

TgY

File: /home/miham/Hive/JLab/e05102/...MatrixElements_NewBestList.dat

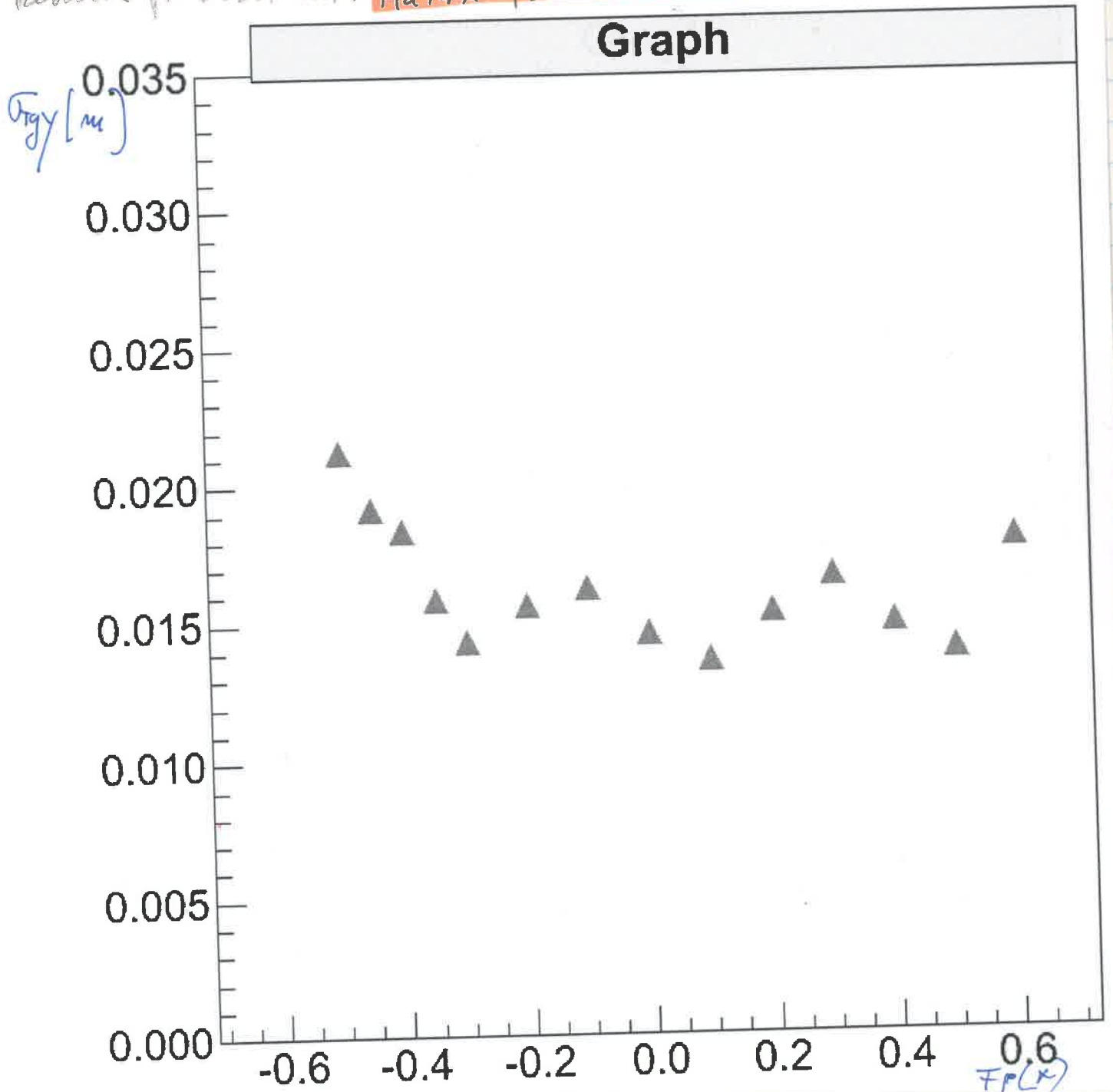
Mean Value of parameter ~~b0000~~ : 0.0231798 +/- 0.000651507, Relative Error: 2.81067 [%]
 Mean Value of parameter ~~b0001~~ : -2.7658 +/- 0.00487531, Relative Error: 0.176271 [%]
 Mean Value of parameter ~~b0002~~ : -2.33569 +/- 0.225914, Relative Error: 9.67225 [%]
 Mean Value of parameter ~~b0003~~ : 19.9915 +/- 2.32411, Relative Error: 11.6255 [%]
 Mean Value of parameter ~~b0010~~ : 0.917005 +/- 0.0109906, Relative Error: 1.19853 [%]
 Mean Value of parameter ~~b0011~~ : 1.98481 +/- 0.200439, Relative Error: 10.0986 [%]
 Mean Value of parameter ~~b0012~~ : -30.8046 +/- 5.11549, Relative Error: 16.6063 [%]
 Mean Value of parameter ~~b0020~~ : -0.635172 +/- 0.0761679, Relative Error: 11.9917 [%]
 Mean Value of parameter ~~b0021~~ : 20.2199 +/- 2.79304, Relative Error: 13.8133 [%]
 Mean Value of parameter ~~b0030~~ : -6.60272 +/- 0.645897, Relative Error: 9.78228 [%]
 Mean Value of parameter ~~b0100~~ : 0.0388851 +/- 0.00241045, Relative Error: 6.19891 [%]
 Mean Value of parameter ~~b0101~~ : -0.613253 +/- 0.229859, Relative Error: 37.4818 [%]
 Mean Value of parameter ~~b0110~~ : 0.876846 +/- 0.166125, Relative Error: 18.9457 [%]
 Mean Value of parameter ~~b0111~~ : 2.25219 +/- 0.268963, Relative Error: 11.9423 [%]
 Mean Value of parameter ~~b0112~~ : -28.7562 +/- 15.3064, Relative Error: 53.2282 [%]
 Mean Value of parameter ~~b0120~~ : -1.35994 +/- 0.513398, Relative Error: 37.7515 [%]
 Mean Value of parameter ~~b0121~~ : 47.3592 +/- 9.73069, Relative Error: 20.5466 [%]
 Mean Value of parameter ~~b0201~~ : -0.870169 +/- 0.908885, Relative Error: 104.449 [%]
 Mean Value of parameter ~~b0210~~ : 1.61122 +/- 1.24163, Relative Error: 77.0616 [%]
 Mean Value of parameter ~~b0220~~ : 4.62632 +/- 3.11877, Relative Error: 67.4136 [%]
 Mean Value of parameter ~~b1001~~ : -0.241997 +/- 0.0637921, Relative Error: 26.3607 [%]
 Mean Value of parameter ~~b1002~~ : 4.94169 +/- 1.03147, Relative Error: 20.8728 [%]
 Mean Value of parameter ~~b1003~~ : -67.6181 +/- 14.6142, Relative Error: 21.6129 [%]
 Mean Value of parameter ~~b1010~~ : 0.358788 +/- 0.112288, Relative Error: 31.2966 [%]
 Mean Value of parameter ~~b1011~~ : -9.50365 +/- 1.74761, Relative Error: 18.3889 [%]
 Mean Value of parameter ~~b1012~~ : 177.272 +/- 35.9156, Relative Error: 20.2602 [%]
 Mean Value of parameter ~~b1020~~ : 4.41392 +/- 0.792485, Relative Error: 17.9542 [%]
 Mean Value of parameter ~~b1021~~ : -168.771 +/- 26.5246, Relative Error: 15.7164 [%]
 Mean Value of parameter ~~b1030~~ : 49.9945 +/- 8.35393, Relative Error: 16.7097 [%]
 Mean Value of parameter ~~b2000~~ : 0.0364146 +/- 0.00045507, Relative Error: 1.24969 [%]
 Mean Value of parameter ~~b2001~~ : -1.03855 +/- 0.133361, Relative Error: 12.8411 [%]
 Mean Value of parameter ~~b2010~~ : 1.91131 +/- 0.16869, Relative Error: 8.82589 [%]
 Mean Value of parameter ~~b2020~~ : -0.227262 +/- 0.301809, Relative Error: 132.802 [%]
 Mean Value of parameter ~~b2101~~ : 0.2436 +/- 0.537008, Relative Error: 220.446 [%]
 Mean Value of parameter ~~b3000~~ : -0.1306 +/- 0.00970192, Relative Error: 7.42875 [%]
 Mean Value of parameter ~~b3001~~ : 5.63012 +/- 0.112515, Relative Error: 1.99845 [%]
 Mean Value of parameter ~~b3010~~ : -8.24815 +/- 0.0907068, Relative Error: 1.09972 [%]

Sedaj Prichajam re Stage 0
 never nel name, lew boho
 inelw or ineme ROOT file Stage 1.

Stage 0 nam so nyorabgawo otoro
 matnho. Stage 1 nam pa nyorabgawo
 never matnho re TgY m so
 maneyon kulibwayo TgY m TgY !

16/11 Then I checked, values results obtained, see run #3371, de sa analiza raportului material, lin sau pe dublu sa run #3371, #3370, #3360, #3491 in conj. de raportul material, lin pe dublu, ce perspective are profunzime material?

results for #3371 with ~~Matrix~~ for #3370



TgY

Mean Value of parameter ~~b0000~~ : 0.0231798 +/- 0.000651507, Relative Error: 2.81067 [%]
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Mean Value of parameter ~~b0101~~ : -0.613253 +/- 0.229859, Relative Error: 37.4818 [%]
Mean Value of parameter ~~b0110~~ : 0.876846 +/- 0.166125, Relative Error: 18.9457 [%]

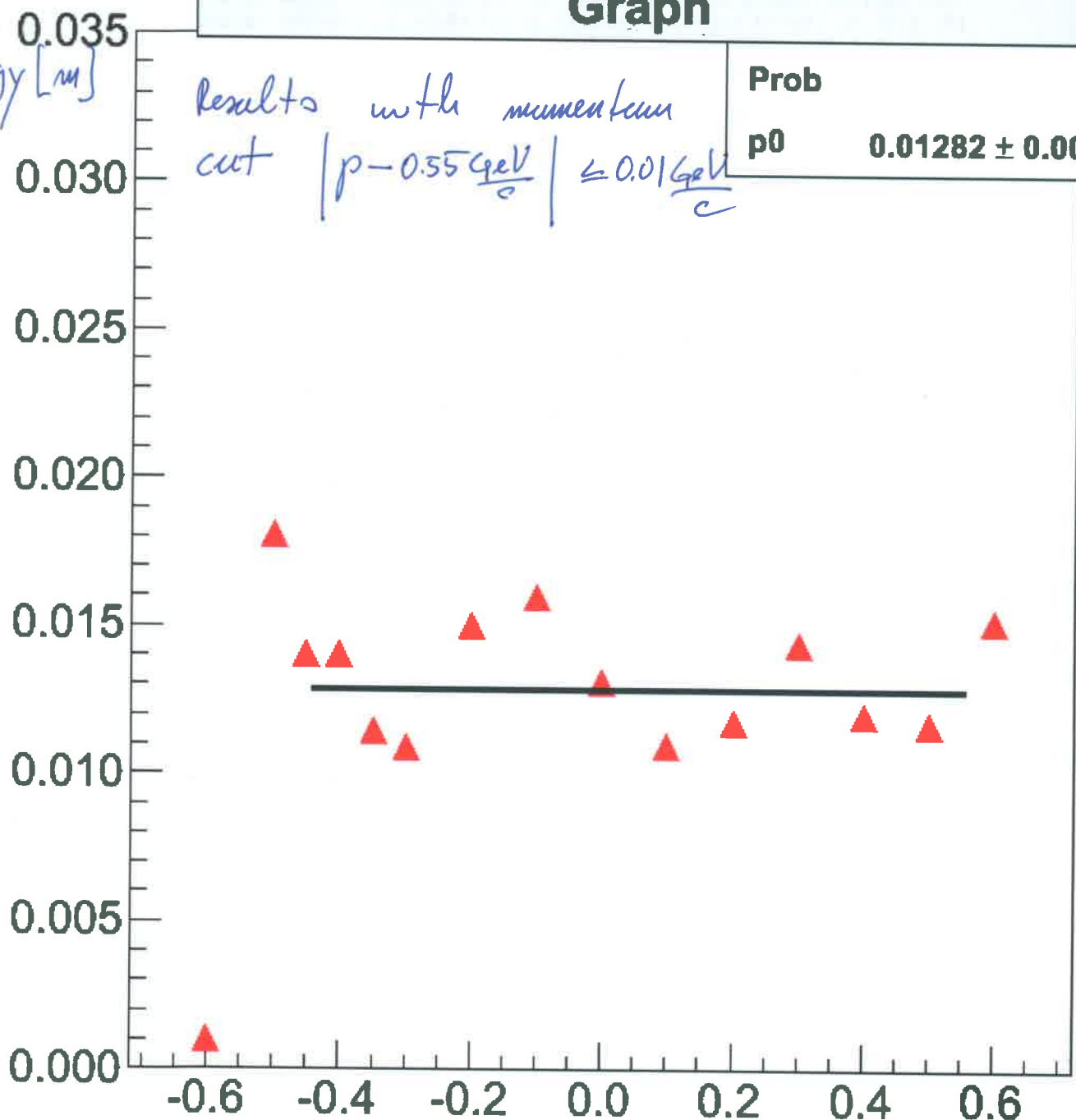
Graph

5 / 10

σ_{xy} [m]

results with momentum
cut $|p - 0.55 \frac{GeV}{c}| \leq 0.01 \frac{GeV}{c}$

Prob	1
p0	0.01282 ± 0.000531



p_x [m]

Block: RawDecode

Block: Decode

```
TriggerT3 (DL.evtypebits&8) == 8
CoincT5 (DL.evtypebits&32) == 32
CoincT6 (DL.evtypebits&64) == 64
Decode_master CoincT5 || CoincT6 || TriggerT3
```

Vzajem vse kumulirane in
#RS-L single, ker se v mihi
zavredno vsakega nastanlega
kumulirane aben tods
služnogo kumulirane. Te
delujem na s kumulirane cuti! (*)

Block: Tracking

```
BBTrack BB.tr.n > 0
Tracking_master BBTrack
```

} samo eventy, ki so postojajo
track v BB.

Block: Physics

```
HRSLGoldDp L.gold.dp > -0.045 && L.gold.dp < 0.045
HRSLGoldTh L.gold.th > -0.06 && L.gold.th < 0.06
HRSLGoldPh L.gold.ph > -0.03 && L.gold.ph < 0.03
```

} Spletno cutu na acceptance
Prig Peter.

```
BBTpTrackMatch BB.tp.trHitIndex > -1 ⊕
TargetSizeCut ReactPt L.z > -0.30 && ReactPt L.z < 0.30 ⊗
Physics_master TargetSizeCut && BBTpTrackMatch && HRSLGoldDp && HRSLGoldTh && HRSLGoldPh
```

Cuti, ki jih vključujem v ROOT skripto

```
if ((int)BB_tr_n != 1) continue;
if (Ndata_DL_t3 > 1) continue; (*)
if (Ndata_DL_t5 < 1) continue;
//if (fabs(BB_gold_p-0.55)>0.02) continue;
//if (fabs(BB_gold_p-0.55)>0.1) continue;
//if (!(fabs(ReactPt L z-(0.00119 - 0.0*0.066548))<0.0122 && fabs(DL_t3[0]-820)<30 )) continue;
if (!(fabs(DL_t3[0]-820)<30 )) continue;
```

→ Hvala se kake namte z enim trackom
v kumulirane. Tudi je vedna!

To je gradbi cut na kumulirane ves.

Pa mace jo
 balje upravljanje
 Hdata.DL.T5 > 0
 kut per
 (DL.evtypebits & 32) == 32.
 Ta ne delu od 95520

Cut summary:

Name	Def	Called	Passed
BLOCK: Decode			
TriggerT3 (82.6%)	(DL.evtypebits&8)==8	1000000	825803
CoincT5 (23.8%)	(DL.evtypebits&32)==32	1000000	238390
CoincT6 (11.5%)	(DL.evtypebits&64)==64	1000000	114961
Decode_master (98.7%)	CoincT5 CoincT6 TriggerT3	1000000	987094
BLOCK: Tracking			
BBTrack (19.8%)	BB.tr.n>0	987094	195779
Tracking_master (19.8%)	BBTrack	987094	195779
BLOCK: Physics			
HRSLGoldDp (90.7%)	L.gold.dp>-0.045&&L.gold.dp<0.045	195779	177545
HRSLGoldTh (88.2%)	L.gold.th>-0.06&&L.gold.th<0.06	195779	172658
HRSLGoldPh (85.9%)	L.gold.ph>-0.03&&L.gold.ph<0.03	195779	168268
BBTpTrackMatch (56%)	BB.tp.trHitIndex>-1	195779	109633
TargetSizeCut (89.3%)	ReactPt_L.z>-0.30&&ReactPt_L.z<0.30	195779	174772
Physics_master (46.7%)	TargetSizeCut&&BBTpTrackMatch&&HRSLGoldDp&&HRSLGoldTh&&HRSLGoldPh	195779	91351

Ta cut još neformal page!

Ta je 7 original upravljanje
 brežmenje popravka. Upošlenu
 samo full hit v TP.

Total : Real Time = 2328.33 seconds Cpu Time = 1836.53 seconds
 Info in <TCanvas::Print>: file ./RasterPlots/BeamRasterPlot_2300.png has been created
 YOU JUST ANALYZED RUN number 2300.

mano ~ 10% izpleu! za 1M eventov => 0.64hour
 za 4M reban 2.54hour

Cut summary:

Name	Def	Called	Passed
BLOCK: Decode			
TriggerT3 (82.6%)	(DL.evtypebits&8)==8	1000000	825803
CoincT5 (23.8%)	(DL.evtypebits&32)==32	1000000	238390
CoincT6 (11.5%)	(DL.evtypebits&64)==64	1000000	114961
Decode_master (98.7%)	CoincT5 CoincT6 TriggerT3	1000000	987094
BLOCK: Tracking			
BBTrack (19.8%)	BB.tr.n>0	987094	195779
Tracking_master (19.8%)	BBTrack	987094	195779
BLOCK: Physics			
HRSLGoldDp (90.7%)	L.gold.dp>-0.045&&L.gold.dp<0.045	195779	177545
HRSLGoldTh (88.2%)	L.gold.th>-0.06&&L.gold.th<0.06	195779	172658
HRSLGoldPh (85.9%)	L.gold.ph>-0.03&&L.gold.ph<0.03	195779	168268
BBTpTrackMatch (98.7%)	BB.tp.trHitIndex>-1	195779	193309
TargetSizeCut (89.2%)	ReactPt_L.z>-0.30&&ReactPt_L.z<0.30	195779	174721
physics_master (81.6%)	TargetSizeCut&&BBTpTrackMatch&&HRSLGoldDp&&HRSLGoldTh&&HRSLGoldPh	195779	<u>159807</u>

→ Od tu se videlo, da ta cut ni res problem, de namensko se postavlja lute.

Total : Real Time = 2335.67 seconds Cpu Time = 1850.74 seconds
 Info in <TCanvas::Print>: file ./RasterPlots/BeamRasterPlot_2300.png has been created
 YOU JUST ANALYZED RUN number 2300.
 Analyzer [1]

Seveda ni mo analizirati zbirno svetlobo samo
 lute, ampak tudi druge detektorske nepravilne signale.
 To nam bo pomagalo določiti PIP. Potem pa
naprej!



Handwritten notes and diagrams at the bottom of the page, including a small sketch of a peak and some illegible text.

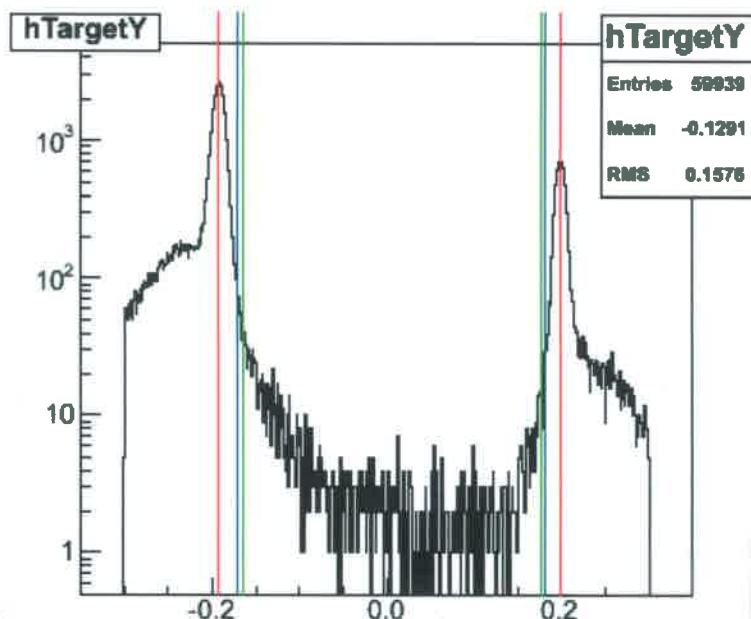
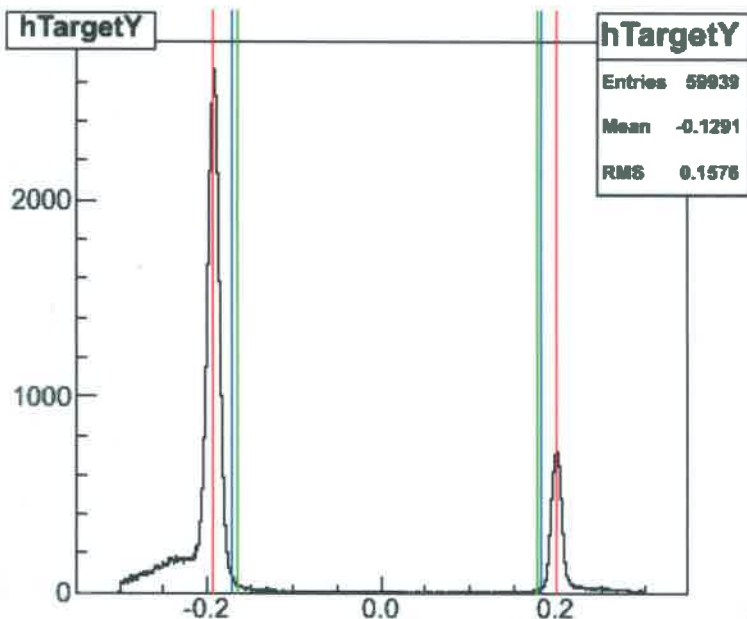
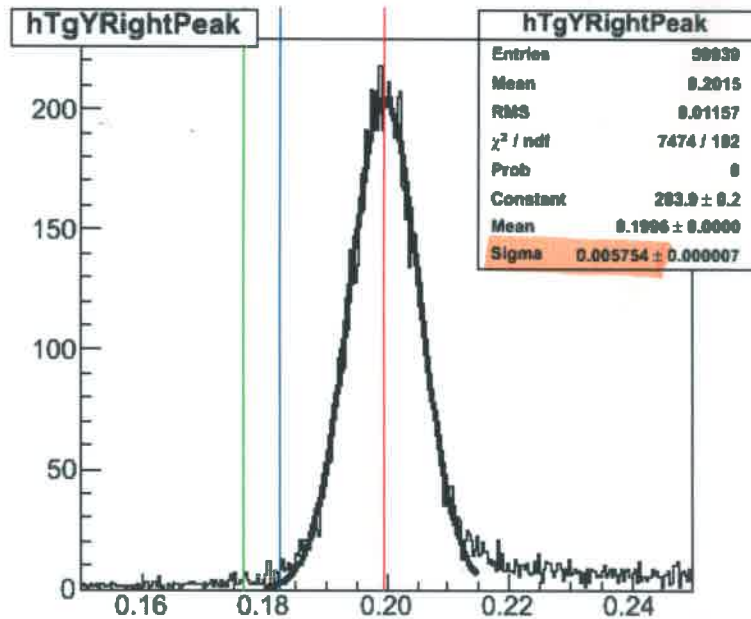
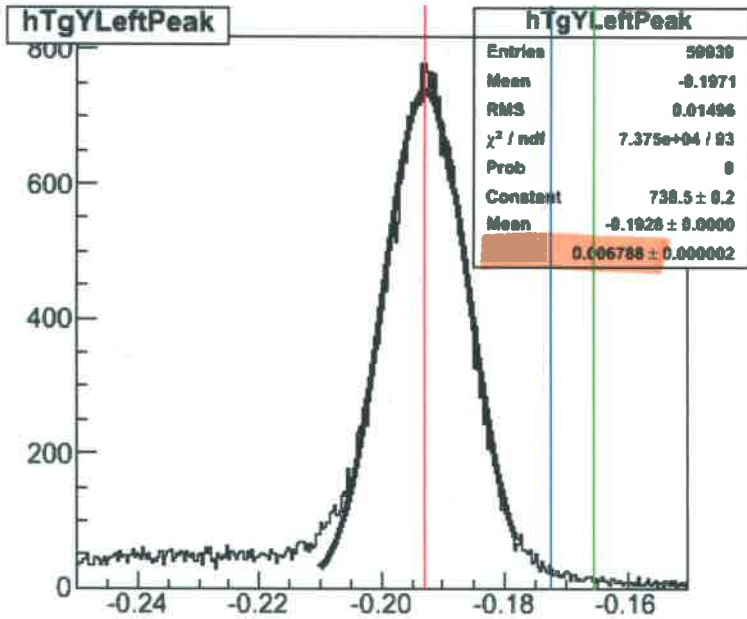
Empty Cell Run

3154, 3155

3496, 3585

↓
Ta nu de mungler.

Run #3155 (with wrong raster)



Still have to do analysis with correct raster.

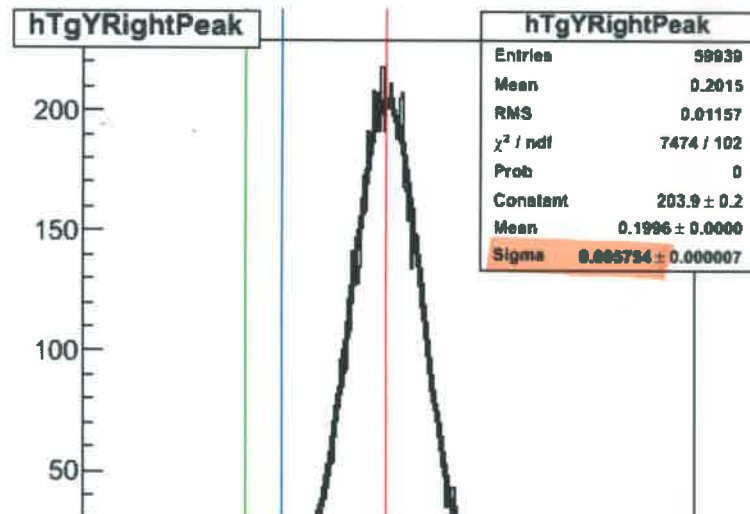
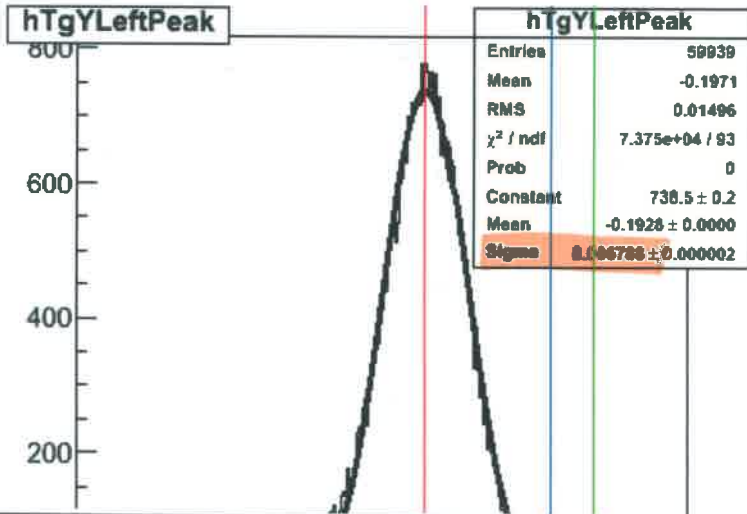
Empty Cell Run

3154, 3155

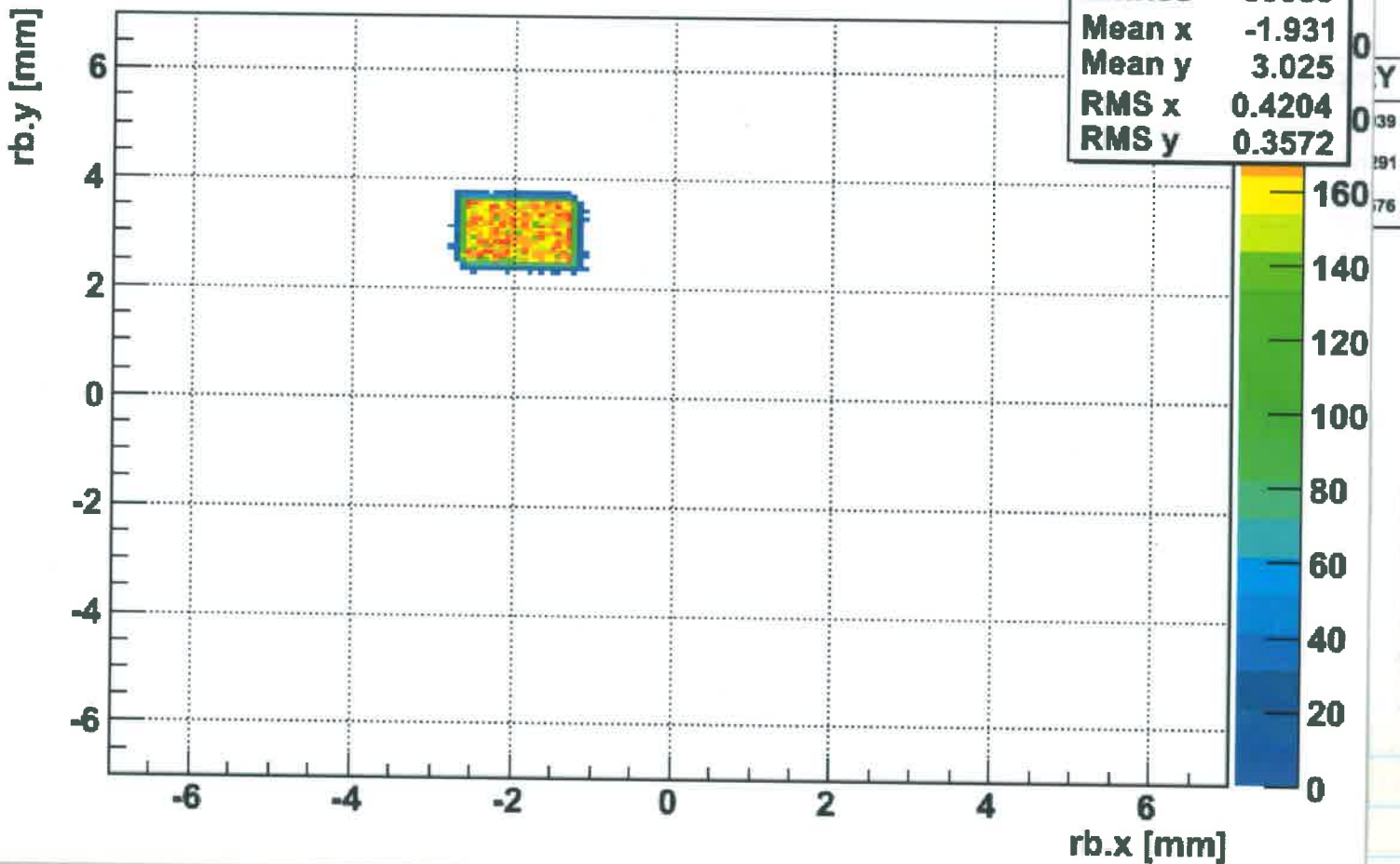
3496, 3585

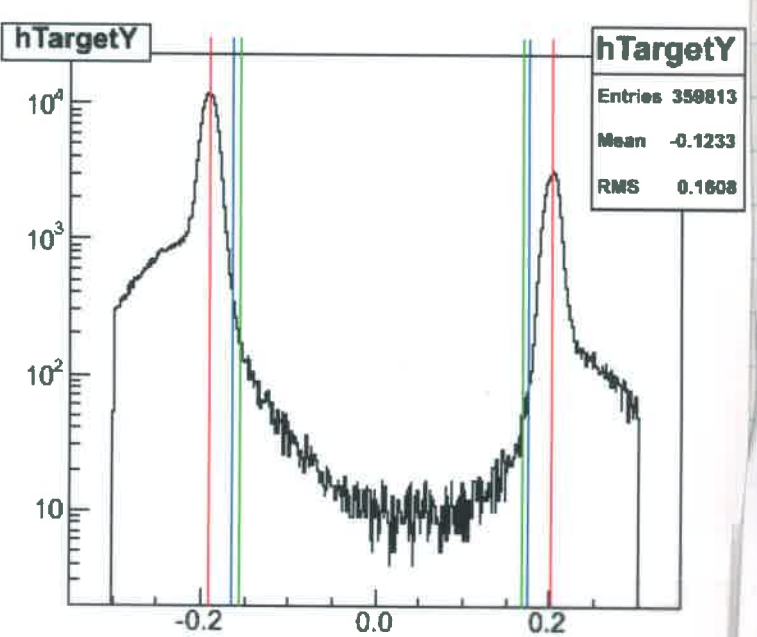
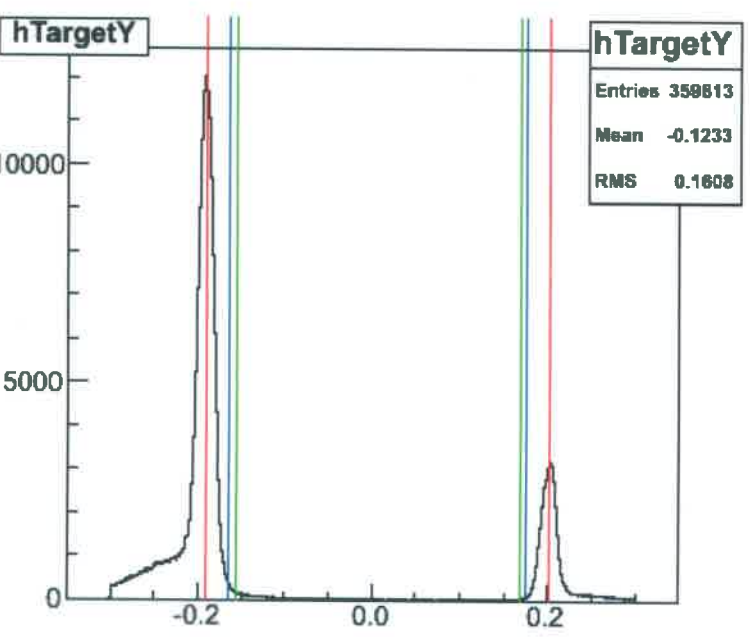
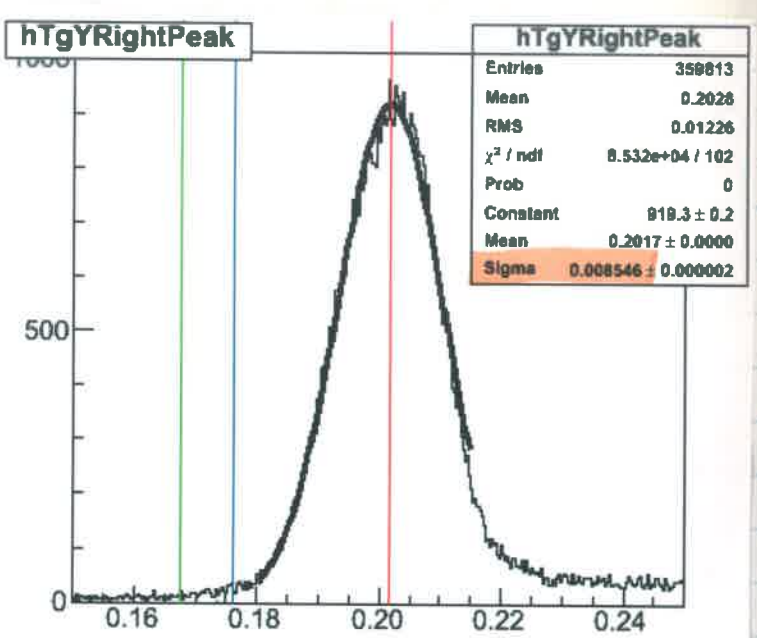
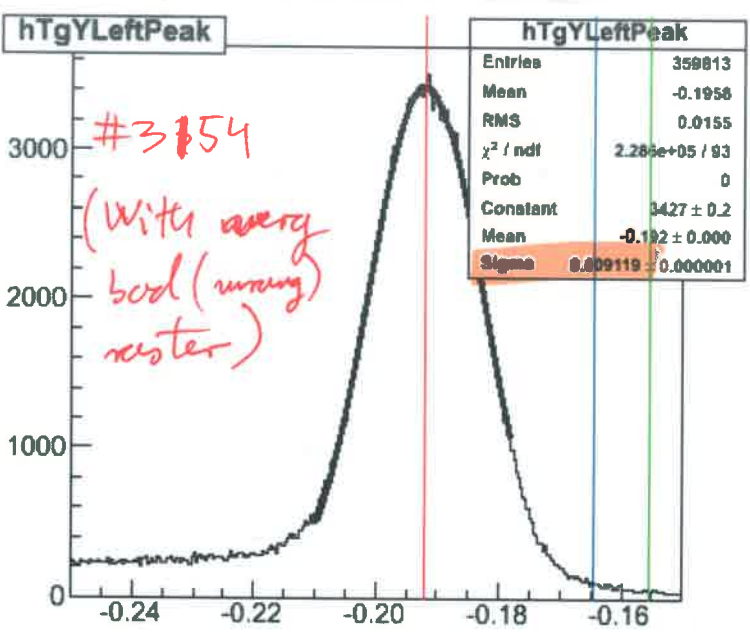
↓
The run de-recycling.

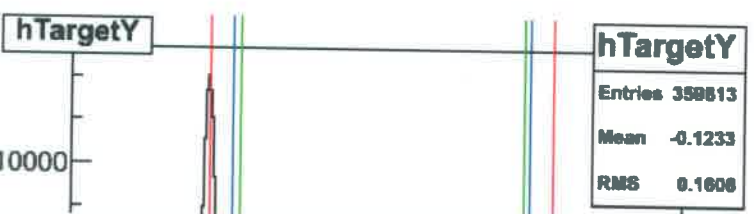
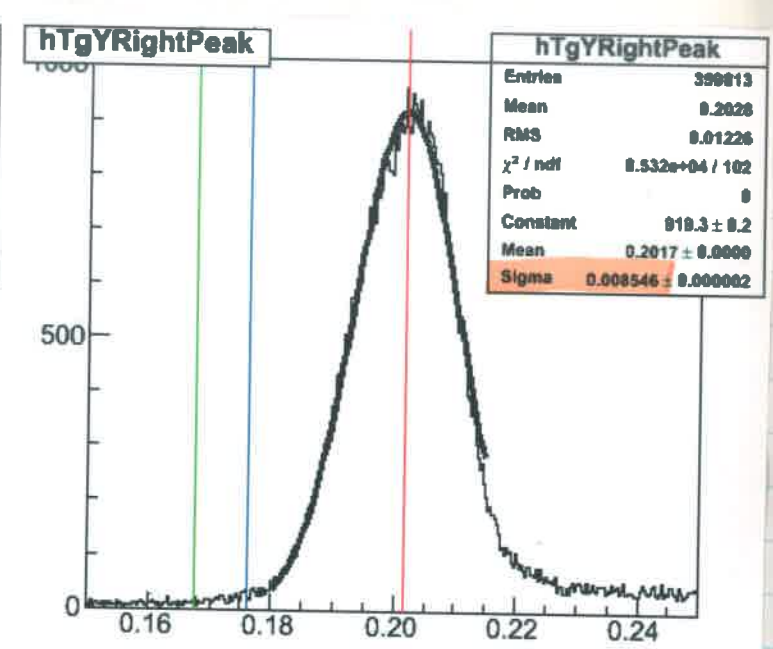
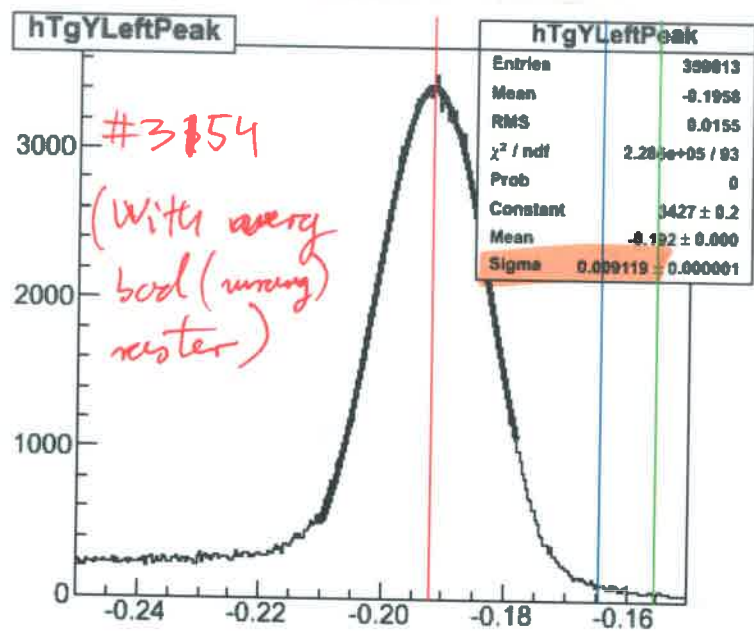
Run #3155 (with wrong raster)



beam at target y vs x







beam at target y vs x

