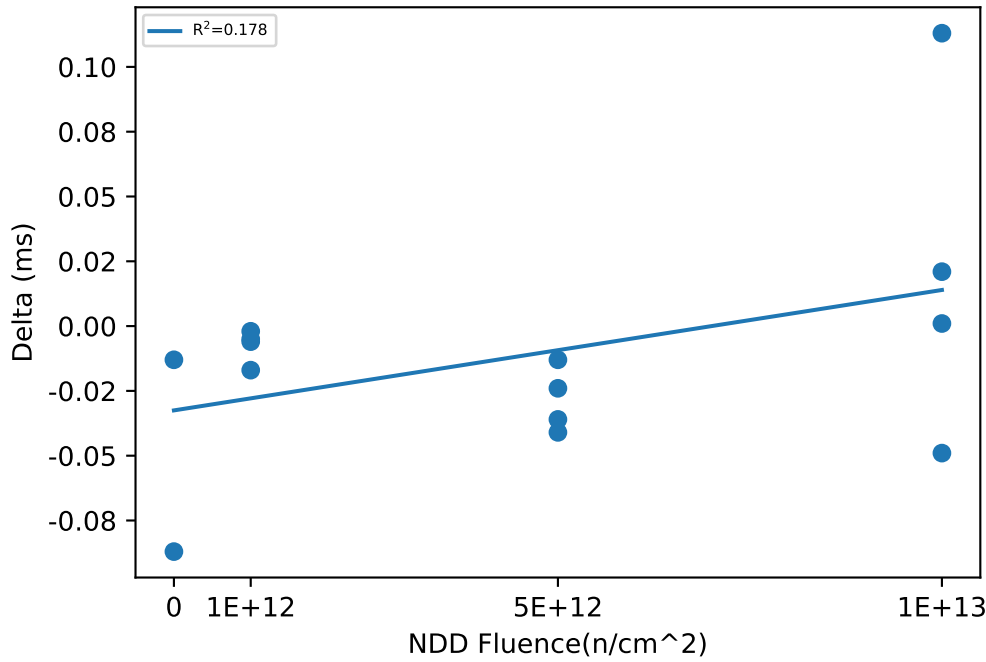
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.599	12.512	-0.087
301	0	Correlation	12.443	12.43	-0.013
353	1e+12	NDD Unbiased	12.376	12.374	-0.002
354	1e+12	NDD Unbiased	12.329	12.324	-0.005
355	1e+12	NDD Unbiased	12.644	12.627	-0.017
356	1e+12	NDD Unbiased	12.568	12.562	-0.006
357	5e+12	NDD Unbiased	12.355	12.314	-0.041
358	5e+12	NDD Unbiased	12.364	12.351	-0.013
359	5e+12	NDD Unbiased	12.355	12.331	-0.024
360	5e+12	NDD Unbiased	12.413	12.377	-0.036
361	1e+13	NDD Unbiased	12.5	12.613	0.113
362	1e+13	NDD Unbiased	12.629	12.63	0.001
363	1e+13	NDD Unbiased	12.469	12.49	0.021
364	1e+13	NDD Unbiased	12.453	12.404	-0.049

NDD vs Post - Pre Exposure Delta

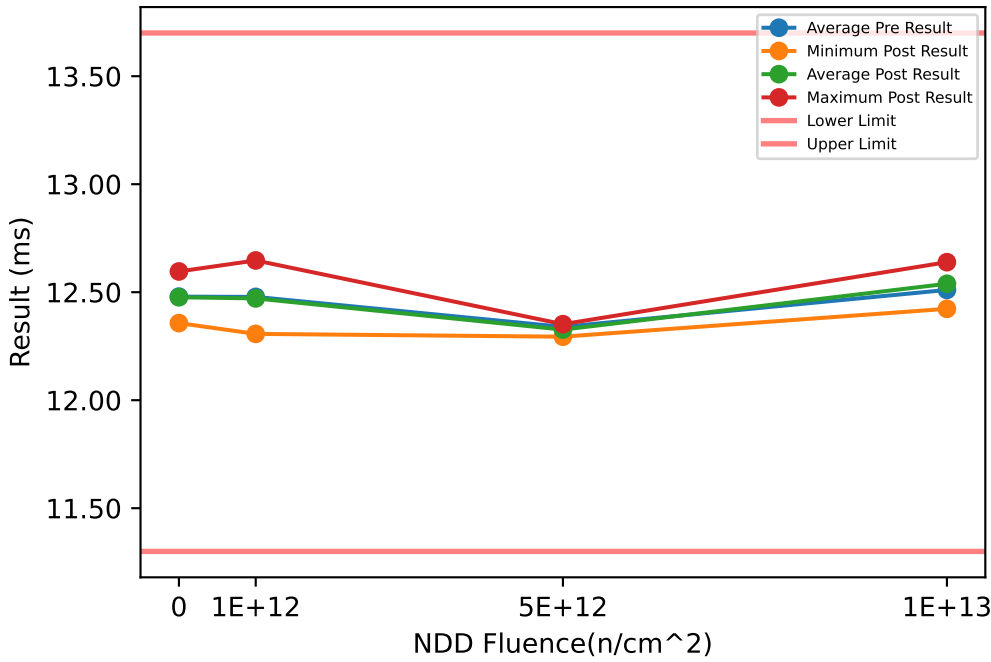


Test Statistics (ms)

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	12.443	12.521	12.599	0.11031	12.43	12.471	12.512	0.057983	-0.087	-0.05	-0.013	0.052326
1e+12	12.329	12.479	12.644	0.15084	12.324	12.472	12.627	0.14564	-0.017	-0.0075	-0.002	0.0065574
5e+12	12.355	12.372	12.413	0.027825	12.314	12.343	12.377	0.027109	-0.041	-0.0285	-0.013	0.012557
1e+13	12.453	12.513	12.629	0.079918	12.404	12.534	12.63	0.10692	-0.049	0.0215	0.113	0.067732

Device Test: 5.85 ; DLY_TMR_500KOHM

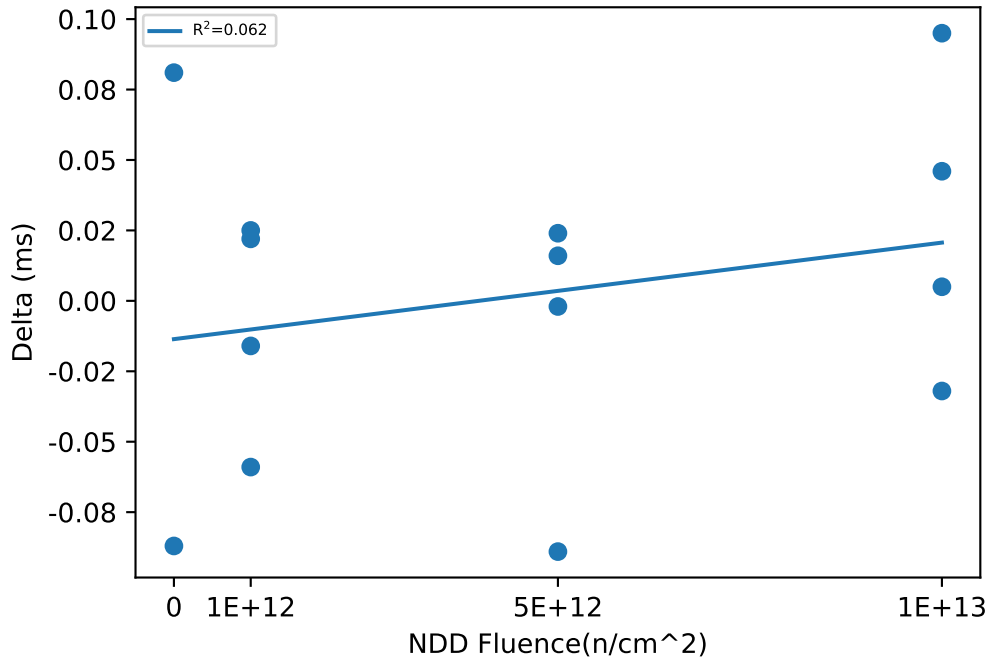
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.515	12.596	0.081
301	0	Correlation	12.444	12.357	-0.087
353	1e+12	NDD Unbiased	12.366	12.307	-0.059
354	1e+12	NDD Unbiased	12.367	12.351	-0.016
355	1e+12	NDD Unbiased	12.622	12.647	0.025
356	1e+12	NDD Unbiased	12.558	12.58	0.022
357	5e+12	NDD Unbiased	12.328	12.352	0.024
358	5e+12	NDD Unbiased	12.296	12.294	-0.002
359	5e+12	NDD Unbiased	12.327	12.343	0.016
360	5e+12	NDD Unbiased	12.407	12.318	-0.089
361	1e+13	NDD Unbiased	12.561	12.607	0.046
362	1e+13	NDD Unbiased	12.634	12.639	0.005
363	1e+13	NDD Unbiased	12.455	12.423	-0.032
364	1e+13	NDD Unbiased	12.392	12.487	0.095

NDD vs Post - Pre Exposure Delta

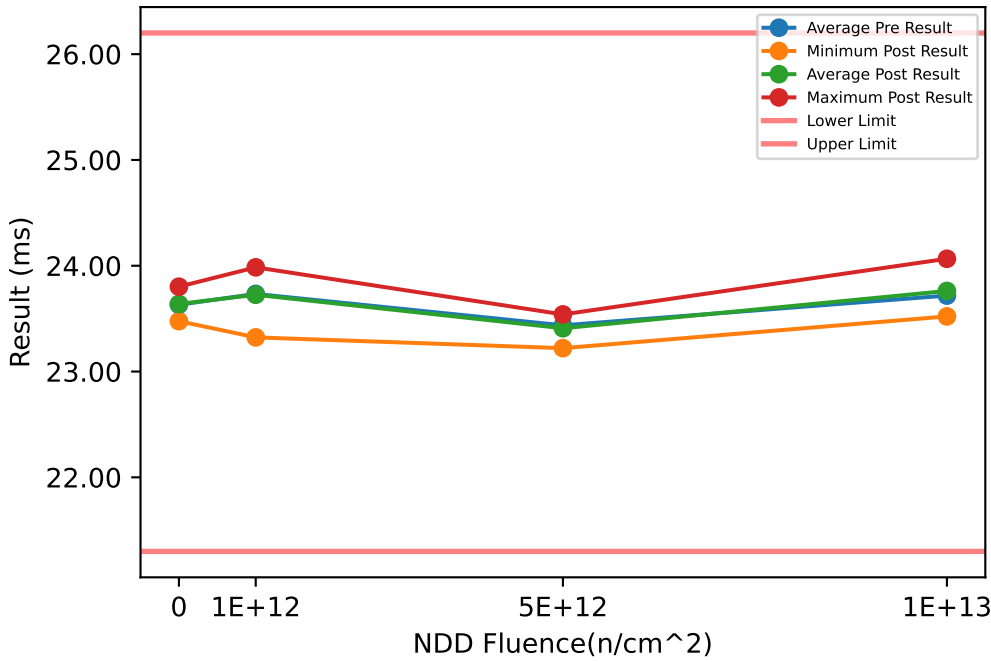


Test Statistics (ms)

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	12.444	12.48	12.515	0.050205	12.357	12.476	12.596	0.169	-0.087	-0.003	0.081	0.11879
1e+12	12.366	12.478	12.622	0.13166	12.307	12.471	12.647	0.16748	-0.059	-0.007	0.025	0.03937
5e+12	12.296	12.339	12.407	0.047388	12.294	12.327	12.352	0.026145	-0.089	-0.01275	0.024	0.051983
1e+13	12.392	12.511	12.634	0.1079	12.423	12.539	12.639	0.1013	-0.032	0.0285	0.095	0.054592

Device Test: 5.86 ; DLY_TMR_1MOHM

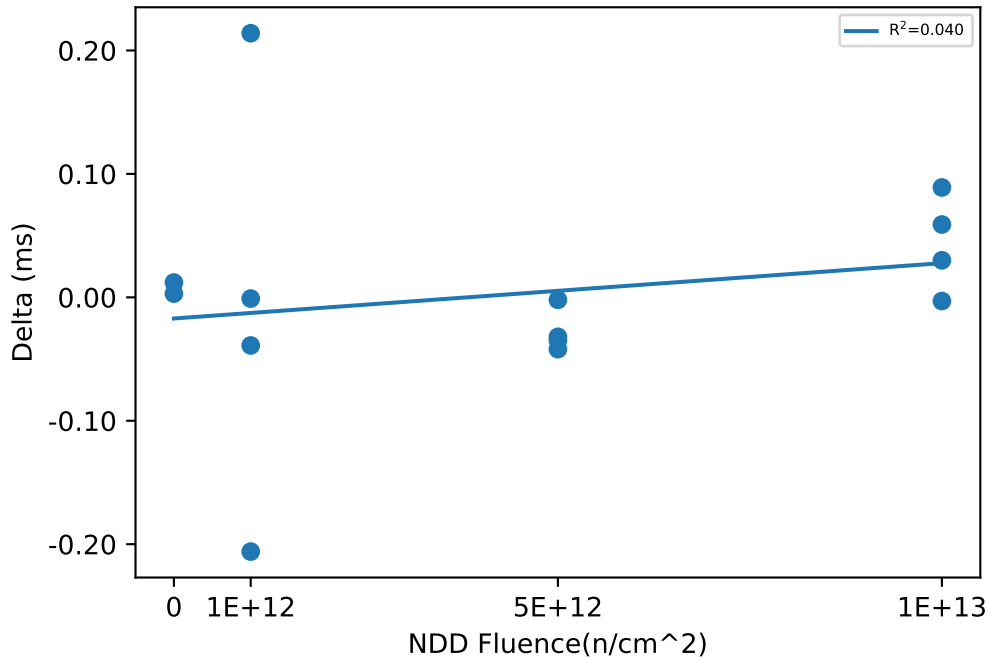
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.79	23.802	0.012
301	0	Correlation	23.473	23.476	0.003
353	1e+12	NDD Unbiased	23.445	23.659	0.214
354	1e+12	NDD Unbiased	23.529	23.323	-0.206
355	1e+12	NDD Unbiased	24.024	23.985	-0.039
356	1e+12	NDD Unbiased	23.937	23.936	-0.001
357	5e+12	NDD Unbiased	23.454	23.422	-0.032
358	5e+12	NDD Unbiased	23.456	23.454	-0.002
359	5e+12	NDD Unbiased	23.263	23.221	-0.042
360	5e+12	NDD Unbiased	23.575	23.54	-0.035
361	1e+13	NDD Unbiased	23.736	23.766	0.03
362	1e+13	NDD Unbiased	24.069	24.066	-0.003
363	1e+13	NDD Unbiased	23.605	23.694	0.089
364	1e+13	NDD Unbiased	23.462	23.521	0.059

NDD vs Post - Pre Exposure Delta

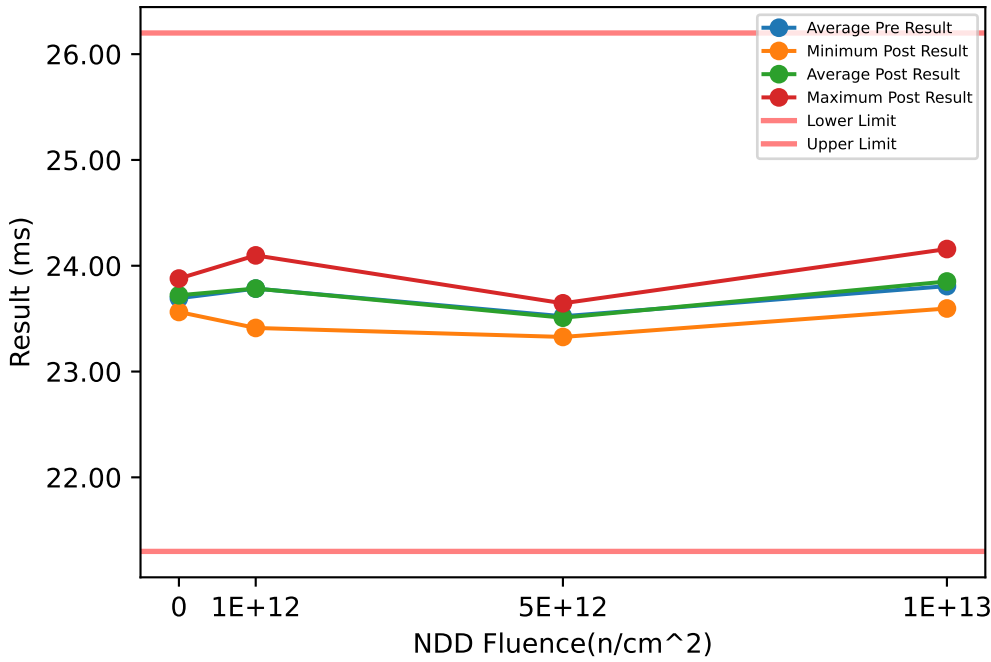


Test Statistics (ms)

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	23.473	23.631	23.79	0.22415	23.476	23.639	23.802	0.23052	0.003	0.0075	0.012	0.006364
1e+12	23.445	23.734	24.024	0.28917	23.323	23.726	23.985	0.30446	-0.206	-0.008	0.214	0.17272
5e+12	23.263	23.437	23.575	0.12906	23.221	23.409	23.54	0.13503	-0.042	-0.02775	-0.002	0.017671
1e+13	23.462	23.718	24.069	0.25938	23.521	23.762	24.066	0.2274	-0.003	0.04375	0.089	0.03939

Device Test: 5.87 ; DLY_TMR_1MOHM

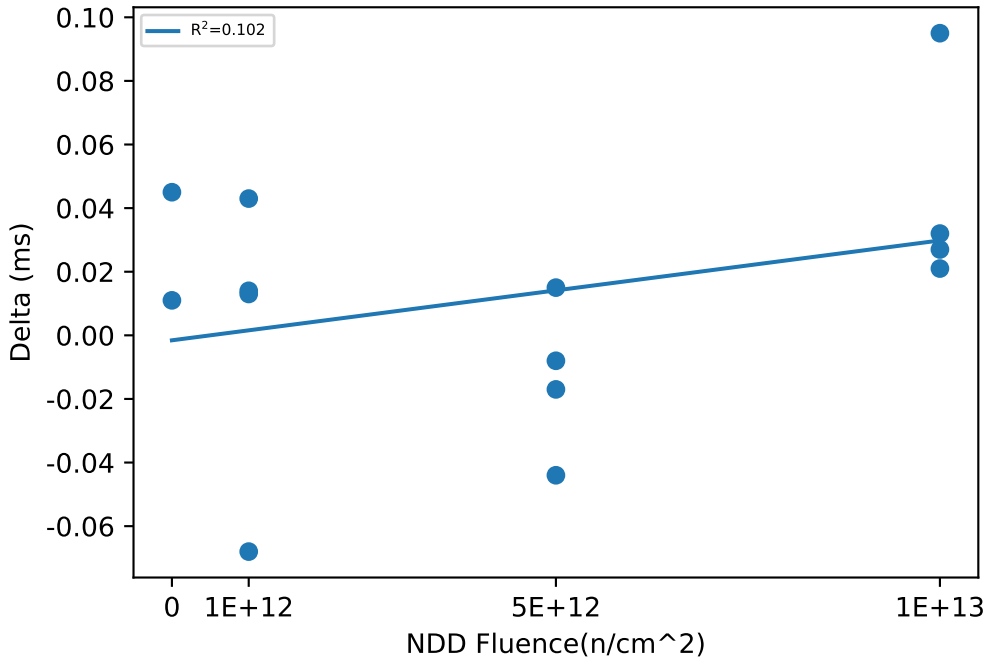
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.868	23.879	0.011
301	0	Correlation	23.518	23.563	0.045
353	1e+12	NDD Unbiased	23.569	23.582	0.013
354	1e+12	NDD Unbiased	23.48	23.412	-0.068
355	1e+12	NDD Unbiased	24.084	24.098	0.014
356	1e+12	NDD Unbiased	24.003	24.046	0.043
357	5e+12	NDD Unbiased	23.512	23.527	0.015
358	5e+12	NDD Unbiased	23.545	23.537	-0.008
359	5e+12	NDD Unbiased	23.371	23.327	-0.044
360	5e+12	NDD Unbiased	23.662	23.645	-0.017
361	1e+13	NDD Unbiased	23.817	23.844	0.027
362	1e+13	NDD Unbiased	24.126	24.158	0.032
363	1e+13	NDD Unbiased	23.712	23.807	0.095
364	1e+13	NDD Unbiased	23.575	23.596	0.021

NDD vs Post - Pre Exposure Delta

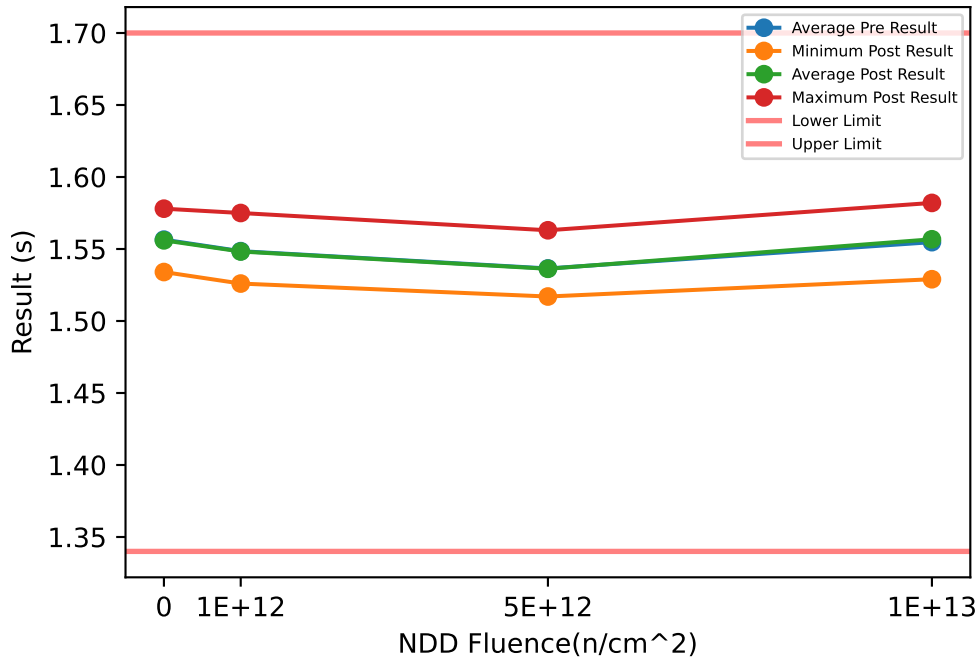


Test Statistics (ms)

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	23.518	23.693	23.868	0.24749	23.563	23.721	23.879	0.22345	0.011	0.028	0.045	0.024042
1e+12	23.48	23.784	24.084	0.30365	23.412	23.785	24.098	0.33982	-0.068	0.0005	0.043	0.047739
5e+12	23.371	23.523	23.662	0.11976	23.327	23.509	23.645	0.13257	-0.044	-0.0135	0.015	0.024393
1e+13	23.575	23.808	24.126	0.23431	23.596	23.851	24.158	0.23185	0.021	0.04375	0.095	0.034461

Device Test: 5.88 ; WD_TMR_1MOHM

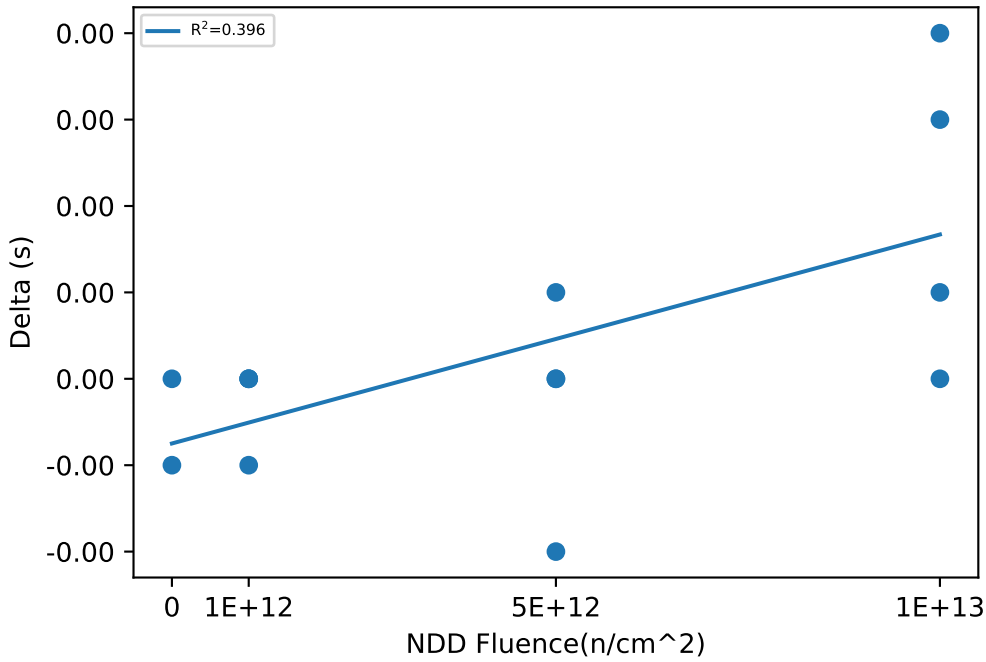
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.578	1.578	0
301	0	Correlation	1.535	1.534	-0.001
353	1e+12	NDD Unbiased	1.526	1.526	0
354	1e+12	NDD Unbiased	1.545	1.545	0
355	1e+12	NDD Unbiased	1.576	1.575	-0.001
356	1e+12	NDD Unbiased	1.547	1.547	0
357	5e+12	NDD Unbiased	1.542	1.542	0
358	5e+12	NDD Unbiased	1.565	1.563	-0.002
359	5e+12	NDD Unbiased	1.522	1.523	0.001
360	5e+12	NDD Unbiased	1.517	1.517	0
361	1e+13	NDD Unbiased	1.579	1.582	0.003
362	1e+13	NDD Unbiased	1.566	1.567	0.001
363	1e+13	NDD Unbiased	1.529	1.529	0
364	1e+13	NDD Unbiased	1.545	1.549	0.004

NDD vs Post - Pre Exposure Delta

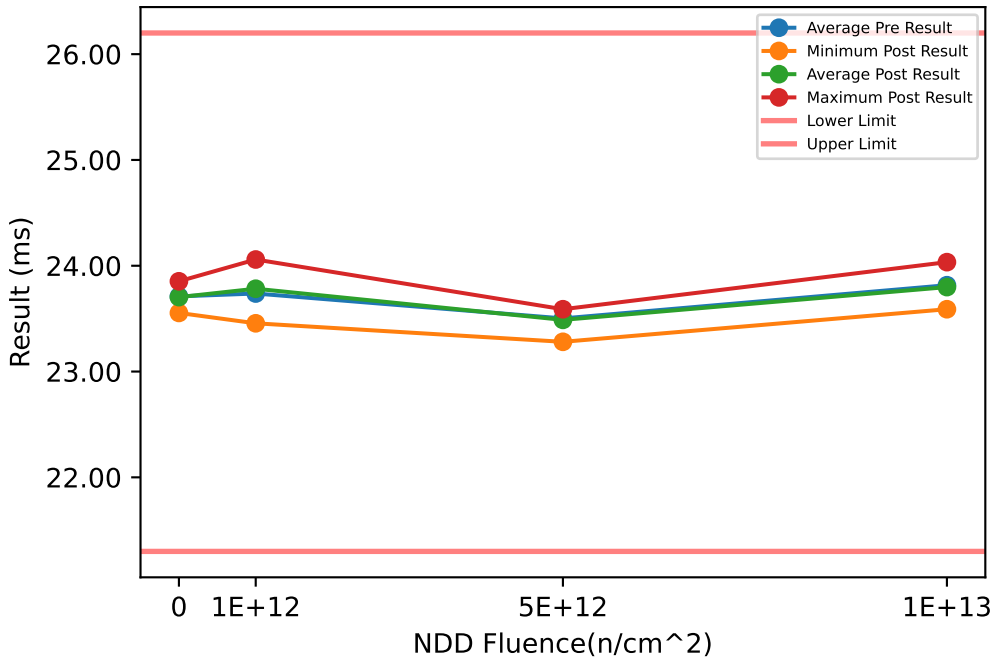


Test Statistics (s)

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	1.535	1.5565	1.578	0.030406	1.534	1.556	1.578	0.031113	-0.001	-0.0005	0	0.00070711
1e+12	1.526	1.5485	1.576	0.020632	1.526	1.5482	1.575	0.020189	-0.001	-0.00025	0	0.0005
5e+12	1.517	1.5365	1.565	0.021856	1.517	1.5362	1.563	0.020775	-0.002	-0.00025	0.001	0.0012583
1e+13	1.529	1.5547	1.579	0.022157	1.529	1.5568	1.582	0.022897	0	0.002	0.004	0.0018257

Device Test: 5.89 ; DLY_TMR_1MOHM

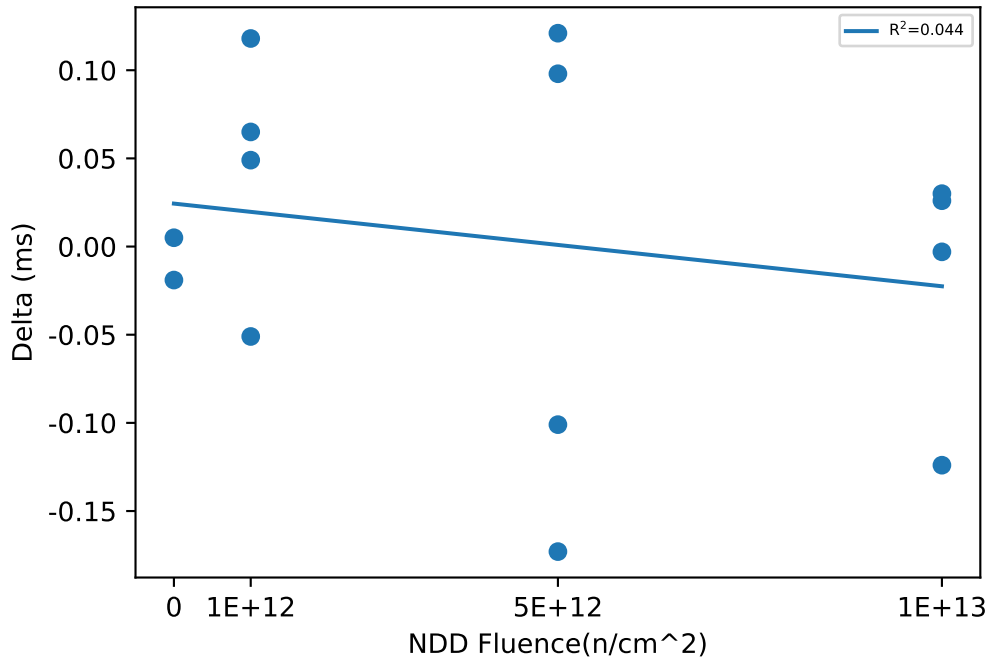
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.848	23.853	0.005
301	0	Correlation	23.573	23.554	-0.019
353	1e+12	NDD Unbiased	23.589	23.654	0.065
354	1e+12	NDD Unbiased	23.407	23.456	0.049
355	1e+12	NDD Unbiased	23.941	24.059	0.118
356	1e+12	NDD Unbiased	24.013	23.962	-0.051
357	5e+12	NDD Unbiased	23.468	23.566	0.098
358	5e+12	NDD Unbiased	23.468	23.589	0.121
359	5e+12	NDD Unbiased	23.382	23.281	-0.101
360	5e+12	NDD Unbiased	23.691	23.518	-0.173
361	1e+13	NDD Unbiased	23.878	23.875	-0.003
362	1e+13	NDD Unbiased	24.158	24.034	-0.124
363	1e+13	NDD Unbiased	23.669	23.695	0.026
364	1e+13	NDD Unbiased	23.559	23.589	0.03

NDD vs Post - Pre Exposure Delta

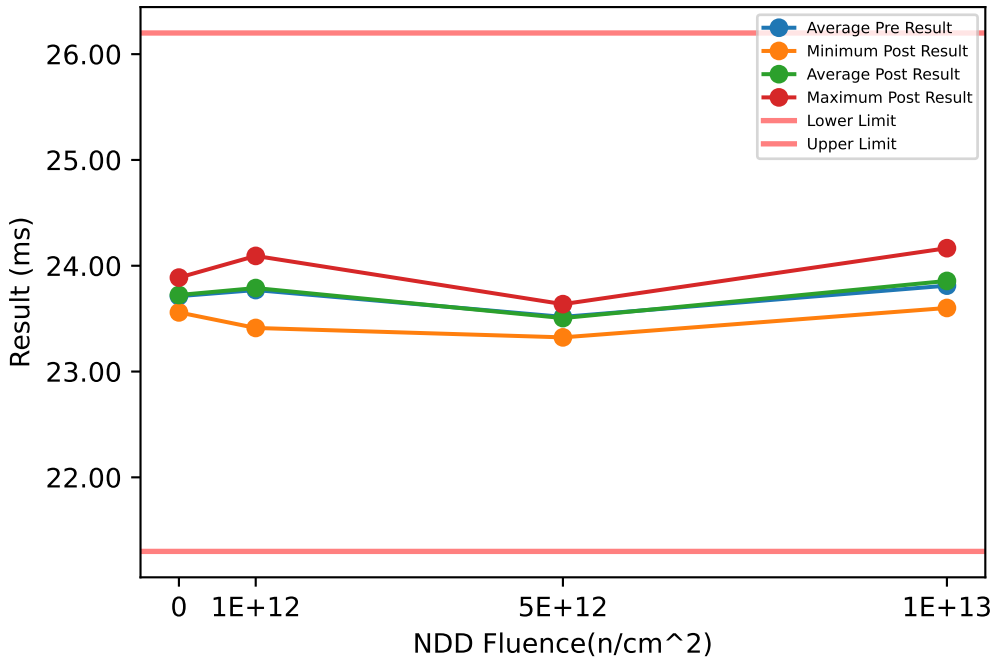


Test Statistics (ms)

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	23.573	23.71	23.848	0.19445	23.554	23.703	23.853	0.21142	-0.019	-0.007	0.005	0.016971
1e+12	23.407	23.738	24.013	0.28786	23.456	23.783	24.059	0.27796	-0.051	0.04525	0.118	0.070618
5e+12	23.382	23.502	23.691	0.1322	23.281	23.488	23.589	0.14146	-0.173	-0.01375	0.121	0.14562
1e+13	23.559	23.816	24.158	0.26361	23.589	23.798	24.034	0.19657	-0.124	-0.01775	0.03	0.072344

Device Test: 5.90 ; DLY_TMR_1MOHM

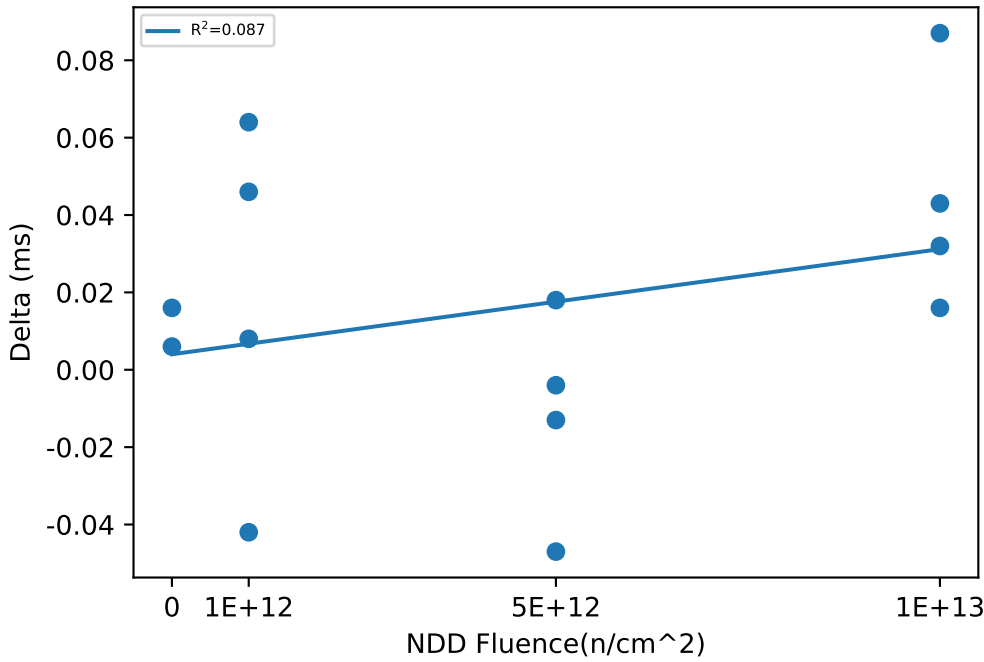
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.872	23.888	0.016
301	0	Correlation	23.553	23.559	0.006
353	1e+12	NDD Unbiased	23.542	23.606	0.064
354	1e+12	NDD Unbiased	23.454	23.412	-0.042
355	1e+12	NDD Unbiased	24.085	24.093	0.008
356	1e+12	NDD Unbiased	24	24.046	0.046
357	5e+12	NDD Unbiased	23.507	23.525	0.018
358	5e+12	NDD Unbiased	23.54	23.536	-0.004
359	5e+12	NDD Unbiased	23.37	23.323	-0.047
360	5e+12	NDD Unbiased	23.65	23.637	-0.013
361	1e+13	NDD Unbiased	23.814	23.857	0.043
362	1e+13	NDD Unbiased	24.15	24.166	0.016
363	1e+13	NDD Unbiased	23.715	23.802	0.087
364	1e+13	NDD Unbiased	23.569	23.601	0.032

NDD vs Post - Pre Exposure Delta

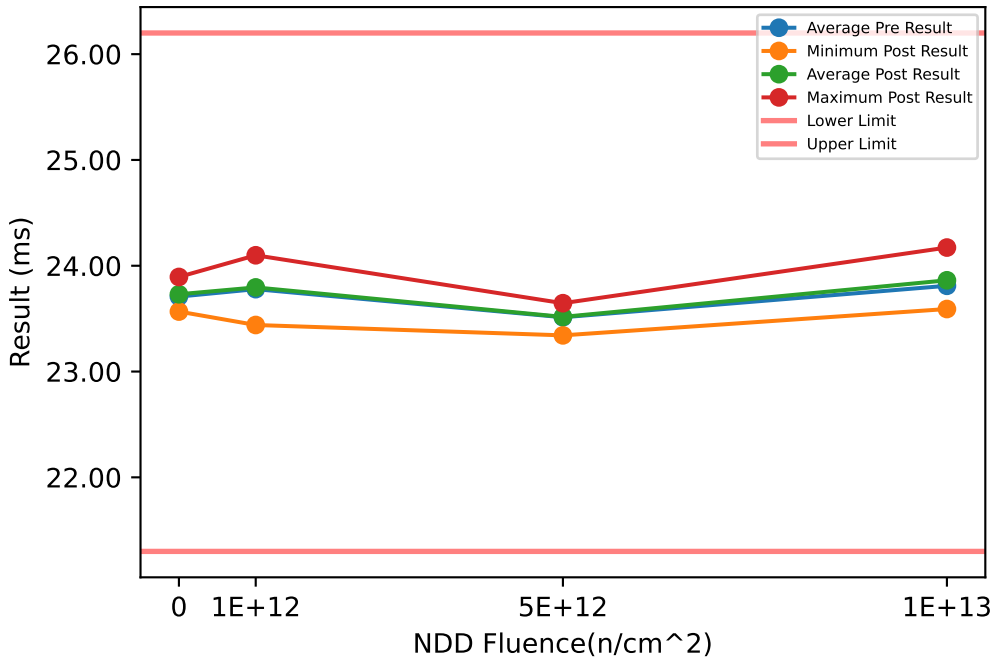


Test Statistics (ms)

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	23.553	23.712	23.872	0.22557	23.559	23.724	23.888	0.23264	0.006	0.011	0.016	0.0070711
1e+12	23.454	23.77	24.085	0.31831	23.412	23.789	24.093	0.33371	-0.042	0.019	0.064	0.04689
5e+12	23.37	23.517	23.65	0.11536	23.323	23.505	23.637	0.13154	-0.047	-0.0115	0.018	0.027012
1e+13	23.569	23.812	24.15	0.24678	23.601	23.857	24.166	0.23384	0.016	0.0445	0.087	0.030425

Device Test: 5.91 ; DLY_TMR_1MOHM

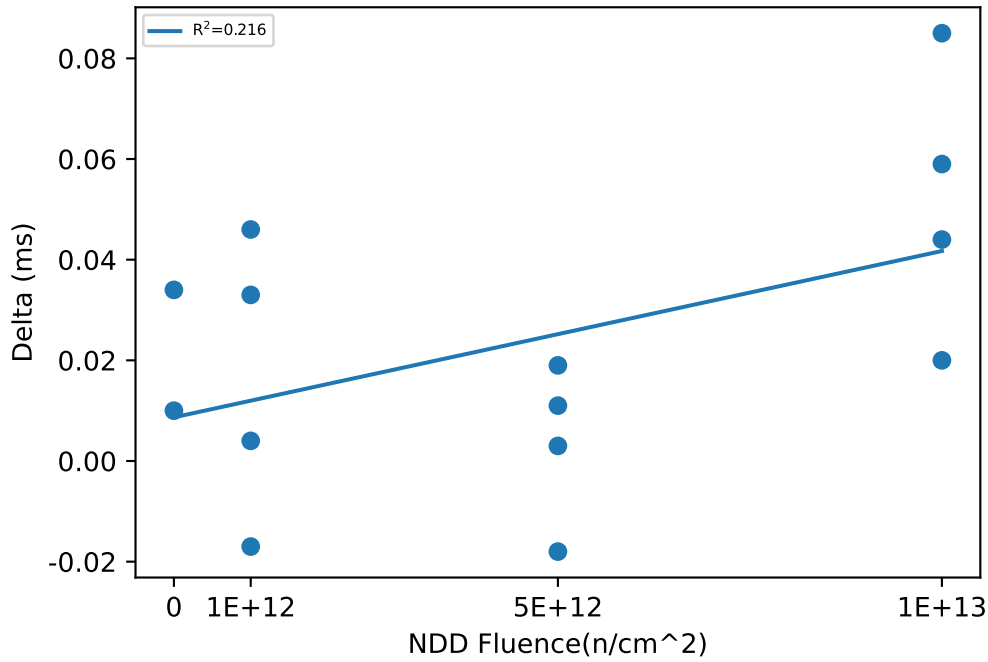
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	23.884	23.894	0.01
301	0	Correlation	23.533	23.567	0.034
353	1e+12	NDD Unbiased	23.568	23.614	0.046
354	1e+12	NDD Unbiased	23.457	23.44	-0.017
355	1e+12	NDD Unbiased	24.066	24.099	0.033
356	1e+12	NDD Unbiased	24.024	24.028	0.004
357	5e+12	NDD Unbiased	23.516	23.535	0.019
358	5e+12	NDD Unbiased	23.541	23.544	0.003
359	5e+12	NDD Unbiased	23.36	23.342	-0.018
360	5e+12	NDD Unbiased	23.635	23.646	0.011
361	1e+13	NDD Unbiased	23.819	23.878	0.059
362	1e+13	NDD Unbiased	24.128	24.172	0.044
363	1e+13	NDD Unbiased	23.724	23.809	0.085
364	1e+13	NDD Unbiased	23.571	23.591	0.02

NDD vs Post - Pre Exposure Delta

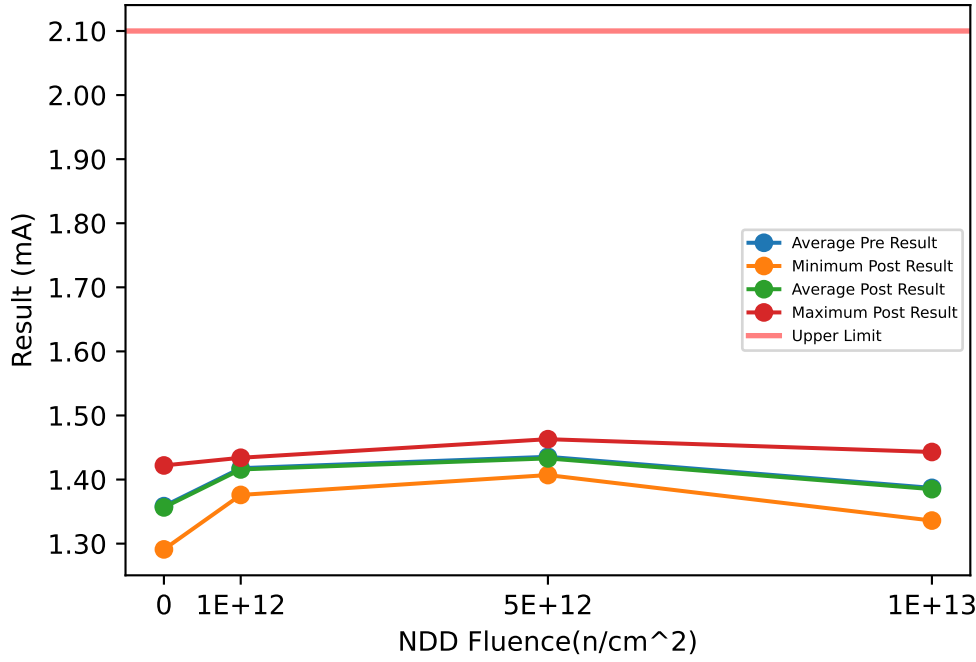


Test Statistics (ms)

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	23.533	23.709	23.884	0.24819	23.567	23.73	23.894	0.23122	0.01	0.022	0.034	0.016971
1e+12	23.457	23.779	24.066	0.31123	23.44	23.795	24.099	0.31911	-0.017	0.0165	0.046	0.028408
5e+12	23.36	23.513	23.635	0.11414	23.342	23.517	23.646	0.12691	-0.018	0.00375	0.019	0.015903
1e+13	23.571	23.811	24.128	0.23503	23.591	23.863	24.172	0.23986	0.02	0.052	0.085	0.02724

Device Test: 6.0 ; ISD

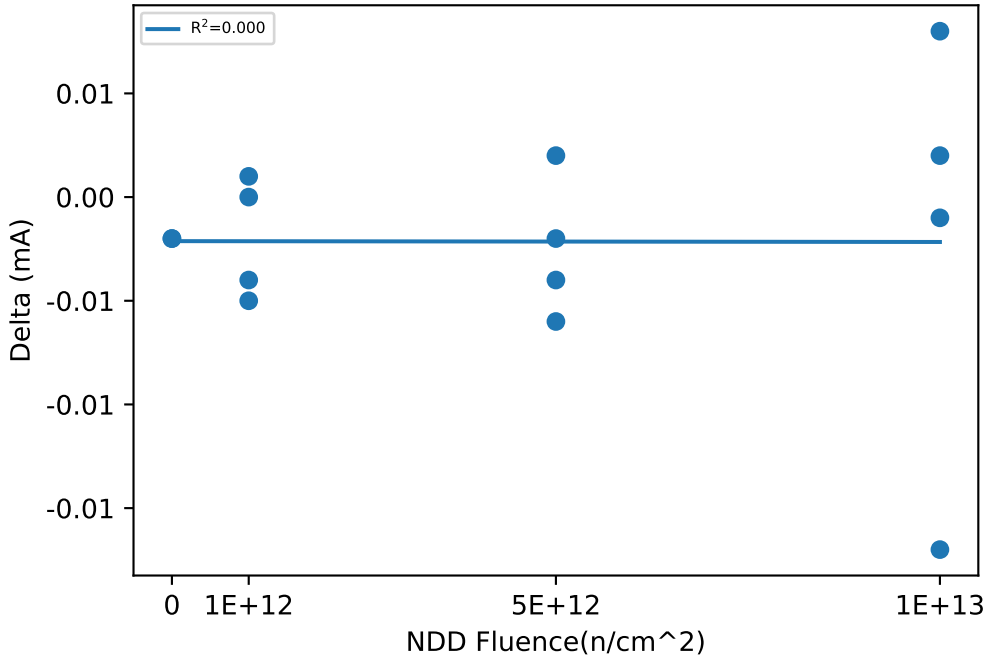
NDD vs Result Stats



Test Results (Upper Limit = 2.1 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.424	1.422	-0.002
301	0	Correlation	1.293	1.291	-0.002
353	1e+12	NDD Unbiased	1.38	1.376	-0.004
354	1e+12	NDD Unbiased	1.421	1.422	0.001
355	1e+12	NDD Unbiased	1.431	1.431	0
356	1e+12	NDD Unbiased	1.439	1.434	-0.005
357	5e+12	NDD Unbiased	1.459	1.455	-0.004
358	5e+12	NDD Unbiased	1.465	1.463	-0.002
359	5e+12	NDD Unbiased	1.413	1.407	-0.006
360	5e+12	NDD Unbiased	1.405	1.407	0.002
361	1e+13	NDD Unbiased	1.337	1.336	-0.001
362	1e+13	NDD Unbiased	1.417	1.4	-0.017
363	1e+13	NDD Unbiased	1.435	1.443	0.008
364	1e+13	NDD Unbiased	1.359	1.361	0.002

NDD vs Post - Pre Exposure Delta

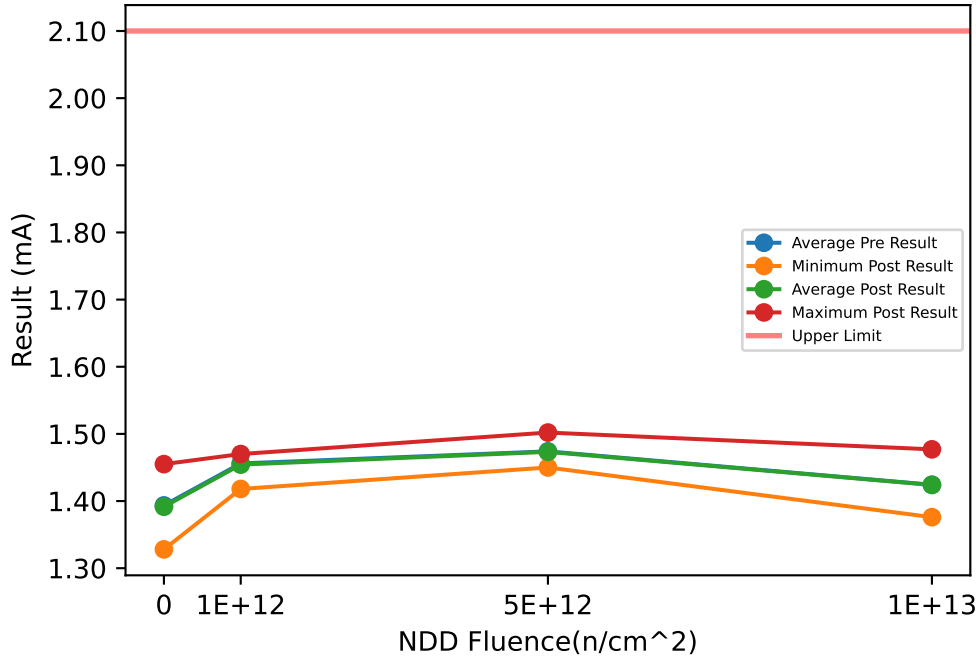


Test Statistics (mA)

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	1.293	1.3585	1.424	0.092631	1.291	1.3565	1.422	0.092631	-0.002	-0.002	-0.002	0
1e+12	1.38	1.4178	1.439	0.026222	1.376	1.4158	1.434	0.026986	-0.005	-0.002	0.001	0.0029439
5e+12	1.405	1.4355	1.465	0.030871	1.407	1.433	1.463	0.030199	-0.006	-0.0025	0.002	0.0034157
1e+13	1.337	1.387	1.435	0.046504	1.336	1.385	1.443	0.046783	-0.017	-0.002	0.008	0.010677

Device Test: 6.1 ; ISD

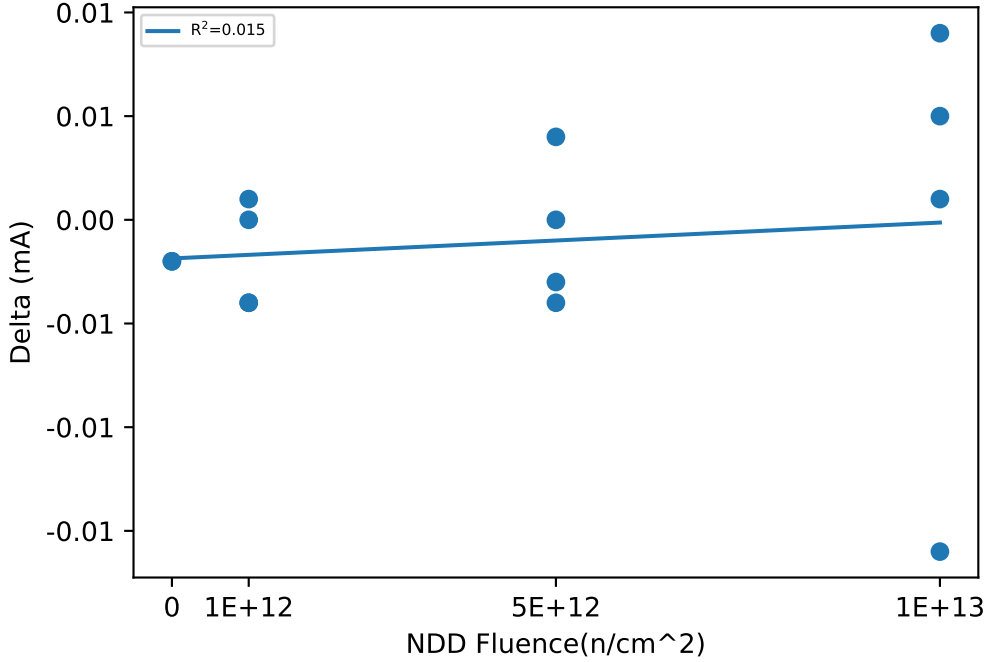
NDD vs Result Stats



Test Results (Upper Limit = 2.1 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.457	1.455	-0.002
301	0	Correlation	1.33	1.328	-0.002
353	1e+12	NDD Unbiased	1.422	1.418	-0.004
354	1e+12	NDD Unbiased	1.46	1.461	0.001
355	1e+12	NDD Unbiased	1.468	1.468	0
356	1e+12	NDD Unbiased	1.474	1.47	-0.004
357	5e+12	NDD Unbiased	1.493	1.49	-0.003
358	5e+12	NDD Unbiased	1.502	1.502	0
359	5e+12	NDD Unbiased	1.454	1.45	-0.004
360	5e+12	NDD Unbiased	1.447	1.451	0.004
361	1e+13	NDD Unbiased	1.375	1.376	0.001
362	1e+13	NDD Unbiased	1.456	1.44	-0.016
363	1e+13	NDD Unbiased	1.468	1.477	0.009
364	1e+13	NDD Unbiased	1.398	1.403	0.005

NDD vs Post - Pre Exposure Delta

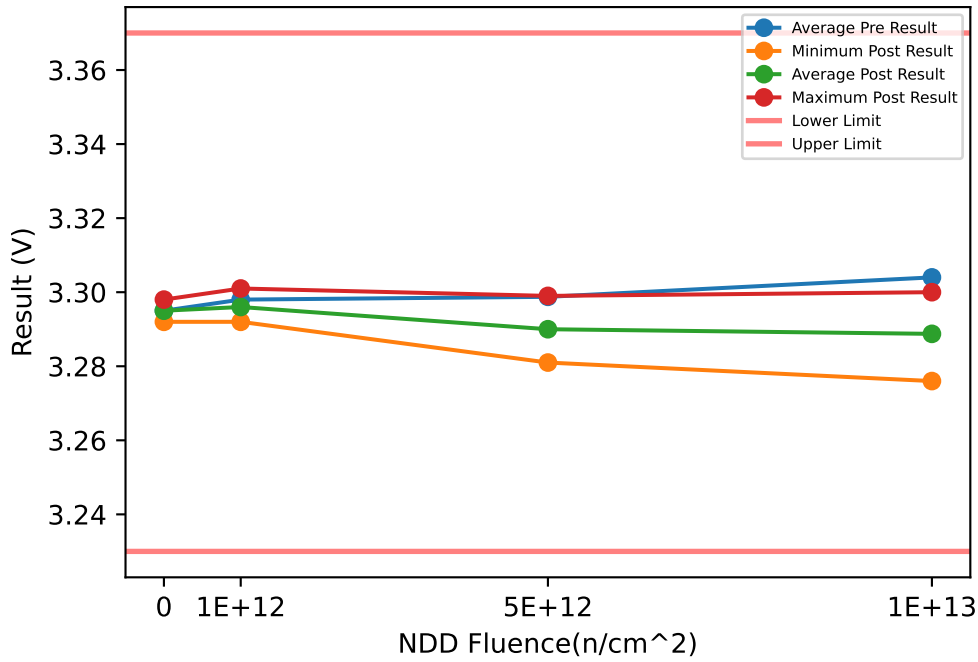


Test Statistics (mA)

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	1.33	1.3935	1.457	0.089803	1.328	1.3915	1.455	0.089803	-0.002	-0.002	-0.002	0
1e+12	1.422	1.456	1.474	0.023381	1.418	1.4543	1.47	0.024473	-0.004	-0.00175	0.001	0.00263
5e+12	1.447	1.474	1.502	0.027532	1.45	1.4732	1.502	0.026725	-0.004	-0.00075	0.004	0.003594
1e+13	1.375	1.4243	1.468	0.044858	1.376	1.424	1.477	0.044008	-0.016	-0.00025	0.009	0.010996

Device Test: 6.10 ; VLDO_REG

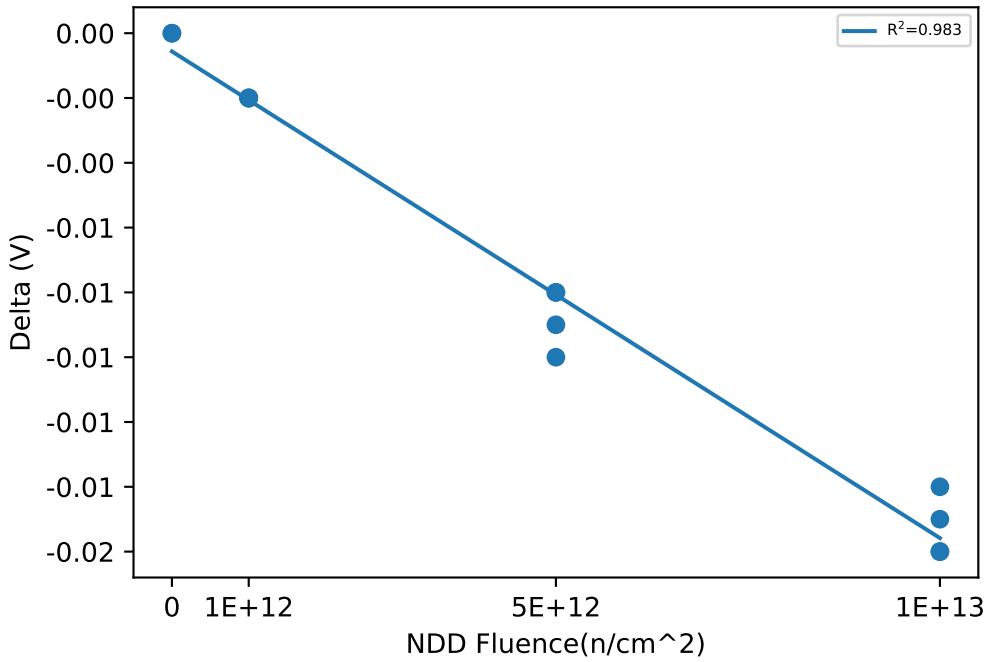
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3.298	3.298	0
301	0	Correlation	3.292	3.292	0
353	1e+12	NDD Unbiased	3.296	3.294	-0.002
354	1e+12	NDD Unbiased	3.303	3.301	-0.002
355	1e+12	NDD Unbiased	3.299	3.297	-0.002
356	1e+12	NDD Unbiased	3.294	3.292	-0.002
357	5e+12	NDD Unbiased	3.291	3.281	-0.01
358	5e+12	NDD Unbiased	3.295	3.287	-0.008
359	5e+12	NDD Unbiased	3.308	3.299	-0.009
360	5e+12	NDD Unbiased	3.301	3.293	-0.008
361	1e+13	NDD Unbiased	3.31	3.294	-0.016
362	1e+13	NDD Unbiased	3.299	3.285	-0.014
363	1e+13	NDD Unbiased	3.315	3.3	-0.015
364	1e+13	NDD Unbiased	3.292	3.276	-0.016

NDD vs Post - Pre Exposure Delta

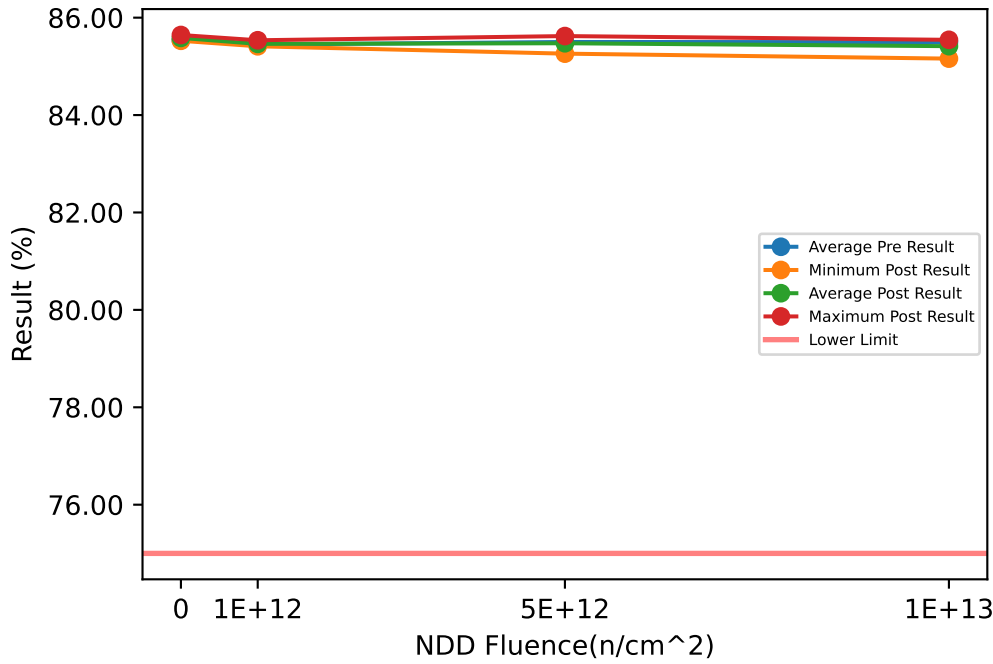


Test Statistics (V)

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	3.292	3.295	3.298	0.0042426	3.292	3.295	3.298	0.0042426	0	0	0	0
1e+12	3.294	3.298	3.303	0.0039158	3.292	3.296	3.301	0.0039158	-0.002	-0.002	-0.002	2.2204e-16
5e+12	3.291	3.2988	3.308	0.0074106	3.281	3.29	3.299	0.007746	-0.01	-0.00875	-0.008	0.00095743
1e+13	3.292	3.304	3.315	0.010424	3.276	3.2887	3.3	0.0105	-0.016	-0.01525	-0.014	0.00095743

Device Test: 6.100; VOH_PWRGD_10MA

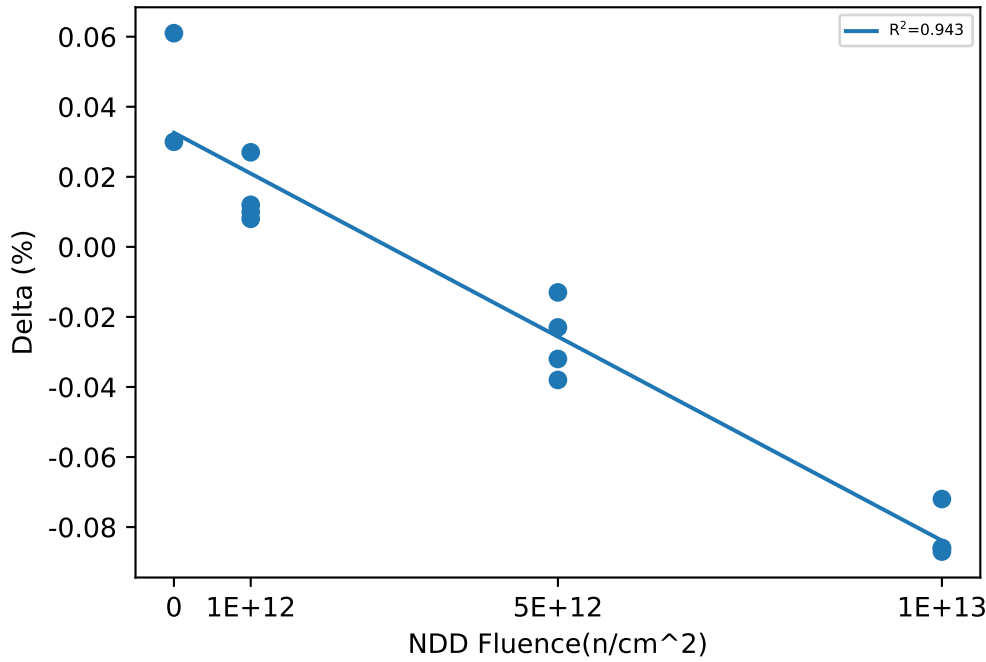
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.464	85.525	0.061
301	0	Correlation	85.614	85.644	0.03
353	1e+12	NDD Unbiased	85.509	85.536	0.027
354	1e+12	NDD Unbiased	85.447	85.459	0.012
355	1e+12	NDD Unbiased	85.43	85.44	0.01
356	1e+12	NDD Unbiased	85.404	85.412	0.008
357	5e+12	NDD Unbiased	85.608	85.595	-0.013
358	5e+12	NDD Unbiased	85.284	85.261	-0.023
359	5e+12	NDD Unbiased	85.654	85.622	-0.032
360	5e+12	NDD Unbiased	85.457	85.419	-0.038
361	1e+13	NDD Unbiased	85.585	85.513	-0.072
362	1e+13	NDD Unbiased	85.245	85.159	-0.086
363	1e+13	NDD Unbiased	85.631	85.545	-0.086
364	1e+13	NDD Unbiased	85.528	85.441	-0.087

NDD vs Post - Pre Exposure Delta

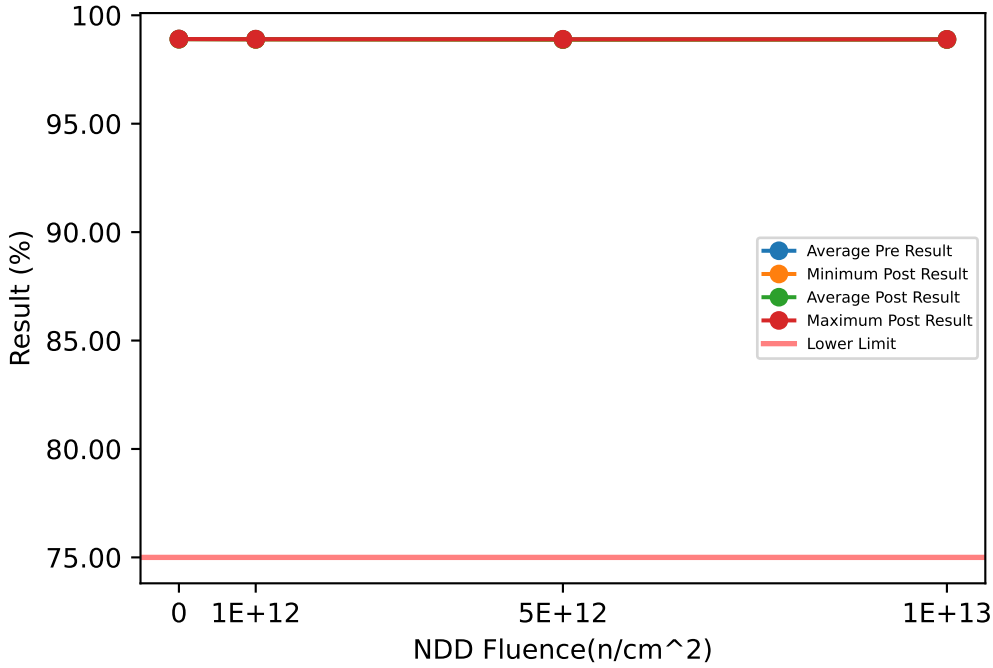


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.464	85.539	85.614	0.10607	85.525	85.585	85.644	0.084146	0.03	0.0455	0.061	0.02192
1e+12	85.404	85.448	85.509	0.04465	85.412	85.462	85.536	0.053131	0.008	0.01425	0.027	0.0086554
5e+12	85.284	85.501	85.654	0.16722	85.261	85.474	85.622	0.16826	-0.038	-0.0265	-0.013	0.010909
1e+13	85.245	85.497	85.631	0.17336	85.159	85.415	85.545	0.1758	-0.087	-0.08275	-0.072	0.0071822

Device Test: 6.101; VOH_RESET_10MA

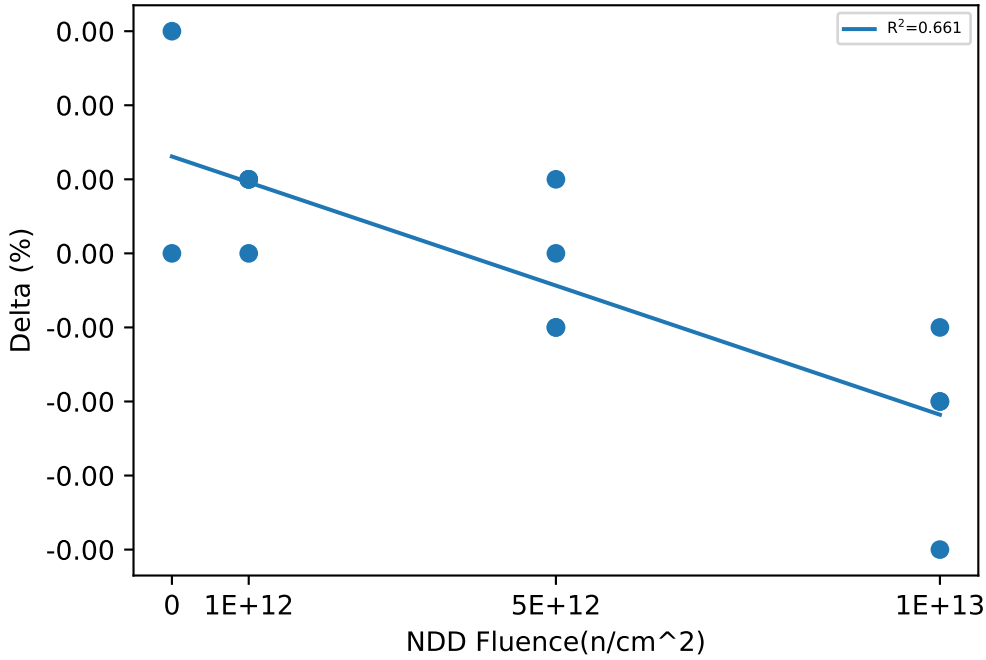
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.893	98.896	0.003
301	0	Correlation	98.906	98.906	0
353	1e+12	NDD Unbiased	98.897	98.898	0.001
354	1e+12	NDD Unbiased	98.898	98.899	0.001
355	1e+12	NDD Unbiased	98.894	98.895	0.001
356	1e+12	NDD Unbiased	98.887	98.887	0
357	5e+12	NDD Unbiased	98.893	98.894	0.001
358	5e+12	NDD Unbiased	98.877	98.877	0
359	5e+12	NDD Unbiased	98.879	98.878	-0.001
360	5e+12	NDD Unbiased	98.882	98.881	-0.001
361	1e+13	NDD Unbiased	98.884	98.883	-0.001
362	1e+13	NDD Unbiased	98.887	98.885	-0.002
363	1e+13	NDD Unbiased	98.888	98.886	-0.002
364	1e+13	NDD Unbiased	98.893	98.889	-0.004

NDD vs Post - Pre Exposure Delta

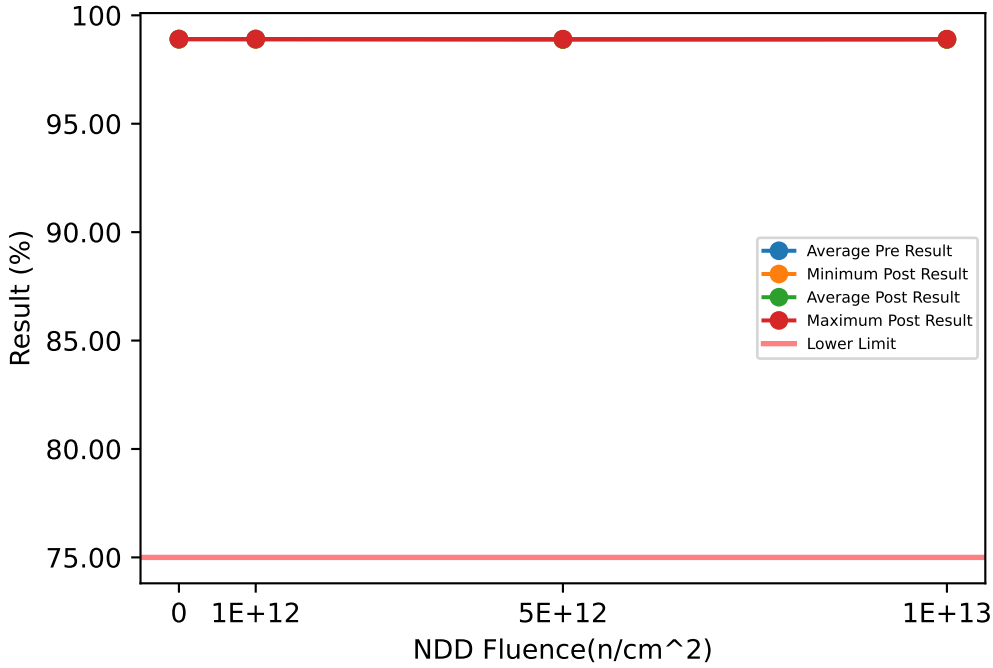


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.893	98.9	98.906	0.0091924	98.896	98.901	98.906	0.0070711	0	0.0015	0.003	0.0021213
1e+12	98.887	98.894	98.898	0.0049666	98.887	98.895	98.899	0.0054391	0	0.00075	0.001	0.0005
5e+12	98.877	98.883	98.893	0.0071356	98.877	98.882	98.894	0.0078528	-0.001	-0.00025	0.001	0.00095743
1e+13	98.884	98.888	98.893	0.0037417	98.883	98.886	98.889	0.0025	-0.004	-0.00225	-0.001	0.0012583

Device Test: 6.102; VOH_RESET_10MA

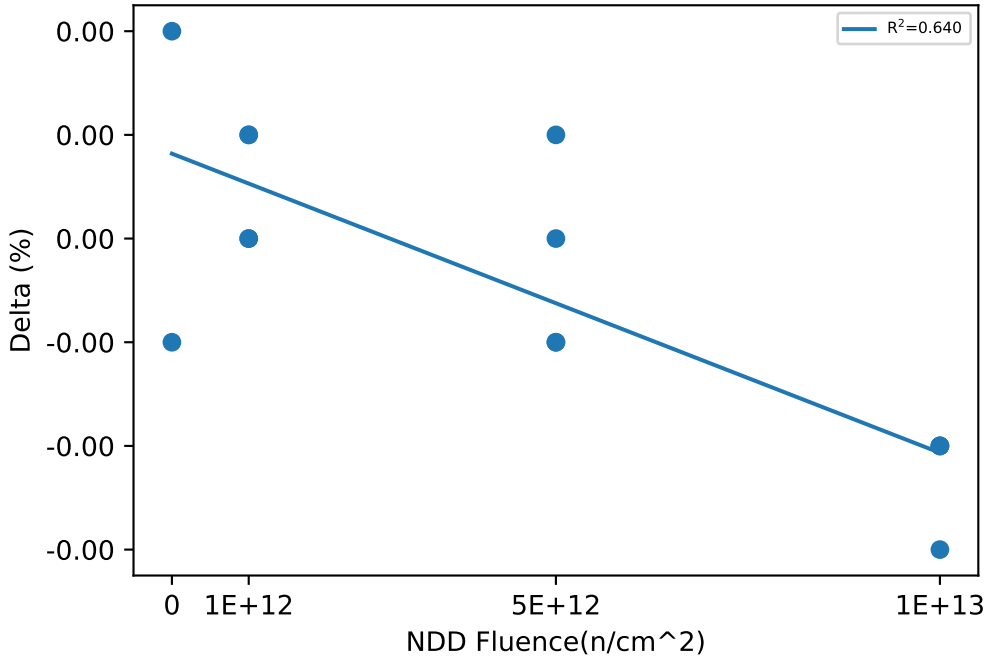
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.897	98.899	0.002
301	0	Correlation	98.906	98.905	-0.001
353	1e+12	NDD Unbiased	98.904	98.904	0
354	1e+12	NDD Unbiased	98.907	98.908	0.001
355	1e+12	NDD Unbiased	98.903	98.904	0.001
356	1e+12	NDD Unbiased	98.89	98.89	0
357	5e+12	NDD Unbiased	98.899	98.9	0.001
358	5e+12	NDD Unbiased	98.887	98.887	0
359	5e+12	NDD Unbiased	98.888	98.887	-0.001
360	5e+12	NDD Unbiased	98.886	98.885	-0.001
361	1e+13	NDD Unbiased	98.891	98.889	-0.002
362	1e+13	NDD Unbiased	98.89	98.888	-0.002
363	1e+13	NDD Unbiased	98.894	98.892	-0.002
364	1e+13	NDD Unbiased	98.904	98.901	-0.003

NDD vs Post - Pre Exposure Delta

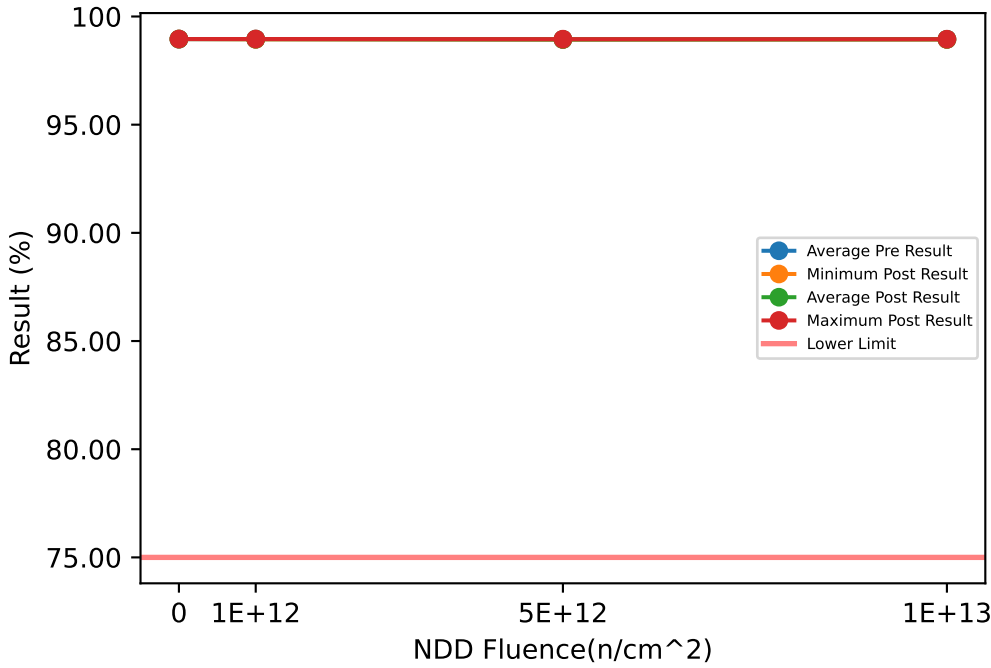


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.897	98.901	98.906	0.006364	98.899	98.902	98.905	0.0042426	-0.001	0.0005	0.002	0.0021213
1e+12	98.89	98.901	98.907	0.0075277	98.89	98.901	98.908	0.0078951	0	0.0005	0.001	0.00057735
5e+12	98.886	98.89	98.899	0.0060553	98.885	98.89	98.9	0.0068981	-0.001	-0.00025	0.001	0.00095743
1e+13	98.89	98.895	98.904	0.0063966	98.888	98.892	98.901	0.0059161	-0.003	-0.00225	-0.002	0.0005

Device Test: 6.103; VOH_RESET_10MA

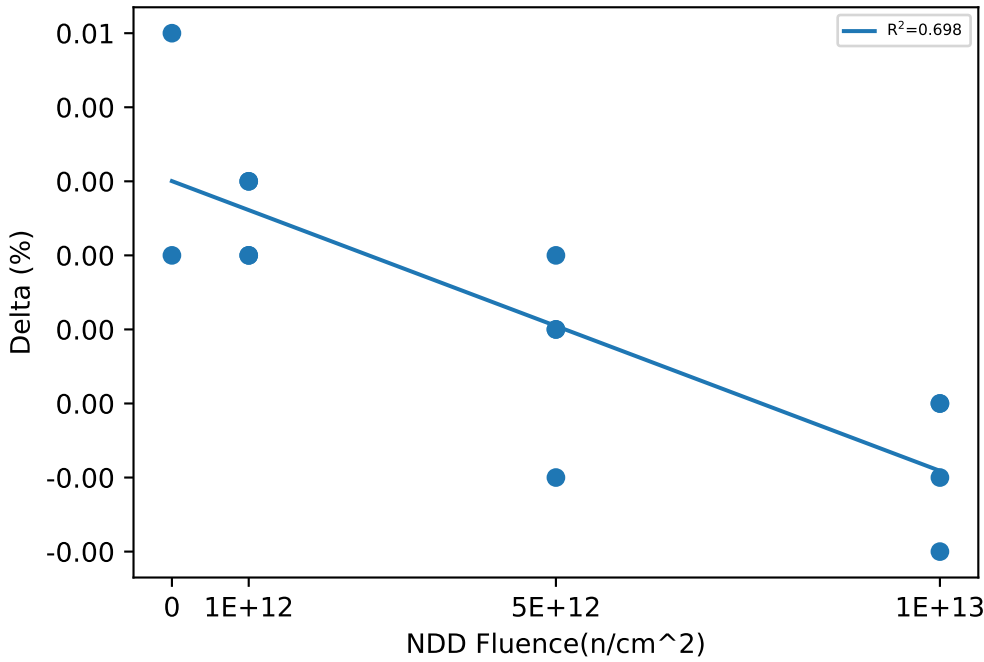
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.95	98.955	0.005
301	0	Correlation	98.957	98.959	0.002
353	1e+12	NDD Unbiased	98.955	98.957	0.002
354	1e+12	NDD Unbiased	98.957	98.96	0.003
355	1e+12	NDD Unbiased	98.955	98.957	0.002
356	1e+12	NDD Unbiased	98.94	98.943	0.003
357	5e+12	NDD Unbiased	98.95	98.952	0.002
358	5e+12	NDD Unbiased	98.935	98.936	0.001
359	5e+12	NDD Unbiased	98.935	98.936	0.001
360	5e+12	NDD Unbiased	98.938	98.937	-0.001
361	1e+13	NDD Unbiased	98.949	98.949	0
362	1e+13	NDD Unbiased	98.94	98.939	-0.001
363	1e+13	NDD Unbiased	98.946	98.946	0
364	1e+13	NDD Unbiased	98.953	98.951	-0.002

NDD vs Post - Pre Exposure Delta

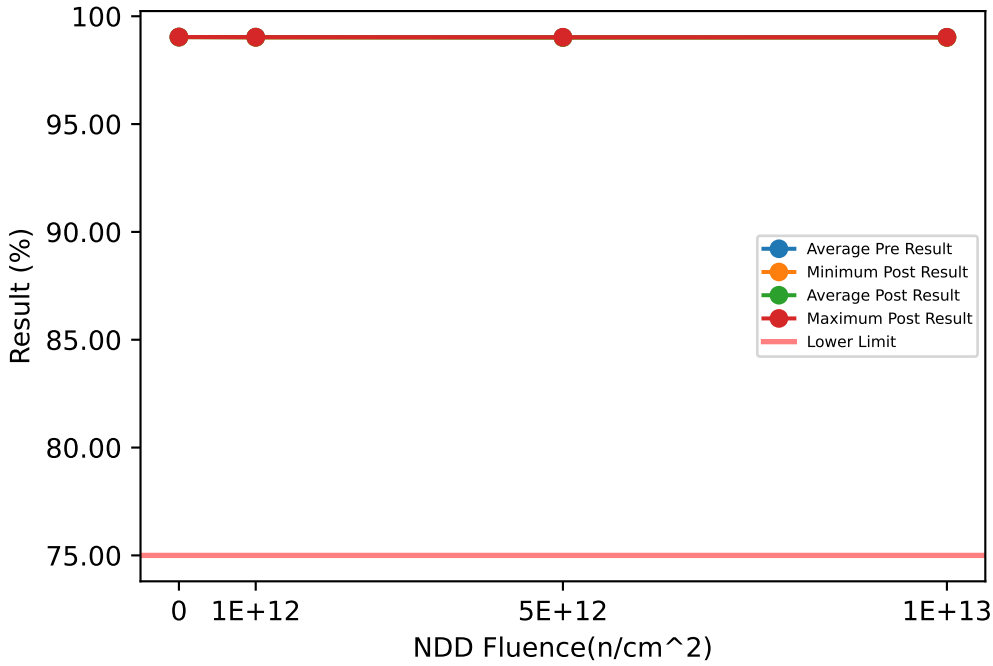


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.95	98.953	98.957	0.0049497	98.955	98.957	98.959	0.0028284	0.002	0.0035	0.005	0.0021213
1e+12	98.94	98.952	98.957	0.0078899	98.943	98.954	98.96	0.0076322	0.002	0.0025	0.003	0.00057735
5e+12	98.935	98.94	98.95	0.0071414	98.936	98.94	98.952	0.0078475	-0.001	0.00075	0.002	0.0012583
1e+13	98.94	98.947	98.953	0.0054772	98.939	98.946	98.951	0.005252	-0.002	-0.00075	0	0.00095743

Device Test: 6.104; VOH_RESET_10MA

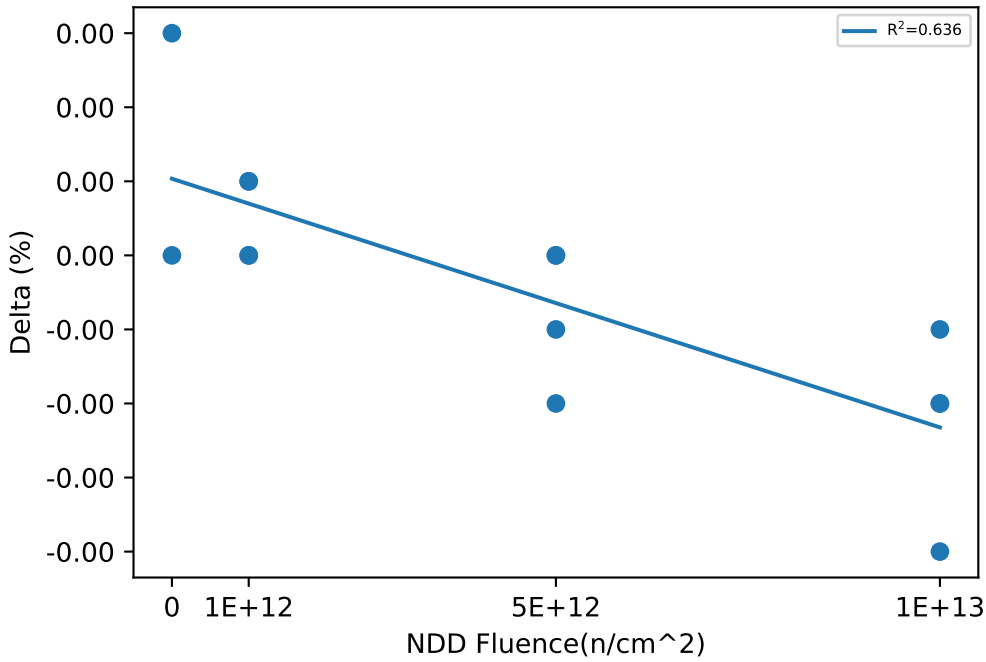
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.029	99.032	0.003
301	0	Correlation	99.038	99.038	0
353	1e+12	NDD Unbiased	99.032	99.032	0
354	1e+12	NDD Unbiased	99.03	99.031	0.001
355	1e+12	NDD Unbiased	99.032	99.033	0.001
356	1e+12	NDD Unbiased	99.017	99.017	0
357	5e+12	NDD Unbiased	99.028	99.028	0
358	5e+12	NDD Unbiased	99.015	99.015	0
359	5e+12	NDD Unbiased	99.014	99.012	-0.002
360	5e+12	NDD Unbiased	99.016	99.015	-0.001
361	1e+13	NDD Unbiased	99.027	99.026	-0.001
362	1e+13	NDD Unbiased	99.016	99.014	-0.002
363	1e+13	NDD Unbiased	99.028	99.026	-0.002
364	1e+13	NDD Unbiased	99.029	99.025	-0.004

NDD vs Post - Pre Exposure Delta

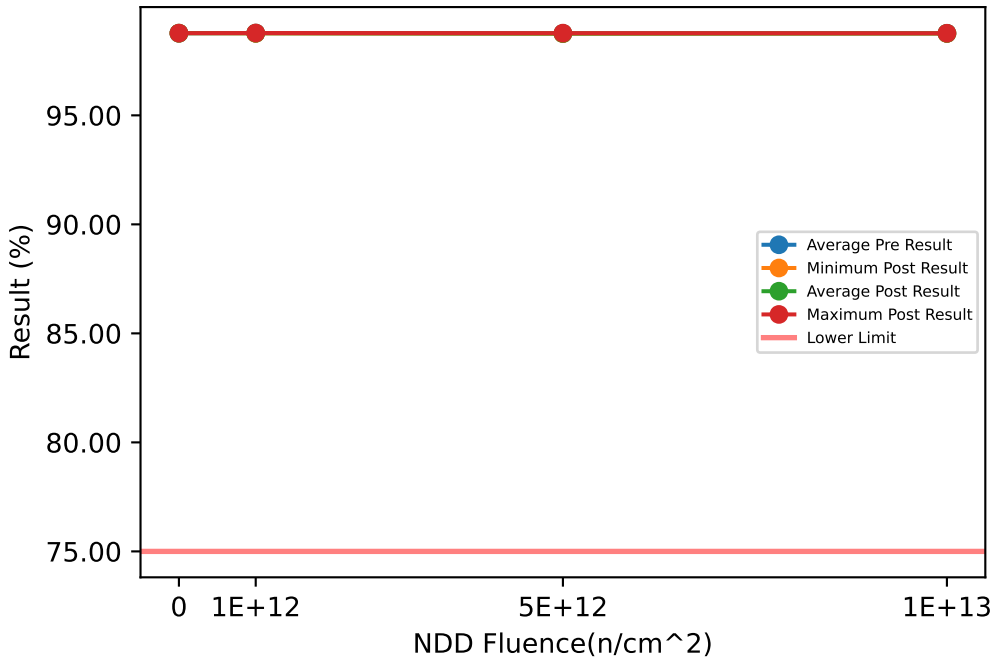


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.029	99.034	99.038	0.006364	99.032	99.035	99.038	0.0042426	0	0.0015	0.003	0.0021213
1e+12	99.017	99.028	99.032	0.0072284	99.017	99.028	99.033	0.0075443	0	0.0005	0.001	0.00057735
5e+12	99.014	99.018	99.028	0.0065511	99.012	99.017	99.028	0.0071414	-0.002	-0.00075	0	0.00095743
1e+13	99.016	99.025	99.029	0.0060553	99.014	99.023	99.026	0.0058523	-0.004	-0.00225	-0.001	0.0012583

Device Test: 6.105; VOH_WDO_10MA

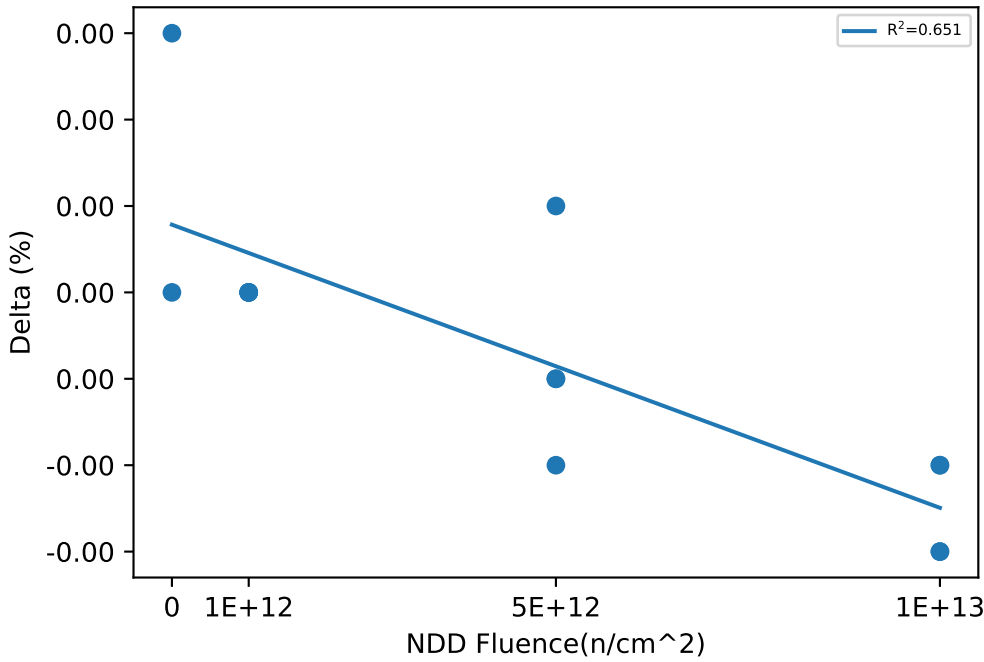
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.766	98.77	0.004
301	0	Correlation	98.767	98.768	0.001
353	1e+12	NDD Unbiased	98.775	98.776	0.001
354	1e+12	NDD Unbiased	98.776	98.777	0.001
355	1e+12	NDD Unbiased	98.766	98.767	0.001
356	1e+12	NDD Unbiased	98.757	98.758	0.001
357	5e+12	NDD Unbiased	98.769	98.771	0.002
358	5e+12	NDD Unbiased	98.756	98.756	0
359	5e+12	NDD Unbiased	98.749	98.748	-0.001
360	5e+12	NDD Unbiased	98.745	98.745	0
361	1e+13	NDD Unbiased	98.762	98.761	-0.001
362	1e+13	NDD Unbiased	98.755	98.754	-0.001
363	1e+13	NDD Unbiased	98.766	98.764	-0.002
364	1e+13	NDD Unbiased	98.768	98.766	-0.002

NDD vs Post - Pre Exposure Delta

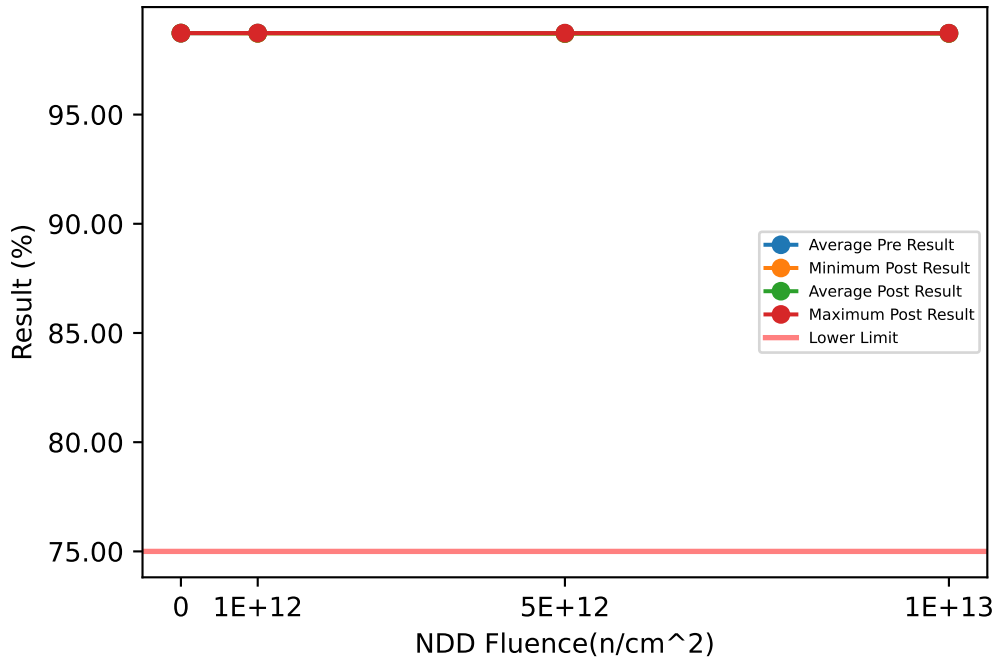


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.766	98.767	98.767	0.00070711	98.768	98.769	98.77	0.0014142	0.001	0.0025	0.004	0.0021213
1e+12	98.757	98.769	98.776	0.0088882	98.758	98.769	98.777	0.0088882	0.001	0.001	0.001	7.1054e-15
5e+12	98.745	98.755	98.769	0.010532	98.745	98.755	98.771	0.011633	-0.001	0.00025	0.002	0.0012583
1e+13	98.755	98.763	98.768	0.0057373	98.754	98.761	98.766	0.005252	-0.002	-0.0015	-0.001	0.00057735

Device Test: 6.106; VOH_PWRGD_10MA

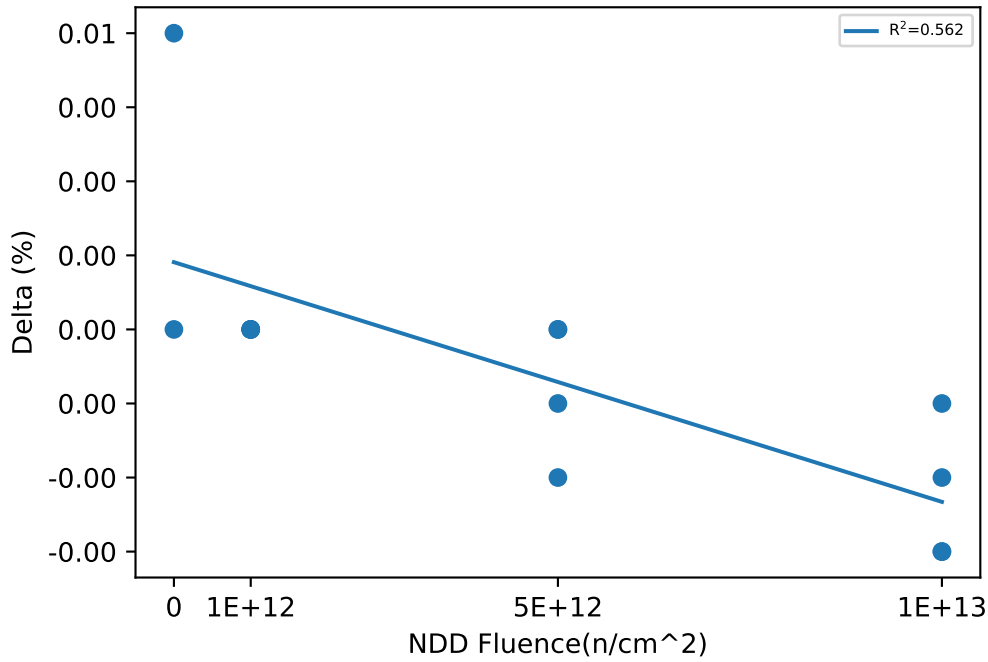
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.726	98.731	0.005
301	0	Correlation	98.729	98.73	0.001
353	1e+12	NDD Unbiased	98.734	98.735	0.001
354	1e+12	NDD Unbiased	98.732	98.733	0.001
355	1e+12	NDD Unbiased	98.727	98.728	0.001
356	1e+12	NDD Unbiased	98.714	98.715	0.001
357	5e+12	NDD Unbiased	98.729	98.73	0.001
358	5e+12	NDD Unbiased	98.715	98.716	0.001
359	5e+12	NDD Unbiased	98.708	98.707	-0.001
360	5e+12	NDD Unbiased	98.704	98.704	0
361	1e+13	NDD Unbiased	98.719	98.719	0
362	1e+13	NDD Unbiased	98.713	98.712	-0.001
363	1e+13	NDD Unbiased	98.722	98.72	-0.002
364	1e+13	NDD Unbiased	98.729	98.727	-0.002

NDD vs Post - Pre Exposure Delta

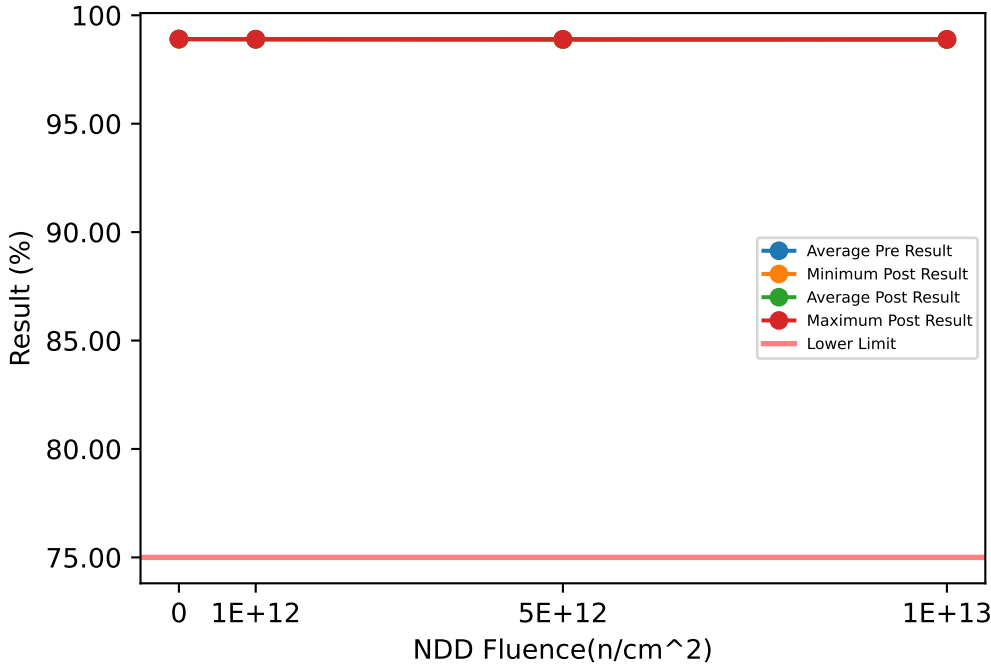


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.726	98.727	98.729	0.0021213	98.73	98.731	98.731	0.00070711	0.001	0.003	0.005	0.0028284
1e+12	98.714	98.727	98.734	0.0089954	98.715	98.728	98.735	0.0089954	0.001	0.001	0.001	7.1054e-15
5e+12	98.704	98.714	98.729	0.010985	98.704	98.714	98.73	0.011673	-0.001	0.00025	0.001	0.00095743
1e+13	98.713	98.721	98.729	0.0066521	98.712	98.719	98.727	0.0061373	-0.002	-0.00125	0	0.00095743

Device Test: 6.107; VOH_RESET_10MA

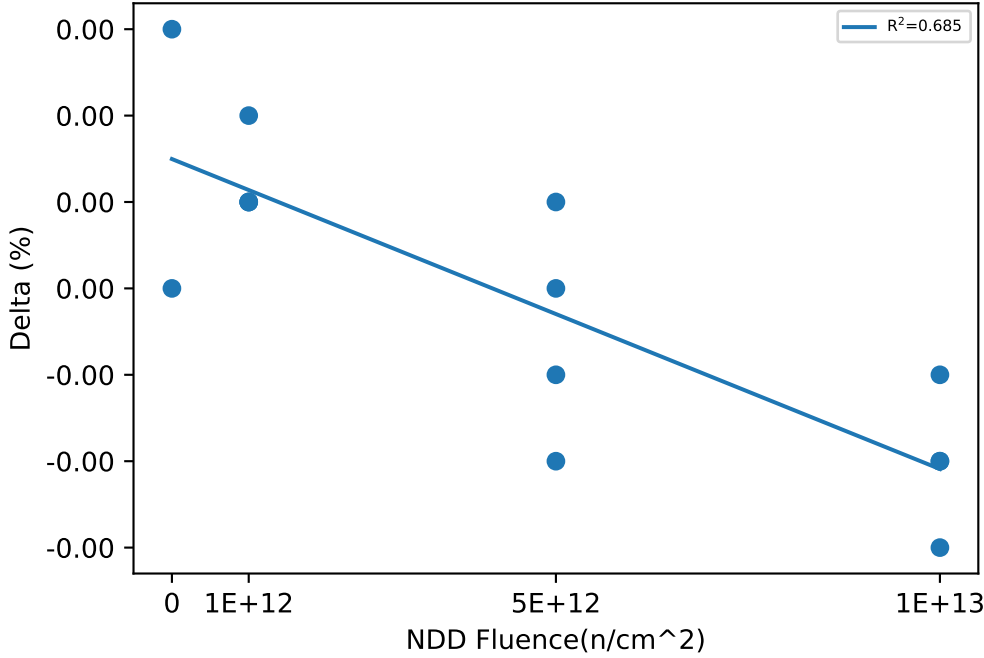
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.893	98.896	0.003
301	0	Correlation	98.906	98.906	0
353	1e+12	NDD Unbiased	98.896	98.898	0.002
354	1e+12	NDD Unbiased	98.898	98.899	0.001
355	1e+12	NDD Unbiased	98.894	98.895	0.001
356	1e+12	NDD Unbiased	98.886	98.887	0.001
357	5e+12	NDD Unbiased	98.893	98.894	0.001
358	5e+12	NDD Unbiased	98.877	98.877	0
359	5e+12	NDD Unbiased	98.879	98.877	-0.002
360	5e+12	NDD Unbiased	98.882	98.881	-0.001
361	1e+13	NDD Unbiased	98.884	98.883	-0.001
362	1e+13	NDD Unbiased	98.887	98.885	-0.002
363	1e+13	NDD Unbiased	98.888	98.886	-0.002
364	1e+13	NDD Unbiased	98.892	98.889	-0.003

NDD vs Post - Pre Exposure Delta

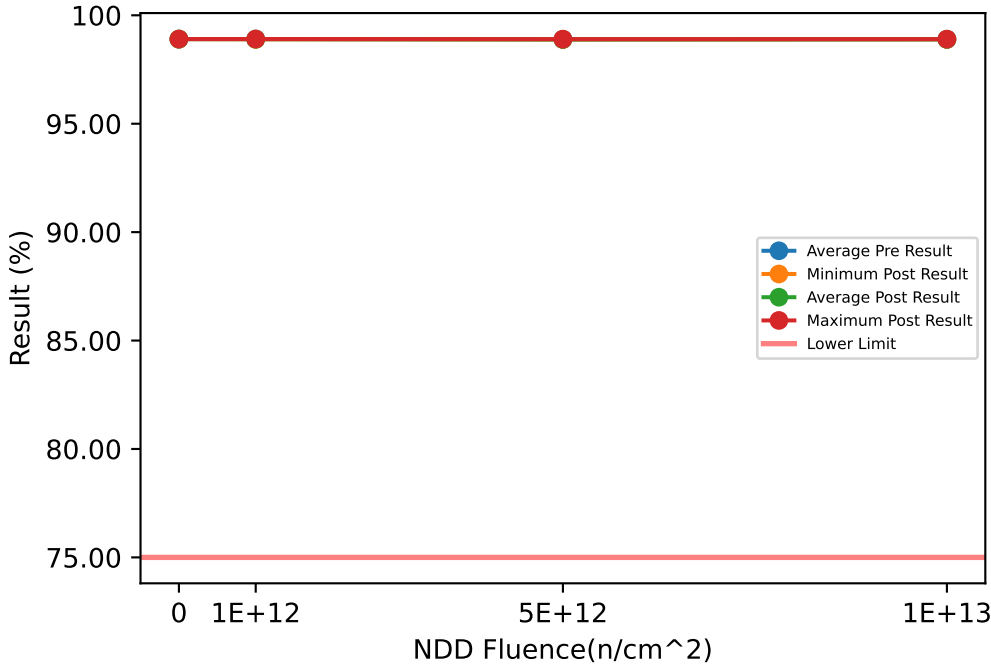


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.893	98.9	98.906	0.0091924	98.896	98.901	98.906	0.0070711	0	0.0015	0.003	0.0021213
1e+12	98.886	98.894	98.898	0.0052599	98.887	98.895	98.899	0.0054391	0.001	0.00125	0.002	0.0005
5e+12	98.877	98.883	98.893	0.0071356	98.877	98.882	98.894	0.0080571	-0.002	-0.0005	0.001	0.001291
1e+13	98.884	98.888	98.892	0.003304	98.883	98.886	98.889	0.0025	-0.003	-0.002	-0.001	0.0008165

Device Test: 6.108; VOH_RESET_10MA

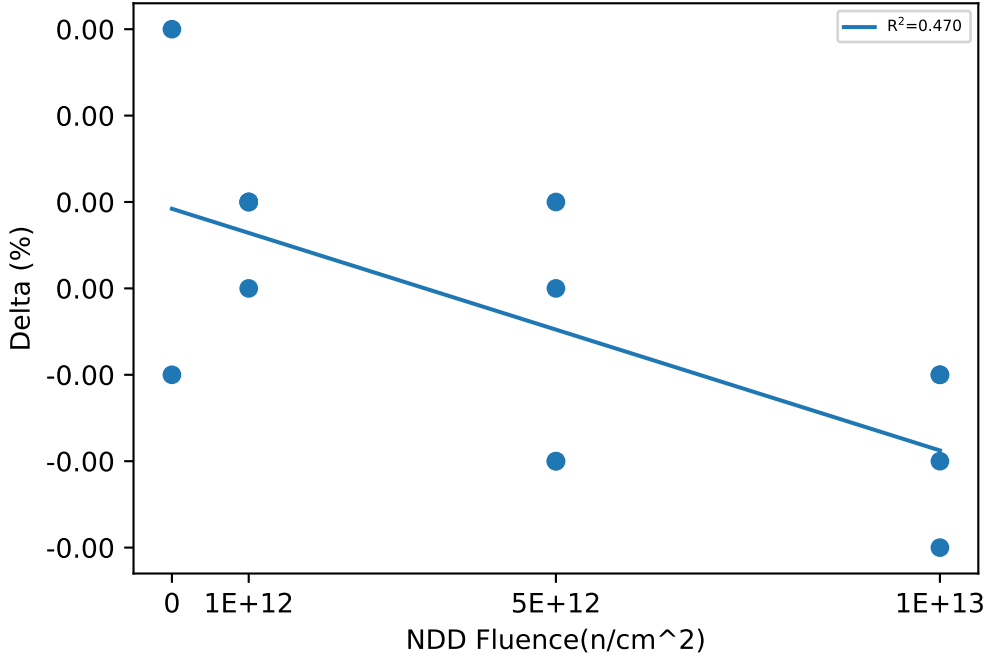
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.897	98.9	0.003
301	0	Correlation	98.906	98.905	-0.001
353	1e+12	NDD Unbiased	98.903	98.904	0.001
354	1e+12	NDD Unbiased	98.907	98.907	0
355	1e+12	NDD Unbiased	98.903	98.904	0.001
356	1e+12	NDD Unbiased	98.889	98.89	0.001
357	5e+12	NDD Unbiased	98.899	98.9	0.001
358	5e+12	NDD Unbiased	98.887	98.887	0
359	5e+12	NDD Unbiased	98.888	98.886	-0.002
360	5e+12	NDD Unbiased	98.886	98.884	-0.002
361	1e+13	NDD Unbiased	98.89	98.889	-0.001
362	1e+13	NDD Unbiased	98.89	98.888	-0.002
363	1e+13	NDD Unbiased	98.894	98.893	-0.001
364	1e+13	NDD Unbiased	98.904	98.901	-0.003

NDD vs Post - Pre Exposure Delta

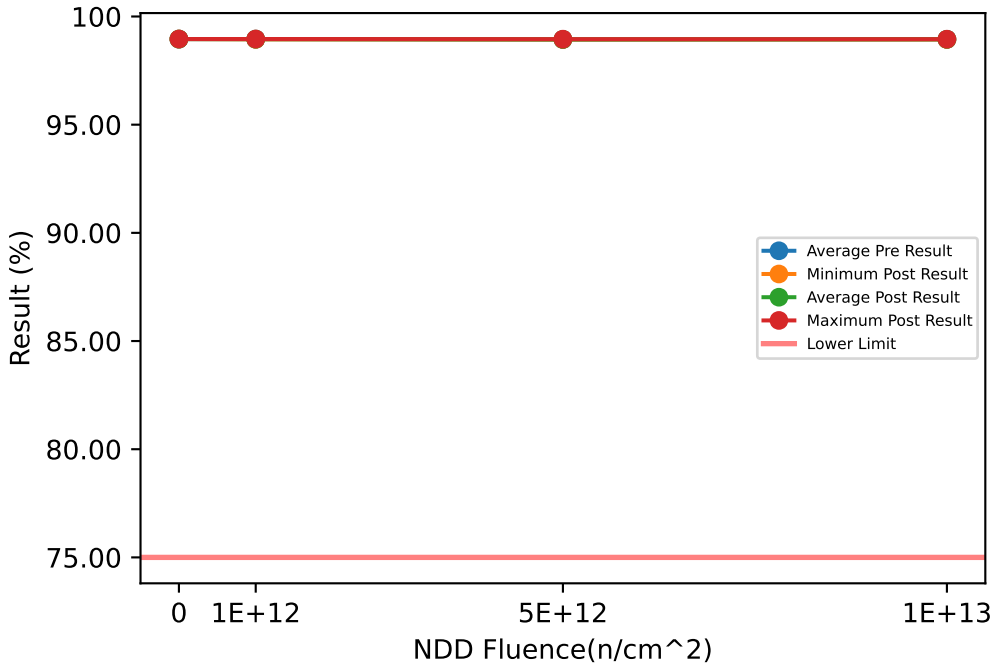


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.897	98.901	98.906	0.006364	98.9	98.903	98.905	0.0035355	-0.001	0.001	0.003	0.0028284
1e+12	98.889	98.9	98.907	0.0078951	98.89	98.901	98.907	0.0076322	0	0.00075	0.001	0.0005
5e+12	98.886	98.89	98.899	0.0060553	98.884	98.889	98.9	0.0072744	-0.002	-0.00075	0.001	0.0015
1e+13	98.89	98.894	98.904	0.0066081	98.888	98.893	98.901	0.005909	-0.003	-0.00175	-0.001	0.00095743

Device Test: 6.109; VOH_RESET_10MA

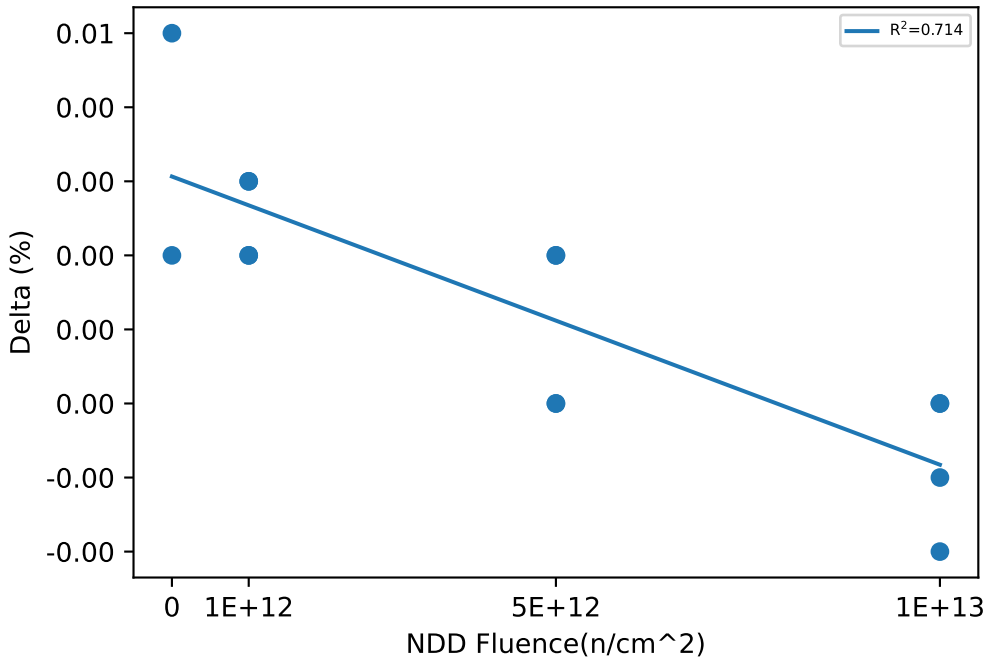
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.95	98.955	0.005
301	0	Correlation	98.957	98.959	0.002
353	1e+12	NDD Unbiased	98.955	98.957	0.002
354	1e+12	NDD Unbiased	98.957	98.96	0.003
355	1e+12	NDD Unbiased	98.954	98.957	0.003
356	1e+12	NDD Unbiased	98.94	98.942	0.002
357	5e+12	NDD Unbiased	98.95	98.952	0.002
358	5e+12	NDD Unbiased	98.934	98.936	0.002
359	5e+12	NDD Unbiased	98.936	98.936	0
360	5e+12	NDD Unbiased	98.937	98.937	0
361	1e+13	NDD Unbiased	98.949	98.948	-0.001
362	1e+13	NDD Unbiased	98.939	98.939	0
363	1e+13	NDD Unbiased	98.946	98.946	0
364	1e+13	NDD Unbiased	98.953	98.951	-0.002

NDD vs Post - Pre Exposure Delta

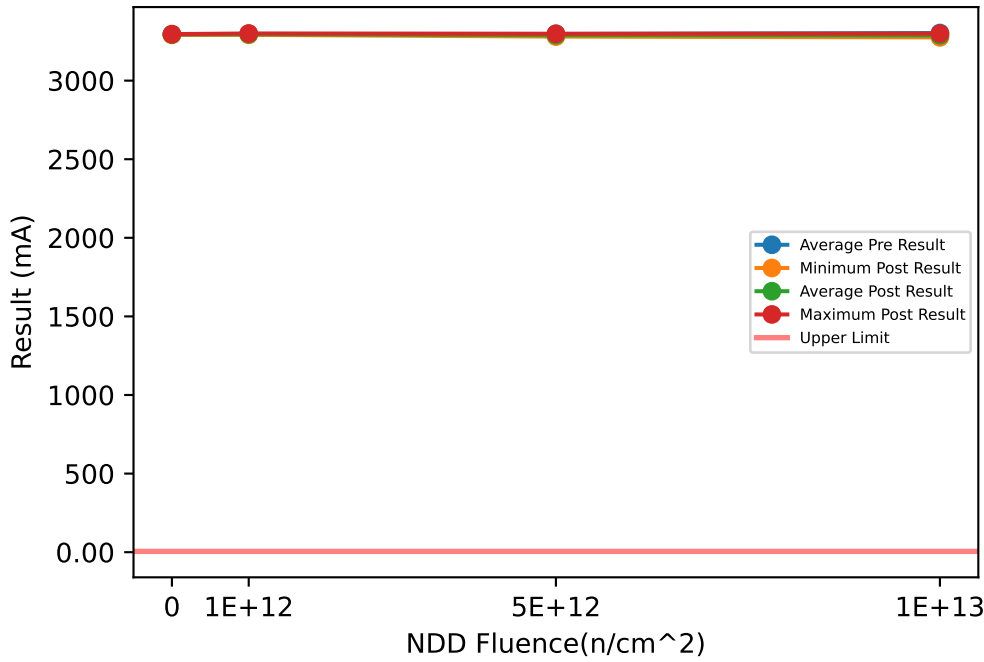


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.95	98.953	98.957	0.0049497	98.955	98.957	98.959	0.0028284	0.002	0.0035	0.005	0.0021213
1e+12	98.94	98.951	98.957	0.0077675	98.942	98.954	98.96	0.008124	0.002	0.0025	0.003	0.00057735
5e+12	98.934	98.939	98.95	0.0072744	98.936	98.94	98.952	0.0078475	0	0.001	0.002	0.0011547
1e+13	98.939	98.947	98.953	0.005909	98.939	98.946	98.951	0.005099	-0.002	-0.00075	0	0.00095743

Device Test: 6.11 ; VLDO_I_MAX

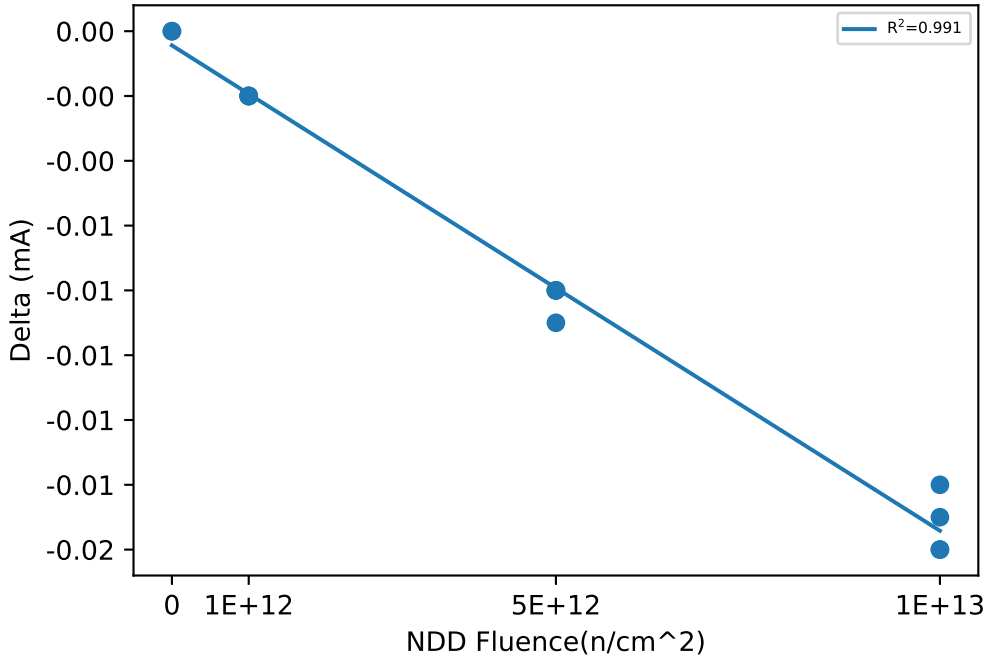
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3296	3296	0
301	0	Correlation	3291	3291	0
353	1e+12	NDD Unbiased	3295	3293	-0.002
354	1e+12	NDD Unbiased	3302	3300	-0.002
355	1e+12	NDD Unbiased	3298	3296	-0.002
356	1e+12	NDD Unbiased	3293	3291	-0.002
357	5e+12	NDD Unbiased	3289	3280	-0.009
358	5e+12	NDD Unbiased	3294	3286	-0.008
359	5e+12	NDD Unbiased	3306	3298	-0.008
360	5e+12	NDD Unbiased	3300	3292	-0.008
361	1e+13	NDD Unbiased	3309	3293	-0.016
362	1e+13	NDD Unbiased	3298	3284	-0.014
363	1e+13	NDD Unbiased	3314	3299	-0.015
364	1e+13	NDD Unbiased	3291	3275	-0.016

NDD vs Post - Pre Exposure Delta

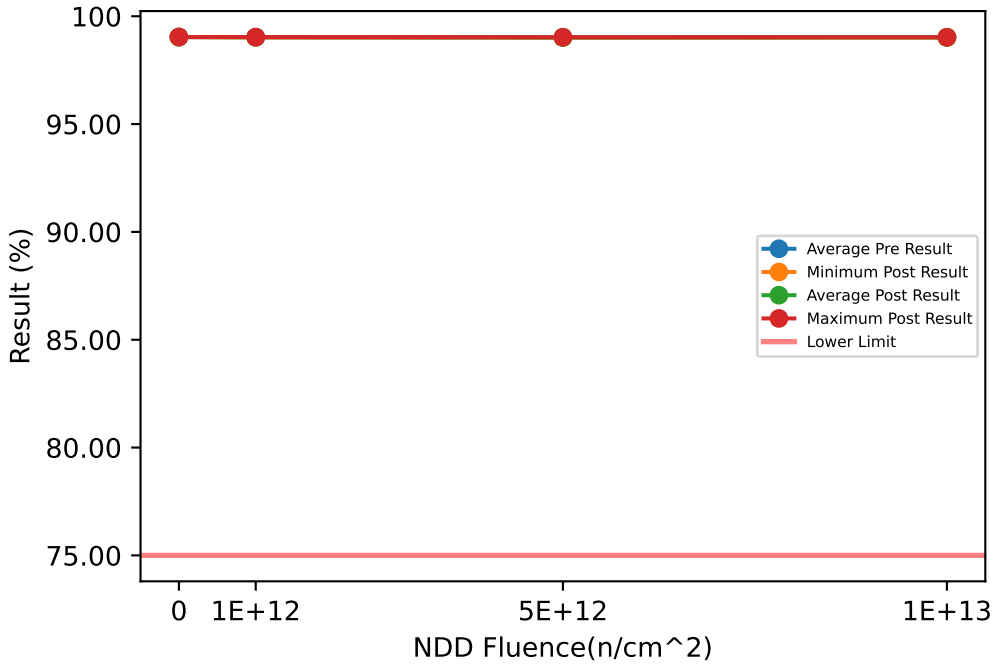


Test Statistics (mA)

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	3291	3293.5	3296	3.5355	3291	3293.5	3296	3.5355	0	0	0	0
1e+12	3293	3297	3302	3.9158	3291	3295	3300	3.9158	-0.002	-0.002	-0.002	2.2201e-16
5e+12	3289	3297.2	3306	7.3655	3280	3289	3298	7.746	-0.009	-0.00825	-0.008	0.0005
1e+13	3291	3303	3314	10.424	3275	3287.8	3299	10.5	-0.016	-0.01525	-0.014	0.00095743

Device Test: 6.110; VOH_RESET_10MA

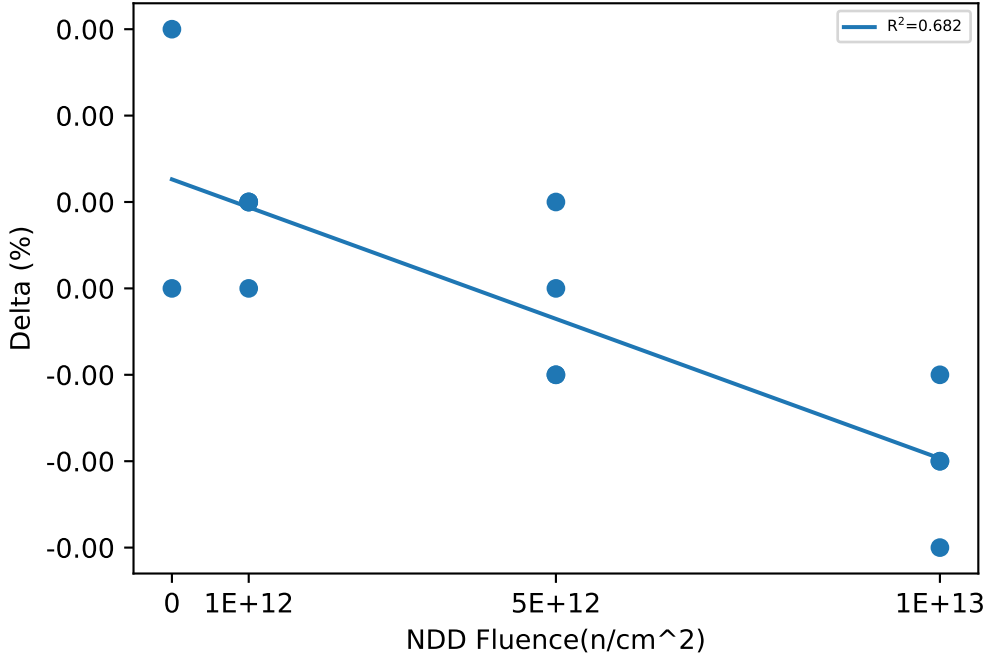
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.029	99.032	0.003
301	0	Correlation	99.038	99.038	0
353	1e+12	NDD Unbiased	99.031	99.032	0.001
354	1e+12	NDD Unbiased	99.03	99.031	0.001
355	1e+12	NDD Unbiased	99.032	99.033	0.001
356	1e+12	NDD Unbiased	99.017	99.017	0
357	5e+12	NDD Unbiased	99.027	99.028	0.001
358	5e+12	NDD Unbiased	99.015	99.015	0
359	5e+12	NDD Unbiased	99.014	99.013	-0.001
360	5e+12	NDD Unbiased	99.016	99.015	-0.001
361	1e+13	NDD Unbiased	99.027	99.026	-0.001
362	1e+13	NDD Unbiased	99.016	99.014	-0.002
363	1e+13	NDD Unbiased	99.028	99.026	-0.002
364	1e+13	NDD Unbiased	99.029	99.026	-0.003

NDD vs Post - Pre Exposure Delta

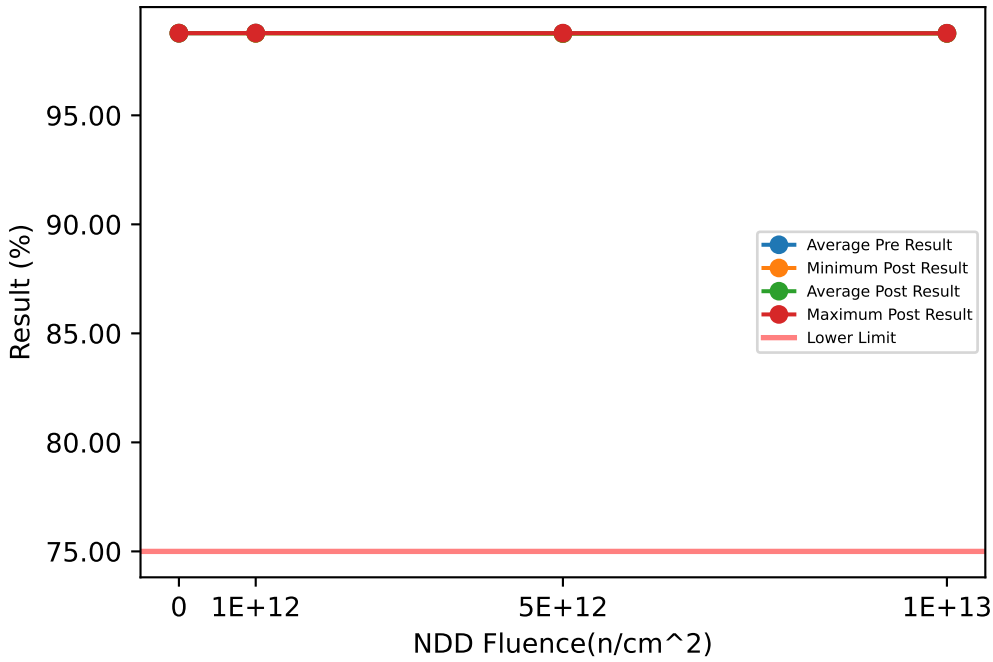


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.029	99.034	99.038	0.006364	99.032	99.035	99.038	0.0042426	0	0.0015	0.003	0.0021213
1e+12	99.017	99.028	99.032	0.0070475	99.017	99.028	99.033	0.0075443	0	0.00075	0.001	0.0005
5e+12	99.014	99.018	99.027	0.0060553	99.013	99.018	99.028	0.0068981	-0.001	-0.00025	0.001	0.00095743
1e+13	99.016	99.025	99.029	0.0060553	99.014	99.023	99.026	0.006	-0.003	-0.002	-0.001	0.0008165

Device Test: 6.111; VOH_WDO_10MA

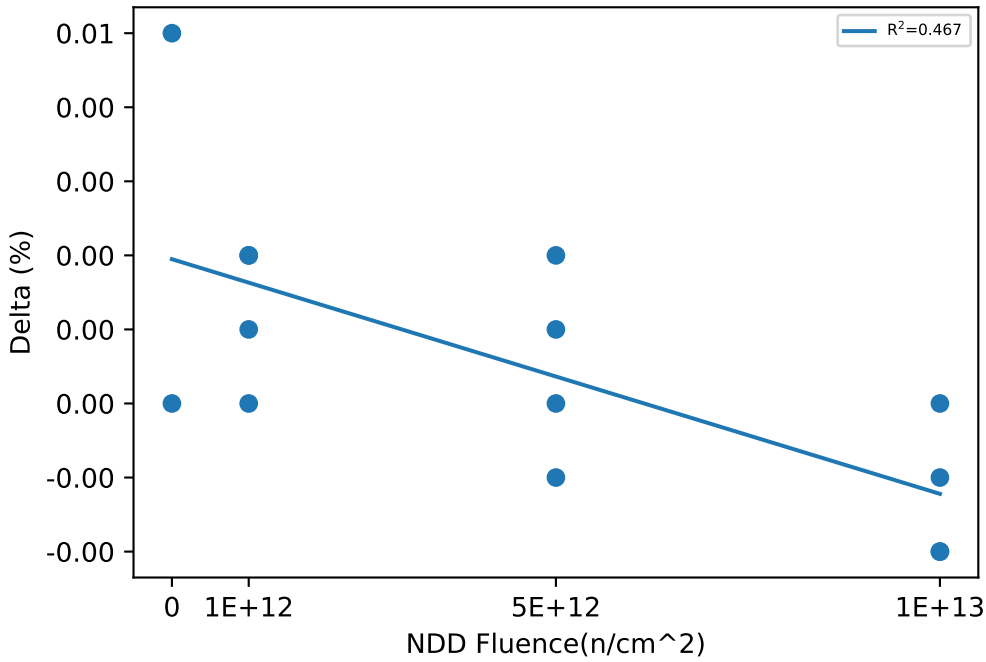
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.765	98.77	0.005
301	0	Correlation	98.767	98.767	0
353	1e+12	NDD Unbiased	98.774	98.776	0.002
354	1e+12	NDD Unbiased	98.775	98.776	0.001
355	1e+12	NDD Unbiased	98.765	98.767	0.002
356	1e+12	NDD Unbiased	98.757	98.757	0
357	5e+12	NDD Unbiased	98.768	98.77	0.002
358	5e+12	NDD Unbiased	98.755	98.756	0.001
359	5e+12	NDD Unbiased	98.748	98.747	-0.001
360	5e+12	NDD Unbiased	98.744	98.744	0
361	1e+13	NDD Unbiased	98.761	98.761	0
362	1e+13	NDD Unbiased	98.755	98.754	-0.001
363	1e+13	NDD Unbiased	98.765	98.763	-0.002
364	1e+13	NDD Unbiased	98.768	98.766	-0.002

NDD vs Post - Pre Exposure Delta

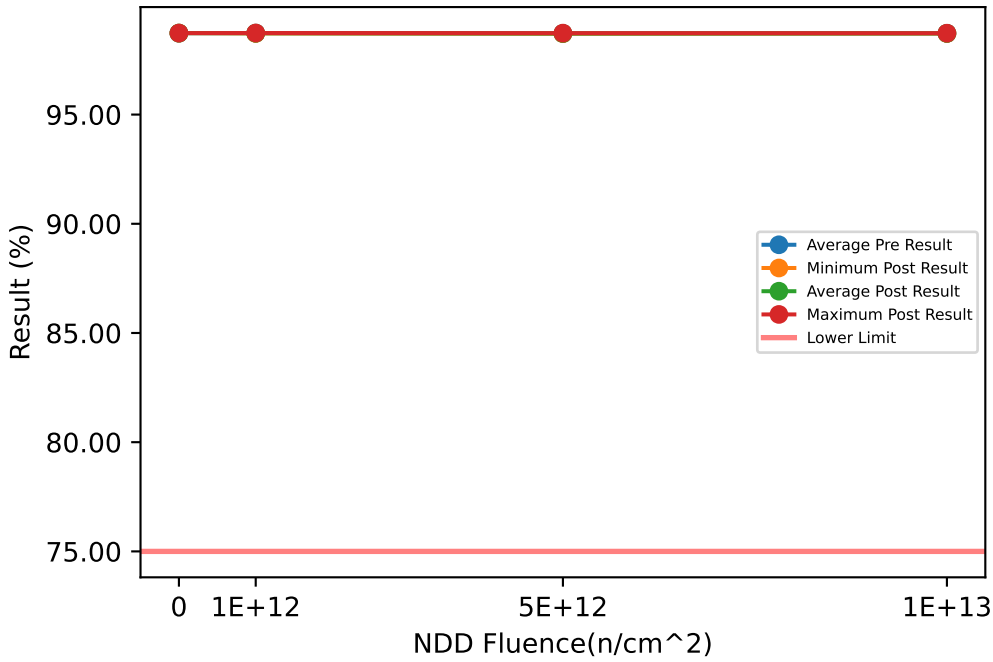


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.765	98.766	98.767	0.0014142	98.767	98.768	98.77	0.0021213	0	0.0025	0.005	0.0035355
1e+12	98.757	98.768	98.775	0.0084607	98.757	98.769	98.776	0.0090554	0	0.00125	0.002	0.00095743
5e+12	98.744	98.754	98.768	0.010532	98.744	98.754	98.77	0.011673	-0.001	0.0005	0.002	0.001291
1e+13	98.755	98.762	98.768	0.0056199	98.754	98.761	98.766	0.005099	-0.002	-0.00125	0	0.00095743

Device Test: 6.112; VOH_PWRGD_10MA

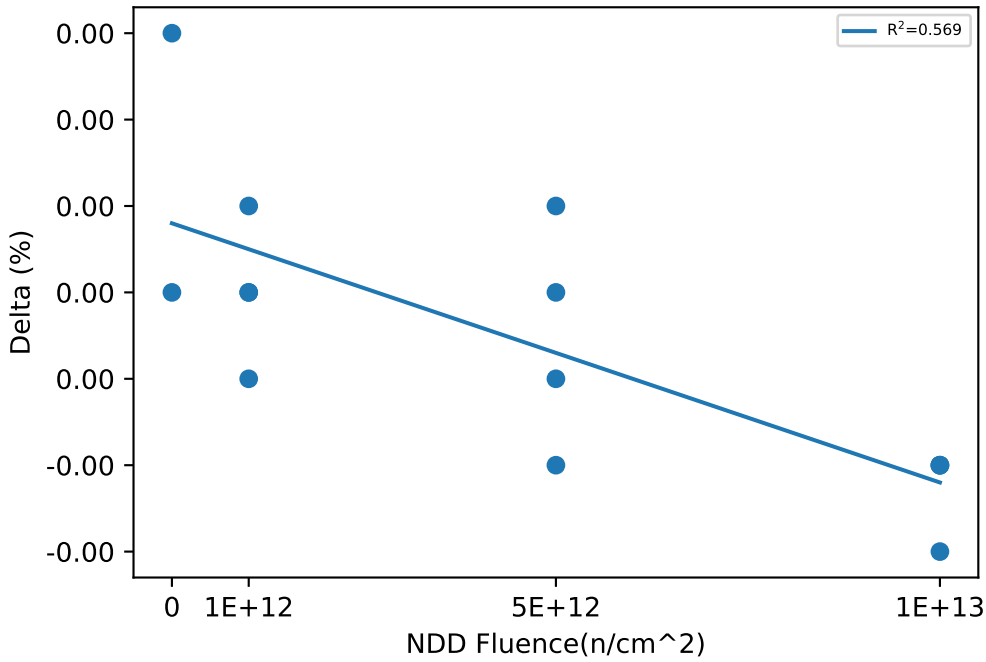
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	98.726	98.73	0.004
301	0	Correlation	98.729	98.73	0.001
353	1e+12	NDD Unbiased	98.733	98.735	0.002
354	1e+12	NDD Unbiased	98.732	98.732	0
355	1e+12	NDD Unbiased	98.726	98.727	0.001
356	1e+12	NDD Unbiased	98.713	98.714	0.001
357	5e+12	NDD Unbiased	98.728	98.729	0.001
358	5e+12	NDD Unbiased	98.714	98.716	0.002
359	5e+12	NDD Unbiased	98.707	98.706	-0.001
360	5e+12	NDD Unbiased	98.703	98.703	0
361	1e+13	NDD Unbiased	98.718	98.717	-0.001
362	1e+13	NDD Unbiased	98.713	98.712	-0.001
363	1e+13	NDD Unbiased	98.72	98.719	-0.001
364	1e+13	NDD Unbiased	98.728	98.726	-0.002

NDD vs Post - Pre Exposure Delta

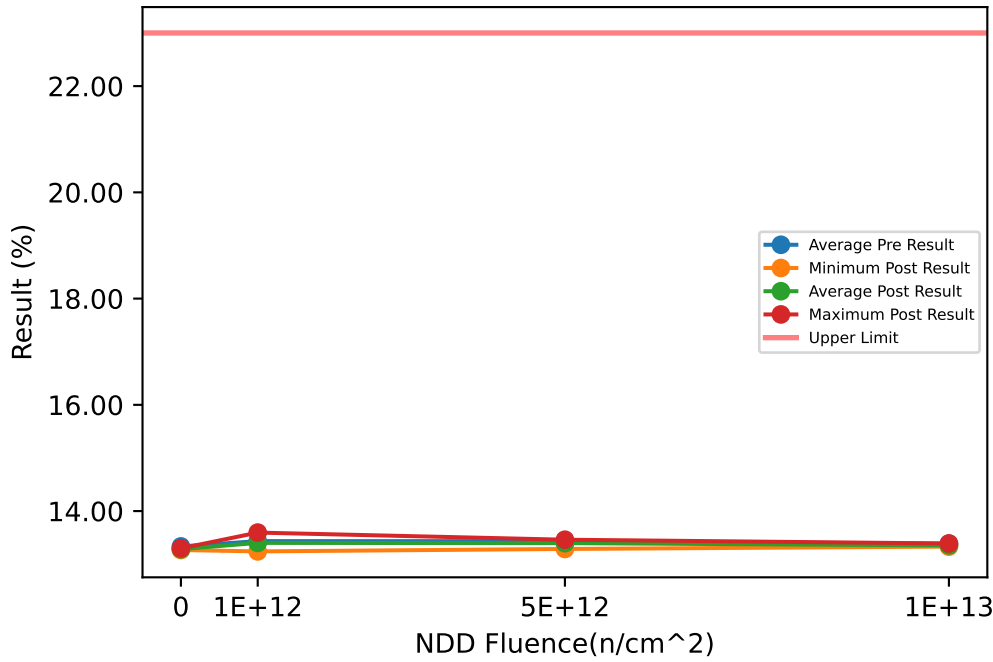


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	98.726	98.727	98.729	0.0021213	98.73	98.73	98.73	0	0.001	0.0025	0.004	0.0021213
1e+12	98.713	98.726	98.733	0.0092014	98.714	98.727	98.735	0.0092736	0	0.001	0.002	0.0008165
5e+12	98.703	98.713	98.728	0.010985	98.703	98.713	98.729	0.011733	-0.001	0.0005	0.002	0.001291
1e+13	98.713	98.72	98.728	0.0062383	98.712	98.719	98.726	0.0058023	-0.002	-0.00125	-0.001	0.0005

Device Test: 6.113; VOL_RESET_10MA

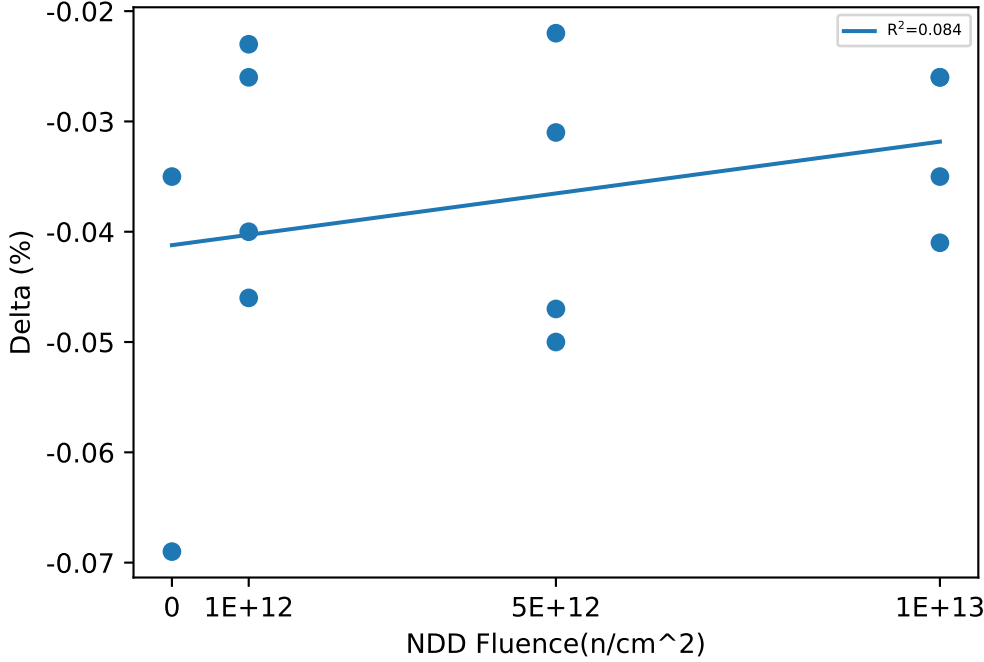
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	13.367	13.298	-0.069
301	0	Correlation	13.302	13.267	-0.035
353	1e+12	NDD Unbiased	13.287	13.241	-0.046
354	1e+12	NDD Unbiased	13.635	13.595	-0.04
355	1e+12	NDD Unbiased	13.443	13.417	-0.026
356	1e+12	NDD Unbiased	13.374	13.351	-0.023
357	5e+12	NDD Unbiased	13.337	13.287	-0.05
358	5e+12	NDD Unbiased	13.508	13.461	-0.047
359	5e+12	NDD Unbiased	13.488	13.457	-0.031
360	5e+12	NDD Unbiased	13.402	13.38	-0.022
361	1e+13	NDD Unbiased	13.397	13.356	-0.041
362	1e+13	NDD Unbiased	13.416	13.39	-0.026
363	1e+13	NDD Unbiased	13.366	13.331	-0.035
364	1e+13	NDD Unbiased	13.363	13.337	-0.026

NDD vs Post - Pre Exposure Delta

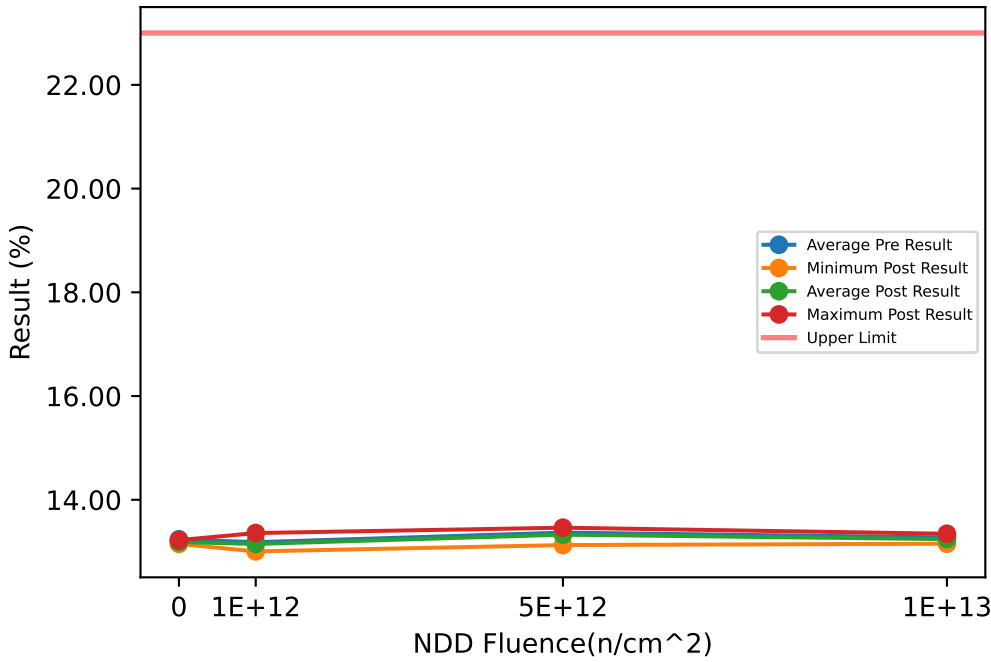


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.302	13.335	13.367	0.045962	13.267	13.282	13.298	0.02192	-0.069	-0.052	-0.035	0.024042
1e+12	13.287	13.435	13.635	0.14797	13.241	13.401	13.595	0.14831	-0.046	-0.03375	-0.023	0.011026
5e+12	13.337	13.434	13.508	0.079214	13.287	13.396	13.461	0.081818	-0.05	-0.0375	-0.022	0.013279
1e+13	13.363	13.386	13.416	0.025489	13.331	13.354	13.39	0.026564	-0.041	-0.032	-0.026	0.0073485

Device Test: 6.114; VOL_RESET_10MA

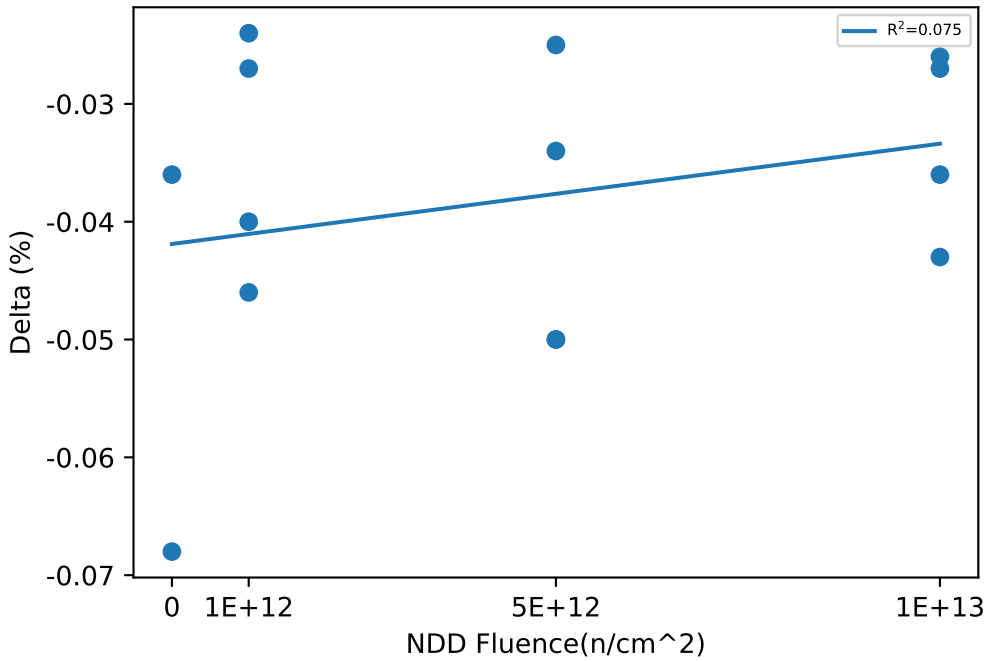
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	13.29	13.222	-0.068
301	0	Correlation	13.185	13.149	-0.036
353	1e+12	NDD Unbiased	13.051	13.005	-0.046
354	1e+12	NDD Unbiased	13.179	13.139	-0.04
355	1e+12	NDD Unbiased	13.117	13.09	-0.027
356	1e+12	NDD Unbiased	13.383	13.359	-0.024
357	5e+12	NDD Unbiased	13.177	13.127	-0.05
358	5e+12	NDD Unbiased	13.327	13.277	-0.05
359	5e+12	NDD Unbiased	13.496	13.462	-0.034
360	5e+12	NDD Unbiased	13.468	13.443	-0.025
361	1e+13	NDD Unbiased	13.388	13.345	-0.043
362	1e+13	NDD Unbiased	13.235	13.209	-0.026
363	1e+13	NDD Unbiased	13.294	13.258	-0.036
364	1e+13	NDD Unbiased	13.18	13.153	-0.027

NDD vs Post - Pre Exposure Delta

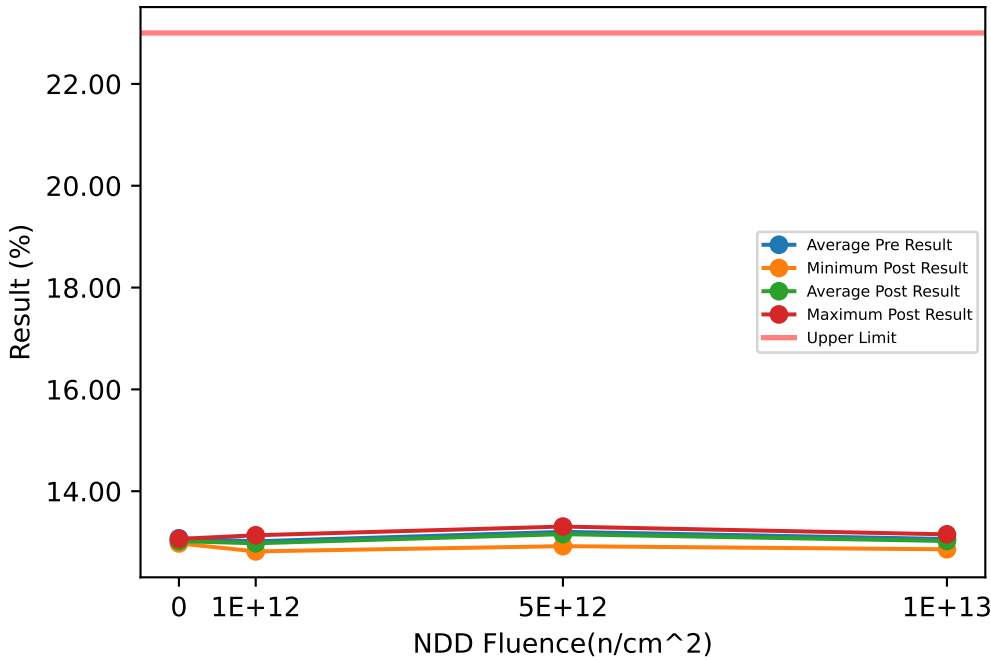


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.185	13.238	13.29	0.074246	13.149	13.185	13.222	0.051619	-0.068	-0.052	-0.036	0.022627
1e+12	13.051	13.183	13.383	0.14352	13.005	13.148	13.359	0.15101	-0.046	-0.03425	-0.024	0.010468
5e+12	13.177	13.367	13.496	0.14668	13.127	13.327	13.462	0.15725	-0.05	-0.03975	-0.025	0.012393
1e+13	13.18	13.274	13.388	0.088981	13.153	13.241	13.345	0.081389	-0.043	-0.033	-0.026	0.0080416

Device Test: 6.115; VOL_RESET_10MA

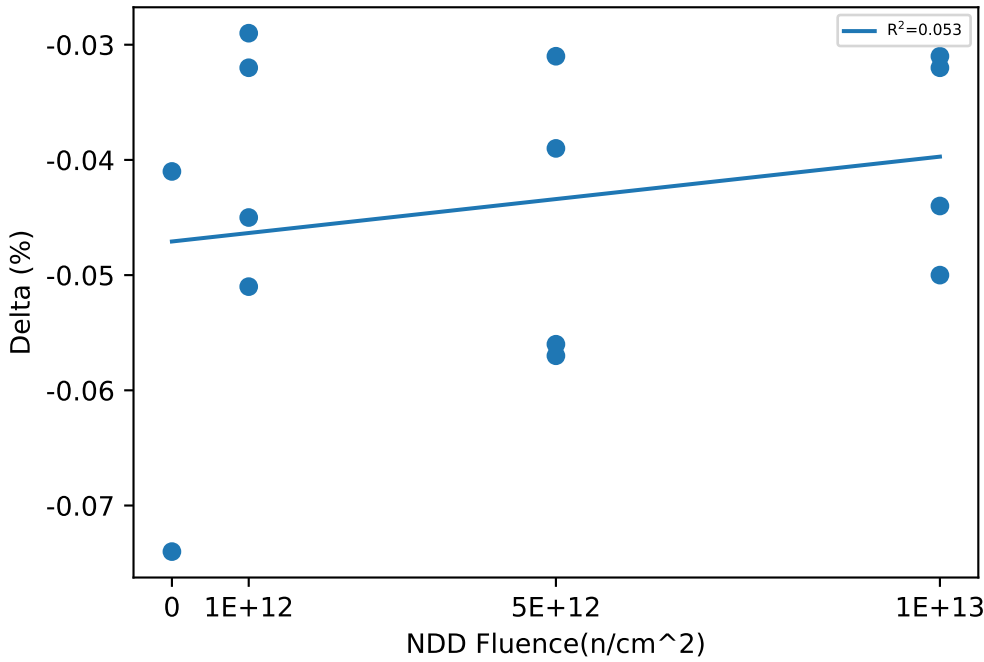
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	13.137	13.063	-0.074
301	0	Correlation	13.016	12.975	-0.041
353	1e+12	NDD Unbiased	12.869	12.818	-0.051
354	1e+12	NDD Unbiased	13.071	13.026	-0.045
355	1e+12	NDD Unbiased	12.962	12.93	-0.032
356	1e+12	NDD Unbiased	13.164	13.135	-0.029
357	5e+12	NDD Unbiased	12.978	12.921	-0.057
358	5e+12	NDD Unbiased	13.193	13.137	-0.056
359	5e+12	NDD Unbiased	13.345	13.306	-0.039
360	5e+12	NDD Unbiased	13.293	13.262	-0.031
361	1e+13	NDD Unbiased	13.203	13.153	-0.05
362	1e+13	NDD Unbiased	13	12.969	-0.031
363	1e+13	NDD Unbiased	13.15	13.106	-0.044
364	1e+13	NDD Unbiased	12.891	12.859	-0.032

NDD vs Post - Pre Exposure Delta

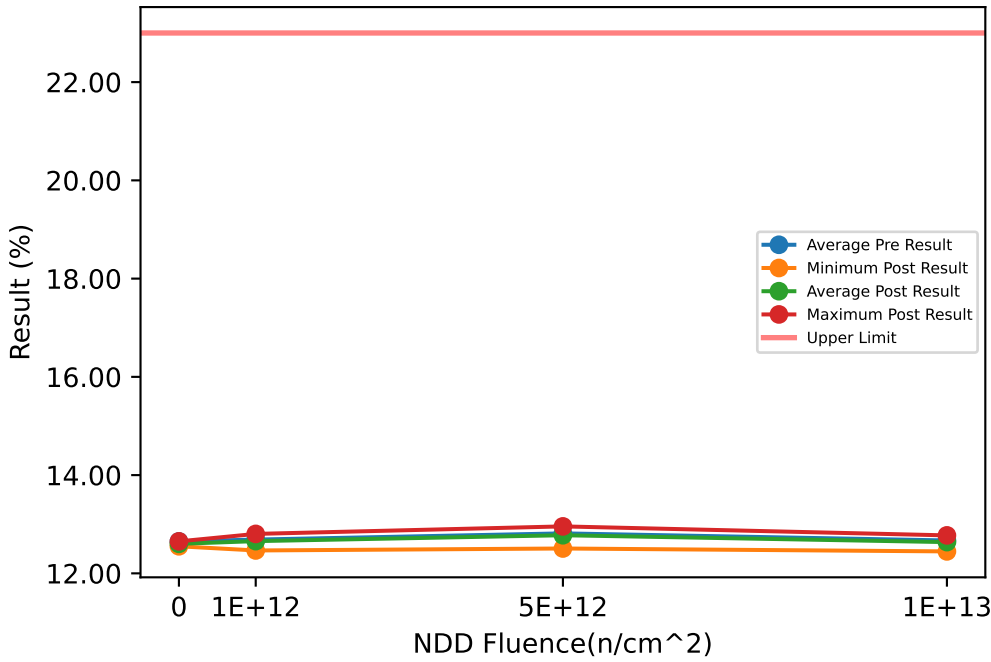


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.016	13.076	13.137	0.08556	12.975	13.019	13.063	0.062225	-0.074	-0.0575	-0.041	0.023335
1e+12	12.869	13.017	13.164	0.12839	12.818	12.977	13.135	0.13522	-0.051	-0.03925	-0.029	0.010468
5e+12	12.978	13.202	13.345	0.16226	12.921	13.156	13.306	0.17255	-0.057	-0.04575	-0.031	0.012842
1e+13	12.891	13.061	13.203	0.14225	12.859	13.022	13.153	0.13366	-0.05	-0.03925	-0.031	0.0092871

Device Test: 6.116; VOL_RESET_10MA

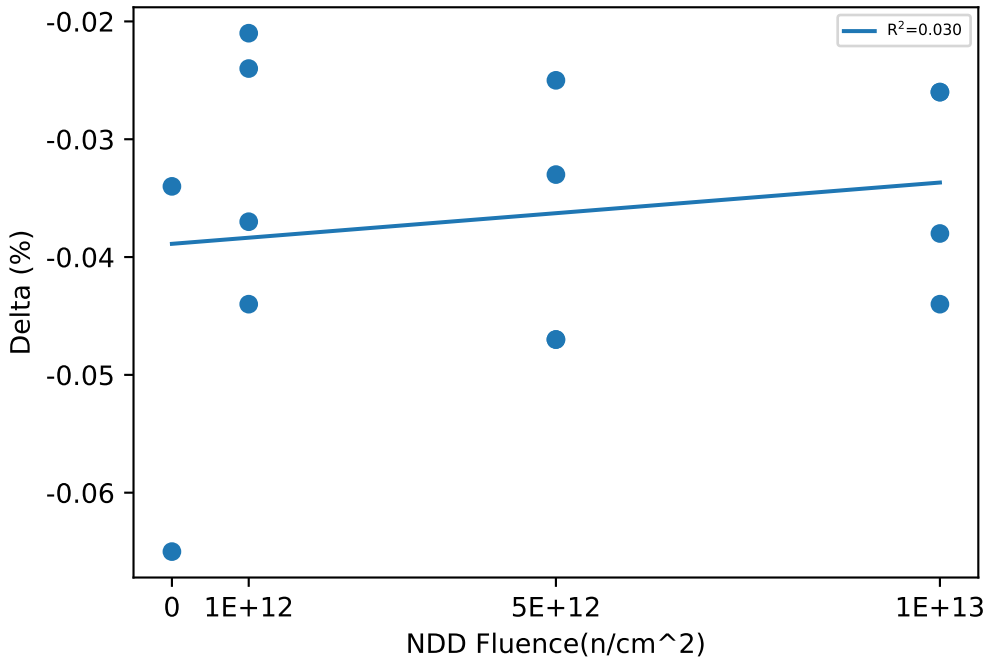
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.716	12.651	-0.065
301	0	Correlation	12.585	12.551	-0.034
353	1e+12	NDD Unbiased	12.51	12.466	-0.044
354	1e+12	NDD Unbiased	12.814	12.777	-0.037
355	1e+12	NDD Unbiased	12.602	12.578	-0.024
356	1e+12	NDD Unbiased	12.824	12.803	-0.021
357	5e+12	NDD Unbiased	12.553	12.506	-0.047
358	5e+12	NDD Unbiased	12.805	12.758	-0.047
359	5e+12	NDD Unbiased	12.989	12.956	-0.033
360	5e+12	NDD Unbiased	12.909	12.884	-0.025
361	1e+13	NDD Unbiased	12.817	12.773	-0.044
362	1e+13	NDD Unbiased	12.641	12.615	-0.026
363	1e+13	NDD Unbiased	12.748	12.71	-0.038
364	1e+13	NDD Unbiased	12.473	12.447	-0.026

NDD vs Post - Pre Exposure Delta

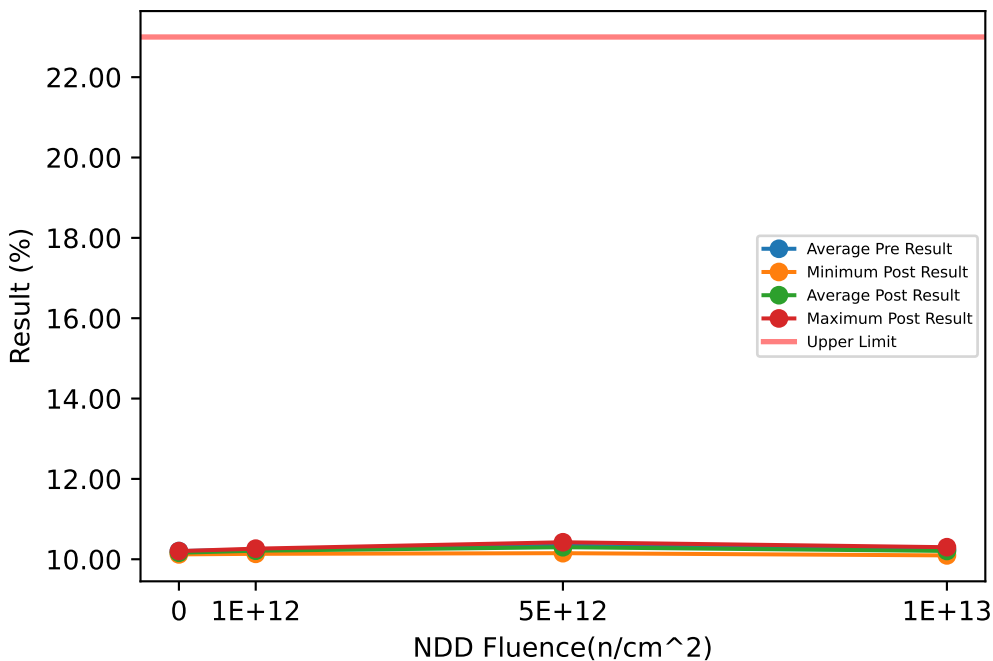


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.585	12.651	12.716	0.092631	12.551	12.601	12.651	0.070711	-0.065	-0.0495	-0.034	0.02192
1e+12	12.51	12.688	12.824	0.15647	12.466	12.656	12.803	0.16169	-0.044	-0.0315	-0.021	0.010847
5e+12	12.553	12.814	12.989	0.18961	12.506	12.776	12.956	0.19773	-0.047	-0.038	-0.025	0.010893
1e+13	12.473	12.67	12.817	0.14983	12.447	12.636	12.773	0.1419	-0.044	-0.0335	-0.026	0.009

Device Test: 6.117; VOL_WDO_10MA

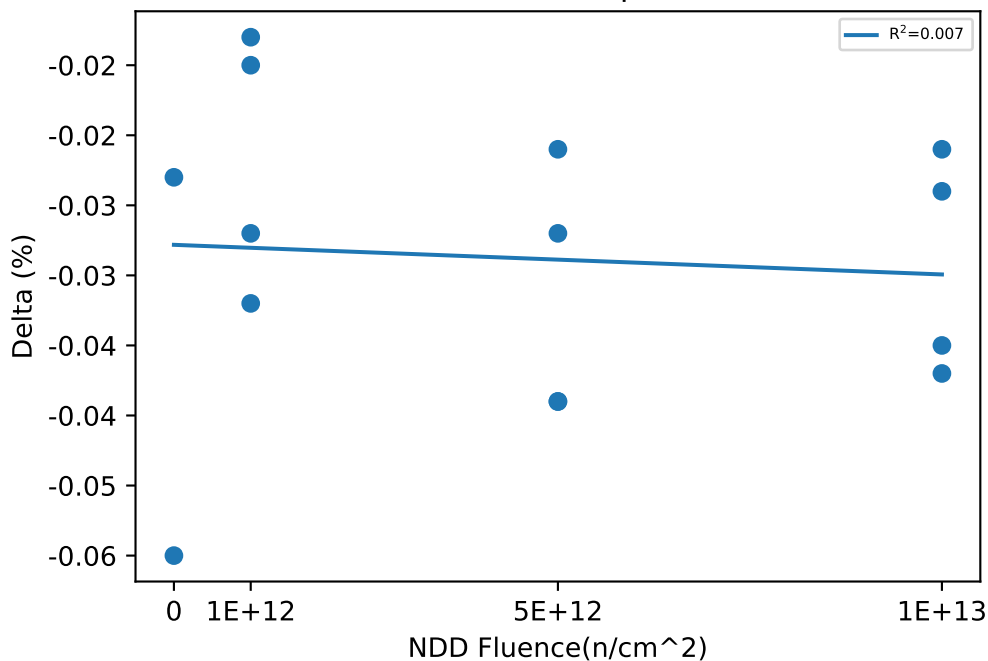
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	10.258	10.203	-0.055
301	0	Correlation	10.149	10.121	-0.028
353	1e+12	NDD Unbiased	10.172	10.135	-0.037
354	1e+12	NDD Unbiased	10.296	10.264	-0.032
355	1e+12	NDD Unbiased	10.24	10.22	-0.02
356	1e+12	NDD Unbiased	10.251	10.233	-0.018
357	5e+12	NDD Unbiased	10.195	10.151	-0.044
358	5e+12	NDD Unbiased	10.253	10.209	-0.044
359	5e+12	NDD Unbiased	10.446	10.414	-0.032
360	5e+12	NDD Unbiased	10.449	10.423	-0.026
361	1e+13	NDD Unbiased	10.275	10.235	-0.04
362	1e+13	NDD Unbiased	10.329	10.3	-0.029
363	1e+13	NDD Unbiased	10.237	10.195	-0.042
364	1e+13	NDD Unbiased	10.122	10.096	-0.026

NDD vs Post - Pre Exposure Delta

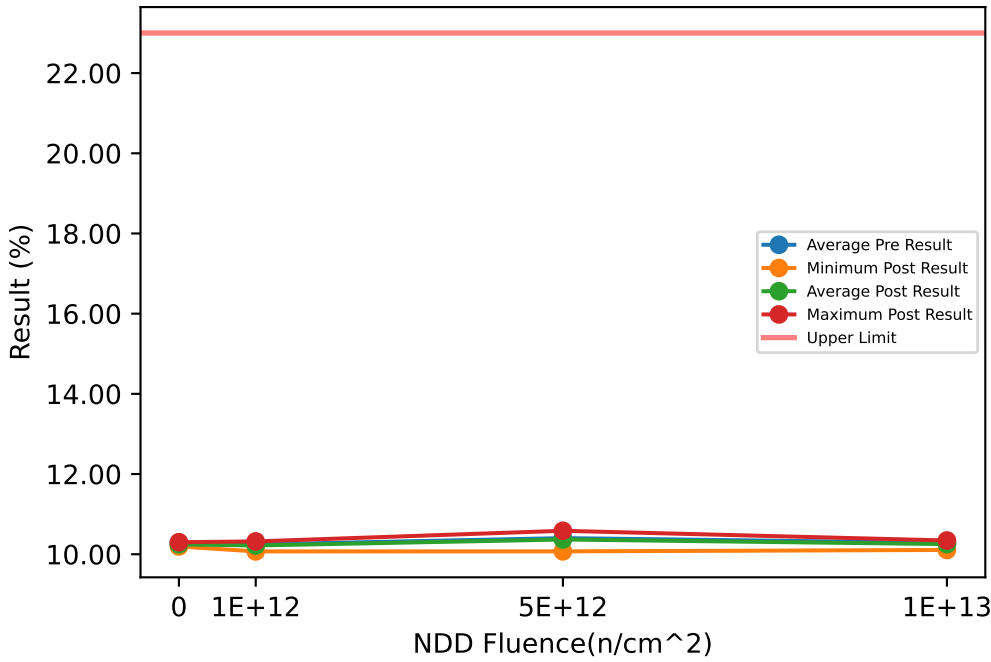


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.149	10.203	10.258	0.077075	10.121	10.162	10.203	0.057983	-0.055	-0.0415	-0.028	0.019092
1e+12	10.172	10.24	10.296	0.051253	10.135	10.213	10.264	0.055178	-0.037	-0.02675	-0.018	0.009215
5e+12	10.195	10.336	10.449	0.1312	10.151	10.299	10.423	0.13977	-0.044	-0.0365	-0.026	0.009
1e+13	10.122	10.241	10.329	0.087705	10.096	10.207	10.3	0.085434	-0.042	-0.03425	-0.026	0.007932

Device Test: 6.118; VOL_PWRGD_10MA

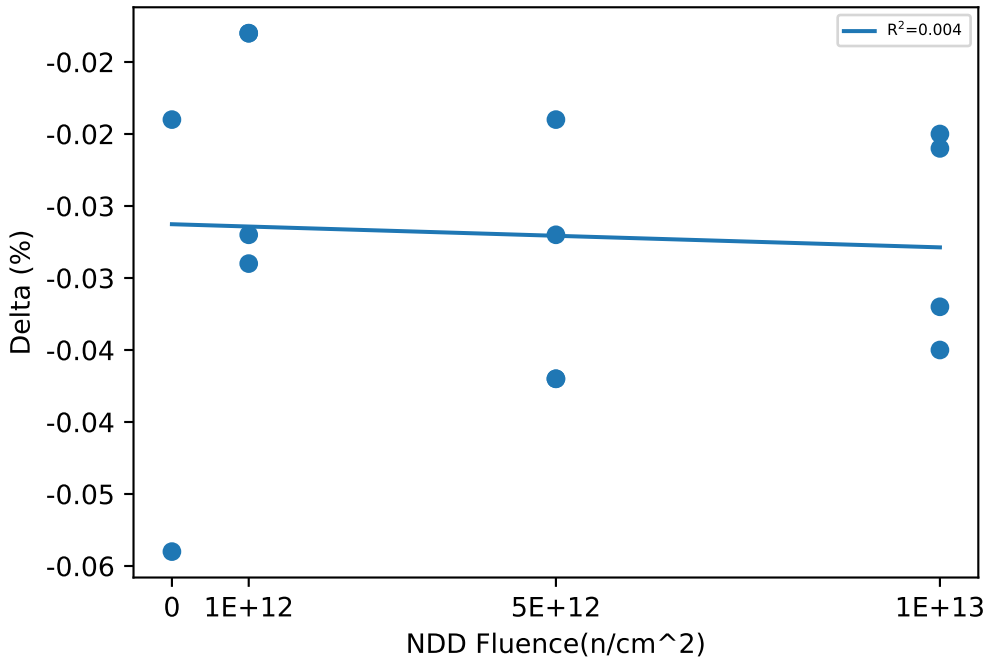
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	10.354	10.3	-0.054
301	0	Correlation	10.218	10.194	-0.024
353	1e+12	NDD Unbiased	10.105	10.071	-0.034
354	1e+12	NDD Unbiased	10.28	10.248	-0.032
355	1e+12	NDD Unbiased	10.252	10.234	-0.018
356	1e+12	NDD Unbiased	10.338	10.32	-0.018
357	5e+12	NDD Unbiased	10.114	10.072	-0.042
358	5e+12	NDD Unbiased	10.336	10.294	-0.042
359	5e+12	NDD Unbiased	10.55	10.518	-0.032
360	5e+12	NDD Unbiased	10.609	10.585	-0.024
361	1e+13	NDD Unbiased	10.349	10.309	-0.04
362	1e+13	NDD Unbiased	10.369	10.343	-0.026
363	1e+13	NDD Unbiased	10.289	10.252	-0.037
364	1e+13	NDD Unbiased	10.132	10.107	-0.025

NDD vs Post - Pre Exposure Delta

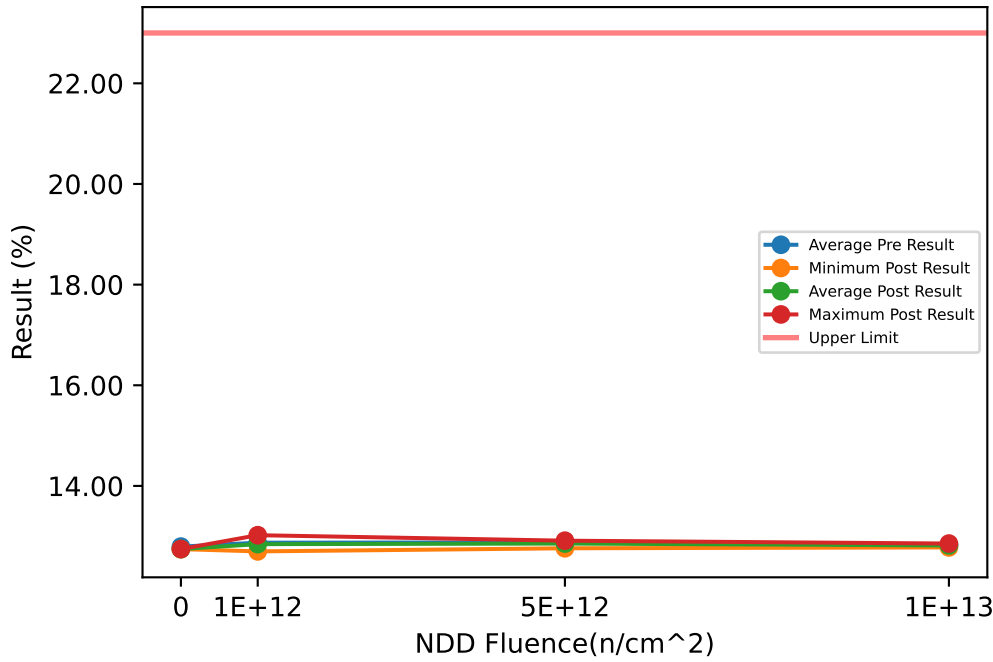


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	10.218	10.286	10.354	0.096167	10.194	10.247	10.3	0.074953	-0.054	-0.039	-0.024	0.021213
1e+12	10.105	10.244	10.338	0.099191	10.071	10.218	10.32	0.10515	-0.034	-0.0255	-0.018	0.0086987
5e+12	10.114	10.402	10.609	0.22513	10.072	10.367	10.585	0.23287	-0.042	-0.035	-0.024	0.0087178
1e+13	10.132	10.285	10.369	0.10736	10.107	10.253	10.343	0.10417	-0.04	-0.032	-0.025	0.0076158

Device Test: 6.119; VOL_RESET_10MA

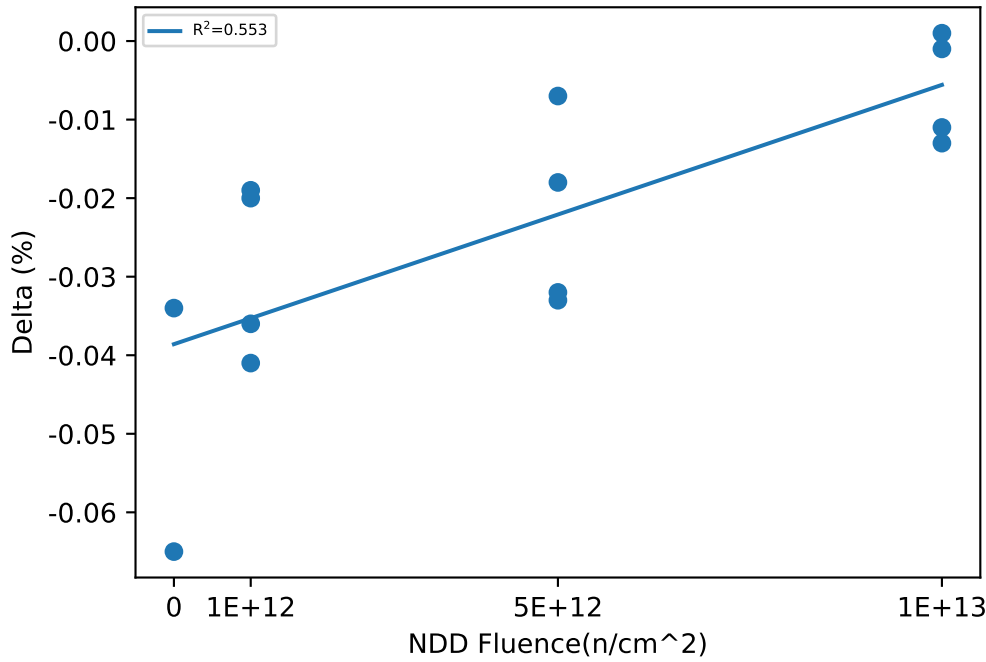
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.809	12.744	-0.065
301	0	Correlation	12.78	12.746	-0.034
353	1e+12	NDD Unbiased	12.74	12.699	-0.041
354	1e+12	NDD Unbiased	13.057	13.021	-0.036
355	1e+12	NDD Unbiased	12.86	12.84	-0.02
356	1e+12	NDD Unbiased	12.831	12.812	-0.019
357	5e+12	NDD Unbiased	12.793	12.761	-0.032
358	5e+12	NDD Unbiased	12.945	12.912	-0.033
359	5e+12	NDD Unbiased	12.919	12.901	-0.018
360	5e+12	NDD Unbiased	12.853	12.846	-0.007
361	1e+13	NDD Unbiased	12.831	12.818	-0.013
362	1e+13	NDD Unbiased	12.856	12.855	-0.001
363	1e+13	NDD Unbiased	12.789	12.778	-0.011
364	1e+13	NDD Unbiased	12.817	12.818	0.001

NDD vs Post - Pre Exposure Delta

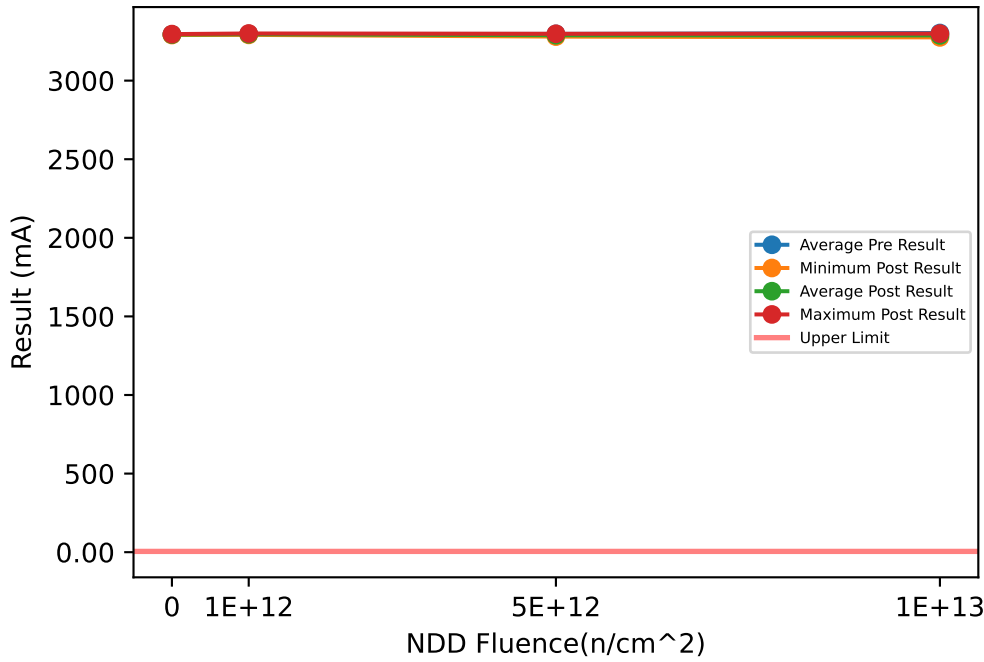


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.78	12.794	12.809	0.020506	12.744	12.745	12.746	0.0014142	-0.065	-0.0495	-0.034	0.02192
1e+12	12.74	12.872	13.057	0.13351	12.699	12.843	13.021	0.1334	-0.041	-0.029	-0.019	0.011165
5e+12	12.793	12.877	12.945	0.068359	12.761	12.855	12.912	0.068998	-0.033	-0.0225	-0.007	0.012396
1e+13	12.789	12.823	12.856	0.027957	12.778	12.817	12.855	0.031447	-0.013	-0.006	0.001	0.0070238

Device Test: 6.12 ; VLDO_I_MAX

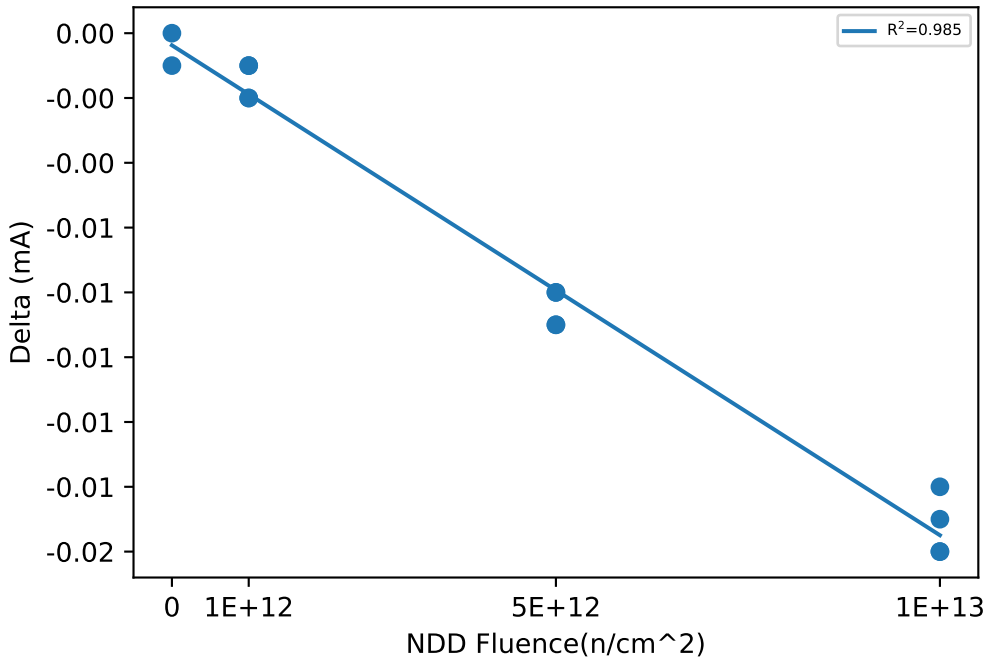
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (mA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3296	3296	0
301	0	Correlation	3291	3290	-0.001
353	1e+12	NDD Unbiased	3294	3293	-0.001
354	1e+12	NDD Unbiased	3301	3300	-0.001
355	1e+12	NDD Unbiased	3298	3296	-0.002
356	1e+12	NDD Unbiased	3293	3291	-0.002
357	5e+12	NDD Unbiased	3289	3280	-0.009
358	5e+12	NDD Unbiased	3294	3286	-0.008
359	5e+12	NDD Unbiased	3306	3298	-0.008
360	5e+12	NDD Unbiased	3300	3291	-0.009
361	1e+13	NDD Unbiased	3309	3293	-0.016
362	1e+13	NDD Unbiased	3298	3284	-0.014
363	1e+13	NDD Unbiased	3314	3299	-0.015
364	1e+13	NDD Unbiased	3291	3275	-0.016

NDD vs Post - Pre Exposure Delta

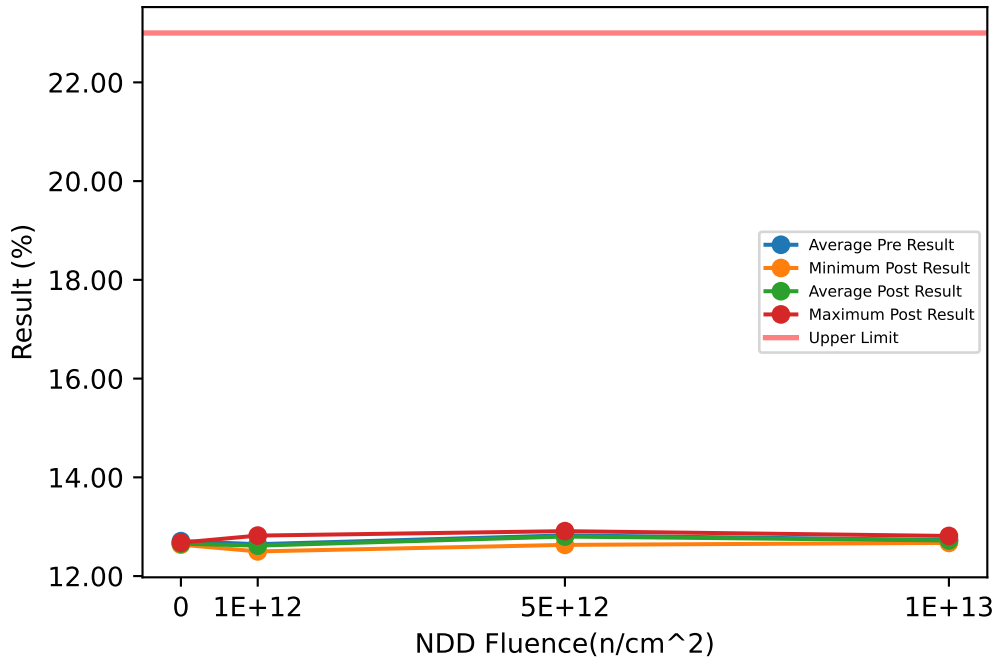


Test Statistics (mA)

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	3291	3293.5	3296	3.5355	3290	3293	3296	4.2426	-0.001	-0.0005	0	0.00070711
1e+12	3293	3296.5	3301	3.6968	3291	3295	3300	3.9158	-0.002	-0.0015	-0.001	0.00057735
5e+12	3289	3297.2	3306	7.3655	3280	3288.8	3298	7.6322	-0.009	-0.0085	-0.008	0.00057735
1e+13	3291	3303	3314	10.424	3275	3287.8	3299	10.5	-0.016	-0.01525	-0.014	0.00095743

Device Test: 6.120; VOL_RESET_10MA

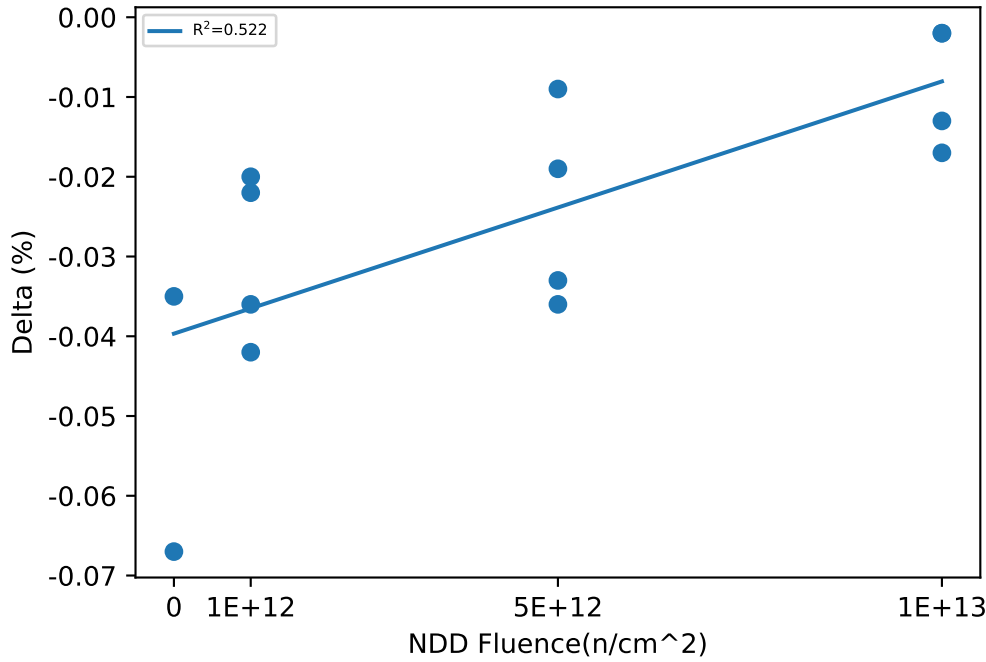
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.745	12.678	-0.067
301	0	Correlation	12.671	12.636	-0.035
353	1e+12	NDD Unbiased	12.542	12.5	-0.042
354	1e+12	NDD Unbiased	12.631	12.595	-0.036
355	1e+12	NDD Unbiased	12.571	12.549	-0.022
356	1e+12	NDD Unbiased	12.84	12.82	-0.02
357	5e+12	NDD Unbiased	12.665	12.632	-0.033
358	5e+12	NDD Unbiased	12.798	12.762	-0.036
359	5e+12	NDD Unbiased	12.929	12.91	-0.019
360	5e+12	NDD Unbiased	12.905	12.896	-0.009
361	1e+13	NDD Unbiased	12.83	12.813	-0.017
362	1e+13	NDD Unbiased	12.687	12.685	-0.002
363	1e+13	NDD Unbiased	12.729	12.716	-0.013
364	1e+13	NDD Unbiased	12.674	12.672	-0.002

NDD vs Post - Pre Exposure Delta

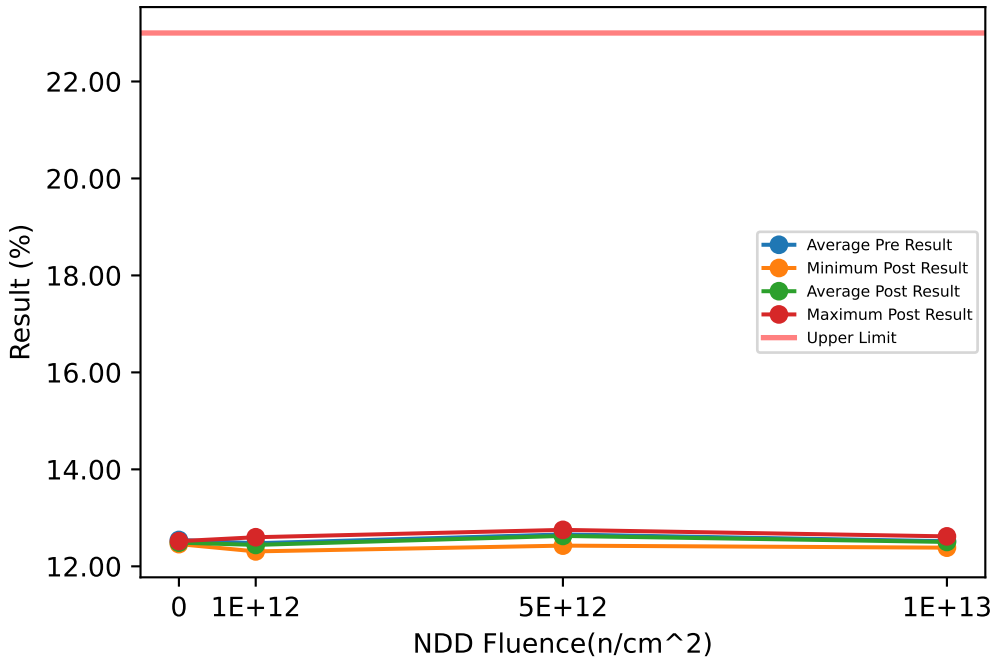


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.671	12.708	12.745	0.052326	12.636	12.657	12.678	0.029698	-0.067	-0.051	-0.035	0.022627
1e+12	12.542	12.646	12.84	0.13454	12.5	12.616	12.82	0.14142	-0.042	-0.03	-0.02	0.010708
5e+12	12.665	12.824	12.929	0.12048	12.632	12.8	12.91	0.13036	-0.036	-0.02425	-0.009	0.01258
1e+13	12.674	12.73	12.83	0.070678	12.672	12.722	12.813	0.063731	-0.017	-0.0085	-0.002	0.0076811

Device Test: 6.121; VOL_RESET_10MA

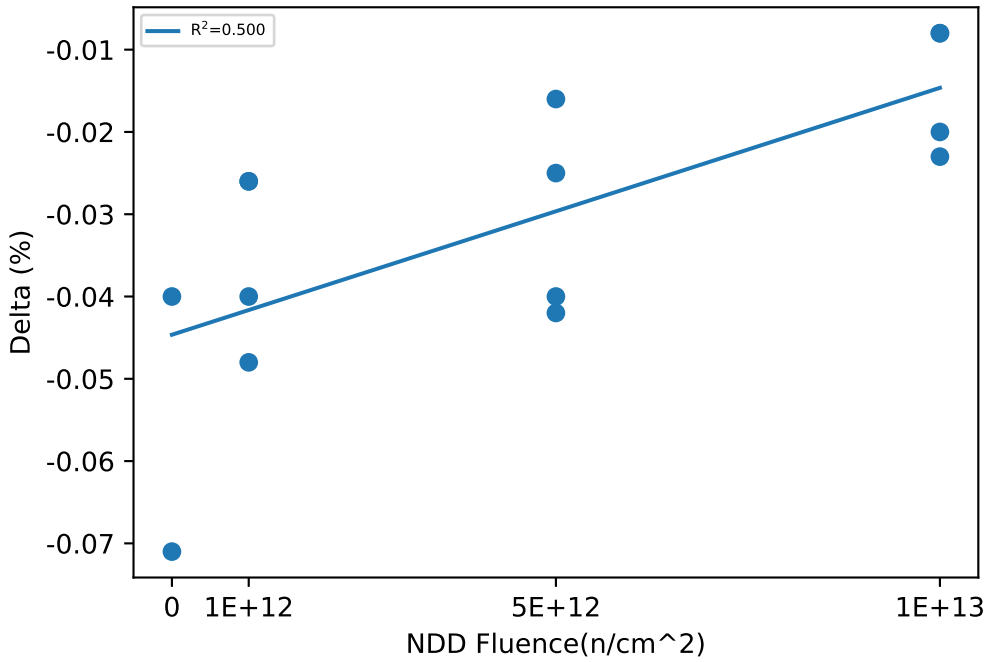
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.59	12.519	-0.071
301	0	Correlation	12.498	12.458	-0.04
353	1e+12	NDD Unbiased	12.356	12.308	-0.048
354	1e+12	NDD Unbiased	12.515	12.475	-0.04
355	1e+12	NDD Unbiased	12.409	12.383	-0.026
356	1e+12	NDD Unbiased	12.626	12.6	-0.026
357	5e+12	NDD Unbiased	12.467	12.427	-0.04
358	5e+12	NDD Unbiased	12.656	12.614	-0.042
359	5e+12	NDD Unbiased	12.777	12.752	-0.025
360	5e+12	NDD Unbiased	12.731	12.715	-0.016
361	1e+13	NDD Unbiased	12.641	12.618	-0.023
362	1e+13	NDD Unbiased	12.458	12.45	-0.008
363	1e+13	NDD Unbiased	12.579	12.559	-0.02
364	1e+13	NDD Unbiased	12.393	12.385	-0.008

NDD vs Post - Pre Exposure Delta

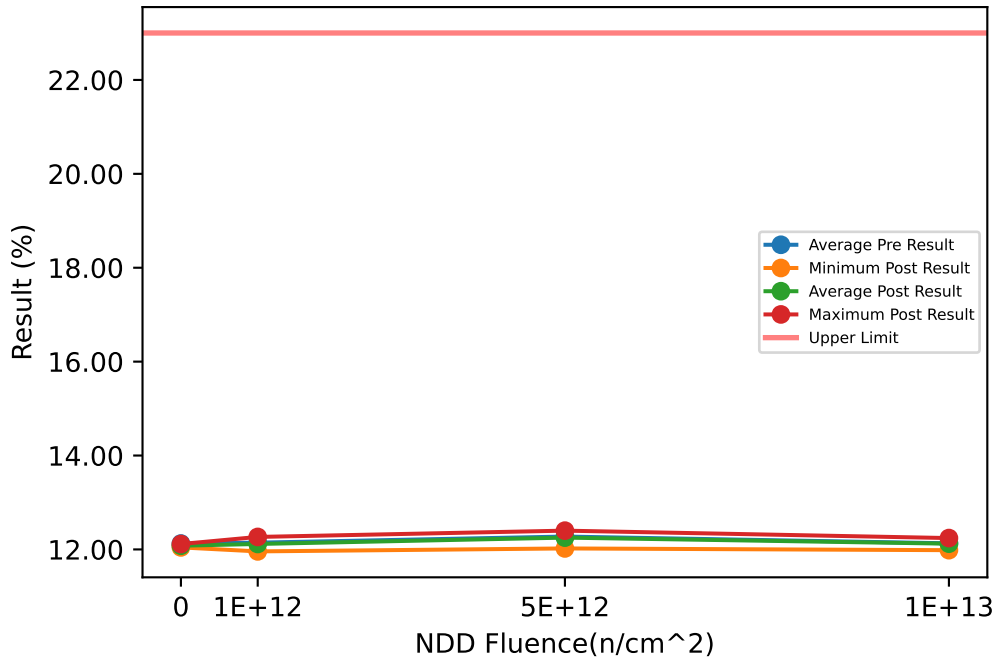


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.498	12.544	12.59	0.065054	12.458	12.489	12.519	0.043134	-0.071	-0.0555	-0.04	0.02192
1e+12	12.356	12.476	12.626	0.1196	12.308	12.441	12.6	0.12582	-0.048	-0.035	-0.026	0.010893
5e+12	12.467	12.658	12.777	0.1366	12.427	12.627	12.752	0.14553	-0.042	-0.03075	-0.016	0.01242
1e+13	12.393	12.518	12.641	0.11266	12.385	12.503	12.618	0.10503	-0.023	-0.01475	-0.008	0.0078899

Device Test: 6.122; VOL_RESET_10MA

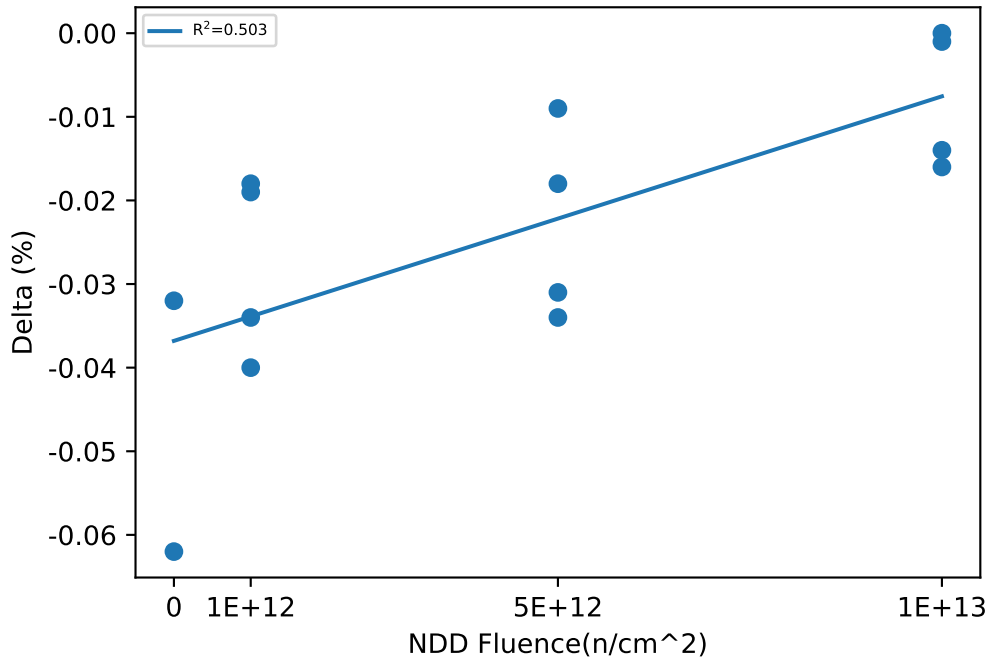
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	12.177	12.115	-0.062
301	0	Correlation	12.075	12.043	-0.032
353	1e+12	NDD Unbiased	11.998	11.958	-0.04
354	1e+12	NDD Unbiased	12.246	12.212	-0.034
355	1e+12	NDD Unbiased	12.048	12.029	-0.019
356	1e+12	NDD Unbiased	12.284	12.266	-0.018
357	5e+12	NDD Unbiased	12.052	12.021	-0.031
358	5e+12	NDD Unbiased	12.273	12.239	-0.034
359	5e+12	NDD Unbiased	12.418	12.4	-0.018
360	5e+12	NDD Unbiased	12.354	12.345	-0.009
361	1e+13	NDD Unbiased	12.258	12.242	-0.016
362	1e+13	NDD Unbiased	12.098	12.098	0
363	1e+13	NDD Unbiased	12.18	12.166	-0.014
364	1e+13	NDD Unbiased	11.985	11.984	-0.001

NDD vs Post - Pre Exposure Delta

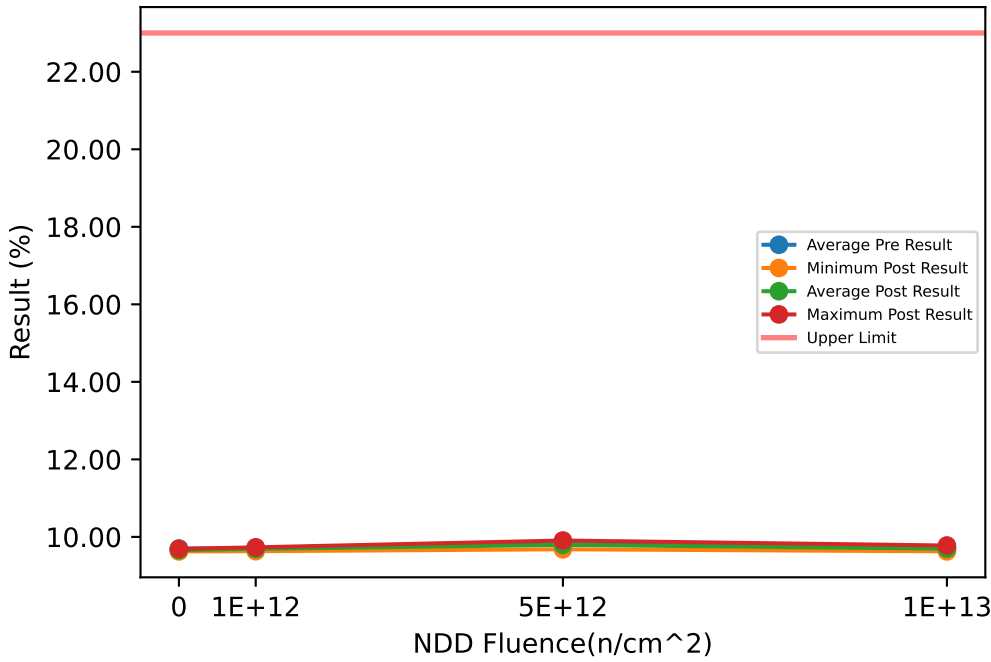


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.075	12.126	12.177	0.072125	12.043	12.079	12.115	0.050912	-0.062	-0.047	-0.032	0.021213
1e+12	11.998	12.144	12.284	0.14205	11.958	12.116	12.266	0.14634	-0.04	-0.02775	-0.018	0.010966
5e+12	12.052	12.274	12.418	0.1596	12.021	12.251	12.4	0.16741	-0.034	-0.023	-0.009	0.011633
1e+13	11.985	12.13	12.258	0.11681	11.984	12.123	12.242	0.10948	-0.016	-0.00775	0	0.0084212

Device Test: 6.123; VOL_WDO_10MA

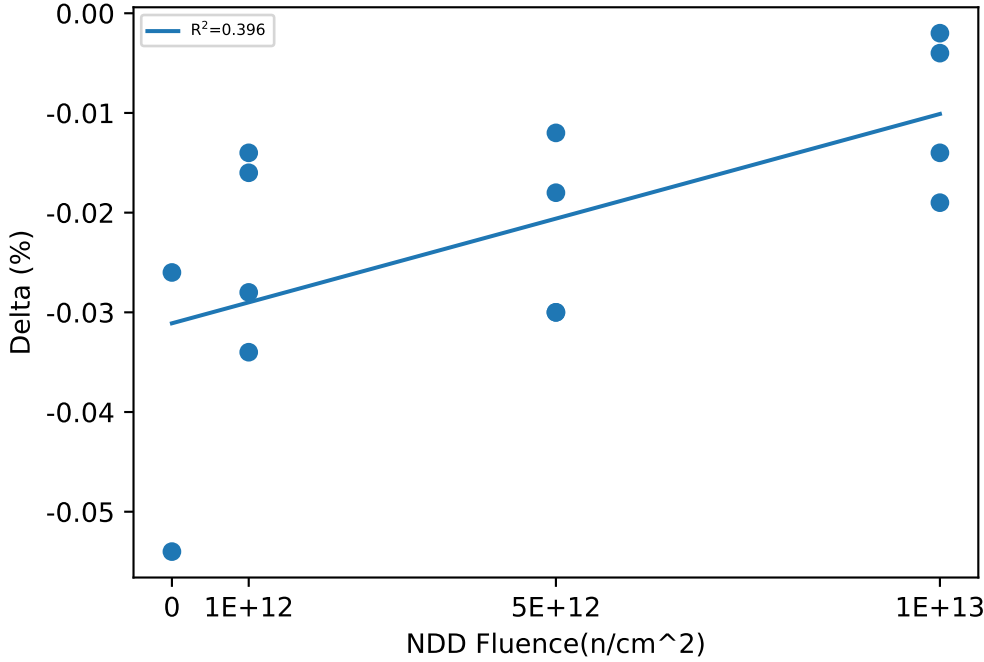
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	9.745	9.691	-0.054
301	0	Correlation	9.652	9.626	-0.026
353	1e+12	NDD Unbiased	9.665	9.631	-0.034
354	1e+12	NDD Unbiased	9.759	9.731	-0.028
355	1e+12	NDD Unbiased	9.692	9.676	-0.016
356	1e+12	NDD Unbiased	9.739	9.725	-0.014
357	5e+12	NDD Unbiased	9.71	9.68	-0.03
358	5e+12	NDD Unbiased	9.74	9.71	-0.03
359	5e+12	NDD Unbiased	9.898	9.88	-0.018
360	5e+12	NDD Unbiased	9.919	9.907	-0.012
361	1e+13	NDD Unbiased	9.733	9.719	-0.014
362	1e+13	NDD Unbiased	9.782	9.778	-0.004
363	1e+13	NDD Unbiased	9.679	9.66	-0.019
364	1e+13	NDD Unbiased	9.629	9.627	-0.002

NDD vs Post - Pre Exposure Delta

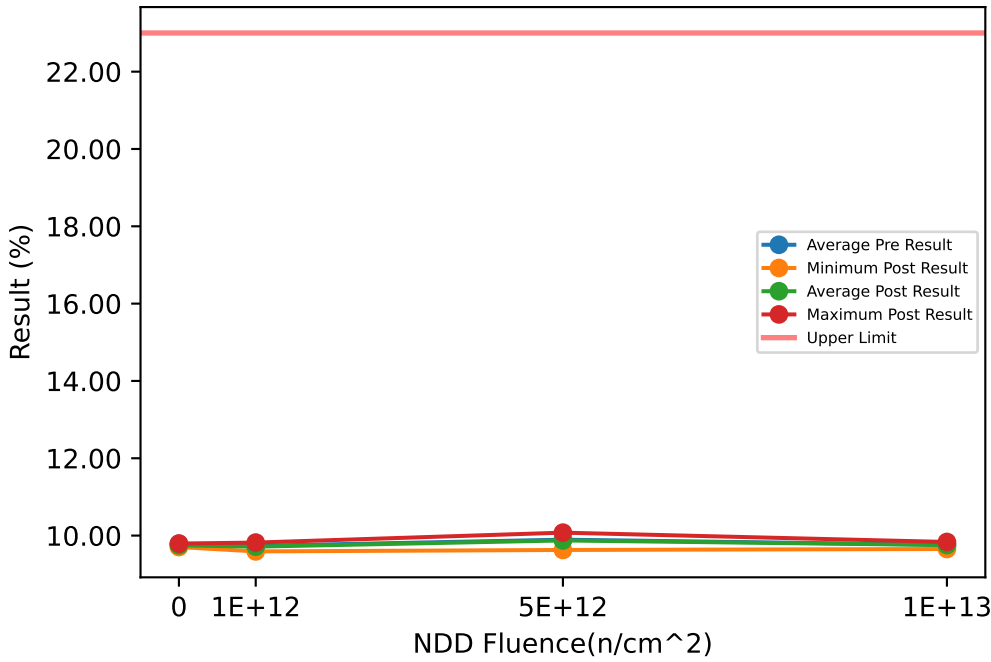


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.652	9.6985	9.745	0.065761	9.626	9.6585	9.691	0.045962	-0.054	-0.04	-0.026	0.019799
1e+12	9.665	9.7138	9.759	0.042952	9.631	9.6907	9.731	0.046836	-0.034	-0.023	-0.014	0.0095917
5e+12	9.71	9.8168	9.919	0.10699	9.68	9.7942	9.907	0.11578	-0.03	-0.0225	-0.012	0.009
1e+13	9.629	9.7058	9.782	0.066239	9.627	9.696	9.778	0.066608	-0.019	-0.00975	-0.002	0.0080984

Device Test: 6.124; VOL_PWRGD_10MA

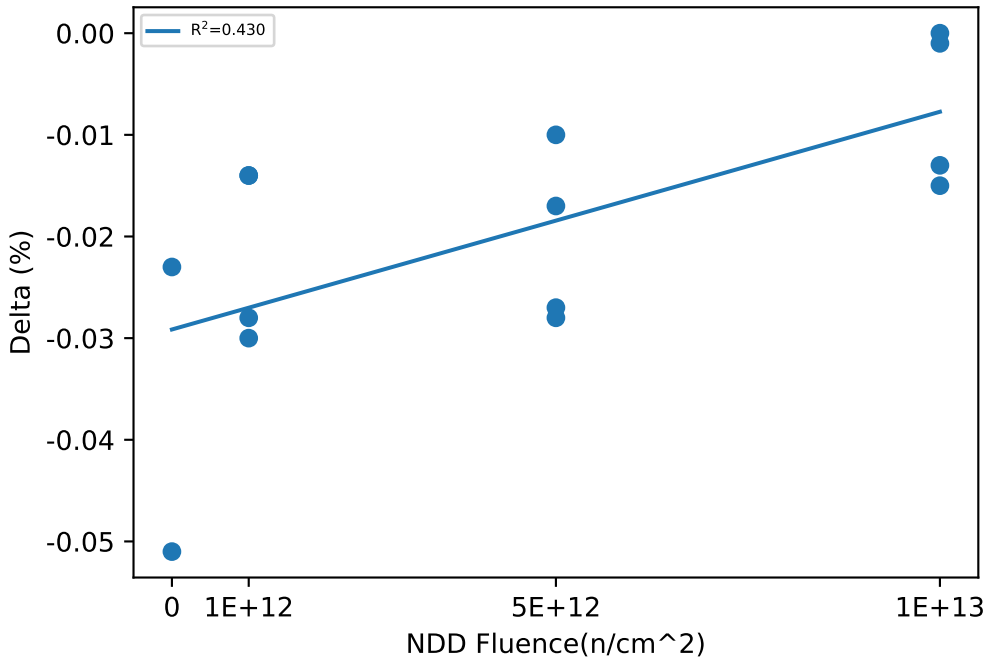
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	9.845	9.794	-0.051
301	0	Correlation	9.727	9.704	-0.023
353	1e+12	NDD Unbiased	9.621	9.591	-0.03
354	1e+12	NDD Unbiased	9.762	9.734	-0.028
355	1e+12	NDD Unbiased	9.724	9.71	-0.014
356	1e+12	NDD Unbiased	9.833	9.819	-0.014
357	5e+12	NDD Unbiased	9.655	9.628	-0.027
358	5e+12	NDD Unbiased	9.83	9.802	-0.028
359	5e+12	NDD Unbiased	10.007	9.99	-0.017
360	5e+12	NDD Unbiased	10.086	10.076	-0.01
361	1e+13	NDD Unbiased	9.815	9.802	-0.013
362	1e+13	NDD Unbiased	9.836	9.835	-0.001
363	1e+13	NDD Unbiased	9.743	9.728	-0.015
364	1e+13	NDD Unbiased	9.653	9.653	0

NDD vs Post - Pre Exposure Delta

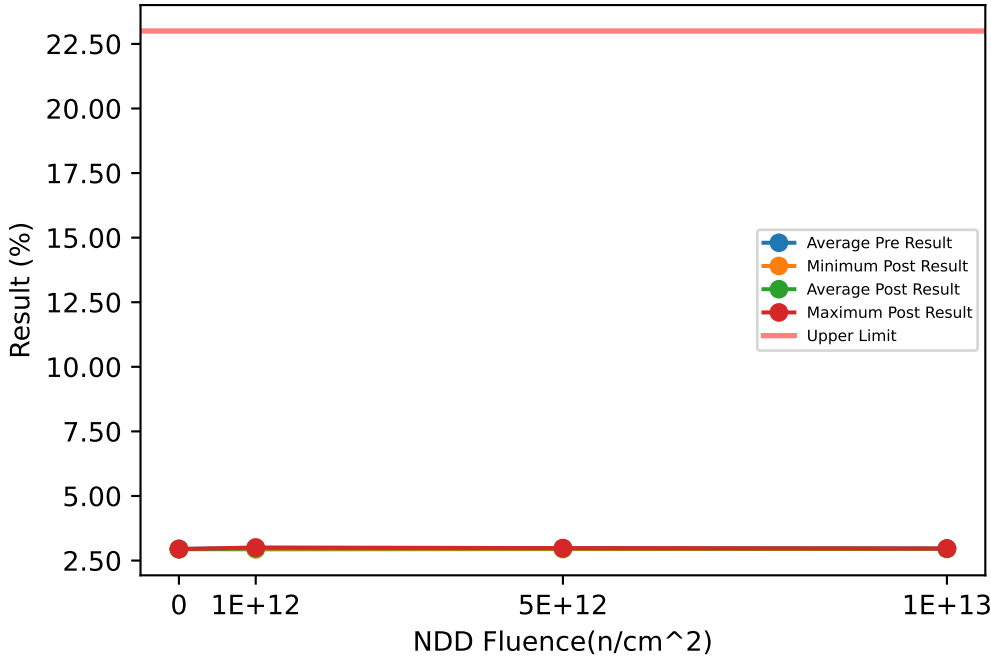


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.727	9.786	9.845	0.083439	9.704	9.749	9.794	0.06364	-0.051	-0.037	-0.023	0.019799
1e+12	9.621	9.735	9.833	0.088412	9.591	9.7135	9.819	0.094108	-0.03	-0.0215	-0.014	0.0086987
5e+12	9.655	9.8945	10.086	0.19222	9.628	9.874	10.076	0.19997	-0.028	-0.0205	-0.01	0.0085829
1e+13	9.653	9.7617	9.836	0.082718	9.653	9.7545	9.835	0.081119	-0.015	-0.00725	0	0.0078475

Device Test: 6.125; VOL_RESET_10MA

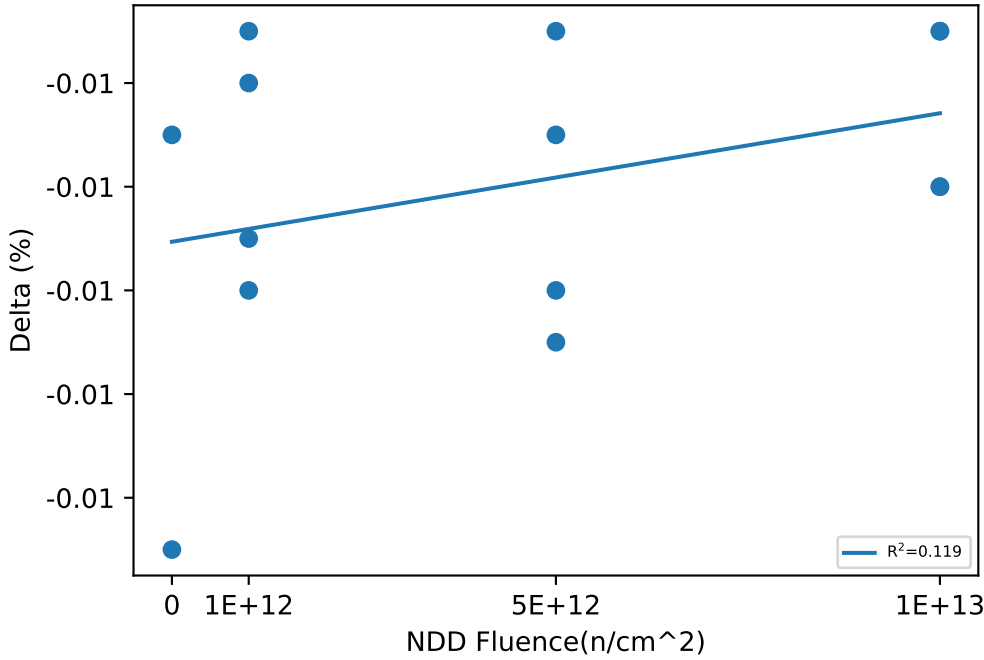
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.96	2.945	-0.015
301	0	Correlation	2.946	2.939	-0.007
353	1e+12	NDD Unbiased	2.942	2.932	-0.01
354	1e+12	NDD Unbiased	3.016	3.007	-0.009
355	1e+12	NDD Unbiased	2.976	2.97	-0.006
356	1e+12	NDD Unbiased	2.962	2.957	-0.005
357	5e+12	NDD Unbiased	2.954	2.943	-0.011
358	5e+12	NDD Unbiased	2.992	2.982	-0.01
359	5e+12	NDD Unbiased	2.988	2.981	-0.007
360	5e+12	NDD Unbiased	2.971	2.966	-0.005
361	1e+13	NDD Unbiased	2.969	2.961	-0.008
362	1e+13	NDD Unbiased	2.97	2.965	-0.005
363	1e+13	NDD Unbiased	2.963	2.955	-0.008
364	1e+13	NDD Unbiased	2.958	2.953	-0.005

NDD vs Post - Pre Exposure Delta

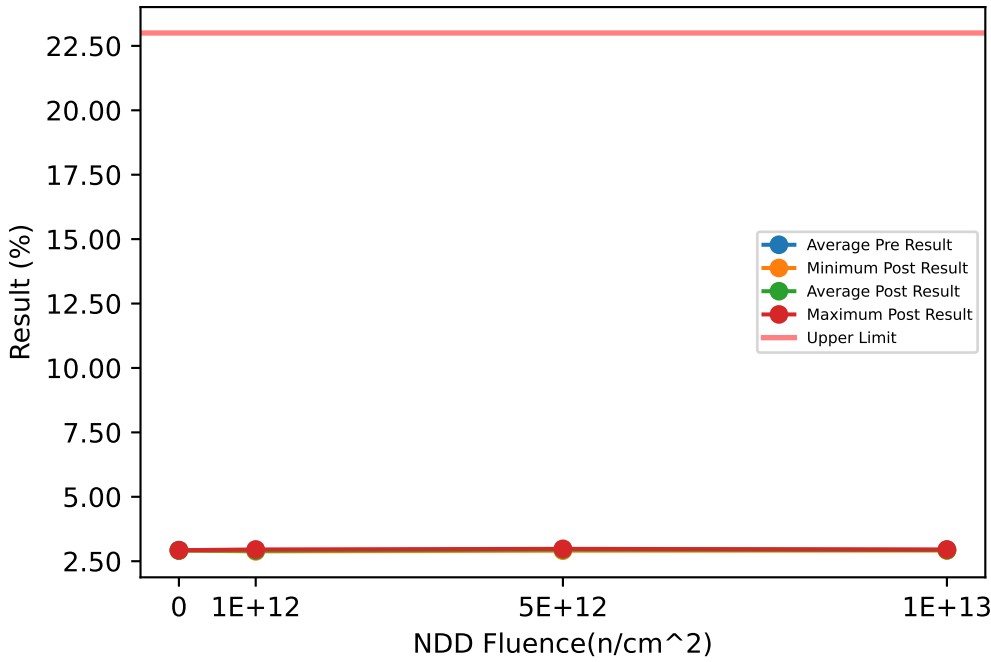


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.946	2.953	2.96	0.0098995	2.939	2.942	2.945	0.0042426	-0.015	-0.011	-0.007	0.0056569
1e+12	2.942	2.974	3.016	0.031284	2.932	2.9665	3.007	0.031268	-0.01	-0.0075	-0.005	0.0023805
5e+12	2.954	2.9763	2.992	0.017405	2.943	2.968	2.982	0.018203	-0.011	-0.00825	-0.005	0.0027538
1e+13	2.958	2.965	2.97	0.0055976	2.953	2.9585	2.965	0.0055076	-0.008	-0.0065	-0.005	0.0017321

Device Test: 6.126; VOL_RESET_10MA

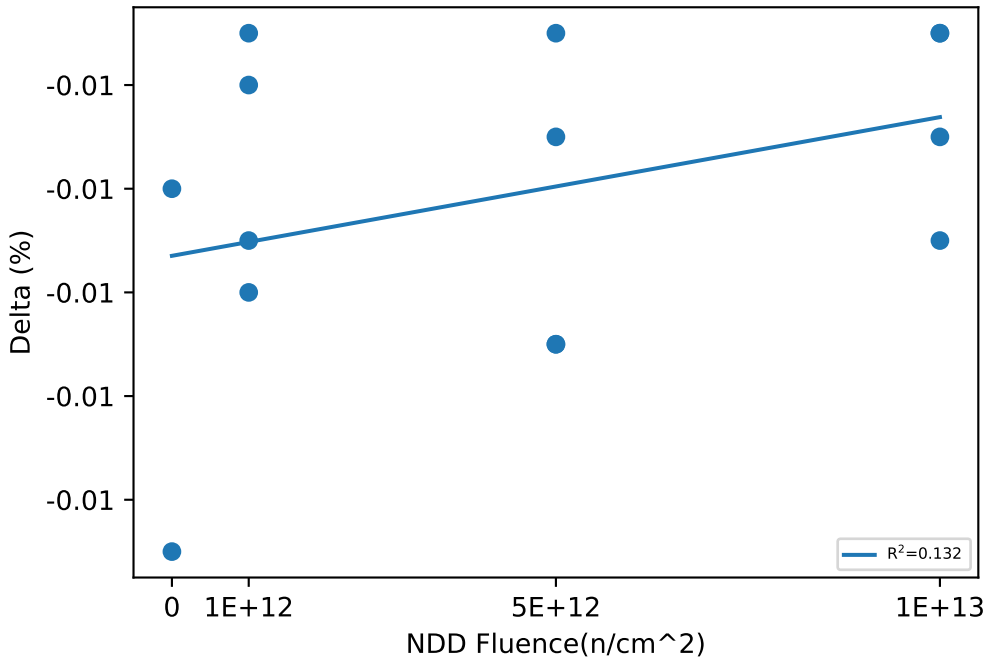
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.942	2.927	-0.015
301	0	Correlation	2.919	2.911	-0.008
353	1e+12	NDD Unbiased	2.891	2.881	-0.01
354	1e+12	NDD Unbiased	2.918	2.909	-0.009
355	1e+12	NDD Unbiased	2.906	2.9	-0.006
356	1e+12	NDD Unbiased	2.962	2.957	-0.005
357	5e+12	NDD Unbiased	2.918	2.907	-0.011
358	5e+12	NDD Unbiased	2.95	2.939	-0.011
359	5e+12	NDD Unbiased	2.987	2.98	-0.007
360	5e+12	NDD Unbiased	2.982	2.977	-0.005
361	1e+13	NDD Unbiased	2.965	2.956	-0.009
362	1e+13	NDD Unbiased	2.93	2.925	-0.005
363	1e+13	NDD Unbiased	2.945	2.938	-0.007
364	1e+13	NDD Unbiased	2.918	2.913	-0.005

NDD vs Post - Pre Exposure Delta

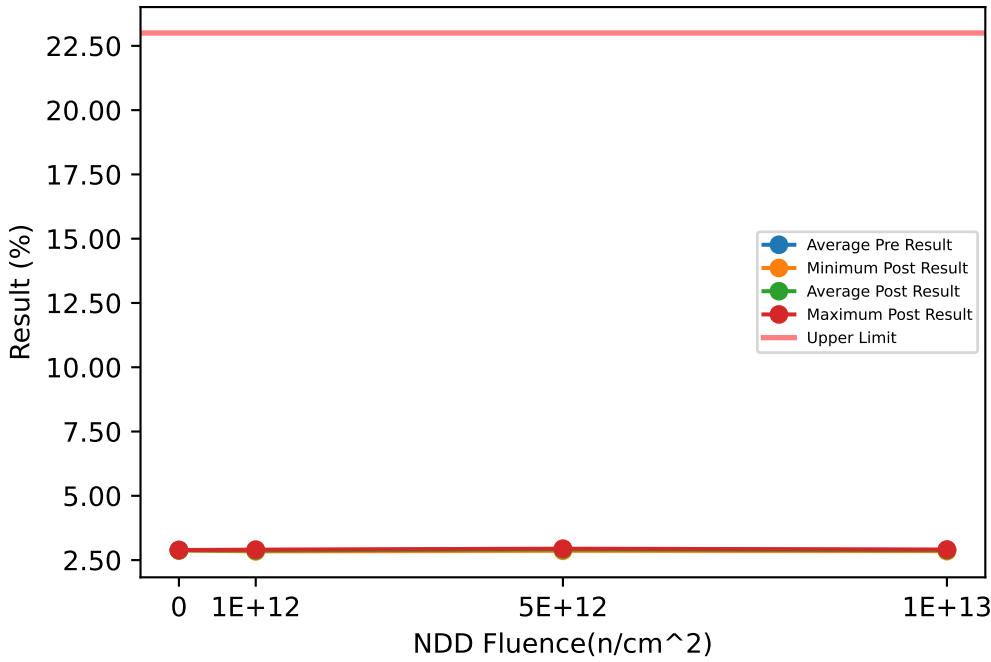


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.919	2.9305	2.942	0.016263	2.911	2.919	2.927	0.011314	-0.015	-0.0115	-0.008	0.0049497
1e+12	2.891	2.9192	2.962	0.030566	2.881	2.9117	2.957	0.032346	-0.01	-0.0075	-0.005	0.0023805
5e+12	2.918	2.9592	2.987	0.032014	2.907	2.9508	2.98	0.034625	-0.011	-0.0085	-0.005	0.003
1e+13	2.918	2.9395	2.965	0.020273	2.913	2.933	2.956	0.018421	-0.009	-0.0065	-0.005	0.0019149

Device Test: 6.127; VOL_RESET_10MA

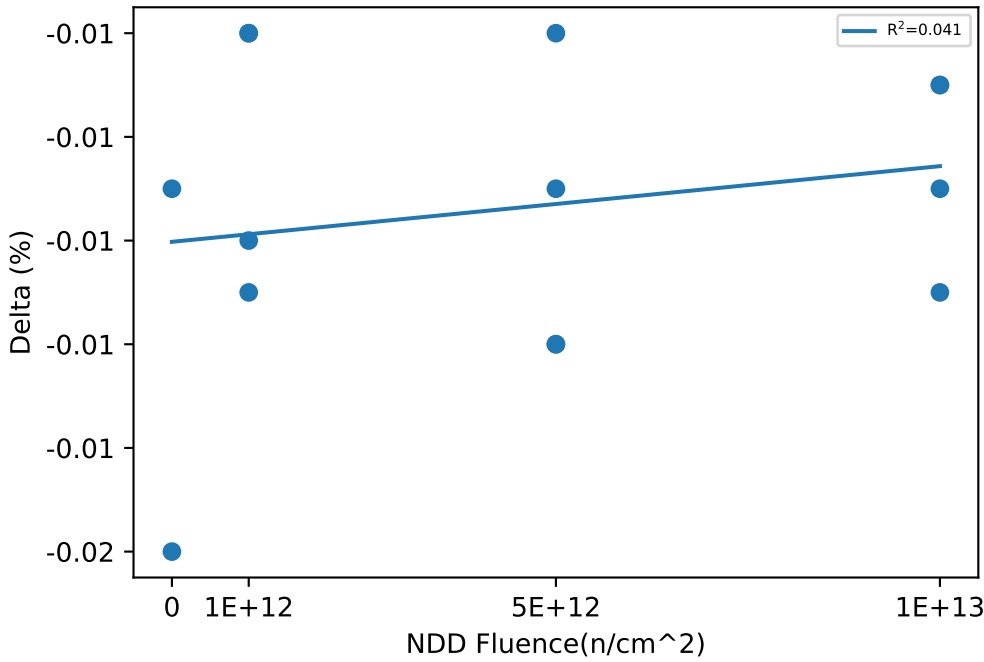
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.906	2.89	-0.016
301	0	Correlation	2.882	2.873	-0.009
353	1e+12	NDD Unbiased	2.849	2.838	-0.011
354	1e+12	NDD Unbiased	2.894	2.884	-0.01
355	1e+12	NDD Unbiased	2.868	2.862	-0.006
356	1e+12	NDD Unbiased	2.913	2.907	-0.006
357	5e+12	NDD Unbiased	2.872	2.86	-0.012
358	5e+12	NDD Unbiased	2.92	2.908	-0.012
359	5e+12	NDD Unbiased	2.953	2.944	-0.009
360	5e+12	NDD Unbiased	2.942	2.936	-0.006
361	1e+13	NDD Unbiased	2.922	2.911	-0.011
362	1e+13	NDD Unbiased	2.877	2.87	-0.007
363	1e+13	NDD Unbiased	2.91	2.901	-0.009
364	1e+13	NDD Unbiased	2.855	2.848	-0.007

NDD vs Post - Pre Exposure Delta

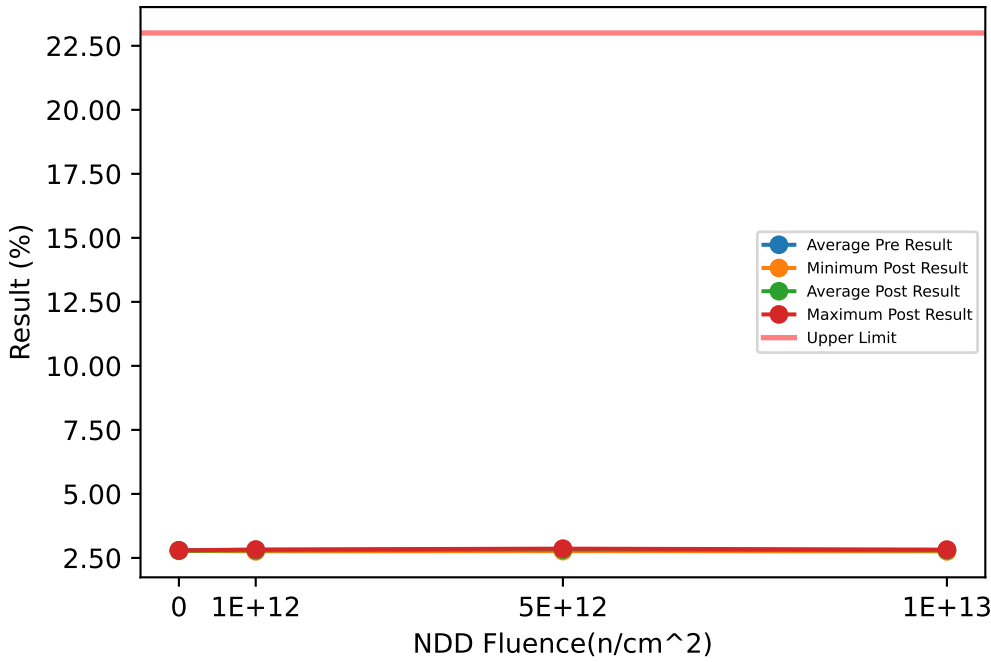


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.882	2.894	2.906	0.016971	2.873	2.8815	2.89	0.012021	-0.016	-0.0125	-0.009	0.0049497
1e+12	2.849	2.881	2.913	0.028202	2.838	2.8727	2.907	0.029568	-0.011	-0.00825	-0.006	0.00263
5e+12	2.872	2.9217	2.953	0.035892	2.86	2.912	2.944	0.037947	-0.012	-0.00975	-0.006	0.0028723
1e+13	2.855	2.891	2.922	0.030627	2.848	2.8825	2.911	0.028873	-0.011	-0.0085	-0.007	0.0019149

Device Test: 6.128; VOL_RESET_10MA

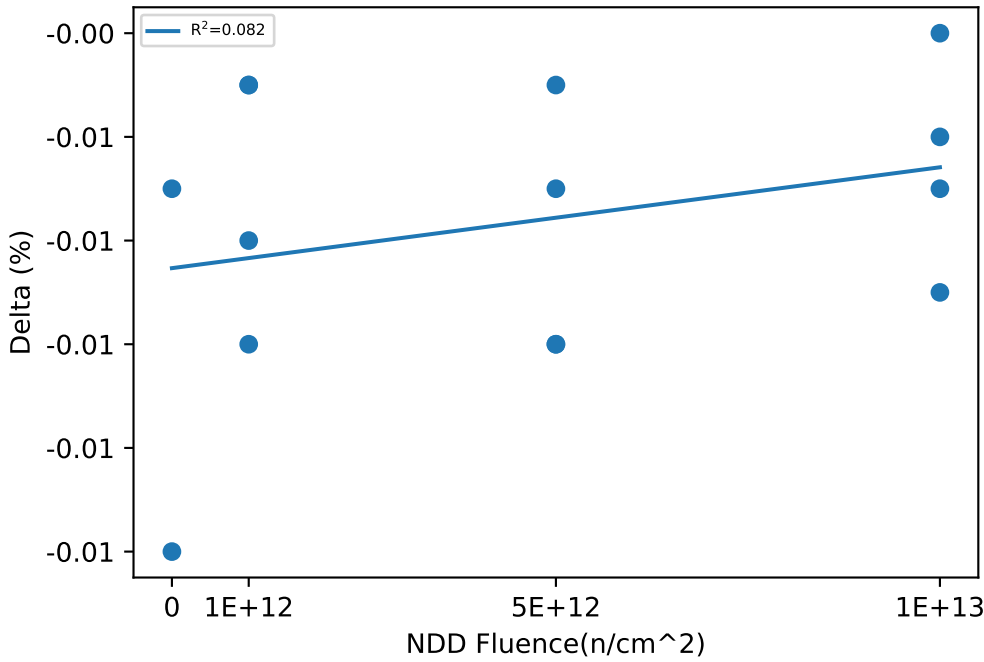
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.809	2.795	-0.014
301	0	Correlation	2.783	2.776	-0.007
353	1e+12	NDD Unbiased	2.767	2.757	-0.01
354	1e+12	NDD Unbiased	2.831	2.823	-0.008
355	1e+12	NDD Unbiased	2.787	2.782	-0.005
356	1e+12	NDD Unbiased	2.835	2.83	-0.005
357	5e+12	NDD Unbiased	2.776	2.766	-0.01
358	5e+12	NDD Unbiased	2.831	2.821	-0.01
359	5e+12	NDD Unbiased	2.87	2.863	-0.007
360	5e+12	NDD Unbiased	2.853	2.848	-0.005
361	1e+13	NDD Unbiased	2.834	2.825	-0.009
362	1e+13	NDD Unbiased	2.795	2.791	-0.004
363	1e+13	NDD Unbiased	2.819	2.812	-0.007
364	1e+13	NDD Unbiased	2.761	2.755	-0.006

NDD vs Post - Pre Exposure Delta

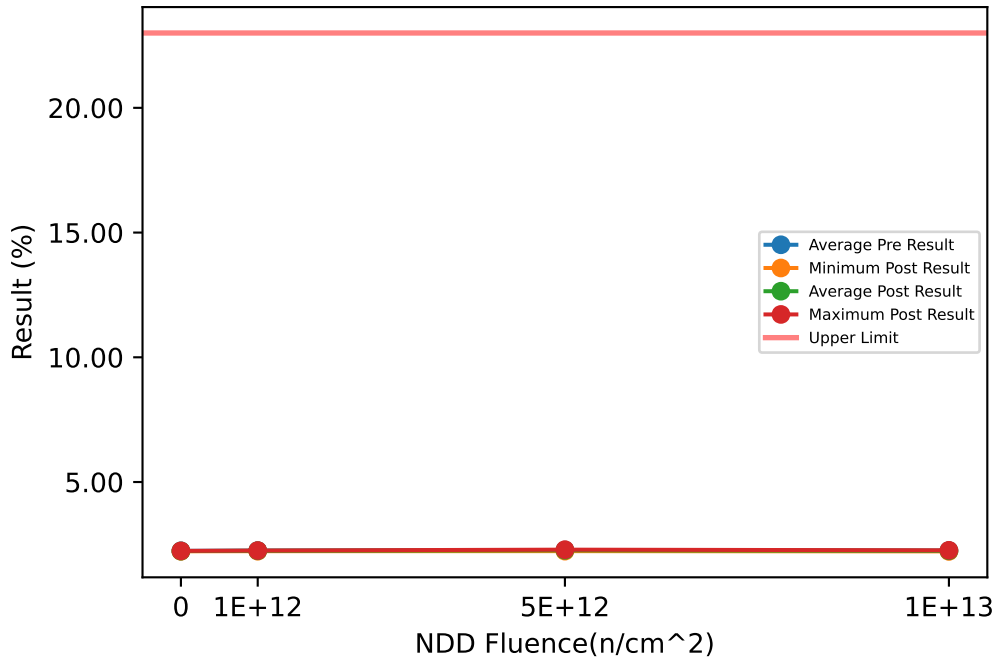


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.783	2.796	2.809	0.018385	2.776	2.7855	2.795	0.013435	-0.014	-0.0105	-0.007	0.0049497
1e+12	2.767	2.805	2.835	0.033387	2.757	2.798	2.83	0.034574	-0.01	-0.007	-0.005	0.0024495
5e+12	2.776	2.8325	2.87	0.04091	2.766	2.8245	2.863	0.042697	-0.01	-0.008	-0.005	0.0024495
1e+13	2.761	2.8022	2.834	0.031847	2.755	2.7957	2.825	0.030566	-0.009	-0.0065	-0.004	0.0020817

Device Test: 6.129; VOL_WDO_10MA

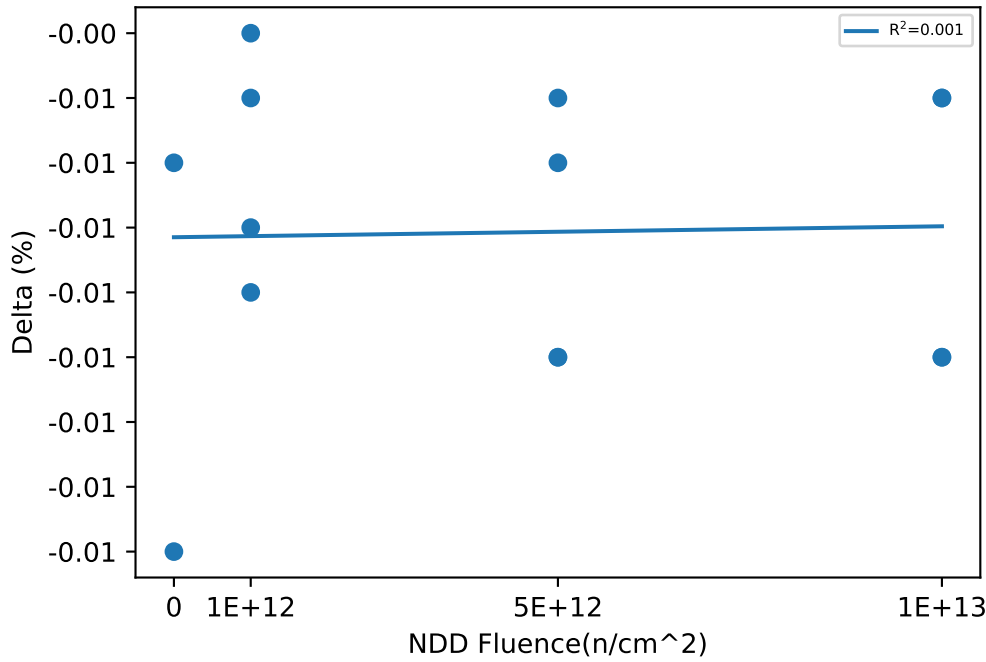
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.252	2.24	-0.012
301	0	Correlation	2.229	2.223	-0.006
353	1e+12	NDD Unbiased	2.235	2.227	-0.008
354	1e+12	NDD Unbiased	2.261	2.254	-0.007
355	1e+12	NDD Unbiased	2.25	2.245	-0.005
356	1e+12	NDD Unbiased	2.252	2.248	-0.004
357	5e+12	NDD Unbiased	2.238	2.229	-0.009
358	5e+12	NDD Unbiased	2.254	2.245	-0.009
359	5e+12	NDD Unbiased	2.294	2.288	-0.006
360	5e+12	NDD Unbiased	2.294	2.289	-0.005
361	1e+13	NDD Unbiased	2.258	2.249	-0.009
362	1e+13	NDD Unbiased	2.268	2.263	-0.005
363	1e+13	NDD Unbiased	2.249	2.24	-0.009
364	1e+13	NDD Unbiased	2.224	2.219	-0.005

NDD vs Post - Pre Exposure Delta

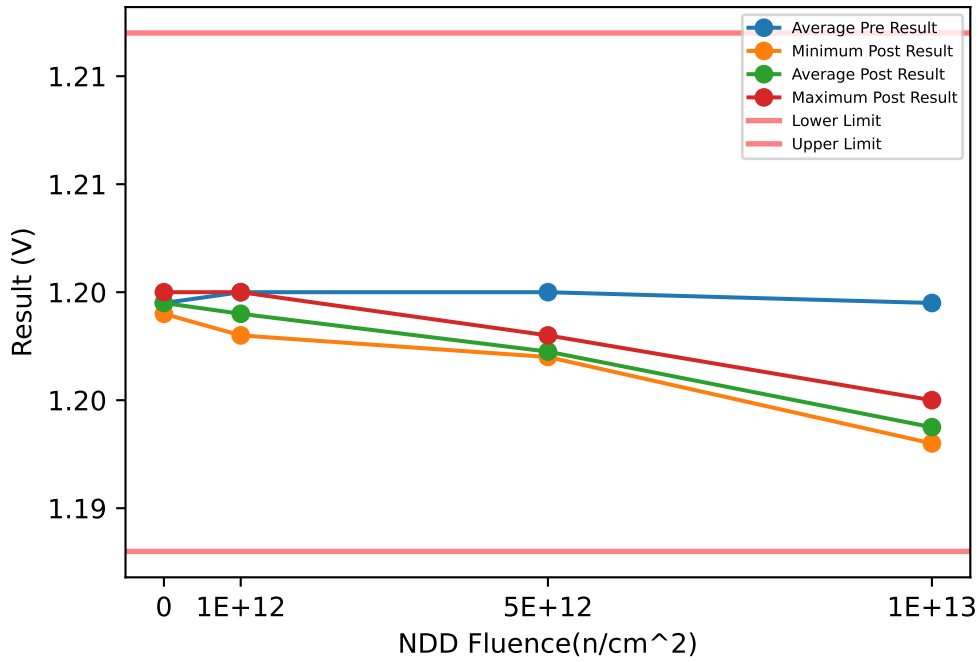


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.229	2.2405	2.252	0.016263	2.223	2.2315	2.24	0.012021	-0.012	-0.009	-0.006	0.0042426
1e+12	2.235	2.2495	2.261	0.010786	2.227	2.2435	2.254	0.011619	-0.008	-0.006	-0.004	0.0018257
5e+12	2.238	2.27	2.294	0.028472	2.229	2.2628	2.289	0.030445	-0.009	-0.00725	-0.005	0.0020616
1e+13	2.224	2.2498	2.268	0.018839	2.219	2.2428	2.263	0.018446	-0.009	-0.007	-0.005	0.0023094

Device Test: 6.13 ; REFCAP

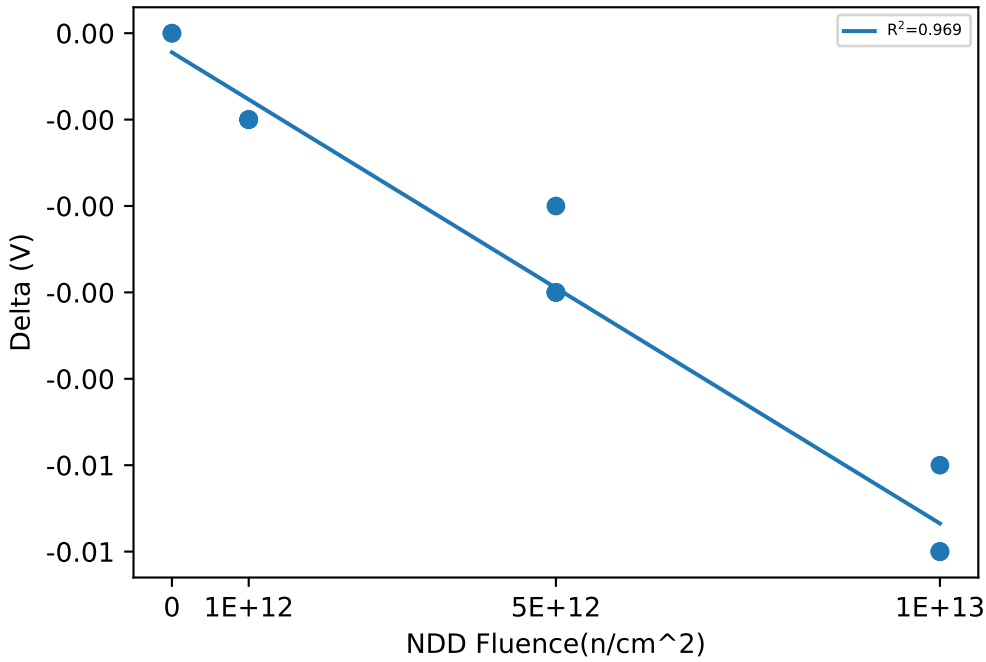
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.199	1.199	0
301	0	Correlation	1.2	1.2	0
353	1e+12	NDD Unbiased	1.199	1.198	-0.001
354	1e+12	NDD Unbiased	1.2	1.199	-0.001
355	1e+12	NDD Unbiased	1.201	1.2	-0.001
356	1e+12	NDD Unbiased	1.2	1.199	-0.001
357	5e+12	NDD Unbiased	1.2	1.197	-0.003
358	5e+12	NDD Unbiased	1.2	1.197	-0.003
359	5e+12	NDD Unbiased	1.2	1.197	-0.003
360	5e+12	NDD Unbiased	1.2	1.198	-0.002
361	1e+13	NDD Unbiased	1.199	1.193	-0.006
362	1e+13	NDD Unbiased	1.2	1.194	-0.006
363	1e+13	NDD Unbiased	1.2	1.195	-0.005
364	1e+13	NDD Unbiased	1.199	1.193	-0.006

NDD vs Post - Pre Exposure Delta

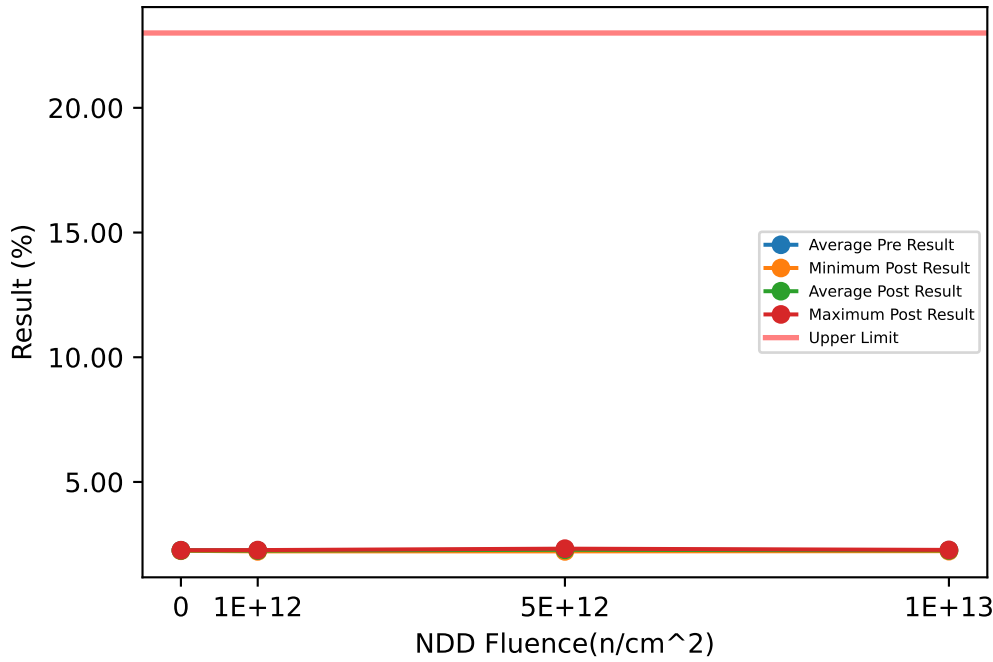


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.199	1.1995	1.2	0.00070711	1.199	1.1995	1.2	0.00070711	0	0	0	0
1e+12	1.199	1.2	1.201	0.0008165	1.198	1.199	1.2	0.0008165	-0.001	-0.001	-0.001	1.282e-16
5e+12	1.2	1.2	1.2	0	1.197	1.1972	1.198	0.0005	-0.003	-0.00275	-0.002	0.0005
1e+13	1.199	1.1995	1.2	0.00057735	1.193	1.1938	1.195	0.00095743	-0.006	-0.00575	-0.005	0.0005

Device Test: 6.130; VOL_PWRGD_10MA

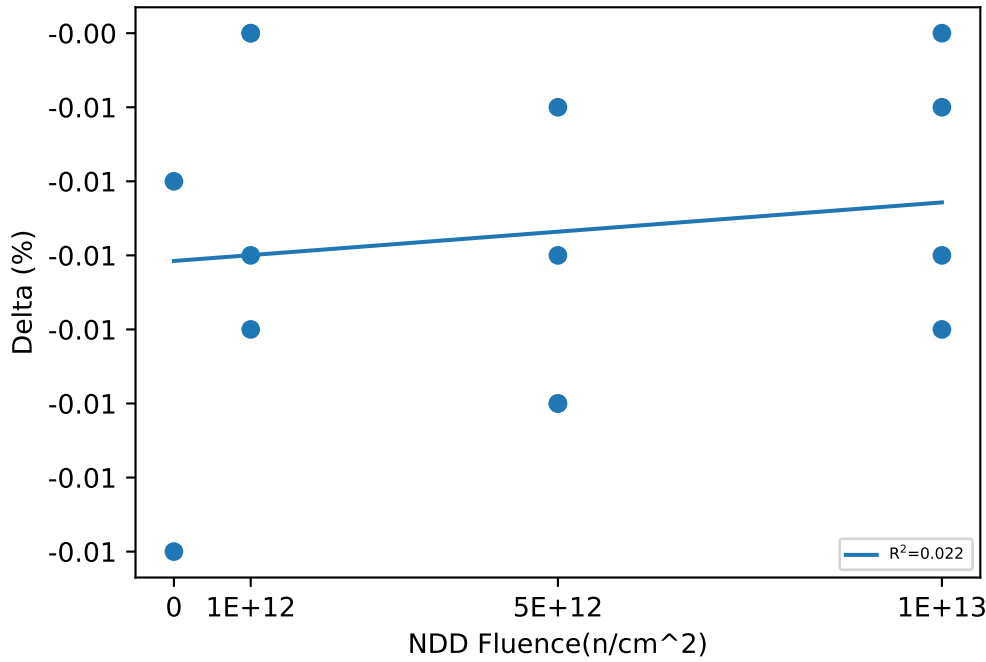
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.275	2.264	-0.011
301	0	Correlation	2.247	2.241	-0.006
353	1e+12	NDD Unbiased	2.224	2.216	-0.008
354	1e+12	NDD Unbiased	2.261	2.254	-0.007
355	1e+12	NDD Unbiased	2.255	2.251	-0.004
356	1e+12	NDD Unbiased	2.273	2.269	-0.004
357	5e+12	NDD Unbiased	2.225	2.216	-0.009
358	5e+12	NDD Unbiased	2.274	2.265	-0.009
359	5e+12	NDD Unbiased	2.319	2.312	-0.007
360	5e+12	NDD Unbiased	2.331	2.326	-0.005
361	1e+13	NDD Unbiased	2.276	2.268	-0.008
362	1e+13	NDD Unbiased	2.28	2.276	-0.004
363	1e+13	NDD Unbiased	2.262	2.255	-0.007
364	1e+13	NDD Unbiased	2.23	2.225	-0.005

NDD vs Post - Pre Exposure Delta

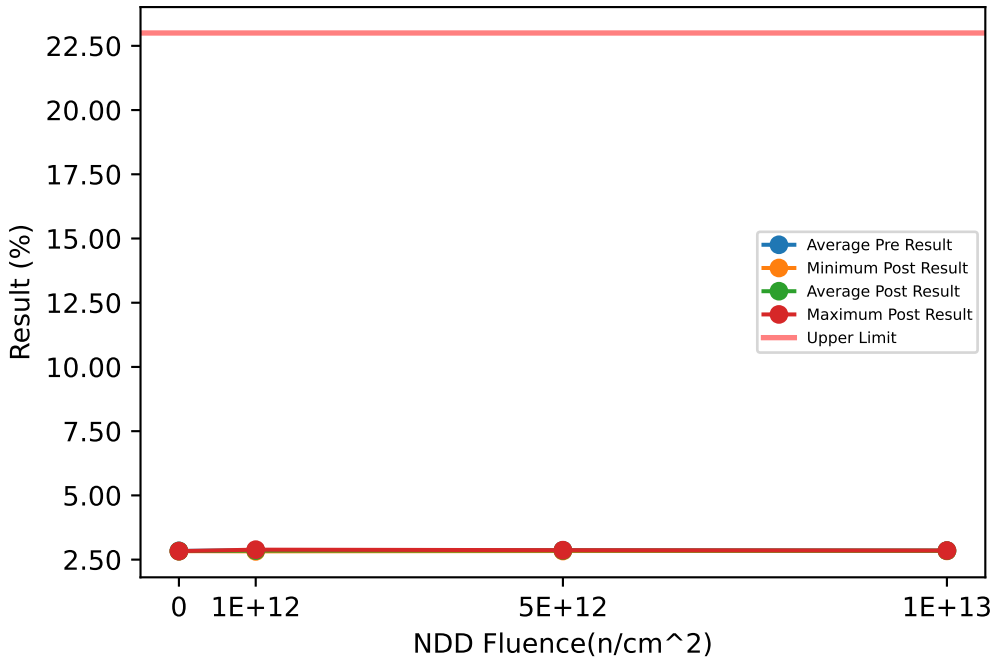


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.247	2.261	2.275	0.019799	2.241	2.2525	2.264	0.016263	-0.011	-0.0085	-0.006	0.0035355
1e+12	2.224	2.2532	2.273	0.020887	2.216	2.2475	2.269	0.022428	-0.008	-0.00575	-0.004	0.0020616
5e+12	2.225	2.2873	2.331	0.04821	2.216	2.2797	2.326	0.049869	-0.009	-0.0075	-0.005	0.0019149
1e+13	2.23	2.262	2.28	0.022686	2.225	2.256	2.276	0.022405	-0.008	-0.006	-0.004	0.0018257

Device Test: 6.131; VOL_RESET_10MA

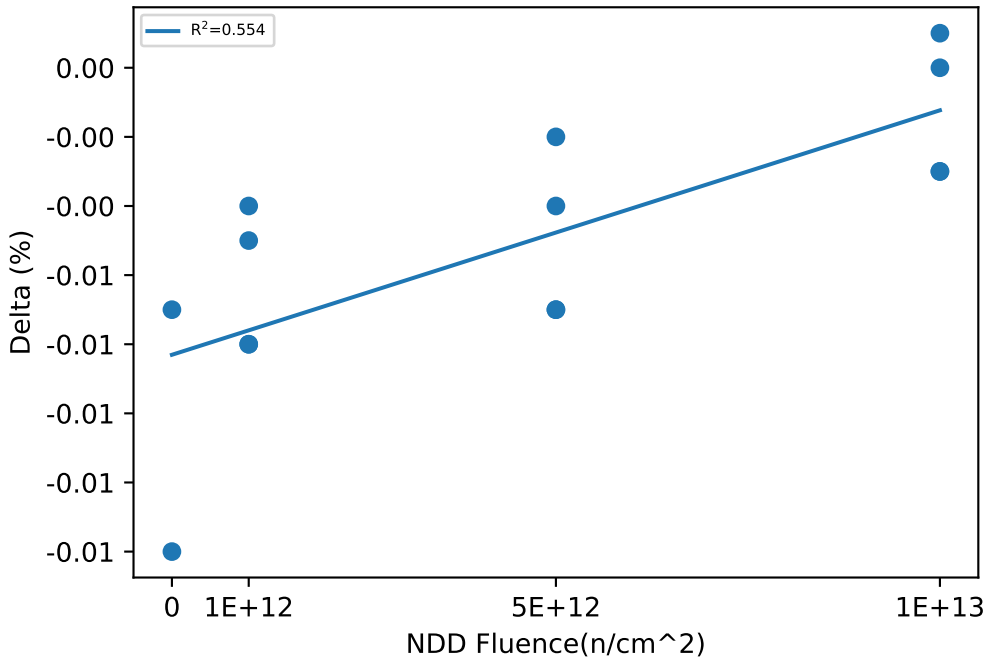
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.844	2.83	-0.014
301	0	Correlation	2.838	2.831	-0.007
353	1e+12	NDD Unbiased	2.828	2.82	-0.008
354	1e+12	NDD Unbiased	2.896	2.888	-0.008
355	1e+12	NDD Unbiased	2.855	2.85	-0.005
356	1e+12	NDD Unbiased	2.85	2.846	-0.004
357	5e+12	NDD Unbiased	2.841	2.834	-0.007
358	5e+12	NDD Unbiased	2.875	2.868	-0.007
359	5e+12	NDD Unbiased	2.87	2.866	-0.004
360	5e+12	NDD Unbiased	2.857	2.855	-0.002
361	1e+13	NDD Unbiased	2.852	2.849	-0.003
362	1e+13	NDD Unbiased	2.854	2.854	0
363	1e+13	NDD Unbiased	2.843	2.84	-0.003
364	1e+13	NDD Unbiased	2.845	2.846	0.001

NDD vs Post - Pre Exposure Delta

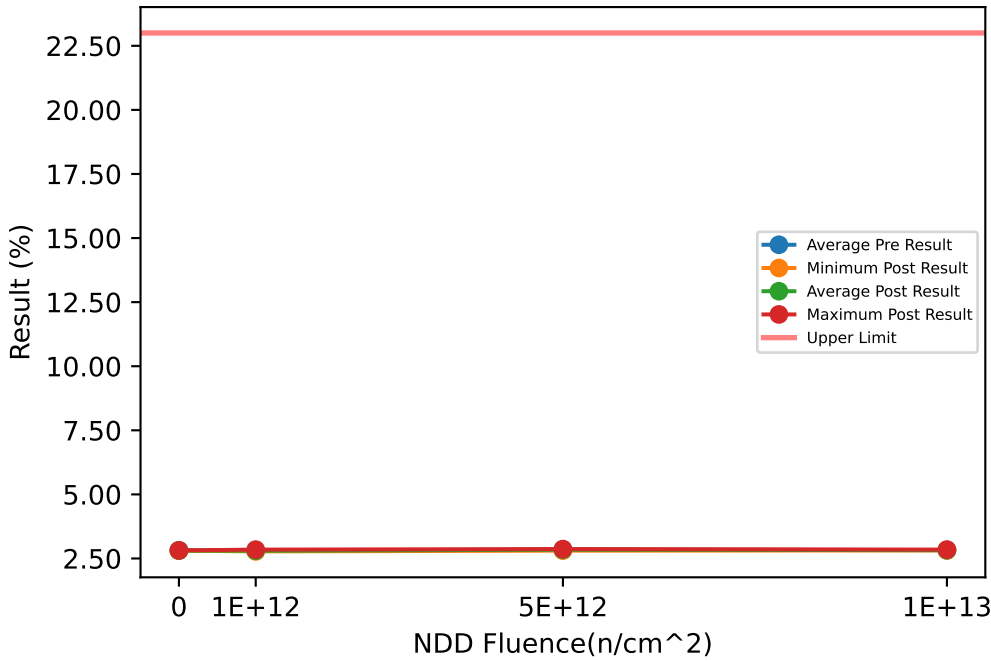


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.838	2.841	2.844	0.0042426	2.83	2.8305	2.831	0.00070711	-0.014	-0.0105	-0.007	0.0049497
1e+12	2.828	2.8573	2.896	0.028371	2.82	2.851	2.888	0.028024	-0.008	-0.00625	-0.004	0.0020616
5e+12	2.841	2.8608	2.875	0.015196	2.834	2.8558	2.868	0.015586	-0.007	-0.005	-0.002	0.0024495
1e+13	2.843	2.8485	2.854	0.0053229	2.84	2.8472	2.854	0.0058523	-0.003	-0.00125	0.001	0.0020616

Device Test: 6.132; VOL_RESET_10MA

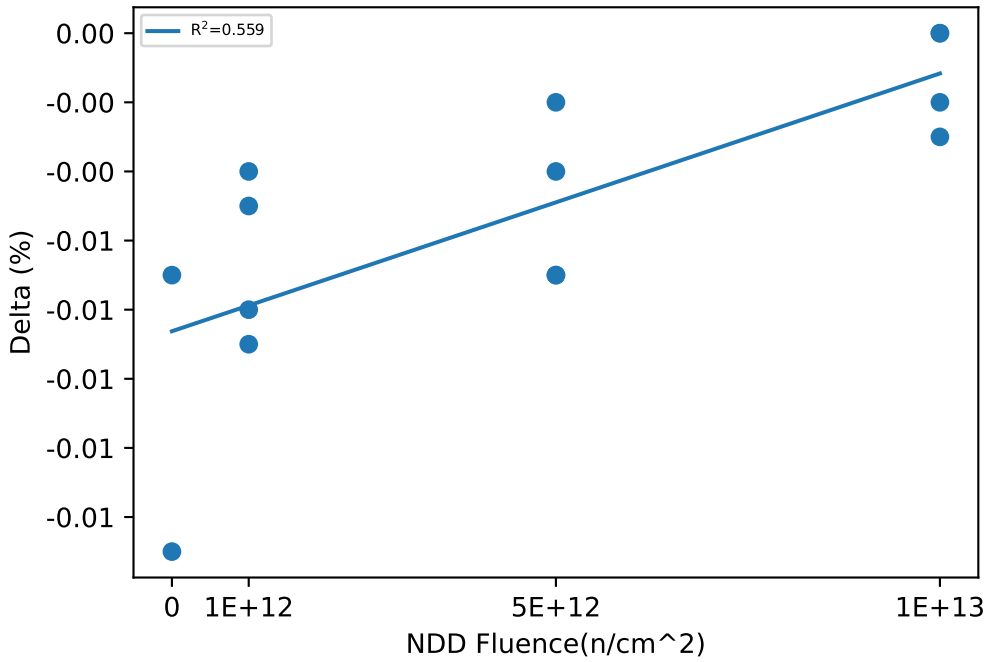
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.829	2.814	-0.015
301	0	Correlation	2.812	2.805	-0.007
353	1e+12	NDD Unbiased	2.785	2.776	-0.009
354	1e+12	NDD Unbiased	2.804	2.796	-0.008
355	1e+12	NDD Unbiased	2.792	2.787	-0.005
356	1e+12	NDD Unbiased	2.849	2.845	-0.004
357	5e+12	NDD Unbiased	2.812	2.805	-0.007
358	5e+12	NDD Unbiased	2.84	2.833	-0.007
359	5e+12	NDD Unbiased	2.87	2.866	-0.004
360	5e+12	NDD Unbiased	2.865	2.863	-0.002
361	1e+13	NDD Unbiased	2.849	2.846	-0.003
362	1e+13	NDD Unbiased	2.816	2.816	0
363	1e+13	NDD Unbiased	2.827	2.825	-0.002
364	1e+13	NDD Unbiased	2.813	2.813	0

NDD vs Post - Pre Exposure Delta

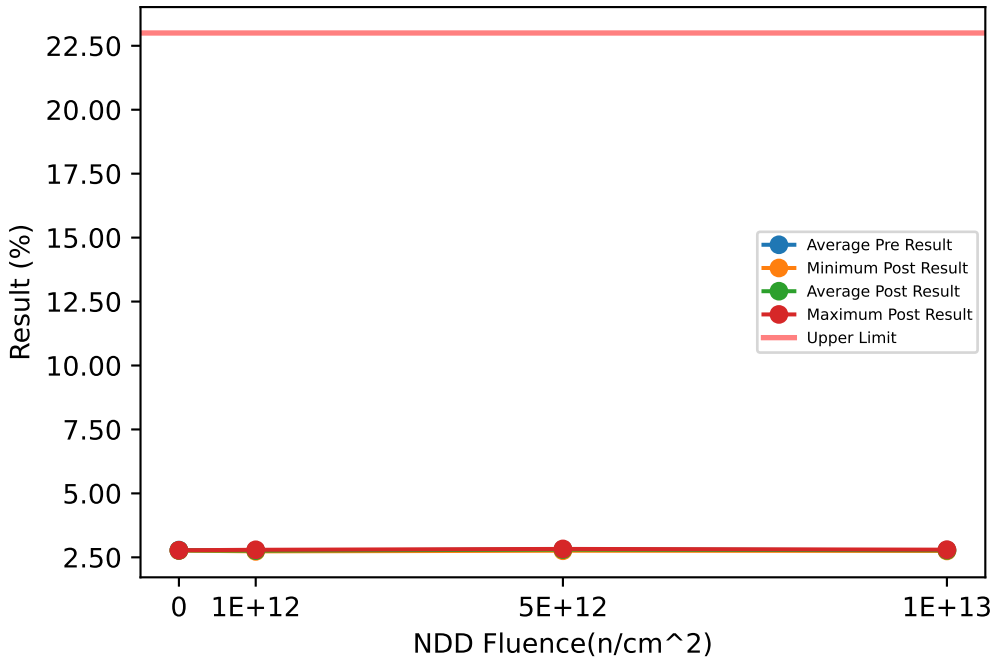


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.812	2.8205	2.829	0.012021	2.805	2.8095	2.814	0.006364	-0.015	-0.011	-0.007	0.0056569
1e+12	2.785	2.8075	2.849	0.028758	2.776	2.801	2.845	0.030452	-0.009	-0.0065	-0.004	0.0023805
5e+12	2.812	2.8468	2.87	0.026625	2.805	2.8418	2.866	0.028675	-0.007	-0.005	-0.002	0.0024495
1e+13	2.813	2.8262	2.849	0.016317	2.813	2.825	2.846	0.0149	-0.003	-0.00125	0	0.0015

Device Test: 6.133; VOL_RESET_10MA

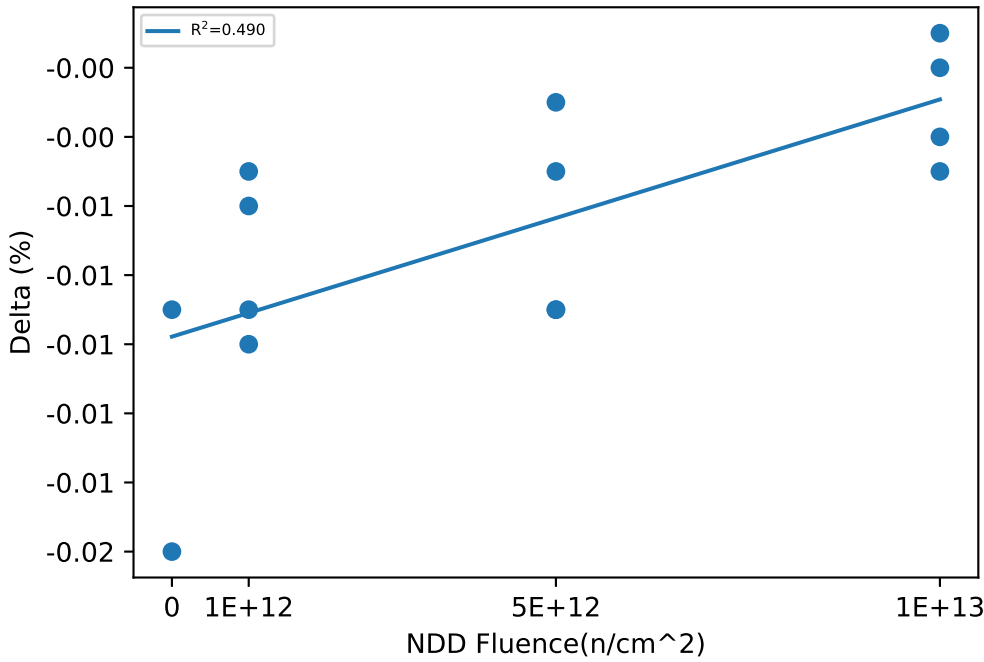
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.793	2.777	-0.016
301	0	Correlation	2.774	2.765	-0.009
353	1e+12	NDD Unbiased	2.742	2.732	-0.01
354	1e+12	NDD Unbiased	2.778	2.769	-0.009
355	1e+12	NDD Unbiased	2.753	2.748	-0.005
356	1e+12	NDD Unbiased	2.801	2.795	-0.006
357	5e+12	NDD Unbiased	2.766	2.757	-0.009
358	5e+12	NDD Unbiased	2.808	2.799	-0.009
359	5e+12	NDD Unbiased	2.834	2.829	-0.005
360	5e+12	NDD Unbiased	2.825	2.822	-0.003
361	1e+13	NDD Unbiased	2.805	2.8	-0.005
362	1e+13	NDD Unbiased	2.764	2.762	-0.002
363	1e+13	NDD Unbiased	2.792	2.788	-0.004
364	1e+13	NDD Unbiased	2.751	2.75	-0.001

NDD vs Post - Pre Exposure Delta

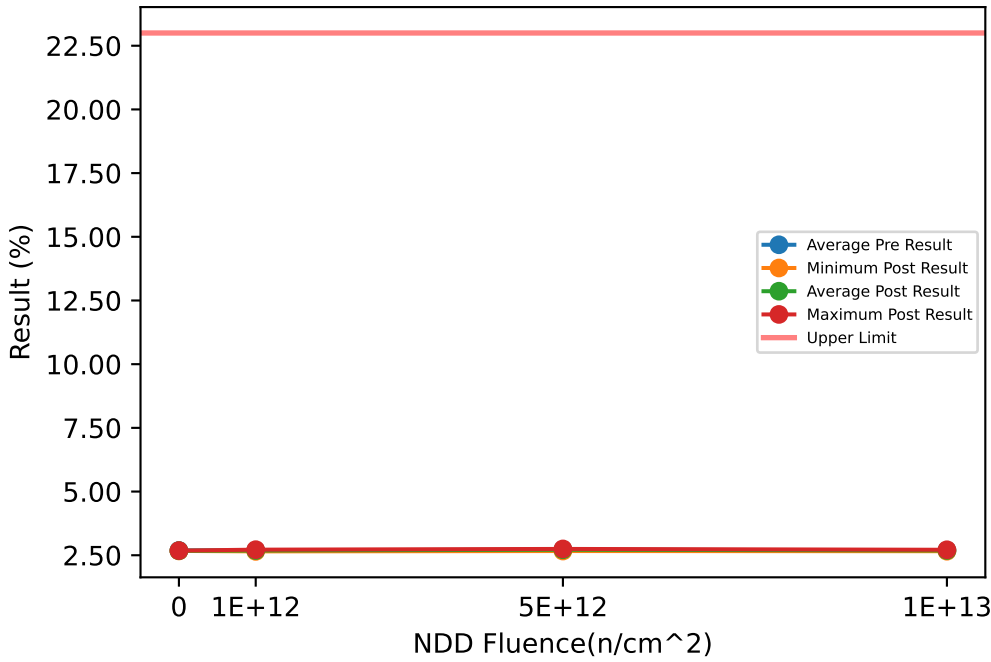


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.774	2.7835	2.793	0.013435	2.765	2.771	2.777	0.0084853	-0.016	-0.0125	-0.009	0.0049497
1e+12	2.742	2.7685	2.801	0.026388	2.732	2.761	2.795	0.027264	-0.01	-0.0075	-0.005	0.0023805
5e+12	2.766	2.8083	2.834	0.030159	2.757	2.8018	2.829	0.032469	-0.009	-0.0065	-0.003	0.003
1e+13	2.751	2.778	2.805	0.024833	2.75	2.775	2.8	0.023007	-0.005	-0.003	-0.001	0.0018257

Device Test: 6.134; VOL_RESET_10MA

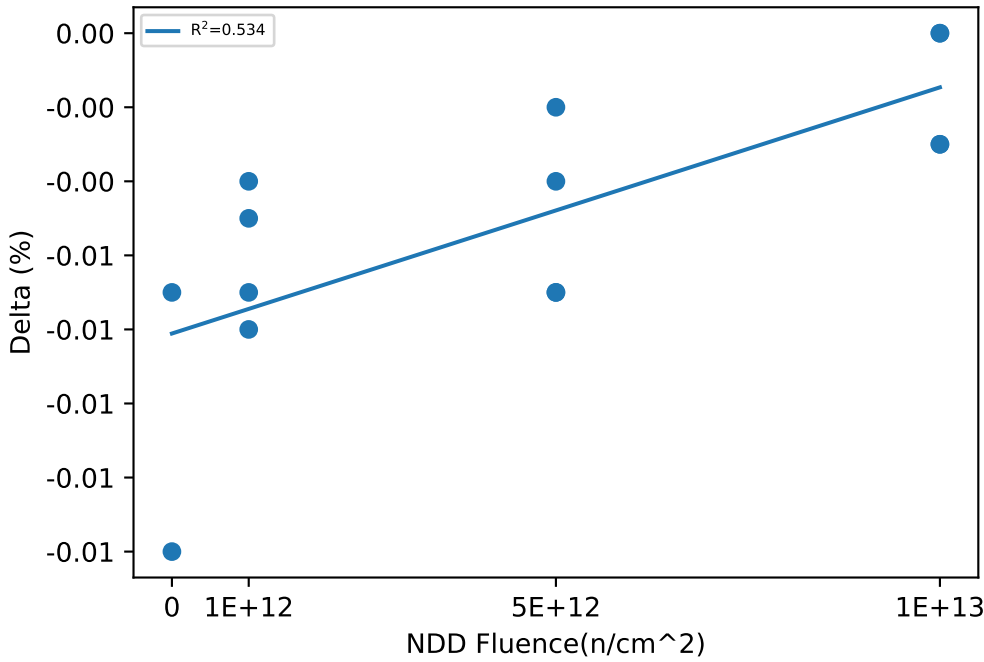
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.697	2.683	-0.014
301	0	Correlation	2.677	2.67	-0.007
353	1e+12	NDD Unbiased	2.659	2.651	-0.008
354	1e+12	NDD Unbiased	2.713	2.706	-0.007
355	1e+12	NDD Unbiased	2.672	2.667	-0.005
356	1e+12	NDD Unbiased	2.723	2.719	-0.004
357	5e+12	NDD Unbiased	2.672	2.665	-0.007
358	5e+12	NDD Unbiased	2.72	2.713	-0.007
359	5e+12	NDD Unbiased	2.752	2.748	-0.004
360	5e+12	NDD Unbiased	2.739	2.737	-0.002
361	1e+13	NDD Unbiased	2.718	2.715	-0.003
362	1e+13	NDD Unbiased	2.682	2.682	0
363	1e+13	NDD Unbiased	2.701	2.698	-0.003
364	1e+13	NDD Unbiased	2.658	2.658	0

NDD vs Post - Pre Exposure Delta

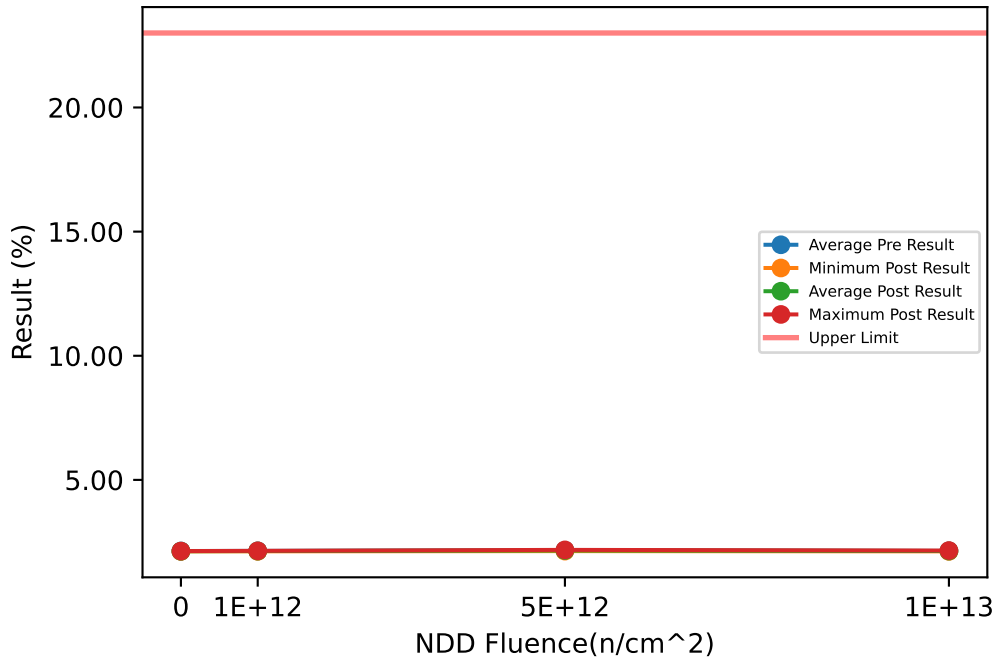


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.677	2.687	2.697	0.014142	2.67	2.6765	2.683	0.0091924	-0.014	-0.0105	-0.007	0.0049497
1e+12	2.659	2.6917	2.723	0.031042	2.651	2.6857	2.719	0.032014	-0.008	-0.006	-0.004	0.0018257
5e+12	2.672	2.7207	2.752	0.035056	2.665	2.7157	2.748	0.036854	-0.007	-0.005	-0.002	0.0024495
1e+13	2.658	2.6898	2.718	0.025773	2.658	2.6883	2.715	0.024254	-0.003	-0.0015	0	0.0017321

Device Test: 6.135; VOL_WDO_10MA

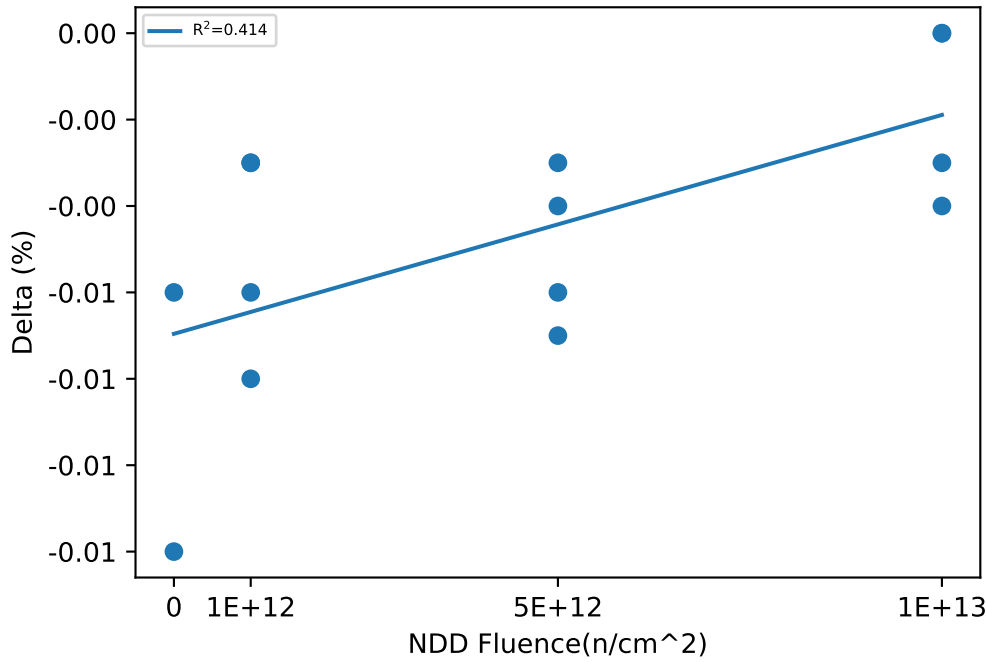
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.145	2.133	-0.012
301	0	Correlation	2.126	2.12	-0.006
353	1e+12	NDD Unbiased	2.13	2.122	-0.008
354	1e+12	NDD Unbiased	2.149	2.143	-0.006
355	1e+12	NDD Unbiased	2.135	2.132	-0.003
356	1e+12	NDD Unbiased	2.145	2.142	-0.003
357	5e+12	NDD Unbiased	2.137	2.131	-0.006
358	5e+12	NDD Unbiased	2.147	2.14	-0.007
359	5e+12	NDD Unbiased	2.18	2.176	-0.004
360	5e+12	NDD Unbiased	2.184	2.181	-0.003
361	1e+13	NDD Unbiased	2.145	2.142	-0.003
362	1e+13	NDD Unbiased	2.154	2.154	0
363	1e+13	NDD Unbiased	2.133	2.129	-0.004
364	1e+13	NDD Unbiased	2.121	2.121	0

NDD vs Post - Pre Exposure Delta

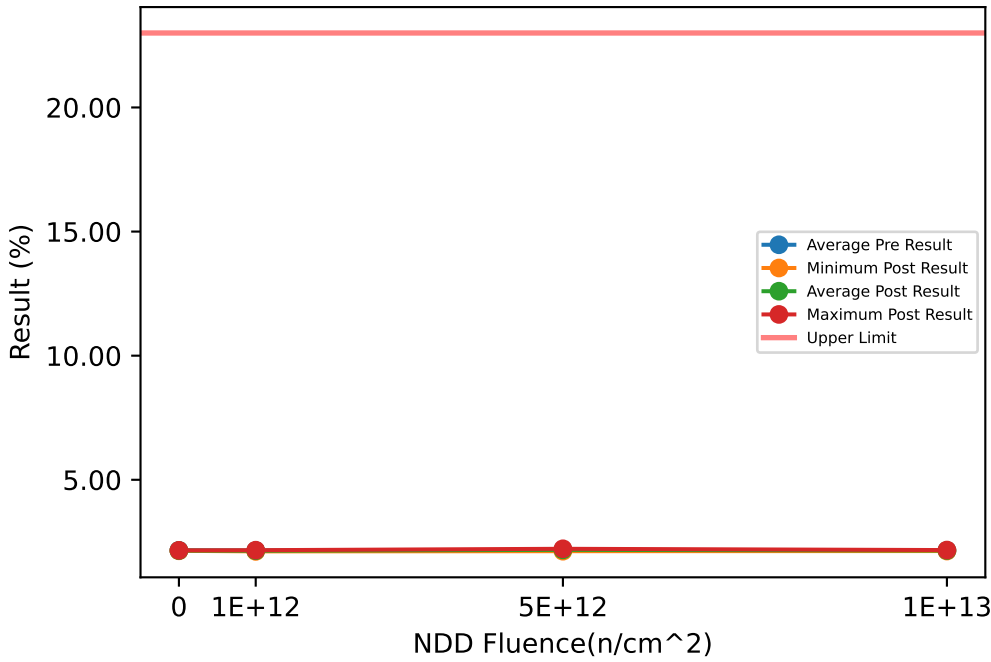


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.126	2.1355	2.145	0.013435	2.12	2.1265	2.133	0.0091924	-0.012	-0.009	-0.006	0.0042426
1e+12	2.13	2.1397	2.149	0.0087702	2.122	2.1347	2.143	0.0098446	-0.008	-0.005	-0.003	0.0024495
5e+12	2.137	2.162	2.184	0.023509	2.131	2.157	2.181	0.025179	-0.007	-0.005	-0.003	0.0018257
1e+13	2.121	2.1383	2.154	0.014361	2.121	2.1365	2.154	0.014526	-0.004	-0.00175	0	0.0020616

Device Test: 6.136; VOL_PWRGD_10MA

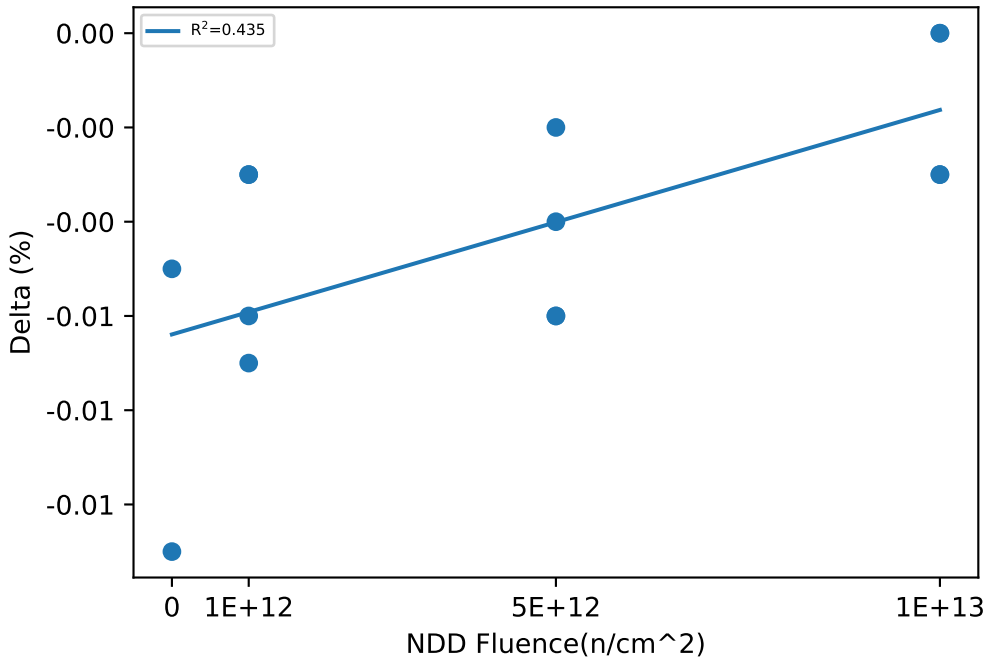
NDD vs Result Stats



Test Results (Upper Limit = 23.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.169	2.158	-0.011
301	0	Correlation	2.144	2.139	-0.005
353	1e+12	NDD Unbiased	2.122	2.115	-0.007
354	1e+12	NDD Unbiased	2.152	2.146	-0.006
355	1e+12	NDD Unbiased	2.144	2.141	-0.003
356	1e+12	NDD Unbiased	2.167	2.164	-0.003
357	5e+12	NDD Unbiased	2.129	2.123	-0.006
358	5e+12	NDD Unbiased	2.168	2.162	-0.006
359	5e+12	NDD Unbiased	2.206	2.202	-0.004
360	5e+12	NDD Unbiased	2.222	2.22	-0.002
361	1e+13	NDD Unbiased	2.165	2.162	-0.003
362	1e+13	NDD Unbiased	2.169	2.169	0
363	1e+13	NDD Unbiased	2.148	2.145	-0.003
364	1e+13	NDD Unbiased	2.129	2.129	0

NDD vs Post - Pre Exposure Delta

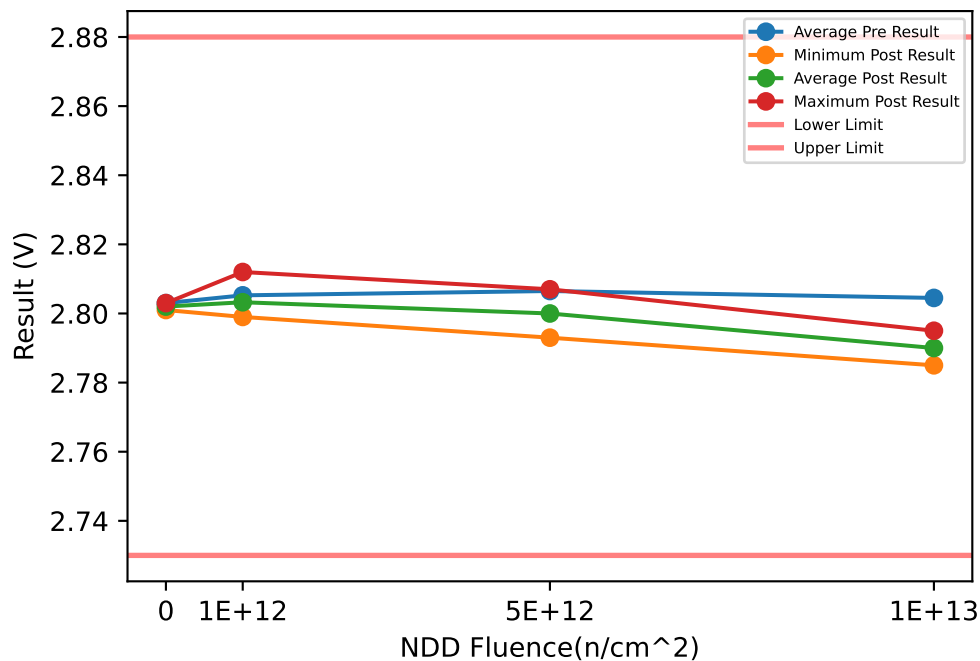


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.144	2.1565	2.169	0.017678	2.139	2.1485	2.158	0.013435	-0.011	-0.008	-0.005	0.0042426
1e+12	2.122	2.1463	2.167	0.018768	2.115	2.1415	2.164	0.02024	-0.007	-0.00475	-0.003	0.0020616
5e+12	2.129	2.1812	2.222	0.041548	2.123	2.1768	2.22	0.043262	-0.006	-0.0045	-0.002	0.0019149
1e+13	2.129	2.1528	2.169	0.018264	2.129	2.1513	2.169	0.017933	-0.003	-0.0015	0	0.0017321

Device Test: 6.137; UVLO_RISE

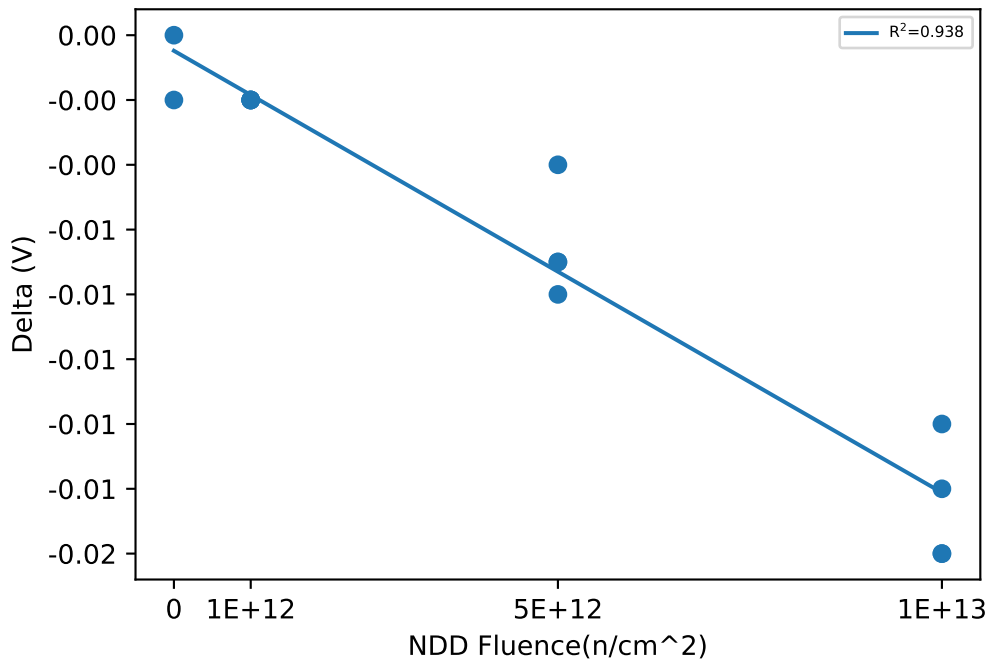
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.801	2.801	0
301	0	Correlation	2.805	2.803	-0.002
353	1e+12	NDD Unbiased	2.801	2.799	-0.002
354	1e+12	NDD Unbiased	2.805	2.803	-0.002
355	1e+12	NDD Unbiased	2.814	2.812	-0.002
356	1e+12	NDD Unbiased	2.801	2.799	-0.002
357	5e+12	NDD Unbiased	2.812	2.805	-0.007
358	5e+12	NDD Unbiased	2.814	2.807	-0.007
359	5e+12	NDD Unbiased	2.801	2.793	-0.008
360	5e+12	NDD Unbiased	2.799	2.795	-0.004
361	1e+13	NDD Unbiased	2.807	2.795	-0.012
362	1e+13	NDD Unbiased	2.803	2.789	-0.014
363	1e+13	NDD Unbiased	2.807	2.791	-0.016
364	1e+13	NDD Unbiased	2.801	2.785	-0.016

NDD vs Post - Pre Exposure Delta

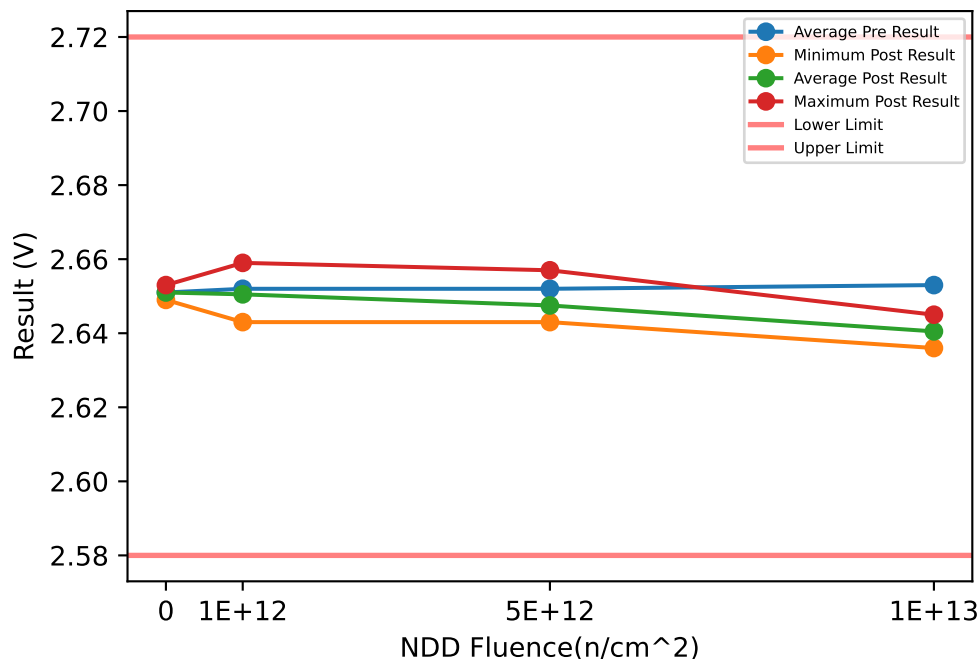


Test Statistics (V)

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	2.801	2.803	2.805	0.0028284	2.801	2.802	2.803	0.0014142	-0.002	-0.001	0	0.0014142
1e+12	2.801	2.8053	2.814	0.0061305	2.799	2.8032	2.812	0.0061305	-0.002	-0.002	-0.002	0
5e+12	2.799	2.8065	2.814	0.0075939	2.793	2.8	2.807	0.0070238	-0.008	-0.0065	-0.004	0.0017321
1e+13	2.801	2.8045	2.807	0.003	2.785	2.79	2.795	0.0041633	-0.016	-0.0145	-0.012	0.0019149

Device Test: 6.138; UVLO_FALL

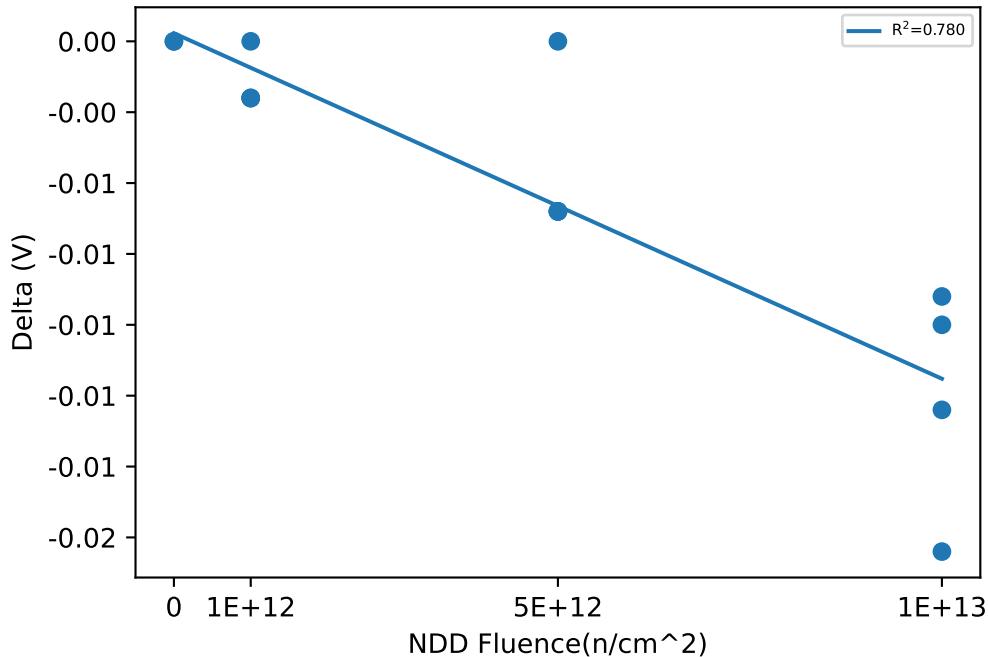
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.649	2.649	0
301	0	Correlation	2.653	2.653	0
353	1e+12	NDD Unbiased	2.645	2.645	0
354	1e+12	NDD Unbiased	2.661	2.659	-0.002
355	1e+12	NDD Unbiased	2.657	2.655	-0.002
356	1e+12	NDD Unbiased	2.645	2.643	-0.002
357	5e+12	NDD Unbiased	2.653	2.647	-0.006
358	5e+12	NDD Unbiased	2.657	2.657	0
359	5e+12	NDD Unbiased	2.649	2.643	-0.006
360	5e+12	NDD Unbiased	2.649	2.643	-0.006
361	1e+13	NDD Unbiased	2.655	2.645	-0.01
362	1e+13	NDD Unbiased	2.647	2.638	-0.009
363	1e+13	NDD Unbiased	2.661	2.643	-0.018
364	1e+13	NDD Unbiased	2.649	2.636	-0.013

NDD vs Post - Pre Exposure Delta

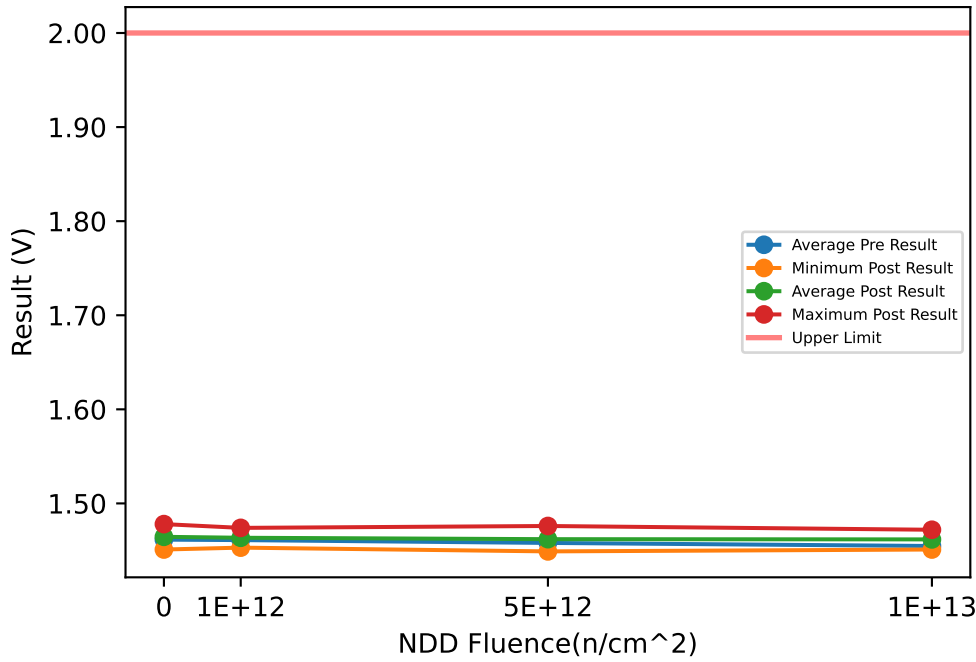


Test Statistics (V)

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	2.649	2.651	2.653	0.0028284	2.649	2.651	2.653	0.0028284	0	0	0	0
1e+12	2.645	2.652	2.661	0.0082462	2.643	2.6505	2.659	0.0077244	-0.002	-0.0015	0	0.001
5e+12	2.649	2.652	2.657	0.0038297	2.643	2.6475	2.657	0.0066081	-0.006	-0.0045	0	0.003
1e+13	2.647	2.653	2.661	0.0063246	2.636	2.6405	2.645	0.0042032	-0.018	-0.0125	-0.009	0.0040415

Device Test: 6.139; VIN_VALID

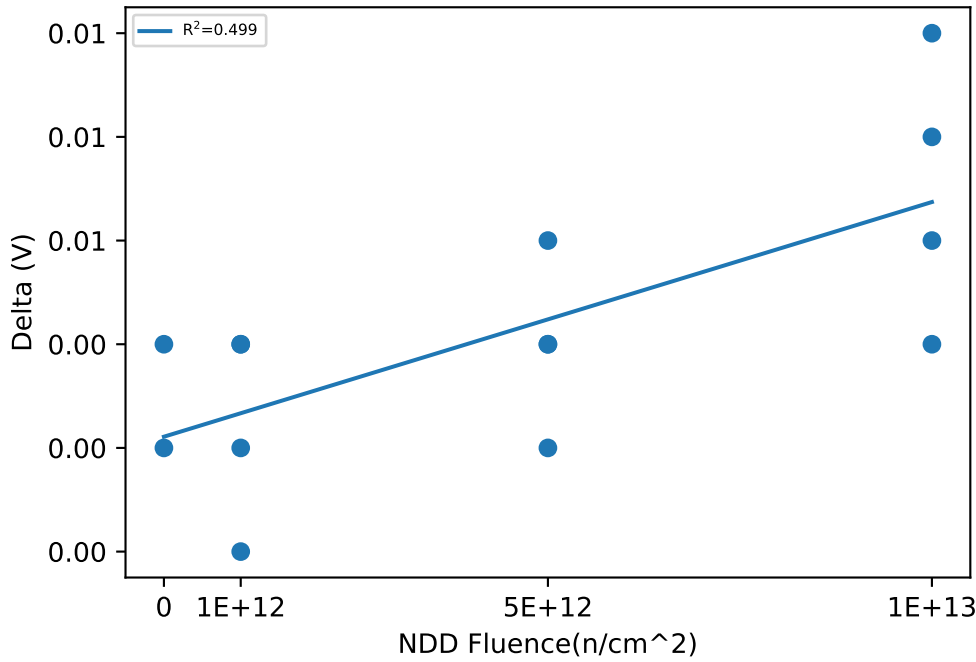
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.474	1.478	0.004
301	0	Correlation	1.449	1.451	0.002
353	1e+12	NDD Unbiased	1.455	1.459	0.004
354	1e+12	NDD Unbiased	1.468	1.468	0
355	1e+12	NDD Unbiased	1.451	1.453	0.002
356	1e+12	NDD Unbiased	1.47	1.474	0.004
357	5e+12	NDD Unbiased	1.472	1.476	0.004
358	5e+12	NDD Unbiased	1.468	1.47	0.002
359	5e+12	NDD Unbiased	1.449	1.453	0.004
360	5e+12	NDD Unbiased	1.443	1.449	0.006
361	1e+13	NDD Unbiased	1.457	1.465	0.008
362	1e+13	NDD Unbiased	1.441	1.451	0.01
363	1e+13	NDD Unbiased	1.455	1.459	0.004
364	1e+13	NDD Unbiased	1.466	1.472	0.006

NDD vs Post - Pre Exposure Delta

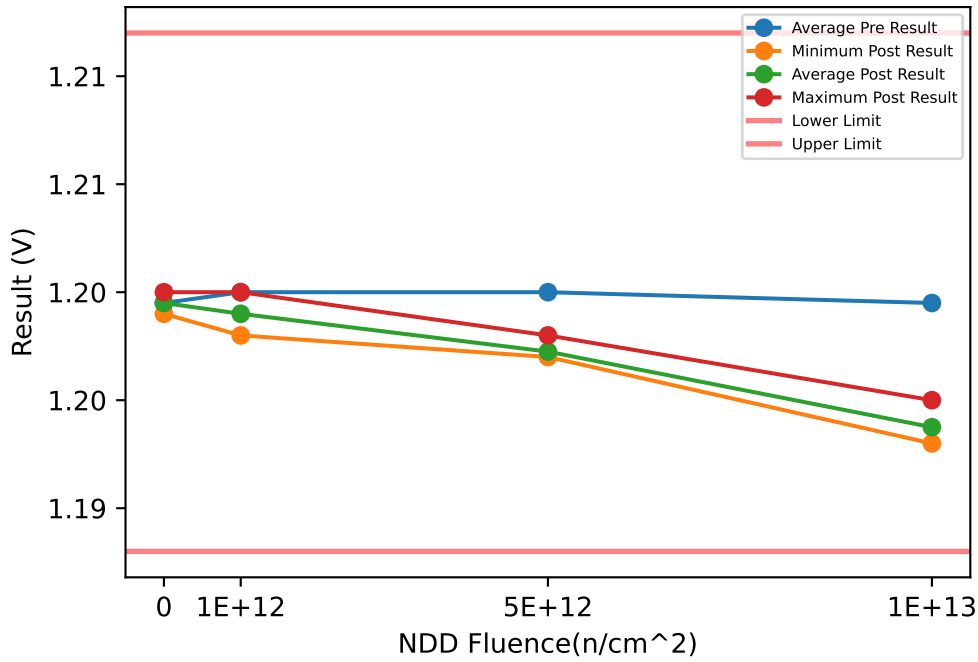


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.449	1.4615	1.474	0.017678	1.451	1.4645	1.478	0.019092	0.002	0.003	0.004	0.0014142
1e+12	1.451	1.461	1.47	0.0094163	1.453	1.4635	1.474	0.0093274	0	0.0025	0.004	0.0019149
5e+12	1.443	1.458	1.472	0.014166	1.449	1.462	1.476	0.013038	0.002	0.004	0.006	0.001633
1e+13	1.441	1.4547	1.466	0.01034	1.451	1.4618	1.472	0.0089209	0.004	0.007	0.01	0.002582

Device Test: 6.14 ; REFCAP

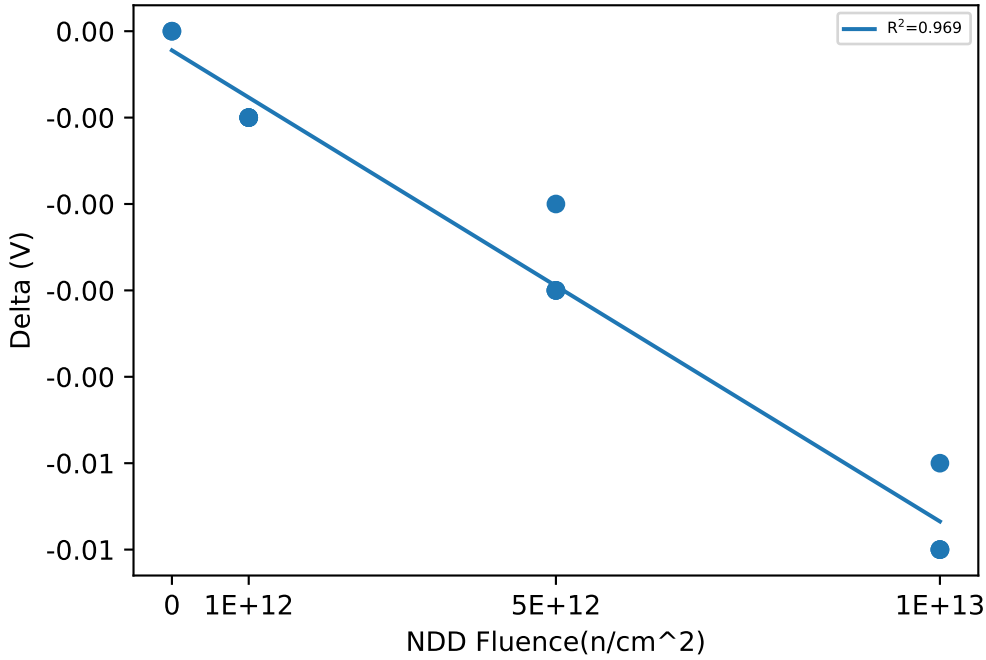
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.199	1.199	0
301	0	Correlation	1.2	1.2	0
353	1e+12	NDD Unbiased	1.199	1.198	-0.001
354	1e+12	NDD Unbiased	1.2	1.199	-0.001
355	1e+12	NDD Unbiased	1.201	1.2	-0.001
356	1e+12	NDD Unbiased	1.2	1.199	-0.001
357	5e+12	NDD Unbiased	1.2	1.197	-0.003
358	5e+12	NDD Unbiased	1.2	1.197	-0.003
359	5e+12	NDD Unbiased	1.2	1.197	-0.003
360	5e+12	NDD Unbiased	1.2	1.198	-0.002
361	1e+13	NDD Unbiased	1.199	1.193	-0.006
362	1e+13	NDD Unbiased	1.2	1.194	-0.006
363	1e+13	NDD Unbiased	1.2	1.195	-0.005
364	1e+13	NDD Unbiased	1.199	1.193	-0.006

NDD vs Post - Pre Exposure Delta

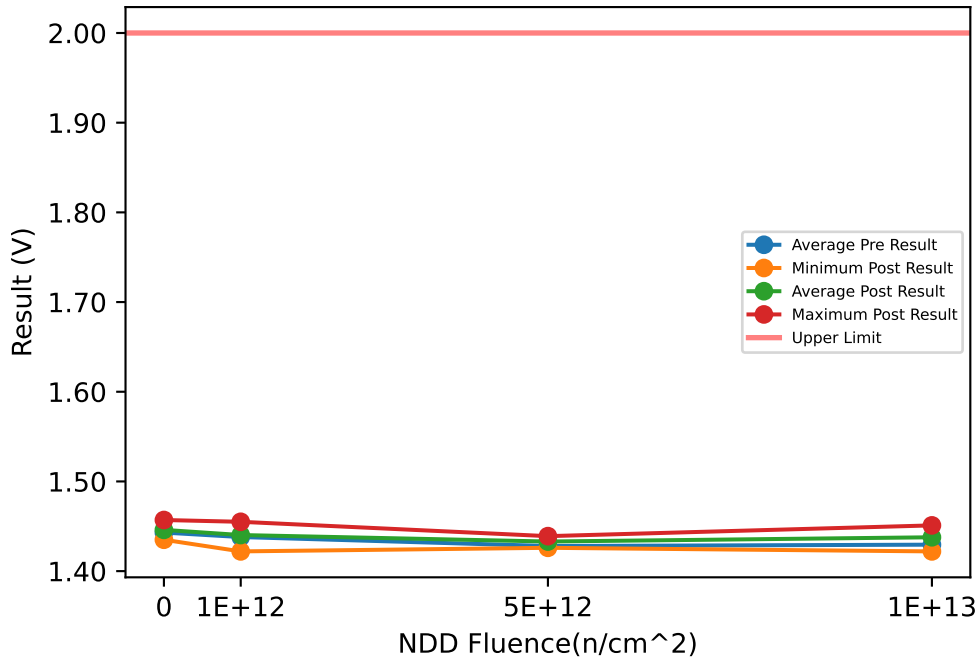


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.199	1.1995	1.2	0.00070711	1.199	1.1995	1.2	0.00070711	0	0	0	0
1e+12	1.199	1.2	1.201	0.0008165	1.198	1.199	1.2	0.0008165	-0.001	-0.001	-0.001	1.282e-16
5e+12	1.2	1.2	1.2	0	1.197	1.1972	1.198	0.0005	-0.003	-0.00275	-0.002	0.0005
1e+13	1.199	1.1995	1.2	0.00057735	1.193	1.1938	1.195	0.00095743	-0.006	-0.00575	-0.005	0.0005

Device Test: 6.140; VIN_VALID

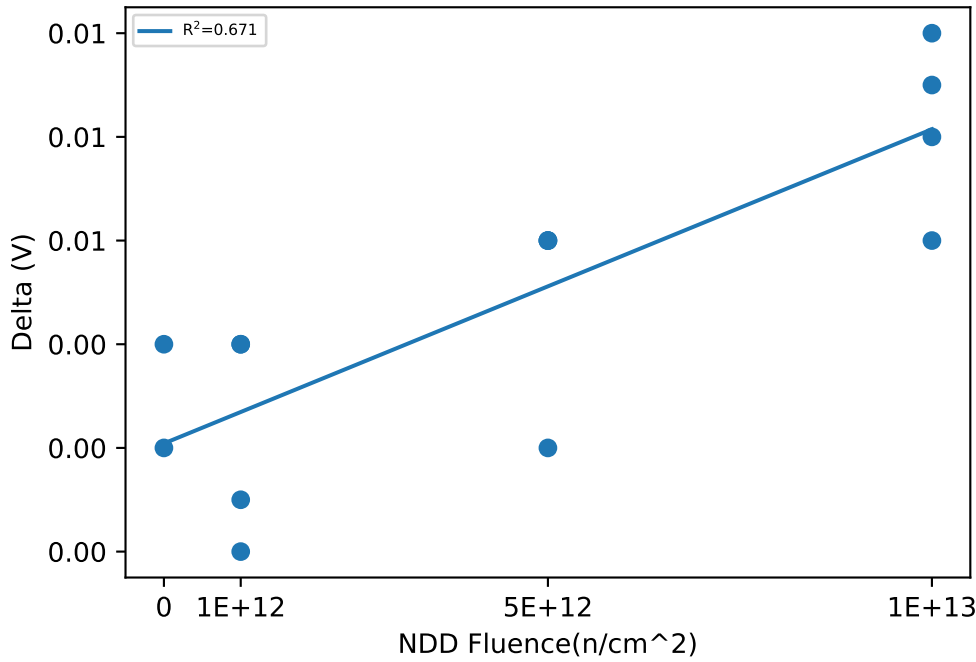
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.453	1.457	0.004
301	0	Correlation	1.433	1.435	0.002
353	1e+12	NDD Unbiased	1.418	1.422	0.004
354	1e+12	NDD Unbiased	1.455	1.455	0
355	1e+12	NDD Unbiased	1.43	1.431	0.001
356	1e+12	NDD Unbiased	1.449	1.453	0.004
357	5e+12	NDD Unbiased	1.424	1.43	0.006
358	5e+12	NDD Unbiased	1.424	1.426	0.002
359	5e+12	NDD Unbiased	1.433	1.439	0.006
360	5e+12	NDD Unbiased	1.431	1.437	0.006
361	1e+13	NDD Unbiased	1.441	1.451	0.01
362	1e+13	NDD Unbiased	1.422	1.431	0.009
363	1e+13	NDD Unbiased	1.441	1.447	0.006
364	1e+13	NDD Unbiased	1.414	1.422	0.008

NDD vs Post - Pre Exposure Delta

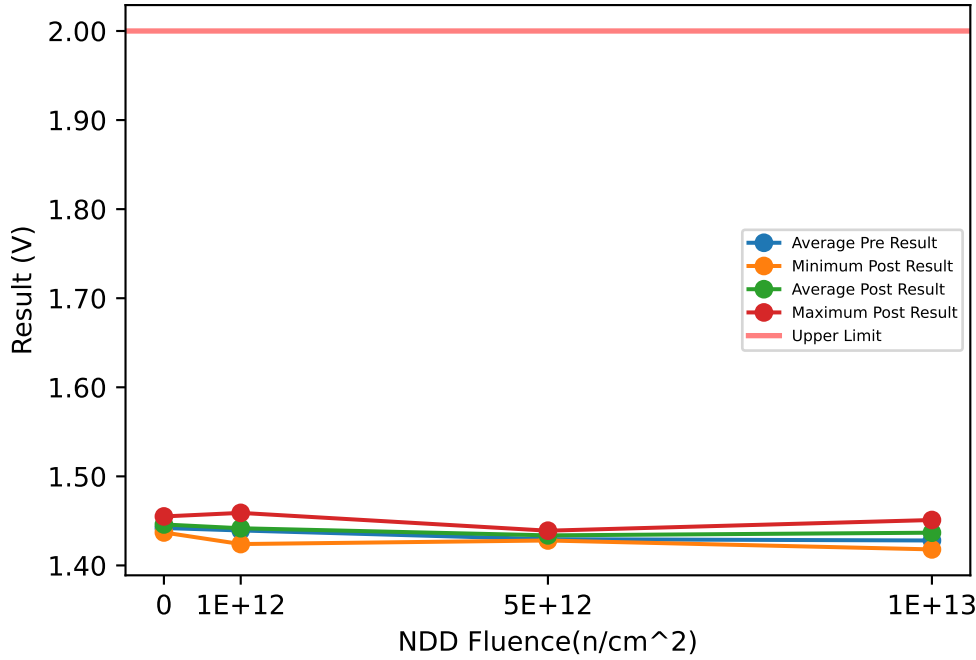


Test Statistics (V)

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	1.433	1.443	1.453	0.014142	1.435	1.446	1.457	0.015556	0.002	0.003	0.004	0.0014142
1e+12	1.418	1.438	1.455	0.017068	1.422	1.4403	1.455	0.016317	0	0.00225	0.004	0.0020616
5e+12	1.424	1.428	1.433	0.0046904	1.426	1.433	1.439	0.0060553	0.002	0.005	0.006	0.002
1e+13	1.414	1.4295	1.441	0.013675	1.422	1.4378	1.451	0.013598	0.006	0.00825	0.01	0.0017078

Device Test: 6.141; VIN_VALID

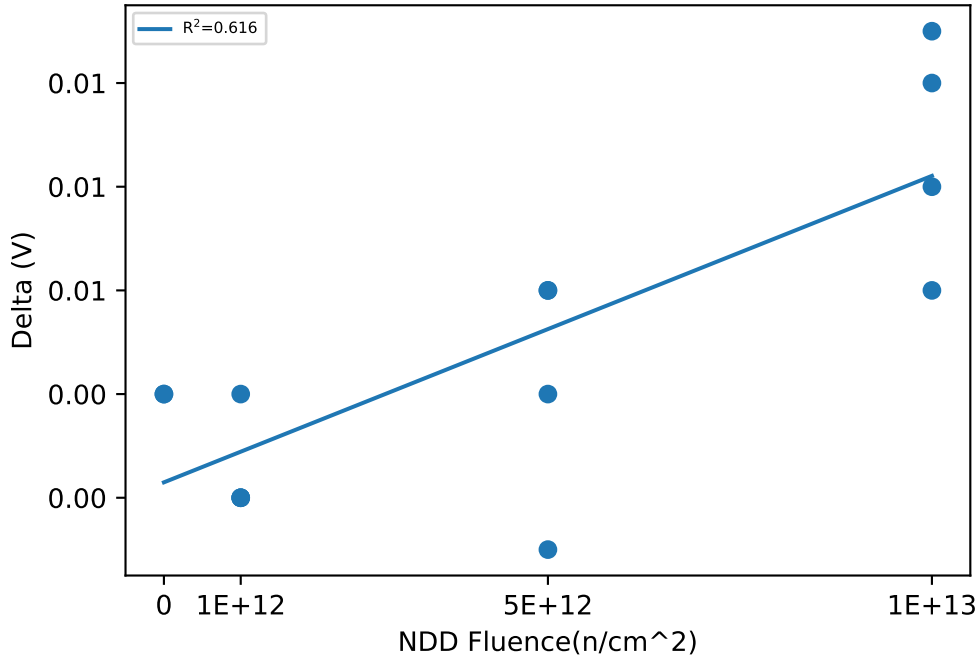
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.451	1.455	0.004
301	0	Correlation	1.433	1.437	0.004
353	1e+12	NDD Unbiased	1.42	1.424	0.004
354	1e+12	NDD Unbiased	1.457	1.459	0.002
355	1e+12	NDD Unbiased	1.431	1.433	0.002
356	1e+12	NDD Unbiased	1.449	1.451	0.002
357	5e+12	NDD Unbiased	1.422	1.428	0.006
358	5e+12	NDD Unbiased	1.43	1.431	0.001
359	5e+12	NDD Unbiased	1.435	1.439	0.004
360	5e+12	NDD Unbiased	1.431	1.437	0.006
361	1e+13	NDD Unbiased	1.441	1.451	0.01
362	1e+13	NDD Unbiased	1.42	1.431	0.011
363	1e+13	NDD Unbiased	1.441	1.447	0.006
364	1e+13	NDD Unbiased	1.41	1.418	0.008

NDD vs Post - Pre Exposure Delta

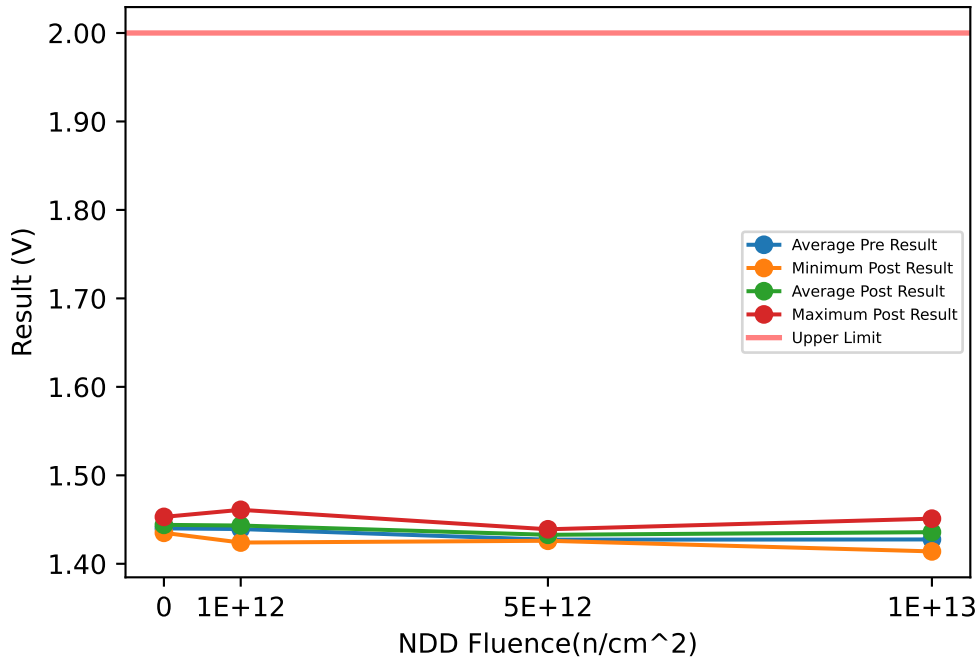


Test Statistics (V)

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	1.433	1.442	1.451	0.012728	1.437	1.446	1.455	0.012728	0.004	0.004	0.004	0
1e+12	1.42	1.4392	1.457	0.01682	1.424	1.4418	1.459	0.01607	0.002	0.0025	0.004	0.001
5e+12	1.422	1.4295	1.435	0.0054467	1.428	1.4338	1.439	0.0051235	0.001	0.00425	0.006	0.0023629
1e+13	1.41	1.428	1.441	0.015556	1.418	1.4367	1.451	0.015196	0.006	0.00875	0.011	0.0022174

Device Test: 6.142; VIN_VALID

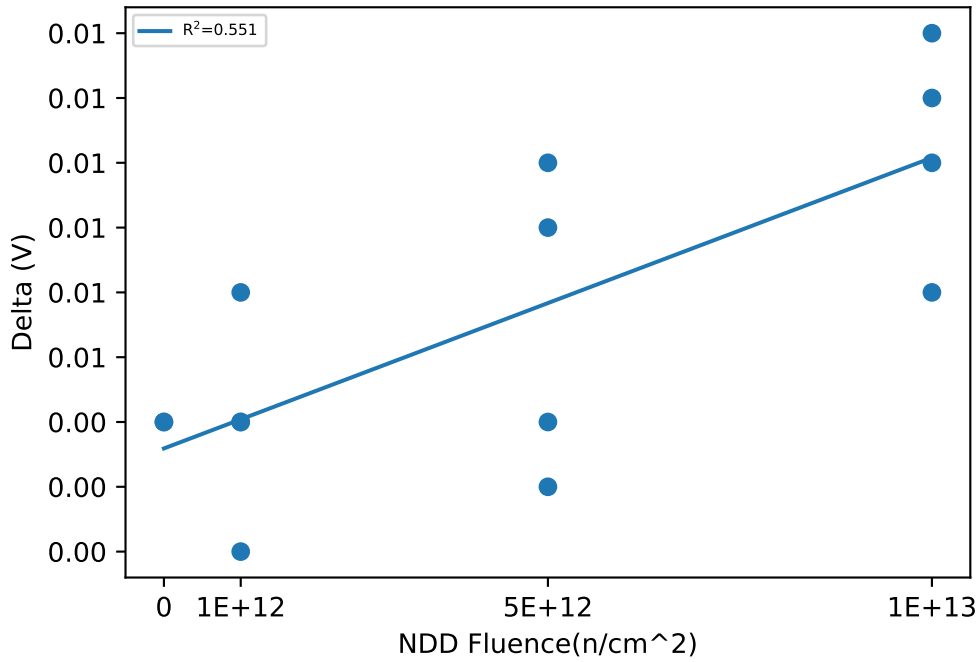
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.449	1.453	0.004
301	0	Correlation	1.431	1.435	0.004
353	1e+12	NDD Unbiased	1.418	1.424	0.006
354	1e+12	NDD Unbiased	1.459	1.461	0.002
355	1e+12	NDD Unbiased	1.431	1.435	0.004
356	1e+12	NDD Unbiased	1.449	1.453	0.004
357	5e+12	NDD Unbiased	1.418	1.426	0.008
358	5e+12	NDD Unbiased	1.428	1.431	0.003
359	5e+12	NDD Unbiased	1.435	1.439	0.004
360	5e+12	NDD Unbiased	1.428	1.435	0.007
361	1e+13	NDD Unbiased	1.441	1.451	0.01
362	1e+13	NDD Unbiased	1.422	1.431	0.009
363	1e+13	NDD Unbiased	1.441	1.447	0.006
364	1e+13	NDD Unbiased	1.406	1.414	0.008

NDD vs Post - Pre Exposure Delta

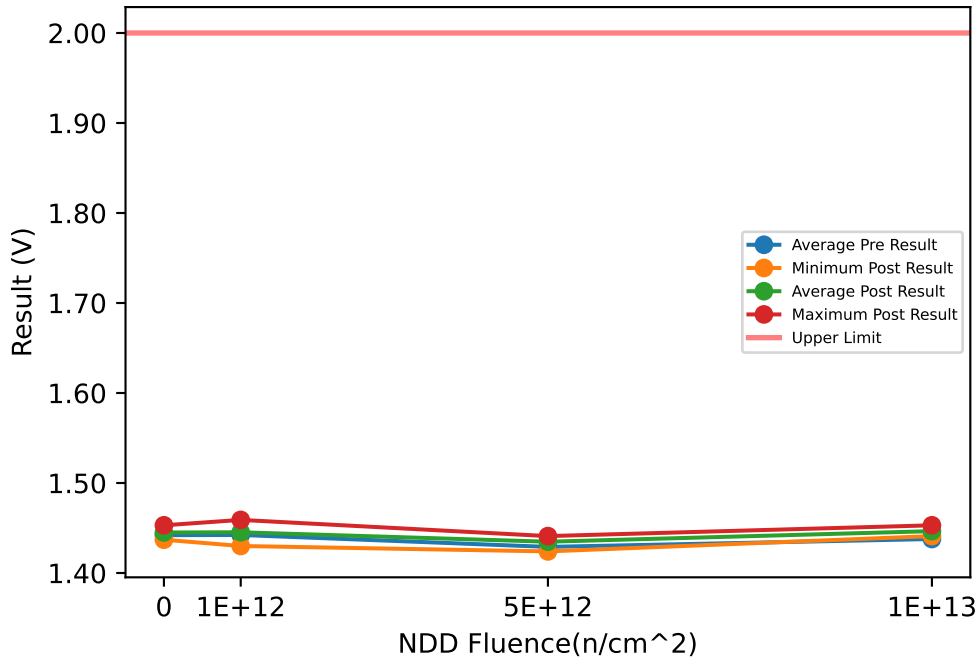


Test Statistics (V)

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	1.431	1.44	1.449	0.012728	1.435	1.444	1.453	0.012728	0.004	0.004	0.004	0
1e+12	1.418	1.4392	1.459	0.018301	1.424	1.4432	1.461	0.01682	0.002	0.004	0.006	0.001633
5e+12	1.418	1.4272	1.435	0.006994	1.426	1.4327	1.439	0.0055603	0.003	0.0055	0.008	0.0023805
1e+13	1.406	1.4275	1.441	0.016902	1.414	1.4358	1.451	0.016879	0.006	0.00825	0.01	0.0017078

Device Test: 6.143; VIN_VALID

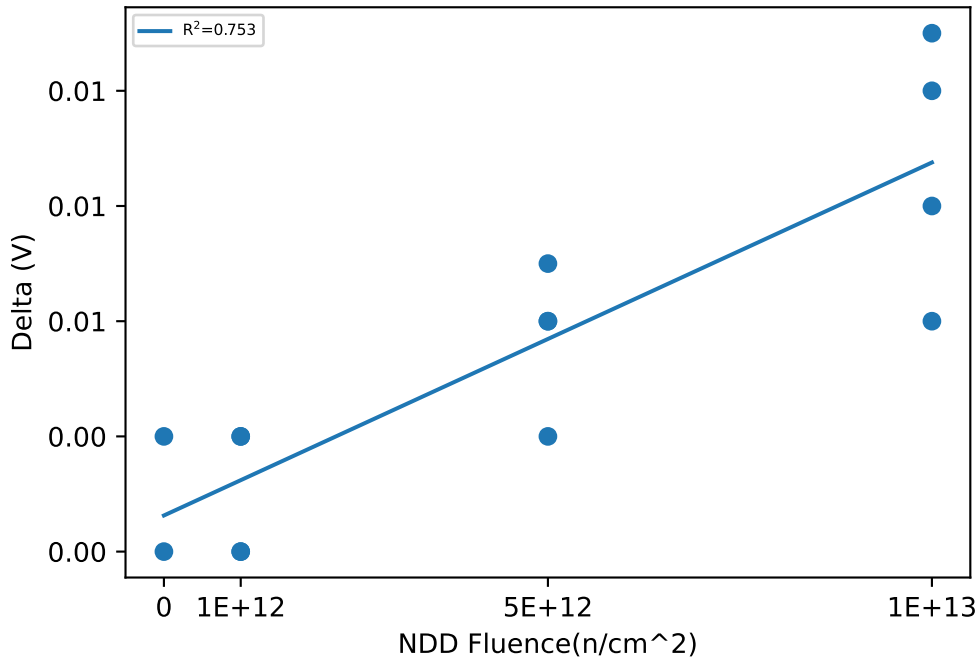
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.449	1.453	0.004
301	0	Correlation	1.435	1.437	0.002
353	1e+12	NDD Unbiased	1.426	1.43	0.004
354	1e+12	NDD Unbiased	1.457	1.459	0.002
355	1e+12	NDD Unbiased	1.435	1.439	0.004
356	1e+12	NDD Unbiased	1.451	1.453	0.002
357	5e+12	NDD Unbiased	1.418	1.424	0.006
358	5e+12	NDD Unbiased	1.437	1.441	0.004
359	5e+12	NDD Unbiased	1.435	1.441	0.006
360	5e+12	NDD Unbiased	1.426	1.433	0.007
361	1e+13	NDD Unbiased	1.443	1.453	0.01
362	1e+13	NDD Unbiased	1.43	1.441	0.011
363	1e+13	NDD Unbiased	1.445	1.451	0.006
364	1e+13	NDD Unbiased	1.433	1.441	0.008

NDD vs Post - Pre Exposure Delta

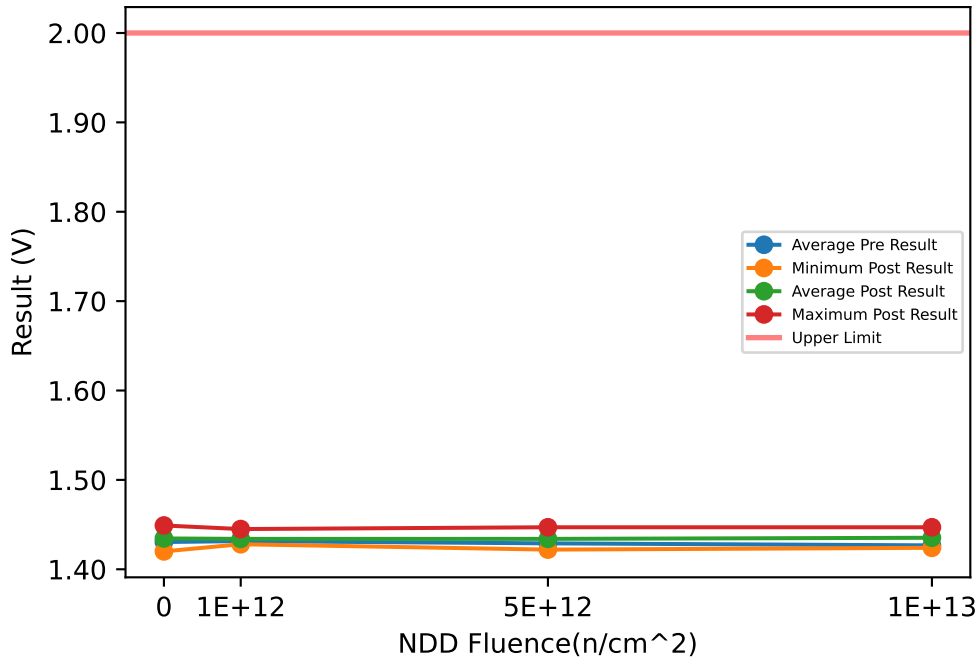


Test Statistics (V)

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	1.435	1.442	1.449	0.0098995	1.437	1.445	1.453	0.011314	0.002	0.003	0.004	0.0014142
1e+12	1.426	1.4423	1.457	0.014268	1.43	1.4453	1.459	0.013175	0.002	0.003	0.004	0.0011547
5e+12	1.418	1.429	1.437	0.008756	1.424	1.4347	1.441	0.0080984	0.004	0.00575	0.007	0.0012583
1e+13	1.43	1.4378	1.445	0.0073655	1.441	1.4465	1.453	0.0064031	0.006	0.00875	0.011	0.0022174

Device Test: 6.144; VIN_VALID

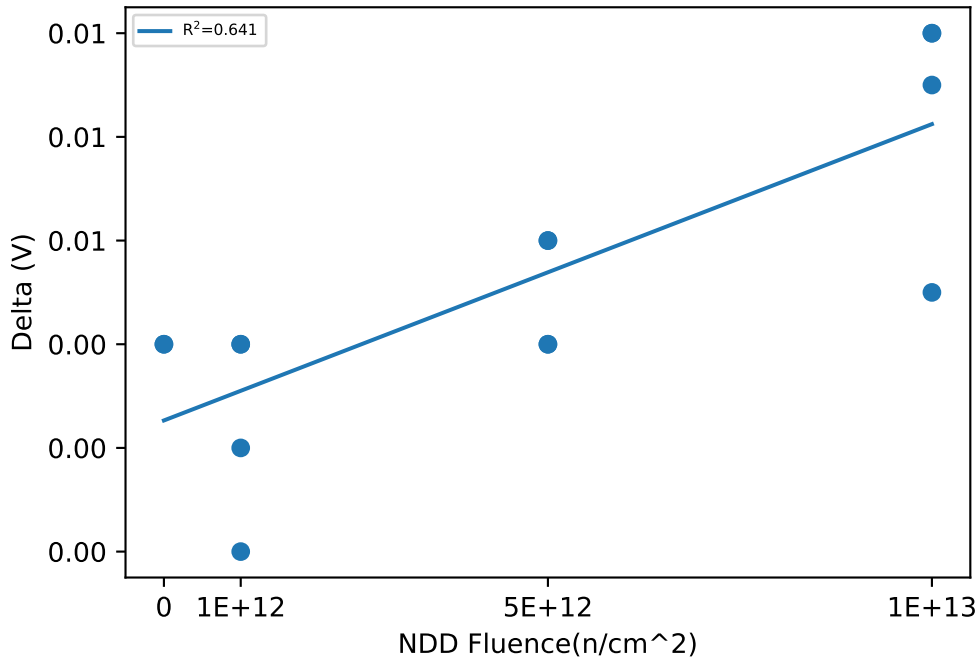
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.445	1.449	0.004
301	0	Correlation	1.416	1.42	0.004
353	1e+12	NDD Unbiased	1.424	1.428	0.004
354	1e+12	NDD Unbiased	1.435	1.435	0
355	1e+12	NDD Unbiased	1.424	1.428	0.004
356	1e+12	NDD Unbiased	1.443	1.445	0.002
357	5e+12	NDD Unbiased	1.441	1.447	0.006
358	5e+12	NDD Unbiased	1.439	1.443	0.004
359	5e+12	NDD Unbiased	1.42	1.424	0.004
360	5e+12	NDD Unbiased	1.416	1.422	0.006
361	1e+13	NDD Unbiased	1.428	1.437	0.009
362	1e+13	NDD Unbiased	1.414	1.424	0.01
363	1e+13	NDD Unbiased	1.428	1.433	0.005
364	1e+13	NDD Unbiased	1.437	1.447	0.01

NDD vs Post - Pre Exposure Delta

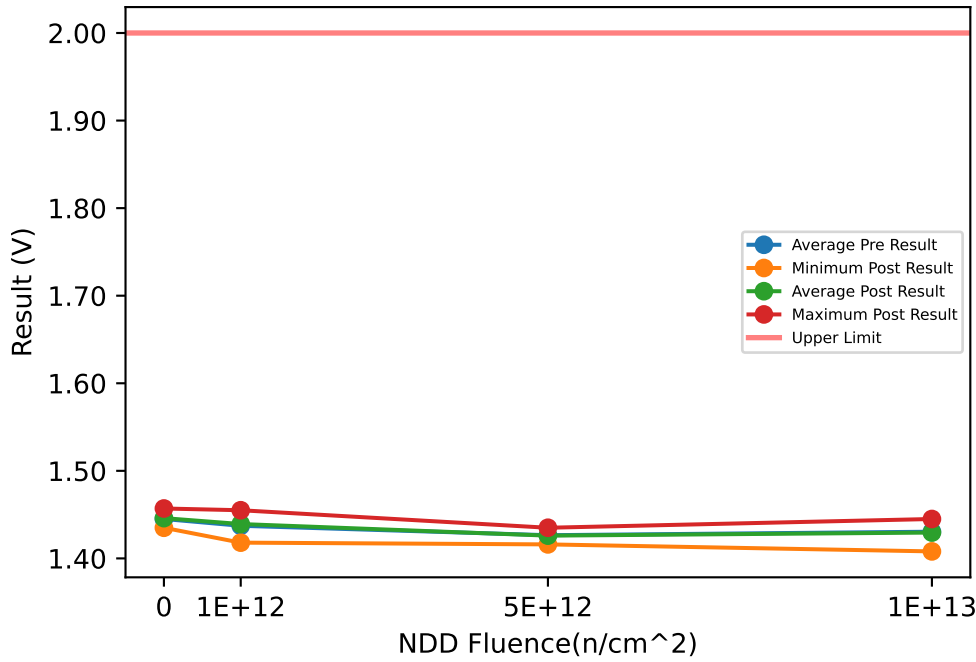


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.416	1.4305	1.445	0.020506	1.42	1.4345	1.449	0.020506	0.004	0.004	0.004	0
1e+12	1.424	1.4315	1.443	0.0092556	1.428	1.434	1.445	0.0080416	0	0.0025	0.004	0.0019149
5e+12	1.416	1.429	1.441	0.012832	1.422	1.434	1.447	0.012832	0.004	0.005	0.006	0.0011547
1e+13	1.414	1.4267	1.437	0.0095	1.424	1.4352	1.447	0.009535	0.005	0.0085	0.01	0.0023805

Device Test: 6.145; VIN_VALID

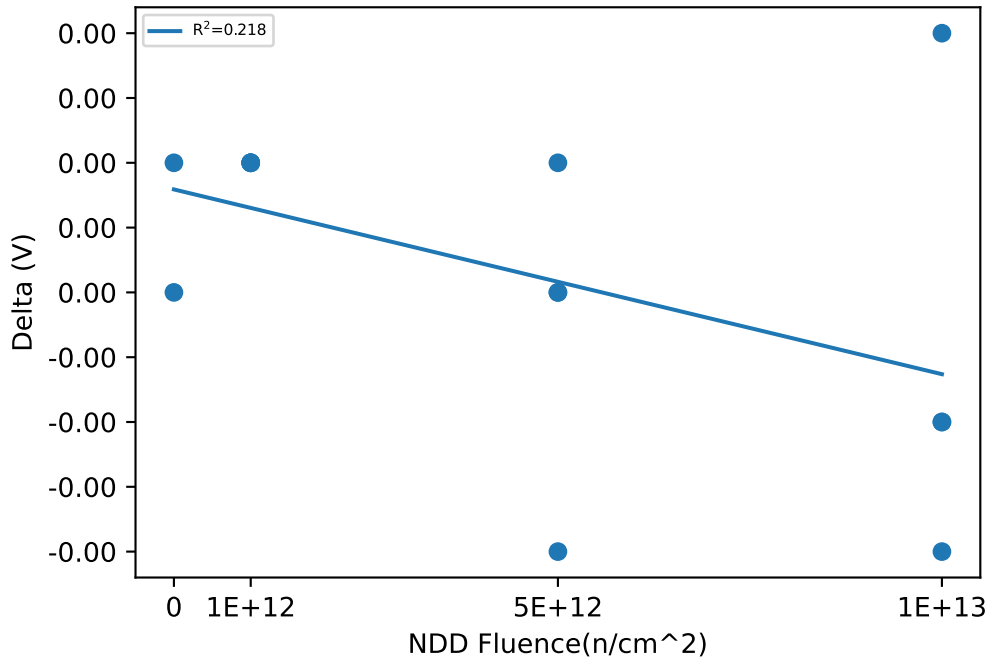
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.457	1.457	0
301	0	Correlation	1.433	1.435	0.002
353	1e+12	NDD Unbiased	1.416	1.418	0.002
354	1e+12	NDD Unbiased	1.453	1.455	0.002
355	1e+12	NDD Unbiased	1.431	1.433	0.002
356	1e+12	NDD Unbiased	1.449	1.451	0.002
357	5e+12	NDD Unbiased	1.42	1.42	0
358	5e+12	NDD Unbiased	1.42	1.416	-0.004
359	5e+12	NDD Unbiased	1.435	1.435	0
360	5e+12	NDD Unbiased	1.431	1.433	0.002
361	1e+13	NDD Unbiased	1.447	1.445	-0.002
362	1e+13	NDD Unbiased	1.42	1.424	0.004
363	1e+13	NDD Unbiased	1.443	1.441	-0.002
364	1e+13	NDD Unbiased	1.412	1.408	-0.004

NDD vs Post - Pre Exposure Delta

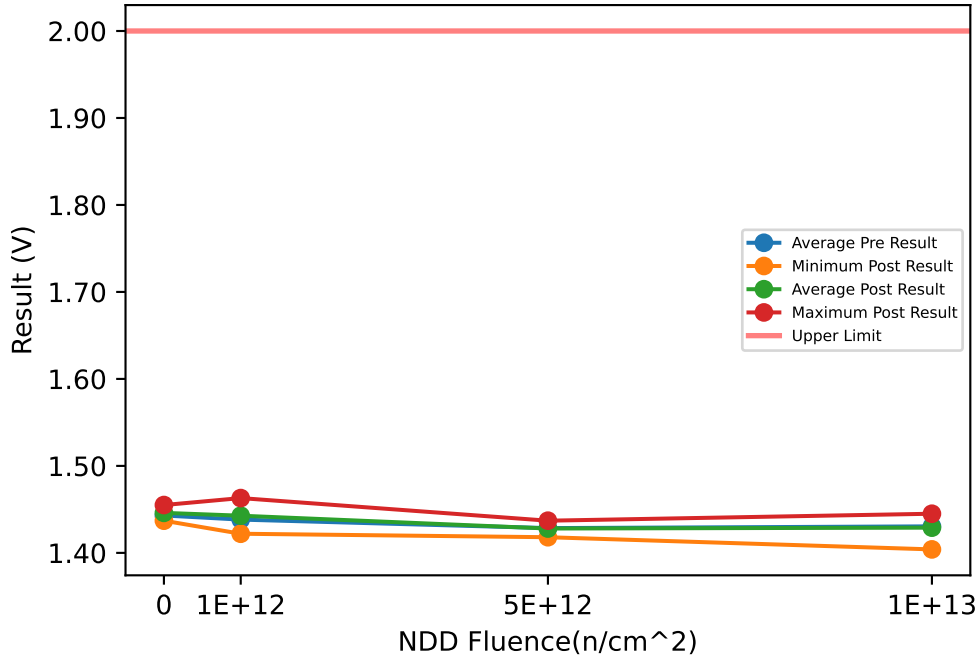


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.433	1.445	1.457	0.016971	1.435	1.446	1.457	0.015556	0	0.001	0.002	0.0014142
1e+12	1.416	1.4373	1.453	0.017095	1.418	1.4392	1.455	0.017095	0.002	0.002	0.002	0
5e+12	1.42	1.4265	1.435	0.0076811	1.416	1.426	1.435	0.0094163	-0.004	-0.0005	0.002	0.0025166
1e+13	1.412	1.4305	1.447	0.017137	1.408	1.4295	1.445	0.01698	-0.004	-0.001	0.004	0.0034641

Device Test: 6.146; VIN_VALID

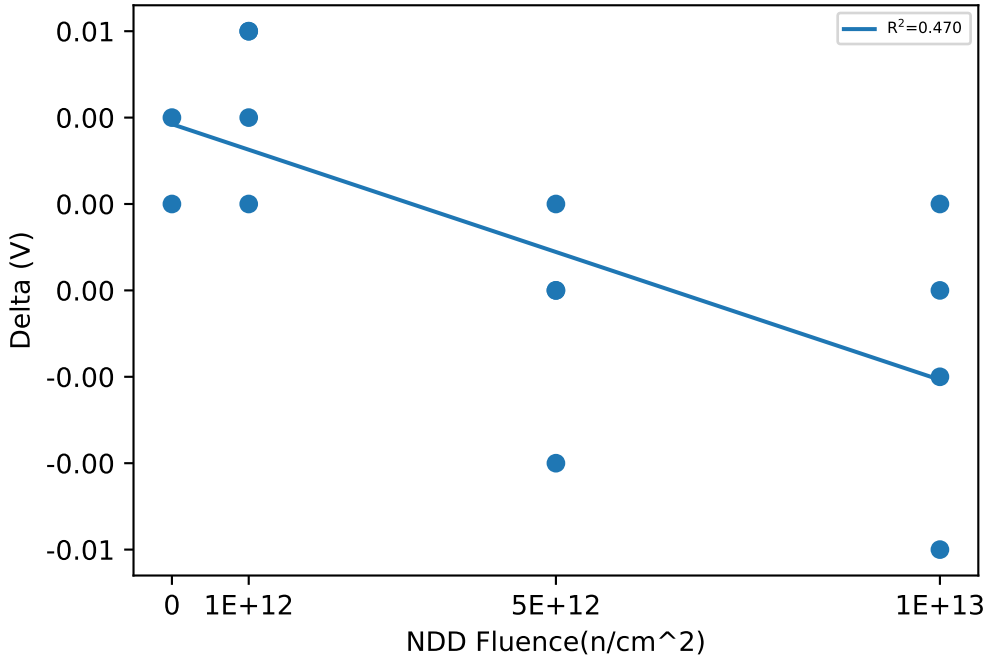
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.451	1.455	0.004
301	0	Correlation	1.435	1.437	0.002
353	1e+12	NDD Unbiased	1.416	1.422	0.006
354	1e+12	NDD Unbiased	1.457	1.463	0.006
355	1e+12	NDD Unbiased	1.431	1.435	0.004
356	1e+12	NDD Unbiased	1.449	1.451	0.002
357	5e+12	NDD Unbiased	1.418	1.418	0
358	5e+12	NDD Unbiased	1.428	1.424	-0.004
359	5e+12	NDD Unbiased	1.437	1.437	0
360	5e+12	NDD Unbiased	1.431	1.433	0.002
361	1e+13	NDD Unbiased	1.443	1.445	0.002
362	1e+13	NDD Unbiased	1.426	1.426	0
363	1e+13	NDD Unbiased	1.443	1.441	-0.002
364	1e+13	NDD Unbiased	1.41	1.404	-0.006

NDD vs Post - Pre Exposure Delta

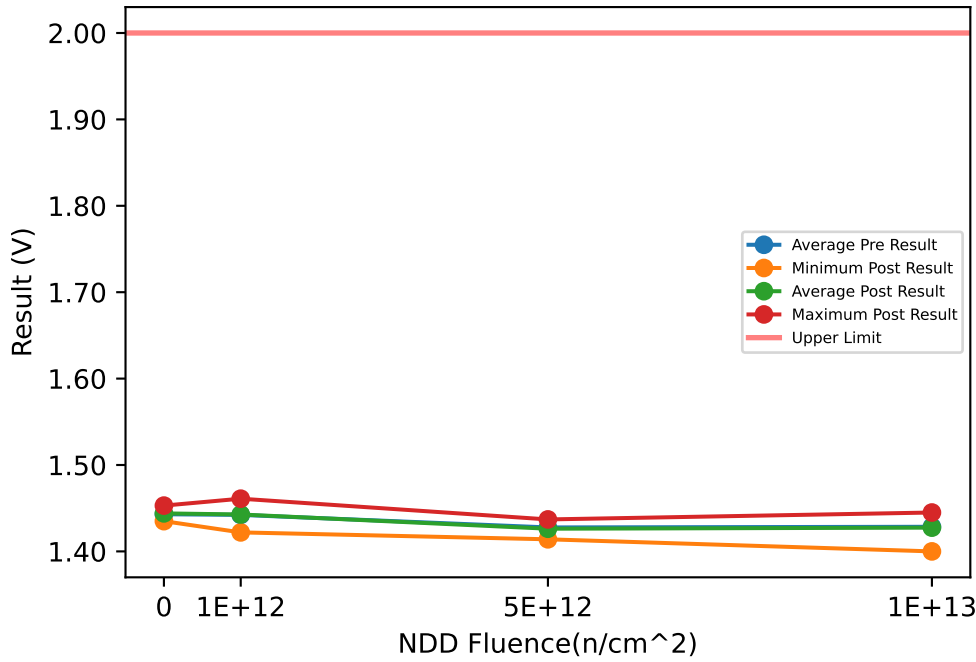


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.435	1.443	1.451	0.011314	1.437	1.446	1.455	0.012728	0.002	0.003	0.004	0.0014142
1e+12	1.416	1.4383	1.457	0.018392	1.422	1.4427	1.463	0.01797	0.002	0.0045	0.006	0.0019149
5e+12	1.418	1.4285	1.437	0.0079373	1.418	1.428	1.437	0.0086023	-0.004	-0.0005	0.002	0.0025166
1e+13	1.41	1.4305	1.443	0.015843	1.404	1.429	1.445	0.018565	-0.006	-0.0015	0.002	0.0034157

Device Test: 6.147; VIN_VALID

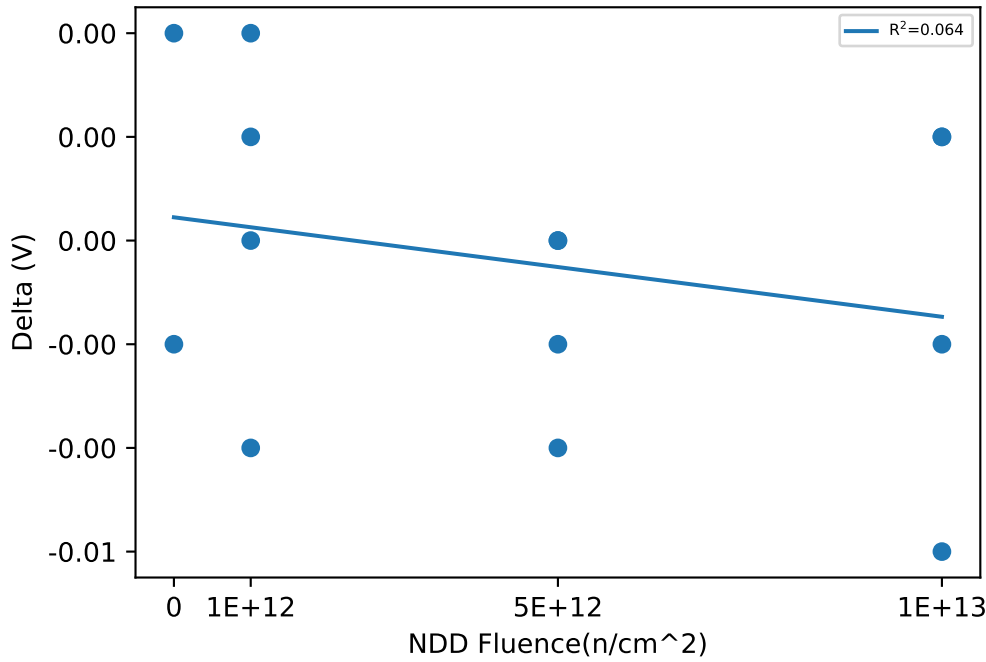
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.449	1.453	0.004
301	0	Correlation	1.437	1.435	-0.002
353	1e+12	NDD Unbiased	1.42	1.422	0.002
354	1e+12	NDD Unbiased	1.461	1.461	0
355	1e+12	NDD Unbiased	1.439	1.435	-0.004
356	1e+12	NDD Unbiased	1.449	1.453	0.004
357	5e+12	NDD Unbiased	1.416	1.414	-0.002
358	5e+12	NDD Unbiased	1.428	1.424	-0.004
359	5e+12	NDD Unbiased	1.437	1.437	0
360	5e+12	NDD Unbiased	1.43	1.43	0
361	1e+13	NDD Unbiased	1.443	1.445	0.002
362	1e+13	NDD Unbiased	1.422	1.424	0.002
363	1e+13	NDD Unbiased	1.447	1.441	-0.006
364	1e+13	NDD Unbiased	1.402	1.4	-0.002

NDD vs Post - Pre Exposure Delta

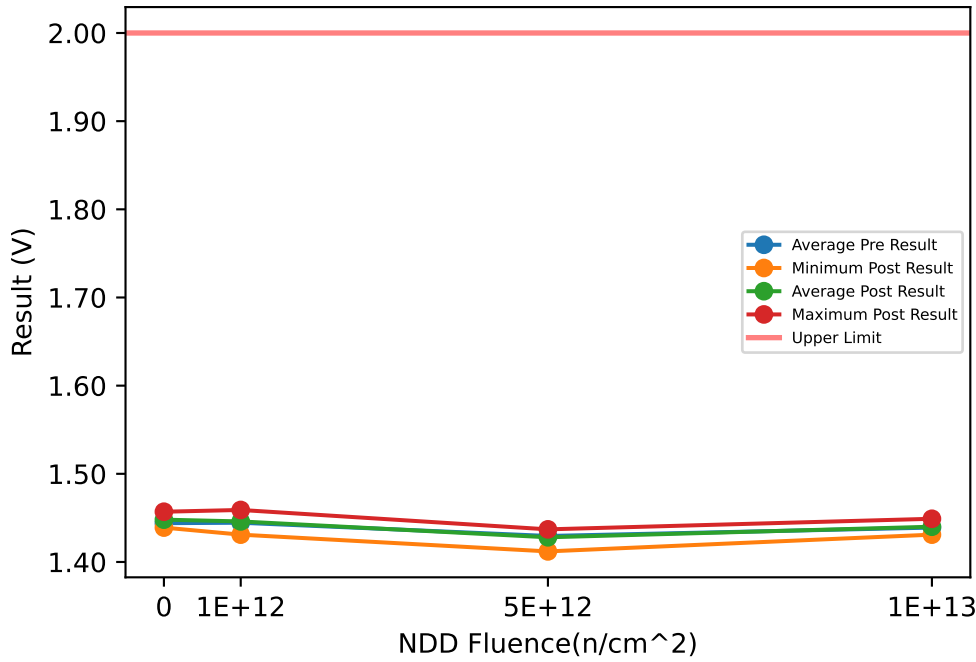


Test Statistics (V)

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	1.437	1.443	1.449	0.0084853	1.435	1.444	1.453	0.012728	-0.002	0.001	0.004	0.0042426
1e+12	1.42	1.4423	1.461	0.017347	1.422	1.4427	1.461	0.017595	-0.004	0.0005	0.004	0.0034157
5e+12	1.416	1.4278	1.437	0.0087321	1.414	1.4263	1.437	0.0097425	-0.004	-0.0015	0	0.0019149
1e+13	1.402	1.4285	1.447	0.020793	1.4	1.4275	1.445	0.020469	-0.006	-0.001	0.002	0.0038297

Device Test: 6.148; VIN_VALID

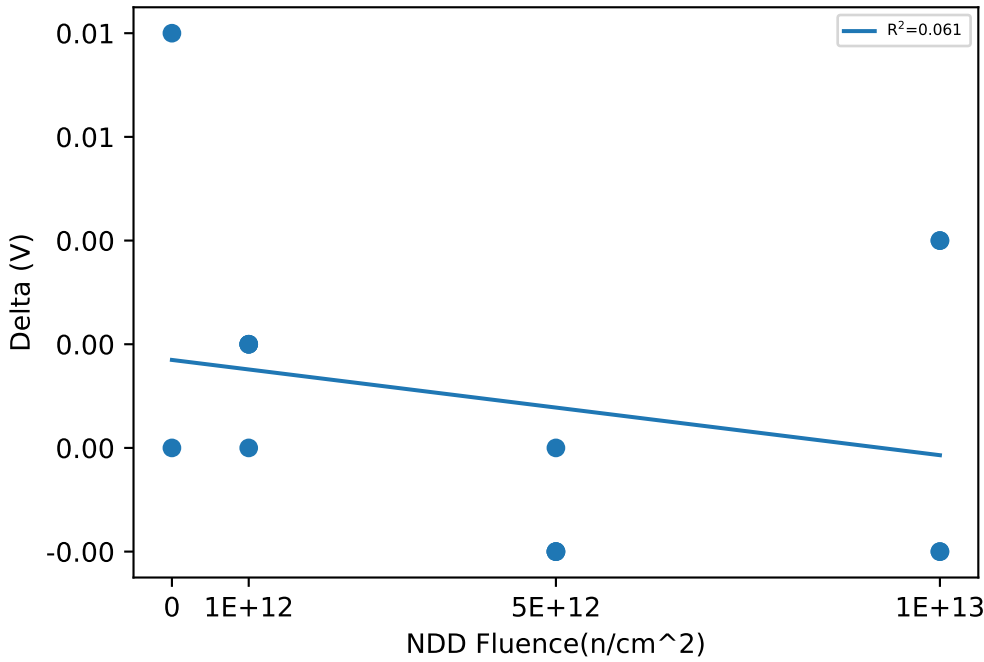
NDD vs Result Stats



Test Results (Upper Limit = 2.0 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.449	1.457	0.008
301	0	Correlation	1.439	1.439	0
353	1e+12	NDD Unbiased	1.431	1.431	0
354	1e+12	NDD Unbiased	1.457	1.459	0.002
355	1e+12	NDD Unbiased	1.437	1.439	0.002
356	1e+12	NDD Unbiased	1.453	1.455	0.002
357	5e+12	NDD Unbiased	1.414	1.412	-0.002
358	5e+12	NDD Unbiased	1.437	1.435	-0.002
359	5e+12	NDD Unbiased	1.439	1.437	-0.002
360	5e+12	NDD Unbiased	1.428	1.428	0
361	1e+13	NDD Unbiased	1.445	1.449	0.004
362	1e+13	NDD Unbiased	1.431	1.435	0.004
363	1e+13	NDD Unbiased	1.447	1.445	-0.002
364	1e+13	NDD Unbiased	1.433	1.431	-0.002

NDD vs Post - Pre Exposure Delta

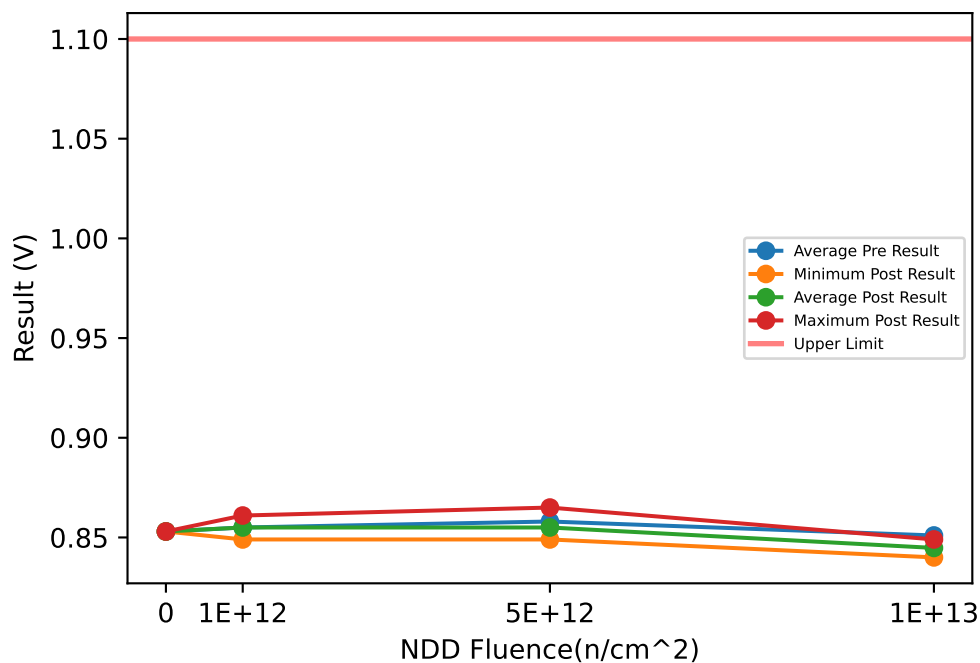


Test Statistics (V)

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	1.439	1.444	1.449	0.0070711	1.439	1.448	1.457	0.012728	0	0.004	0.008	0.0056569
1e+12	1.431	1.4445	1.457	0.012477	1.431	1.446	1.459	0.013216	0	0.0015	0.002	0.001
5e+12	1.414	1.4295	1.439	0.011387	1.412	1.428	1.437	0.011343	-0.002	-0.0015	0	0.001
1e+13	1.431	1.439	1.447	0.008165	1.431	1.44	1.449	0.0084063	-0.002	0.001	0.004	0.0034641

Device Test: 6.149; VPULLUP_VALID

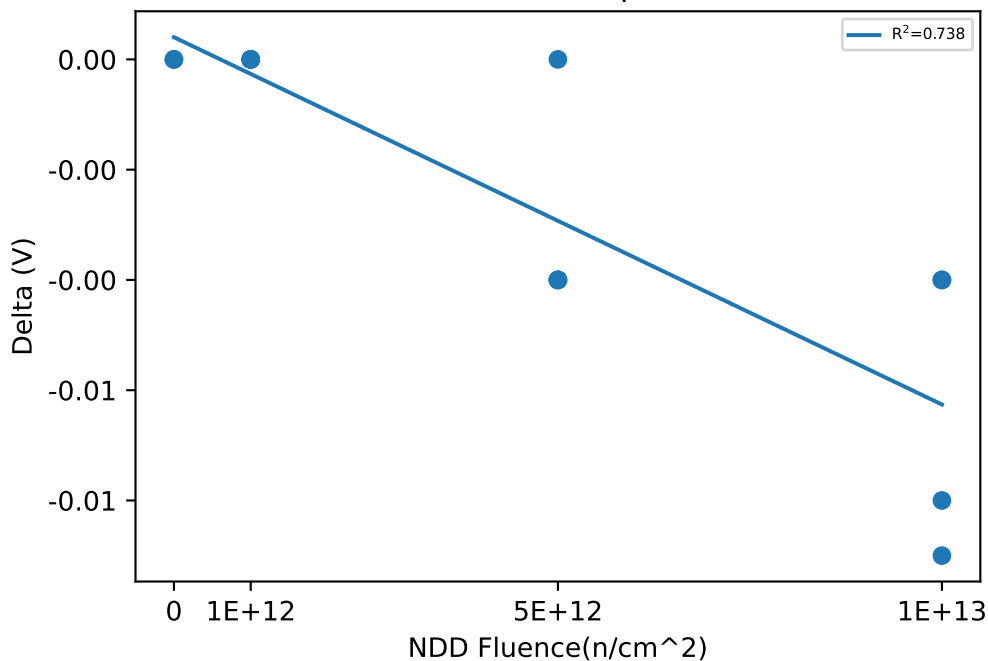
NDD vs Result Stats



Test Results (Upper Limit = 1.1 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.853	0.853	0
301	0	Correlation	0.853	0.853	0
353	1e+12	NDD Unbiased	0.849	0.849	0
354	1e+12	NDD Unbiased	0.857	0.857	0
355	1e+12	NDD Unbiased	0.853	0.853	0
356	1e+12	NDD Unbiased	0.861	0.861	0
357	5e+12	NDD Unbiased	0.857	0.853	-0.004
358	5e+12	NDD Unbiased	0.853	0.849	-0.004
359	5e+12	NDD Unbiased	0.865	0.865	0
360	5e+12	NDD Unbiased	0.857	0.853	-0.004
361	1e+13	NDD Unbiased	0.849	0.84	-0.009
362	1e+13	NDD Unbiased	0.853	0.849	-0.004
363	1e+13	NDD Unbiased	0.853	0.845	-0.008
364	1e+13	NDD Unbiased	0.849	0.845	-0.004

NDD vs Post - Pre Exposure Delta

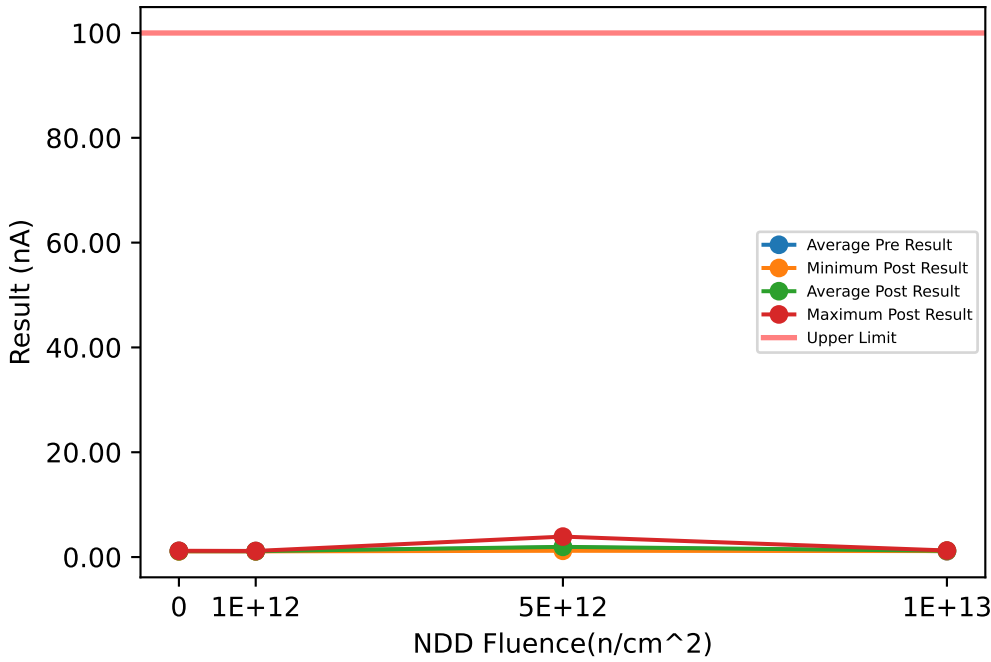


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.853	0.853	0.853	0	0.853	0.853	0.853	0	0	0	0	0
1e+12	0.849	0.855	0.861	0.005164	0.849	0.855	0.861	0.005164	0	0	0	0
5e+12	0.853	0.858	0.865	0.0050332	0.849	0.855	0.865	0.0069282	-0.004	-0.003	0	0.002
1e+13	0.849	0.851	0.853	0.0023094	0.84	0.84475	0.849	0.0036856	-0.009	-0.00625	-0.004	0.00263

Device Test: 6.15 ; ILKG_SR_UVLO

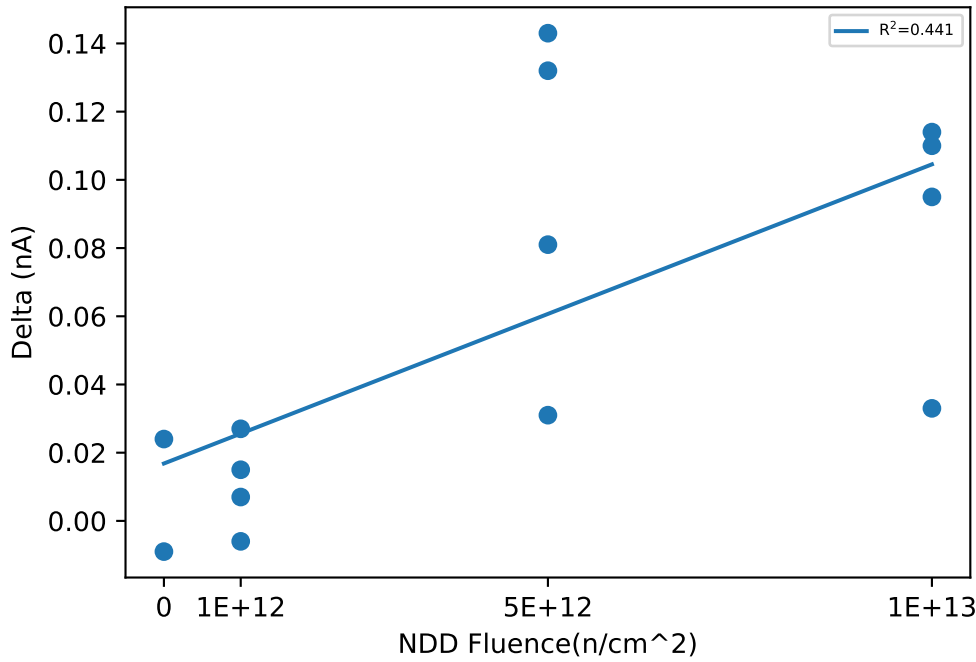
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.174	1.198	0.024
301	0	Correlation	1.089	1.08	-0.009
353	1e+12	NDD Unbiased	1.101	1.095	-0.006
354	1e+12	NDD Unbiased	1.069	1.084	0.015
355	1e+12	NDD Unbiased	1.158	1.165	0.007
356	1e+12	NDD Unbiased	1.137	1.164	0.027
357	5e+12	NDD Unbiased	1.325	1.468	0.143
358	5e+12	NDD Unbiased	1.14	1.221	0.081
359	5e+12	NDD Unbiased	1.163	1.194	0.031
360	5e+12	NDD Unbiased	3.772	3.904	0.132
361	1e+13	NDD Unbiased	1.121	1.216	0.095
362	1e+13	NDD Unbiased	1.104	1.137	0.033
363	1e+13	NDD Unbiased	1.144	1.254	0.11
364	1e+13	NDD Unbiased	1.088	1.202	0.114

NDD vs Post - Pre Exposure Delta

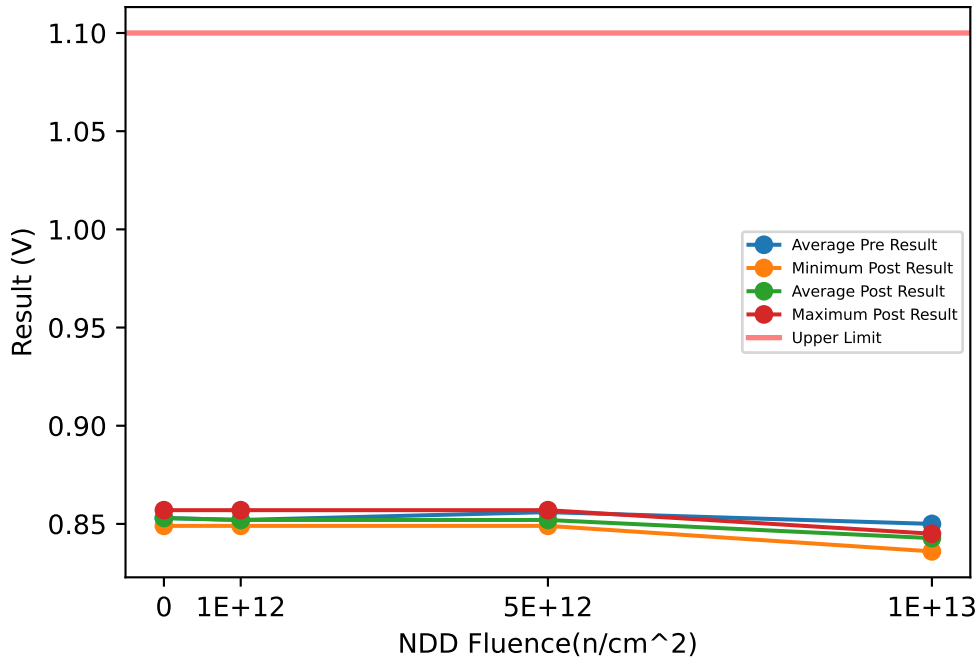


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.089	1.1315	1.174	0.060104	1.08	1.139	1.198	0.083439	-0.009	0.0075	0.024	0.023335
1e+12	1.069	1.1162	1.158	0.039322	1.084	1.127	1.165	0.043535	-0.006	0.01075	0.027	0.013865
5e+12	1.14	1.85	3.772	1.284	1.194	1.9467	3.904	1.3106	0.031	0.09675	0.143	0.051487
1e+13	1.088	1.1142	1.144	0.023977	1.137	1.2023	1.254	0.048733	0.033	0.088	0.114	0.037568

Device Test: 6.150; VPULLUP_VALID

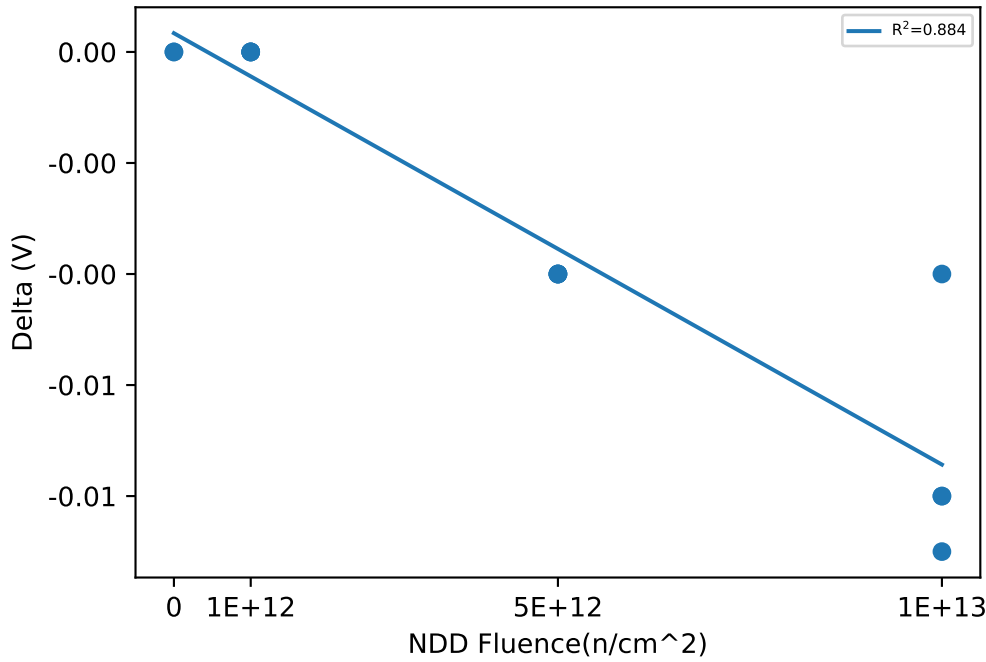
NDD vs Result Stats



Test Results (Upper Limit = 1.1 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.857	0.857	0
301	0	Correlation	0.849	0.849	0
353	1e+12	NDD Unbiased	0.853	0.853	0
354	1e+12	NDD Unbiased	0.849	0.849	0
355	1e+12	NDD Unbiased	0.849	0.849	0
356	1e+12	NDD Unbiased	0.857	0.857	0
357	5e+12	NDD Unbiased	0.853	0.849	-0.004
358	5e+12	NDD Unbiased	0.853	0.849	-0.004
359	5e+12	NDD Unbiased	0.861	0.857	-0.004
360	5e+12	NDD Unbiased	0.857	0.853	-0.004
361	1e+13	NDD Unbiased	0.849	0.845	-0.004
362	1e+13	NDD Unbiased	0.853	0.845	-0.008
363	1e+13	NDD Unbiased	0.853	0.845	-0.008
364	1e+13	NDD Unbiased	0.845	0.836	-0.009

NDD vs Post - Pre Exposure Delta

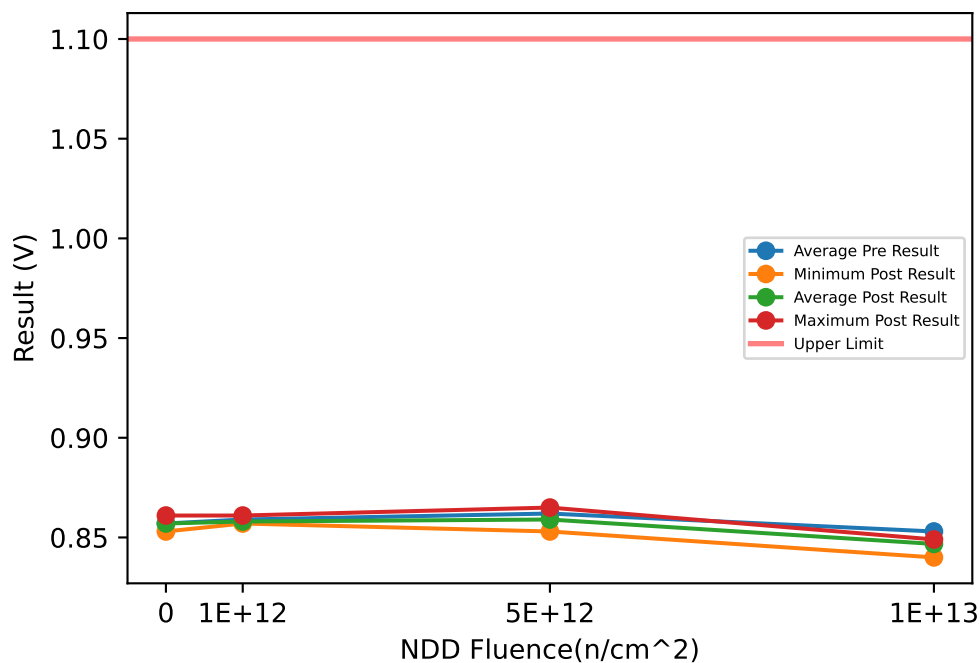


Test Statistics (V)

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	0.849	0.853	0.857	0.0056569	0.849	0.853	0.857	0.0056569	0	0	0	0
1e+12	0.849	0.852	0.857	0.0038297	0.849	0.852	0.857	0.0038297	0	0	0	0
5e+12	0.853	0.856	0.861	0.0038297	0.849	0.852	0.857	0.0038297	-0.004	-0.004	-0.004	0
1e+13	0.845	0.85	0.853	0.0038297	0.836	0.84275	0.845	0.0045	-0.009	-0.00725	-0.004	0.0022174

Device Test: 6.151; VPULLUP_VALID

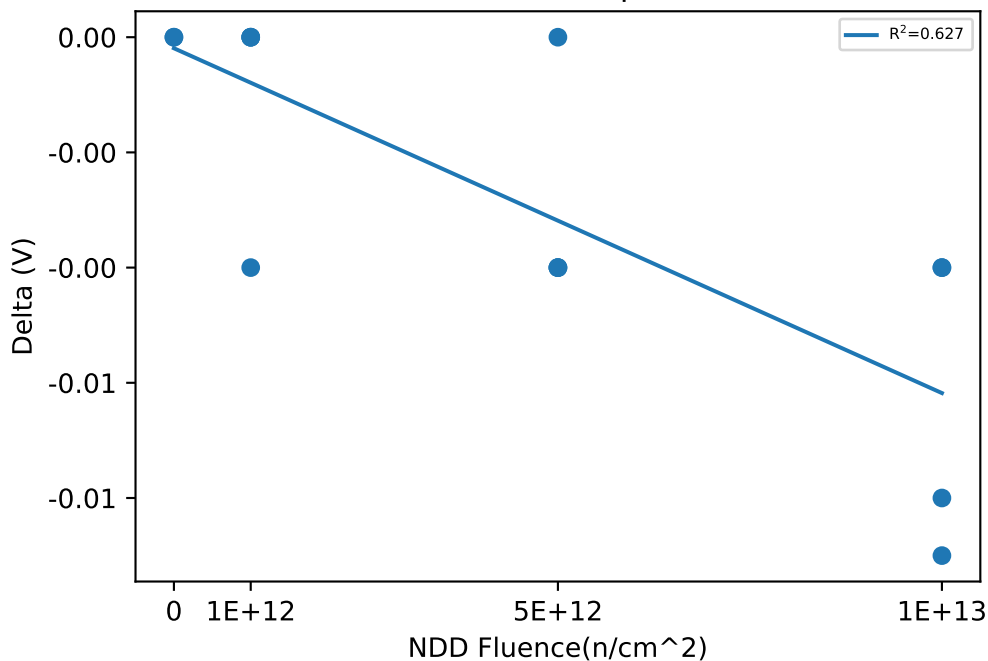
NDD vs Result Stats



Test Results (Upper Limit = 1.1 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.861	0.861	0
301	0	Correlation	0.853	0.853	0
353	1e+12	NDD Unbiased	0.857	0.857	0
354	1e+12	NDD Unbiased	0.857	0.857	0
355	1e+12	NDD Unbiased	0.857	0.857	0
356	1e+12	NDD Unbiased	0.865	0.861	-0.004
357	5e+12	NDD Unbiased	0.857	0.853	-0.004
358	5e+12	NDD Unbiased	0.857	0.857	0
359	5e+12	NDD Unbiased	0.869	0.865	-0.004
360	5e+12	NDD Unbiased	0.865	0.861	-0.004
361	1e+13	NDD Unbiased	0.853	0.849	-0.004
362	1e+13	NDD Unbiased	0.857	0.849	-0.008
363	1e+13	NDD Unbiased	0.853	0.849	-0.004
364	1e+13	NDD Unbiased	0.849	0.84	-0.009

NDD vs Post - Pre Exposure Delta

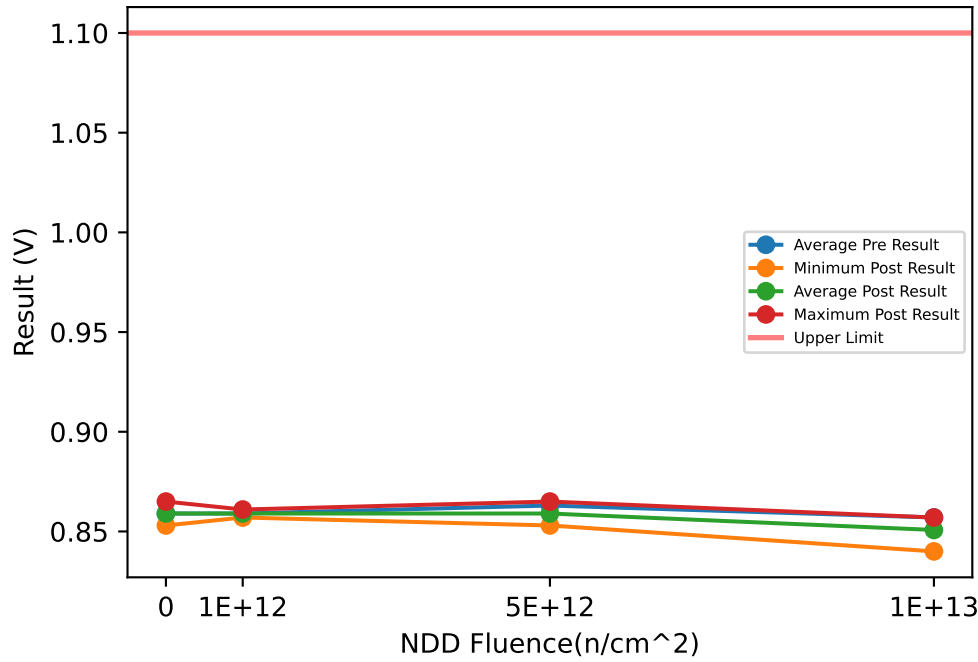


Test Statistics (V)

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	0.853	0.857	0.861	0.0056569	0.853	0.857	0.861	0.0056569	0	0	0	0
1e+12	0.857	0.859	0.865	0.004	0.857	0.858	0.861	0.002	-0.004	-0.001	0	0.002
5e+12	0.857	0.862	0.869	0.006	0.853	0.859	0.865	0.005164	-0.004	-0.003	0	0.002
1e+13	0.849	0.853	0.857	0.003266	0.84	0.84675	0.849	0.0045	-0.009	-0.00625	-0.004	0.00263

Device Test: 6.152; VPULLUP_VALID

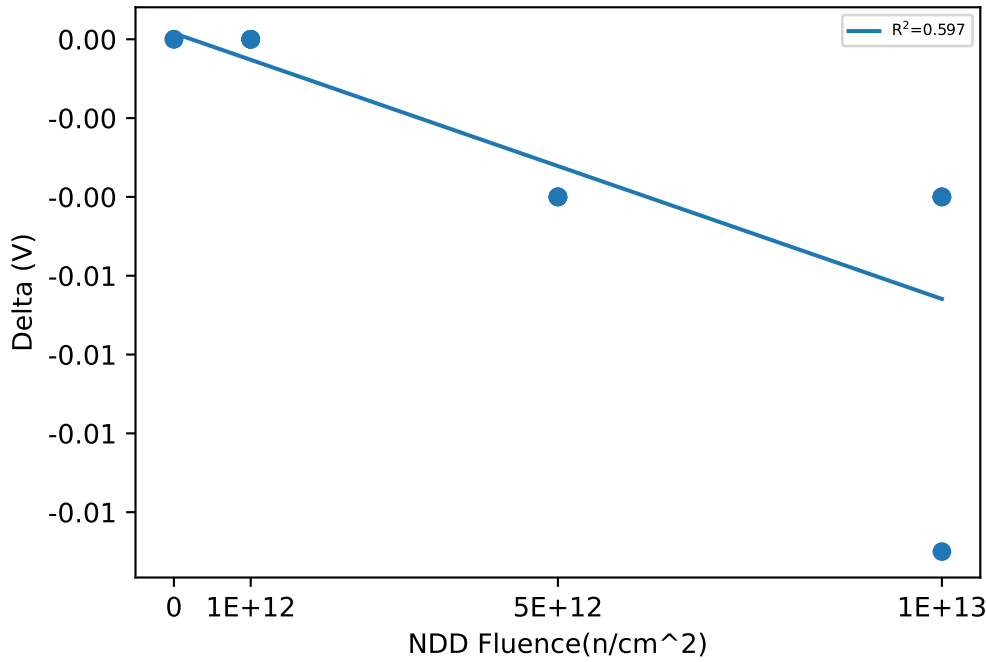
NDD vs Result Stats



Test Results (Upper Limit = 1.1 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.865	0.865	0
301	0	Correlation	0.853	0.853	0
353	1e+12	NDD Unbiased	0.861	0.861	0
354	1e+12	NDD Unbiased	0.857	0.857	0
355	1e+12	NDD Unbiased	0.857	0.857	0
356	1e+12	NDD Unbiased	0.861	0.861	0
357	5e+12	NDD Unbiased	0.861	0.857	-0.004
358	5e+12	NDD Unbiased	0.857	0.853	-0.004
359	5e+12	NDD Unbiased	0.869	0.865	-0.004
360	5e+12	NDD Unbiased	0.865	0.861	-0.004
361	1e+13	NDD Unbiased	0.857	0.853	-0.004
362	1e+13	NDD Unbiased	0.857	0.853	-0.004
363	1e+13	NDD Unbiased	0.861	0.857	-0.004
364	1e+13	NDD Unbiased	0.853	0.84	-0.013

NDD vs Post - Pre Exposure Delta

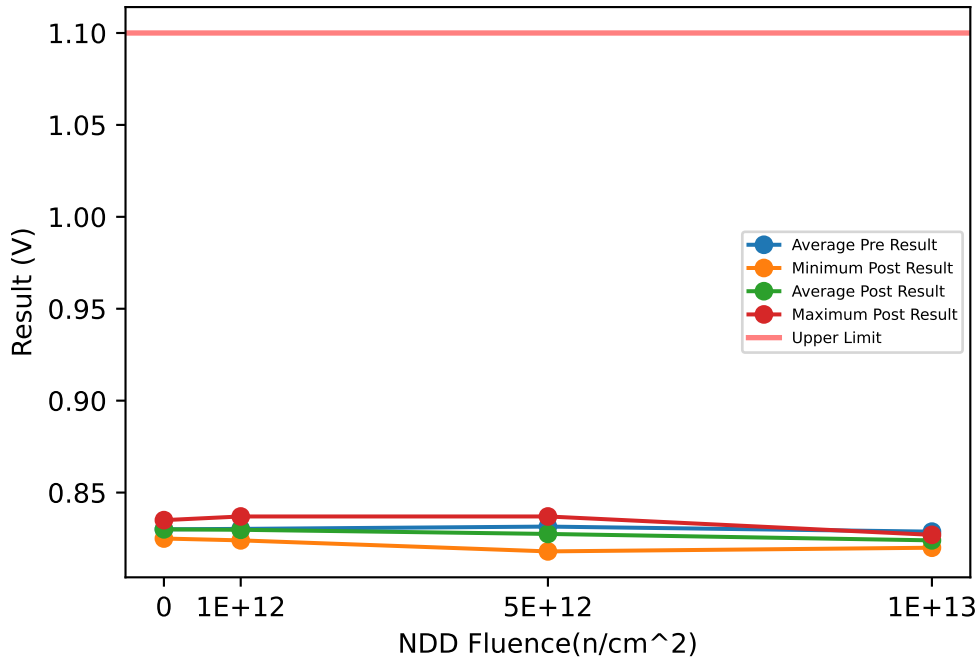


Test Statistics (V)

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	0.853	0.859	0.865	0.0084853	0.853	0.859	0.865	0.0084853	0	0	0	0
1e+12	0.857	0.859	0.861	0.0023094	0.857	0.859	0.861	0.0023094	0	0	0	0
5e+12	0.857	0.863	0.869	0.005164	0.853	0.859	0.865	0.005164	-0.004	-0.004	-0.004	0
1e+13	0.853	0.857	0.861	0.003266	0.84	0.85075	0.857	0.0074106	-0.013	-0.00625	-0.004	0.0045

Device Test: 6.153; VPULLUP_VALID

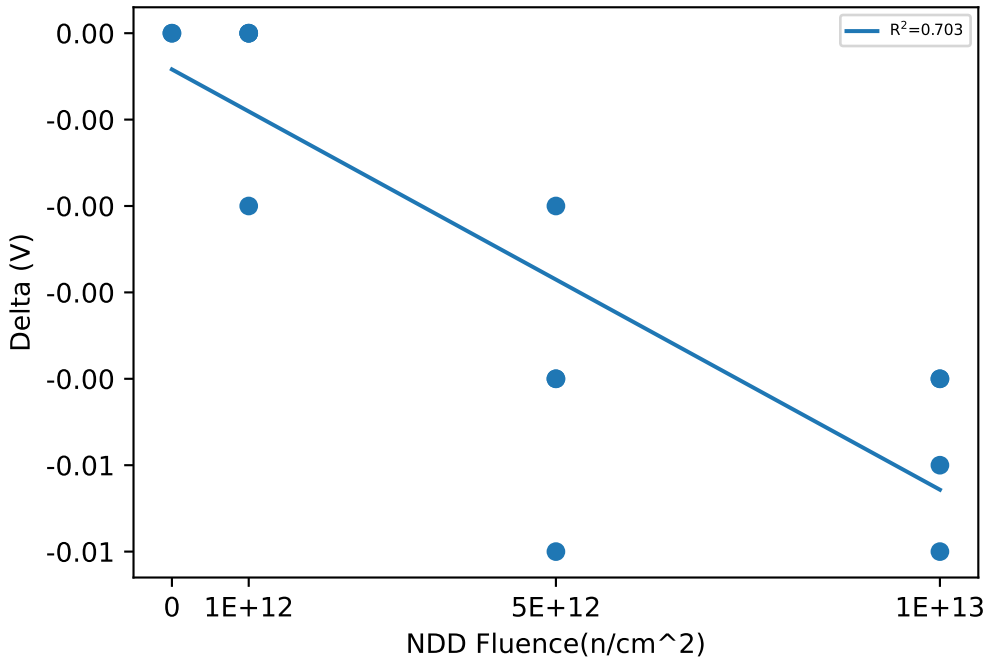
NDD vs Result Stats



Test Results (Upper Limit = 1.1 (V))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.835	0.835	0
301	0	Correlation	0.825	0.825	0
353	1e+12	NDD Unbiased	0.824	0.824	0
354	1e+12	NDD Unbiased	0.829	0.829	0
355	1e+12	NDD Unbiased	0.831	0.829	-0.002
356	1e+12	NDD Unbiased	0.837	0.837	0
357	5e+12	NDD Unbiased	0.824	0.818	-0.006
358	5e+12	NDD Unbiased	0.822	0.82	-0.002
359	5e+12	NDD Unbiased	0.841	0.837	-0.004
360	5e+12	NDD Unbiased	0.839	0.835	-0.004
361	1e+13	NDD Unbiased	0.831	0.827	-0.004
362	1e+13	NDD Unbiased	0.829	0.824	-0.005
363	1e+13	NDD Unbiased	0.831	0.825	-0.006
364	1e+13	NDD Unbiased	0.824	0.82	-0.004

NDD vs Post - Pre Exposure Delta

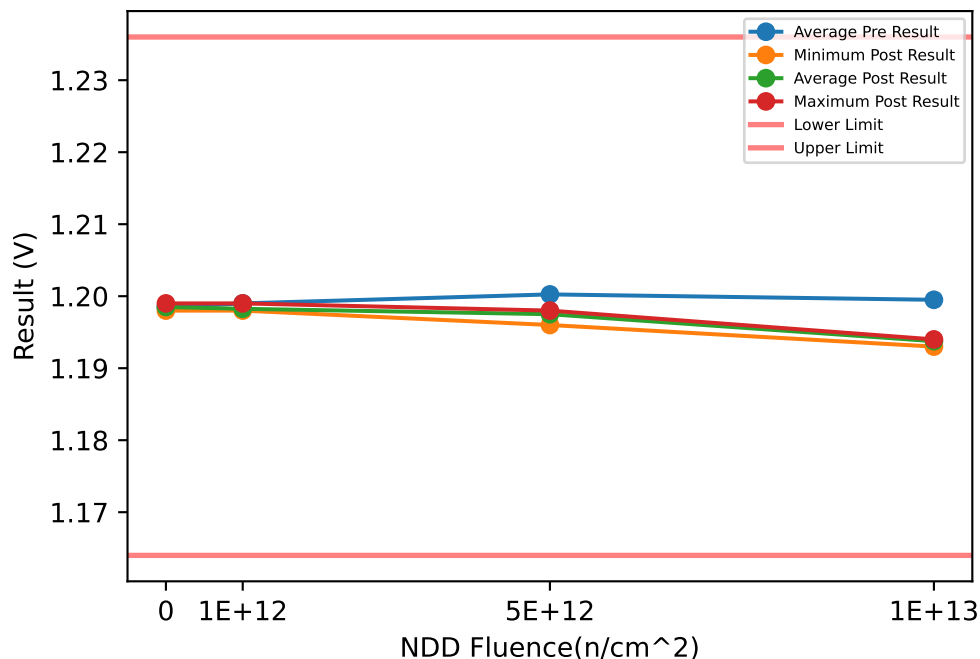


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.825	0.83	0.835	0.0070711	0.825	0.83	0.835	0.0070711	0	0	0	0
1e+12	0.824	0.83025	0.837	0.0053774	0.824	0.82975	0.837	0.0053774	-0.002	-0.0005	0	0.001
5e+12	0.822	0.8315	0.841	0.0098826	0.818	0.8275	0.837	0.0098826	-0.006	-0.004	-0.002	0.001633
1e+13	0.824	0.82875	0.831	0.003304	0.82	0.824	0.827	0.0029439	-0.006	-0.00475	-0.004	0.00095743

Device Test: 6.155; VHYS

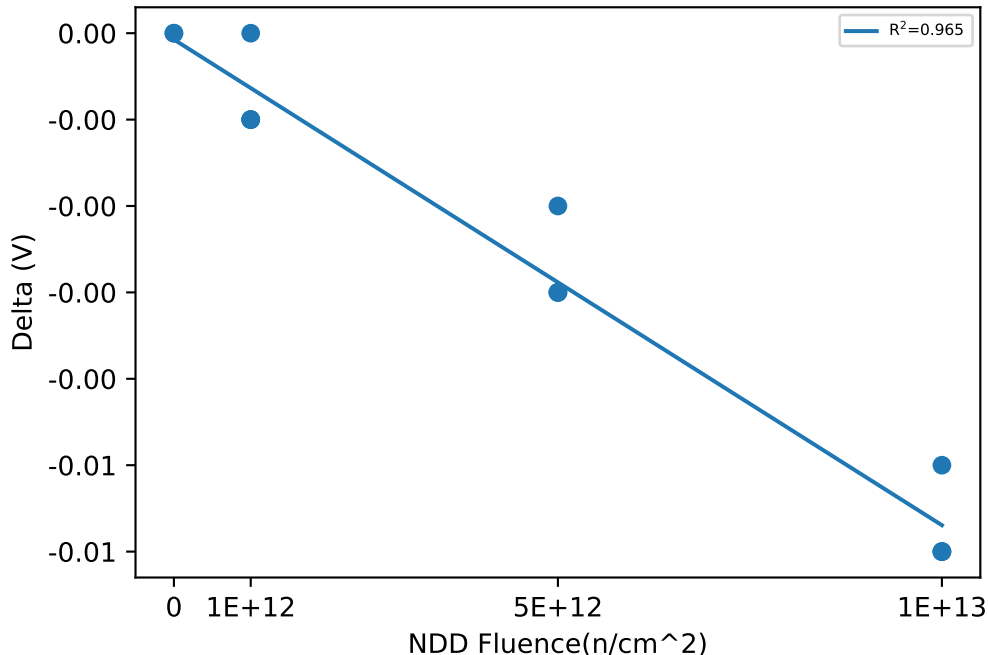
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.198	1.198	0
301	0	Correlation	1.199	1.199	0
353	1e+12	NDD Unbiased	1.199	1.198	-0.001
354	1e+12	NDD Unbiased	1.199	1.199	0
355	1e+12	NDD Unbiased	1.199	1.198	-0.001
356	1e+12	NDD Unbiased	1.199	1.198	-0.001
357	5e+12	NDD Unbiased	1.2	1.198	-0.002
358	5e+12	NDD Unbiased	1.199	1.196	-0.003
359	5e+12	NDD Unbiased	1.201	1.198	-0.003
360	5e+12	NDD Unbiased	1.201	1.198	-0.003
361	1e+13	NDD Unbiased	1.198	1.193	-0.005
362	1e+13	NDD Unbiased	1.2	1.194	-0.006
363	1e+13	NDD Unbiased	1.2	1.194	-0.006
364	1e+13	NDD Unbiased	1.2	1.194	-0.006

NDD vs Post - Pre Exposure Delta

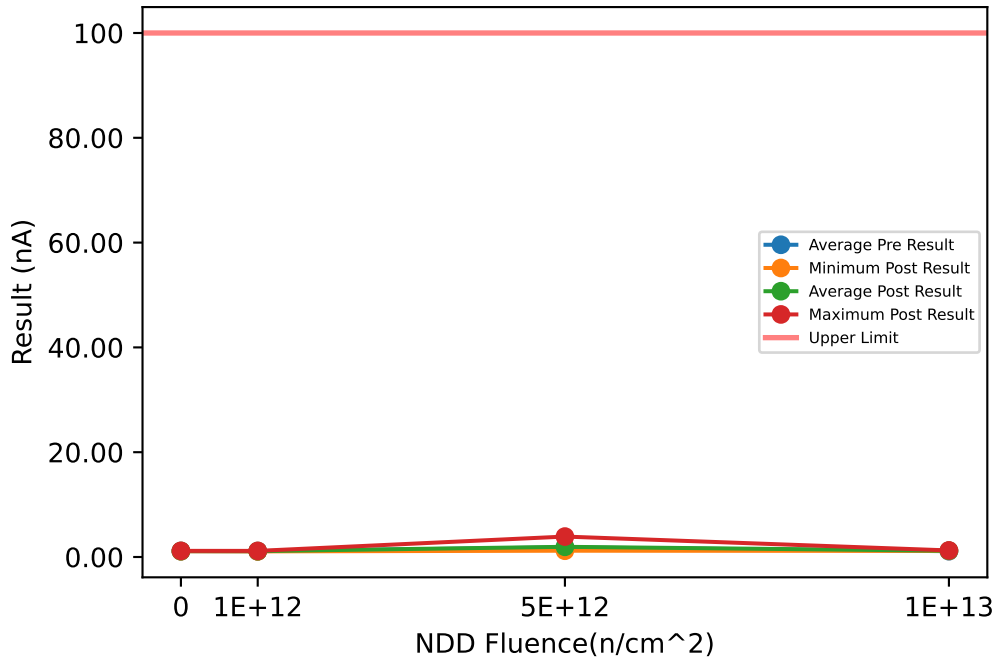


Test Statistics (V)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.198	1.1985	1.199	0.00070711	1.198	1.1985	1.199	0.00070711	0	0	0	0
1e+12	1.199	1.199	1.199	0	1.198	1.1983	1.199	0.0005	-0.001	-0.00075	0	0.0005
5e+12	1.199	1.2003	1.201	0.00095743	1.196	1.1975	1.198	0.001	-0.003	-0.00275	-0.002	0.0005
1e+13	1.198	1.1995	1.2	0.001	1.193	1.1938	1.194	0.0005	-0.006	-0.00575	-0.005	0.0005

Device Test: 6.16 ; ILKG_SR_UVLO

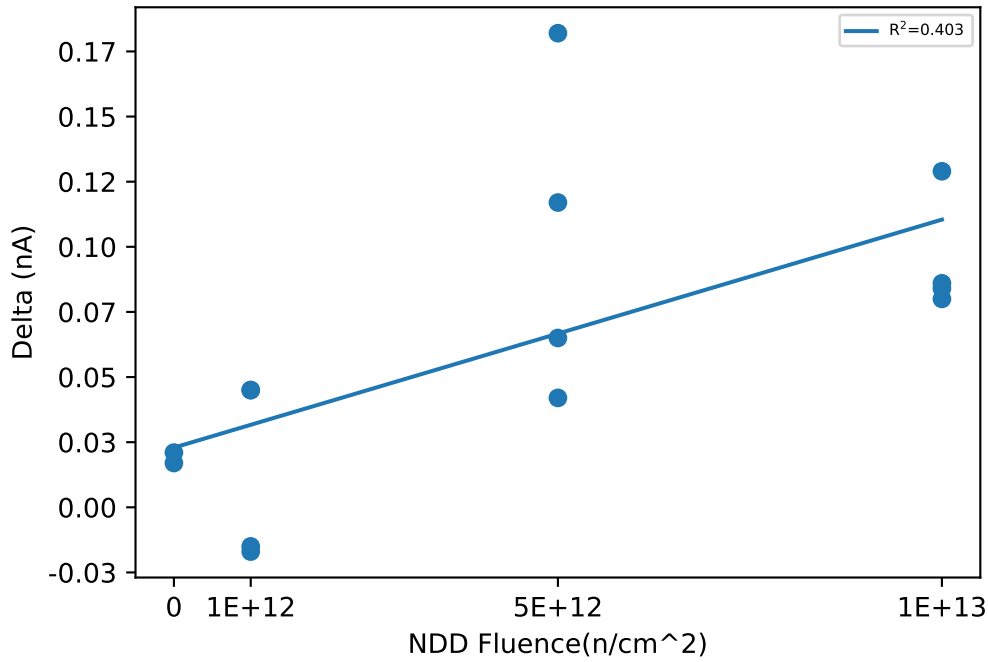
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.155	1.172	0.017
301	0	Correlation	1.075	1.096	0.021
353	1e+12	NDD Unbiased	1.066	1.111	0.045
354	1e+12	NDD Unbiased	1.086	1.069	-0.017
355	1e+12	NDD Unbiased	1.12	1.165	0.045
356	1e+12	NDD Unbiased	1.156	1.141	-0.015
357	5e+12	NDD Unbiased	1.306	1.488	0.182
358	5e+12	NDD Unbiased	1.132	1.197	0.065
359	5e+12	NDD Unbiased	1.155	1.197	0.042
360	5e+12	NDD Unbiased	3.782	3.899	0.117
361	1e+13	NDD Unbiased	1.107	1.193	0.086
362	1e+13	NDD Unbiased	1.083	1.163	0.08
363	1e+13	NDD Unbiased	1.125	1.254	0.129
364	1e+13	NDD Unbiased	1.11	1.194	0.084

NDD vs Post - Pre Exposure Delta

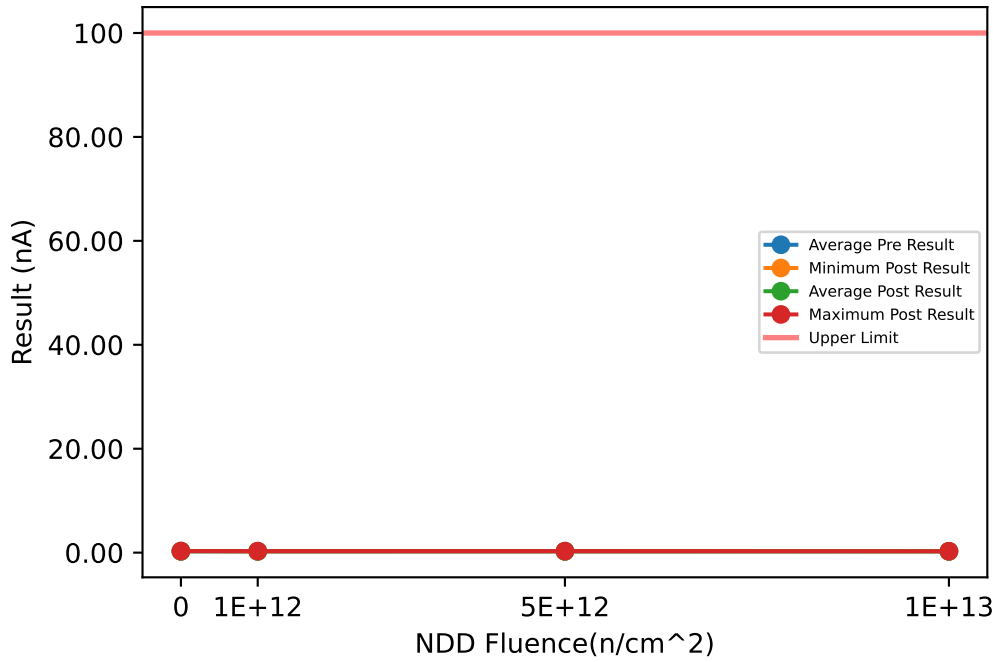


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.075	1.115	1.155	0.056569	1.096	1.134	1.172	0.05374	0.017	0.019	0.021	0.0028284
1e+12	1.066	1.107	1.156	0.039547	1.069	1.1215	1.165	0.041388	-0.017	0.0145	0.045	0.035228
5e+12	1.132	1.8438	3.782	1.2945	1.197	1.9453	3.899	1.3097	0.042	0.1015	0.182	0.062164
1e+13	1.083	1.1062	1.125	0.017385	1.163	1.201	1.254	0.038149	0.08	0.09475	0.129	0.022969

Device Test: 6.17 ; ILKG_SENSE

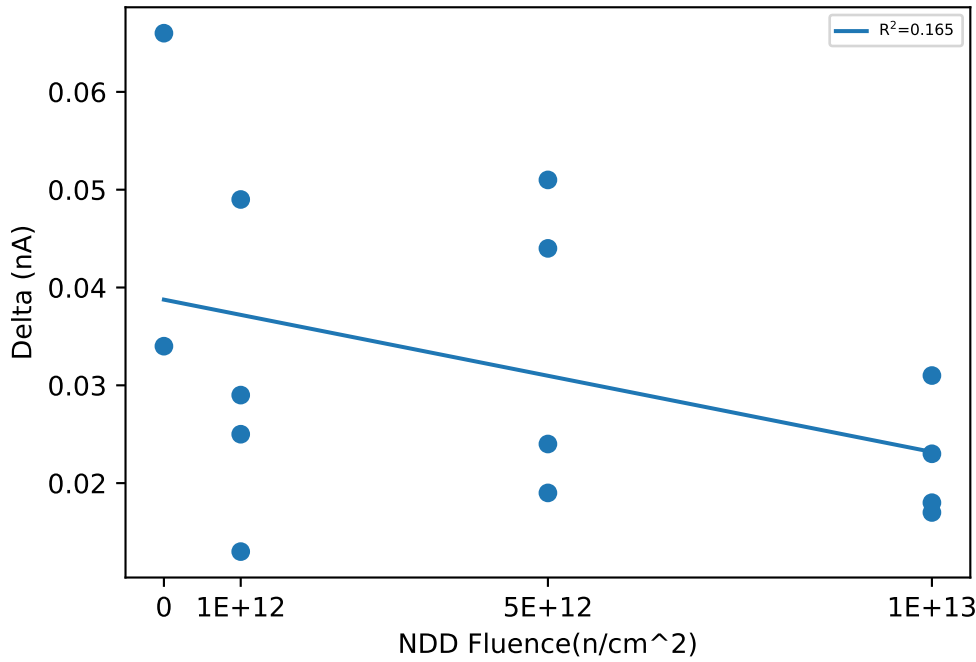
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.243	0.277	0.034
301	0	Correlation	0.241	0.307	0.066
353	1e+12	NDD Unbiased	0.232	0.261	0.029
354	1e+12	NDD Unbiased	0.238	0.251	0.013
355	1e+12	NDD Unbiased	0.247	0.296	0.049
356	1e+12	NDD Unbiased	0.246	0.271	0.025
357	5e+12	NDD Unbiased	0.235	0.279	0.044
358	5e+12	NDD Unbiased	0.245	0.269	0.024
359	5e+12	NDD Unbiased	0.246	0.297	0.051
360	5e+12	NDD Unbiased	0.242	0.261	0.019
361	1e+13	NDD Unbiased	0.234	0.265	0.031
362	1e+13	NDD Unbiased	0.255	0.273	0.018
363	1e+13	NDD Unbiased	0.242	0.265	0.023
364	1e+13	NDD Unbiased	0.241	0.258	0.017

NDD vs Post - Pre Exposure Delta

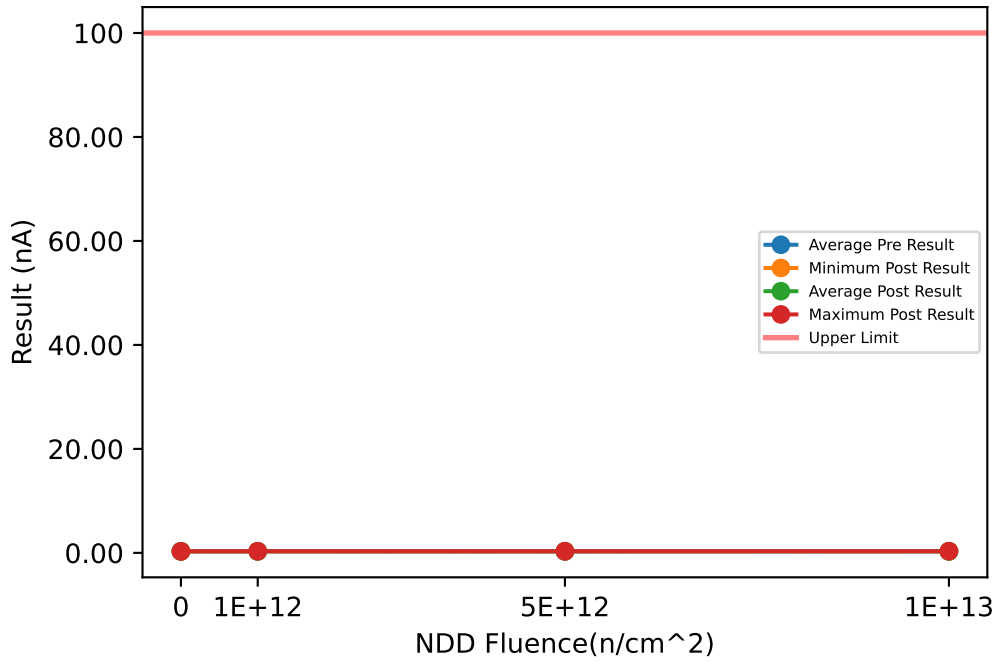


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.241	0.242	0.243	0.0014142	0.277	0.292	0.307	0.021213	0.034	0.05	0.066	0.022627
1e+12	0.232	0.24075	0.247	0.0070887	0.251	0.26975	0.296	0.019311	0.013	0.029	0.049	0.014967
5e+12	0.235	0.242	0.246	0.0049666	0.261	0.2765	0.297	0.015524	0.019	0.0345	0.051	0.015416
1e+13	0.234	0.243	0.255	0.008756	0.258	0.26525	0.273	0.0061305	0.017	0.02225	0.031	0.0063966

Device Test: 6.18 ; ILKG_SENSE

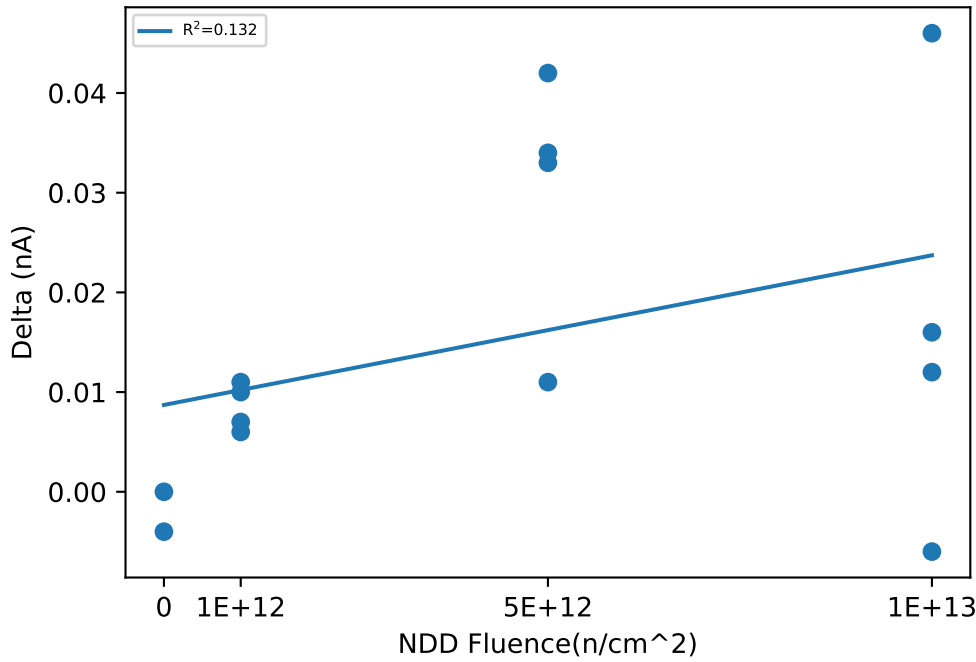
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.285	0.285	0
301	0	Correlation	0.3	0.296	-0.004
353	1e+12	NDD Unbiased	0.294	0.301	0.007
354	1e+12	NDD Unbiased	0.302	0.312	0.01
355	1e+12	NDD Unbiased	0.297	0.303	0.006
356	1e+12	NDD Unbiased	0.299	0.31	0.011
357	5e+12	NDD Unbiased	0.273	0.315	0.042
358	5e+12	NDD Unbiased	0.293	0.304	0.011
359	5e+12	NDD Unbiased	0.283	0.317	0.034
360	5e+12	NDD Unbiased	0.283	0.316	0.033
361	1e+13	NDD Unbiased	0.293	0.309	0.016
362	1e+13	NDD Unbiased	0.277	0.323	0.046
363	1e+13	NDD Unbiased	0.288	0.3	0.012
364	1e+13	NDD Unbiased	0.301	0.295	-0.006

NDD vs Post - Pre Exposure Delta

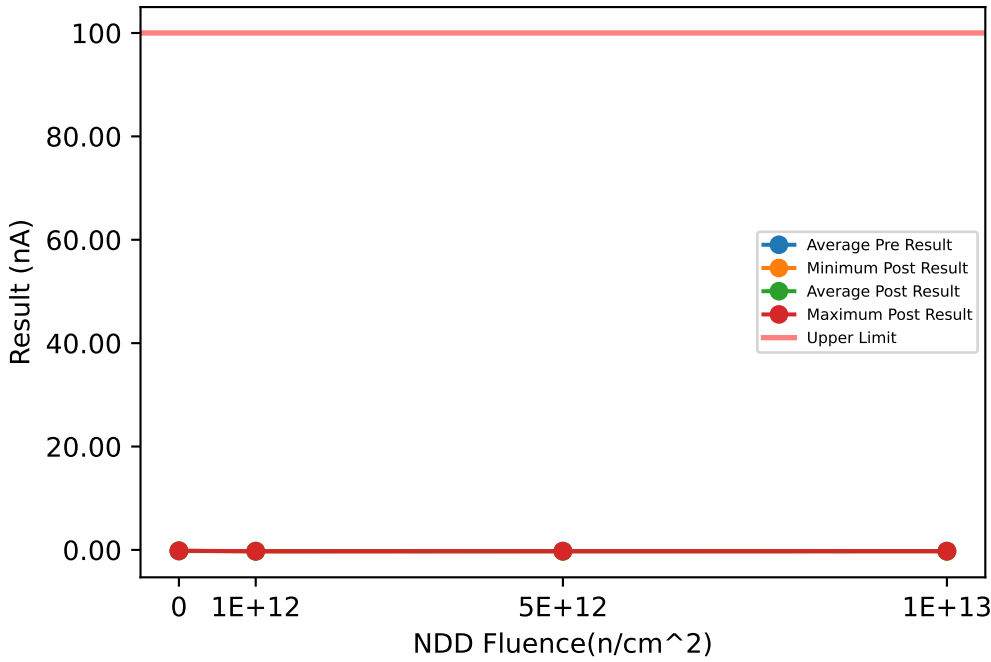


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.285	0.2925	0.3	0.010607	0.285	0.2905	0.296	0.0077782	-0.004	-0.002	0	0.0028284
1e+12	0.294	0.298	0.302	0.0033665	0.301	0.3065	0.312	0.0053229	0.006	0.0085	0.011	0.0023805
5e+12	0.273	0.283	0.293	0.008165	0.304	0.313	0.317	0.0060553	0.011	0.03	0.042	0.013292
1e+13	0.277	0.28975	0.301	0.010046	0.295	0.30675	0.323	0.012285	-0.006	0.017	0.046	0.021572

Device Test: 6.19 ; ILKG_SENSE

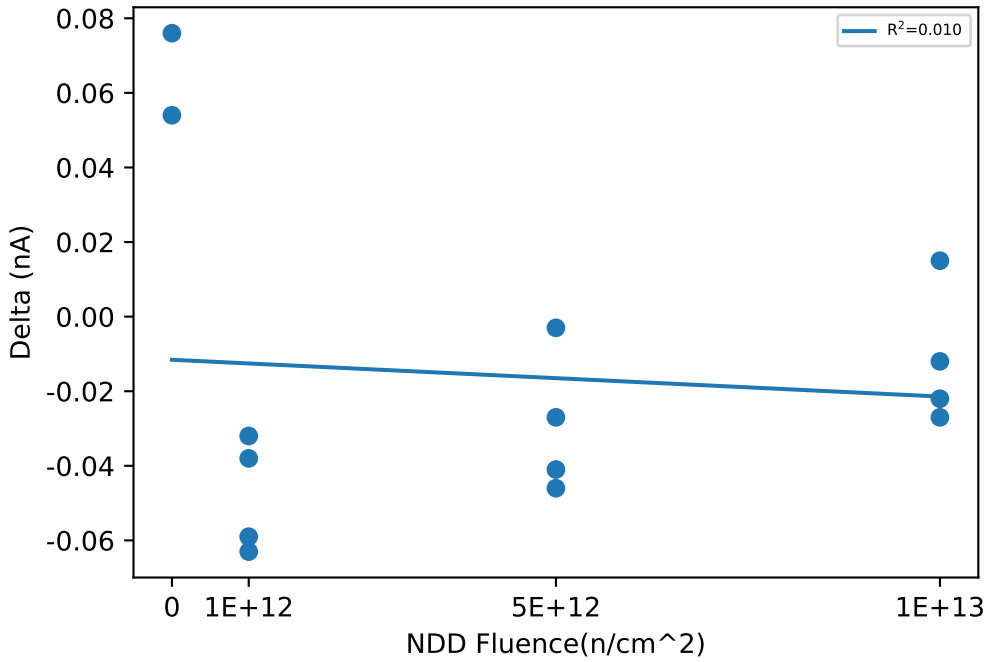
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	-0.227	-0.173	0.054
301	0	Correlation	-0.24	-0.164	0.076
353	1e+12	NDD Unbiased	-0.228	-0.287	-0.059
354	1e+12	NDD Unbiased	-0.217	-0.255	-0.038
355	1e+12	NDD Unbiased	-0.216	-0.248	-0.032
356	1e+12	NDD Unbiased	-0.213	-0.276	-0.063
357	5e+12	NDD Unbiased	-0.22	-0.266	-0.046
358	5e+12	NDD Unbiased	-0.232	-0.259	-0.027
359	5e+12	NDD Unbiased	-0.24	-0.243	-0.003
360	5e+12	NDD Unbiased	-0.208	-0.249	-0.041
361	1e+13	NDD Unbiased	-0.218	-0.245	-0.027
362	1e+13	NDD Unbiased	-0.241	-0.253	-0.012
363	1e+13	NDD Unbiased	-0.25	-0.235	0.015
364	1e+13	NDD Unbiased	-0.232	-0.254	-0.022

NDD vs Post - Pre Exposure Delta

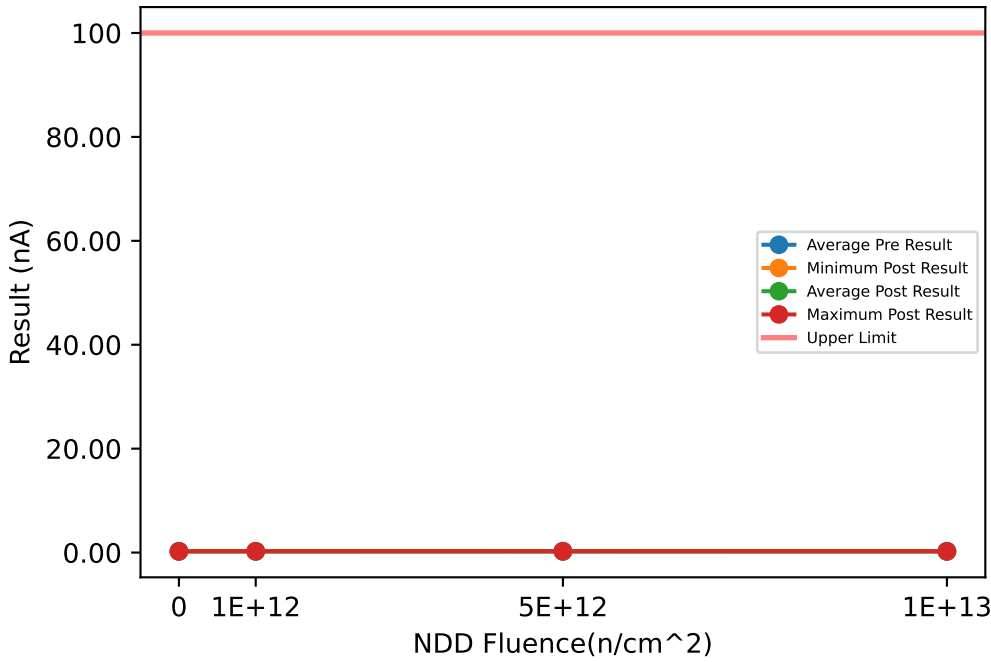


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.24	-0.2335	-0.227	0.0091924	-0.173	-0.1685	-0.164	0.006364	0.054	0.065	0.076	0.015556
1e+12	-0.228	-0.2185	-0.213	0.0065574	-0.287	-0.2665	-0.248	0.01812	-0.063	-0.048	-0.032	0.015297
5e+12	-0.24	-0.225	-0.208	0.014	-0.266	-0.25425	-0.243	0.010243	-0.046	-0.02925	-0.003	0.019259
1e+13	-0.25	-0.23525	-0.218	0.013647	-0.254	-0.24675	-0.235	0.0088081	-0.027	-0.0115	0.015	0.018735

Device Test: 6.20 ; ILKG_SENSE

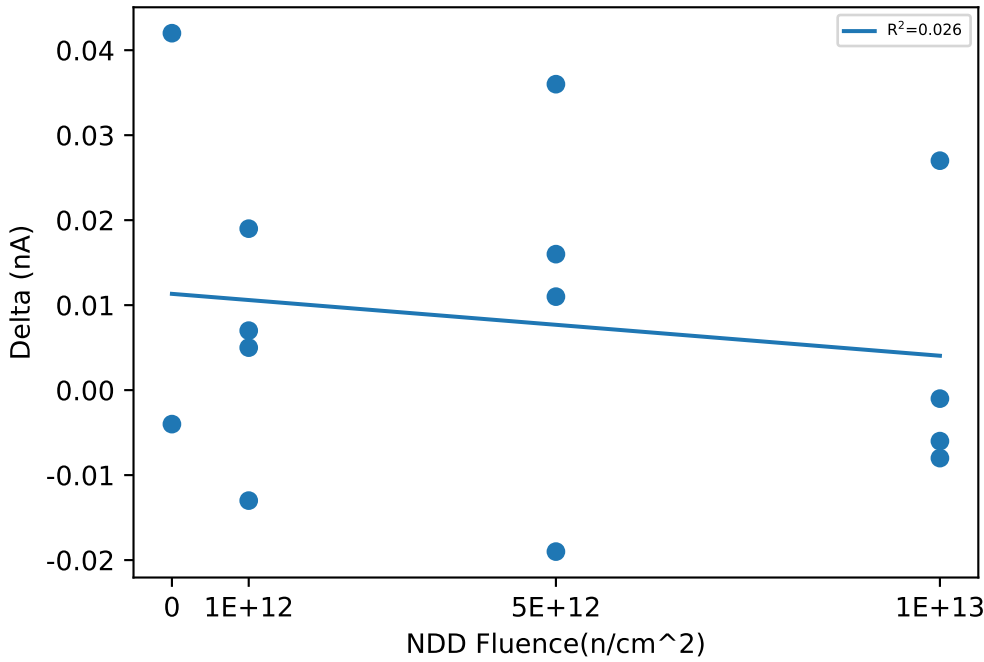
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.205	0.247	0.042
301	0	Correlation	0.246	0.242	-0.004
353	1e+12	NDD Unbiased	0.247	0.252	0.005
354	1e+12	NDD Unbiased	0.236	0.255	0.019
355	1e+12	NDD Unbiased	0.24	0.227	-0.013
356	1e+12	NDD Unbiased	0.233	0.24	0.007
357	5e+12	NDD Unbiased	0.234	0.245	0.011
358	5e+12	NDD Unbiased	0.23	0.266	0.036
359	5e+12	NDD Unbiased	0.226	0.242	0.016
360	5e+12	NDD Unbiased	0.247	0.228	-0.019
361	1e+13	NDD Unbiased	0.244	0.243	-0.001
362	1e+13	NDD Unbiased	0.244	0.236	-0.008
363	1e+13	NDD Unbiased	0.24	0.234	-0.006
364	1e+13	NDD Unbiased	0.223	0.25	0.027

NDD vs Post - Pre Exposure Delta

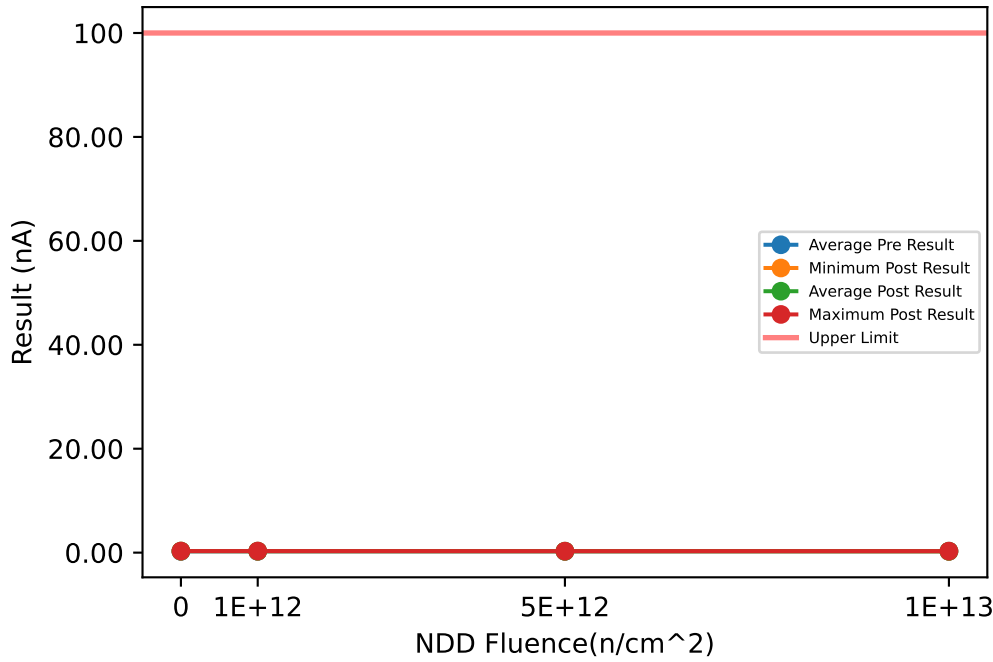


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.205	0.2255	0.246	0.028991	0.242	0.2445	0.247	0.0035355	-0.004	0.019	0.042	0.032527
1e+12	0.233	0.239	0.247	0.0060553	0.227	0.2435	0.255	0.012767	-0.013	0.0045	0.019	0.013204
5e+12	0.226	0.23425	0.247	0.0091059	0.228	0.24525	0.266	0.015692	-0.019	0.011	0.036	0.02273
1e+13	0.223	0.23775	0.244	0.010012	0.234	0.24075	0.25	0.0072744	-0.008	0.003	0.027	0.016269

Device Test: 6.21 ; ILKG_SENSE

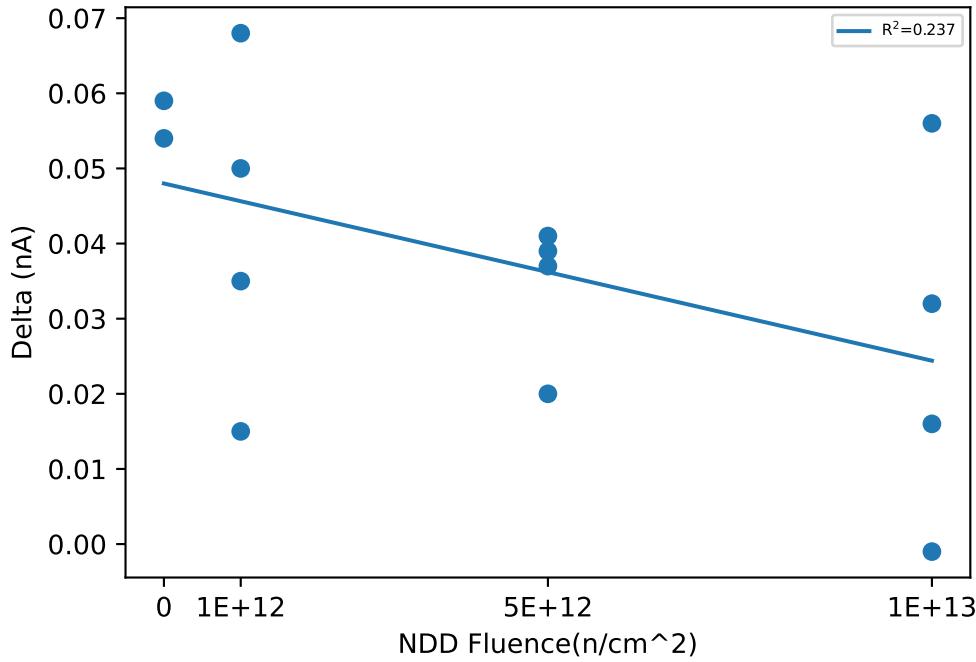
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.233	0.287	0.054
301	0	Correlation	0.244	0.303	0.059
353	1e+12	NDD Unbiased	0.235	0.303	0.068
354	1e+12	NDD Unbiased	0.257	0.272	0.015
355	1e+12	NDD Unbiased	0.252	0.287	0.035
356	1e+12	NDD Unbiased	0.226	0.276	0.05
357	5e+12	NDD Unbiased	0.241	0.278	0.037
358	5e+12	NDD Unbiased	0.248	0.289	0.041
359	5e+12	NDD Unbiased	0.241	0.28	0.039
360	5e+12	NDD Unbiased	0.247	0.267	0.02
361	1e+13	NDD Unbiased	0.238	0.294	0.056
362	1e+13	NDD Unbiased	0.271	0.287	0.016
363	1e+13	NDD Unbiased	0.241	0.273	0.032
364	1e+13	NDD Unbiased	0.251	0.25	-0.001

NDD vs Post - Pre Exposure Delta

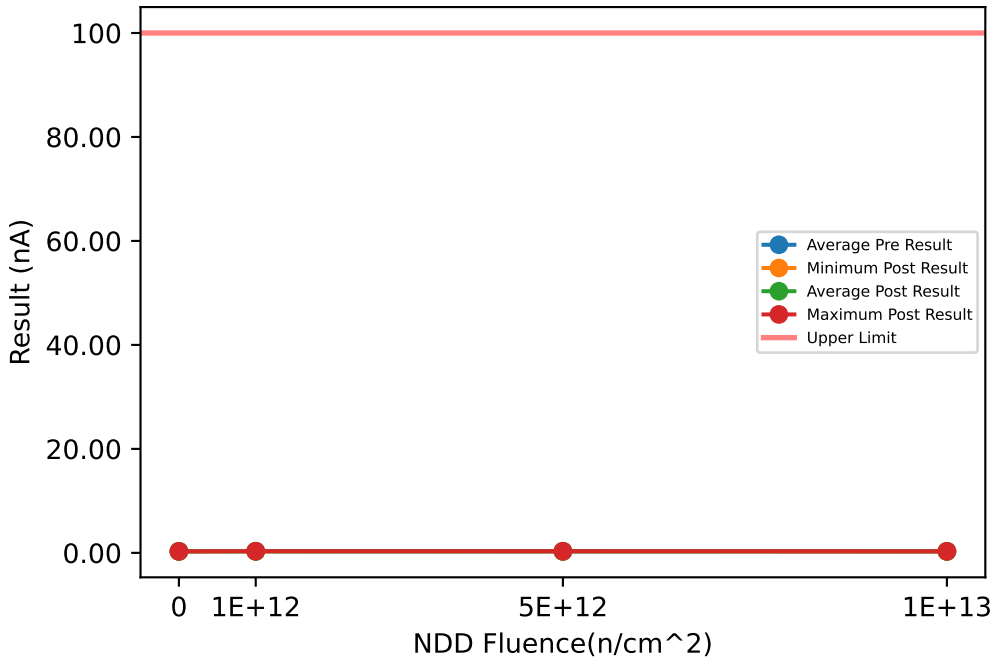


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.233	0.2385	0.244	0.0077782	0.287	0.295	0.303	0.011314	0.054	0.0565	0.059	0.0035355
1e+12	0.226	0.2425	0.257	0.01448	0.272	0.2845	0.303	0.013868	0.015	0.042	0.068	0.022494
5e+12	0.241	0.24425	0.248	0.0037749	0.267	0.2785	0.289	0.009037	0.02	0.03425	0.041	0.0096393
1e+13	0.238	0.25025	0.271	0.014908	0.25	0.276	0.294	0.019408	-0.001	0.02575	0.056	0.024254

Device Test: 6.22 ; ILKG_SENSE

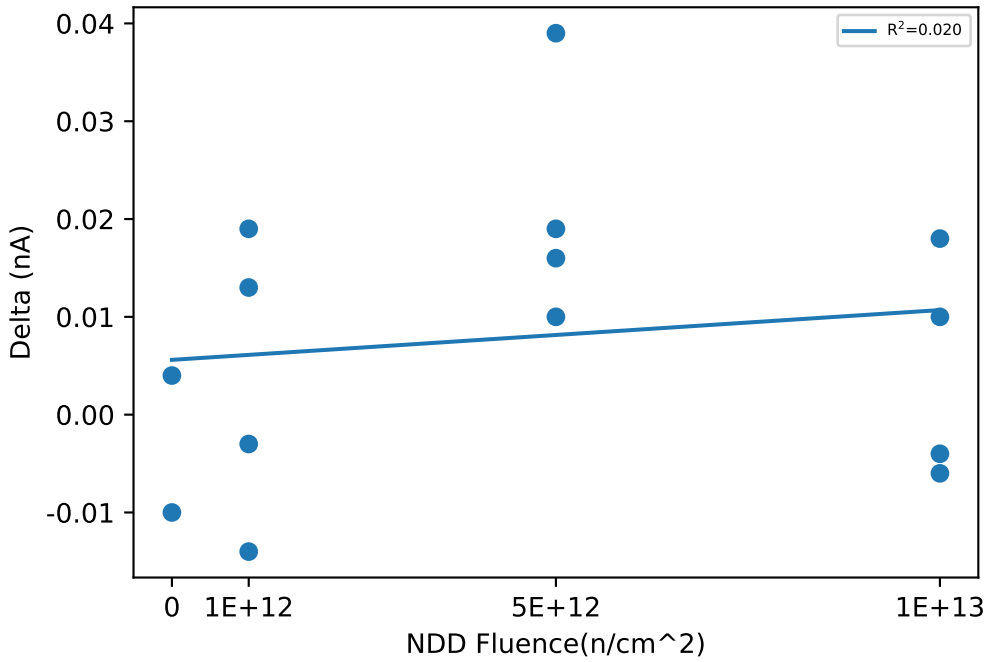
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.286	0.29	0.004
301	0	Correlation	0.296	0.286	-0.01
353	1e+12	NDD Unbiased	0.31	0.296	-0.014
354	1e+12	NDD Unbiased	0.3	0.319	0.019
355	1e+12	NDD Unbiased	0.284	0.297	0.013
356	1e+12	NDD Unbiased	0.305	0.302	-0.003
357	5e+12	NDD Unbiased	0.284	0.303	0.019
358	5e+12	NDD Unbiased	0.278	0.294	0.016
359	5e+12	NDD Unbiased	0.279	0.318	0.039
360	5e+12	NDD Unbiased	0.282	0.292	0.01
361	1e+13	NDD Unbiased	0.279	0.297	0.018
362	1e+13	NDD Unbiased	0.289	0.283	-0.006
363	1e+13	NDD Unbiased	0.287	0.297	0.01
364	1e+13	NDD Unbiased	0.299	0.295	-0.004

NDD vs Post - Pre Exposure Delta

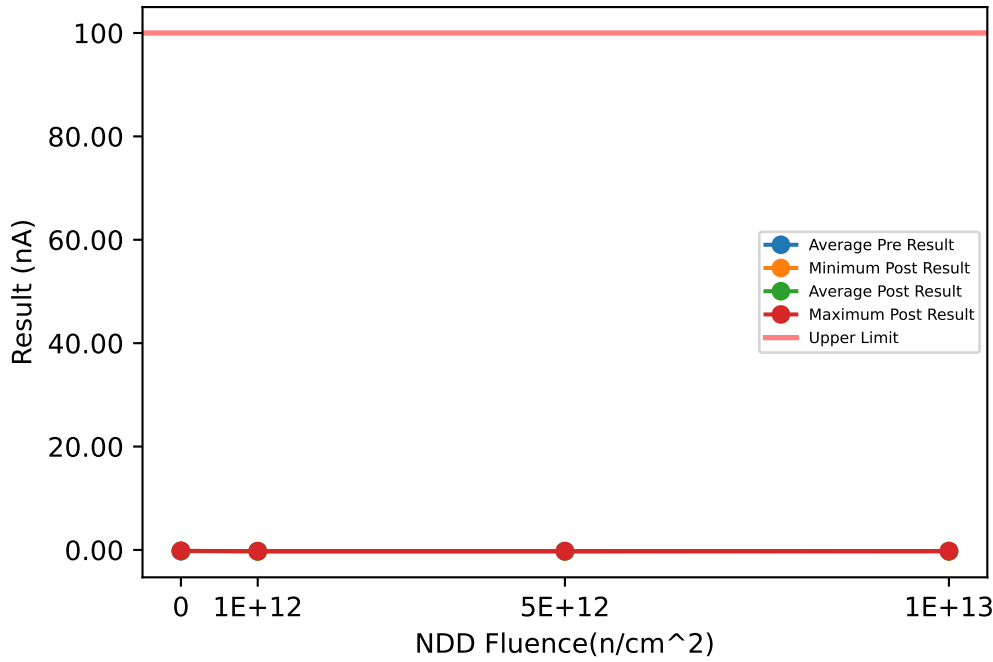


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.286	0.291	0.296	0.0070711	0.286	0.288	0.29	0.0028284	-0.01	-0.003	0.004	0.0098995
1e+12	0.284	0.29975	0.31	0.011266	0.296	0.3035	0.319	0.010661	-0.014	0.00375	0.019	0.015042
5e+12	0.278	0.28075	0.284	0.0027538	0.292	0.30175	0.318	0.011843	0.01	0.021	0.039	0.01257
1e+13	0.279	0.2885	0.299	0.008226	0.283	0.293	0.297	0.006733	-0.006	0.0045	0.018	0.011475

Device Test: 6.23 ; ILKG_SENSE

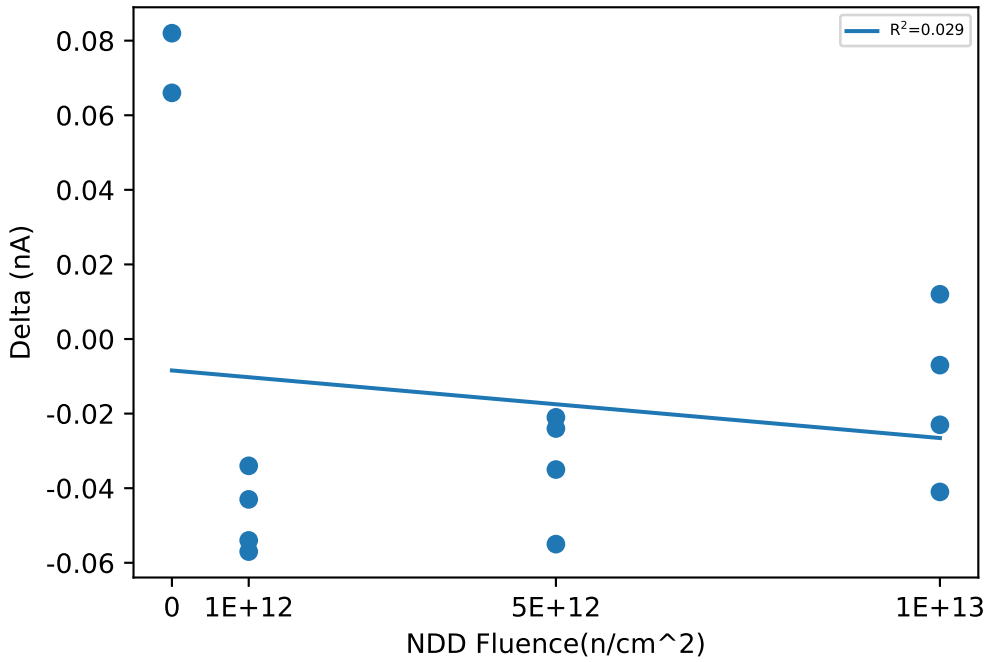
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	-0.25	-0.184	0.066
301	0	Correlation	-0.25	-0.168	0.082
353	1e+12	NDD Unbiased	-0.225	-0.279	-0.054
354	1e+12	NDD Unbiased	-0.215	-0.249	-0.034
355	1e+12	NDD Unbiased	-0.202	-0.245	-0.043
356	1e+12	NDD Unbiased	-0.216	-0.273	-0.057
357	5e+12	NDD Unbiased	-0.206	-0.261	-0.055
358	5e+12	NDD Unbiased	-0.222	-0.246	-0.024
359	5e+12	NDD Unbiased	-0.229	-0.264	-0.035
360	5e+12	NDD Unbiased	-0.228	-0.249	-0.021
361	1e+13	NDD Unbiased	-0.21	-0.251	-0.041
362	1e+13	NDD Unbiased	-0.229	-0.236	-0.007
363	1e+13	NDD Unbiased	-0.233	-0.221	0.012
364	1e+13	NDD Unbiased	-0.227	-0.25	-0.023

NDD vs Post - Pre Exposure Delta

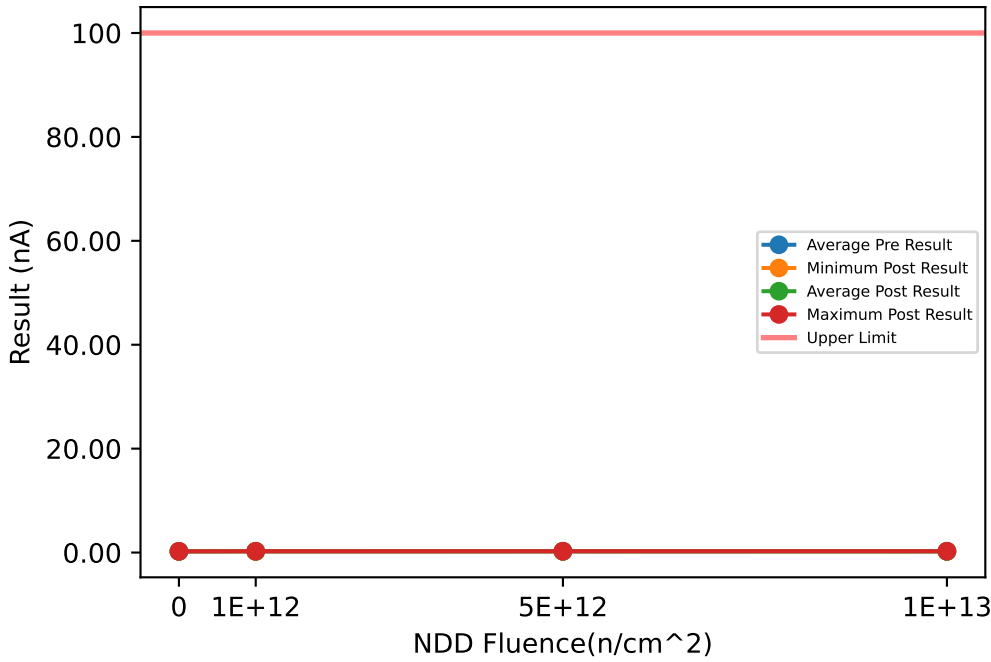


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.25	-0.25	-0.25	0	-0.184	-0.176	-0.168	0.011314	0.066	0.074	0.082	0.011314
1e+12	-0.225	-0.2145	-0.202	0.0094692	-0.279	-0.2615	-0.245	0.017	-0.057	-0.047	-0.034	0.010551
5e+12	-0.229	-0.22125	-0.206	0.010626	-0.264	-0.255	-0.246	0.0088318	-0.055	-0.03375	-0.021	0.015392
1e+13	-0.233	-0.22475	-0.21	0.010145	-0.251	-0.2395	-0.221	0.014107	-0.041	-0.01475	0.012	0.022603

Device Test: 6.24 ; ILKG_SENSE

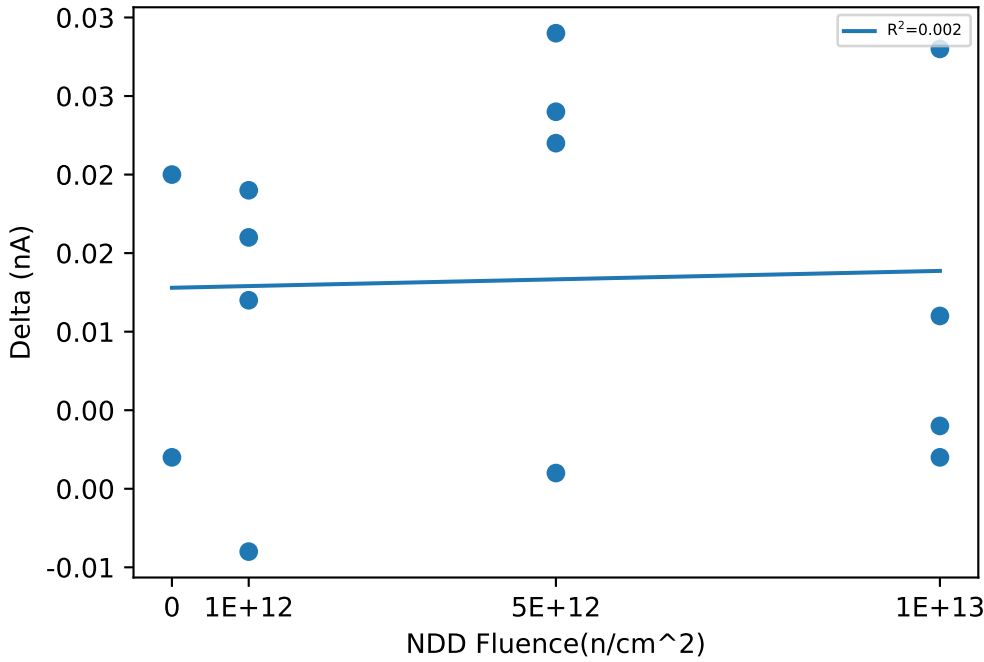
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.214	0.234	0.02
301	0	Correlation	0.23	0.232	0.002
353	1e+12	NDD Unbiased	0.231	0.243	0.012
354	1e+12	NDD Unbiased	0.242	0.258	0.016
355	1e+12	NDD Unbiased	0.228	0.247	0.019
356	1e+12	NDD Unbiased	0.233	0.229	-0.004
357	5e+12	NDD Unbiased	0.232	0.233	0.001
358	5e+12	NDD Unbiased	0.225	0.247	0.022
359	5e+12	NDD Unbiased	0.224	0.253	0.029
360	5e+12	NDD Unbiased	0.236	0.26	0.024
361	1e+13	NDD Unbiased	0.234	0.262	0.028
362	1e+13	NDD Unbiased	0.23	0.241	0.011
363	1e+13	NDD Unbiased	0.223	0.225	0.002
364	1e+13	NDD Unbiased	0.224	0.228	0.004

NDD vs Post - Pre Exposure Delta

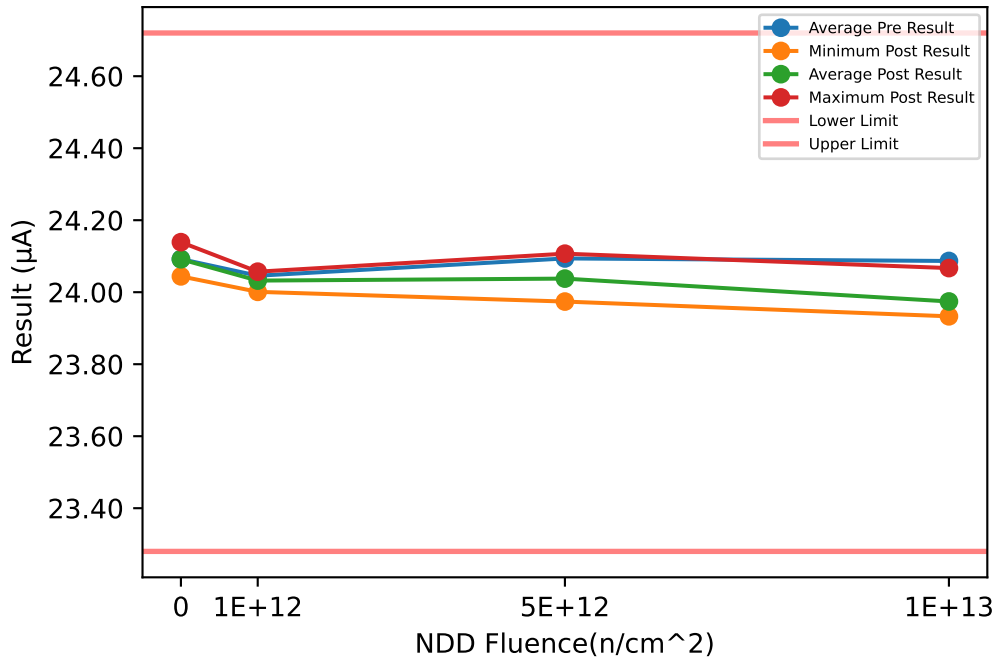


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.214	0.222	0.23	0.011314	0.232	0.233	0.234	0.0014142	0.002	0.011	0.02	0.012728
1e+12	0.228	0.2335	0.242	0.0060277	0.229	0.24425	0.258	0.011983	-0.004	0.01075	0.019	0.010243
5e+12	0.224	0.22925	0.236	0.0057373	0.233	0.24825	0.26	0.011471	0.001	0.019	0.029	0.012356
1e+13	0.223	0.22775	0.234	0.0051881	0.225	0.239	0.262	0.016833	0.002	0.01125	0.028	0.011815

Device Test: 6.25 ; IHYS

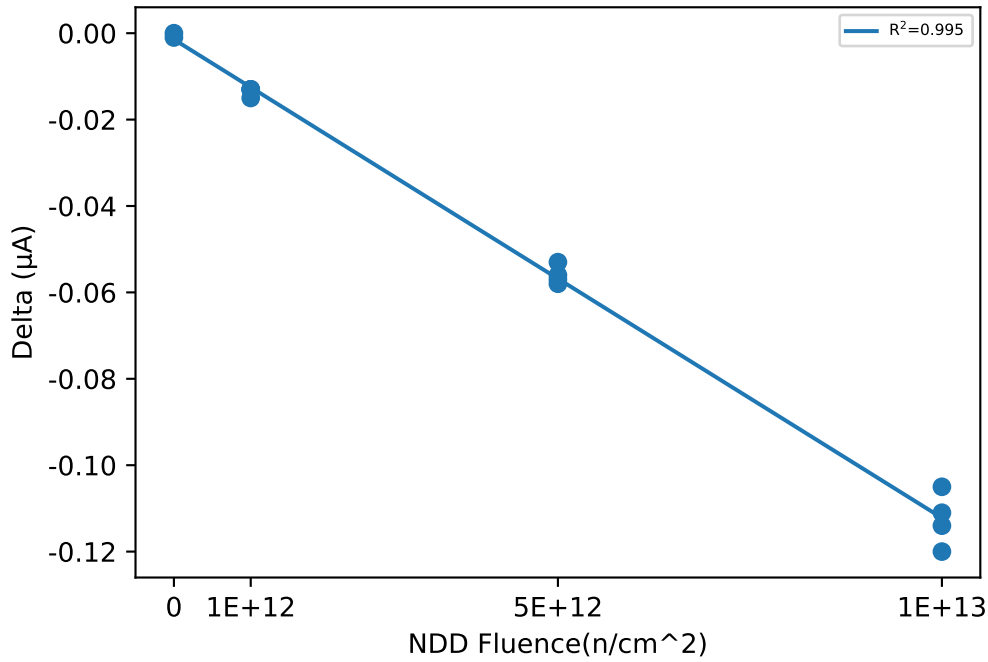
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.045	24.044	-0.001
301	0	Correlation	24.139	24.139	0
353	1e+12	NDD Unbiased	24.029	24.016	-0.013
354	1e+12	NDD Unbiased	24.07	24.055	-0.015
355	1e+12	NDD Unbiased	24.07	24.057	-0.013
356	1e+12	NDD Unbiased	24.014	24.001	-0.013
357	5e+12	NDD Unbiased	24.032	23.974	-0.058
358	5e+12	NDD Unbiased	24.061	24.004	-0.057
359	5e+12	NDD Unbiased	24.163	24.107	-0.056
360	5e+12	NDD Unbiased	24.119	24.066	-0.053
361	1e+13	NDD Unbiased	24.072	23.958	-0.114
362	1e+13	NDD Unbiased	24.038	23.933	-0.105
363	1e+13	NDD Unbiased	24.05	23.939	-0.111
364	1e+13	NDD Unbiased	24.187	24.067	-0.12

NDD vs Post - Pre Exposure Delta

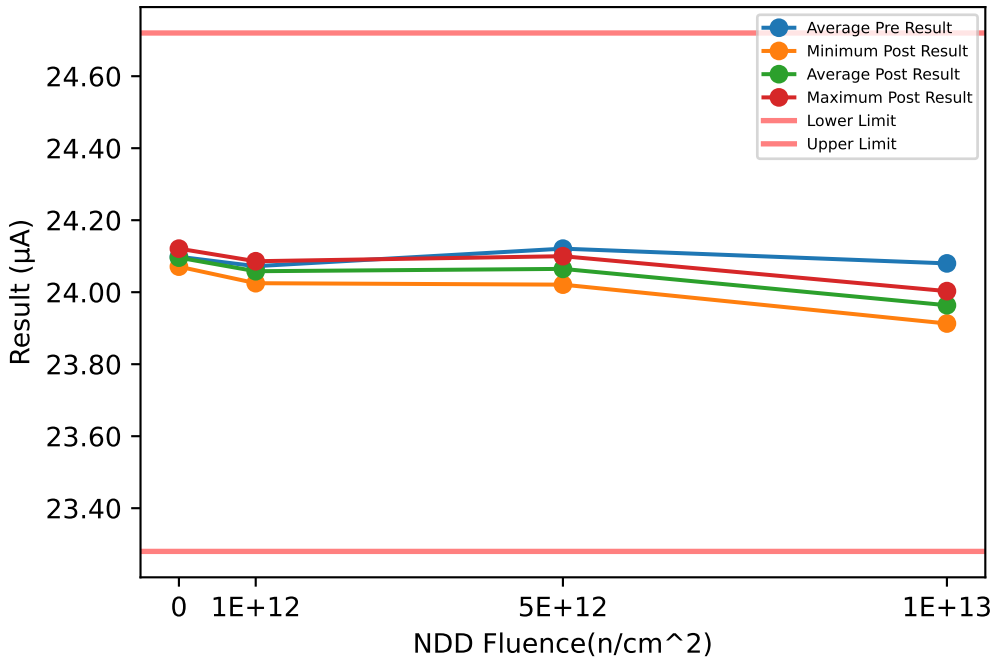


Test Statistics (µA)

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	24.045	24.092	24.139	0.066468	24.044	24.091	24.139	0.067175	-0.001	-0.0005	0	0.00070711
1e+12	24.014	24.046	24.07	0.028663	24.001	24.032	24.057	0.028111	-0.015	-0.0135	-0.013	0.001
5e+12	24.032	24.094	24.163	0.058648	23.974	24.038	24.107	0.059991	-0.058	-0.056	-0.053	0.0021602
1e+13	24.038	24.087	24.187	0.0683	23.933	23.974	24.067	0.062745	-0.12	-0.1125	-0.105	0.006245

Device Test: 6.26 ; IHYS

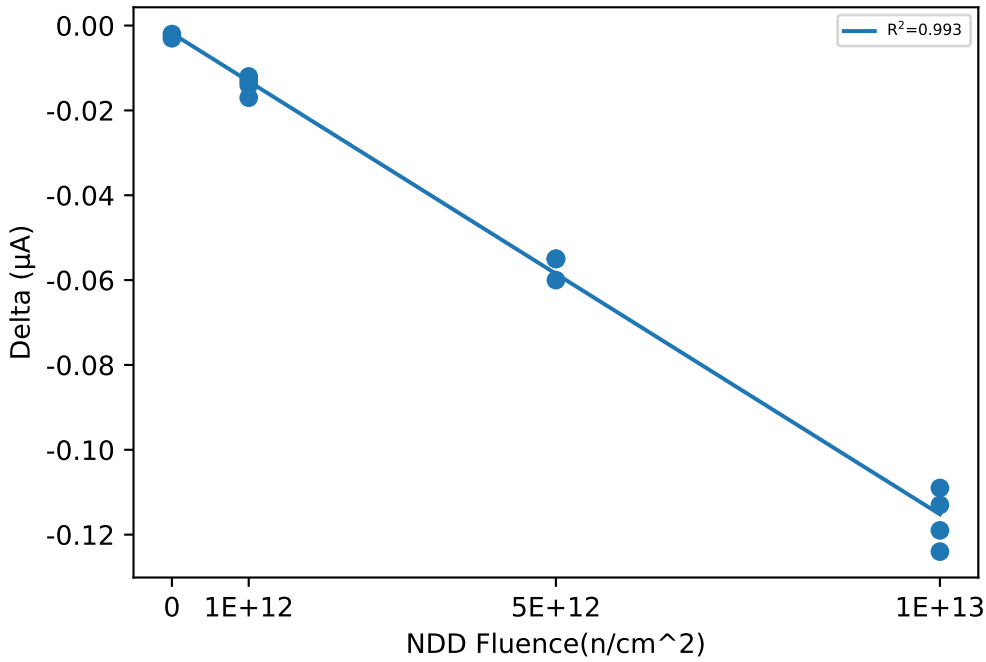
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.074	24.071	-0.003
301	0	Correlation	24.123	24.121	-0.002
353	1e+12	NDD Unbiased	24.098	24.086	-0.012
354	1e+12	NDD Unbiased	24.069	24.052	-0.017
355	1e+12	NDD Unbiased	24.084	24.07	-0.014
356	1e+12	NDD Unbiased	24.038	24.025	-0.013
357	5e+12	NDD Unbiased	24.081	24.021	-0.06
358	5e+12	NDD Unbiased	24.147	24.092	-0.055
359	5e+12	NDD Unbiased	24.155	24.1	-0.055
360	5e+12	NDD Unbiased	24.101	24.046	-0.055
361	1e+13	NDD Unbiased	24.032	23.913	-0.119
362	1e+13	NDD Unbiased	24.087	23.978	-0.109
363	1e+13	NDD Unbiased	24.074	23.961	-0.113
364	1e+13	NDD Unbiased	24.127	24.003	-0.124

NDD vs Post - Pre Exposure Delta

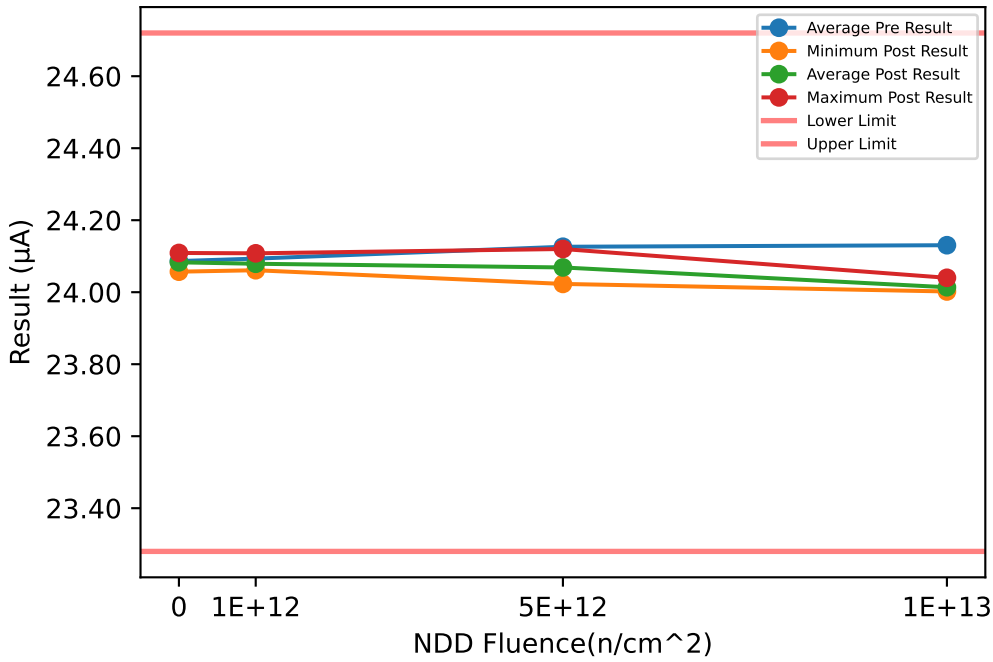


Test Statistics (µA)

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	24.074	24.099	24.123	0.034648	24.071	24.096	24.121	0.035355	-0.003	-0.0025	-0.002	0.00070711
1e+12	24.038	24.072	24.098	0.025721	24.025	24.058	24.086	0.026158	-0.017	-0.014	-0.012	0.0021602
5e+12	24.081	24.121	24.155	0.03574	24.021	24.065	24.1	0.037642	-0.06	-0.05625	-0.055	0.0025
1e+13	24.032	24.08	24.127	0.039149	23.913	23.964	24.003	0.037977	-0.124	-0.11625	-0.109	0.0066018

Device Test: 6.27 ; IHYS

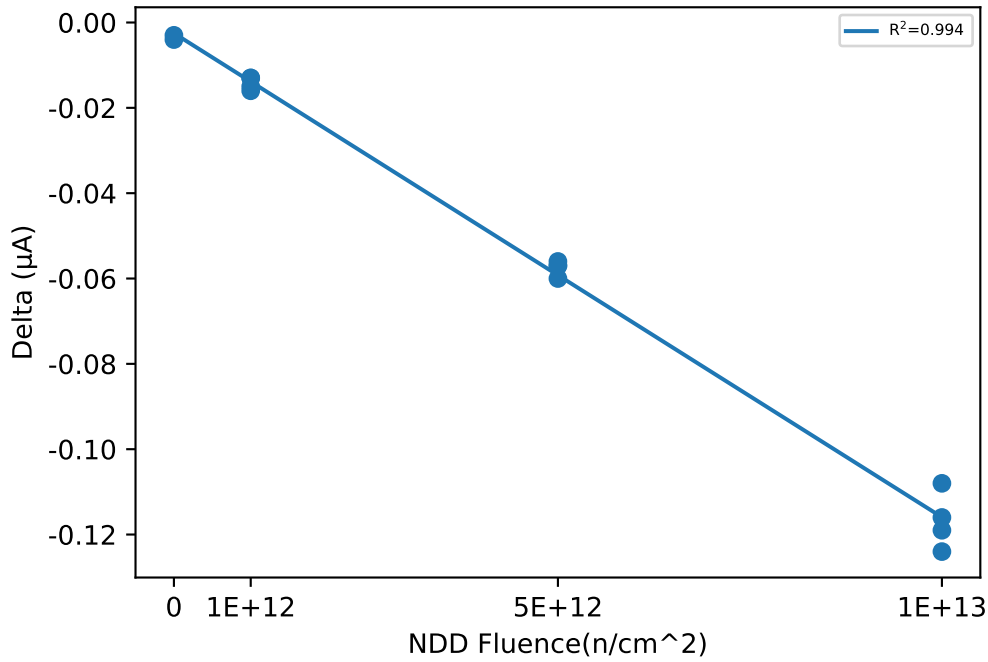
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.061	24.057	-0.004
301	0	Correlation	24.112	24.109	-0.003
353	1e+12	NDD Unbiased	24.095	24.082	-0.013
354	1e+12	NDD Unbiased	24.124	24.108	-0.016
355	1e+12	NDD Unbiased	24.078	24.065	-0.013
356	1e+12	NDD Unbiased	24.076	24.061	-0.015
357	5e+12	NDD Unbiased	24.103	24.043	-0.06
358	5e+12	NDD Unbiased	24.079	24.023	-0.056
359	5e+12	NDD Unbiased	24.177	24.12	-0.057
360	5e+12	NDD Unbiased	24.146	24.089	-0.057
361	1e+13	NDD Unbiased	24.159	24.04	-0.119
362	1e+13	NDD Unbiased	24.11	24.002	-0.108
363	1e+13	NDD Unbiased	24.127	24.011	-0.116
364	1e+13	NDD Unbiased	24.126	24.002	-0.124

NDD vs Post - Pre Exposure Delta

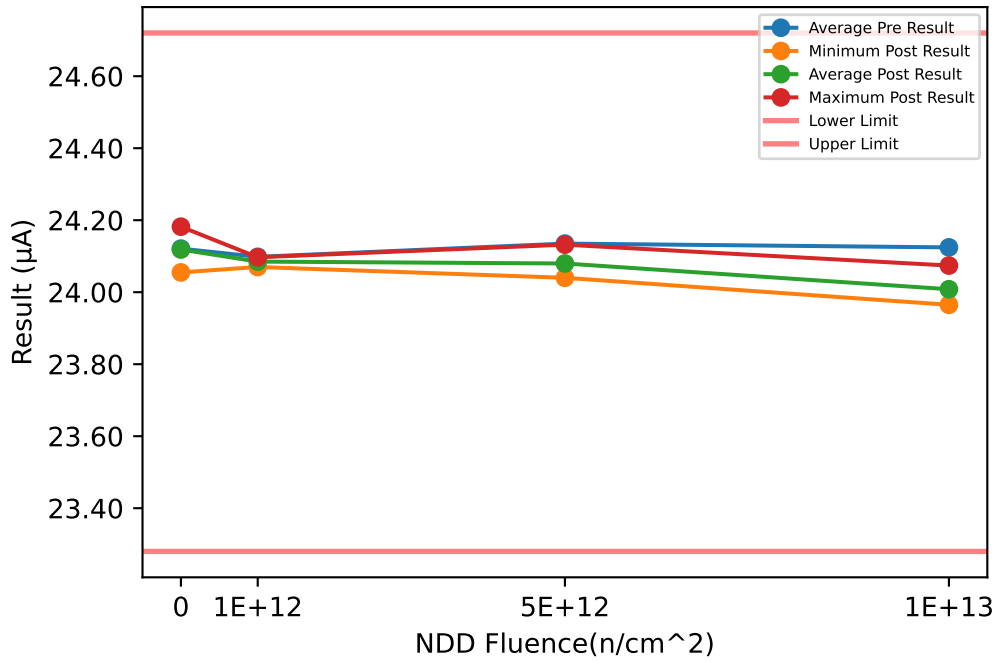


Test Statistics (µA)

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	24.061	24.087	24.112	0.036062	24.057	24.083	24.109	0.03677	-0.004	-0.0035	-0.003	0.00070711
1e+12	24.076	24.093	24.124	0.022202	24.061	24.079	24.108	0.02137	-0.016	-0.01425	-0.013	0.0015
5e+12	24.079	24.126	24.177	0.043737	24.023	24.069	24.12	0.043942	-0.06	-0.0575	-0.056	0.0017321
1e+13	24.11	24.13	24.159	0.020535	24.002	24.014	24.04	0.018007	-0.124	-0.11675	-0.108	0.006702

Device Test: 6.28 ; IHYS

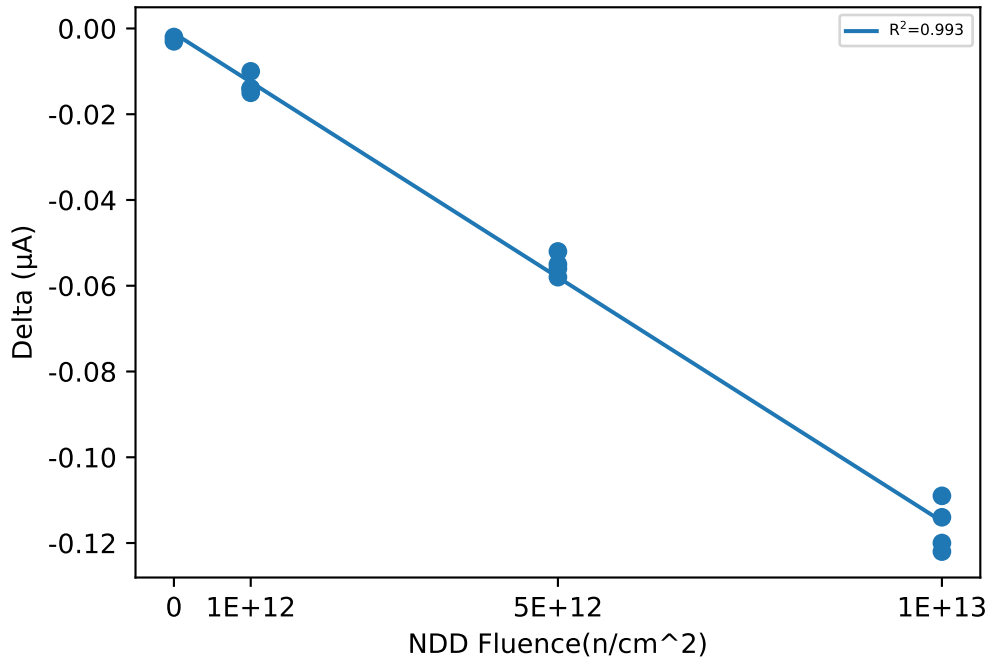
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.058	24.055	-0.003
301	0	Correlation	24.184	24.182	-0.002
353	1e+12	NDD Unbiased	24.107	24.097	-0.01
354	1e+12	NDD Unbiased	24.085	24.07	-0.015
355	1e+12	NDD Unbiased	24.095	24.081	-0.014
356	1e+12	NDD Unbiased	24.106	24.092	-0.014
357	5e+12	NDD Unbiased	24.111	24.053	-0.058
358	5e+12	NDD Unbiased	24.146	24.094	-0.052
359	5e+12	NDD Unbiased	24.096	24.04	-0.056
360	5e+12	NDD Unbiased	24.187	24.132	-0.055
361	1e+13	NDD Unbiased	24.103	23.983	-0.12
362	1e+13	NDD Unbiased	24.183	24.074	-0.109
363	1e+13	NDD Unbiased	24.079	23.965	-0.114
364	1e+13	NDD Unbiased	24.133	24.011	-0.122

NDD vs Post - Pre Exposure Delta

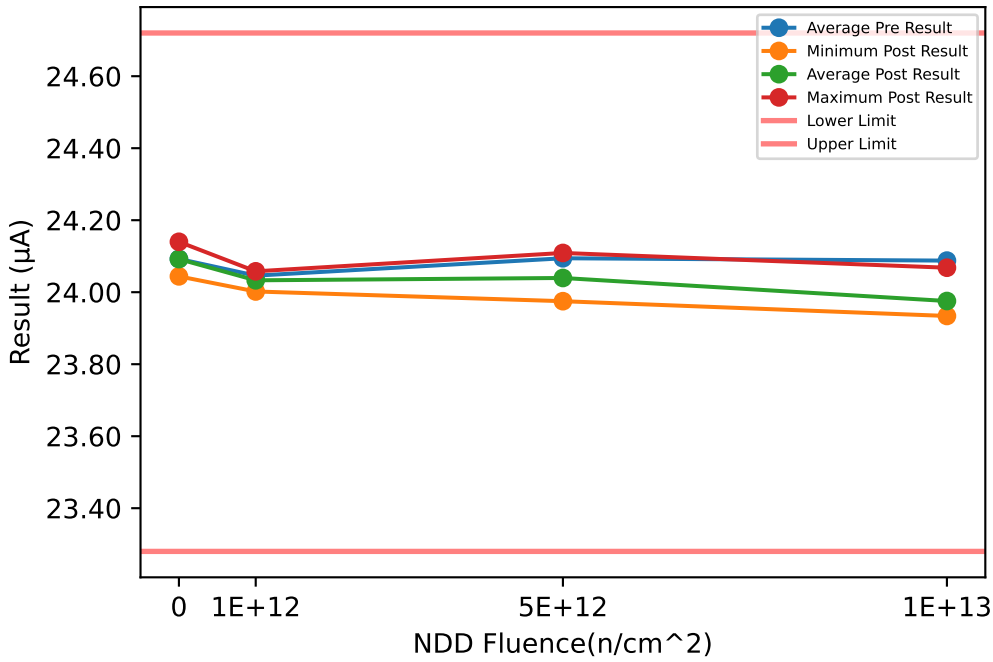


Test Statistics (µA)

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	24.058	24.121	24.184	0.089095	24.055	24.118	24.182	0.089803	-0.003	-0.0025	-0.002	0.00070711
1e+12	24.085	24.098	24.107	0.010372	24.07	24.085	24.097	0.012028	-0.015	-0.01325	-0.01	0.0022174
5e+12	24.096	24.135	24.187	0.040505	24.04	24.08	24.132	0.041748	-0.058	-0.05525	-0.052	0.0025
1e+13	24.079	24.125	24.183	0.044822	23.965	24.008	24.074	0.047745	-0.122	-0.11625	-0.109	0.005909

Device Test: 6.29 ; IHYS

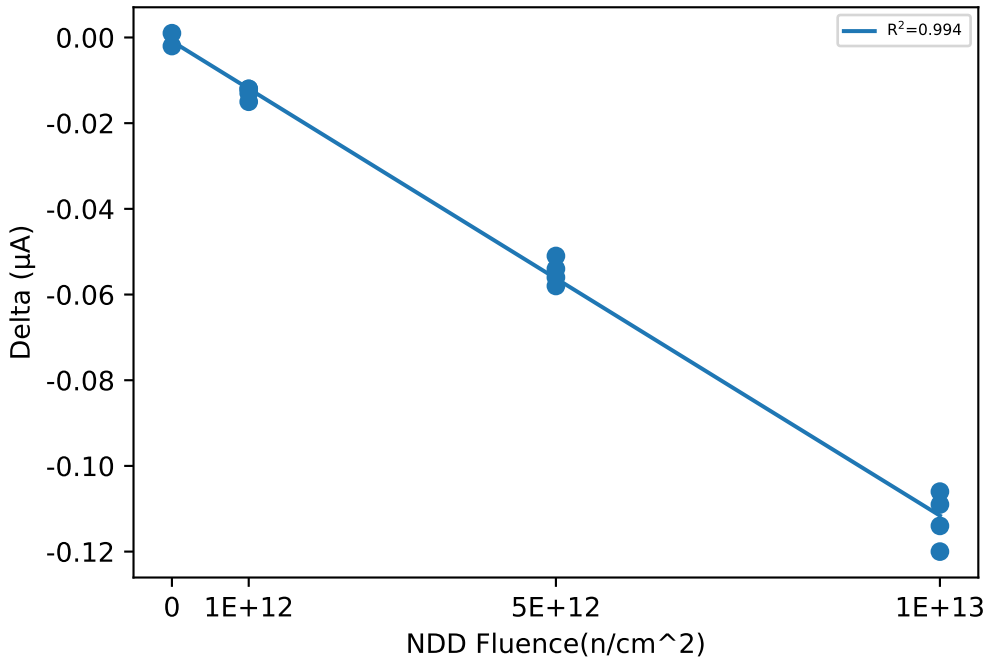
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.046	24.044	-0.002
301	0	Correlation	24.139	24.14	0.001
353	1e+12	NDD Unbiased	24.03	24.017	-0.013
354	1e+12	NDD Unbiased	24.07	24.055	-0.015
355	1e+12	NDD Unbiased	24.07	24.058	-0.012
356	1e+12	NDD Unbiased	24.014	24.002	-0.012
357	5e+12	NDD Unbiased	24.033	23.975	-0.058
358	5e+12	NDD Unbiased	24.062	24.006	-0.056
359	5e+12	NDD Unbiased	24.163	24.109	-0.054
360	5e+12	NDD Unbiased	24.119	24.068	-0.051
361	1e+13	NDD Unbiased	24.073	23.959	-0.114
362	1e+13	NDD Unbiased	24.04	23.934	-0.106
363	1e+13	NDD Unbiased	24.05	23.941	-0.109
364	1e+13	NDD Unbiased	24.188	24.068	-0.12

NDD vs Post - Pre Exposure Delta

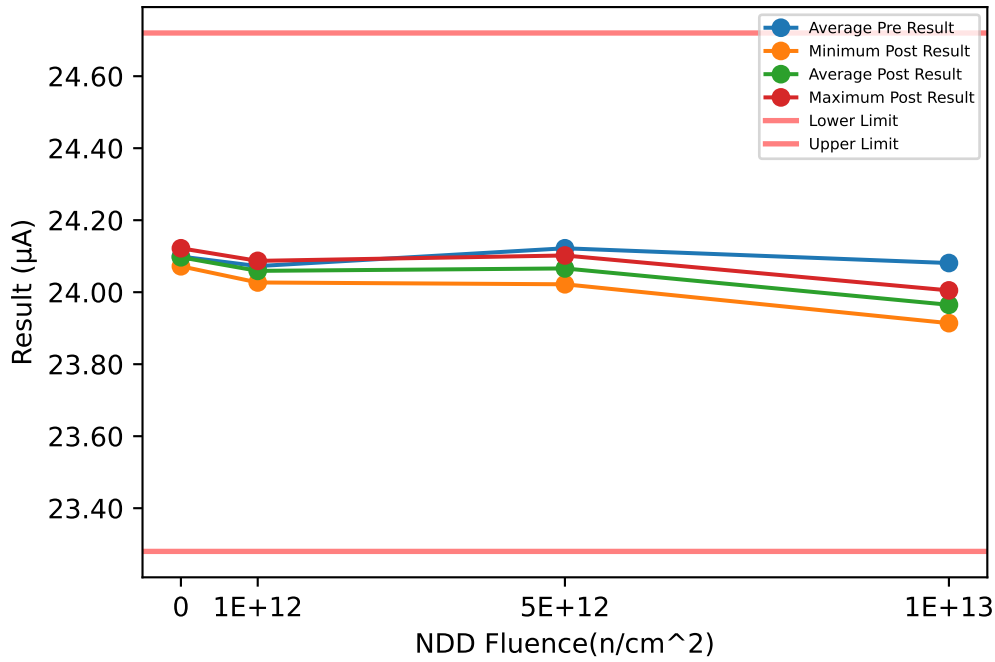


Test Statistics (µA)

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	24.046	24.093	24.139	0.065761	24.044	24.092	24.14	0.067882	-0.002	-0.0005	0.001	0.0021213
1e+12	24.014	24.046	24.07	0.028472	24.002	24.033	24.058	0.027845	-0.015	-0.013	-0.012	0.0014142
5e+12	24.033	24.094	24.163	0.058111	23.975	24.04	24.109	0.060346	-0.058	-0.05475	-0.051	0.0029861
1e+13	24.04	24.088	24.188	0.068246	23.934	23.976	24.068	0.062559	-0.12	-0.11225	-0.106	0.0061305

Device Test: 6.30 ; IHYS

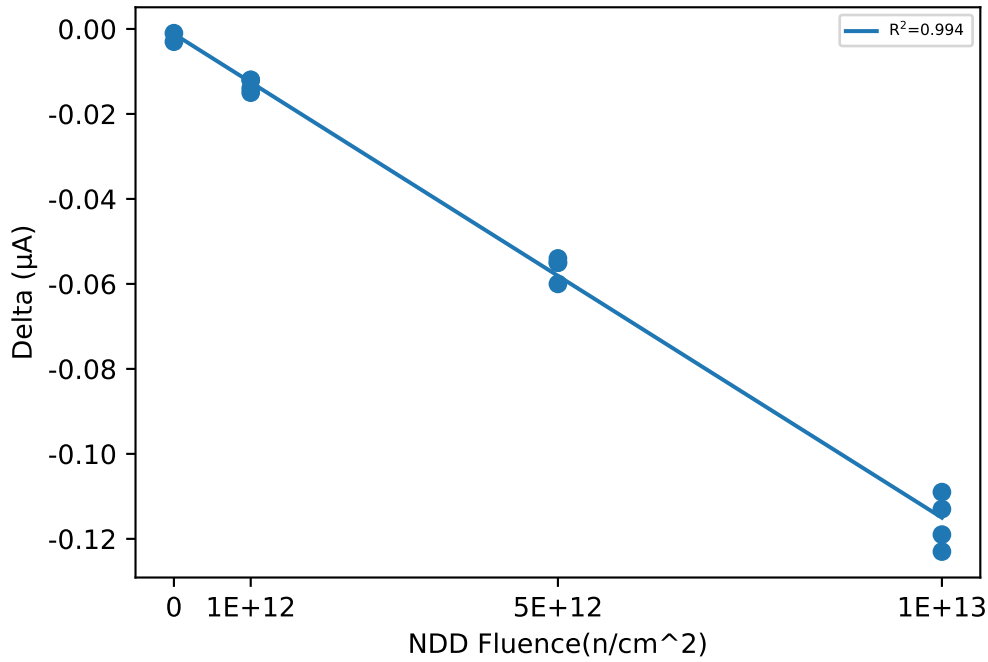
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.075	24.072	-0.003
301	0	Correlation	24.123	24.122	-0.001
353	1e+12	NDD Unbiased	24.099	24.087	-0.012
354	1e+12	NDD Unbiased	24.068	24.053	-0.015
355	1e+12	NDD Unbiased	24.084	24.07	-0.014
356	1e+12	NDD Unbiased	24.039	24.027	-0.012
357	5e+12	NDD Unbiased	24.082	24.022	-0.06
358	5e+12	NDD Unbiased	24.148	24.093	-0.055
359	5e+12	NDD Unbiased	24.156	24.102	-0.054
360	5e+12	NDD Unbiased	24.102	24.047	-0.055
361	1e+13	NDD Unbiased	24.033	23.914	-0.119
362	1e+13	NDD Unbiased	24.088	23.979	-0.109
363	1e+13	NDD Unbiased	24.075	23.962	-0.113
364	1e+13	NDD Unbiased	24.128	24.005	-0.123

NDD vs Post - Pre Exposure Delta

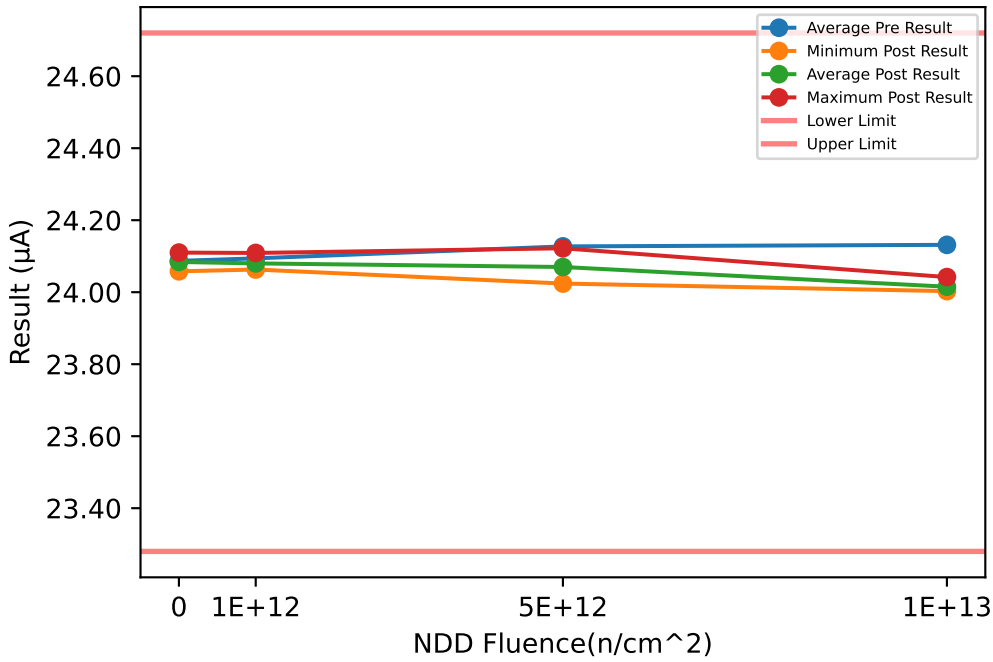


Test Statistics (µA)

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	24.075	24.099	24.123	0.033941	24.072	24.097	24.122	0.035355	-0.003	-0.002	-0.001	0.0014142
1e+12	24.039	24.073	24.099	0.025671	24.027	24.059	24.087	0.025591	-0.015	-0.01325	-0.012	0.0015
5e+12	24.082	24.122	24.156	0.03574	24.022	24.066	24.102	0.037956	-0.06	-0.056	-0.054	0.002708
1e+13	24.033	24.081	24.128	0.039149	23.914	23.965	24.005	0.038323	-0.123	-0.116	-0.109	0.0062183

Device Test: 6.31 ; IHYS

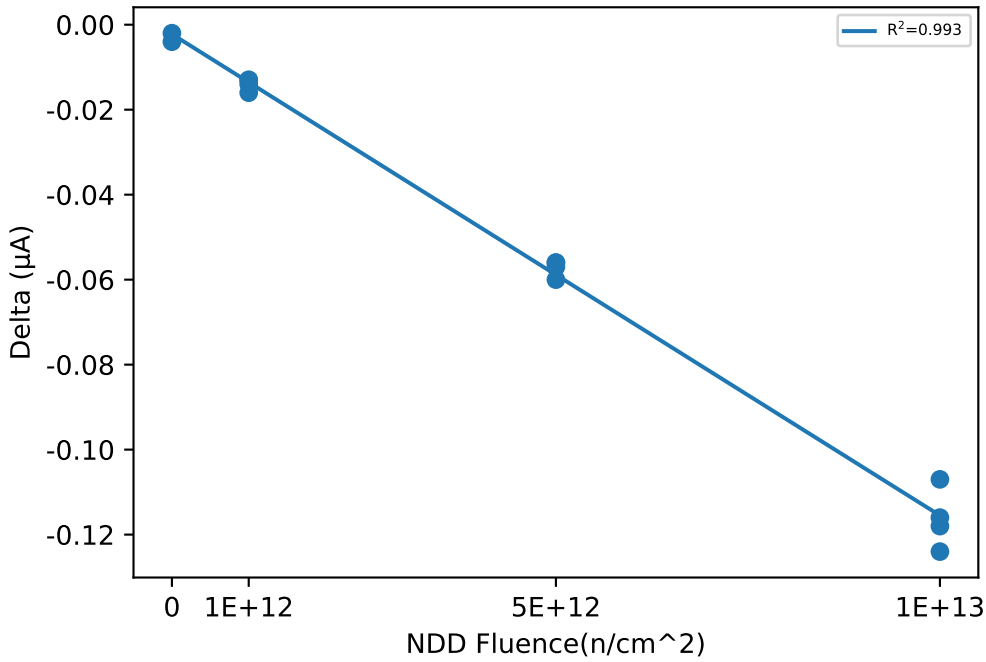
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.062	24.058	-0.004
301	0	Correlation	24.112	24.11	-0.002
353	1e+12	NDD Unbiased	24.096	24.083	-0.013
354	1e+12	NDD Unbiased	24.125	24.109	-0.016
355	1e+12	NDD Unbiased	24.079	24.065	-0.014
356	1e+12	NDD Unbiased	24.076	24.063	-0.013
357	5e+12	NDD Unbiased	24.104	24.044	-0.06
358	5e+12	NDD Unbiased	24.08	24.024	-0.056
359	5e+12	NDD Unbiased	24.178	24.122	-0.056
360	5e+12	NDD Unbiased	24.147	24.09	-0.057
361	1e+13	NDD Unbiased	24.16	24.042	-0.118
362	1e+13	NDD Unbiased	24.111	24.004	-0.107
363	1e+13	NDD Unbiased	24.128	24.012	-0.116
364	1e+13	NDD Unbiased	24.127	24.003	-0.124

NDD vs Post - Pre Exposure Delta

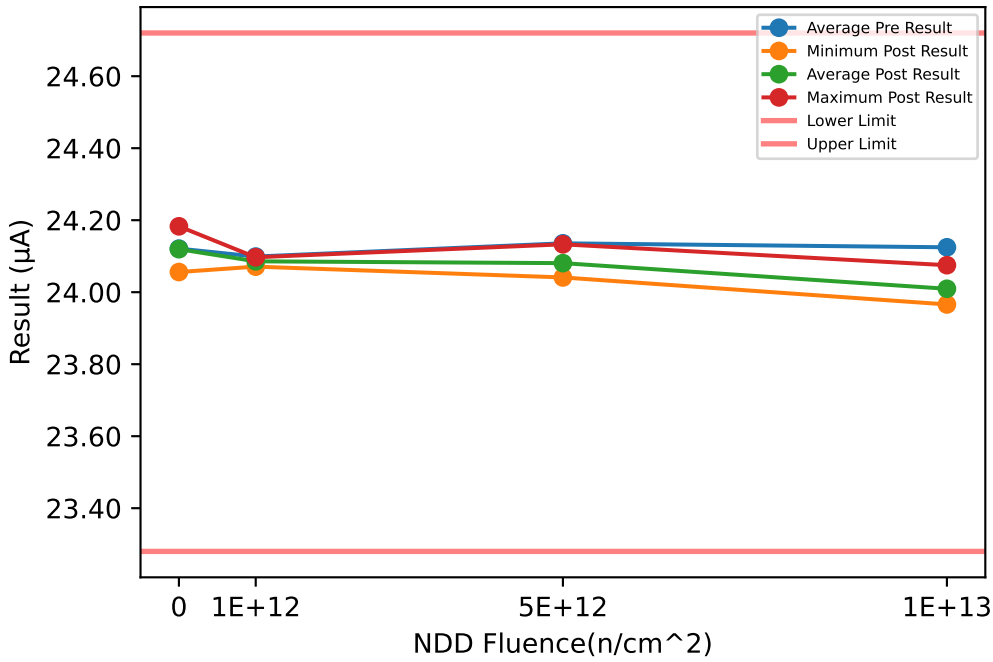


Test Statistics (µA)

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	24.062	24.087	24.112	0.035355	24.058	24.084	24.11	0.03677	-0.004	-0.003	-0.002	0.0014142
1e+12	24.076	24.094	24.125	0.022465	24.063	24.08	24.109	0.021323	-0.016	-0.014	-0.013	0.0014142
5e+12	24.08	24.127	24.178	0.043737	24.024	24.07	24.122	0.044332	-0.06	-0.05725	-0.056	0.001893
1e+13	24.111	24.131	24.16	0.020535	24.003	24.015	24.042	0.018283	-0.124	-0.11625	-0.107	0.0070415

Device Test: 6.32 ; IHYS

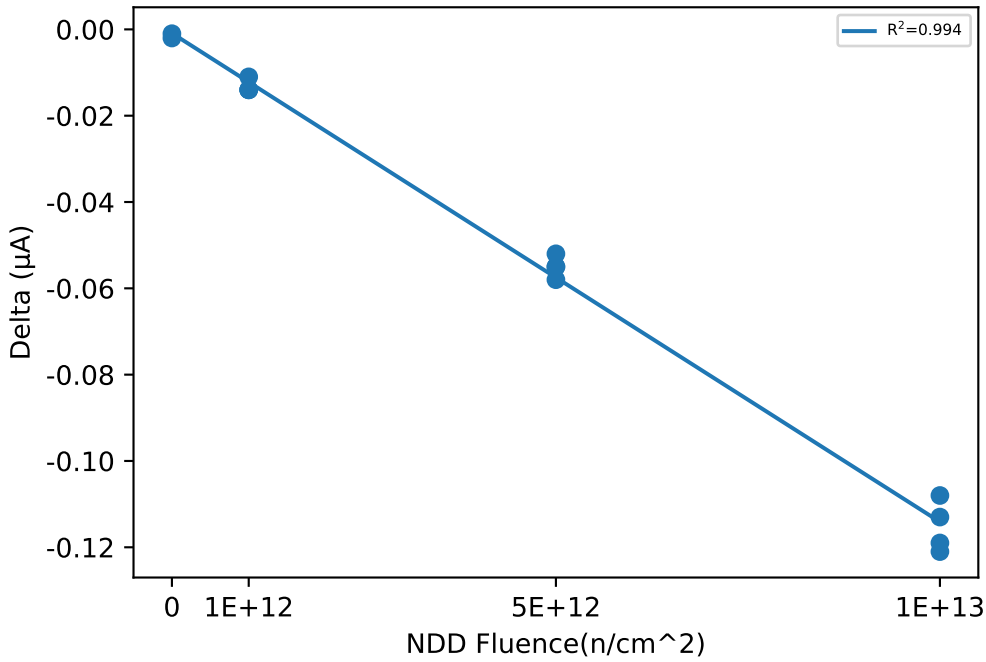
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	24.058	24.056	-0.002
301	0	Correlation	24.184	24.183	-0.001
353	1e+12	NDD Unbiased	24.108	24.097	-0.011
354	1e+12	NDD Unbiased	24.085	24.071	-0.014
355	1e+12	NDD Unbiased	24.096	24.082	-0.014
356	1e+12	NDD Unbiased	24.107	24.093	-0.014
357	5e+12	NDD Unbiased	24.112	24.054	-0.058
358	5e+12	NDD Unbiased	24.147	24.095	-0.052
359	5e+12	NDD Unbiased	24.096	24.041	-0.055
360	5e+12	NDD Unbiased	24.188	24.133	-0.055
361	1e+13	NDD Unbiased	24.104	23.985	-0.119
362	1e+13	NDD Unbiased	24.183	24.075	-0.108
363	1e+13	NDD Unbiased	24.079	23.966	-0.113
364	1e+13	NDD Unbiased	24.133	24.012	-0.121

NDD vs Post - Pre Exposure Delta

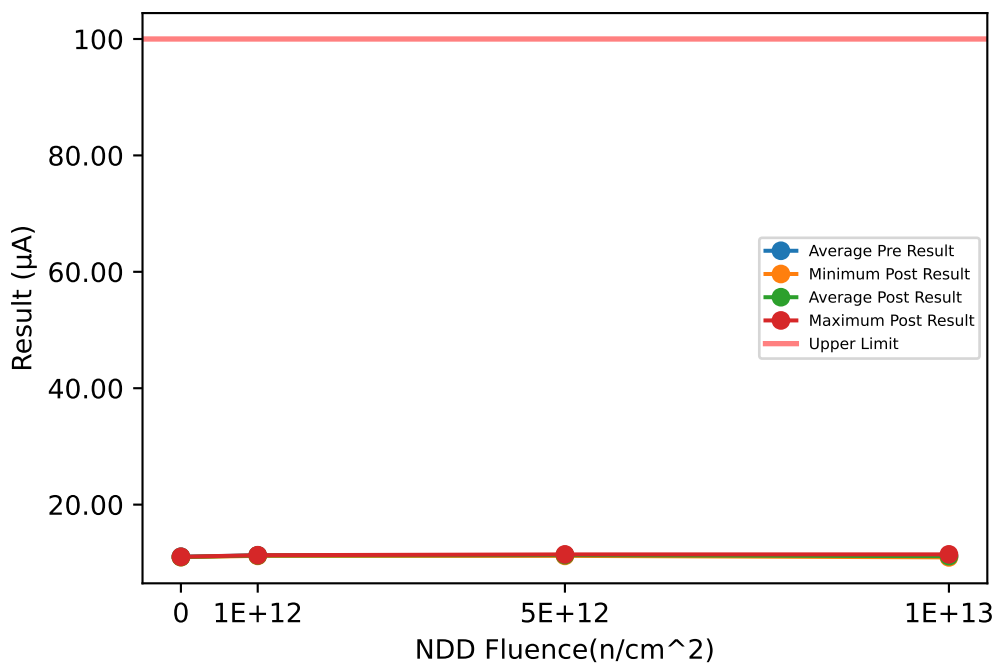


Test Statistics (µA)

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	24.058	24.121	24.184	0.089095	24.056	24.12	24.183	0.089803	-0.002	-0.0015	-0.001	0.00070711
1e+12	24.085	24.099	24.108	0.010801	24.071	24.086	24.097	0.011701	-0.014	-0.01325	-0.011	0.0015
5e+12	24.096	24.136	24.188	0.040828	24.041	24.081	24.133	0.041748	-0.058	-0.055	-0.052	0.0024495
1e+13	24.079	24.125	24.183	0.044664	23.966	24.009	24.075	0.047571	-0.121	-0.11525	-0.108	0.005909

Device Test: 6.33 ; PULL_UP_LKG

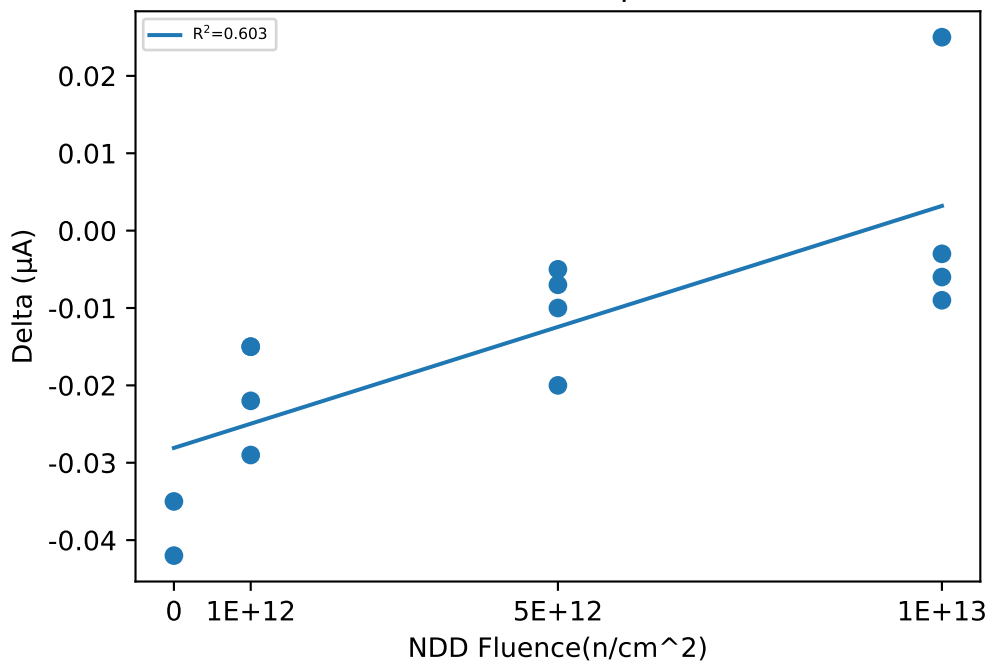
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (µA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	11.083	11.041	-0.042
301	0	Correlation	11.001	10.966	-0.035
353	1e+12	NDD Unbiased	11.223	11.194	-0.029
354	1e+12	NDD Unbiased	11.329	11.307	-0.022
355	1e+12	NDD Unbiased	11.268	11.253	-0.015
356	1e+12	NDD Unbiased	11.325	11.31	-0.015
357	5e+12	NDD Unbiased	11.205	11.195	-0.01
358	5e+12	NDD Unbiased	11.27	11.25	-0.02
359	5e+12	NDD Unbiased	11.453	11.448	-0.005
360	5e+12	NDD Unbiased	11.401	11.394	-0.007
361	1e+13	NDD Unbiased	10.936	10.933	-0.003
362	1e+13	NDD Unbiased	11.247	11.238	-0.009
363	1e+13	NDD Unbiased	10.94	10.934	-0.006
364	1e+13	NDD Unbiased	11.429	11.454	0.025

NDD vs Post - Pre Exposure Delta

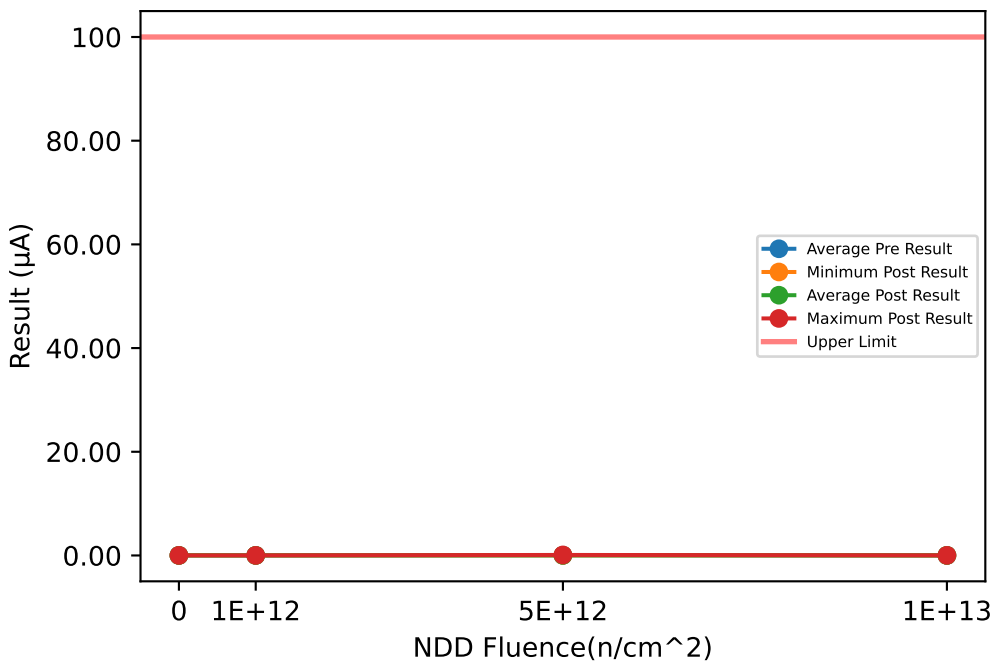


Test Statistics (µA)

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	11.001	11.042	11.083	0.057983	10.966	11.003	11.041	0.053033	-0.042	-0.0385	-0.035	0.0049497
1e+12	11.223	11.286	11.329	0.05054	11.194	11.266	11.31	0.054681	-0.029	-0.02025	-0.015	0.006702
5e+12	11.205	11.332	11.453	0.11456	11.195	11.322	11.448	0.11885	-0.02	-0.0105	-0.005	0.0066583
1e+13	10.936	11.138	11.429	0.2426	10.933	11.14	11.454	0.25396	-0.009	0.00175	0.025	0.015692

Device Test: 6.34 ; PULL_UP_LKG

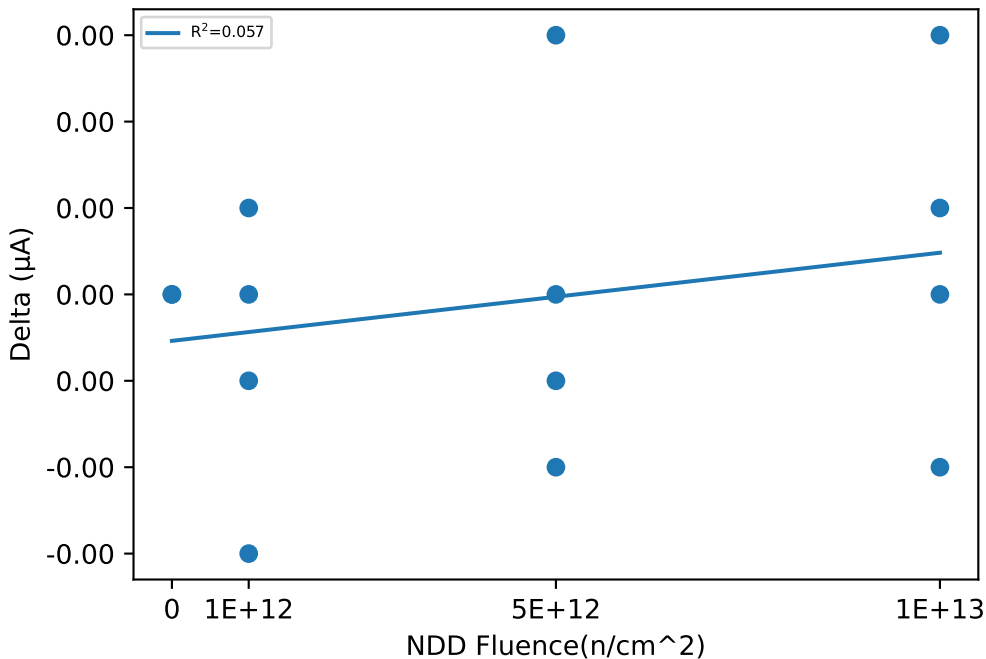
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (µA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.013	0.014	0.001
301	0	Correlation	0.013	0.014	0.001
353	1e+12	NDD Unbiased	0.016	0.014	-0.002
354	1e+12	NDD Unbiased	0.012	0.012	0
355	1e+12	NDD Unbiased	0.012	0.013	0.001
356	1e+12	NDD Unbiased	0.011	0.013	0.002
357	5e+12	NDD Unbiased	0.096	0.1	0.004
358	5e+12	NDD Unbiased	0.013	0.012	-0.001
359	5e+12	NDD Unbiased	0.012	0.012	0
360	5e+12	NDD Unbiased	0.012	0.013	0.001
361	1e+13	NDD Unbiased	0.011	0.013	0.002
362	1e+13	NDD Unbiased	0.013	0.012	-0.001
363	1e+13	NDD Unbiased	0.012	0.013	0.001
364	1e+13	NDD Unbiased	0.014	0.018	0.004

NDD vs Post - Pre Exposure Delta

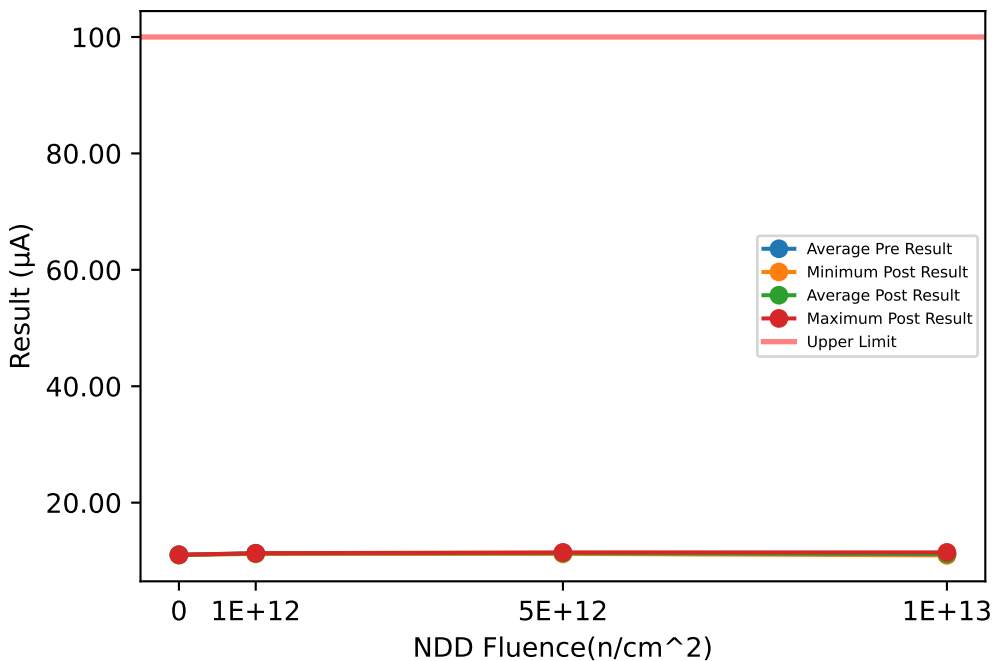


Test Statistics (µA)

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	0.013	0.013	0.013	0	0.014	0.014	0.014	0	0.001	0.001	0.001	0
1e+12	0.011	0.01275	0.016	0.0022174	0.012	0.013	0.014	0.0008165	-0.002	0.00025	0.002	0.0017078
5e+12	0.012	0.03325	0.096	0.041836	0.012	0.03425	0.1	0.043836	-0.001	0.001	0.004	0.0021602
1e+13	0.011	0.0125	0.014	0.001291	0.012	0.014	0.018	0.002708	-0.001	0.0015	0.004	0.0020817

Device Test: 6.35 ; PULL_UP_LKG

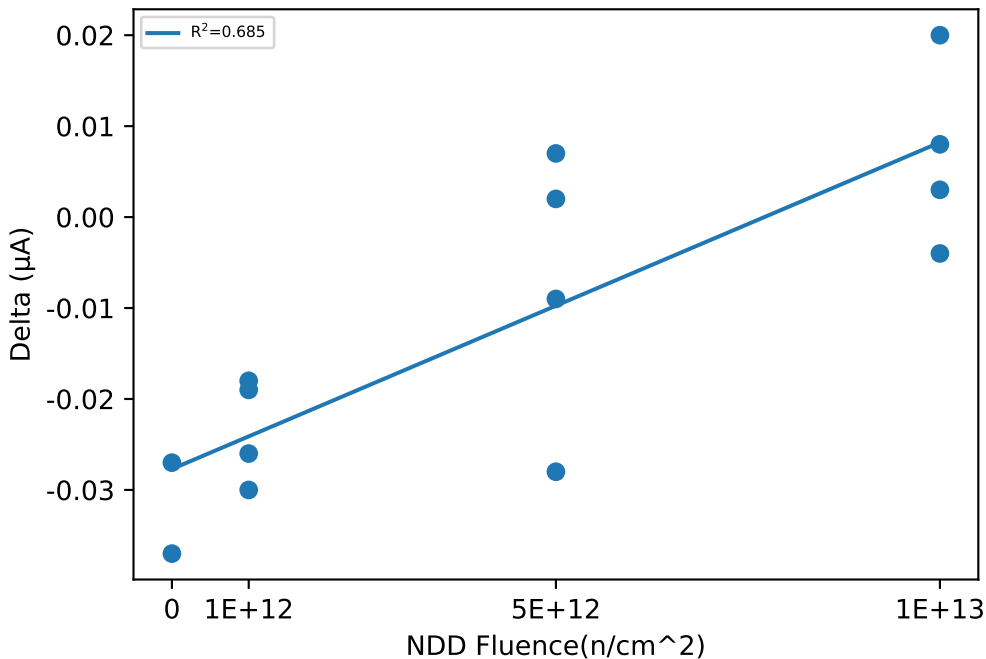
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (µA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	11.088	11.051	-0.037
301	0	Correlation	11.004	10.977	-0.027
353	1e+12	NDD Unbiased	11.236	11.206	-0.03
354	1e+12	NDD Unbiased	11.336	11.31	-0.026
355	1e+12	NDD Unbiased	11.279	11.26	-0.019
356	1e+12	NDD Unbiased	11.334	11.316	-0.018
357	5e+12	NDD Unbiased	11.218	11.19	-0.028
358	5e+12	NDD Unbiased	11.273	11.264	-0.009
359	5e+12	NDD Unbiased	11.456	11.458	0.002
360	5e+12	NDD Unbiased	11.406	11.413	0.007
361	1e+13	NDD Unbiased	10.936	10.939	0.003
362	1e+13	NDD Unbiased	11.251	11.247	-0.004
363	1e+13	NDD Unbiased	10.948	10.956	0.008
364	1e+13	NDD Unbiased	11.439	11.459	0.02

NDD vs Post - Pre Exposure Delta

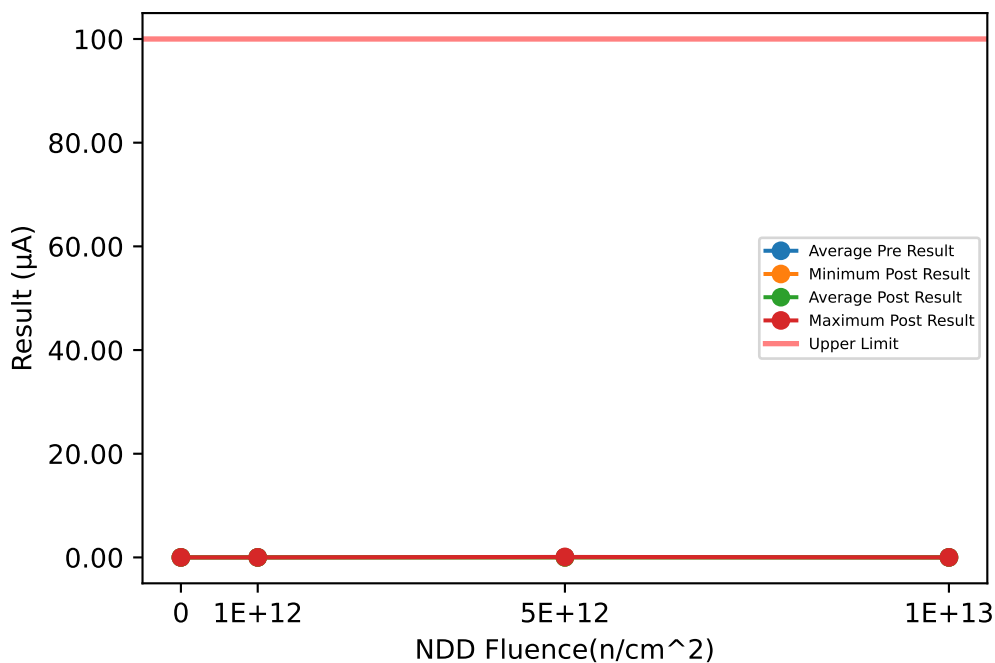


Test Statistics (µA)

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	11.004	11.046	11.088	0.059397	10.977	11.014	11.051	0.052326	-0.037	-0.032	-0.027	0.0070711
1e+12	11.236	11.296	11.336	0.048072	11.206	11.273	11.316	0.051238	-0.03	-0.02325	-0.018	0.0057373
5e+12	11.218	11.338	11.456	0.11131	11.19	11.331	11.458	0.12546	-0.028	-0.007	0.007	0.015513
1e+13	10.936	11.143	11.439	0.24505	10.939	11.15	11.459	0.2497	-0.004	0.00675	0.02	0.010112

Device Test: 6.36 ; PULL_UP_LKG

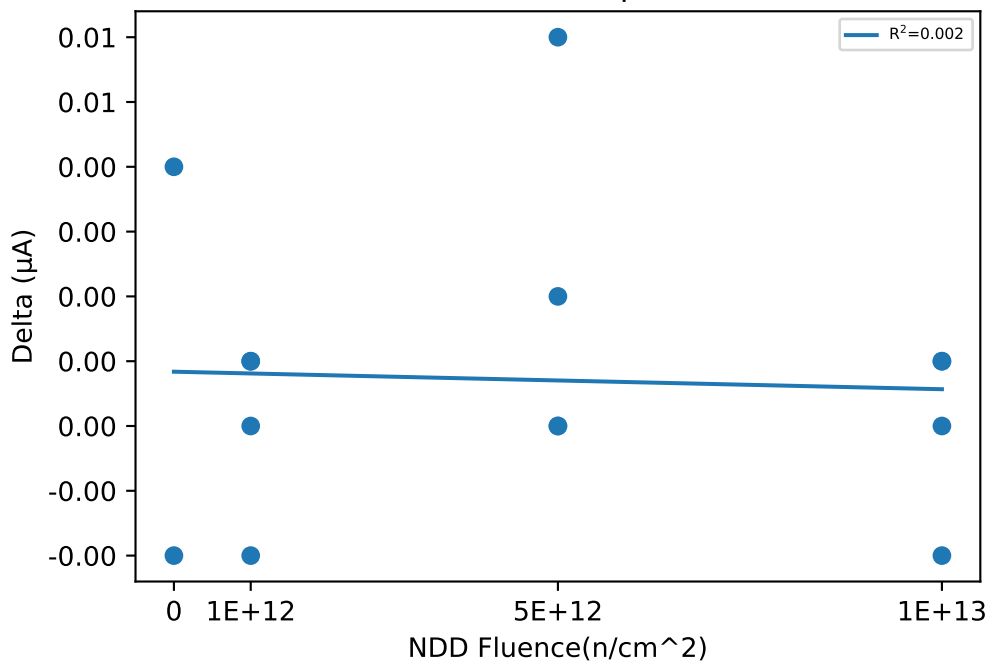
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (µA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.005	0.009	0.004
301	0	Correlation	0.007	0.005	-0.002
353	1e+12	NDD Unbiased	0.009	0.01	0.001
354	1e+12	NDD Unbiased	0.005	0.005	0
355	1e+12	NDD Unbiased	0.005	0.006	0.001
356	1e+12	NDD Unbiased	0.008	0.006	-0.002
357	5e+12	NDD Unbiased	0.09	0.096	0.006
358	5e+12	NDD Unbiased	0.005	0.005	0
359	5e+12	NDD Unbiased	0.004	0.006	0.002
360	5e+12	NDD Unbiased	0.006	0.006	0
361	1e+13	NDD Unbiased	0.006	0.006	0
362	1e+13	NDD Unbiased	0.006	0.007	0.001
363	1e+13	NDD Unbiased	0.006	0.004	-0.002
364	1e+13	NDD Unbiased	0.009	0.01	0.001

NDD vs Post - Pre Exposure Delta

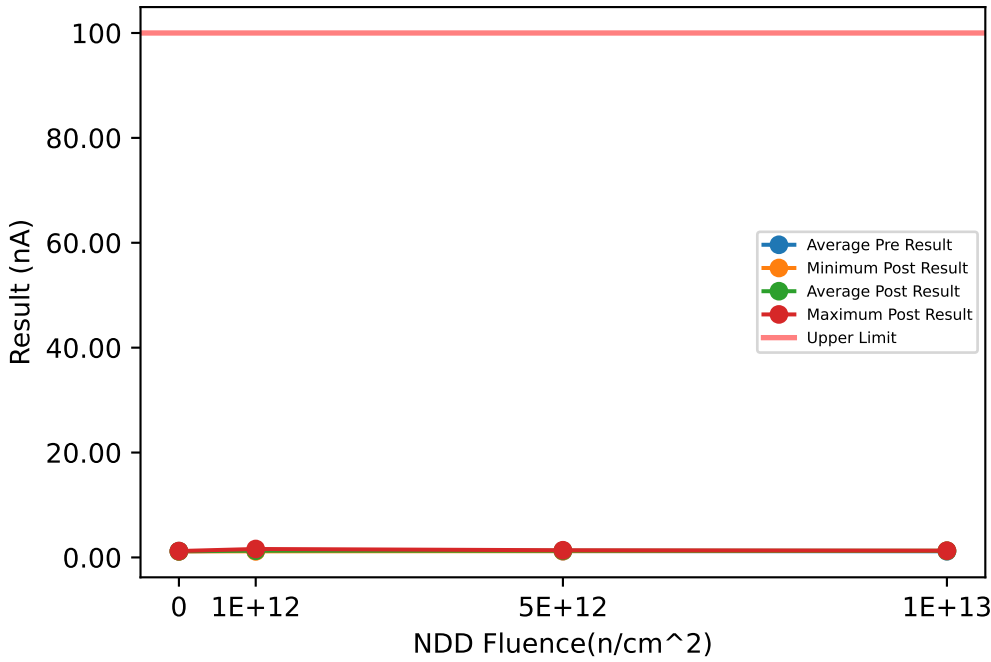


Test Statistics (µA)

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	0.005	0.006	0.007	0.0014142	0.005	0.007	0.009	0.0028284	-0.002	0.001	0.004	0.0042426
1e+12	0.005	0.00675	0.009	0.0020616	0.005	0.00675	0.01	0.0022174	-0.002	2.1684e-19	0.001	0.0014142
5e+12	0.004	0.02625	0.09	0.042508	0.005	0.02825	0.096	0.045169	0	0.002	0.006	0.0028284
1e+13	0.006	0.00675	0.009	0.0015	0.004	0.00675	0.01	0.0025	-0.002	2.1684e-19	0.001	0.0014142

Device Test: 6.37 ; ILKG_WDI

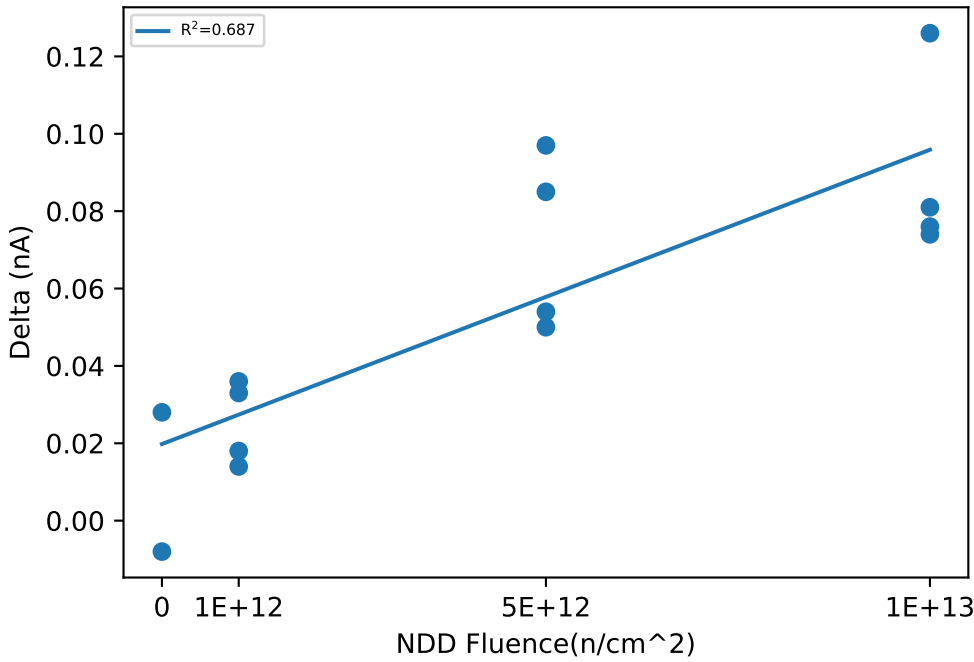
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.195	1.223	0.028
301	0	Correlation	1.16	1.152	-0.008
353	1e+12	NDD Unbiased	1.166	1.202	0.036
354	1e+12	NDD Unbiased	1.149	1.163	0.014
355	1e+12	NDD Unbiased	1.594	1.612	0.018
356	1e+12	NDD Unbiased	1.125	1.158	0.033
357	5e+12	NDD Unbiased	1.324	1.374	0.05
358	5e+12	NDD Unbiased	1.142	1.196	0.054
359	5e+12	NDD Unbiased	1.194	1.279	0.085
360	5e+12	NDD Unbiased	1.179	1.276	0.097
361	1e+13	NDD Unbiased	1.127	1.253	0.126
362	1e+13	NDD Unbiased	1.186	1.262	0.076
363	1e+13	NDD Unbiased	1.164	1.245	0.081
364	1e+13	NDD Unbiased	1.217	1.291	0.074

NDD vs Post - Pre Exposure Delta

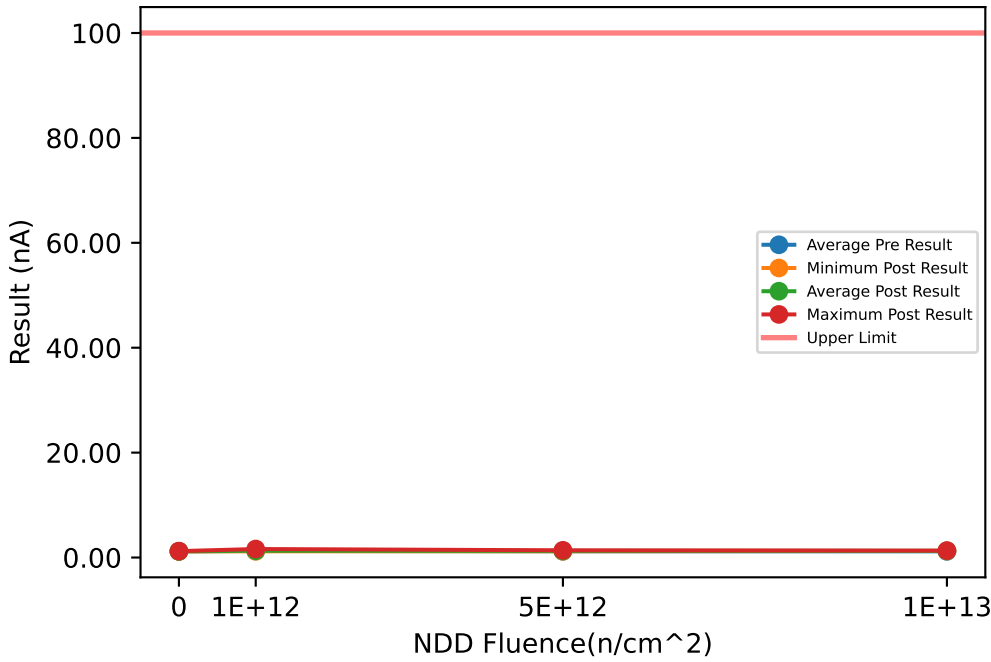


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.16	1.1775	1.195	0.024749	1.152	1.1875	1.223	0.050205	-0.008	0.01	0.028	0.025456
1e+12	1.125	1.2585	1.594	0.2243	1.158	1.2837	1.612	0.21972	0.014	0.02525	0.036	0.010874
5e+12	1.142	1.2098	1.324	0.07924	1.196	1.2812	1.374	0.072807	0.05	0.0715	0.097	0.023101
1e+13	1.127	1.1735	1.217	0.037864	1.245	1.2628	1.291	0.020073	0.074	0.08925	0.126	0.024676

Device Test: 6.38 ; ILKG_WDI

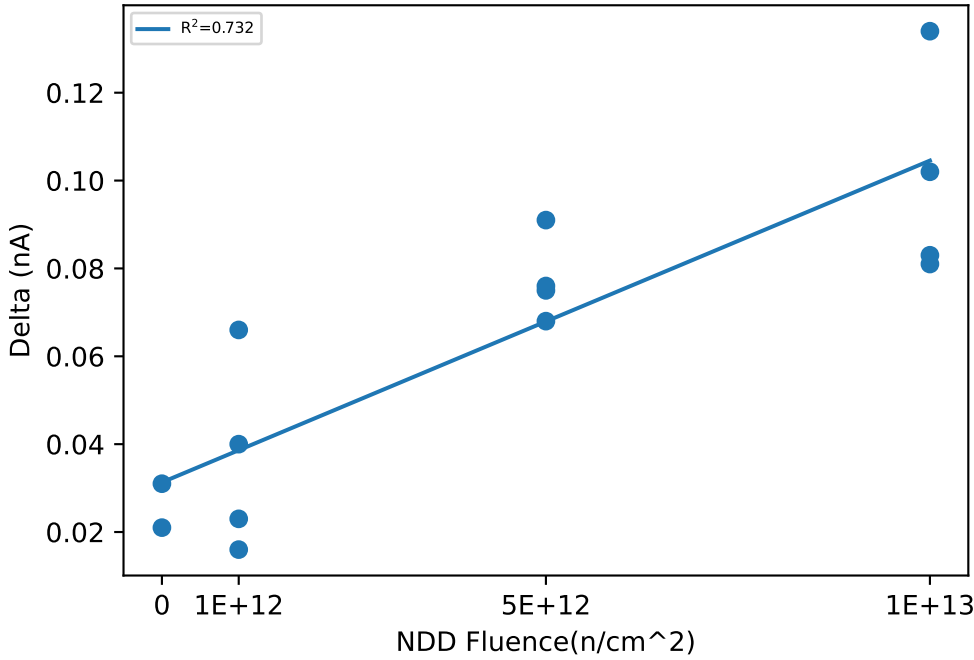
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.191	1.222	0.031
301	0	Correlation	1.148	1.169	0.021
353	1e+12	NDD Unbiased	1.171	1.187	0.016
354	1e+12	NDD Unbiased	1.144	1.184	0.04
355	1e+12	NDD Unbiased	1.599	1.622	0.023
356	1e+12	NDD Unbiased	1.117	1.183	0.066
357	5e+12	NDD Unbiased	1.31	1.378	0.068
358	5e+12	NDD Unbiased	1.121	1.196	0.075
359	5e+12	NDD Unbiased	1.193	1.284	0.091
360	5e+12	NDD Unbiased	1.145	1.221	0.076
361	1e+13	NDD Unbiased	1.121	1.255	0.134
362	1e+13	NDD Unbiased	1.199	1.28	0.081
363	1e+13	NDD Unbiased	1.169	1.252	0.083
364	1e+13	NDD Unbiased	1.218	1.32	0.102

NDD vs Post - Pre Exposure Delta

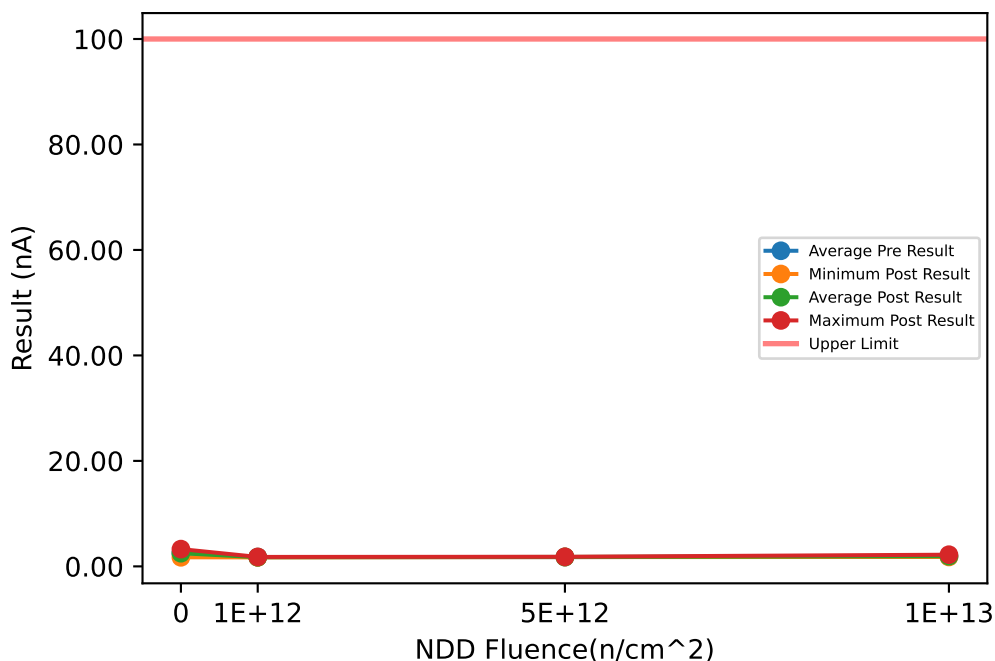


Test Statistics (nA)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.148	1.1695	1.191	0.030406	1.169	1.1955	1.222	0.037477	0.021	0.026	0.031	0.0070711
1e+12	1.117	1.2577	1.599	0.22857	1.183	1.294	1.622	0.21867	0.016	0.03625	0.066	0.022247
5e+12	1.121	1.1923	1.31	0.084013	1.196	1.2697	1.378	0.081111	0.068	0.0775	0.091	0.0096782
1e+13	1.121	1.1767	1.218	0.042288	1.252	1.2768	1.32	0.031447	0.081	0.1	0.134	0.024563

Device Test: 6.39 ; ILKG_MODE

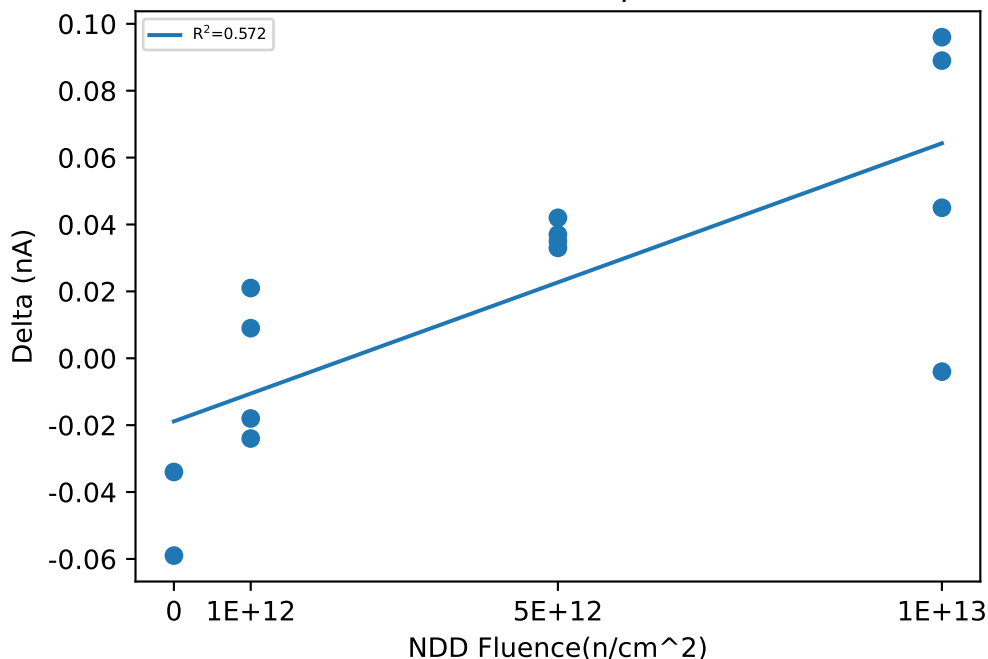
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3.334	3.275	-0.059
301	0	Correlation	1.754	1.72	-0.034
353	1e+12	NDD Unbiased	1.721	1.703	-0.018
354	1e+12	NDD Unbiased	1.743	1.764	0.021
355	1e+12	NDD Unbiased	1.747	1.723	-0.024
356	1e+12	NDD Unbiased	1.784	1.793	0.009
357	5e+12	NDD Unbiased	1.778	1.815	0.037
358	5e+12	NDD Unbiased	1.738	1.771	0.033
359	5e+12	NDD Unbiased	1.725	1.76	0.035
360	5e+12	NDD Unbiased	1.781	1.823	0.042
361	1e+13	NDD Unbiased	1.74	1.785	0.045
362	1e+13	NDD Unbiased	2.119	2.215	0.096
363	1e+13	NDD Unbiased	1.85	1.846	-0.004
364	1e+13	NDD Unbiased	1.796	1.885	0.089

NDD vs Post - Pre Exposure Delta

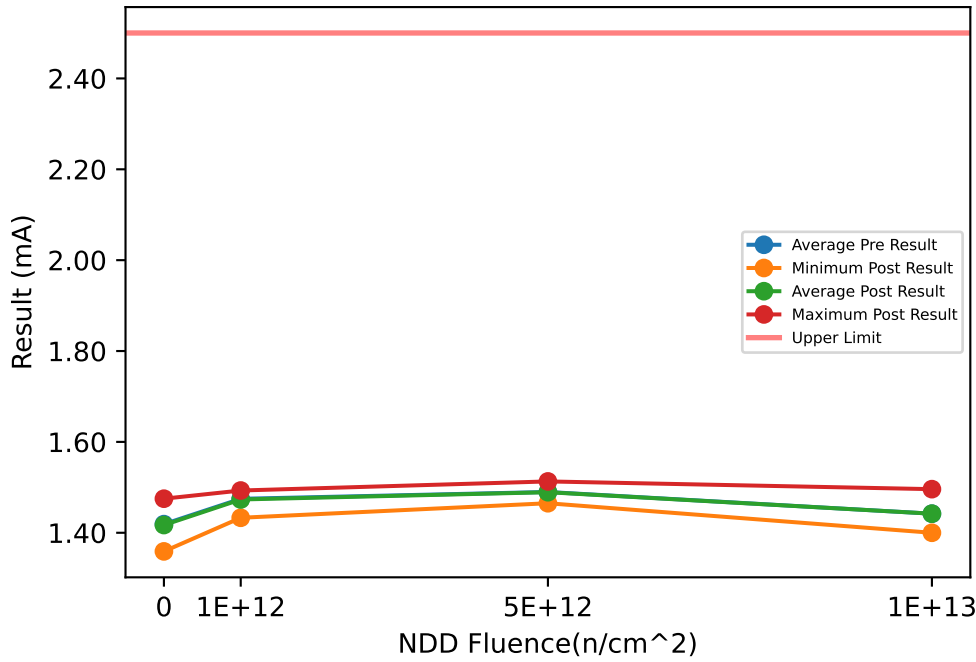


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.754	2.544	3.334	1.1172	1.72	2.4975	3.275	1.0996	-0.059	-0.0465	-0.034	0.017678
1e+12	1.721	1.7488	1.784	0.026133	1.703	1.7458	1.793	0.040459	-0.024	-0.003	0.021	0.021494
5e+12	1.725	1.7555	1.781	0.028243	1.76	1.7922	1.823	0.031383	0.033	0.03675	0.042	0.0038622
1e+13	1.74	1.8763	2.119	0.16795	1.785	1.9327	2.215	0.19261	-0.004	0.0565	0.096	0.04622

Device Test: 6.4 ; IQ

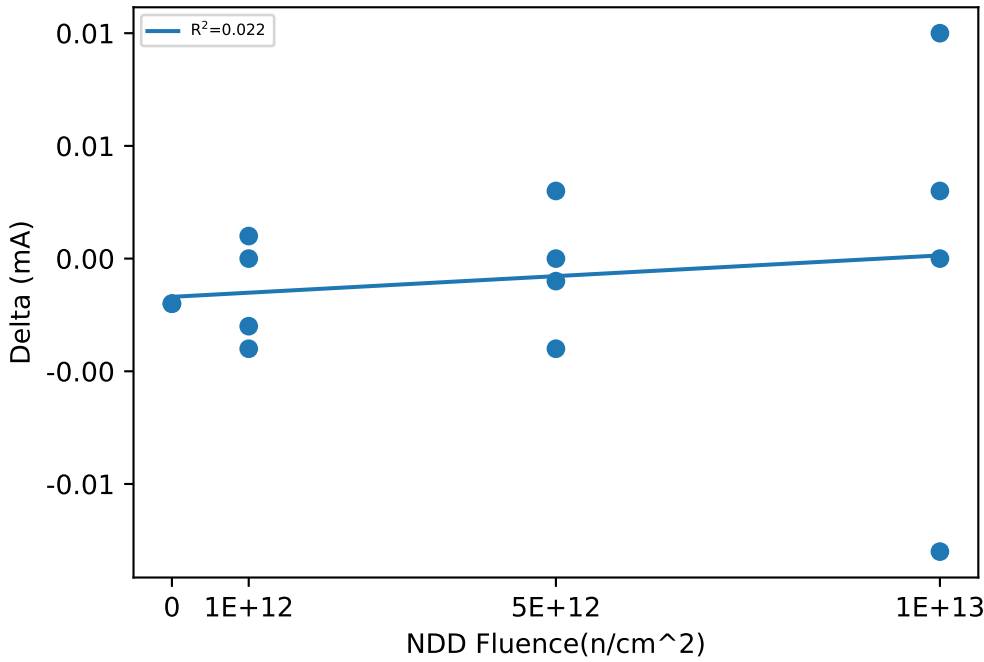
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.477	1.475	-0.002
301	0	Correlation	1.361	1.359	-0.002
353	1e+12	NDD Unbiased	1.437	1.433	-0.004
354	1e+12	NDD Unbiased	1.475	1.476	0.001
355	1e+12	NDD Unbiased	1.493	1.493	0
356	1e+12	NDD Unbiased	1.494	1.491	-0.003
357	5e+12	NDD Unbiased	1.511	1.51	-0.001
358	5e+12	NDD Unbiased	1.513	1.513	0
359	5e+12	NDD Unbiased	1.473	1.469	-0.004
360	5e+12	NDD Unbiased	1.462	1.465	0.003
361	1e+13	NDD Unbiased	1.4	1.4	0
362	1e+13	NDD Unbiased	1.468	1.455	-0.013
363	1e+13	NDD Unbiased	1.486	1.496	0.01
364	1e+13	NDD Unbiased	1.414	1.417	0.003

NDD vs Post - Pre Exposure Delta

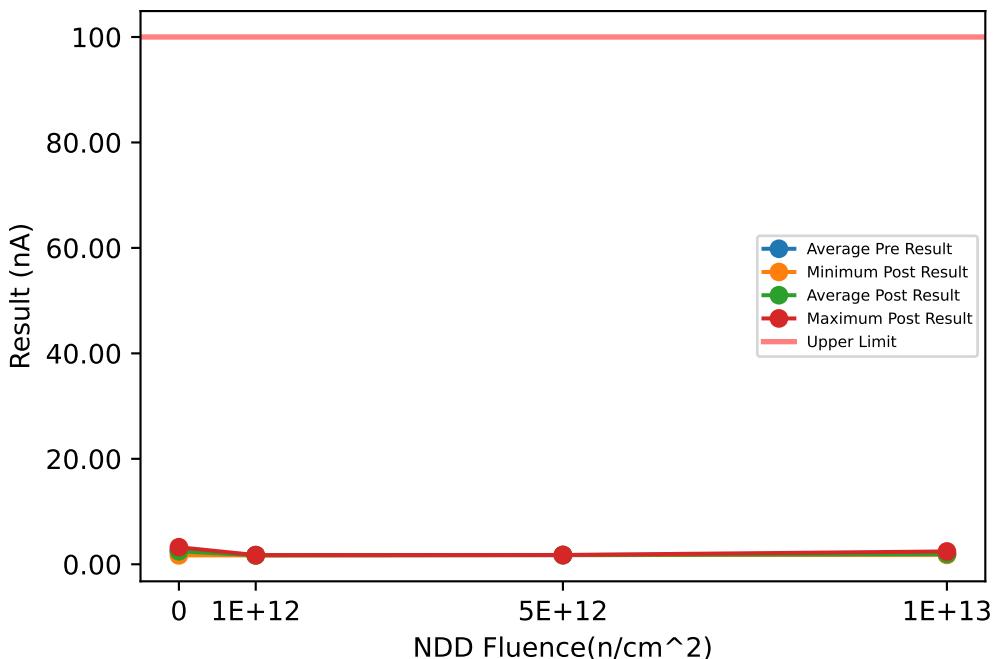


Test Statistics (mA)

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	1.361	1.419	1.477	0.082024	1.359	1.417	1.475	0.082024	-0.002	-0.002	-0.002	0
1e+12	1.437	1.4748	1.494	0.026638	1.433	1.4733	1.493	0.027885	-0.004	-0.0015	0.001	0.0023805
5e+12	1.462	1.4897	1.513	0.026094	1.465	1.4892	1.513	0.025773	-0.004	-0.0005	0.003	0.0028868
1e+13	1.4	1.442	1.486	0.041473	1.4	1.442	1.496	0.042716	-0.013	5.5511e-17	0.01	0.0096264

Device Test: 6.40 ; ILKG_MODE

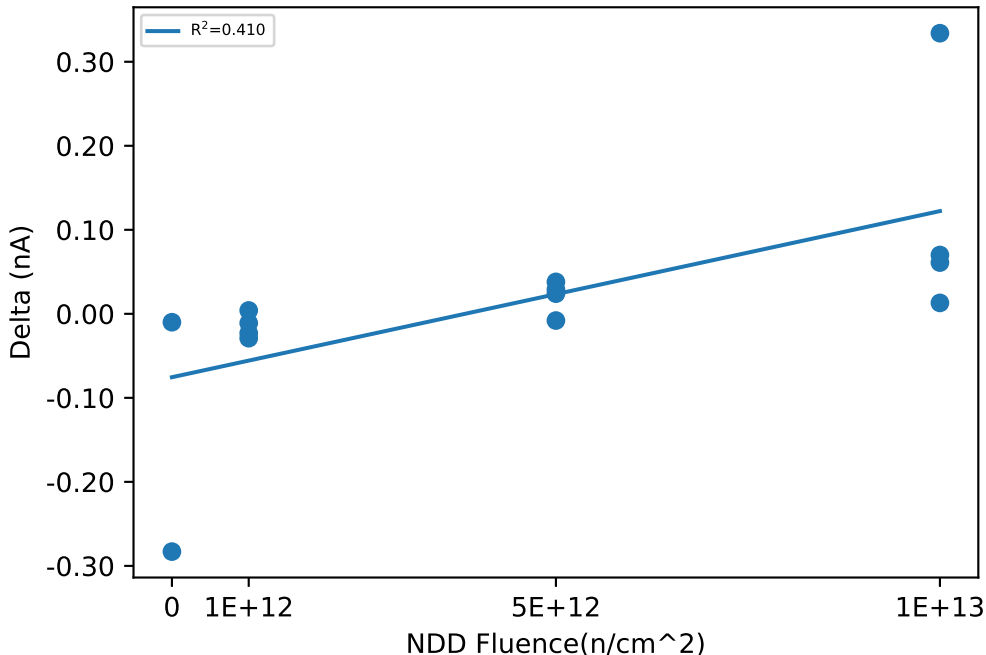
NDD vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3.519	3.236	-0.283
301	0	Correlation	1.7	1.69	-0.01
353	1e+12	NDD Unbiased	1.713	1.684	-0.029
354	1e+12	NDD Unbiased	1.71	1.714	0.004
355	1e+12	NDD Unbiased	1.696	1.685	-0.011
356	1e+12	NDD Unbiased	1.767	1.744	-0.023
357	5e+12	NDD Unbiased	1.742	1.766	0.024
358	5e+12	NDD Unbiased	1.712	1.741	0.029
359	5e+12	NDD Unbiased	1.707	1.745	0.038
360	5e+12	NDD Unbiased	1.758	1.75	-0.008
361	1e+13	NDD Unbiased	1.708	1.778	0.07
362	1e+13	NDD Unbiased	2.099	2.433	0.334
363	1e+13	NDD Unbiased	1.816	1.829	0.013
364	1e+13	NDD Unbiased	1.763	1.824	0.061

NDD vs Post - Pre Exposure Delta

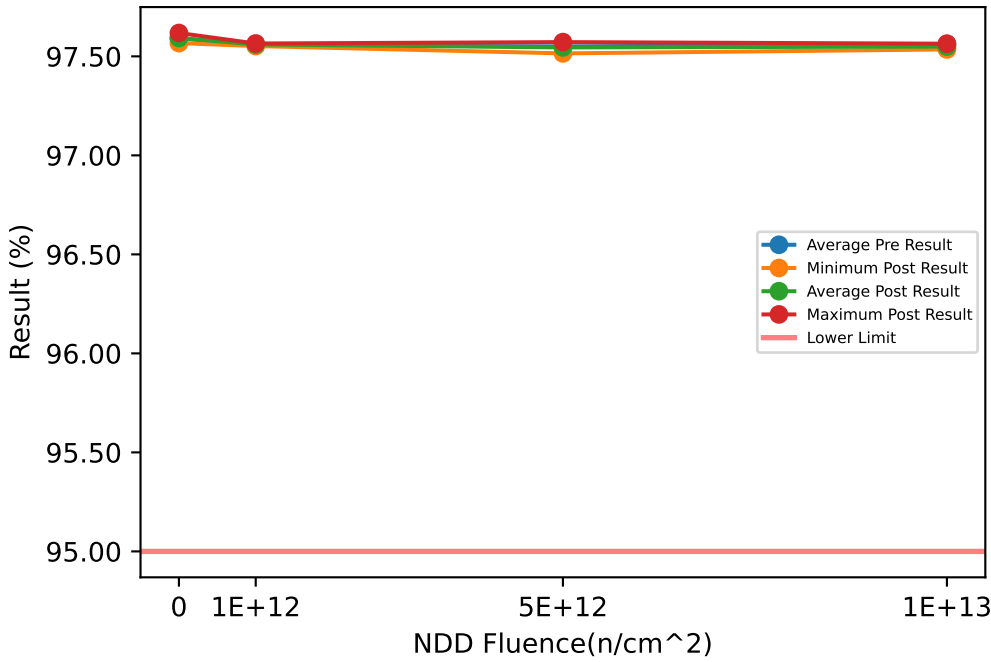


Test Statistics (nA)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.7	2.6095	3.519	1.2862	1.69	2.463	3.236	1.0932	-0.283	-0.1465	-0.01	0.19304
1e+12	1.696	1.7215	1.767	0.031225	1.684	1.7067	1.744	0.028465	-0.029	-0.01475	0.004	0.014569
5e+12	1.707	1.7298	1.758	0.024364	1.741	1.7505	1.766	0.01097	-0.008	0.02075	0.038	0.020023
1e+13	1.708	1.8465	2.099	0.17401	1.778	1.966	2.433	0.31218	0.013	0.1195	0.334	0.14517

Device Test: 6.41 ; VOH_RESET_2MA

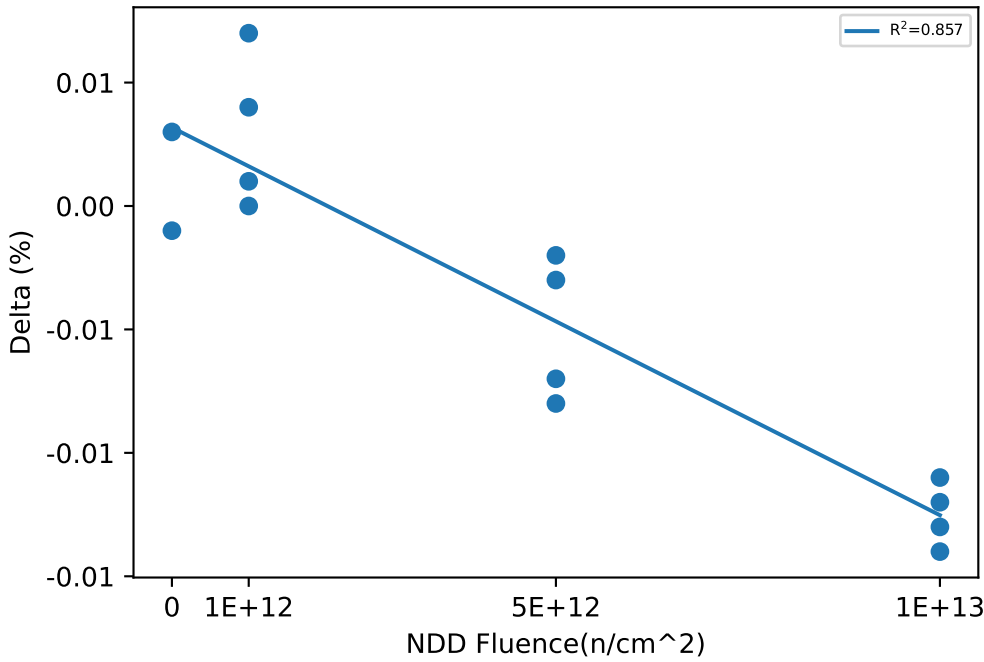
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.564	97.567	0.003
301	0	Correlation	97.619	97.618	-0.001
353	1e+12	NDD Unbiased	97.555	97.562	0.007
354	1e+12	NDD Unbiased	97.561	97.565	0.004
355	1e+12	NDD Unbiased	97.551	97.552	0.001
356	1e+12	NDD Unbiased	97.562	97.562	0
357	5e+12	NDD Unbiased	97.575	97.572	-0.003
358	5e+12	NDD Unbiased	97.517	97.515	-0.002
359	5e+12	NDD Unbiased	97.556	97.549	-0.007
360	5e+12	NDD Unbiased	97.552	97.544	-0.008
361	1e+13	NDD Unbiased	97.558	97.545	-0.013
362	1e+13	NDD Unbiased	97.549	97.535	-0.014
363	1e+13	NDD Unbiased	97.576	97.564	-0.012
364	1e+13	NDD Unbiased	97.565	97.554	-0.011

NDD vs Post - Pre Exposure Delta

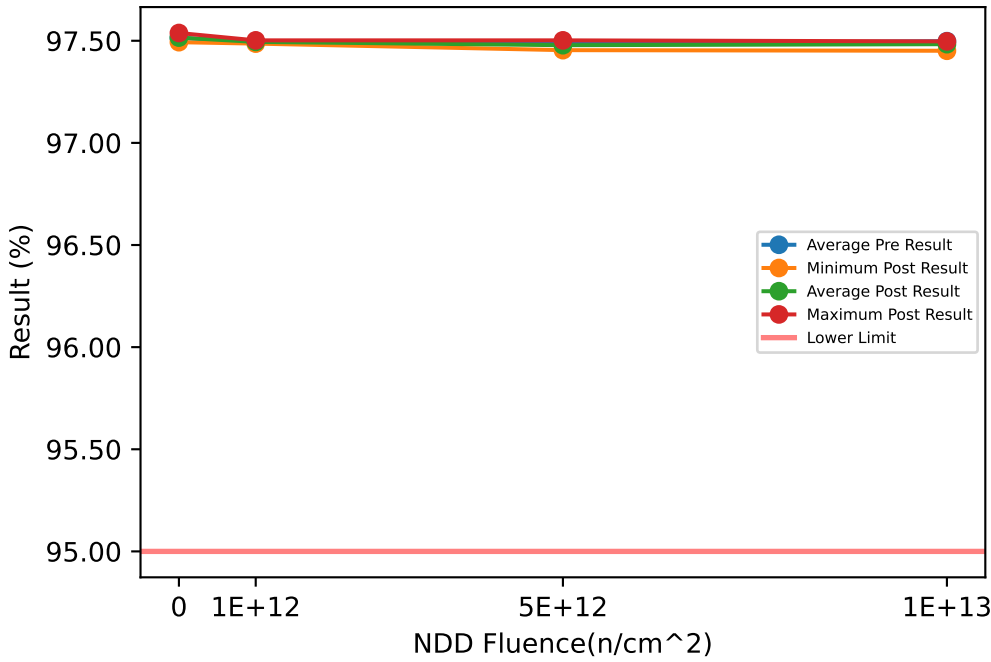


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.564	97.591	97.619	0.038891	97.567	97.593	97.618	0.036062	-0.001	0.001	0.003	0.0028284
1e+12	97.551	97.557	97.562	0.0051881	97.552	97.56	97.565	0.0056789	0	0.003	0.007	0.0031623
5e+12	97.517	97.55	97.575	0.02418	97.515	97.545	97.572	0.023424	-0.008	-0.005	-0.002	0.0029439
1e+13	97.549	97.562	97.576	0.011402	97.535	97.549	97.564	0.012396	-0.014	-0.0125	-0.011	0.001291

Device Test: 6.42 ; VOH_RESET_2MA

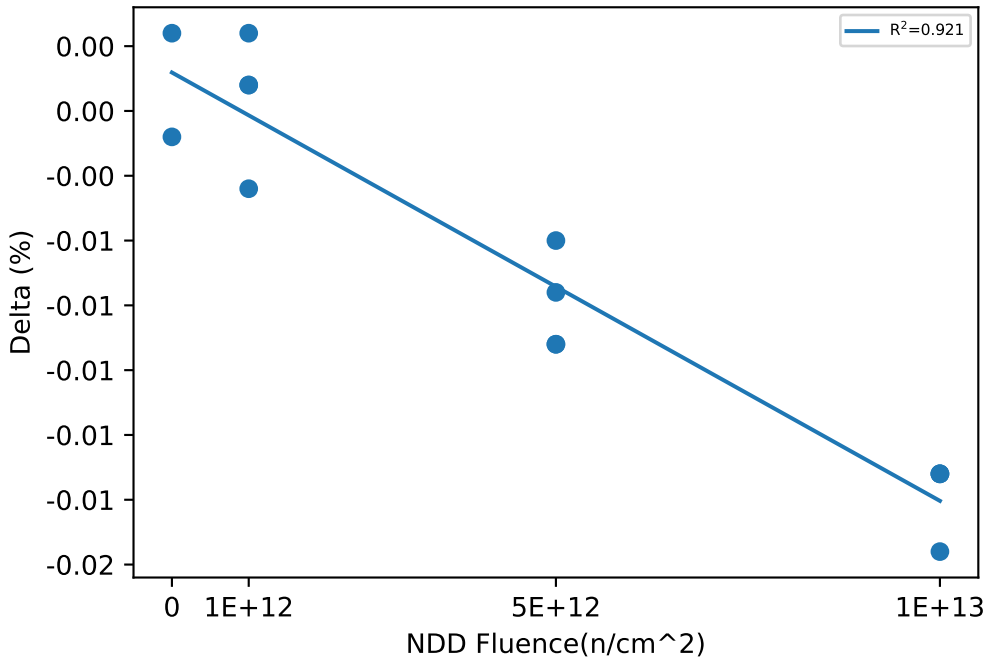
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.49	97.493	0.003
301	0	Correlation	97.539	97.538	-0.001
353	1e+12	NDD Unbiased	97.488	97.491	0.003
354	1e+12	NDD Unbiased	97.498	97.499	0.001
355	1e+12	NDD Unbiased	97.501	97.502	0.001
356	1e+12	NDD Unbiased	97.489	97.486	-0.003
357	5e+12	NDD Unbiased	97.507	97.502	-0.005
358	5e+12	NDD Unbiased	97.461	97.454	-0.007
359	5e+12	NDD Unbiased	97.496	97.487	-0.009
360	5e+12	NDD Unbiased	97.479	97.47	-0.009
361	1e+13	NDD Unbiased	97.502	97.488	-0.014
362	1e+13	NDD Unbiased	97.468	97.451	-0.017
363	1e+13	NDD Unbiased	97.511	97.497	-0.014
364	1e+13	NDD Unbiased	97.511	97.497	-0.014

NDD vs Post - Pre Exposure Delta

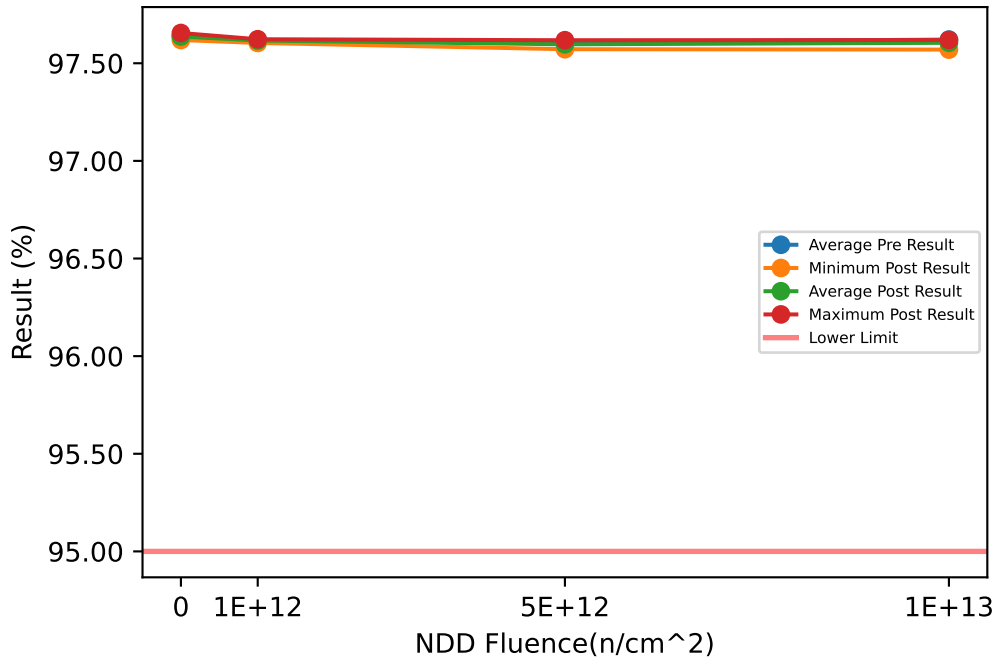


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.49	97.514	97.539	0.034648	97.493	97.516	97.538	0.03182	-0.001	0.001	0.003	0.0028284
1e+12	97.488	97.494	97.501	0.0064807	97.486	97.495	97.502	0.0073258	-0.003	0.0005	0.003	0.0025166
5e+12	97.461	97.486	97.507	0.020123	97.454	97.478	97.502	0.020791	-0.009	-0.0075	-0.005	0.0019149
1e+13	97.468	97.498	97.511	0.020445	97.451	97.483	97.497	0.021915	-0.017	-0.01475	-0.014	0.0015

Device Test: 6.43 ; VOH_RESET_2MA

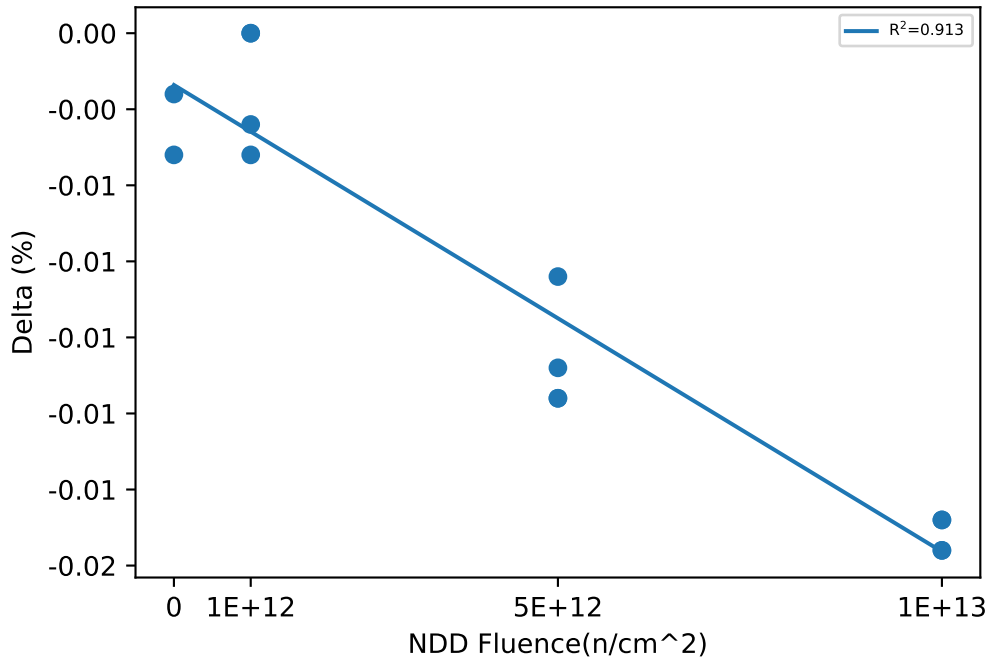
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.621	97.619	-0.002
301	0	Correlation	97.659	97.655	-0.004
353	1e+12	NDD Unbiased	97.619	97.619	0
354	1e+12	NDD Unbiased	97.62	97.62	0
355	1e+12	NDD Unbiased	97.627	97.623	-0.004
356	1e+12	NDD Unbiased	97.607	97.604	-0.003
357	5e+12	NDD Unbiased	97.626	97.618	-0.008
358	5e+12	NDD Unbiased	97.583	97.572	-0.011
359	5e+12	NDD Unbiased	97.614	97.602	-0.012
360	5e+12	NDD Unbiased	97.608	97.596	-0.012
361	1e+13	NDD Unbiased	97.633	97.617	-0.016
362	1e+13	NDD Unbiased	97.587	97.57	-0.017
363	1e+13	NDD Unbiased	97.636	97.619	-0.017
364	1e+13	NDD Unbiased	97.629	97.613	-0.016

NDD vs Post - Pre Exposure Delta

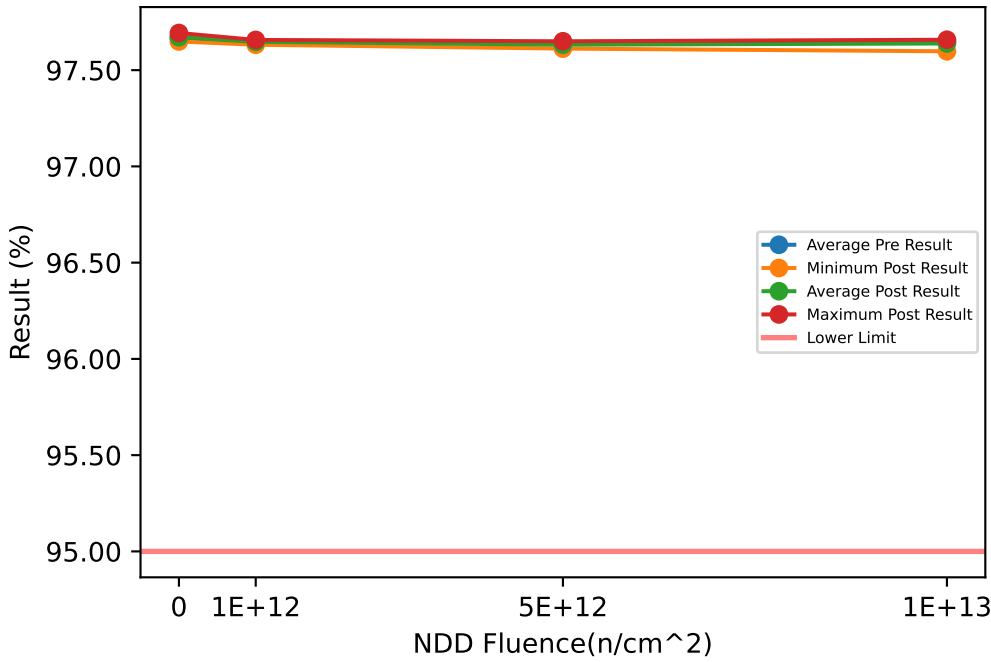


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.621	97.64	97.659	0.02687	97.619	97.637	97.655	0.025456	-0.004	-0.003	-0.002	0.0014142
1e+12	97.607	97.618	97.627	0.0083016	97.604	97.617	97.623	0.0085049	-0.004	-0.00175	0	0.0020616
5e+12	97.583	97.608	97.626	0.018118	97.572	97.597	97.618	0.019079	-0.012	-0.01075	-0.008	0.001893
1e+13	97.587	97.621	97.636	0.023013	97.57	97.605	97.619	0.023301	-0.017	-0.0165	-0.016	0.00057735

Device Test: 6.44 ; VOH_RESET_2MA

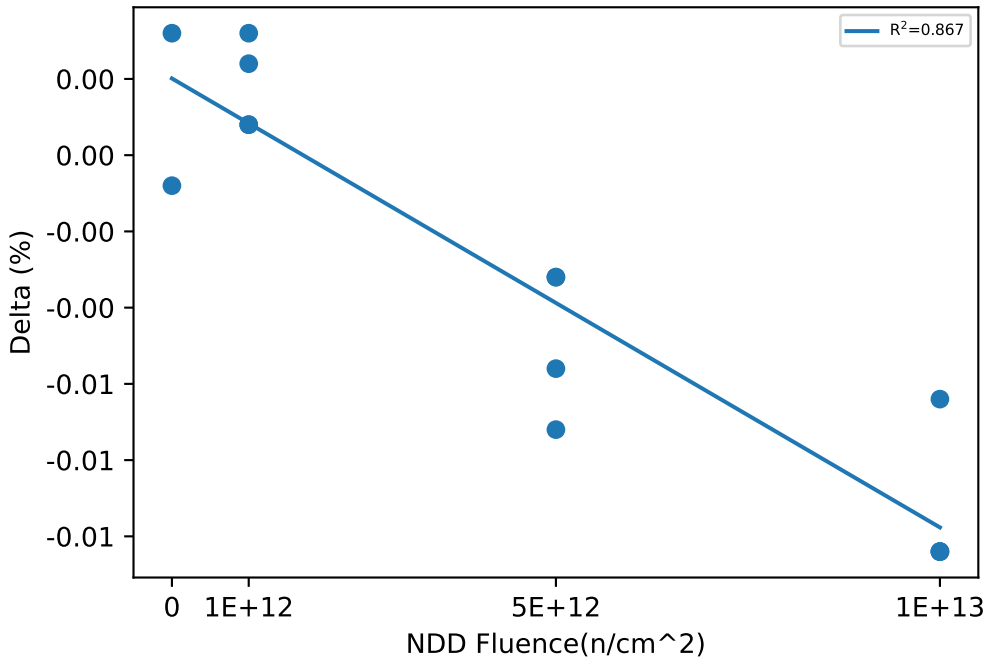
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.645	97.649	0.004
301	0	Correlation	97.694	97.693	-0.001
353	1e+12	NDD Unbiased	97.65	97.654	0.004
354	1e+12	NDD Unbiased	97.642	97.645	0.003
355	1e+12	NDD Unbiased	97.656	97.657	0.001
356	1e+12	NDD Unbiased	97.631	97.632	0.001
357	5e+12	NDD Unbiased	97.654	97.65	-0.004
358	5e+12	NDD Unbiased	97.616	97.612	-0.004
359	5e+12	NDD Unbiased	97.644	97.637	-0.007
360	5e+12	NDD Unbiased	97.639	97.63	-0.009
361	1e+13	NDD Unbiased	97.666	97.653	-0.013
362	1e+13	NDD Unbiased	97.611	97.598	-0.013
363	1e+13	NDD Unbiased	97.671	97.658	-0.013
364	1e+13	NDD Unbiased	97.653	97.645	-0.008

NDD vs Post - Pre Exposure Delta

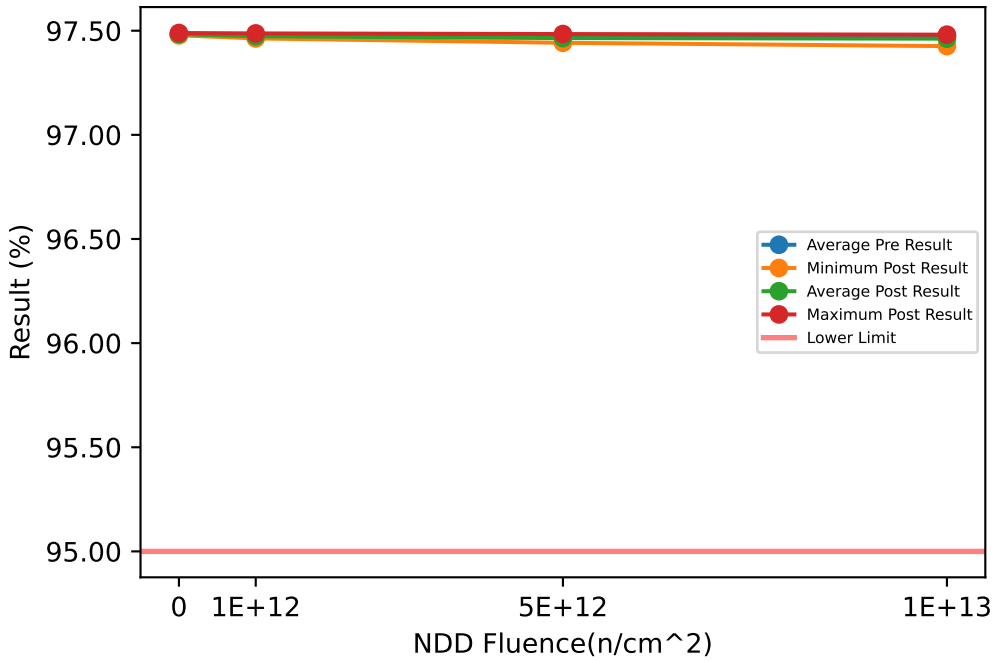


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.645	97.669	97.694	0.034648	97.649	97.671	97.693	0.031113	-0.001	0.0015	0.004	0.0035355
1e+12	97.631	97.645	97.656	0.010813	97.632	97.647	97.657	0.011225	0.001	0.00225	0.004	0.0015
5e+12	97.616	97.638	97.654	0.016091	97.612	97.632	97.65	0.01584	-0.009	-0.006	-0.004	0.0024495
1e+13	97.611	97.65	97.671	0.027244	97.598	97.638	97.658	0.027526	-0.013	-0.01175	-0.008	0.0025

Device Test: 6.45 ; VOH_WDO_2MA

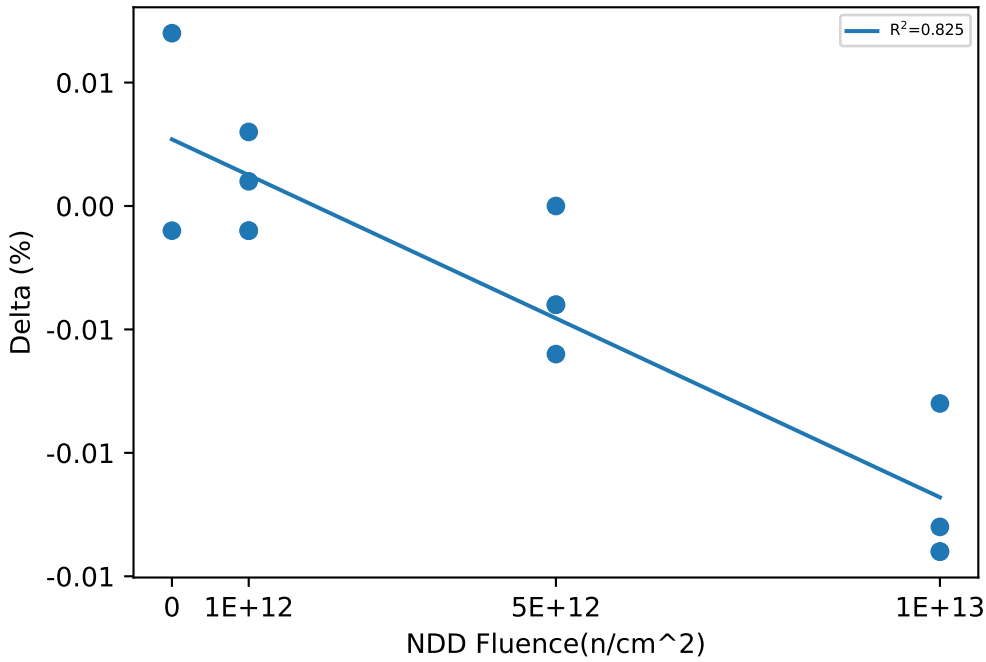
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.471	97.478	0.007
301	0	Correlation	97.49	97.489	-0.001
353	1e+12	NDD Unbiased	97.486	97.487	0.001
354	1e+12	NDD Unbiased	97.479	97.478	-0.001
355	1e+12	NDD Unbiased	97.467	97.466	-0.001
356	1e+12	NDD Unbiased	97.46	97.463	0.003
357	5e+12	NDD Unbiased	97.488	97.484	-0.004
358	5e+12	NDD Unbiased	97.442	97.442	0
359	5e+12	NDD Unbiased	97.485	97.481	-0.004
360	5e+12	NDD Unbiased	97.457	97.451	-0.006
361	1e+13	NDD Unbiased	97.484	97.476	-0.008
362	1e+13	NDD Unbiased	97.439	97.426	-0.013
363	1e+13	NDD Unbiased	97.495	97.481	-0.014
364	1e+13	NDD Unbiased	97.478	97.464	-0.014

NDD vs Post - Pre Exposure Delta

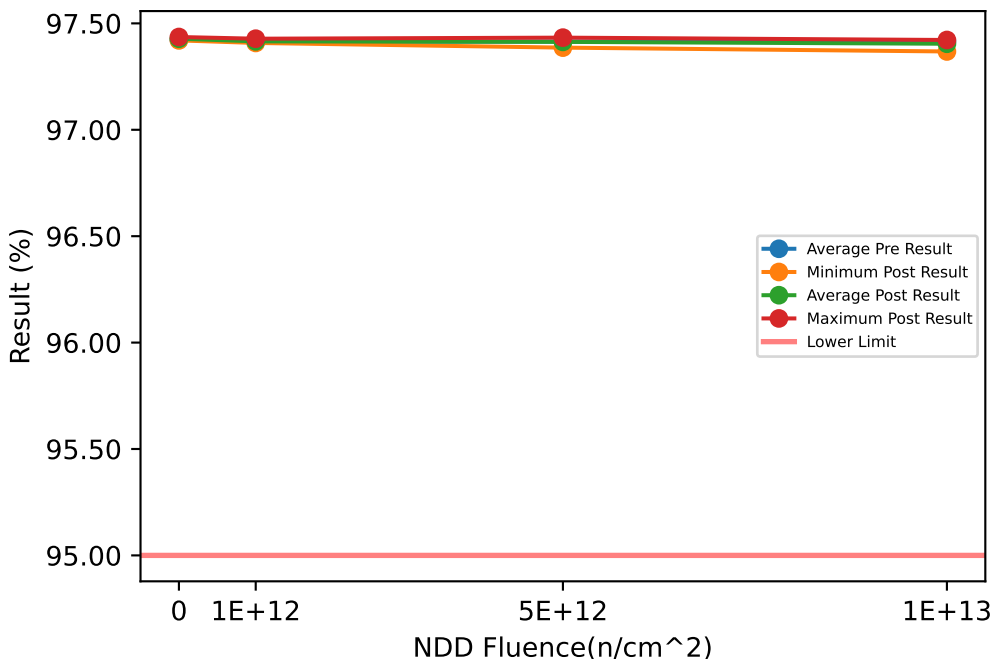


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.471	97.481	97.49	0.013435	97.478	97.483	97.489	0.0077782	-0.001	0.003	0.007	0.0056569
1e+12	97.46	97.473	97.486	0.01169	97.463	97.474	97.487	0.011091	-0.001	0.0005	0.003	0.0019149
5e+12	97.442	97.468	97.488	0.022256	97.442	97.464	97.484	0.021142	-0.006	-0.0035	0	0.0025166
1e+13	97.439	97.474	97.495	0.024372	97.426	97.462	97.481	0.024878	-0.014	-0.01225	-0.008	0.0028723

Device Test: 6.46 ; VOH_PWRGD_2MA

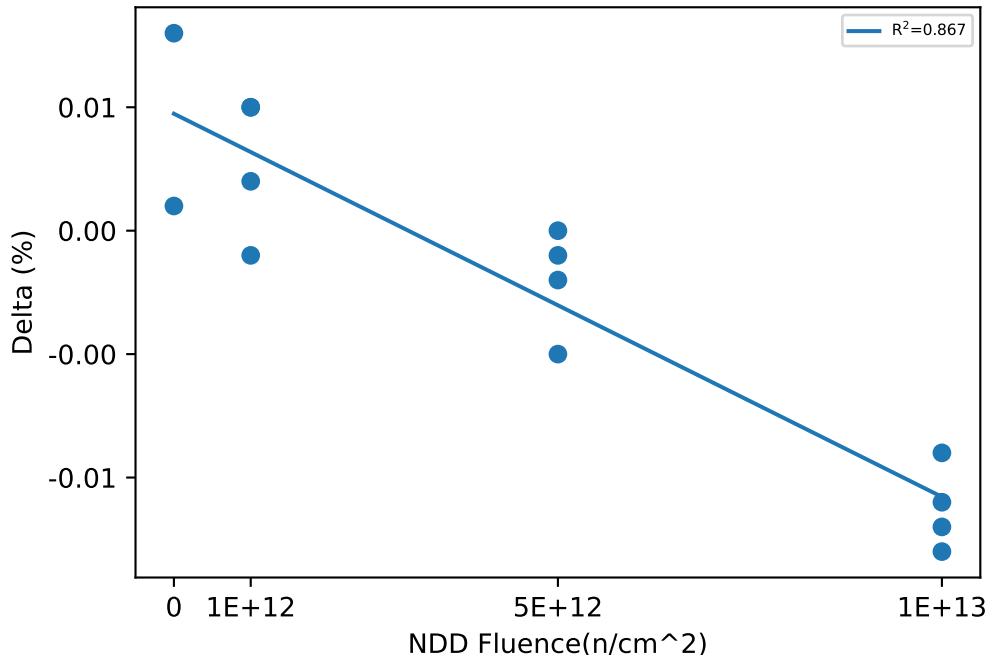
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.412	97.42	0.008
301	0	Correlation	97.435	97.436	0.001
353	1e+12	NDD Unbiased	97.423	97.428	0.005
354	1e+12	NDD Unbiased	97.416	97.415	-0.001
355	1e+12	NDD Unbiased	97.409	97.411	0.002
356	1e+12	NDD Unbiased	97.403	97.408	0.005
357	5e+12	NDD Unbiased	97.435	97.433	-0.002
358	5e+12	NDD Unbiased	97.386	97.386	0
359	5e+12	NDD Unbiased	97.433	97.432	-0.001
360	5e+12	NDD Unbiased	97.406	97.401	-0.005
361	1e+13	NDD Unbiased	97.426	97.417	-0.009
362	1e+13	NDD Unbiased	97.38	97.368	-0.012
363	1e+13	NDD Unbiased	97.435	97.422	-0.013
364	1e+13	NDD Unbiased	97.421	97.41	-0.011

NDD vs Post - Pre Exposure Delta

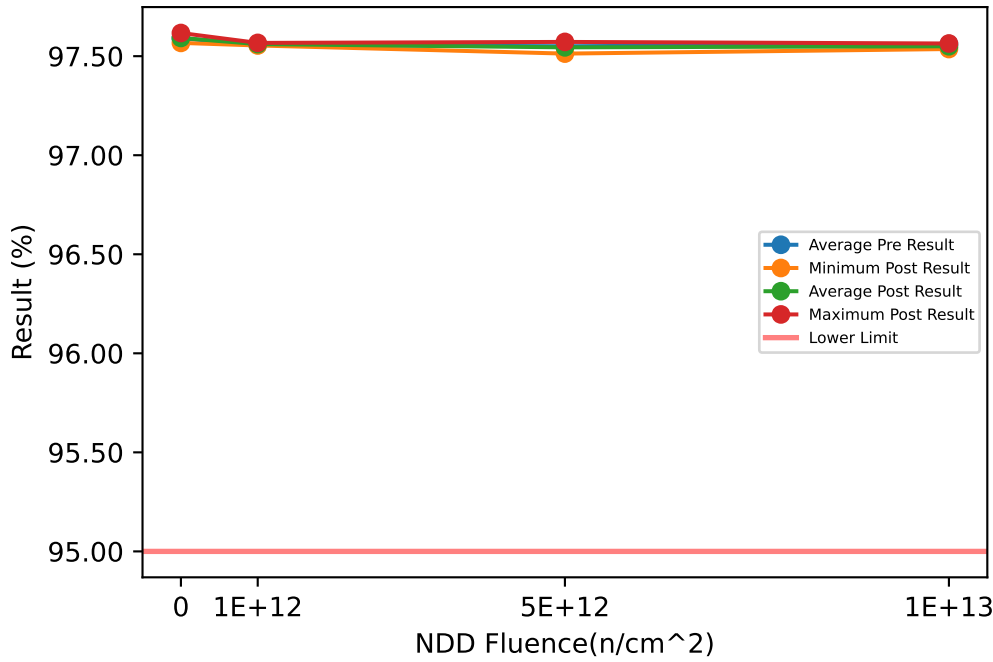


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.412	97.424	97.435	0.016263	97.42	97.428	97.436	0.011314	0.001	0.0045	0.008	0.0049497
1e+12	97.403	97.413	97.423	0.0086554	97.408	97.416	97.428	0.0088129	-0.001	0.00275	0.005	0.0028723
5e+12	97.386	97.415	97.435	0.023424	97.386	97.413	97.433	0.023338	-0.005	-0.002	0	0.0021602
1e+13	97.38	97.416	97.435	0.024365	97.368	97.404	97.422	0.024663	-0.013	-0.01125	-0.009	0.0017078

Device Test: 6.47 ; VOH_RESET_2MA

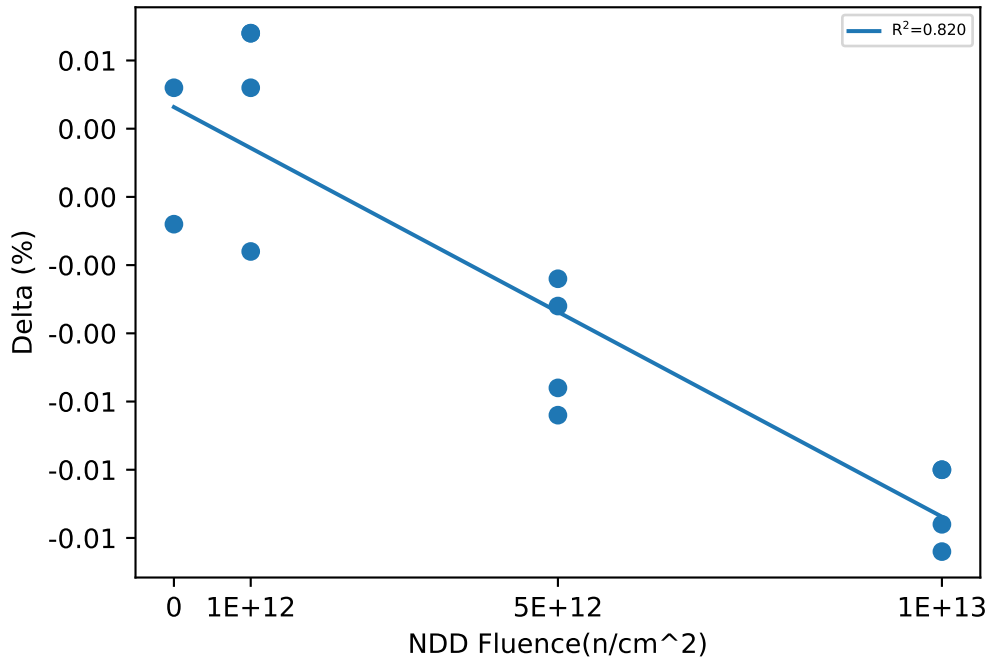
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.563	97.567	0.004
301	0	Correlation	97.618	97.617	-0.001
353	1e+12	NDD Unbiased	97.556	97.562	0.006
354	1e+12	NDD Unbiased	97.561	97.567	0.006
355	1e+12	NDD Unbiased	97.55	97.554	0.004
356	1e+12	NDD Unbiased	97.563	97.561	-0.002
357	5e+12	NDD Unbiased	97.575	97.572	-0.003
358	5e+12	NDD Unbiased	97.517	97.513	-0.004
359	5e+12	NDD Unbiased	97.556	97.548	-0.008
360	5e+12	NDD Unbiased	97.552	97.545	-0.007
361	1e+13	NDD Unbiased	97.559	97.546	-0.013
362	1e+13	NDD Unbiased	97.548	97.536	-0.012
363	1e+13	NDD Unbiased	97.574	97.564	-0.01
364	1e+13	NDD Unbiased	97.564	97.554	-0.01

NDD vs Post - Pre Exposure Delta

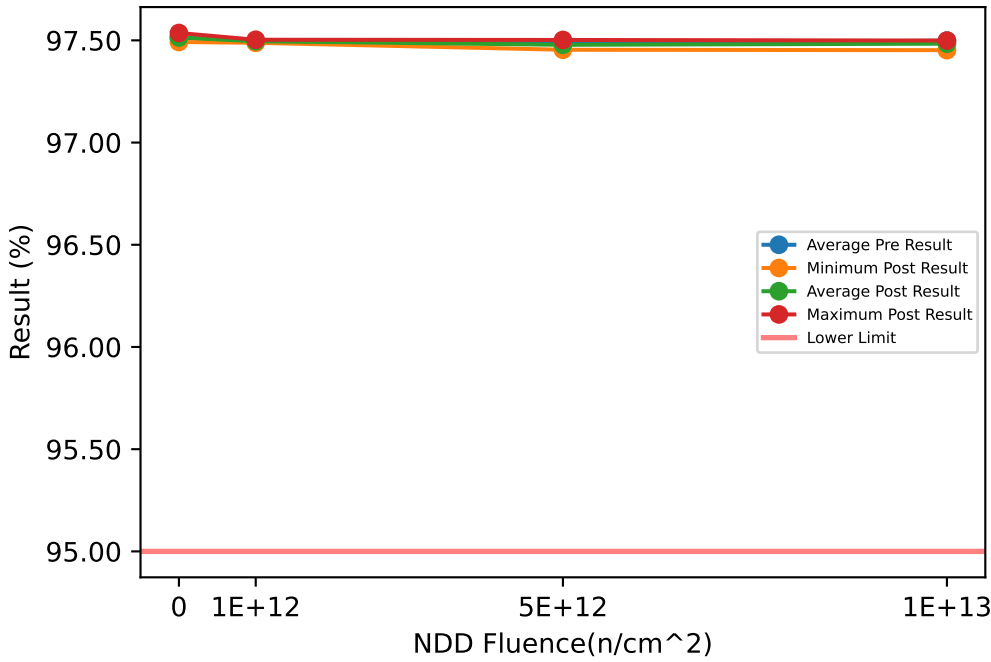


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.563	97.59	97.618	0.038891	97.567	97.592	97.617	0.035355	-0.001	0.0015	0.004	0.0035355
1e+12	97.55	97.558	97.563	0.0058023	97.554	97.561	97.567	0.0053541	-0.002	0.0035	0.006	0.0037859
5e+12	97.517	97.55	97.575	0.02418	97.513	97.544	97.572	0.024228	-0.008	-0.0055	-0.003	0.0023805
1e+13	97.548	97.561	97.574	0.010813	97.536	97.55	97.564	0.011888	-0.013	-0.01125	-0.01	0.0015

Device Test: 6.48 ; VOH_RESET_2MA

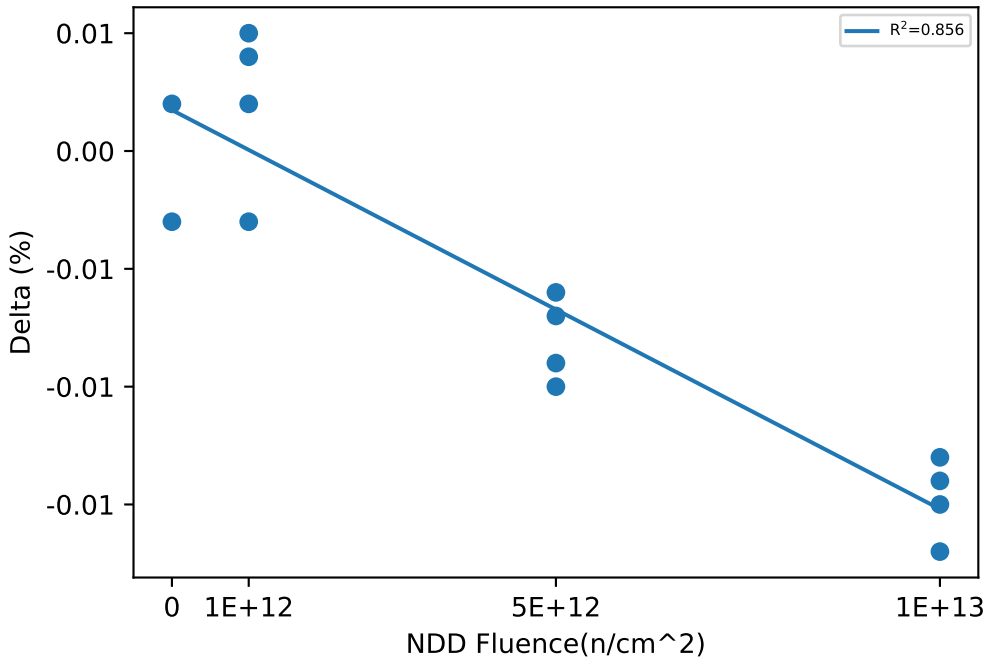
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.49	97.492	0.002
301	0	Correlation	97.539	97.536	-0.003
353	1e+12	NDD Unbiased	97.487	97.491	0.004
354	1e+12	NDD Unbiased	97.496	97.501	0.005
355	1e+12	NDD Unbiased	97.501	97.503	0.002
356	1e+12	NDD Unbiased	97.491	97.488	-0.003
357	5e+12	NDD Unbiased	97.508	97.502	-0.006
358	5e+12	NDD Unbiased	97.461	97.454	-0.007
359	5e+12	NDD Unbiased	97.496	97.487	-0.009
360	5e+12	NDD Unbiased	97.48	97.47	-0.01
361	1e+13	NDD Unbiased	97.504	97.487	-0.017
362	1e+13	NDD Unbiased	97.466	97.452	-0.014
363	1e+13	NDD Unbiased	97.512	97.497	-0.015
364	1e+13	NDD Unbiased	97.512	97.499	-0.013

NDD vs Post - Pre Exposure Delta

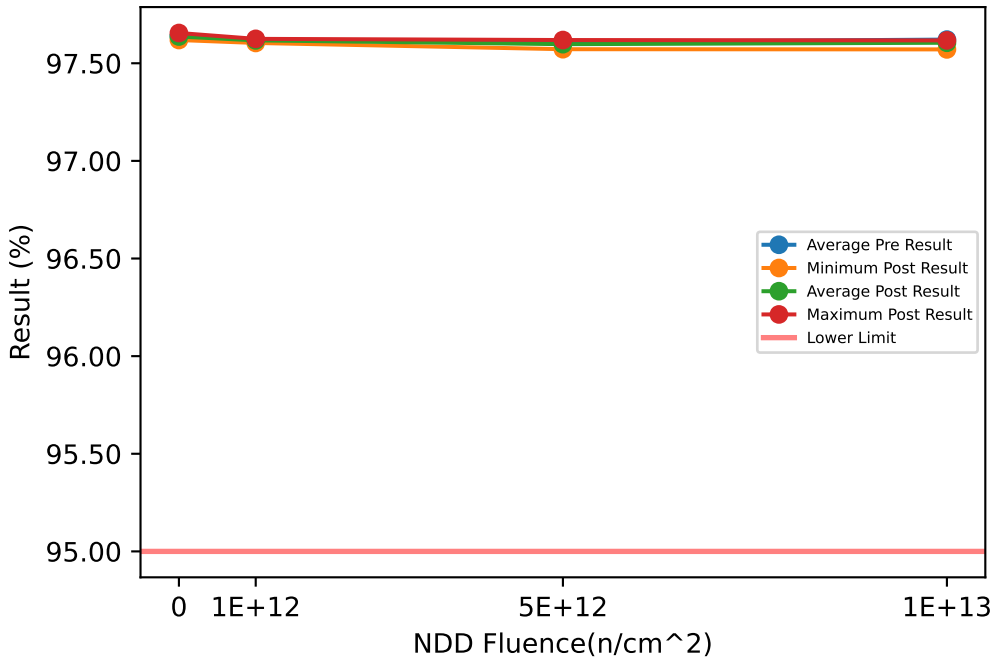


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.49	97.514	97.539	0.034648	97.492	97.514	97.536	0.031113	-0.003	-0.0005	0.002	0.0035355
1e+12	97.487	97.494	97.501	0.0060759	97.488	97.496	97.503	0.0073655	-0.003	0.002	0.005	0.003559
5e+12	97.461	97.486	97.508	0.02037	97.454	97.478	97.502	0.020791	-0.01	-0.008	-0.006	0.0018257
1e+13	97.466	97.499	97.512	0.021992	97.452	97.484	97.499	0.021808	-0.017	-0.01475	-0.013	0.0017078

Device Test: 6.49 ; VOH_RESET_2MA

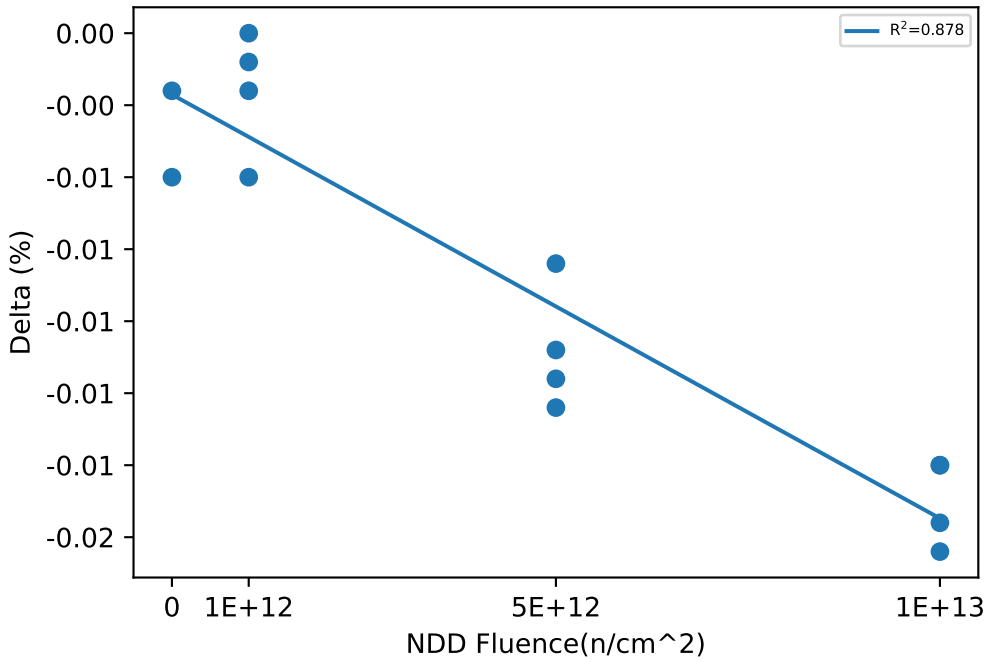
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.621	97.619	-0.002
301	0	Correlation	97.66	97.655	-0.005
353	1e+12	NDD Unbiased	97.621	97.62	-0.001
354	1e+12	NDD Unbiased	97.62	97.62	0
355	1e+12	NDD Unbiased	97.627	97.625	-0.002
356	1e+12	NDD Unbiased	97.609	97.604	-0.005
357	5e+12	NDD Unbiased	97.627	97.619	-0.008
358	5e+12	NDD Unbiased	97.583	97.572	-0.011
359	5e+12	NDD Unbiased	97.616	97.603	-0.013
360	5e+12	NDD Unbiased	97.609	97.597	-0.012
361	1e+13	NDD Unbiased	97.634	97.617	-0.017
362	1e+13	NDD Unbiased	97.586	97.571	-0.015
363	1e+13	NDD Unbiased	97.635	97.617	-0.018
364	1e+13	NDD Unbiased	97.63	97.615	-0.015

NDD vs Post - Pre Exposure Delta

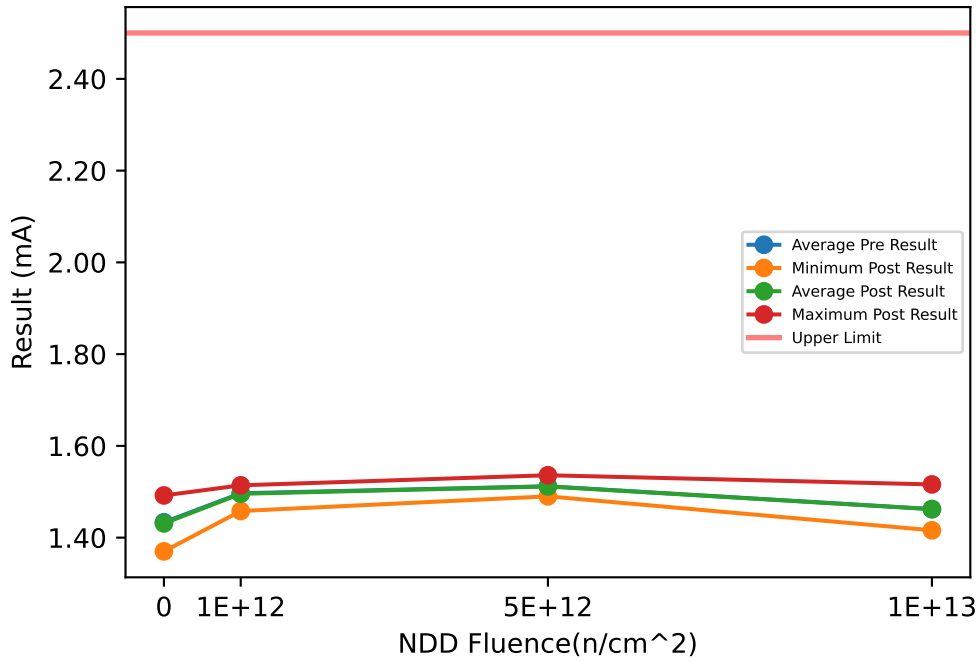


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.621	97.641	97.66	0.027577	97.619	97.637	97.655	0.025456	-0.005	-0.0035	-0.002	0.0021213
1e+12	97.609	97.619	97.627	0.0075	97.604	97.617	97.625	0.0091424	-0.005	-0.002	0	0.0021602
5e+12	97.583	97.609	97.627	0.018697	97.572	97.598	97.619	0.019517	-0.013	-0.011	-0.008	0.0021602
1e+13	97.586	97.621	97.635	0.023599	97.571	97.605	97.617	0.022686	-0.018	-0.01625	-0.015	0.0015

Device Test: 6.5 ; IQ

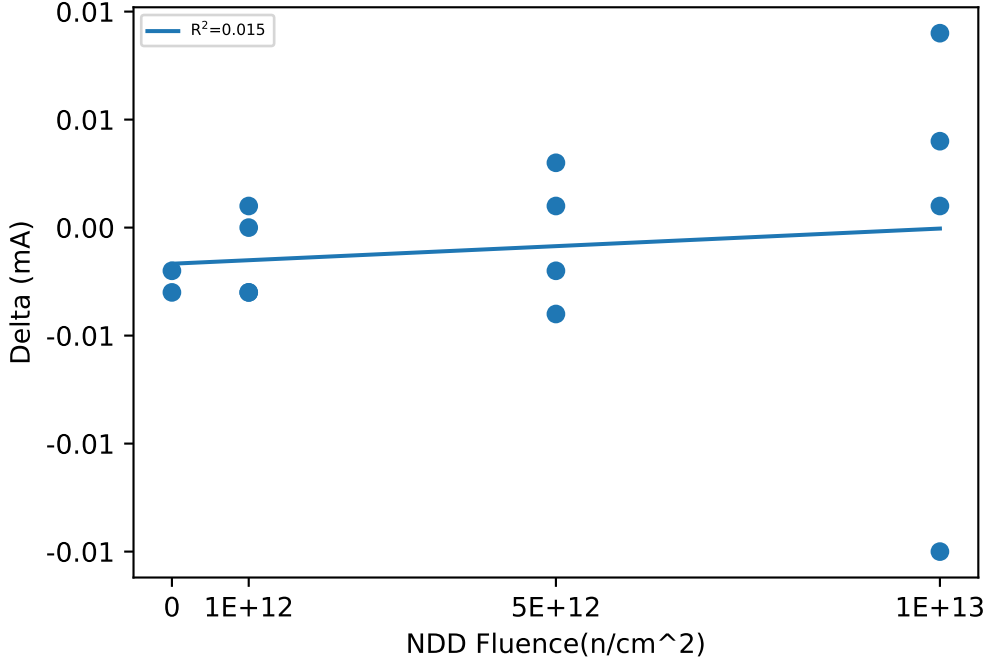
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.495	1.492	-0.003
301	0	Correlation	1.372	1.37	-0.002
353	1e+12	NDD Unbiased	1.461	1.458	-0.003
354	1e+12	NDD Unbiased	1.498	1.499	0.001
355	1e+12	NDD Unbiased	1.514	1.514	0
356	1e+12	NDD Unbiased	1.514	1.511	-0.003
357	5e+12	NDD Unbiased	1.531	1.529	-0.002
358	5e+12	NDD Unbiased	1.535	1.536	0.001
359	5e+12	NDD Unbiased	1.494	1.49	-0.004
360	5e+12	NDD Unbiased	1.488	1.491	0.003
361	1e+13	NDD Unbiased	1.415	1.416	0.001
362	1e+13	NDD Unbiased	1.491	1.476	-0.015
363	1e+13	NDD Unbiased	1.507	1.516	0.009
364	1e+13	NDD Unbiased	1.436	1.44	0.004

NDD vs Post - Pre Exposure Delta

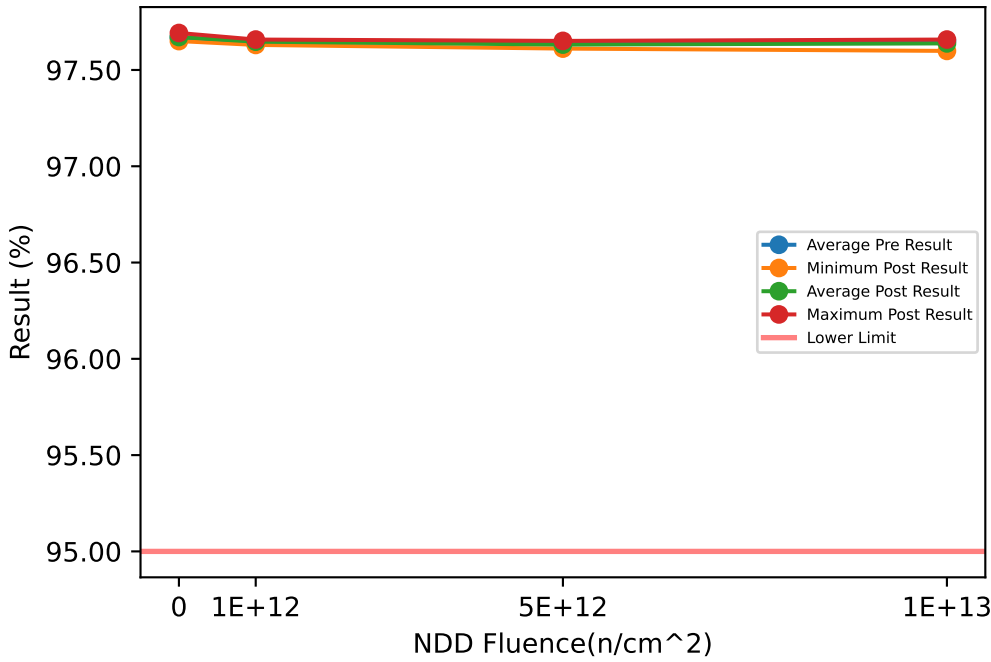


Test Statistics (mA)

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	1.372	1.4335	1.495	0.086974	1.37	1.431	1.492	0.086267	-0.003	-0.0025	-0.002	0.00070711
1e+12	1.461	1.4968	1.514	0.024998	1.458	1.4955	1.514	0.025826	-0.003	-0.00125	0.001	0.0020616
5e+12	1.488	1.512	1.535	0.024427	1.49	1.5115	1.536	0.02442	-0.004	-0.0005	0.003	0.0031091
1e+13	1.415	1.4623	1.507	0.043783	1.416	1.462	1.516	0.043635	-0.015	-0.00025	0.009	0.010372

Device Test: 6.50 ; VOH_RESET_2MA

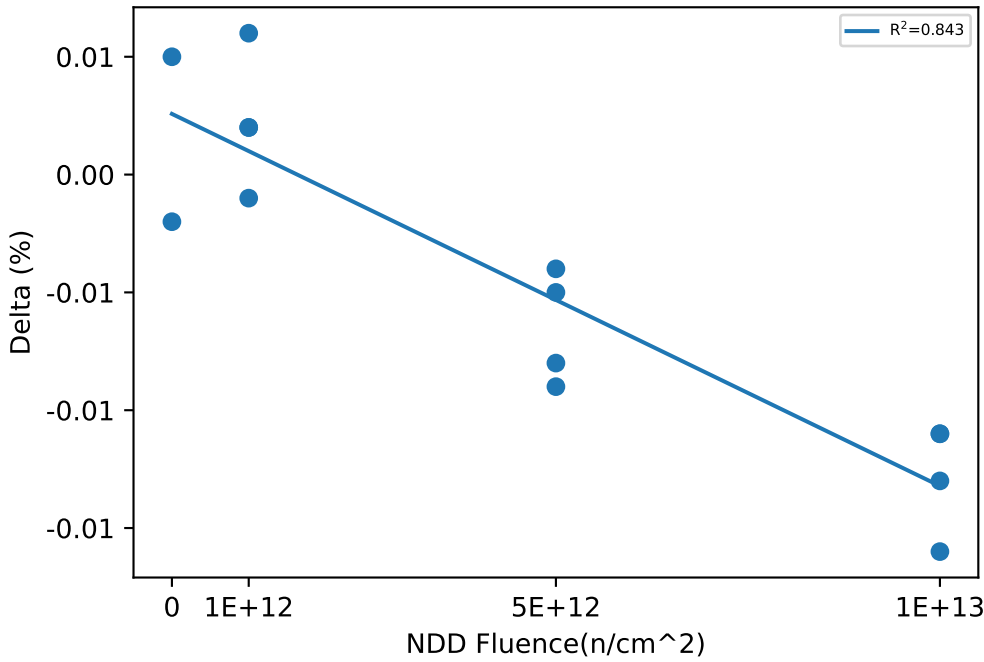
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.645	97.65	0.005
301	0	Correlation	97.694	97.692	-0.002
353	1e+12	NDD Unbiased	97.652	97.654	0.002
354	1e+12	NDD Unbiased	97.64	97.646	0.006
355	1e+12	NDD Unbiased	97.656	97.658	0.002
356	1e+12	NDD Unbiased	97.631	97.63	-0.001
357	5e+12	NDD Unbiased	97.655	97.651	-0.004
358	5e+12	NDD Unbiased	97.616	97.611	-0.005
359	5e+12	NDD Unbiased	97.644	97.636	-0.008
360	5e+12	NDD Unbiased	97.638	97.629	-0.009
361	1e+13	NDD Unbiased	97.667	97.651	-0.016
362	1e+13	NDD Unbiased	97.61	97.599	-0.011
363	1e+13	NDD Unbiased	97.671	97.658	-0.013
364	1e+13	NDD Unbiased	97.655	97.644	-0.011

NDD vs Post - Pre Exposure Delta

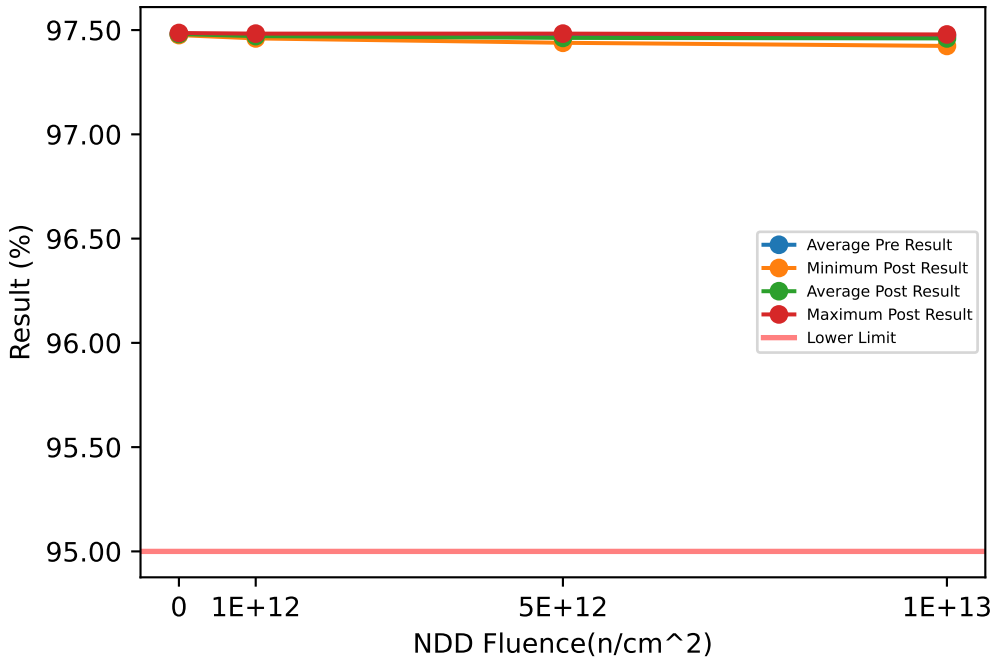


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.645	97.669	97.694	0.034648	97.65	97.671	97.692	0.029698	-0.002	0.0015	0.005	0.0049497
1e+12	97.631	97.645	97.656	0.011413	97.63	97.647	97.658	0.012383	-0.001	0.00225	0.006	0.0028723
5e+12	97.616	97.638	97.655	0.016419	97.611	97.632	97.651	0.016601	-0.009	-0.0065	-0.004	0.0023805
1e+13	97.61	97.651	97.671	0.028004	97.599	97.638	97.658	0.026621	-0.016	-0.01275	-0.011	0.0023629

Device Test: 6.51 ; VOH_WDO_2MA

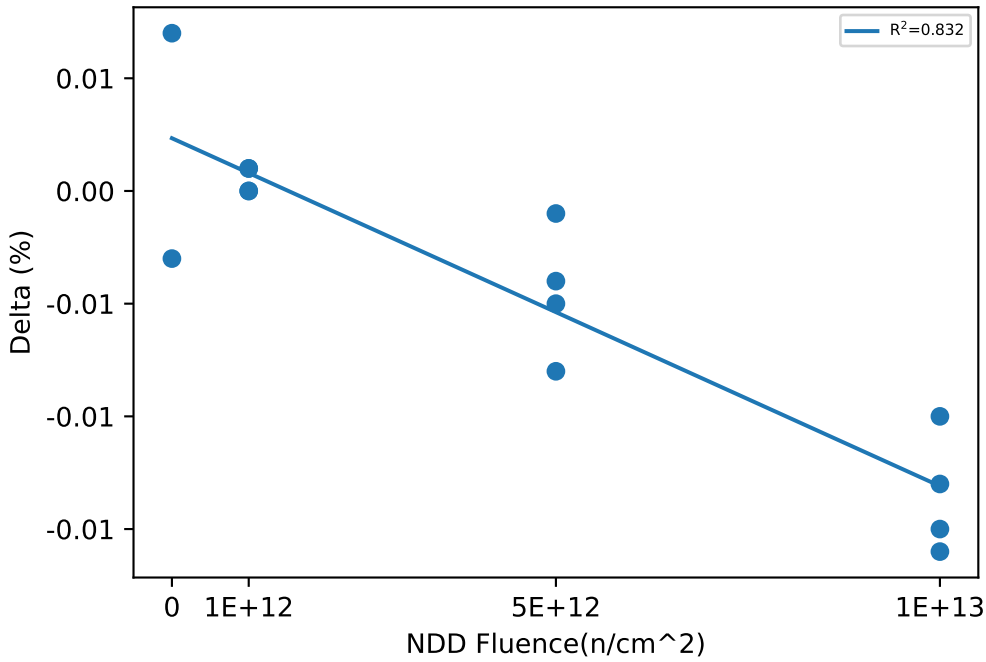
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.469	97.476	0.007
301	0	Correlation	97.489	97.486	-0.003
353	1e+12	NDD Unbiased	97.482	97.483	0.001
354	1e+12	NDD Unbiased	97.477	97.477	0
355	1e+12	NDD Unbiased	97.464	97.464	0
356	1e+12	NDD Unbiased	97.459	97.46	0.001
357	5e+12	NDD Unbiased	97.488	97.483	-0.005
358	5e+12	NDD Unbiased	97.44	97.439	-0.001
359	5e+12	NDD Unbiased	97.485	97.477	-0.008
360	5e+12	NDD Unbiased	97.455	97.451	-0.004
361	1e+13	NDD Unbiased	97.486	97.476	-0.01
362	1e+13	NDD Unbiased	97.437	97.424	-0.013
363	1e+13	NDD Unbiased	97.495	97.479	-0.016
364	1e+13	NDD Unbiased	97.476	97.461	-0.015

NDD vs Post - Pre Exposure Delta

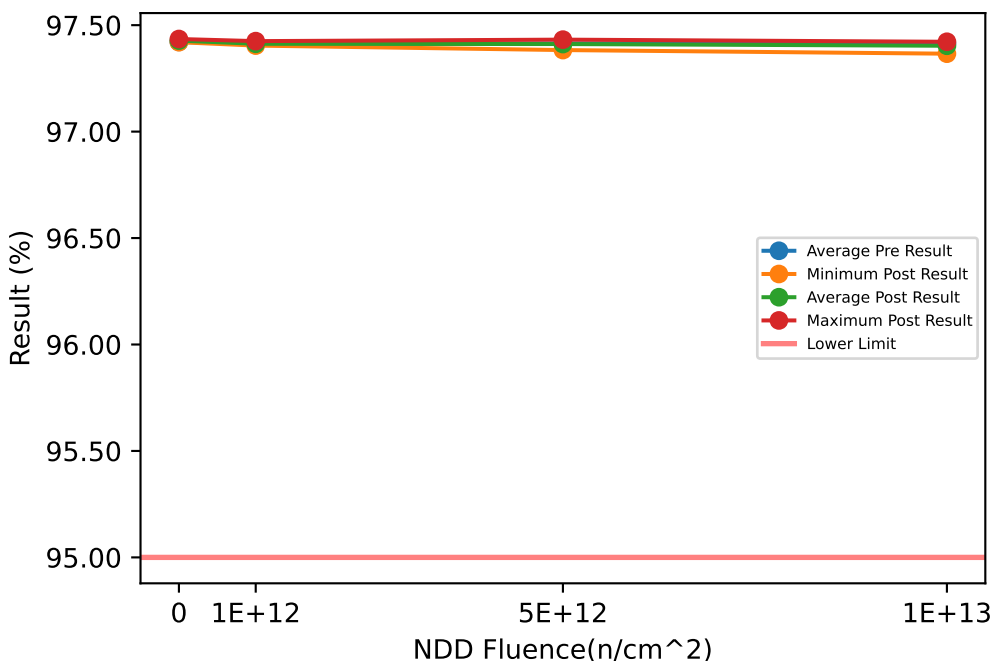


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.469	97.479	97.489	0.014142	97.476	97.481	97.486	0.0070711	-0.003	0.002	0.007	0.0070711
1e+12	97.459	97.471	97.482	0.010786	97.46	97.471	97.483	0.010801	0	0.0005	0.001	0.00057735
5e+12	97.44	97.467	97.488	0.023367	97.439	97.463	97.483	0.020936	-0.008	-0.0045	-0.001	0.0028868
1e+13	97.437	97.474	97.495	0.025541	97.424	97.46	97.479	0.025259	-0.016	-0.0135	-0.01	0.0026458

Device Test: 6.52 ; VOH_PWRGD_2MA

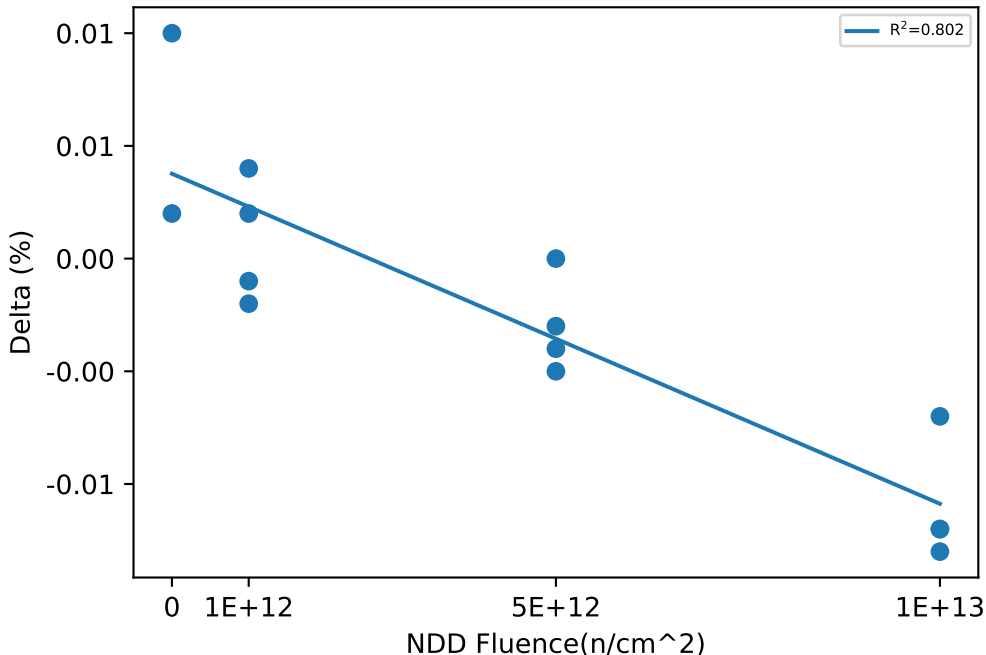
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	97.41	97.42	0.01
301	0	Correlation	97.433	97.435	0.002
353	1e+12	NDD Unbiased	97.421	97.425	0.004
354	1e+12	NDD Unbiased	97.415	97.413	-0.002
355	1e+12	NDD Unbiased	97.409	97.408	-0.001
356	1e+12	NDD Unbiased	97.402	97.404	0.002
357	5e+12	NDD Unbiased	97.436	97.432	-0.004
358	5e+12	NDD Unbiased	97.383	97.383	0
359	5e+12	NDD Unbiased	97.433	97.428	-0.005
360	5e+12	NDD Unbiased	97.405	97.402	-0.003
361	1e+13	NDD Unbiased	97.425	97.418	-0.007
362	1e+13	NDD Unbiased	97.378	97.366	-0.012
363	1e+13	NDD Unbiased	97.435	97.422	-0.013
364	1e+13	NDD Unbiased	97.419	97.407	-0.012

NDD vs Post - Pre Exposure Delta

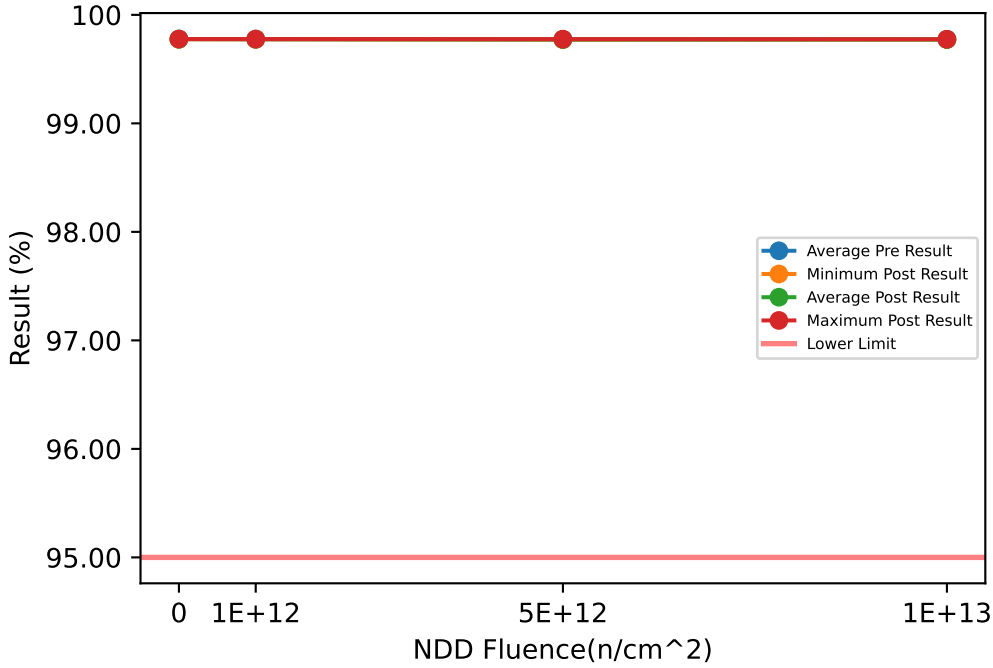


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	97.41	97.422	97.433	0.016263	97.42	97.428	97.435	0.010607	0.002	0.006	0.01	0.0056569
1e+12	97.402	97.412	97.421	0.0081394	97.404	97.412	97.425	0.0091104	-0.002	0.00075	0.004	0.0027538
5e+12	97.383	97.414	97.436	0.025078	97.383	97.411	97.432	0.023056	-0.005	-0.003	0	0.0021602
1e+13	97.378	97.414	97.435	0.025052	97.366	97.403	97.422	0.02563	-0.013	-0.011	-0.007	0.002708

Device Test: 6.53 ; VOH_RESET_2MA

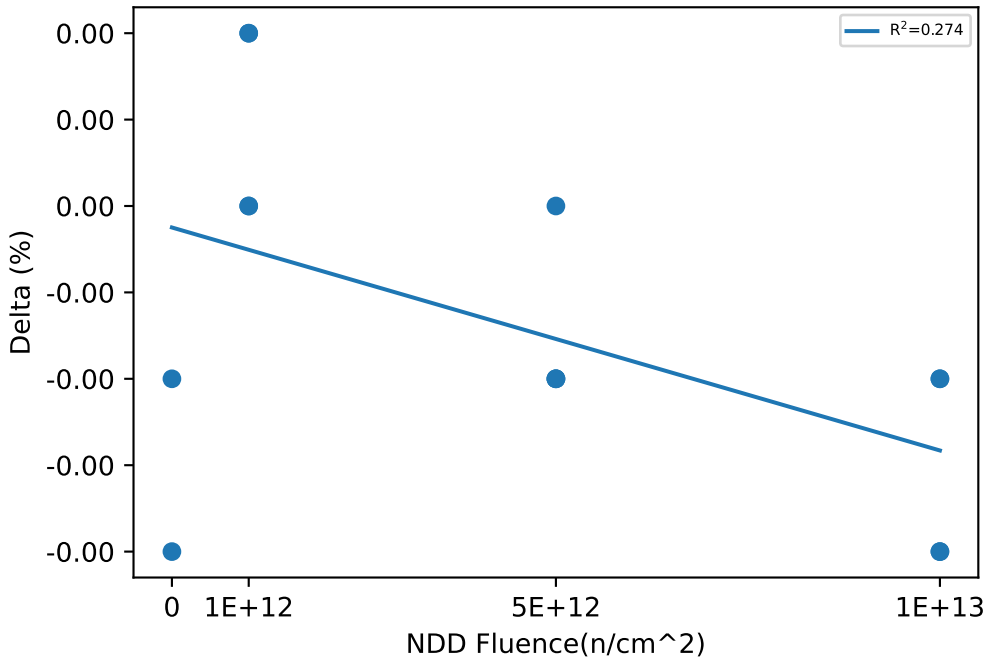
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.776	99.775	-0.001
301	0	Correlation	99.779	99.777	-0.002
353	1e+12	NDD Unbiased	99.776	99.777	0.001
354	1e+12	NDD Unbiased	99.777	99.777	0
355	1e+12	NDD Unbiased	99.776	99.777	0.001
356	1e+12	NDD Unbiased	99.774	99.774	0
357	5e+12	NDD Unbiased	99.776	99.776	0
358	5e+12	NDD Unbiased	99.773	99.772	-0.001
359	5e+12	NDD Unbiased	99.773	99.772	-0.001
360	5e+12	NDD Unbiased	99.774	99.773	-0.001
361	1e+13	NDD Unbiased	99.774	99.773	-0.001
362	1e+13	NDD Unbiased	99.775	99.773	-0.002
363	1e+13	NDD Unbiased	99.775	99.773	-0.002
364	1e+13	NDD Unbiased	99.776	99.775	-0.001

NDD vs Post - Pre Exposure Delta

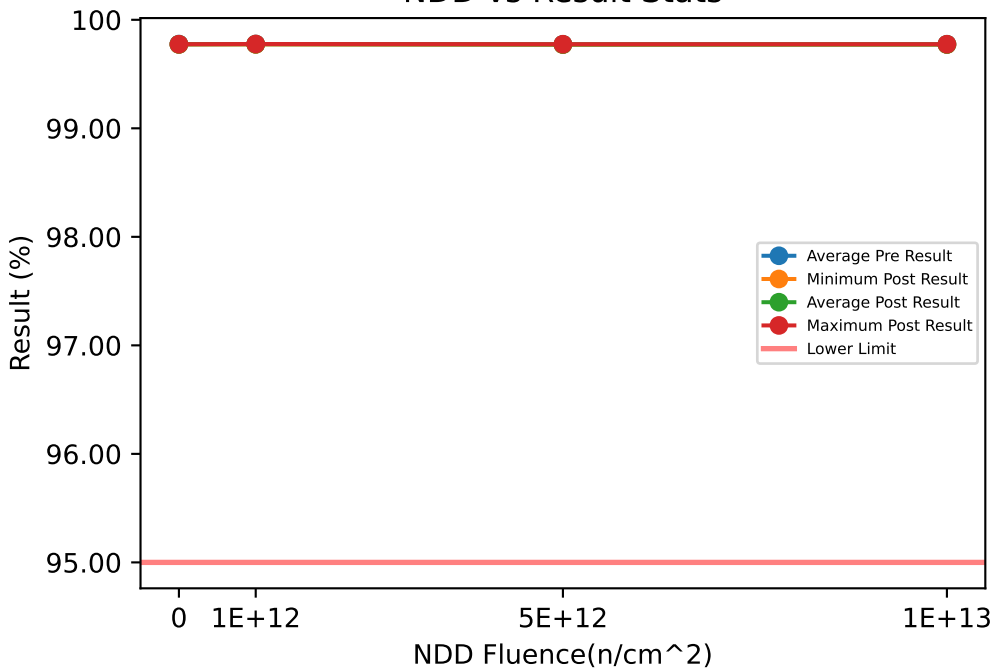


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.776	99.778	99.779	0.0021213	99.775	99.776	99.777	0.0014142	-0.002	-0.0015	-0.001	0.00070711
1e+12	99.774	99.776	99.777	0.0012583	99.774	99.776	99.777	0.0015	0	0.0005	0.001	0.00057735
5e+12	99.773	99.774	99.776	0.0014142	99.772	99.773	99.776	0.001893	-0.001	-0.00075	0	0.0005
1e+13	99.774	99.775	99.776	0.0008165	99.773	99.773	99.775	0.001	-0.002	-0.0015	-0.001	0.00057735

Device Test: 6.54 ; VOH_RESET_2MA

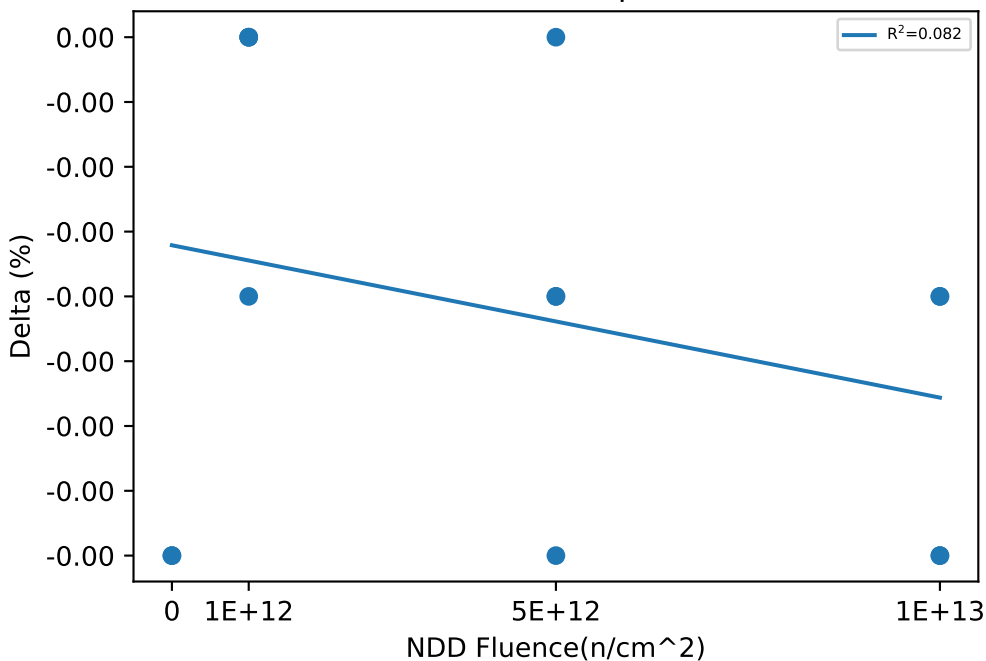
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.775	99.773	-0.002
301	0	Correlation	99.777	99.775	-0.002
353	1e+12	NDD Unbiased	99.777	99.776	-0.001
354	1e+12	NDD Unbiased	99.777	99.777	0
355	1e+12	NDD Unbiased	99.776	99.776	0
356	1e+12	NDD Unbiased	99.773	99.773	0
357	5e+12	NDD Unbiased	99.775	99.775	0
358	5e+12	NDD Unbiased	99.773	99.772	-0.001
359	5e+12	NDD Unbiased	99.773	99.772	-0.001
360	5e+12	NDD Unbiased	99.773	99.771	-0.002
361	1e+13	NDD Unbiased	99.773	99.772	-0.001
362	1e+13	NDD Unbiased	99.774	99.772	-0.002
363	1e+13	NDD Unbiased	99.774	99.773	-0.001
364	1e+13	NDD Unbiased	99.777	99.775	-0.002

NDD vs Post - Pre Exposure Delta

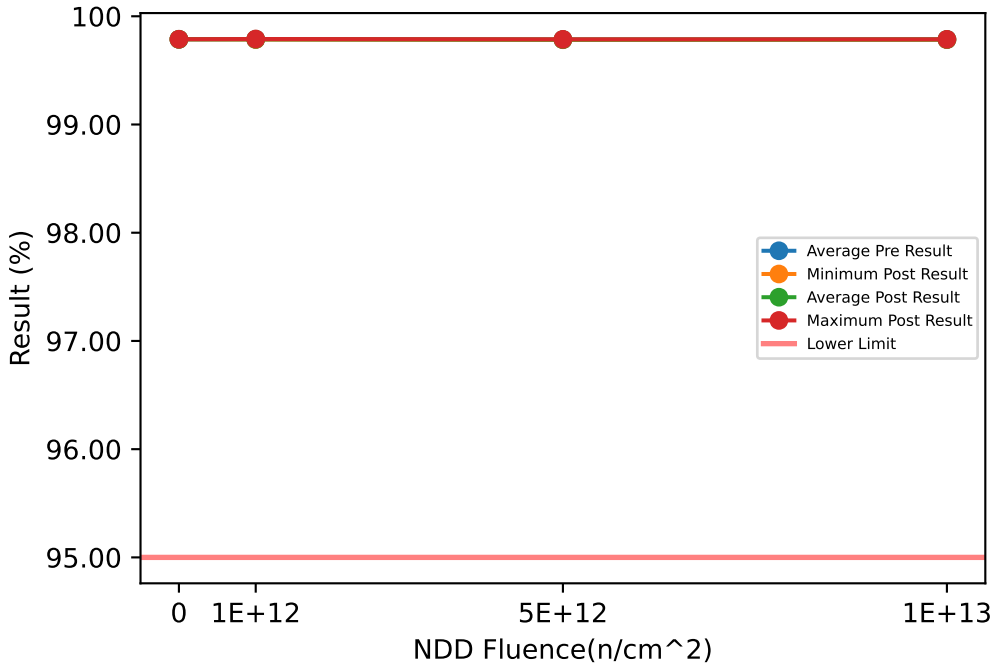


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.775	99.776	99.777	0.0014142	99.773	99.774	99.775	0.0014142	-0.002	-0.002	-0.002	1.0049e-14
1e+12	99.773	99.776	99.777	0.001893	99.773	99.775	99.777	0.0017321	-0.001	-0.00025	0	0.0005
5e+12	99.773	99.773	99.775	0.001	99.771	99.773	99.775	0.0017321	-0.002	-0.001	0	0.0008165
1e+13	99.773	99.775	99.777	0.0017321	99.772	99.773	99.775	0.0014142	-0.002	-0.0015	-0.001	0.00057735

Device Test: 6.55 ; VOH_RESET_2MA

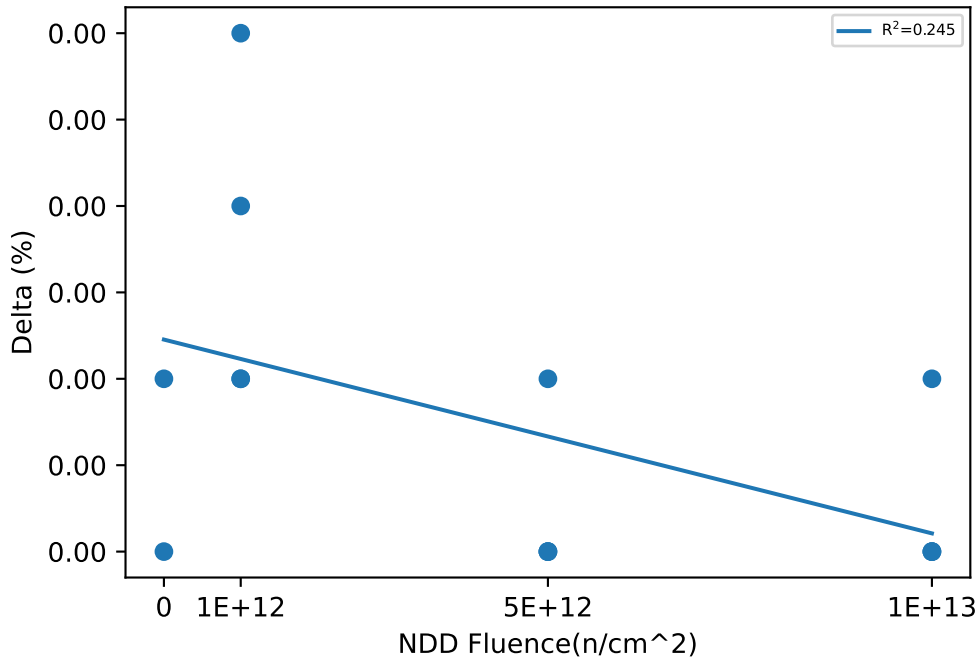
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.786	99.787	0.001
301	0	Correlation	99.788	99.788	0
353	1e+12	NDD Unbiased	99.787	99.788	0.001
354	1e+12	NDD Unbiased	99.787	99.79	0.003
355	1e+12	NDD Unbiased	99.787	99.789	0.002
356	1e+12	NDD Unbiased	99.784	99.785	0.001
357	5e+12	NDD Unbiased	99.787	99.787	0
358	5e+12	NDD Unbiased	99.783	99.784	0.001
359	5e+12	NDD Unbiased	99.783	99.783	0
360	5e+12	NDD Unbiased	99.784	99.784	0
361	1e+13	NDD Unbiased	99.786	99.786	0
362	1e+13	NDD Unbiased	99.784	99.784	0
363	1e+13	NDD Unbiased	99.785	99.786	0.001
364	1e+13	NDD Unbiased	99.787	99.787	0

NDD vs Post - Pre Exposure Delta

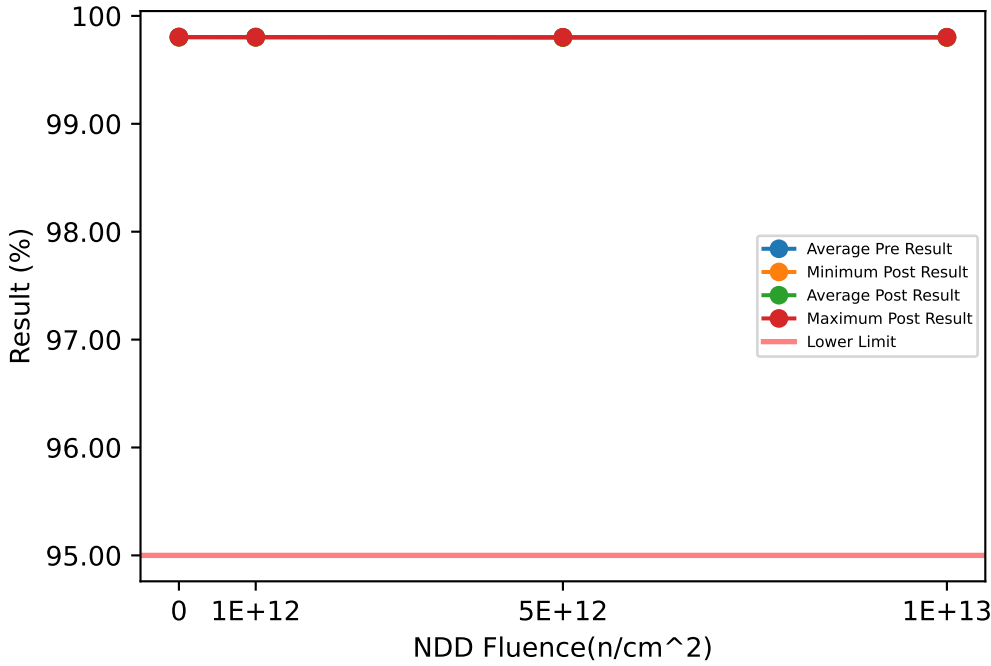


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.786	99.787	99.788	0.0014142	99.787	99.787	99.788	0.00070711	0	0.0005	0.001	0.00070711
1e+12	99.784	99.786	99.787	0.0015	99.785	99.788	99.79	0.0021602	0.001	0.00175	0.003	0.00095743
5e+12	99.783	99.784	99.787	0.001893	99.783	99.785	99.787	0.0017321	0	0.00025	0.001	0.0005
1e+13	99.784	99.785	99.787	0.001291	99.784	99.786	99.787	0.0012583	0	0.00025	0.001	0.0005

Device Test: 6.56 ; VOH_RESET_2MA

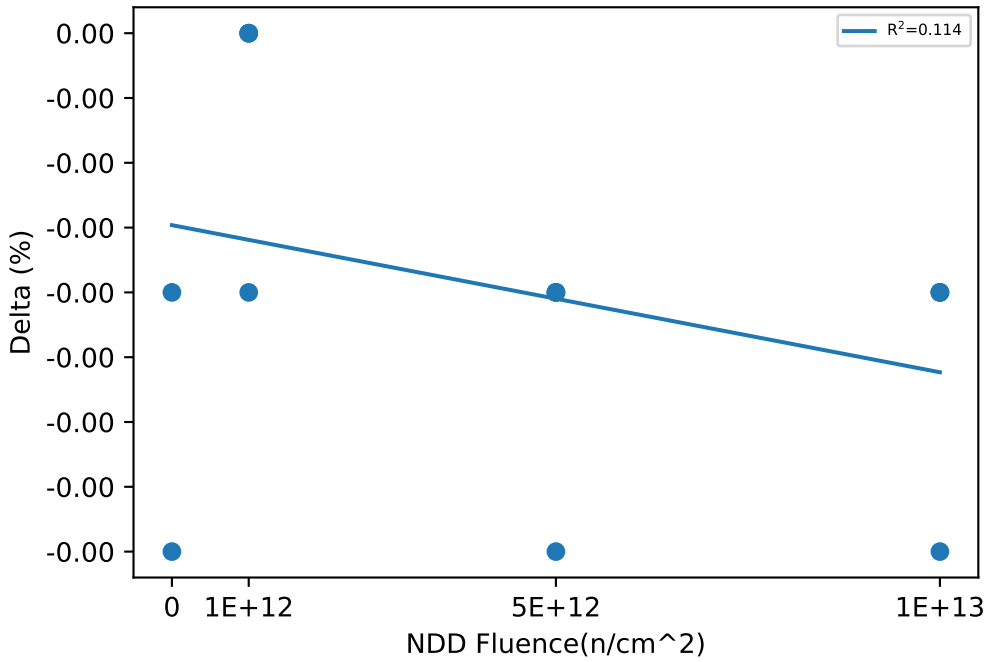
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.804	99.802	-0.002
301	0	Correlation	99.805	99.804	-0.001
353	1e+12	NDD Unbiased	99.804	99.804	0
354	1e+12	NDD Unbiased	99.803	99.803	0
355	1e+12	NDD Unbiased	99.804	99.803	-0.001
356	1e+12	NDD Unbiased	99.801	99.801	0
357	5e+12	NDD Unbiased	99.803	99.802	-0.001
358	5e+12	NDD Unbiased	99.801	99.8	-0.001
359	5e+12	NDD Unbiased	99.801	99.799	-0.002
360	5e+12	NDD Unbiased	99.801	99.8	-0.001
361	1e+13	NDD Unbiased	99.803	99.802	-0.001
362	1e+13	NDD Unbiased	99.801	99.8	-0.001
363	1e+13	NDD Unbiased	99.803	99.801	-0.002
364	1e+13	NDD Unbiased	99.803	99.802	-0.001

NDD vs Post - Pre Exposure Delta

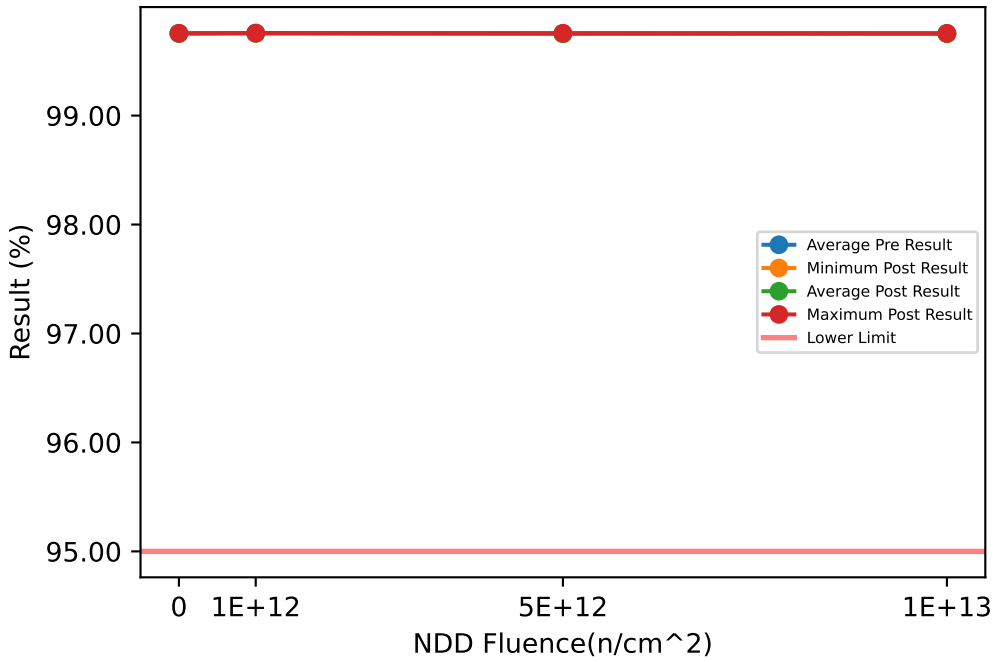


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.804	99.805	99.805	0.00070711	99.802	99.803	99.804	0.0014142	-0.002	-0.0015	-0.001	0.00070711
1e+12	99.801	99.803	99.804	0.0014142	99.801	99.803	99.804	0.0012583	-0.001	-0.00025	0	0.0005
5e+12	99.801	99.802	99.803	0.001	99.799	99.8	99.802	0.0012583	-0.002	-0.00125	-0.001	0.0005
1e+13	99.801	99.802	99.803	0.001	99.8	99.801	99.802	0.00095743	-0.002	-0.00125	-0.001	0.0005

Device Test: 6.57 ; VOH_WDO_2MA

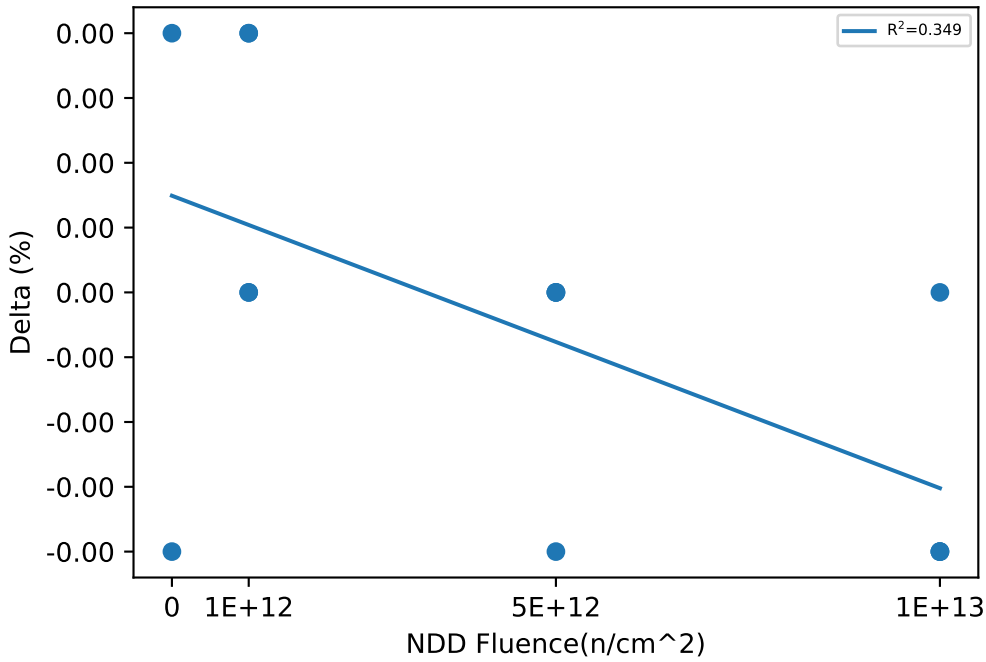
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.754	99.755	0.001
301	0	Correlation	99.755	99.754	-0.001
353	1e+12	NDD Unbiased	99.757	99.758	0.001
354	1e+12	NDD Unbiased	99.757	99.757	0
355	1e+12	NDD Unbiased	99.755	99.755	0
356	1e+12	NDD Unbiased	99.753	99.754	0.001
357	5e+12	NDD Unbiased	99.756	99.756	0
358	5e+12	NDD Unbiased	99.753	99.753	0
359	5e+12	NDD Unbiased	99.752	99.751	-0.001
360	5e+12	NDD Unbiased	99.75	99.75	0
361	1e+13	NDD Unbiased	99.754	99.754	0
362	1e+13	NDD Unbiased	99.753	99.752	-0.001
363	1e+13	NDD Unbiased	99.755	99.754	-0.001
364	1e+13	NDD Unbiased	99.755	99.754	-0.001

NDD vs Post - Pre Exposure Delta

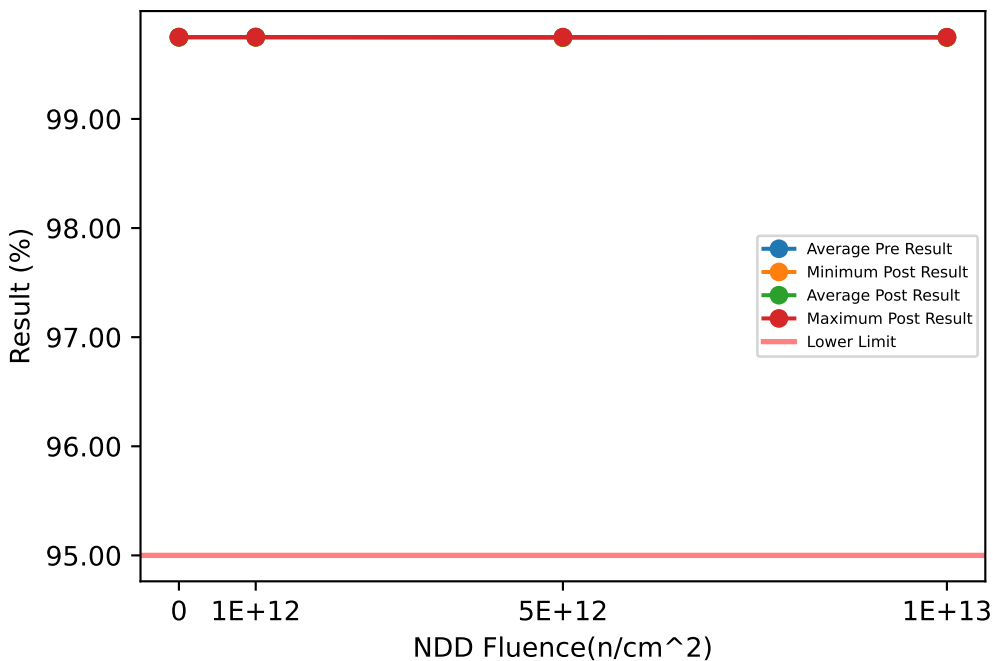


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.754	99.755	99.755	0.00070711	99.754	99.755	99.755	0.00070711	-0.001	0	0.001	0.0014142
1e+12	99.753	99.755	99.757	0.0019149	99.754	99.756	99.758	0.0018257	0	0.0005	0.001	0.00057735
5e+12	99.75	99.753	99.756	0.0025	99.75	99.752	99.756	0.0026458	-0.001	-0.00025	0	0.0005
1e+13	99.753	99.754	99.755	0.00095743	99.752	99.754	99.754	0.001	-0.001	-0.00075	0	0.0005

Device Test: 6.58 ; VOH_PWRGD_2MA

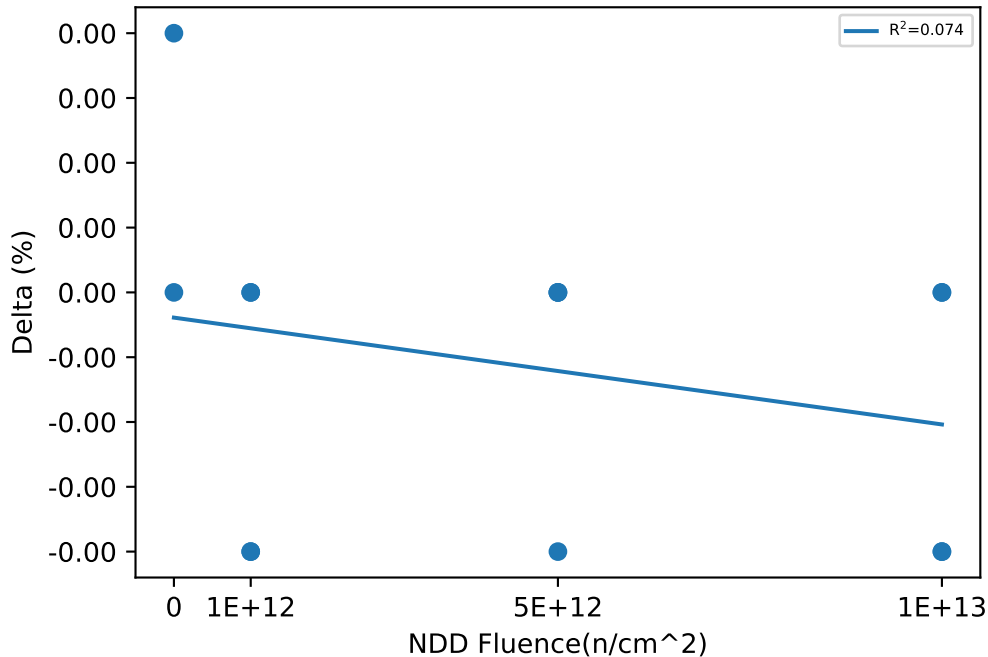
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.749	99.75	0.001
301	0	Correlation	99.749	99.749	0
353	1e+12	NDD Unbiased	99.751	99.751	0
354	1e+12	NDD Unbiased	99.751	99.75	-0.001
355	1e+12	NDD Unbiased	99.75	99.749	-0.001
356	1e+12	NDD Unbiased	99.747	99.747	0
357	5e+12	NDD Unbiased	99.75	99.75	0
358	5e+12	NDD Unbiased	99.747	99.747	0
359	5e+12	NDD Unbiased	99.746	99.746	0
360	5e+12	NDD Unbiased	99.745	99.744	-0.001
361	1e+13	NDD Unbiased	99.748	99.748	0
362	1e+13	NDD Unbiased	99.747	99.746	-0.001
363	1e+13	NDD Unbiased	99.748	99.748	0
364	1e+13	NDD Unbiased	99.75	99.749	-0.001

NDD vs Post - Pre Exposure Delta

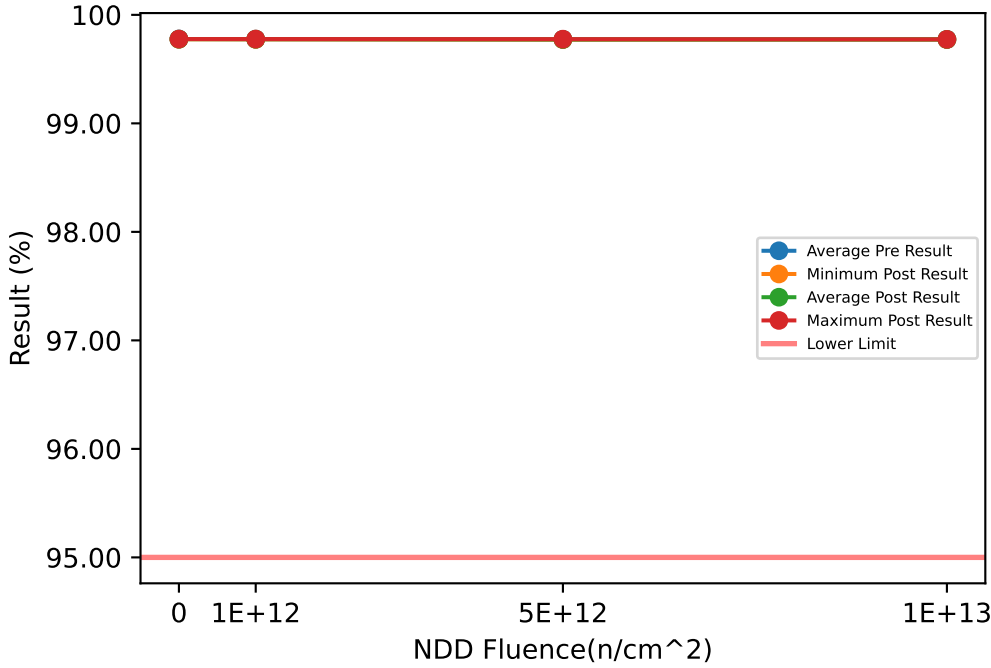


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.749	99.749	99.749	0	99.749	99.749	99.75	0.00070711	0	0.0005	0.001	0.00070711
1e+12	99.747	99.75	99.751	0.001893	99.747	99.749	99.751	0.0017078	-0.001	-0.0005	0	0.00057735
5e+12	99.745	99.747	99.75	0.0021602	99.744	99.747	99.75	0.0025	-0.001	-0.00025	0	0.0005
1e+13	99.747	99.748	99.75	0.0012583	99.746	99.748	99.749	0.0012583	-0.001	-0.0005	0	0.00057735

Device Test: 6.59 ; VOH_RESET_2MA

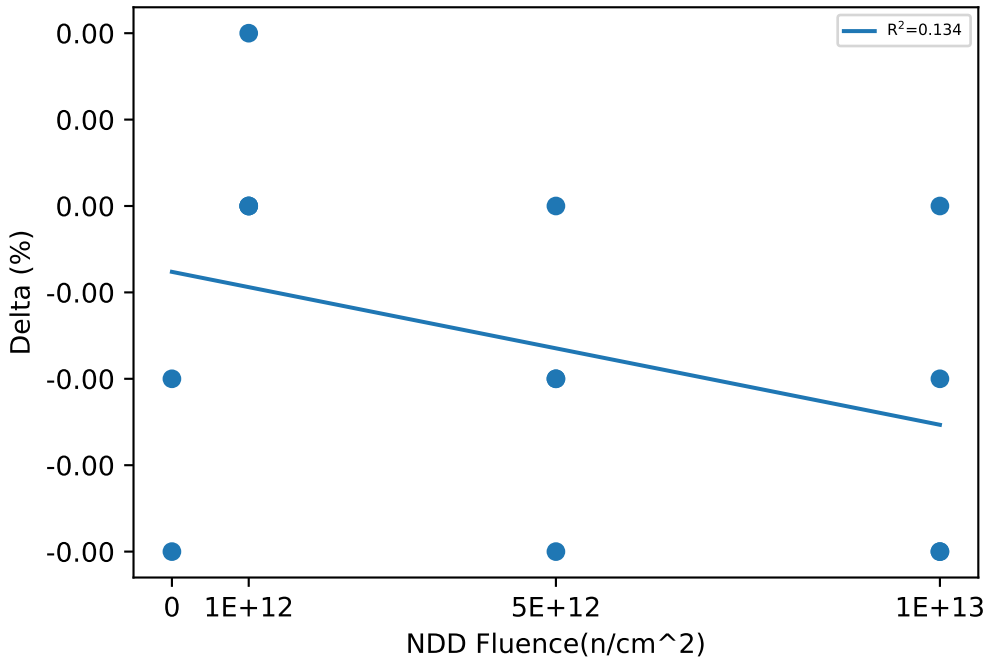
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.776	99.775	-0.001
301	0	Correlation	99.779	99.777	-0.002
353	1e+12	NDD Unbiased	99.776	99.777	0.001
354	1e+12	NDD Unbiased	99.777	99.777	0
355	1e+12	NDD Unbiased	99.776	99.776	0
356	1e+12	NDD Unbiased	99.774	99.774	0
357	5e+12	NDD Unbiased	99.776	99.776	0
358	5e+12	NDD Unbiased	99.773	99.772	-0.001
359	5e+12	NDD Unbiased	99.774	99.772	-0.002
360	5e+12	NDD Unbiased	99.774	99.773	-0.001
361	1e+13	NDD Unbiased	99.773	99.773	0
362	1e+13	NDD Unbiased	99.775	99.773	-0.002
363	1e+13	NDD Unbiased	99.775	99.773	-0.002
364	1e+13	NDD Unbiased	99.775	99.774	-0.001

NDD vs Post - Pre Exposure Delta

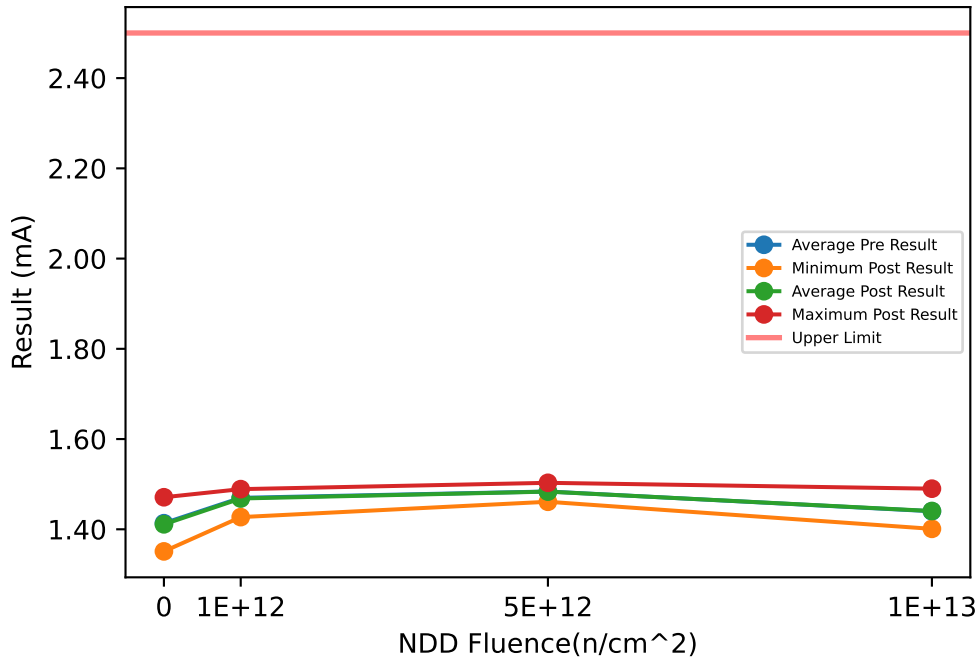


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.776	99.778	99.779	0.0021213	99.775	99.776	99.777	0.0014142	-0.002	-0.0015	-0.001	0.00070711
1e+12	99.774	99.776	99.777	0.0012583	99.774	99.776	99.777	0.0014142	0	0.00025	0.001	0.0005
5e+12	99.773	99.774	99.776	0.0012583	99.772	99.773	99.776	0.001893	-0.002	-0.001	0	0.0008165
1e+13	99.773	99.775	99.775	0.001	99.773	99.773	99.774	0.0005	-0.002	-0.00125	0	0.00095743

Device Test: 6.6 ; IQ

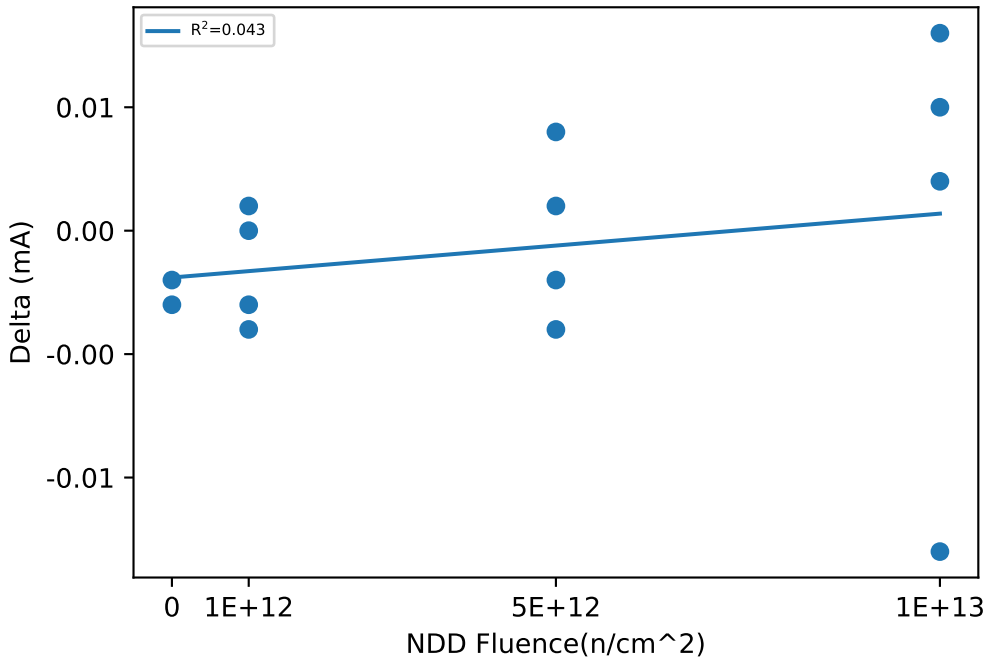
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.474	1.471	-0.003
301	0	Correlation	1.353	1.351	-0.002
353	1e+12	NDD Unbiased	1.43	1.427	-0.003
354	1e+12	NDD Unbiased	1.471	1.472	0.001
355	1e+12	NDD Unbiased	1.489	1.489	0
356	1e+12	NDD Unbiased	1.489	1.485	-0.004
357	5e+12	NDD Unbiased	1.505	1.503	-0.002
358	5e+12	NDD Unbiased	1.502	1.503	0.001
359	5e+12	NDD Unbiased	1.465	1.461	-0.004
360	5e+12	NDD Unbiased	1.463	1.467	0.004
361	1e+13	NDD Unbiased	1.399	1.401	0.002
362	1e+13	NDD Unbiased	1.466	1.453	-0.013
363	1e+13	NDD Unbiased	1.482	1.49	0.008
364	1e+13	NDD Unbiased	1.413	1.418	0.005

NDD vs Post - Pre Exposure Delta

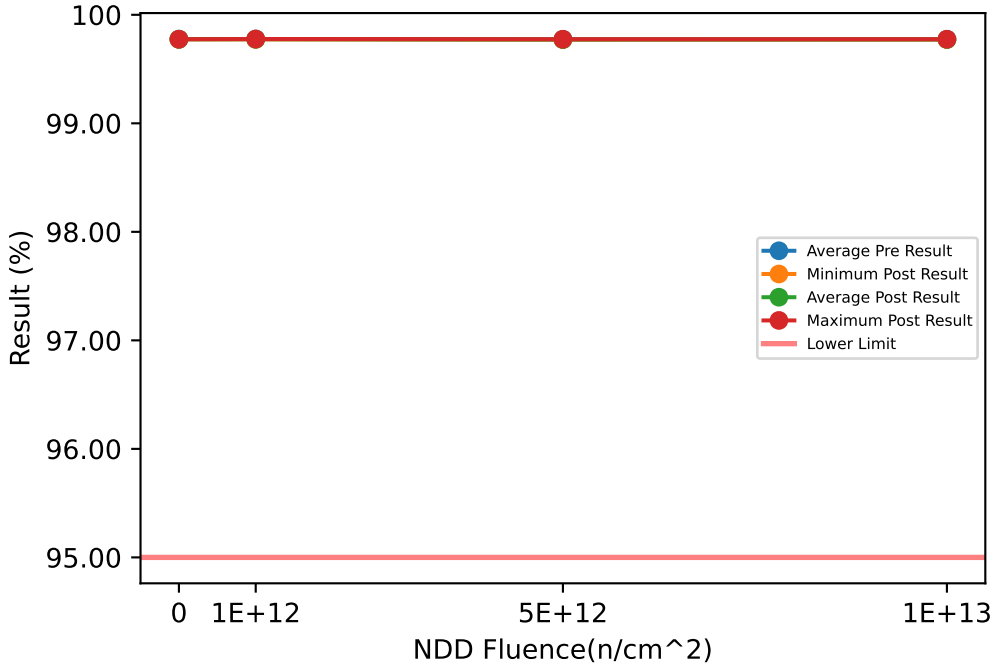


Test Statistics (mA)

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	1.353	1.4135	1.474	0.08556	1.351	1.411	1.471	0.084853	-0.003	-0.0025	-0.002	0.00070711
1e+12	1.43	1.4698	1.489	0.027825	1.427	1.4683	1.489	0.028441	-0.004	-0.0015	0.001	0.0023805
5e+12	1.463	1.4838	1.505	0.022853	1.461	1.4835	1.503	0.02265	-0.004	-0.00025	0.004	0.0035
1e+13	1.399	1.44	1.482	0.040208	1.401	1.4405	1.49	0.039467	-0.013	0.0005	0.008	0.0093274

Device Test: 6.60 ; VOH_RESET_2MA

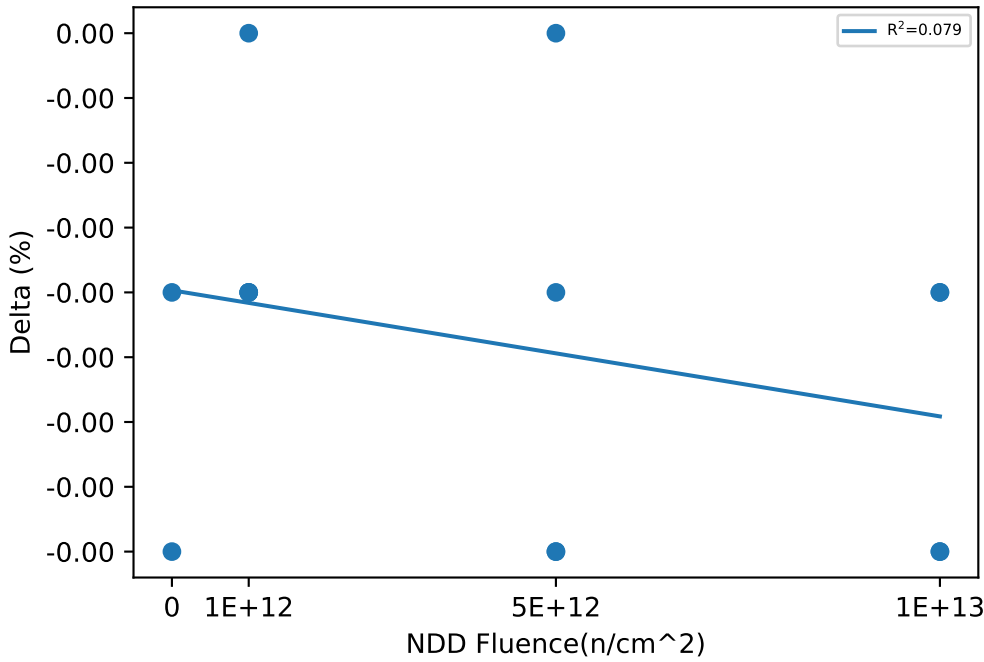
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.775	99.774	-0.001
301	0	Correlation	99.777	99.775	-0.002
353	1e+12	NDD Unbiased	99.777	99.776	-0.001
354	1e+12	NDD Unbiased	99.777	99.777	0
355	1e+12	NDD Unbiased	99.777	99.776	-0.001
356	1e+12	NDD Unbiased	99.774	99.773	-0.001
357	5e+12	NDD Unbiased	99.775	99.775	0
358	5e+12	NDD Unbiased	99.773	99.772	-0.001
359	5e+12	NDD Unbiased	99.774	99.772	-0.002
360	5e+12	NDD Unbiased	99.773	99.771	-0.002
361	1e+13	NDD Unbiased	99.773	99.772	-0.001
362	1e+13	NDD Unbiased	99.774	99.772	-0.002
363	1e+13	NDD Unbiased	99.774	99.773	-0.001
364	1e+13	NDD Unbiased	99.777	99.775	-0.002

NDD vs Post - Pre Exposure Delta

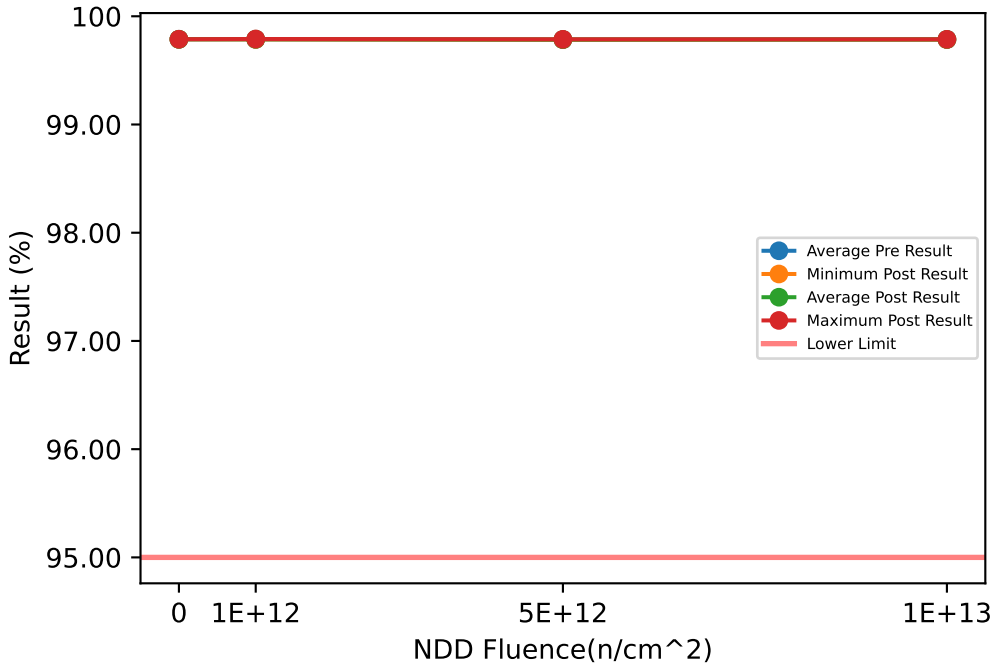


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.775	99.776	99.777	0.0014142	99.774	99.775	99.775	0.00070711	-0.002	-0.0015	-0.001	0.00070711
1e+12	99.774	99.776	99.777	0.0015	99.773	99.775	99.777	0.0017321	-0.001	-0.00075	0	0.0005
5e+12	99.773	99.774	99.775	0.00095743	99.771	99.773	99.775	0.0017321	-0.002	-0.00125	0	0.00095743
1e+13	99.773	99.775	99.777	0.0017321	99.772	99.773	99.775	0.0014142	-0.002	-0.0015	-0.001	0.00057735

Device Test: 6.61 ; VOH_RESET_2MA

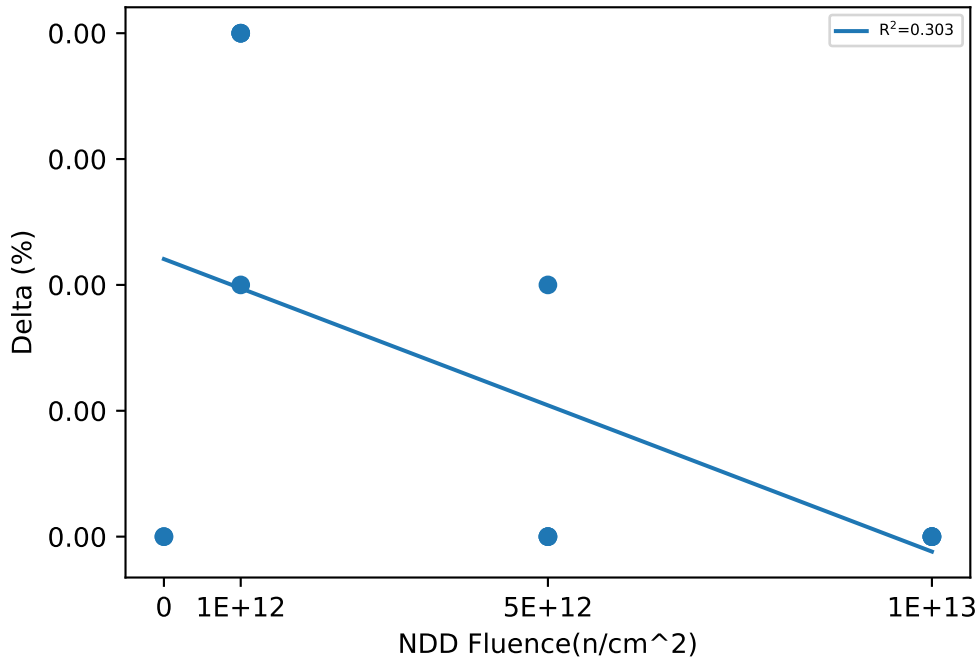
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.787	99.787	0
301	0	Correlation	99.788	99.788	0
353	1e+12	NDD Unbiased	99.787	99.789	0.002
354	1e+12	NDD Unbiased	99.788	99.79	0.002
355	1e+12	NDD Unbiased	99.787	99.788	0.001
356	1e+12	NDD Unbiased	99.784	99.786	0.002
357	5e+12	NDD Unbiased	99.787	99.787	0
358	5e+12	NDD Unbiased	99.783	99.784	0.001
359	5e+12	NDD Unbiased	99.784	99.784	0
360	5e+12	NDD Unbiased	99.784	99.784	0
361	1e+13	NDD Unbiased	99.786	99.786	0
362	1e+13	NDD Unbiased	99.785	99.785	0
363	1e+13	NDD Unbiased	99.786	99.786	0
364	1e+13	NDD Unbiased	99.787	99.787	0

NDD vs Post - Pre Exposure Delta

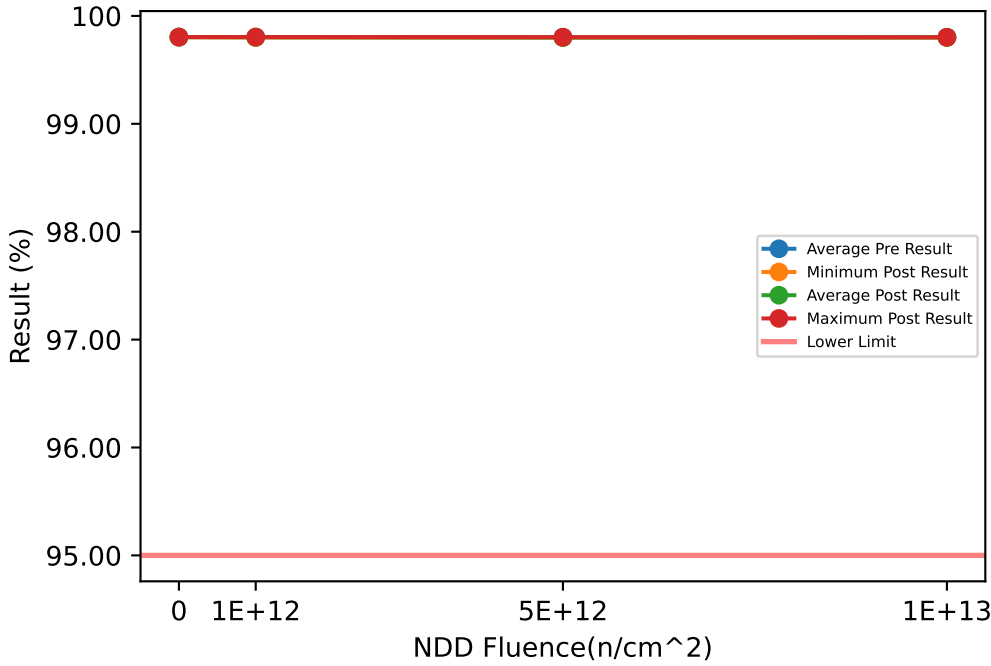


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.787	99.787	99.788	0.00070711	99.787	99.787	99.788	0.00070711	0	0	0	0
1e+12	99.784	99.787	99.788	0.0017321	99.786	99.788	99.79	0.0017078	0.001	0.00175	0.002	0.0005
5e+12	99.783	99.785	99.787	0.0017321	99.784	99.785	99.787	0.0015	0	0.00025	0.001	0.0005
1e+13	99.785	99.786	99.787	0.0008165	99.785	99.786	99.787	0.0008165	0	0	0	0

Device Test: 6.62 ; VOH_RESET_2MA

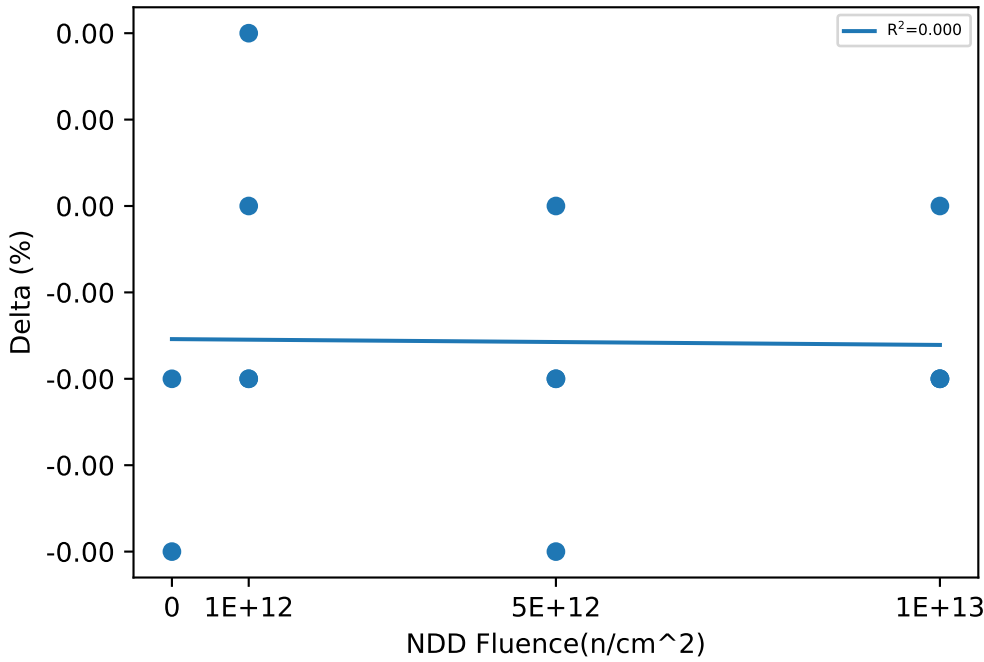
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.804	99.802	-0.002
301	0	Correlation	99.805	99.804	-0.001
353	1e+12	NDD Unbiased	99.803	99.804	0.001
354	1e+12	NDD Unbiased	99.804	99.804	0
355	1e+12	NDD Unbiased	99.804	99.803	-0.001
356	1e+12	NDD Unbiased	99.801	99.8	-0.001
357	5e+12	NDD Unbiased	99.803	99.803	0
358	5e+12	NDD Unbiased	99.801	99.8	-0.001
359	5e+12	NDD Unbiased	99.801	99.799	-0.002
360	5e+12	NDD Unbiased	99.801	99.8	-0.001
361	1e+13	NDD Unbiased	99.802	99.802	0
362	1e+13	NDD Unbiased	99.801	99.8	-0.001
363	1e+13	NDD Unbiased	99.803	99.802	-0.001
364	1e+13	NDD Unbiased	99.803	99.802	-0.001

NDD vs Post - Pre Exposure Delta

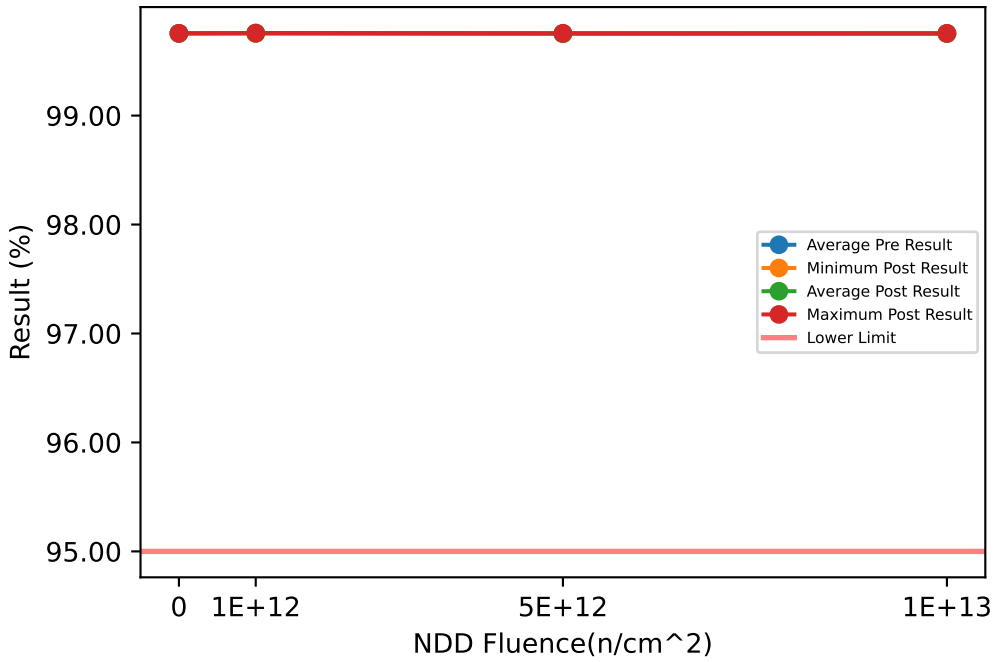


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.804	99.805	99.805	0.00070711	99.802	99.803	99.804	0.0014142	-0.002	-0.0015	-0.001	0.00070711
1e+12	99.801	99.803	99.804	0.0014142	99.8	99.803	99.804	0.001893	-0.001	-0.00025	0.001	0.00095743
5e+12	99.801	99.802	99.803	0.001	99.799	99.8	99.803	0.0017321	-0.002	-0.001	0	0.0008165
1e+13	99.801	99.802	99.803	0.00095743	99.8	99.802	99.802	0.001	-0.001	-0.00075	0	0.0005

Device Test: 6.63 ; VOH_WDO_2MA

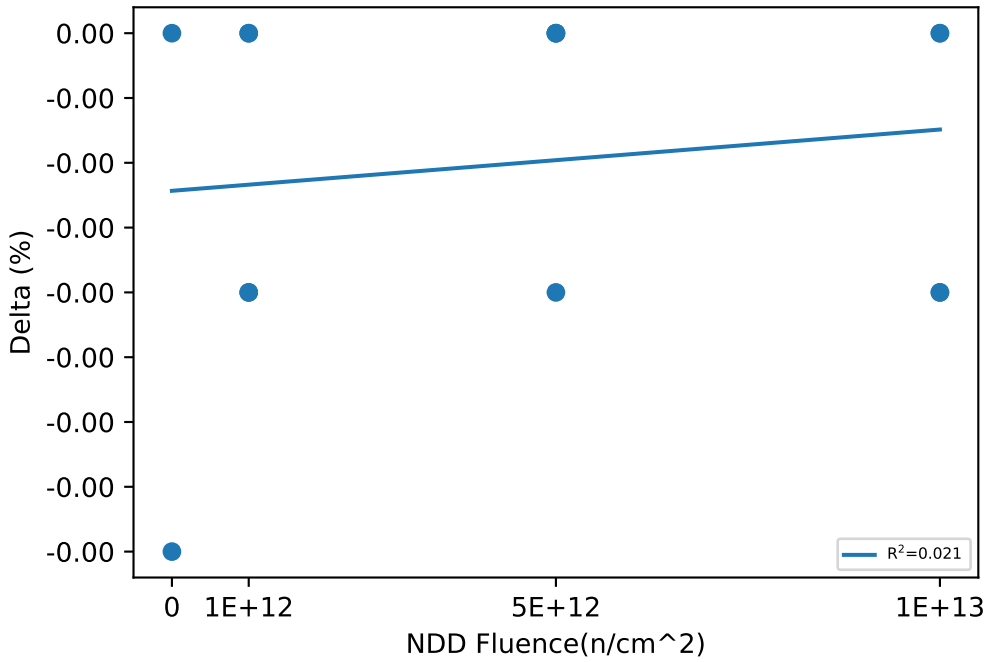
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.755	99.755	0
301	0	Correlation	99.756	99.754	-0.002
353	1e+12	NDD Unbiased	99.758	99.758	0
354	1e+12	NDD Unbiased	99.758	99.757	-0.001
355	1e+12	NDD Unbiased	99.755	99.755	0
356	1e+12	NDD Unbiased	99.754	99.753	-0.001
357	5e+12	NDD Unbiased	99.756	99.756	0
358	5e+12	NDD Unbiased	99.753	99.753	0
359	5e+12	NDD Unbiased	99.751	99.751	0
360	5e+12	NDD Unbiased	99.751	99.75	-0.001
361	1e+13	NDD Unbiased	99.753	99.753	0
362	1e+13	NDD Unbiased	99.753	99.752	-0.001
363	1e+13	NDD Unbiased	99.755	99.754	-0.001
364	1e+13	NDD Unbiased	99.755	99.755	0

NDD vs Post - Pre Exposure Delta

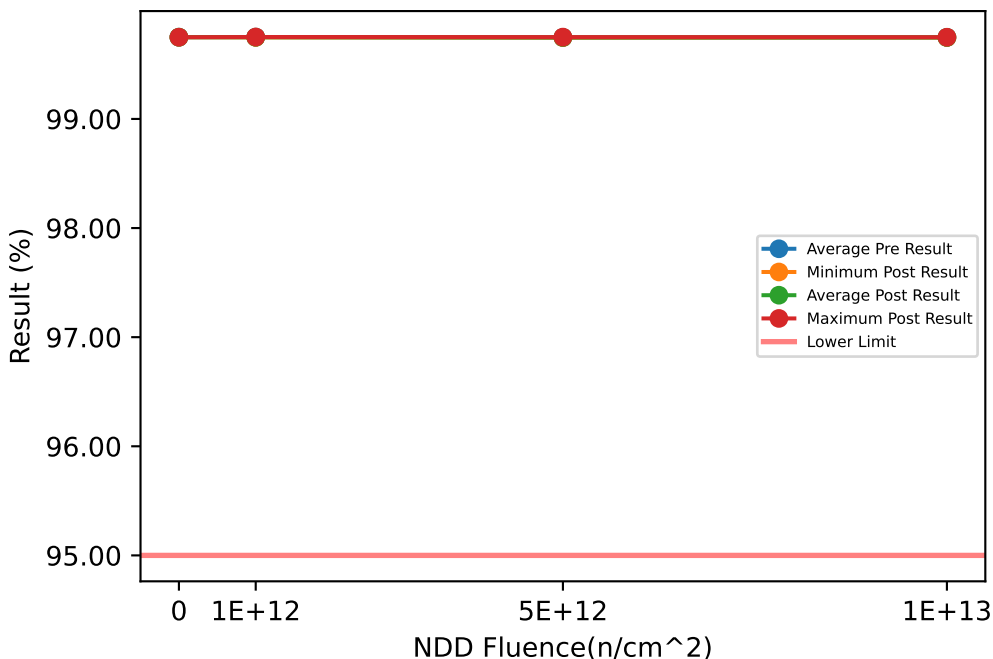


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.755	99.755	99.756	0.00070711	99.754	99.755	99.755	0.00070711	-0.002	-0.001	0	0.0014142
1e+12	99.754	99.756	99.758	0.0020616	99.753	99.756	99.758	0.0022174	-0.001	-0.0005	0	0.00057735
5e+12	99.751	99.753	99.756	0.0023629	99.75	99.752	99.756	0.0026458	-0.001	-0.00025	0	0.0005
1e+13	99.753	99.754	99.755	0.0011547	99.752	99.754	99.755	0.001291	-0.001	-0.0005	0	0.00057735

Device Test: 6.64 ; VOH_PWRGD_2MA

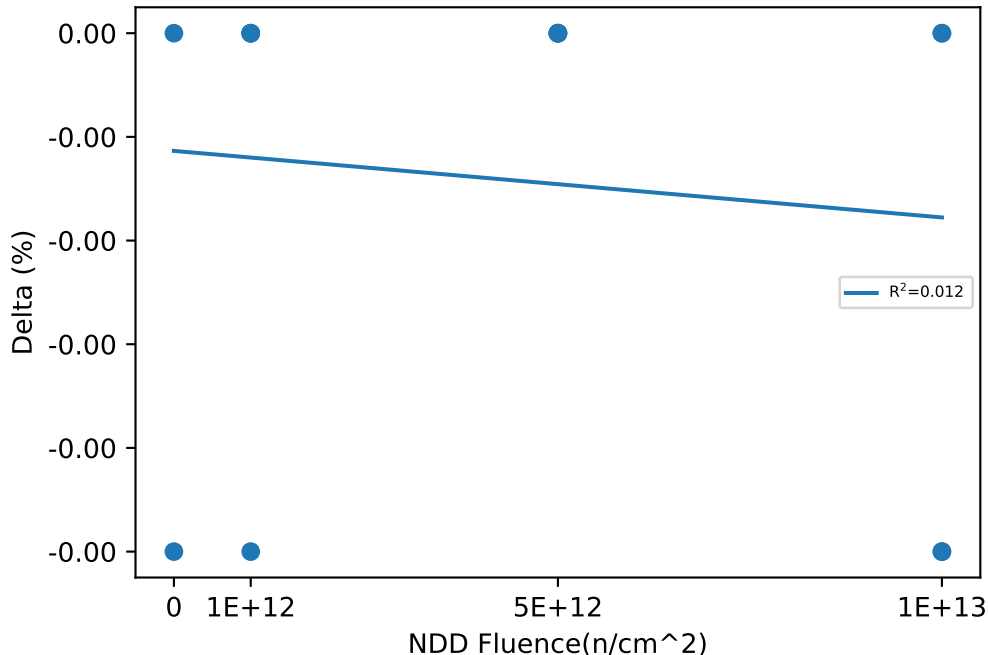
NDD vs Result Stats



Test Results (Lower Limit = 95.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.749	99.749	0
301	0	Correlation	99.75	99.749	-0.001
353	1e+12	NDD Unbiased	99.751	99.751	0
354	1e+12	NDD Unbiased	99.751	99.75	-0.001
355	1e+12	NDD Unbiased	99.749	99.749	0
356	1e+12	NDD Unbiased	99.747	99.747	0
357	5e+12	NDD Unbiased	99.75	99.75	0
358	5e+12	NDD Unbiased	99.747	99.747	0
359	5e+12	NDD Unbiased	99.745	99.745	0
360	5e+12	NDD Unbiased	99.745	99.745	0
361	1e+13	NDD Unbiased	99.747	99.747	0
362	1e+13	NDD Unbiased	99.747	99.746	-0.001
363	1e+13	NDD Unbiased	99.748	99.747	-0.001
364	1e+13	NDD Unbiased	99.749	99.749	0

NDD vs Post - Pre Exposure Delta

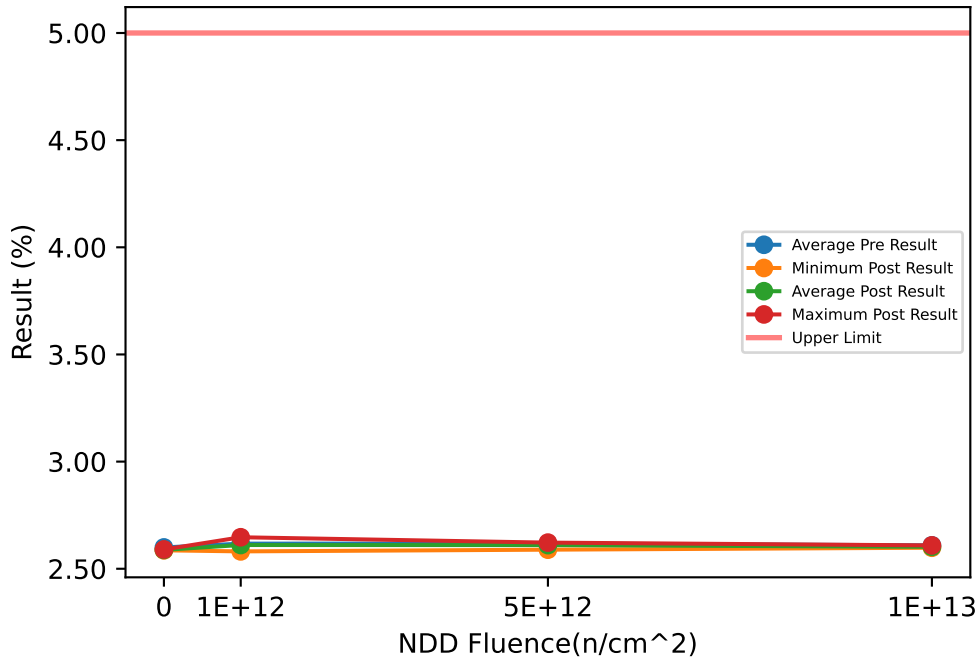


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.749	99.749	99.75	0.00070711	99.749	99.749	99.749	0	-0.001	-0.0005	0	0.00070711
1e+12	99.747	99.749	99.751	0.0019149	99.747	99.749	99.751	0.0017078	-0.001	-0.00025	0	0.0005
5e+12	99.745	99.747	99.75	0.0023629	99.745	99.747	99.75	0.0023629	0	0	0	0
1e+13	99.747	99.748	99.749	0.00095743	99.746	99.747	99.749	0.0012583	-0.001	-0.0005	0	0.00057735

Device Test: 6.65 ; VOL_RESET_2MA

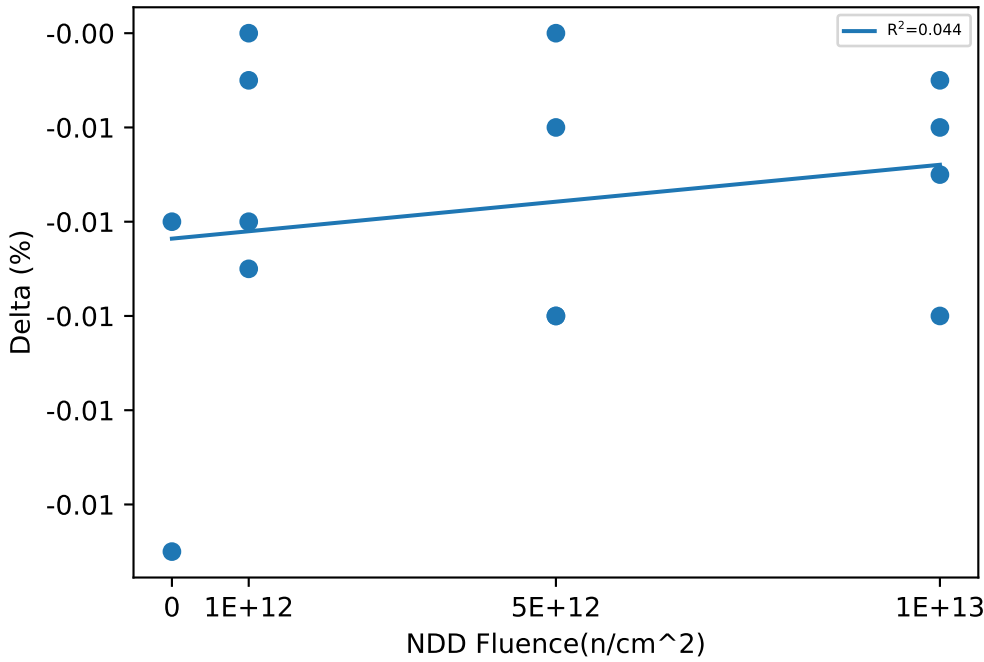
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.605	2.59	-0.015
301	0	Correlation	2.594	2.586	-0.008
353	1e+12	NDD Unbiased	2.59	2.581	-0.009
354	1e+12	NDD Unbiased	2.655	2.647	-0.008
355	1e+12	NDD Unbiased	2.617	2.613	-0.004
356	1e+12	NDD Unbiased	2.607	2.602	-0.005
357	5e+12	NDD Unbiased	2.599	2.589	-0.01
358	5e+12	NDD Unbiased	2.632	2.622	-0.01
359	5e+12	NDD Unbiased	2.628	2.622	-0.006
360	5e+12	NDD Unbiased	2.612	2.608	-0.004
361	1e+13	NDD Unbiased	2.613	2.603	-0.01
362	1e+13	NDD Unbiased	2.615	2.609	-0.006
363	1e+13	NDD Unbiased	2.605	2.598	-0.007
364	1e+13	NDD Unbiased	2.604	2.599	-0.005

NDD vs Post - Pre Exposure Delta

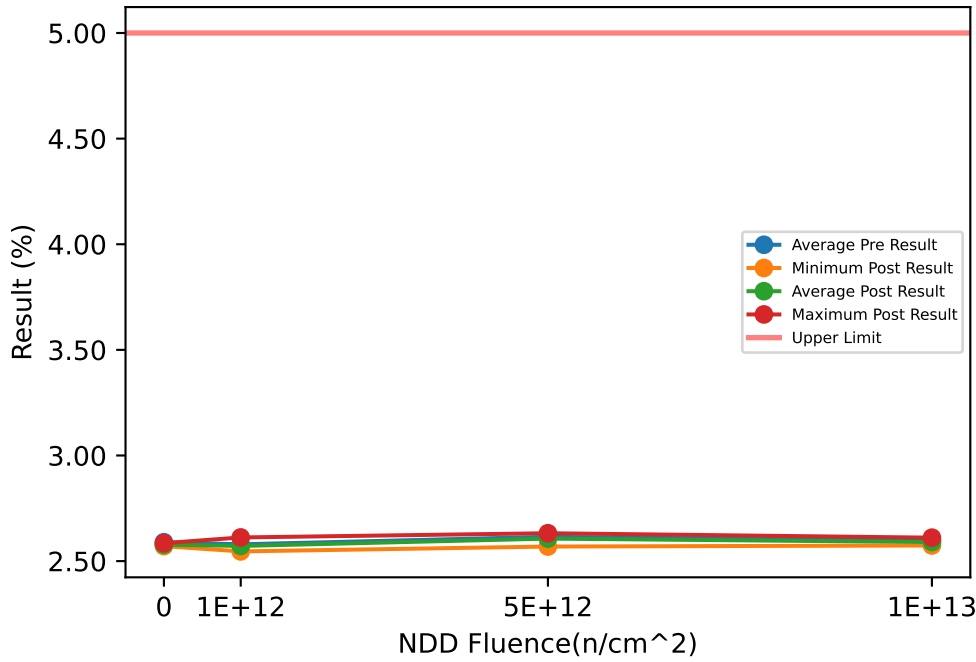


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.594	2.5995	2.605	0.0077782	2.586	2.588	2.59	0.0028284	-0.015	-0.0115	-0.008	0.0049497
1e+12	2.59	2.6172	2.655	0.027524	2.581	2.6107	2.647	0.027573	-0.009	-0.0065	-0.004	0.0023805
5e+12	2.599	2.6178	2.632	0.015196	2.589	2.6102	2.622	0.015628	-0.01	-0.0075	-0.004	0.003
1e+13	2.604	2.6093	2.615	0.0055603	2.598	2.6023	2.609	0.0049917	-0.01	-0.007	-0.005	0.0021602

Device Test: 6.66 ; VOL_RESET_2MA

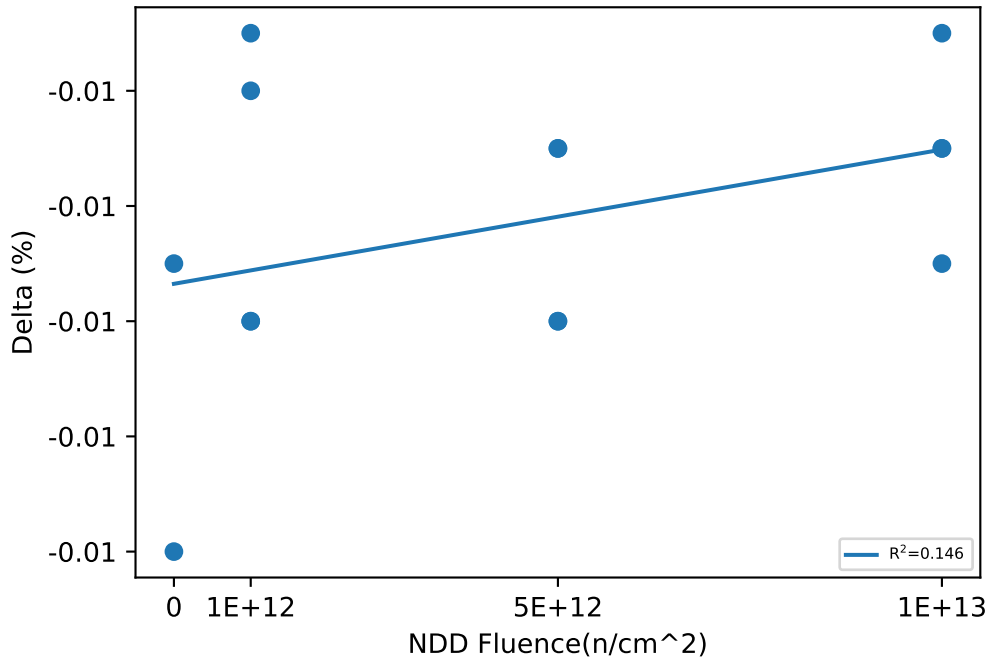
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.599	2.585	-0.014
301	0	Correlation	2.58	2.571	-0.009
353	1e+12	NDD Unbiased	2.556	2.546	-0.01
354	1e+12	NDD Unbiased	2.579	2.569	-0.01
355	1e+12	NDD Unbiased	2.566	2.56	-0.006
356	1e+12	NDD Unbiased	2.617	2.612	-0.005
357	5e+12	NDD Unbiased	2.579	2.569	-0.01
358	5e+12	NDD Unbiased	2.608	2.598	-0.01
359	5e+12	NDD Unbiased	2.639	2.632	-0.007
360	5e+12	NDD Unbiased	2.634	2.627	-0.007
361	1e+13	NDD Unbiased	2.62	2.611	-0.009
362	1e+13	NDD Unbiased	2.588	2.583	-0.005
363	1e+13	NDD Unbiased	2.6	2.593	-0.007
364	1e+13	NDD Unbiased	2.581	2.574	-0.007

NDD vs Post - Pre Exposure Delta

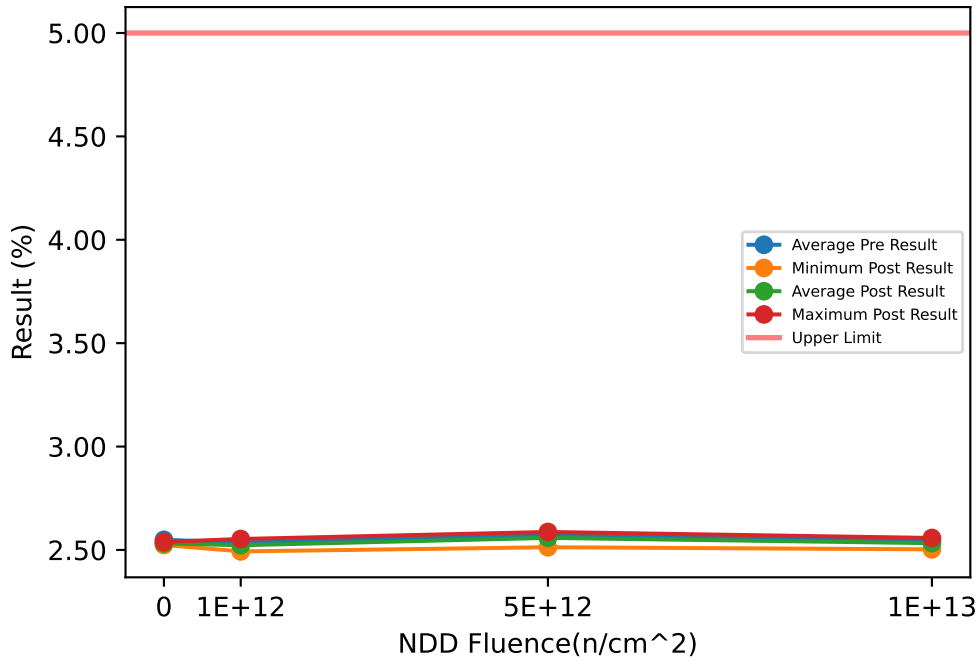


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.58	2.5895	2.599	0.013435	2.571	2.578	2.585	0.0098995	-0.014	-0.0115	-0.009	0.0035355
1e+12	2.556	2.5795	2.617	0.026715	2.546	2.5717	2.612	0.028453	-0.01	-0.00775	-0.005	0.00263
5e+12	2.579	2.615	2.639	0.02758	2.569	2.6065	2.632	0.029149	-0.01	-0.0085	-0.007	0.0017321
1e+13	2.581	2.5972	2.62	0.017076	2.574	2.5903	2.611	0.015861	-0.009	-0.007	-0.005	0.001633

Device Test: 6.67 ; VOL_RESET_2MA

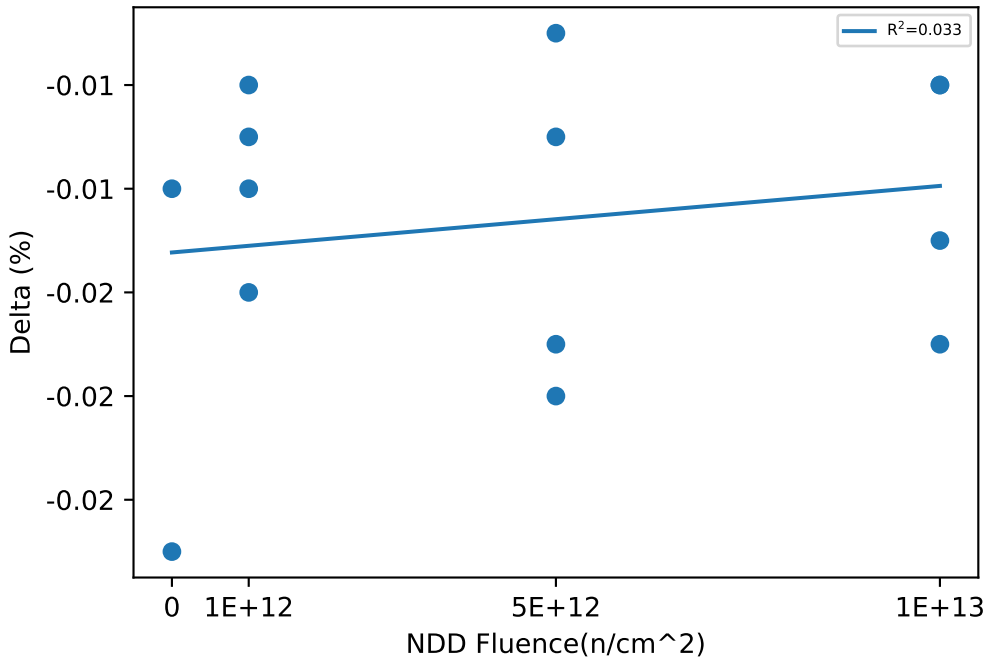
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.56	2.539	-0.021
301	0	Correlation	2.538	2.524	-0.014
353	1e+12	NDD Unbiased	2.509	2.493	-0.016
354	1e+12	NDD Unbiased	2.546	2.532	-0.014
355	1e+12	NDD Unbiased	2.525	2.513	-0.012
356	1e+12	NDD Unbiased	2.566	2.553	-0.013
357	5e+12	NDD Unbiased	2.531	2.513	-0.018
358	5e+12	NDD Unbiased	2.572	2.555	-0.017
359	5e+12	NDD Unbiased	2.6	2.587	-0.013
360	5e+12	NDD Unbiased	2.589	2.578	-0.011
361	1e+13	NDD Unbiased	2.575	2.558	-0.017
362	1e+13	NDD Unbiased	2.534	2.522	-0.012
363	1e+13	NDD Unbiased	2.563	2.548	-0.015
364	1e+13	NDD Unbiased	2.515	2.503	-0.012

NDD vs Post - Pre Exposure Delta

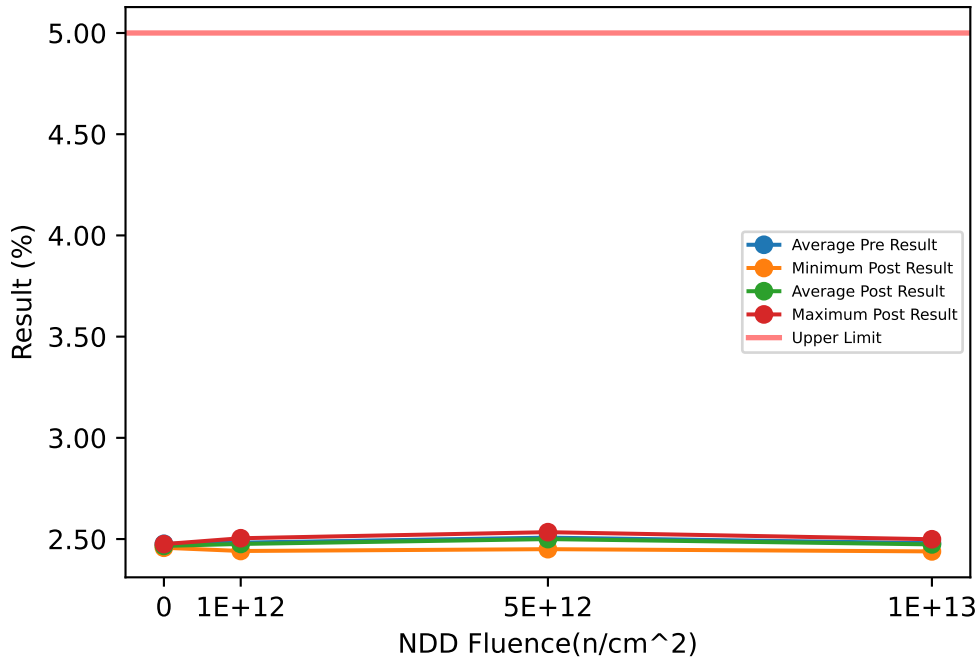


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.538	2.549	2.56	0.015556	2.524	2.5315	2.539	0.010607	-0.021	-0.0175	-0.014	0.0049497
1e+12	2.509	2.5365	2.566	0.024826	2.493	2.5227	2.553	0.025695	-0.016	-0.01375	-0.012	0.0017078
5e+12	2.531	2.573	2.6	0.030277	2.513	2.5583	2.587	0.033039	-0.018	-0.01475	-0.011	0.003304
1e+13	2.515	2.5468	2.575	0.027281	2.503	2.5328	2.558	0.024972	-0.017	-0.014	-0.012	0.0024495

Device Test: 6.68 ; VOL_RESET_2MA

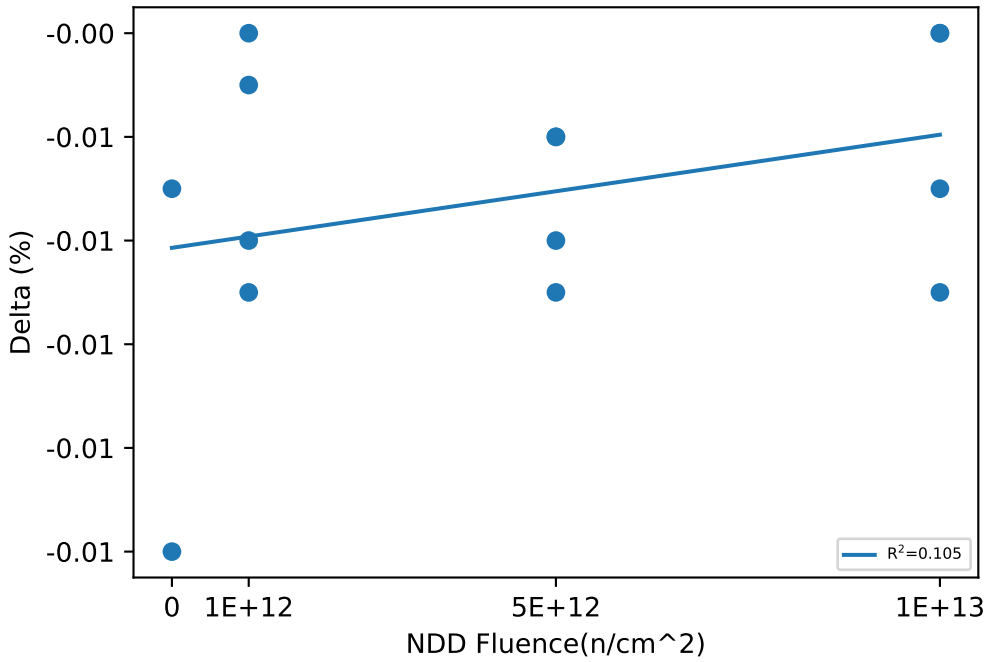
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.489	2.475	-0.014
301	0	Correlation	2.464	2.457	-0.007
353	1e+12	NDD Unbiased	2.45	2.441	-0.009
354	1e+12	NDD Unbiased	2.506	2.498	-0.008
355	1e+12	NDD Unbiased	2.464	2.46	-0.004
356	1e+12	NDD Unbiased	2.509	2.504	-0.005
357	5e+12	NDD Unbiased	2.458	2.45	-0.008
358	5e+12	NDD Unbiased	2.505	2.496	-0.009
359	5e+12	NDD Unbiased	2.54	2.534	-0.006
360	5e+12	NDD Unbiased	2.525	2.519	-0.006
361	1e+13	NDD Unbiased	2.508	2.499	-0.009
362	1e+13	NDD Unbiased	2.473	2.469	-0.004
363	1e+13	NDD Unbiased	2.494	2.487	-0.007
364	1e+13	NDD Unbiased	2.443	2.439	-0.004

NDD vs Post - Pre Exposure Delta

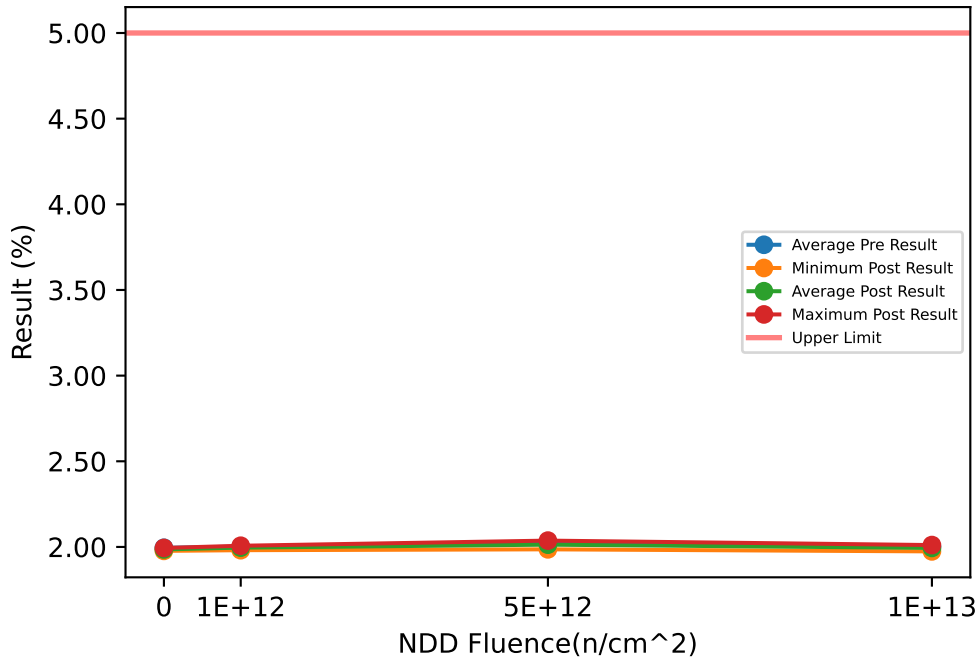


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.464	2.4765	2.489	0.017678	2.457	2.466	2.475	0.012728	-0.014	-0.0105	-0.007	0.0049497
1e+12	2.45	2.4823	2.509	0.029736	2.441	2.4758	2.504	0.03027	-0.009	-0.0065	-0.004	0.0023805
5e+12	2.458	2.507	2.54	0.035674	2.45	2.4998	2.534	0.036664	-0.009	-0.00725	-0.006	0.0015
1e+13	2.443	2.4795	2.508	0.028267	2.439	2.4735	2.499	0.026096	-0.009	-0.006	-0.004	0.0024495

Device Test: 6.69 ; VOL_WDO_2MA

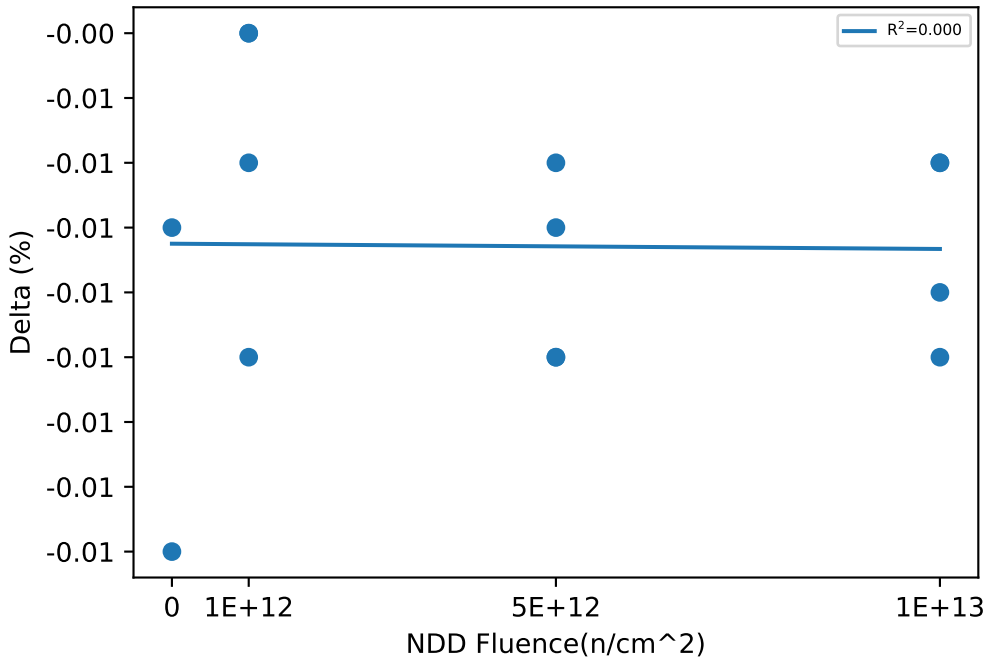
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.006	1.994	-0.012
301	0	Correlation	1.984	1.977	-0.007
353	1e+12	NDD Unbiased	1.99	1.981	-0.009
354	1e+12	NDD Unbiased	2.013	2.007	-0.006
355	1e+12	NDD Unbiased	2	1.996	-0.004
356	1e+12	NDD Unbiased	2.004	2	-0.004
357	5e+12	NDD Unbiased	1.995	1.986	-0.009
358	5e+12	NDD Unbiased	2.004	1.995	-0.009
359	5e+12	NDD Unbiased	2.042	2.035	-0.007
360	5e+12	NDD Unbiased	2.043	2.037	-0.006
361	1e+13	NDD Unbiased	2.009	2.001	-0.008
362	1e+13	NDD Unbiased	2.017	2.011	-0.006
363	1e+13	NDD Unbiased	2	1.991	-0.009
364	1e+13	NDD Unbiased	1.98	1.974	-0.006

NDD vs Post - Pre Exposure Delta

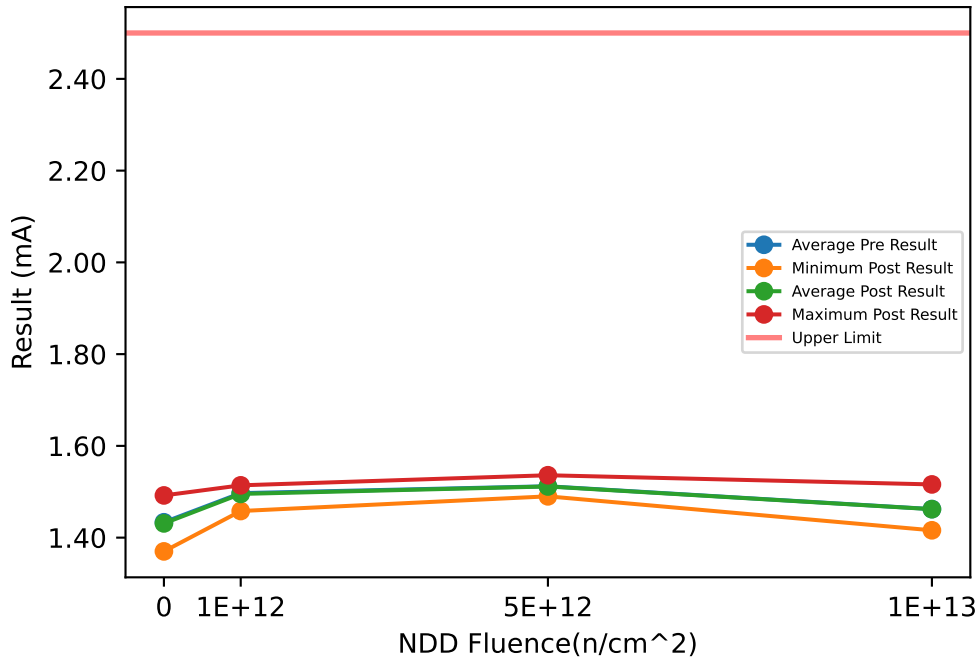


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.984	1.995	2.006	0.015556	1.977	1.9855	1.994	0.012021	-0.012	-0.0095	-0.007	0.0035355
1e+12	1.99	2.0017	2.013	0.009535	1.981	1.996	2.007	0.010985	-0.009	-0.00575	-0.004	0.0023629
5e+12	1.995	2.021	2.043	0.0251	1.986	2.0133	2.037	0.026538	-0.009	-0.00775	-0.006	0.0015
1e+13	1.98	2.0015	2.017	0.015927	1.974	1.9943	2.011	0.015777	-0.009	-0.00725	-0.006	0.0015

Device Test: 6.7 ; IQ

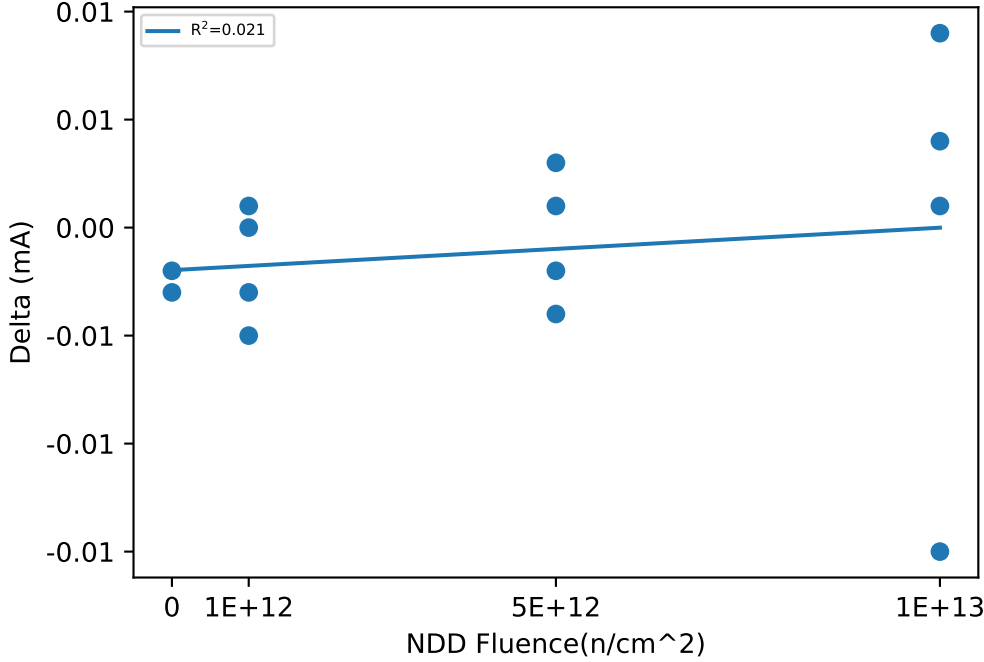
NDD vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.495	1.492	-0.003
301	0	Correlation	1.372	1.37	-0.002
353	1e+12	NDD Unbiased	1.461	1.458	-0.003
354	1e+12	NDD Unbiased	1.498	1.499	0.001
355	1e+12	NDD Unbiased	1.514	1.514	0
356	1e+12	NDD Unbiased	1.515	1.51	-0.005
357	5e+12	NDD Unbiased	1.531	1.529	-0.002
358	5e+12	NDD Unbiased	1.535	1.536	0.001
359	5e+12	NDD Unbiased	1.494	1.49	-0.004
360	5e+12	NDD Unbiased	1.488	1.491	0.003
361	1e+13	NDD Unbiased	1.415	1.416	0.001
362	1e+13	NDD Unbiased	1.491	1.476	-0.015
363	1e+13	NDD Unbiased	1.507	1.516	0.009
364	1e+13	NDD Unbiased	1.436	1.44	0.004

NDD vs Post - Pre Exposure Delta

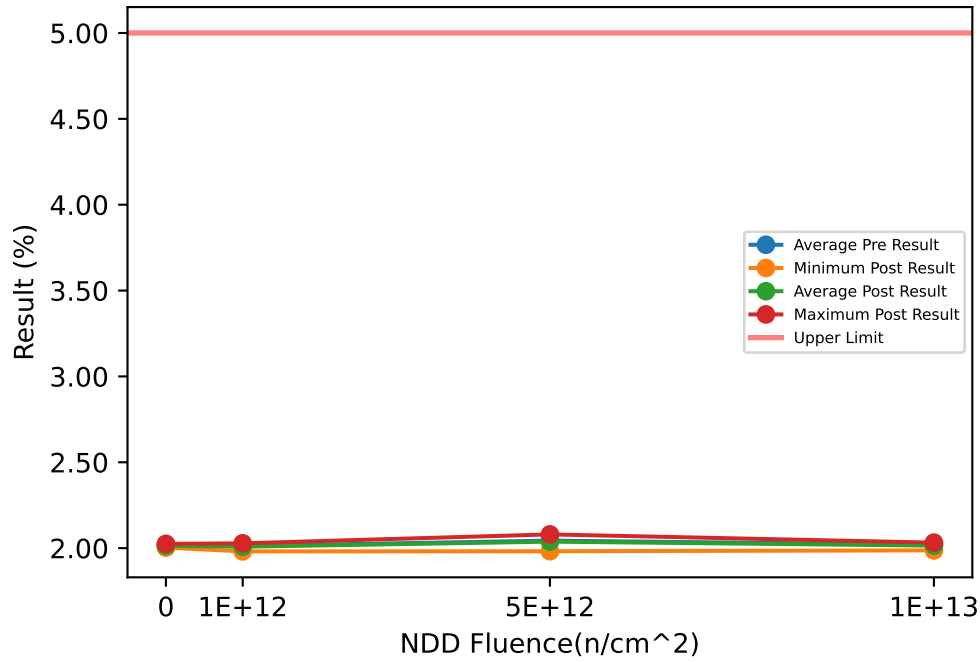


Test Statistics (mA)

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	1.372	1.4335	1.495	0.086974	1.37	1.431	1.492	0.086267	-0.003	-0.0025	-0.002	0.00070711
1e+12	1.461	1.497	1.515	0.025232	1.458	1.4952	1.514	0.02563	-0.005	-0.00175	0.001	0.0027538
5e+12	1.488	1.512	1.535	0.024427	1.49	1.5115	1.536	0.02442	-0.004	-0.0005	0.003	0.0031091
1e+13	1.415	1.4623	1.507	0.043783	1.416	1.462	1.516	0.043635	-0.015	-0.00025	0.009	0.010372

Device Test: 6.70 ; VOL_PWRGD_2MA

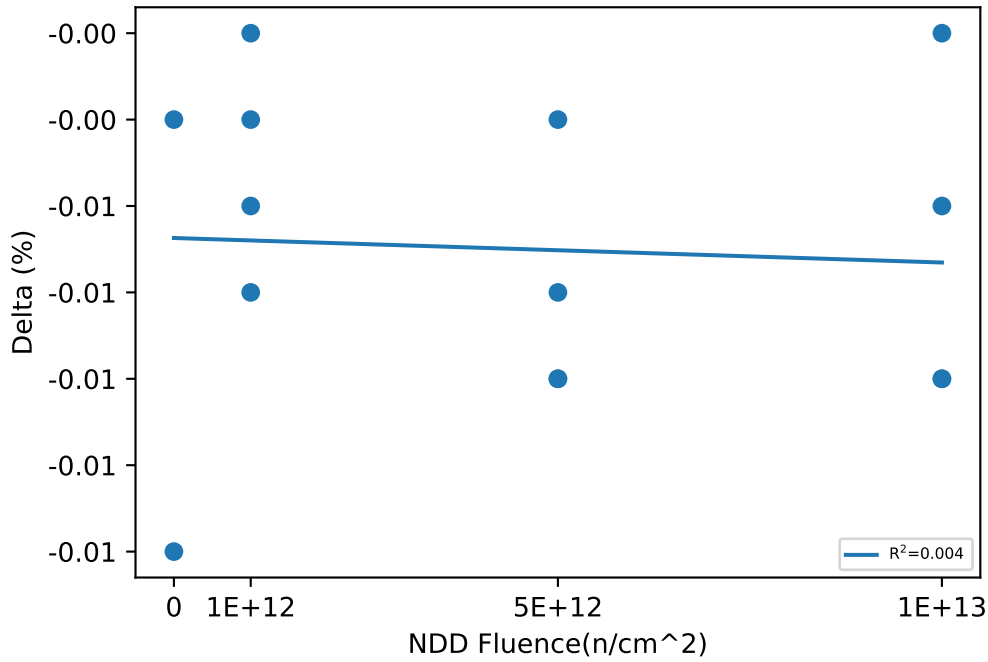
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.034	2.025	-0.009
301	0	Correlation	2.007	2.003	-0.004
353	1e+12	NDD Unbiased	1.986	1.981	-0.005
354	1e+12	NDD Unbiased	2.02	2.014	-0.006
355	1e+12	NDD Unbiased	2.014	2.01	-0.004
356	1e+12	NDD Unbiased	2.031	2.028	-0.003
357	5e+12	NDD Unbiased	1.989	1.982	-0.007
358	5e+12	NDD Unbiased	2.03	2.023	-0.007
359	5e+12	NDD Unbiased	2.072	2.066	-0.006
360	5e+12	NDD Unbiased	2.084	2.08	-0.004
361	1e+13	NDD Unbiased	2.033	2.026	-0.007
362	1e+13	NDD Unbiased	2.035	2.032	-0.003
363	1e+13	NDD Unbiased	2.021	2.014	-0.007
364	1e+13	NDD Unbiased	1.992	1.987	-0.005

NDD vs Post - Pre Exposure Delta

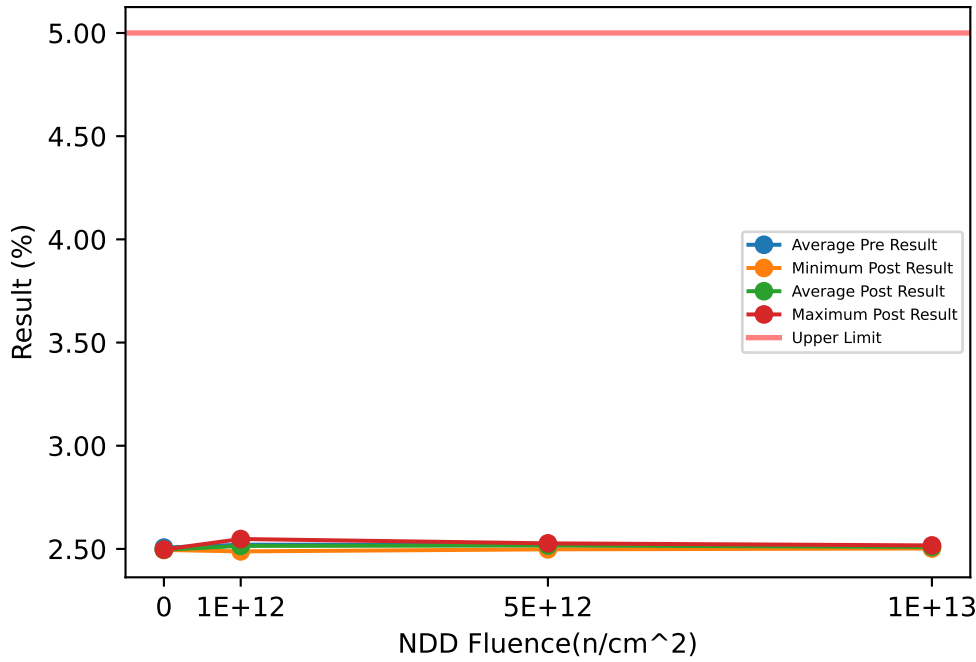


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.007	2.0205	2.034	0.019092	2.003	2.014	2.025	0.015556	-0.009	-0.0065	-0.004	0.0035355
1e+12	1.986	2.0128	2.031	0.019172	1.981	2.0082	2.028	0.019738	-0.006	-0.0045	-0.003	0.001291
5e+12	1.989	2.0438	2.084	0.043223	1.982	2.0377	2.08	0.04438	-0.007	-0.006	-0.004	0.0014142
1e+13	1.992	2.0202	2.035	0.019822	1.987	2.0147	2.032	0.019956	-0.007	-0.0055	-0.003	0.0019149

Device Test: 6.71 ; VOL_RESET_2MA

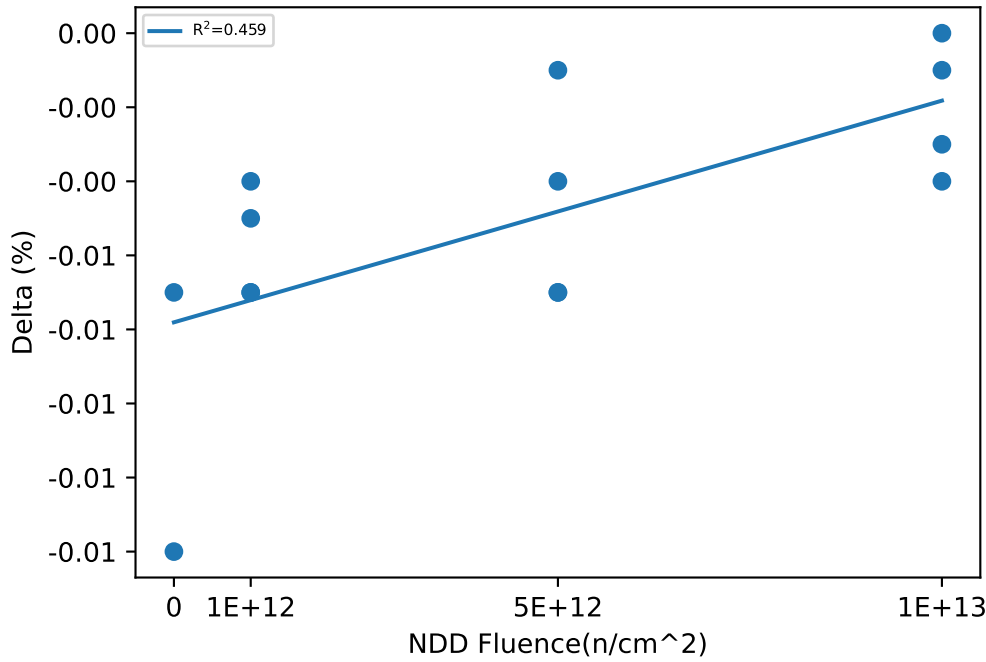
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.509	2.495	-0.014
301	0	Correlation	2.504	2.497	-0.007
353	1e+12	NDD Unbiased	2.495	2.488	-0.007
354	1e+12	NDD Unbiased	2.555	2.548	-0.007
355	1e+12	NDD Unbiased	2.518	2.513	-0.005
356	1e+12	NDD Unbiased	2.513	2.509	-0.004
357	5e+12	NDD Unbiased	2.505	2.498	-0.007
358	5e+12	NDD Unbiased	2.534	2.527	-0.007
359	5e+12	NDD Unbiased	2.53	2.526	-0.004
360	5e+12	NDD Unbiased	2.517	2.516	-0.001
361	1e+13	NDD Unbiased	2.514	2.51	-0.004
362	1e+13	NDD Unbiased	2.518	2.517	-0.001
363	1e+13	NDD Unbiased	2.505	2.502	-0.003
364	1e+13	NDD Unbiased	2.509	2.509	0

NDD vs Post - Pre Exposure Delta

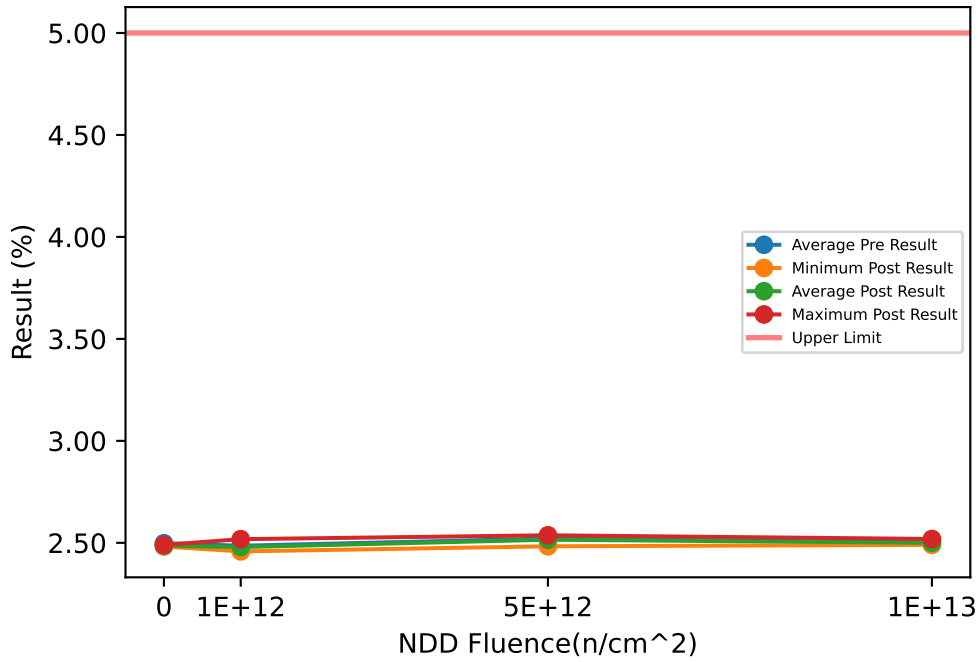


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.504	2.5065	2.509	0.0035355	2.495	2.496	2.497	0.0014142	-0.014	-0.0105	-0.007	0.0049497
1e+12	2.495	2.5202	2.555	0.025184	2.488	2.5145	2.548	0.02488	-0.007	-0.00575	-0.004	0.0015
5e+12	2.505	2.5215	2.534	0.013178	2.498	2.5168	2.527	0.013451	-0.007	-0.00475	-0.001	0.0028723
1e+13	2.505	2.5115	2.518	0.0056862	2.502	2.5095	2.517	0.0061373	-0.004	-0.002	0	0.0018257

Device Test: 6.72 ; VOL_RESET_2MA

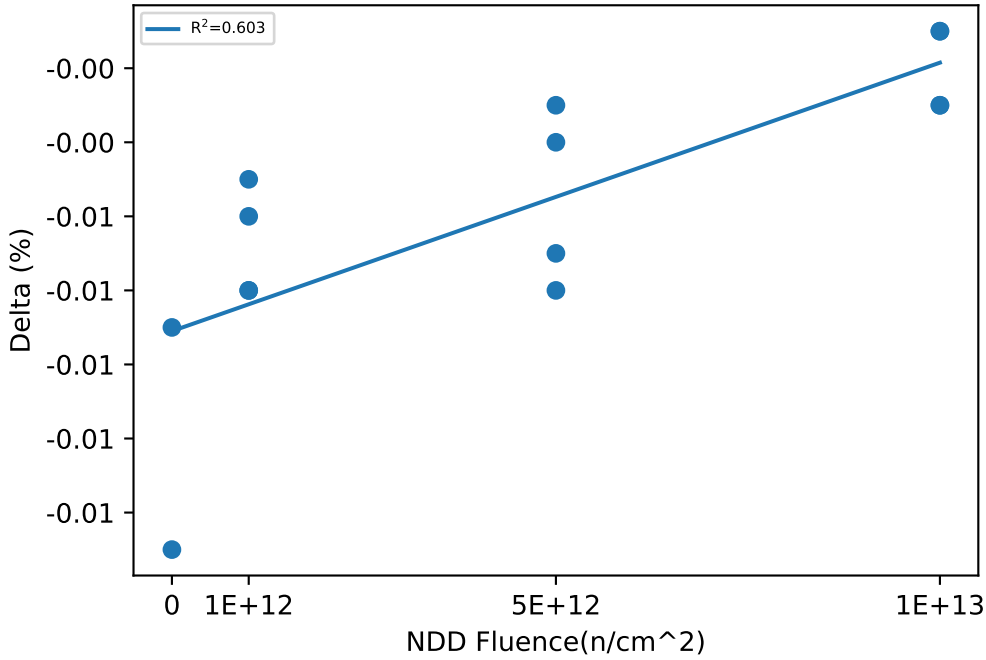
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.505	2.49	-0.015
301	0	Correlation	2.491	2.482	-0.009
353	1e+12	NDD Unbiased	2.466	2.458	-0.008
354	1e+12	NDD Unbiased	2.483	2.475	-0.008
355	1e+12	NDD Unbiased	2.471	2.465	-0.006
356	1e+12	NDD Unbiased	2.523	2.518	-0.005
357	5e+12	NDD Unbiased	2.49	2.483	-0.007
358	5e+12	NDD Unbiased	2.516	2.508	-0.008
359	5e+12	NDD Unbiased	2.541	2.537	-0.004
360	5e+12	NDD Unbiased	2.536	2.533	-0.003
361	1e+13	NDD Unbiased	2.522	2.519	-0.003
362	1e+13	NDD Unbiased	2.493	2.492	-0.001
363	1e+13	NDD Unbiased	2.502	2.499	-0.003
364	1e+13	NDD Unbiased	2.491	2.49	-0.001

NDD vs Post - Pre Exposure Delta

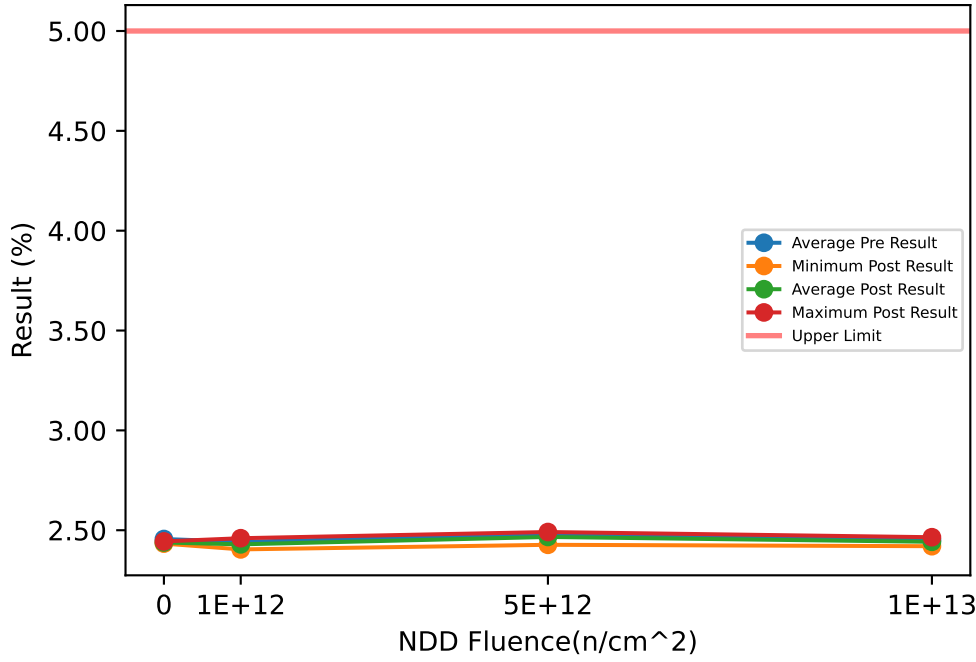


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.491	2.498	2.505	0.0098995	2.482	2.486	2.49	0.0056569	-0.015	-0.012	-0.009	0.0042426
1e+12	2.466	2.4858	2.523	0.025838	2.458	2.479	2.518	0.02692	-0.008	-0.00675	-0.005	0.0015
5e+12	2.49	2.5208	2.541	0.023171	2.483	2.5152	2.537	0.025038	-0.008	-0.0055	-0.003	0.0023805
1e+13	2.491	2.502	2.522	0.014166	2.49	2.5	2.519	0.013241	-0.003	-0.002	-0.001	0.0011547

Device Test: 6.73 ; VOL_RESET_2MA

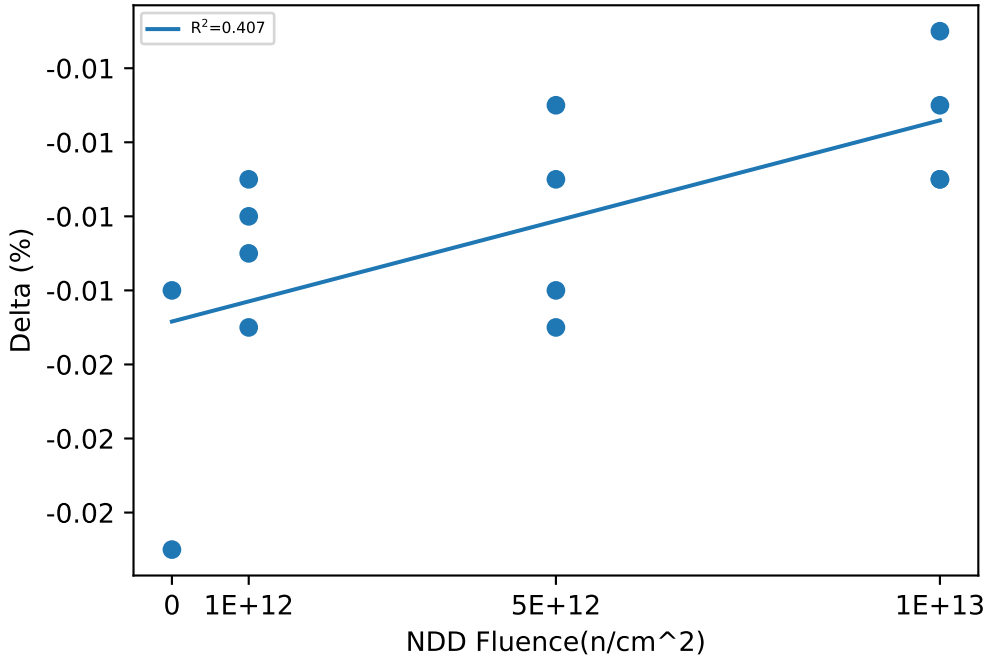
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.465	2.444	-0.021
301	0	Correlation	2.447	2.433	-0.014
353	1e+12	NDD Unbiased	2.419	2.404	-0.015
354	1e+12	NDD Unbiased	2.449	2.436	-0.013
355	1e+12	NDD Unbiased	2.428	2.417	-0.011
356	1e+12	NDD Unbiased	2.472	2.46	-0.012
357	5e+12	NDD Unbiased	2.442	2.427	-0.015
358	5e+12	NDD Unbiased	2.478	2.464	-0.014
359	5e+12	NDD Unbiased	2.502	2.491	-0.011
360	5e+12	NDD Unbiased	2.492	2.483	-0.009
361	1e+13	NDD Unbiased	2.476	2.465	-0.011
362	1e+13	NDD Unbiased	2.439	2.43	-0.009
363	1e+13	NDD Unbiased	2.464	2.453	-0.011
364	1e+13	NDD Unbiased	2.427	2.42	-0.007

NDD vs Post - Pre Exposure Delta

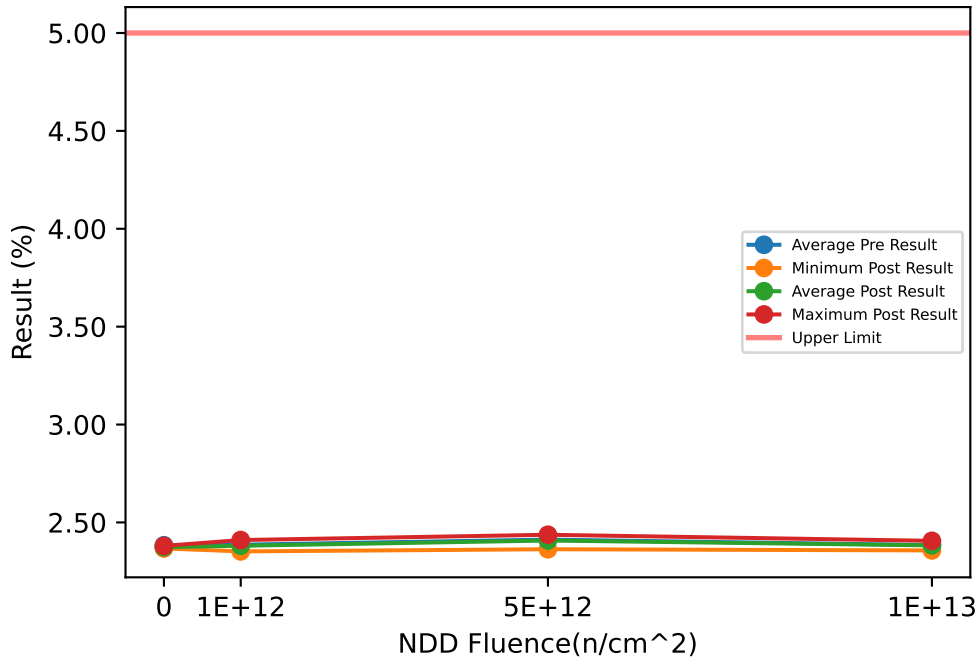


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.447	2.456	2.465	0.012728	2.433	2.4385	2.444	0.0077782	-0.021	-0.0175	-0.014	0.0049497
1e+12	2.419	2.442	2.472	0.023622	2.404	2.4292	2.46	0.02435	-0.015	-0.01275	-0.011	0.0017078
5e+12	2.442	2.4785	2.502	0.026249	2.427	2.4663	2.491	0.028512	-0.015	-0.01225	-0.009	0.0027538
1e+13	2.427	2.4515	2.476	0.022457	2.42	2.442	2.465	0.02064	-0.011	-0.0095	-0.007	0.0019149

Device Test: 6.74 ; VOL_RESET_2MA

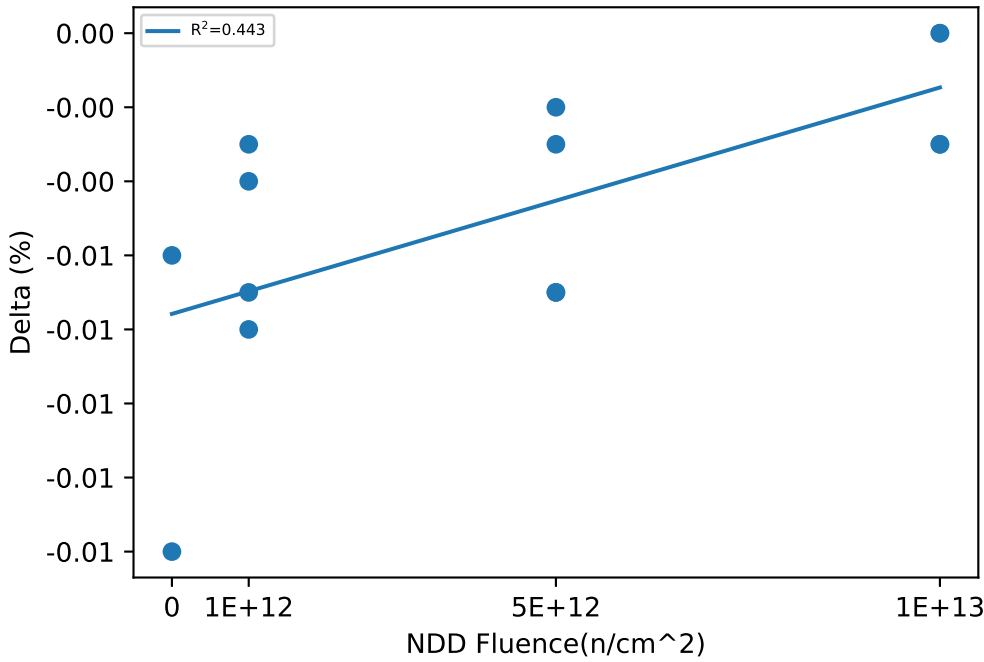
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	2.394	2.38	-0.014
301	0	Correlation	2.373	2.367	-0.006
353	1e+12	NDD Unbiased	2.359	2.352	-0.007
354	1e+12	NDD Unbiased	2.406	2.398	-0.008
355	1e+12	NDD Unbiased	2.367	2.363	-0.004
356	1e+12	NDD Unbiased	2.413	2.41	-0.003
357	5e+12	NDD Unbiased	2.37	2.363	-0.007
358	5e+12	NDD Unbiased	2.412	2.405	-0.007
359	5e+12	NDD Unbiased	2.44	2.437	-0.003
360	5e+12	NDD Unbiased	2.427	2.425	-0.002
361	1e+13	NDD Unbiased	2.409	2.406	-0.003
362	1e+13	NDD Unbiased	2.377	2.377	0
363	1e+13	NDD Unbiased	2.394	2.391	-0.003
364	1e+13	NDD Unbiased	2.357	2.357	0

NDD vs Post - Pre Exposure Delta

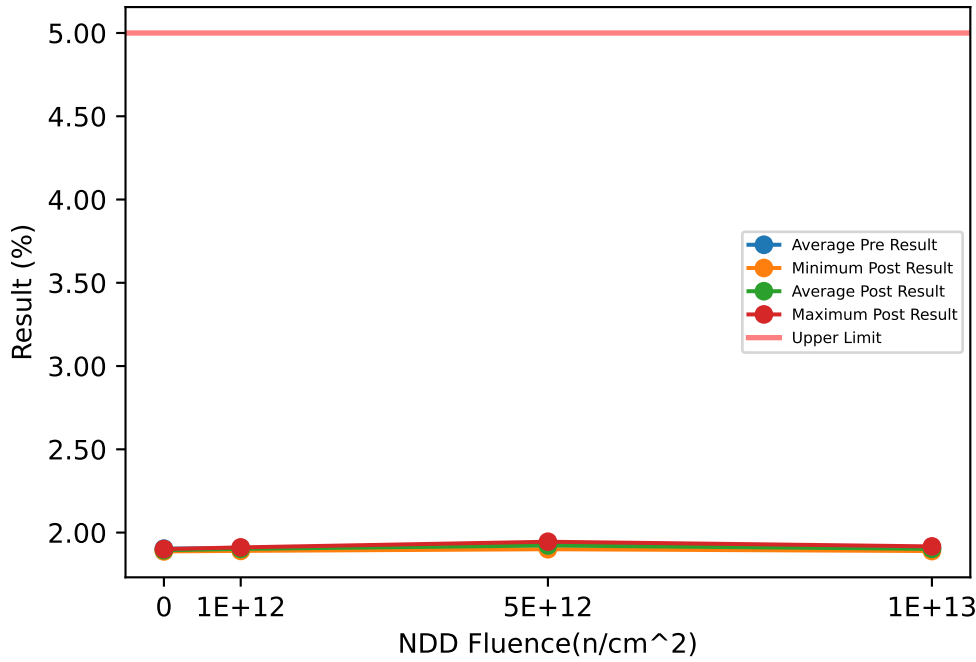


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.373	2.3835	2.394	0.014849	2.367	2.3735	2.38	0.0091924	-0.014	-0.01	-0.006	0.0056569
1e+12	2.359	2.3862	2.413	0.027195	2.352	2.3807	2.41	0.027657	-0.008	-0.0055	-0.003	0.0023805
5e+12	2.37	2.4123	2.44	0.030401	2.363	2.4075	2.437	0.03247	-0.007	-0.00475	-0.002	0.00263
1e+13	2.357	2.3842	2.409	0.022381	2.357	2.3828	2.406	0.020855	-0.003	-0.0015	0	0.0017321

Device Test: 6.75 ; VOL_WDO_2MA

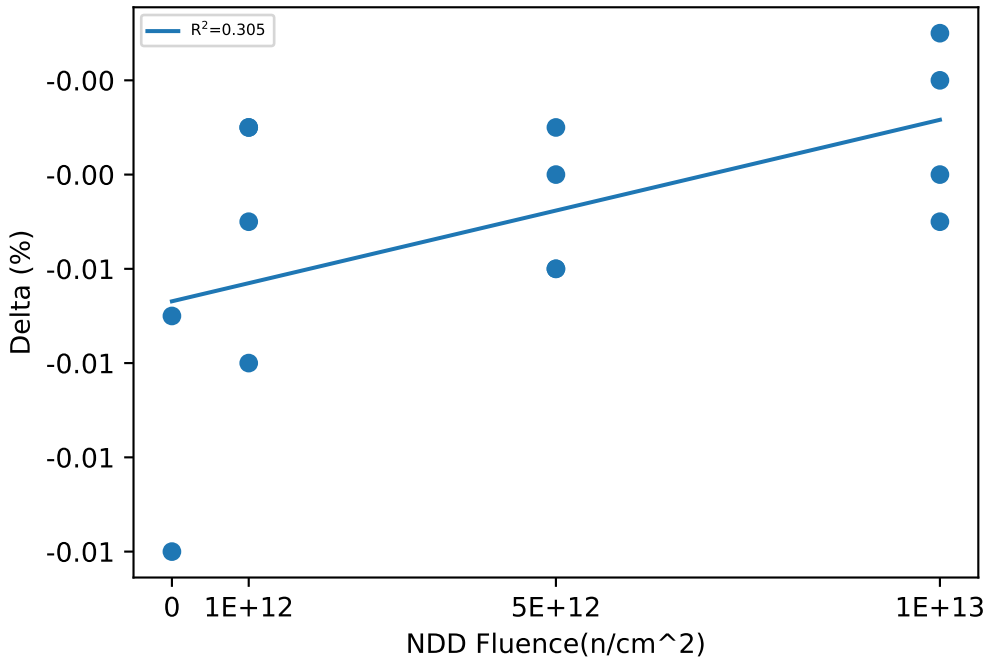
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.913	1.901	-0.012
301	0	Correlation	1.894	1.887	-0.007
353	1e+12	NDD Unbiased	1.898	1.89	-0.008
354	1e+12	NDD Unbiased	1.916	1.911	-0.005
355	1e+12	NDD Unbiased	1.902	1.899	-0.003
356	1e+12	NDD Unbiased	1.911	1.908	-0.003
357	5e+12	NDD Unbiased	1.906	1.9	-0.006
358	5e+12	NDD Unbiased	1.912	1.906	-0.006
359	5e+12	NDD Unbiased	1.943	1.939	-0.004
360	5e+12	NDD Unbiased	1.948	1.945	-0.003
361	1e+13	NDD Unbiased	1.912	1.908	-0.004
362	1e+13	NDD Unbiased	1.919	1.917	-0.002
363	1e+13	NDD Unbiased	1.9	1.895	-0.005
364	1e+13	NDD Unbiased	1.89	1.889	-0.001

NDD vs Post - Pre Exposure Delta

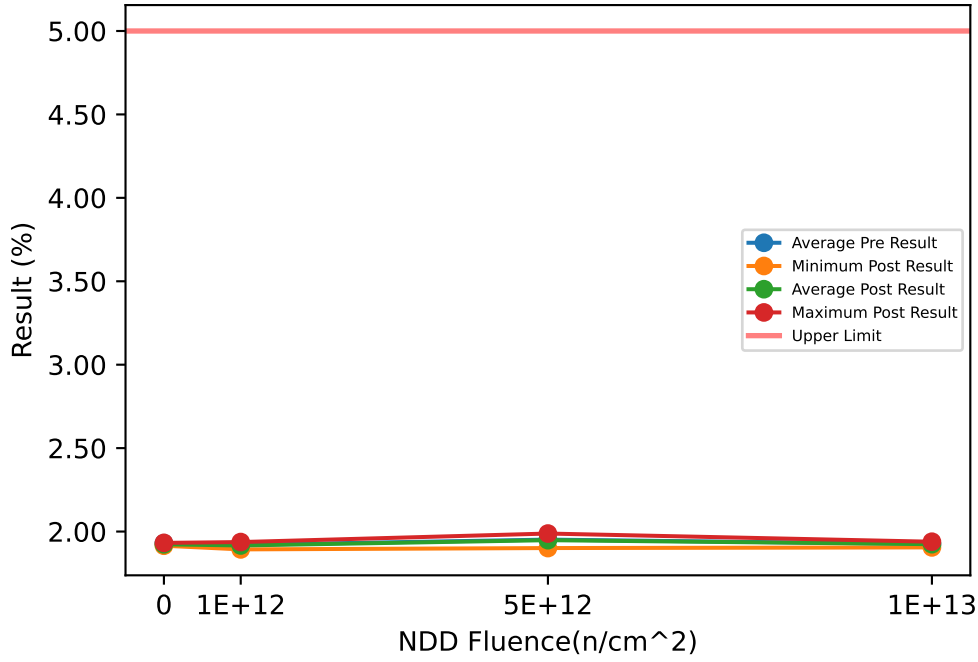


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.894	1.9035	1.913	0.013435	1.887	1.894	1.901	0.0098995	-0.012	-0.0095	-0.007	0.0035355
1e+12	1.898	1.9067	1.916	0.0082209	1.89	1.902	1.911	0.0094868	-0.008	-0.00475	-0.003	0.0023629
5e+12	1.906	1.9272	1.948	0.021313	1.9	1.9225	1.945	0.022782	-0.006	-0.00475	-0.003	0.0015
1e+13	1.89	1.9052	1.919	0.012842	1.889	1.9022	1.917	0.012633	-0.005	-0.003	-0.001	0.0018257

Device Test: 6.76 ; VOL_PWRGD_2MA

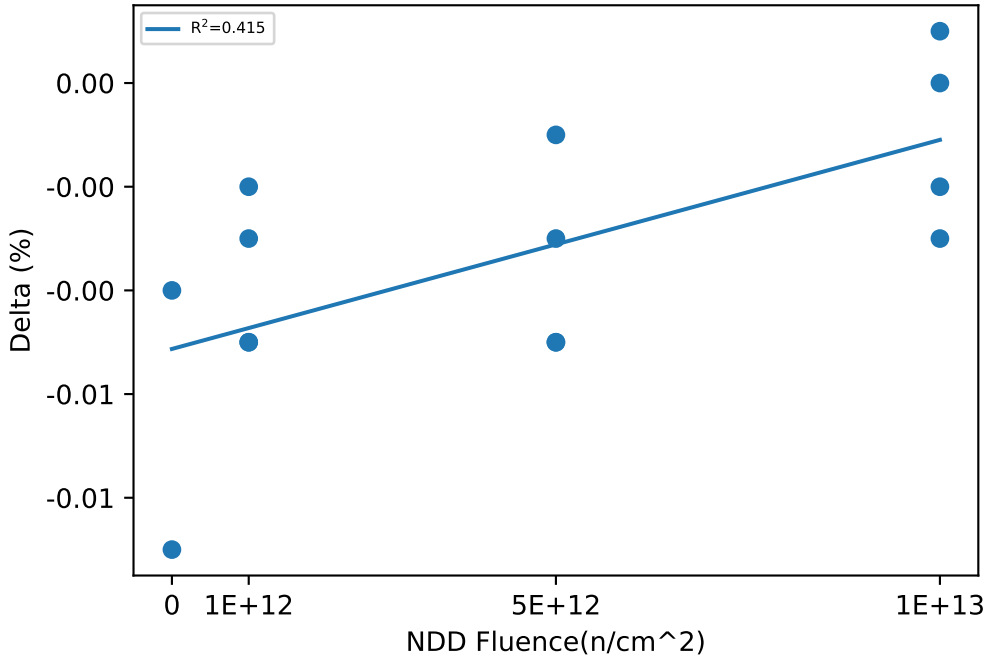
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm^2)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	1.941	1.932	-0.009
301	0	Correlation	1.919	1.915	-0.004
353	1e+12	NDD Unbiased	1.898	1.893	-0.005
354	1e+12	NDD Unbiased	1.926	1.921	-0.005
355	1e+12	NDD Unbiased	1.918	1.915	-0.003
356	1e+12	NDD Unbiased	1.939	1.937	-0.002
357	5e+12	NDD Unbiased	1.906	1.901	-0.005
358	5e+12	NDD Unbiased	1.938	1.933	-0.005
359	5e+12	NDD Unbiased	1.974	1.971	-0.003
360	5e+12	NDD Unbiased	1.989	1.988	-0.001
361	1e+13	NDD Unbiased	1.936	1.934	-0.002
362	1e+13	NDD Unbiased	1.939	1.939	0
363	1e+13	NDD Unbiased	1.922	1.919	-0.003
364	1e+13	NDD Unbiased	1.904	1.905	0.001

NDD vs Post - Pre Exposure Delta

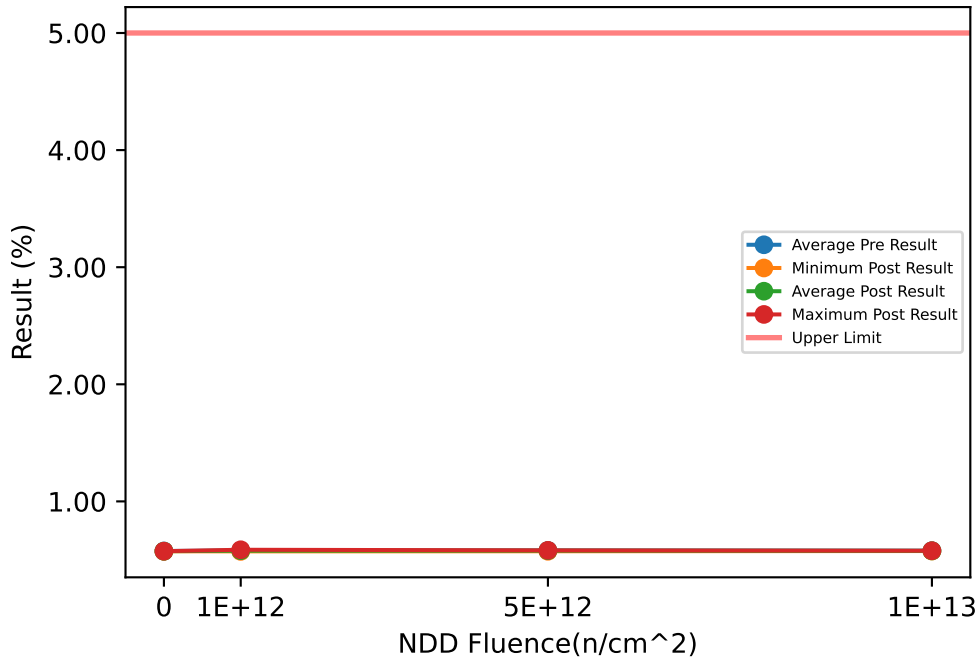


Test Statistics (%)

Fluence(n/cm^2)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.919	1.93	1.941	0.015556	1.915	1.9235	1.932	0.012021	-0.009	-0.0065	-0.004	0.0035355
1e+12	1.898	1.9203	1.939	0.017173	1.893	1.9165	1.937	0.018212	-0.005	-0.00375	-0.002	0.0015
5e+12	1.906	1.9518	1.989	0.037259	1.901	1.9483	1.988	0.038999	-0.005	-0.0035	-0.001	0.0019149
1e+13	1.904	1.9252	1.939	0.015987	1.905	1.9243	1.939	0.015392	-0.003	-0.001	0.001	0.0018257

Device Test: 6.77 ; VOL_RESET_2MA

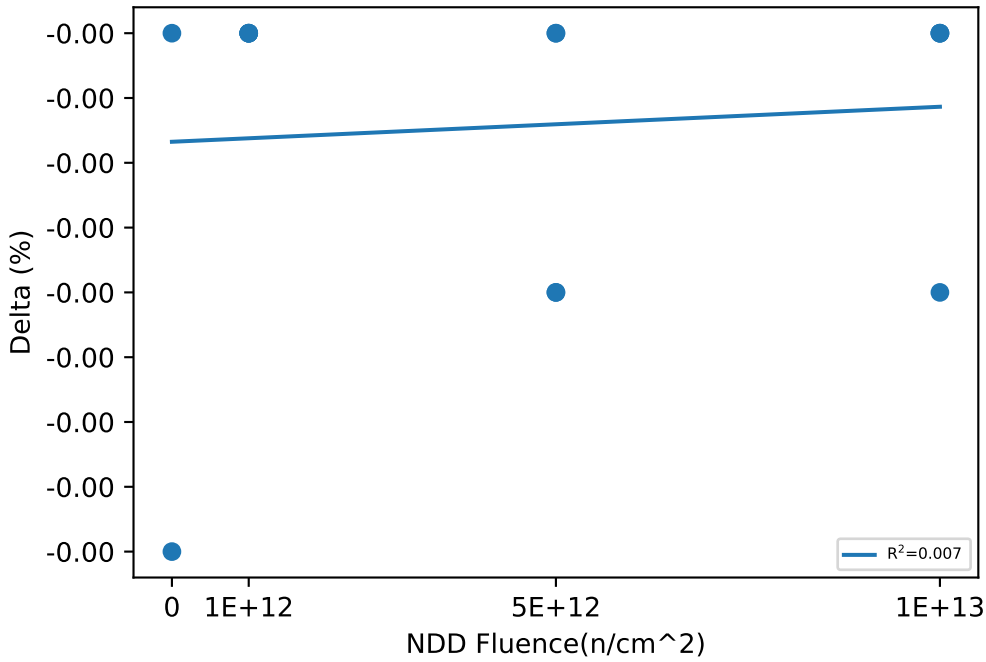
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.578	0.575	-0.003
301	0	Correlation	0.575	0.574	-0.001
353	1e+12	NDD Unbiased	0.574	0.573	-0.001
354	1e+12	NDD Unbiased	0.588	0.587	-0.001
355	1e+12	NDD Unbiased	0.58	0.579	-0.001
356	1e+12	NDD Unbiased	0.578	0.577	-0.001
357	5e+12	NDD Unbiased	0.576	0.574	-0.002
358	5e+12	NDD Unbiased	0.584	0.582	-0.002
359	5e+12	NDD Unbiased	0.583	0.582	-0.001
360	5e+12	NDD Unbiased	0.58	0.579	-0.001
361	1e+13	NDD Unbiased	0.58	0.578	-0.002
362	1e+13	NDD Unbiased	0.58	0.579	-0.001
363	1e+13	NDD Unbiased	0.578	0.577	-0.001
364	1e+13	NDD Unbiased	0.577	0.576	-0.001

NDD vs Post - Pre Exposure Delta

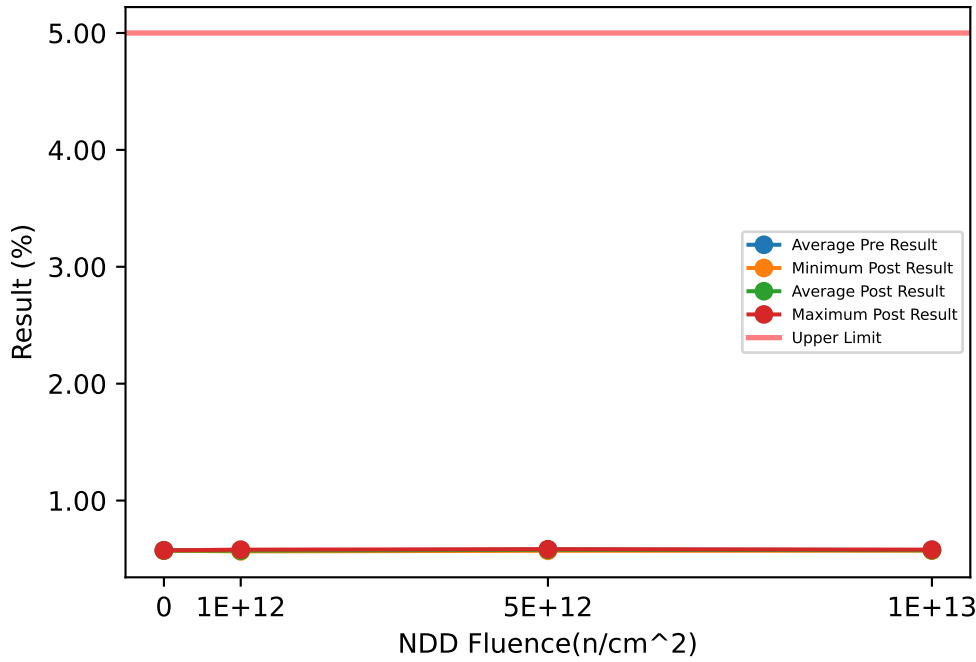


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.575	0.5765	0.578	0.0021213	0.574	0.5745	0.575	0.00070711	-0.003	-0.002	-0.001	0.0014142
1e+12	0.574	0.58	0.588	0.0058878	0.573	0.579	0.587	0.0058878	-0.001	-0.001	-0.001	0
5e+12	0.576	0.58075	0.584	0.003594	0.574	0.57925	0.582	0.0037749	-0.002	-0.0015	-0.001	0.00057735
1e+13	0.577	0.57875	0.58	0.0015	0.576	0.5775	0.579	0.001291	-0.002	-0.00125	-0.001	0.0005

Device Test: 6.78 ; VOL_RESET_2MA

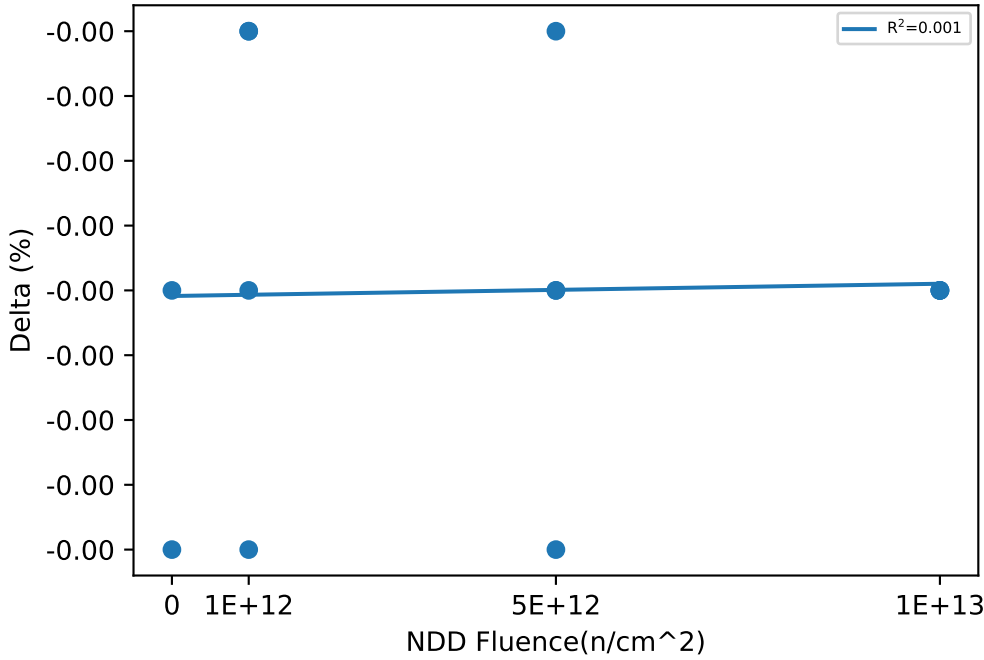
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.577	0.574	-0.003
301	0	Correlation	0.573	0.571	-0.002
353	1e+12	NDD Unbiased	0.568	0.565	-0.003
354	1e+12	NDD Unbiased	0.572	0.57	-0.002
355	1e+12	NDD Unbiased	0.57	0.569	-0.001
356	1e+12	NDD Unbiased	0.581	0.58	-0.001
357	5e+12	NDD Unbiased	0.573	0.57	-0.003
358	5e+12	NDD Unbiased	0.579	0.577	-0.002
359	5e+12	NDD Unbiased	0.586	0.584	-0.002
360	5e+12	NDD Unbiased	0.585	0.584	-0.001
361	1e+13	NDD Unbiased	0.582	0.58	-0.002
362	1e+13	NDD Unbiased	0.575	0.573	-0.002
363	1e+13	NDD Unbiased	0.578	0.576	-0.002
364	1e+13	NDD Unbiased	0.573	0.571	-0.002

NDD vs Post - Pre Exposure Delta

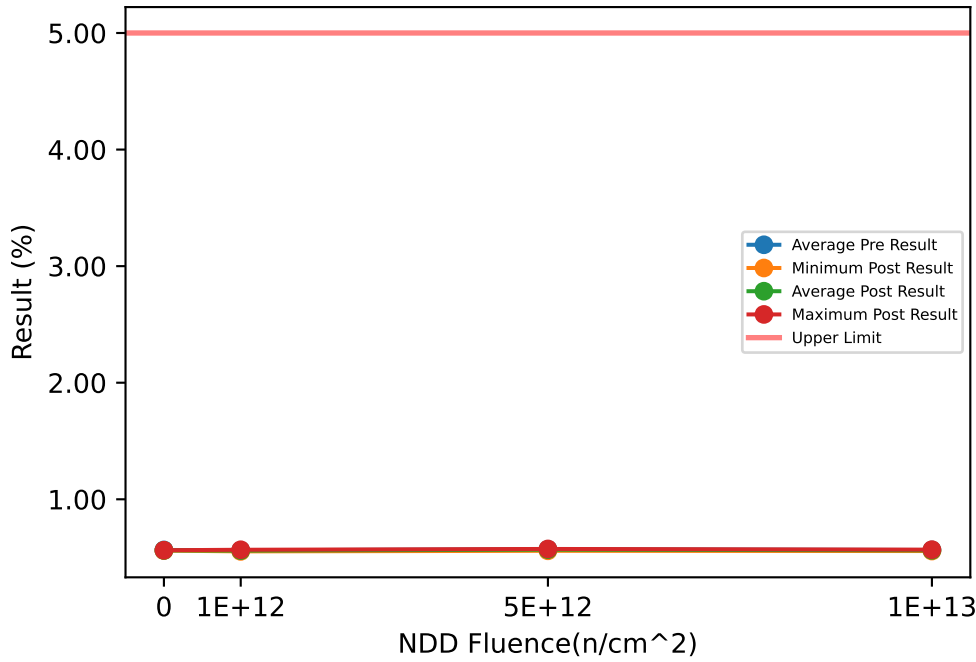


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.573	0.575	0.577	0.0028284	0.571	0.5725	0.574	0.0021213	-0.003	-0.0025	-0.002	0.00070711
1e+12	0.568	0.57275	0.581	0.0057373	0.565	0.571	0.58	0.006377	-0.003	-0.00175	-0.001	0.00095743
5e+12	0.573	0.58075	0.586	0.0060208	0.57	0.57875	0.584	0.006702	-0.003	-0.002	-0.001	0.0008165
1e+13	0.573	0.577	0.582	0.0039158	0.571	0.575	0.58	0.0039158	-0.002	-0.002	-0.002	0

Device Test: 6.79 ; VOL_RESET_2MA

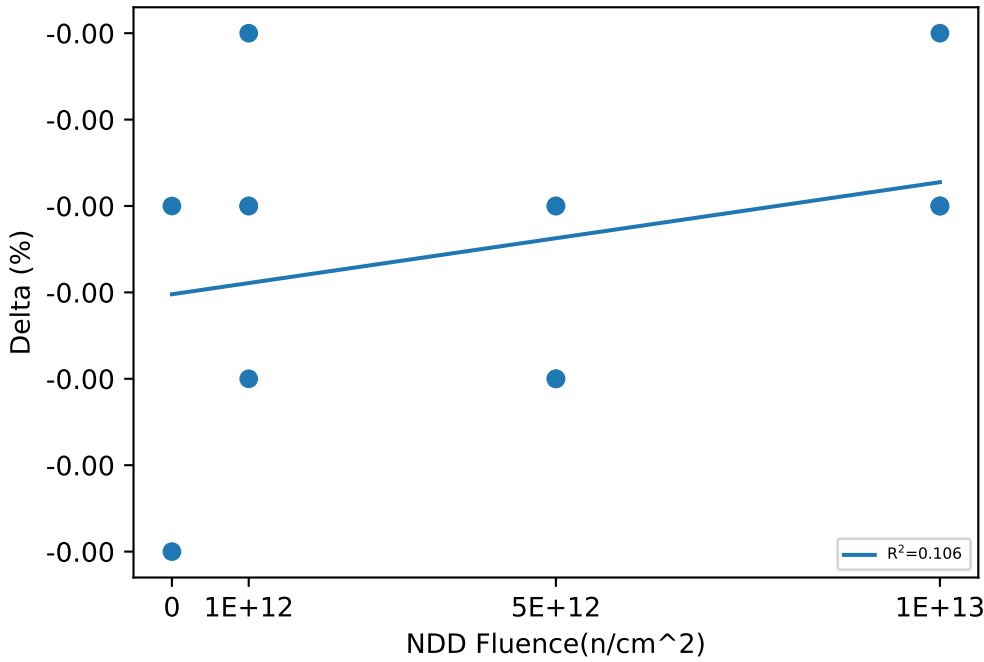
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.568	0.563	-0.005
301	0	Correlation	0.563	0.56	-0.003
353	1e+12	NDD Unbiased	0.557	0.553	-0.004
354	1e+12	NDD Unbiased	0.565	0.562	-0.003
355	1e+12	NDD Unbiased	0.56	0.557	-0.003
356	1e+12	NDD Unbiased	0.569	0.567	-0.002
357	5e+12	NDD Unbiased	0.562	0.558	-0.004
358	5e+12	NDD Unbiased	0.571	0.567	-0.004
359	5e+12	NDD Unbiased	0.577	0.574	-0.003
360	5e+12	NDD Unbiased	0.575	0.572	-0.003
361	1e+13	NDD Unbiased	0.571	0.568	-0.003
362	1e+13	NDD Unbiased	0.562	0.559	-0.003
363	1e+13	NDD Unbiased	0.569	0.566	-0.003
364	1e+13	NDD Unbiased	0.558	0.556	-0.002

NDD vs Post - Pre Exposure Delta

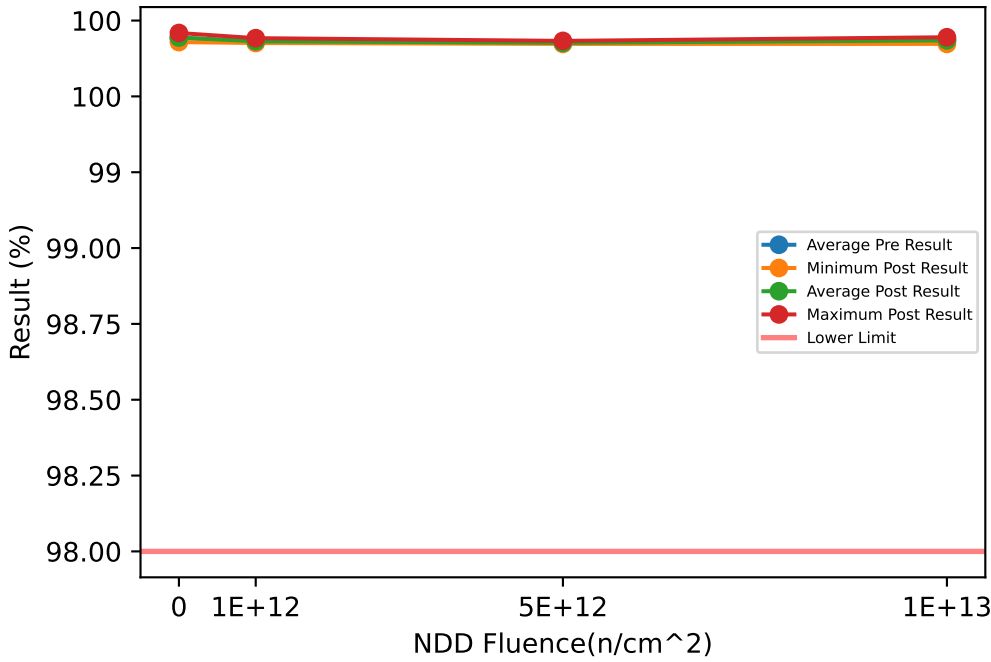


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.563	0.5655	0.568	0.0035355	0.56	0.5615	0.563	0.0021213	-0.005	-0.004	-0.003	0.0014142
1e+12	0.557	0.56275	0.569	0.0053151	0.553	0.55975	0.567	0.0060759	-0.004	-0.003	-0.002	0.0008165
5e+12	0.562	0.57125	0.577	0.0066521	0.558	0.56775	0.574	0.0071356	-0.004	-0.0035	-0.003	0.00057735
1e+13	0.558	0.565	0.571	0.0060553	0.556	0.56225	0.568	0.0056789	-0.003	-0.00275	-0.002	0.0005

Device Test: 6.8 ; VLDO_DO

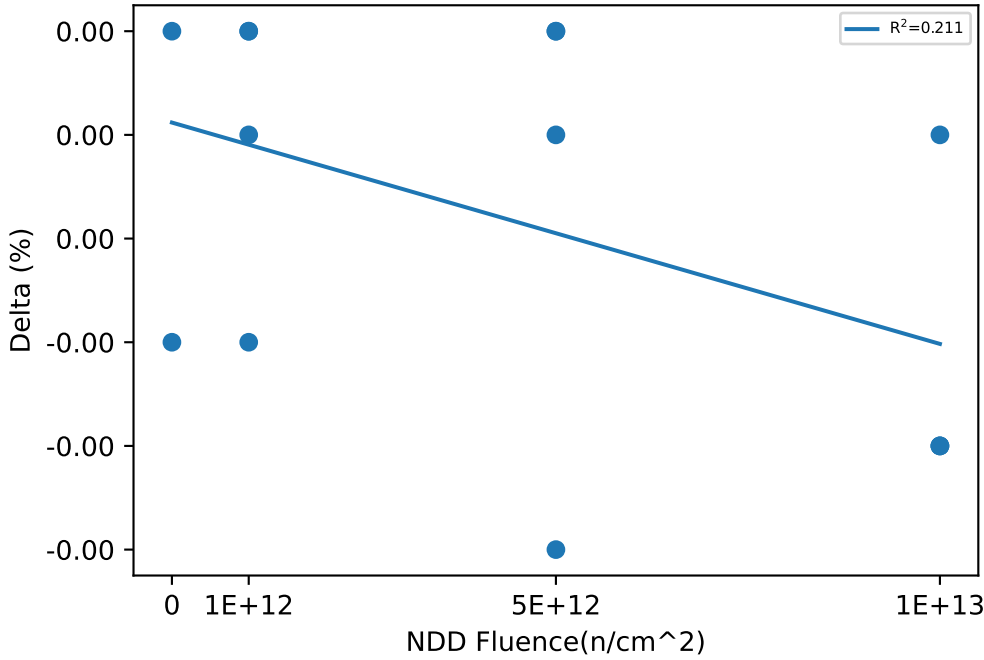
NDD vs Result Stats



Test Results (Lower Limit = 98.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	99.68	99.679	-0.001
301	0	Correlation	99.707	99.709	0.002
353	1e+12	NDD Unbiased	99.691	99.692	0.001
354	1e+12	NDD Unbiased	99.68	99.679	-0.001
355	1e+12	NDD Unbiased	99.674	99.676	0.002
356	1e+12	NDD Unbiased	99.678	99.68	0.002
357	5e+12	NDD Unbiased	99.671	99.673	0.002
358	5e+12	NDD Unbiased	99.671	99.673	0.002
359	5e+12	NDD Unbiased	99.682	99.683	0.001
360	5e+12	NDD Unbiased	99.68	99.677	-0.003
361	1e+13	NDD Unbiased	99.697	99.695	-0.002
362	1e+13	NDD Unbiased	99.679	99.68	0.001
363	1e+13	NDD Unbiased	99.675	99.673	-0.002
364	1e+13	NDD Unbiased	99.693	99.691	-0.002

NDD vs Post - Pre Exposure Delta

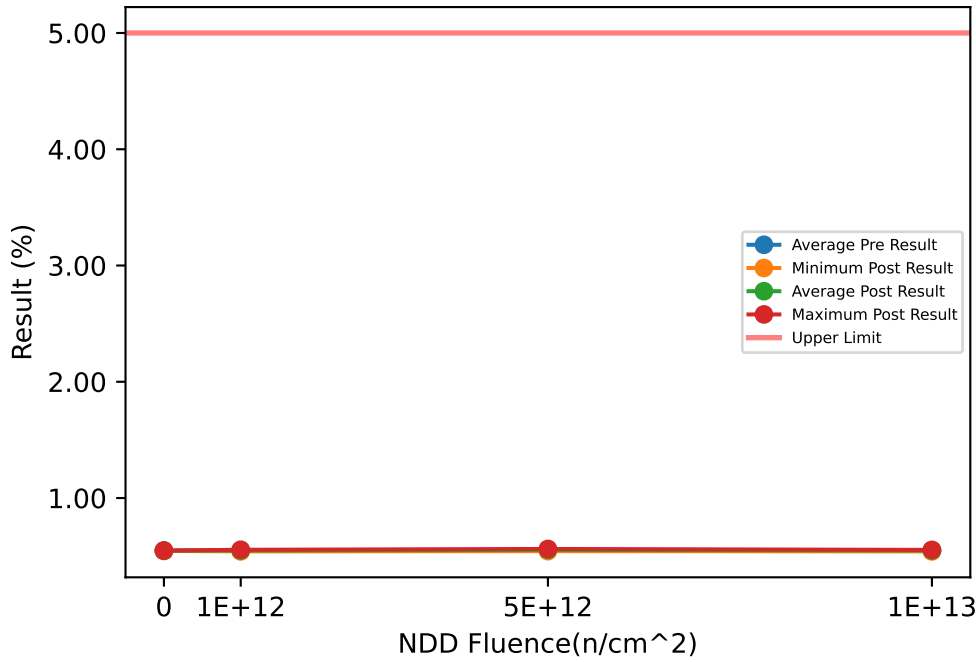


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.68	99.694	99.707	0.019092	99.679	99.694	99.709	0.021213	-0.001	0.0005	0.002	0.0021213
1e+12	99.674	99.681	99.691	0.0072744	99.676	99.682	99.692	0.0070415	-0.001	0.001	0.002	0.0014142
5e+12	99.671	99.676	99.682	0.005831	99.673	99.677	99.683	0.0047258	-0.003	0.0005	0.002	0.0023805
1e+13	99.675	99.686	99.697	0.010646	99.673	99.685	99.695	0.010079	-0.002	-0.00125	0.001	0.0015

Device Test: 6.80 ; VOL_RESET_2MA

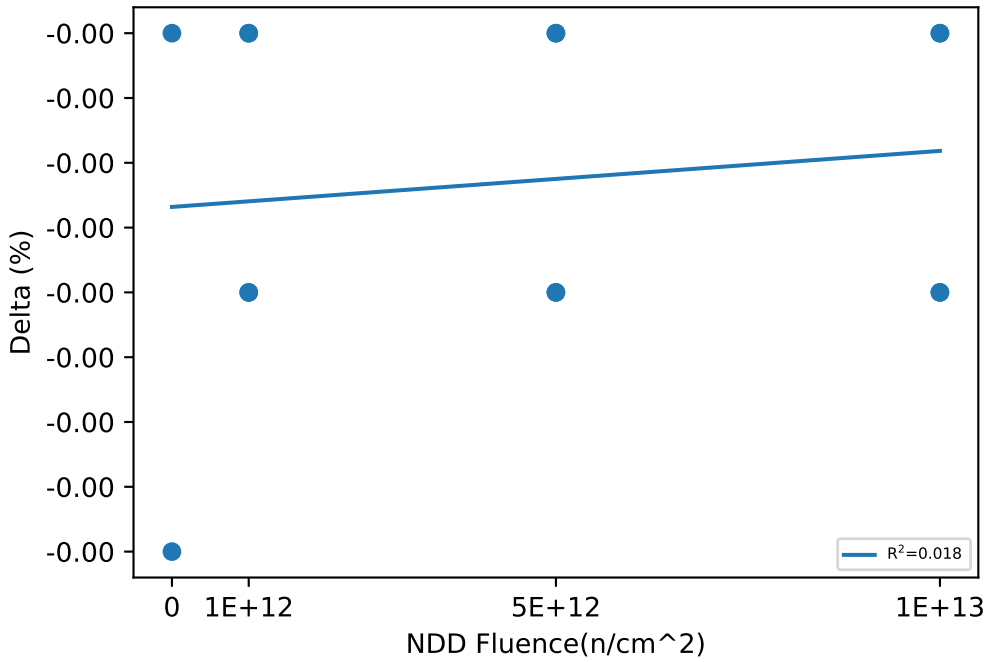
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.551	0.548	-0.003
301	0	Correlation	0.546	0.545	-0.001
353	1e+12	NDD Unbiased	0.543	0.541	-0.002
354	1e+12	NDD Unbiased	0.555	0.553	-0.002
355	1e+12	NDD Unbiased	0.546	0.545	-0.001
356	1e+12	NDD Unbiased	0.556	0.555	-0.001
357	5e+12	NDD Unbiased	0.545	0.543	-0.002
358	5e+12	NDD Unbiased	0.555	0.553	-0.002
359	5e+12	NDD Unbiased	0.563	0.562	-0.001
360	5e+12	NDD Unbiased	0.56	0.559	-0.001
361	1e+13	NDD Unbiased	0.556	0.554	-0.002
362	1e+13	NDD Unbiased	0.548	0.547	-0.001
363	1e+13	NDD Unbiased	0.553	0.551	-0.002
364	1e+13	NDD Unbiased	0.542	0.541	-0.001

NDD vs Post - Pre Exposure Delta

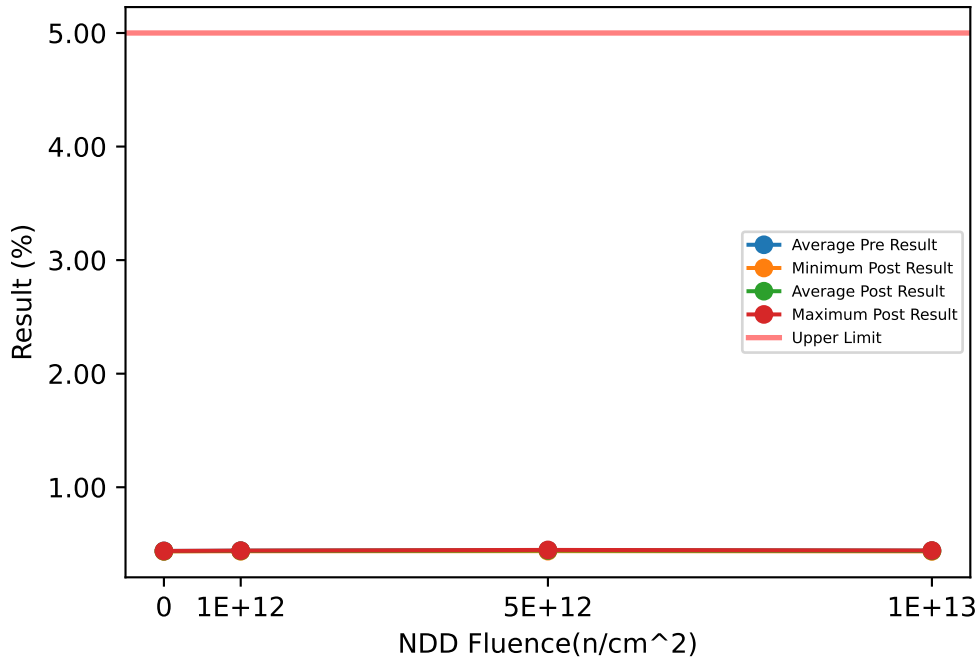


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.546	0.5485	0.551	0.0035355	0.545	0.5465	0.548	0.0021213	-0.003	-0.002	-0.001	0.0014142
1e+12	0.543	0.55	0.556	0.0064807	0.541	0.5485	0.555	0.0066081	-0.002	-0.0015	-0.001	0.00057735
5e+12	0.545	0.55575	0.563	0.0078899	0.543	0.55425	0.562	0.0083815	-0.002	-0.0015	-0.001	0.00057735
1e+13	0.542	0.54975	0.556	0.0061305	0.541	0.54825	0.554	0.0056199	-0.002	-0.0015	-0.001	0.00057735

Device Test: 6.81 ; VOL_WDO_2MA

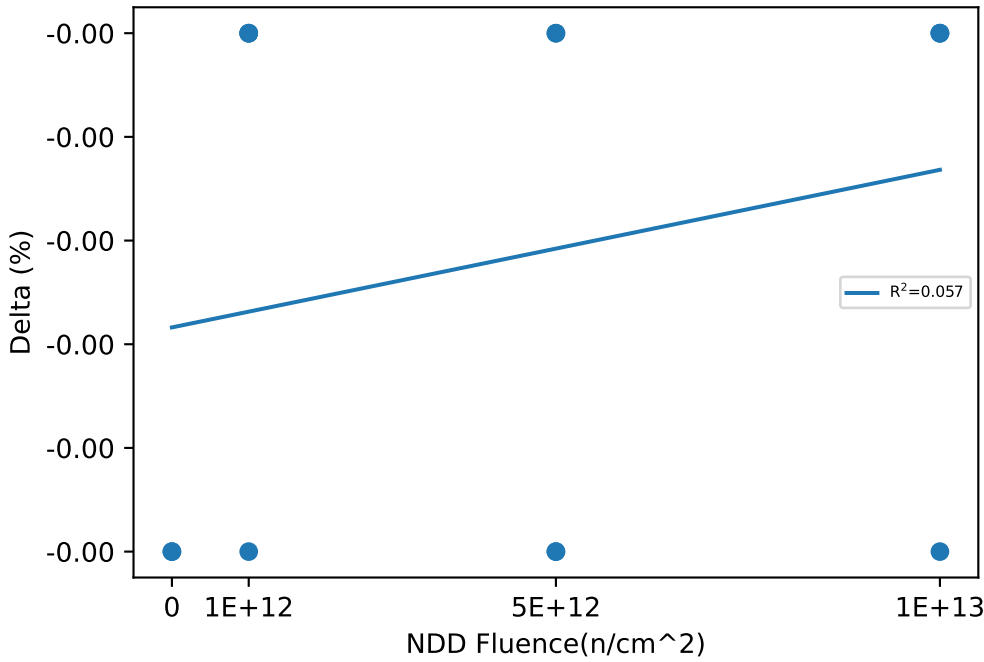
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.441	0.439	-0.002
301	0	Correlation	0.437	0.435	-0.002
353	1e+12	NDD Unbiased	0.438	0.436	-0.002
354	1e+12	NDD Unbiased	0.443	0.442	-0.001
355	1e+12	NDD Unbiased	0.441	0.44	-0.001
356	1e+12	NDD Unbiased	0.441	0.44	-0.001
357	5e+12	NDD Unbiased	0.439	0.437	-0.002
358	5e+12	NDD Unbiased	0.442	0.44	-0.002
359	5e+12	NDD Unbiased	0.449	0.448	-0.001
360	5e+12	NDD Unbiased	0.449	0.448	-0.001
361	1e+13	NDD Unbiased	0.443	0.441	-0.002
362	1e+13	NDD Unbiased	0.444	0.443	-0.001
363	1e+13	NDD Unbiased	0.44	0.439	-0.001
364	1e+13	NDD Unbiased	0.436	0.435	-0.001

NDD vs Post - Pre Exposure Delta

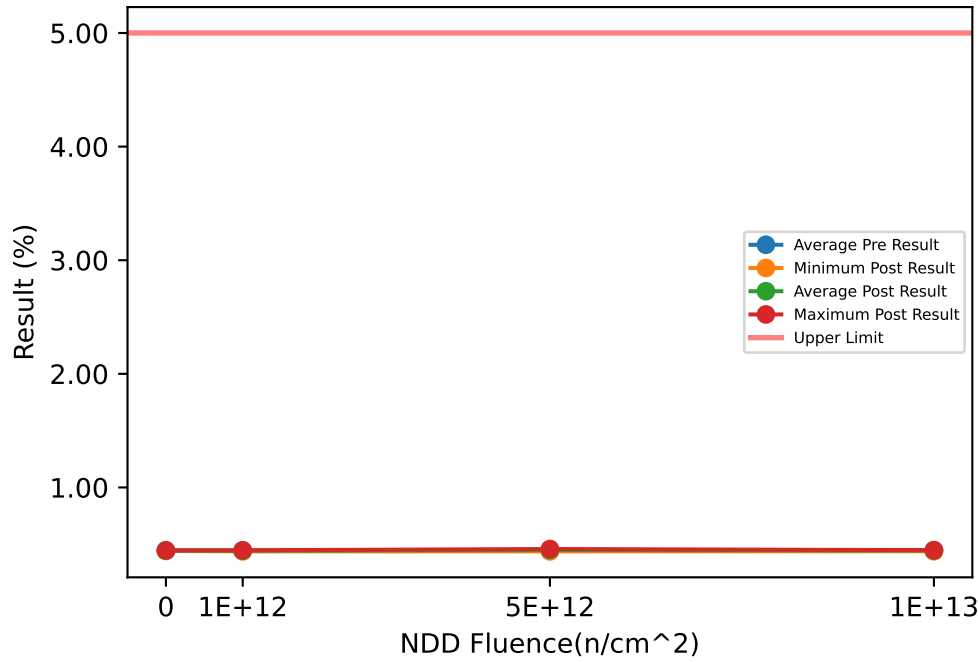


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.437	0.439	0.441	0.0028284	0.435	0.437	0.439	0.0028284	-0.002	-0.002	-0.002	0
1e+12	0.438	0.44075	0.443	0.0020616	0.436	0.4395	0.442	0.0025166	-0.002	-0.00125	-0.001	0.0005
5e+12	0.439	0.44475	0.449	0.005058	0.437	0.44325	0.448	0.0056199	-0.002	-0.0015	-0.001	0.00057735
1e+13	0.436	0.44075	0.444	0.003594	0.435	0.4395	0.443	0.0034157	-0.002	-0.00125	-0.001	0.0005

Device Test: 6.82 ; VOL_PWRGD_2MA

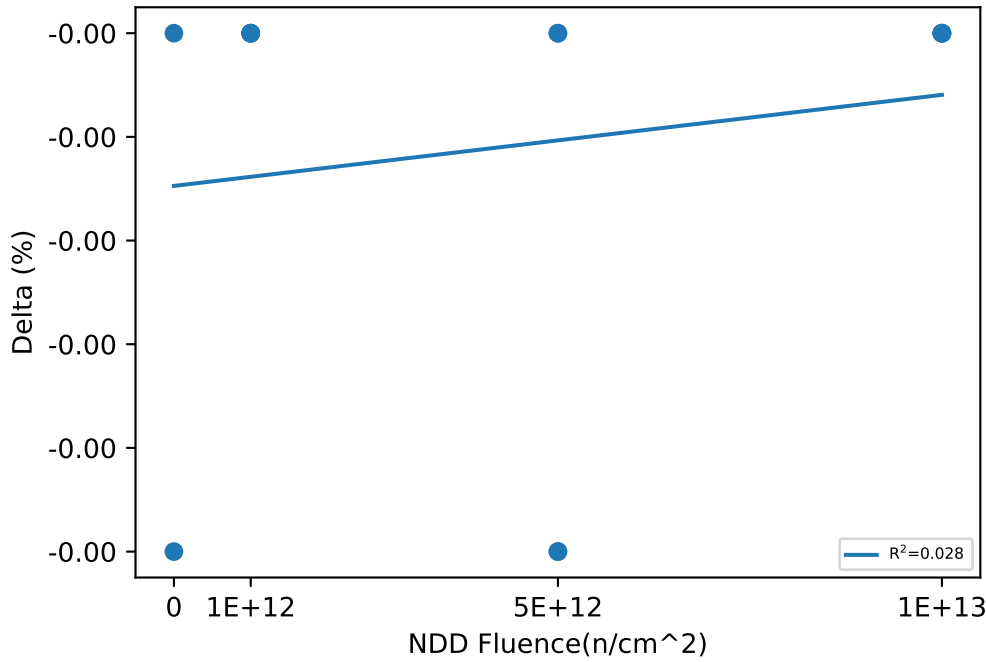
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.448	0.446	-0.002
301	0	Correlation	0.442	0.441	-0.001
353	1e+12	NDD Unbiased	0.438	0.437	-0.001
354	1e+12	NDD Unbiased	0.445	0.444	-0.001
355	1e+12	NDD Unbiased	0.444	0.443	-0.001
356	1e+12	NDD Unbiased	0.448	0.447	-0.001
357	5e+12	NDD Unbiased	0.439	0.437	-0.002
358	5e+12	NDD Unbiased	0.448	0.446	-0.002
359	5e+12	NDD Unbiased	0.456	0.455	-0.001
360	5e+12	NDD Unbiased	0.459	0.458	-0.001
361	1e+13	NDD Unbiased	0.448	0.447	-0.001
362	1e+13	NDD Unbiased	0.449	0.448	-0.001
363	1e+13	NDD Unbiased	0.445	0.444	-0.001
364	1e+13	NDD Unbiased	0.439	0.438	-0.001

NDD vs Post - Pre Exposure Delta

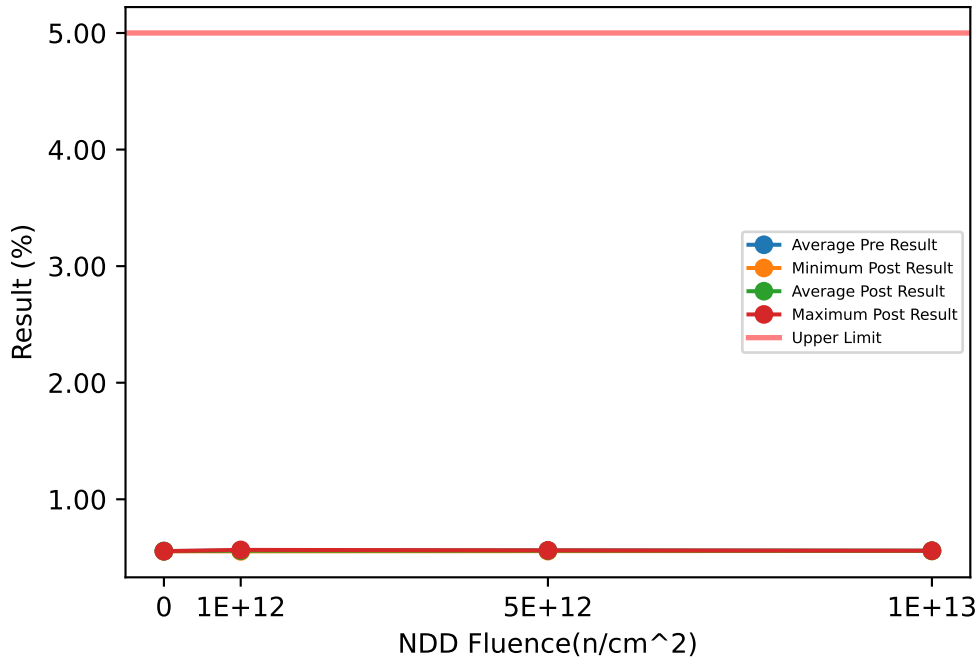


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.442	0.445	0.448	0.0042426	0.441	0.4435	0.446	0.0035355	-0.002	-0.0015	-0.001	0.00070711
1e+12	0.438	0.44375	0.448	0.0041932	0.437	0.44275	0.447	0.0041932	-0.001	-0.001	-0.001	0
5e+12	0.439	0.4505	0.459	0.0089629	0.437	0.449	0.458	0.0094868	-0.002	-0.0015	-0.001	0.00057735
1e+13	0.439	0.44525	0.449	0.0045	0.438	0.44425	0.448	0.0045	-0.001	-0.001	-0.001	0

Device Test: 6.83 ; VOL_RESET_2MA

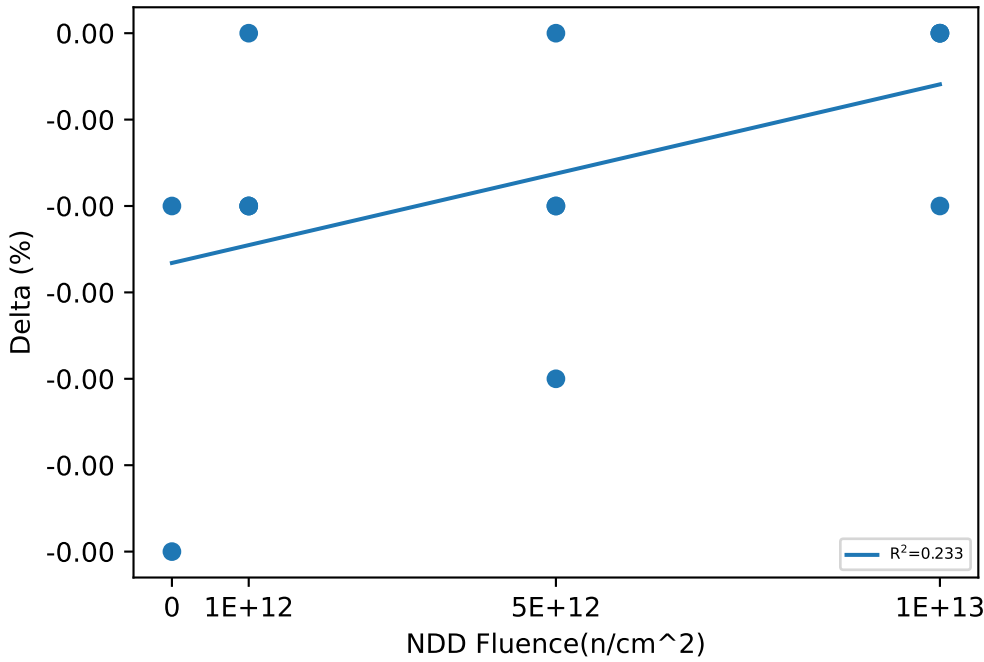
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.557	0.554	-0.003
301	0	Correlation	0.556	0.555	-0.001
353	1e+12	NDD Unbiased	0.554	0.553	-0.001
354	1e+12	NDD Unbiased	0.567	0.566	-0.001
355	1e+12	NDD Unbiased	0.559	0.558	-0.001
356	1e+12	NDD Unbiased	0.558	0.558	0
357	5e+12	NDD Unbiased	0.557	0.555	-0.002
358	5e+12	NDD Unbiased	0.563	0.562	-0.001
359	5e+12	NDD Unbiased	0.562	0.562	0
360	5e+12	NDD Unbiased	0.56	0.559	-0.001
361	1e+13	NDD Unbiased	0.559	0.558	-0.001
362	1e+13	NDD Unbiased	0.559	0.559	0
363	1e+13	NDD Unbiased	0.557	0.557	0
364	1e+13	NDD Unbiased	0.557	0.557	0

NDD vs Post - Pre Exposure Delta

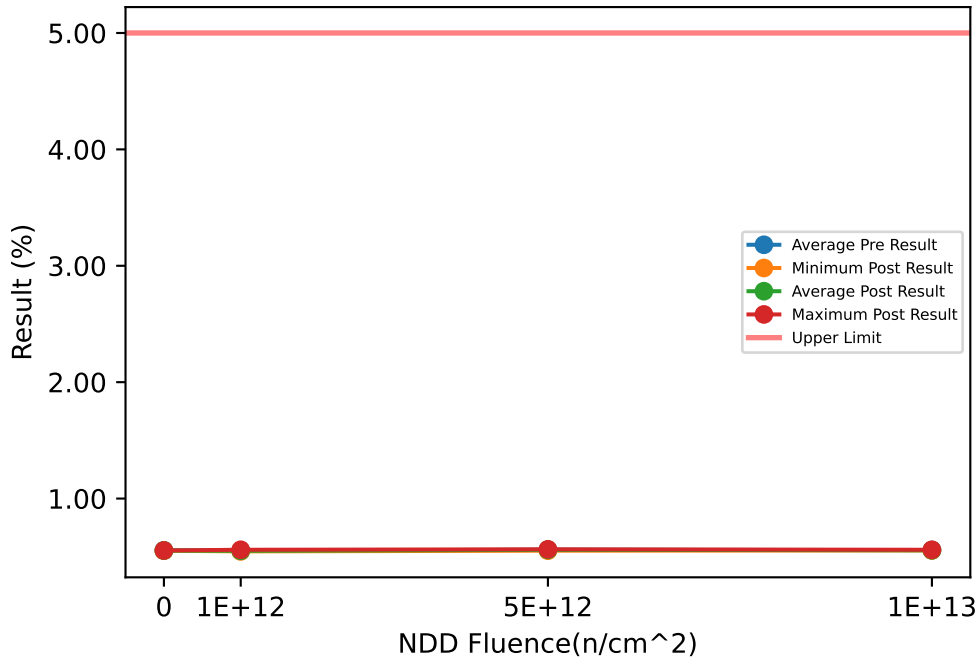


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.556	0.5565	0.557	0.00070711	0.554	0.5545	0.555	0.00070711	-0.003	-0.002	-0.001	0.0014142
1e+12	0.554	0.5595	0.567	0.0054467	0.553	0.55875	0.566	0.0053774	-0.001	-0.00075	0	0.0005
5e+12	0.557	0.5605	0.563	0.0026458	0.555	0.5595	0.562	0.0033166	-0.002	-0.001	0	0.0008165
1e+13	0.557	0.558	0.559	0.0011547	0.557	0.55775	0.559	0.00095743	-0.001	-0.00025	0	0.0005

Device Test: 6.84 ; VOL_RESET_2MA

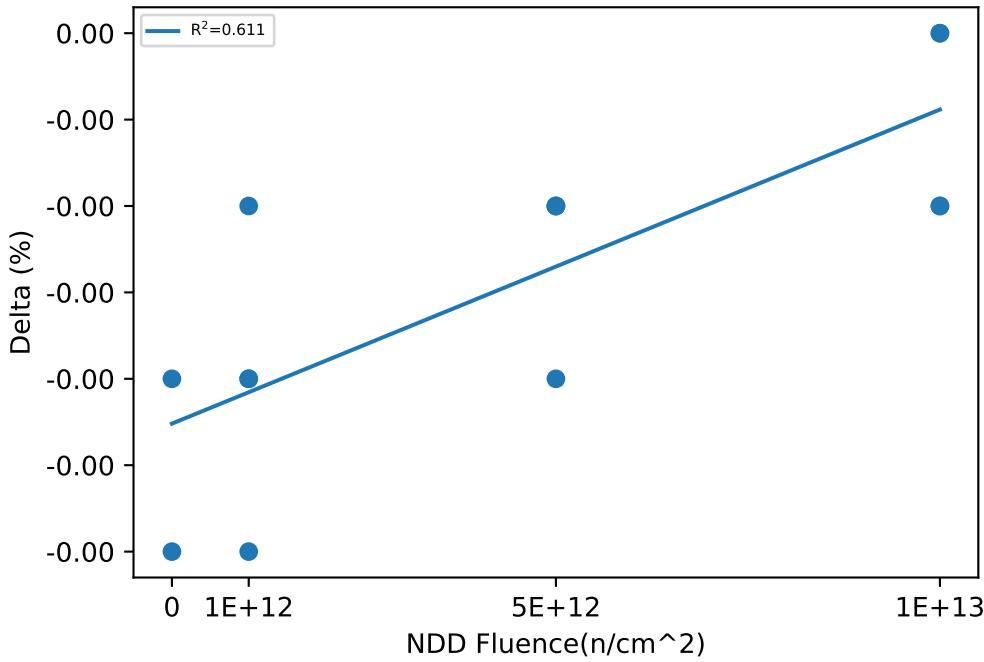
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.557	0.554	-0.003
301	0	Correlation	0.554	0.552	-0.002
353	1e+12	NDD Unbiased	0.549	0.546	-0.003
354	1e+12	NDD Unbiased	0.552	0.55	-0.002
355	1e+12	NDD Unbiased	0.55	0.548	-0.002
356	1e+12	NDD Unbiased	0.561	0.56	-0.001
357	5e+12	NDD Unbiased	0.554	0.552	-0.002
358	5e+12	NDD Unbiased	0.559	0.558	-0.001
359	5e+12	NDD Unbiased	0.565	0.564	-0.001
360	5e+12	NDD Unbiased	0.564	0.563	-0.001
361	1e+13	NDD Unbiased	0.561	0.56	-0.001
362	1e+13	NDD Unbiased	0.554	0.554	0
363	1e+13	NDD Unbiased	0.557	0.556	-0.001
364	1e+13	NDD Unbiased	0.554	0.554	0

NDD vs Post - Pre Exposure Delta

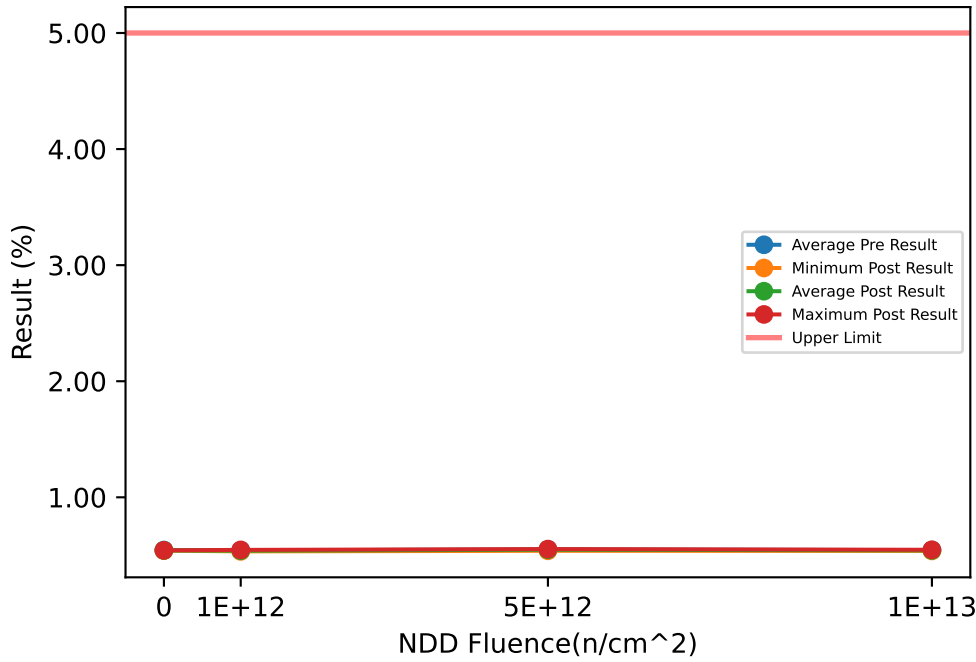


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.554	0.5555	0.557	0.0021213	0.552	0.553	0.554	0.0014142	-0.003	-0.0025	-0.002	0.00070711
1e+12	0.549	0.553	0.561	0.0054772	0.546	0.551	0.56	0.0062183	-0.003	-0.002	-0.001	0.0008165
5e+12	0.554	0.5605	0.565	0.0050662	0.552	0.55925	0.564	0.0055	-0.002	-0.00125	-0.001	0.0005
1e+13	0.554	0.5565	0.561	0.0033166	0.554	0.556	0.56	0.0028284	-0.001	-0.0005	0	0.00057735

Device Test: 6.85 ; VOL_RESET_2MA

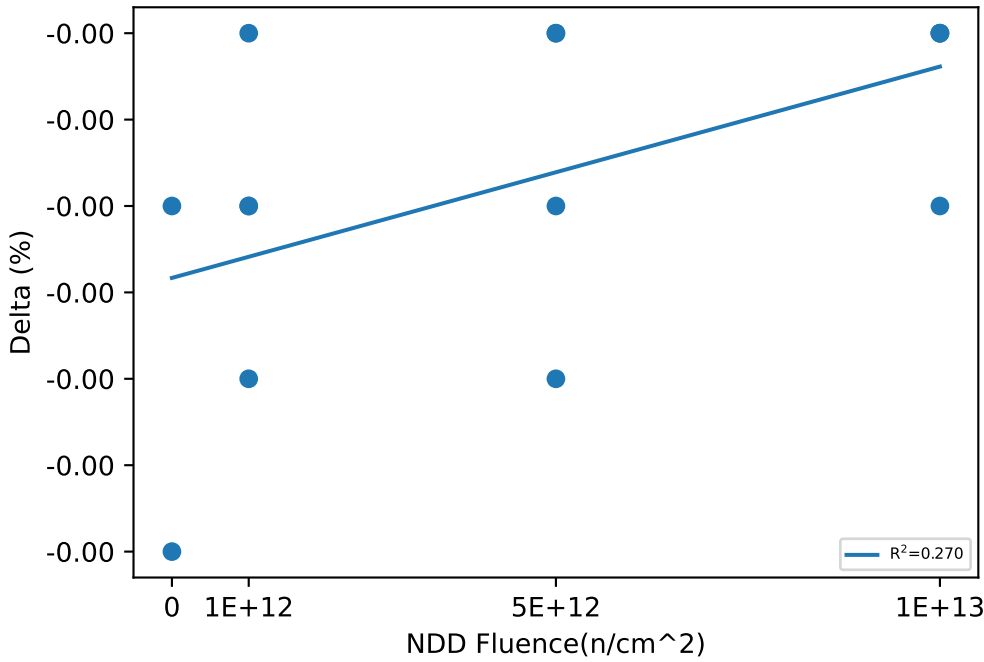
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.548	0.543	-0.005
301	0	Correlation	0.544	0.541	-0.003
353	1e+12	NDD Unbiased	0.538	0.534	-0.004
354	1e+12	NDD Unbiased	0.545	0.542	-0.003
355	1e+12	NDD Unbiased	0.54	0.537	-0.003
356	1e+12	NDD Unbiased	0.549	0.547	-0.002
357	5e+12	NDD Unbiased	0.543	0.539	-0.004
358	5e+12	NDD Unbiased	0.551	0.548	-0.003
359	5e+12	NDD Unbiased	0.556	0.554	-0.002
360	5e+12	NDD Unbiased	0.554	0.552	-0.002
361	1e+13	NDD Unbiased	0.55	0.548	-0.002
362	1e+13	NDD Unbiased	0.542	0.54	-0.002
363	1e+13	NDD Unbiased	0.548	0.545	-0.003
364	1e+13	NDD Unbiased	0.54	0.538	-0.002

NDD vs Post - Pre Exposure Delta

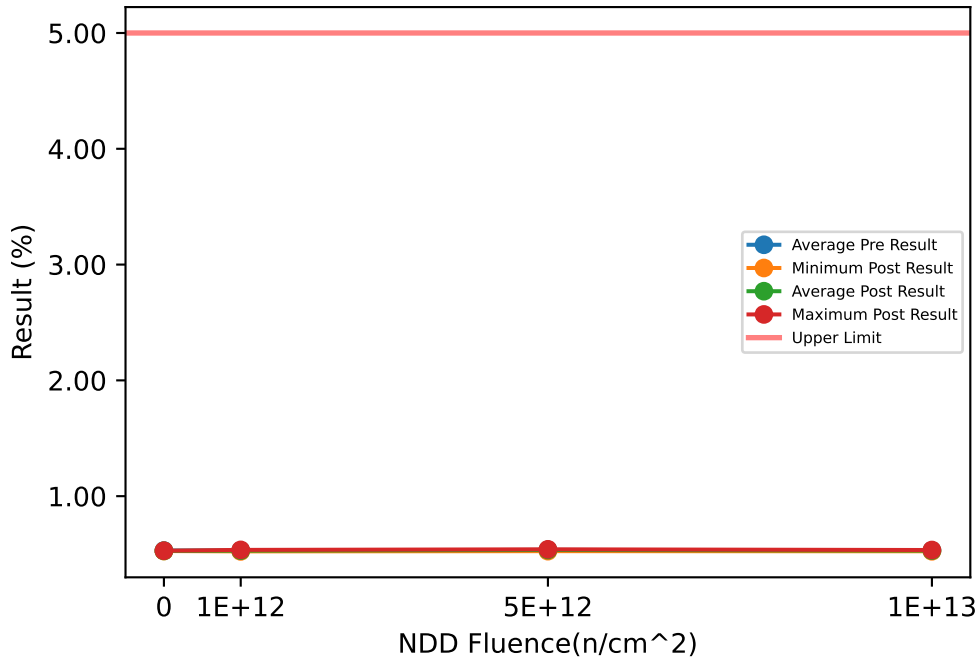


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.544	0.546	0.548	0.0028284	0.541	0.542	0.543	0.0014142	-0.005	-0.004	-0.003	0.0014142
1e+12	0.538	0.543	0.549	0.0049666	0.534	0.54	0.547	0.0057155	-0.004	-0.003	-0.002	0.0008165
5e+12	0.543	0.551	0.556	0.0057155	0.539	0.54825	0.554	0.0066521	-0.004	-0.00275	-0.002	0.00095743
1e+13	0.54	0.545	0.55	0.004761	0.538	0.54275	0.548	0.0045735	-0.003	-0.00225	-0.002	0.0005

Device Test: 6.86 ; VOL_RESET_2MA

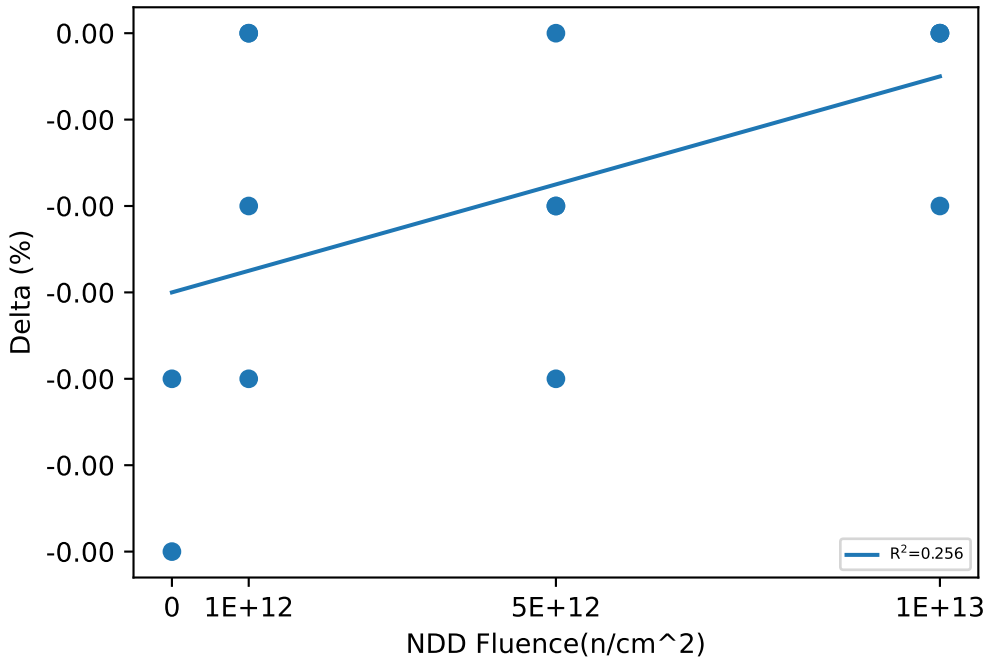
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.532	0.529	-0.003
301	0	Correlation	0.528	0.526	-0.002
353	1e+12	NDD Unbiased	0.524	0.523	-0.001
354	1e+12	NDD Unbiased	0.535	0.533	-0.002
355	1e+12	NDD Unbiased	0.526	0.526	0
356	1e+12	NDD Unbiased	0.536	0.536	0
357	5e+12	NDD Unbiased	0.527	0.525	-0.002
358	5e+12	NDD Unbiased	0.536	0.535	-0.001
359	5e+12	NDD Unbiased	0.542	0.541	-0.001
360	5e+12	NDD Unbiased	0.539	0.539	0
361	1e+13	NDD Unbiased	0.536	0.535	-0.001
362	1e+13	NDD Unbiased	0.529	0.529	0
363	1e+13	NDD Unbiased	0.532	0.532	0
364	1e+13	NDD Unbiased	0.524	0.524	0

NDD vs Post - Pre Exposure Delta

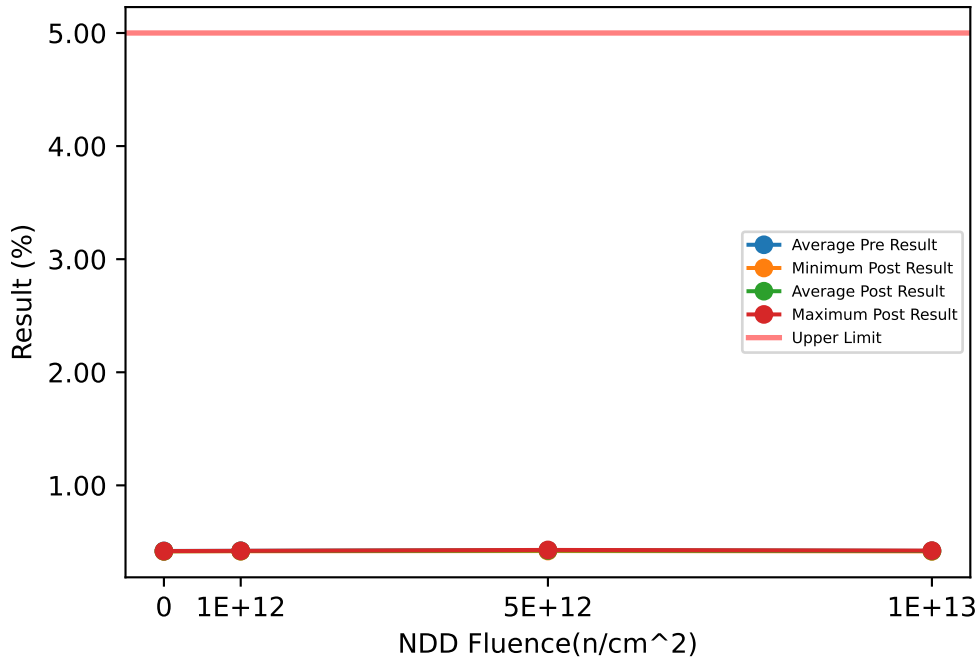


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.528	0.53	0.532	0.0028284	0.526	0.5275	0.529	0.0021213	-0.003	-0.0025	-0.002	0.00070711
1e+12	0.524	0.53025	0.536	0.0061305	0.523	0.5295	0.536	0.0060277	-0.002	-0.00075	0	0.00095743
5e+12	0.527	0.536	0.542	0.0064807	0.525	0.535	0.541	0.0071181	-0.002	-0.001	0	0.0008165
1e+13	0.524	0.53025	0.536	0.005058	0.524	0.53	0.535	0.0046904	-0.001	-0.00025	0	0.0005

Device Test: 6.87 ; VOL_WDO_2MA

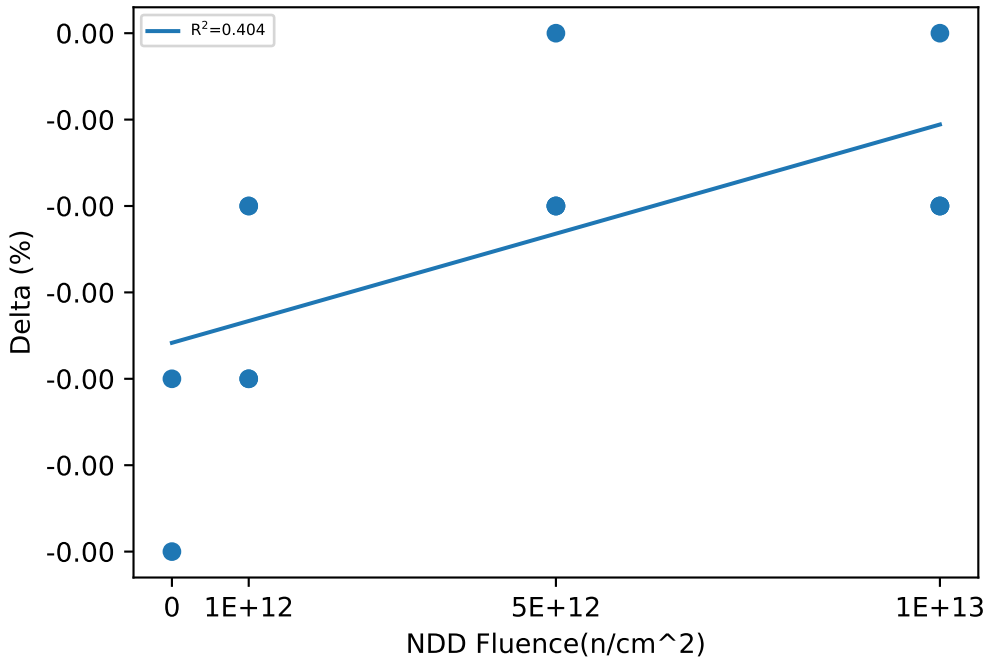
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.422	0.419	-0.003
301	0	Correlation	0.418	0.416	-0.002
353	1e+12	NDD Unbiased	0.419	0.417	-0.002
354	1e+12	NDD Unbiased	0.423	0.421	-0.002
355	1e+12	NDD Unbiased	0.42	0.419	-0.001
356	1e+12	NDD Unbiased	0.422	0.421	-0.001
357	5e+12	NDD Unbiased	0.42	0.419	-0.001
358	5e+12	NDD Unbiased	0.422	0.421	-0.001
359	5e+12	NDD Unbiased	0.429	0.428	-0.001
360	5e+12	NDD Unbiased	0.429	0.429	0
361	1e+13	NDD Unbiased	0.422	0.421	-0.001
362	1e+13	NDD Unbiased	0.423	0.423	0
363	1e+13	NDD Unbiased	0.419	0.418	-0.001
364	1e+13	NDD Unbiased	0.417	0.416	-0.001

NDD vs Post - Pre Exposure Delta

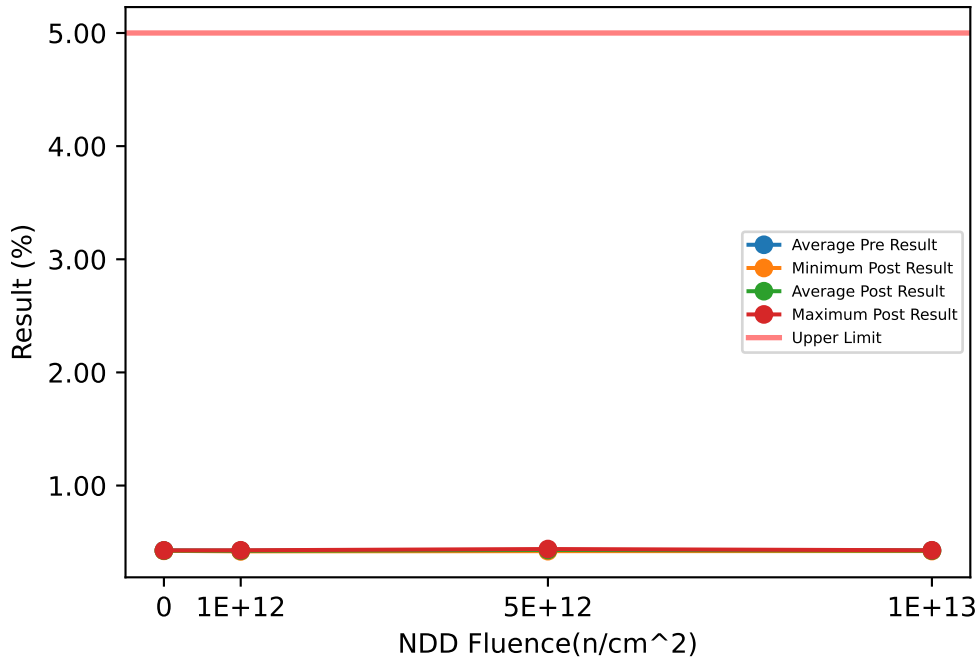


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.418	0.42	0.422	0.0028284	0.416	0.4175	0.419	0.0021213	-0.003	-0.0025	-0.002	0.00070711
1e+12	0.419	0.421	0.423	0.0018257	0.417	0.4195	0.421	0.0019149	-0.002	-0.0015	-0.001	0.00057735
5e+12	0.42	0.425	0.429	0.0046904	0.419	0.42425	0.429	0.0049917	-0.001	-0.00075	0	0.0005
1e+13	0.417	0.42025	0.423	0.0027538	0.416	0.4195	0.423	0.0031091	-0.001	-0.00075	0	0.0005

Device Test: 6.88 ; VOL_PWRGD_2MA

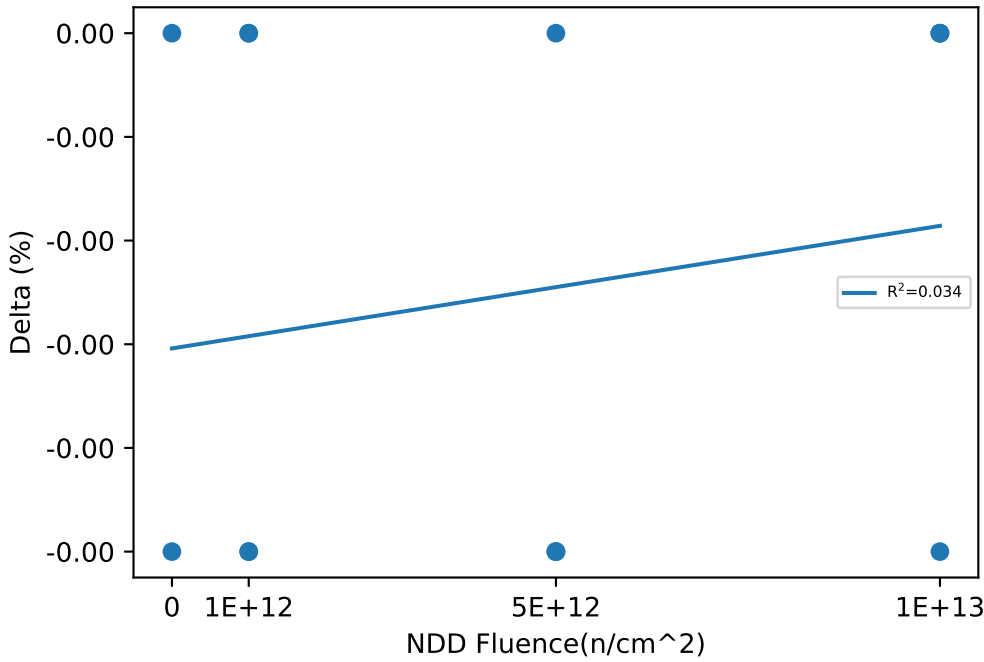
NDD vs Result Stats



Test Results (Upper Limit = 5.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	0.428	0.427	-0.001
301	0	Correlation	0.423	0.423	0
353	1e+12	NDD Unbiased	0.419	0.418	-0.001
354	1e+12	NDD Unbiased	0.425	0.424	-0.001
355	1e+12	NDD Unbiased	0.423	0.423	0
356	1e+12	NDD Unbiased	0.428	0.428	0
357	5e+12	NDD Unbiased	0.421	0.42	-0.001
358	5e+12	NDD Unbiased	0.428	0.427	-0.001
359	5e+12	NDD Unbiased	0.436	0.435	-0.001
360	5e+12	NDD Unbiased	0.439	0.439	0
361	1e+13	NDD Unbiased	0.428	0.427	-0.001
362	1e+13	NDD Unbiased	0.428	0.428	0
363	1e+13	NDD Unbiased	0.424	0.424	0
364	1e+13	NDD Unbiased	0.421	0.421	0

NDD vs Post - Pre Exposure Delta

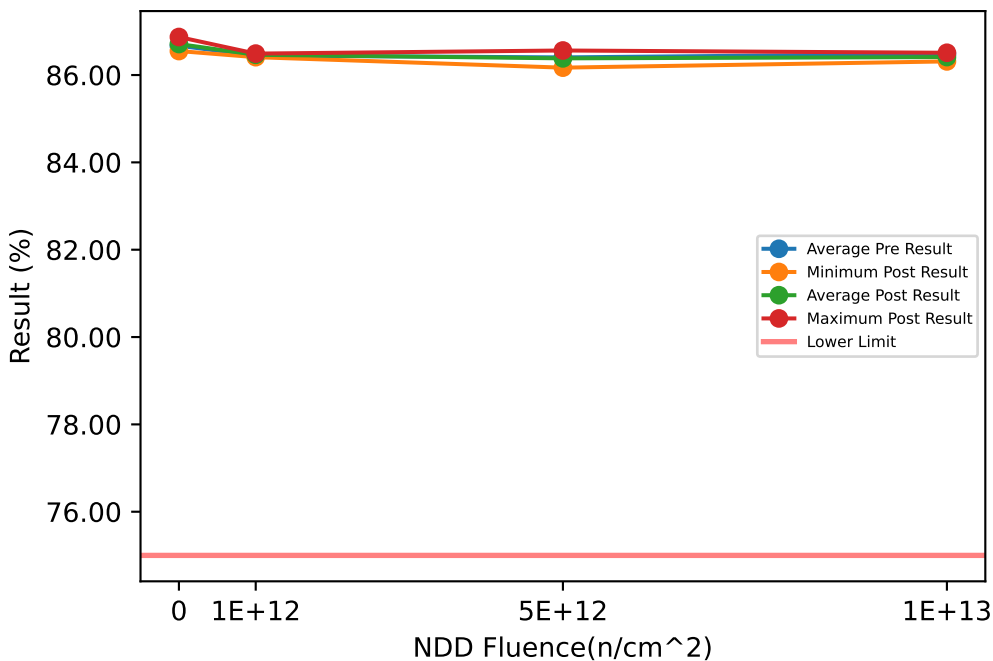


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.423	0.4255	0.428	0.0035355	0.423	0.425	0.427	0.0028284	-0.001	-0.0005	0	0.00070711
1e+12	0.419	0.42375	0.428	0.0037749	0.418	0.42325	0.428	0.004113	-0.001	-0.0005	0	0.00057735
5e+12	0.421	0.431	0.439	0.008124	0.42	0.43025	0.439	0.0084607	-0.001	-0.00075	0	0.0005
1e+13	0.421	0.42525	0.428	0.0034034	0.421	0.425	0.428	0.0031623	-0.001	-0.00025	0	0.0005

Device Test: 6.89 ; VOH_RESET_10MA

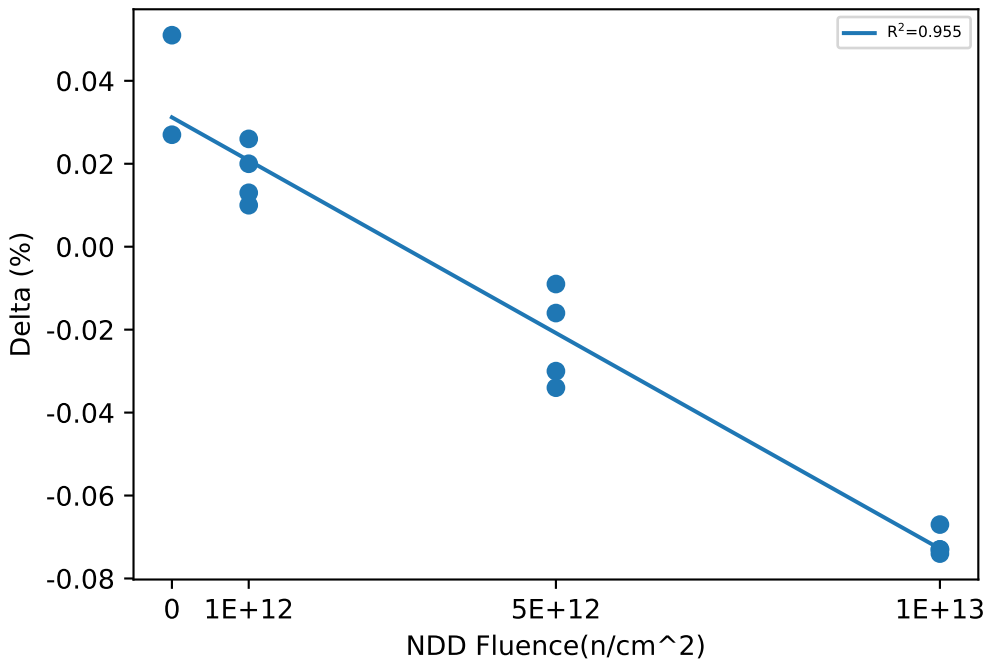
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.498	86.549	0.051
301	0	Correlation	86.844	86.871	0.027
353	1e+12	NDD Unbiased	86.446	86.472	0.026
354	1e+12	NDD Unbiased	86.462	86.482	0.02
355	1e+12	NDD Unbiased	86.396	86.409	0.013
356	1e+12	NDD Unbiased	86.481	86.491	0.01
357	5e+12	NDD Unbiased	86.571	86.562	-0.009
358	5e+12	NDD Unbiased	86.185	86.169	-0.016
359	5e+12	NDD Unbiased	86.451	86.421	-0.03
360	5e+12	NDD Unbiased	86.409	86.375	-0.034
361	1e+13	NDD Unbiased	86.461	86.394	-0.067
362	1e+13	NDD Unbiased	86.385	86.312	-0.073
363	1e+13	NDD Unbiased	86.584	86.51	-0.074
364	1e+13	NDD Unbiased	86.502	86.429	-0.073

NDD vs Post - Pre Exposure Delta

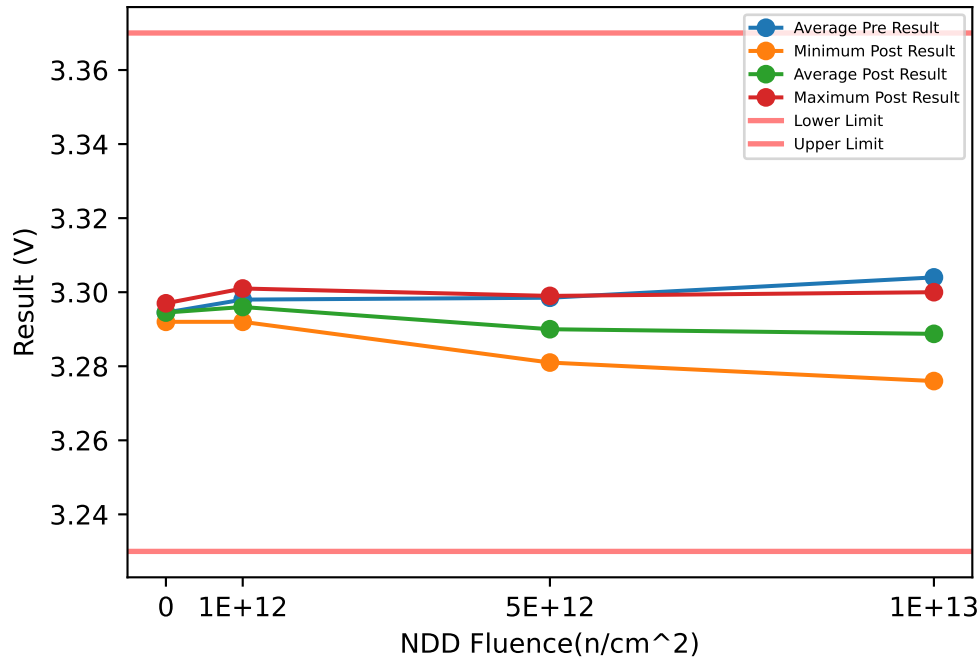


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.498	86.671	86.844	0.24466	86.549	86.71	86.871	0.22769	0.027	0.039	0.051	0.016971
1e+12	86.396	86.446	86.481	0.036427	86.409	86.463	86.491	0.037153	0.01	0.01725	0.026	0.0071822
5e+12	86.185	86.404	86.571	0.16133	86.169	86.382	86.562	0.16262	-0.034	-0.02225	-0.009	0.01173
1e+13	86.385	86.483	86.584	0.082966	86.312	86.411	86.51	0.082087	-0.074	-0.07175	-0.067	0.0032016

Device Test: 6.9 ; VLDO_REG

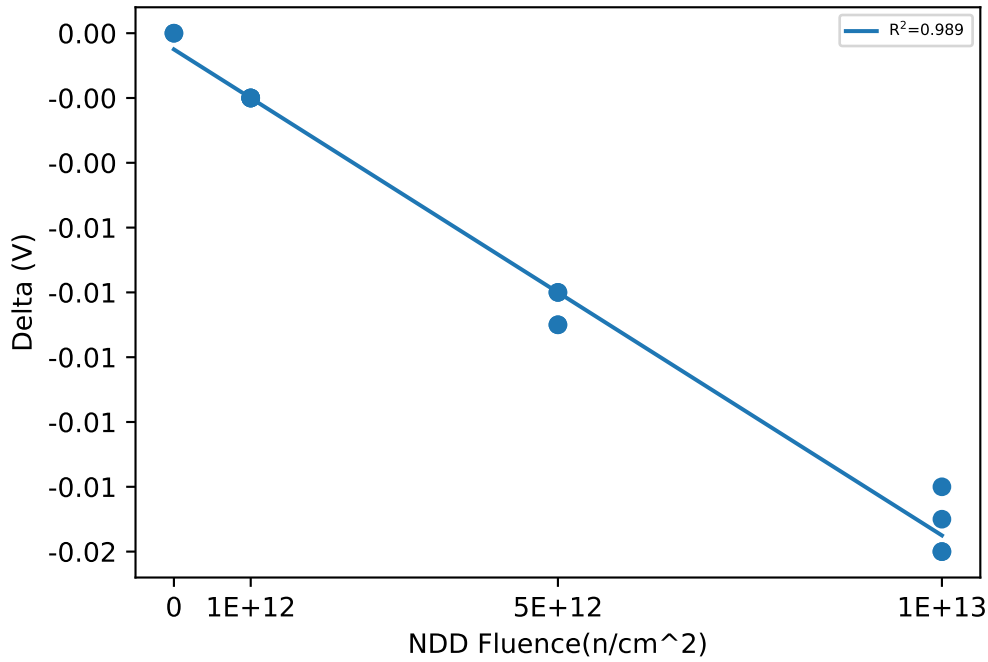
NDD vs Result Stats



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

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	3.297	3.297	0
301	0	Correlation	3.292	3.292	0
353	1e+12	NDD Unbiased	3.296	3.294	-0.002
354	1e+12	NDD Unbiased	3.303	3.301	-0.002
355	1e+12	NDD Unbiased	3.299	3.297	-0.002
356	1e+12	NDD Unbiased	3.294	3.292	-0.002
357	5e+12	NDD Unbiased	3.29	3.281	-0.009
358	5e+12	NDD Unbiased	3.295	3.287	-0.008
359	5e+12	NDD Unbiased	3.308	3.299	-0.009
360	5e+12	NDD Unbiased	3.301	3.293	-0.008
361	1e+13	NDD Unbiased	3.31	3.294	-0.016
362	1e+13	NDD Unbiased	3.299	3.285	-0.014
363	1e+13	NDD Unbiased	3.315	3.3	-0.015
364	1e+13	NDD Unbiased	3.292	3.276	-0.016

NDD vs Post - Pre Exposure Delta

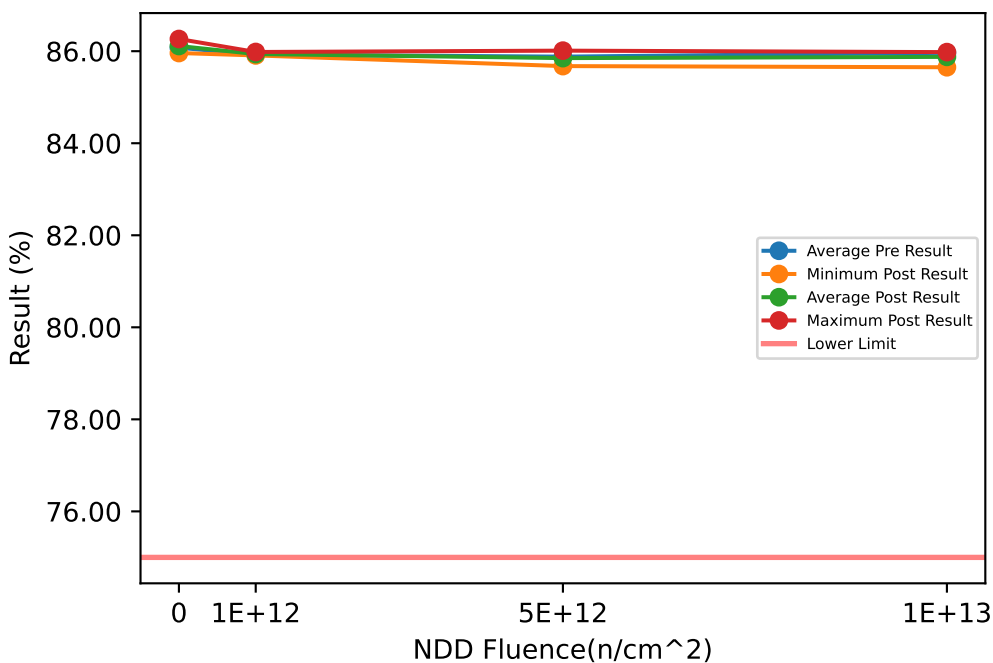


Test Statistics (V)

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	3.292	3.2945	3.297	0.0035355	3.292	3.2945	3.297	0.0035355	0	0	0	0
1e+12	3.294	3.298	3.303	0.0039158	3.292	3.296	3.301	0.0039158	-0.002	-0.002	-0.002	2.2204e-16
5e+12	3.29	3.2985	3.308	0.0077675	3.281	3.29	3.299	0.007746	-0.009	-0.0085	-0.008	0.00057735
1e+13	3.292	3.304	3.315	0.010424	3.276	3.2887	3.3	0.0105	-0.016	-0.01525	-0.014	0.00095743

Device Test: 6.90 ; VOH_RESET_10MA

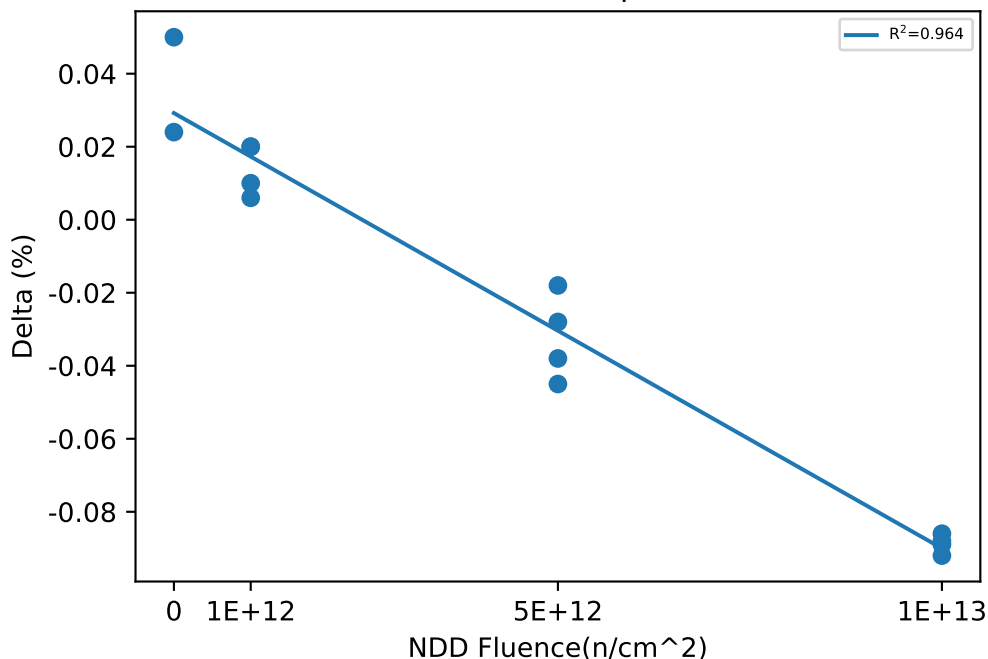
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.91	85.96	0.05
301	0	Correlation	86.241	86.265	0.024
353	1e+12	NDD Unbiased	85.888	85.908	0.02
354	1e+12	NDD Unbiased	85.93	85.95	0.02
355	1e+12	NDD Unbiased	85.973	85.983	0.01
356	1e+12	NDD Unbiased	85.907	85.913	0.006
357	5e+12	NDD Unbiased	86.03	86.012	-0.018
358	5e+12	NDD Unbiased	85.704	85.676	-0.028
359	5e+12	NDD Unbiased	85.963	85.925	-0.038
360	5e+12	NDD Unbiased	85.83	85.785	-0.045
361	1e+13	NDD Unbiased	86.005	85.919	-0.086
362	1e+13	NDD Unbiased	85.743	85.651	-0.092
363	1e+13	NDD Unbiased	86.068	85.98	-0.088
364	1e+13	NDD Unbiased	86.045	85.956	-0.089

NDD vs Post - Pre Exposure Delta

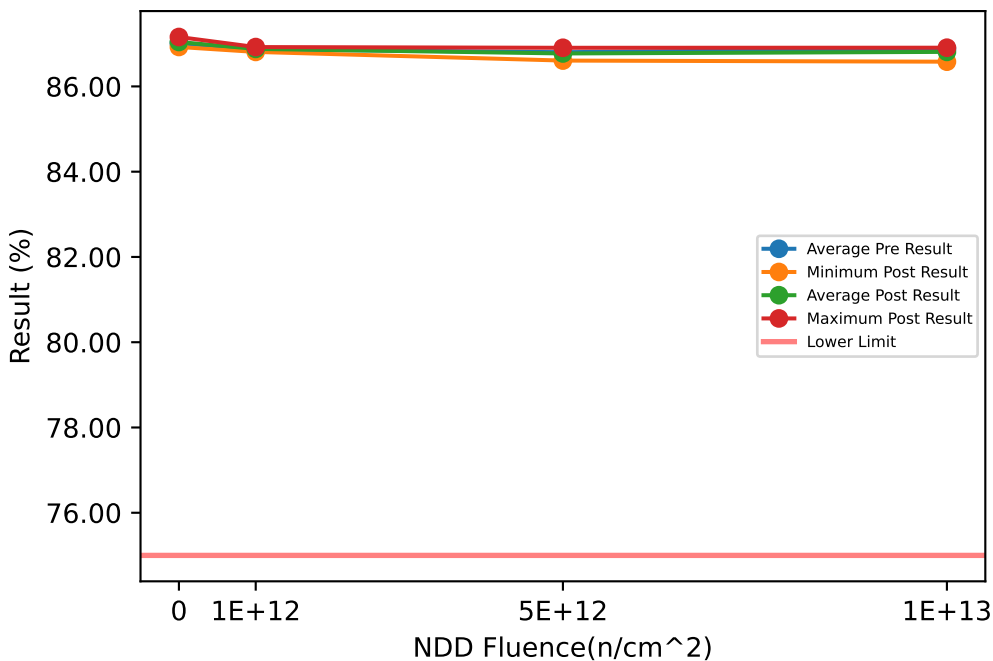


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.91	86.076	86.241	0.23405	85.96	86.112	86.265	0.21567	0.024	0.037	0.05	0.018385
1e+12	85.888	85.924	85.973	0.036611	85.908	85.939	85.983	0.035086	0.006	0.014	0.02	0.0071181
5e+12	85.704	85.882	86.03	0.14474	85.676	85.85	86.012	0.14874	-0.045	-0.03225	-0.018	0.011786
1e+13	85.743	85.965	86.068	0.15044	85.651	85.876	85.98	0.15241	-0.092	-0.08875	-0.086	0.0025

Device Test: 6.91 ; VOH_RESET_10MA

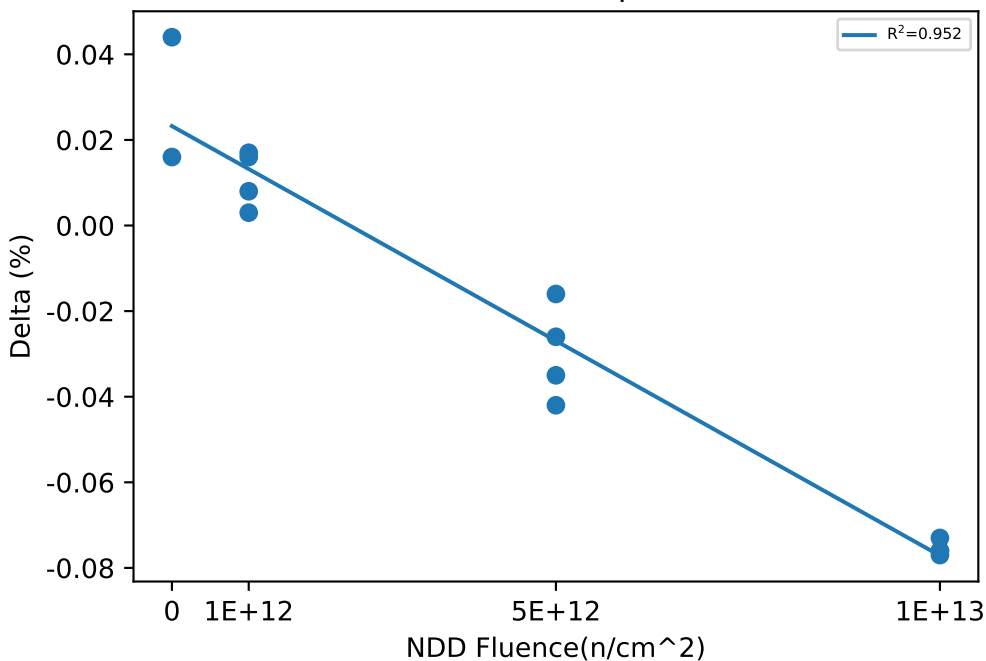
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.881	86.925	0.044
301	0	Correlation	87.143	87.159	0.016
353	1e+12	NDD Unbiased	86.883	86.9	0.017
354	1e+12	NDD Unbiased	86.871	86.887	0.016
355	1e+12	NDD Unbiased	86.915	86.923	0.008
356	1e+12	NDD Unbiased	86.806	86.809	0.003
357	5e+12	NDD Unbiased	86.922	86.906	-0.016
358	5e+12	NDD Unbiased	86.632	86.606	-0.026
359	5e+12	NDD Unbiased	86.86	86.825	-0.035
360	5e+12	NDD Unbiased	86.796	86.754	-0.042
361	1e+13	NDD Unbiased	86.968	86.895	-0.073
362	1e+13	NDD Unbiased	86.657	86.58	-0.077
363	1e+13	NDD Unbiased	86.984	86.908	-0.076
364	1e+13	NDD Unbiased	86.932	86.856	-0.076

NDD vs Post - Pre Exposure Delta

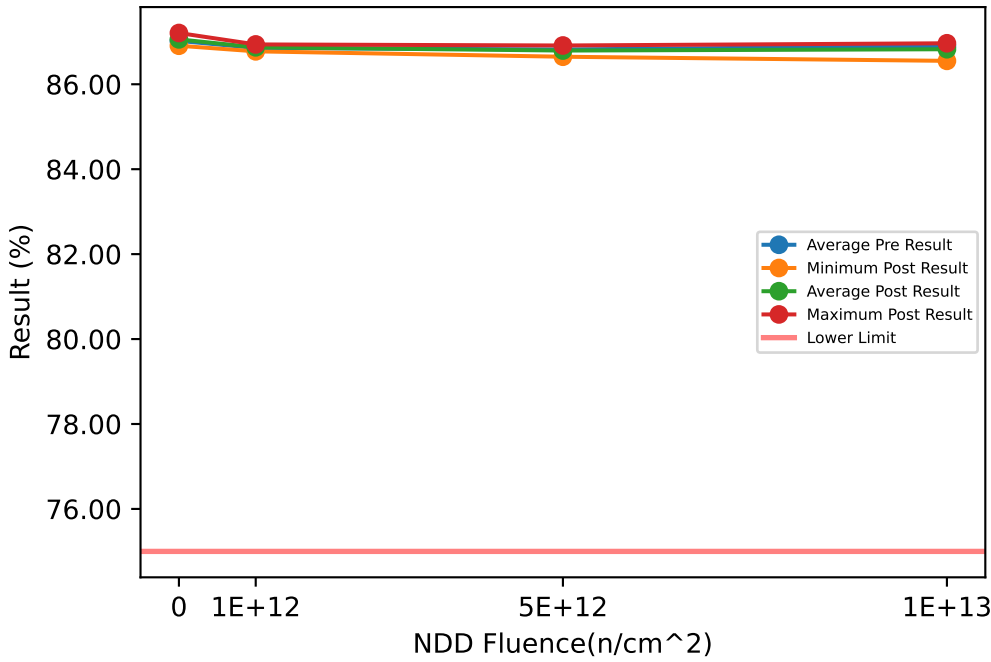


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.881	87.012	87.143	0.18526	86.925	87.042	87.159	0.16546	0.016	0.03	0.044	0.019799
1e+12	86.806	86.869	86.915	0.04577	86.809	86.88	86.923	0.04946	0.003	0.011	0.017	0.0066833
5e+12	86.632	86.803	86.922	0.12477	86.606	86.773	86.906	0.12734	-0.042	-0.02975	-0.016	0.011266
1e+13	86.657	86.885	86.984	0.15371	86.58	86.81	86.908	0.15475	-0.077	-0.0755	-0.073	0.0017321

Device Test: 6.92 ; VOH_RESET_10MA

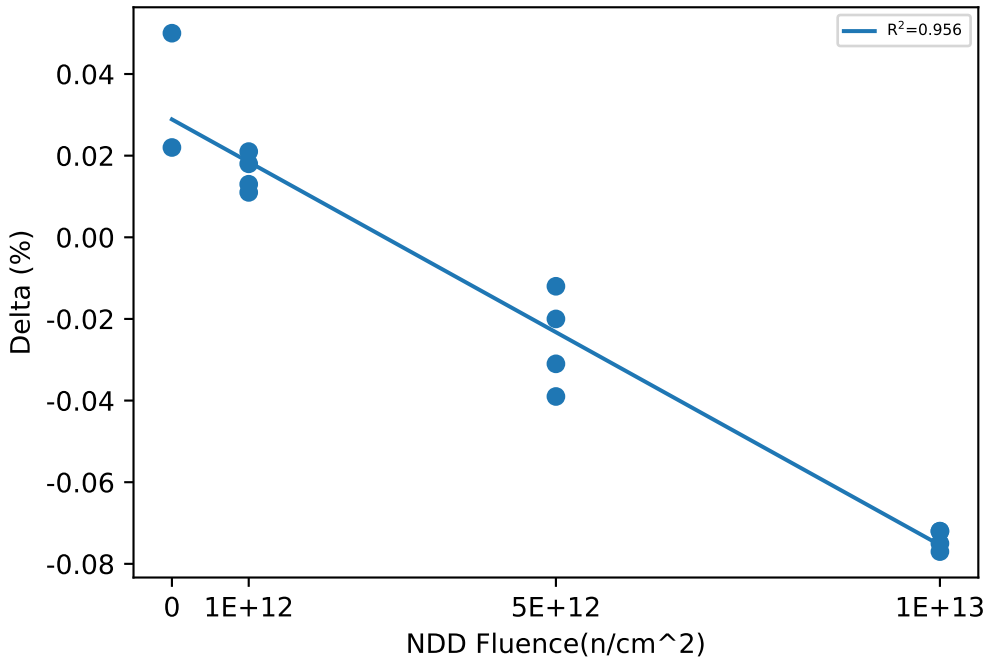
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.857	86.907	0.05
301	0	Correlation	87.185	87.207	0.022
353	1e+12	NDD Unbiased	86.901	86.922	0.021
354	1e+12	NDD Unbiased	86.827	86.845	0.018
355	1e+12	NDD Unbiased	86.925	86.938	0.013
356	1e+12	NDD Unbiased	86.764	86.775	0.011
357	5e+12	NDD Unbiased	86.925	86.913	-0.012
358	5e+12	NDD Unbiased	86.668	86.648	-0.02
359	5e+12	NDD Unbiased	86.873	86.842	-0.031
360	5e+12	NDD Unbiased	86.81	86.771	-0.039
361	1e+13	NDD Unbiased	87.001	86.929	-0.072
362	1e+13	NDD Unbiased	86.623	86.551	-0.072
363	1e+13	NDD Unbiased	87.04	86.965	-0.075
364	1e+13	NDD Unbiased	86.93	86.853	-0.077

NDD vs Post - Pre Exposure Delta

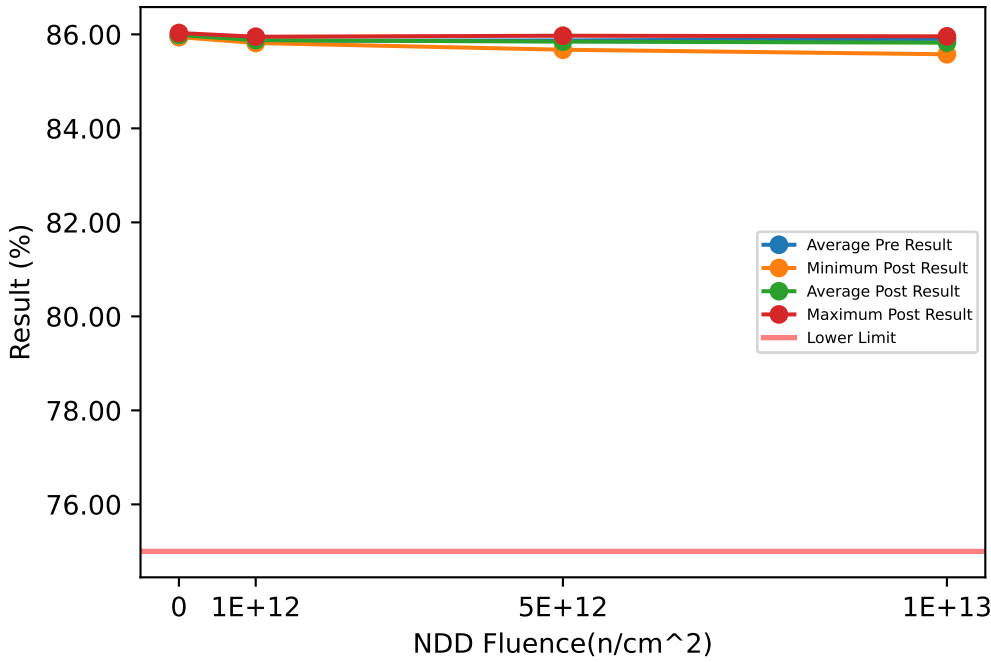


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.857	87.021	87.185	0.23193	86.907	87.057	87.207	0.21213	0.022	0.036	0.05	0.019799
1e+12	86.764	86.854	86.925	0.073209	86.775	86.87	86.938	0.075229	0.011	0.01575	0.021	0.0045735
5e+12	86.668	86.819	86.925	0.11111	86.648	86.793	86.913	0.113	-0.039	-0.0255	-0.012	0.011902
1e+13	86.623	86.899	87.04	0.18923	86.551	86.825	86.965	0.18822	-0.077	-0.074	-0.072	0.0024495

Device Test: 6.93 ; VOH_WDO_10MA

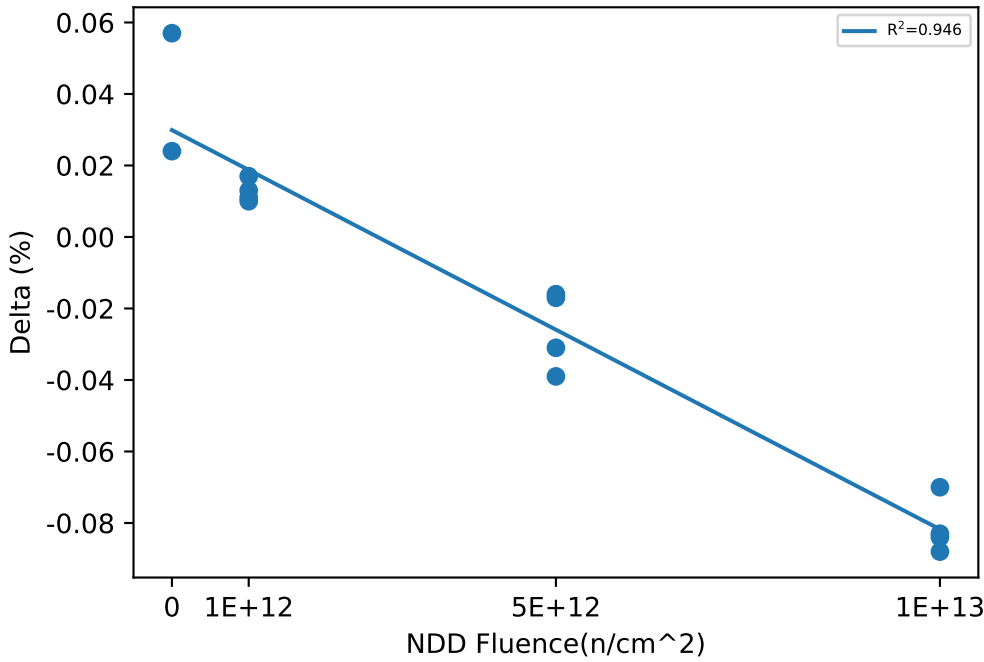
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.885	85.942	0.057
301	0	Correlation	86.005	86.029	0.024
353	1e+12	NDD Unbiased	85.933	85.95	0.017
354	1e+12	NDD Unbiased	85.89	85.9	0.01
355	1e+12	NDD Unbiased	85.824	85.837	0.013
356	1e+12	NDD Unbiased	85.805	85.816	0.011
357	5e+12	NDD Unbiased	85.978	85.962	-0.016
358	5e+12	NDD Unbiased	85.69	85.673	-0.017
359	5e+12	NDD Unbiased	86.002	85.971	-0.031
360	5e+12	NDD Unbiased	85.814	85.775	-0.039
361	1e+13	NDD Unbiased	85.995	85.925	-0.07
362	1e+13	NDD Unbiased	85.659	85.576	-0.083
363	1e+13	NDD Unbiased	86.042	85.958	-0.084
364	1e+13	NDD Unbiased	85.921	85.833	-0.088

NDD vs Post - Pre Exposure Delta

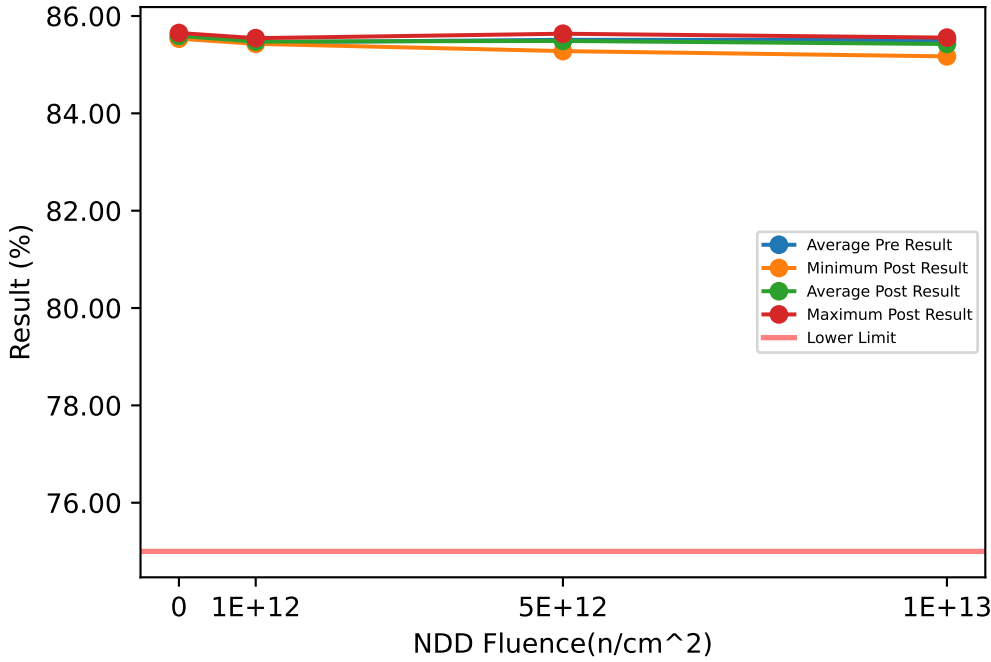


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.885	85.945	86.005	0.084853	85.942	85.986	86.029	0.061518	0.024	0.0405	0.057	0.023335
1e+12	85.805	85.863	85.933	0.0592	85.816	85.876	85.95	0.061027	0.01	0.01275	0.017	0.0030957
5e+12	85.69	85.871	86.002	0.14677	85.673	85.845	85.971	0.14611	-0.039	-0.02575	-0.016	0.011177
1e+13	85.659	85.904	86.042	0.17092	85.576	85.823	85.958	0.17295	-0.088	-0.08125	-0.07	0.0078049

Device Test: 6.94 ; VOH_PWRGD_10MA

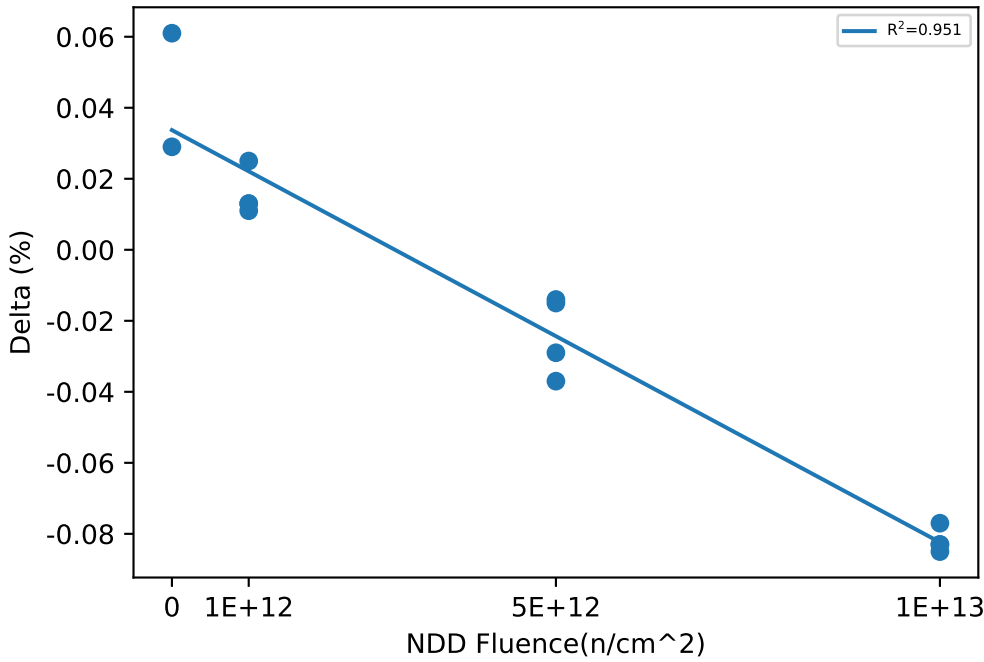
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.474	85.535	0.061
301	0	Correlation	85.622	85.651	0.029
353	1e+12	NDD Unbiased	85.52	85.545	0.025
354	1e+12	NDD Unbiased	85.459	85.47	0.011
355	1e+12	NDD Unbiased	85.442	85.455	0.013
356	1e+12	NDD Unbiased	85.415	85.428	0.013
357	5e+12	NDD Unbiased	85.619	85.605	-0.014
358	5e+12	NDD Unbiased	85.294	85.279	-0.015
359	5e+12	NDD Unbiased	85.665	85.636	-0.029
360	5e+12	NDD Unbiased	85.467	85.43	-0.037
361	1e+13	NDD Unbiased	85.596	85.519	-0.077
362	1e+13	NDD Unbiased	85.253	85.17	-0.083
363	1e+13	NDD Unbiased	85.639	85.556	-0.083
364	1e+13	NDD Unbiased	85.539	85.454	-0.085

NDD vs Post - Pre Exposure Delta

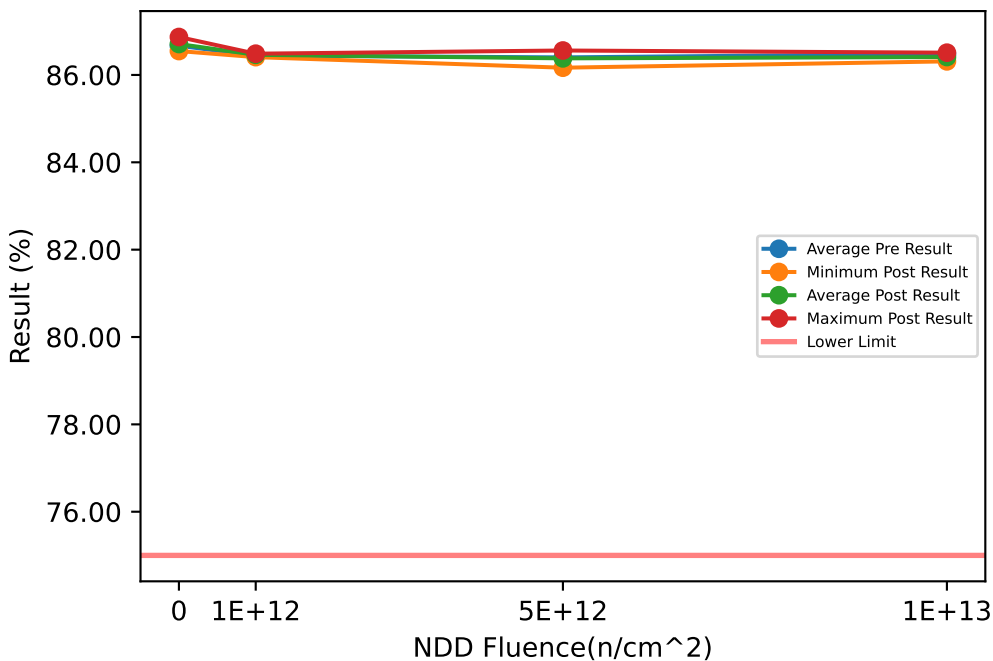


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.474	85.548	85.622	0.10465	85.535	85.593	85.651	0.082024	0.029	0.045	0.061	0.022627
1e+12	85.415	85.459	85.52	0.04452	85.428	85.475	85.545	0.05011	0.011	0.0155	0.025	0.0064031
5e+12	85.294	85.511	85.665	0.16773	85.279	85.487	85.636	0.16597	-0.037	-0.02375	-0.014	0.011177
1e+13	85.253	85.507	85.639	0.17405	85.17	85.425	85.556	0.17499	-0.085	-0.082	-0.077	0.0034641

Device Test: 6.95 ; VOH_RESET_10MA

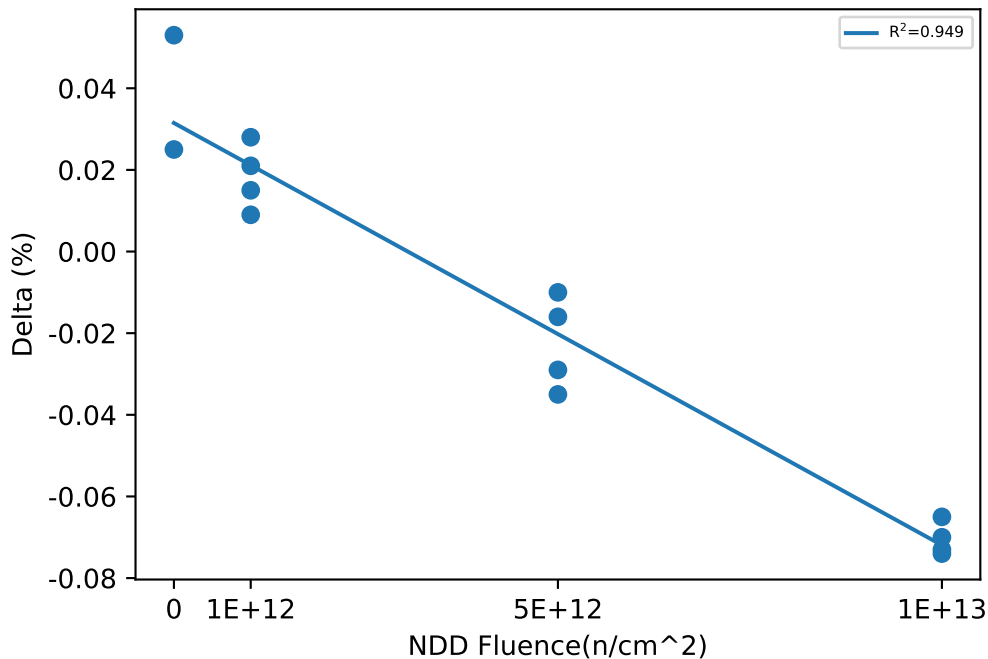
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.494	86.547	0.053
301	0	Correlation	86.844	86.869	0.025
353	1e+12	NDD Unbiased	86.442	86.47	0.028
354	1e+12	NDD Unbiased	86.459	86.48	0.021
355	1e+12	NDD Unbiased	86.393	86.408	0.015
356	1e+12	NDD Unbiased	86.478	86.487	0.009
357	5e+12	NDD Unbiased	86.57	86.56	-0.01
358	5e+12	NDD Unbiased	86.182	86.166	-0.016
359	5e+12	NDD Unbiased	86.45	86.421	-0.029
360	5e+12	NDD Unbiased	86.407	86.372	-0.035
361	1e+13	NDD Unbiased	86.457	86.392	-0.065
362	1e+13	NDD Unbiased	86.384	86.311	-0.073
363	1e+13	NDD Unbiased	86.58	86.51	-0.07
364	1e+13	NDD Unbiased	86.502	86.428	-0.074

NDD vs Post - Pre Exposure Delta

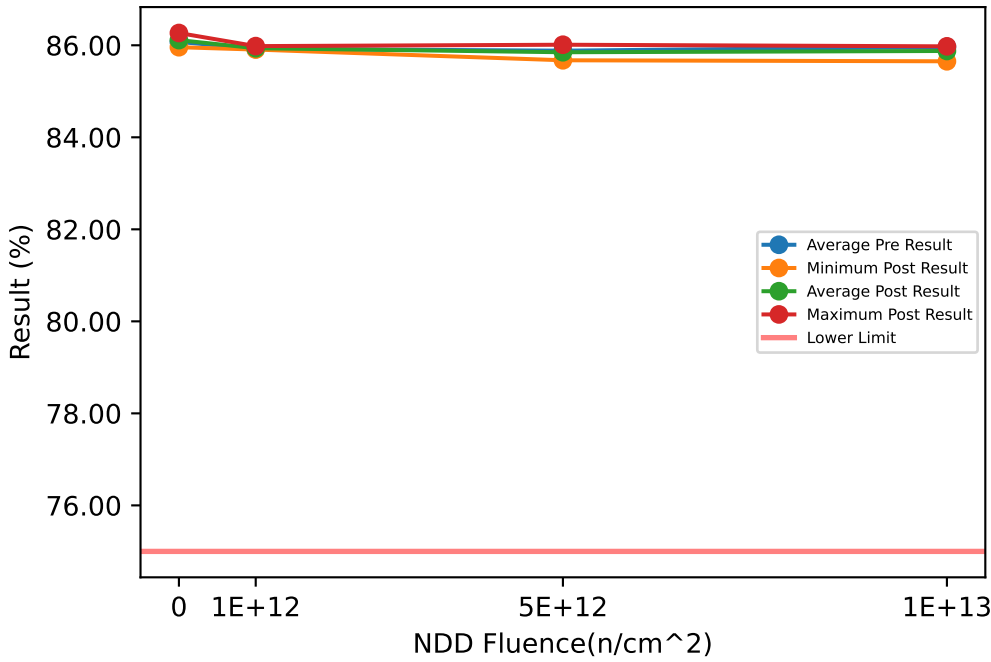


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.494	86.669	86.844	0.24749	86.547	86.708	86.869	0.22769	0.025	0.039	0.053	0.019799
1e+12	86.393	86.443	86.478	0.036433	86.408	86.461	86.487	0.036179	0.009	0.01825	0.028	0.0081394
5e+12	86.182	86.402	86.57	0.16223	86.166	86.38	86.56	0.16324	-0.035	-0.0225	-0.01	0.011504
1e+13	86.384	86.481	86.58	0.082111	86.311	86.41	86.51	0.082561	-0.074	-0.0705	-0.065	0.0040415

Device Test: 6.96 ; VOH_RESET_10MA

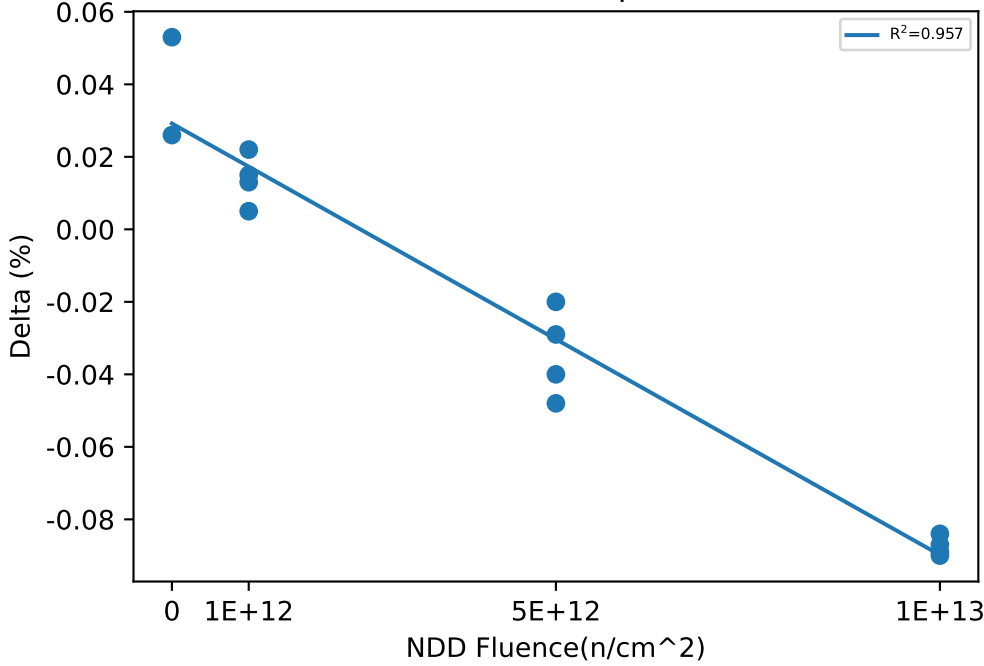
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.905	85.958	0.053
301	0	Correlation	86.241	86.267	0.026
353	1e+12	NDD Unbiased	85.885	85.907	0.022
354	1e+12	NDD Unbiased	85.93	85.945	0.015
355	1e+12	NDD Unbiased	85.969	85.982	0.013
356	1e+12	NDD Unbiased	85.905	85.91	0.005
357	5e+12	NDD Unbiased	86.032	86.012	-0.02
358	5e+12	NDD Unbiased	85.703	85.674	-0.029
359	5e+12	NDD Unbiased	85.964	85.924	-0.04
360	5e+12	NDD Unbiased	85.832	85.784	-0.048
361	1e+13	NDD Unbiased	86.003	85.919	-0.084
362	1e+13	NDD Unbiased	85.741	85.652	-0.089
363	1e+13	NDD Unbiased	86.064	85.977	-0.087
364	1e+13	NDD Unbiased	86.046	85.956	-0.09

NDD vs Post - Pre Exposure Delta

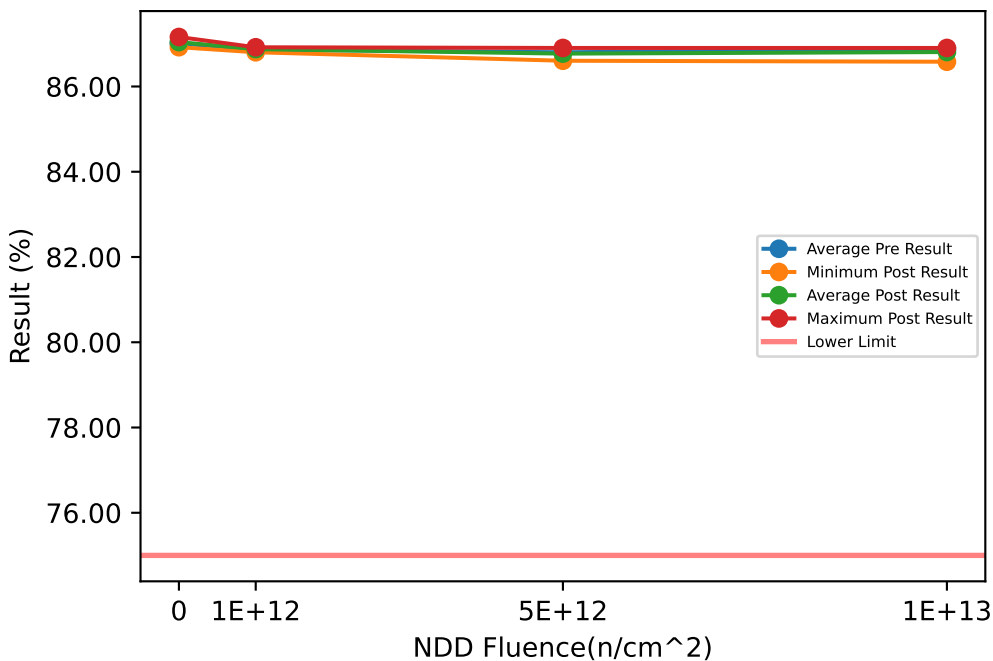


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.905	86.073	86.241	0.23759	85.958	86.112	86.267	0.2185	0.026	0.0395	0.053	0.019092
1e+12	85.885	85.922	85.969	0.036197	85.907	85.936	85.982	0.035185	0.005	0.01375	0.022	0.006994
5e+12	85.703	85.883	86.032	0.14579	85.674	85.849	86.012	0.14949	-0.048	-0.03425	-0.02	0.012285
1e+13	85.741	85.963	86.064	0.15052	85.652	85.876	85.977	0.15125	-0.09	-0.0875	-0.084	0.0026458

Device Test: 6.97 ; VOH_RESET_10MA

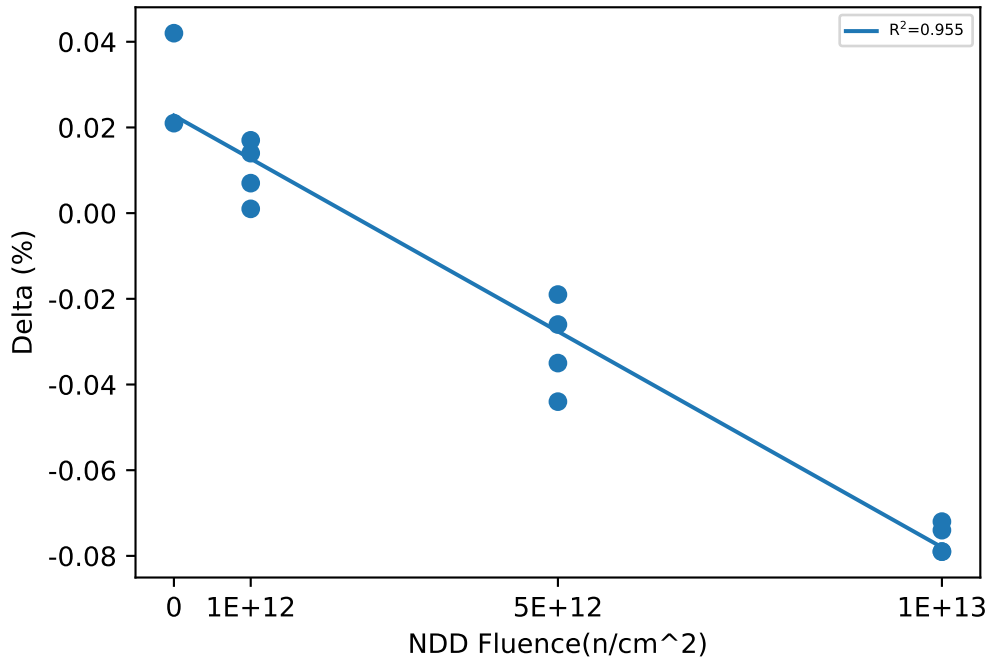
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.88	86.922	0.042
301	0	Correlation	87.14	87.161	0.021
353	1e+12	NDD Unbiased	86.88	86.897	0.017
354	1e+12	NDD Unbiased	86.871	86.885	0.014
355	1e+12	NDD Unbiased	86.913	86.92	0.007
356	1e+12	NDD Unbiased	86.802	86.803	0.001
357	5e+12	NDD Unbiased	86.923	86.904	-0.019
358	5e+12	NDD Unbiased	86.63	86.604	-0.026
359	5e+12	NDD Unbiased	86.859	86.824	-0.035
360	5e+12	NDD Unbiased	86.796	86.752	-0.044
361	1e+13	NDD Unbiased	86.965	86.893	-0.072
362	1e+13	NDD Unbiased	86.655	86.581	-0.074
363	1e+13	NDD Unbiased	86.983	86.904	-0.079
364	1e+13	NDD Unbiased	86.933	86.854	-0.079

NDD vs Post - Pre Exposure Delta

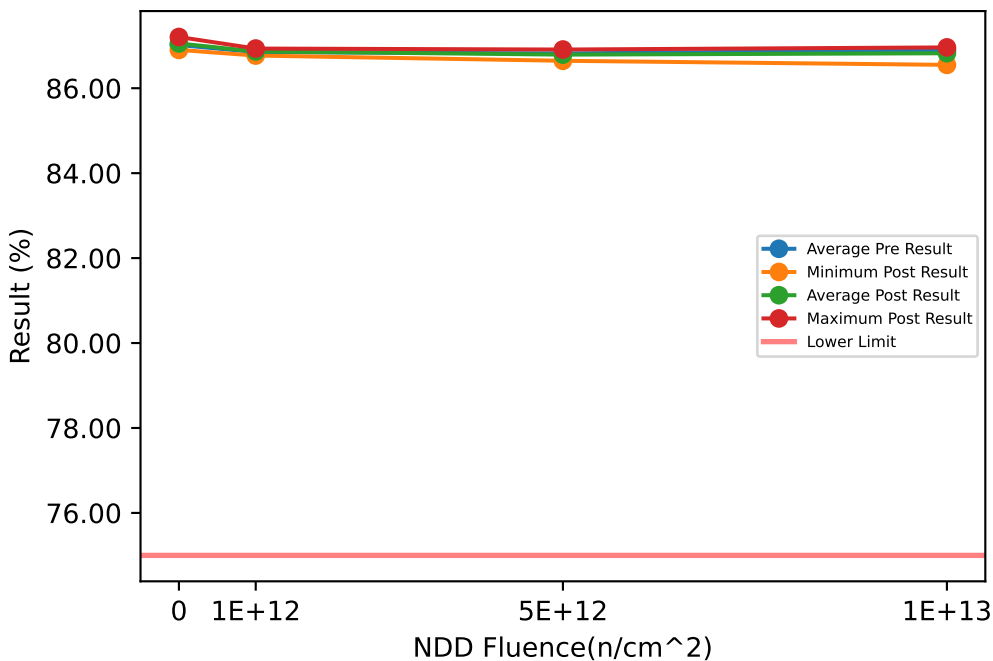


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.88	87.01	87.14	0.18385	86.922	87.041	87.161	0.169	0.021	0.0315	0.042	0.014849
1e+12	86.802	86.867	86.913	0.046637	86.803	86.876	86.92	0.050947	0.001	0.00975	0.017	0.0071822
5e+12	86.63	86.802	86.923	0.12584	86.604	86.771	86.904	0.12747	-0.044	-0.031	-0.019	0.010863
1e+13	86.655	86.884	86.983	0.15406	86.581	86.808	86.904	0.15285	-0.079	-0.076	-0.072	0.003559

Device Test: 6.98 ; VOH_RESET_10MA

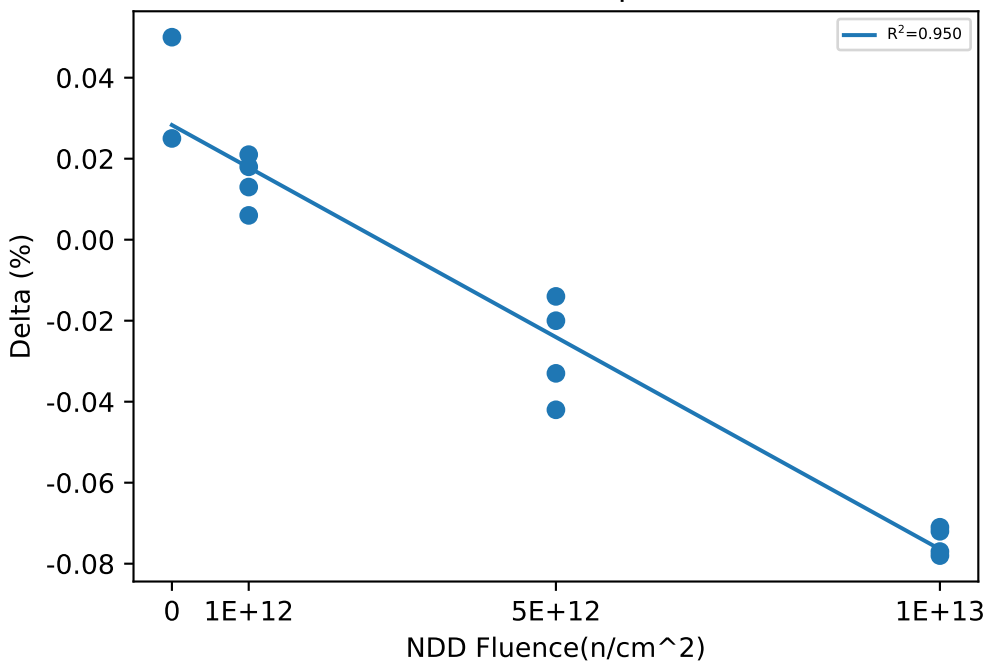
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	86.852	86.902	0.05
301	0	Correlation	87.181	87.206	0.025
353	1e+12	NDD Unbiased	86.898	86.919	0.021
354	1e+12	NDD Unbiased	86.824	86.842	0.018
355	1e+12	NDD Unbiased	86.921	86.934	0.013
356	1e+12	NDD Unbiased	86.763	86.769	0.006
357	5e+12	NDD Unbiased	86.925	86.911	-0.014
358	5e+12	NDD Unbiased	86.666	86.646	-0.02
359	5e+12	NDD Unbiased	86.873	86.84	-0.033
360	5e+12	NDD Unbiased	86.809	86.767	-0.042
361	1e+13	NDD Unbiased	86.999	86.928	-0.071
362	1e+13	NDD Unbiased	86.622	86.55	-0.072
363	1e+13	NDD Unbiased	87.039	86.961	-0.078
364	1e+13	NDD Unbiased	86.93	86.853	-0.077

NDD vs Post - Pre Exposure Delta

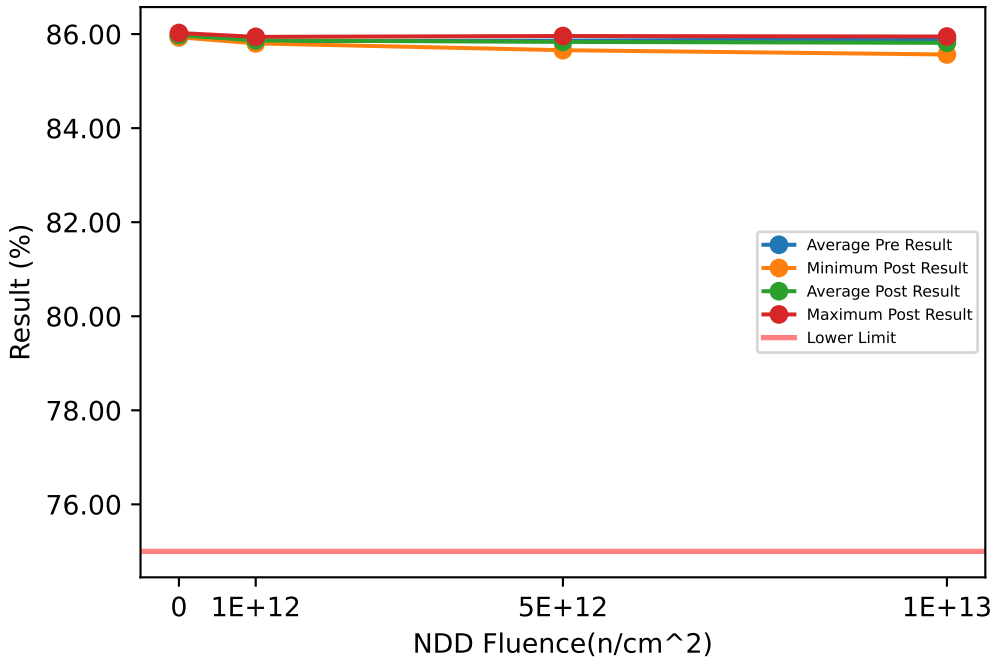


Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	86.852	87.017	87.181	0.23264	86.902	87.054	87.206	0.21496	0.025	0.0375	0.05	0.017678
1e+12	86.763	86.852	86.921	0.072067	86.769	86.866	86.934	0.076197	0.006	0.0145	0.021	0.0065574
5e+12	86.666	86.818	86.925	0.11204	86.646	86.791	86.911	0.11314	-0.042	-0.02725	-0.014	0.012633
1e+13	86.622	86.898	87.039	0.1891	86.55	86.823	86.961	0.18753	-0.078	-0.0745	-0.071	0.0035119

Device Test: 6.99 ; VOH_WDO_10MA

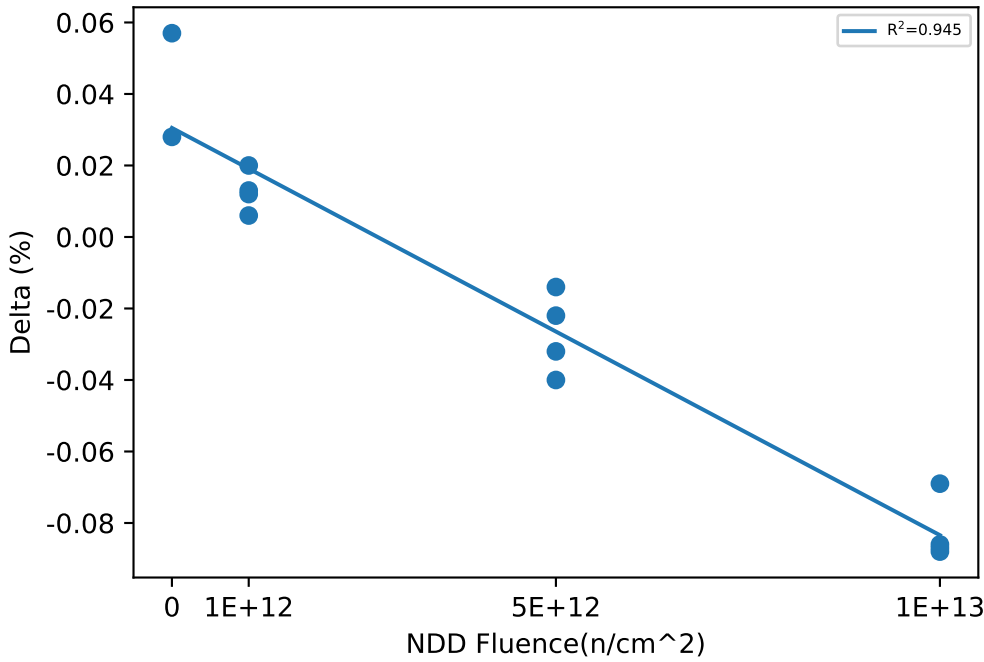
NDD vs Result Stats



Test Results (Lower Limit = 75.0 (%))

Serial #	Fluence(n/cm ²)	Exposure Conditions	Pre Result	Post Result	Delta
300	0	Correlation	85.876	85.933	0.057
301	0	Correlation	85.995	86.023	0.028
353	1e+12	NDD Unbiased	85.921	85.941	0.02
354	1e+12	NDD Unbiased	85.878	85.891	0.013
355	1e+12	NDD Unbiased	85.812	85.824	0.012
356	1e+12	NDD Unbiased	85.796	85.802	0.006
357	5e+12	NDD Unbiased	85.968	85.954	-0.014
358	5e+12	NDD Unbiased	85.679	85.657	-0.022
359	5e+12	NDD Unbiased	85.991	85.959	-0.032
360	5e+12	NDD Unbiased	85.804	85.764	-0.04
361	1e+13	NDD Unbiased	85.987	85.918	-0.069
362	1e+13	NDD Unbiased	85.652	85.566	-0.086
363	1e+13	NDD Unbiased	86.035	85.948	-0.087
364	1e+13	NDD Unbiased	85.911	85.823	-0.088

NDD vs Post - Pre Exposure Delta



Test Statistics (%)

Fluence(n/cm ²)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	85.876	85.936	85.995	0.084146	85.933	85.978	86.023	0.06364	0.028	0.0425	0.057	0.020506
1e+12	85.796	85.852	85.921	0.058232	85.802	85.865	85.941	0.063511	0.006	0.01275	0.02	0.0057373
5e+12	85.679	85.861	85.991	0.14688	85.657	85.834	85.959	0.14861	-0.04	-0.027	-0.014	0.011372
1e+13	85.652	85.896	86.035	0.17065	85.566	85.814	85.948	0.17355	-0.088	-0.0825	-0.069	0.009037

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), 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 will 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](#) or other applicable terms available either on [ti.com](https://www.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.

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

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265

Copyright © 2025, Texas Instruments Incorporated