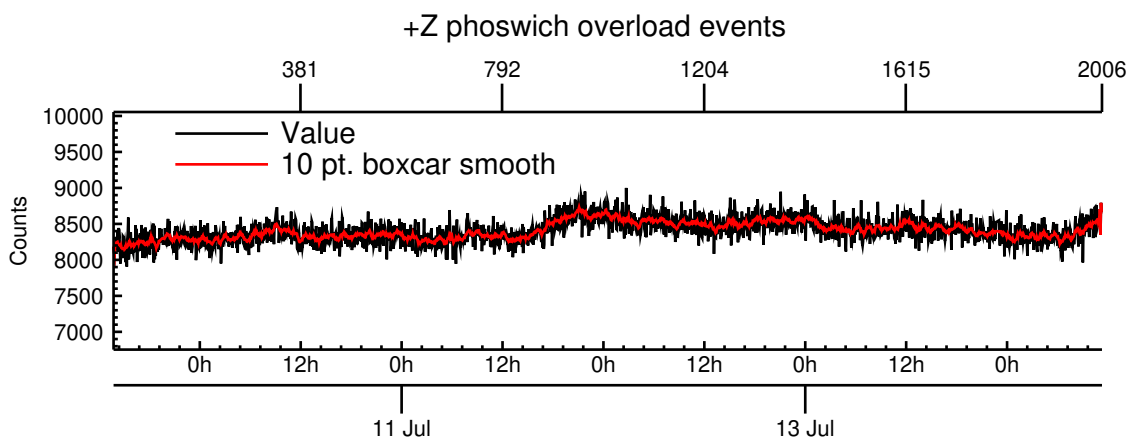
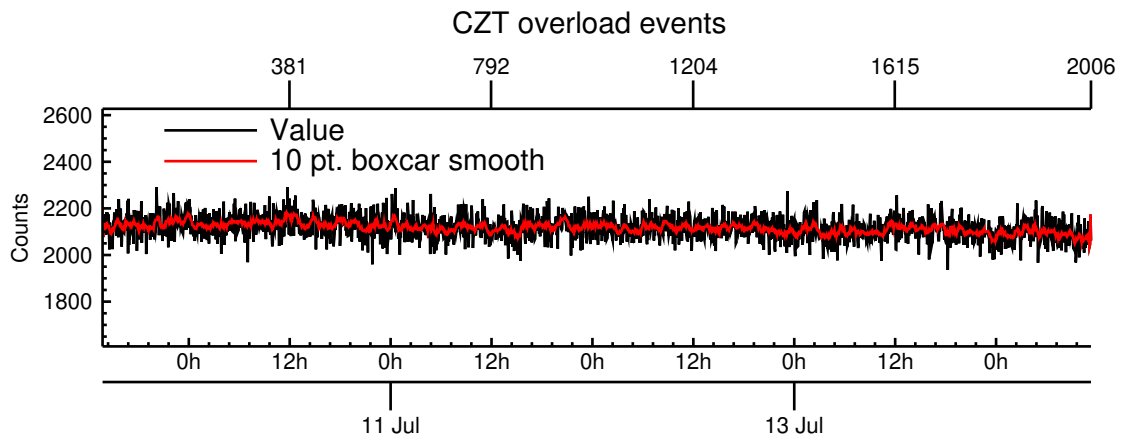
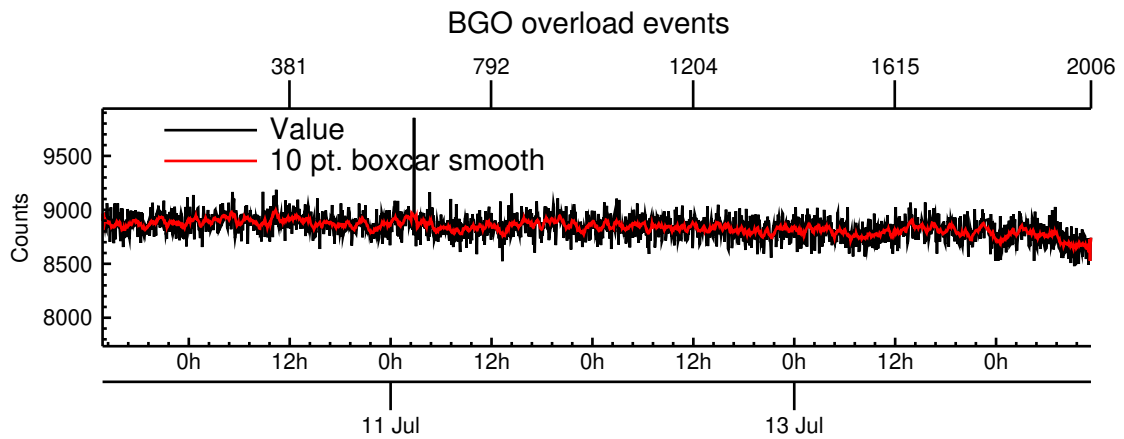
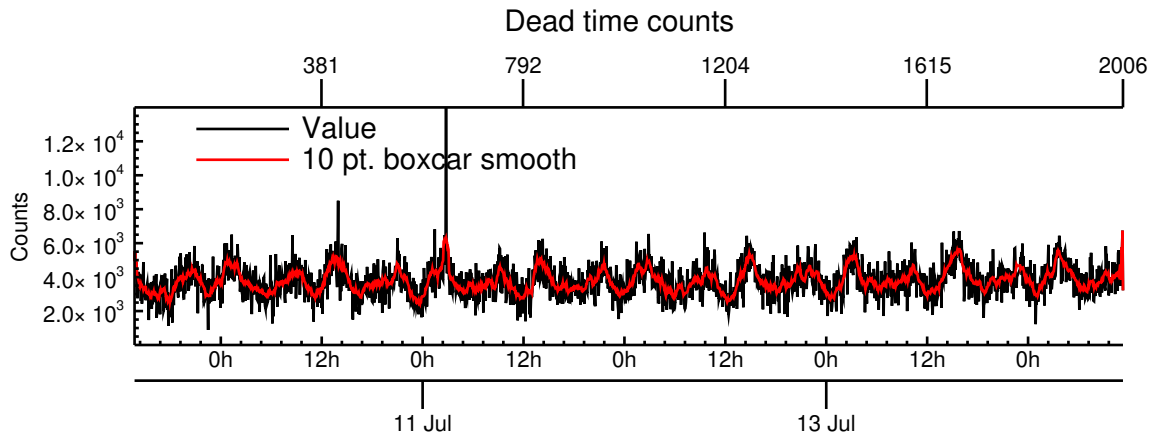


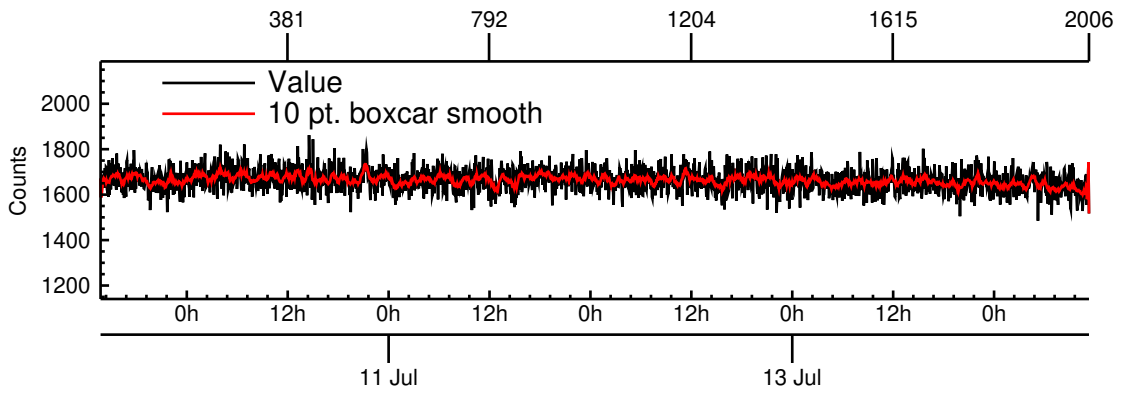
NASA Dawn Mission
 GRaND@Vesta Browse Charts
 GRD-L1A-120709-120714_130628

- Number of science records: 2007
 207 missing science packets with 3 gaps.
 Start/End: 2012-07-09T13:45:19 to 2012-07-14T11:17:49
- Number of SOH records: 12354
 2572023 missing SOH packets with 160 gaps.
 Start/End: 2012-07-09T13:45:12 to 2012-07-14T11:16:12
- 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 = 3
- Instrument settings for first state (STATE_INDEX 0):

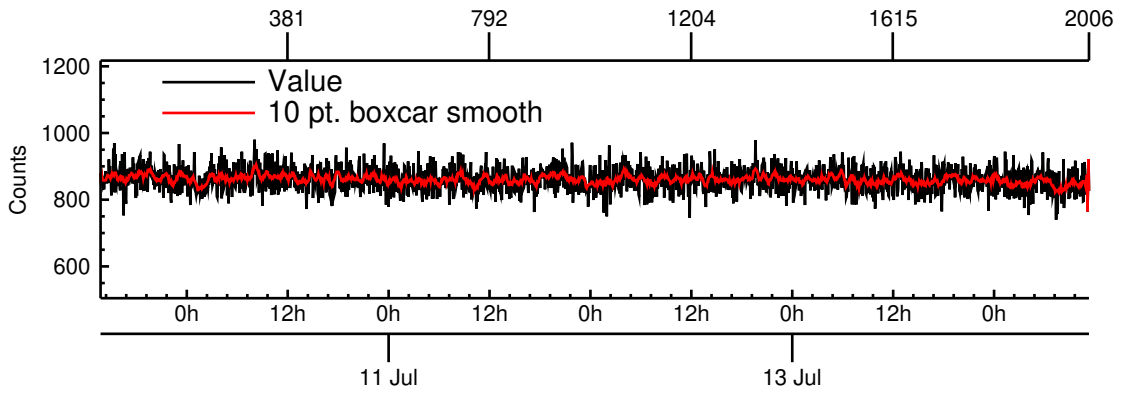
| | | | |
|------------------|-----|---------------|------|
| TELREADOUT | 210 | NEMG_TOT_EVTS | 3876 |
| TELSOH | 35 | NEMG_CZT_EVTS | 3376 |
| MODE | 1 | NEMN_TOT_EVTS | 2800 |
| HVPS1 | 1 | L_BGO_CW | 7 |
| HVPS1_SET | 185 | H_BGO_CW | 25 |
| HVPS2 | 1 | L_BGO_ROI | 1 |
| HVPS2_SET | 170 | H_BGO_ROI | 64 |
| HVPS3 | 1 | L_BLP_MY_CW | 1 |
| HVPS3_SET | 175 | H_BLP_MY_CW | 64 |
| HVPS4 | 1 | L_BLP_MY_ROI | 1 |
| HVPS4_SET | 180 | H_BLP_MY_ROI | 64 |
| HVPS5 | 1 | L_BLP_PY_CW | 1 |
| HVPS5_SET | 125 | 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 |
| P12_LVPS | 1 | H_BLP_MZ_CW | 64 |
| HEATERS_ENABLE | 0 | L_BLP_MZ_ROI | 1 |
| CZT_PM5_LVPS | 1 | H_BLP_MZ_ROI | 64 |
| CZT_ENABLES | | L_BLP_PZ_CW | 1 |
| 0010001000000010 | | H_BLP_PZ_CW | 64 |
| | | L_BLP_PZ_ROI | 1 |
| | | H_BLP_PZ_ROI | 64 |



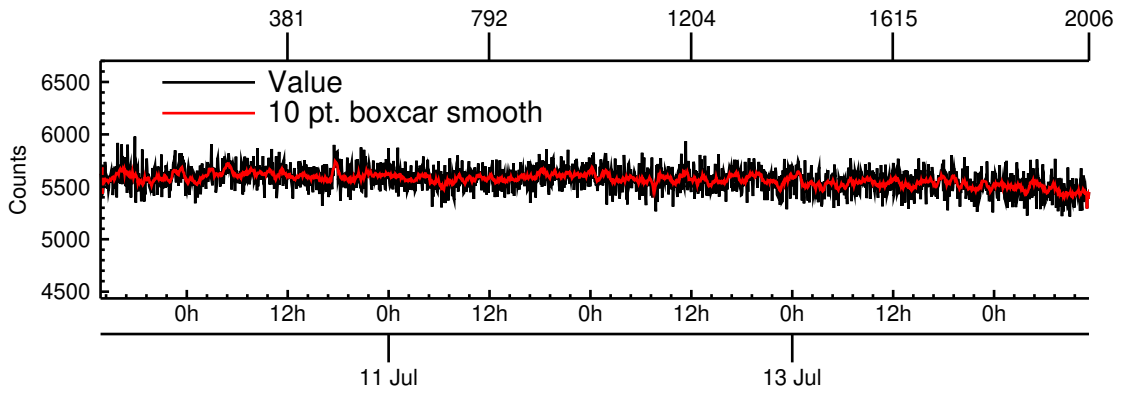
-Y BLP overload events



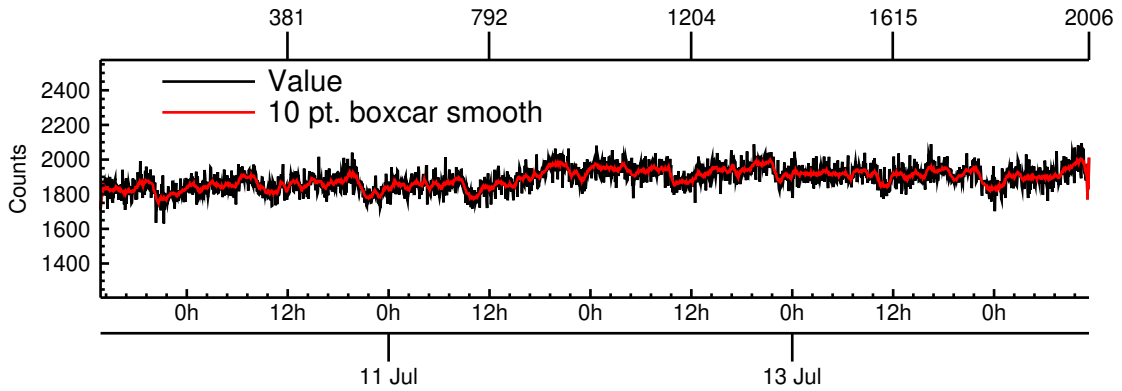
+Y BLP overload events

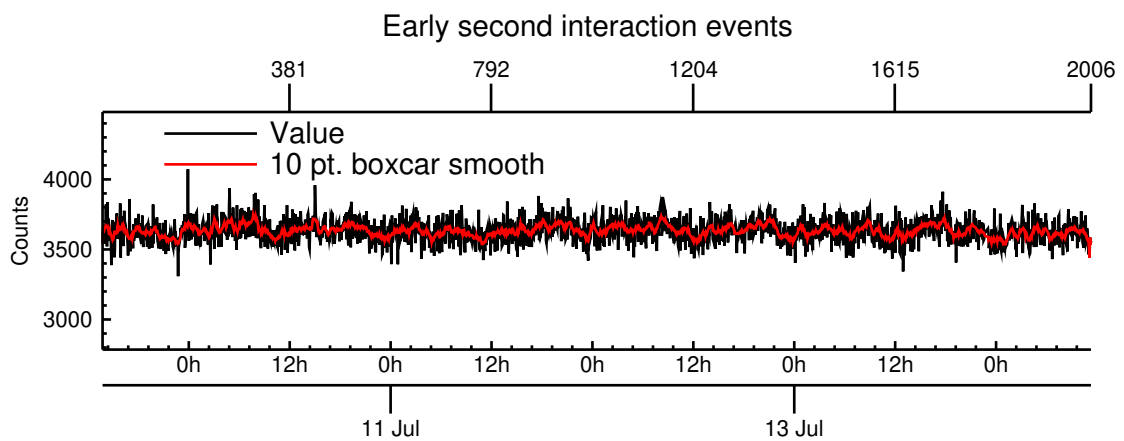
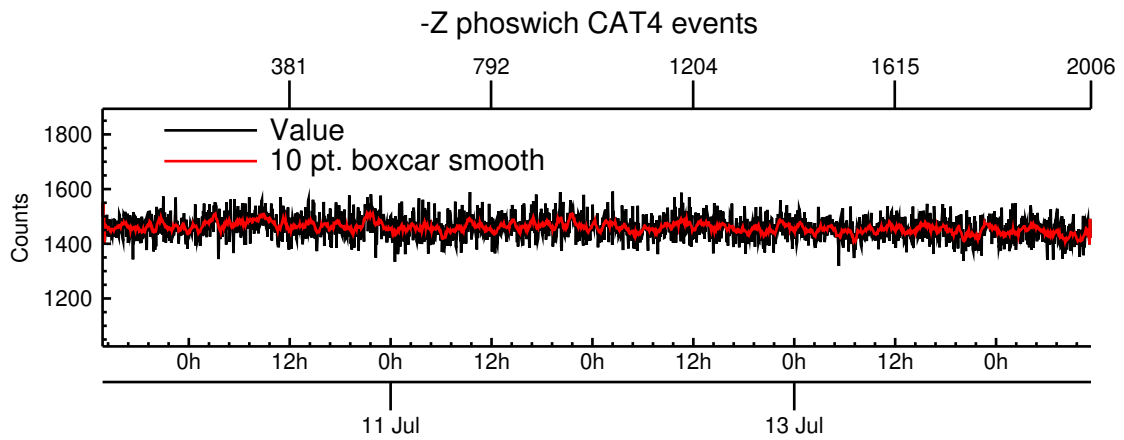
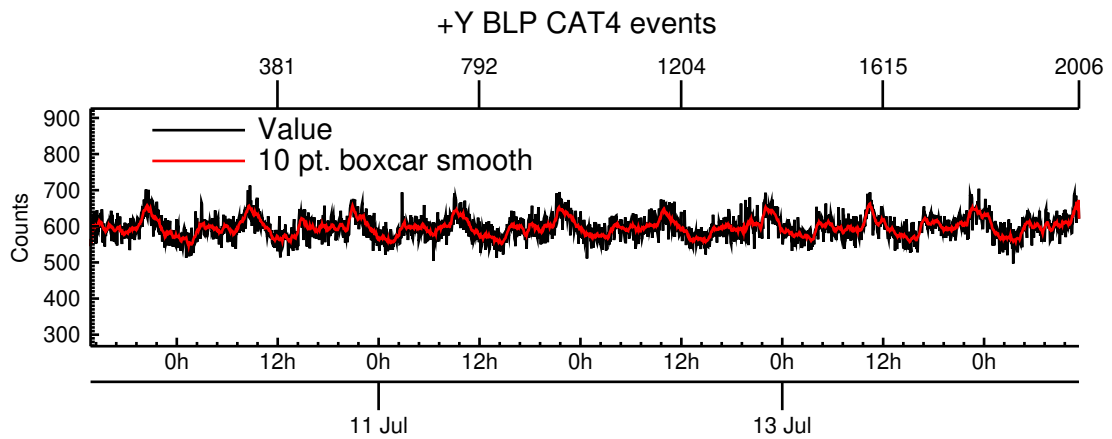
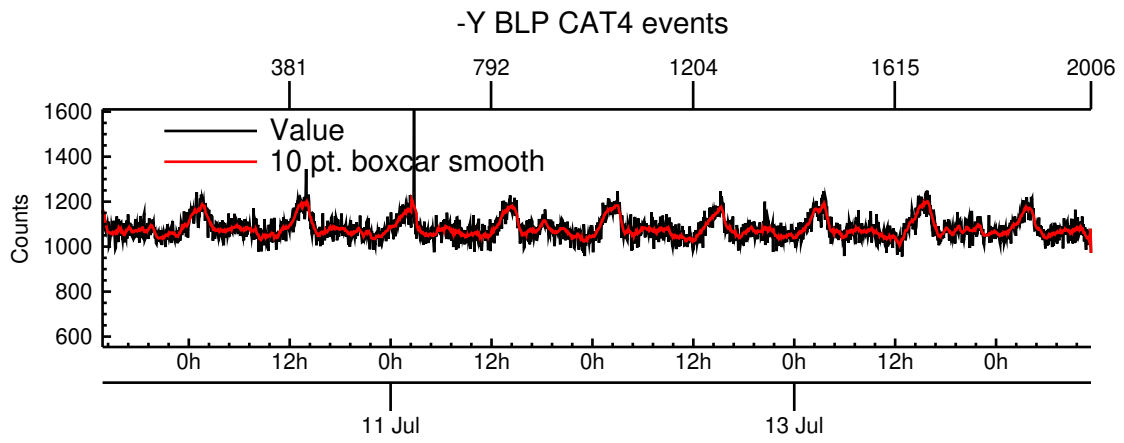


-Z phoswich overload events

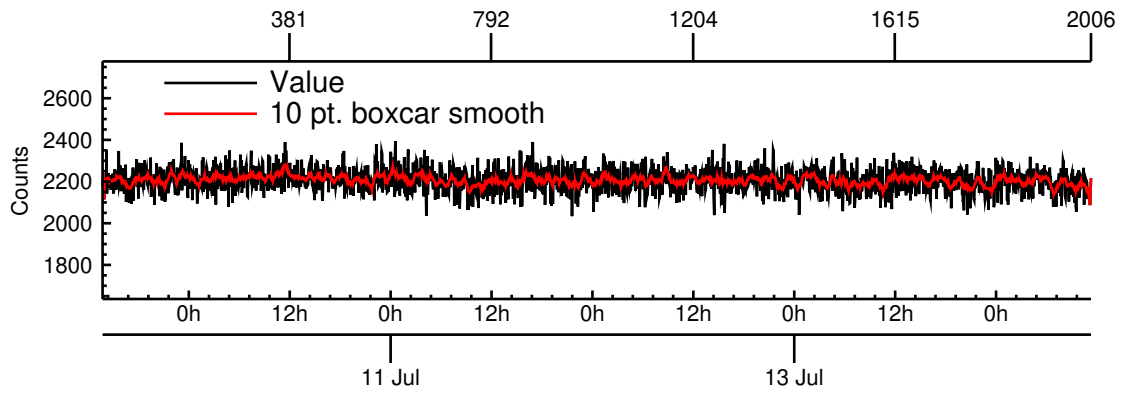


+Z phoswich CAT4 events

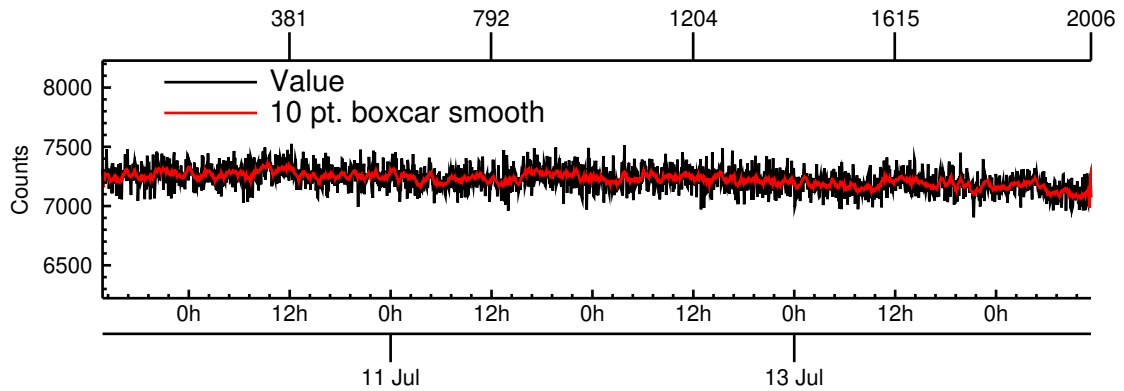




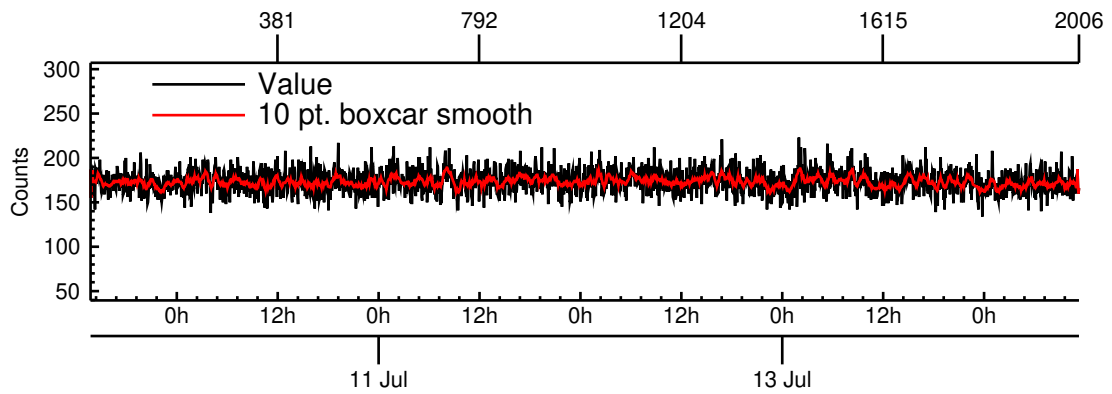
Multiple-crystal CZT events



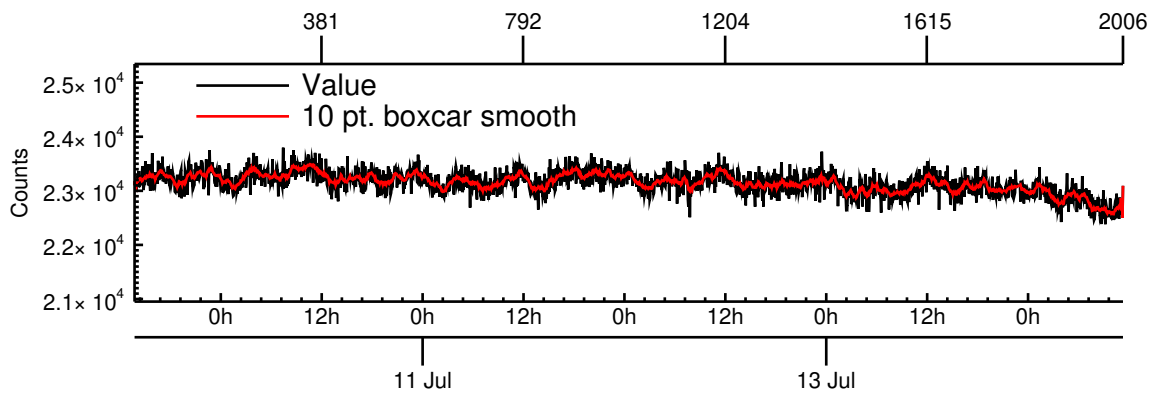
Valid CZT events (CAT10)



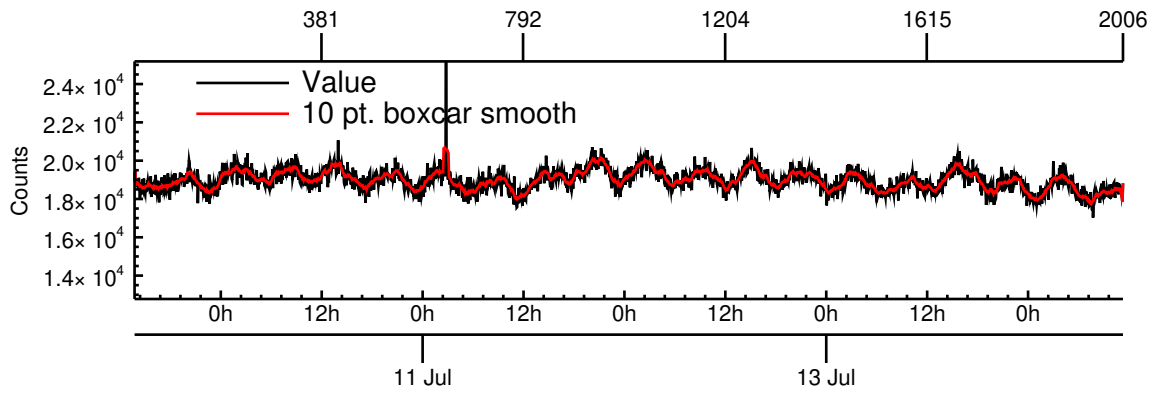
Coincidence BGO and CZT events (CAT7)



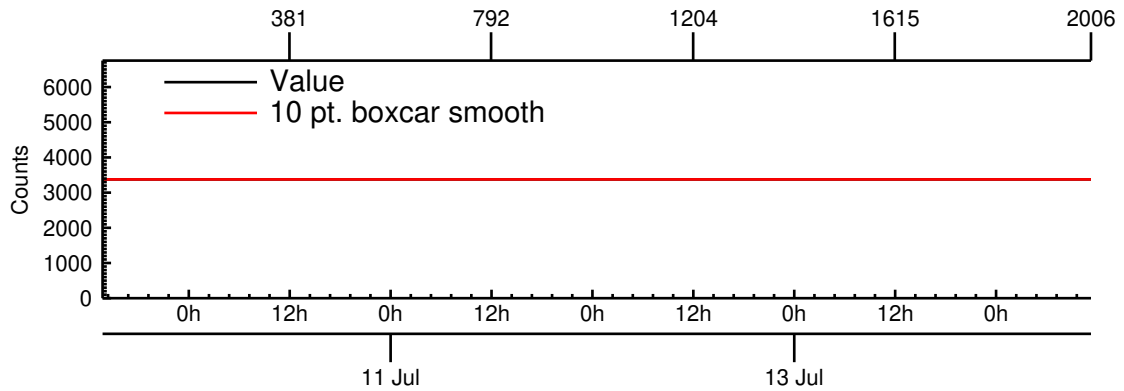
Coincidence of three or more sensor elements



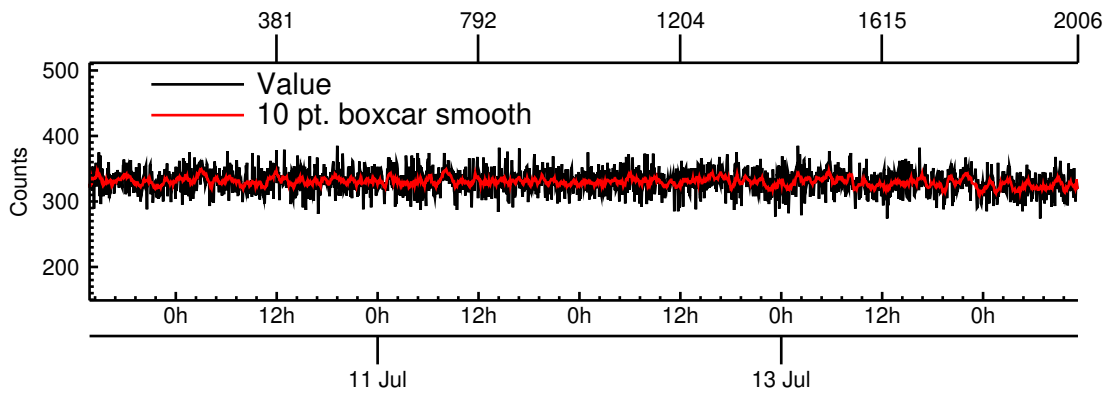
Total events processed by GRaND



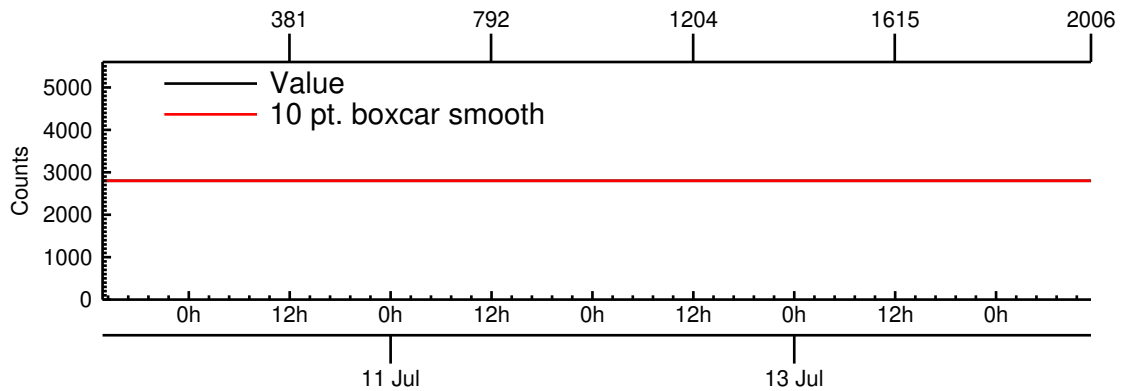
Number of single CZT events (CAT10) in the gamma ray event buffer

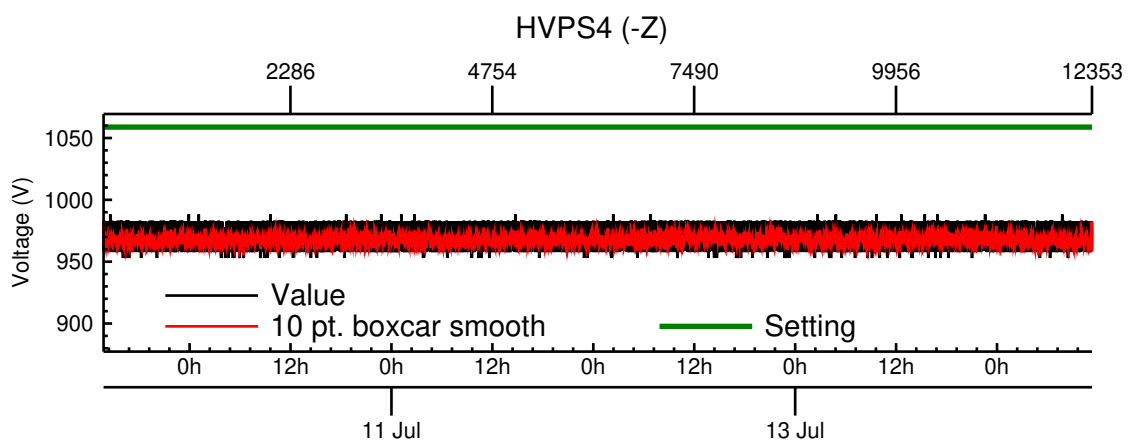
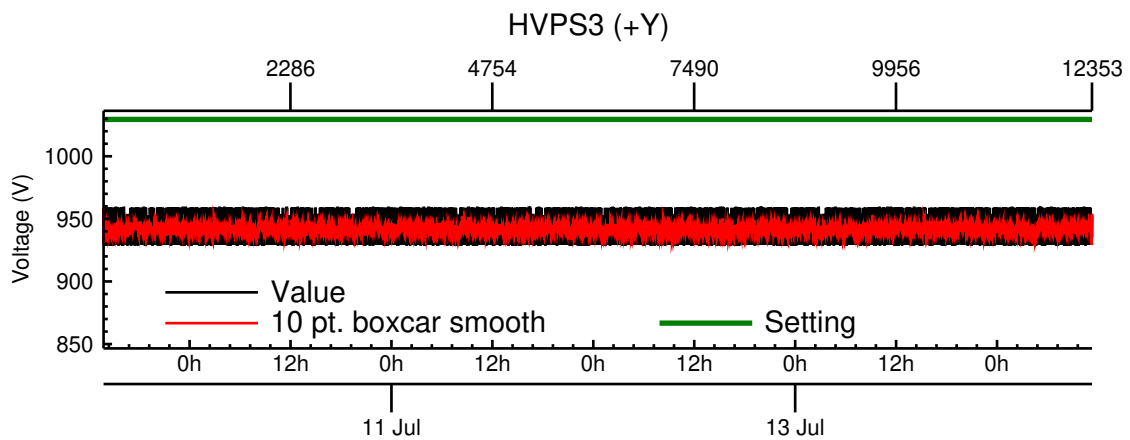
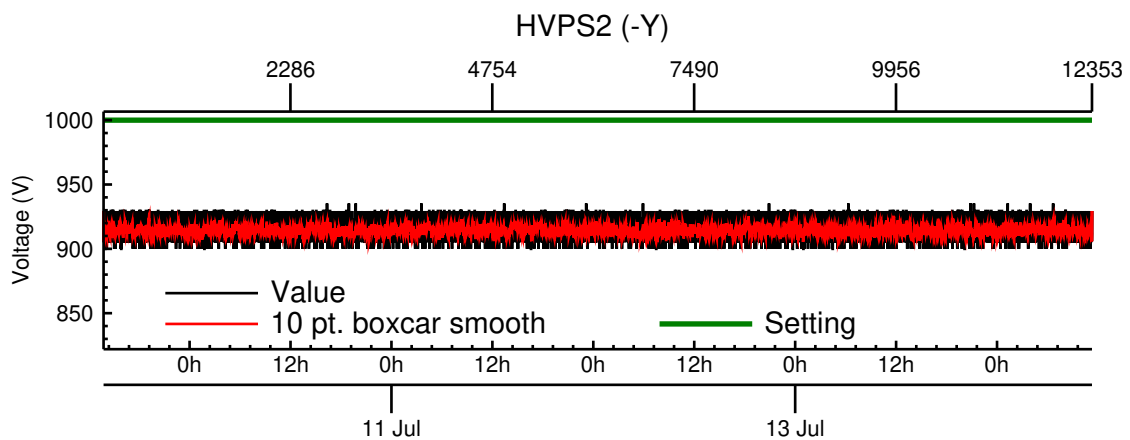
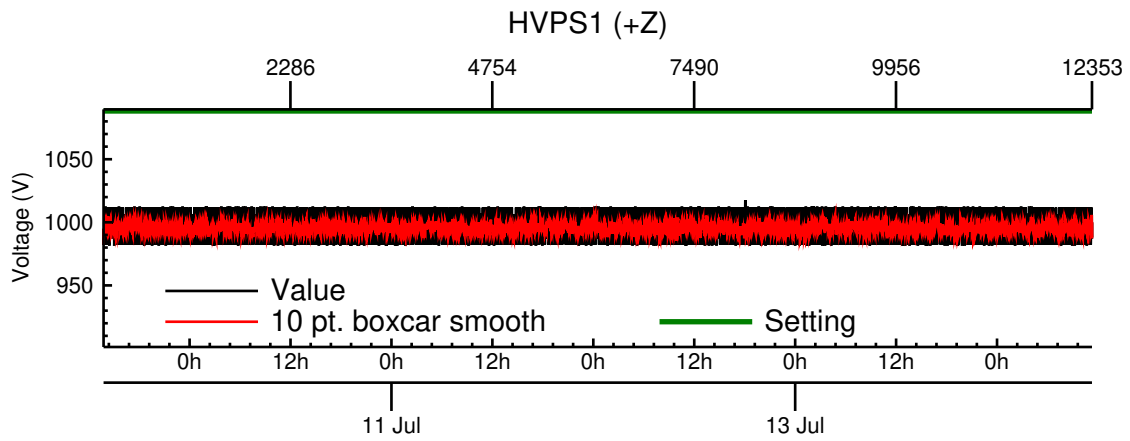


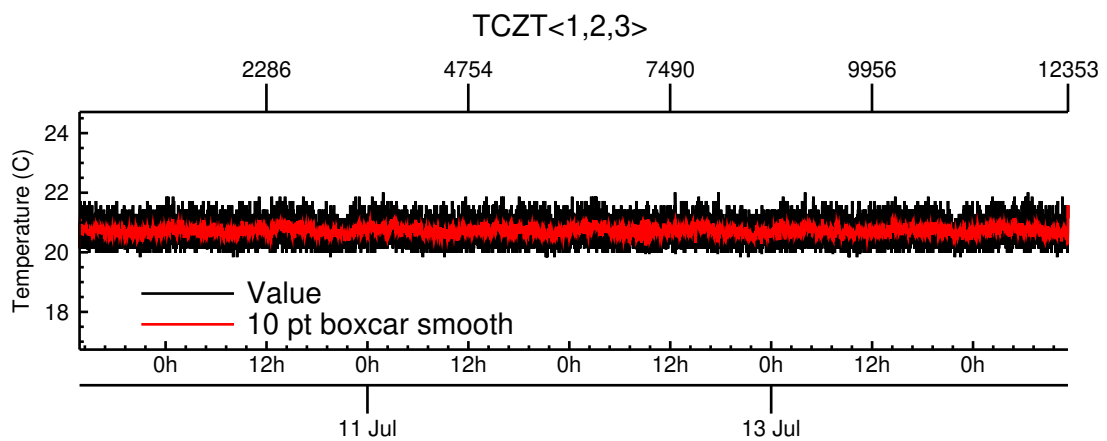
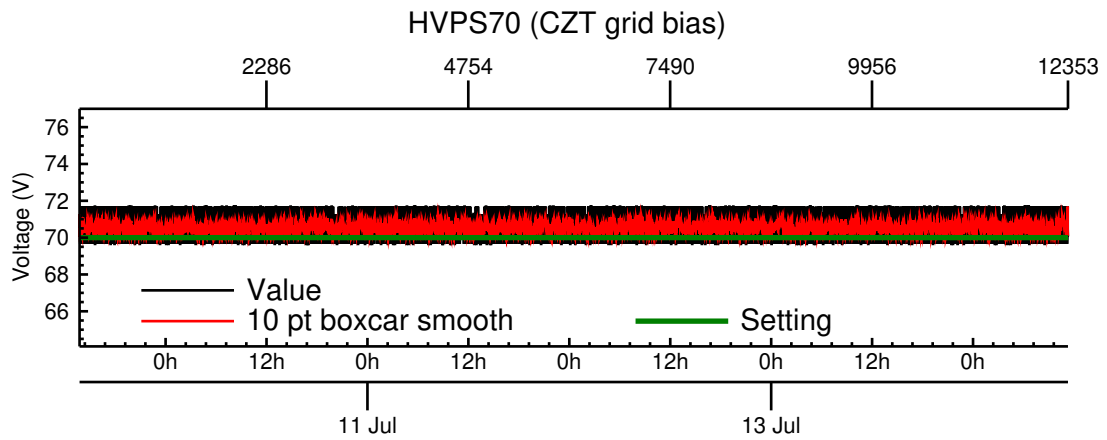
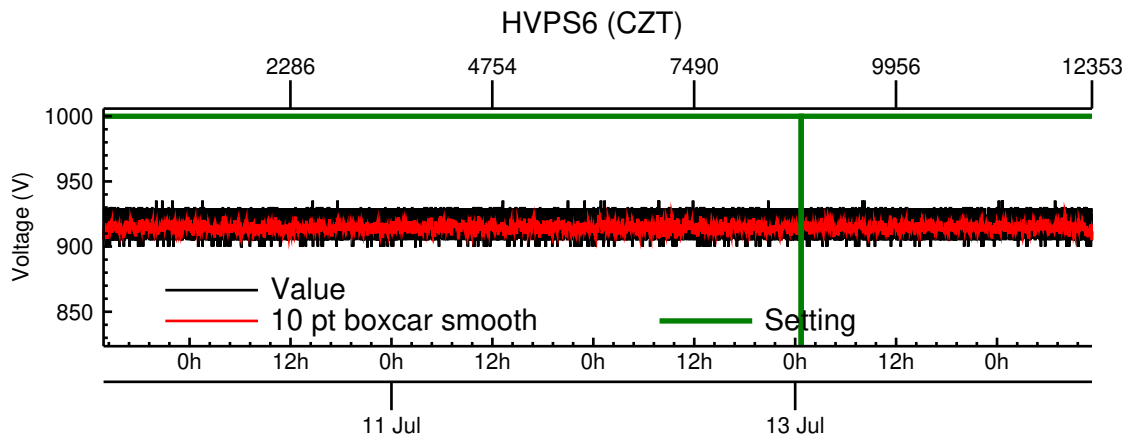
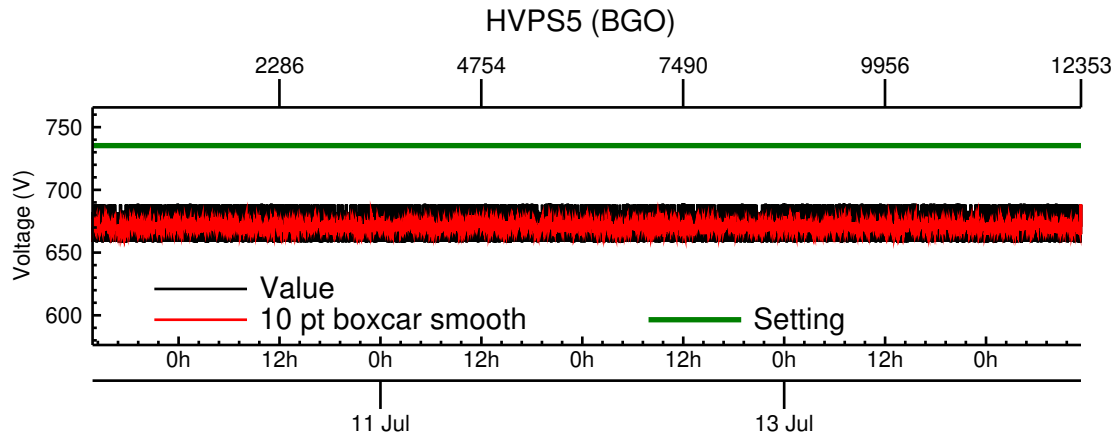
Number of BGO-CZT events (CAT7) in the gamma ray event buffer

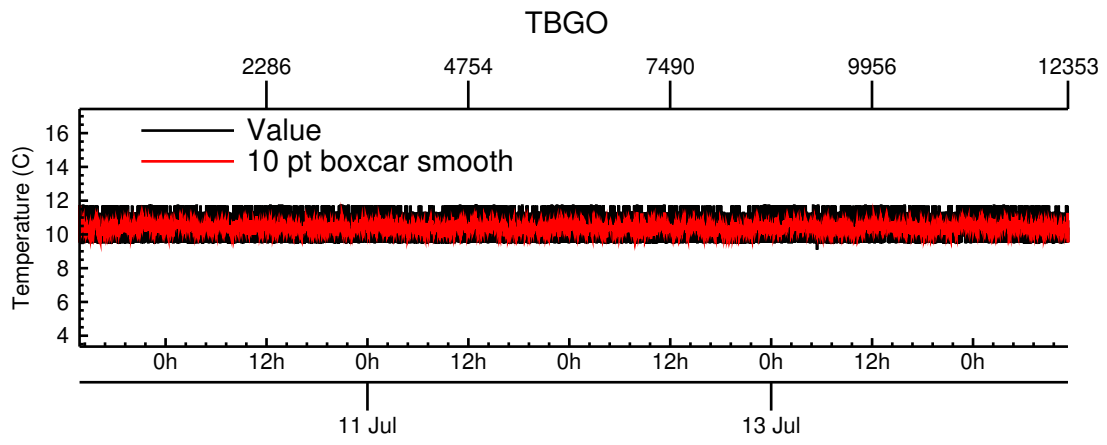
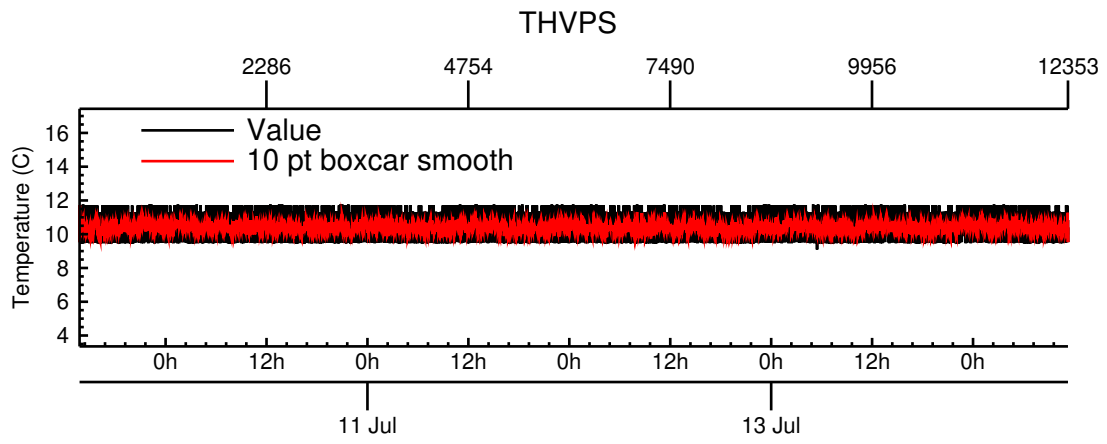
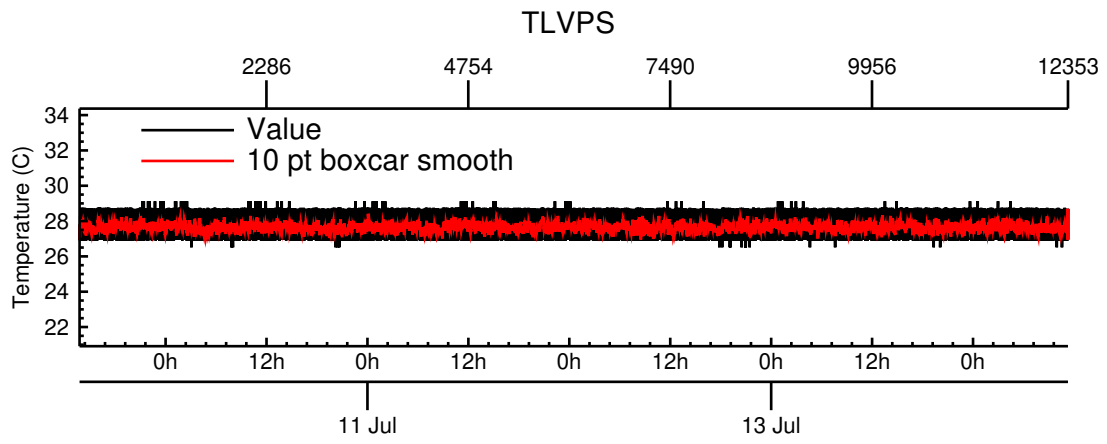
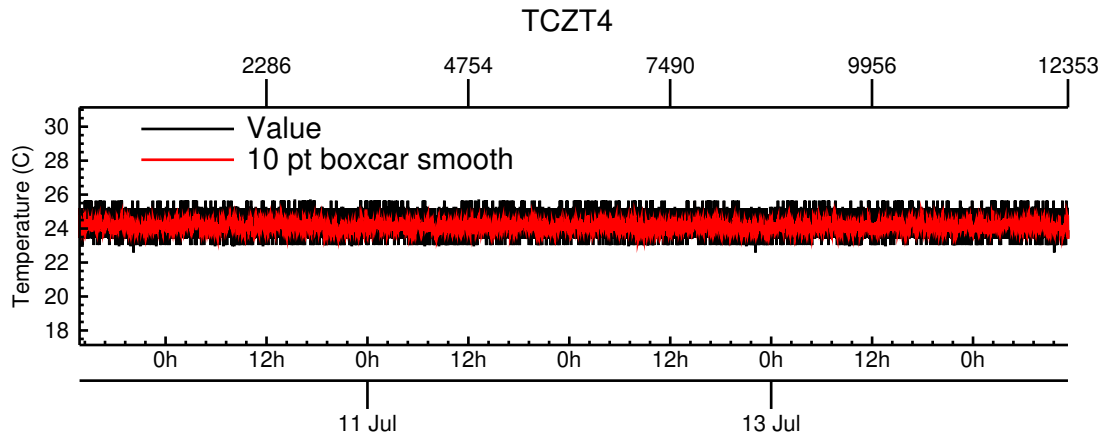


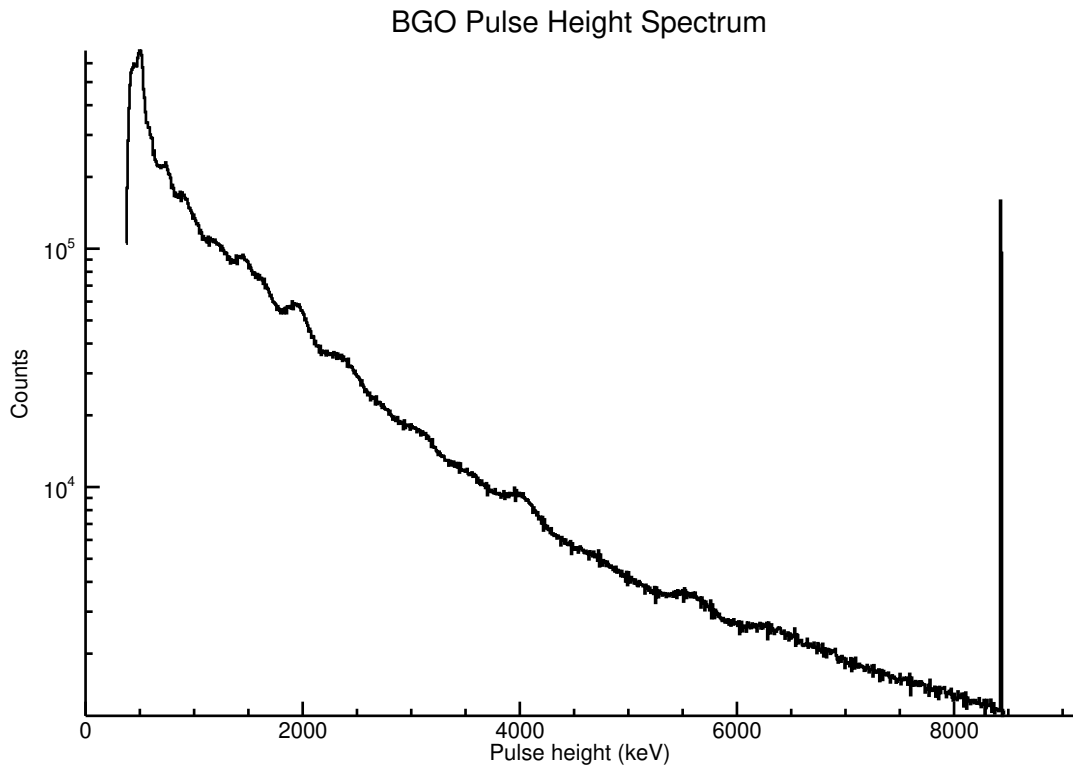
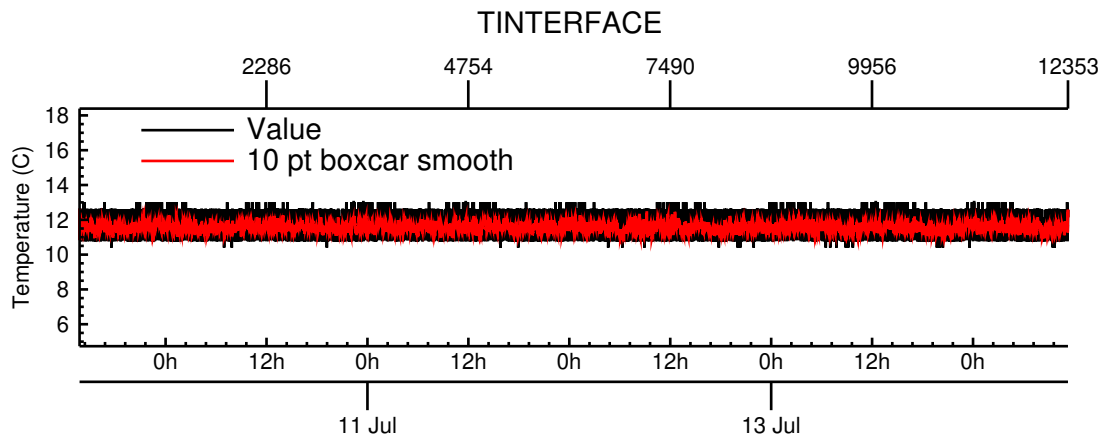
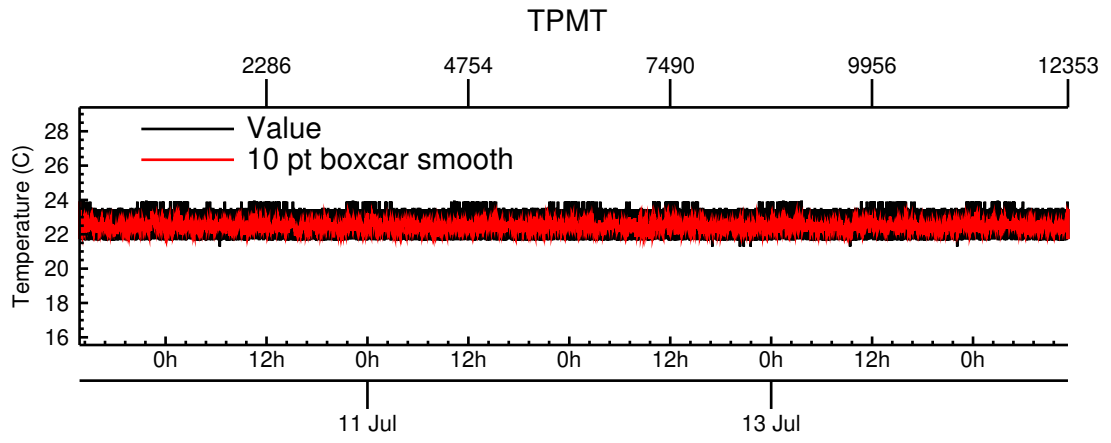
Number of events (CAT4) in the neutron event buffer



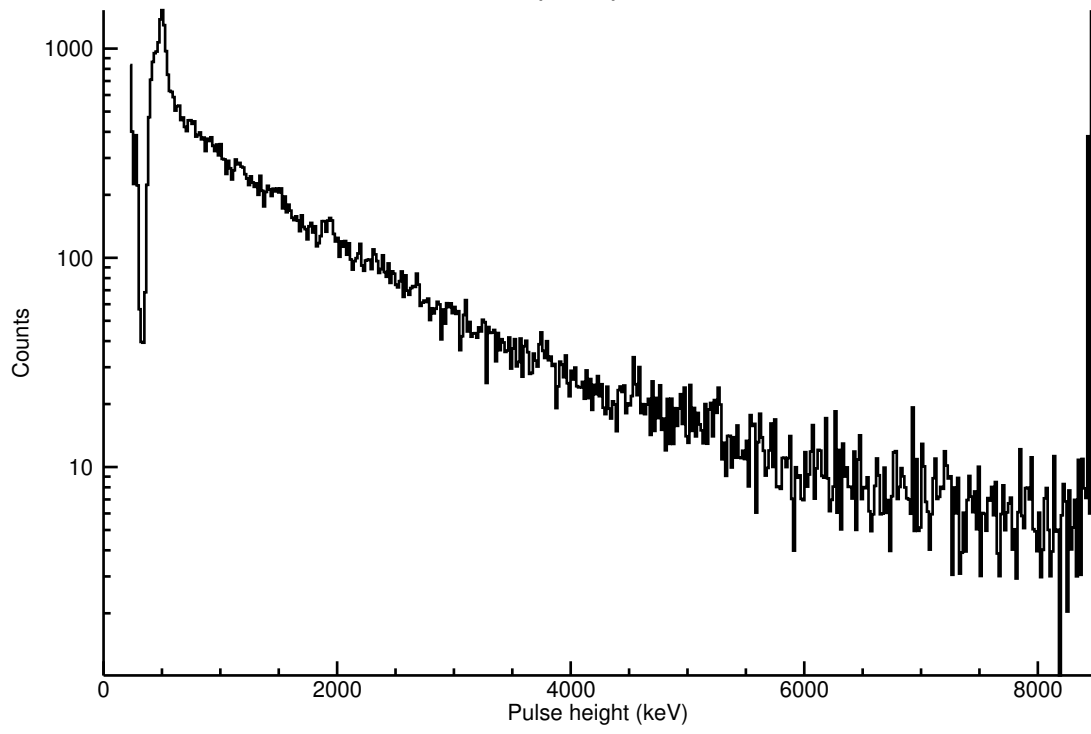




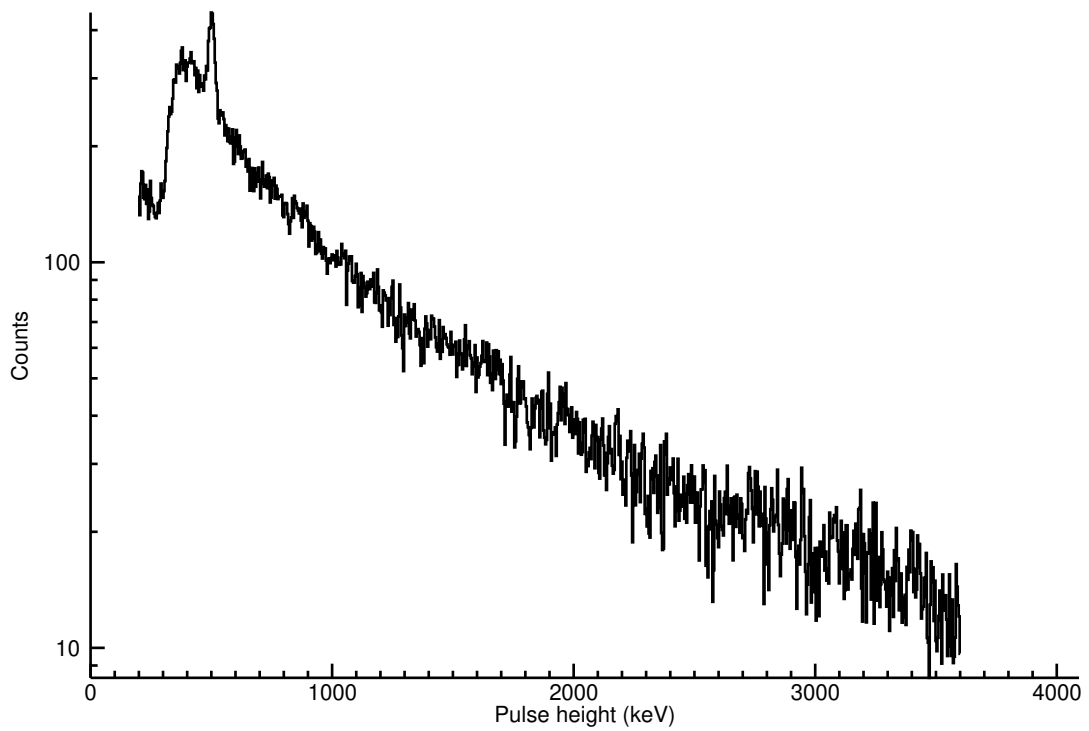




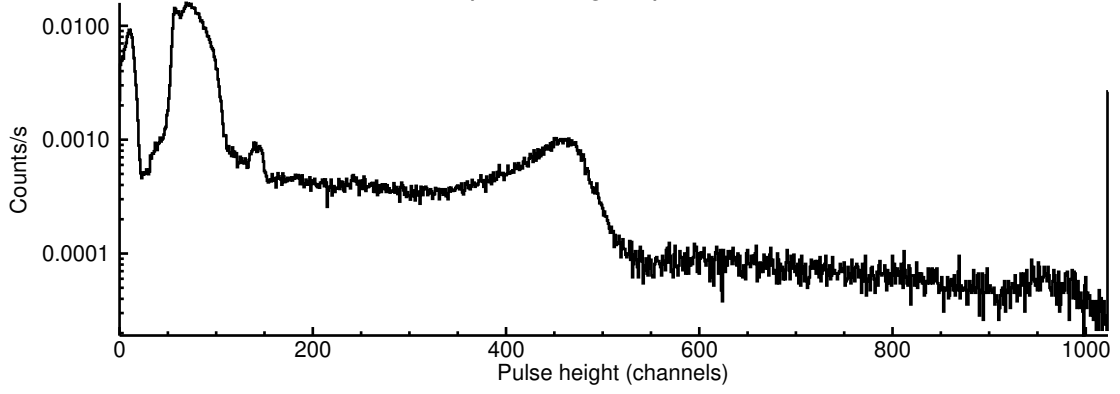
BGO-CZT pair spectrum: BGO



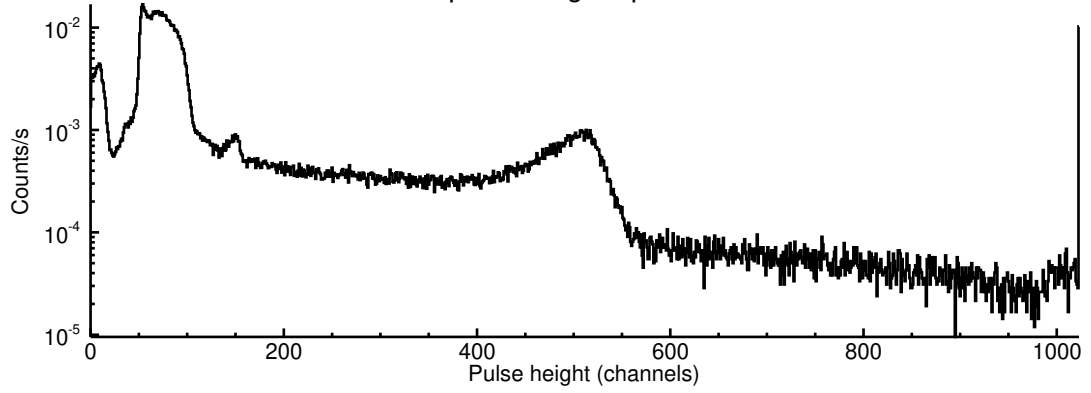
BGO-CZT pair spectrum: CZT



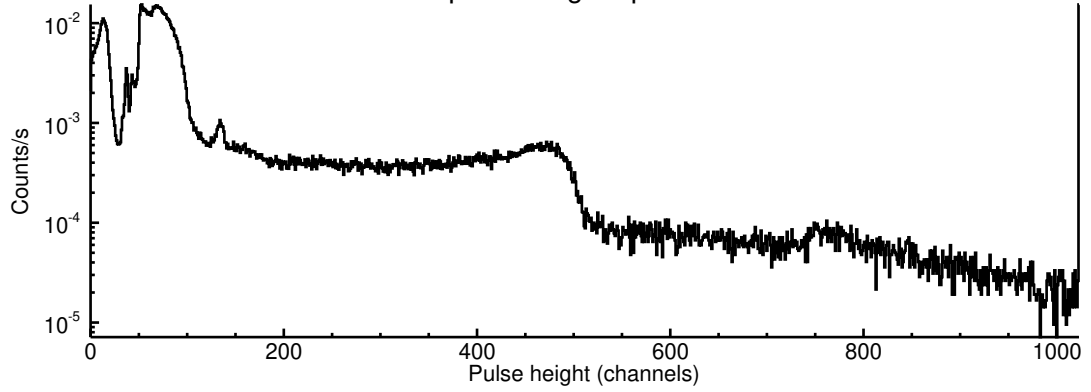
CAT10 pulse height spectrum: CZT11



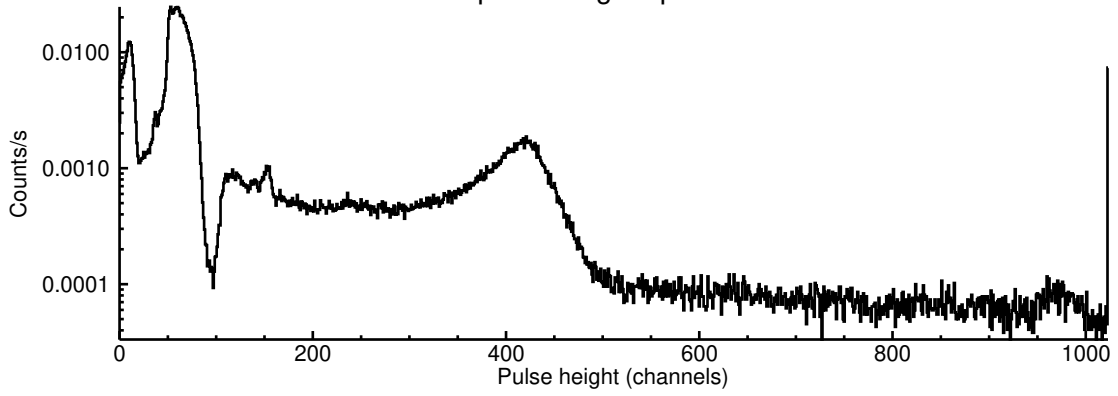
CAT10 pulse height spectrum: CZT3



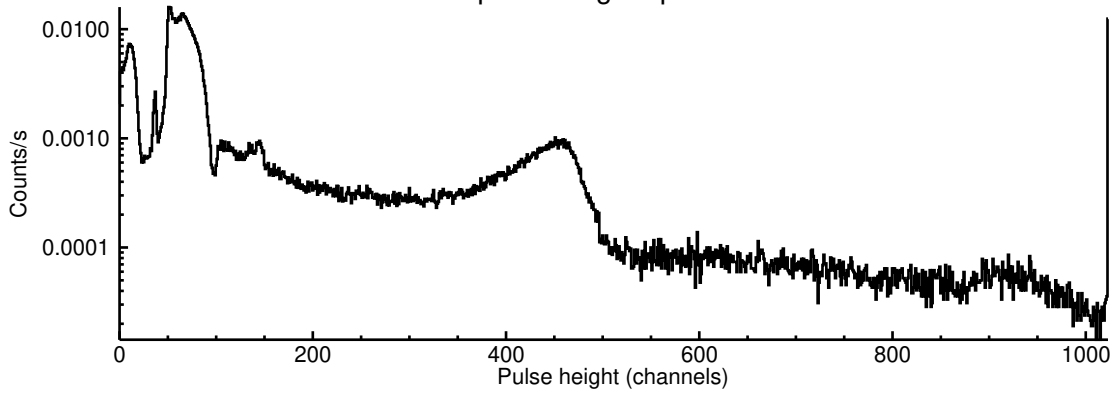
CAT10 pulse height spectrum: CZT1



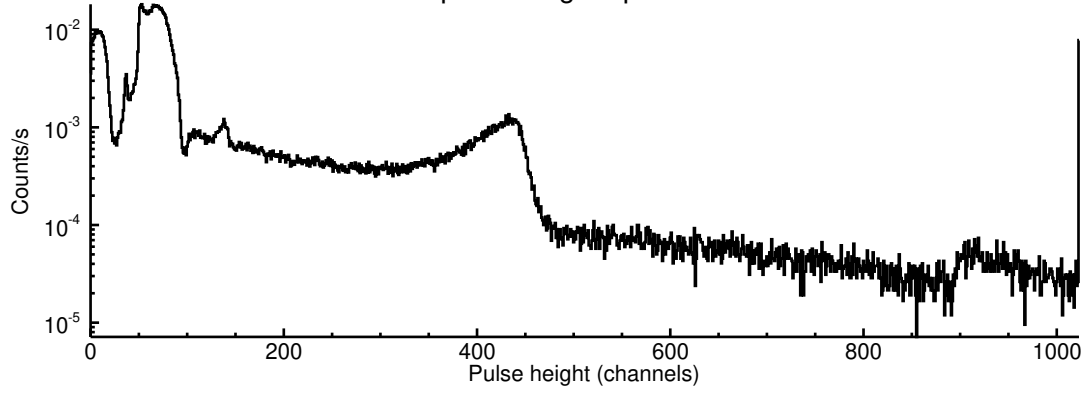
CAT10 pulse height spectrum: CZT2



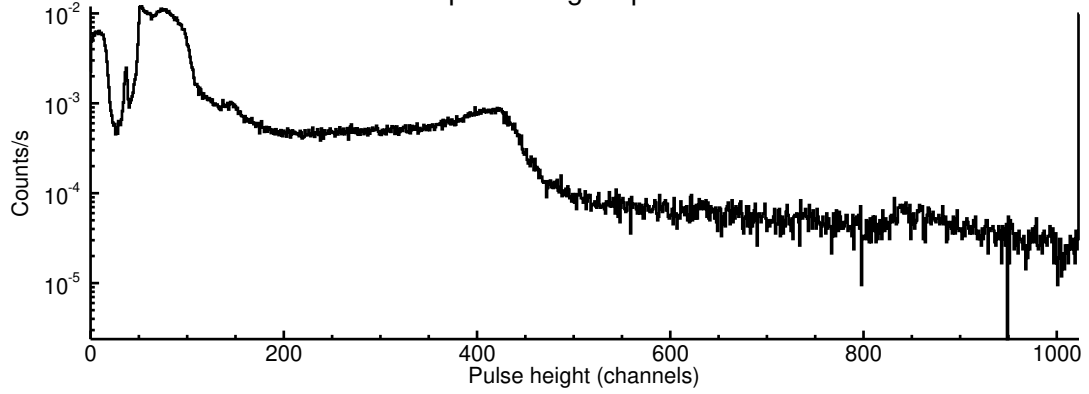
CAT10 pulse height spectrum: CZT8



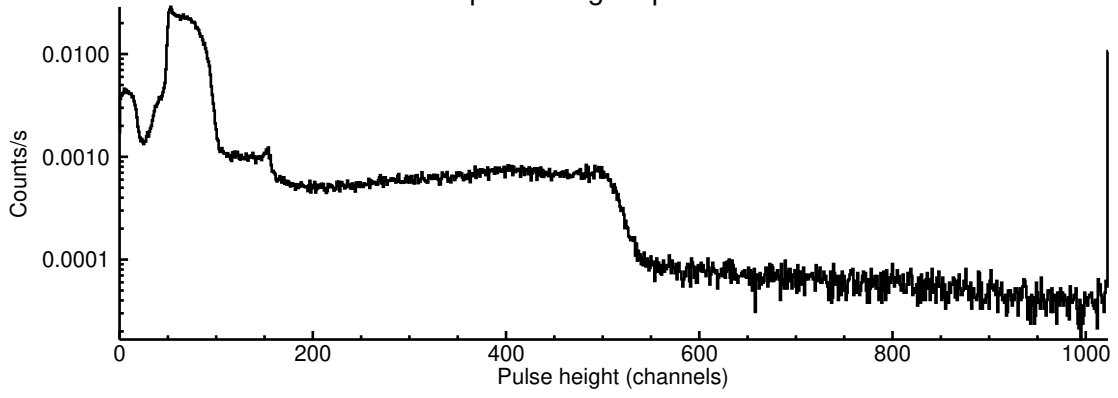
CAT10 pulse height spectrum: CZT10



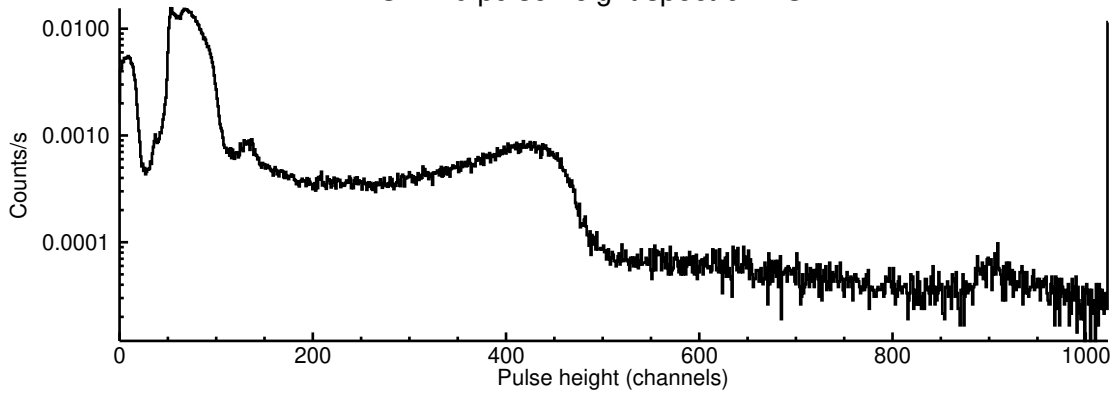
CAT10 pulse height spectrum: CZT0



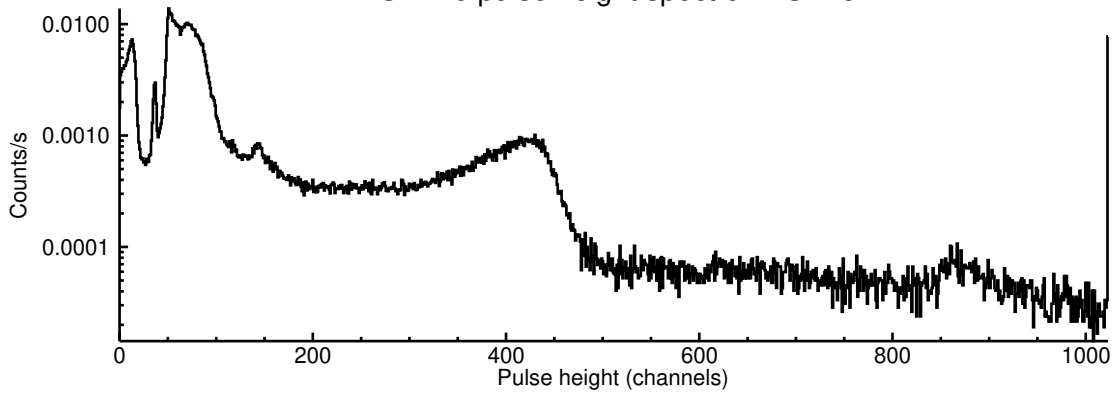
CAT10 pulse height spectrum: CZT15



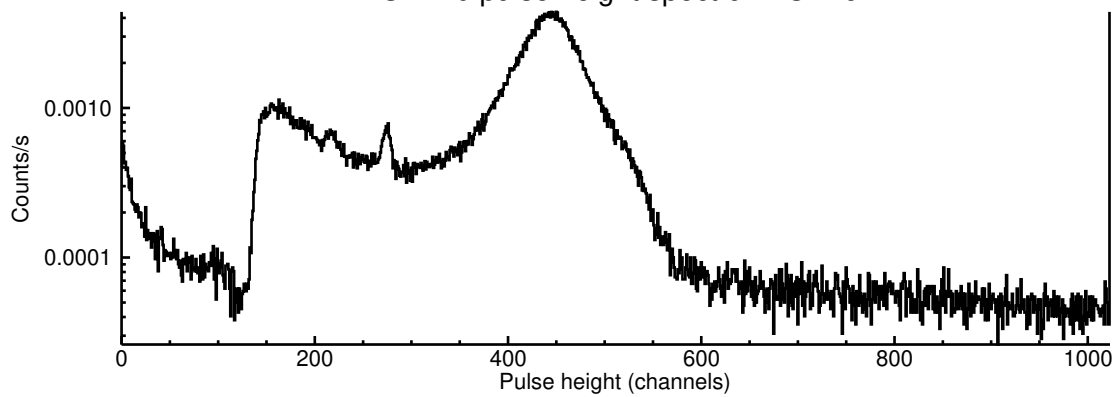
CAT10 pulse height spectrum: CZT7



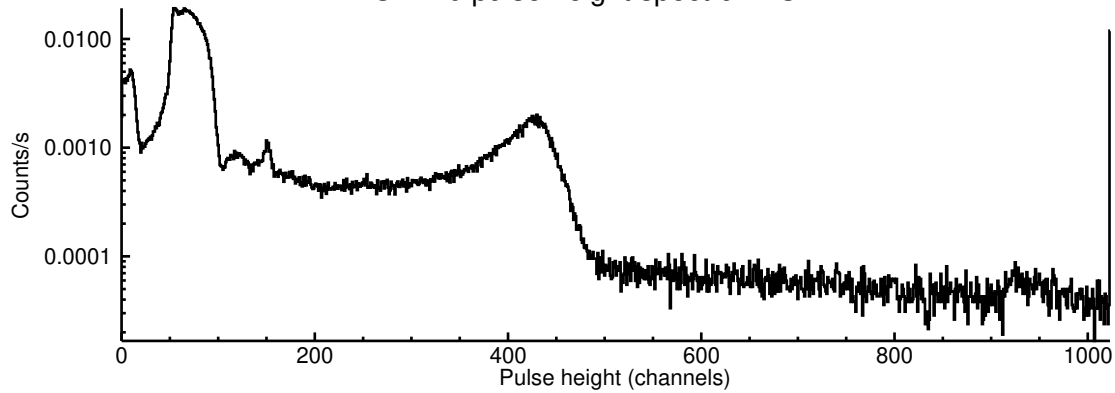
CAT10 pulse height spectrum: CZT5



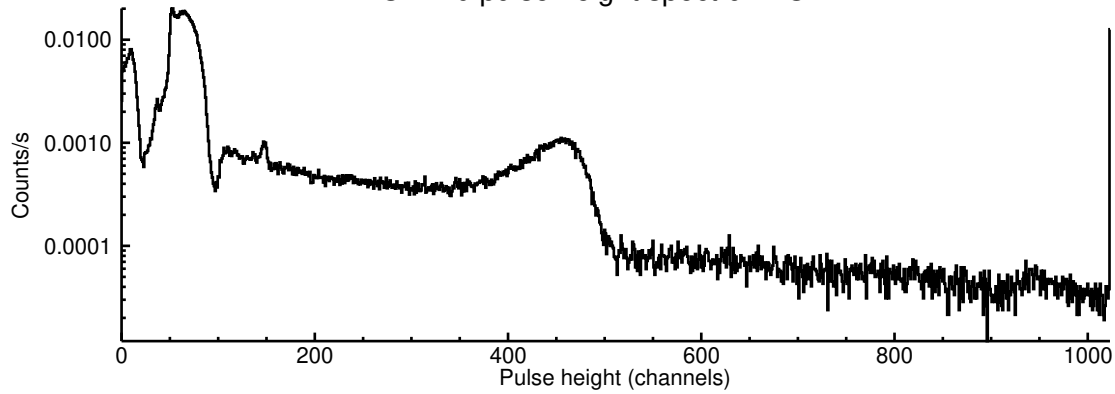
CAT10 pulse height spectrum: CZT6



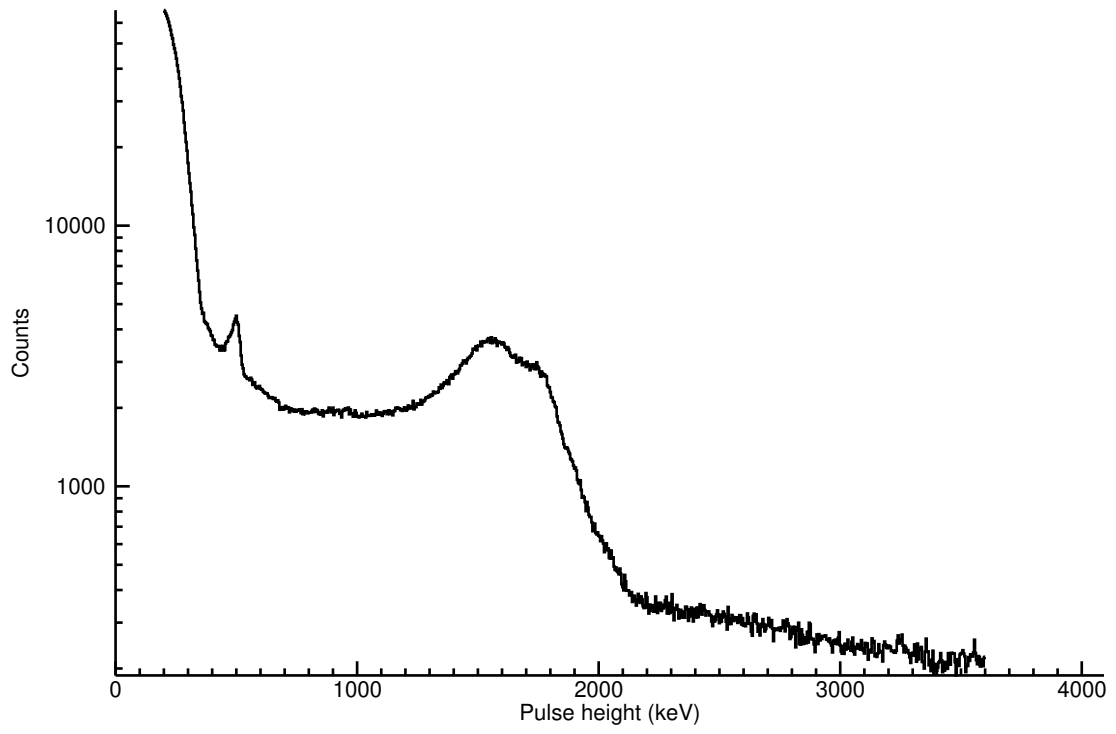
CAT10 pulse height spectrum: CZT14



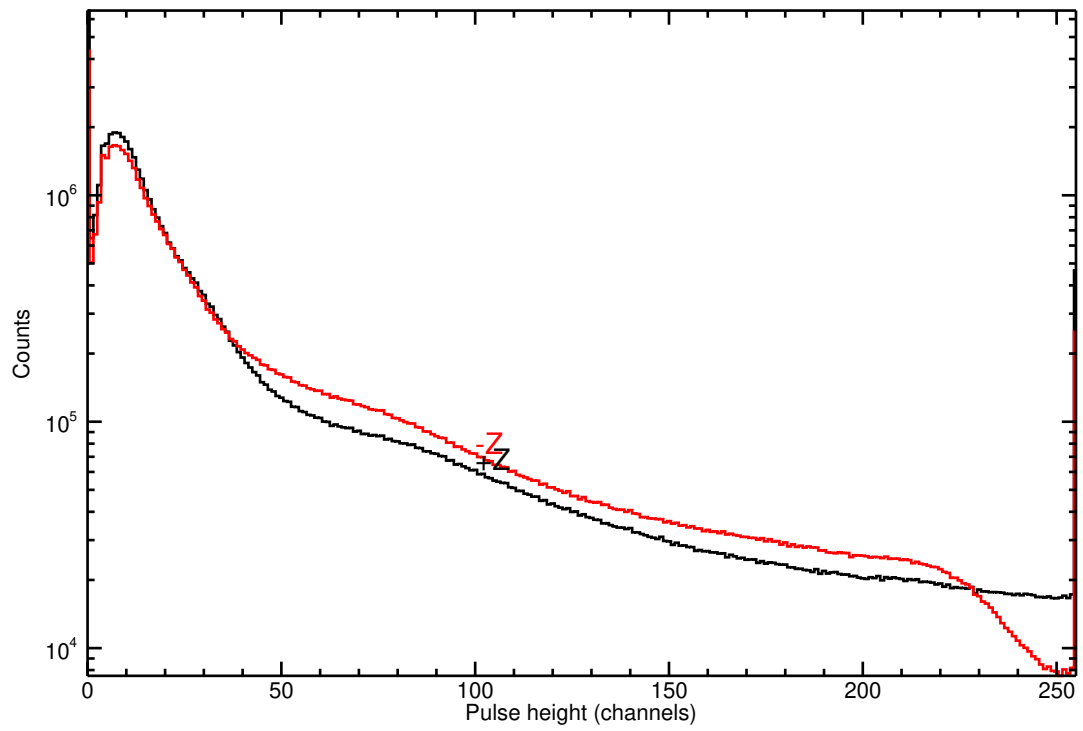
CAT10 pulse height spectrum: CZT4



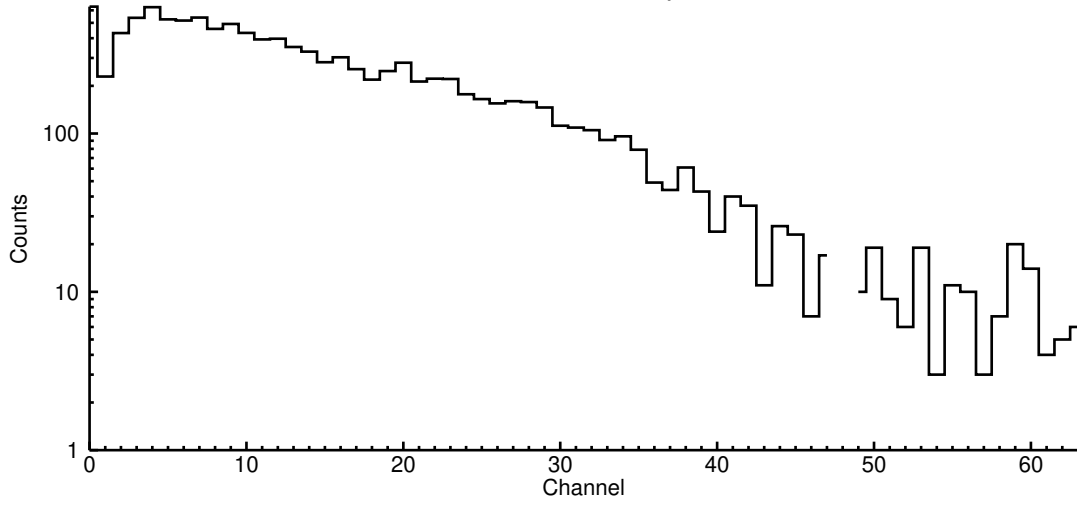
CAT10 CZT composite



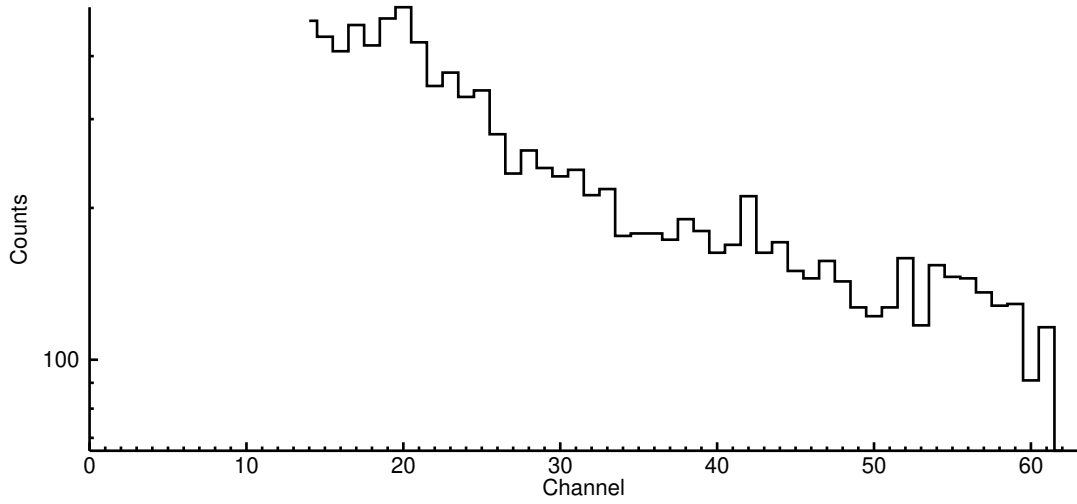
CAT1 histograms



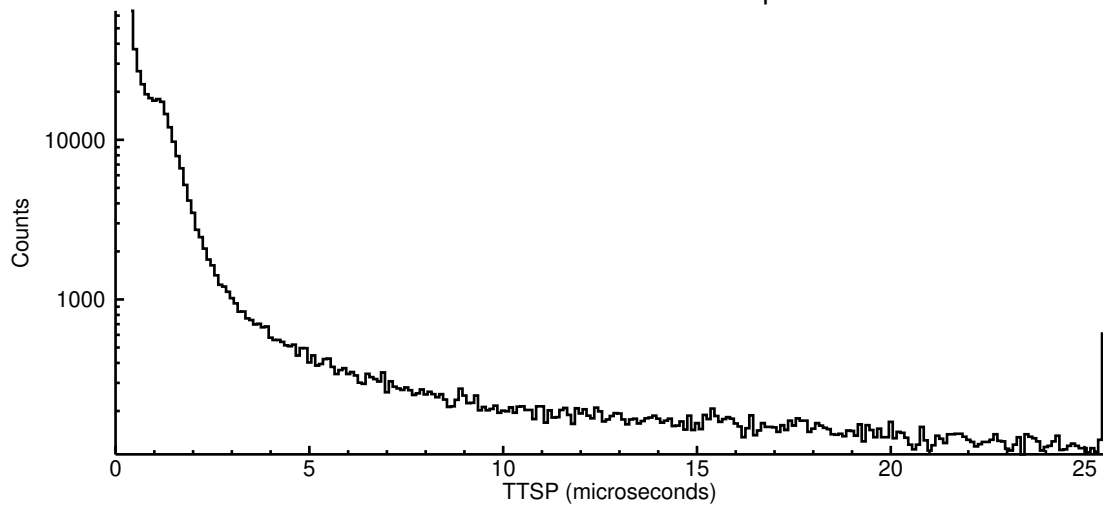
+Z BLP CAT4 first pulse



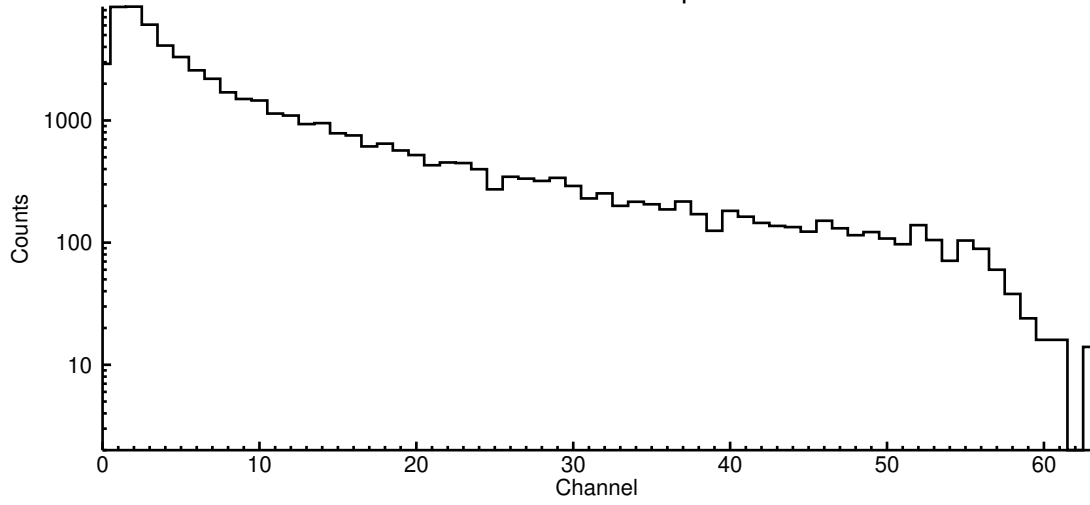
+Z BLP CAT4 second pulse



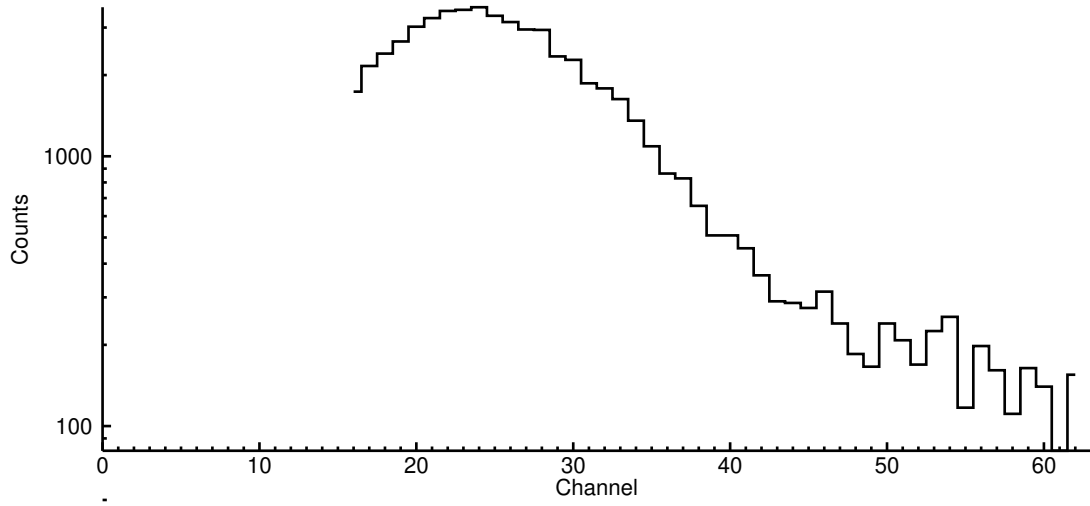
+Z BLP CAT4 time to second pulse



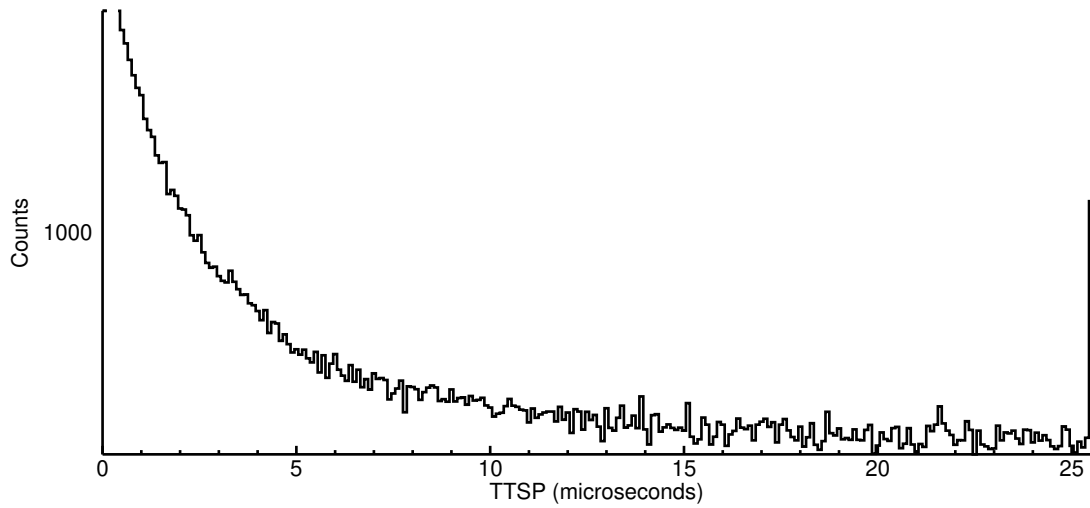
-Y BLP CAT4 first pulse



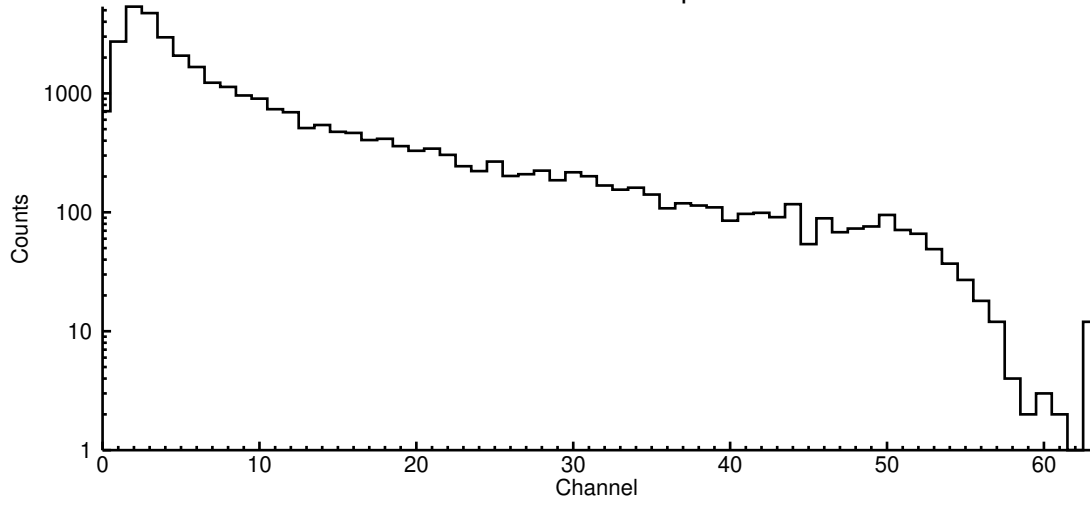
-Y BLP CAT4 second pulse



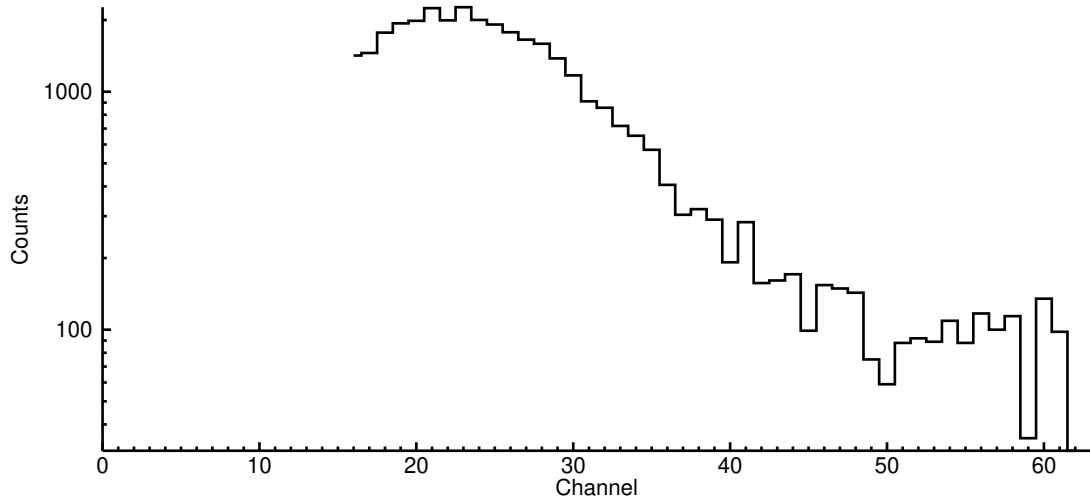
-Y BLP CAT4 time to second pulse



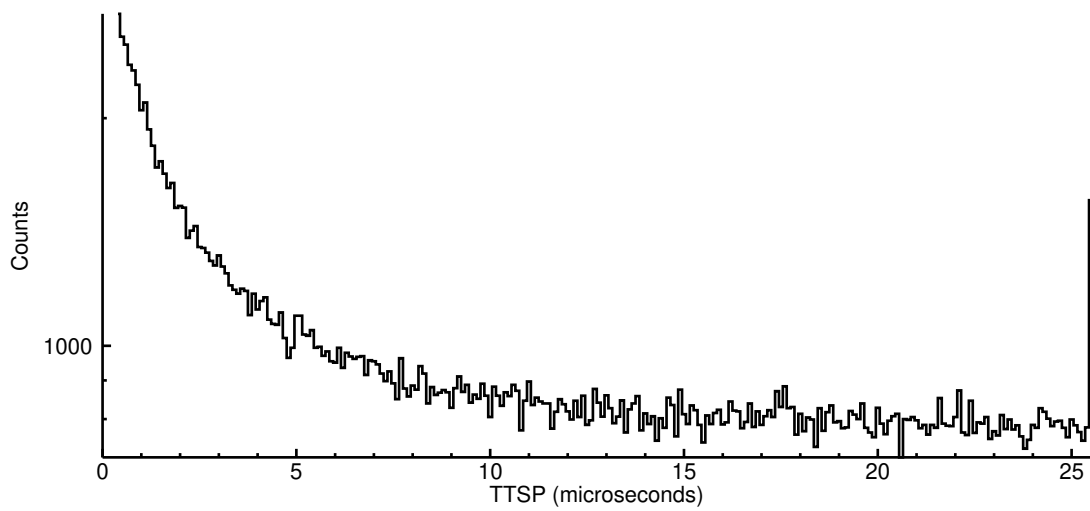
+Y BLP CAT4 first pulse



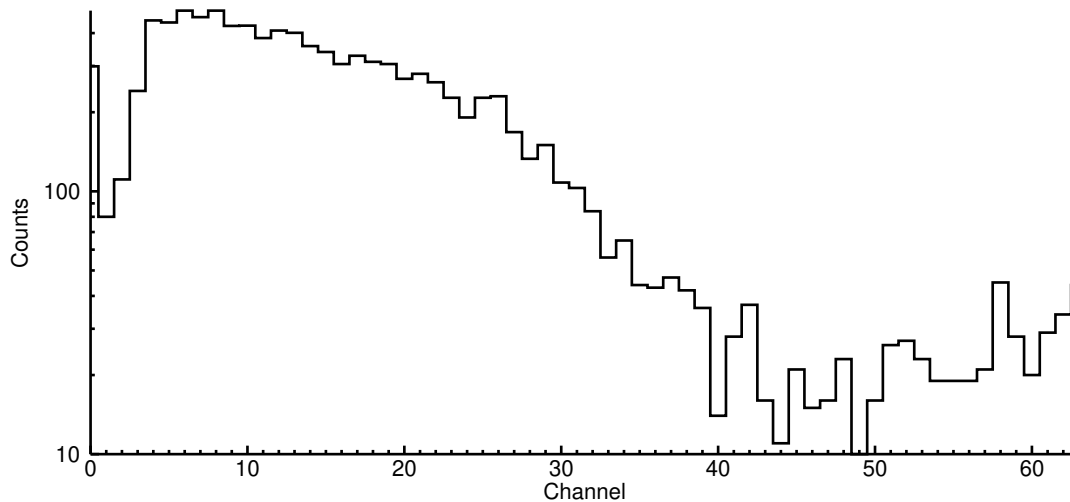
+Y BLP CAT4 second pulse



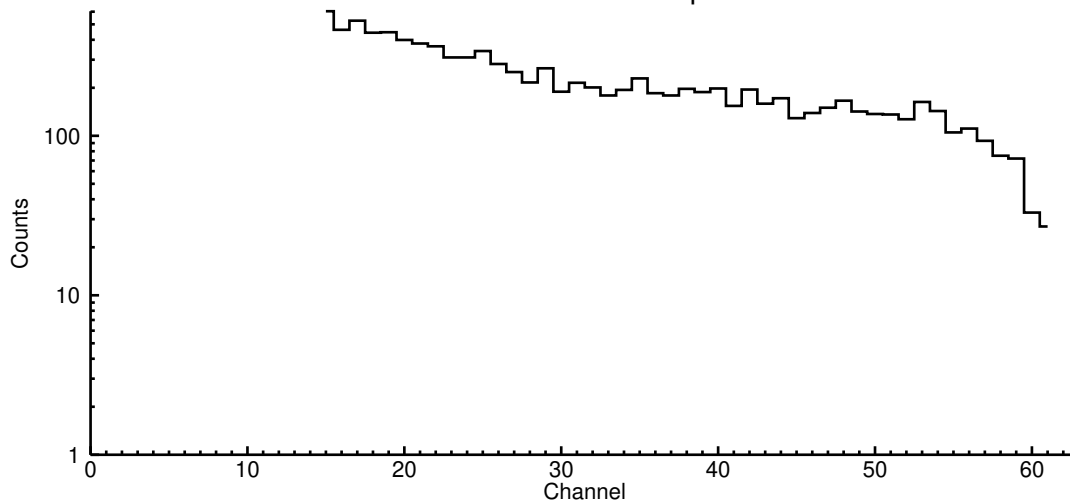
+Y BLP CAT4 time to second pulse



-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

