

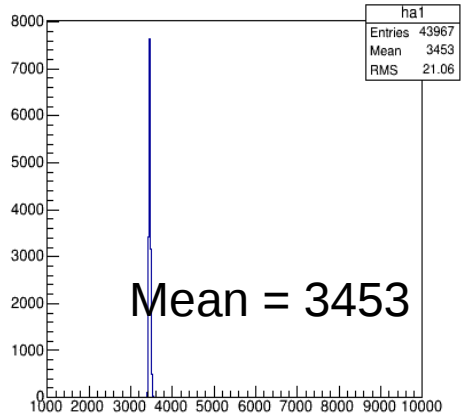
BPM calibration

Or lack thereof!!

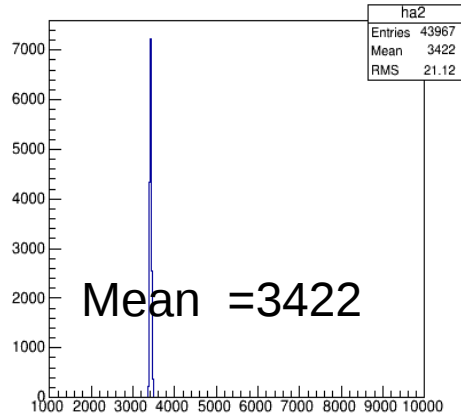
Run 581 BPM pedestal run

Replayed with replay_coinc.C with Tritium DB

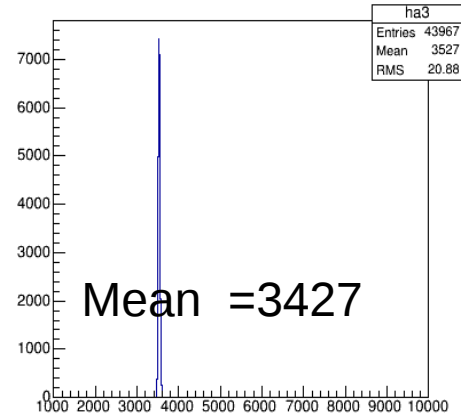
RrbGmp.BPMA.rawcur.1



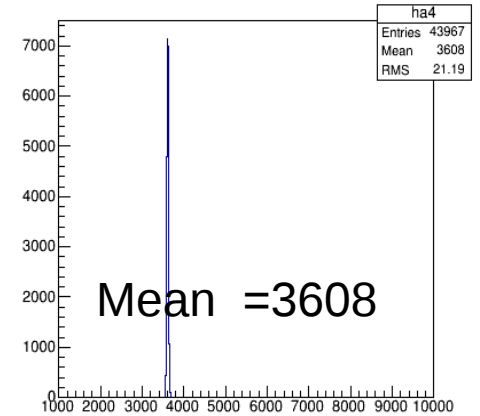
RrbGmp.BPMA.rawcur.2



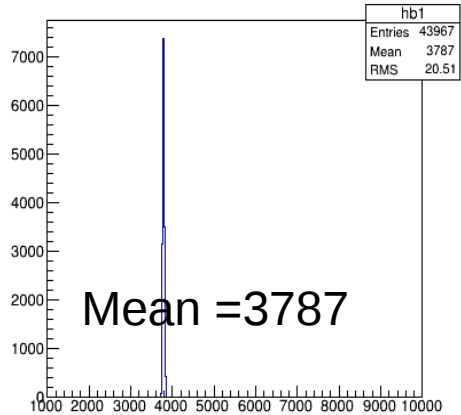
RrbGmp.BPMA.rawcur.3



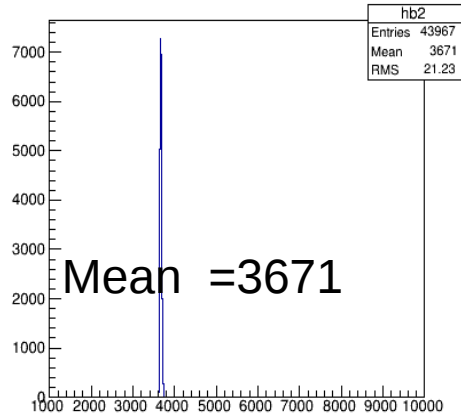
RrbGmp.BPMA.rawcur.4



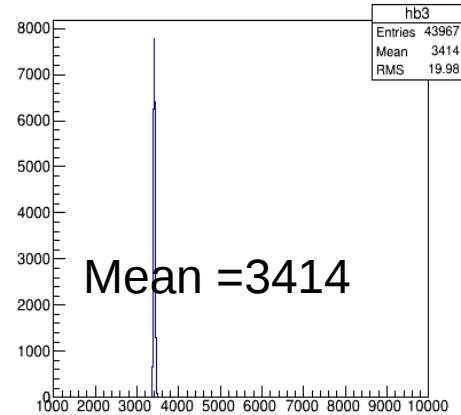
RrbGmp.BPMB.rawcur.1



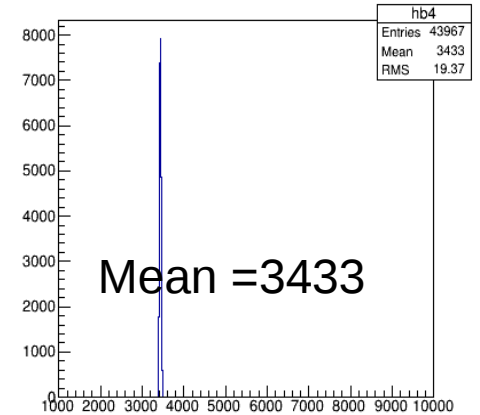
RrbGmp.BPMB.rawcur.2



RrbGmp.BPMB.rawcur.3

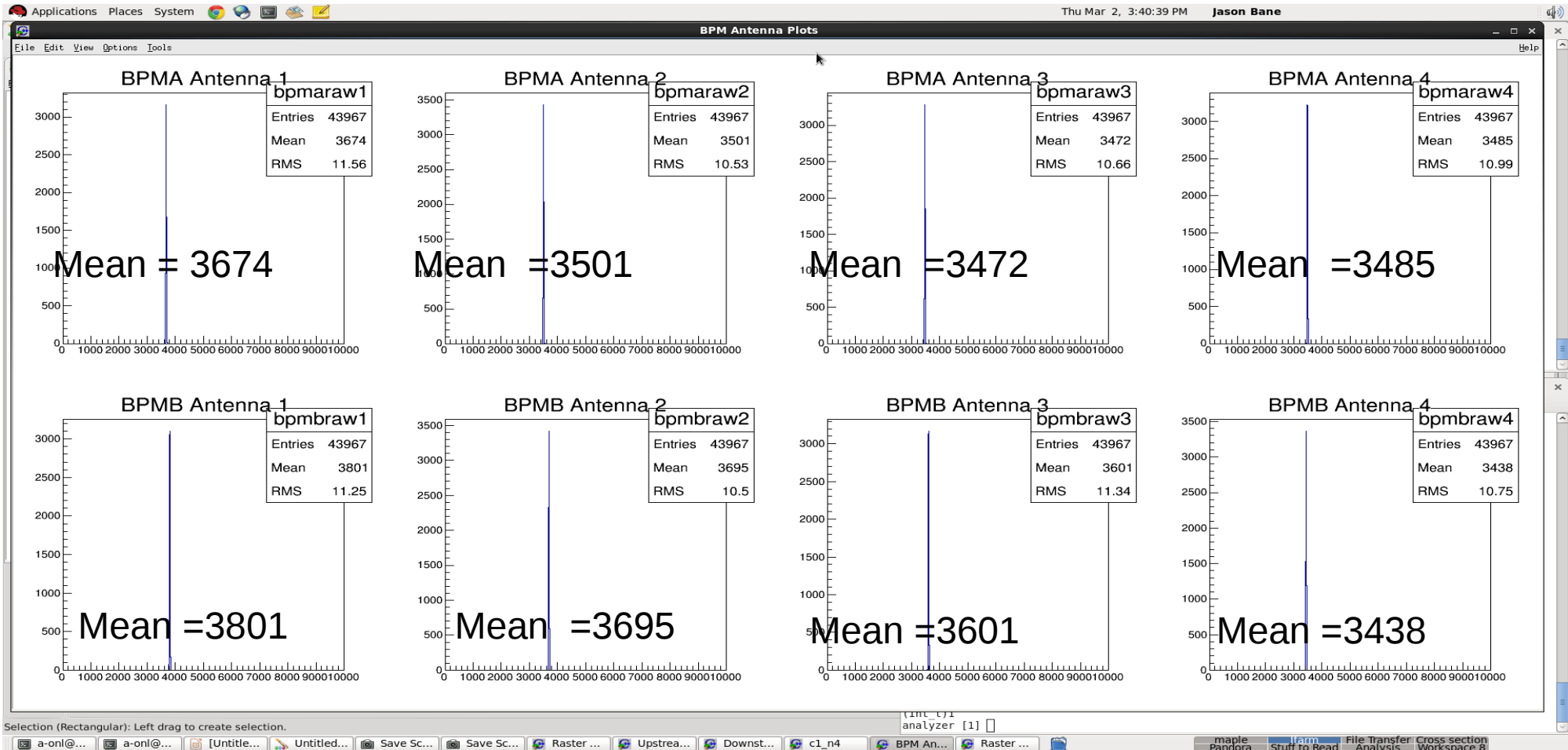


RrbGmp.BPMB.rawcur.4



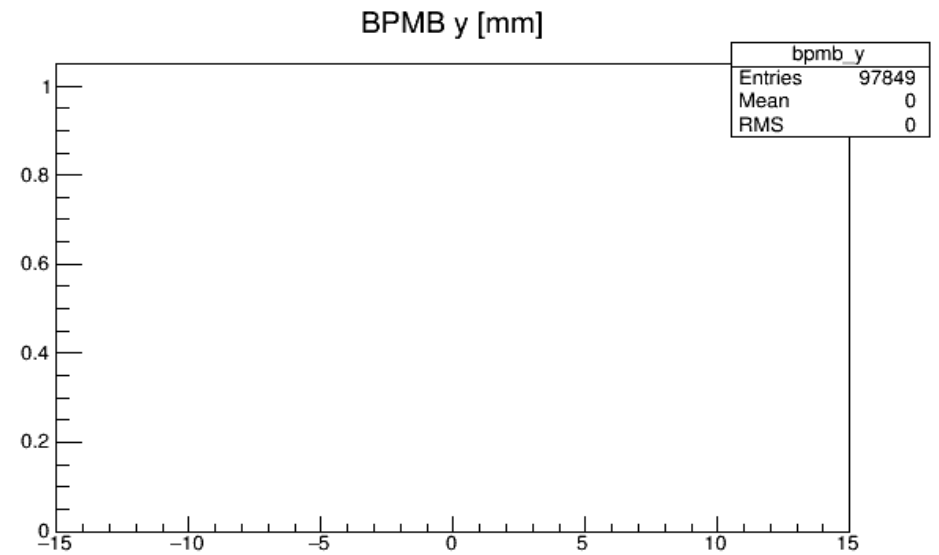
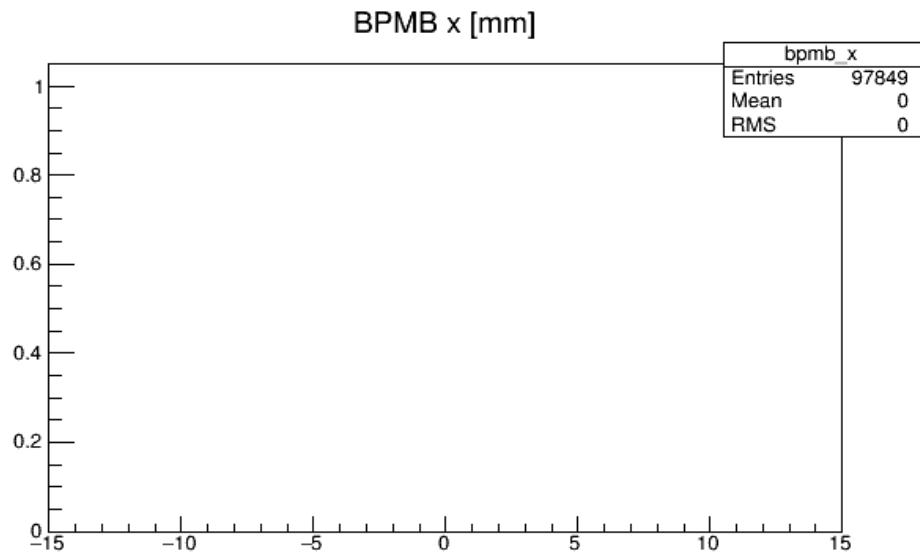
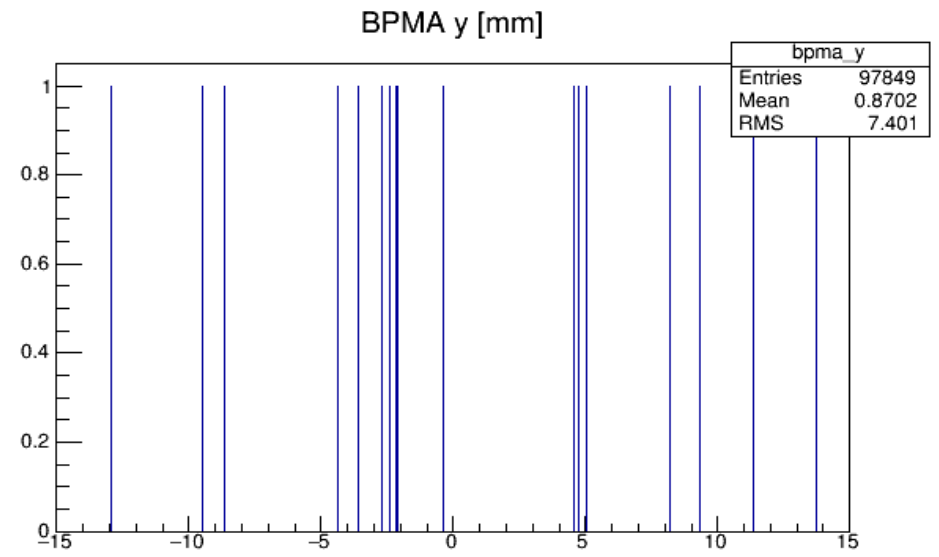
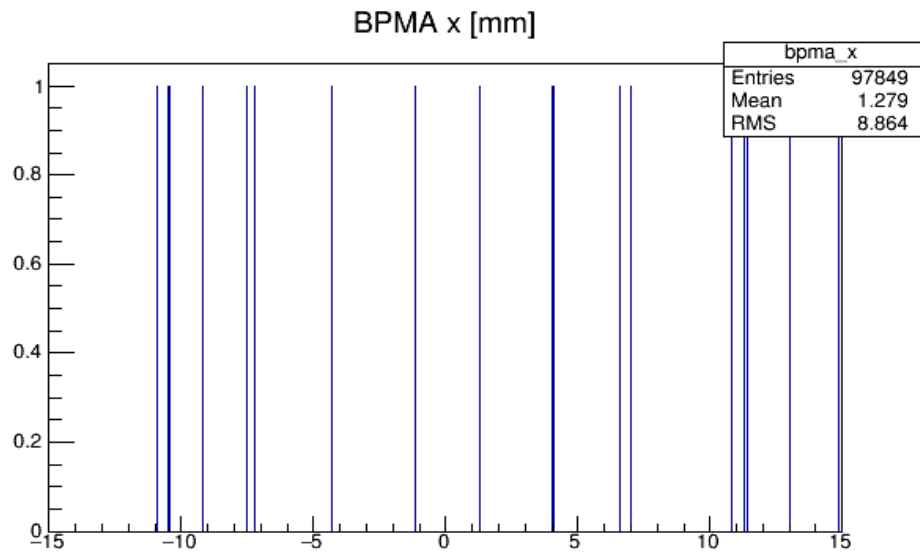
Run 581 BPM pedestal run

Replayed with spot++ with "~a-on/rastersize/LeftHRS/DBleft"



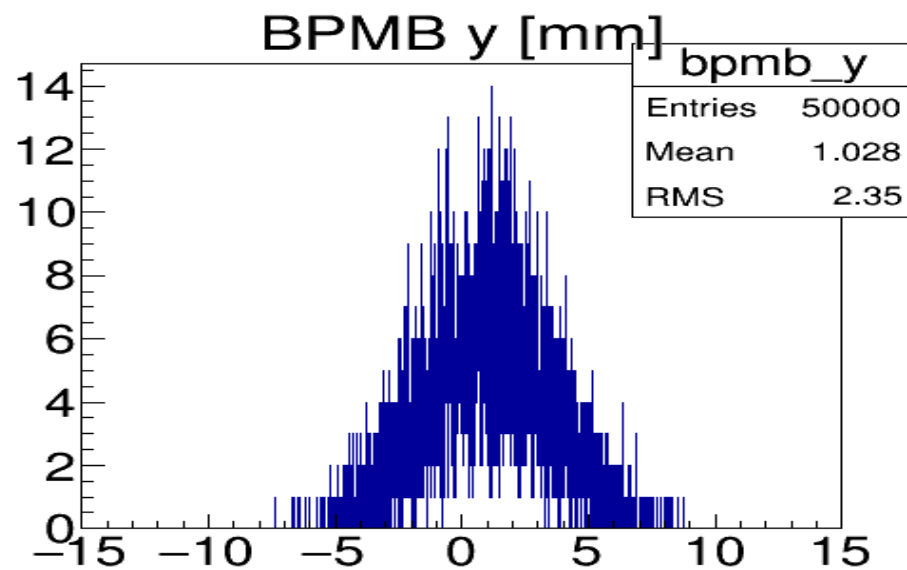
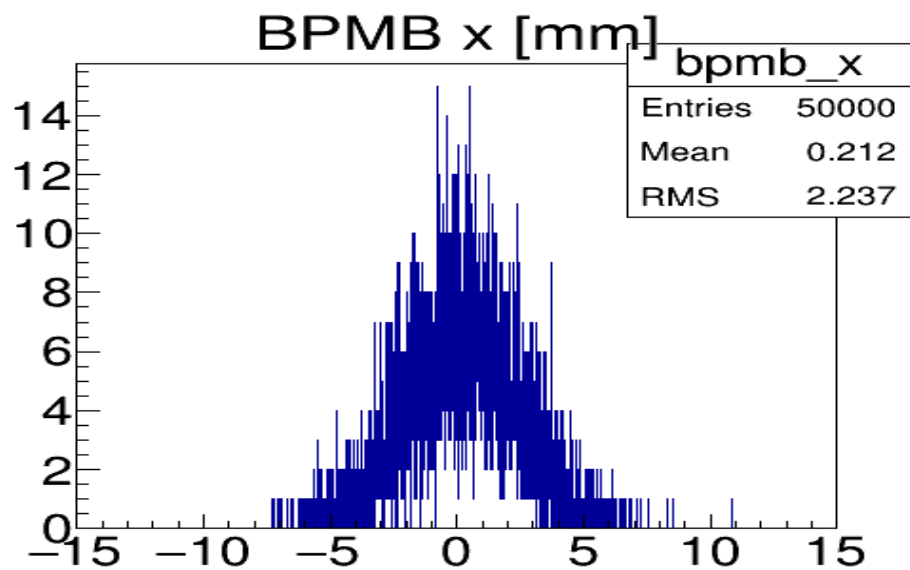
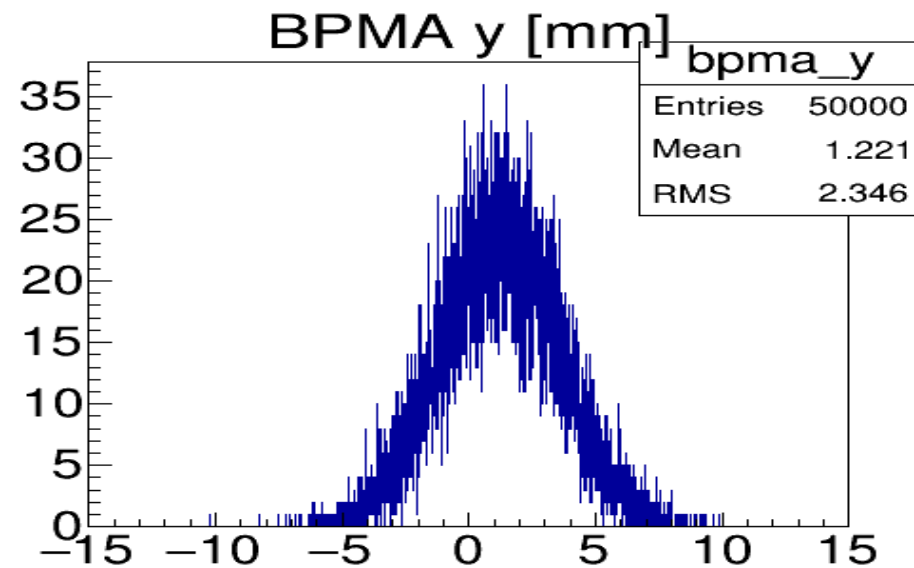
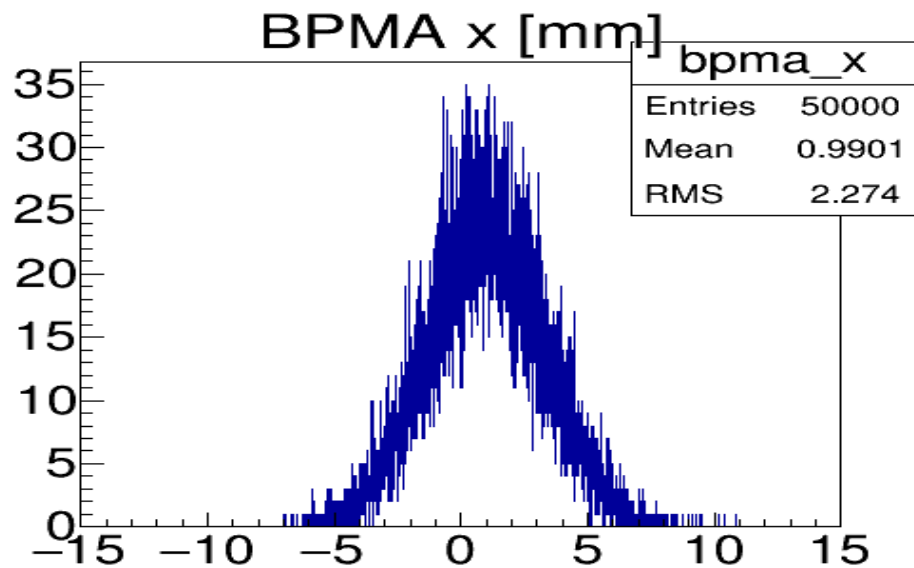
Run 461 Harp scan at (2.13,-1.55)

replay_online.C with current tritium DB



Run 461 Harp scan at (2.13,-1.55)

spot++ with DB_DIR="~/a-onl/rastersize/LeftHRS/DBleft"



The difference

- `replay_coinc` and `replay_online` use:
 - `Gmp_Rastered_Beam new Gmp_Rastered_Beam("RrbGmp","Rastered beam to R-HRS")`
- `Spott++` → `spot_Left` or `spot_Right` which calls `get_rastersize.C` use:
 - `THaApparatus* BEAM = new spotBeam("rb","Beamline");`

DB difference

{BPMA_detmap]
1 3 1 21 0 3 1881
-1 0 0 0 0 0 0
{BPMB_detmap]
1 3 1 21 7 10 1881
-1 0 0 0 0 0 0
[Raster_detmap]
1 3 1 21 11 12 1881
1 3 1 21 15 16 1881
-1 0 0 0 0 0 0
{Raster2_detmap]
1 3 1 21 13 14 1881
1 3 1 21 17 18 1881
-1 0 0 0 0 0 0

[BPMA_detmap]
1 1 1 22 0 3 1881
-1 0 0 0 0 0 0
[BPMB_detmap]
1 1 1 22 4 7 1881
-1 0 0 0 0 0 0
[Raster_detmap]
1 1 1 22 9 9 1881
1 1 1 22 8 8 1881
1 1 1 22 12 13 1881
-1 0 0 0 0 0 0
[Raster2_detmap]
1 1 1 22 11 11 1881
1 1 1 22 10 10 1881
1 1 1 22 14 15 1881
-1 0 0 0 0 0 0

Huh?!?!

- Using the spot++ code to produce the root files-
- BPMA constants:
 - -1.74464 0.0250443 3.11006 -0.794562 0.000851087 -0.00166354
- BPMB constants:
 - 1.93648 -0.0761353 -1.59063 -0.609086 -0.00323331 0.00363331

Previous:

- A -0.750796 0.723848 0.77656 0.72107 0.00143766 -6.81262e-06
- B -0.624004 0.761298 0.659681 0.708074 0.000601645 -0.000985787

- Running using `replay_coinc.C`
- BPMA constants:
 - -0.739106 0.770558 -0.36443 2.16775 0.00215743 0.0027862
- BPMB constants:
 - 0.827341 -1.07327 0.577168 0.778116 0.00371809 -0.00107975

Previous:

- A -0.750796 0.723848 0.77656 0.72107 0.00143766 -6.81262e-06
- B -0.624004 0.761298 0.659681 0.708074 0.000601645 -0.000985787