



Resent results.

Olena Karacheban, DESY-Zeuthen
CMS weekly meeting, 17 Feb. 2014

Lab measurements

Sheet1

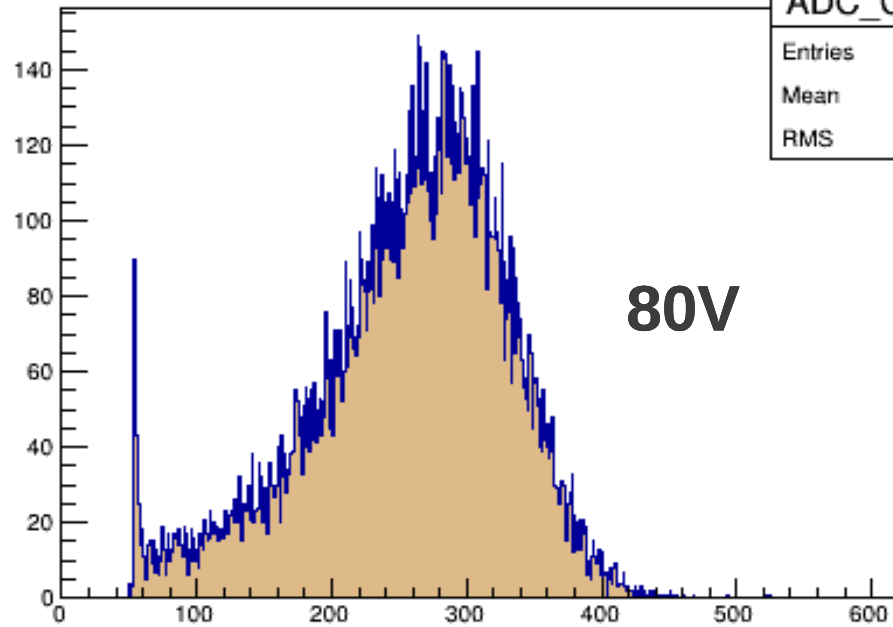
Date	Measurement	Diamond Name	Name
11.02.14	Optical Microscope	PLT S67 x	Maria Lucia?
	CCE	pCVD P37	
12.02.14	Optical Microscope	PLT S82 x	Jessica
	Optical Microscope	PLT S107 x	Jessica
	CCE	pCVD 47	Olena Olena
13.02.14	Optical Microscope	PLT S101 x	Olena
	Optical Microscope	PLT S134 x	Olena
	CCE	pCVD CMS 06 0	Lucia
14.02.14	Optical Microscope	sCVD 2571308-1	Olena
	Optical Microscope	sCVD 2571308-2	Olena
	CCE	pCVD CMS 07 0	Lucia
17.02.14	Optical Microscope	sCVD 2571308-3	Jessica
	Optical Microscope	SCVD 2571308-4	Lucia Jessica
	CCE	pCVD CMS08 0	Lucia
18.02.14	Optical Microscope	SCVD 2571308-5	Olena
	Optical Microscope	SCVD 2571308-6	Olena
	CCE	pCVD CMS 10 0	Jessica
19.02.14	Optical Microscope		Lucia
	CCE	pCVD CMS 11 0	Lucia
20.02.14	Optical Microscope		
	CCE	pCVD CMS 12 0	Maria
21.02.14	Optical Microscope		
	CCE	pCVD CMS 15 6	Jessica

Optical for PLT are done, they are in the frames inn line for IV and CT

BCM1LP47

ADC_Ch_4

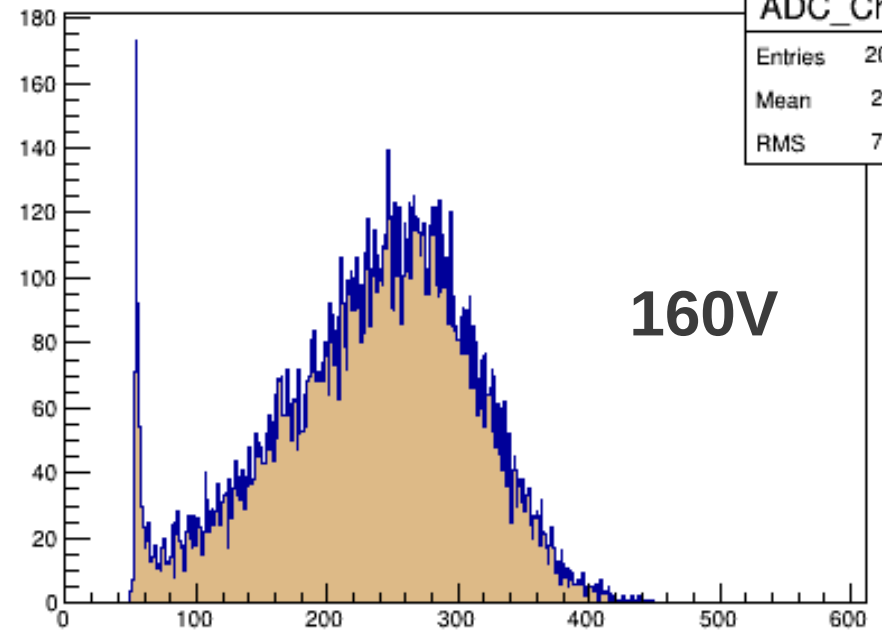
Entries	20000
Mean	257.1
RMS	72.47



BCM1LP47

ADC_Ch_4

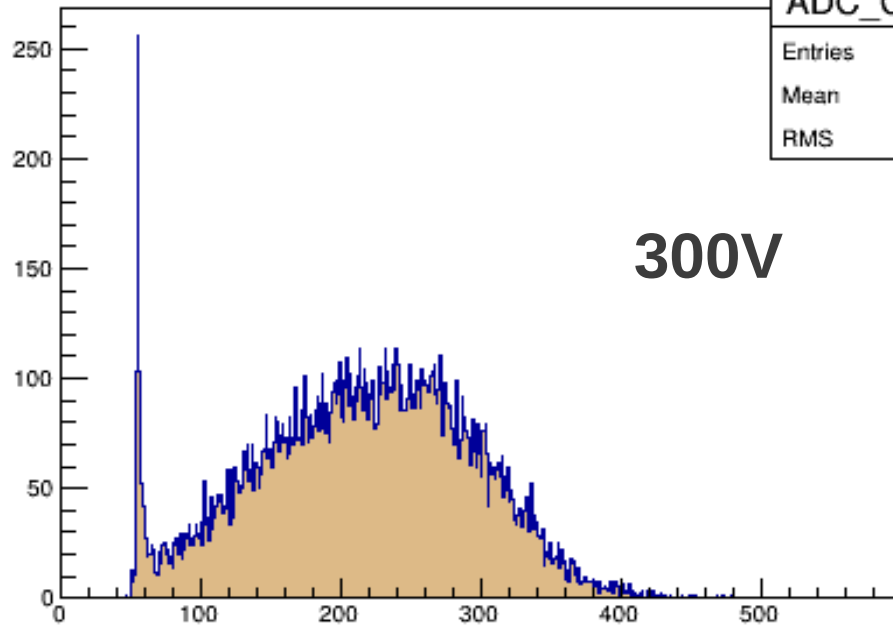
Entries	20000
Mean	234.4
RMS	75.59



BCM1LP47

ADC_Ch_4

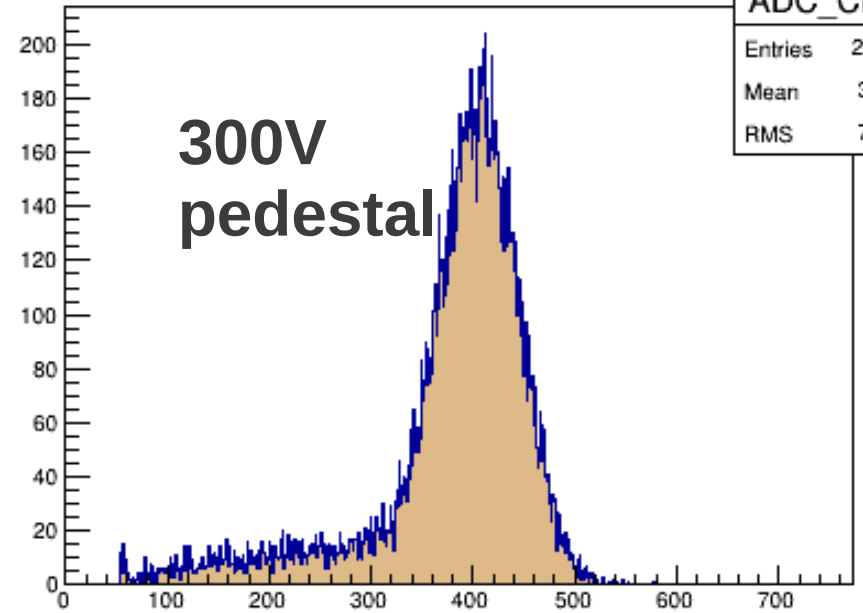
Entries	20000
Mean	215
RMS	76.51



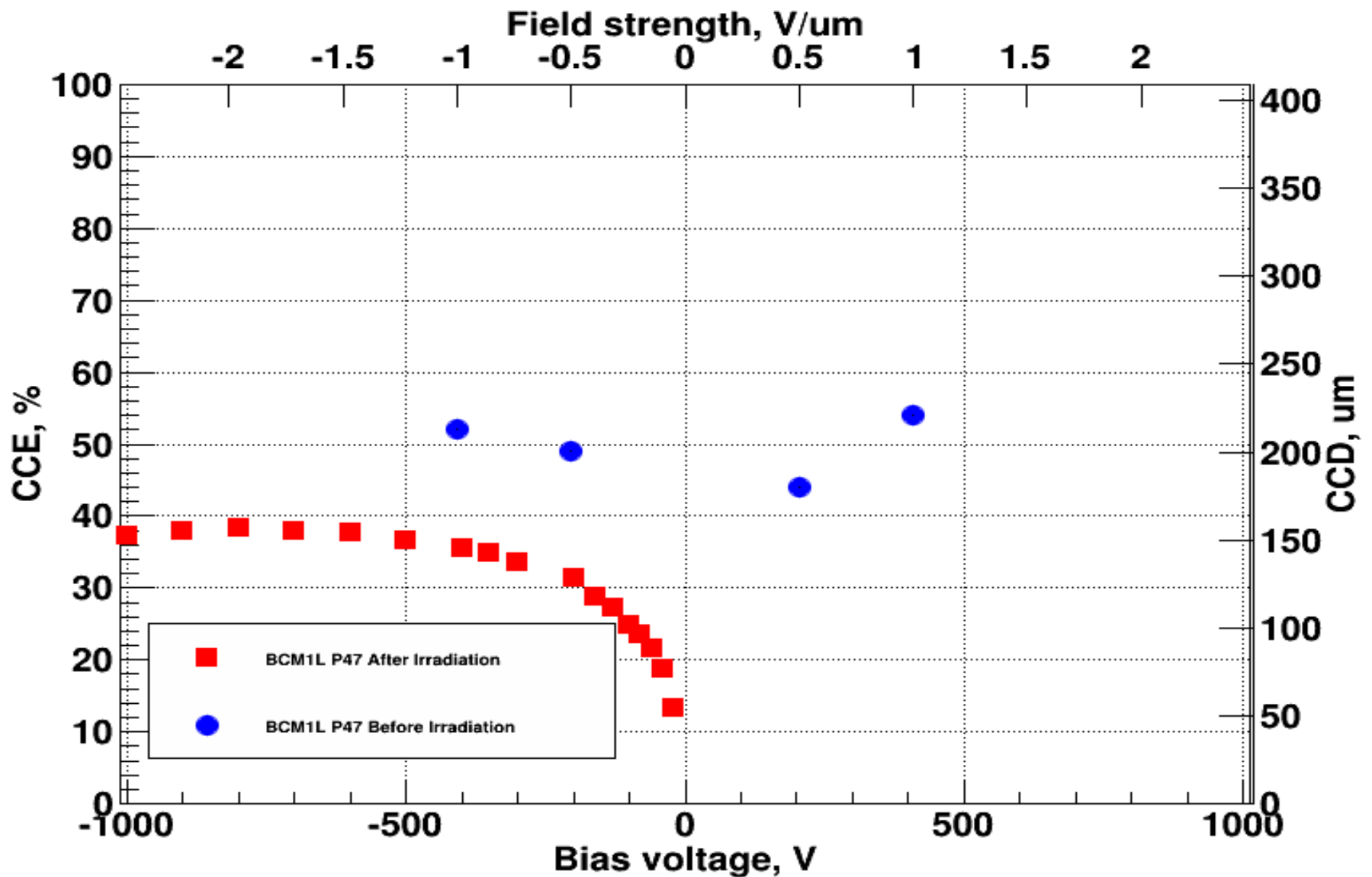
BCM1LP47

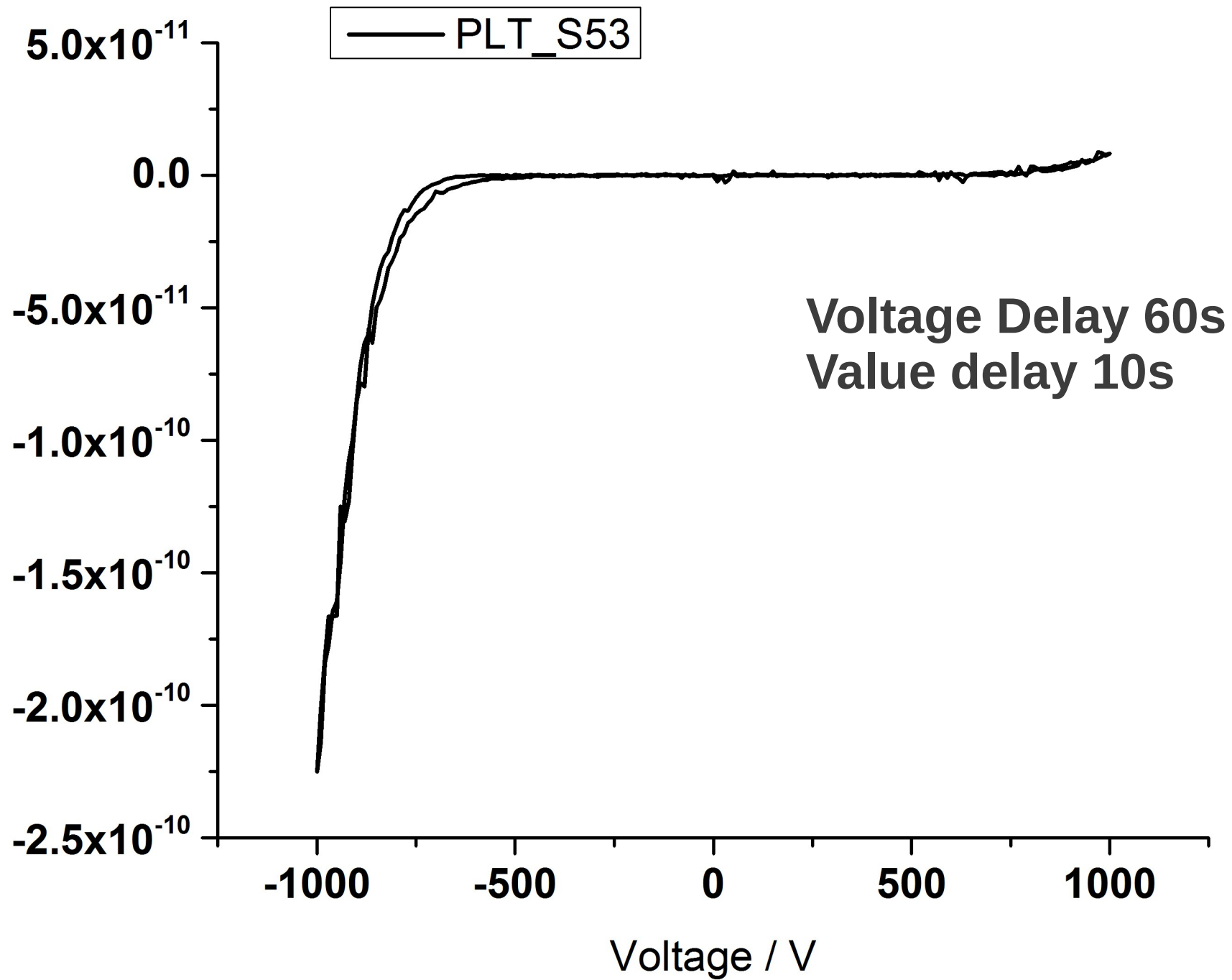
ADC_Ch_4

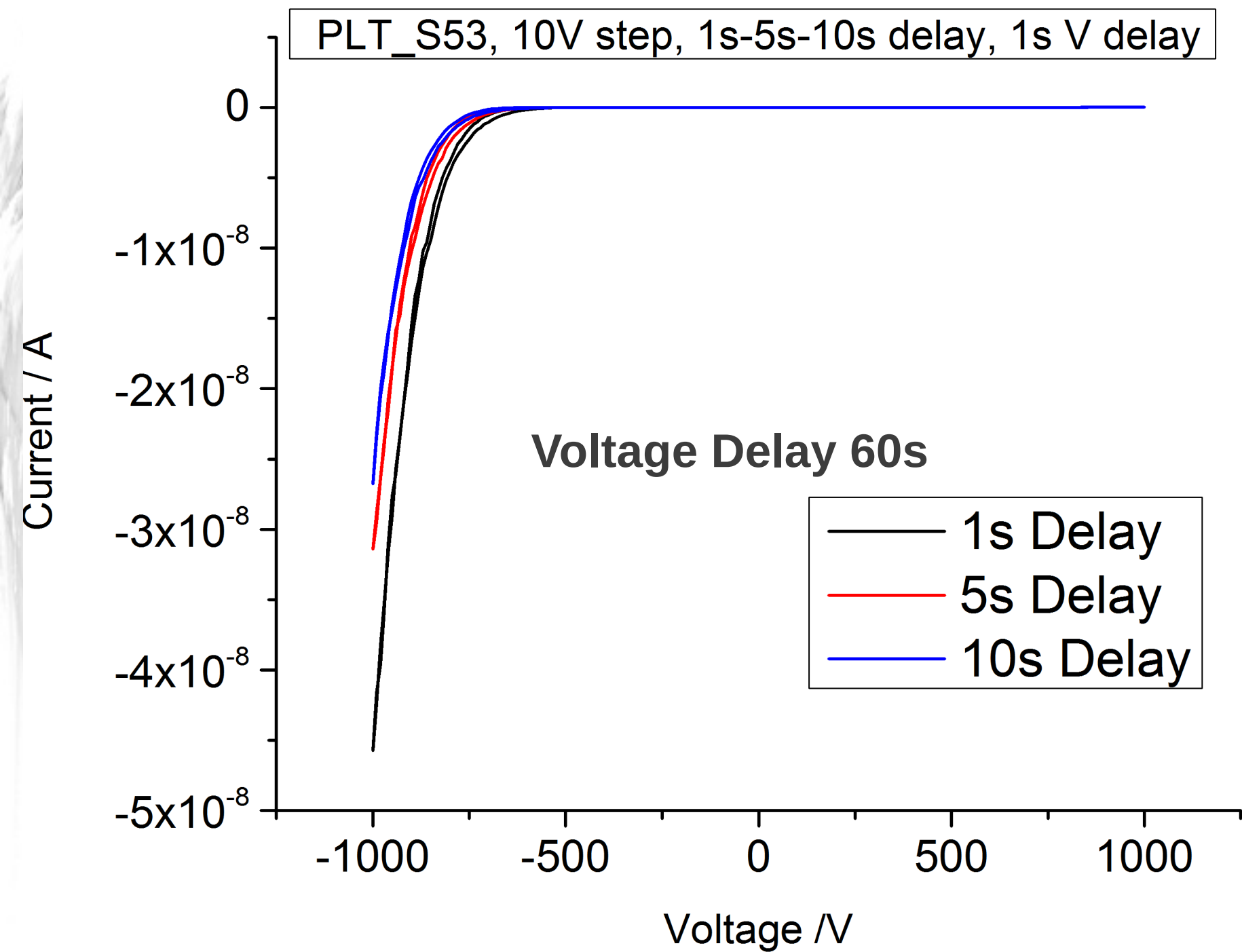
Entries	20000
Mean	379.7
RMS	78.72



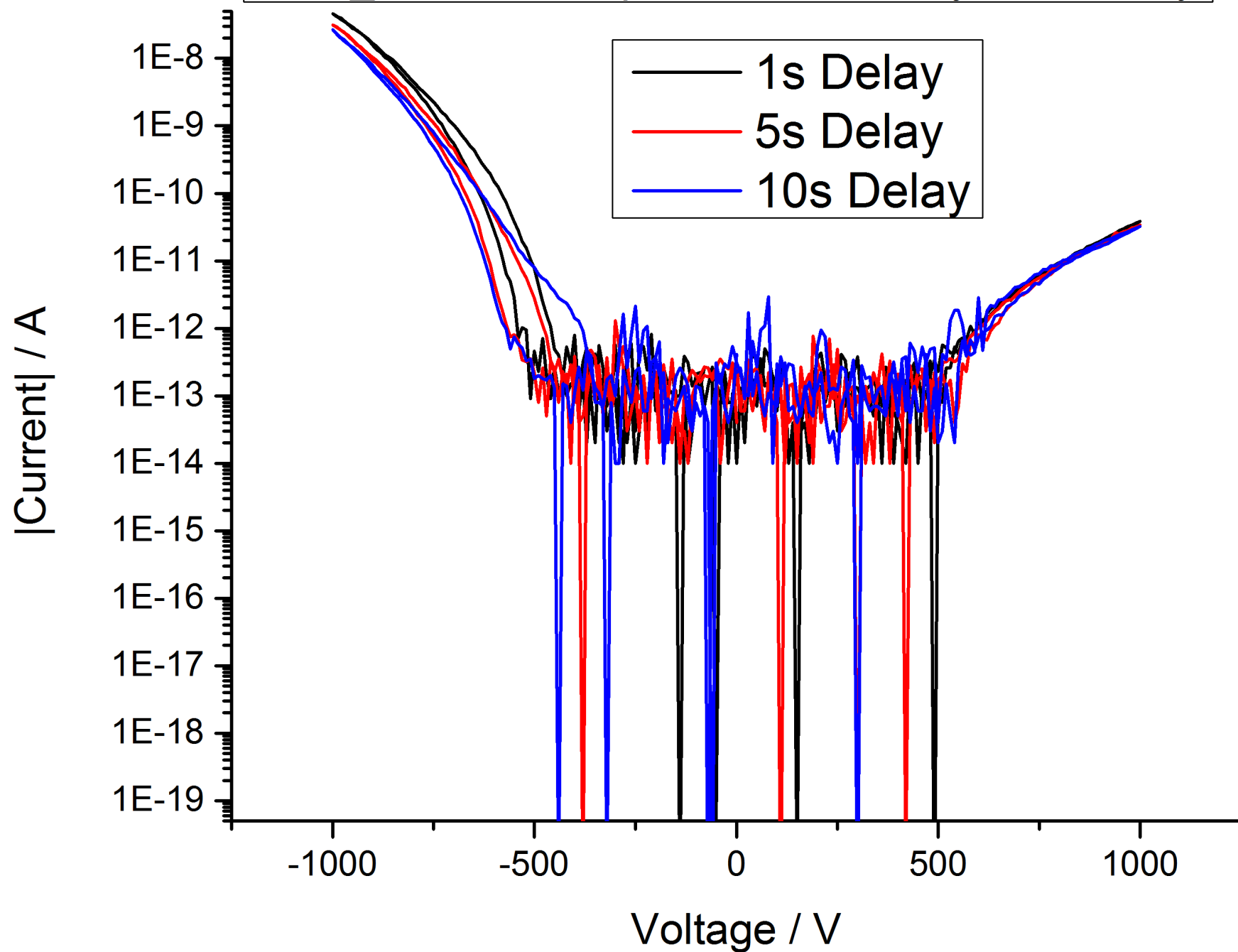
CCE for BCM1L P47



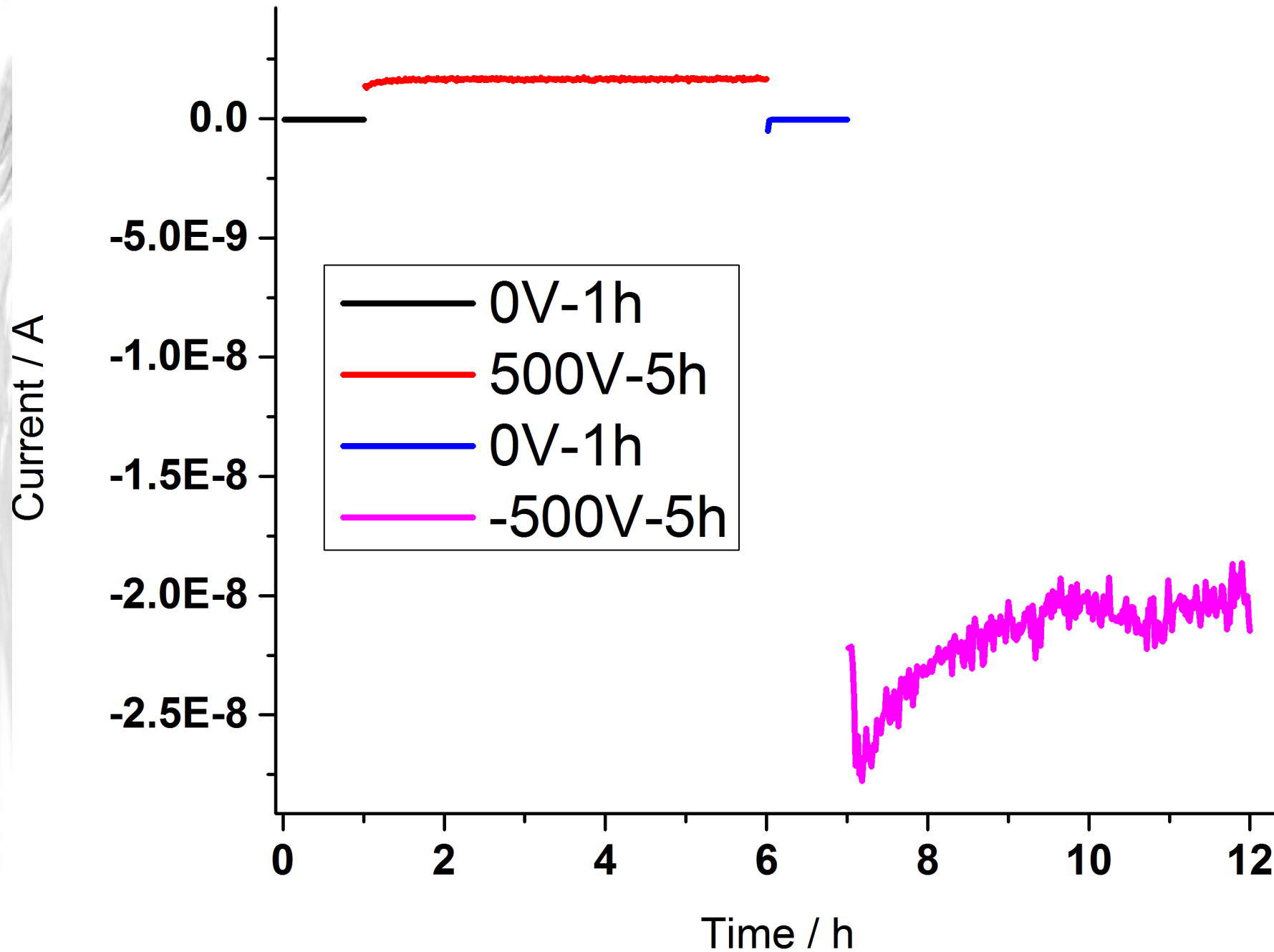


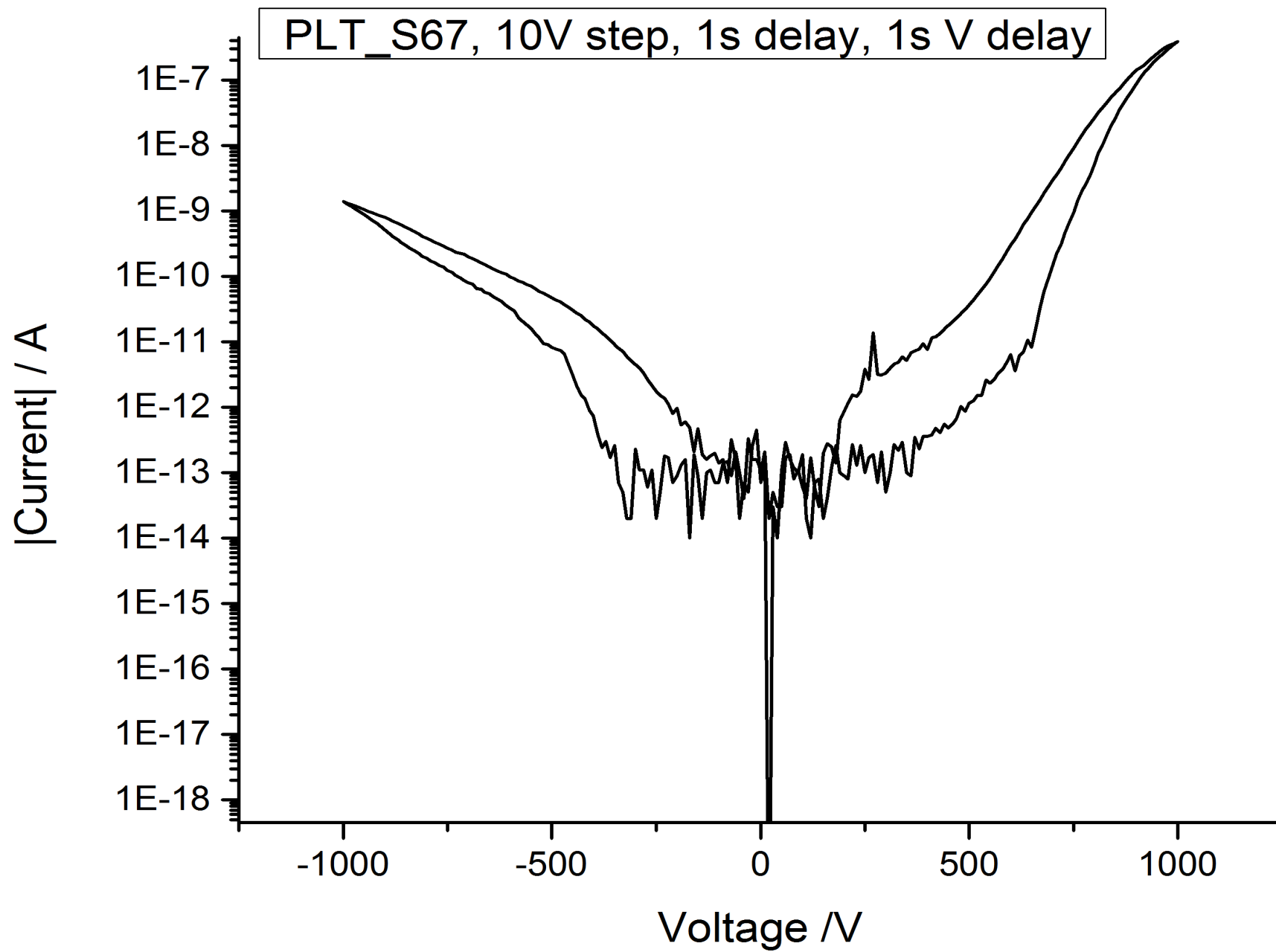


PLT_S53, 10V step, 1s-5s-10s delay, 1s V delay



PLT S53 - Current Over Time



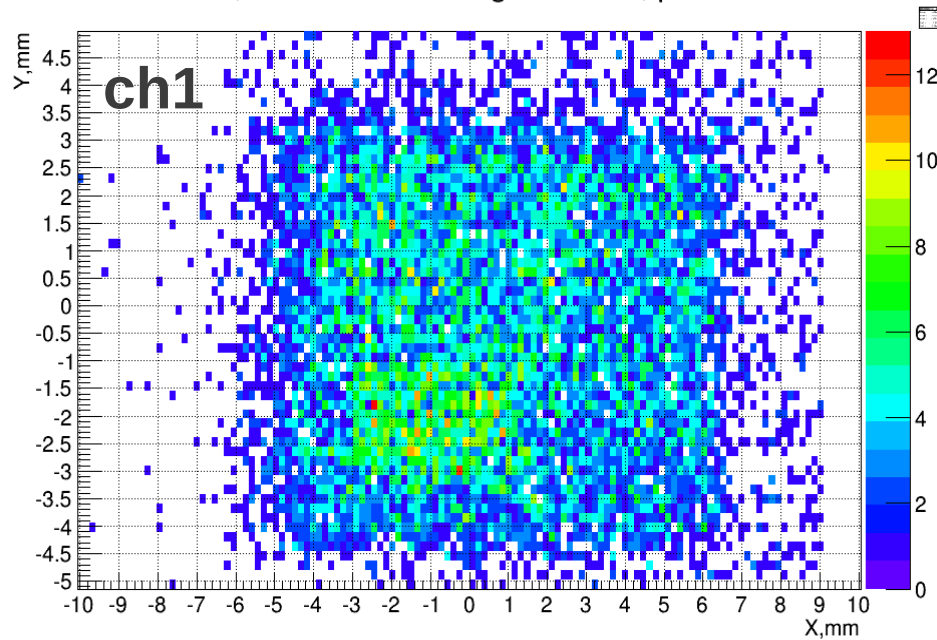


Diamont analuses

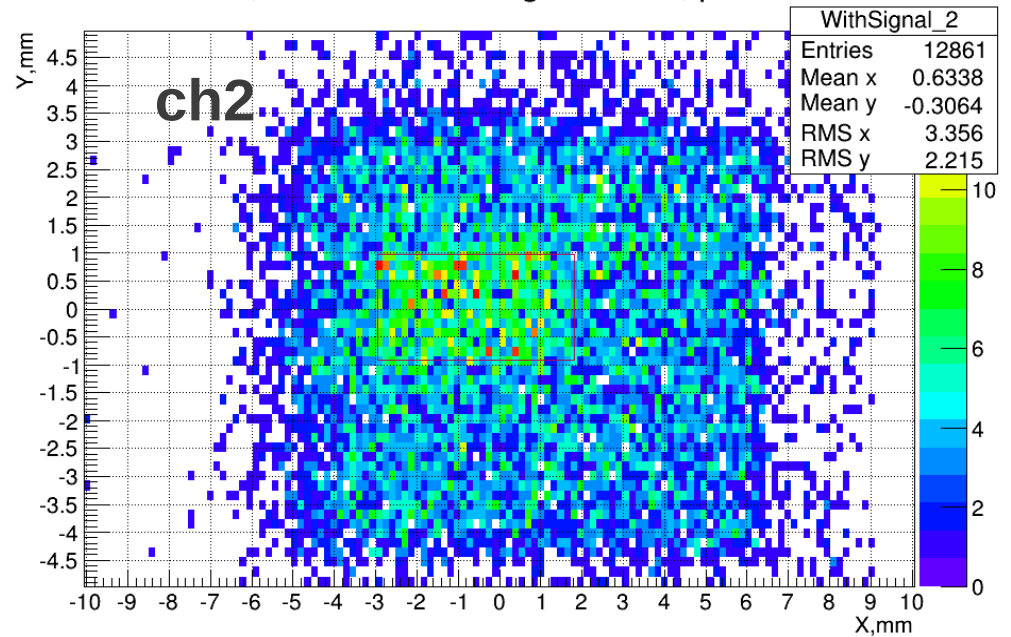
- Analysis soft installed on alibava for 2pad diamond,
- I will write instructions for it.
- Area for 1ped diamond will be also done.

Two Pad Diamond position

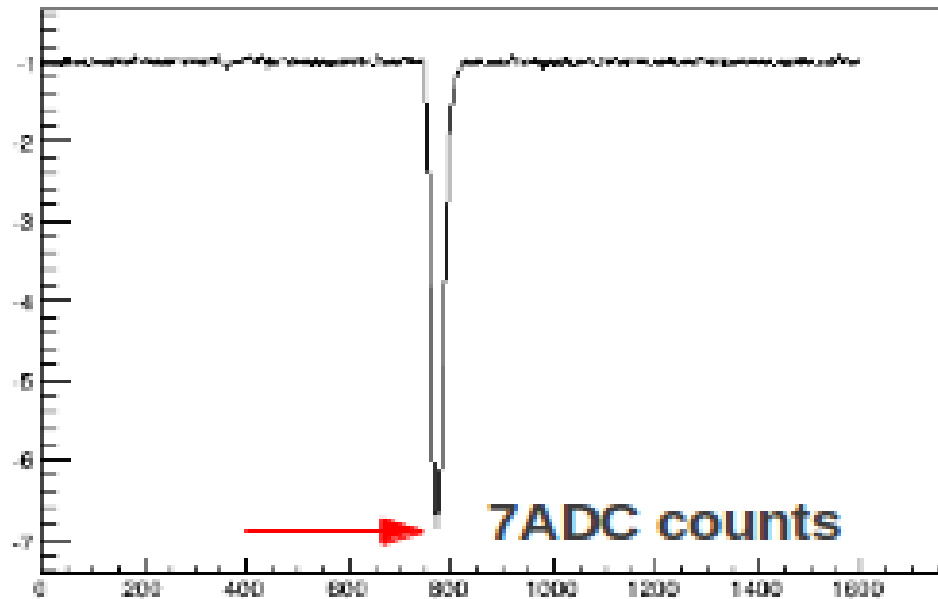
Hits, when we see a signal in ch1, plane 3



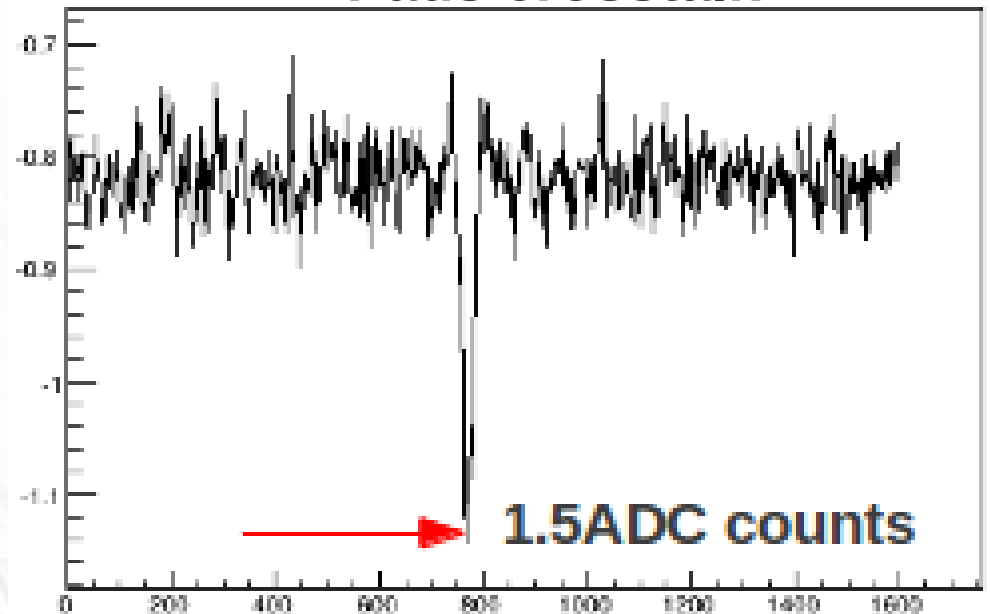
Hits, when we see a signal in ch2, plane 3



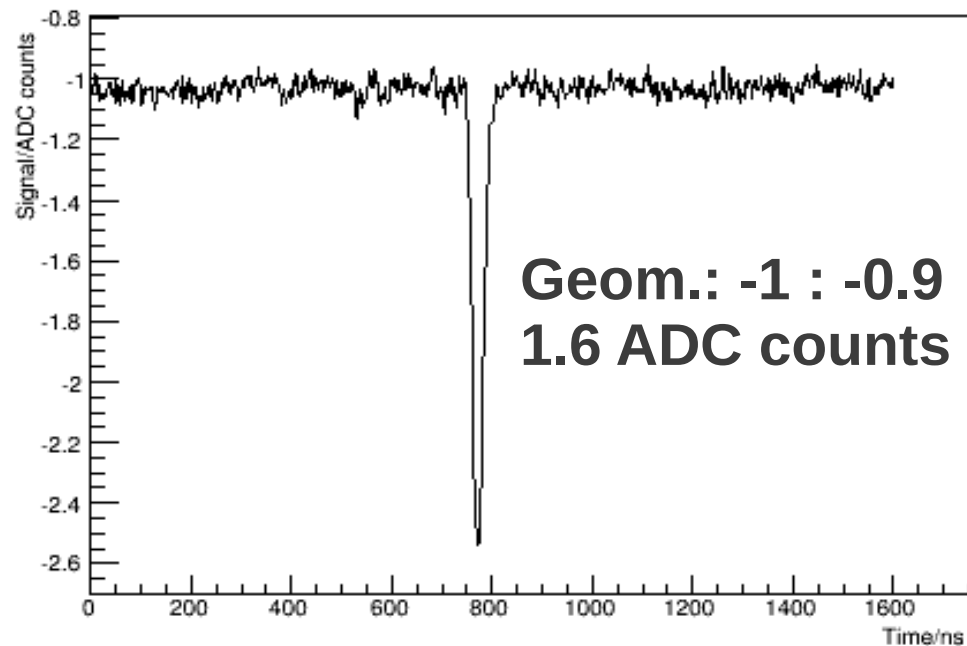
Averaged Signal — Baseline ch1



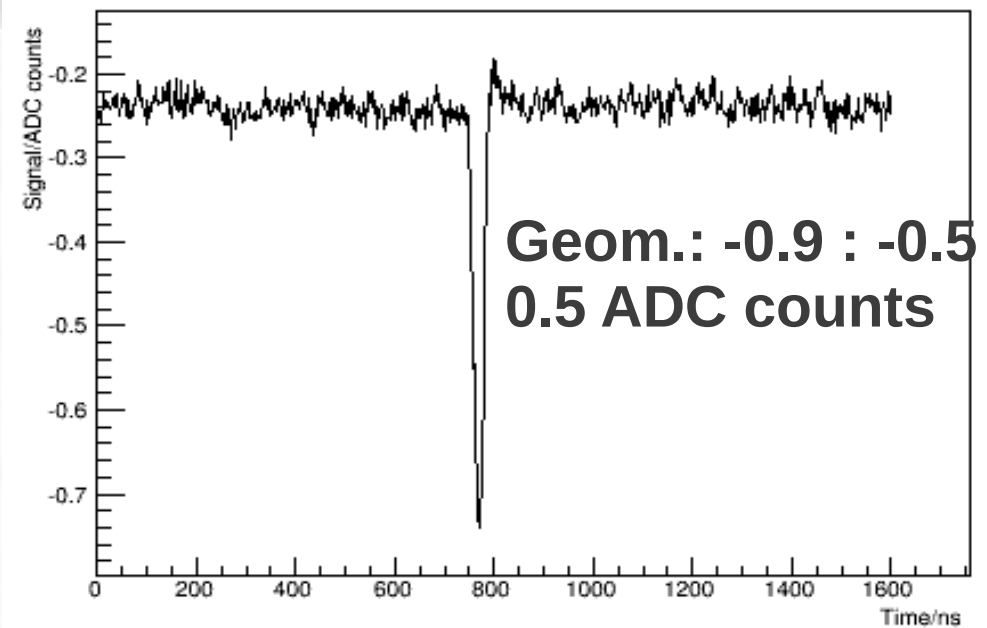
Pads crosstalk



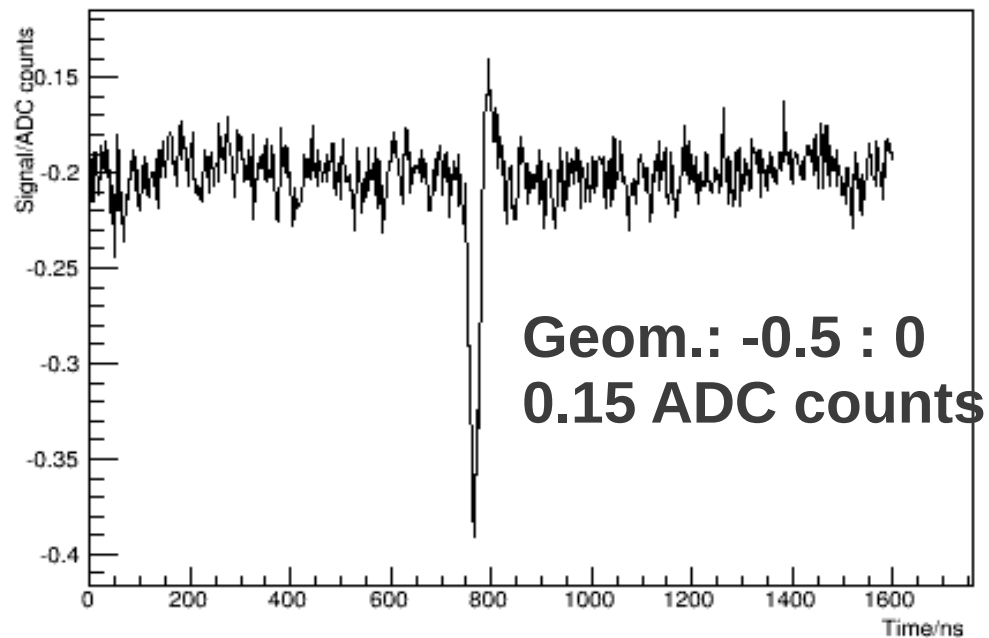
Averaged Signal - Averaged Baseline



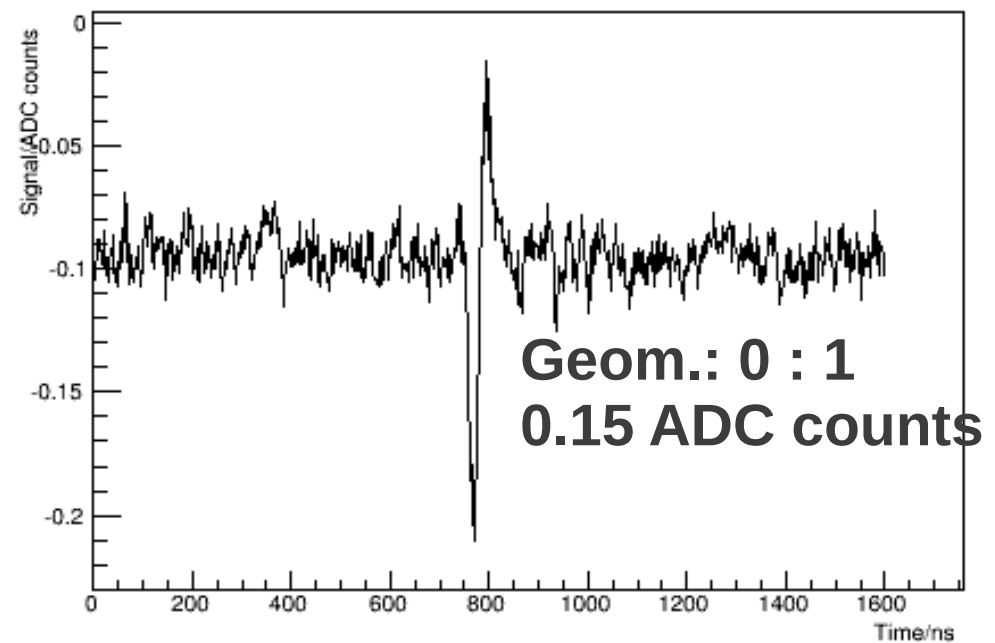
Averaged Signal - Averaged Baseline



Averaged Signal - Averaged Baseline



Averaged Signal - Averaged Baseline



Sapphire analysis

- I prepared files for voltage scan check, will be done soon.
- To discuss with Wolfgang Lange:
 - - runs w/o TLU,
 - - thickness
 - - calibration