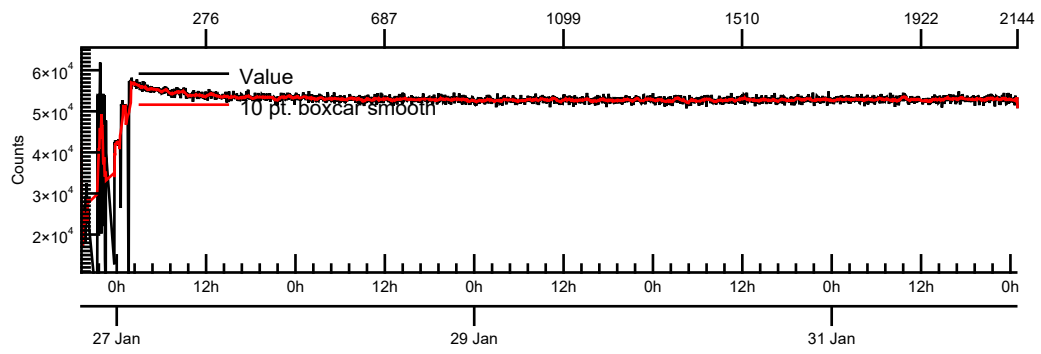


NASA Dawn Mission  
 GRaND@Ceres Browse Charts  
 Ceres cxg DA926 17025\_0

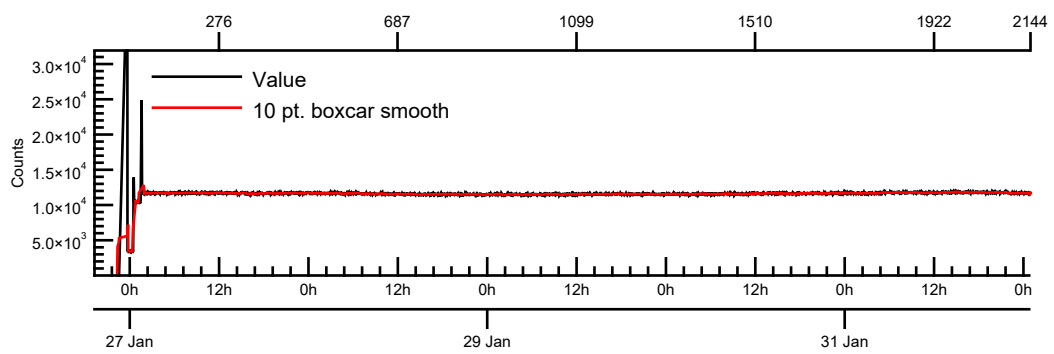
- Number of science records: 2145  
 15970 missing science packets with 1 gaps.  
 Start/End: 2017-01-26T19:16:44 to 2017-02-01T00:57:28
- Number of SOH records: 12872  
 16254 missing SOH packets with 1 gaps.  
 Start/End: 2017-01-26T19:02:33 to 2017-02-01T00:59:33
- Comments: Browse charts.
  - Provides 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 = 123
- Instrument settings for first state (STATE\_INDEX 585):

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

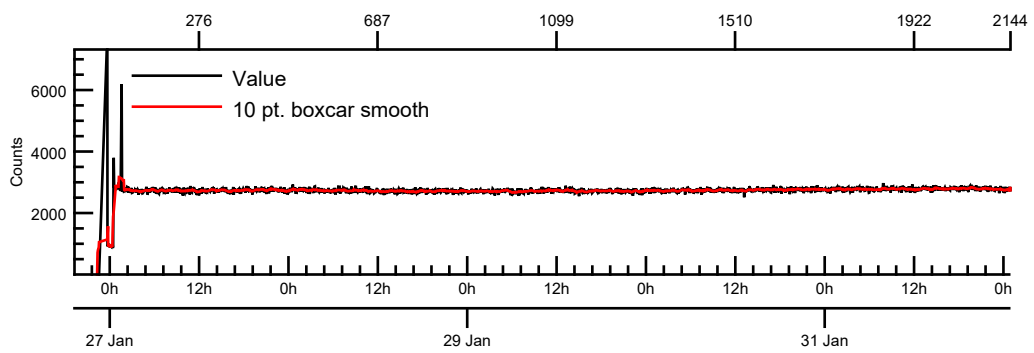
Dead time counts



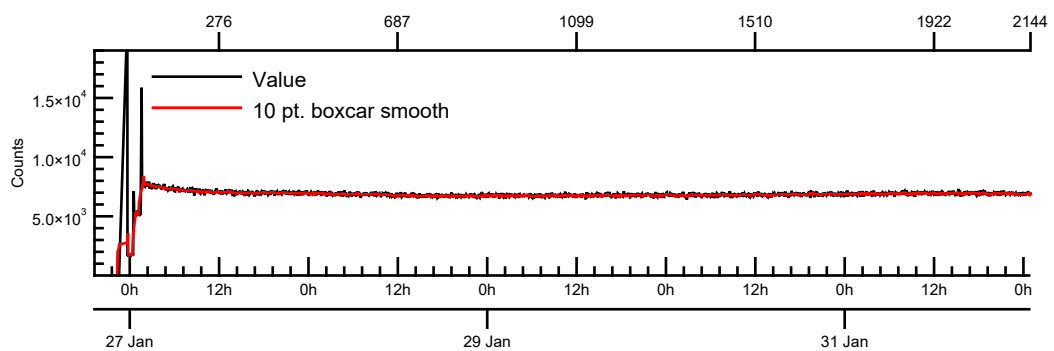
BGO overload events



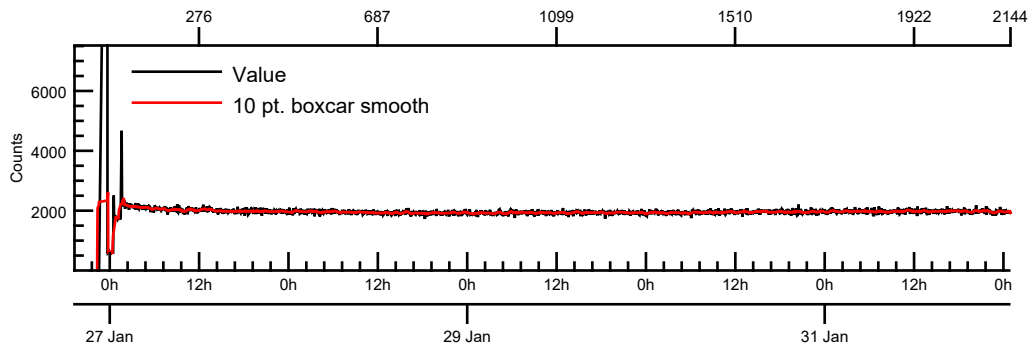
CZT overload events



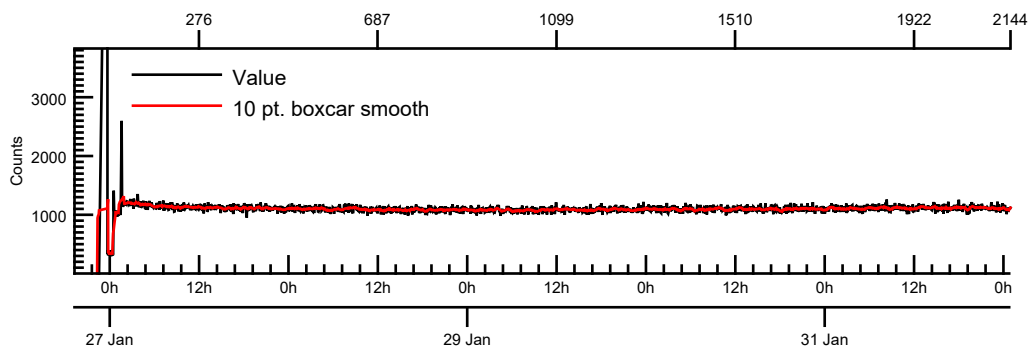
+Z phoswich overload events



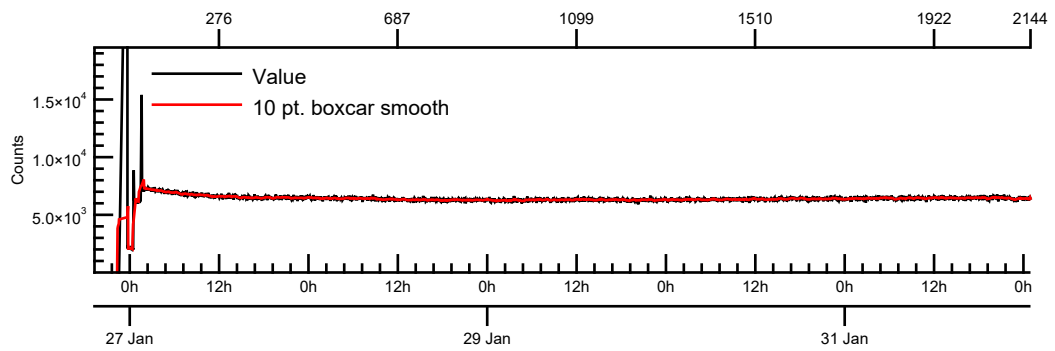
-Y BLP overload events



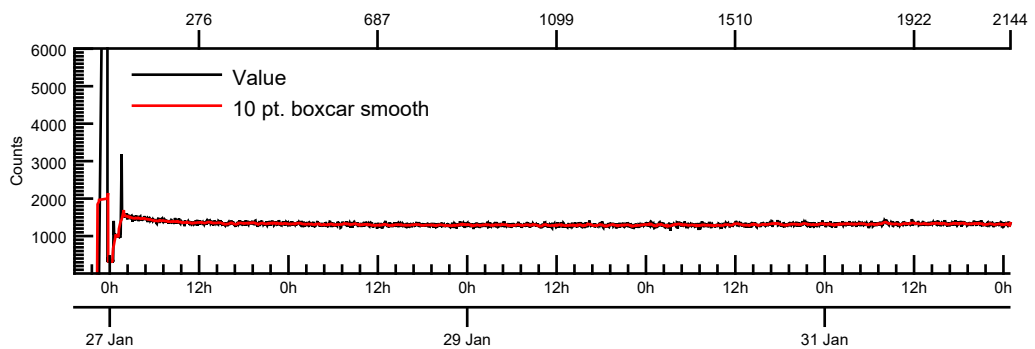
+Y BLP overload events



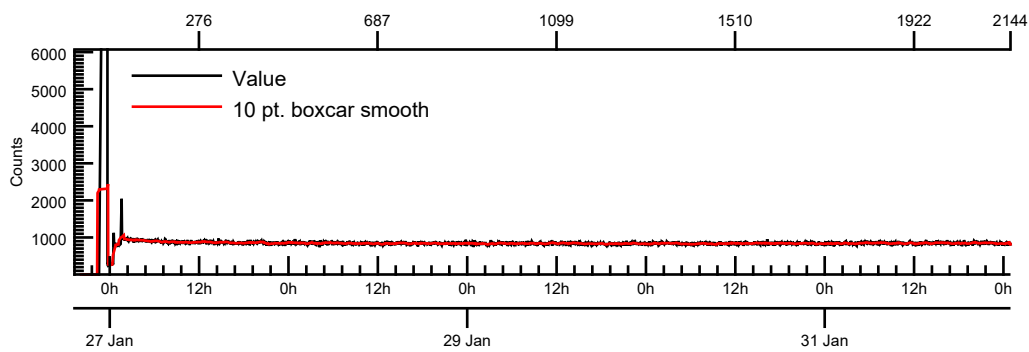
-Z phoswich overload events



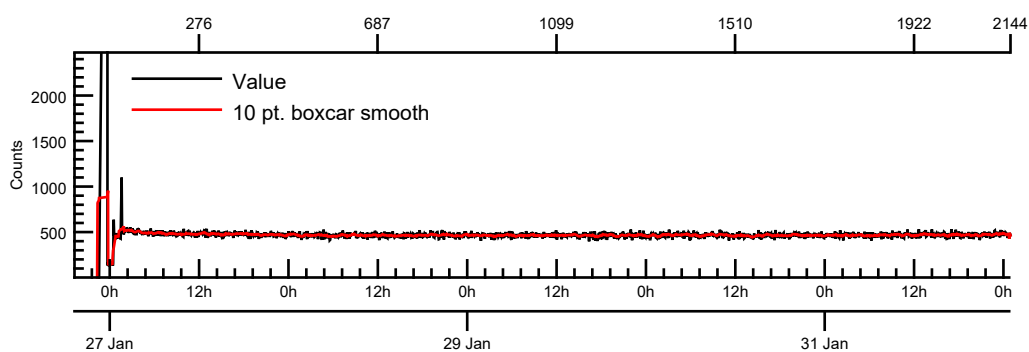
+Z phoswich CAT4 events



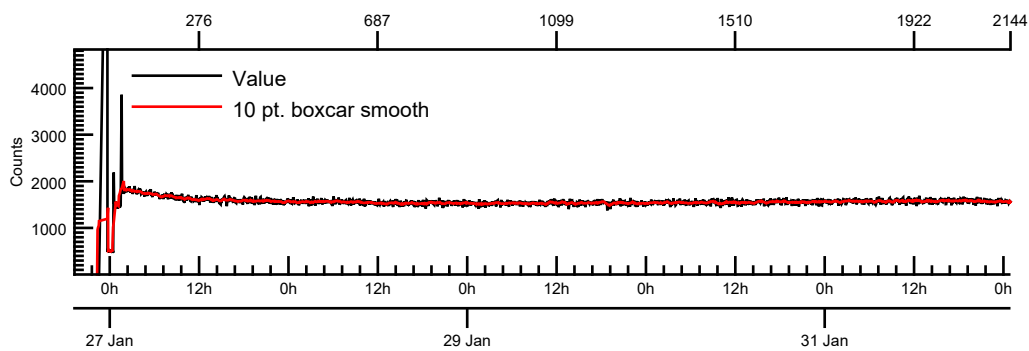
-Y BLP CAT4 events



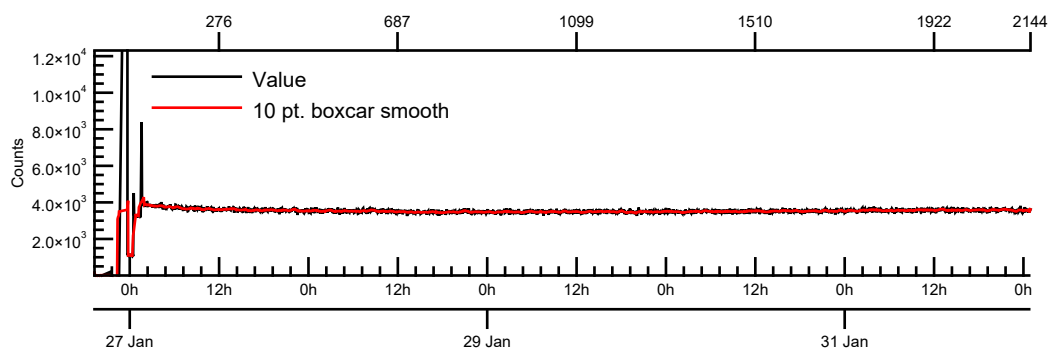
+Y BLP CAT4 events



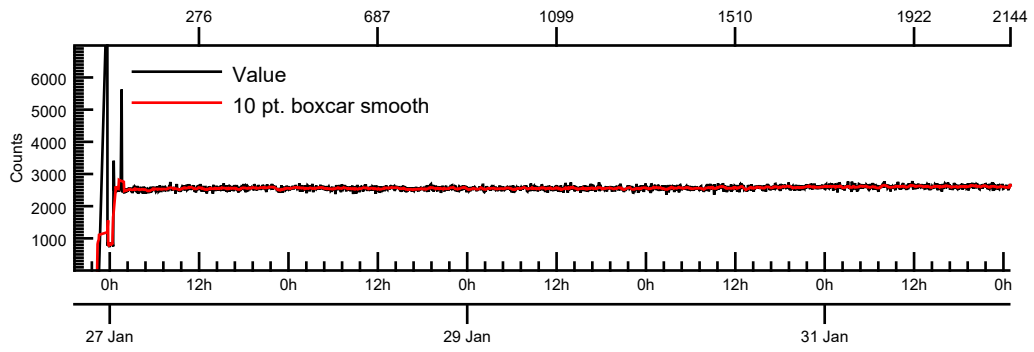
-Z phoswich CAT4 events



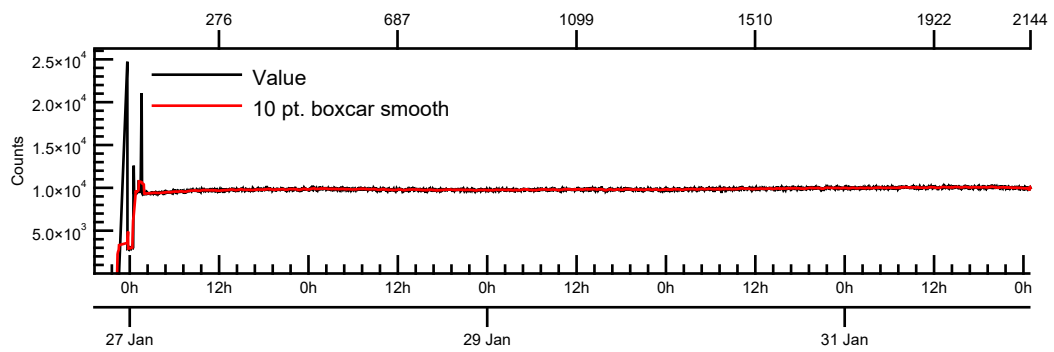
Early second interaction events



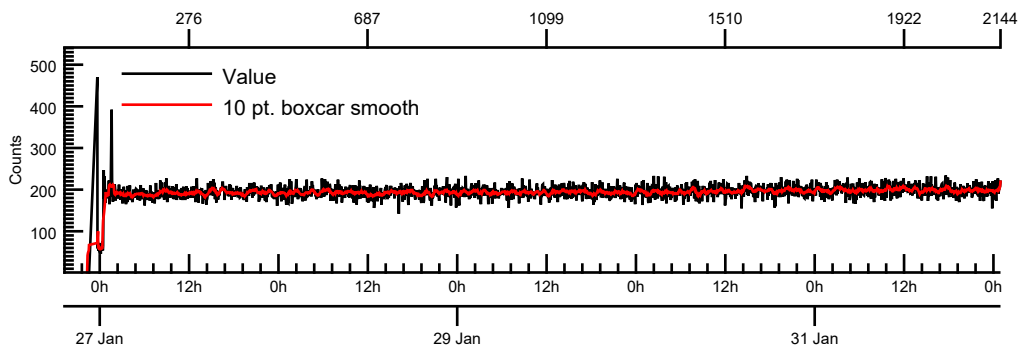
Multiple-crystal CZT events



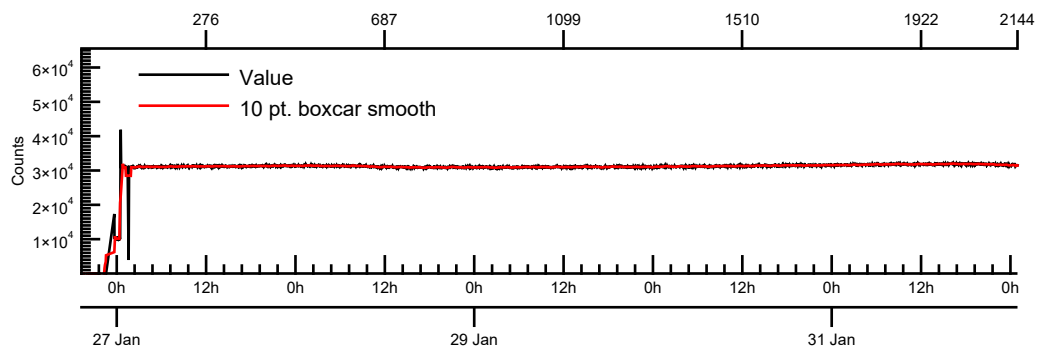
Valid CZT events (CAT10)



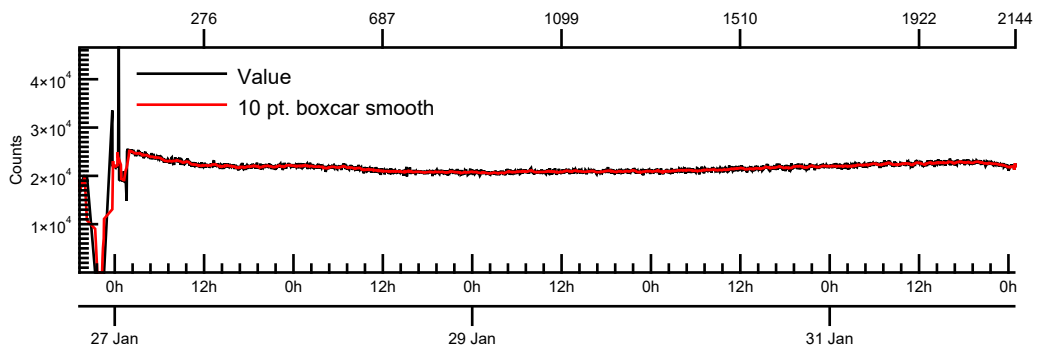
Coincidence BGO and CZT events (CAT7)



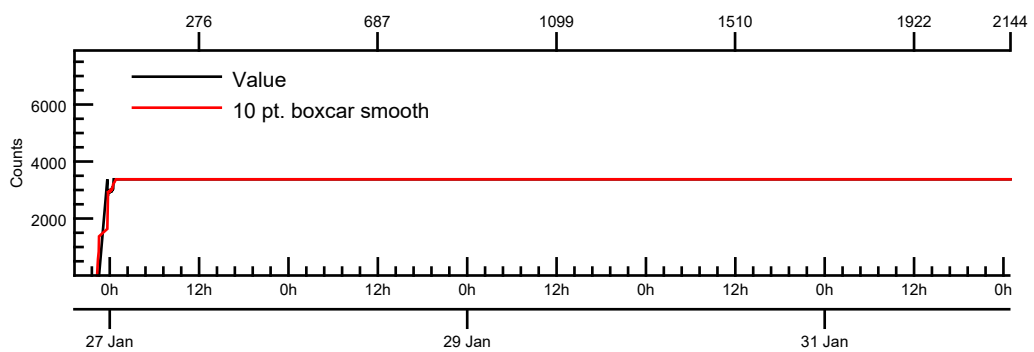
Coincidence of three or more sensor elements



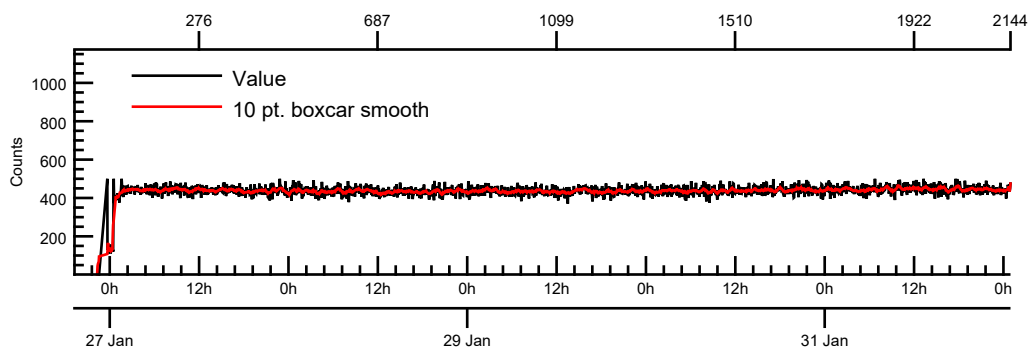
Total events processed by GRaND



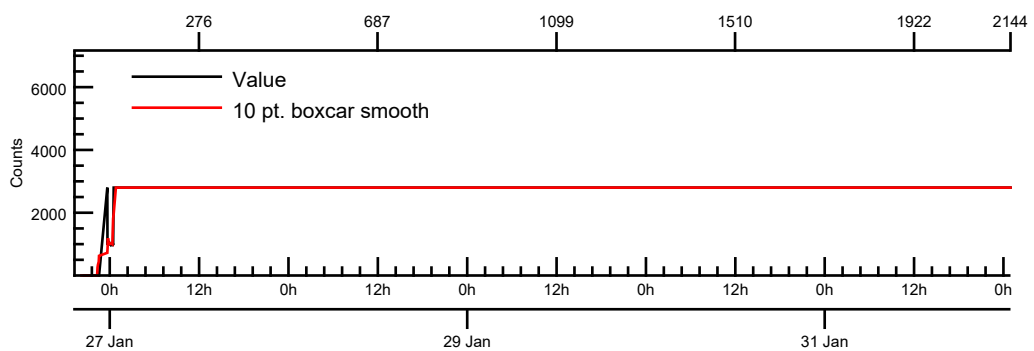
Number of single CZT events (CAT10) in the gamma ray event buffer

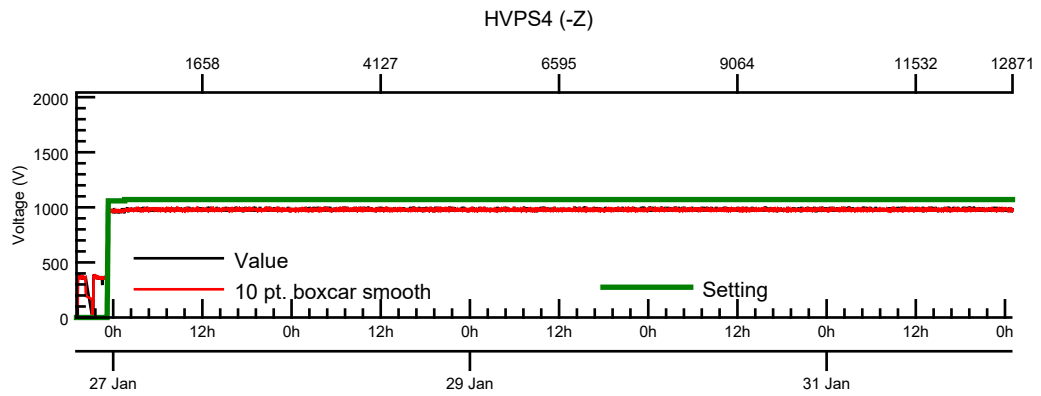
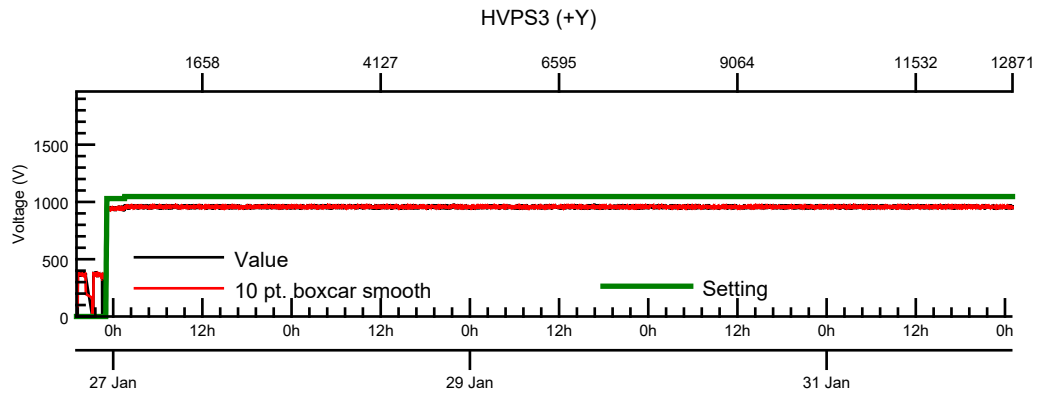
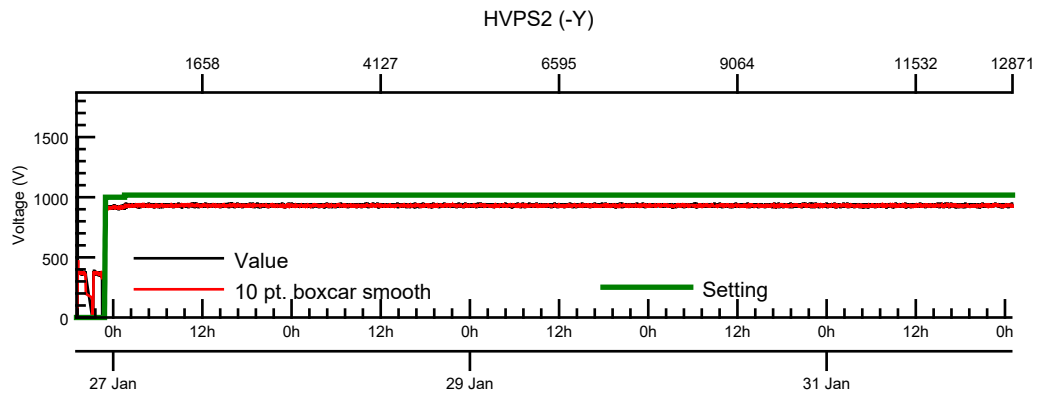
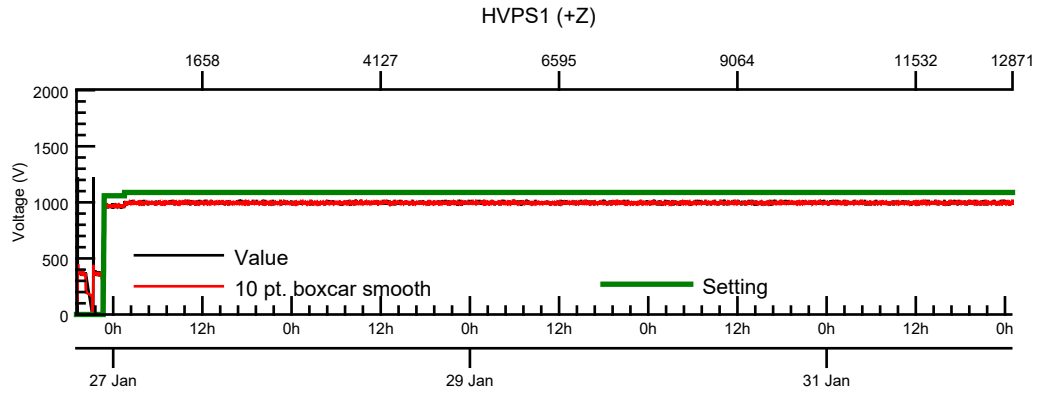


Number of BGO-CZT events (CAT7) in the gamma ray event buffer

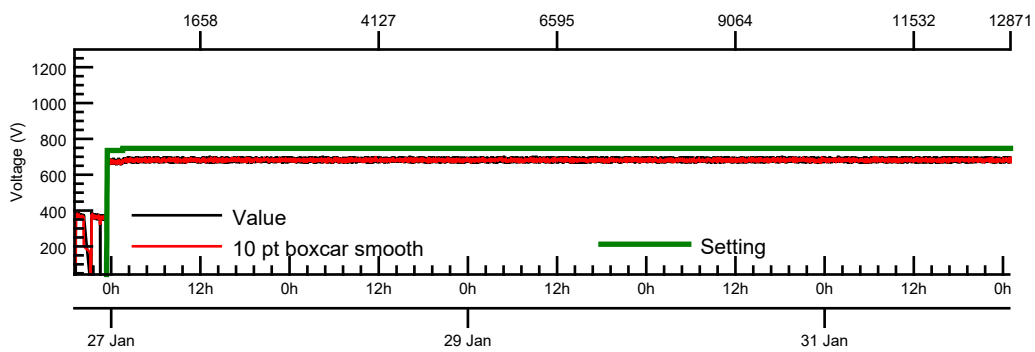


Number of events (CAT4) in the neutron event buffer

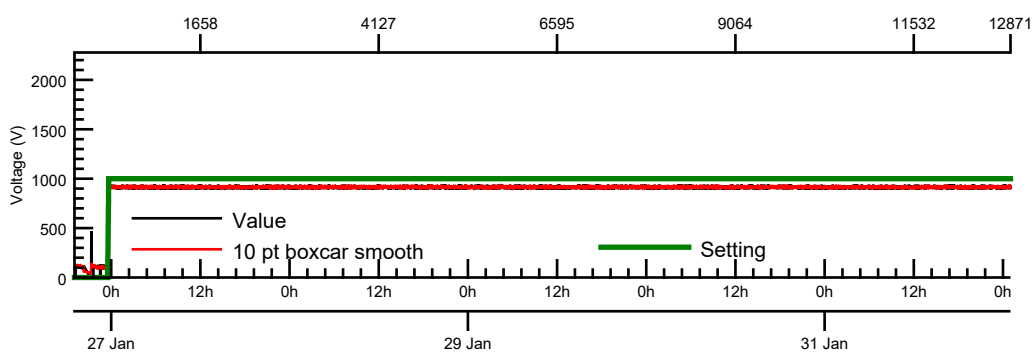




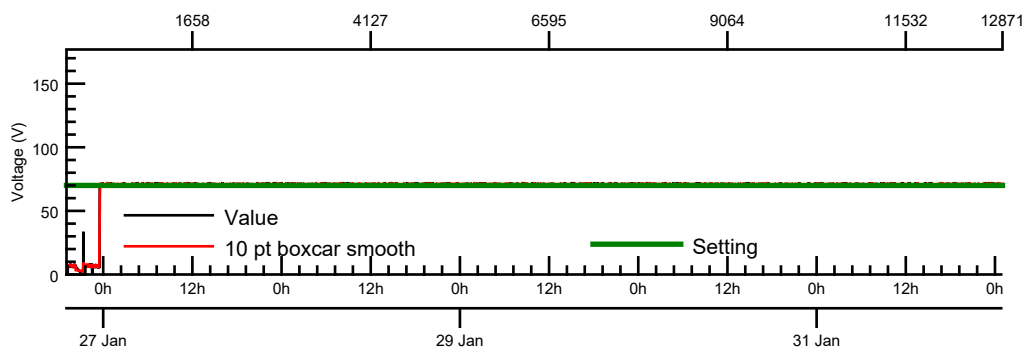
HVPS5 (BGO)



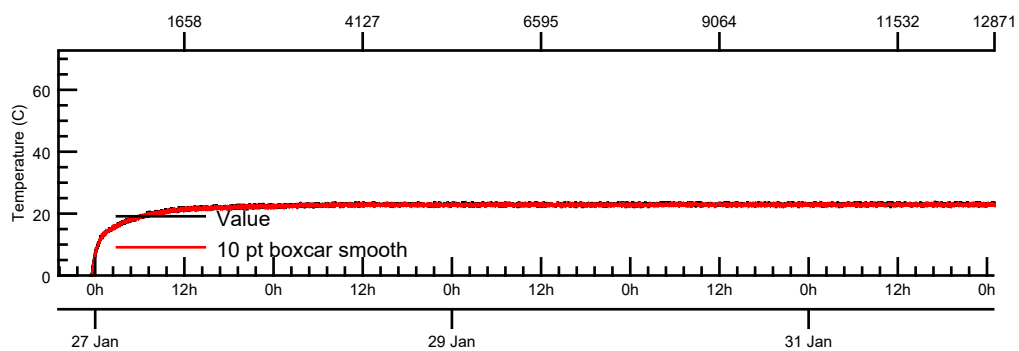
HVPS6 (CZT)



HVPS70 (CZT grid bias)

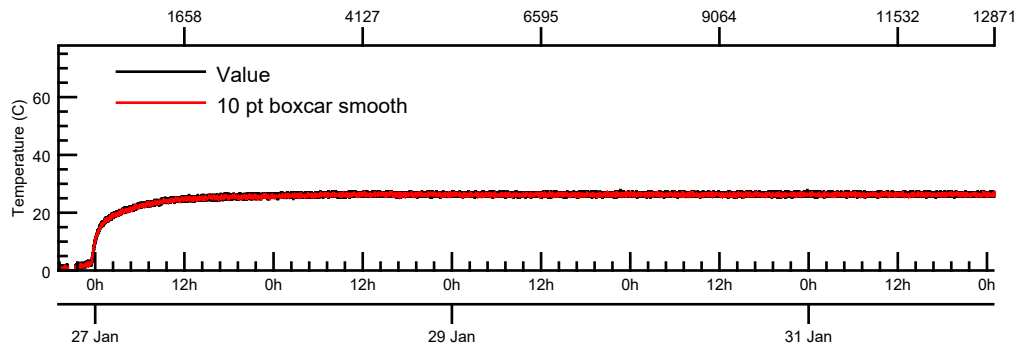


TCZT<1,2,3>

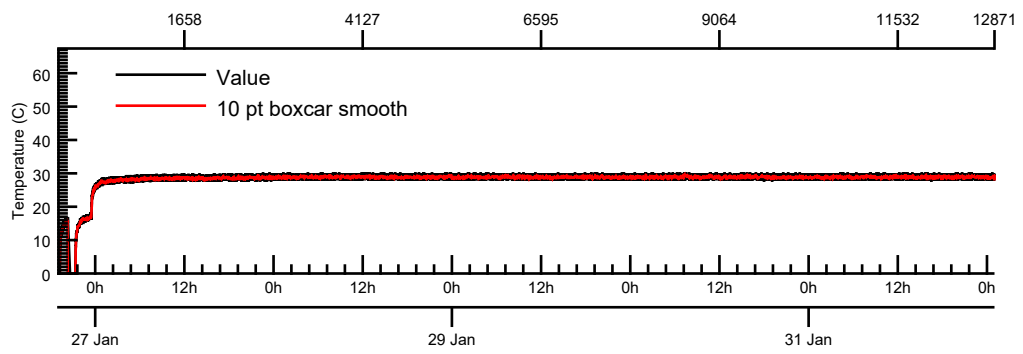




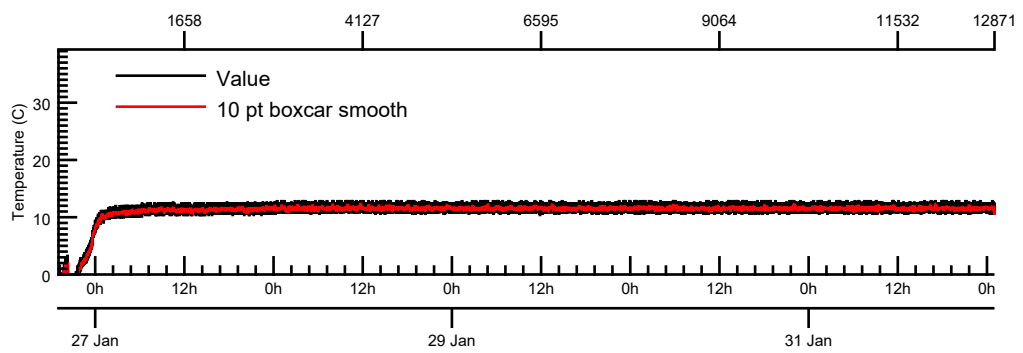
TCZT4



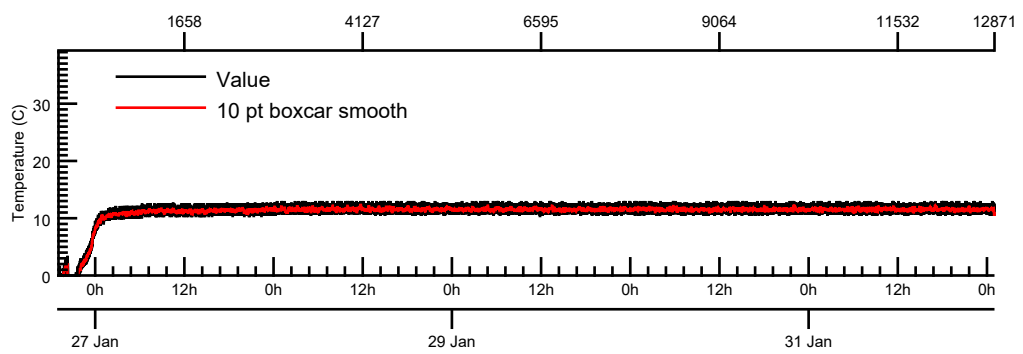
TLVPS

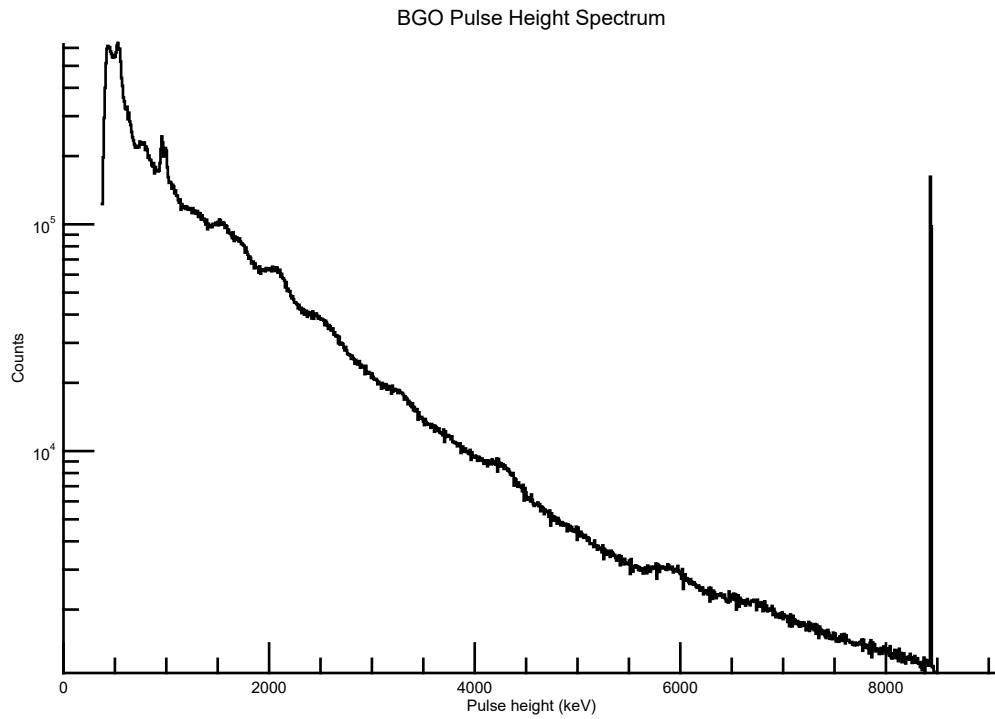
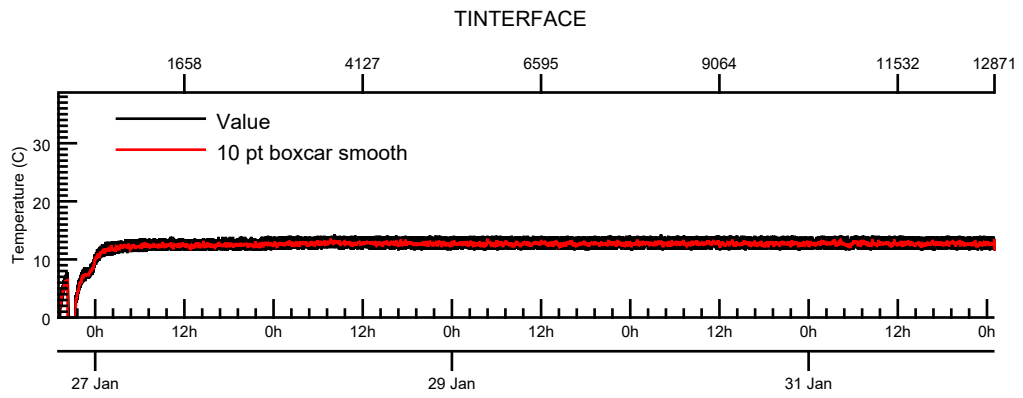
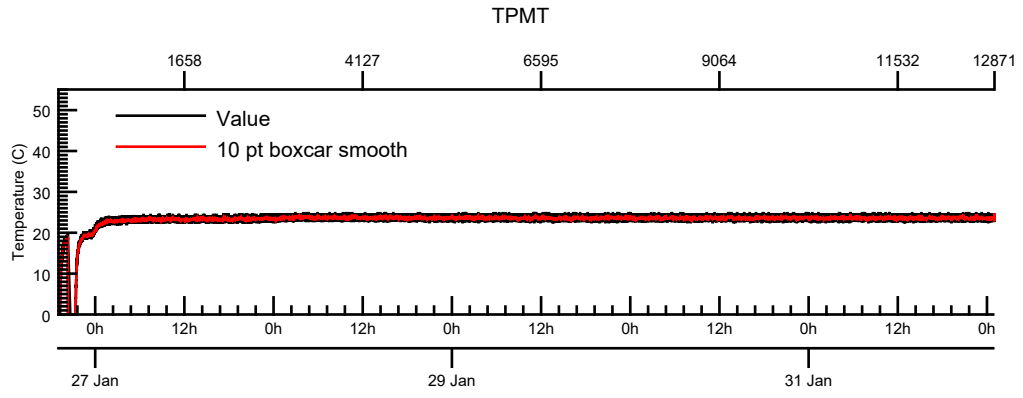


THVPS

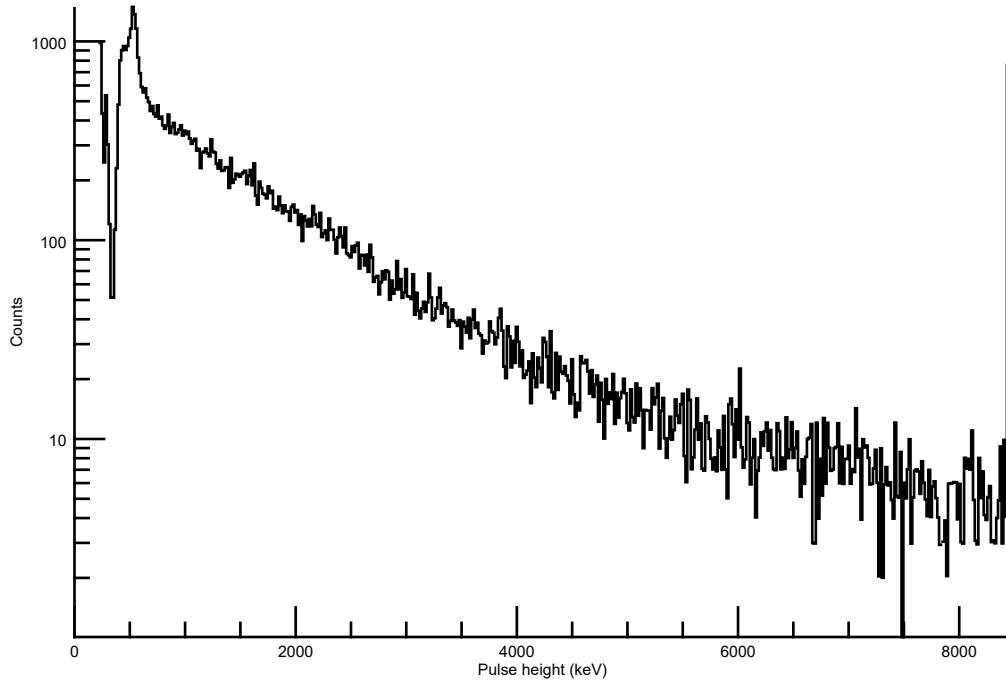


TBGO

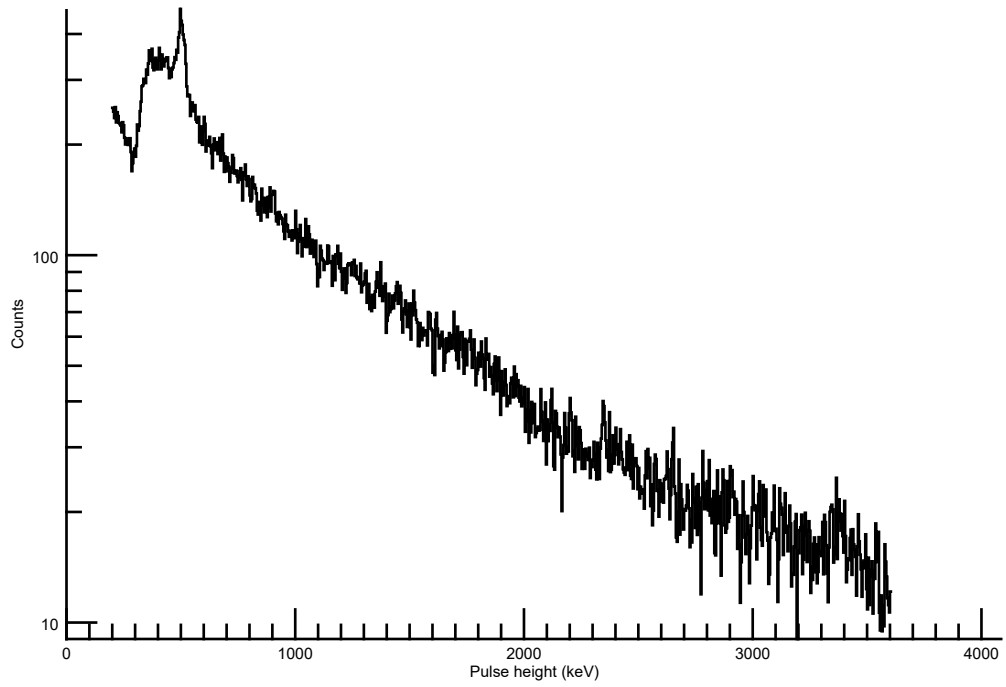




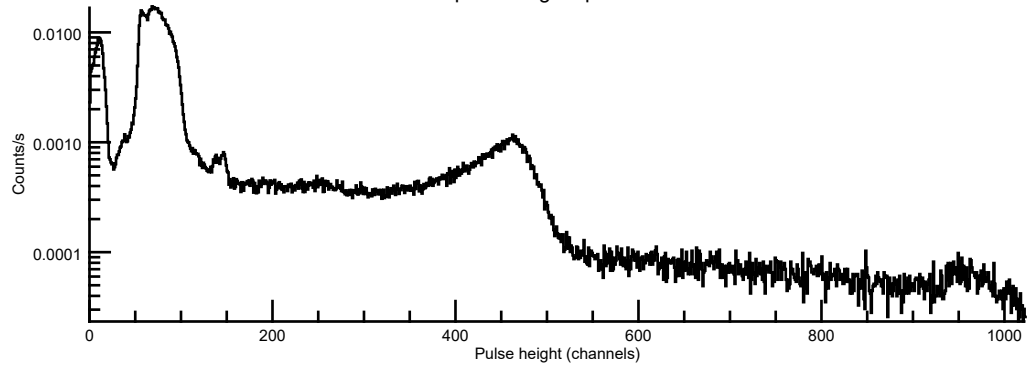
BGO-CZT pair spectrum: BGO



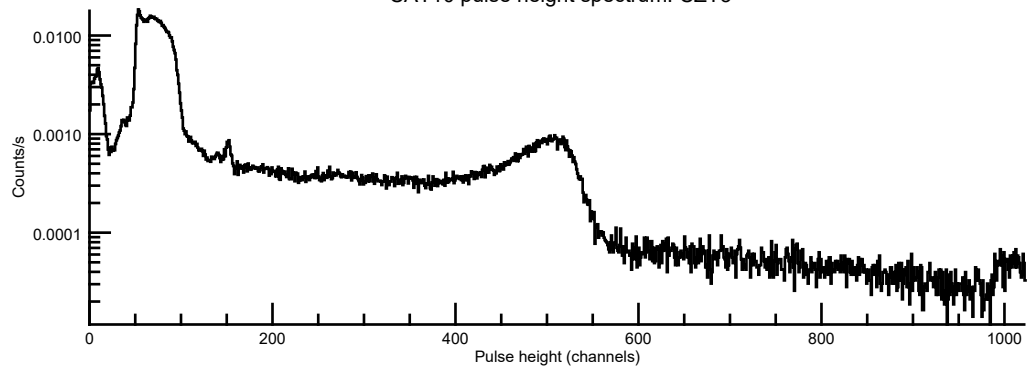
BGO-CZT pair spectrum: CZT



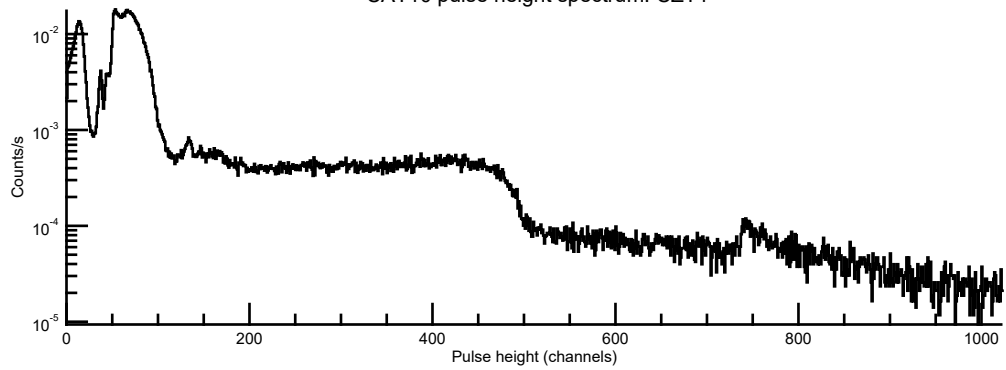
CAT10 pulse height spectrum: CZT11



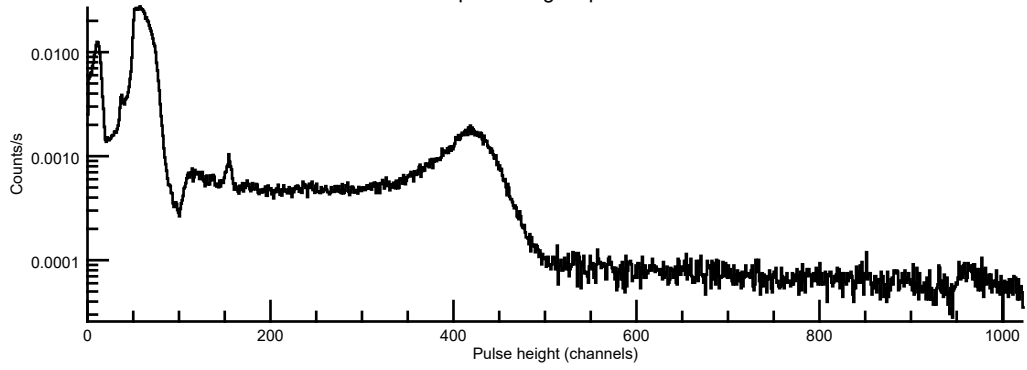
CAT10 pulse height spectrum: CZT3



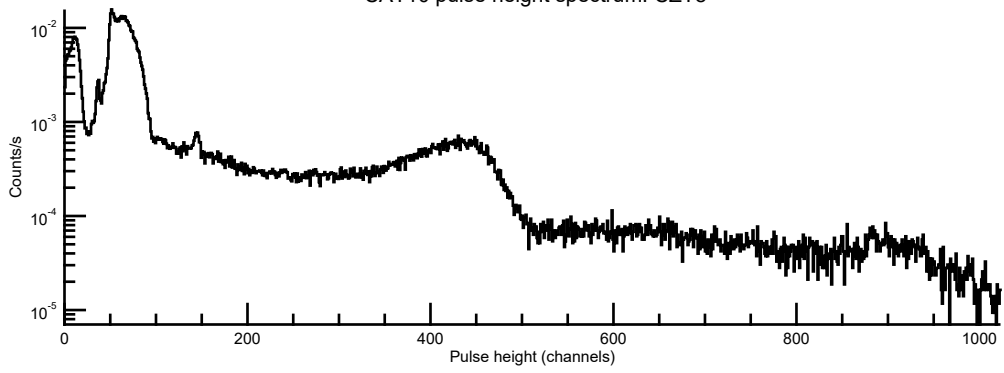
CAT10 pulse height spectrum: CZT1



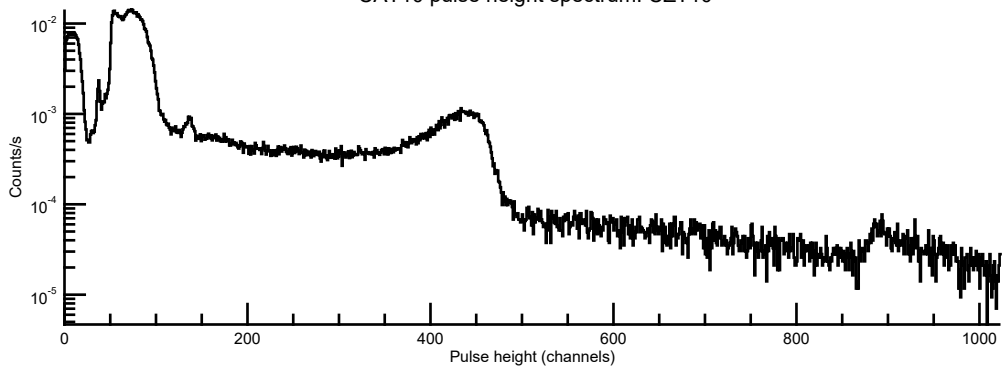
CAT10 pulse height spectrum: CZT2



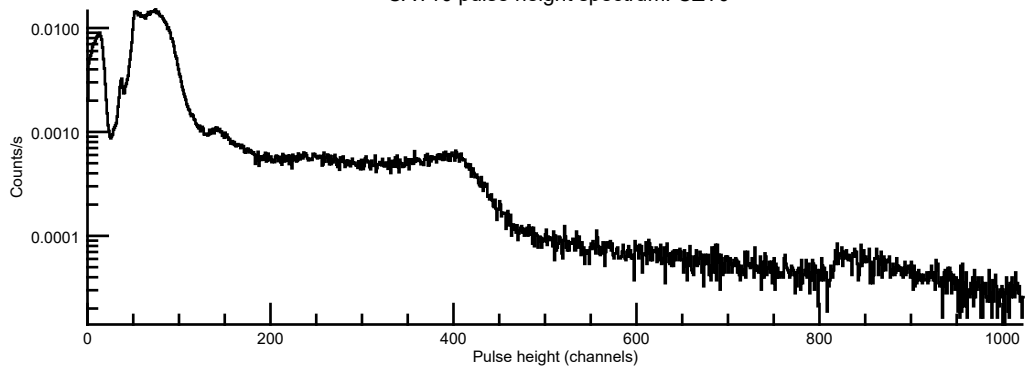
CAT10 pulse height spectrum: CZT8



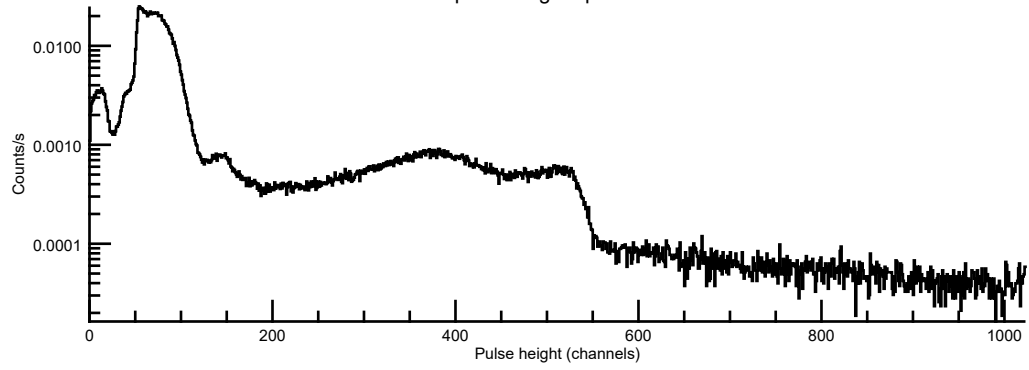
CAT10 pulse height spectrum: CZT10



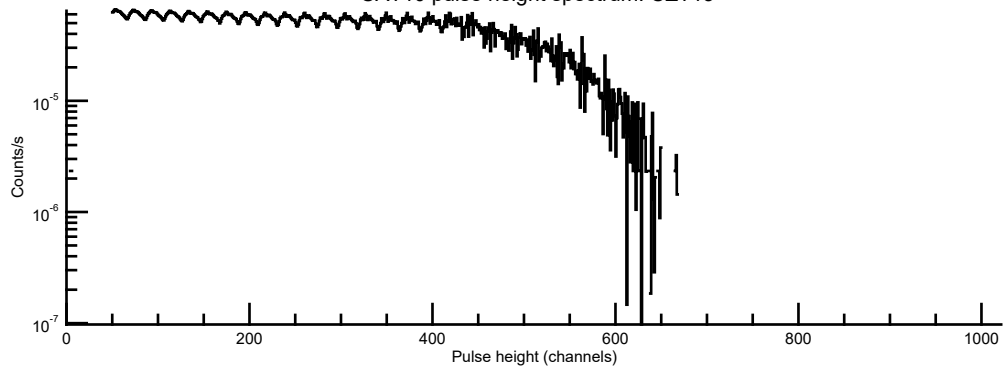
CAT10 pulse height spectrum: CZT0



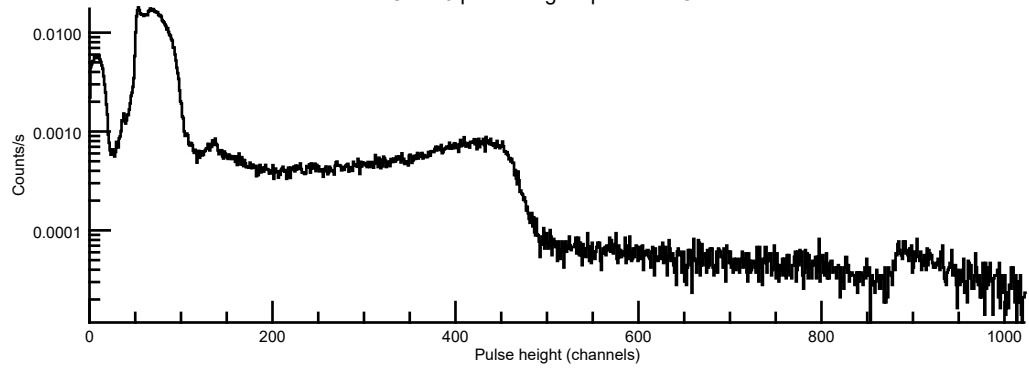
CAT10 pulse height spectrum: CZT15



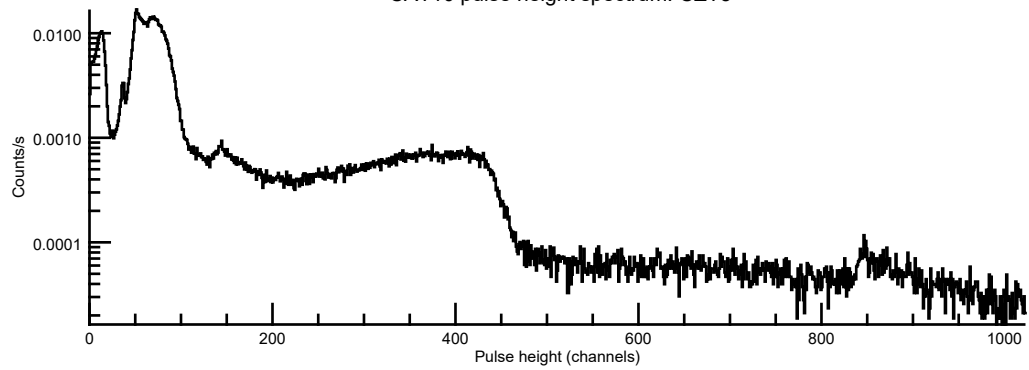
CAT10 pulse height spectrum: CZT13



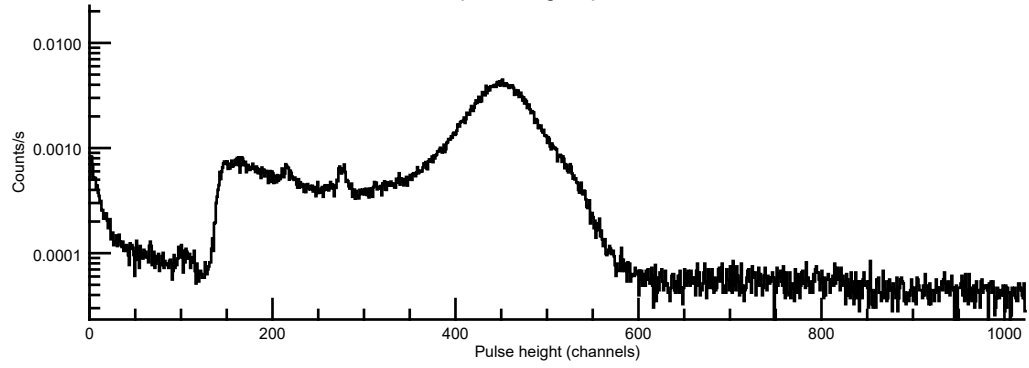
CAT10 pulse height spectrum: CZT7



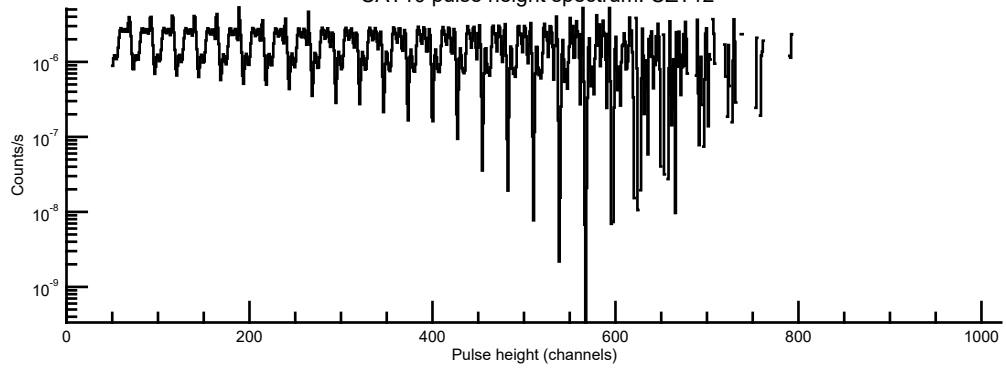
CAT10 pulse height spectrum: CZT5



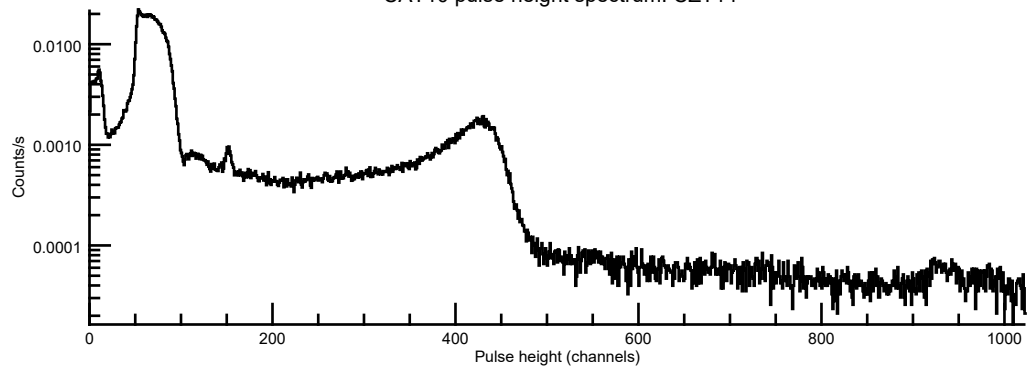
CAT10 pulse height spectrum: CZT6



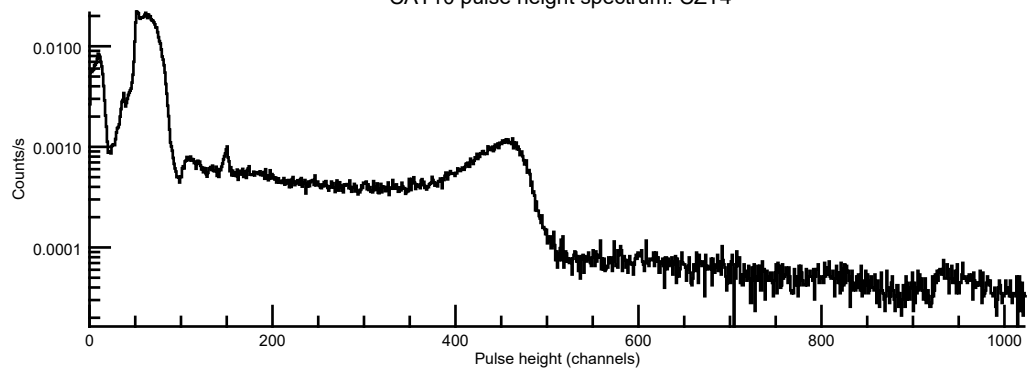
CAT10 pulse height spectrum: CZT12



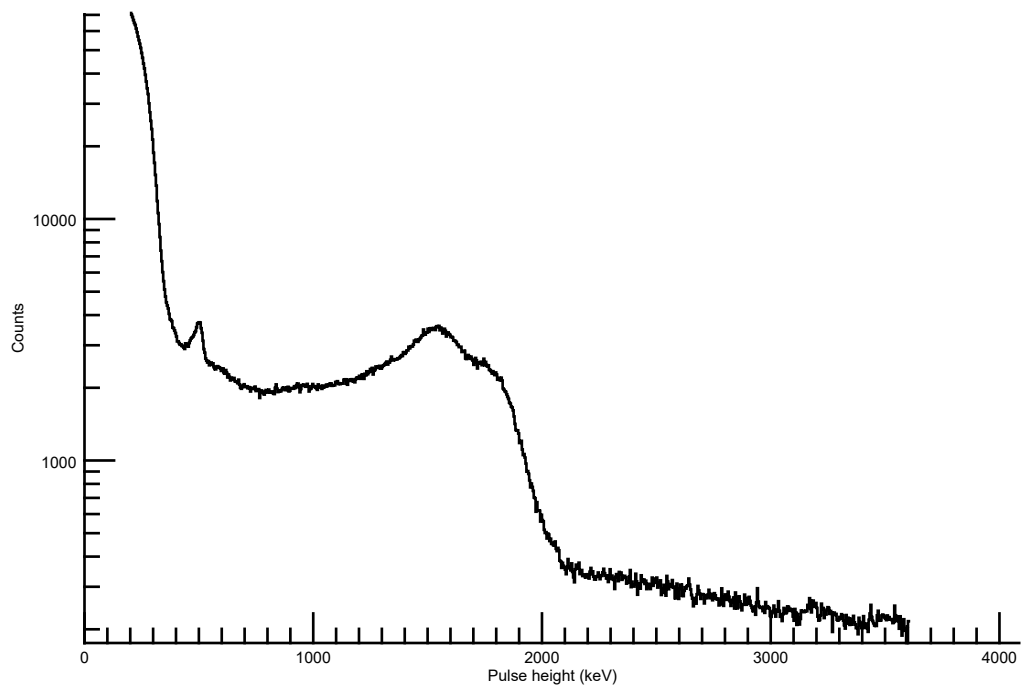
CAT10 pulse height spectrum: CZT14



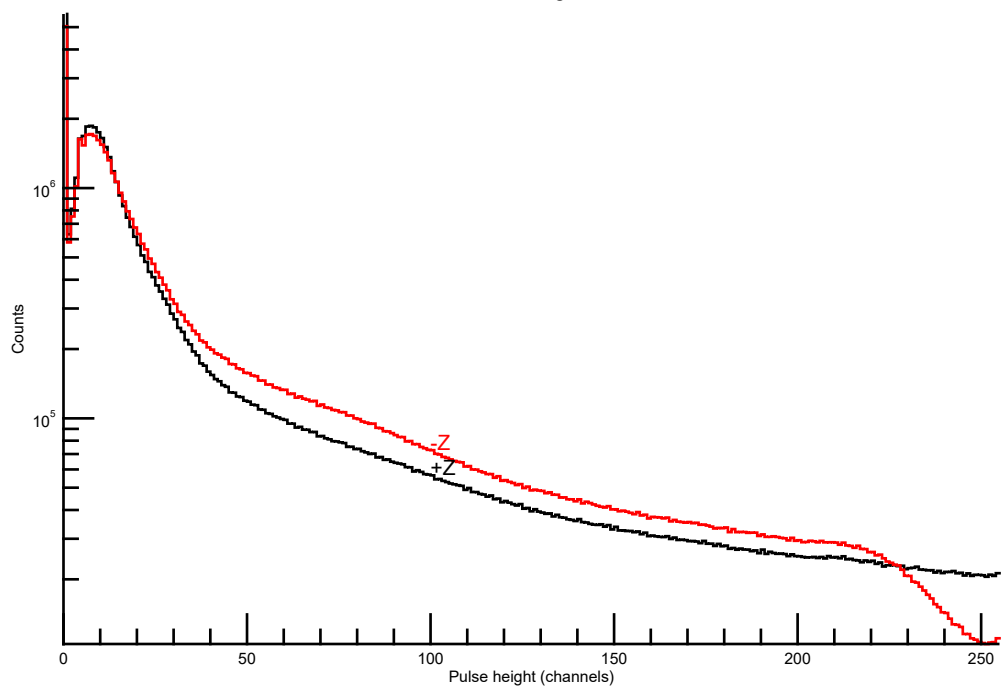
CAT10 pulse height spectrum: CZT4



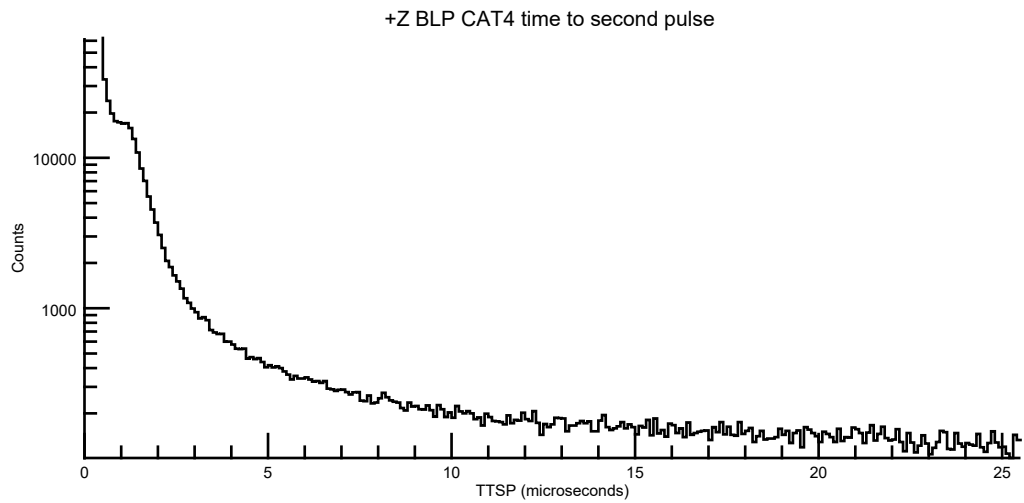
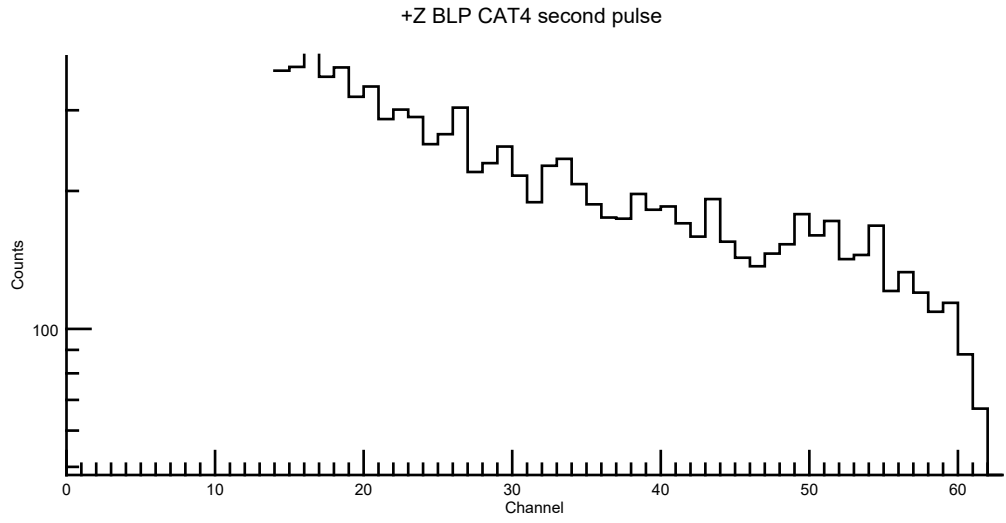
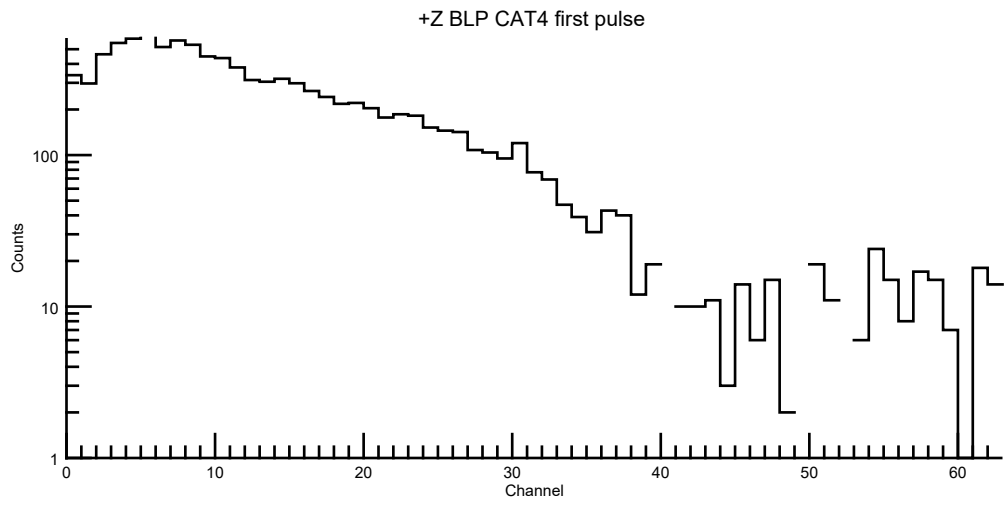
CAT10 CZT composite



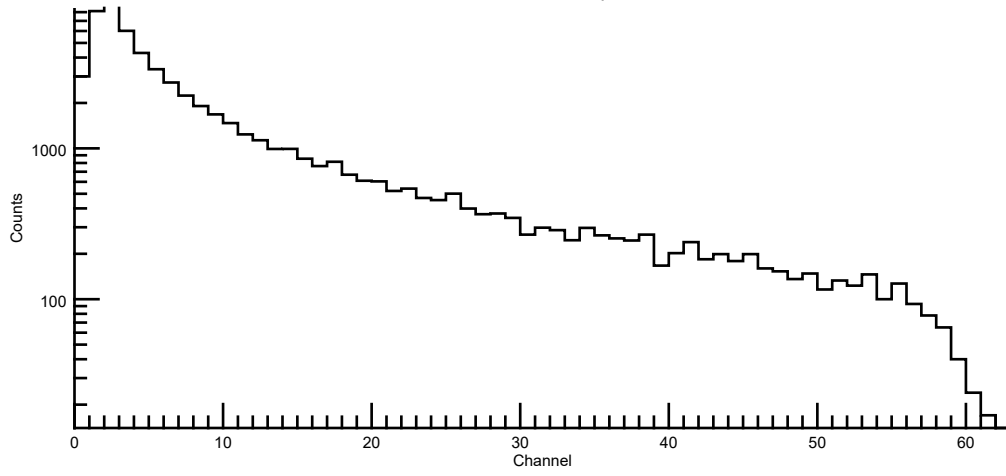
CAT1 histograms



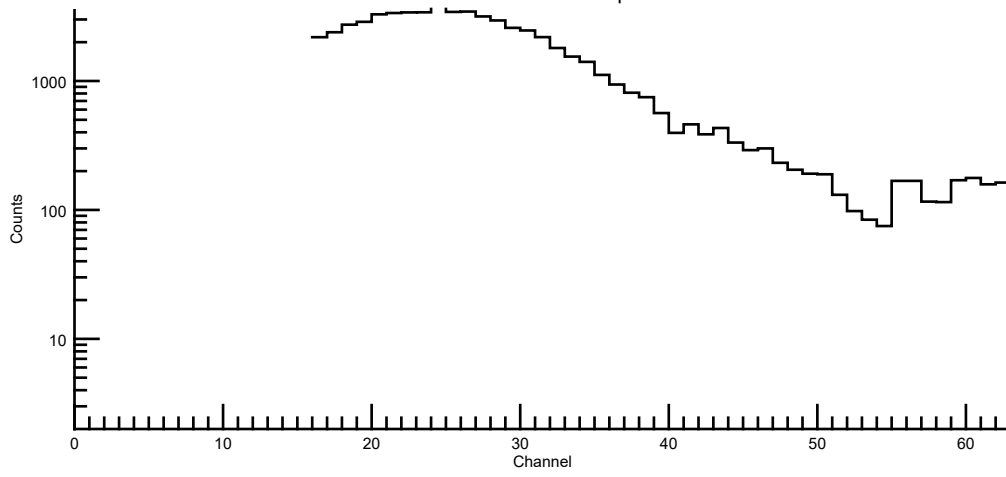




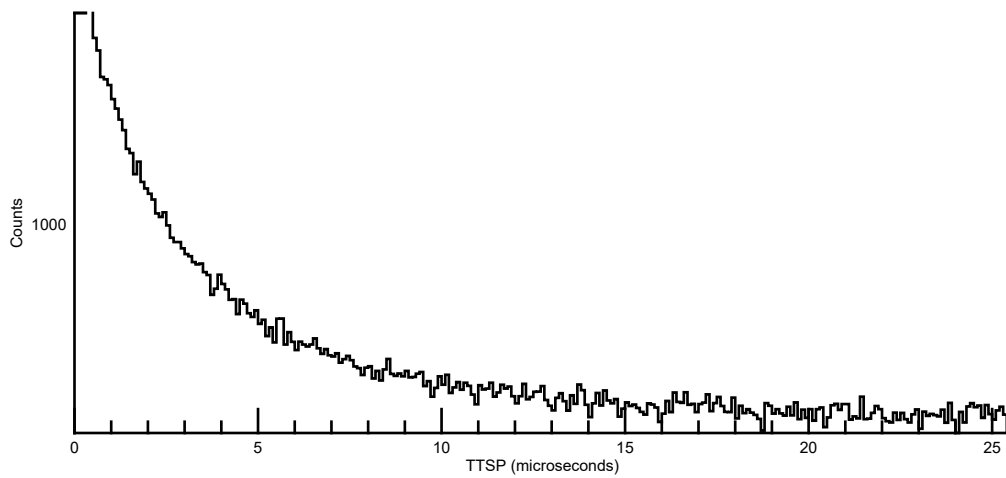
-Y BLP CAT4 first pulse

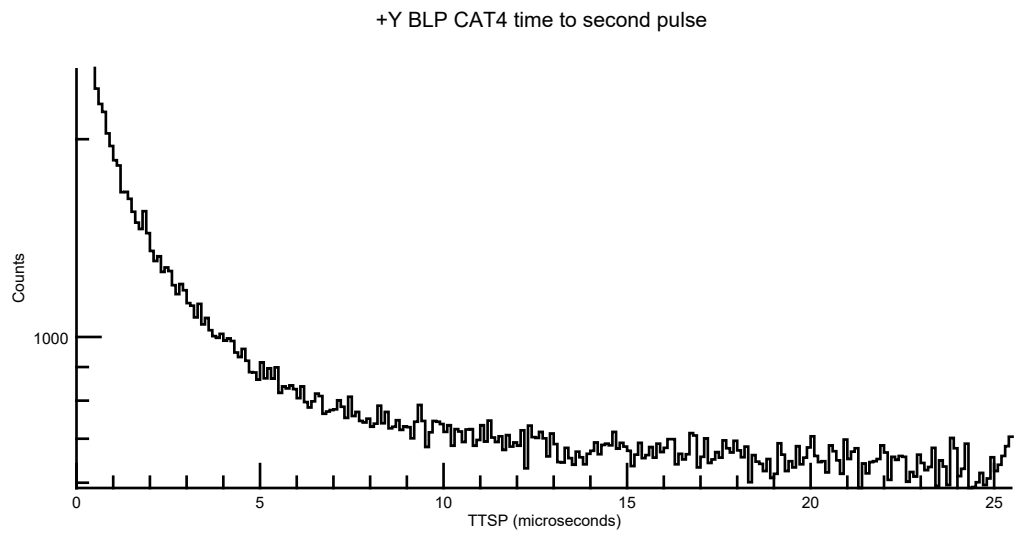
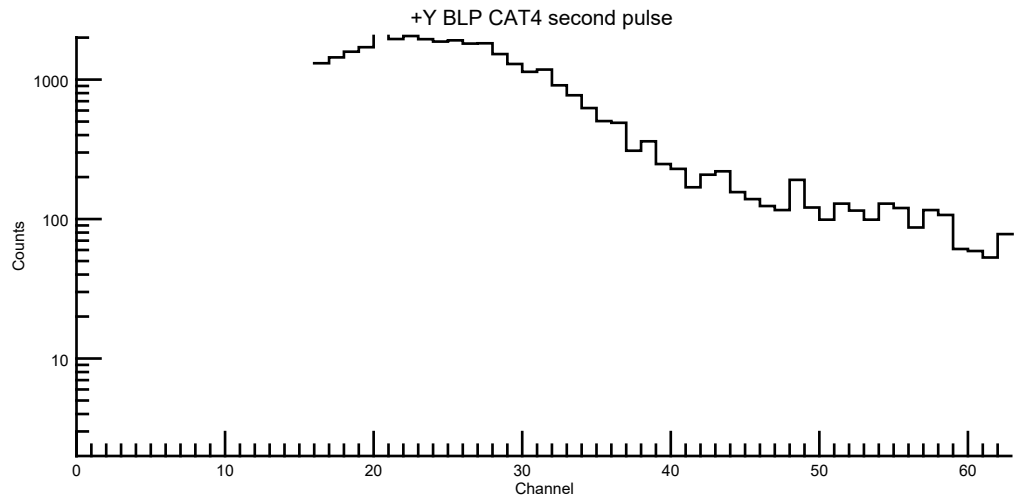
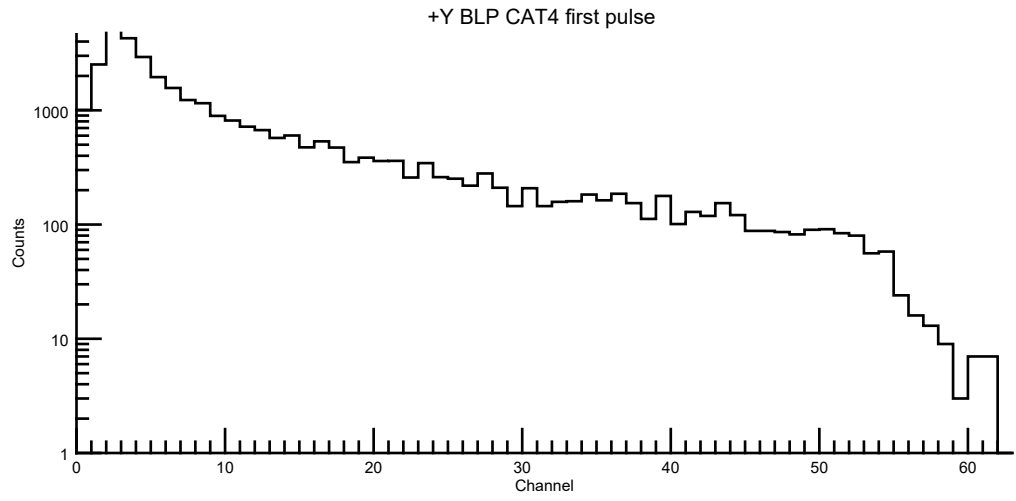


-Y BLP CAT4 second pulse

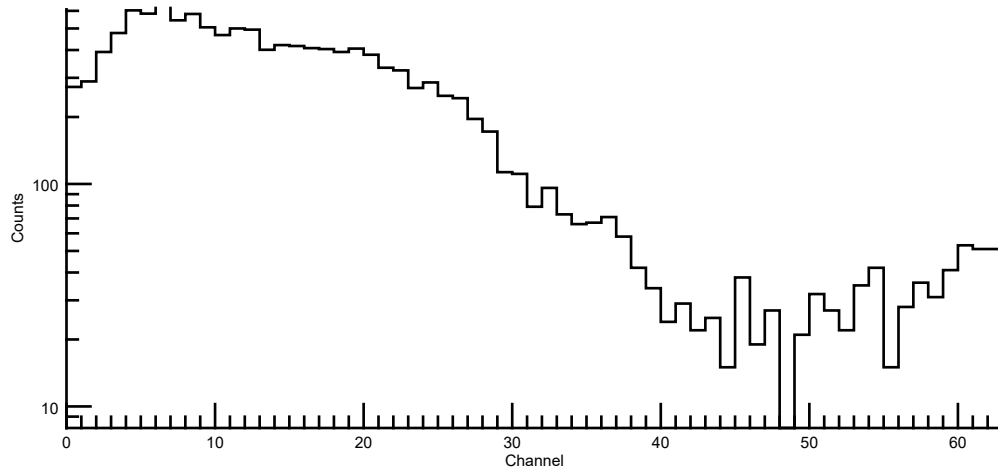


-Y BLP CAT4 time to second pulse

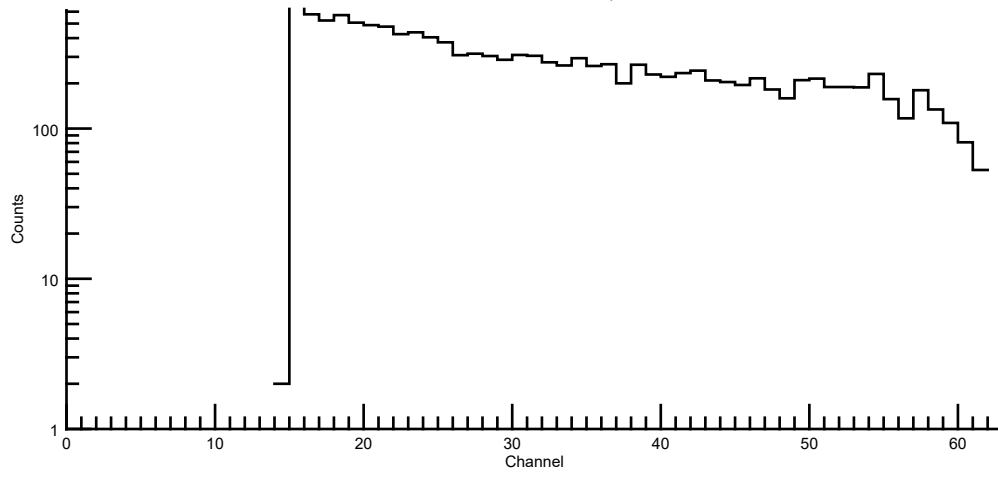




-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

