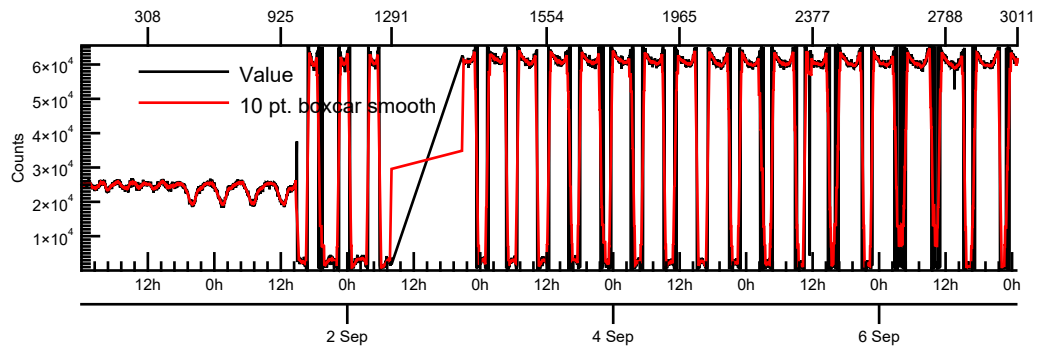


NASA Dawn Mission
 GRaND@Vesta Browse Charts
 Ceres ctj DA921 16244_0

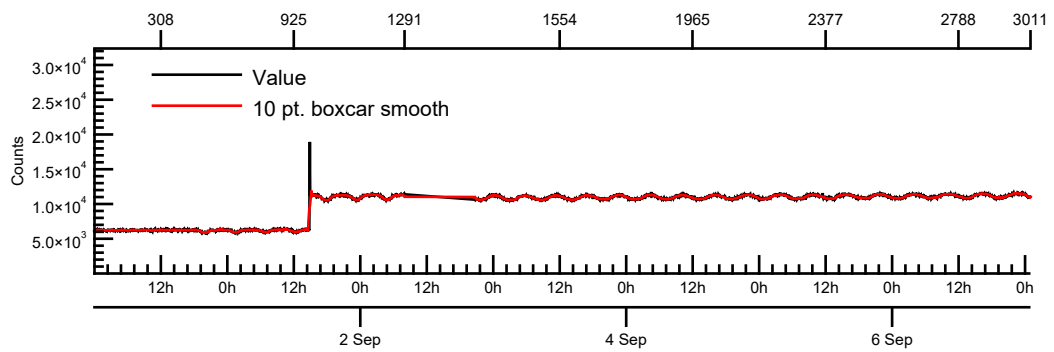
- Number of science records: 3012
 4991 missing science packets with 1 gaps.
 Start/End: 2016-08-31T00:01:54 to 2016-09-07T00:59:26
- Number of SOH records: 16084
 1299 missing SOH packets with 1 gaps.
 Start/End: 2016-08-31T00:00:33 to 2016-09-07T00:59:34
- Comments: Browse charts.
 - Provides an overview 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 = 4
- Instrument settings for first state (STATE_INDEX 3995):

| | | | |
|------------|-----|---------------|------|
| TELREADOUT | 140 | 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 | 123 | 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 |

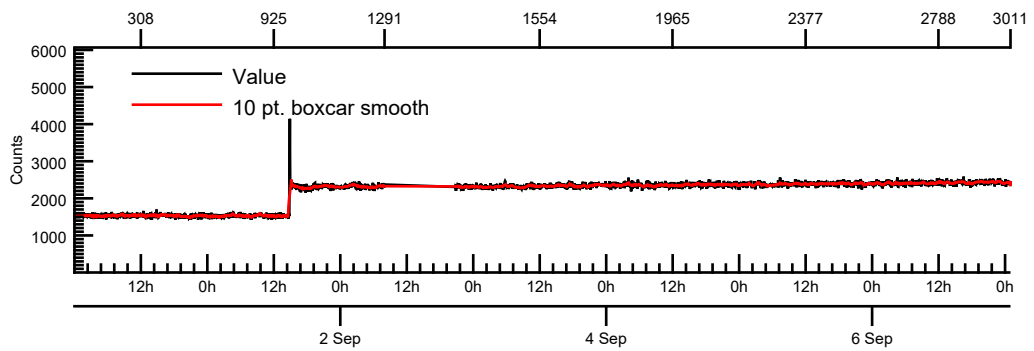
Dead time counts



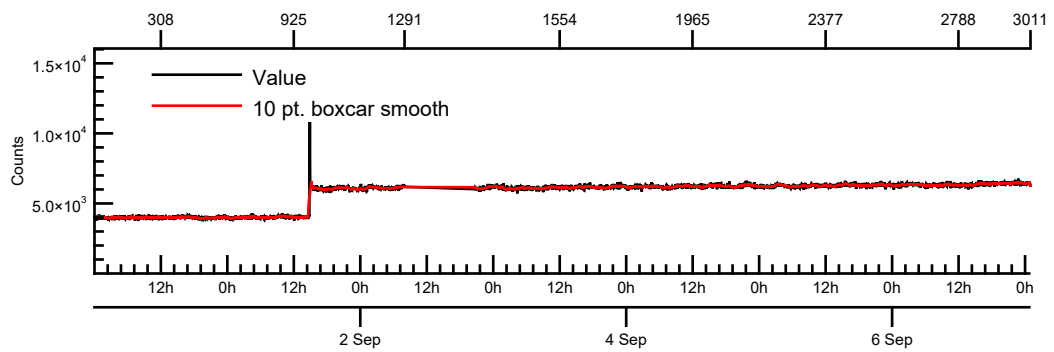
BGO overload events

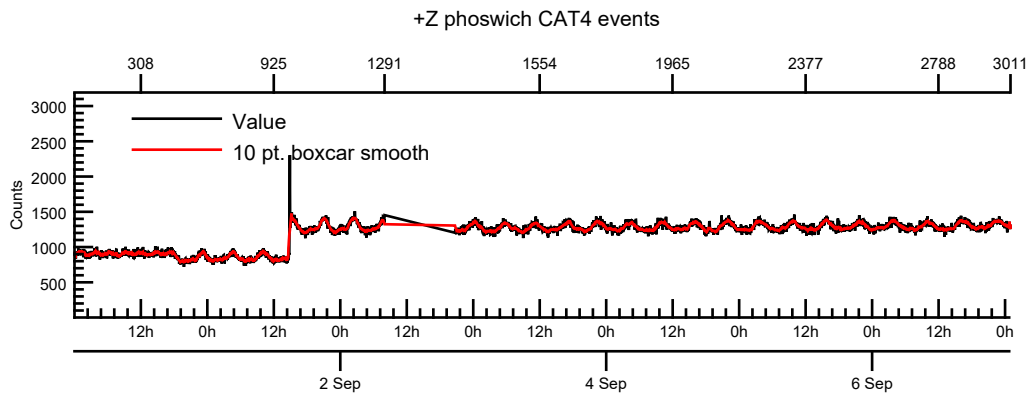
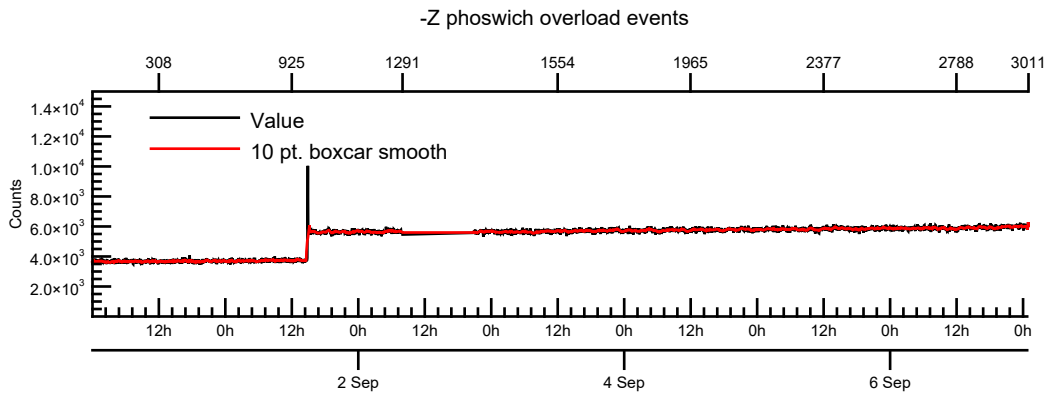
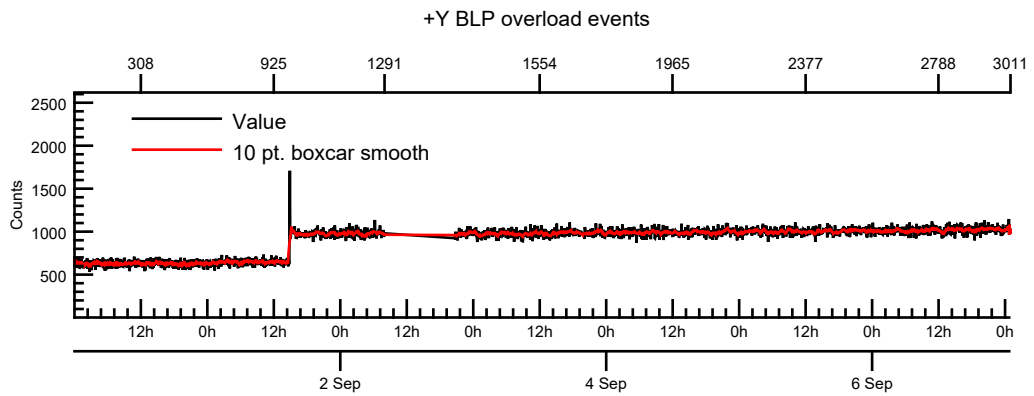
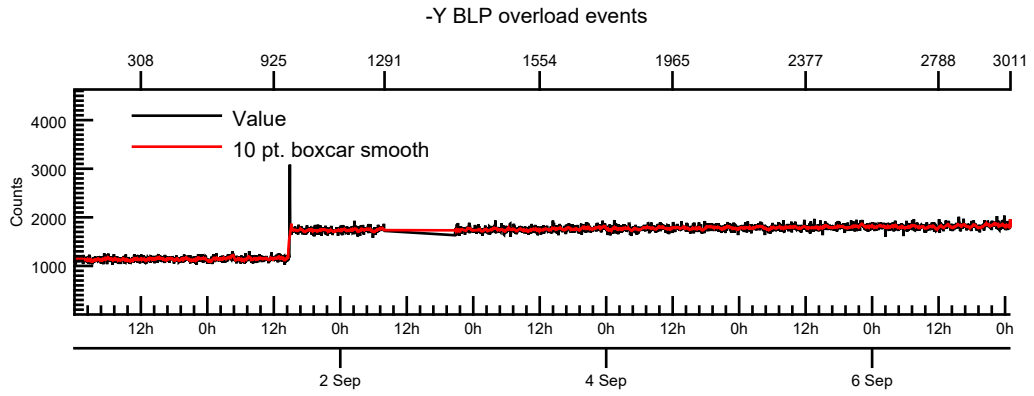


CZT overload events

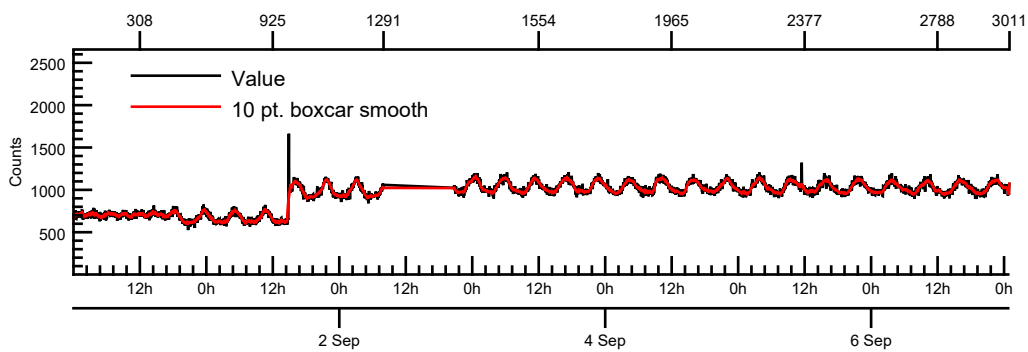


+Z phoswich overload events

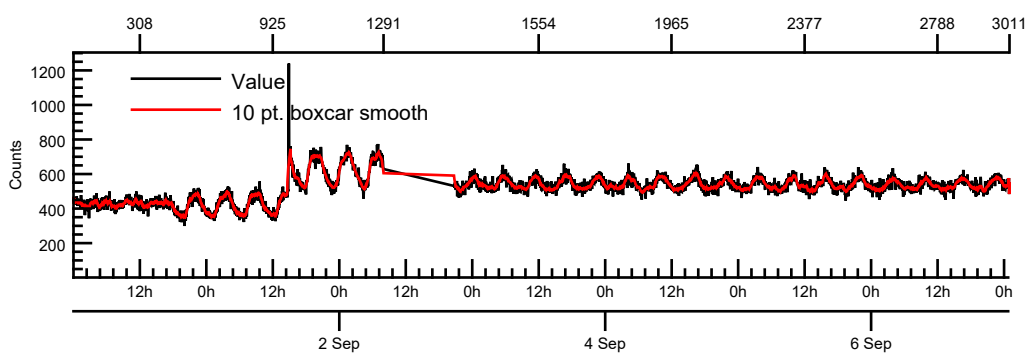




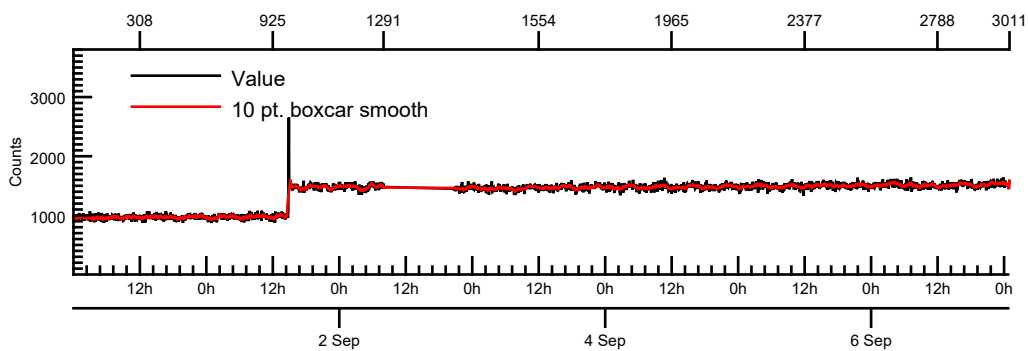
-Y BLP CAT4 events



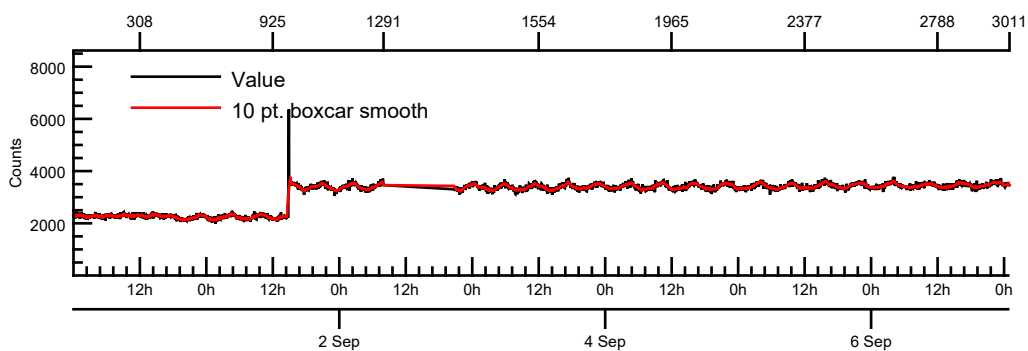
+Y BLP CAT4 events



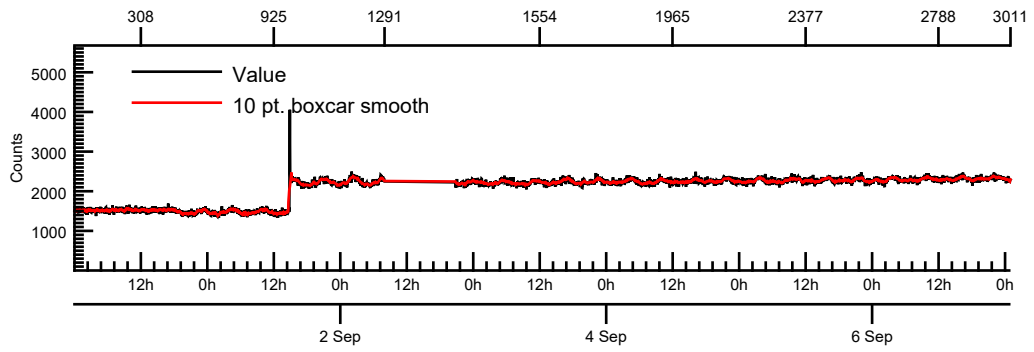
-Z phoswich CAT4 events



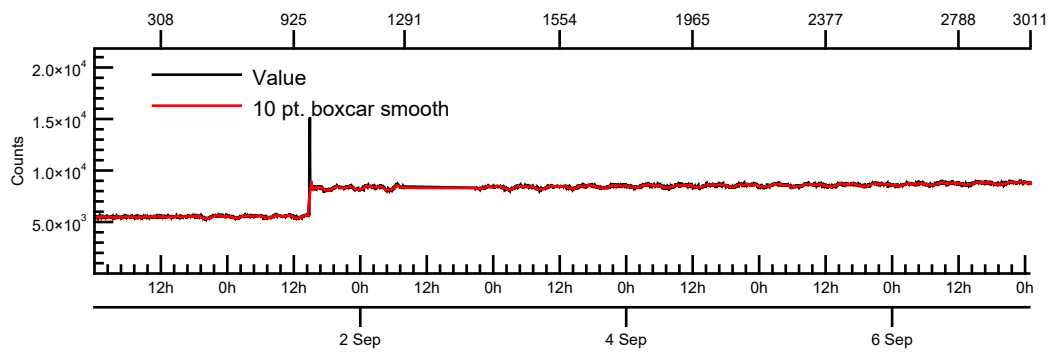
Early second interaction events



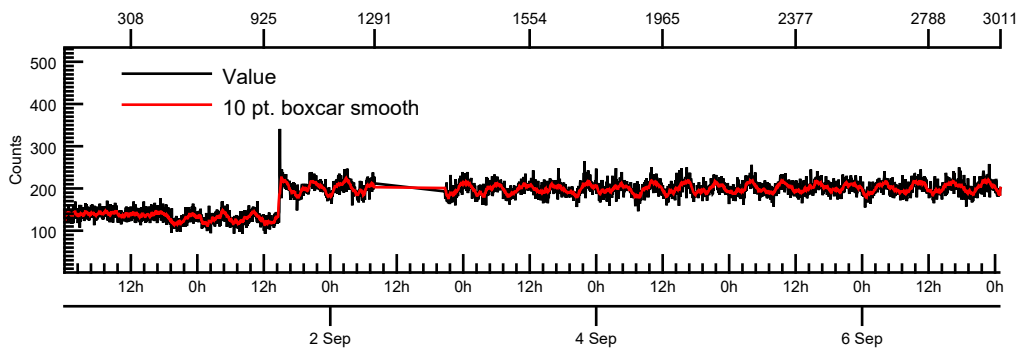
Multiple-crystal CZT events



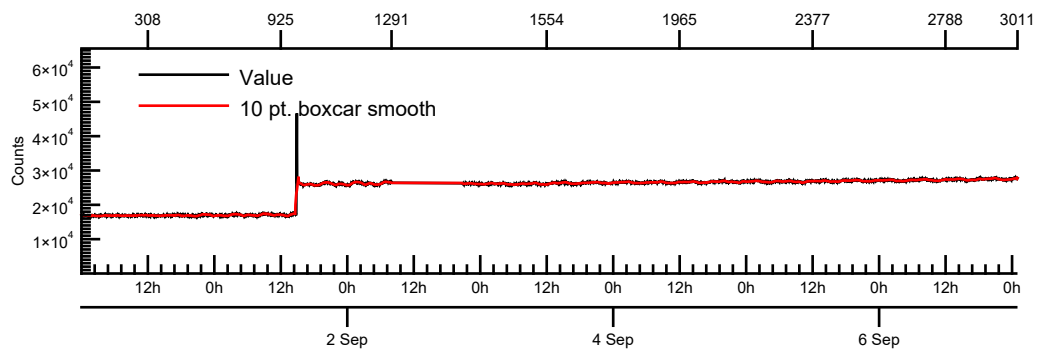
Valid CZT events (CAT10)

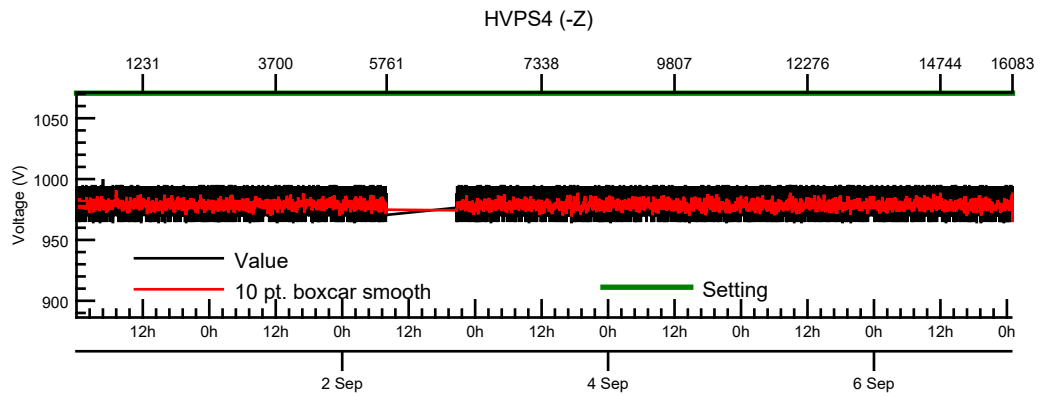
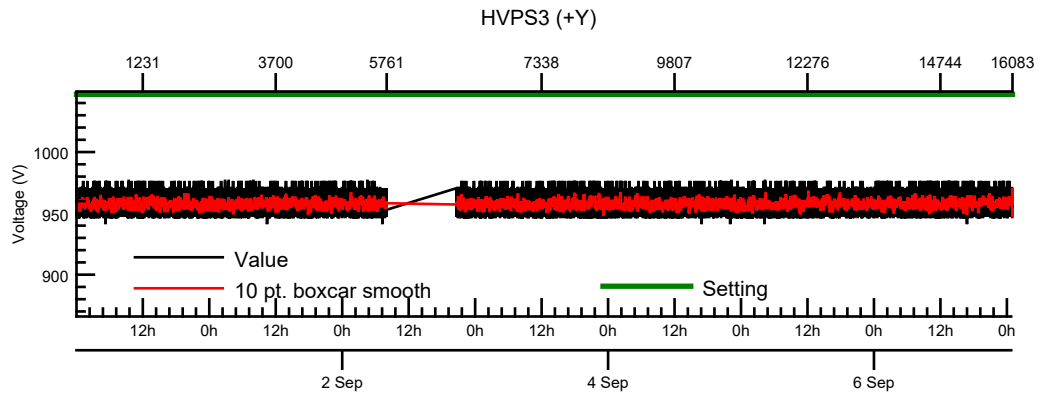
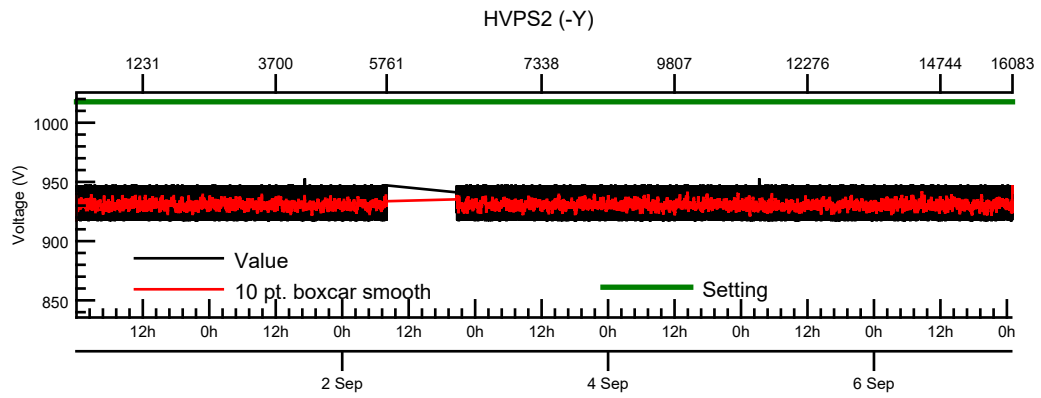
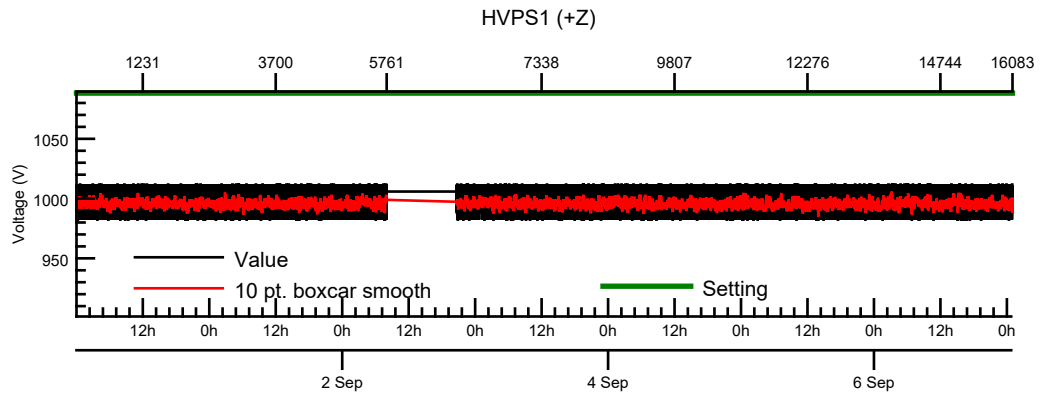


Coincidence BGO and CZT events (CAT7)

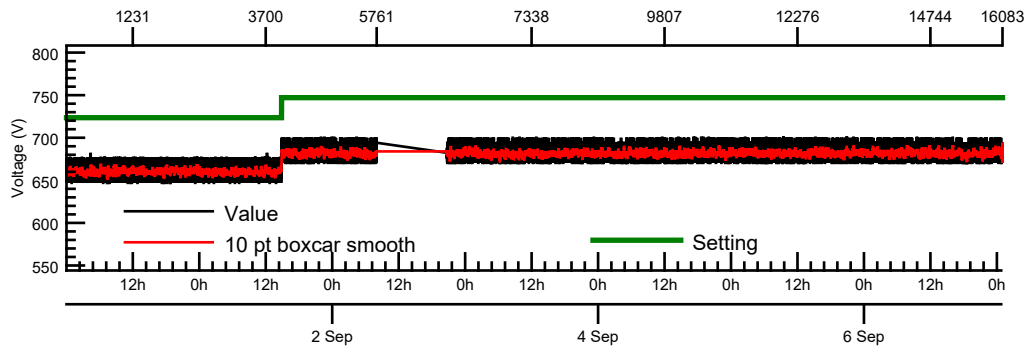


Coincidence of three or more sensor elements

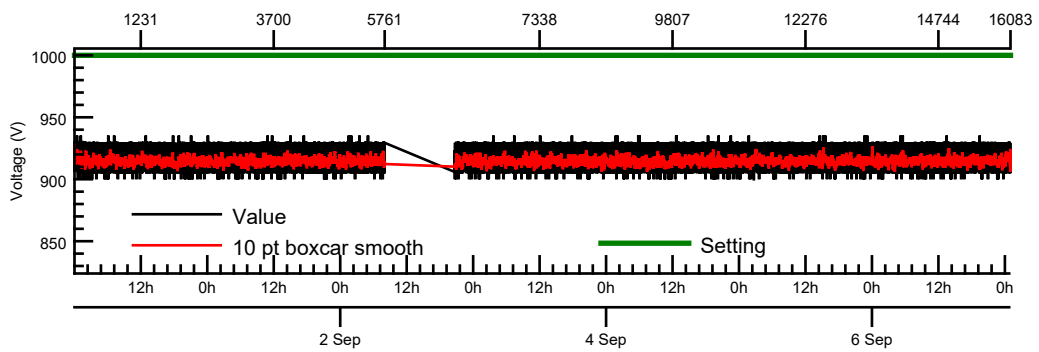




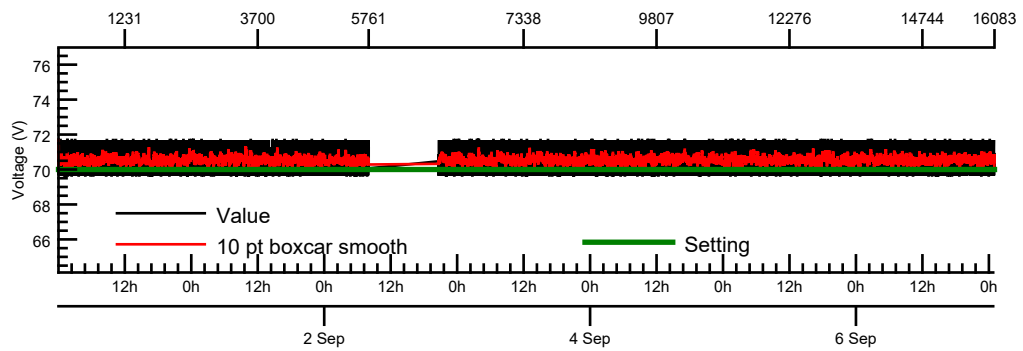
HVPS5 (BGO)



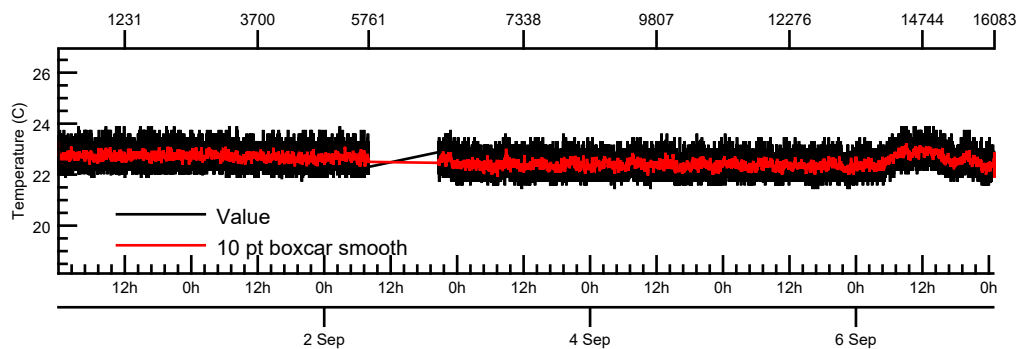
HVPS6 (CZT)

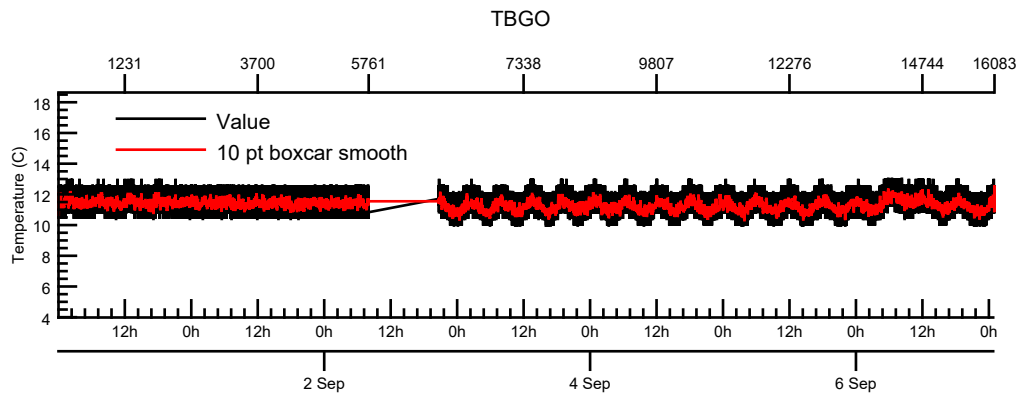
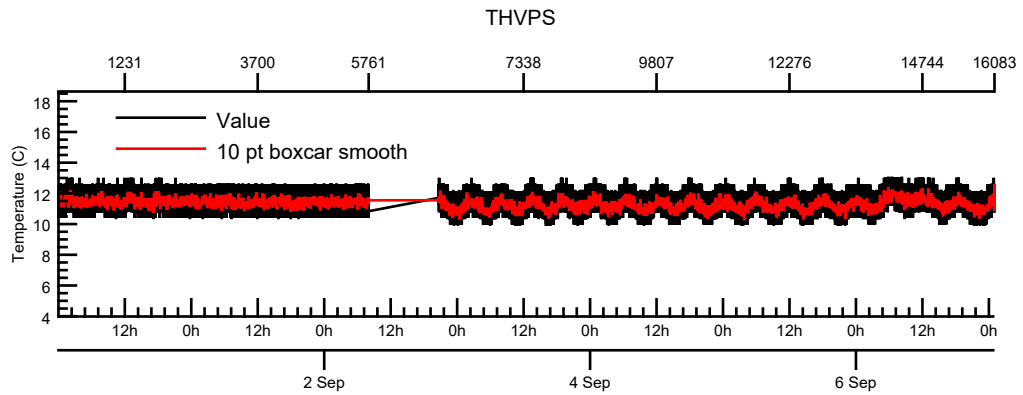
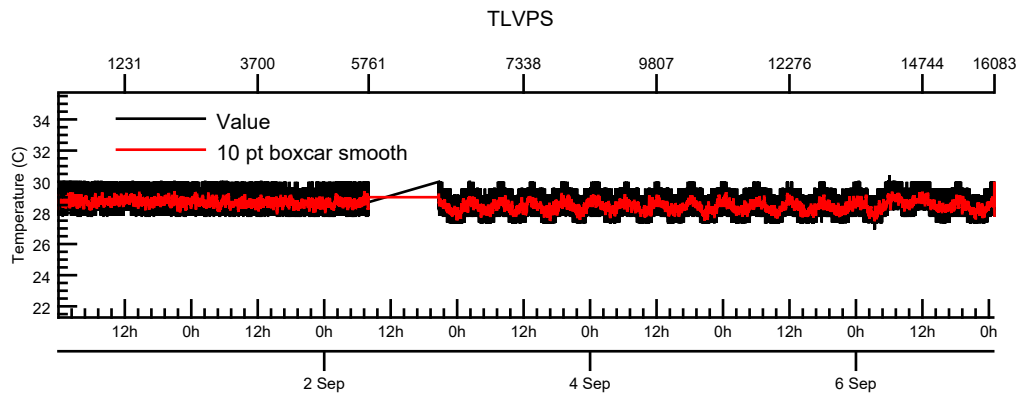
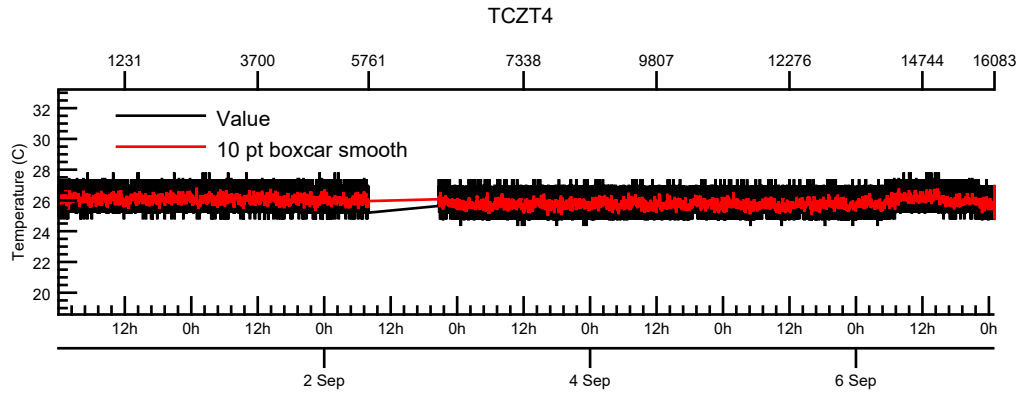


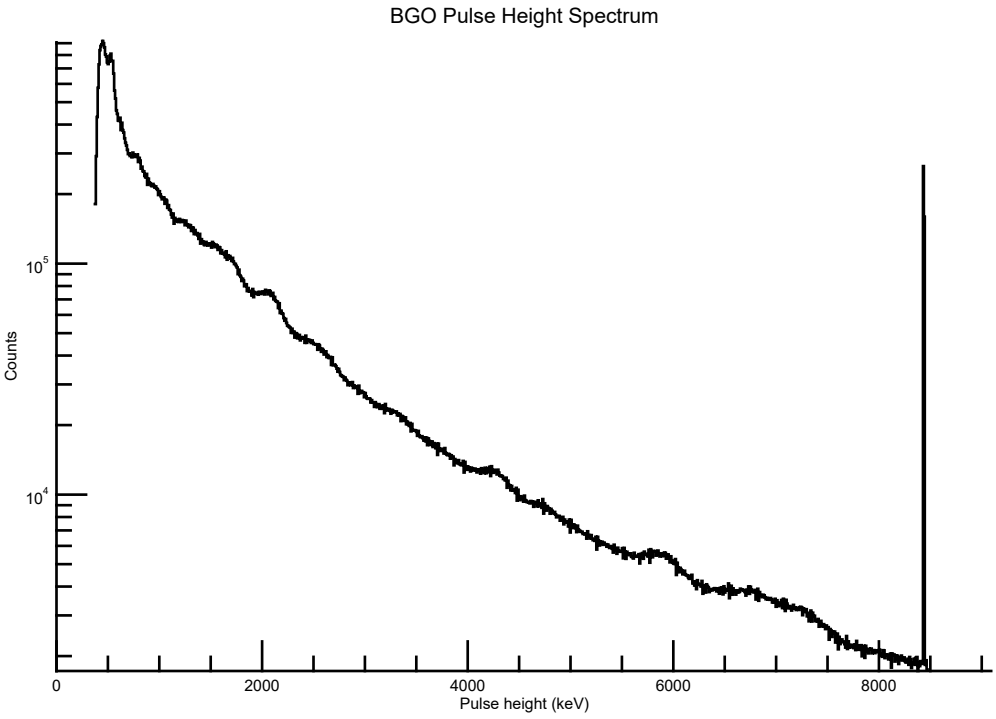
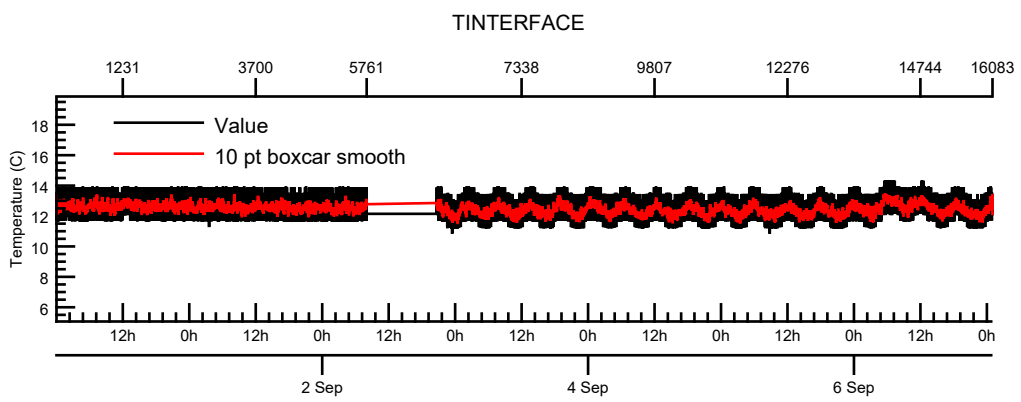
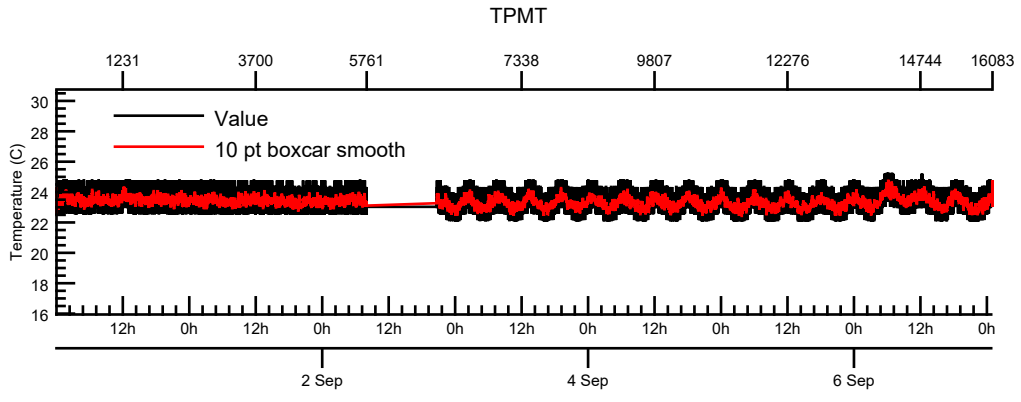
HVPS70 (CZT grid bias)



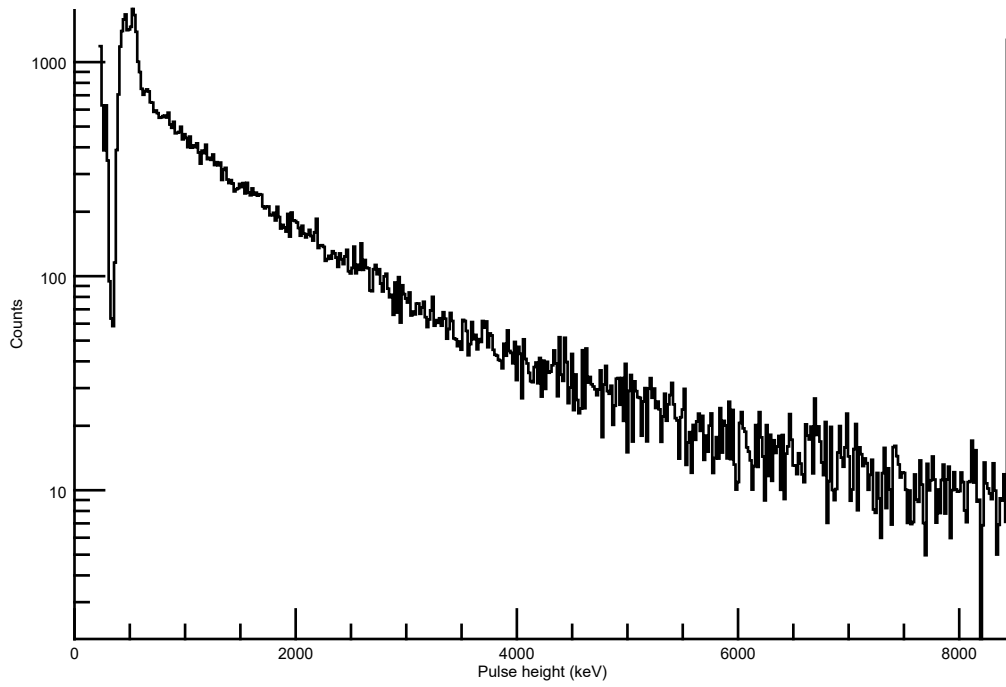
TCZT<1,2,3>



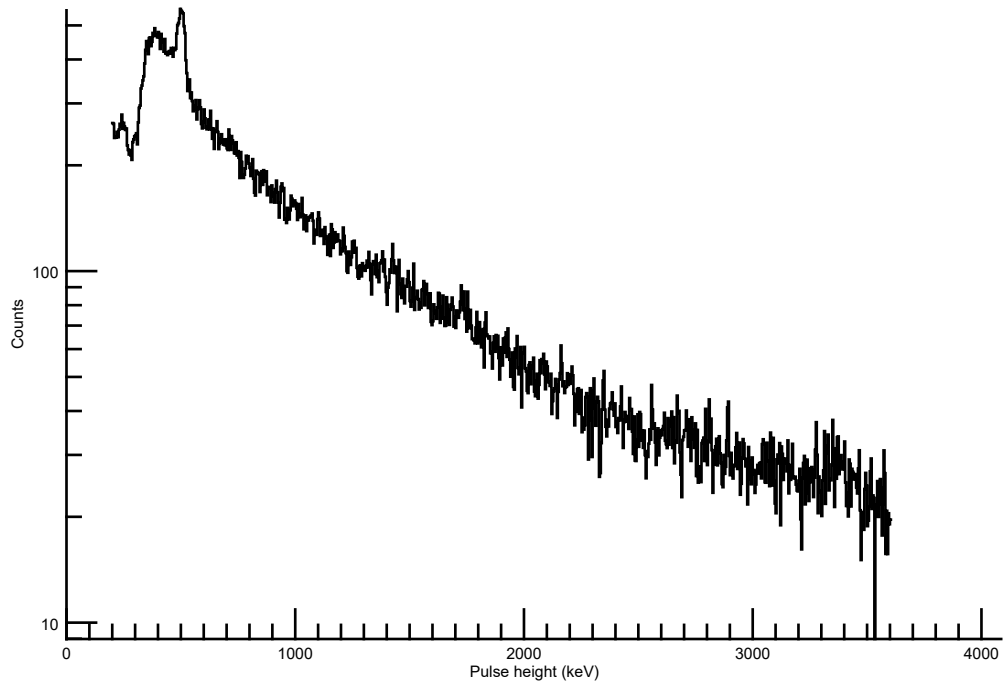




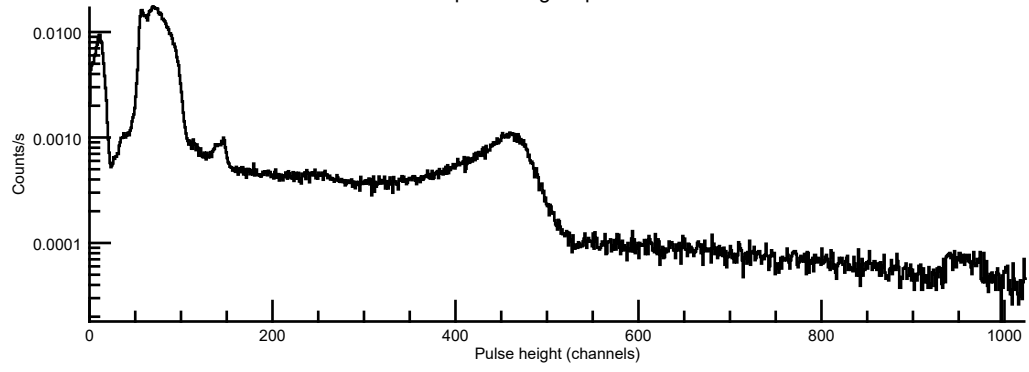
BGO-CZT pair spectrum: BGO



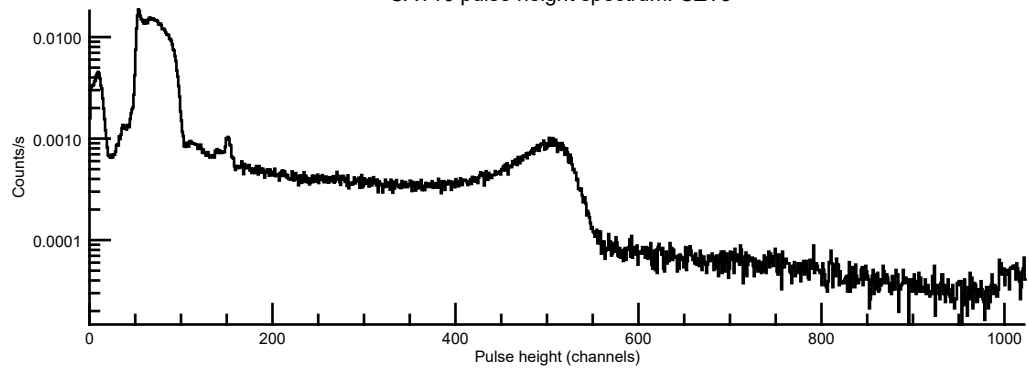
BGO-CZT pair spectrum: CZT



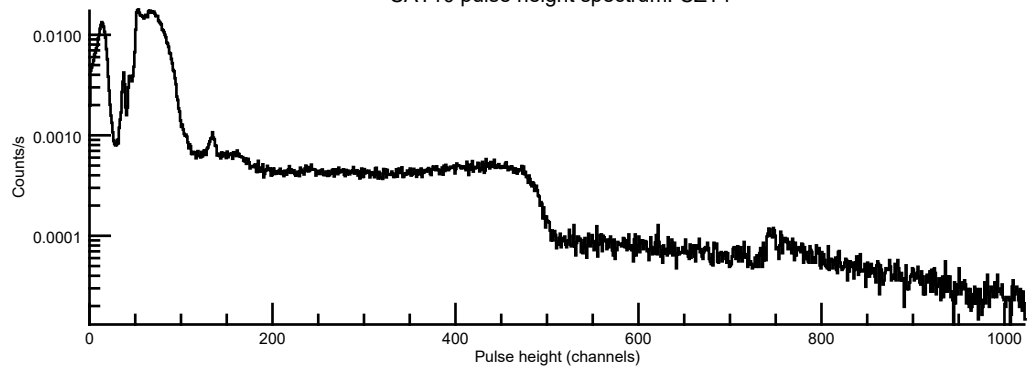
CAT10 pulse height spectrum: CZT11



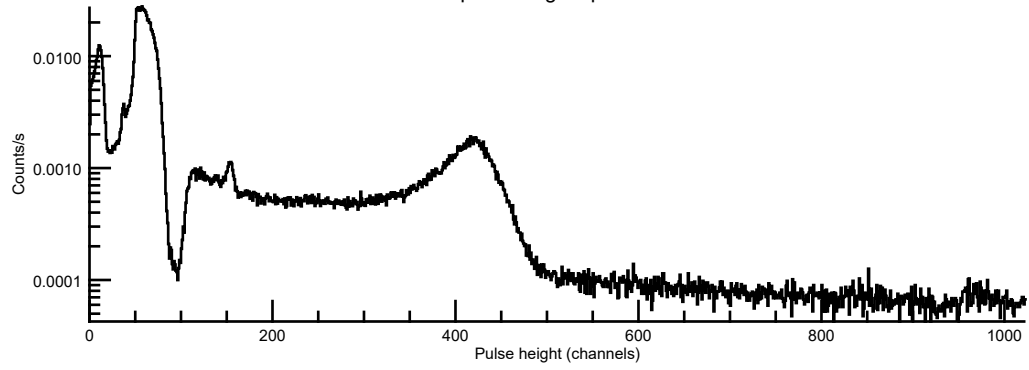
CAT10 pulse height spectrum: CZT3



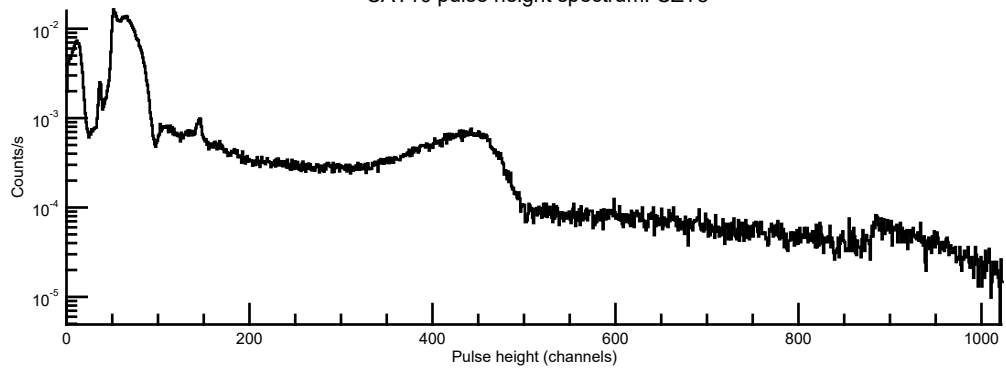
CAT10 pulse height spectrum: CZT1



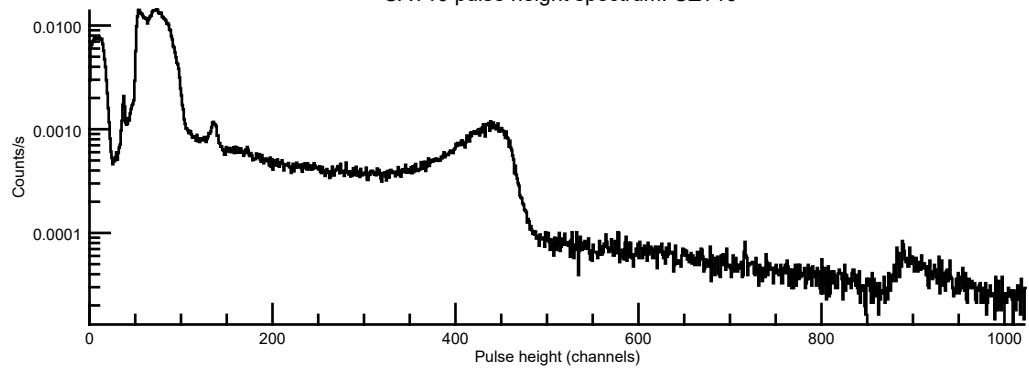
CAT10 pulse height spectrum: CZT2



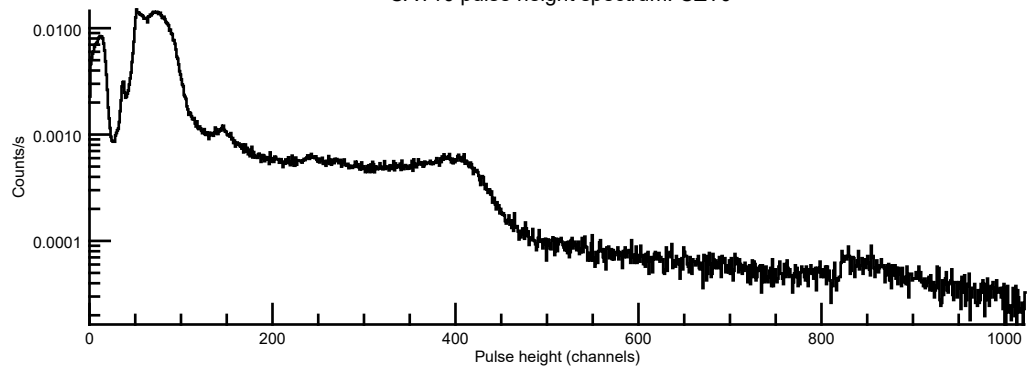
CAT10 pulse height spectrum: CZT8



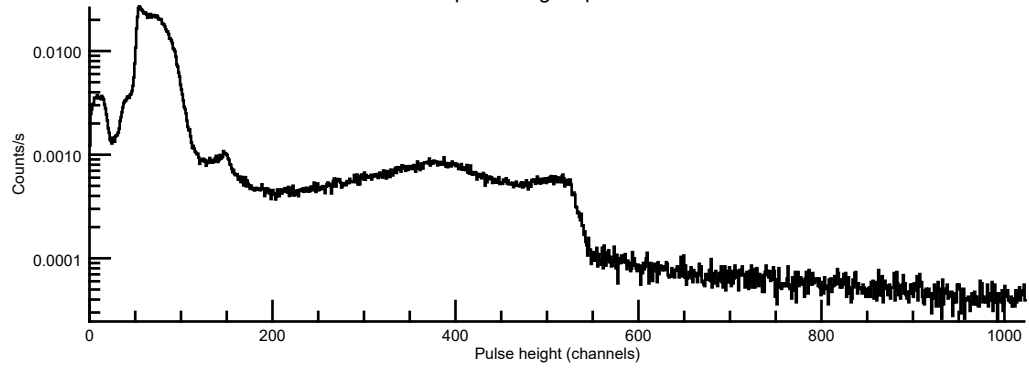
CAT10 pulse height spectrum: CZT10



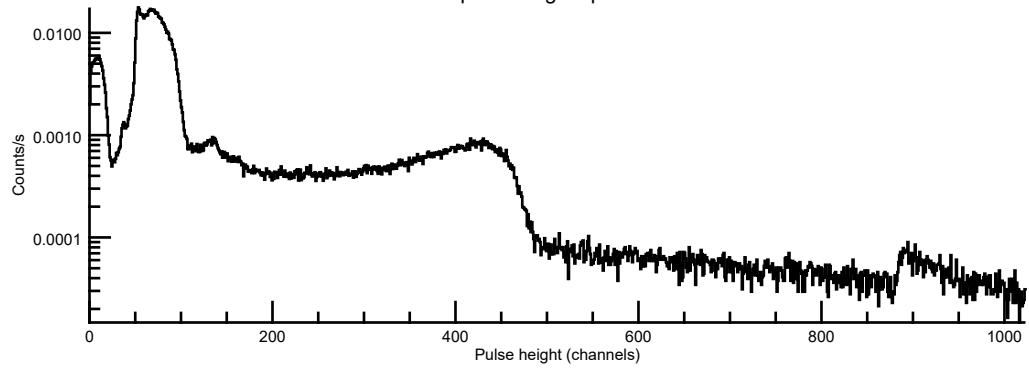
CAT10 pulse height spectrum: CZT0



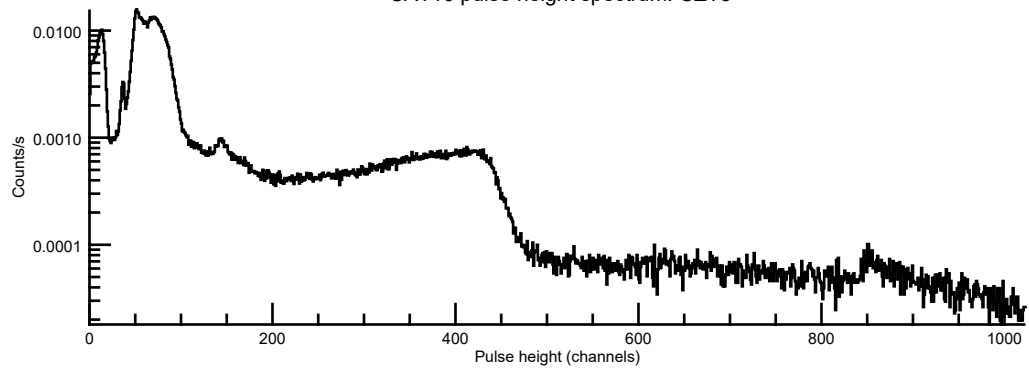
CAT10 pulse height spectrum: CZT15



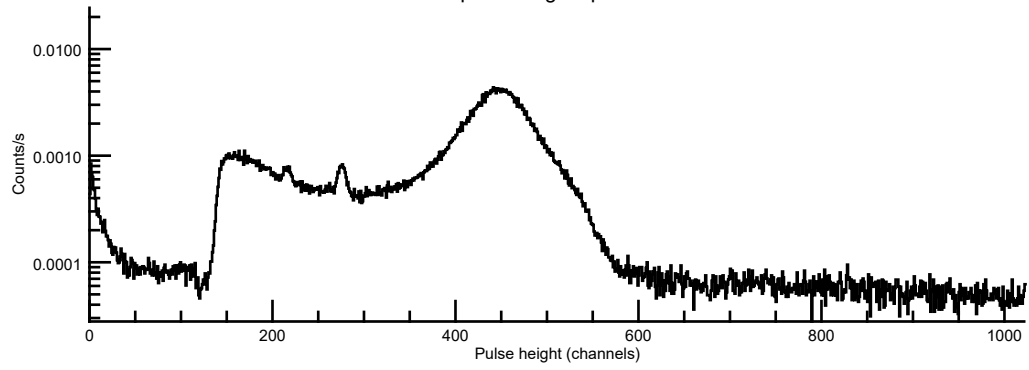
CAT10 pulse height spectrum: CZT7



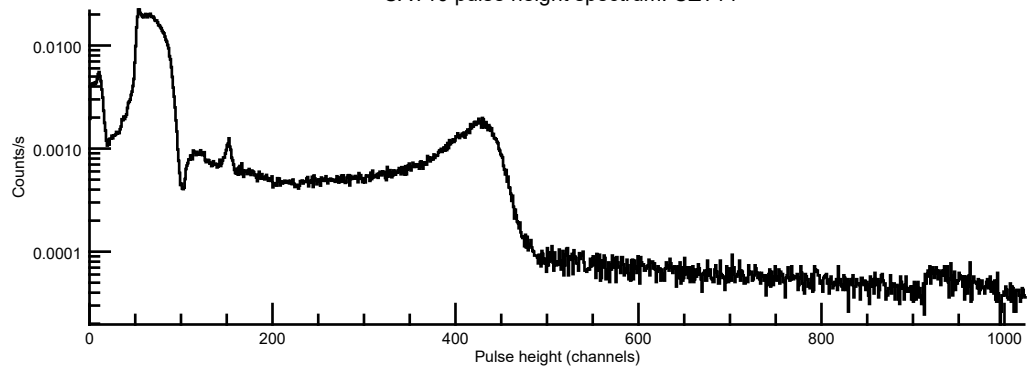
CAT10 pulse height spectrum: CZT5



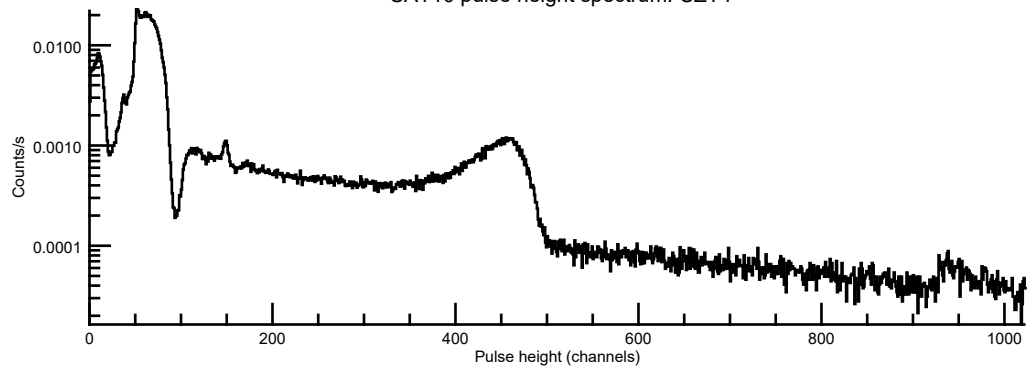
CAT10 pulse height spectrum: CZT6



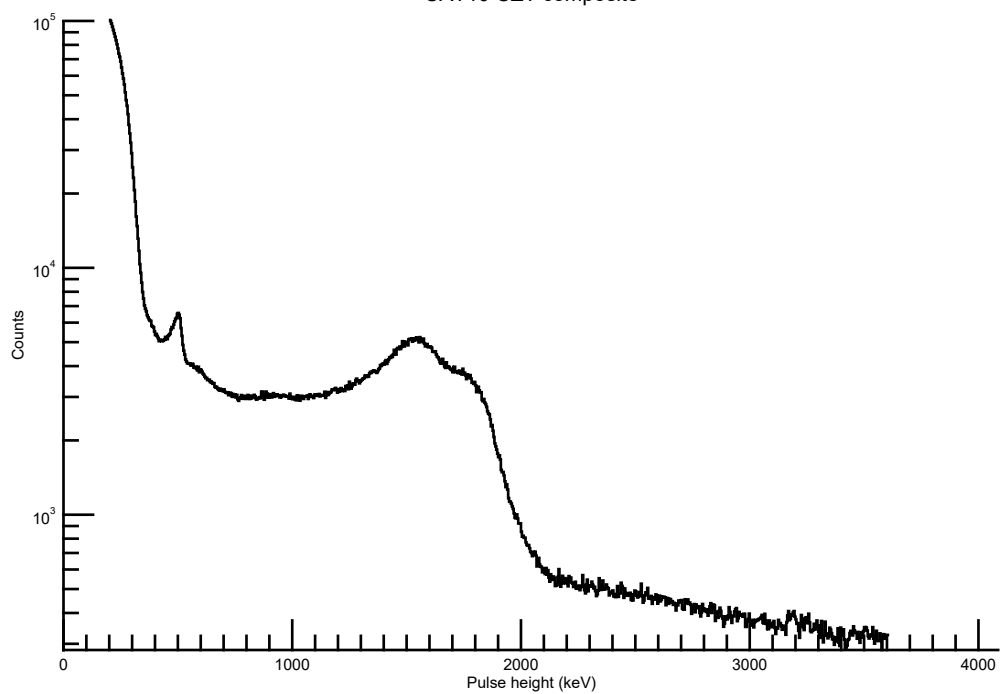
CAT10 pulse height spectrum: CZT14



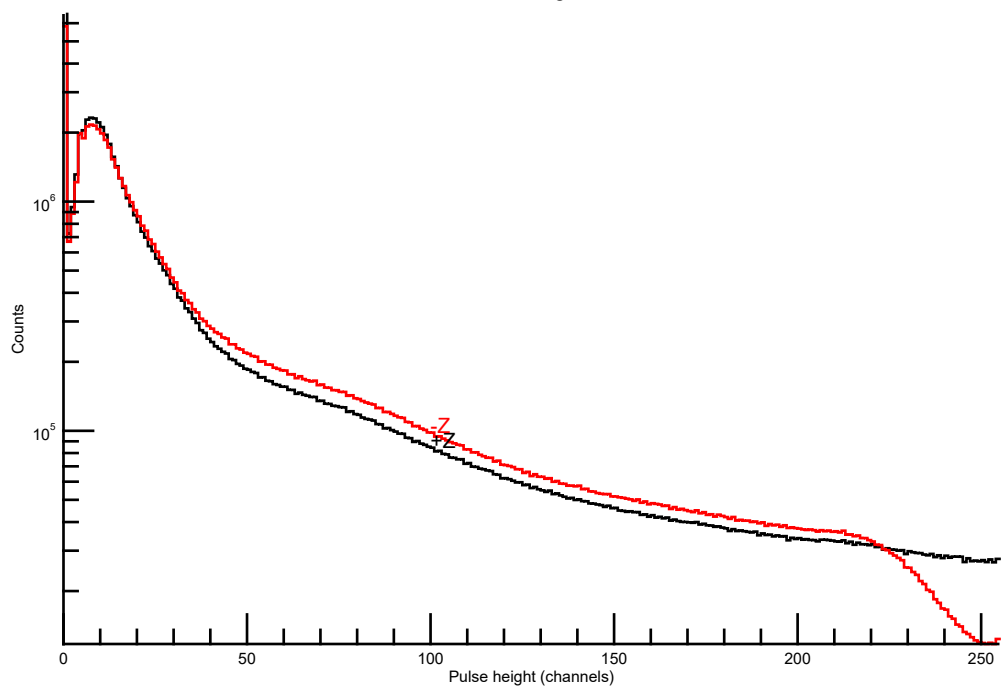
CAT10 pulse height spectrum: CZT4

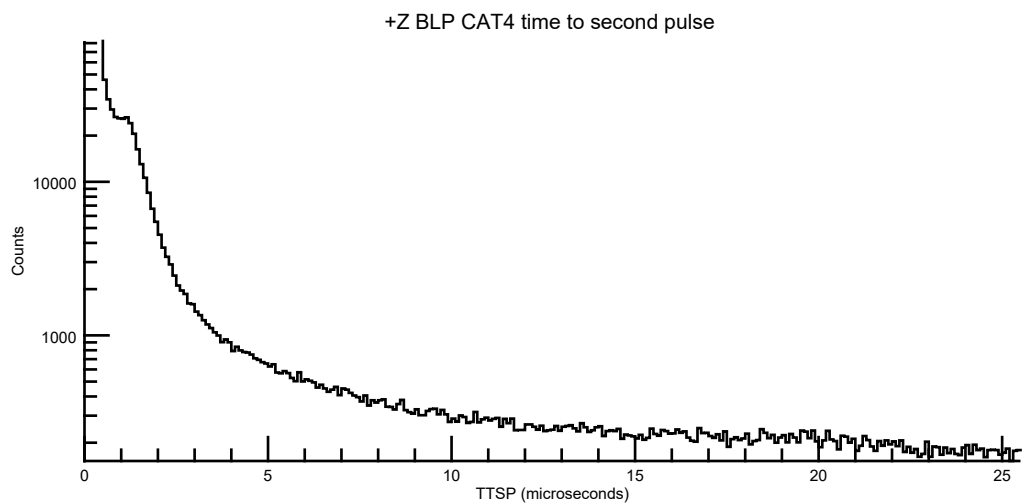
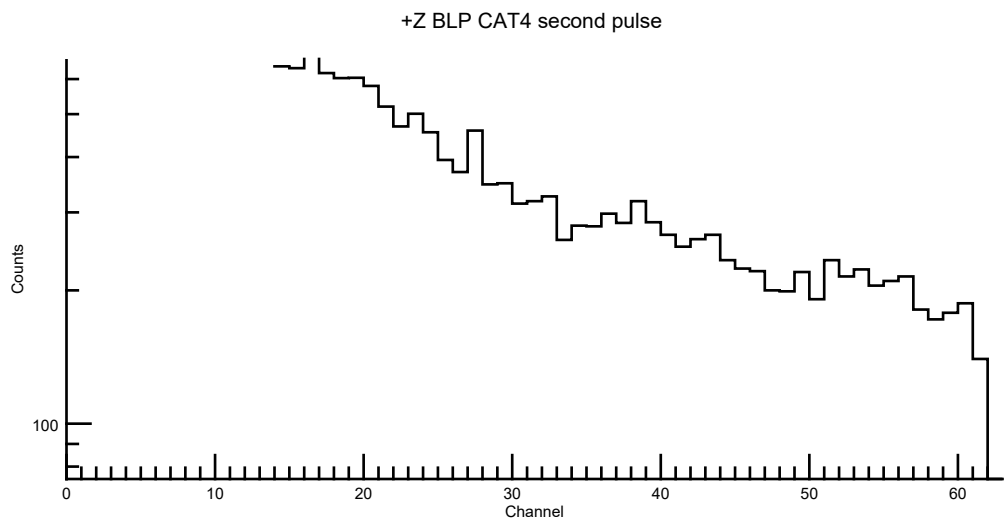
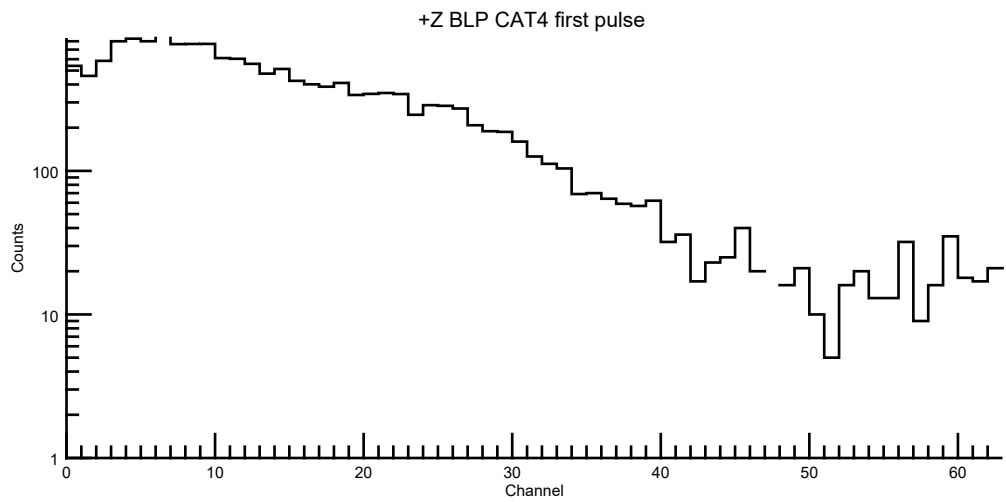


CAT10 CZT composite

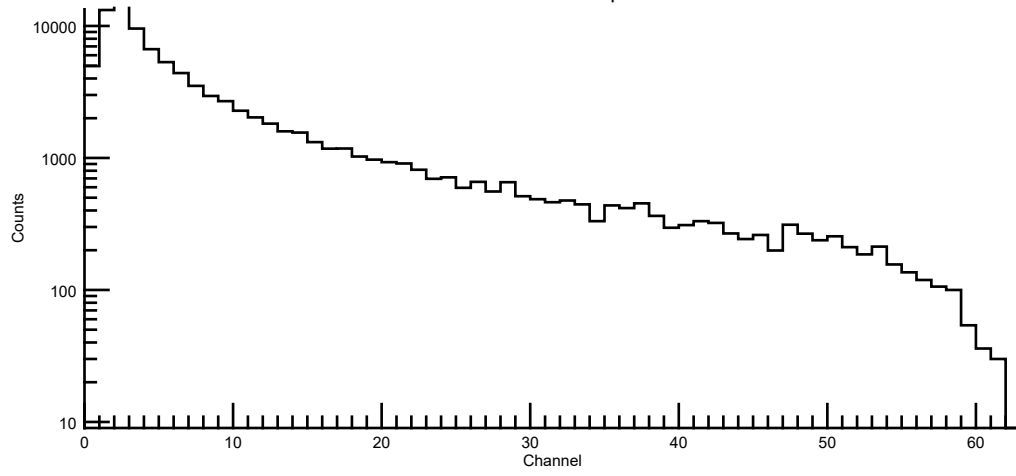


CAT1 histograms

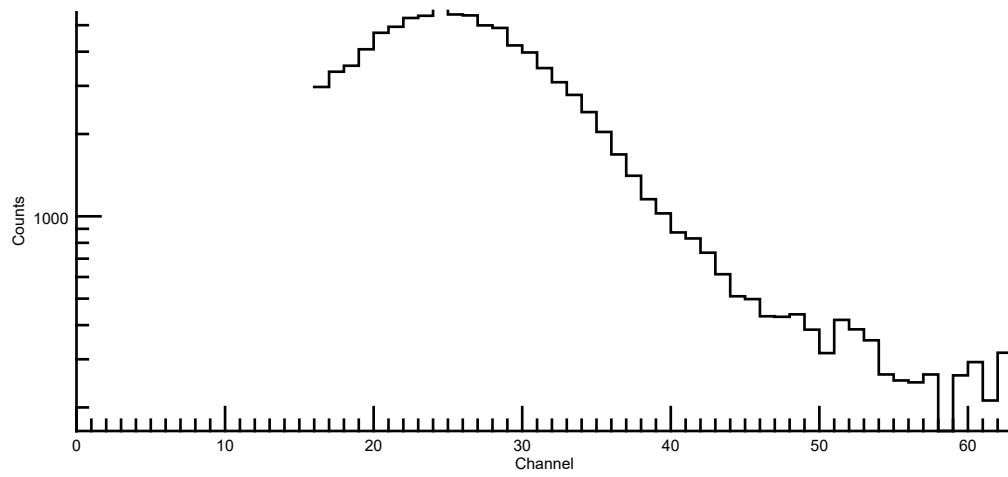




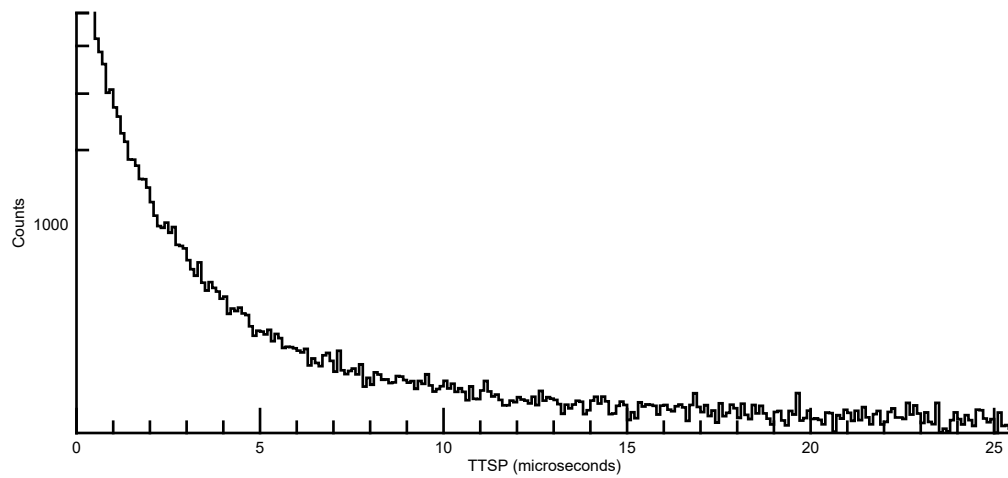
-Y BLP CAT4 first pulse

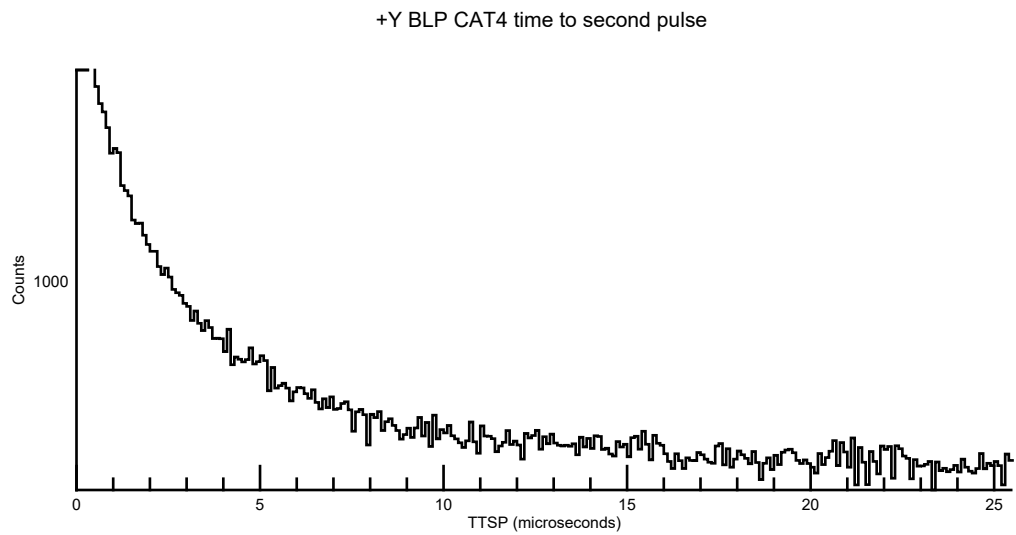
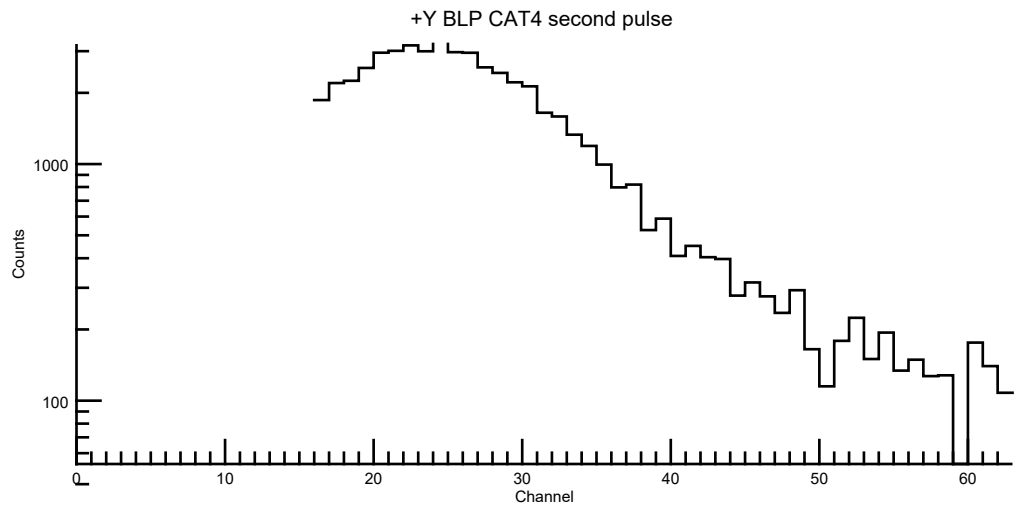
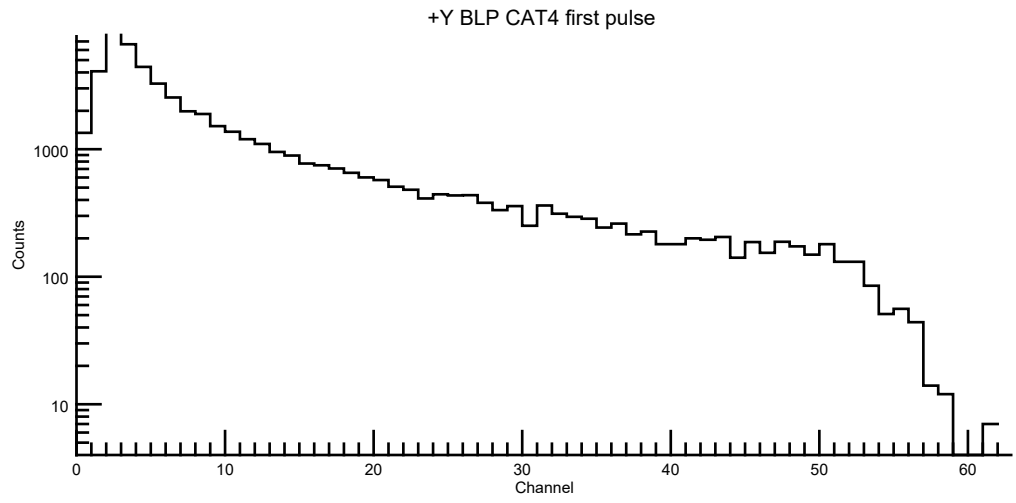


-Y BLP CAT4 second pulse

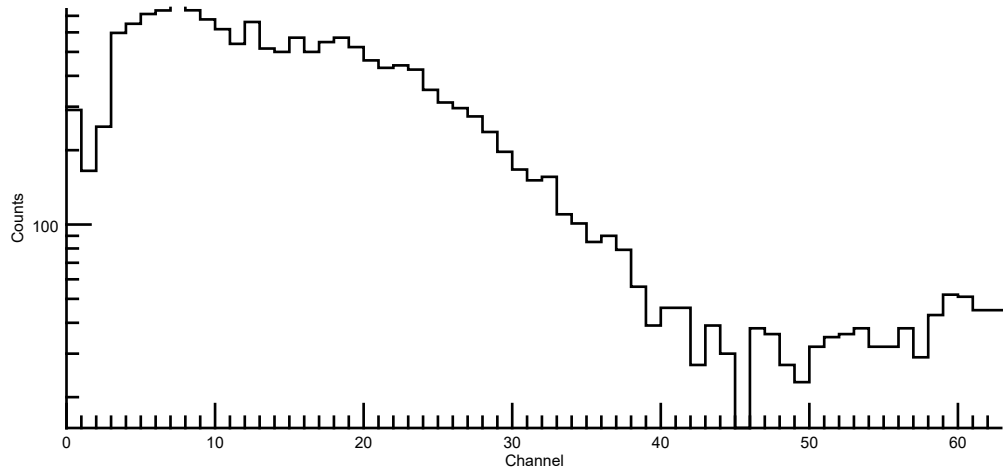


-Y BLP CAT4 time to second pulse

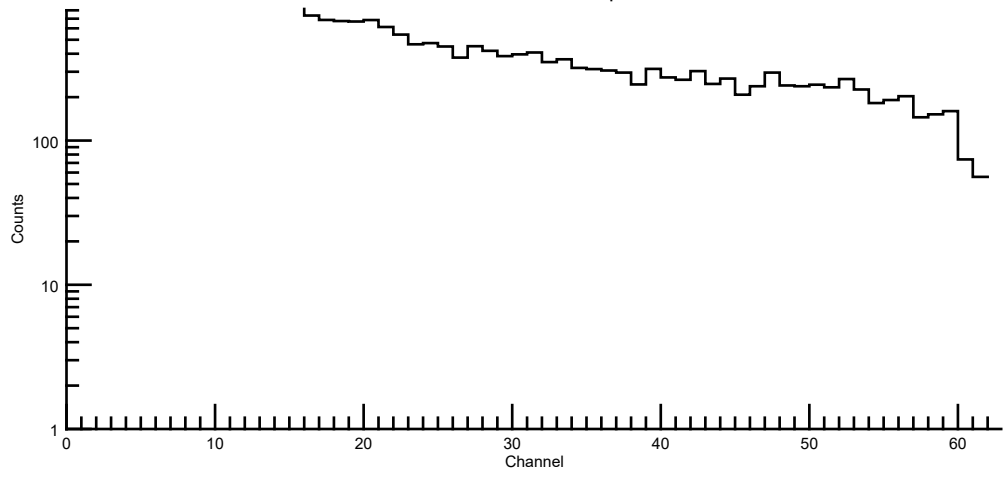




-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

