

# NASA Dawn Mission

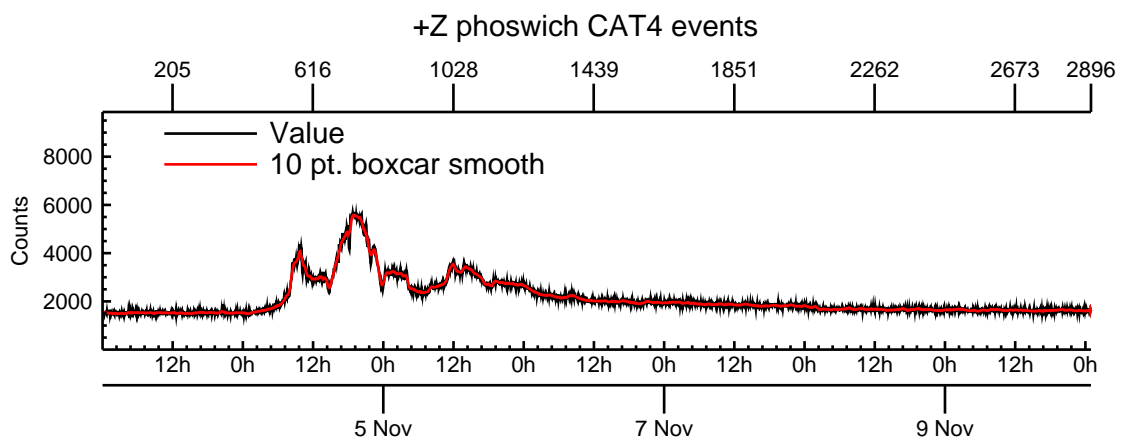
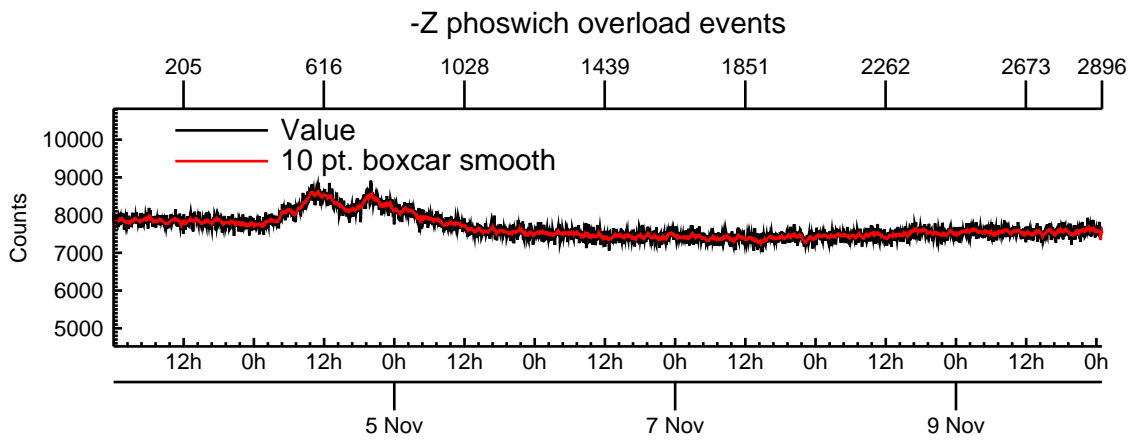
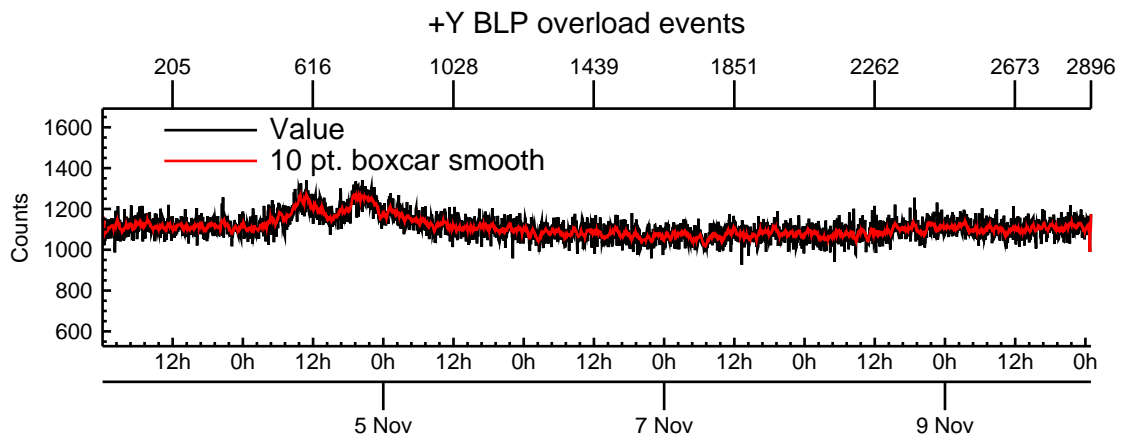
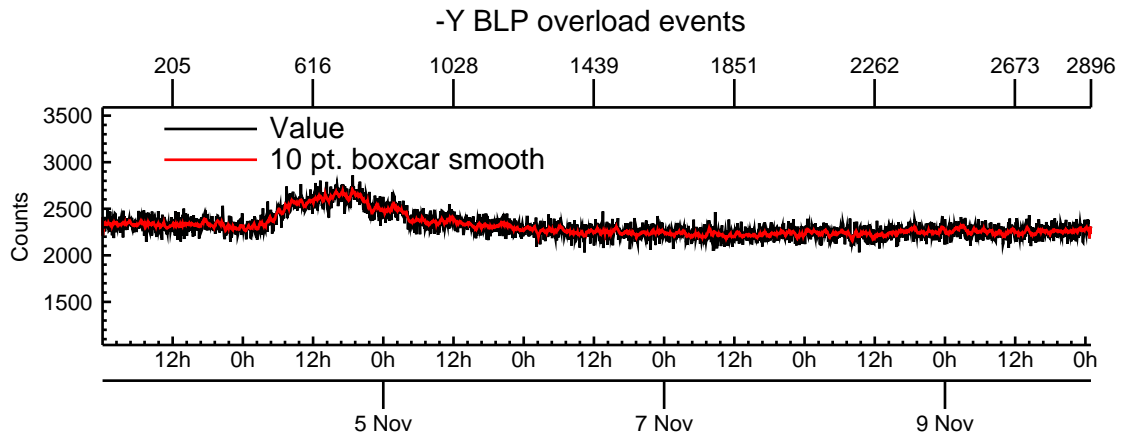
## GRaND@Vesta Browse Charts

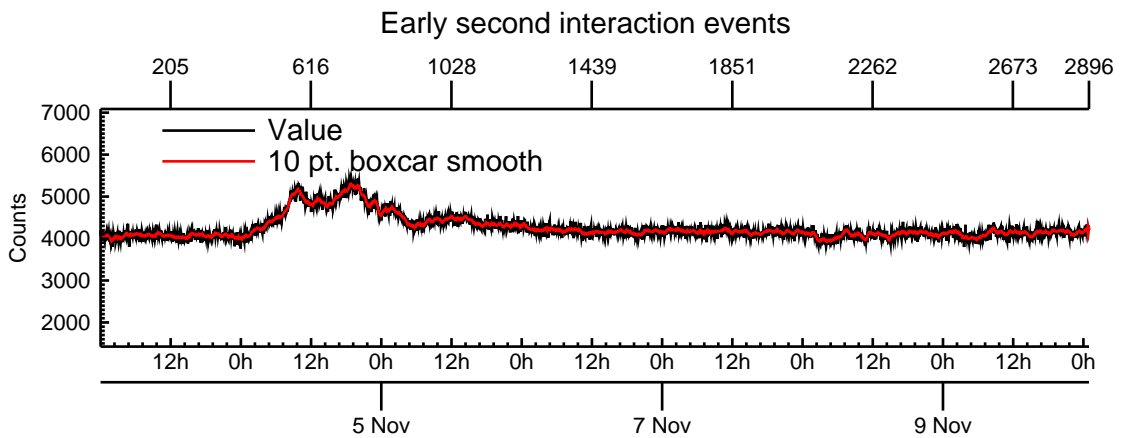
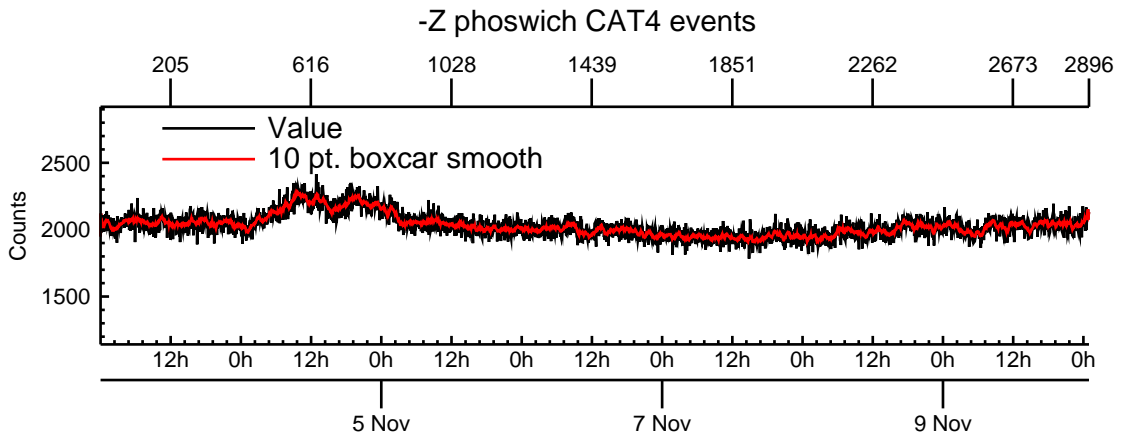
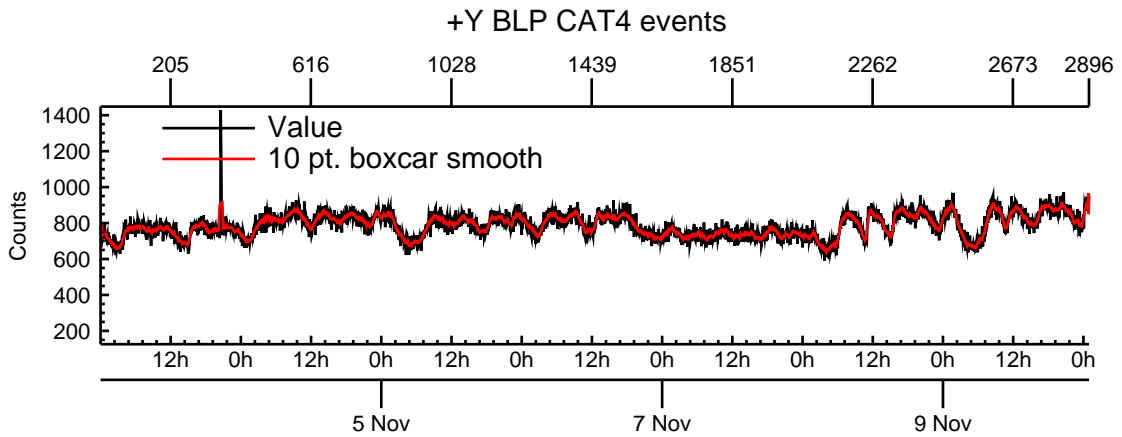
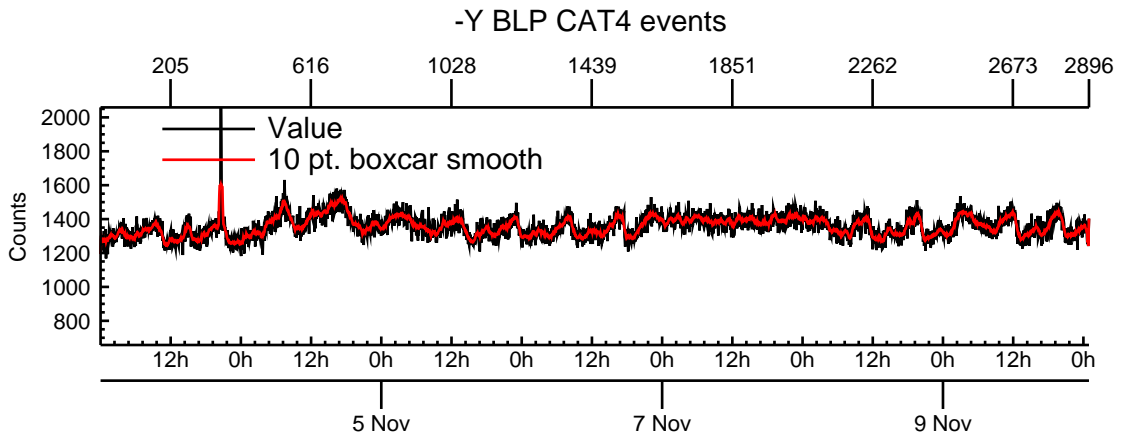
### GRD-L1A-111103-111110\_130628

- Number of science records: 2897  
0 missing science packets with 0 gaps.  
Start/End: 2011-11-03T00:01:50 to 2011-11-10T00:57:50
- Number of SOH records: 16387  
996 missing SOH packets with 2 gaps.  
Start/End: 2011-11-03T00:00:36 to 2011-11-10T00:59:36
- 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 = 1
- Instrument settings for first state (STATE\_INDEX 0):

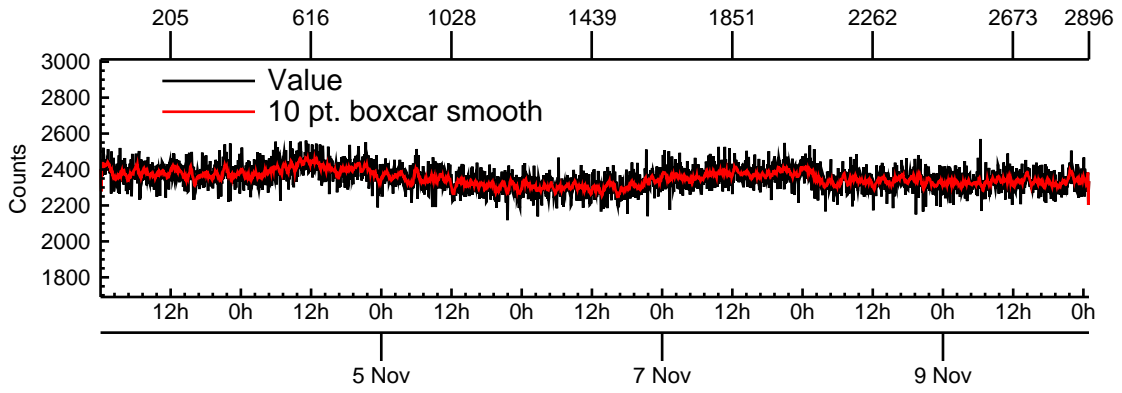
|                  |     |               |      |
|------------------|-----|---------------|------|
| TELREADOUT       | 210 | NEMG_TOT_EVTS | 3876 |
| TELSOH           | 35  | NEMG_CZT_EVTS | 3376 |
| MODE             | 1   | NEMN_TOT_EVTS | 2800 |
| HVPS1            | 1   | L_BGO_CW      | 1    |
| HVPS1_SET        | 180 | H_BGO_CW      | 64   |
| 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   |



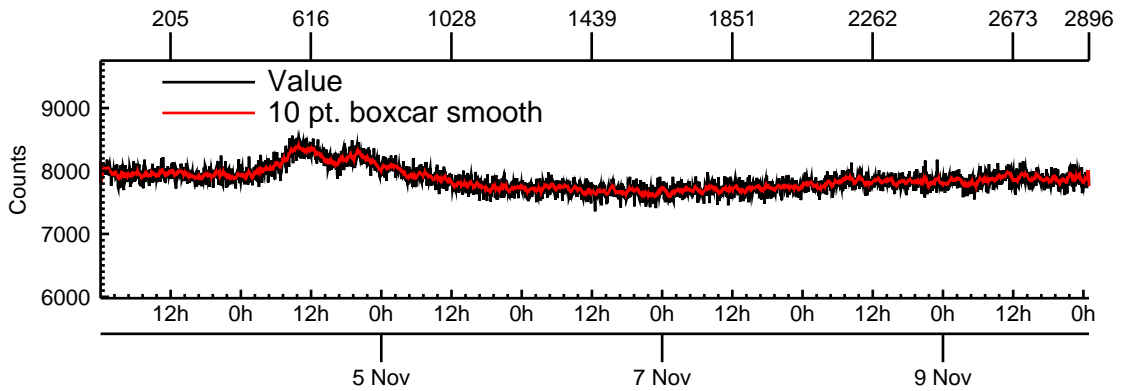




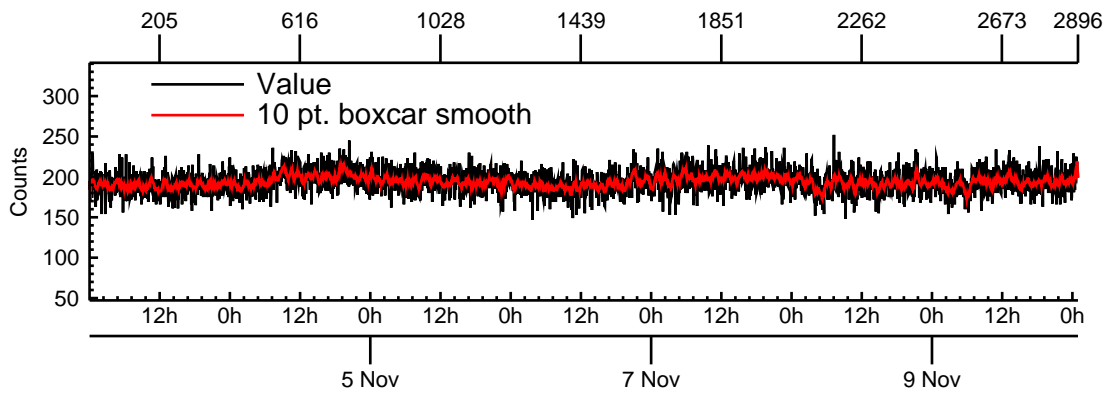
### Multiple-crystal CZT events



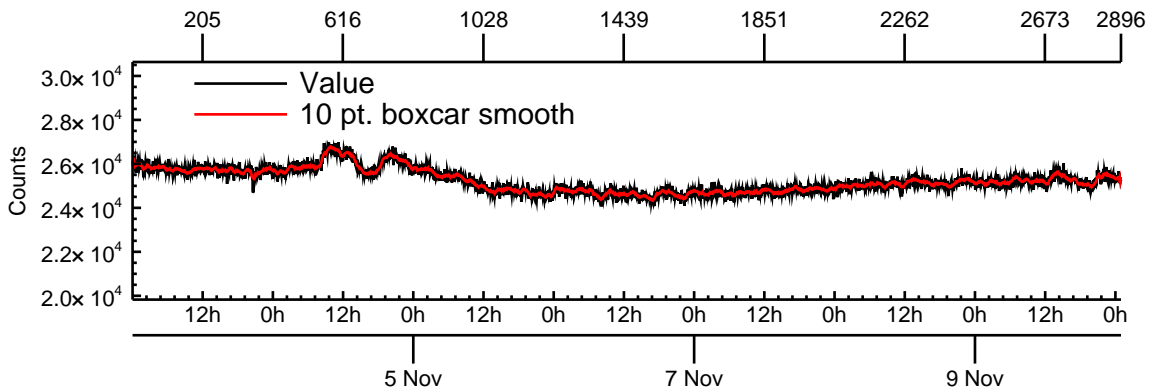
### Valid CZT events (CAT10)

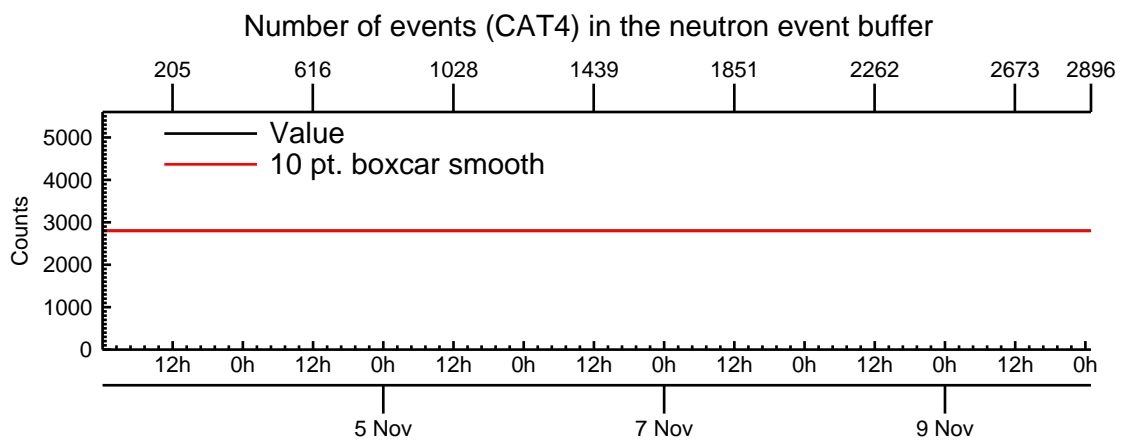
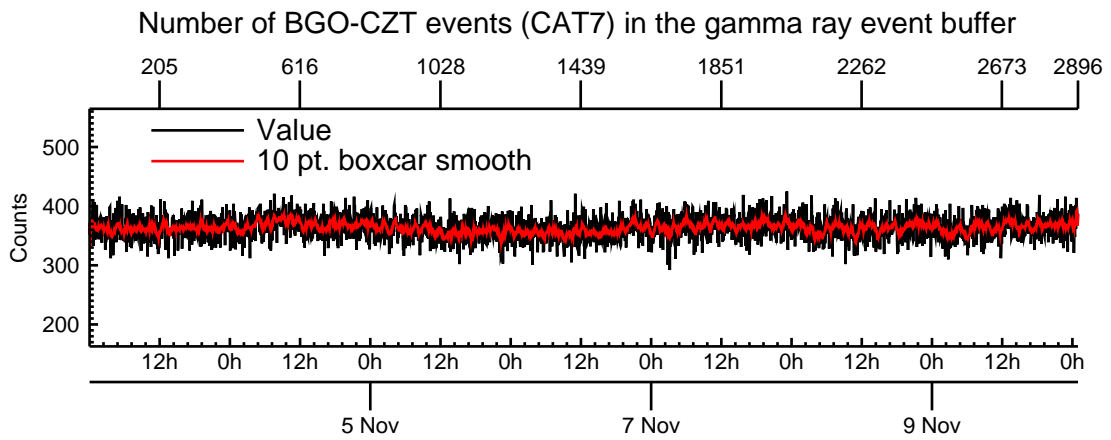
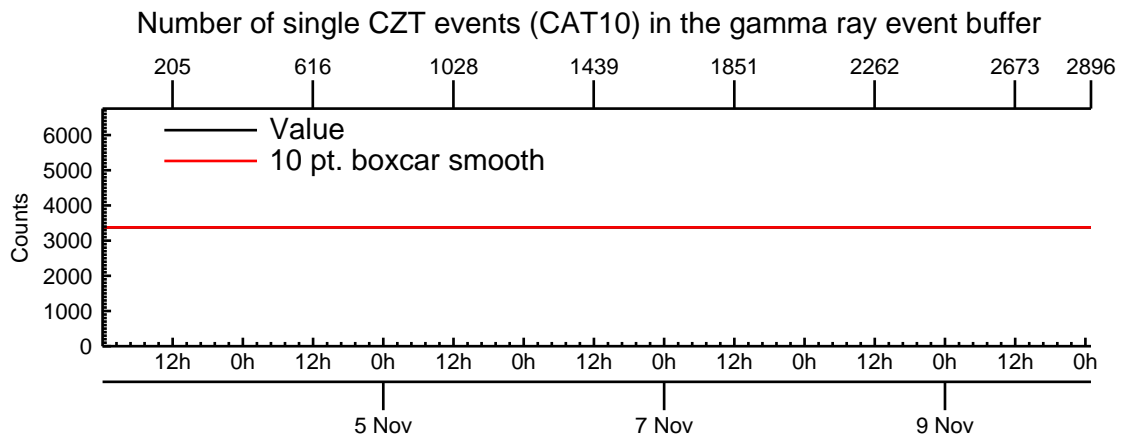
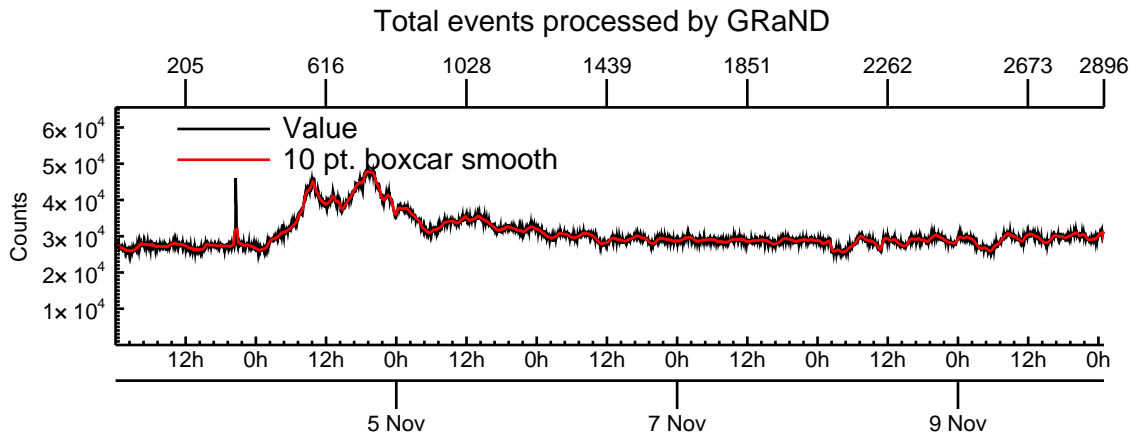


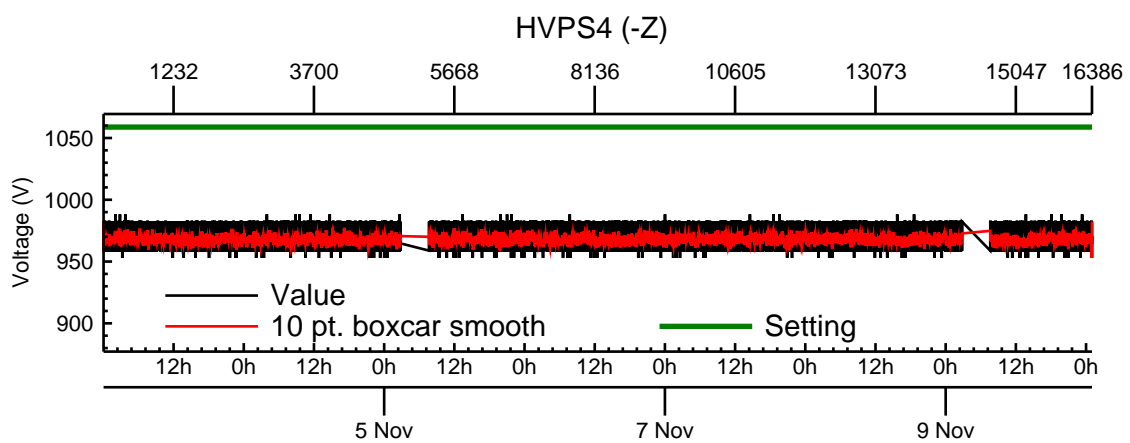
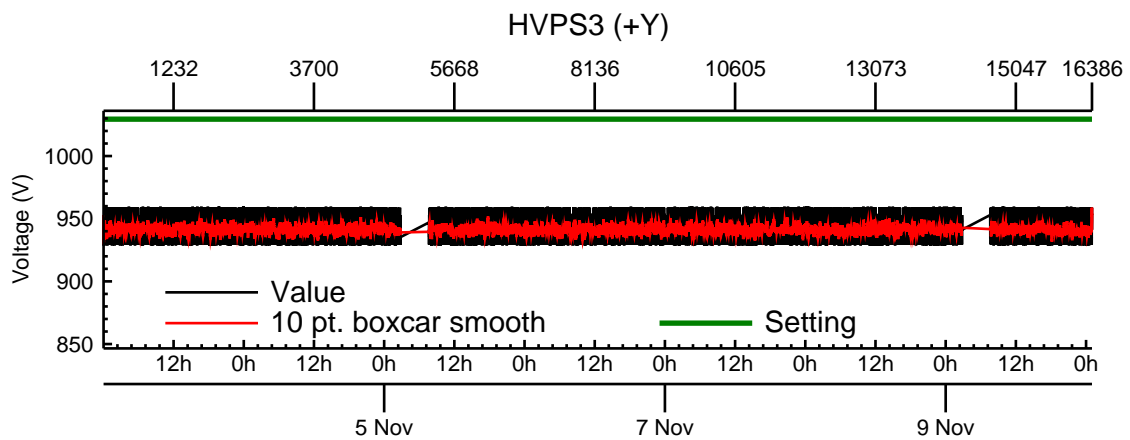
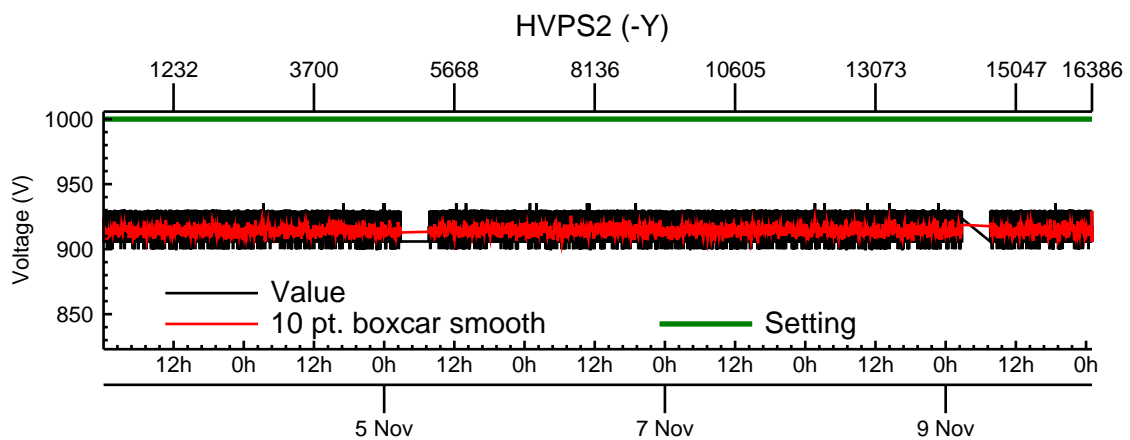
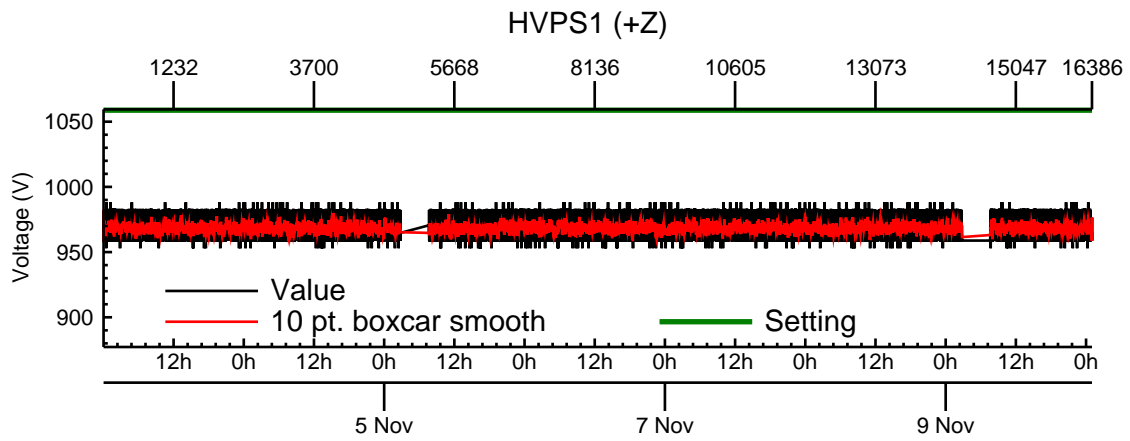
### Coincidence BGO and CZT events (CAT7)

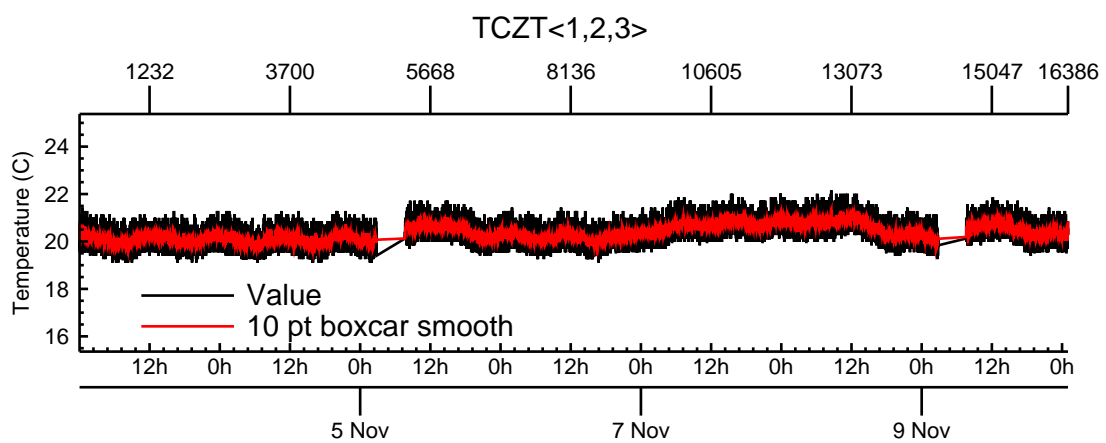
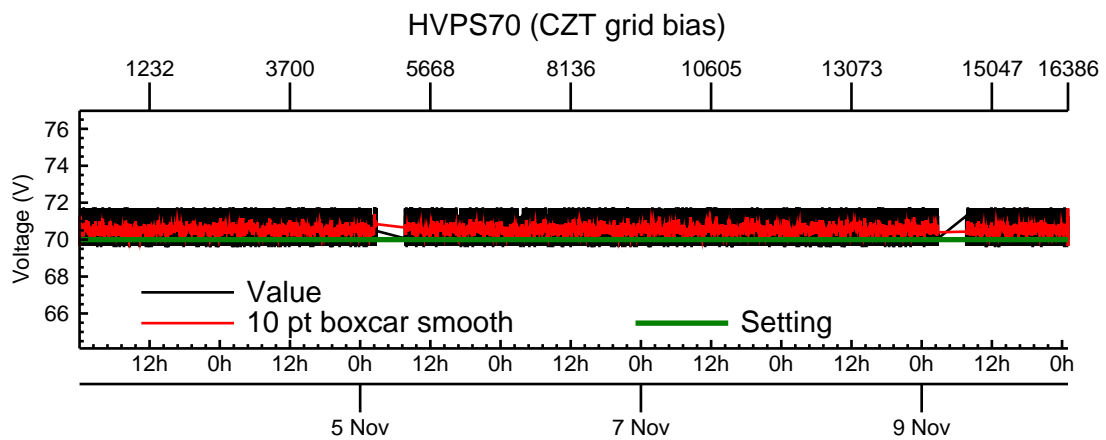
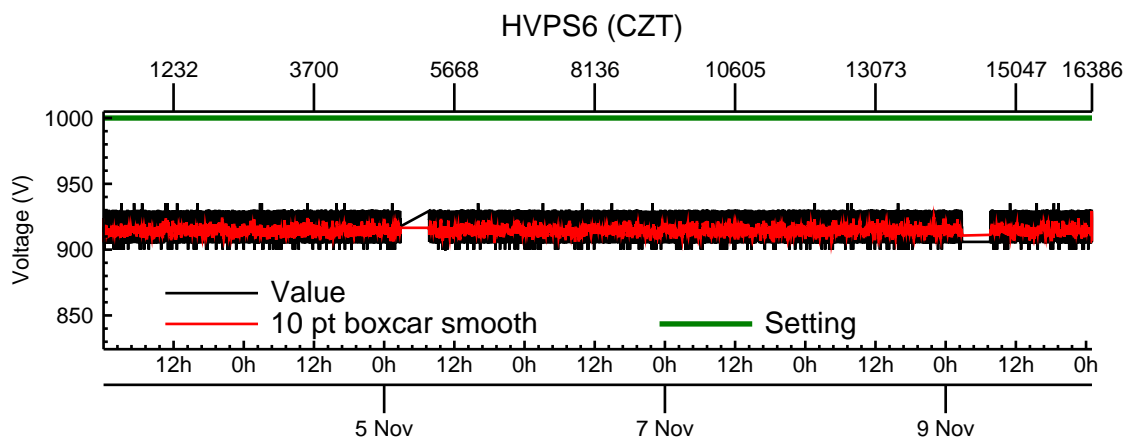
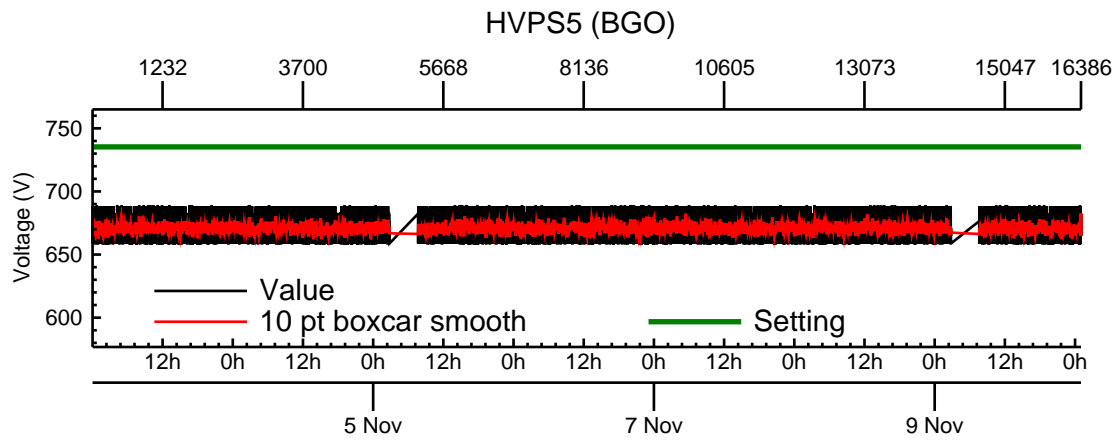


### Coincidence of three or more sensor elements

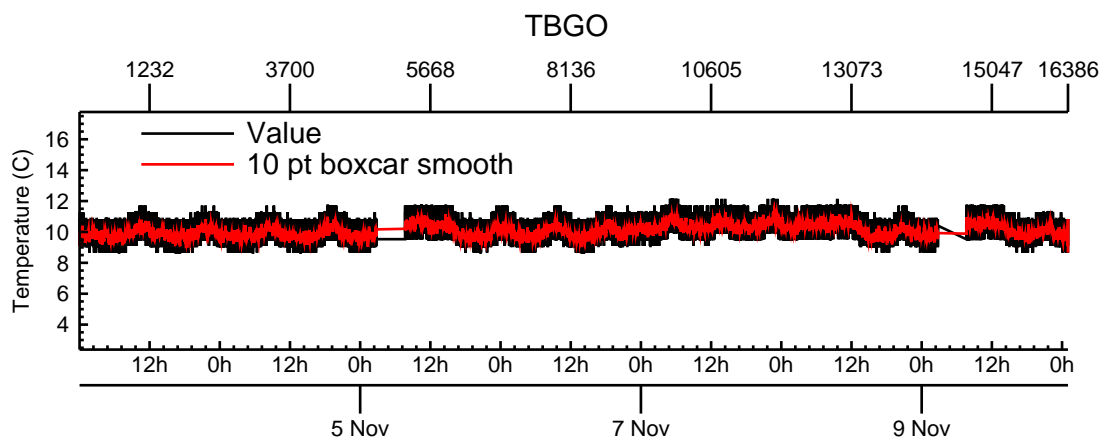
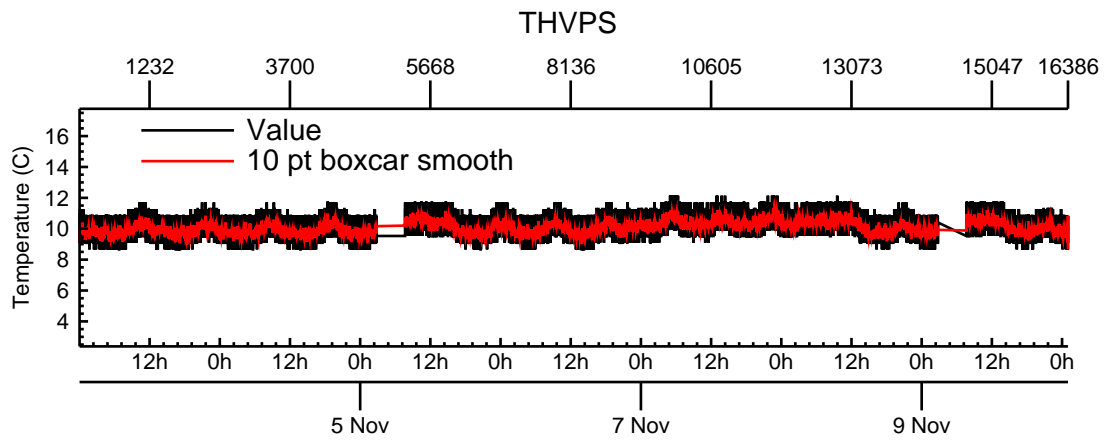
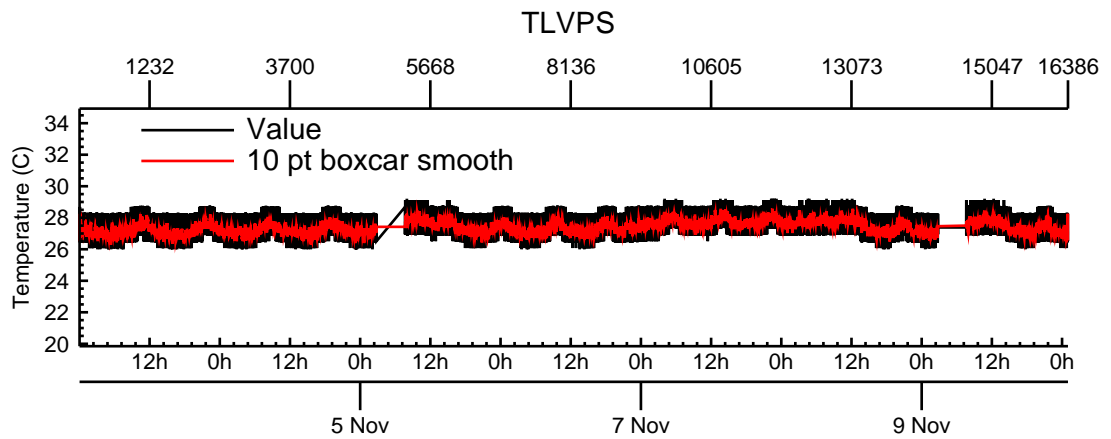
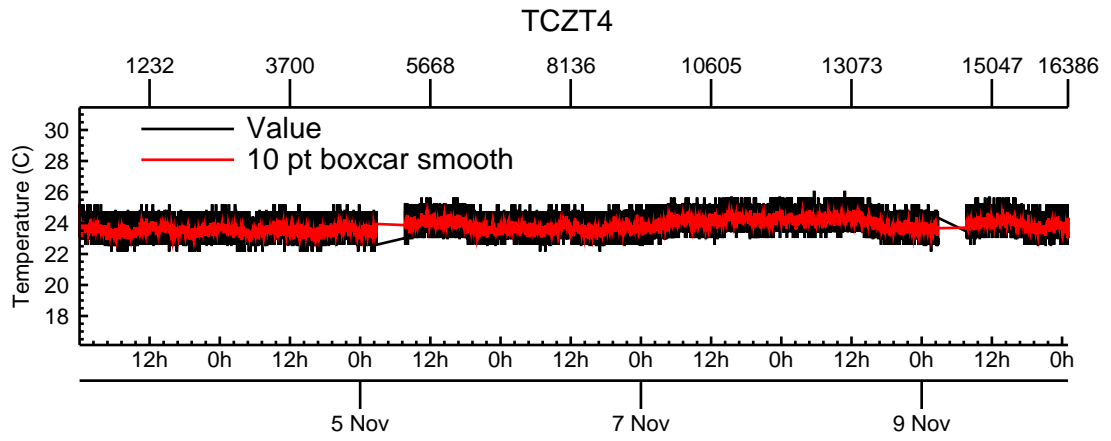


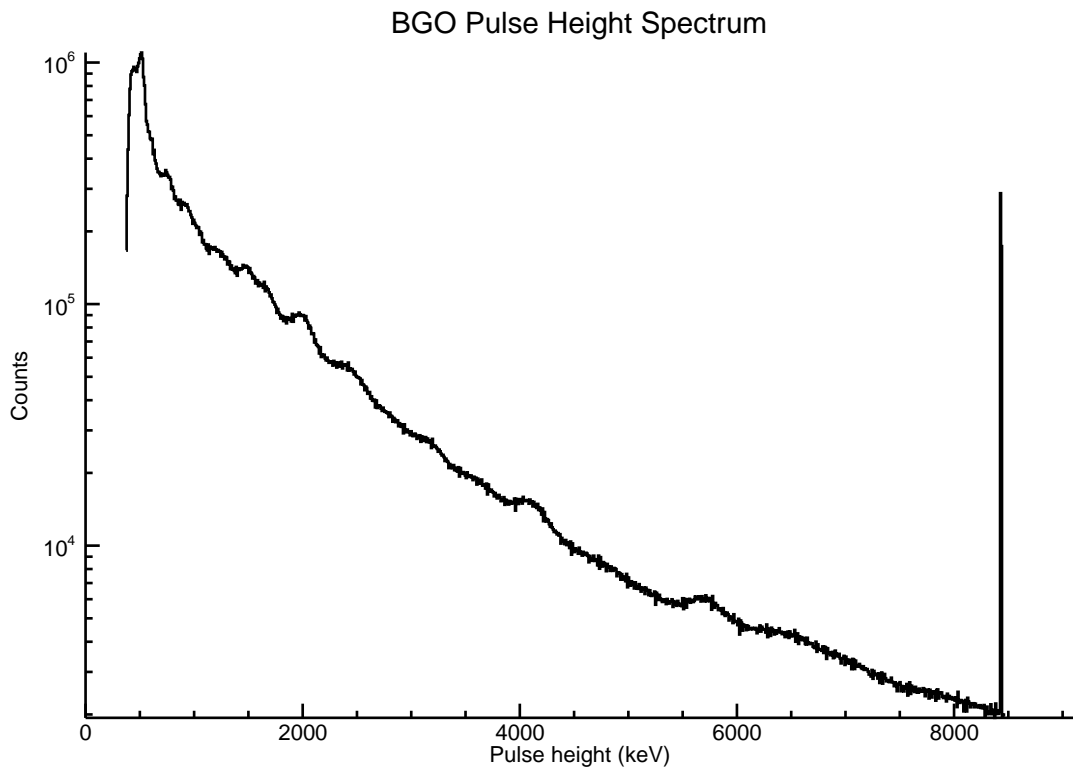
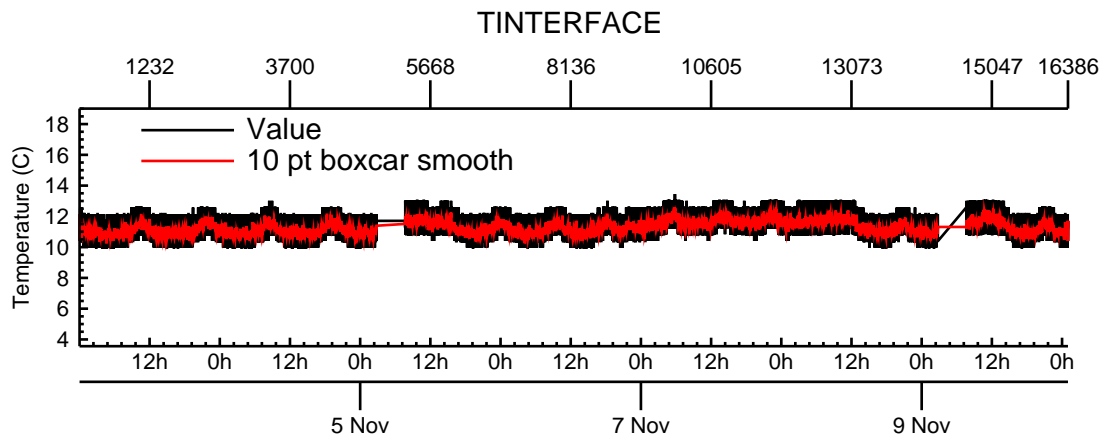
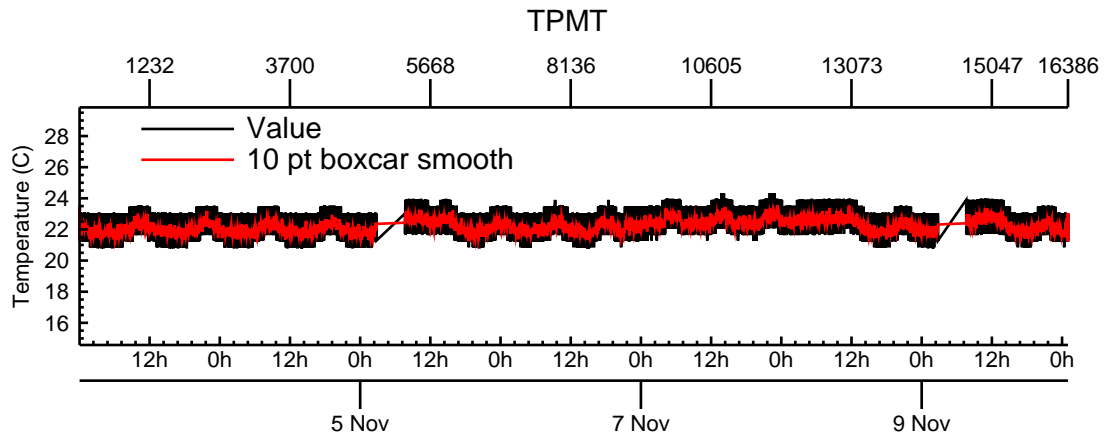




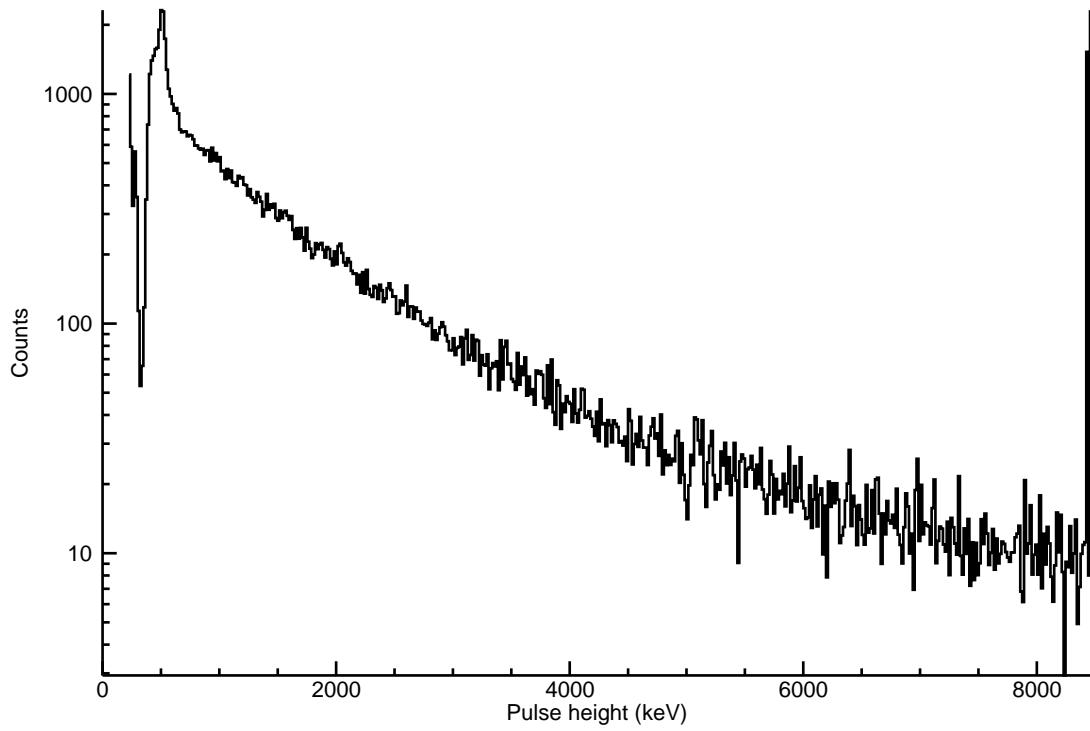




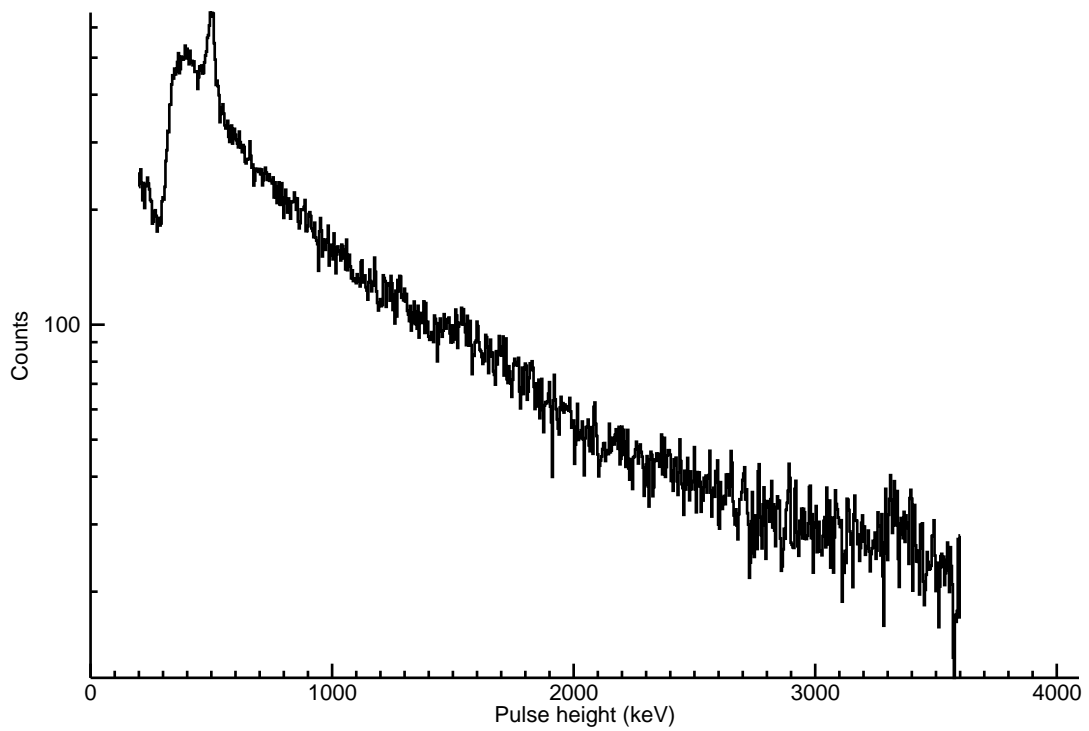




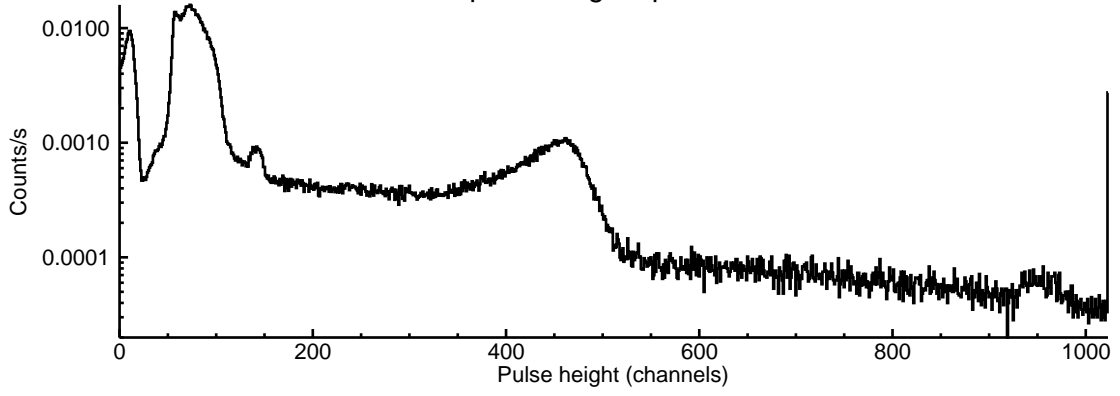
BGO-CZT pair spectrum: BGO



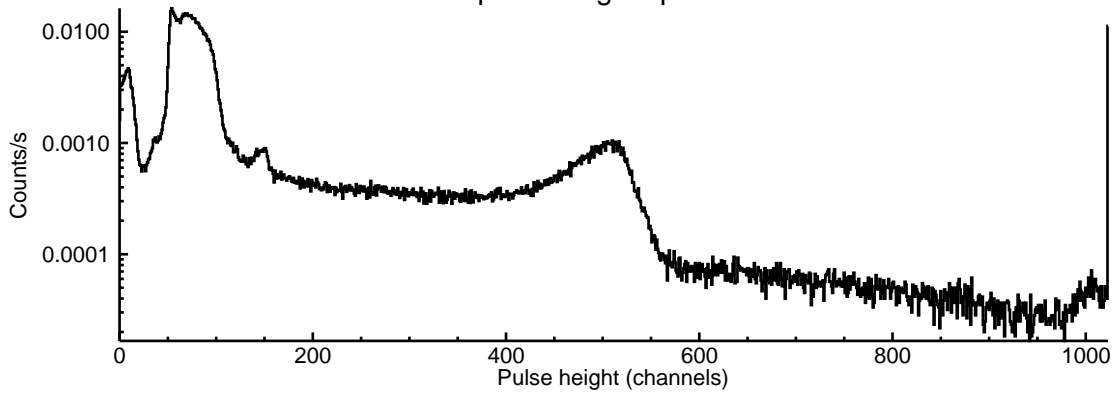
BGO-CZT pair spectrum: CZT



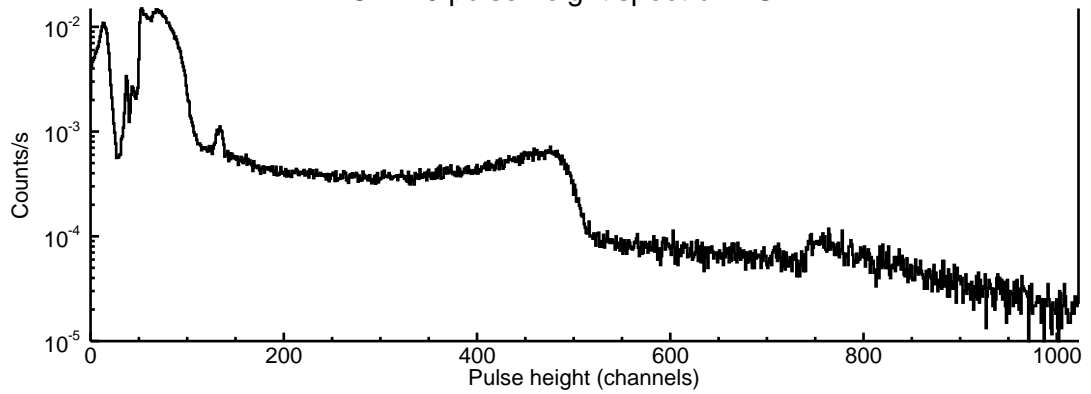
CAT10 pulse height spectrum: CZT11



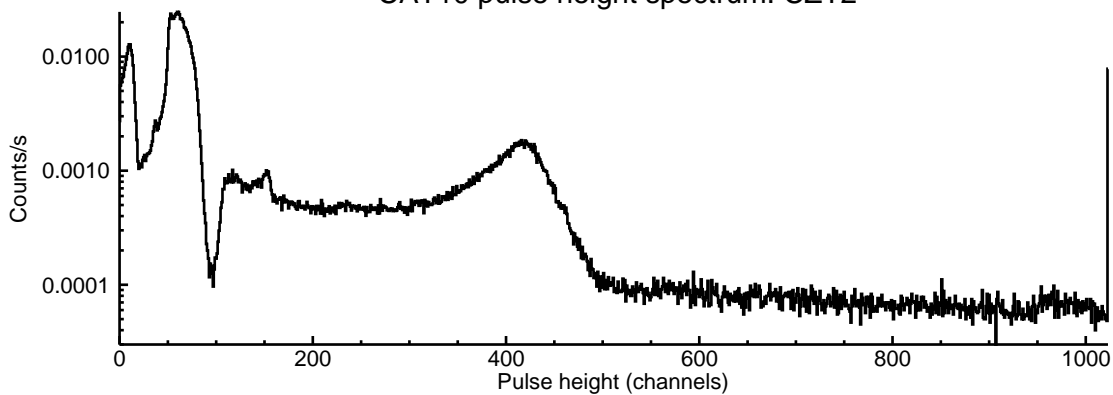
CAT10 pulse height spectrum: CZT3



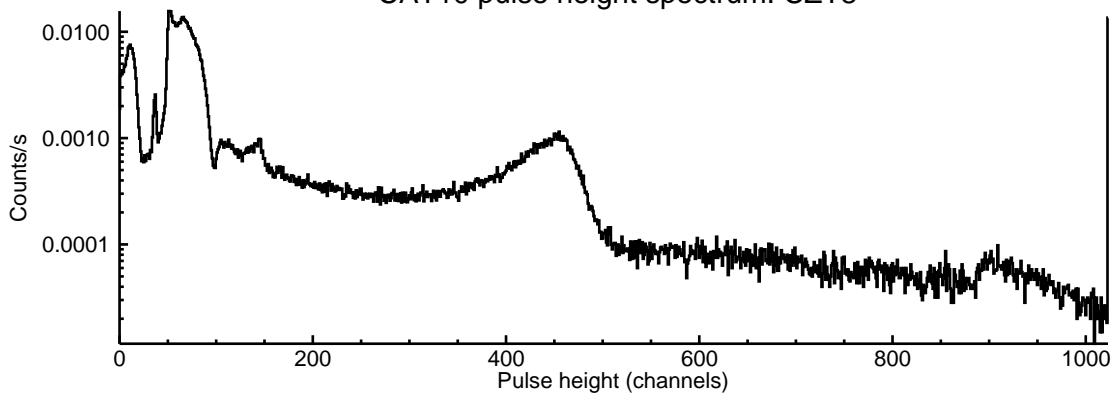
CAT10 pulse height spectrum: CZT1



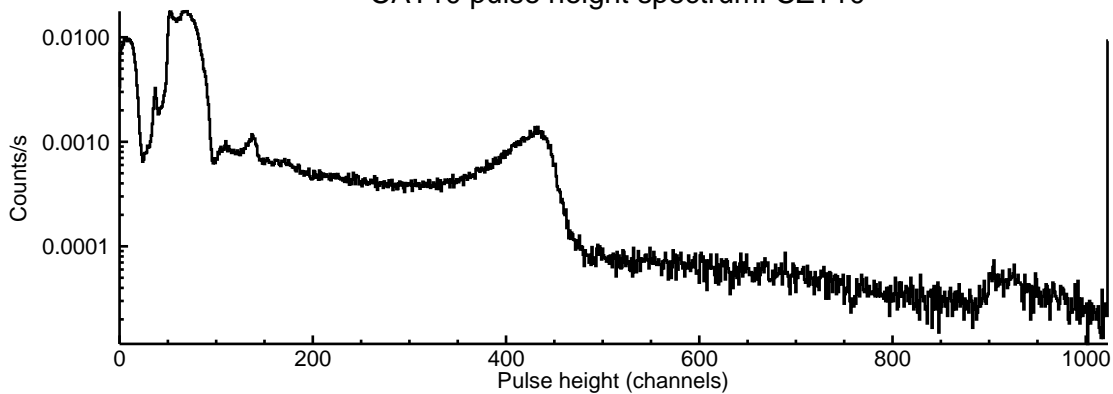
CAT10 pulse height spectrum: CZT2



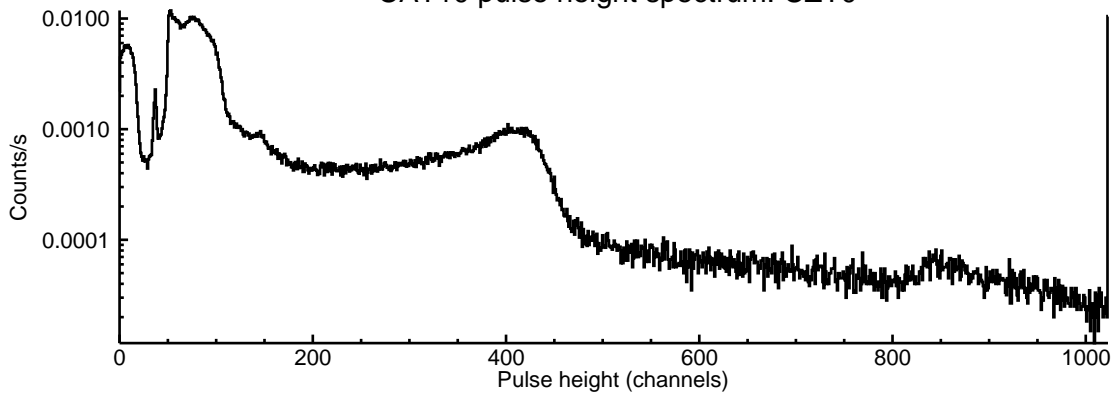
CAT10 pulse height spectrum: CZT8



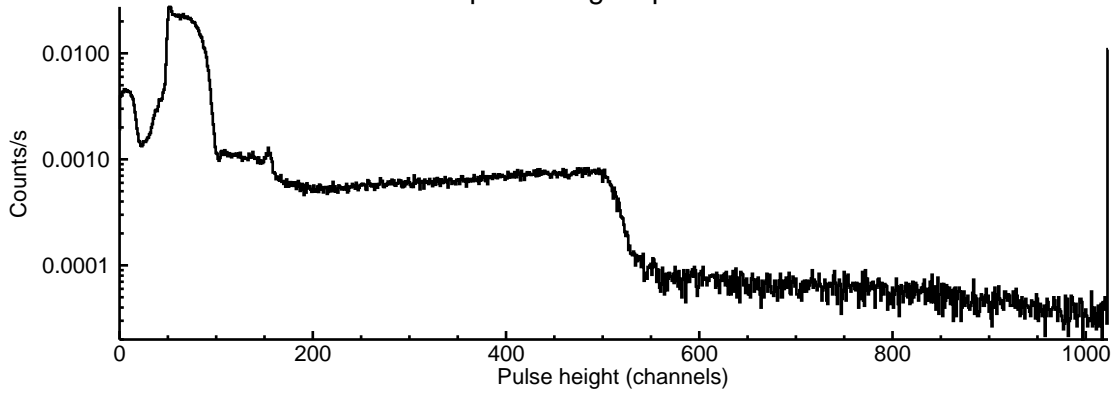
CAT10 pulse height spectrum: CZT10



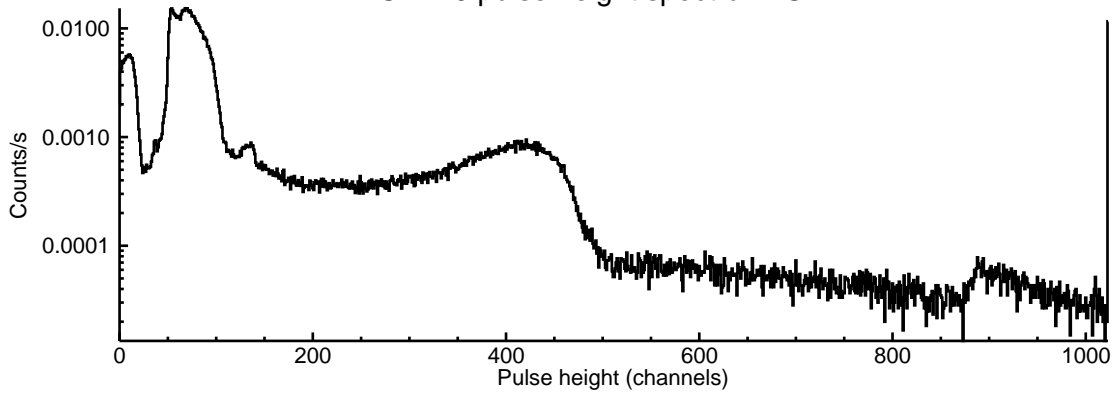
CAT10 pulse height spectrum: CZT0



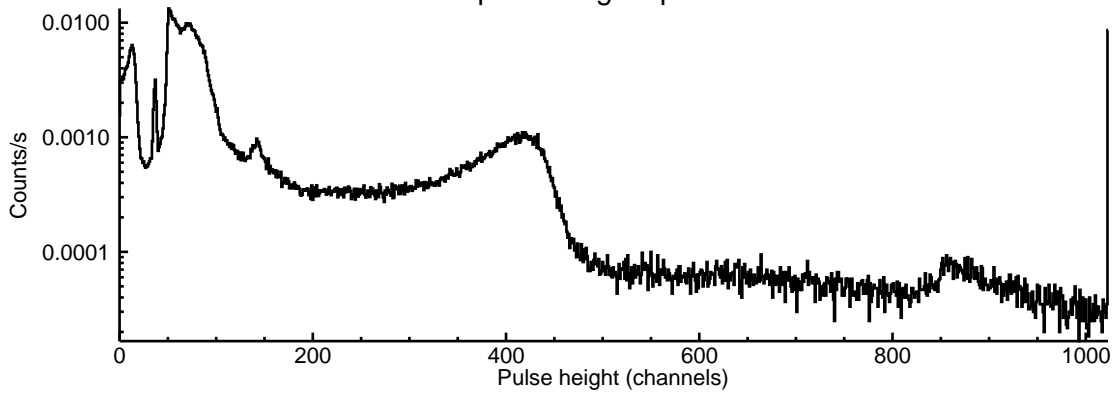
CAT10 pulse height spectrum: CZT15



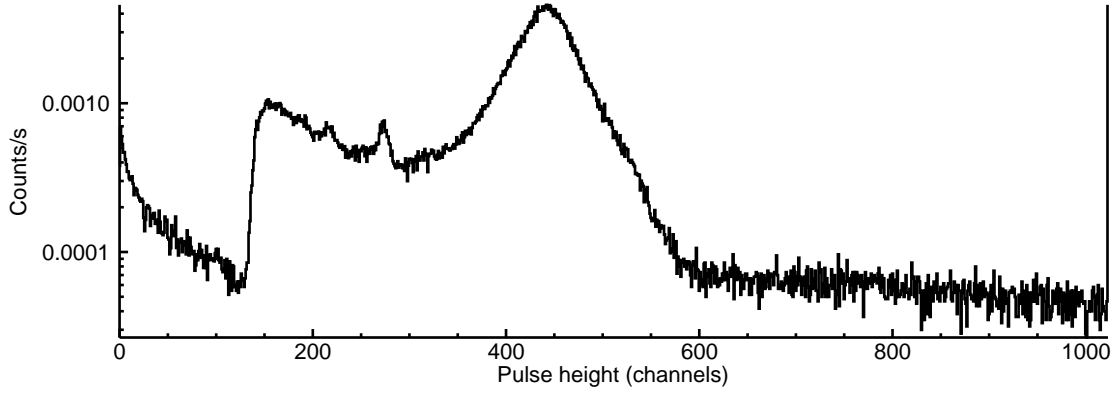
CAT10 pulse height spectrum: CZT7



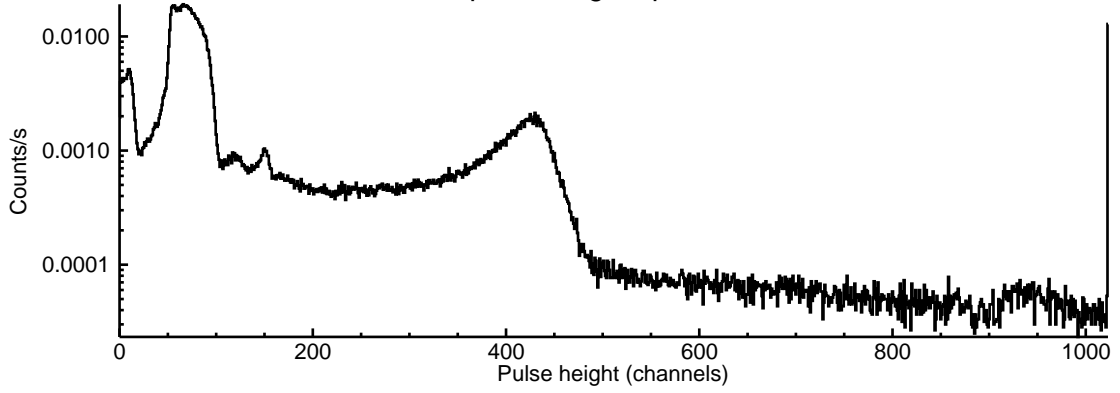
CAT10 pulse height spectrum: CZT5



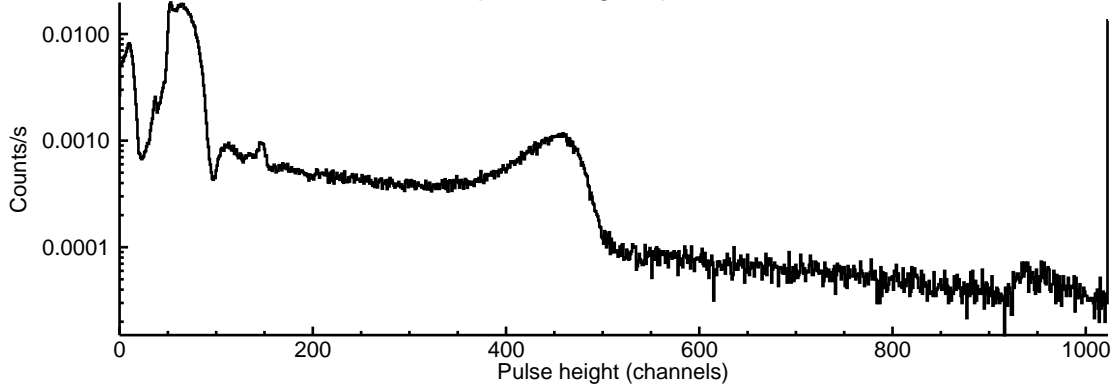
CAT10 pulse height spectrum: CZT6



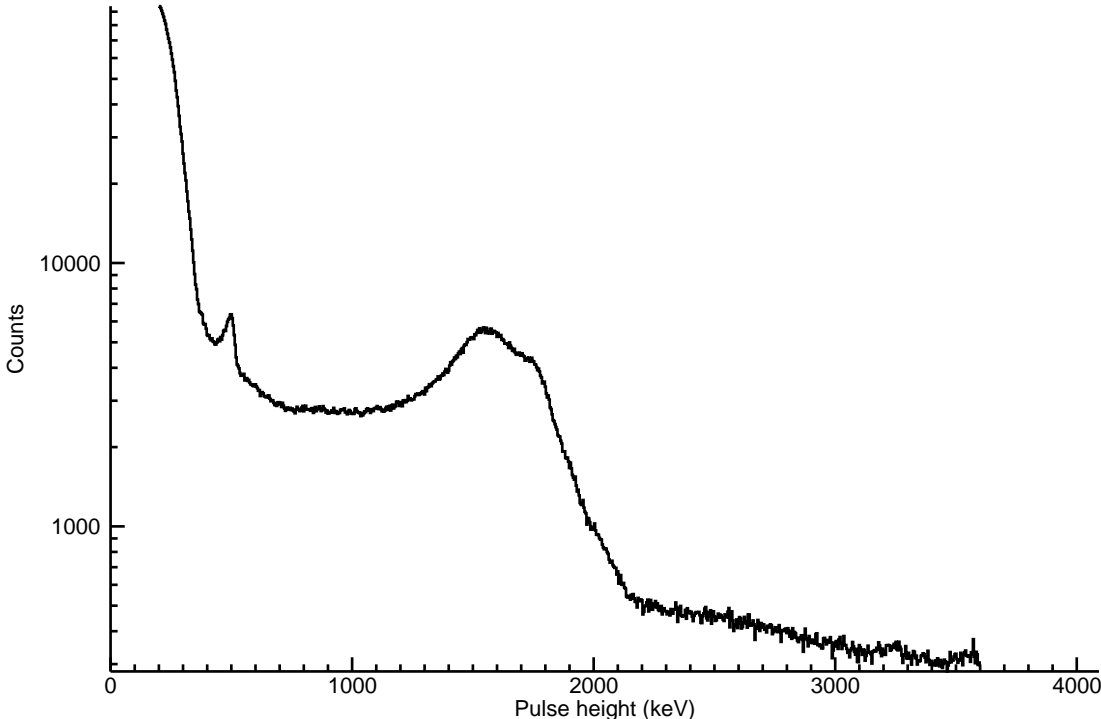
CAT10 pulse height spectrum: CZT14



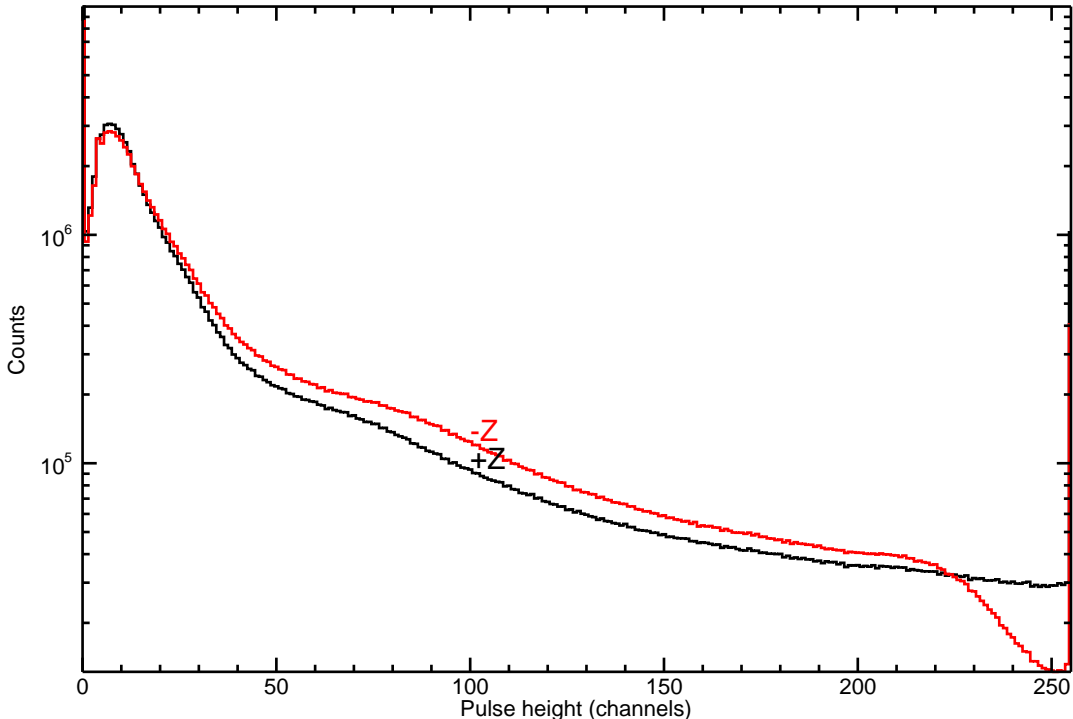
CAT10 pulse height spectrum: CZT4



CAT10 CZT composite

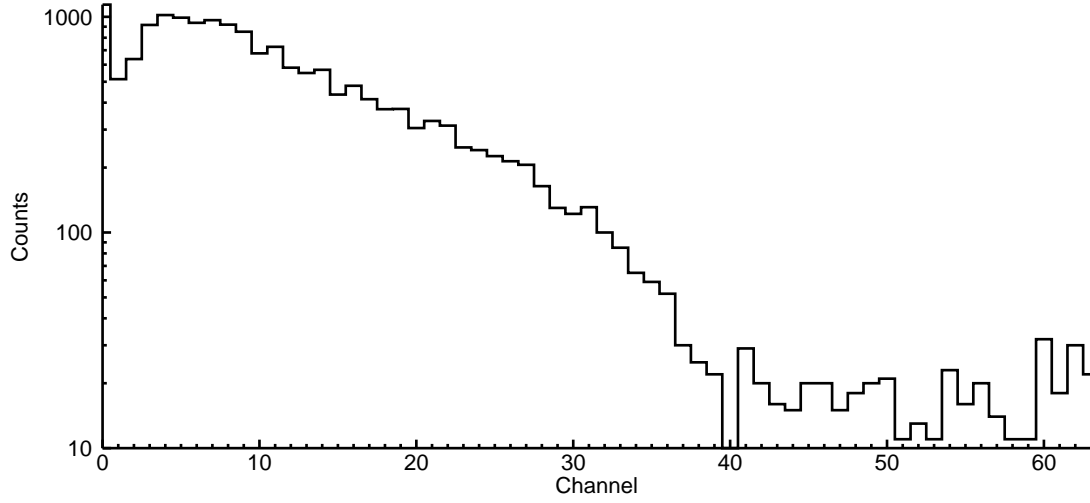


CAT1 histograms

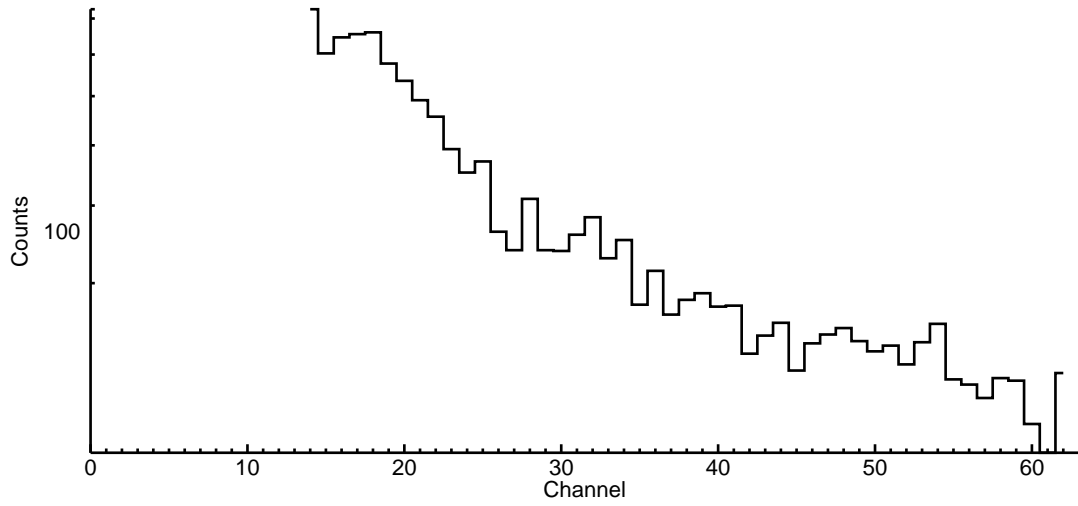




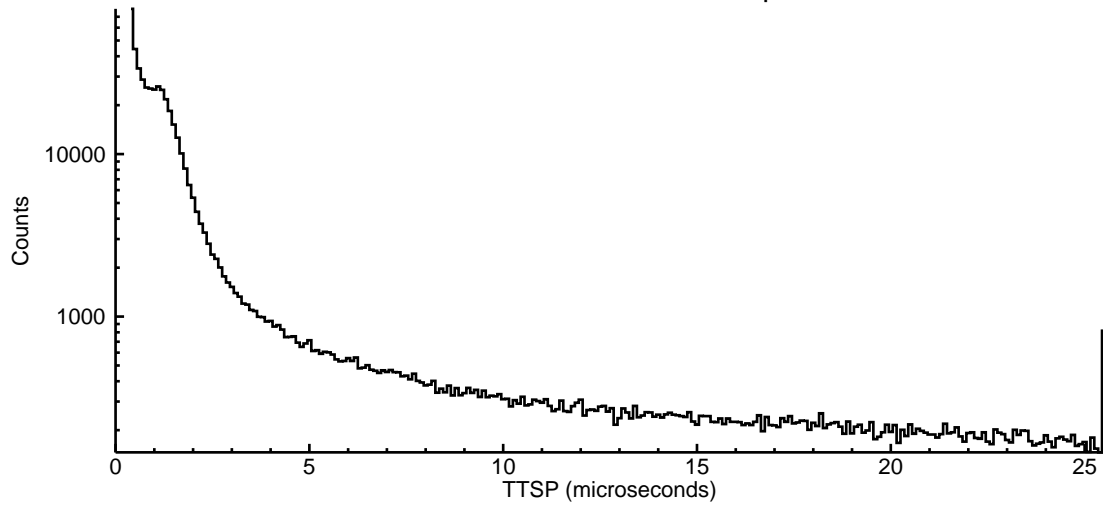
+Z BLP CAT4 first pulse



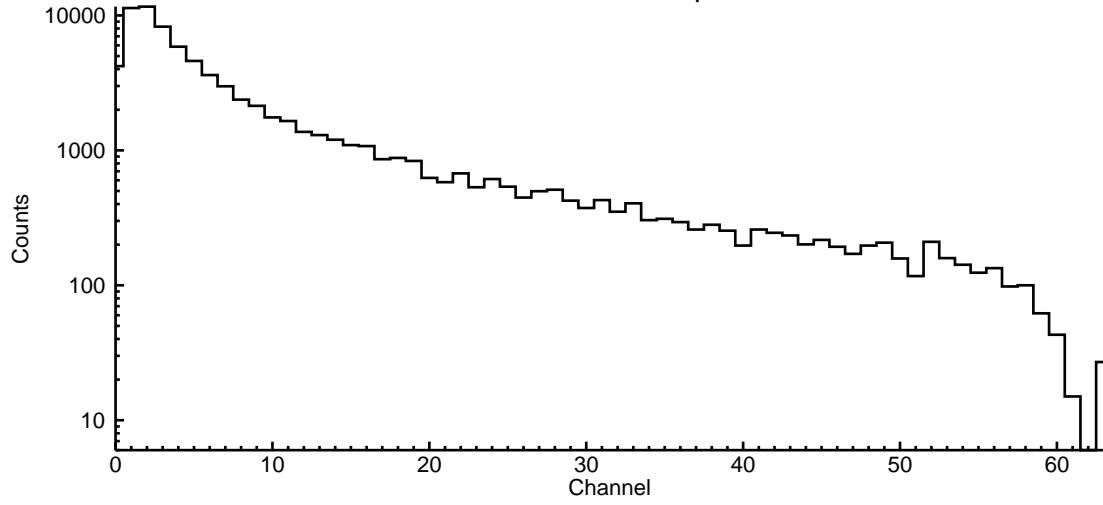
+Z BLP CAT4 second pulse



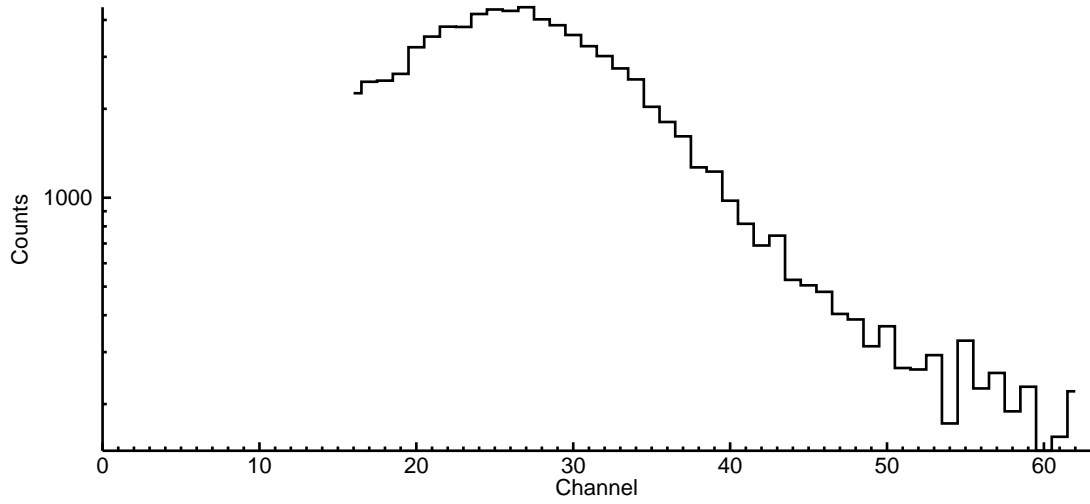
+Z BLP CAT4 time to second pulse



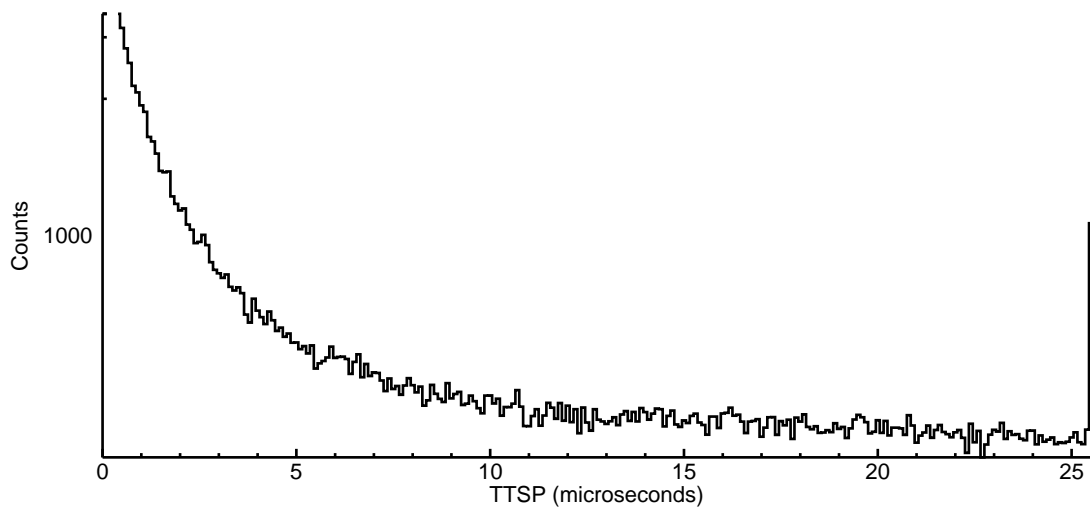
-Y BLP CAT4 first pulse



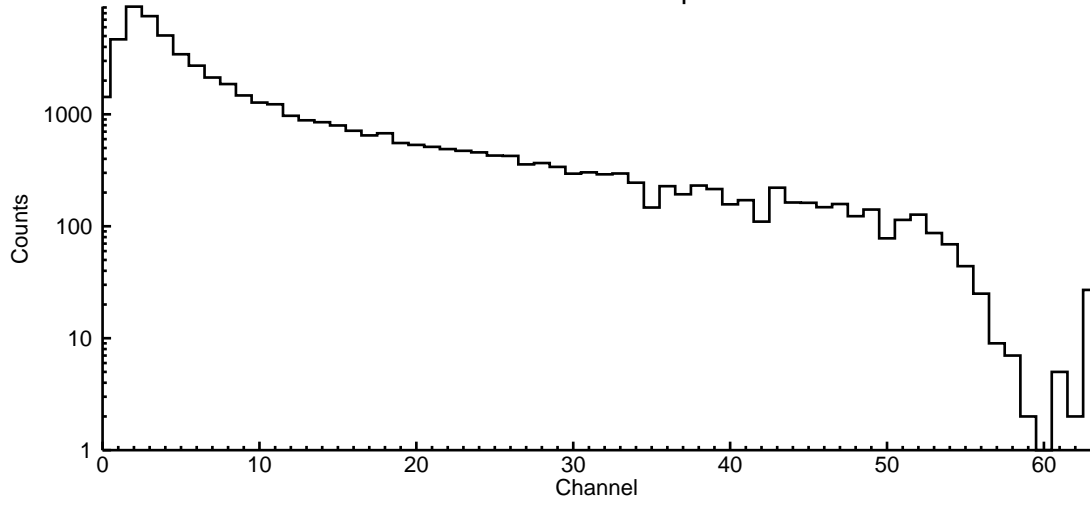
-Y BLP CAT4 second pulse



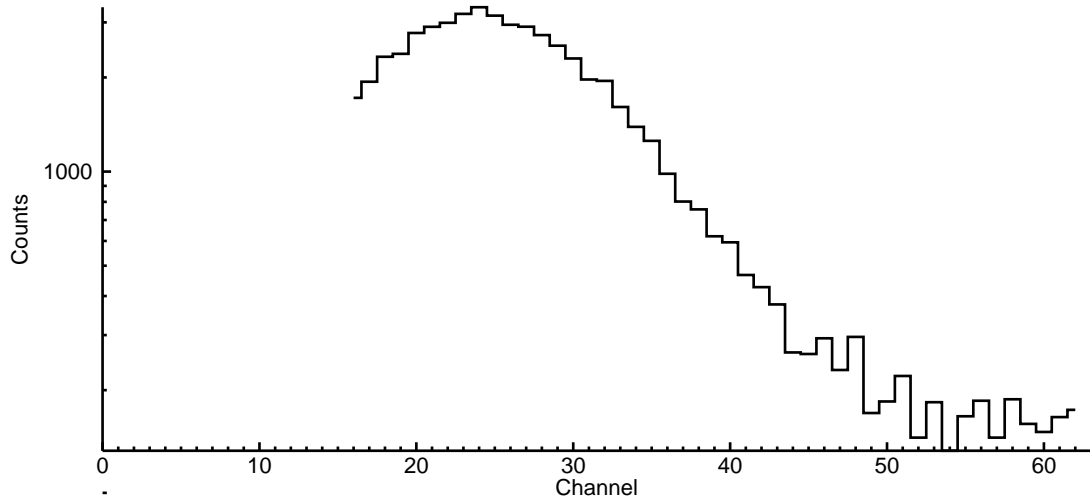
-Y BLP CAT4 time to second pulse



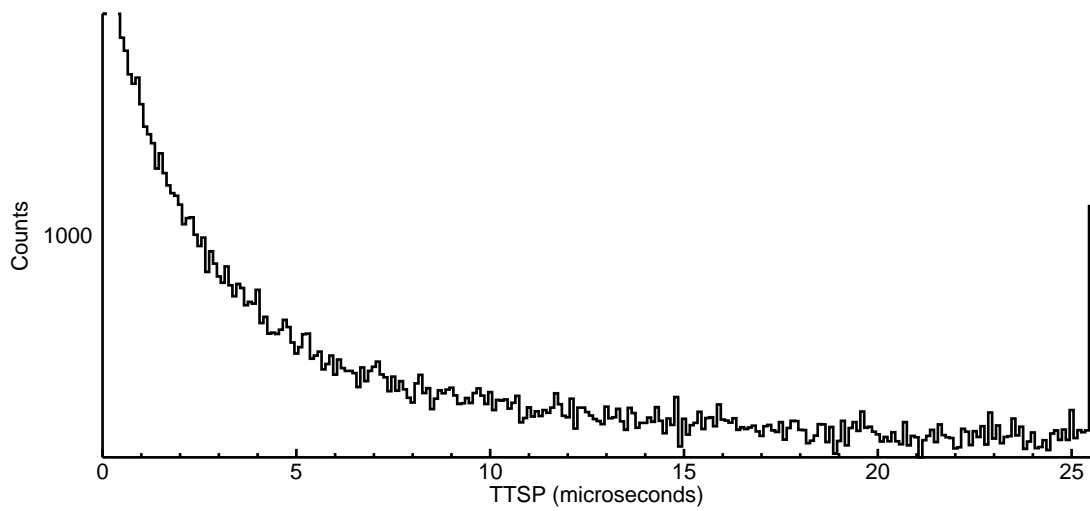
+Y BLP CAT4 first pulse



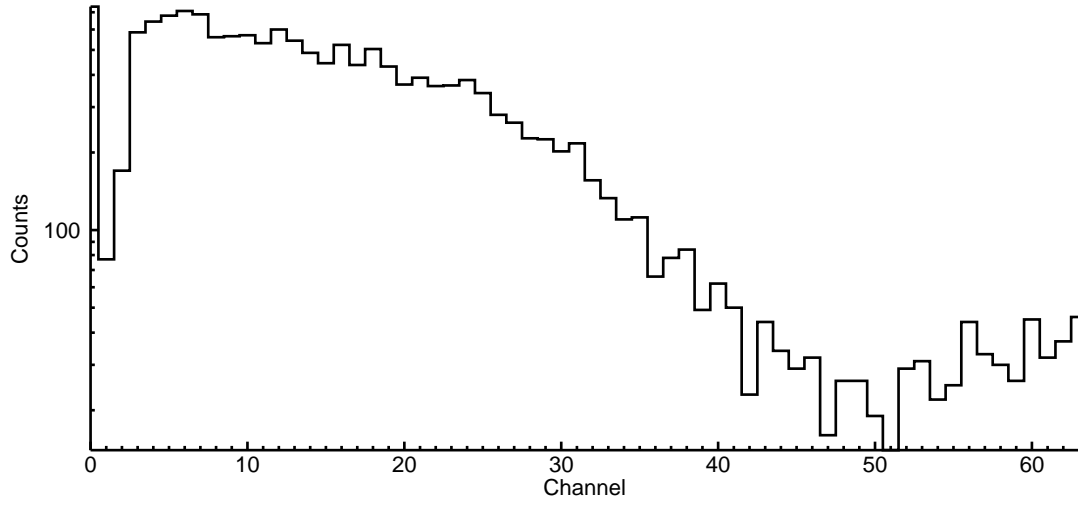
+Y BLP CAT4 second pulse



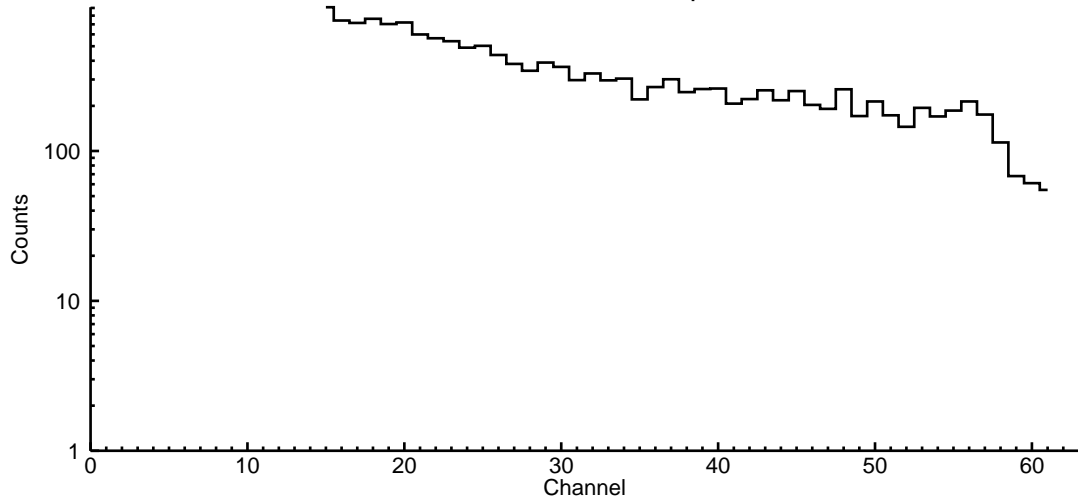
+Y BLP CAT4 time to second pulse



-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

