

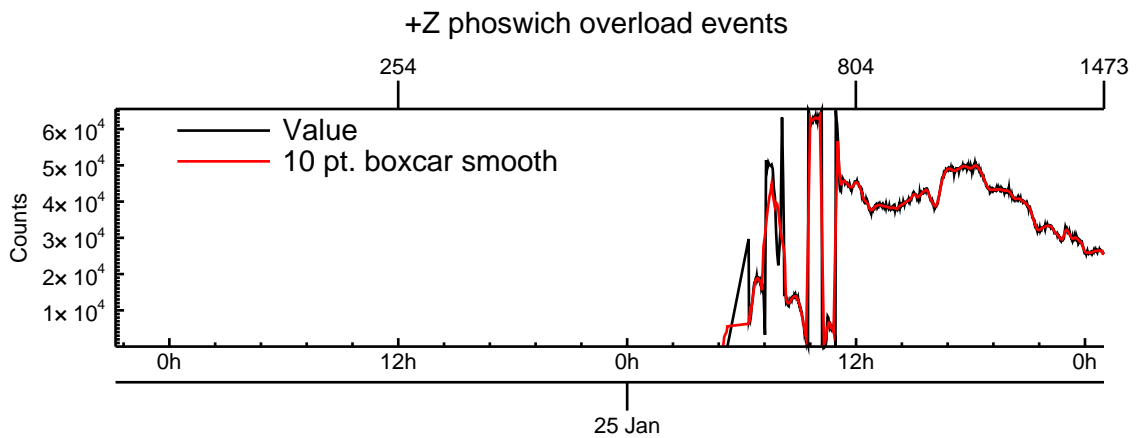
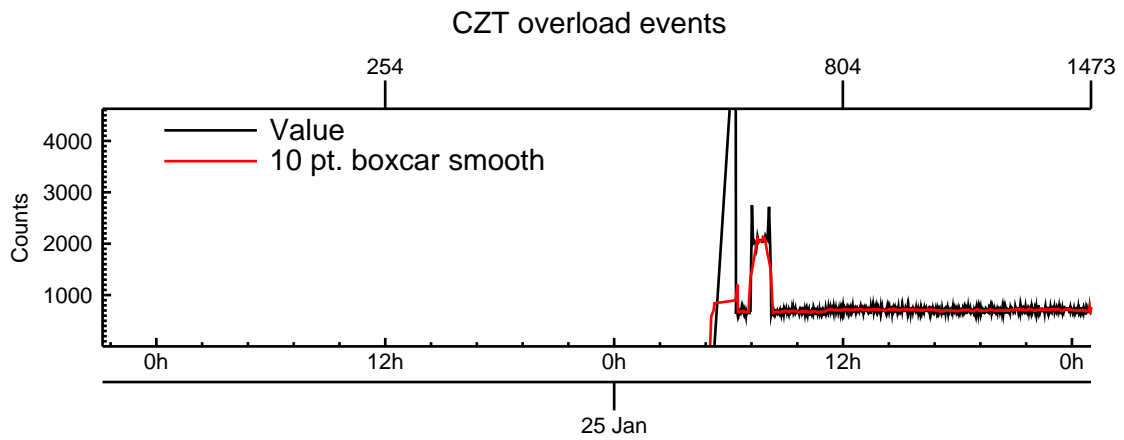
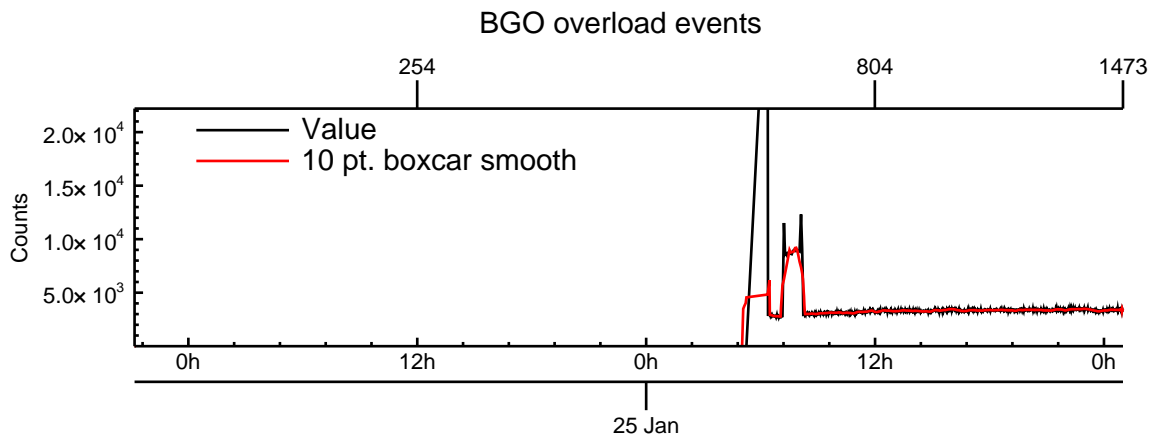
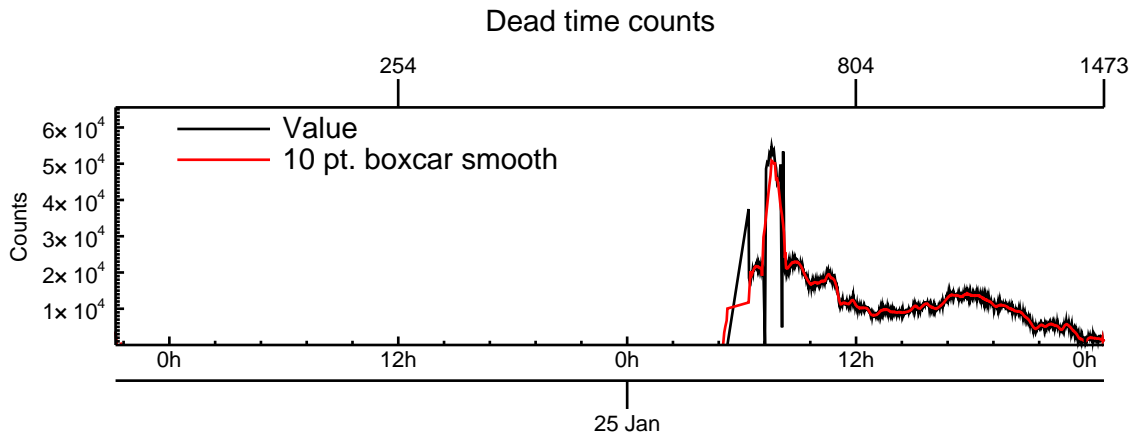
NASA Dawn Mission

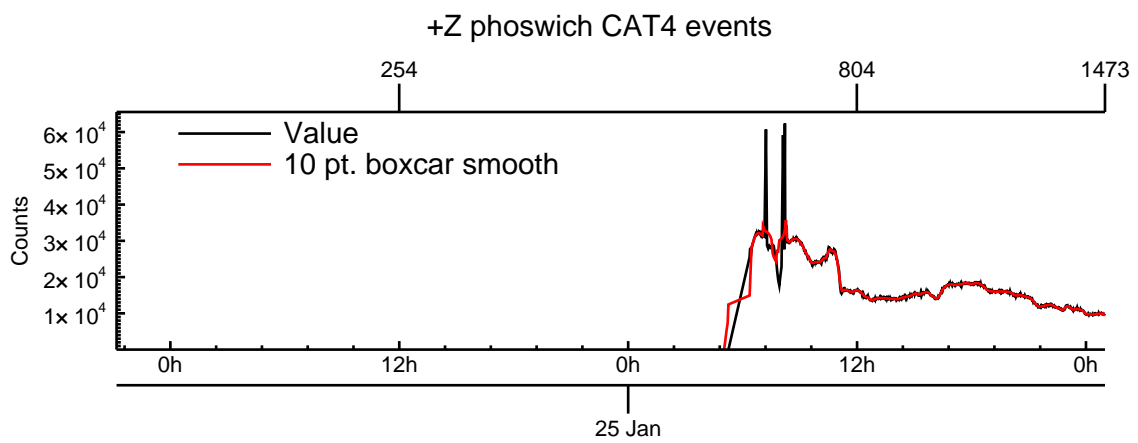
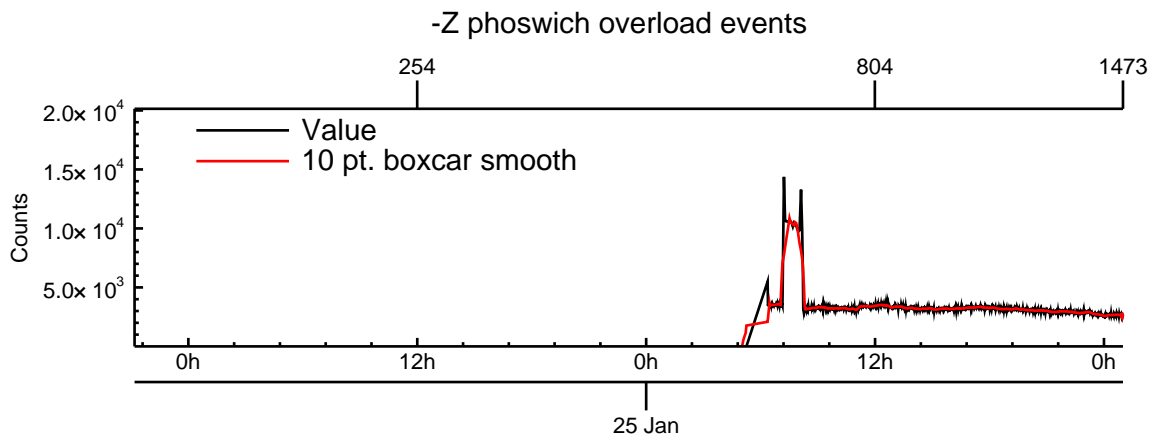
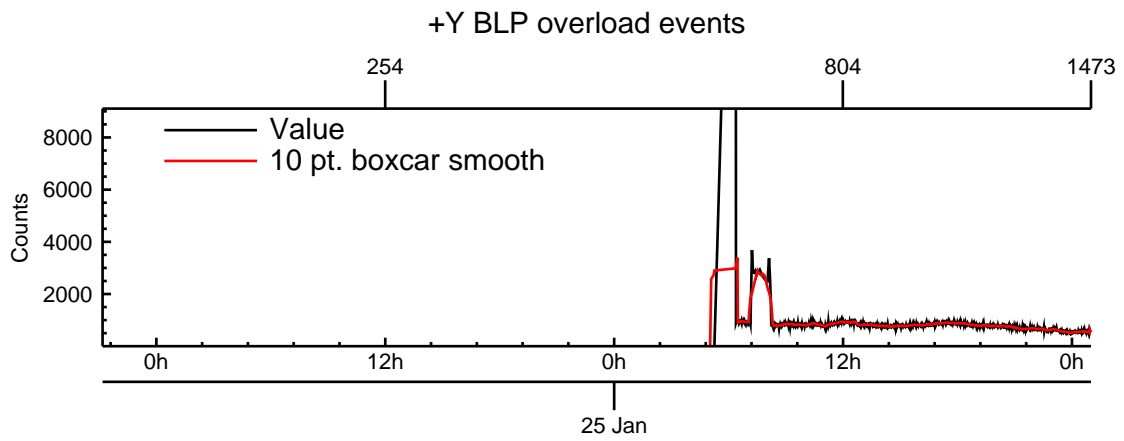
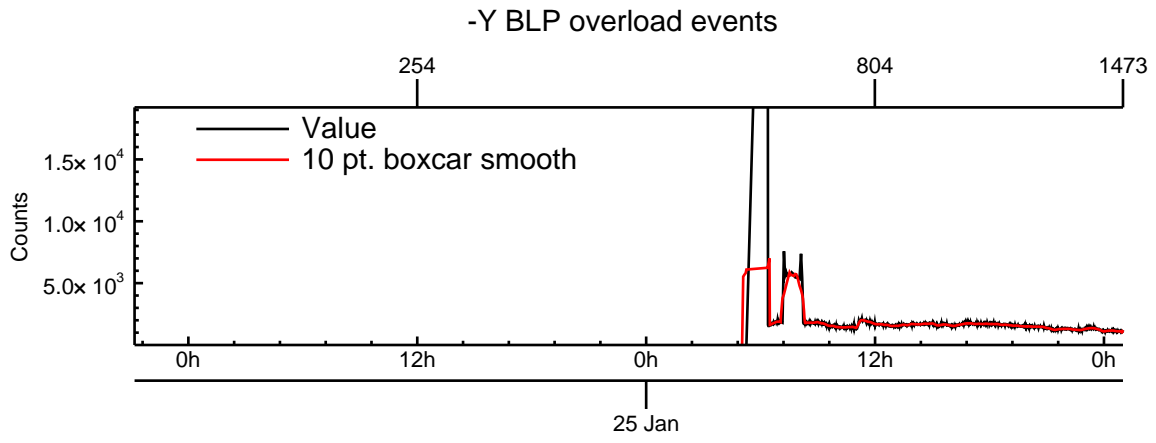
GRaND@Vesta Browse Charts

GRD-L1A-120123-120126_130628

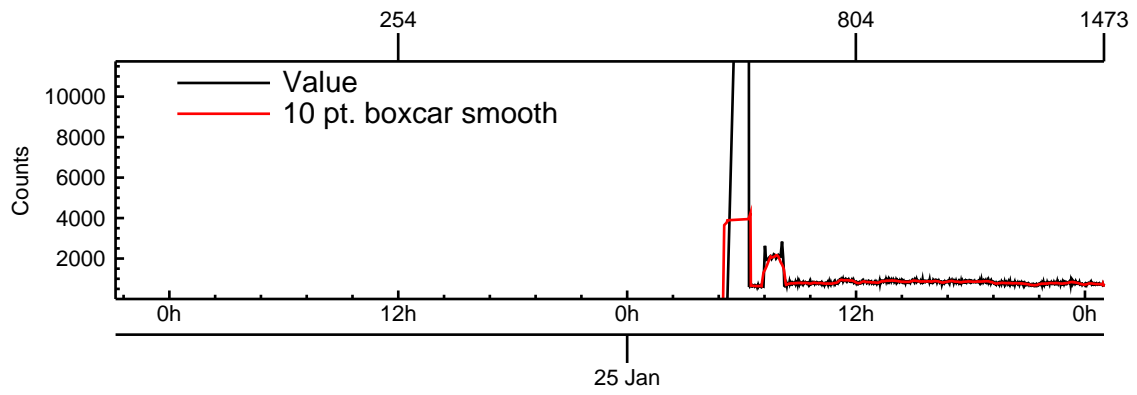
- Number of science records: 1474
0 missing science packets with 0 gaps.
Start/End: 2012-01-23T21:10:14 to 2012-01-26T00:59:16
- Number of SOH records: 5360
0 missing SOH packets with 0 gaps.
Start/End: 2012-01-23T20:56:25 to 2012-01-26T00:59:25
- Comments: Browse charts.
 - Provides an overview of data contained within this directory.
 - Refer to the .STA file for detailed state information.
 - The energy scale for calibrated spectra may not be accurate.
- Number of states = 114
- Instrument settings for first state (STATE_INDEX 0):

TELREADOUT	60	NEMG_TOT_EVTS	3876
TELSOH	60	NEMG_CZT_EVTS	2000
MODE	0	NEMN_TOT_EVTS	2800
HVPS1	0	L_BGO_CW	24
HVPS1_SET	0	H_BGO_CW	42
HVPS2	0	L_BGO_ROI	1
HVPS2_SET	0	H_BGO_ROI	64
HVPS3	0	L_BLP_MY_CW	15
HVPS3_SET	0	H_BLP_MY_CW	38
HVPS4	0	L_BLP_MY_ROI	1
HVPS4_SET	0	H_BLP_MY_ROI	64
HVPS5	0	L_BLP_PY_CW	12
HVPS5_SET	0	H_BLP_PY_CW	37
HVPS6	0	L_BLP_PY_ROI	1
HVPS6_SET	0	H_BLP_PY_ROI	64
PM5_LVPS	0	L_BLP_MZ_CW	14
P12_LVPS	0	H_BLP_MZ_CW	35
HEATERS_ENABLE	0	L_BLP_MZ_ROI	1
CZT_PM5_LVPS	0	H_BLP_MZ_ROI	64
CZT_ENABLES		L_BLP_PZ_CW	14
	0000000000000000	H_BLP_PZ_CW	35
		L_BLP_PZ_ROI	1
		H_BLP_PZ_ROI	64

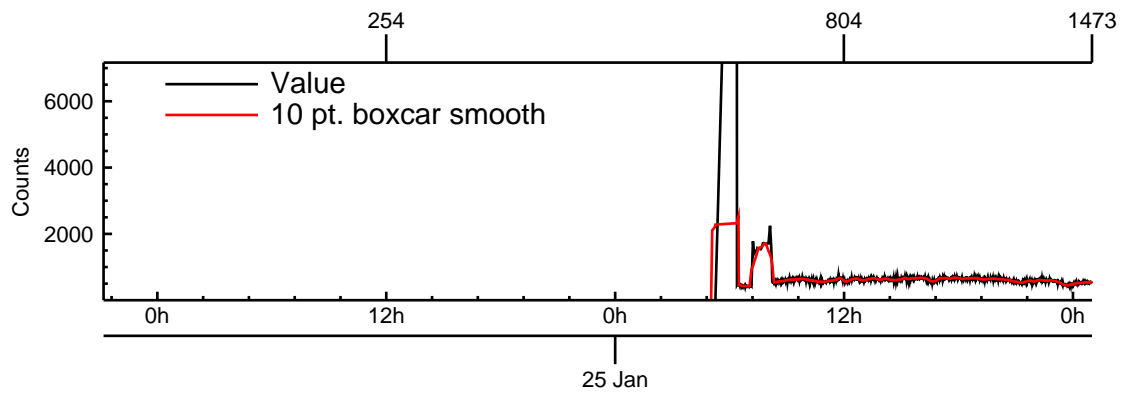




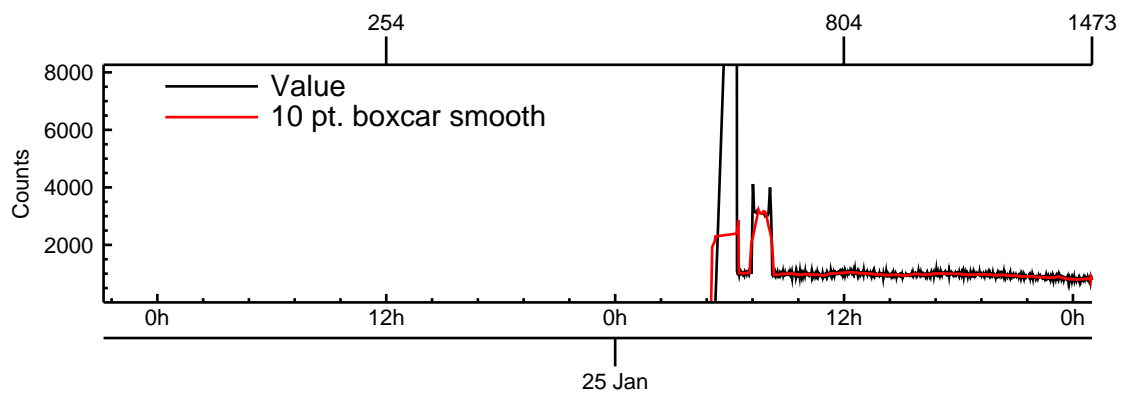
-Y BLP CAT4 events



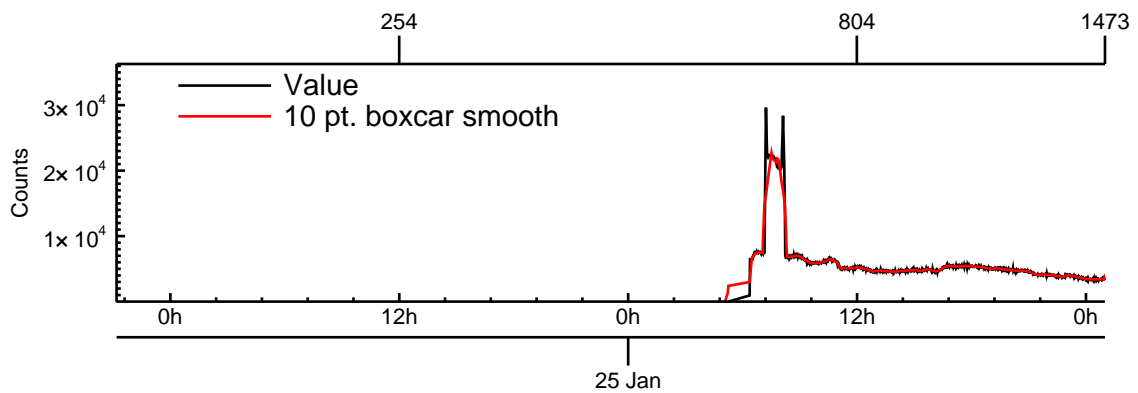
+Y BLP CAT4 events



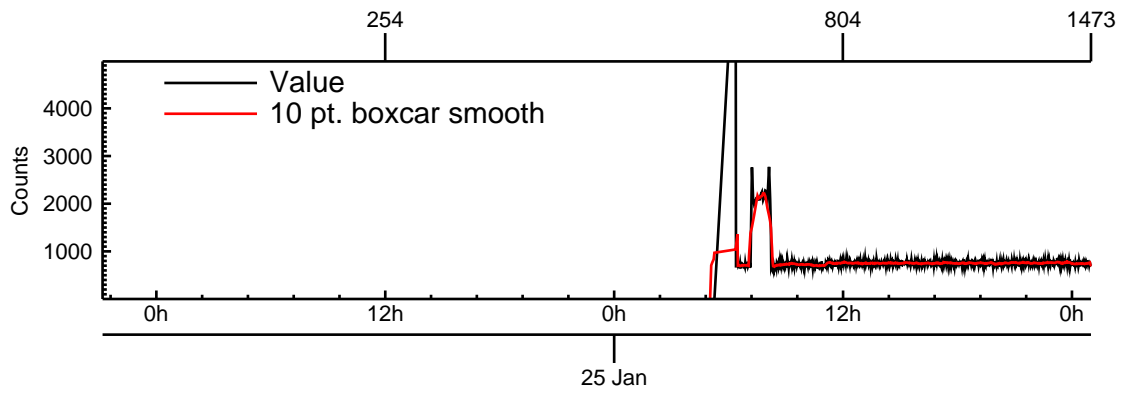
-Z phoswich CAT4 events



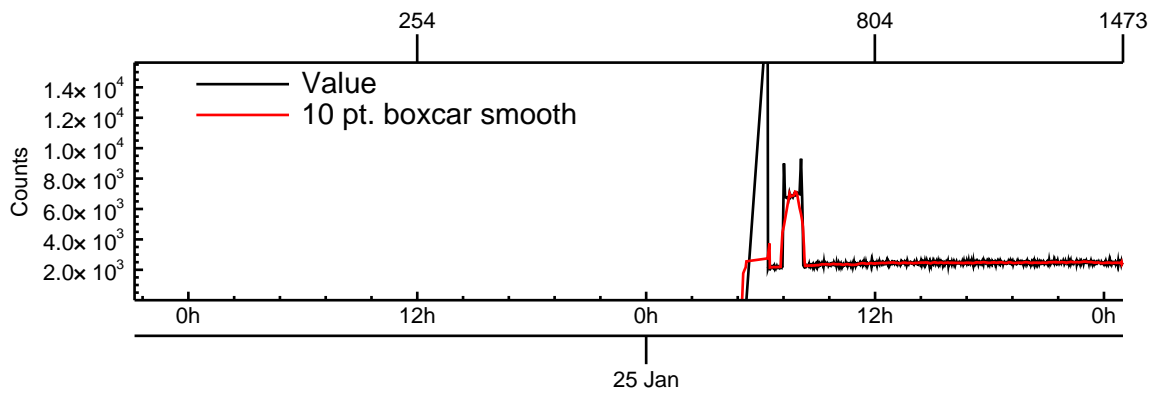
Early second interaction events



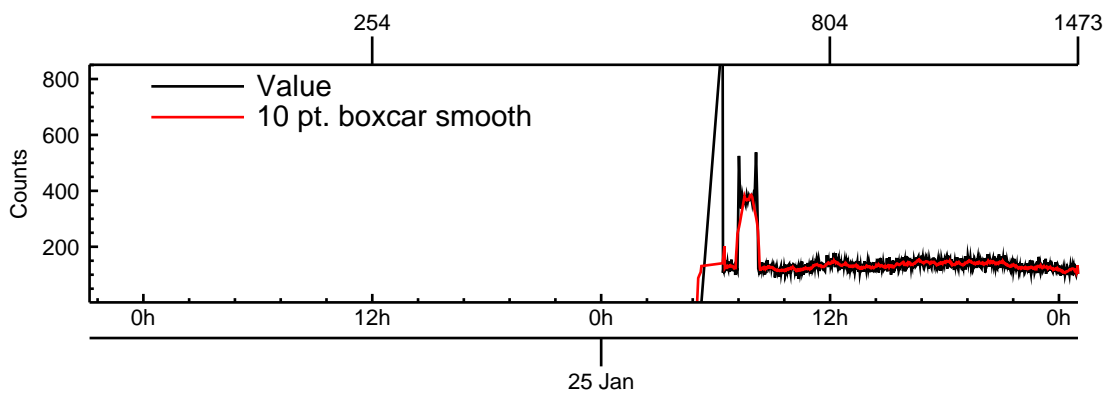
Multiple-crystal CZT events



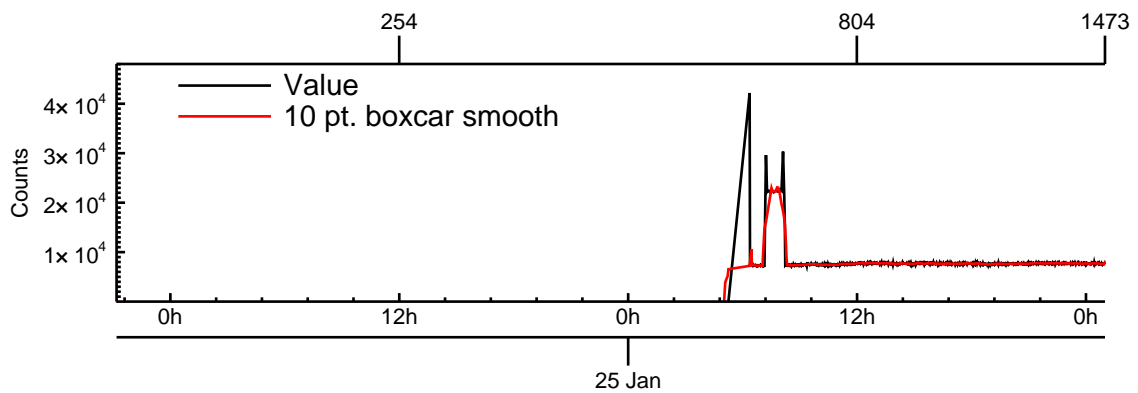
Valid CZT events (CAT10)



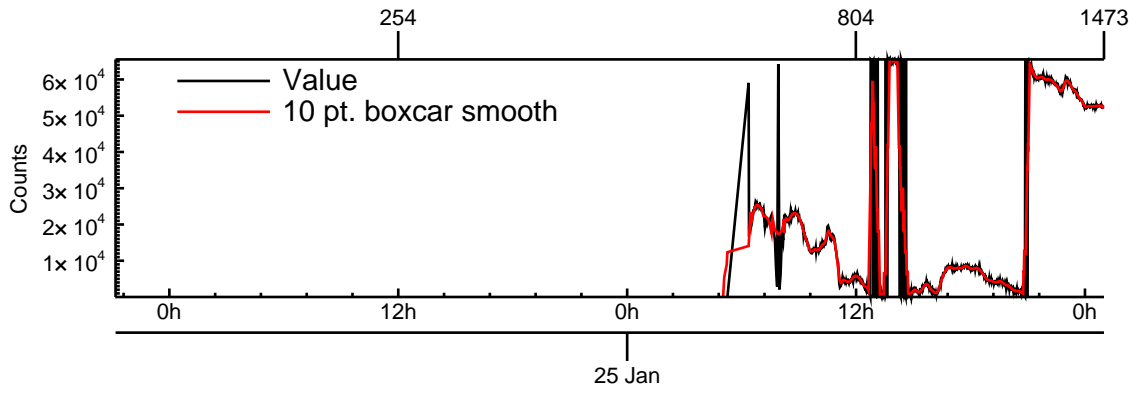
Coincidence BGO and CZT events (CAT7)



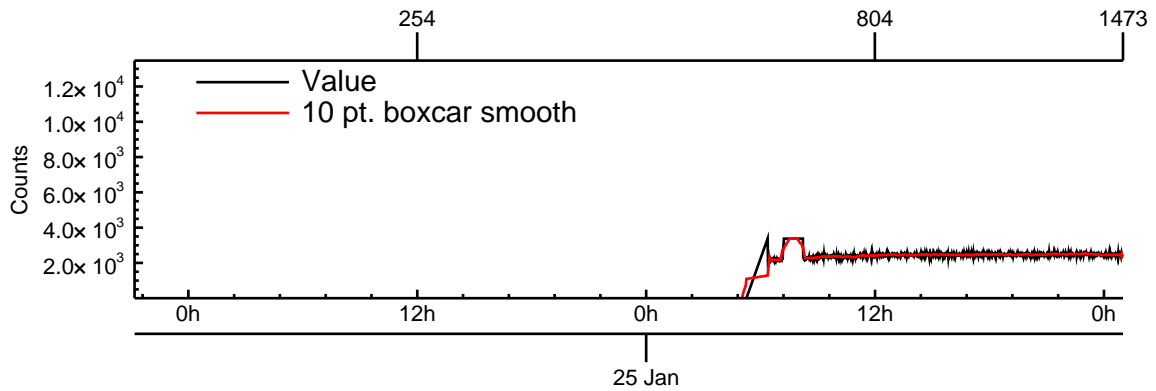
Coincidence of three or more sensor elements



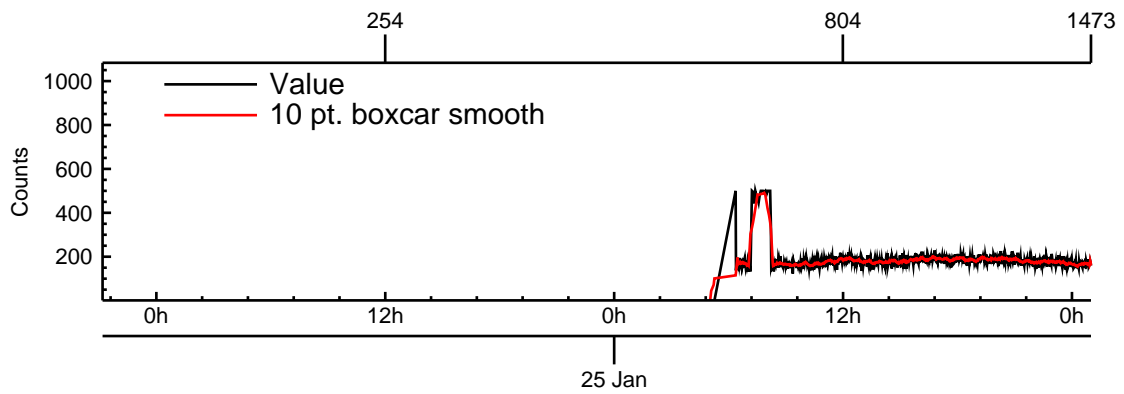
Total events processed by GRaND



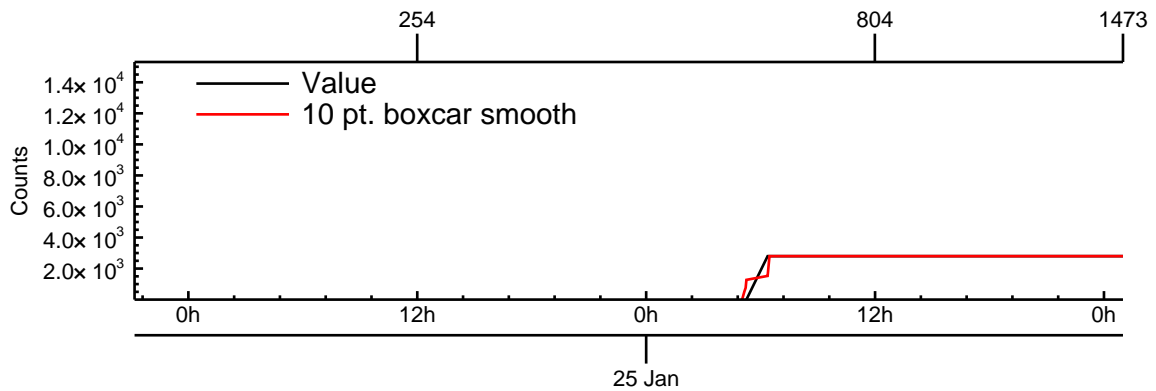
Number of single CZT events (CAT10) in the gamma ray event buffer

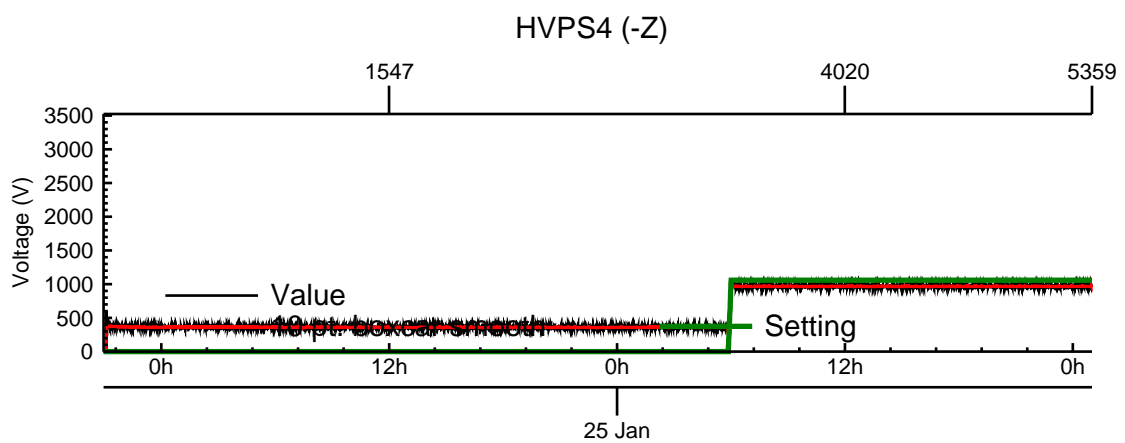
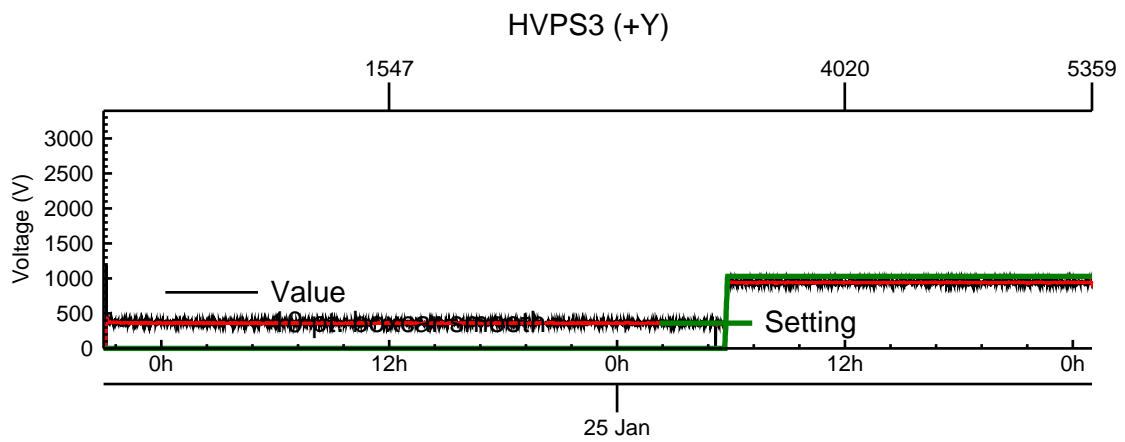
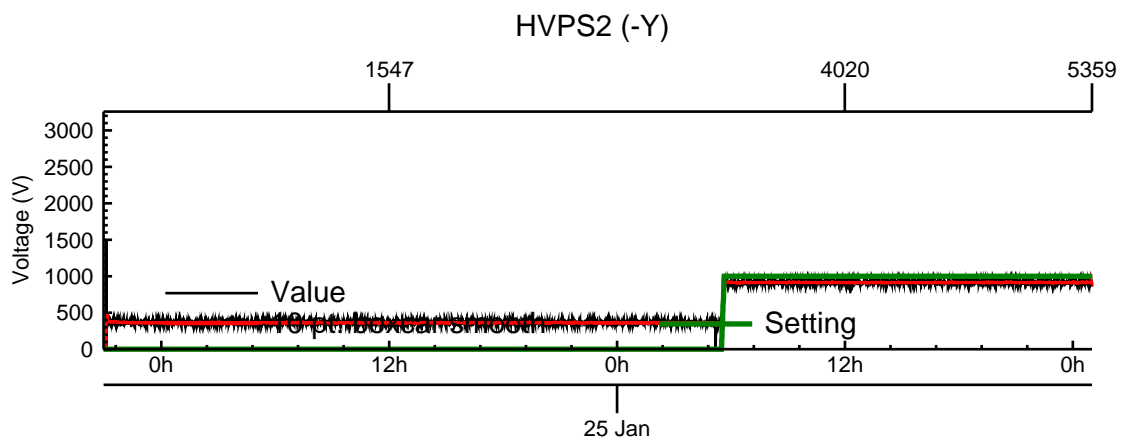
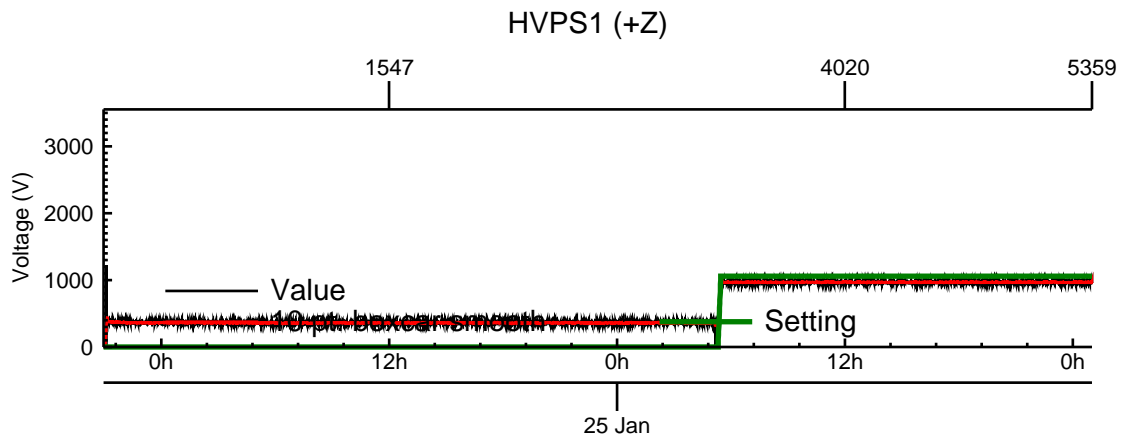


Number of BGO-CZT events (CAT7) in the gamma ray event buffer

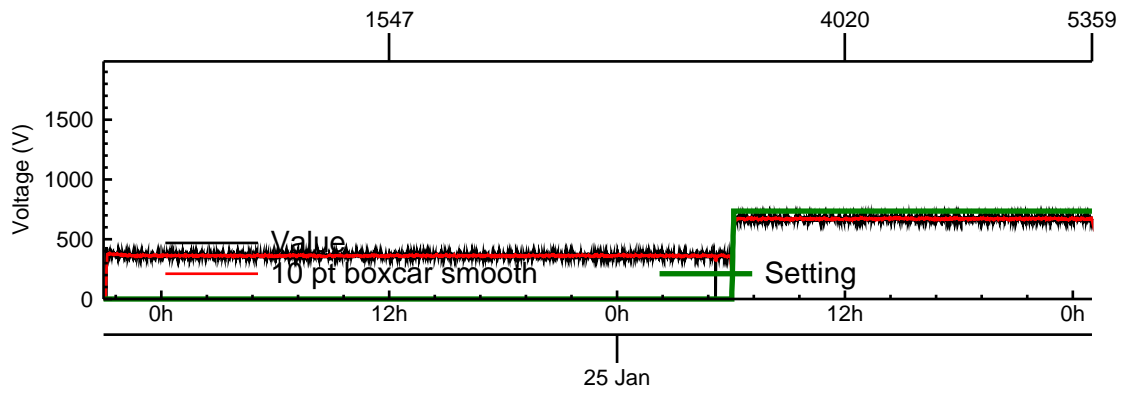


Number of events (CAT4) in the neutron event buffer

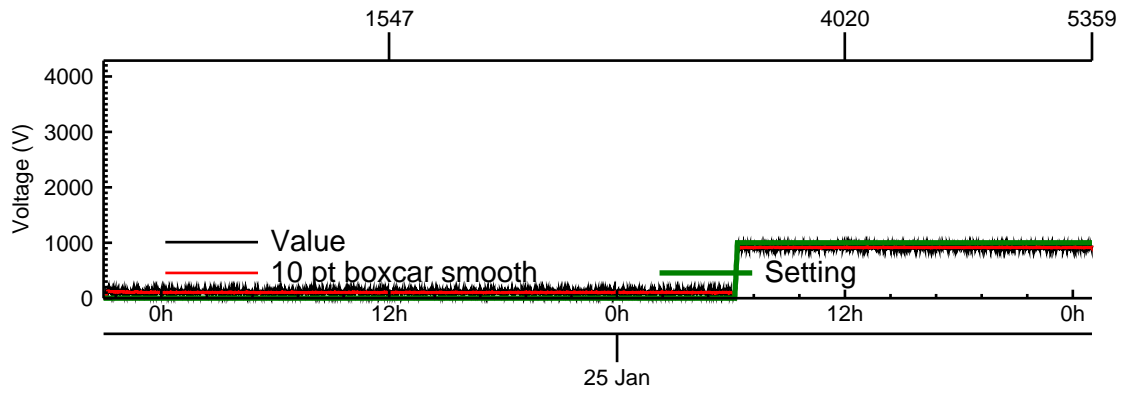




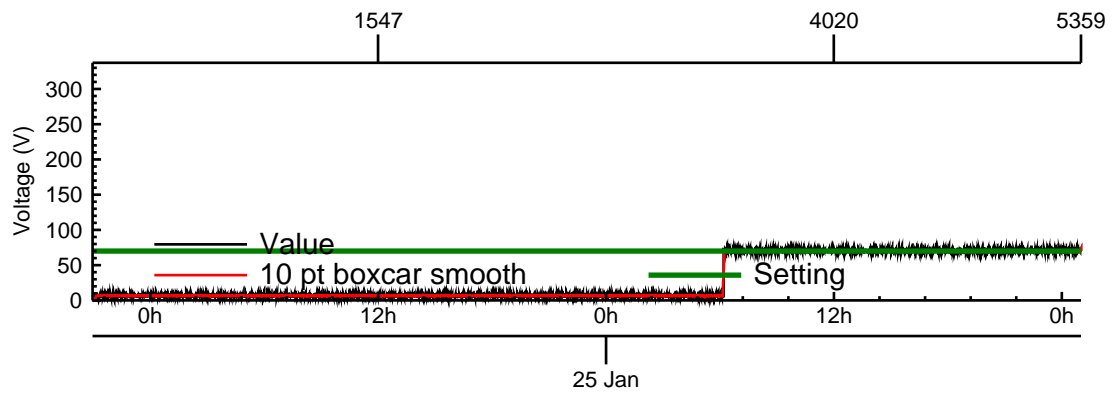
HVPS5 (BGO)



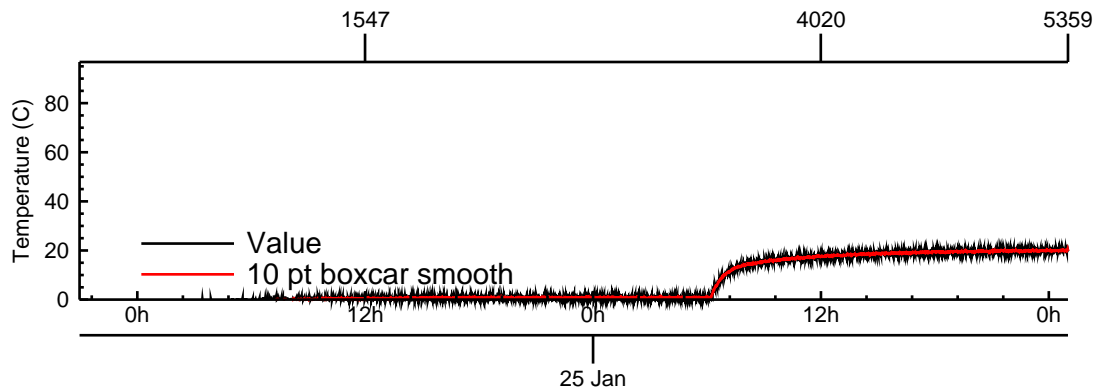
HVPS6 (CZT)

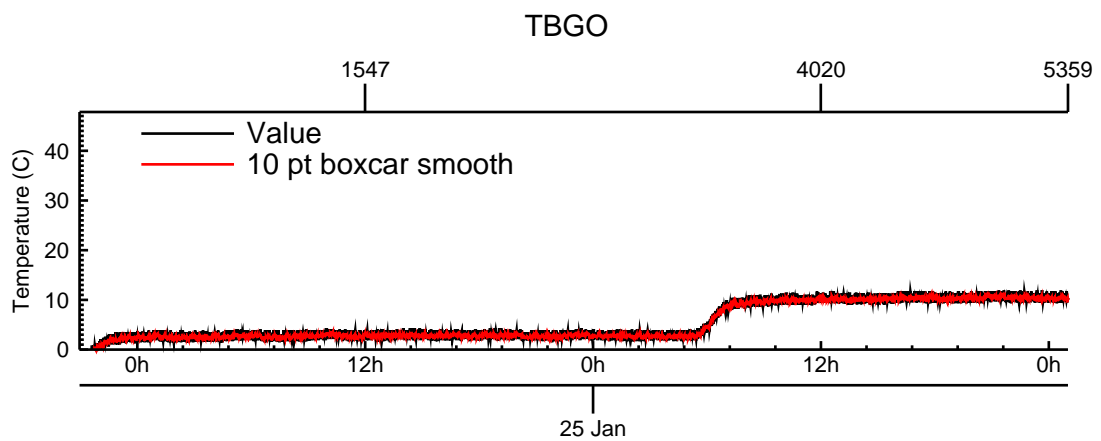
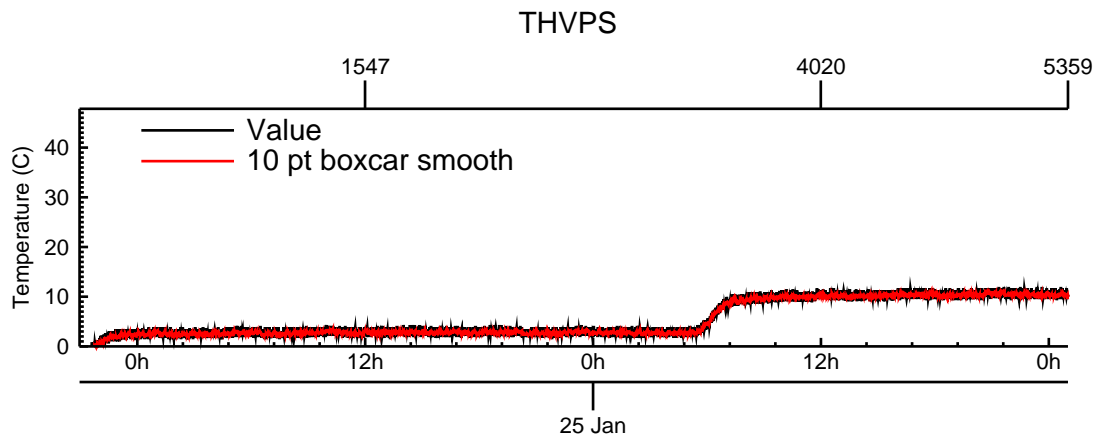
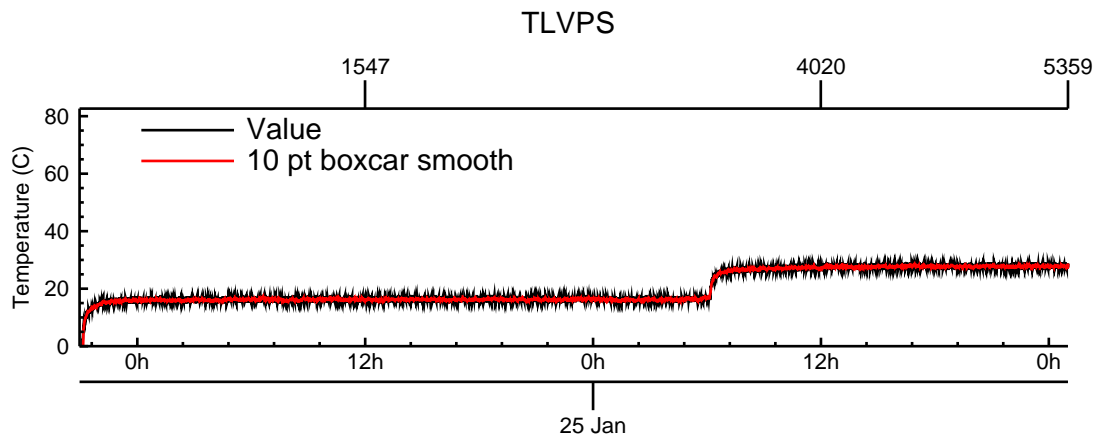
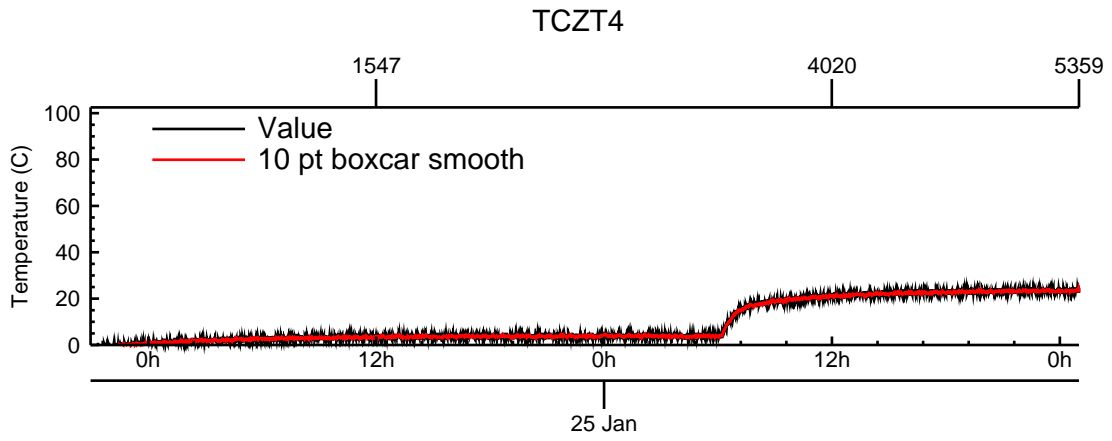


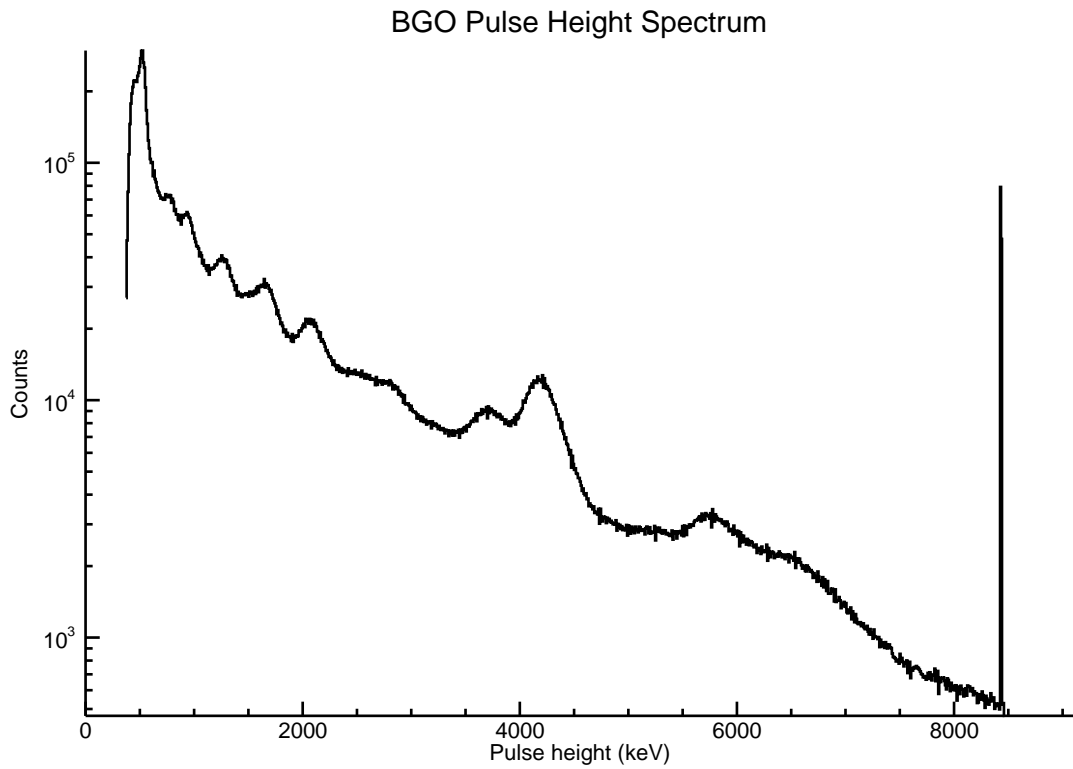
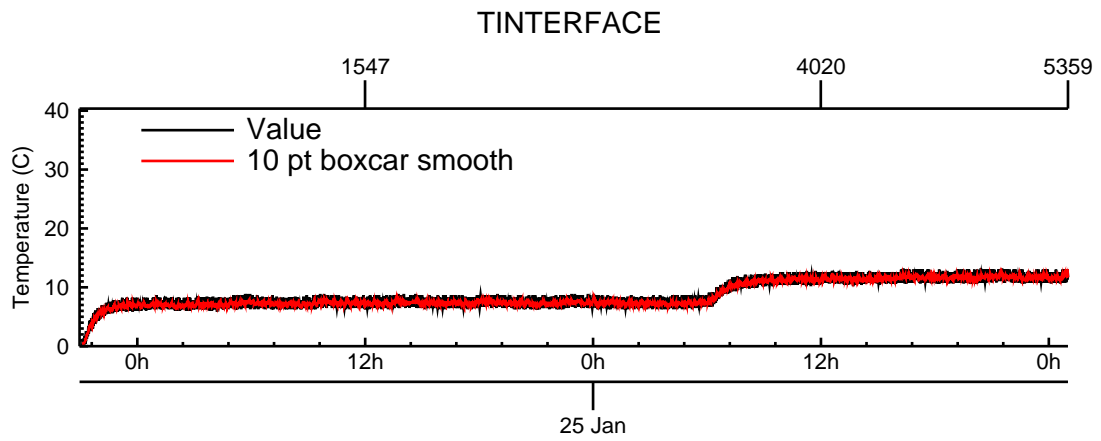
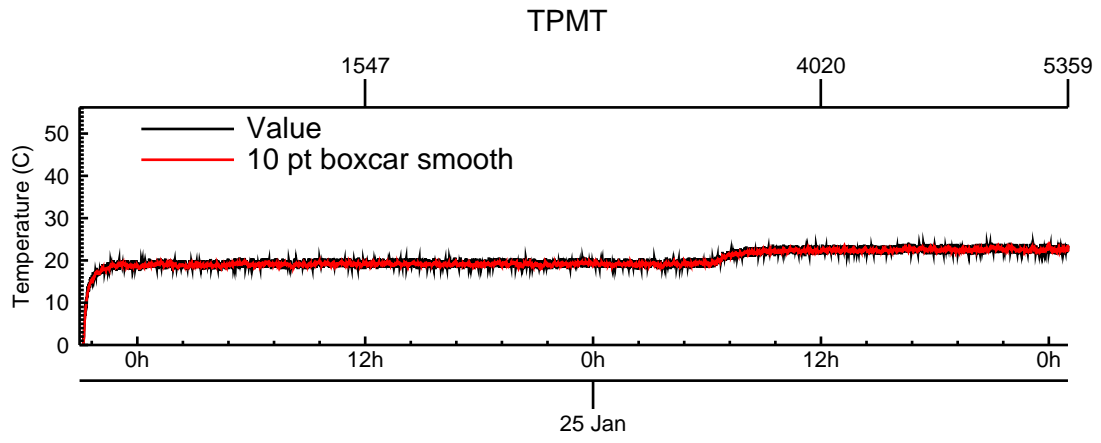
HVPS70 (CZT grid bias)



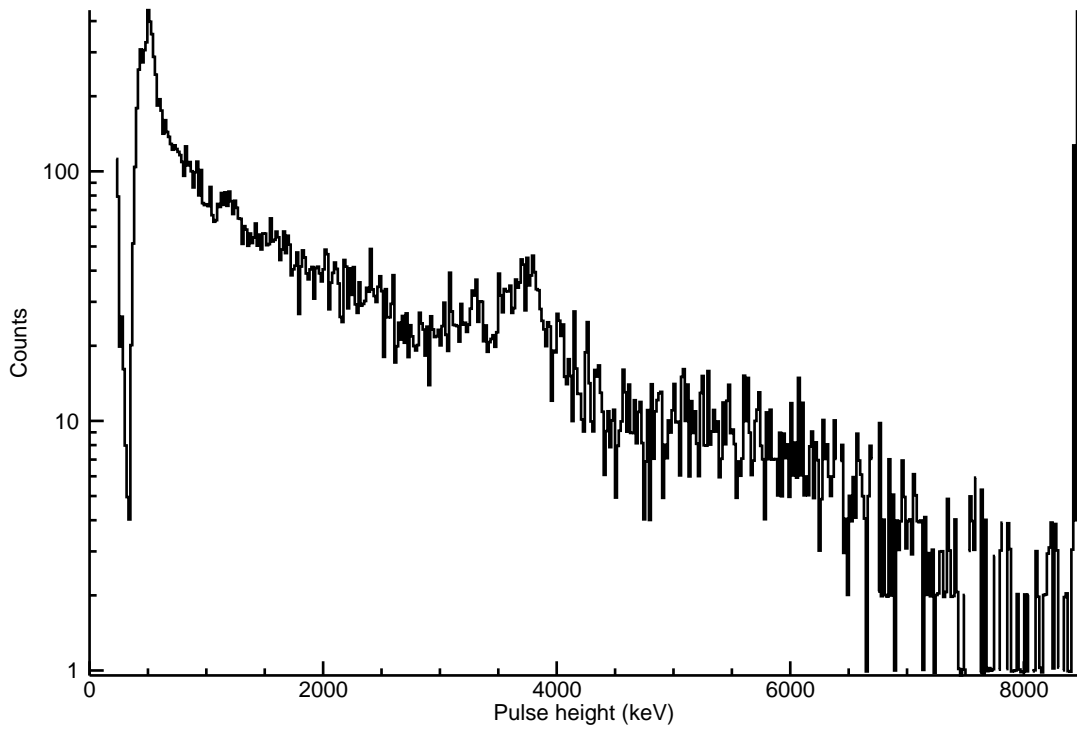
TCZT<1,2,3>



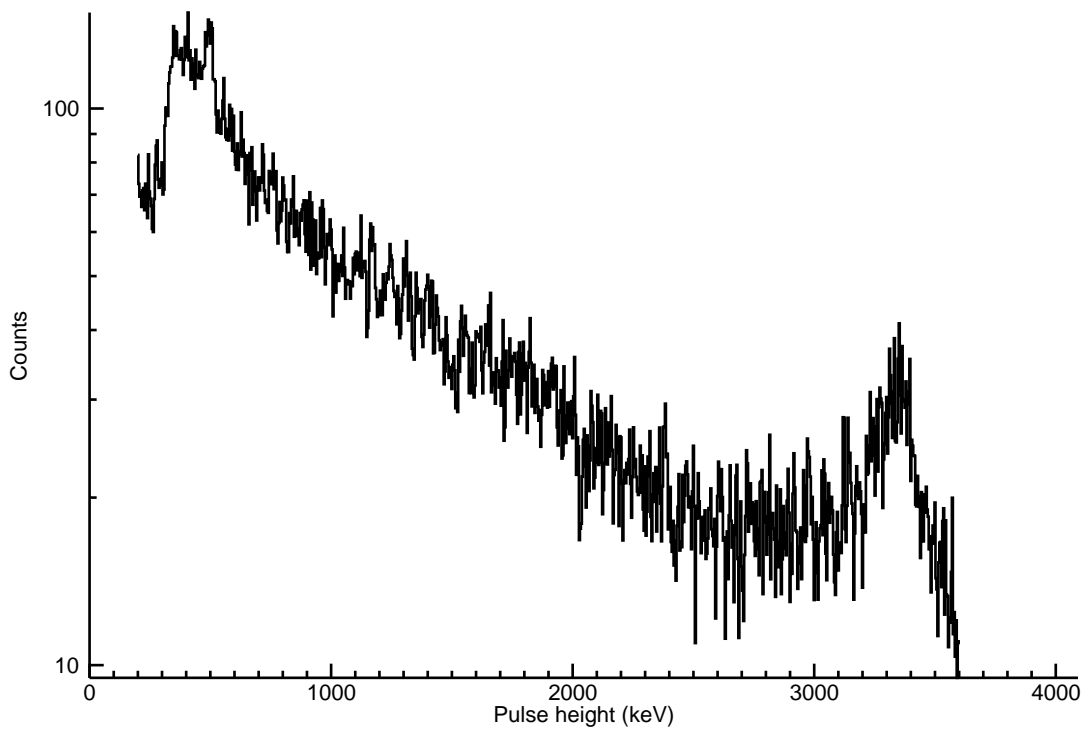




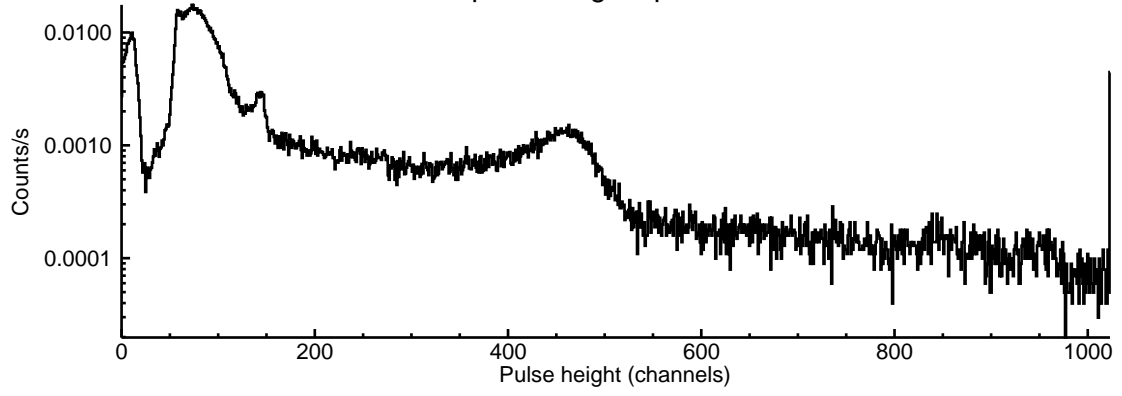
BGO-CZT pair spectrum: BGO



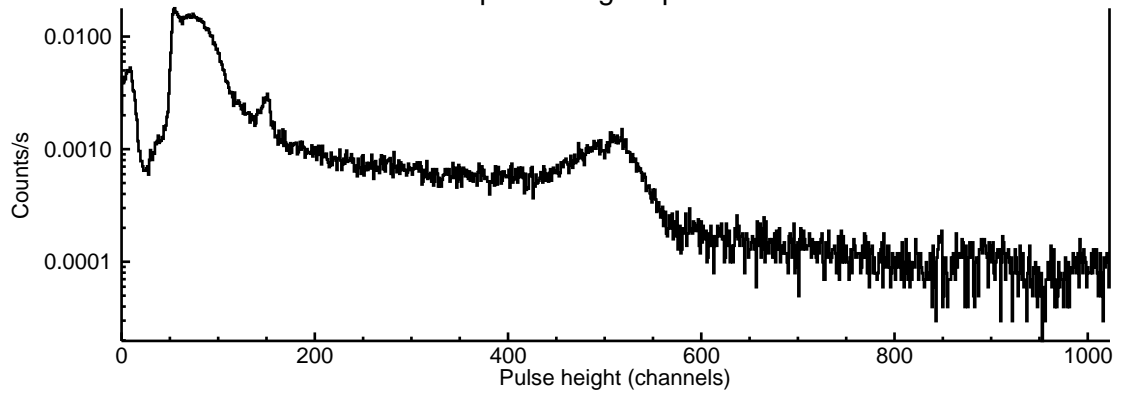
BGO-CZT pair spectrum: CZT



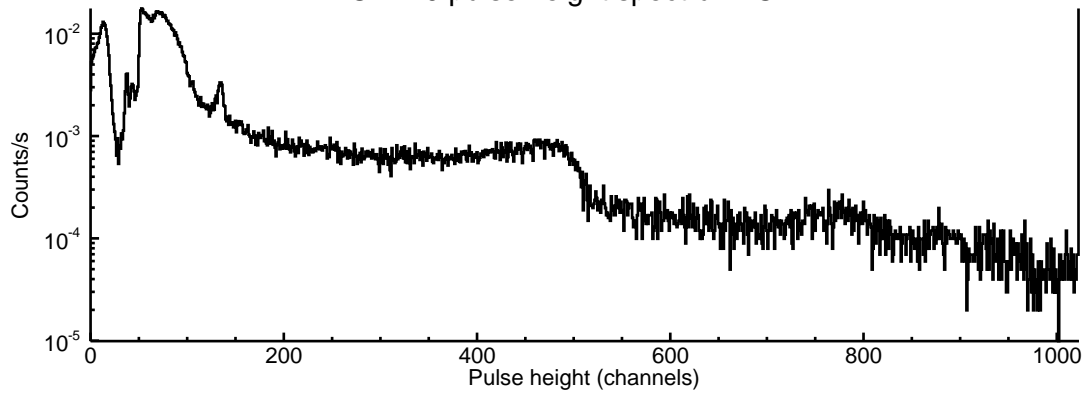
CAT10 pulse height spectrum: CZT11



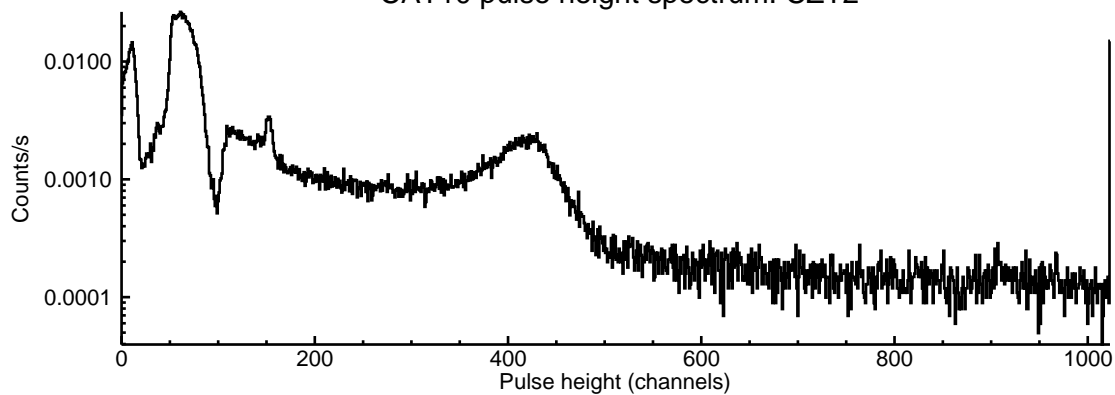
CAT10 pulse height spectrum: CZT3



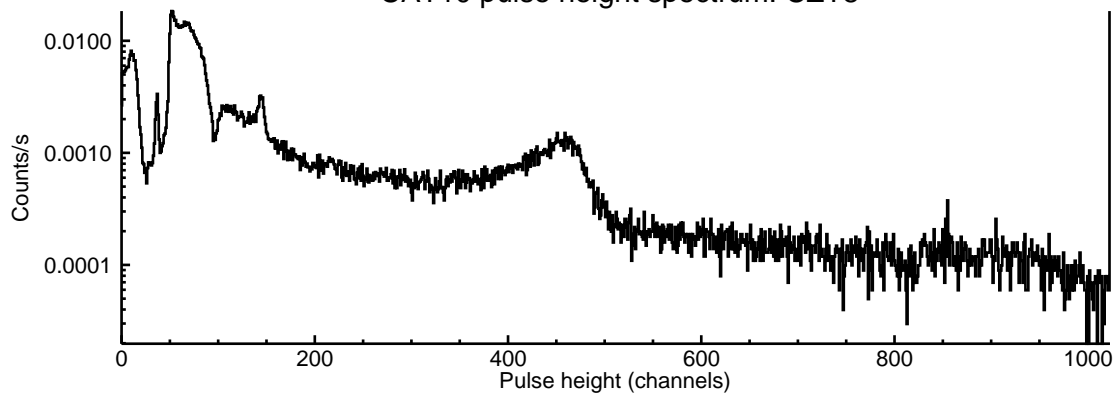
CAT10 pulse height spectrum: CZT1



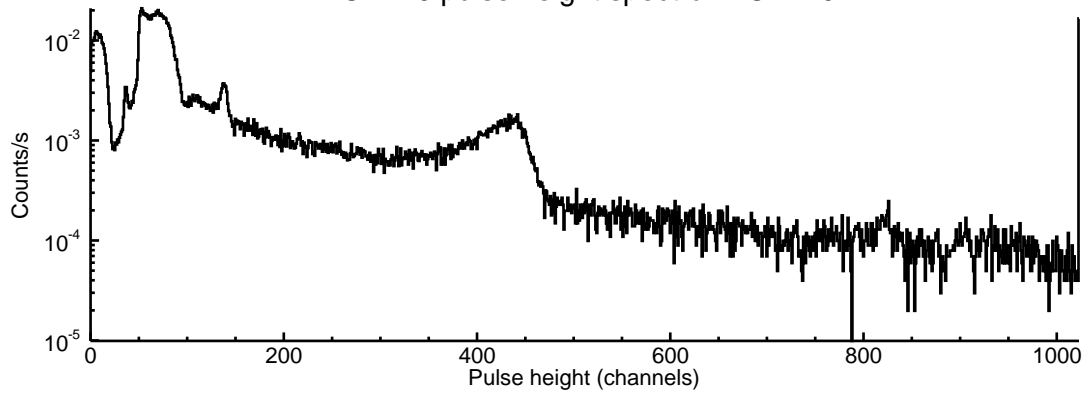
CAT10 pulse height spectrum: CZT2



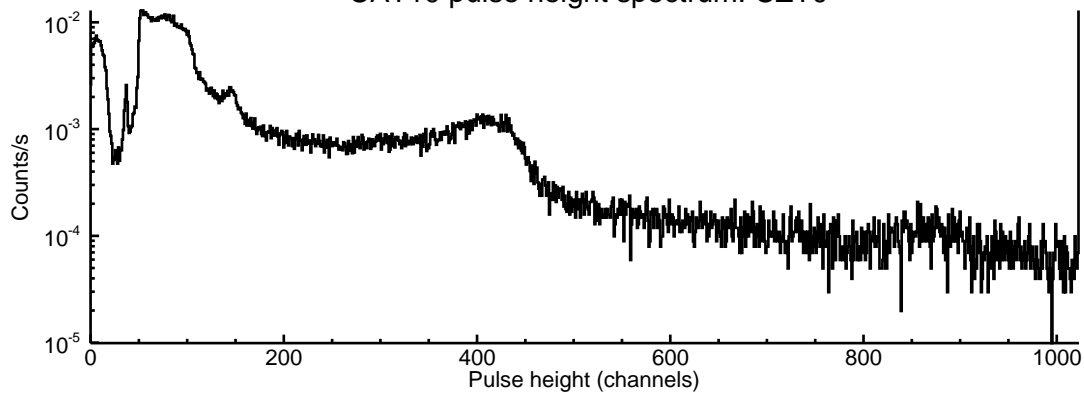
CAT10 pulse height spectrum: CZT8



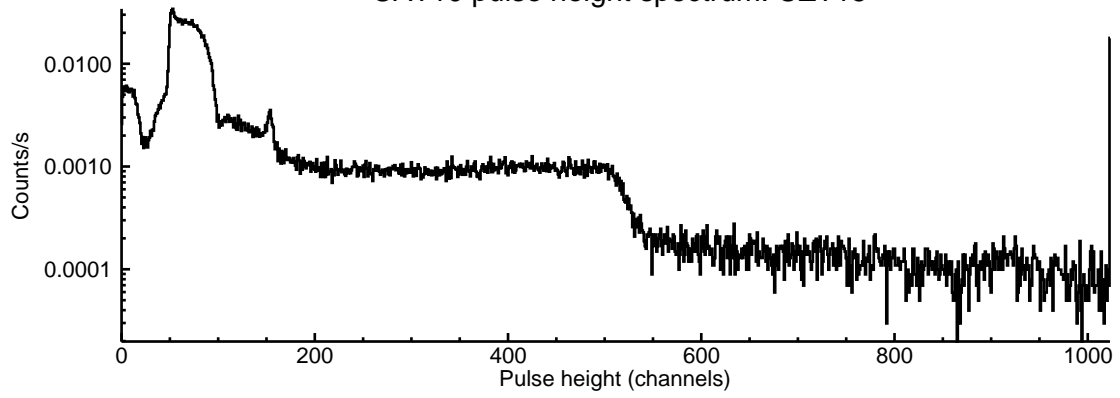
CAT10 pulse height spectrum: CZT10



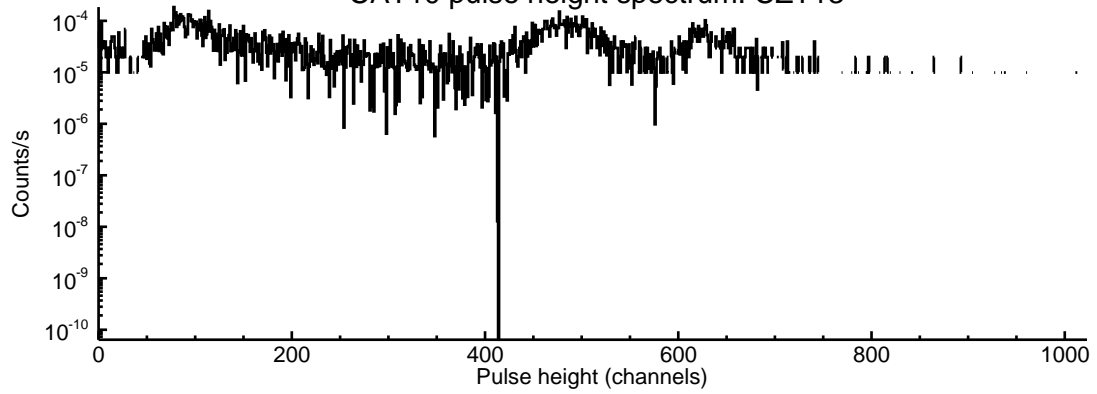
CAT10 pulse height spectrum: CZT0



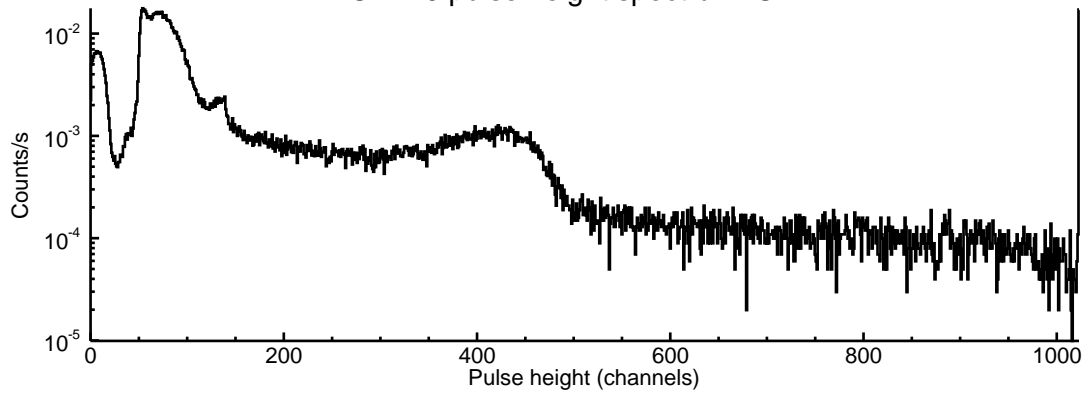
CAT10 pulse height spectrum: CZT15



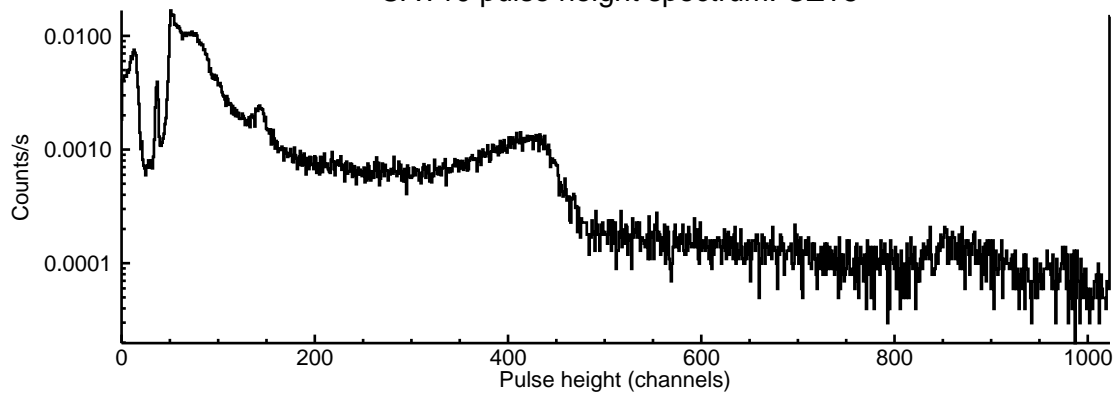
CAT10 pulse height spectrum: CZT13



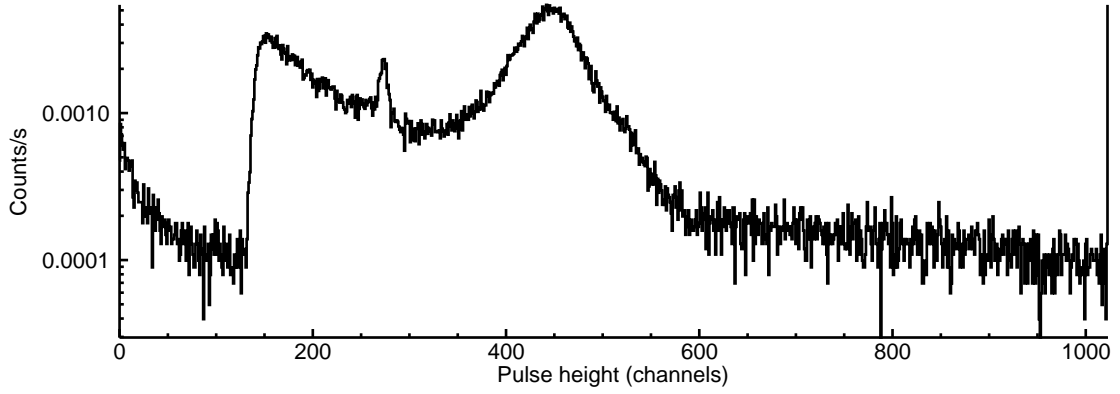
CAT10 pulse height spectrum: CZT7



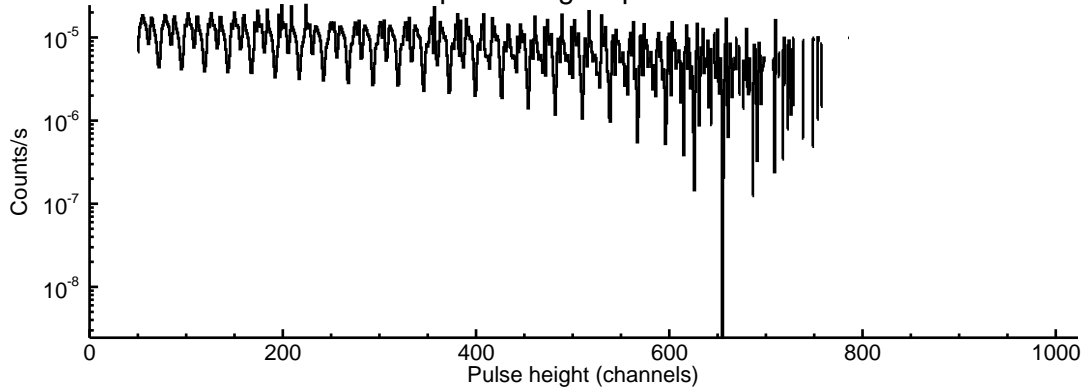
CAT10 pulse height spectrum: CZT5



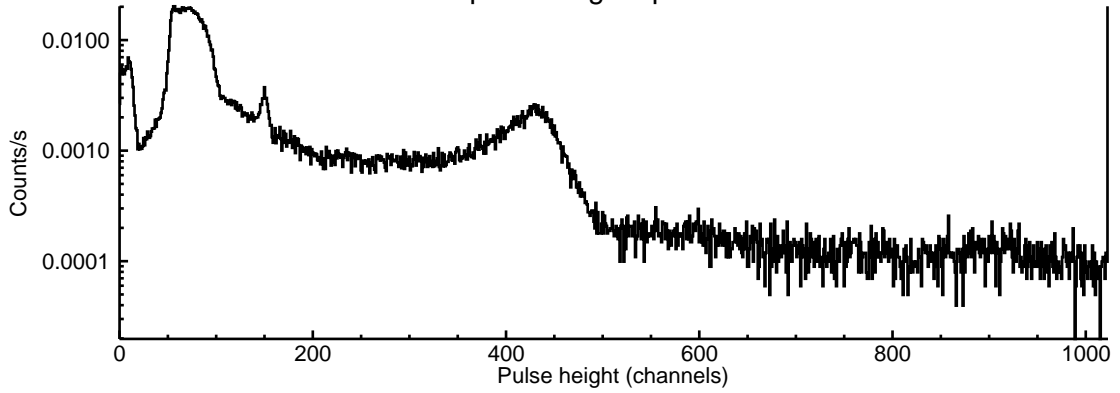
CAT10 pulse height spectrum: CZT6



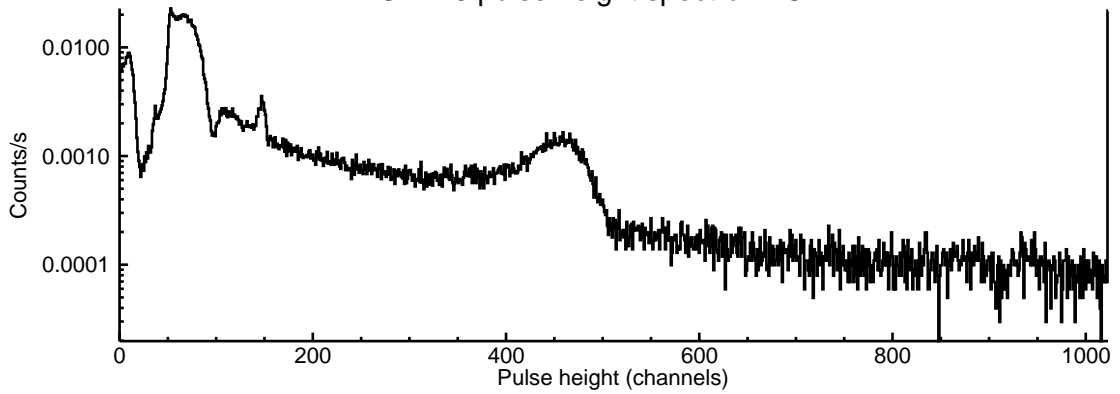
CAT10 pulse height spectrum: CZT12



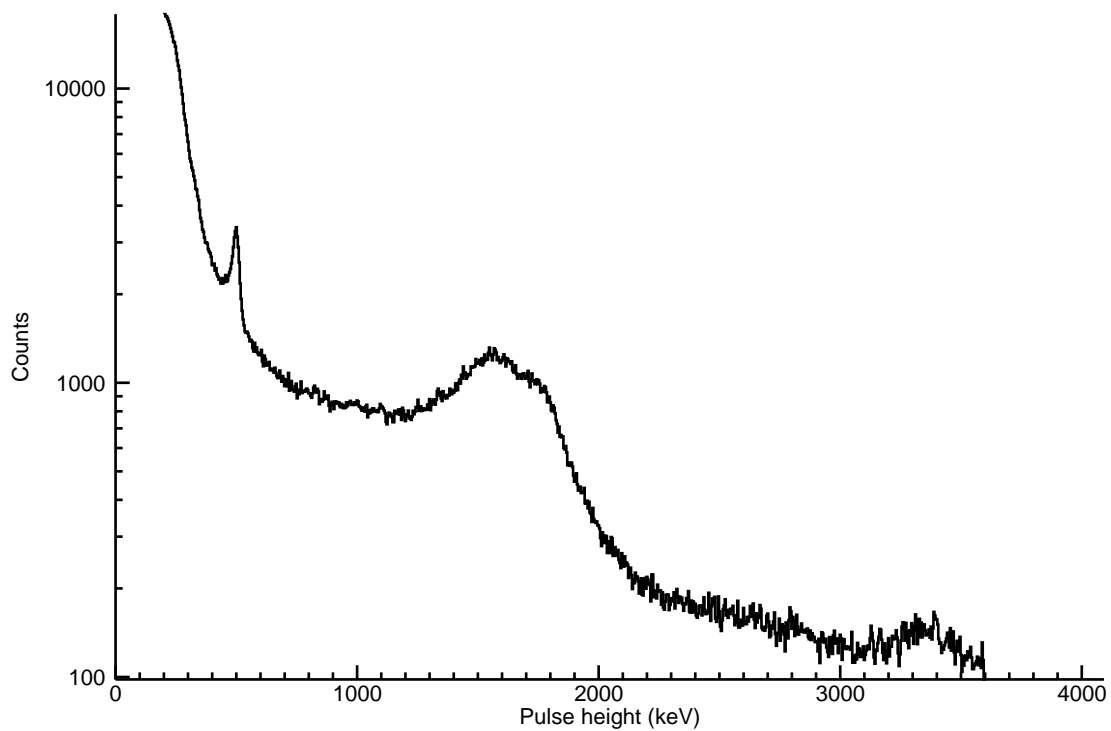
CAT10 pulse height spectrum: CZT14



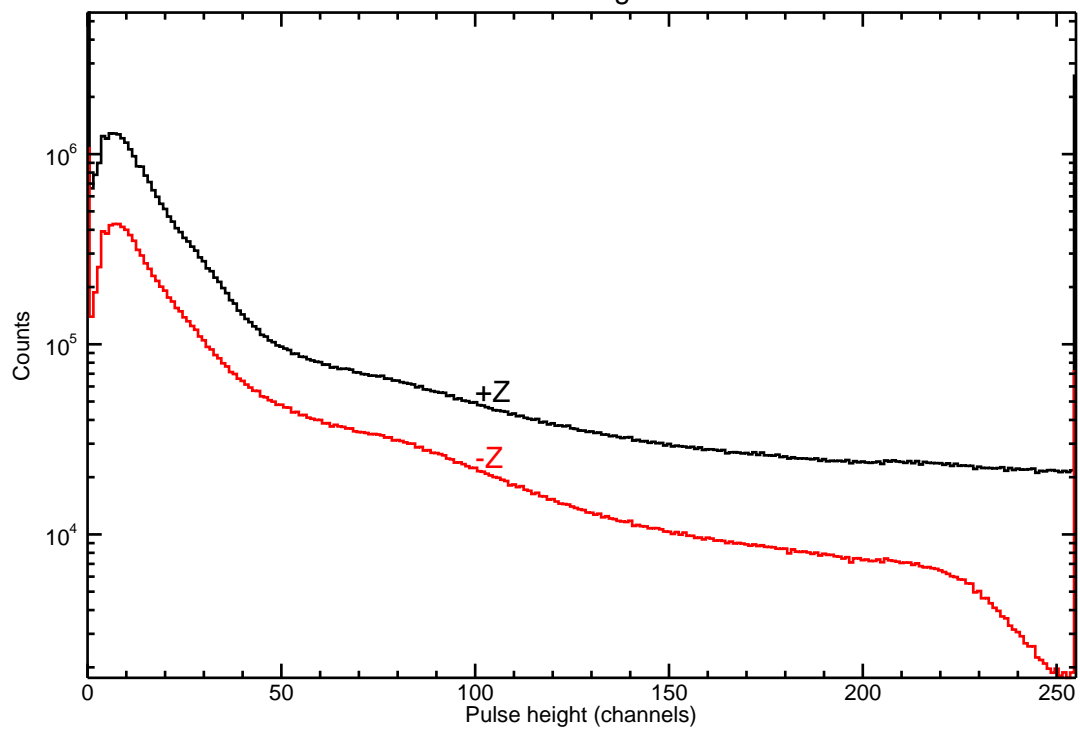
CAT10 pulse height spectrum: CZT4



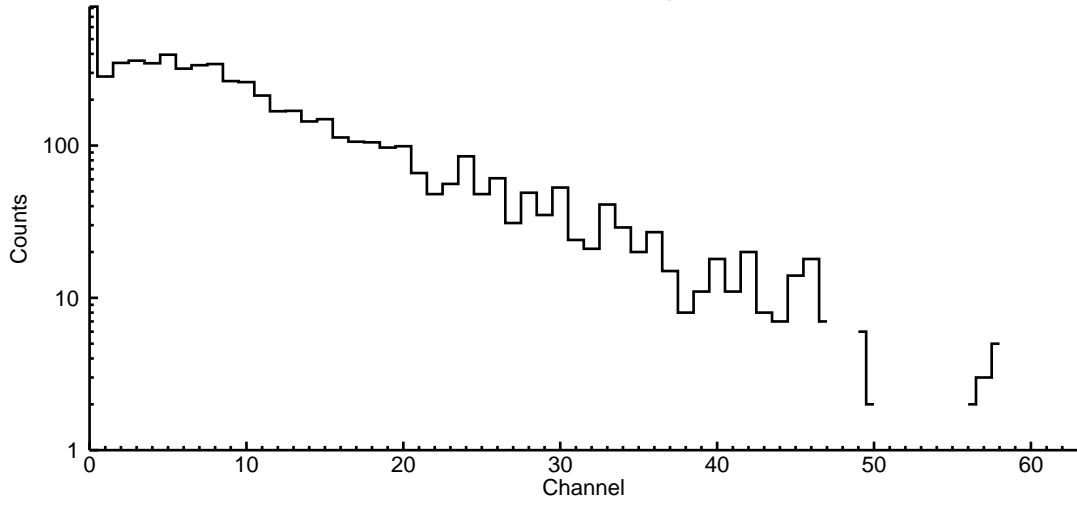
CAT10 CZT composite



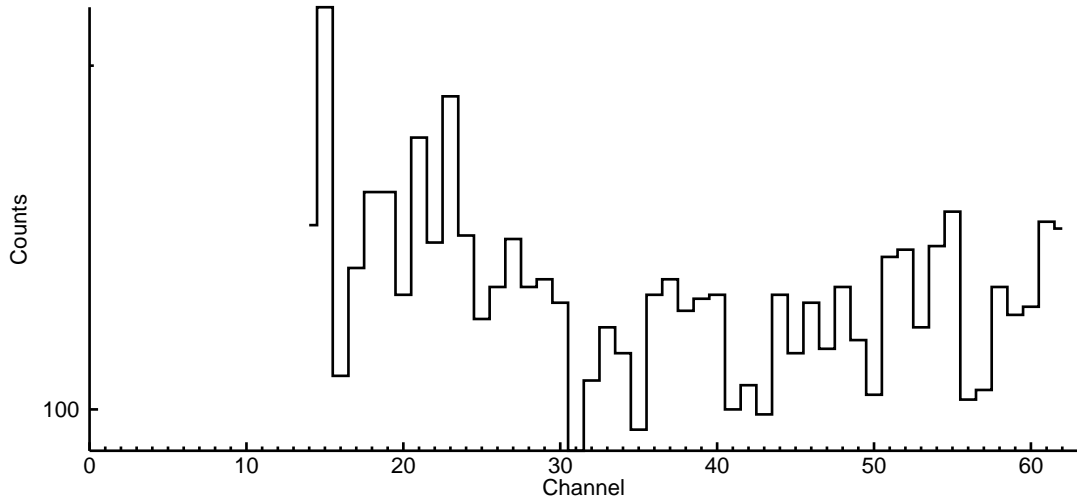
CAT1 histograms



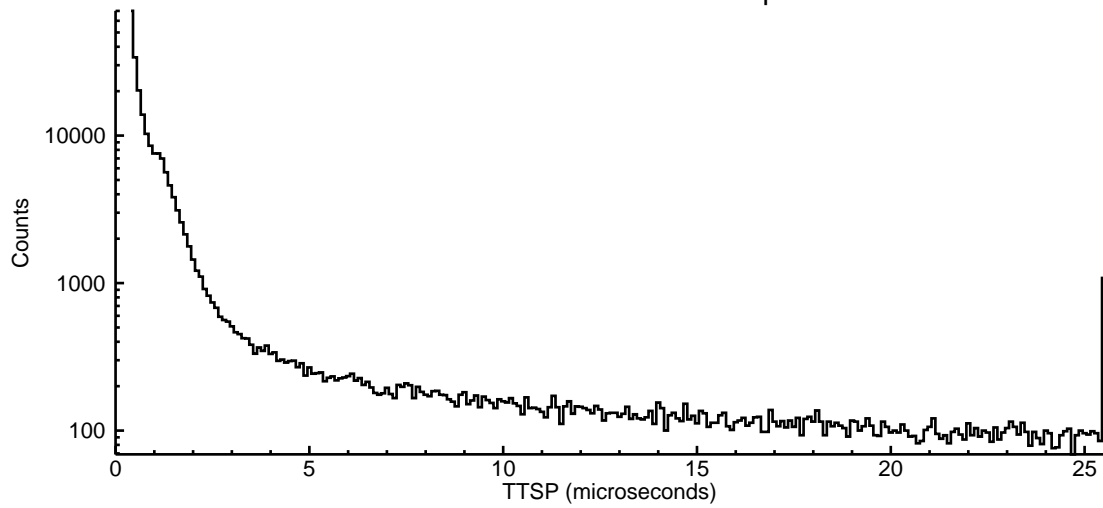
+Z BLP CAT4 first pulse



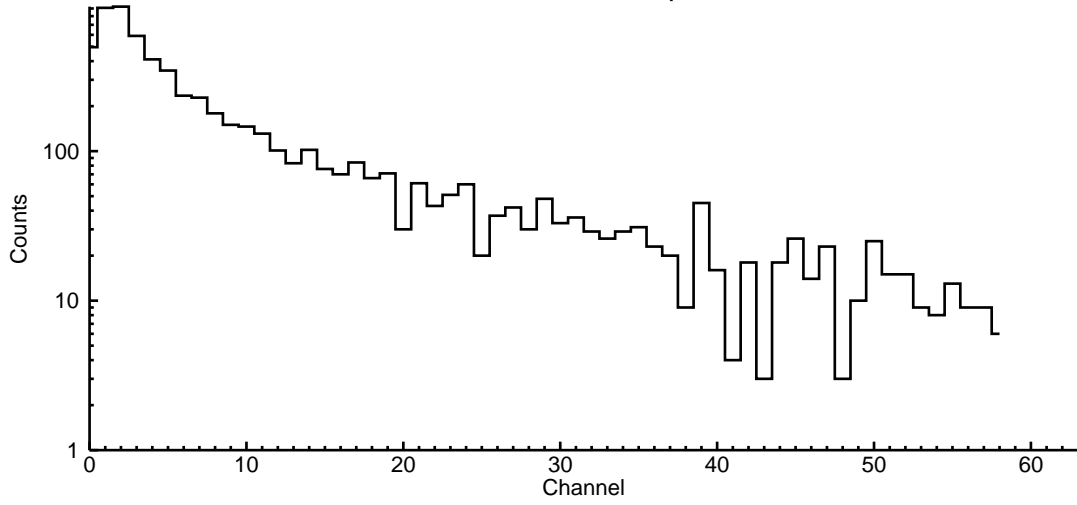
+Z BLP CAT4 second pulse



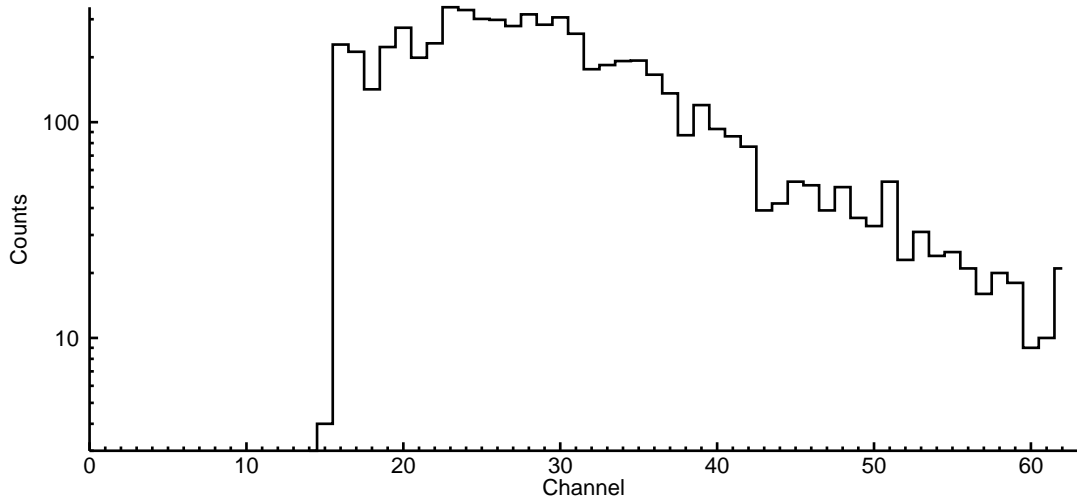
+Z BLP CAT4 time to second pulse



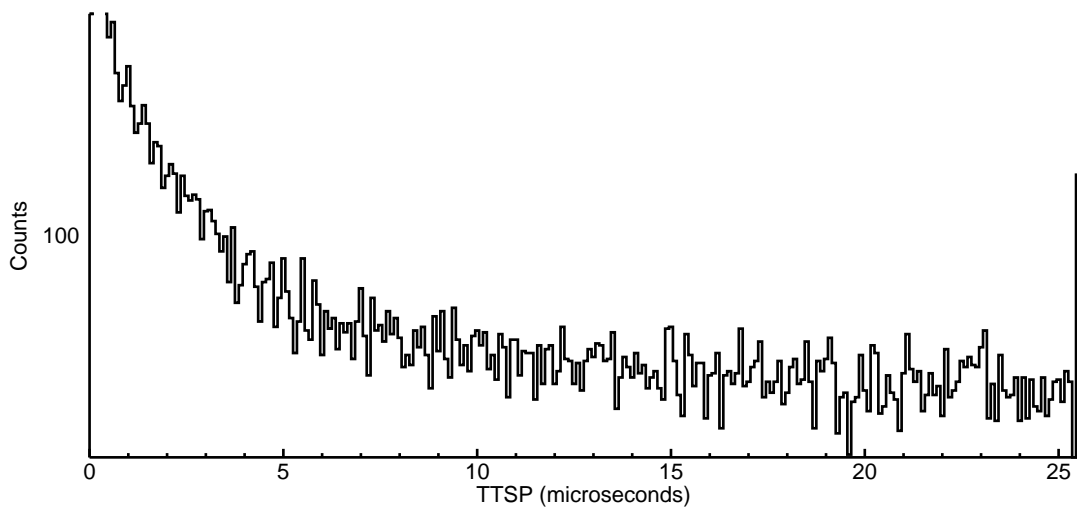
-Y BLP CAT4 first pulse



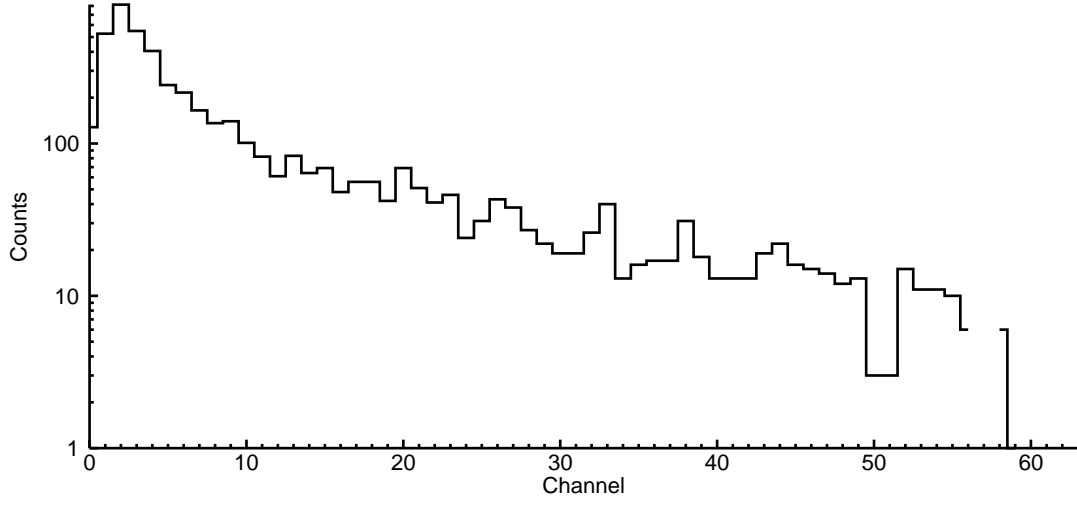
-Y BLP CAT4 second pulse



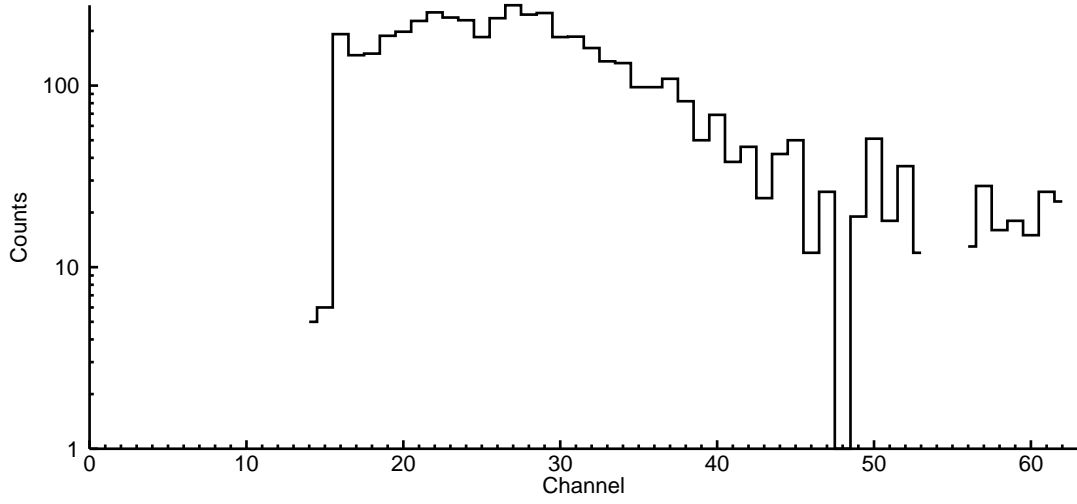
-Y BLP CAT4 time to second pulse



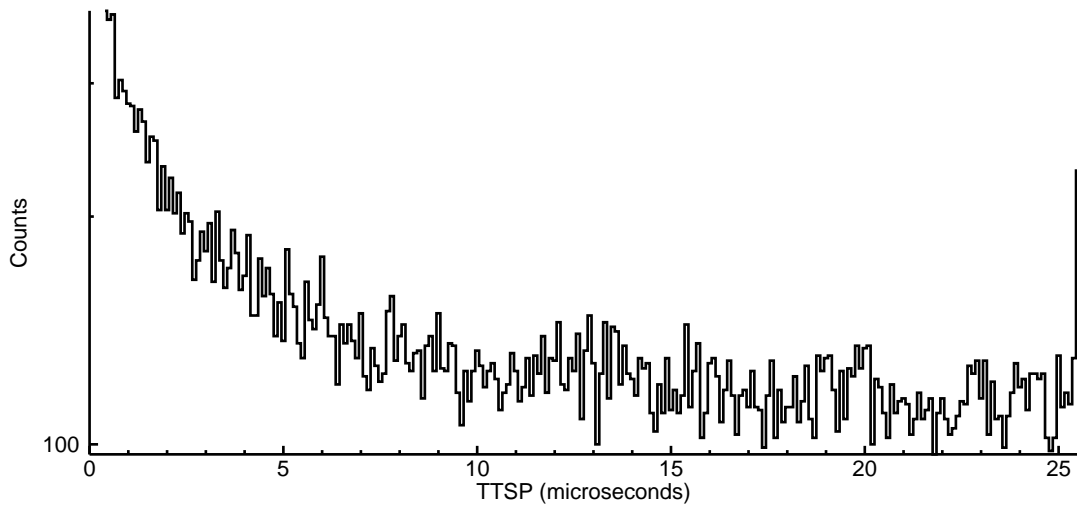
+Y BLP CAT4 first pulse



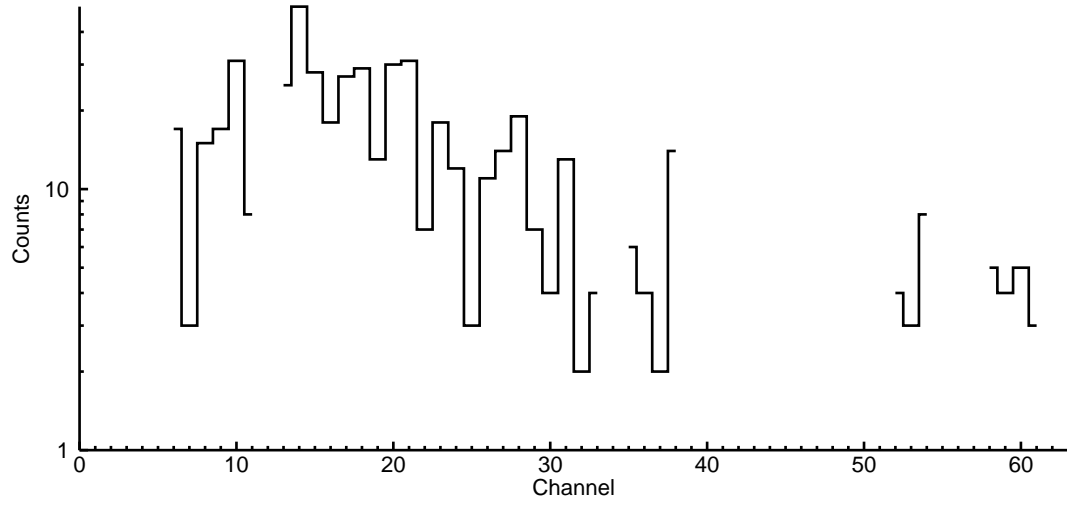
+Y BLP CAT4 second pulse



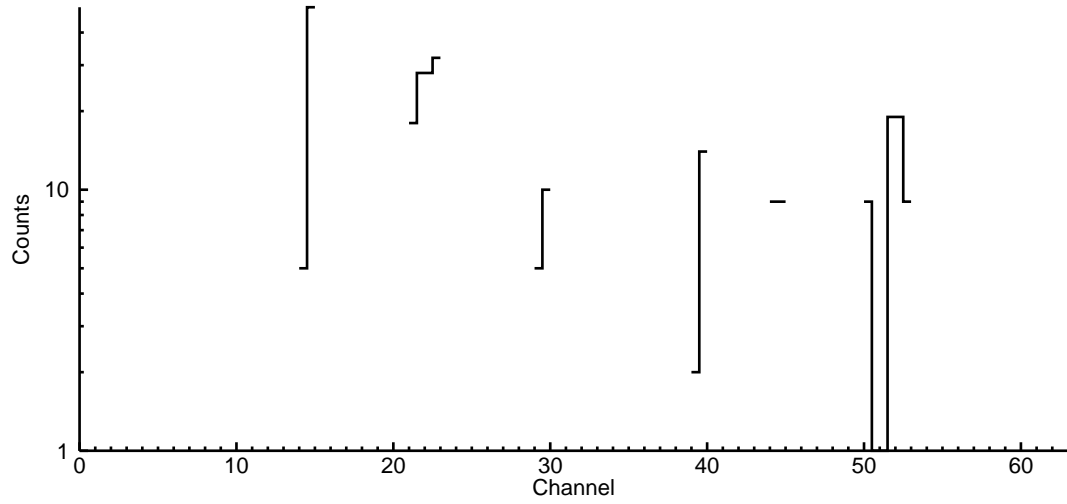
+Y BLP CAT4 time to second pulse



-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

