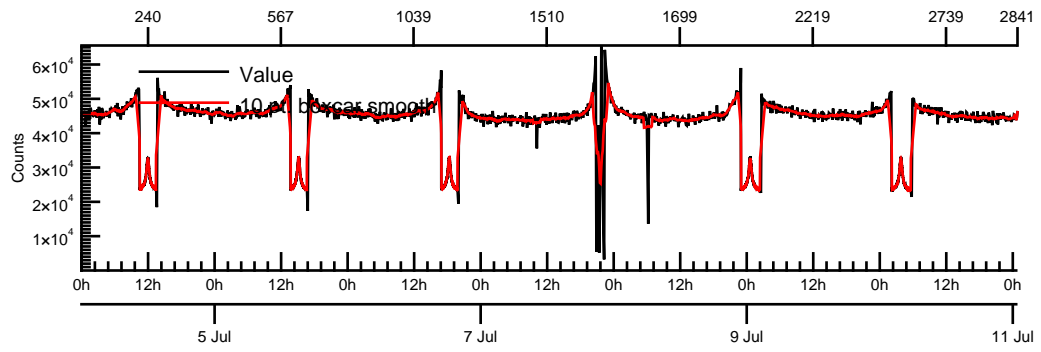


NASA Dawn Mission  
 GRaND@Ceres Browse Charts  
 Ceres c2e DA942 18185\_0

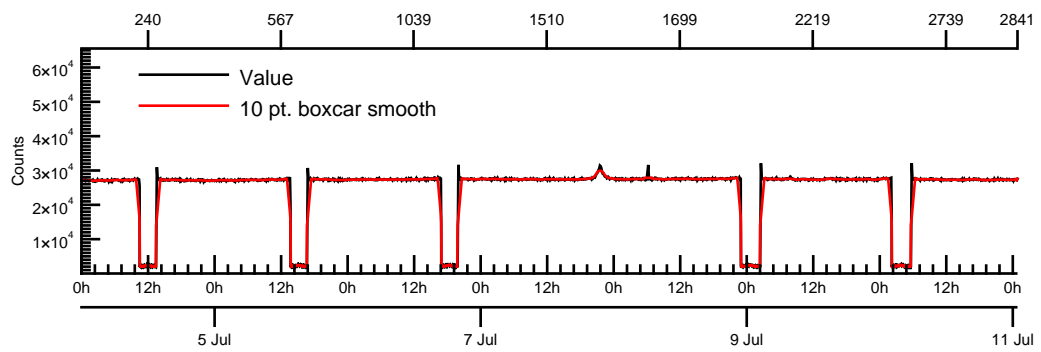
- Number of science records: 2842  
 23 missing science packets with 1 gaps.  
 Start/End: 2018-07-04T00:01:49 to 2018-07-11T00:53:33
- Number of SOH records: 17386  
 2 missing SOH packets with 2 gaps.  
 Start/End: 2018-07-04T00:00:35 to 2018-07-11T00:59:35
- Comments: Browse charts.
  - Provides an 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.
  - Missing data count may be in error when power on data are present.
- Number of states = 21
- Instrument settings for first state (STATE\_INDEX 15398):

TELREADOUT	455	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	1	NEMN_TOT_EVTS	2800
HVPS1	1	L_BGO_CW	1
HVPS1_SET	185	H_BGO_CW	64
HVPS2	1	L_BGO_ROI	1
HVPS2_SET	173	H_BGO_ROI	64
HVPS3	1	L_BLP_MY_CW	1
HVPS3_SET	178	H_BLP_MY_CW	64
HVPS4	1	L_BLP_MY_ROI	1
HVPS4_SET	182	H_BLP_MY_ROI	64
HVPS5	1	L_BLP_PY_CW	1
HVPS5_SET	127	H_BLP_PY_CW	64
HVPS6	1	L_BLP_PY_ROI	1
HVPS6_SET	170	H_BLP_PY_ROI	64
PM5_LVPS	1	L_BLP_MZ_CW	1

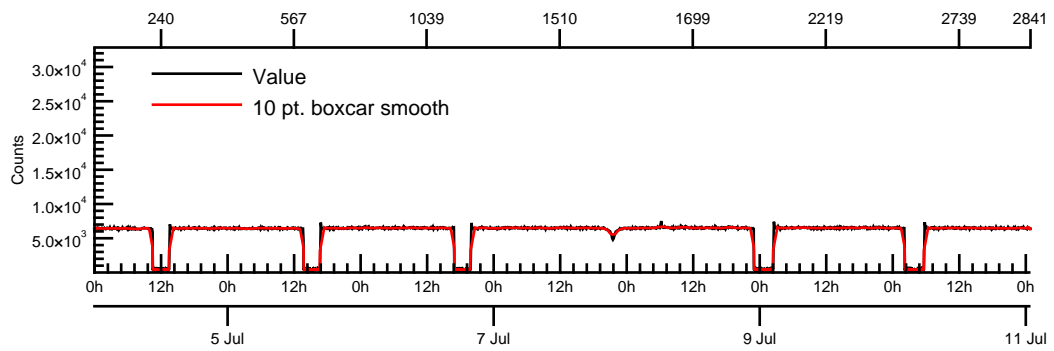
Dead time counts



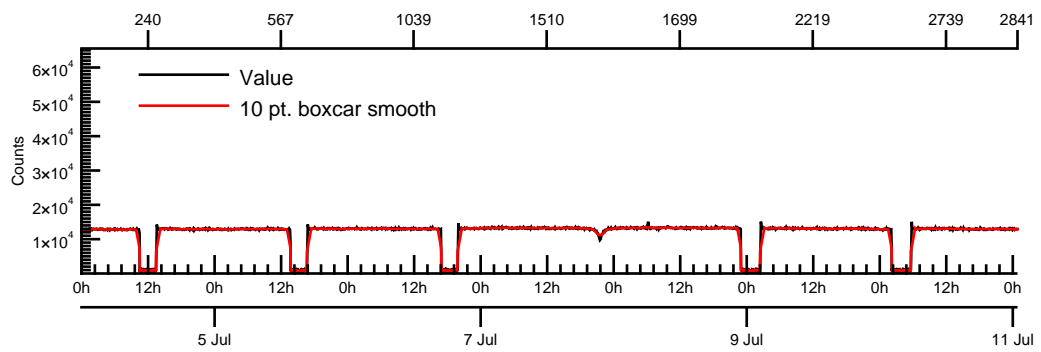
BGO overload events

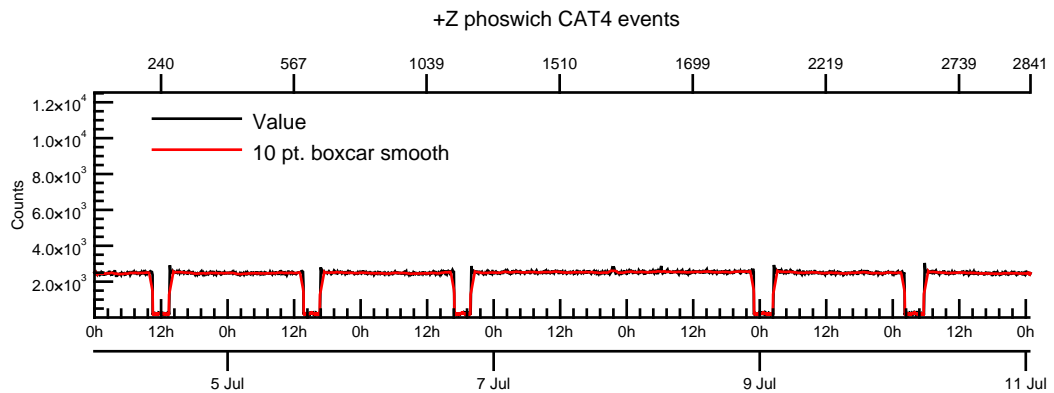
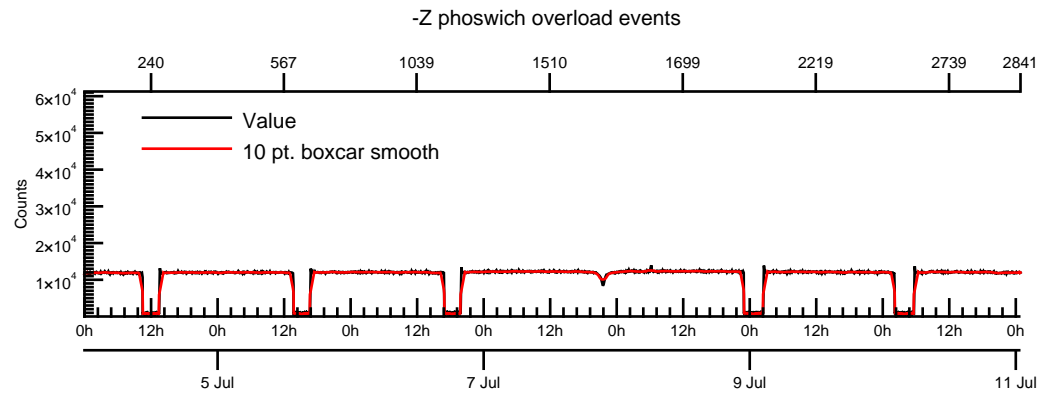
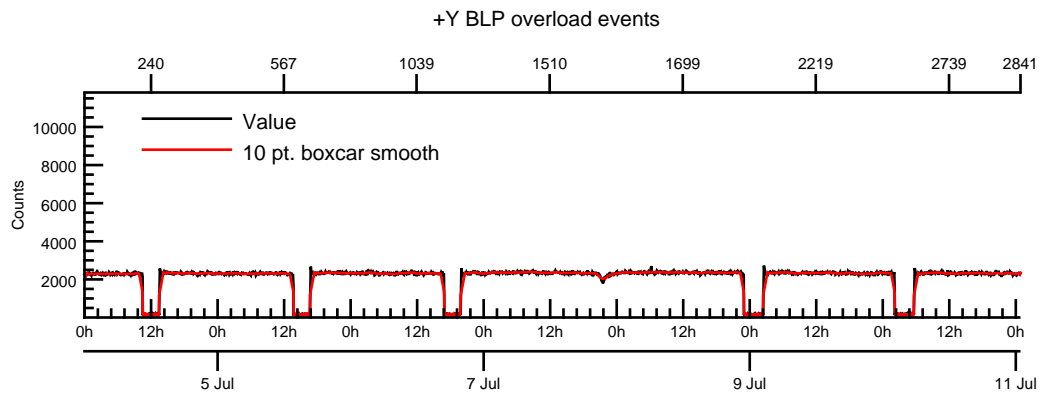
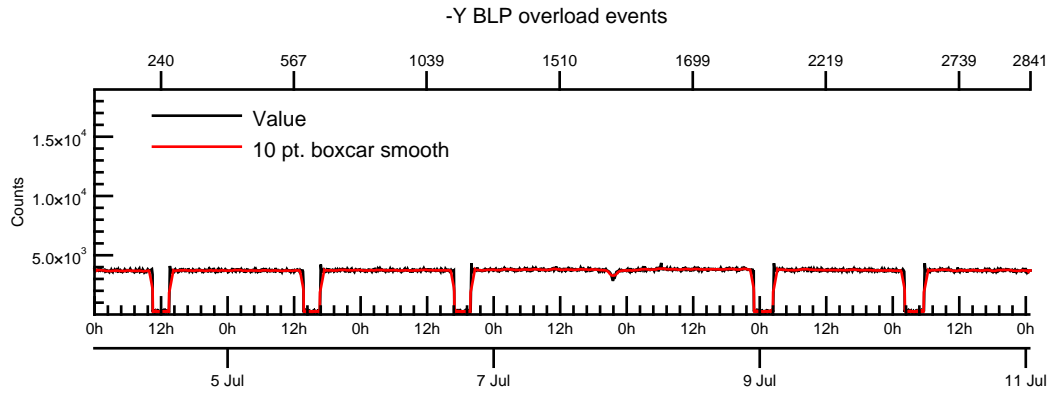


CZT overload events

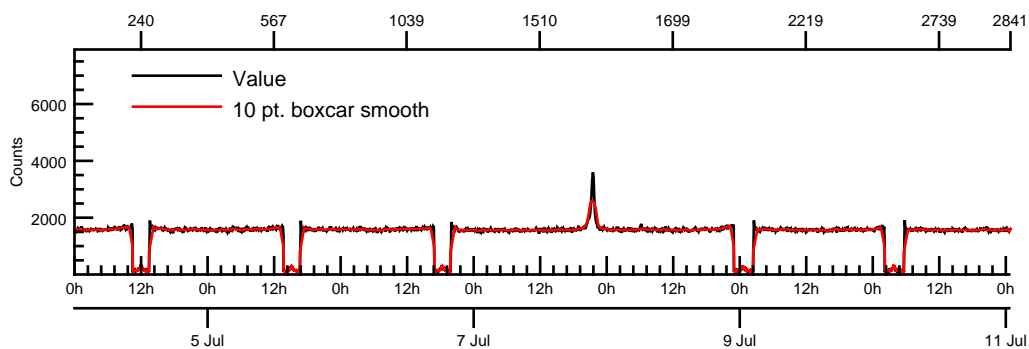


+Z phoswich overload events

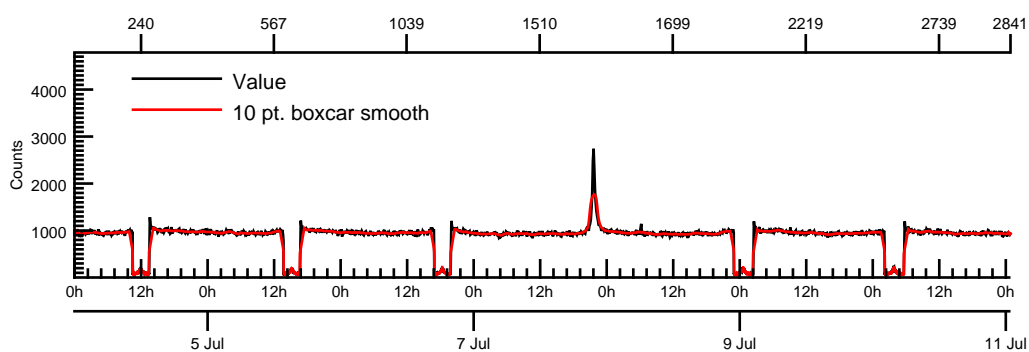




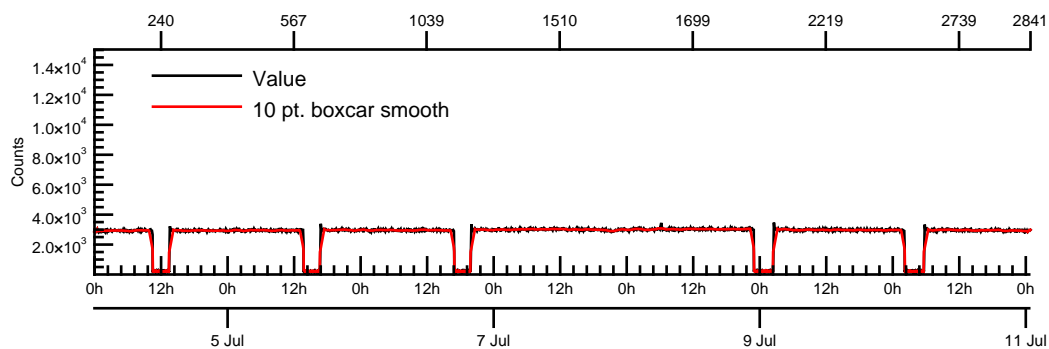
-Y BLP CAT4 events



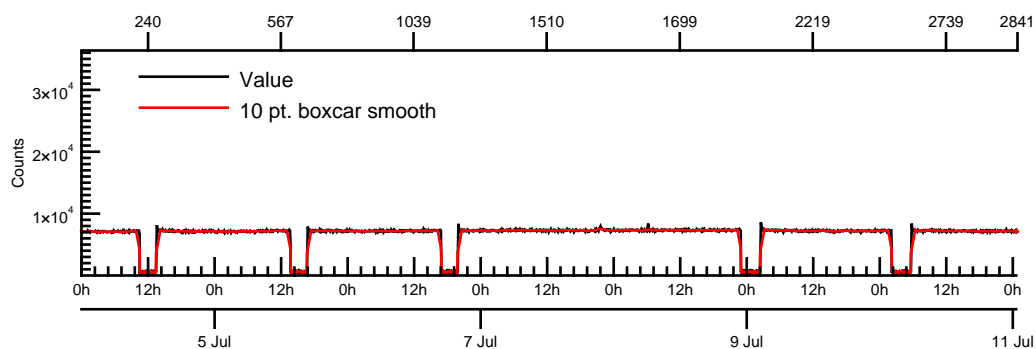
+Y BLP CAT4 events



-Z phoswich CAT4 events

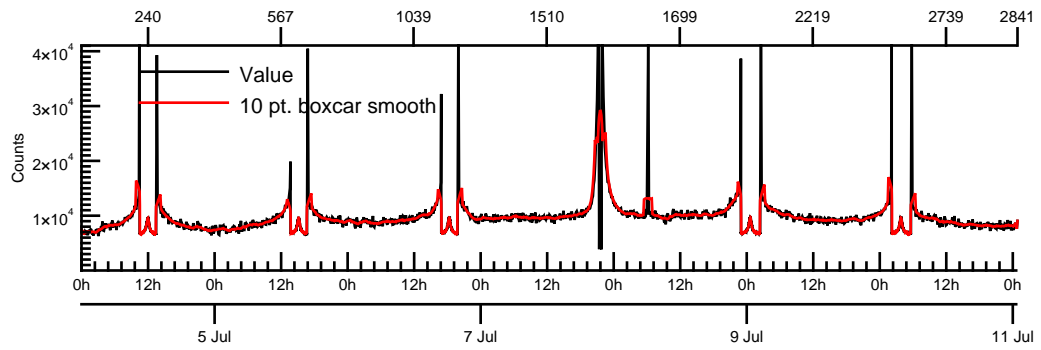


Early second interaction events

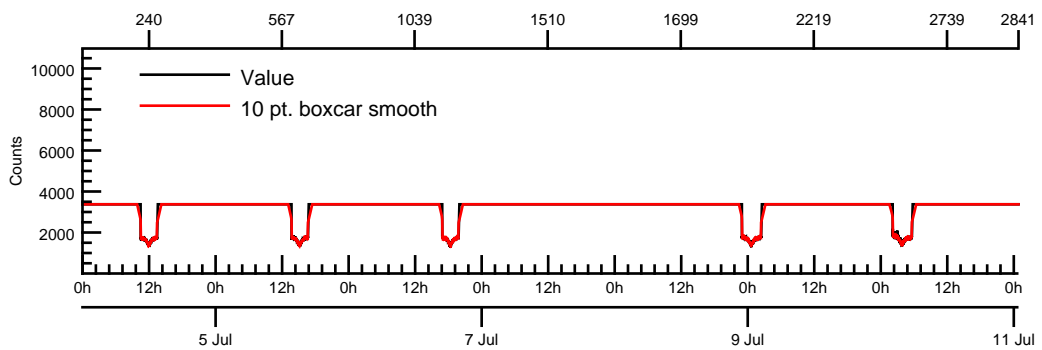




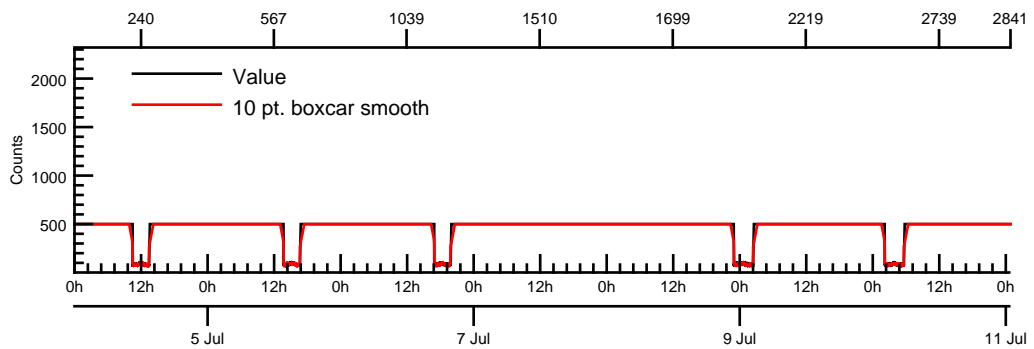
Total events processed by GRaND



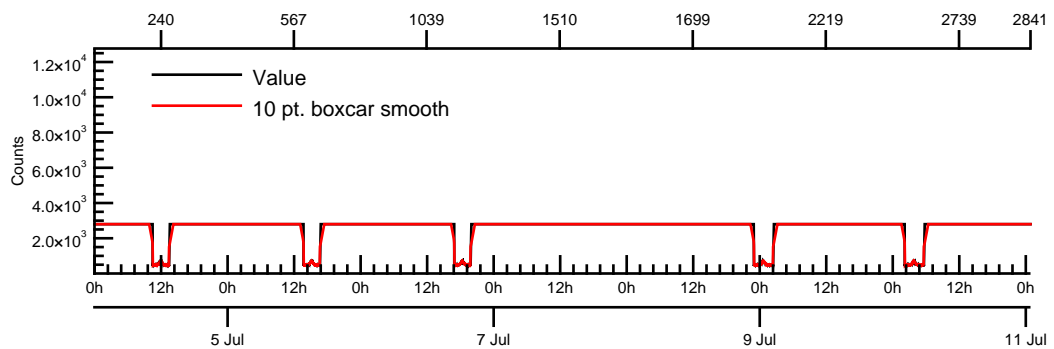
Number of single CZT events (CAT10) in the gamma ray event buffer



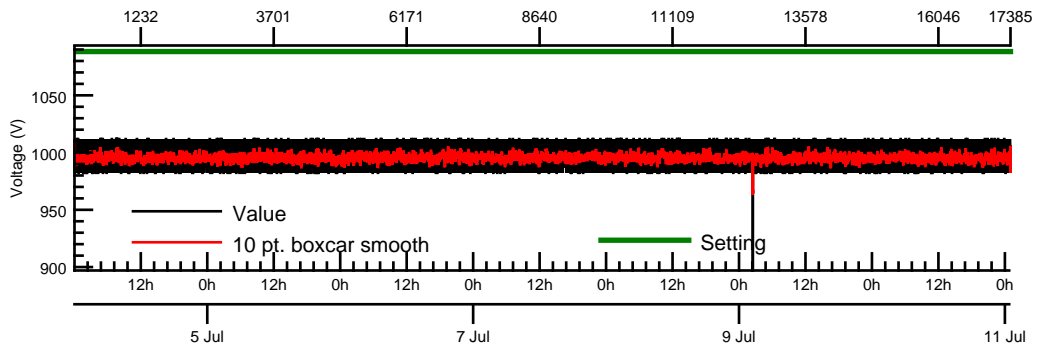
Number of BGO-CZT events (CAT7) in the gamma ray event buffer



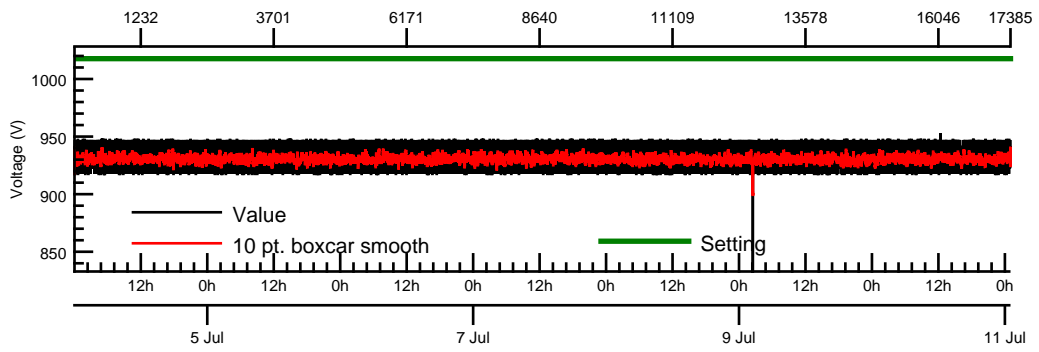
Number of events (CAT4) in the neutron event buffer



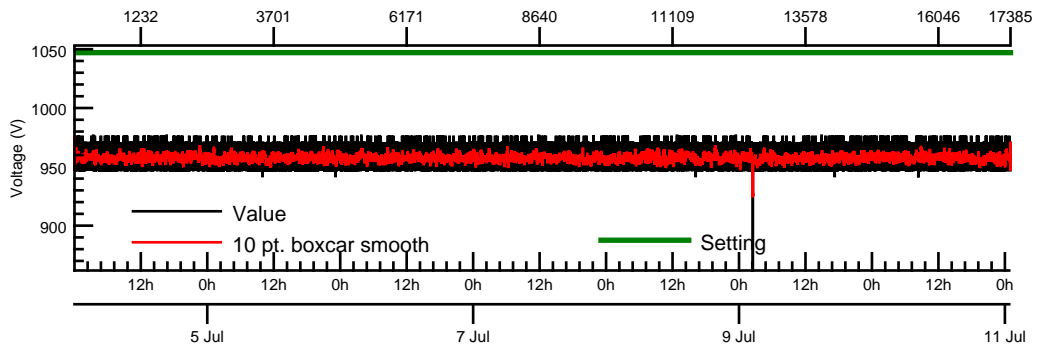
HVPS1 (+Z)



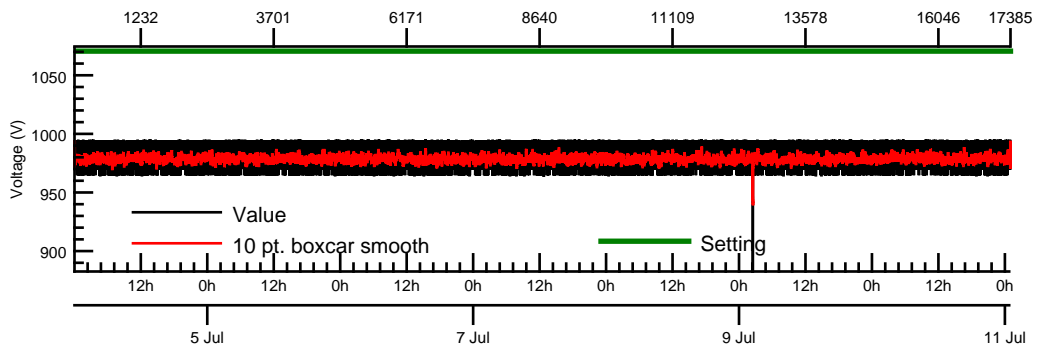
HVPS2 (-Y)



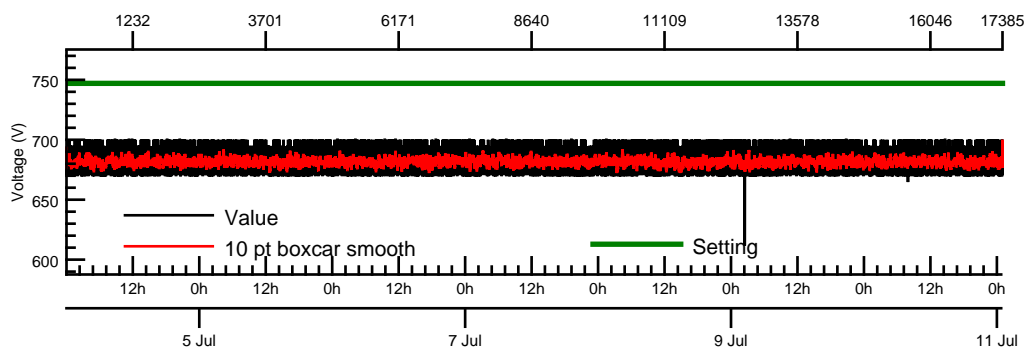
HVPS3 (+Y)



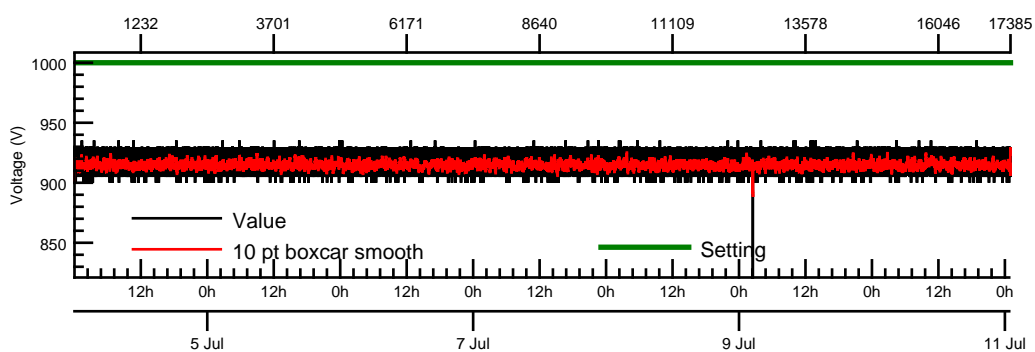
HVPS4 (-Z)



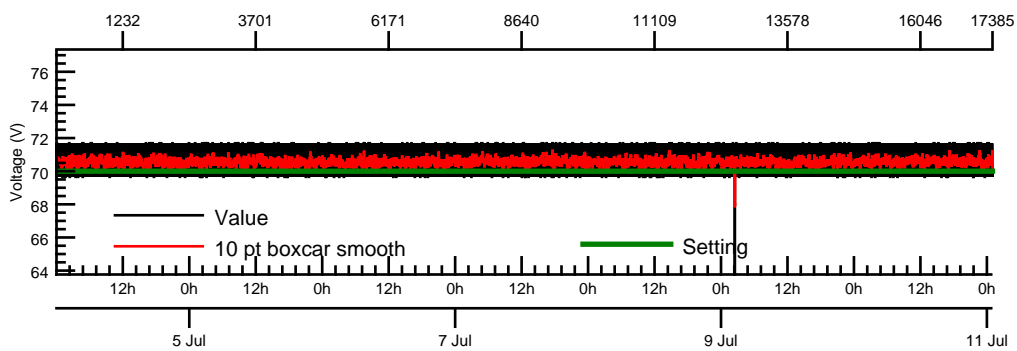
HVPS5 (BGO)



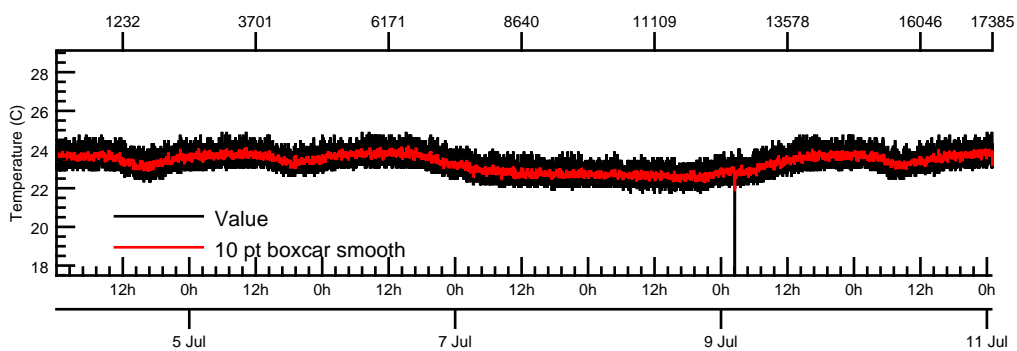
HVPS6 (CZT)



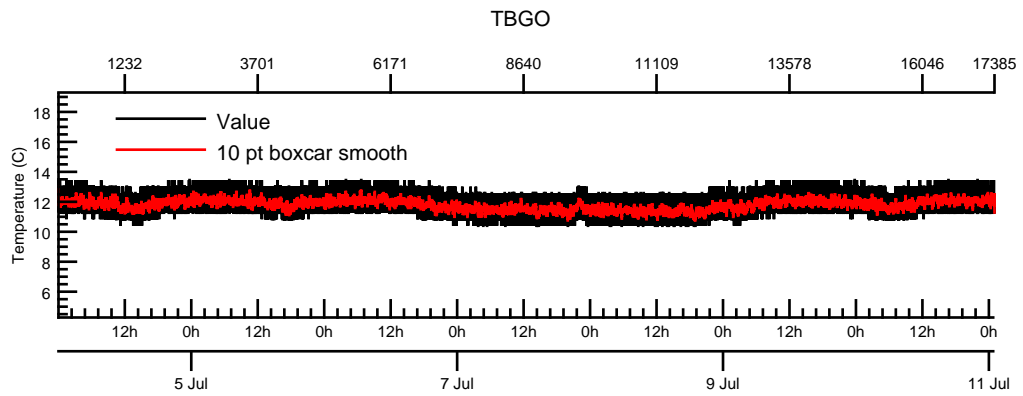
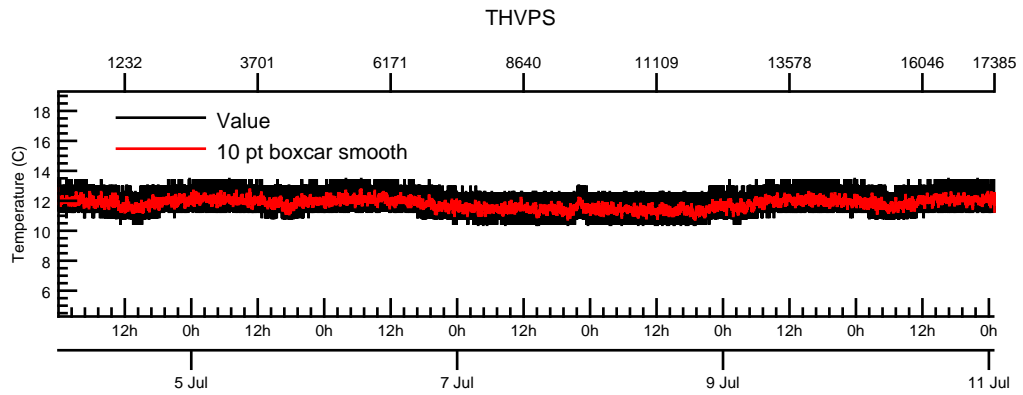
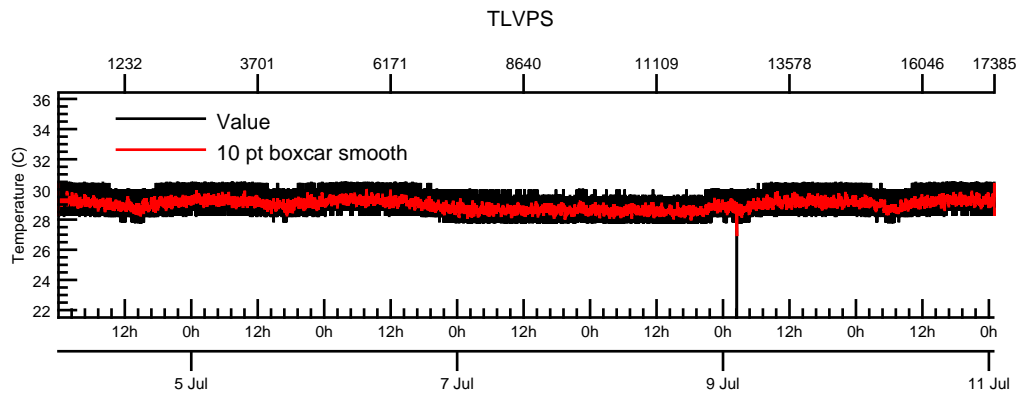
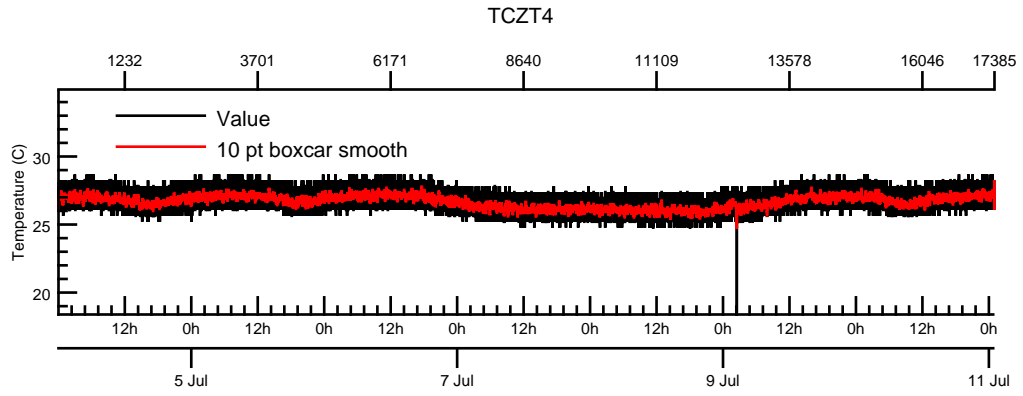
HVPS70 (CZT grid bias)

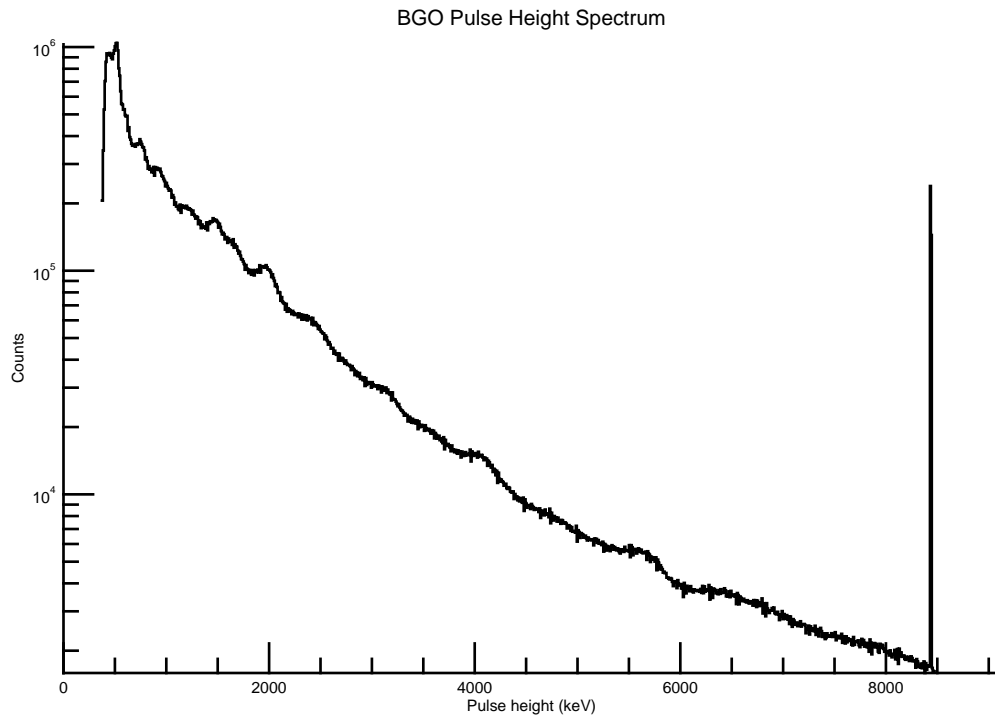
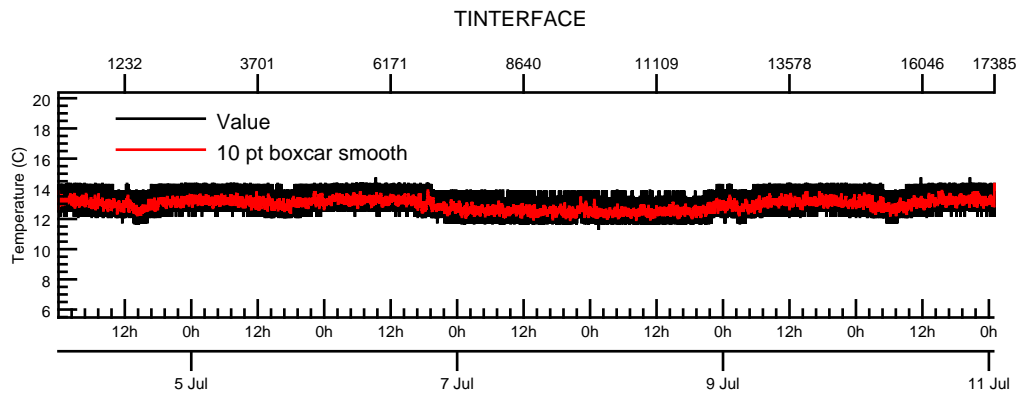
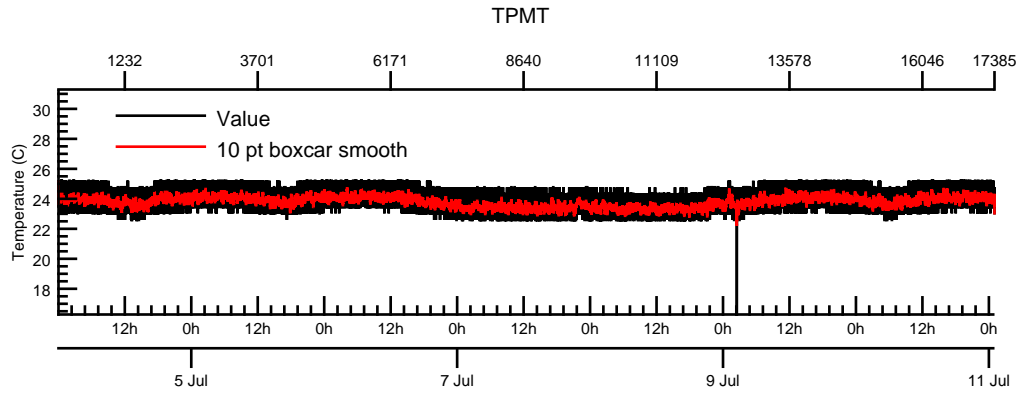


TCZT<1,2,3>

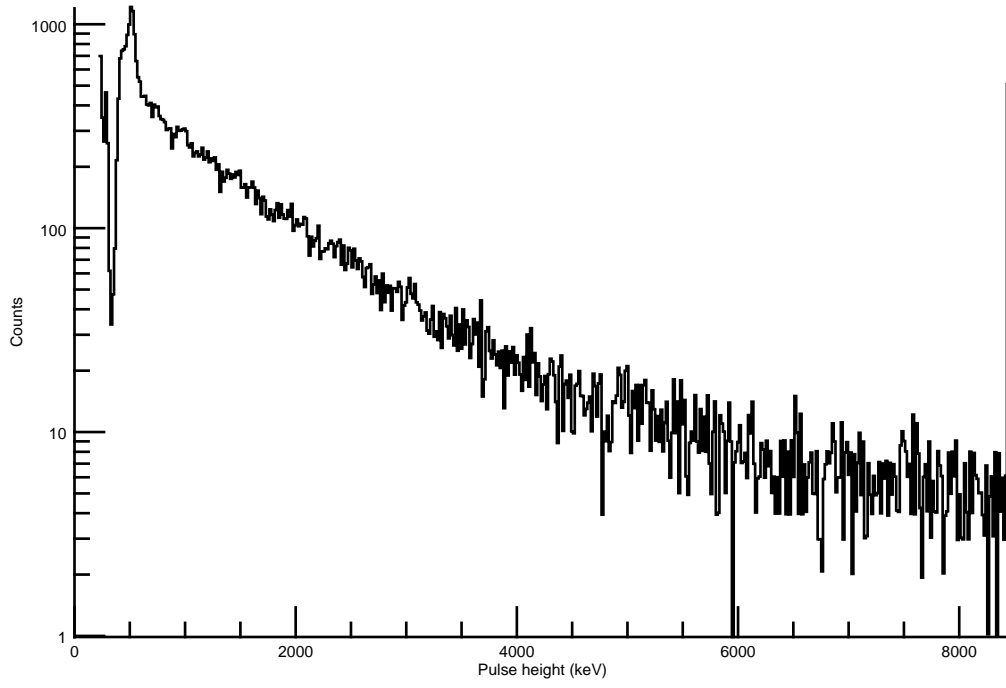




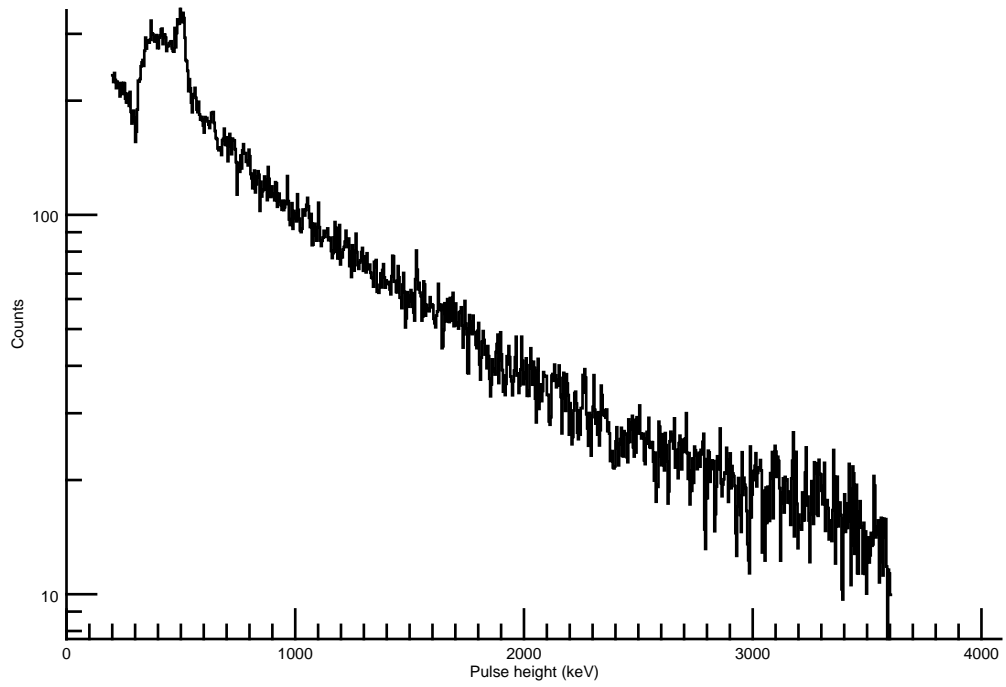




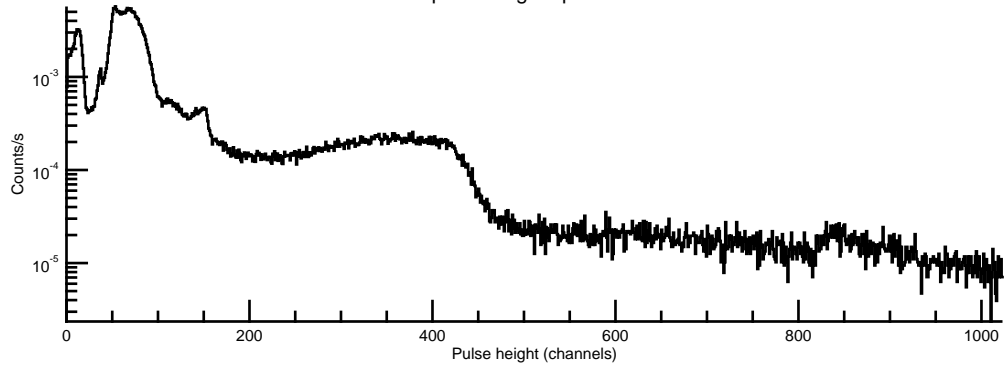
BGO-CZT pair spectrum: BGO



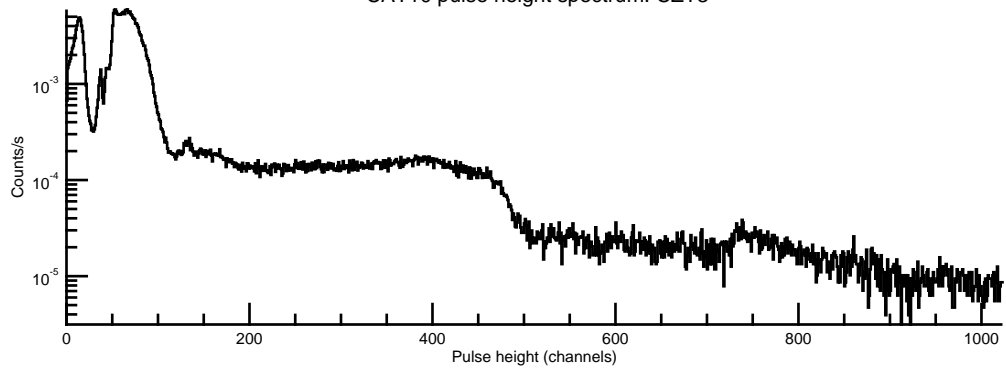
BGO-CZT pair spectrum: CZT



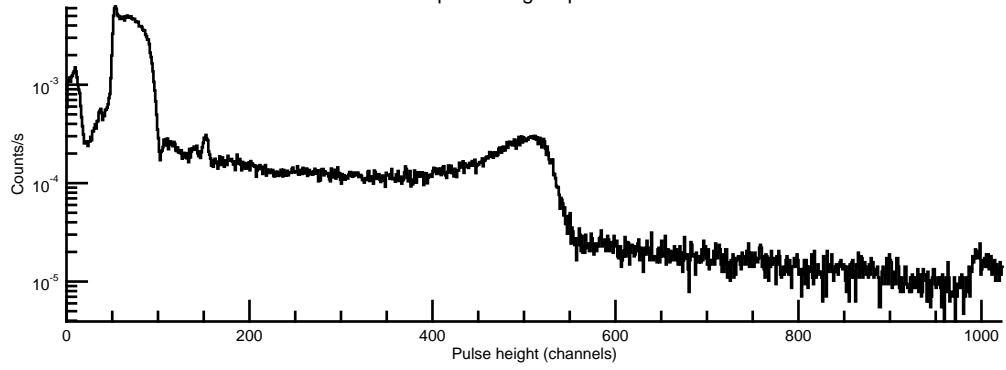
CAT10 pulse height spectrum: CZT11



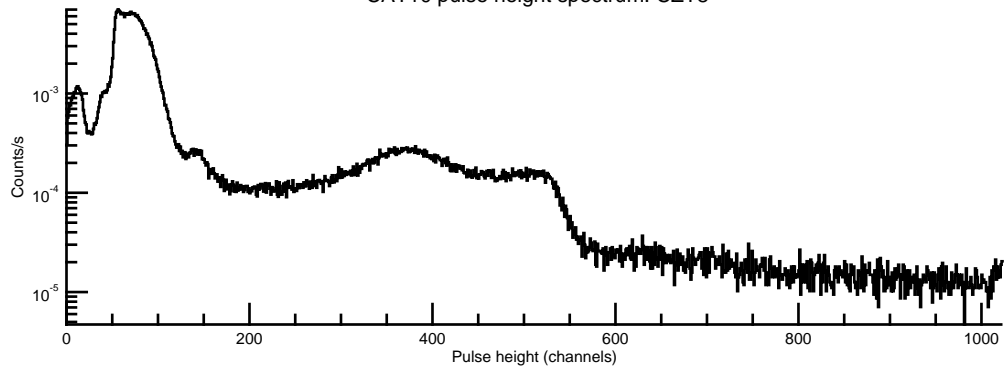
CAT10 pulse height spectrum: CZT3



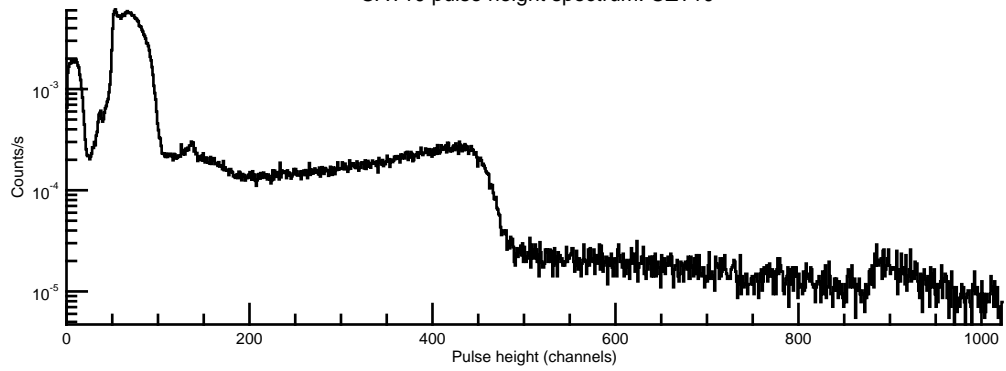
CAT10 pulse height spectrum: CZT2



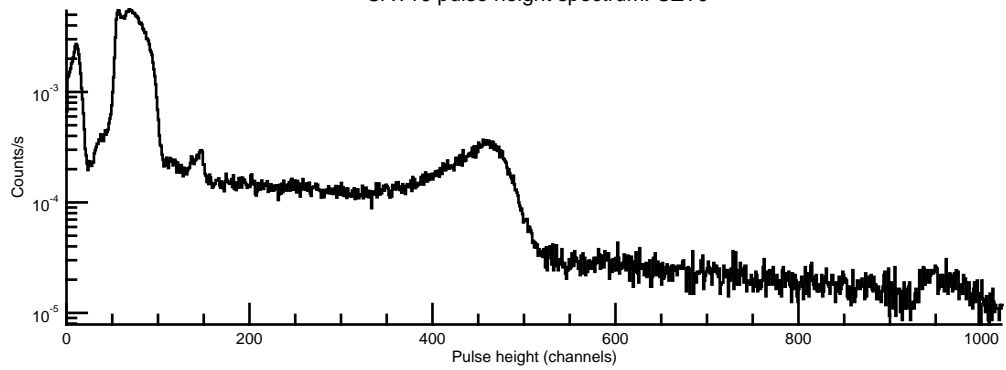
CAT10 pulse height spectrum: CZT8



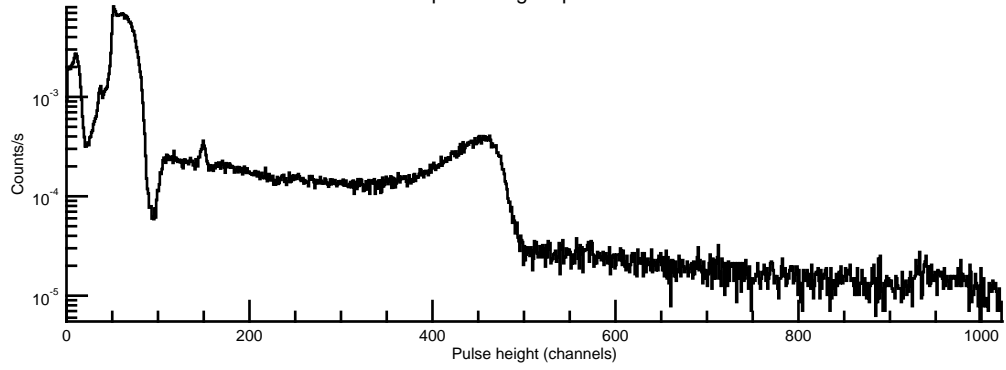
CAT10 pulse height spectrum: CZT10



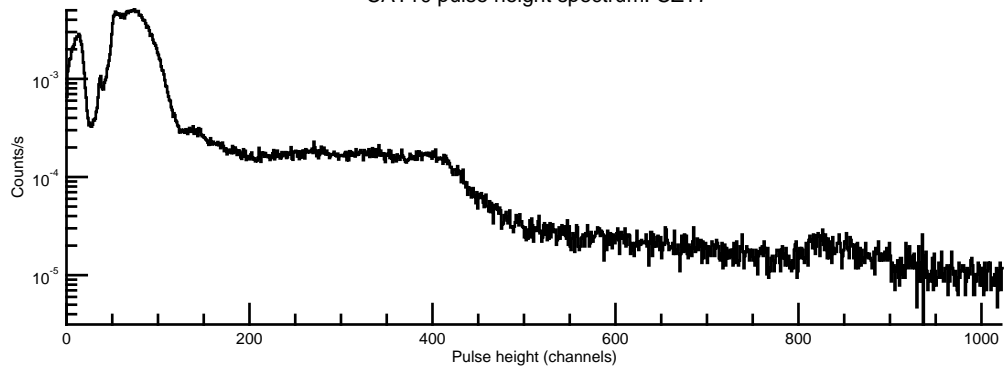
CAT10 pulse height spectrum: CZT0



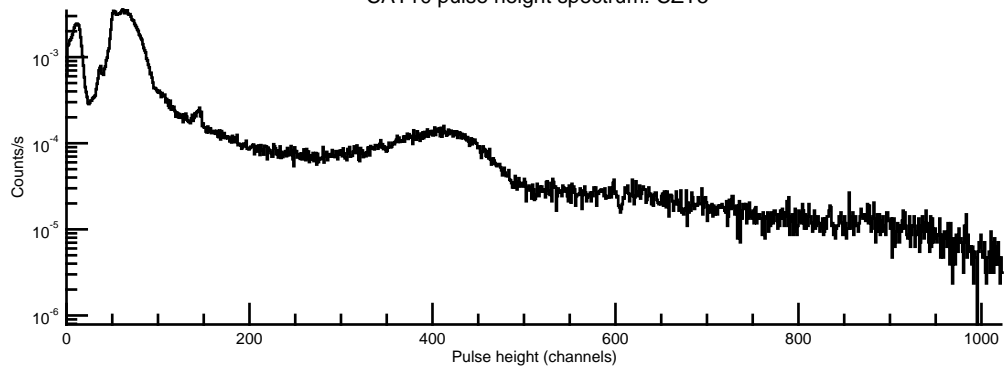
CAT10 pulse height spectrum: CZT15



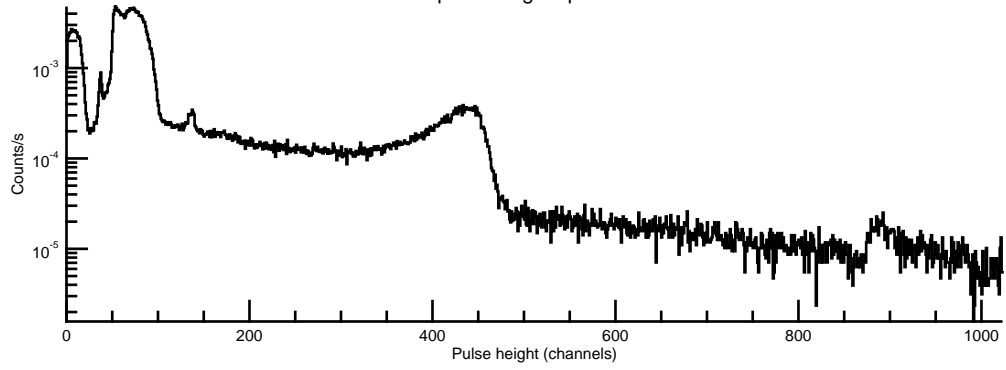
CAT10 pulse height spectrum: CZT7



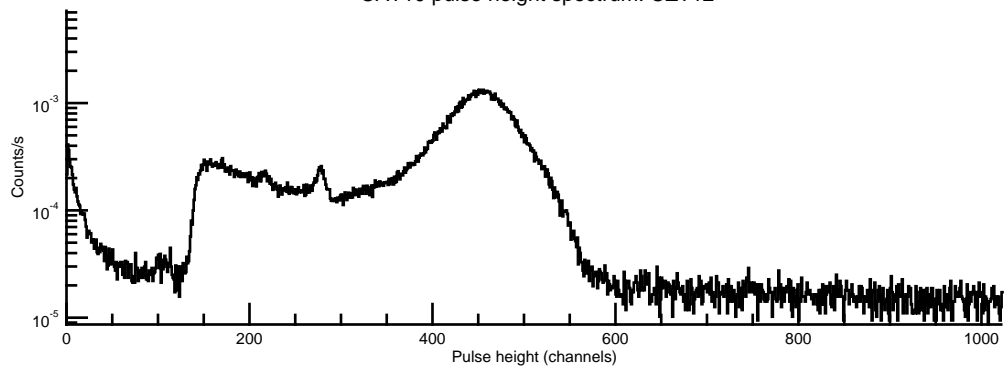
CAT10 pulse height spectrum: CZT5



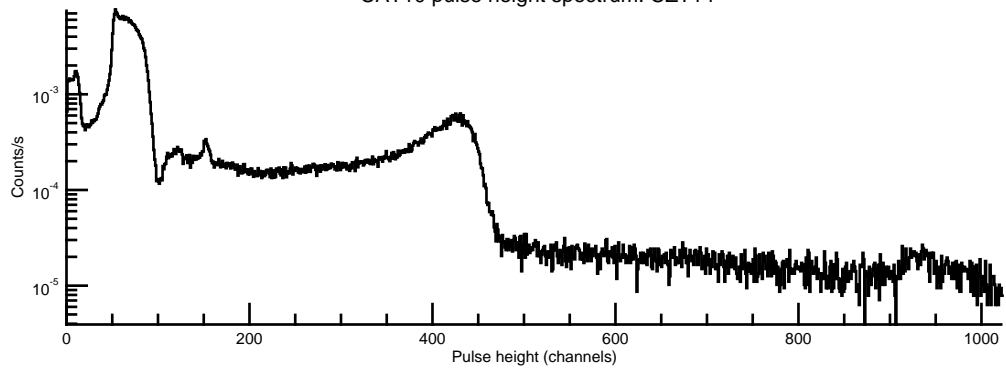
CAT10 pulse height spectrum: CZT6



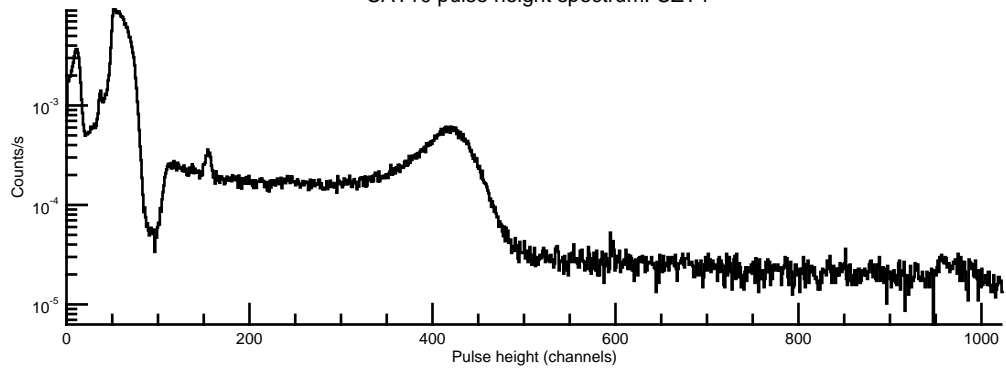
CAT10 pulse height spectrum: CZT12



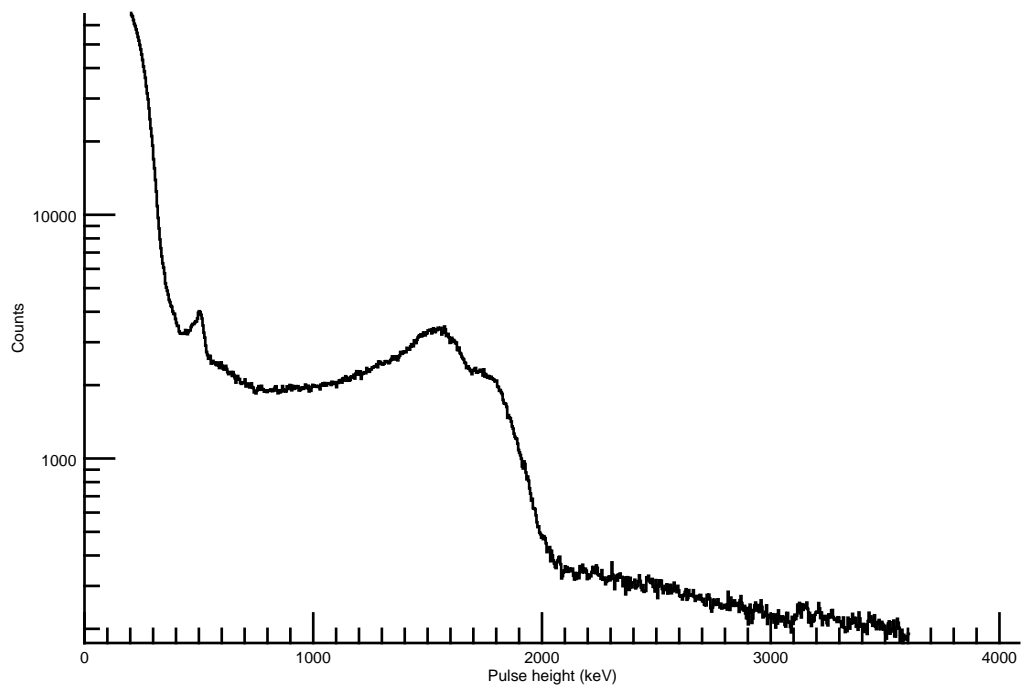
CAT10 pulse height spectrum: CZT14



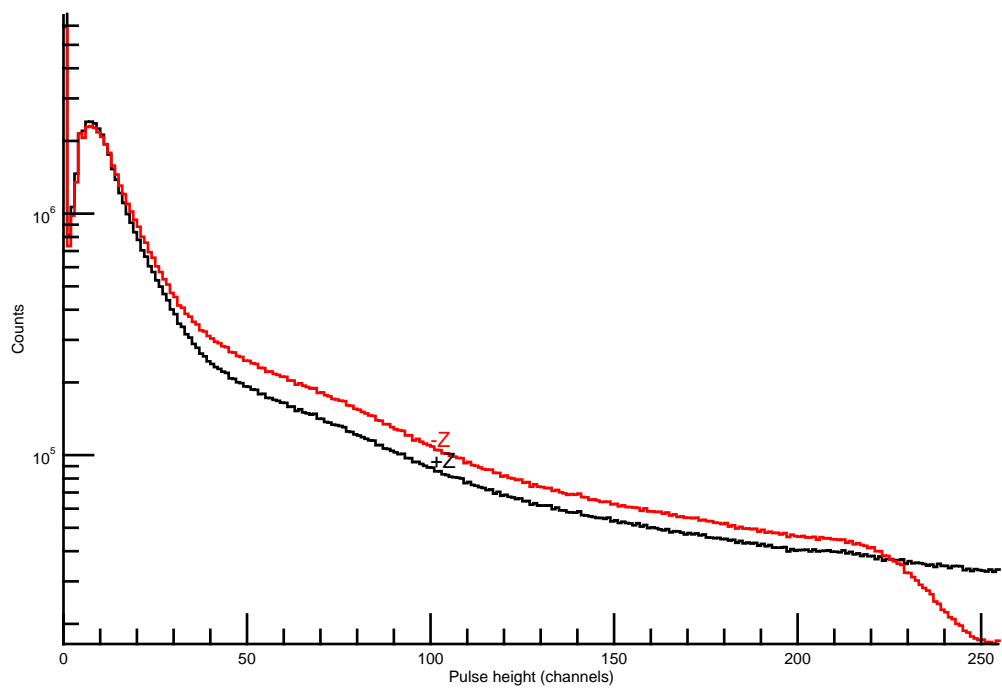
CAT10 pulse height spectrum: CZT4



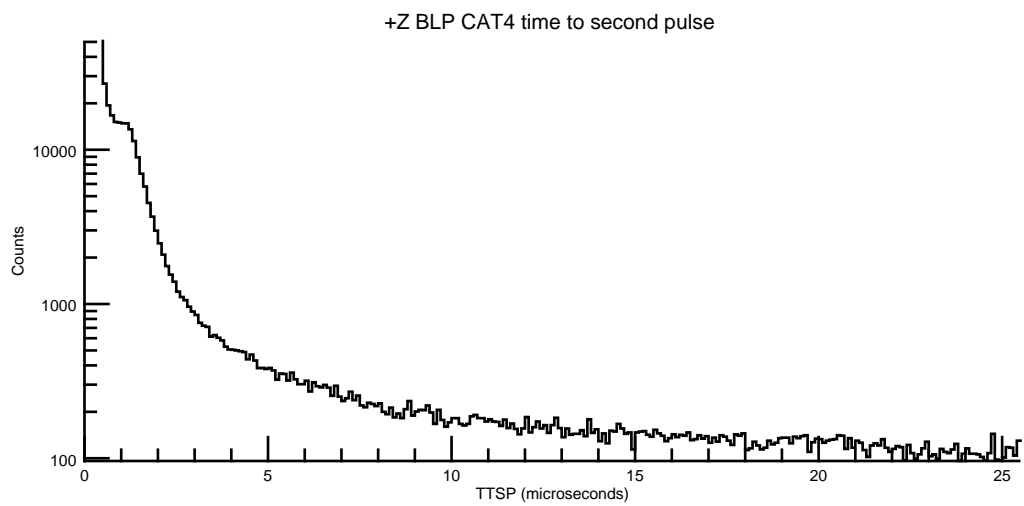
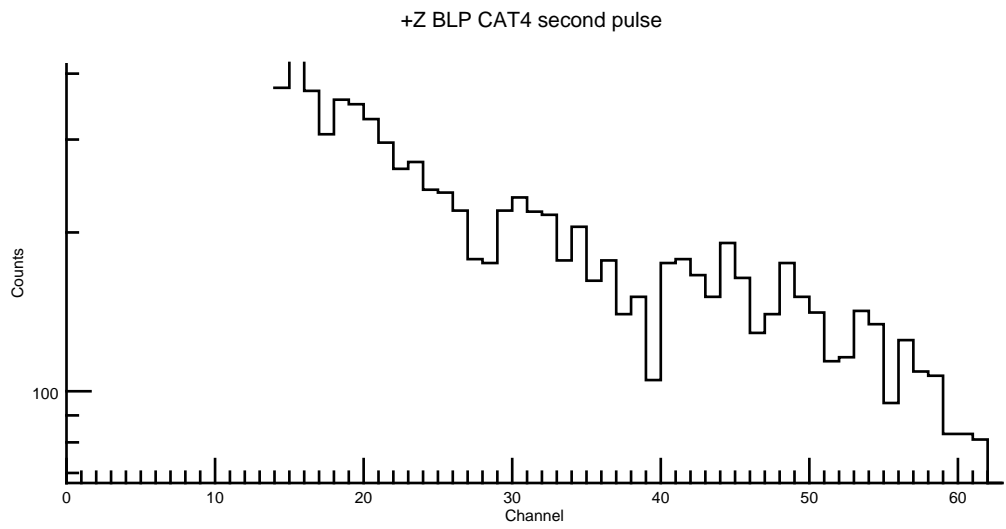
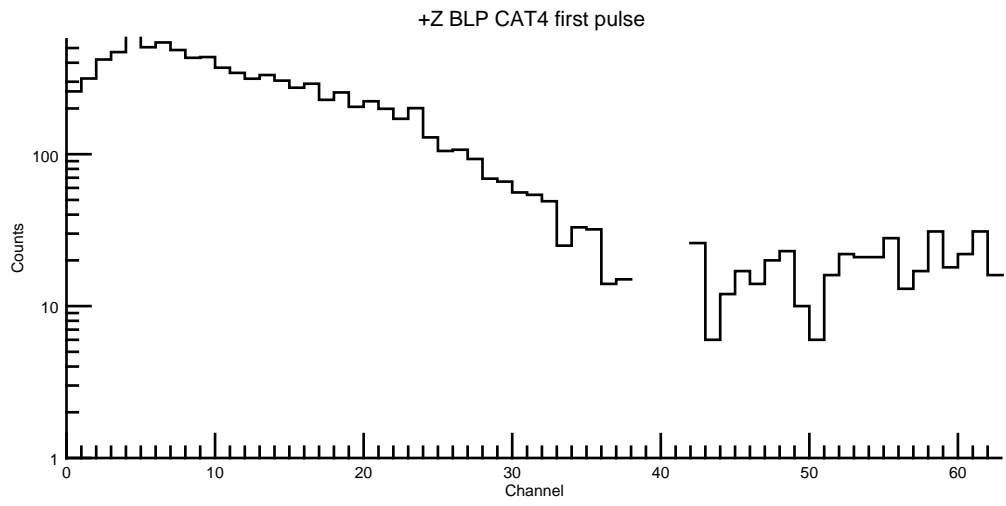
CAT10 CZT composite



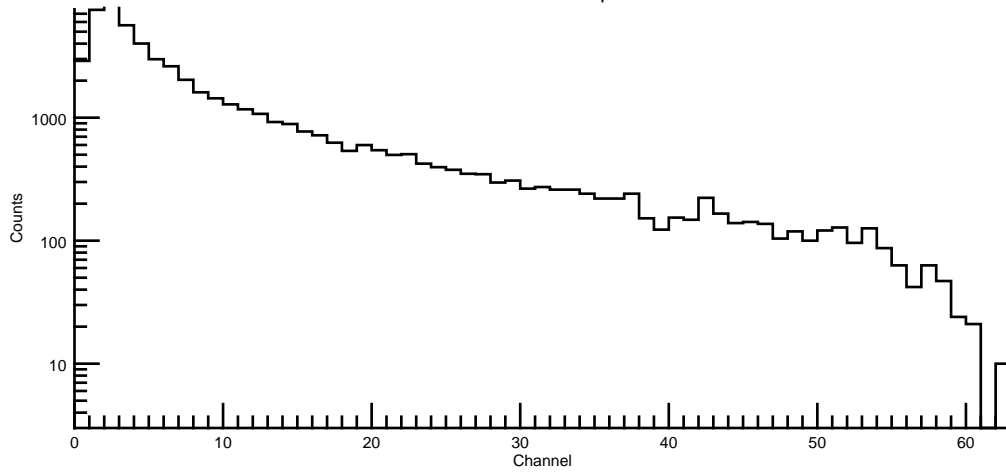
CAT1 histograms



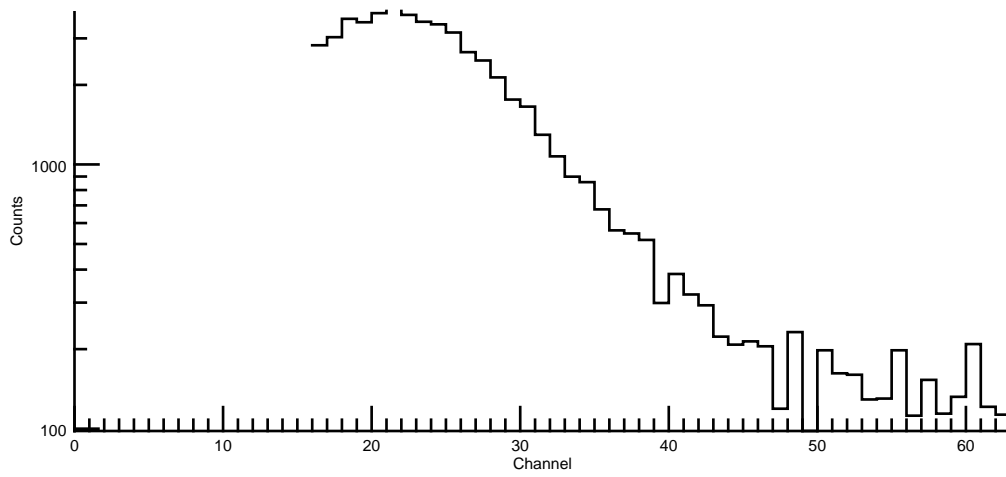




-Y BLP CAT4 first pulse



-Y BLP CAT4 second pulse



-Y BLP CAT4 time to second pulse

