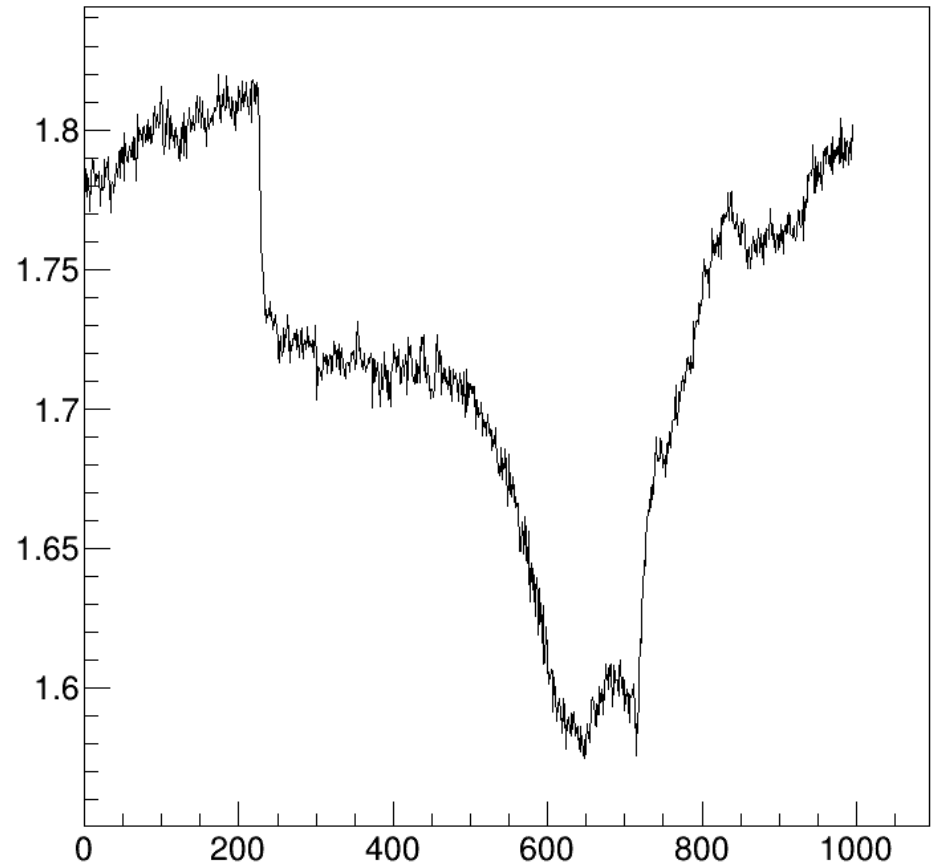
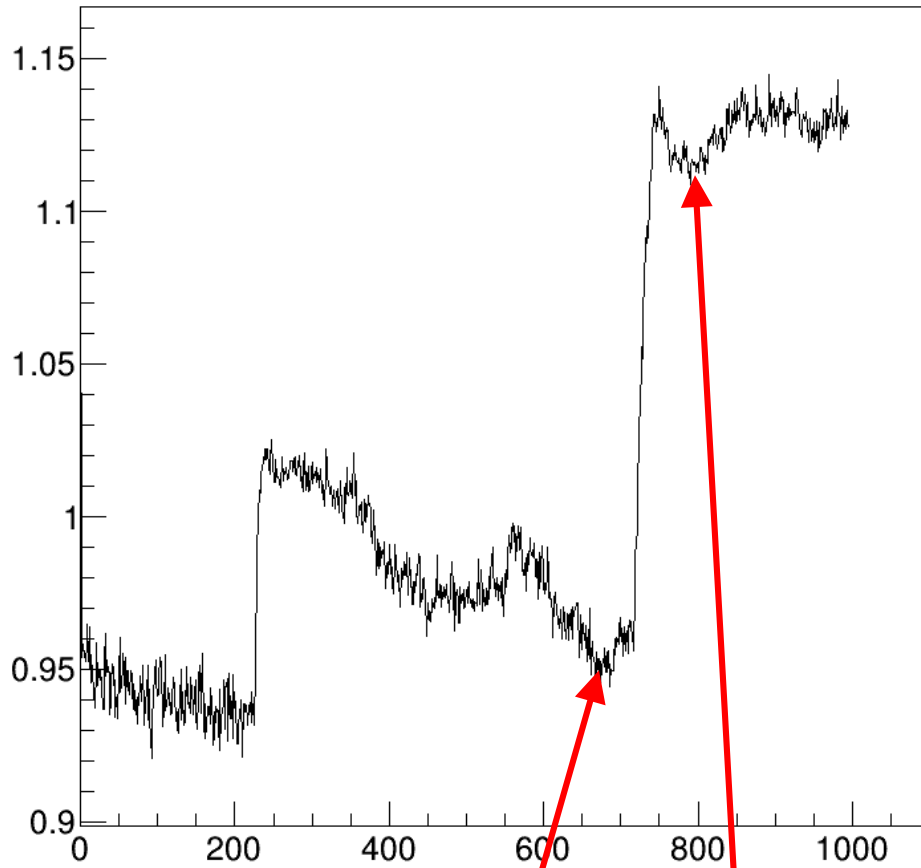
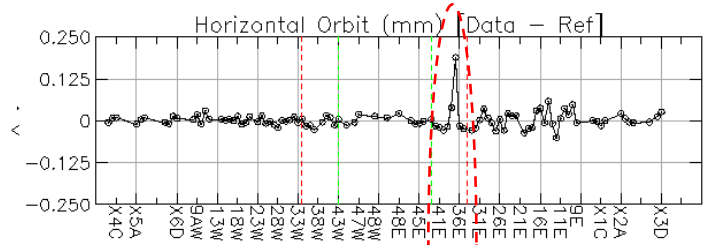


Drifting Coordinates and excluded BPMs in orbit history analyses

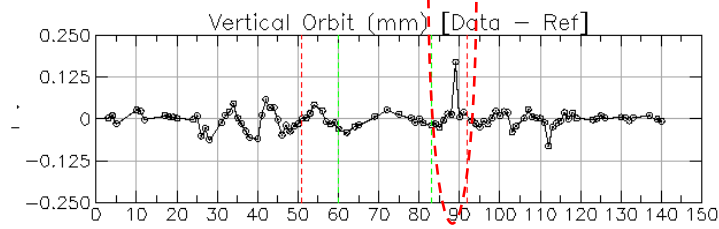


Data: 2023-11-16 16:13:59 t1b1: e+, cern=123.58
 Ref: 2023-11-16 13:22:52 t1b1: e+, cern=124.55

Ref Orbit
 Orbit



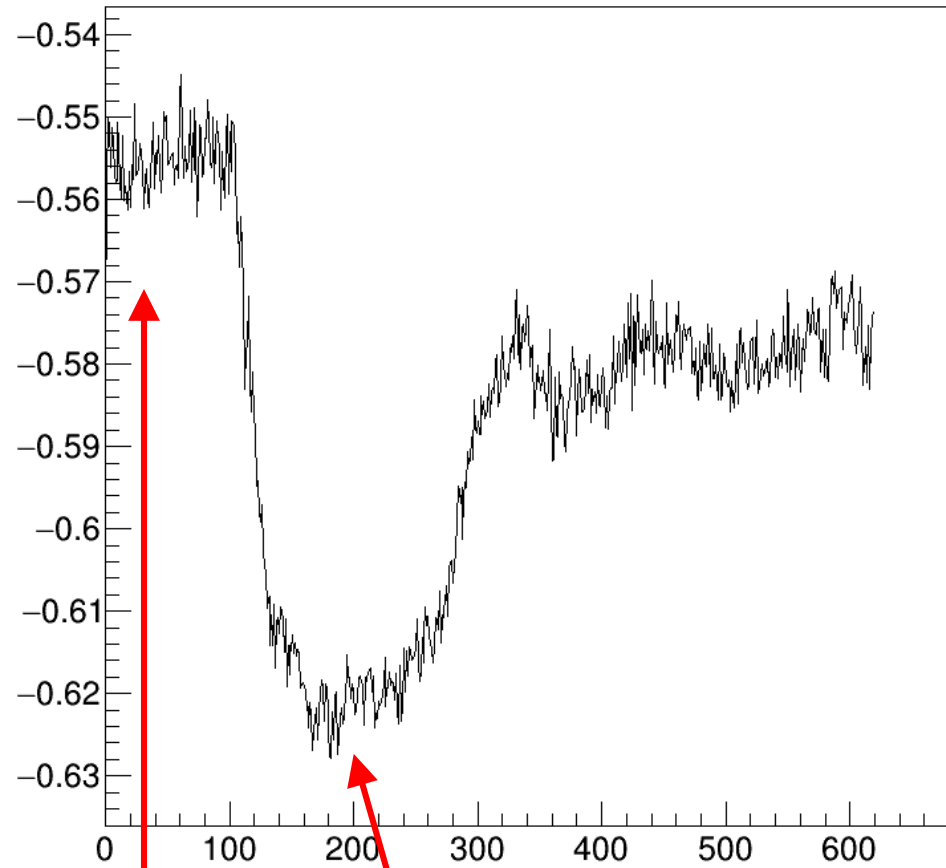
16-Nov-23 16:14:08
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1876678
 Ref: butns.1876528
 CESR Set: 169609
 Species: Positron
 RMS = 0.026
 Average = 0.002



RMS = 0.029
 Average = -0.003

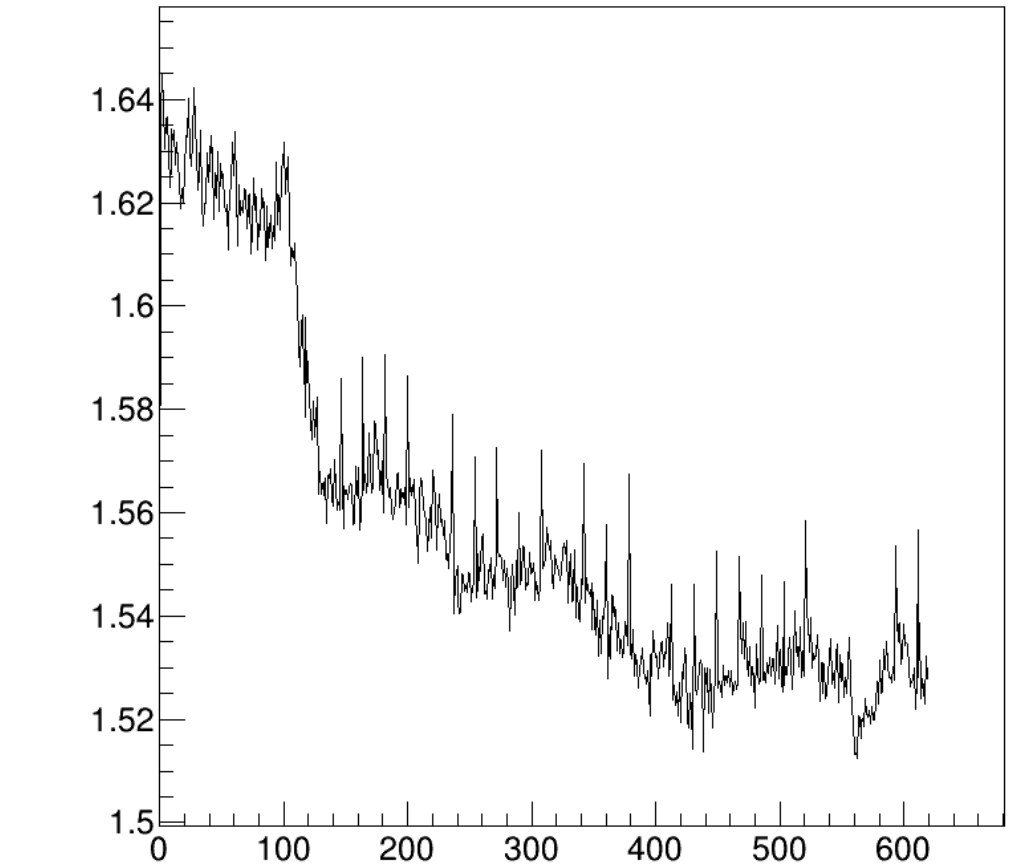
Horiz coord vs orbit nr BPm:41, 41W, 1876828-1877450.gif

Vert coord vs orbit nr BPm:41, 41W, 1876828-1877450.gif

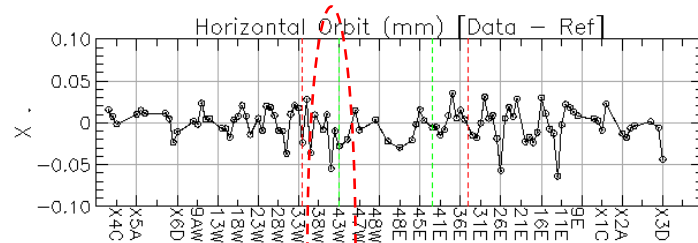


Ref Orbit

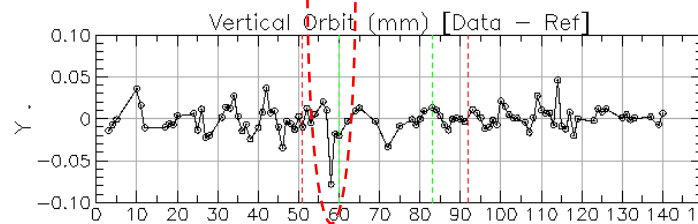
Orbit



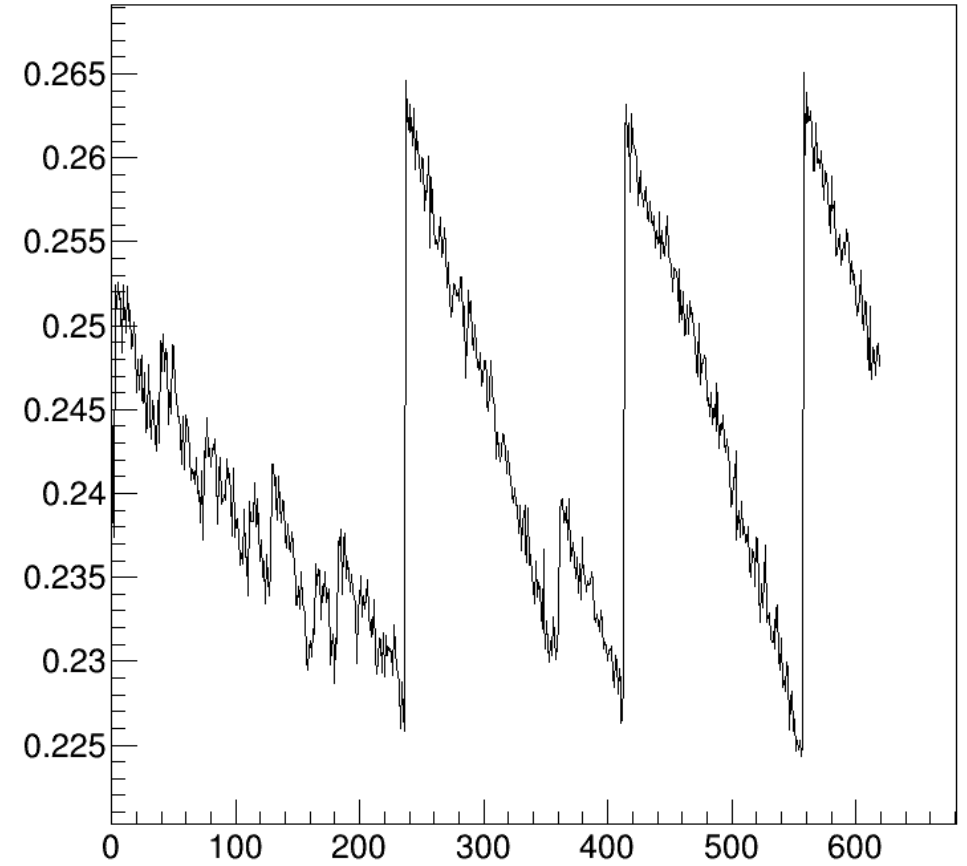
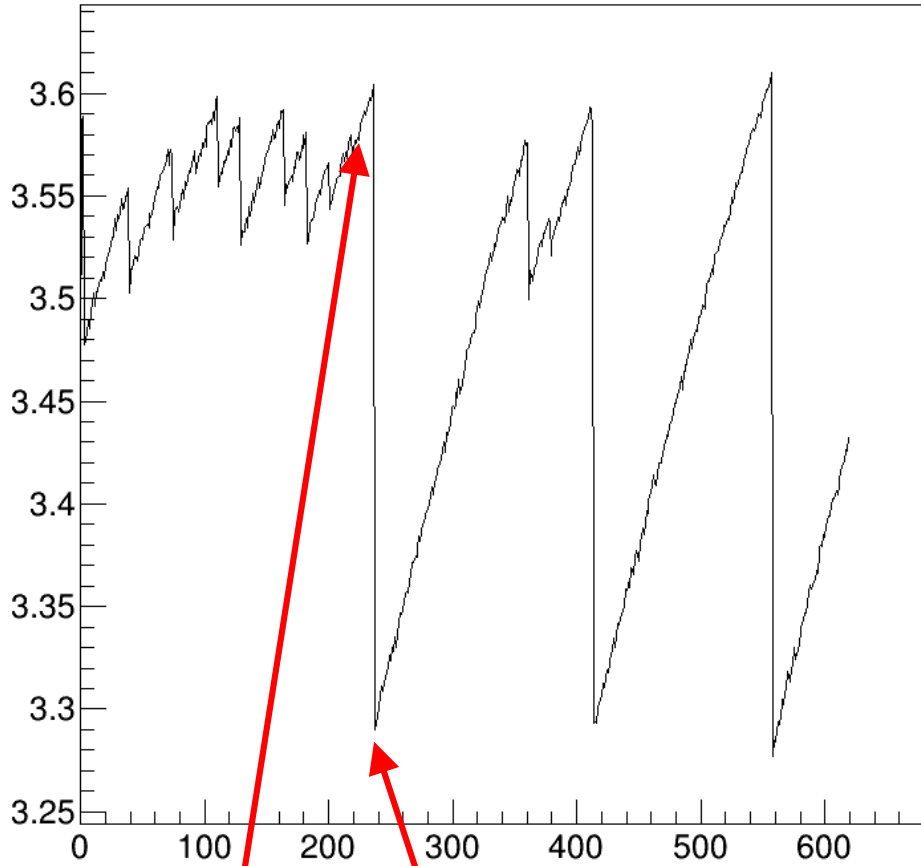
Data: 2023-11-16 22:53:48 t1b1: e+, cern=125.12
 Ref: 2023-11-16 19:05:40 t1b1: e+, cern=122.50



16-Nov-23 22:53:56
 CHESS-U_6000MEV_20190904_NEV
 Dat: butns.1877028
 Ref: butns.1876828
 CESR Set: 169610
 Species: Positron
 RMS = 0.019
 Average = -0.002



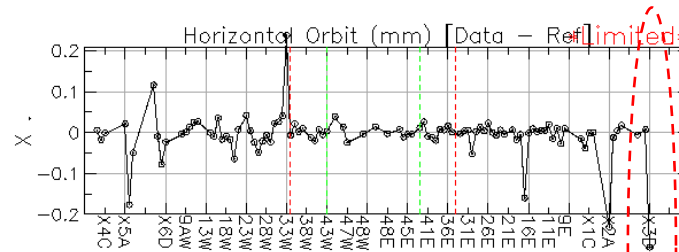
RMS = 0.016
 Average = -0.001



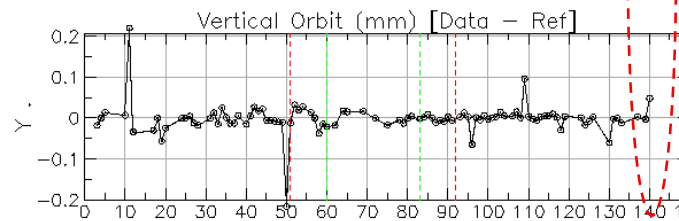
Data: 2023-11-16 23:34:53 t1b1: e+, cern=125.08
 Ref: 2023-11-16 23:33:44 t1b1: e+, cern=122.27

Ref Orbit

Orbit



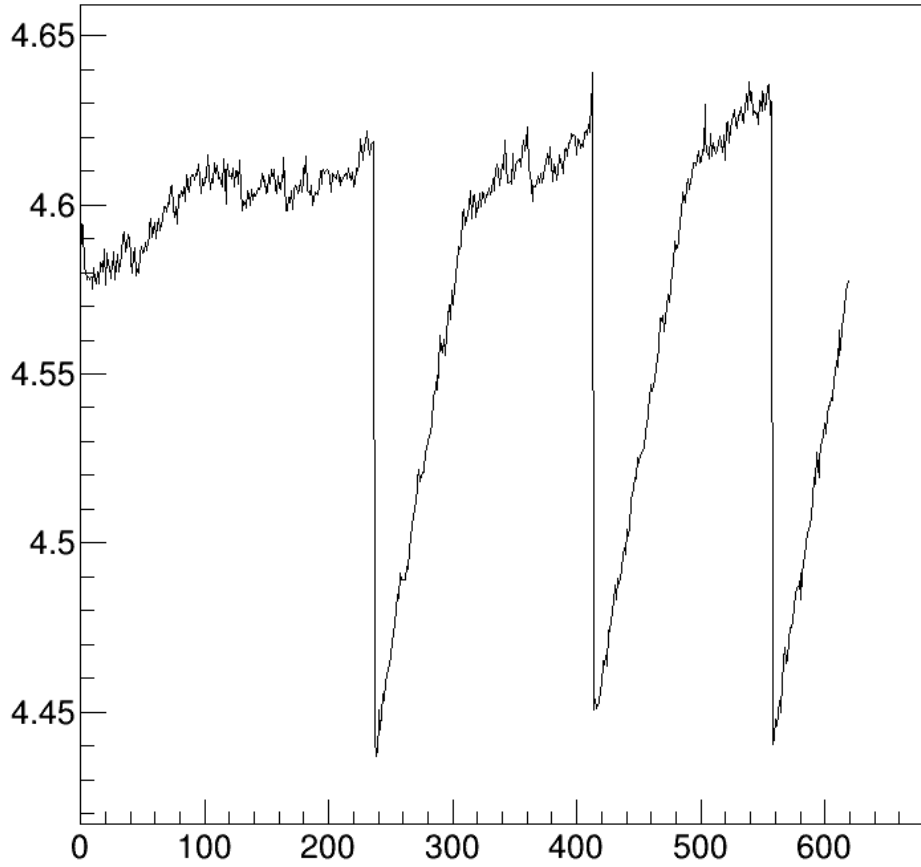
16-Nov-23 23:35:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1877064
 Ref: butns.1877063
 CESR Set: 169610
 Species: Positron
 RMS = 0.057
 Average = -0.008



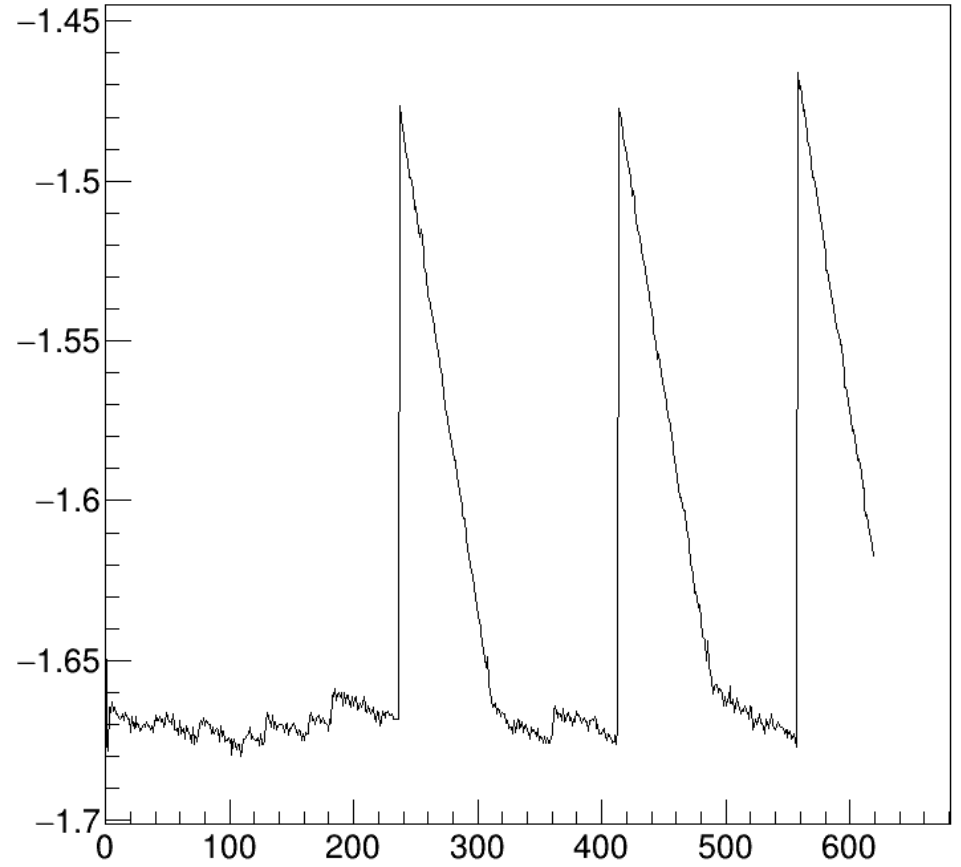
RMS = 0.037
 Average = -0.002

No significant steering changes in SA

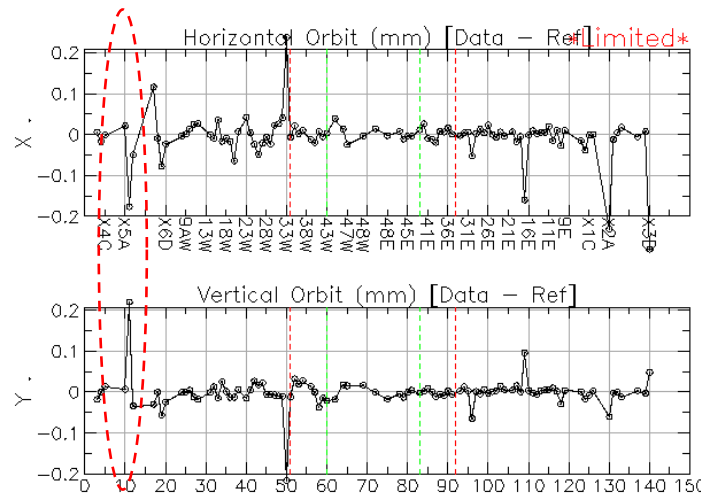
Horiz coord vs orbit nr BPm:110, X5B, 1876828-1877450.gif



Vert coord vs orbit nr BPm:110, X5B, 1876828-1877450.gif



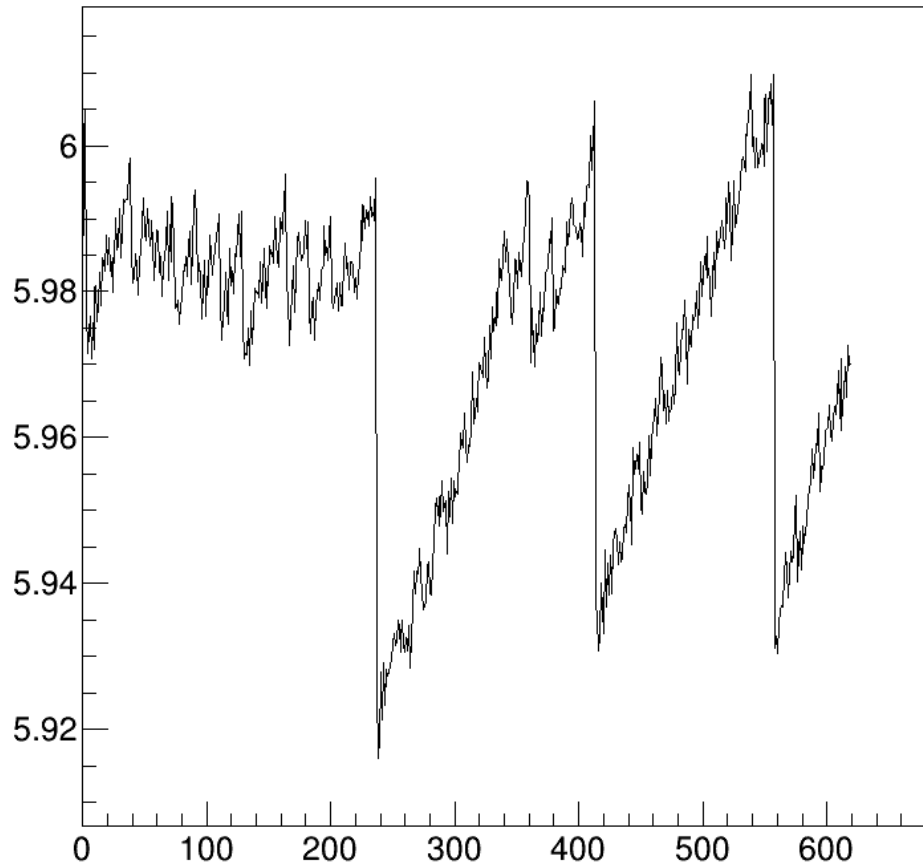
Data: 2023-11-16 23:34:53 t1b1: e+, cern=125.08
 Ref: 2023-11-16 23:33:44 t1b1: e+, cern=122.27



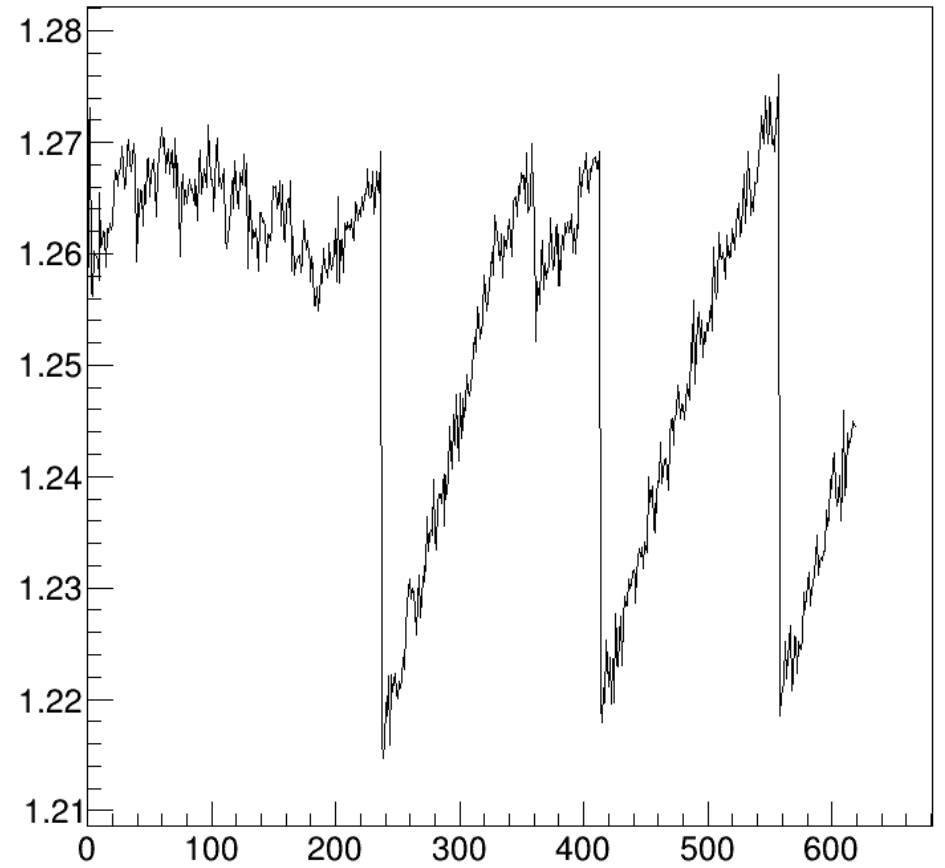
16-Nov-23 23:35:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1877064
 Ref: butns.1877063
 CESR Set: 169610
 Species: Positron
 RMS = 0.057
 Average = -0.008

RMS = 0.037
 Average = -0.002

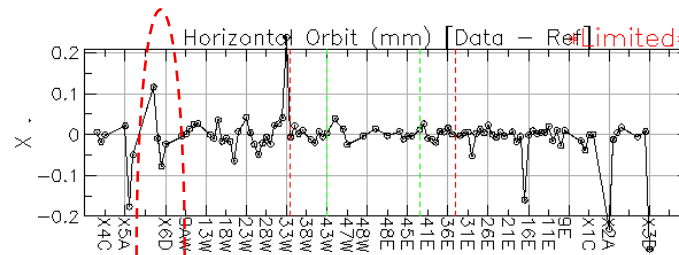
Horiz coord vs orbit nr BPm:5, X6C, 1876828-1877450.gif



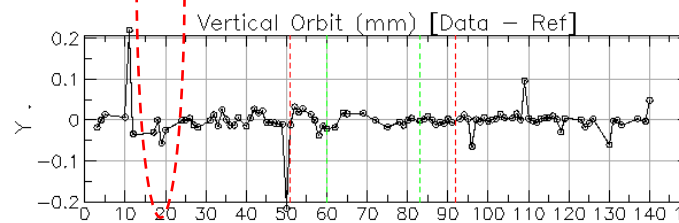
Vert coord vs orbit nr BPm:5, X6C, 1876828-1877450.gif



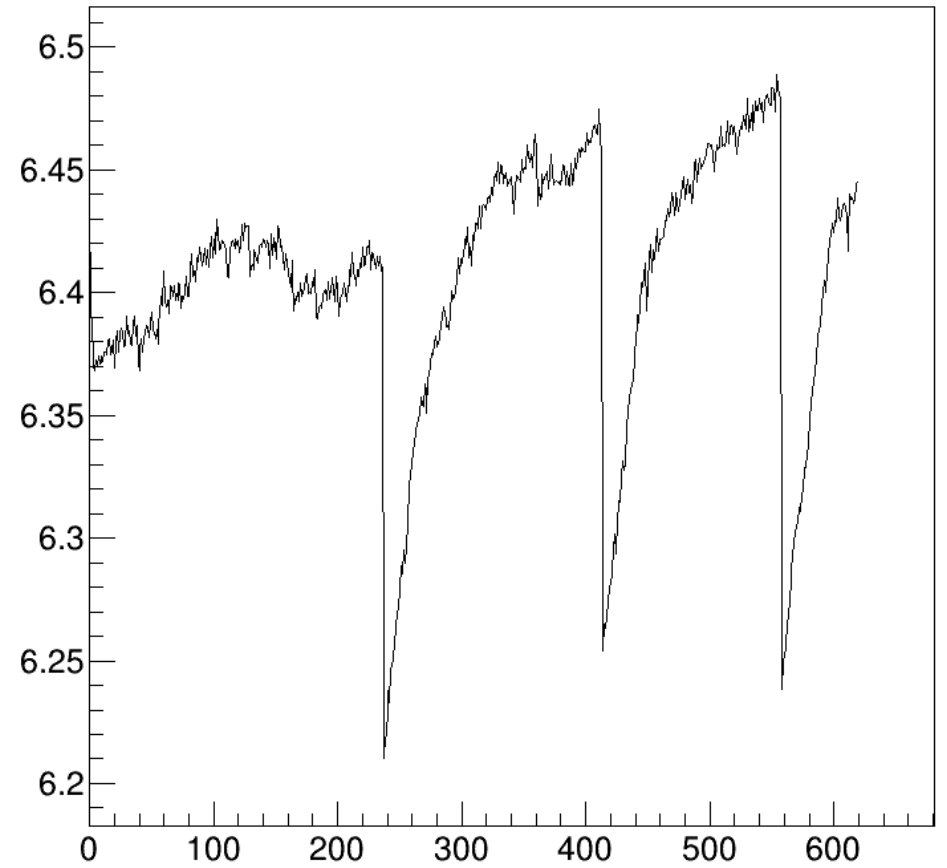
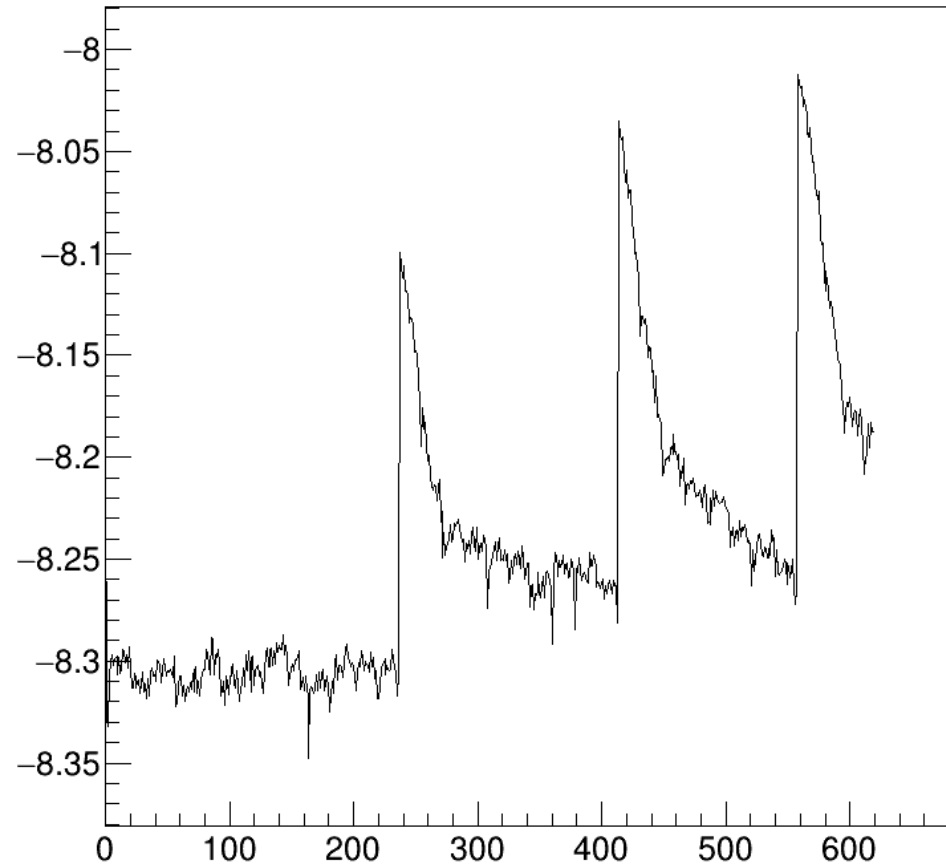
Data: 2023-11-16 23:34:53 t1b1: e+, cern=125.08
 Ref: 2023-11-16 23:33:44 t1b1: e+, cern=122.27



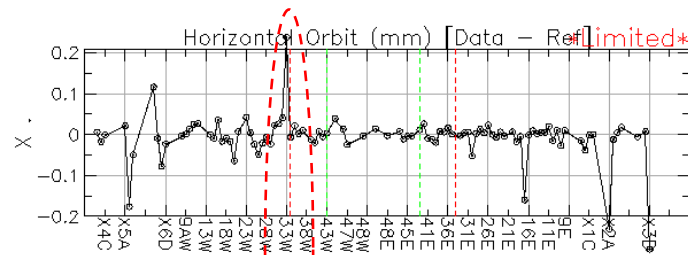
16-Nov-23 23:35:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1877064
 Ref: butns.1877063
 CESR Set: 169610
 Species: Positron
 RMS = 0.057
 Average = -0.008



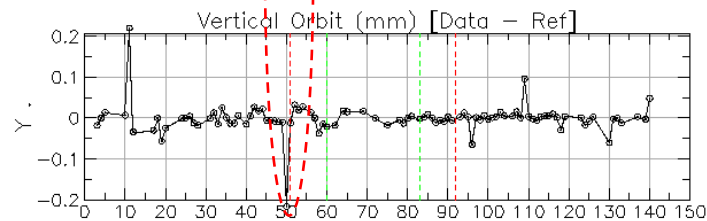
RMS = 0.037
 Average = -0.002



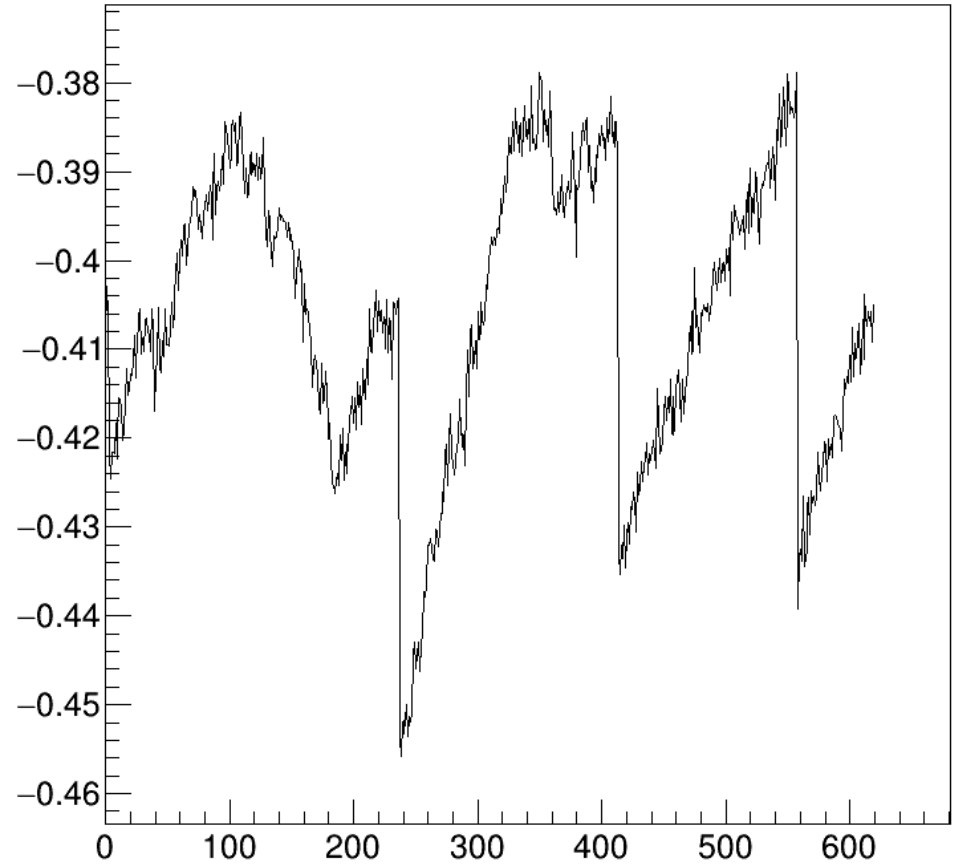
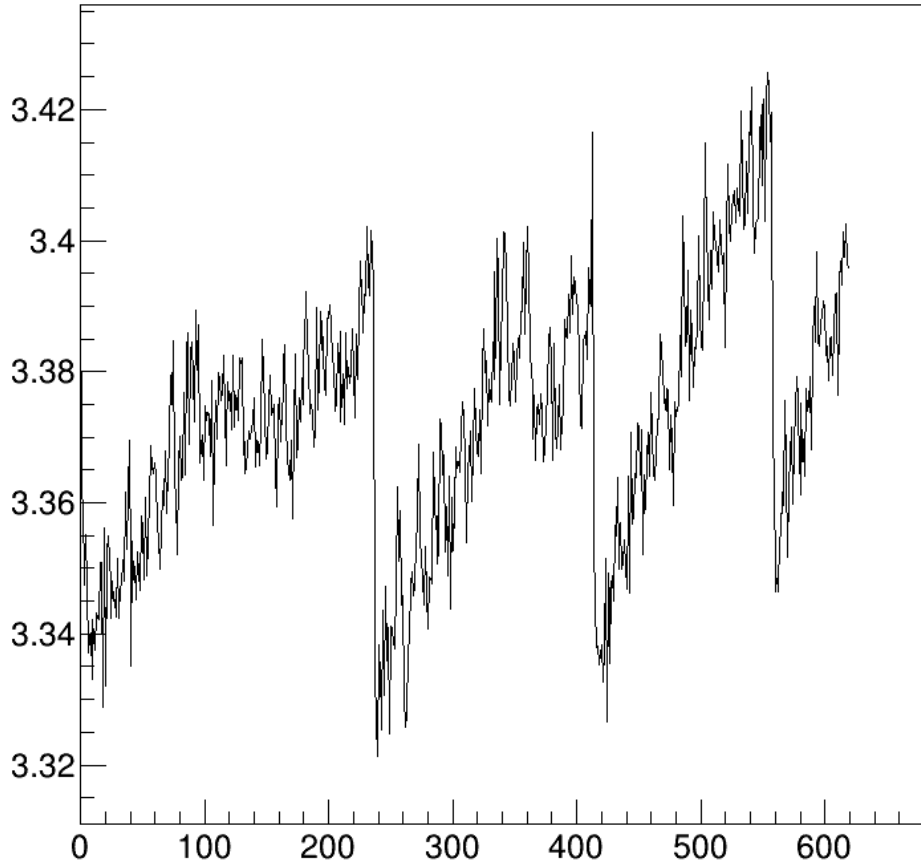
Data: 2023-11-16 23:34:53 t1b1: e+, cern=125.08
 Ref: 2023-11-16 23:33:44 t1b1: e+, cern=122.27



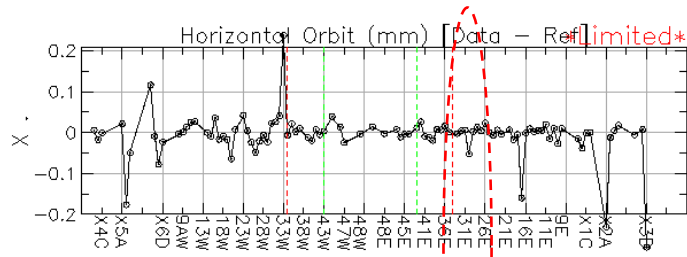
16-Nov-23 23:35:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1877064
 Ref: butns.1877063
 CESR Set: 169610
 Species: Positron
 RMS = 0.057
 Average = -0.008



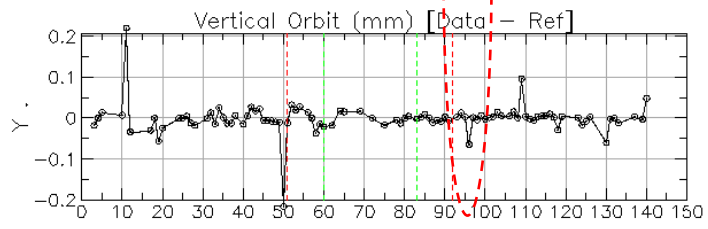
RMS = 0.037
 Average = -0.002



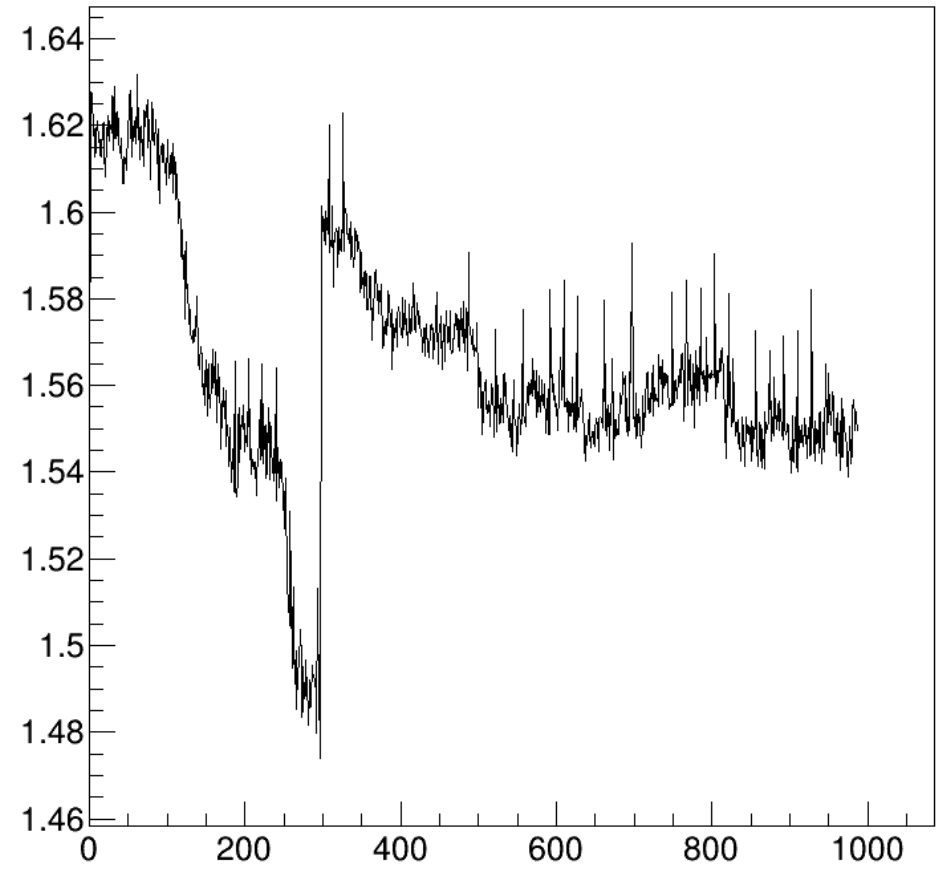
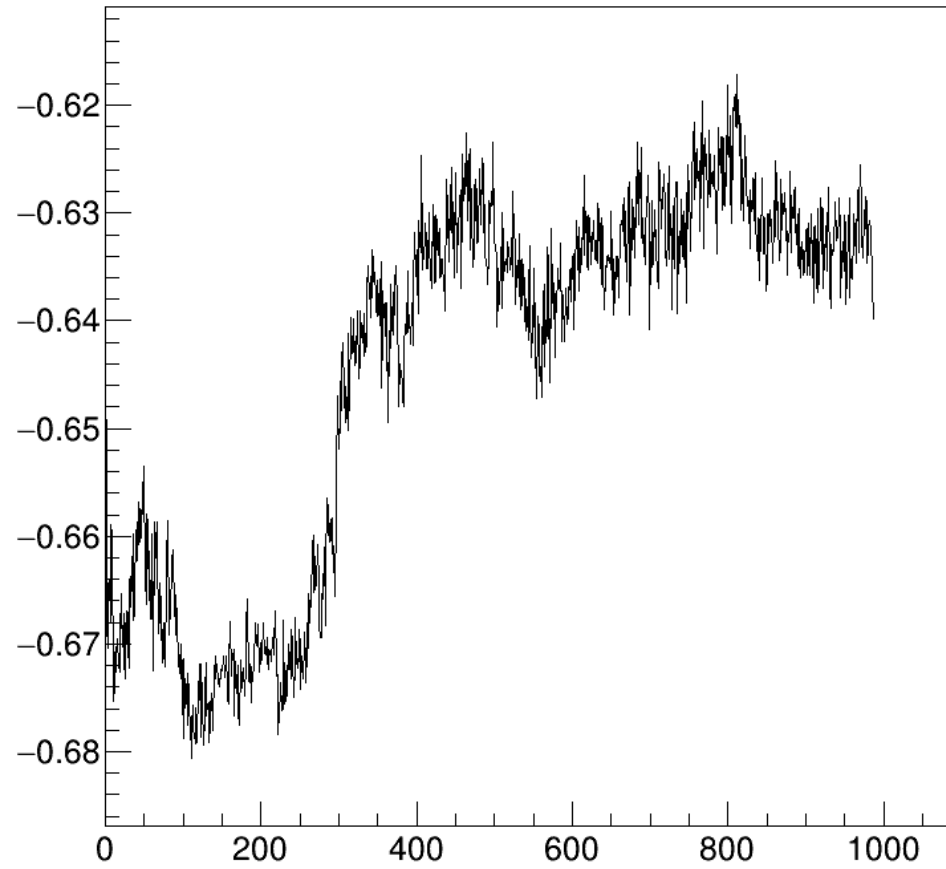
Data: 2023-11-16 23:34:53 t1b1: e+, cern=125.08
 Ref: 2023-11-16 23:33:44 t1b1: e+, cern=122.27



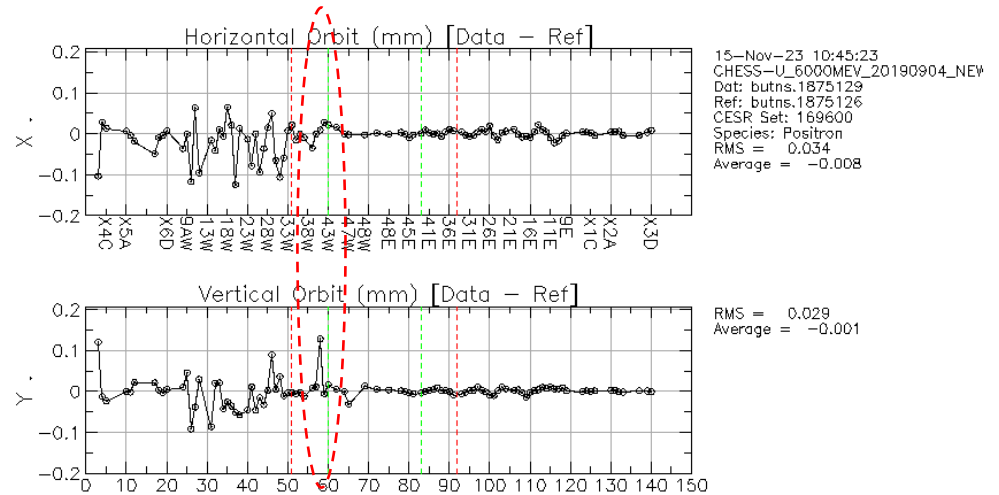
16-Nov-23 23:35:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1877064
 Ref: butns.1877063
 CESR Set: 169610
 Species: Positron
 RMS = 0.057
 Average = -0.008



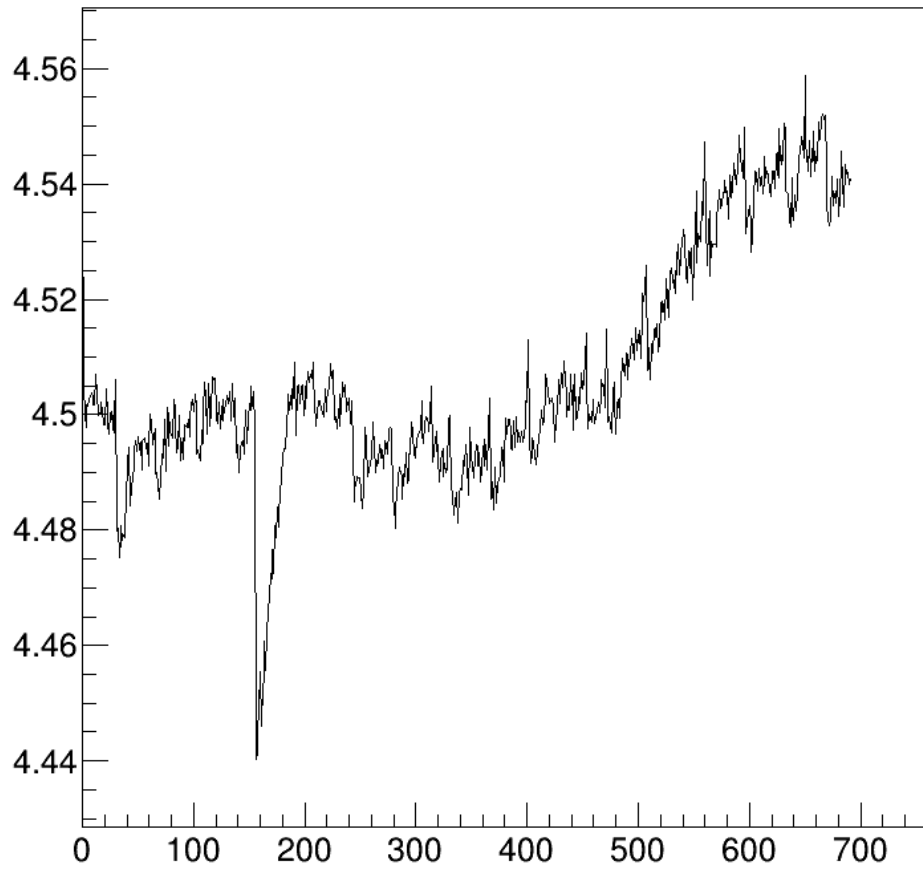
RMS = 0.037
 Average = -0.002



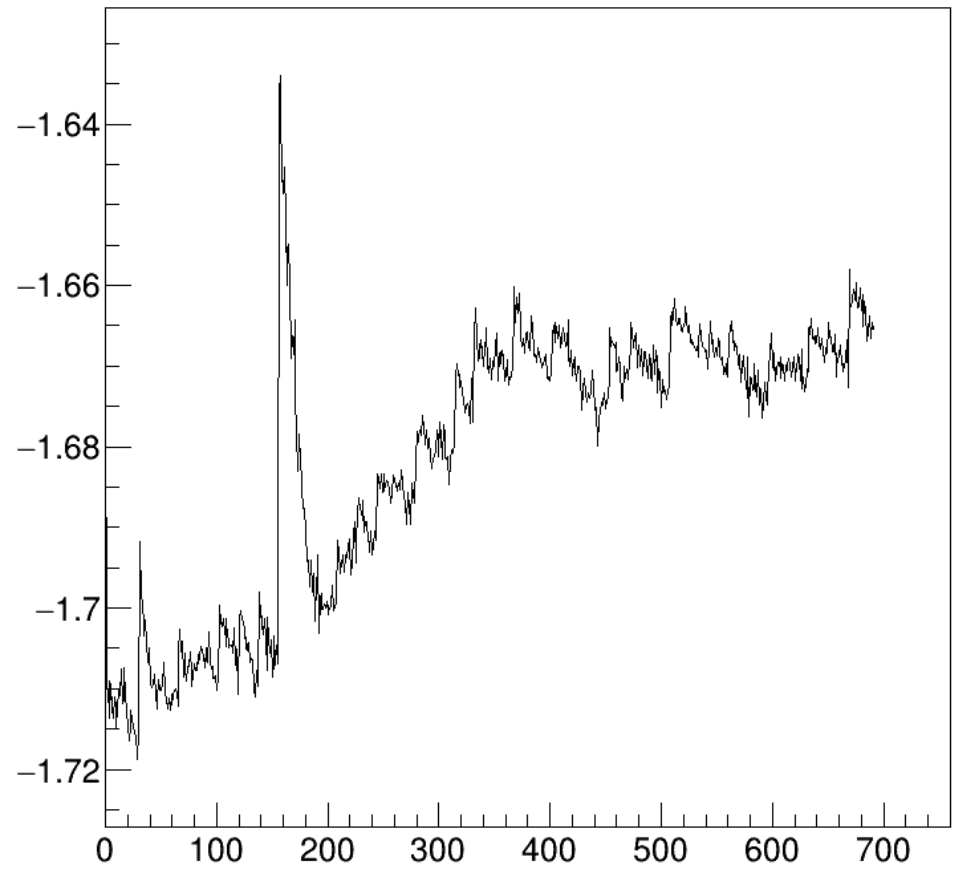
Data: 2023-11-15 10:45:13 t1b1: e+, cern=123.91
 Ref: 2023-11-15 10:41:48 t1b1: e+, cern=124.42



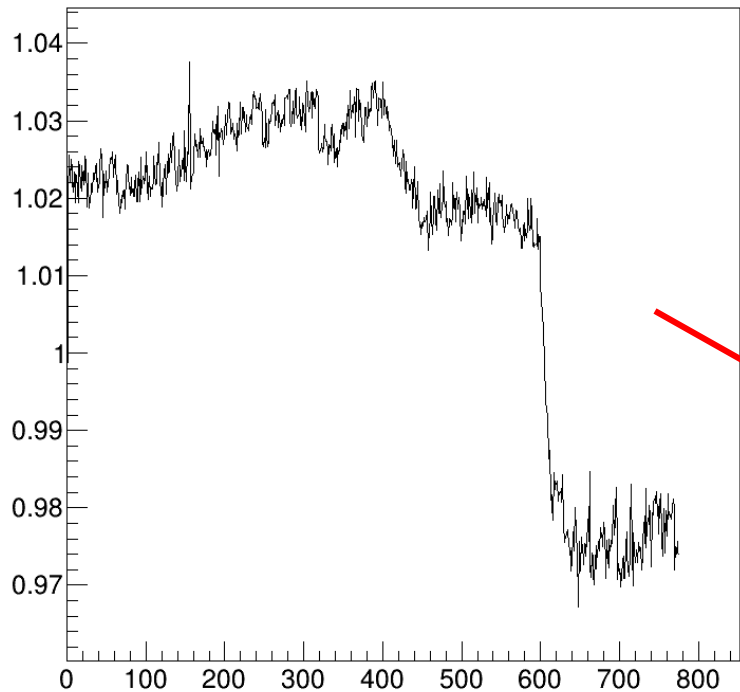
Horiz coord vs orbit nr BPm:110, X5B, 1874828-1875828.gif



Vert coord vs orbit nr BPm:110, X5B, 1874828-1875828.gif



Vert coord vs orbit nr BPm:6, X6D, 1867604-1868385.gif



Previous week data

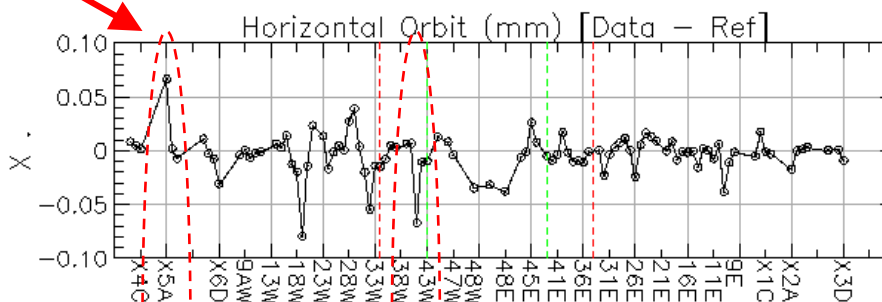
17 excluded bpms:

19W 20W 21W 24W 25W 29W

41W 43W 44E 37E 26E 25E

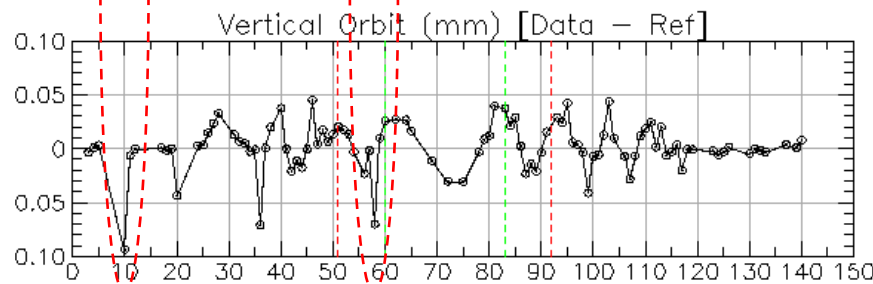
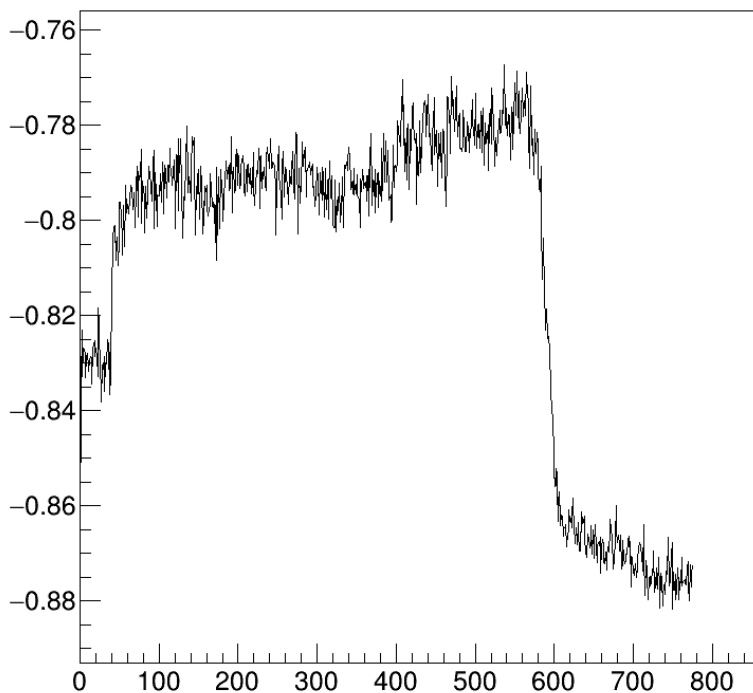
17E 17E X3D X4B X6D

Data: 2023-11-09 00:06:35 t1b1: e+, cern=124.25
Ref: 2023-11-08 21:49:50 t1b1: e+, cern=122.87

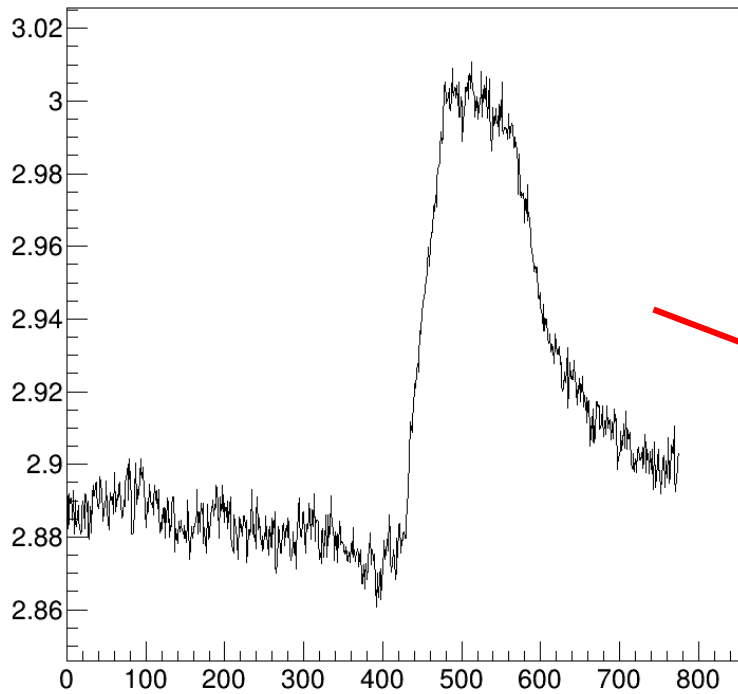


09-Nov-23 00:06:43
CHESS-U_6000MEV_20190904_NEW
Dat: butns.1868220
Ref: butns.1868100
CESR Set: 169516
Species: Positron
RMS = 0.019
Average = -0.004

Horiz coord vs orbit nr BPm:41, 41W, 1867604-1868385.gif



RMS = 0.022
Average = 0.001

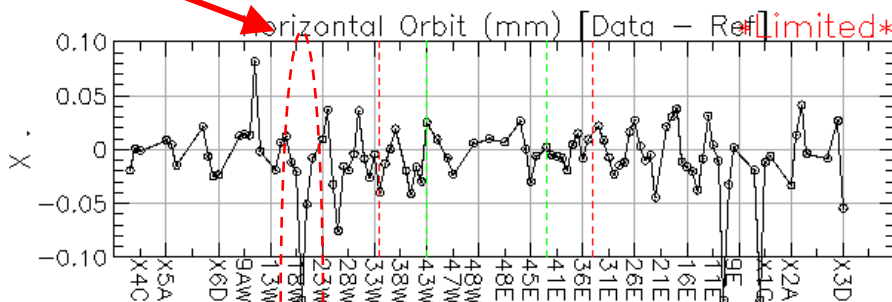


Previous week data

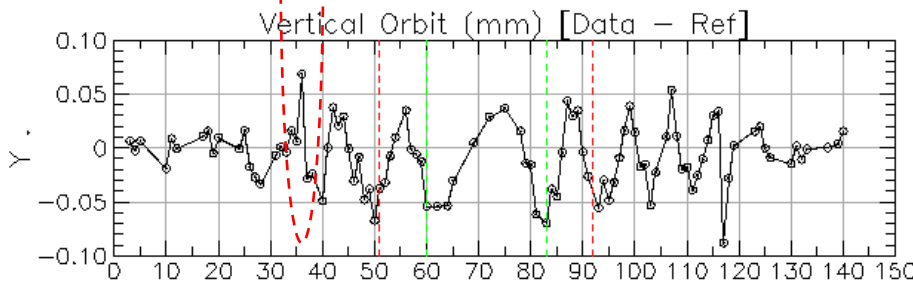
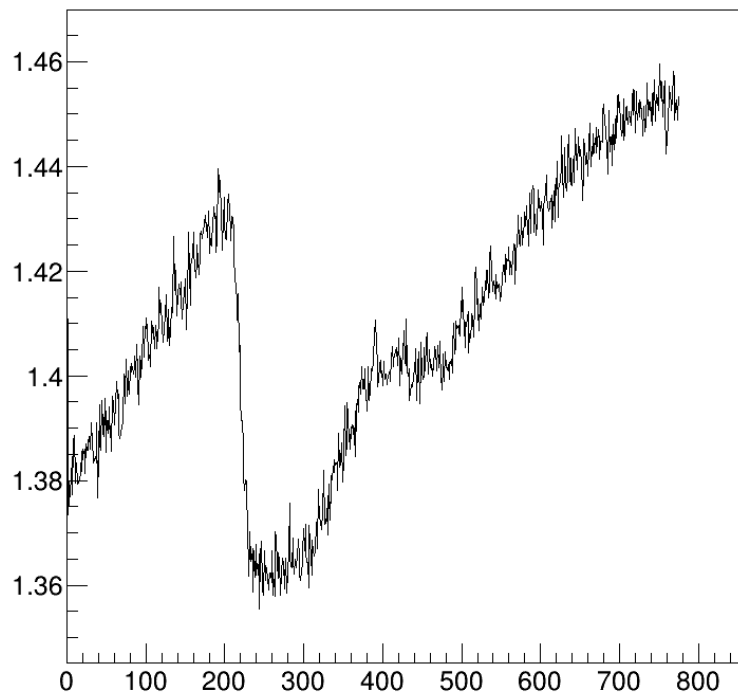
17 excluded bpms:

19W 20W 21W 24W 25W 29W
 41W 43W 44E 37E 26E 25E
 17E 17E X3D X4B X6D

Data: 2023-11-08 19:55:53 t1b1: e+, cern=124.48
 Ref: 2023-11-08 21:49:50 t1b1: e+, cern=122.87



08-Nov-23 19:56:01
 CHESS-U_6000MEV_20190904_NEW
 Dat: butns.1868000
 Ref: butns.1868100
 CESR Set: 169514
 Species: Positron
 RMS = 0.049
 Average = -0.011



RMS = 0.030
 Average = -0.008