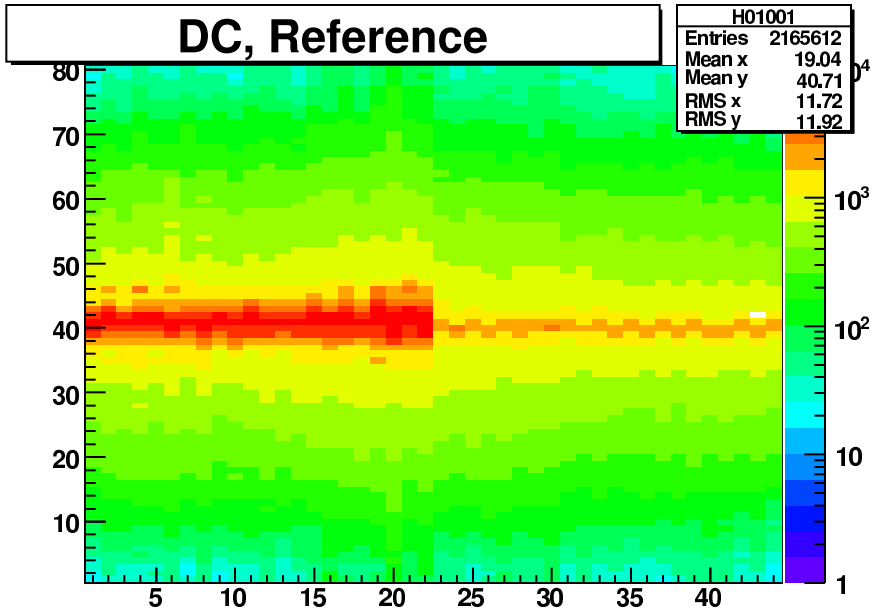
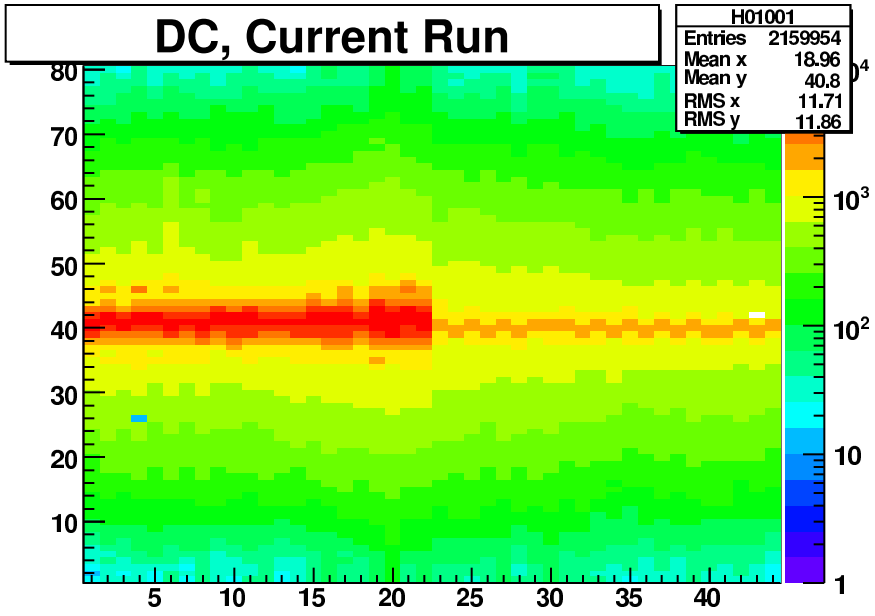
1) Wire Number vs Plane Number





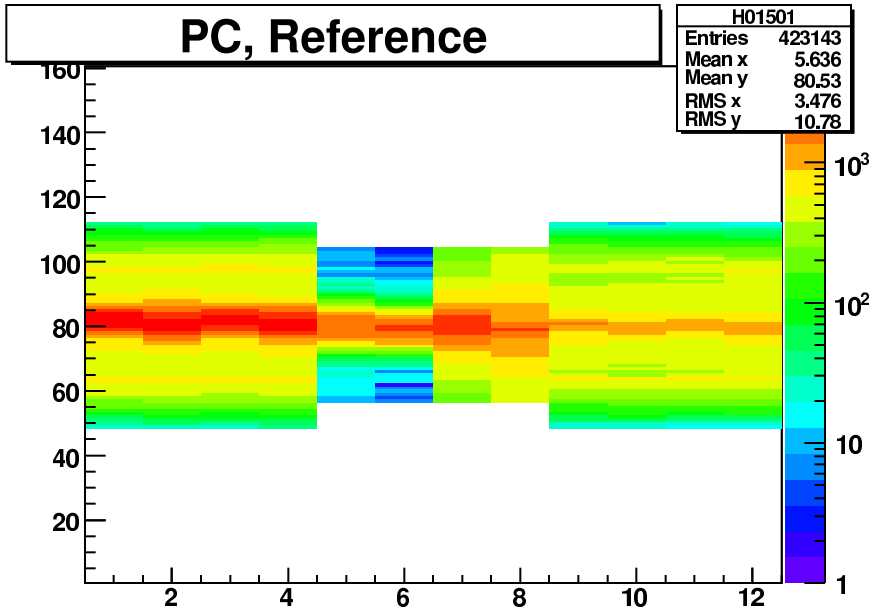
/home/twistonl/online_anal_2007/Oren_Config/WireVsPlane/Oscillations.txt

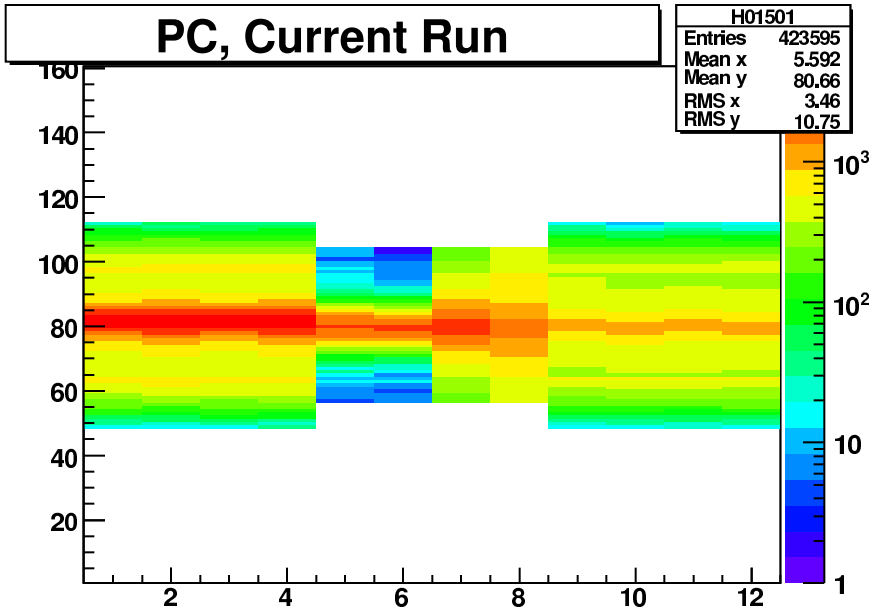
The oscillation of planes can be seen from the history qod, inducing a sudden increase in DC or PC hit multiplicity. They appear also on those wire occupancies plots as bins with very high count compare to the other bins around.

Make a note of which plane you need to stop from oscillating.

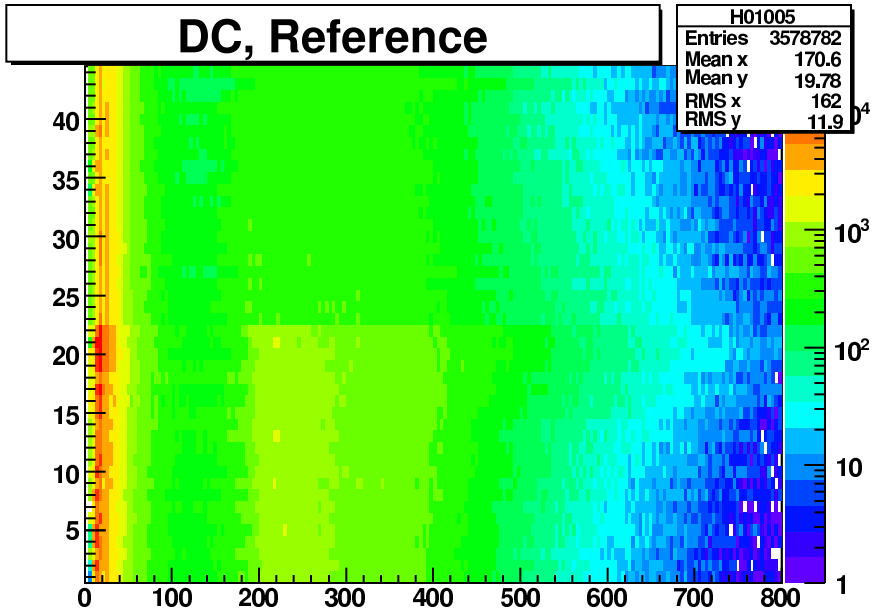
Follow the instructions from :
http://tw04.triumf.ca/private/online/planeoscillation-howto.html

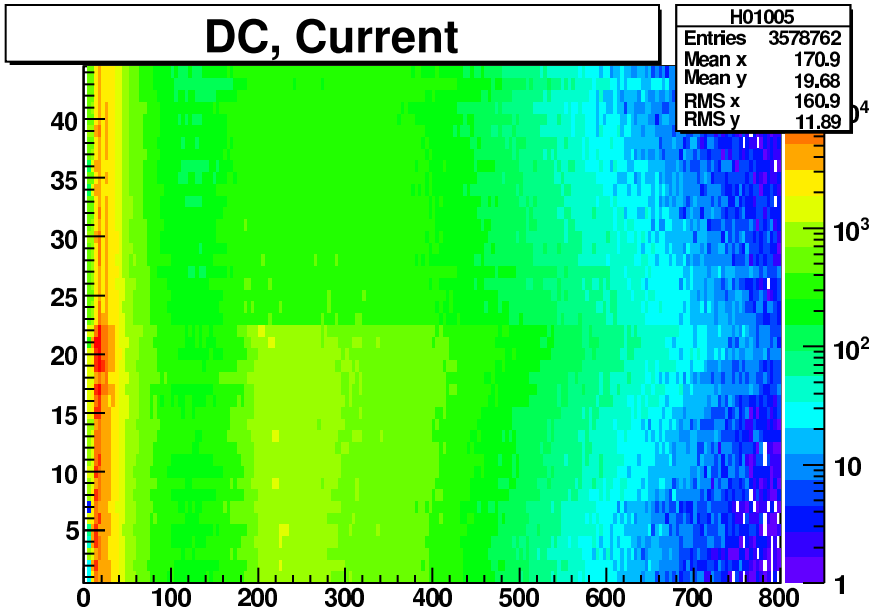
1) Wire Number vs Plane Number

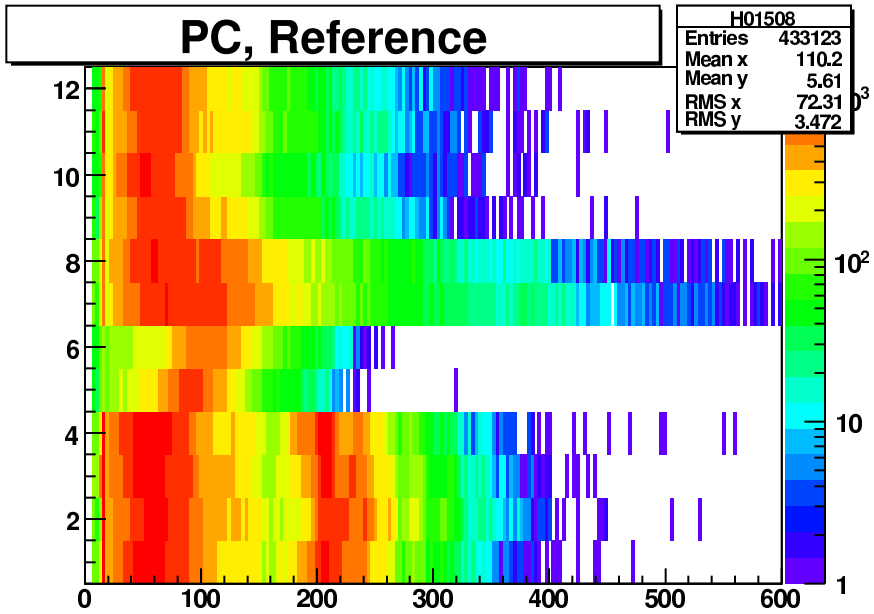


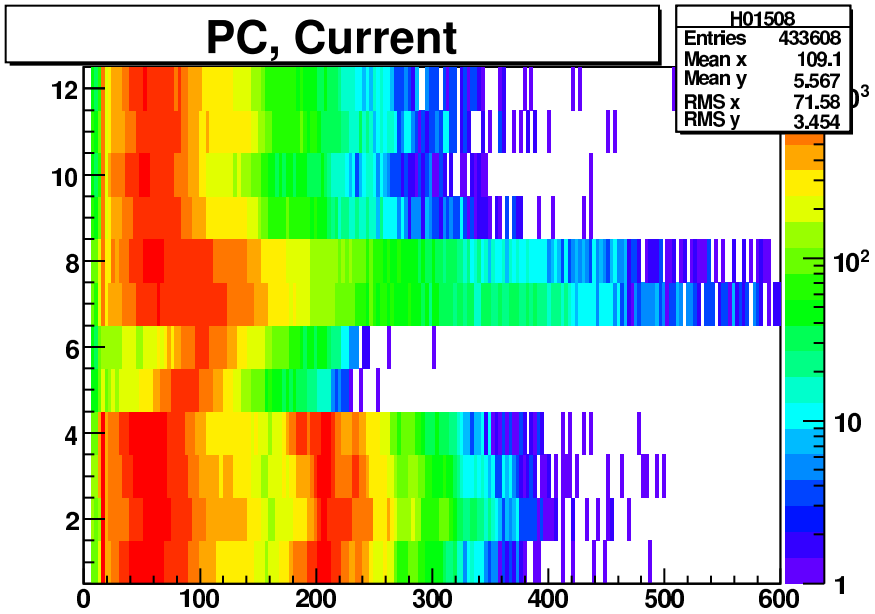


2) TDC width per plane

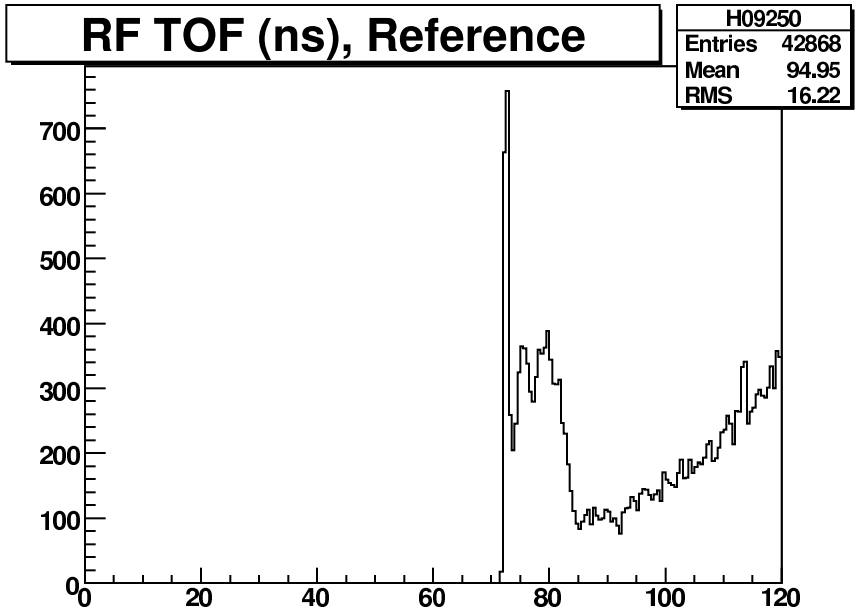


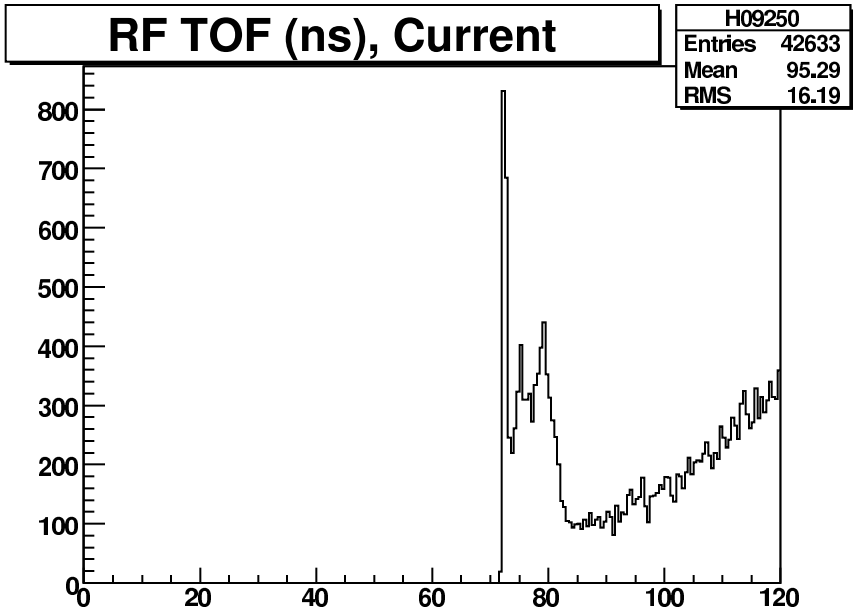


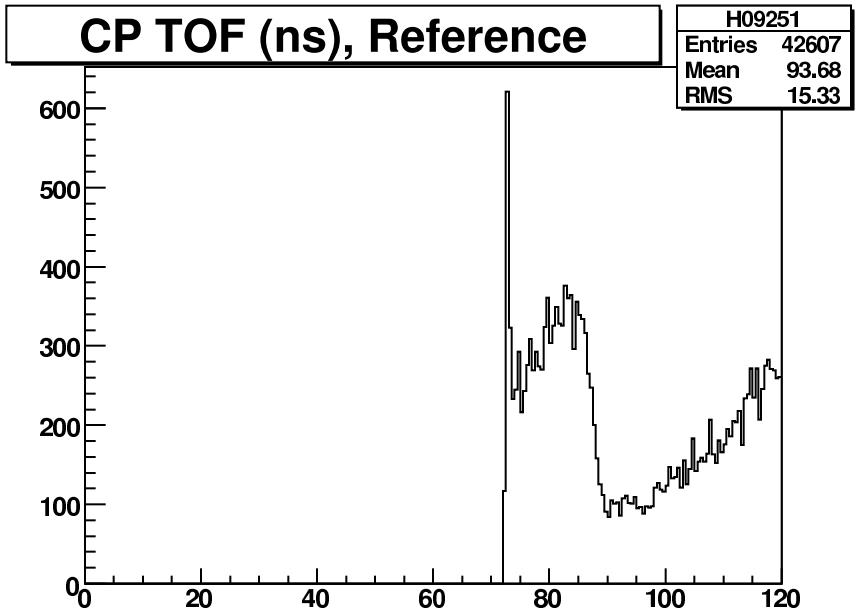


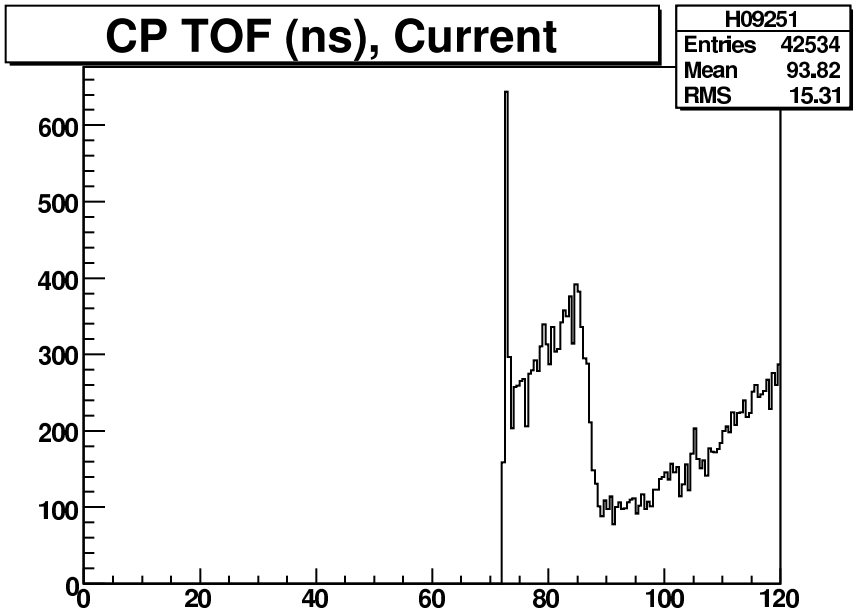


3) Raw Histograms

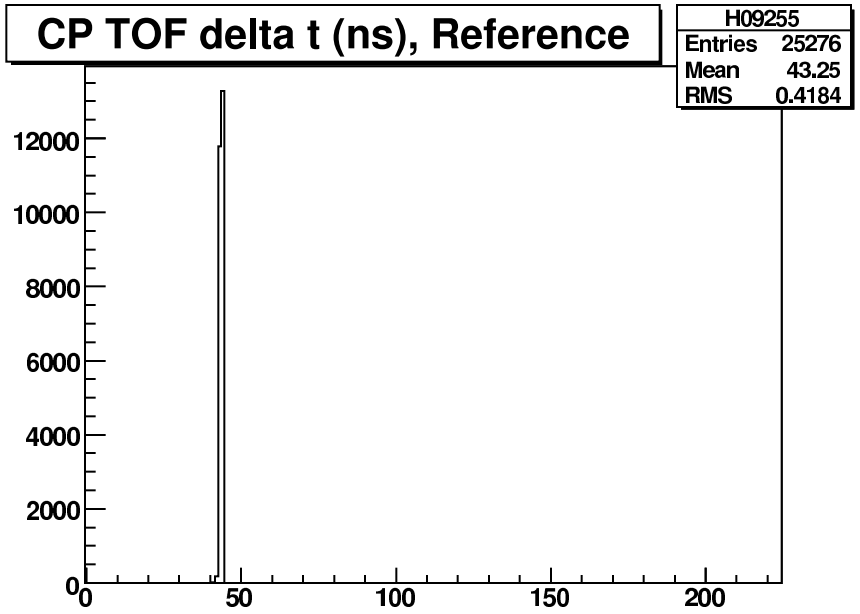


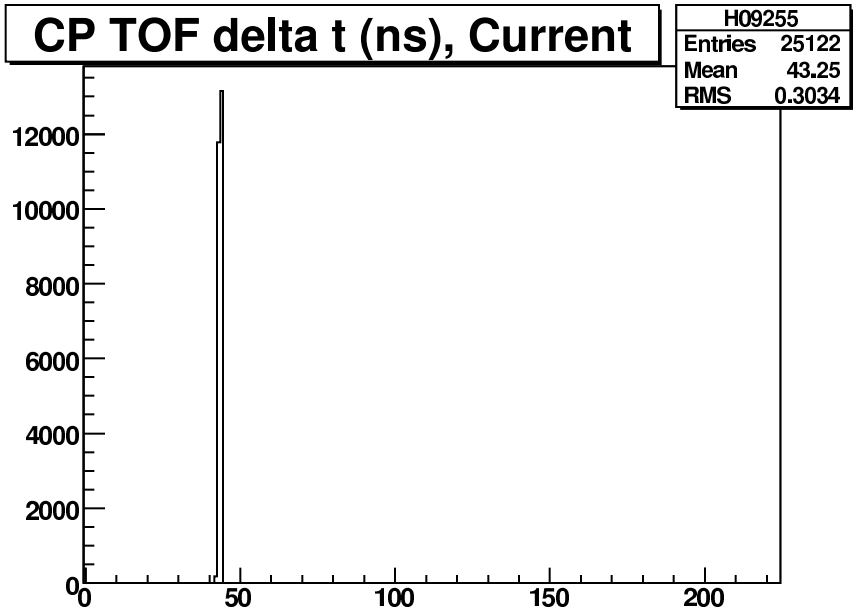


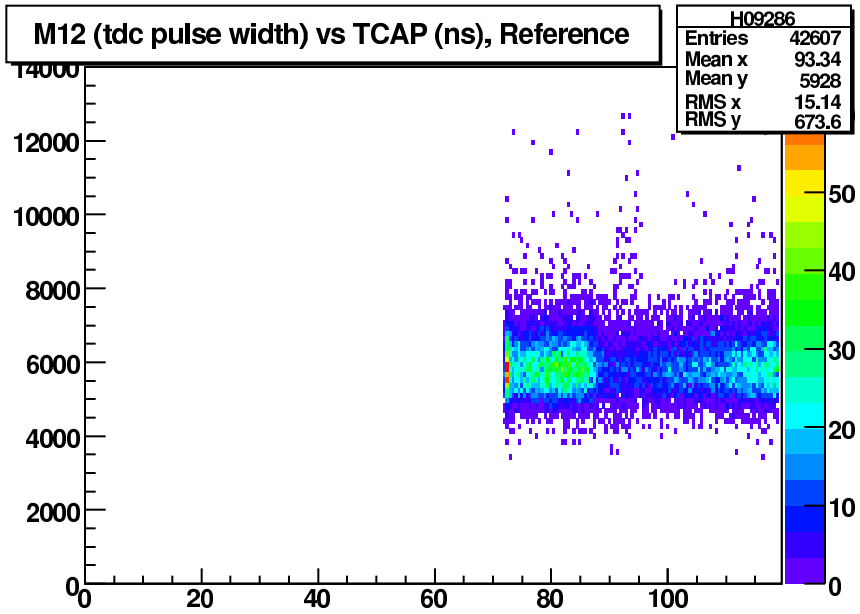


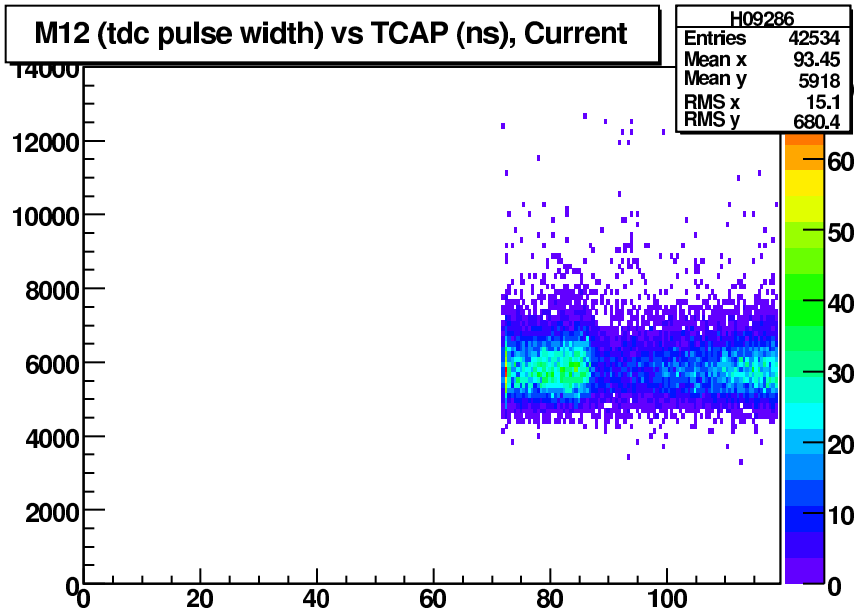


3) Raw Histograms

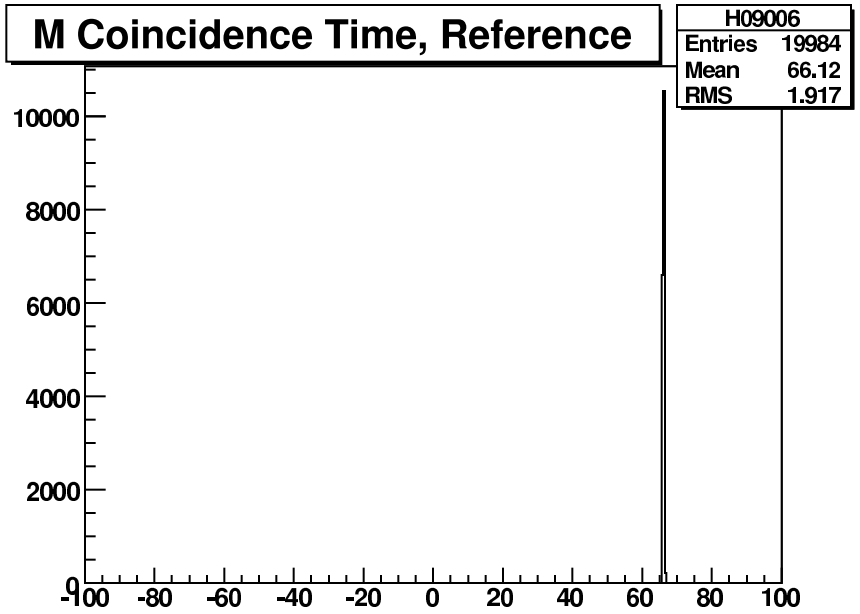


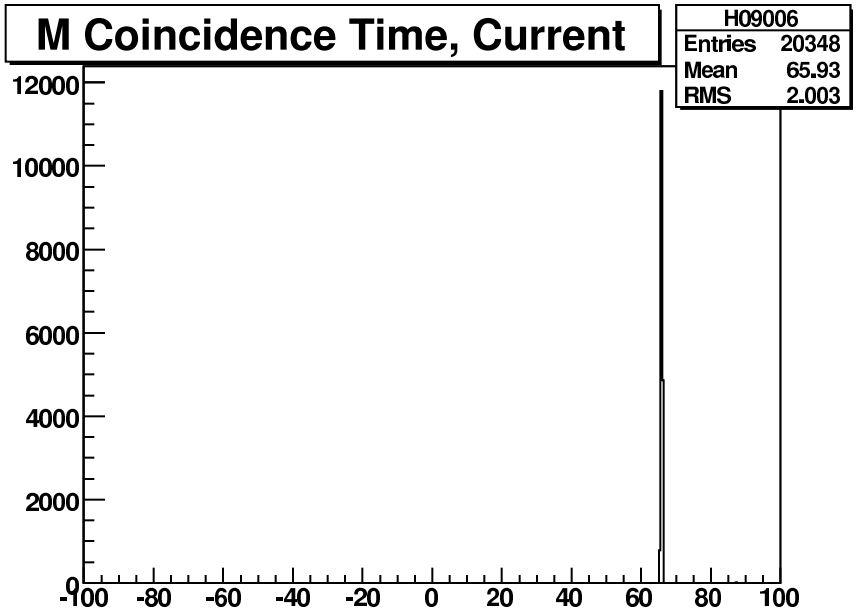


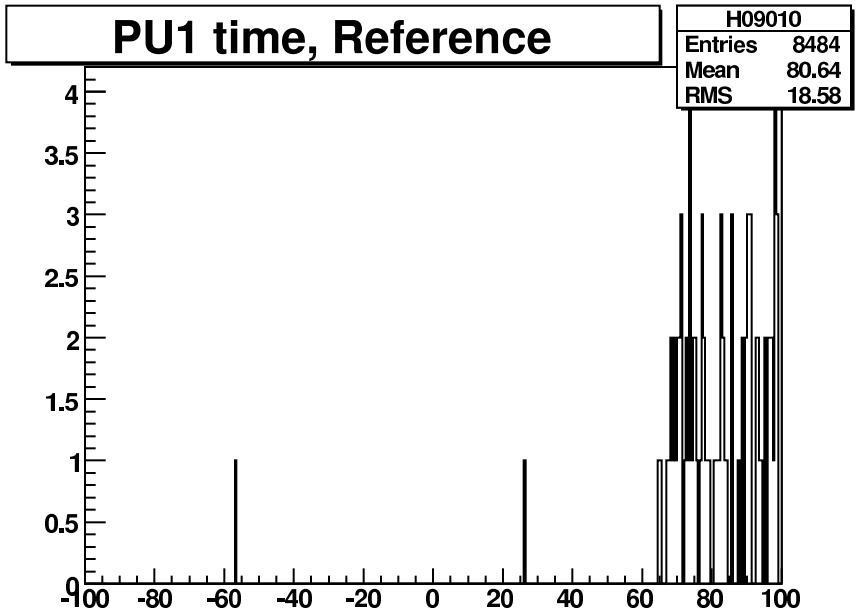


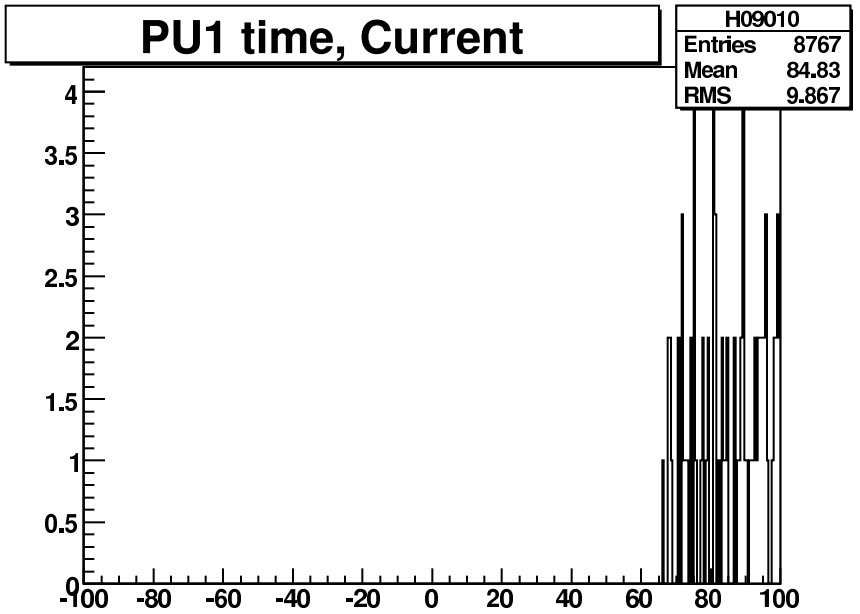


3) Raw Histograms

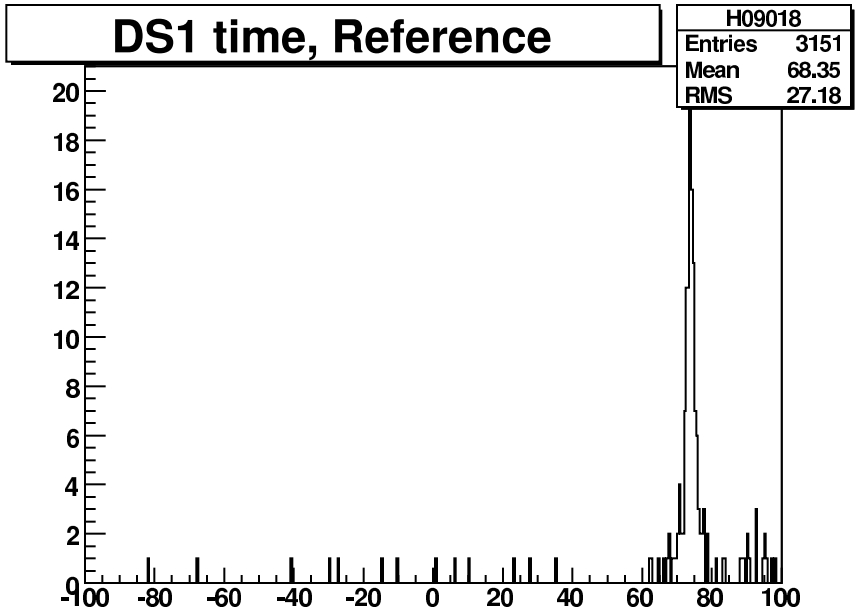


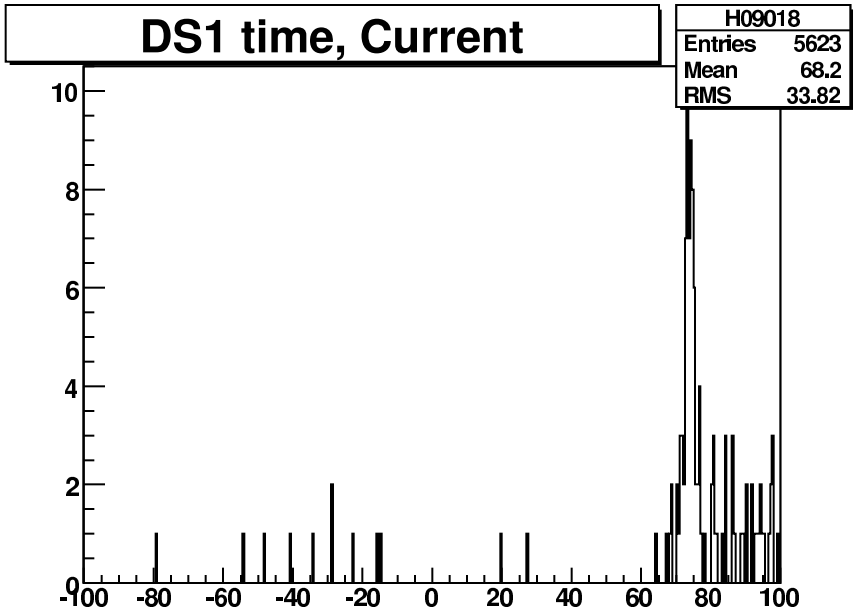


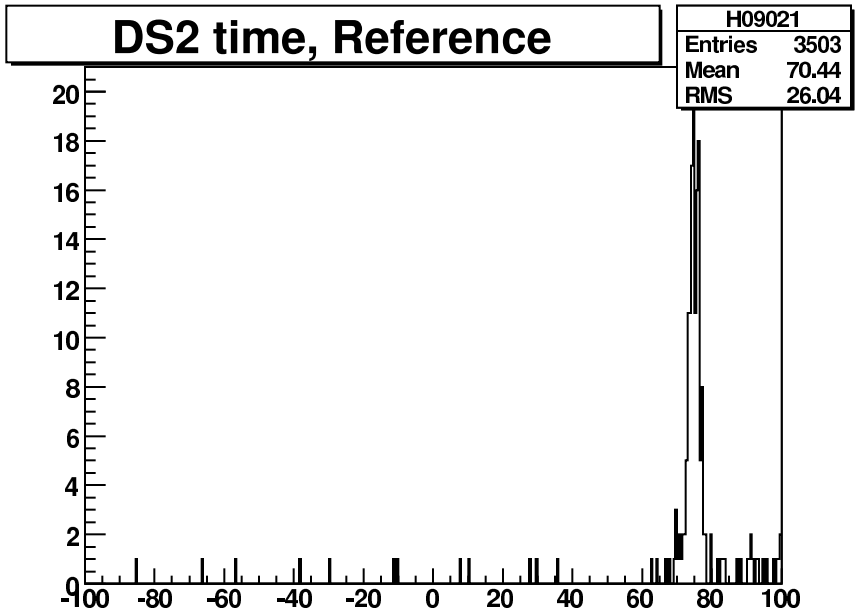


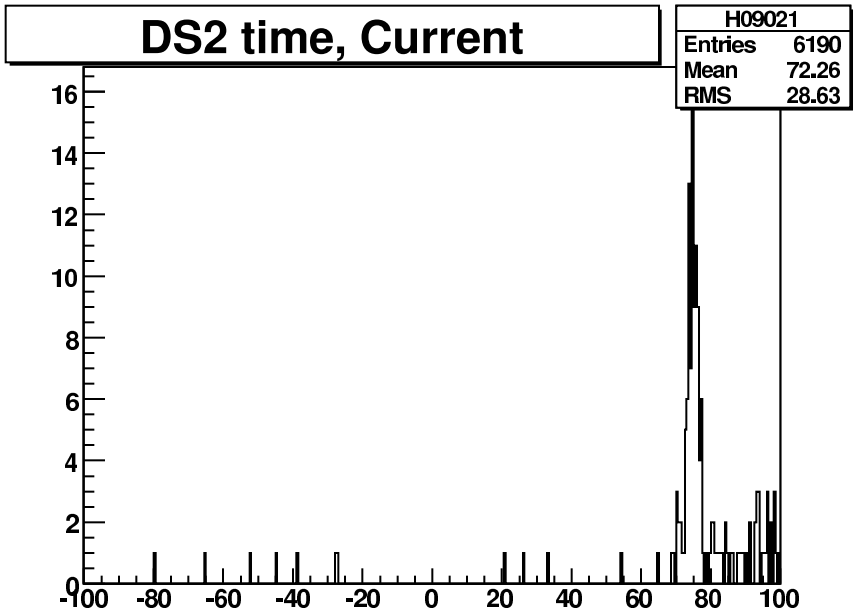


3) Raw Histograms

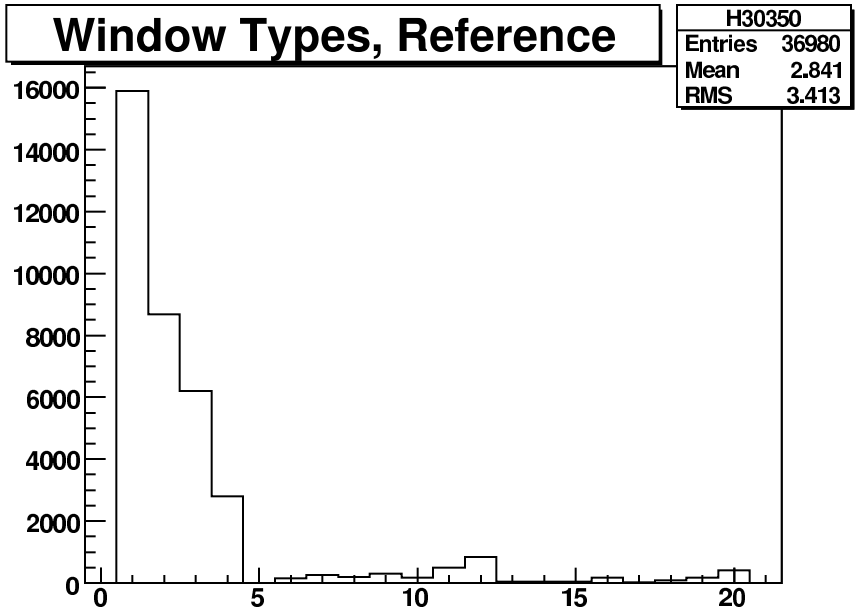


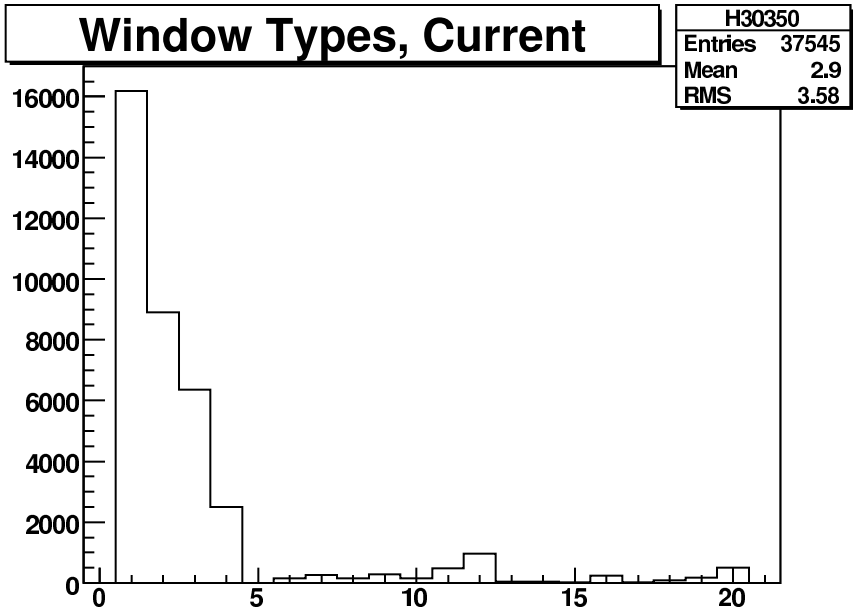


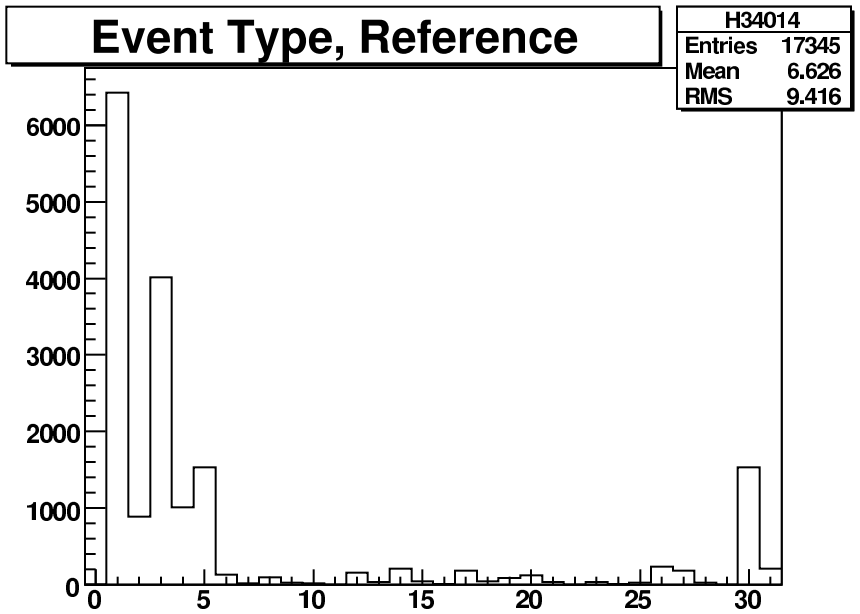


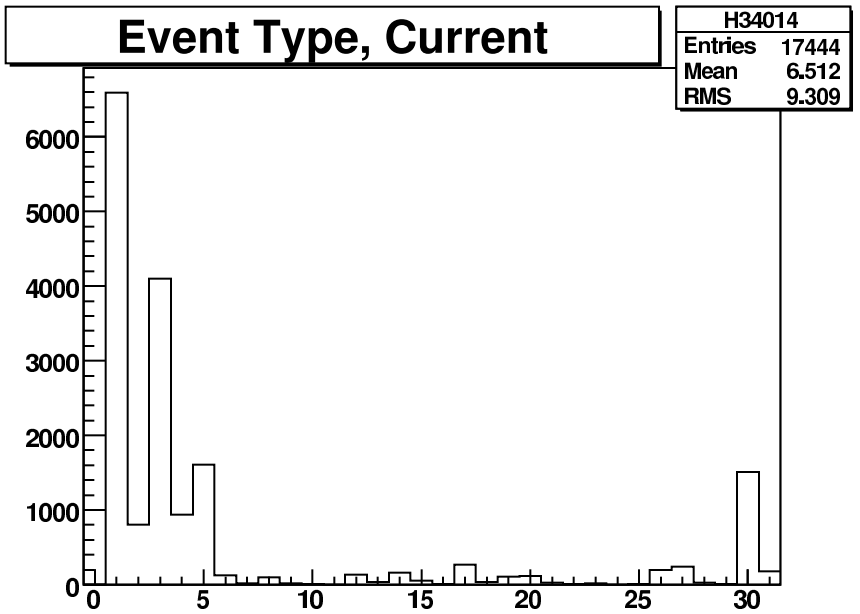


4) Classification

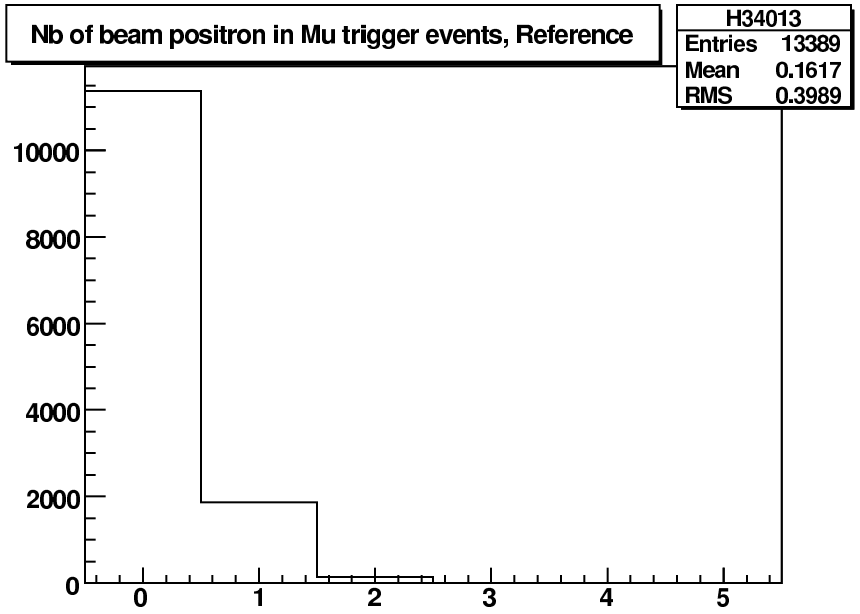


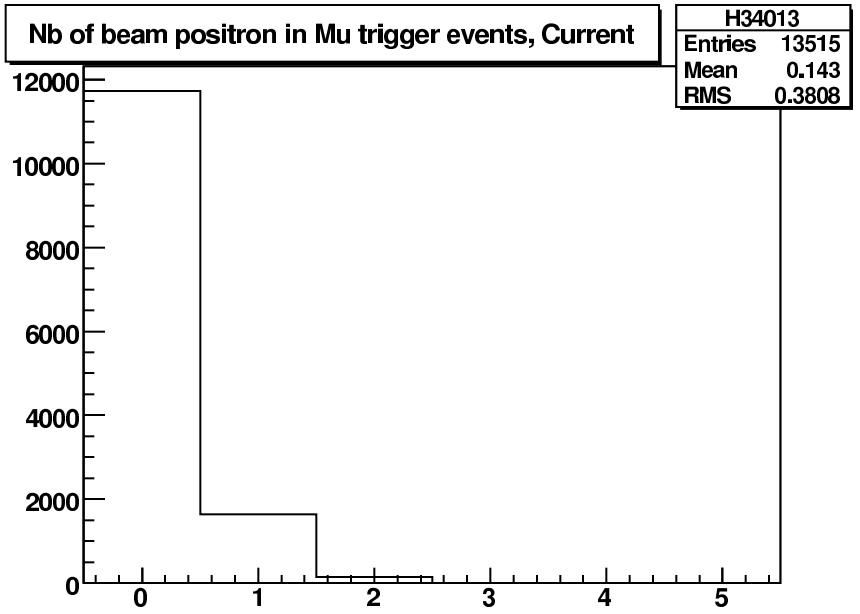


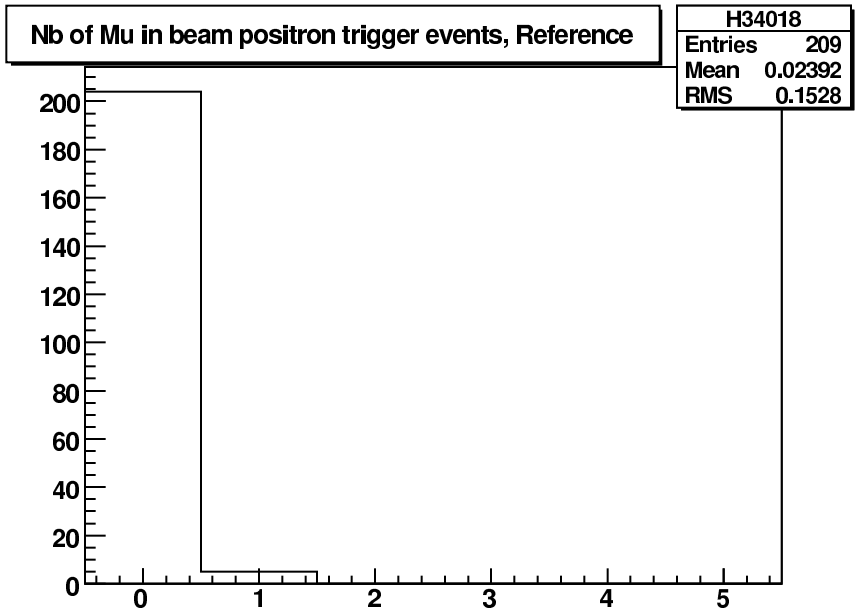


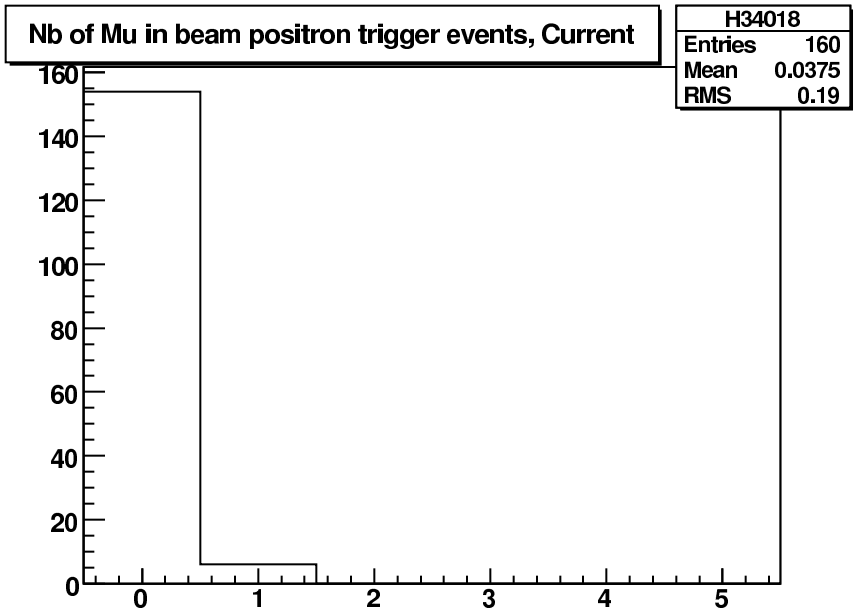


4) Classification

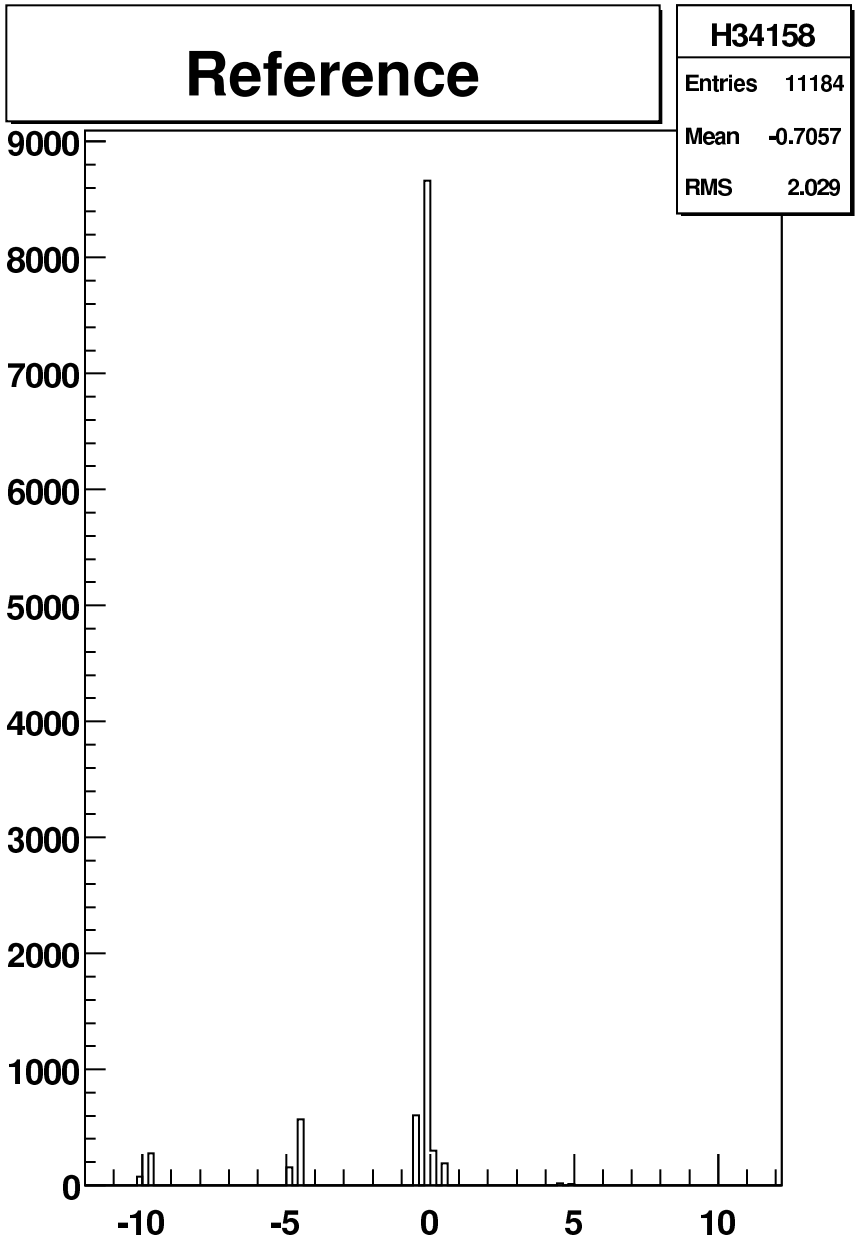


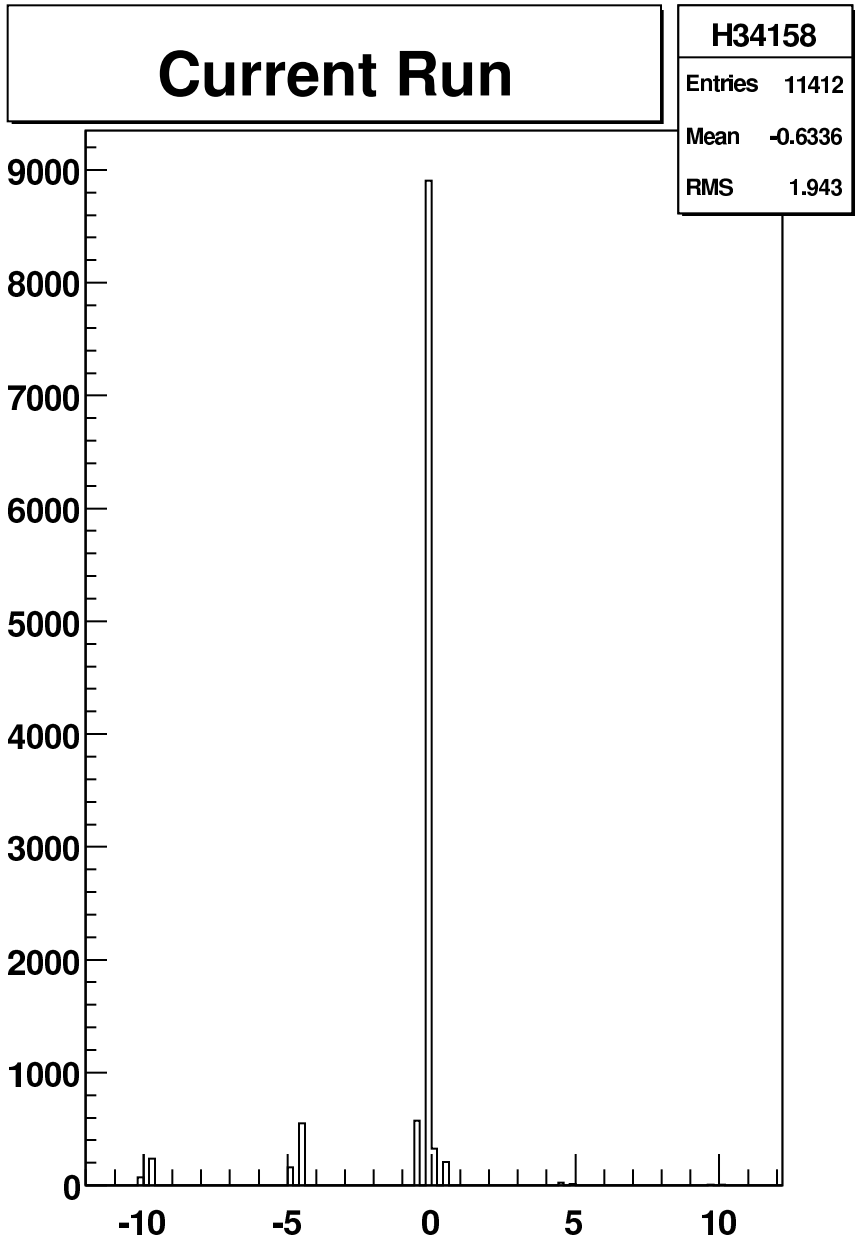




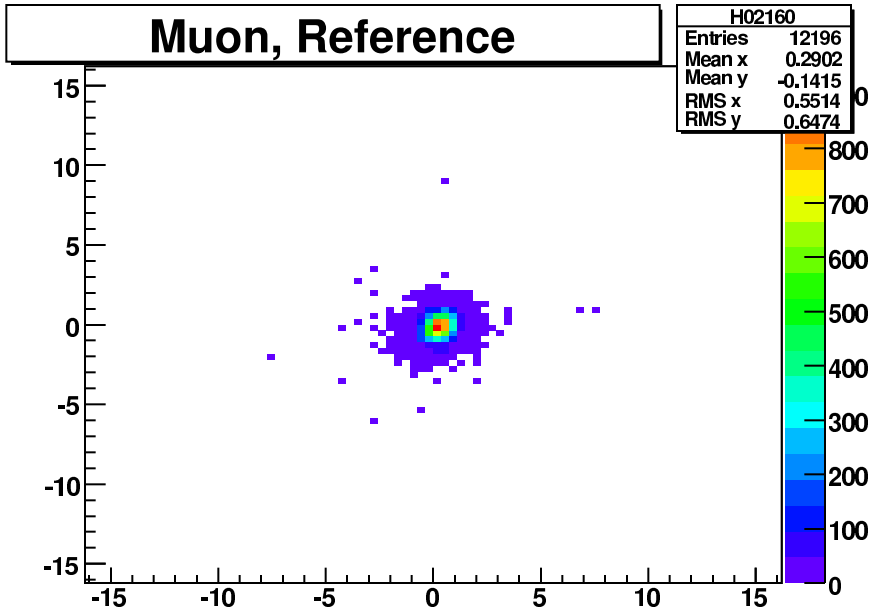


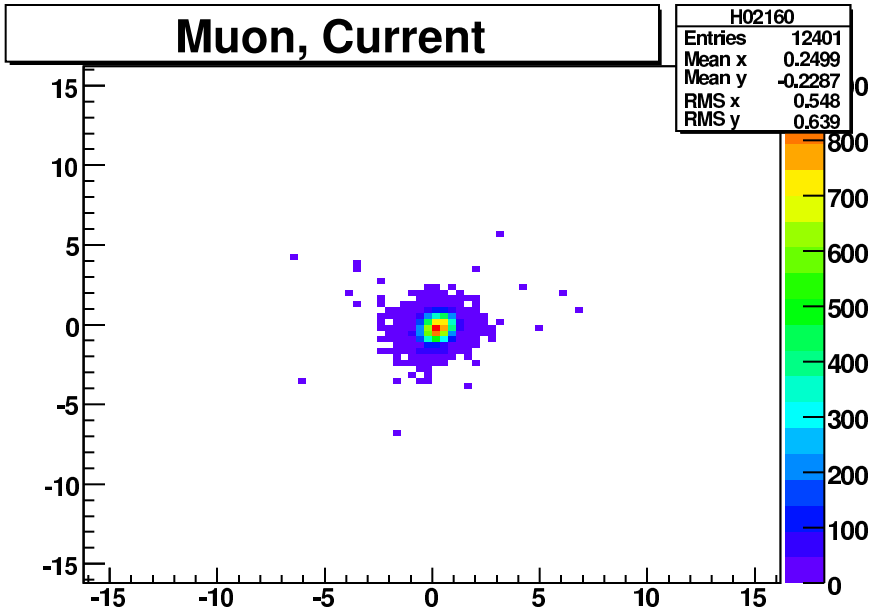
5) Stopping Z position of the muons

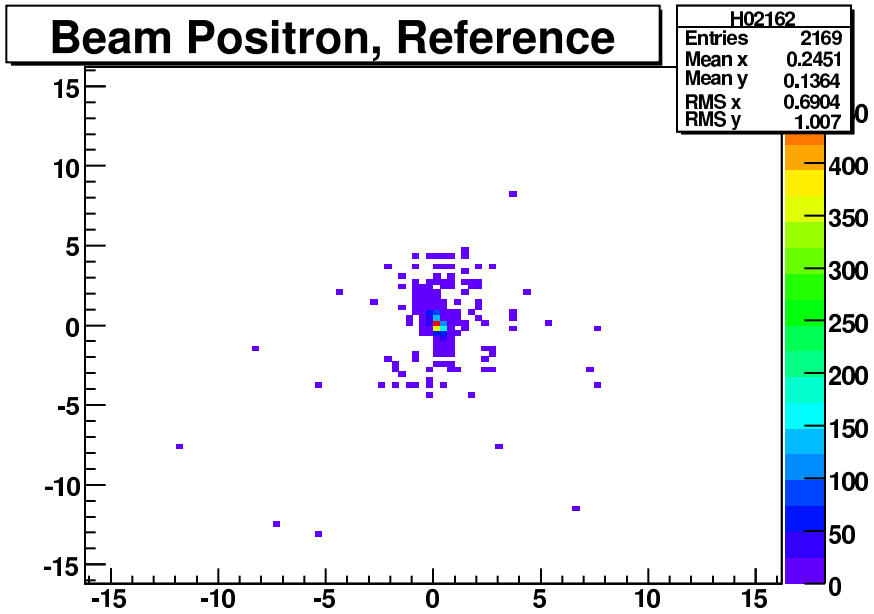


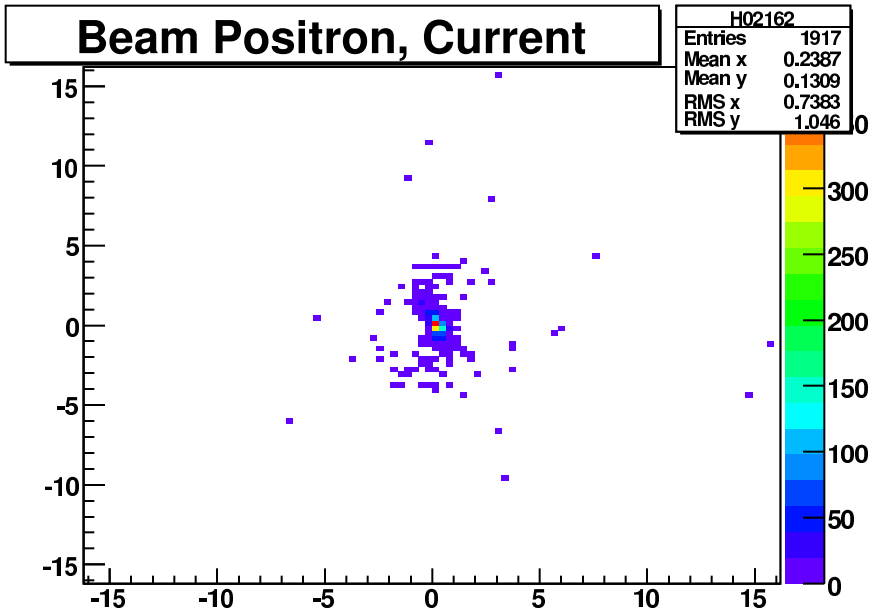


6) Beam Spot, V vs U at first planes hit (cm)

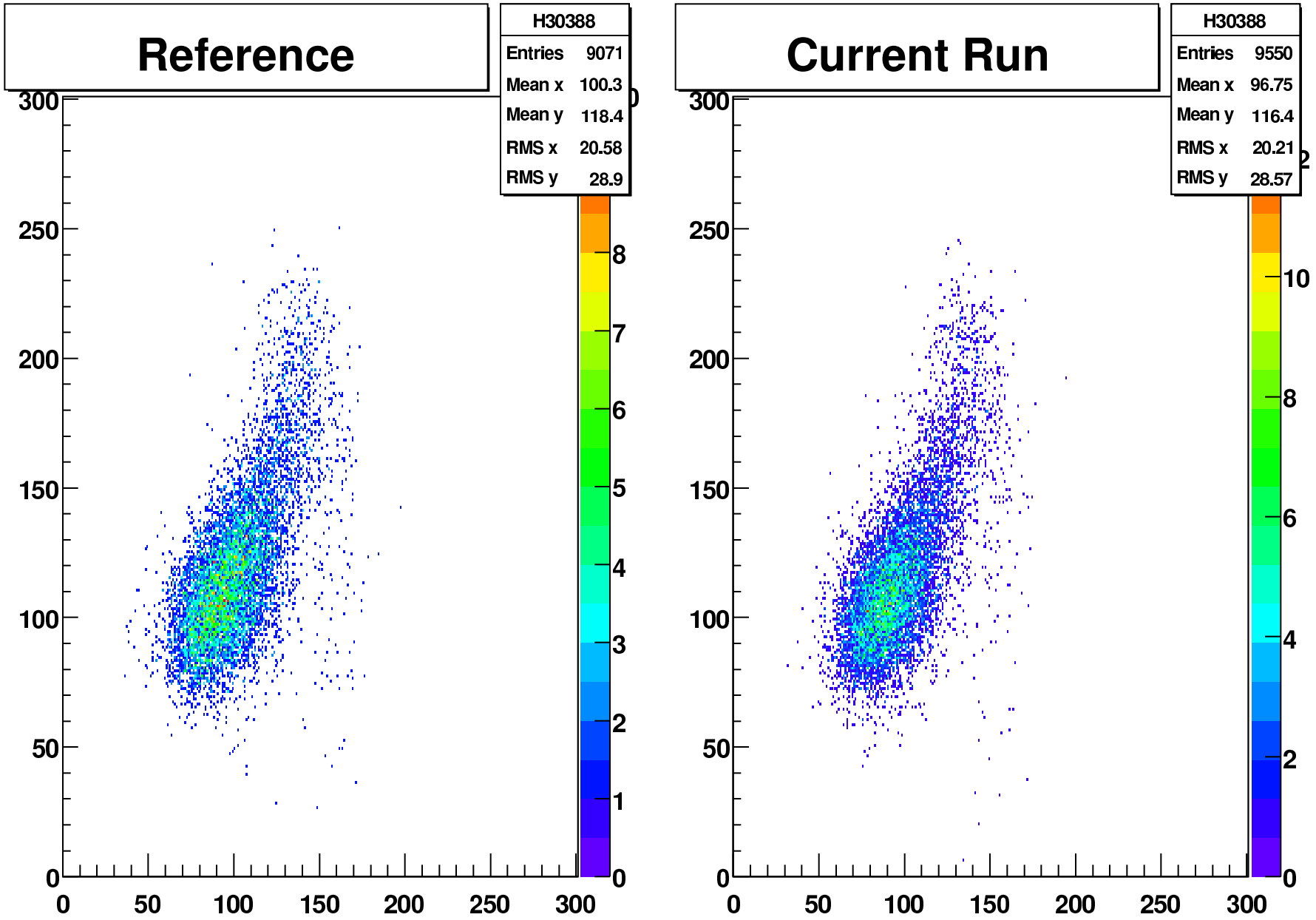




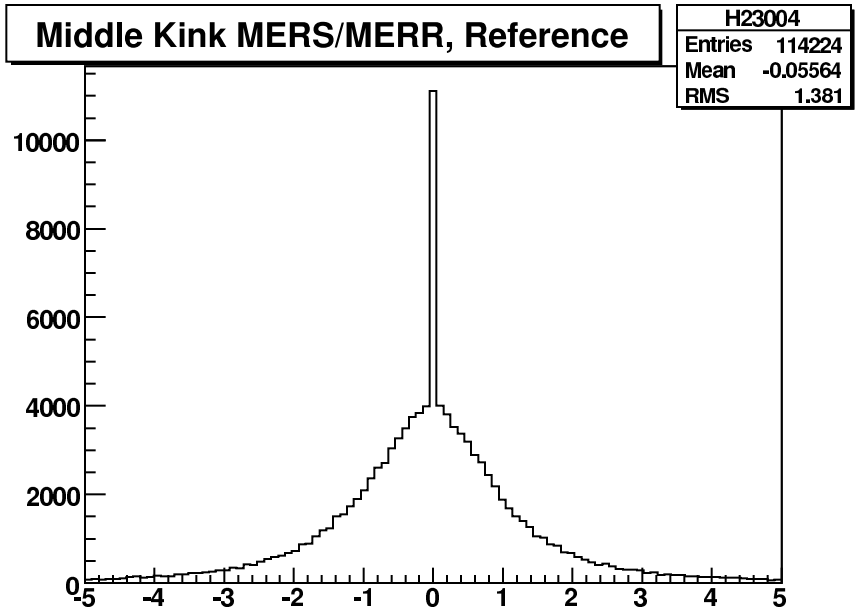


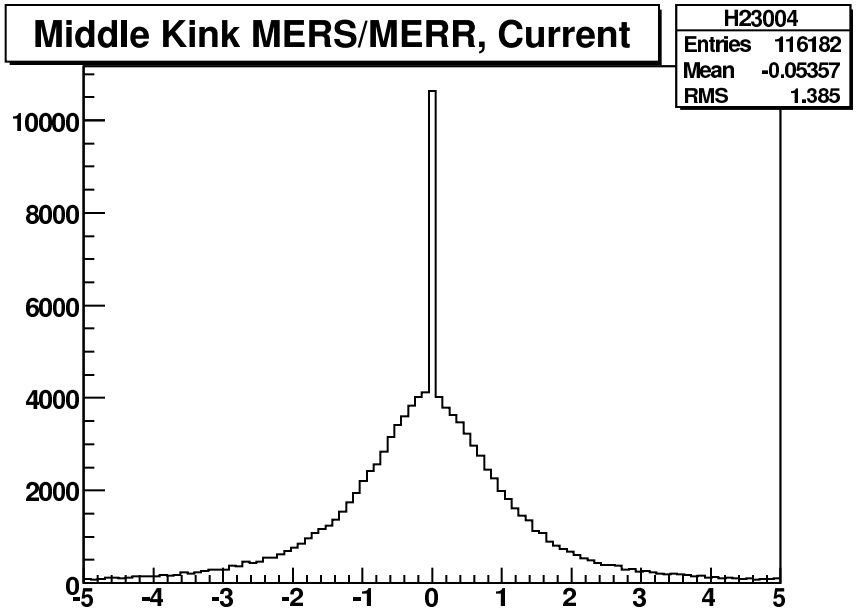


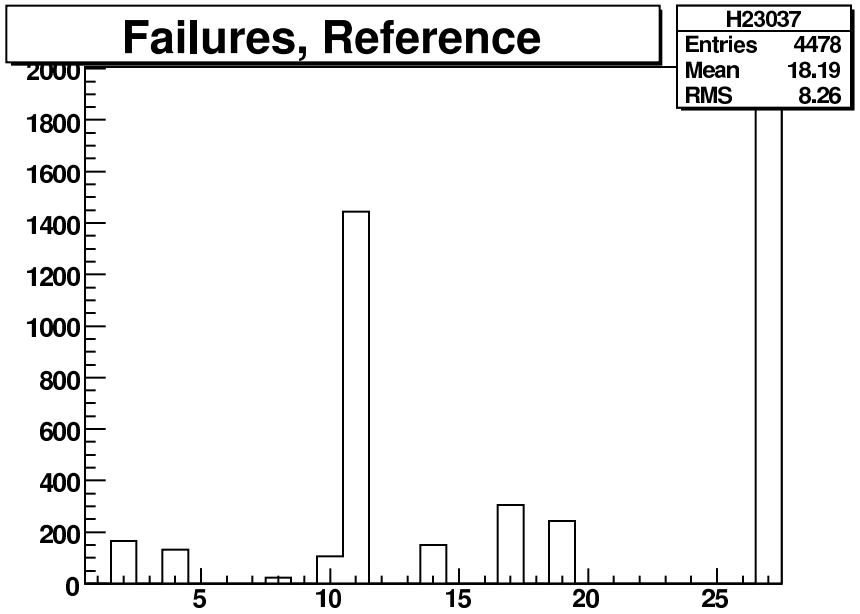
7) TDC Width PC6 vs TDC Width PC5 (PseudoPACT)

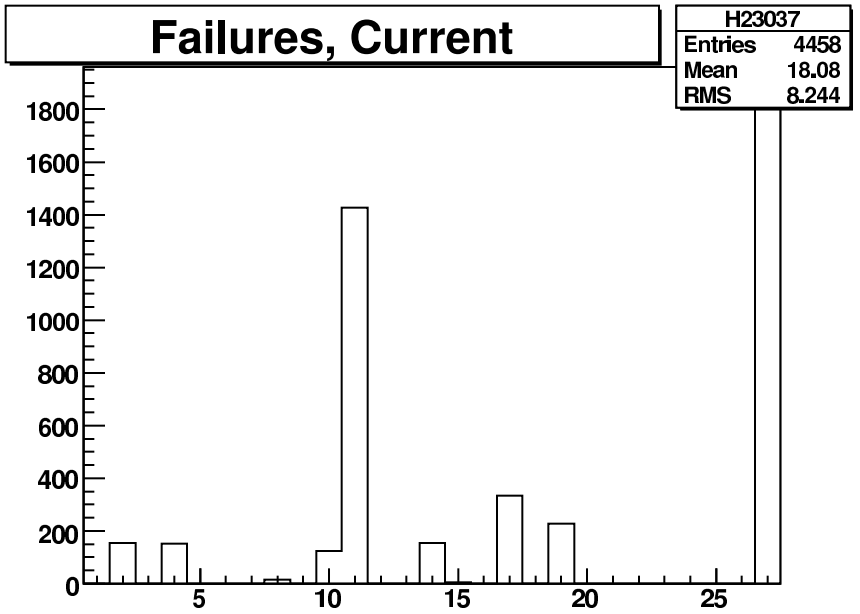


8) Helix Fit

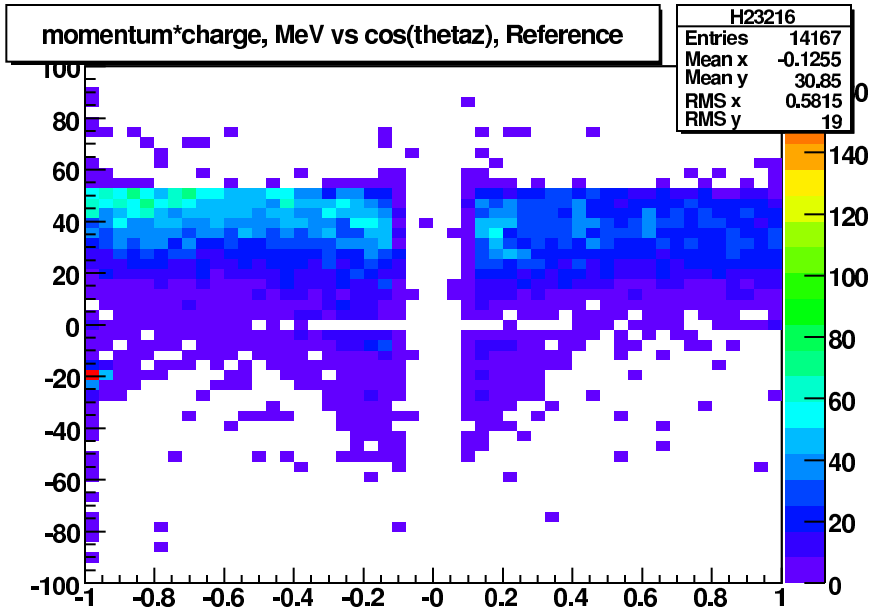

Middle Kink MERS/MERR, Reference
H23004
Entries 114224
Mean -0.05564
RMS 1.381

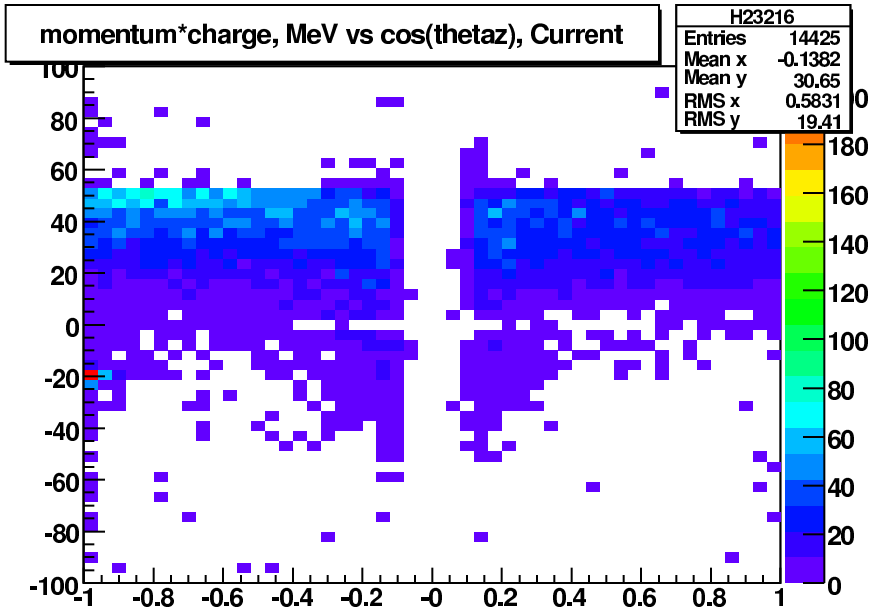

Middle Kink MERS/MERR, Current
H23004
Entries 116182
Mean -0.05357
RMS 1.385

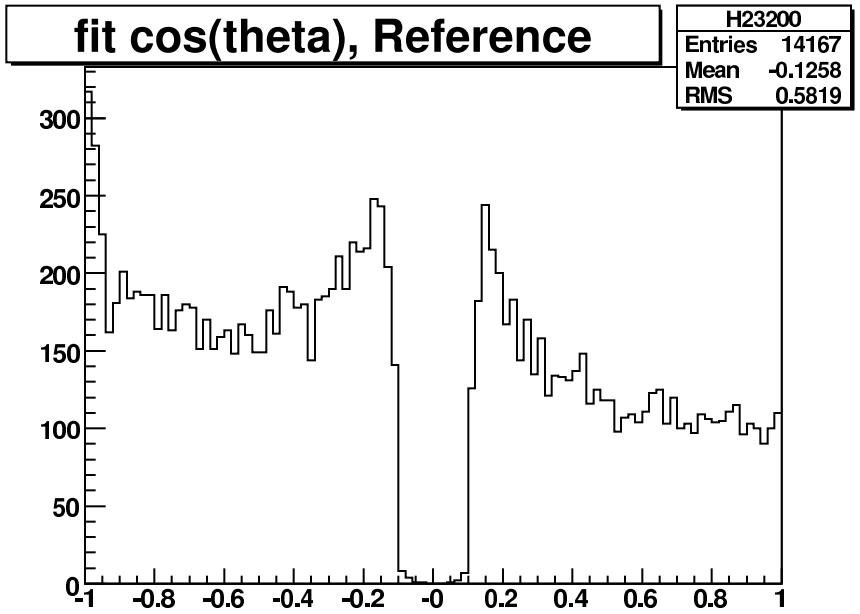

Failures, Reference
H23037
Entries 4478
Mean 18.19
RMS 8.26

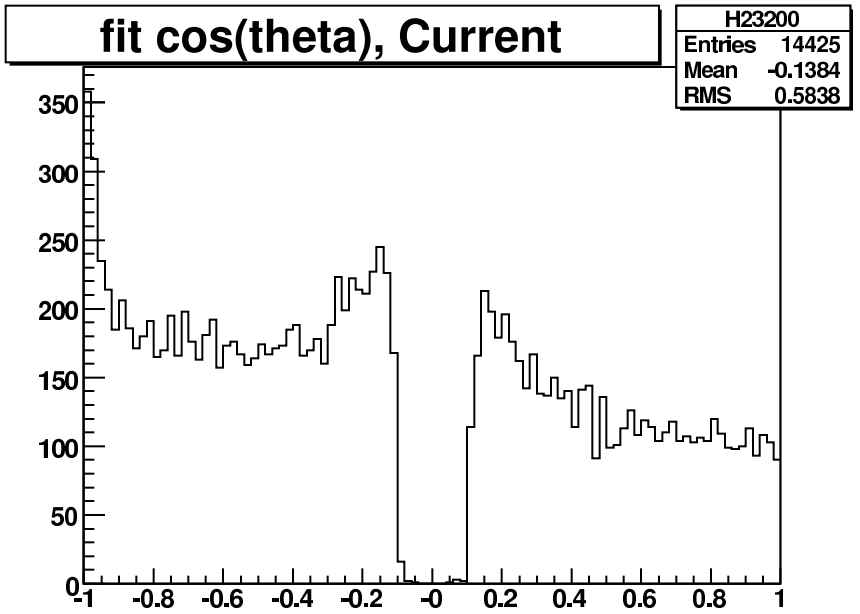

Failures, Current
H23037
Entries 4458
Mean 18.08
RMS 8.244

8) Helix Fit

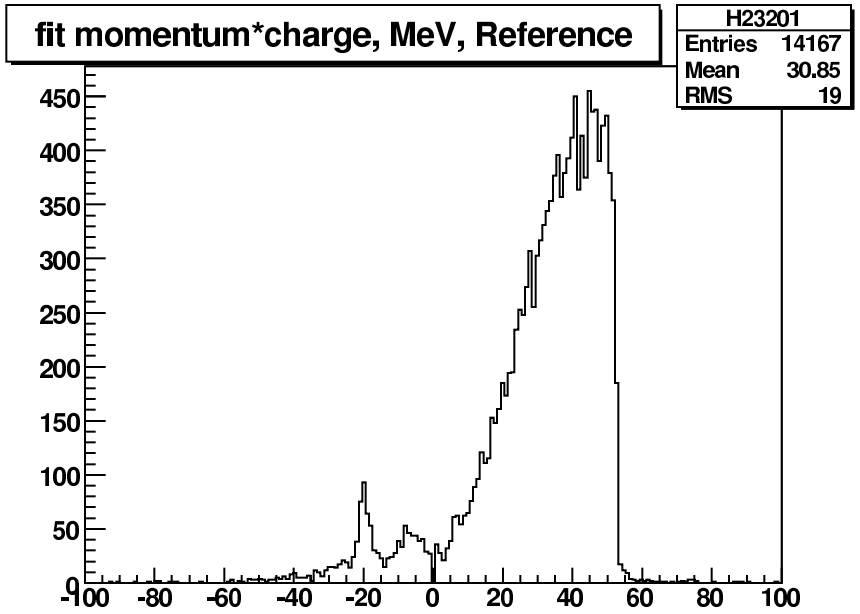

momentum*charge, MeV vs cos(thetaz), Reference
H23216
Entries 14167
Mean x -0.1255
Mean y 30.85
RMS x 0.5815
RMS y 19

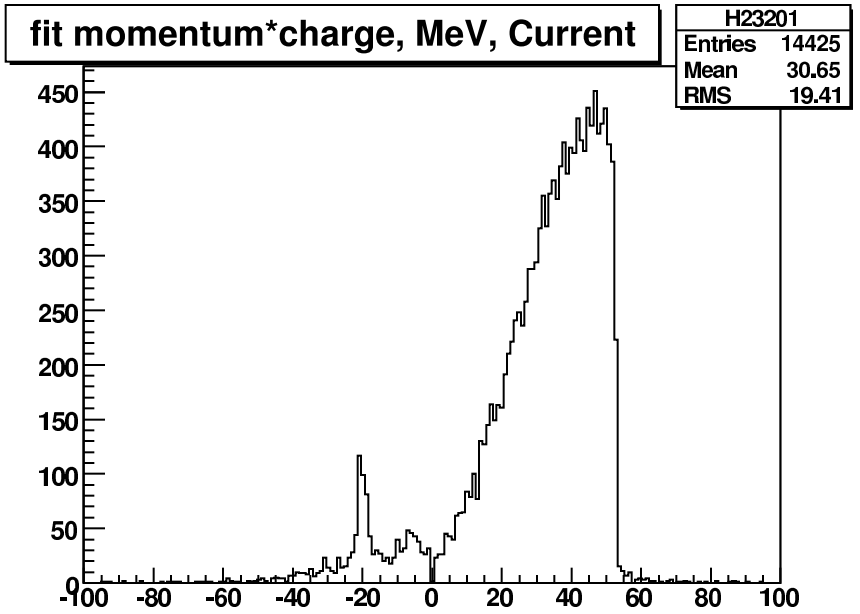

momentum*charge, MeV vs cos(thetaz), Current
H23216
Entries 14425
Mean x -0.1382
Mean y 30.65
RMS x 0.5831
RMS y 19.41

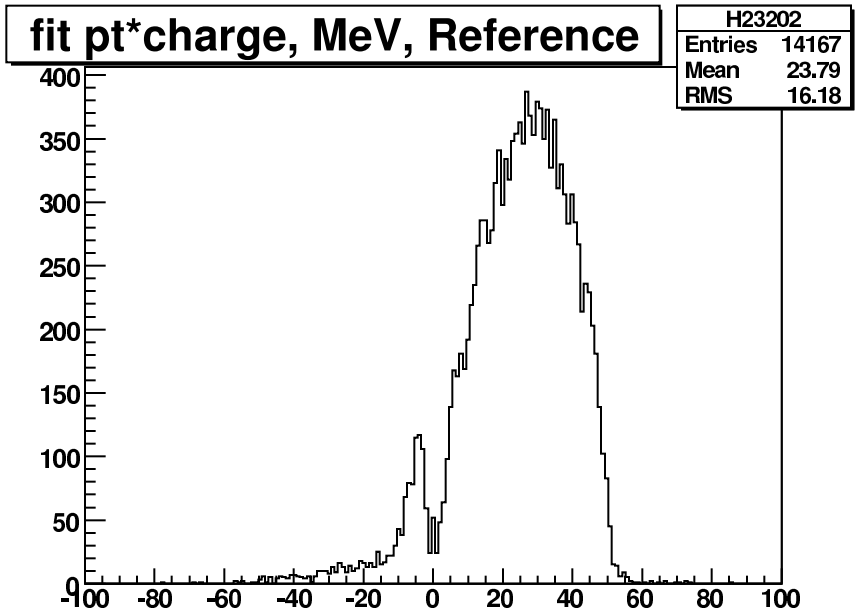

fit cos(theta), Reference
H23200
Entries 14167
Mean -0.1258
RMS 0.5819

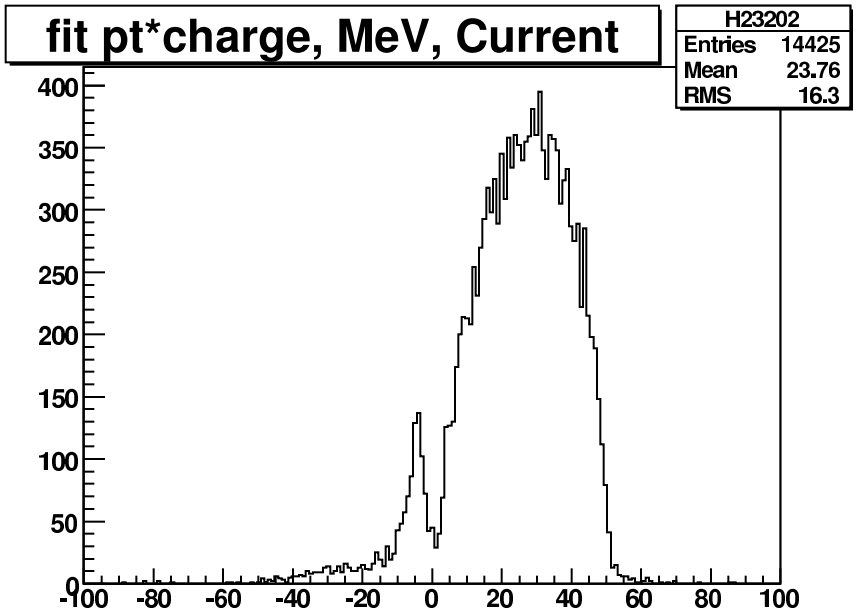

fit cos(theta), Current
H23200
Entries 14425
Mean -0.1384
RMS 0.5838

8) Helix Fit

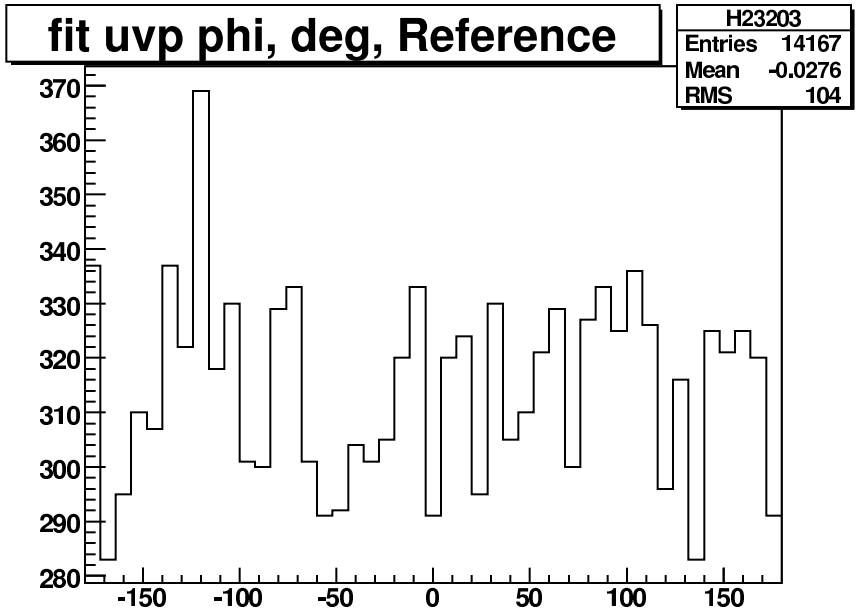

fit momentum*charge, MeV, Reference
H23201
Entries 14167
Mean 30.85
RMS 19

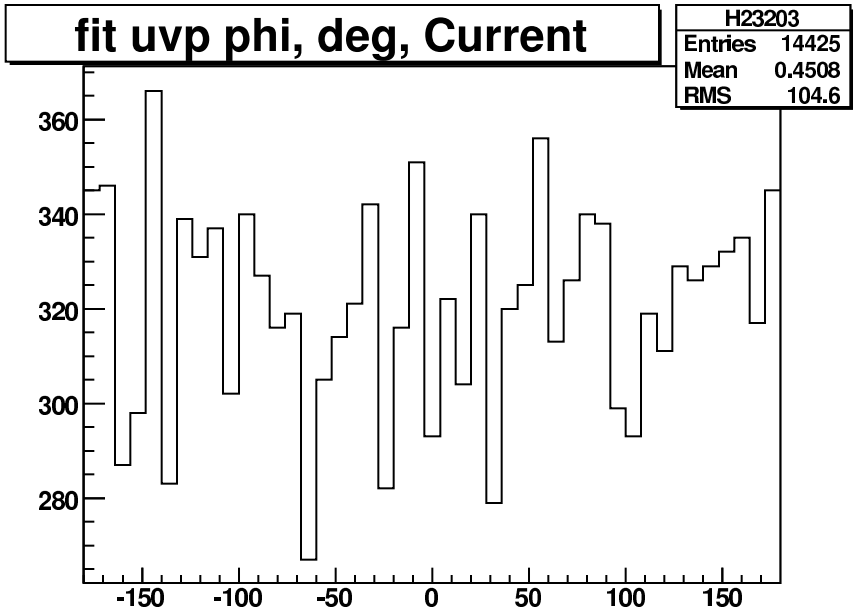

fit momentum*charge, MeV, Current
H23201
Entries 14425
Mean 30.65
RMS 19.41

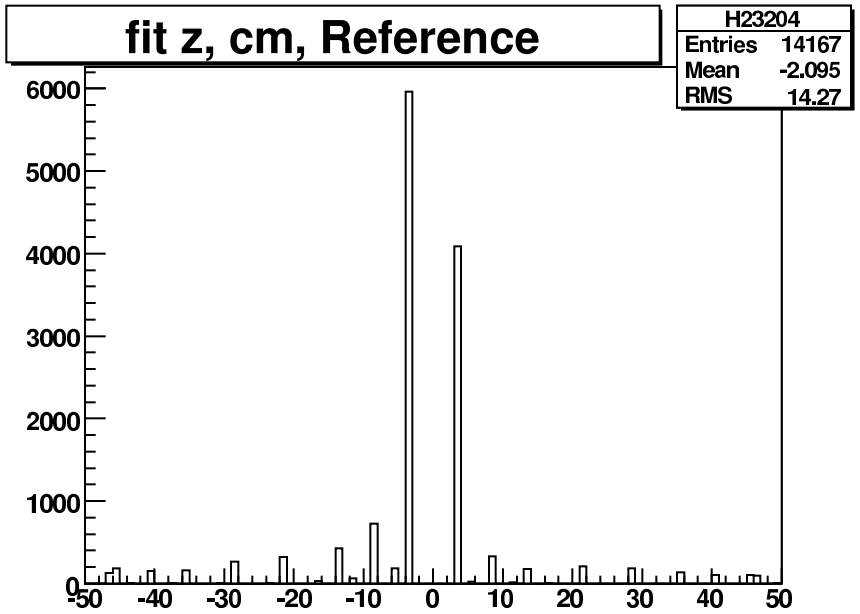

fit pt*charge, MeV, Reference
H23202
Entries 14167
Mean 23.79
RMS 16.18

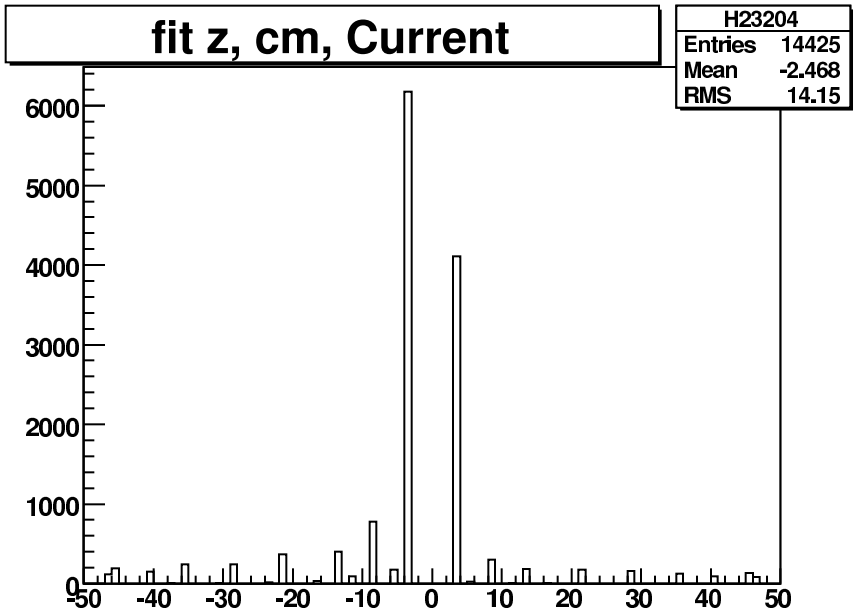

fit pt*charge, MeV, Current
H23202
Entries 14425
Mean 23.76
RMS 16.3

8) Helix Fit

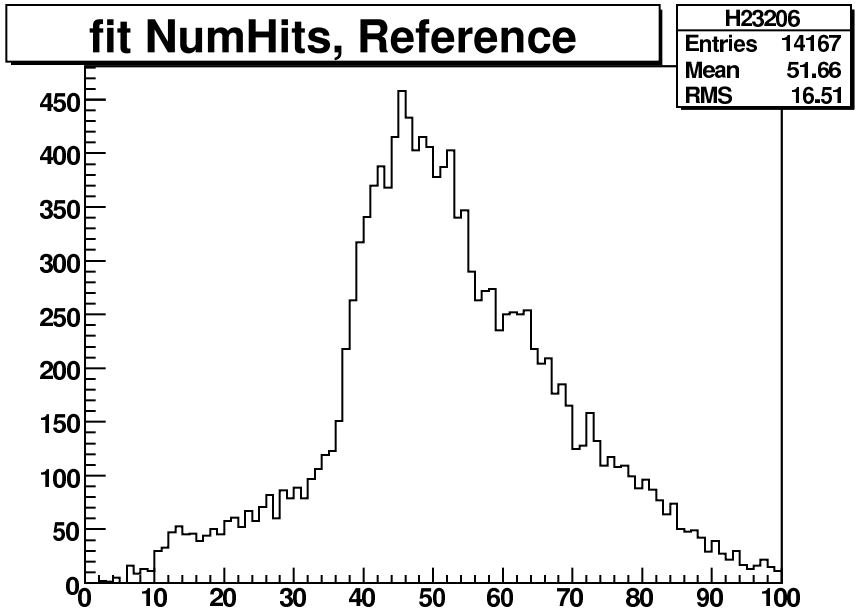

fit uvp phi, deg, Reference
H23203
Entries 14167
Mean -0.0276
RMS 104

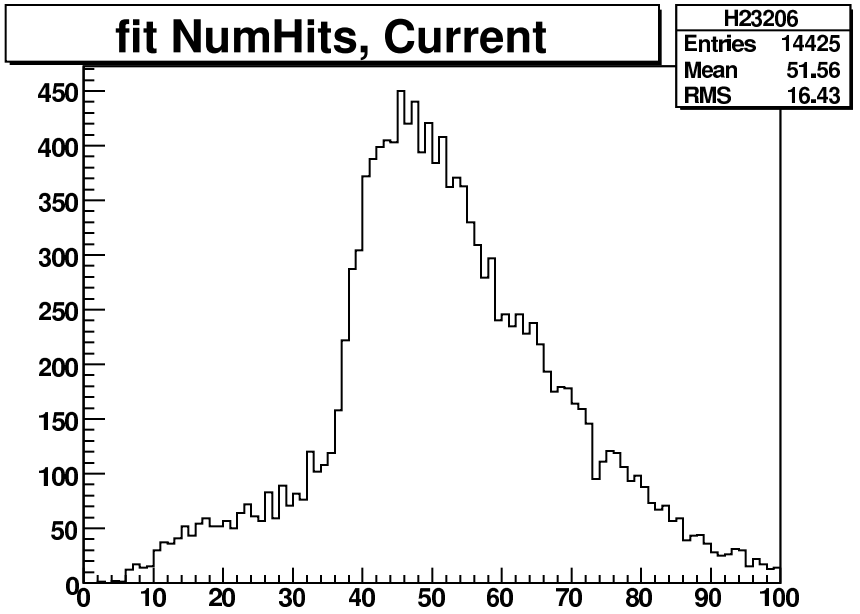

fit uvp phi, deg, Current
H23203
Entries 14425
Mean 0.4508
RMS 104.6

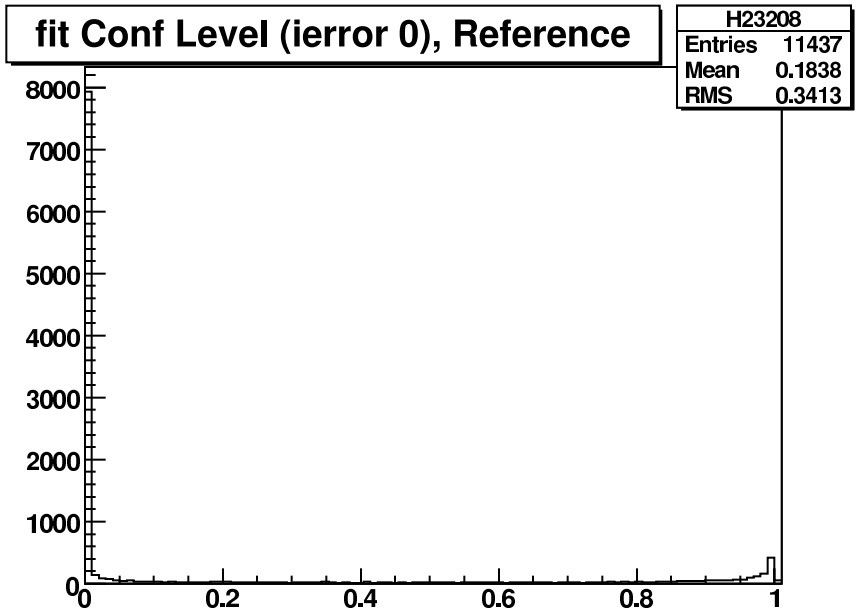

fit z, cm, Reference
H23204
Entries 14167
Mean -2.095
RMS 14.27

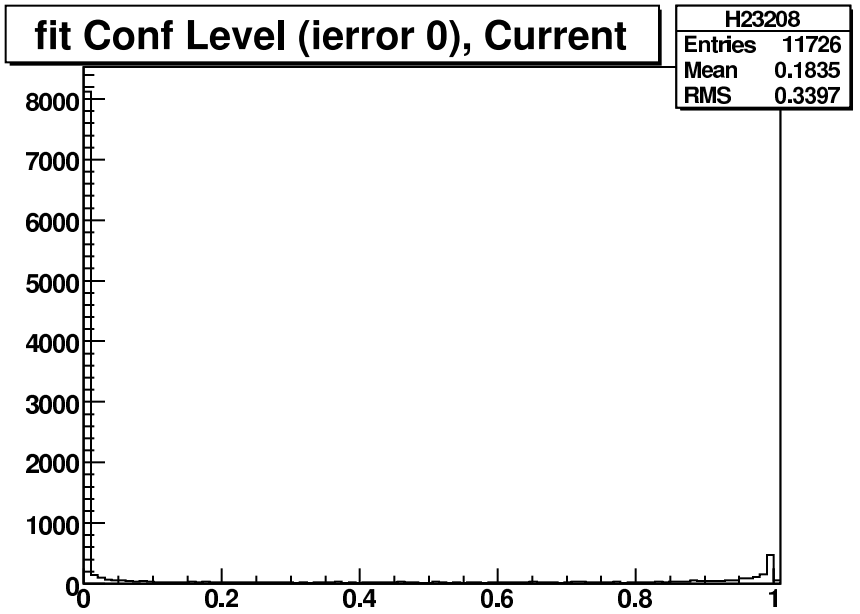

fit z, cm, Current
H23204
Entries 14425
Mean -2.468
RMS 14.15

8) Helix Fit


fit NumHits, Reference
H23206
Entries 14167
Mean 51.66
RMS 16.51


fit NumHits, Current
H23206
Entries 14425
Mean 51.56
RMS 16.43


fit Conf Level (ierror 0), Reference
H23208
Entries 11437
Mean 0.1838
RMS 0.3413


fit Conf Level (ierror 0), Current
H23208
Entries 11726
Mean 0.1835
RMS 0.3397

9) Reference Information

/home/twistonl/online_anal_2007/Oren_Config/Comments/ReferencePage

Reference run number : 49363

Data Set 83 (Nominal with DS beam package)