dayset-2006-08-29-all_2-224653-0_certification_20070
/rooms/seminole/steele/merge/ufgrid/unmerged/dayse

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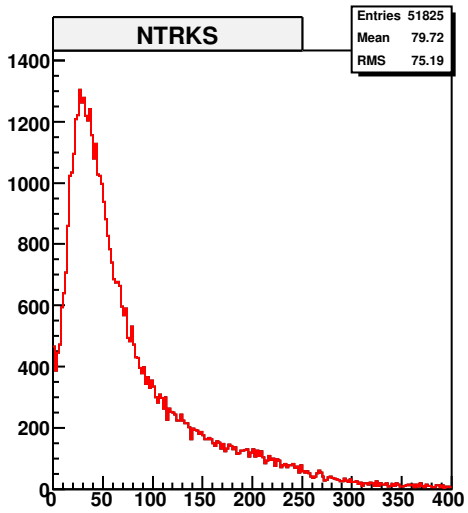
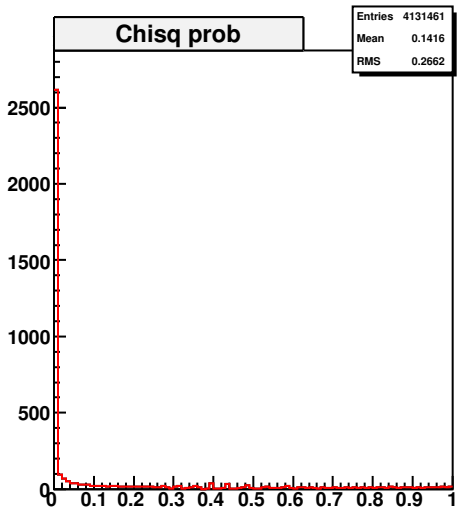
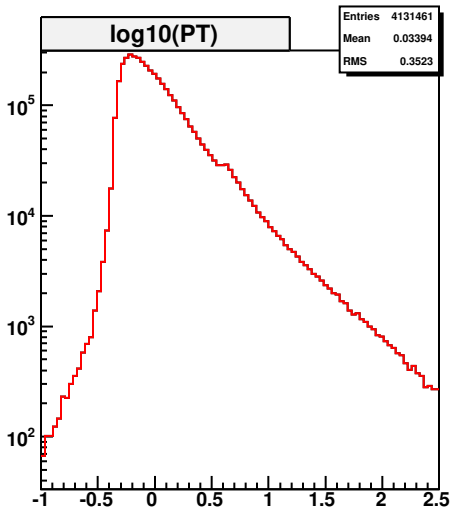
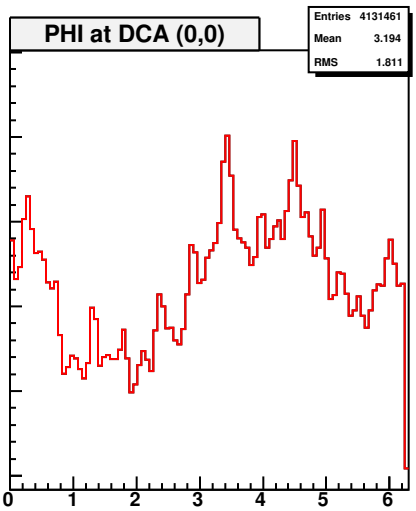
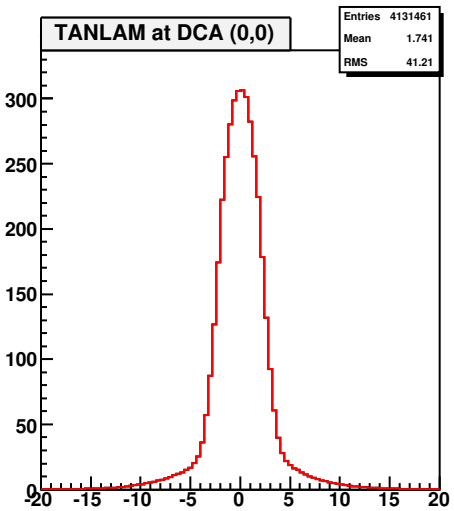
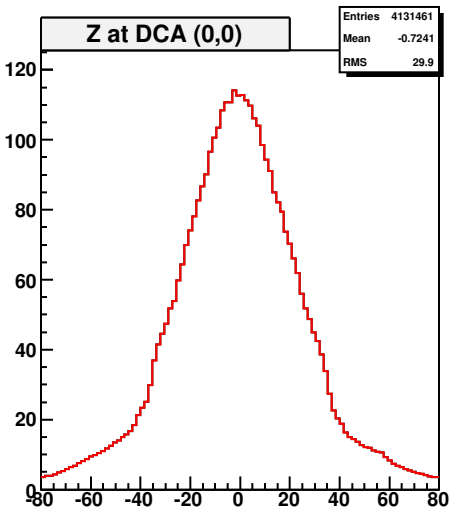

NTRKS
Entries 51825
Mean 79.72
RMS 75.19

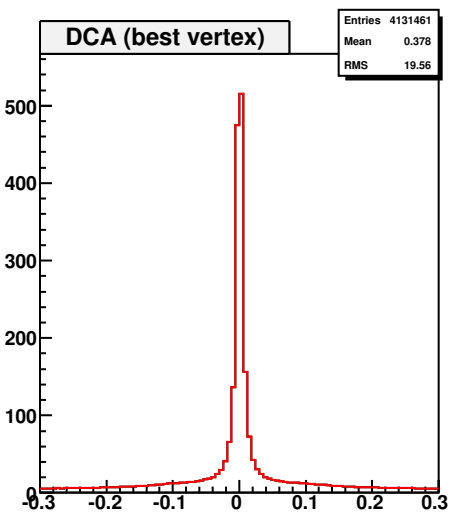

Chisq prob
Entries 4131461
Mean 0.1416
RMS 0.2662

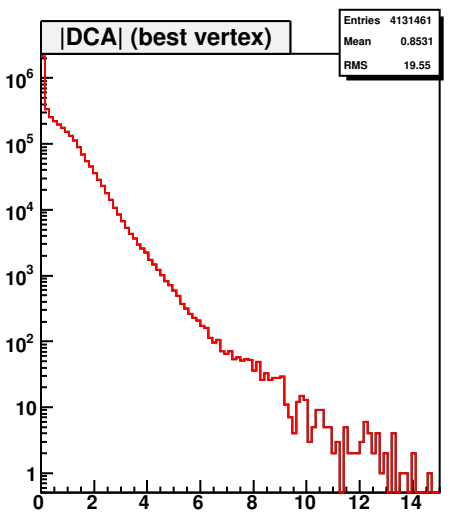

log10(PT)
Entries 4131461
Mean 0.03394
RMS 0.3523

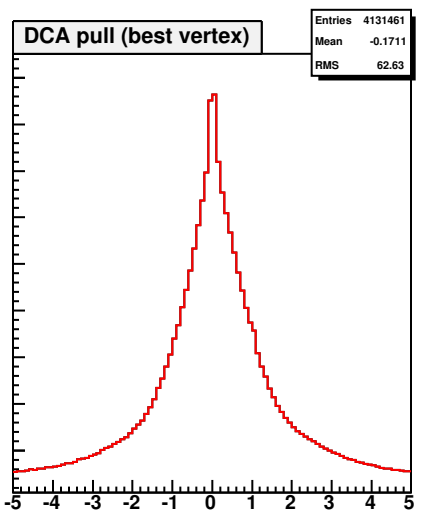

PHI at DCA (0,0)
Entries 4131461
Mean 3.194
RMS 1.811


TANLAM at DCA (0,0)
Entries 4131461
Mean 1.741
RMS 41.21

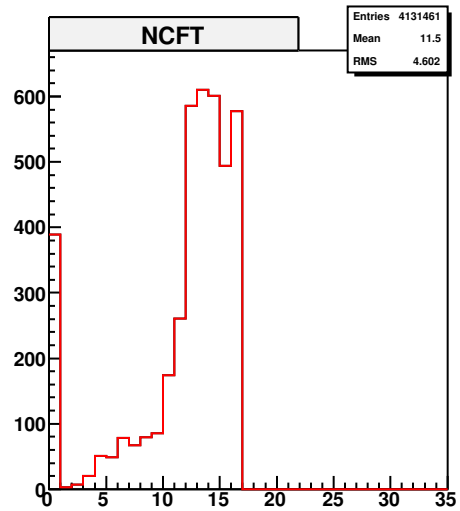

Z at DCA (0,0)
Entries 4131461
Mean -0.7241
RMS 29.9

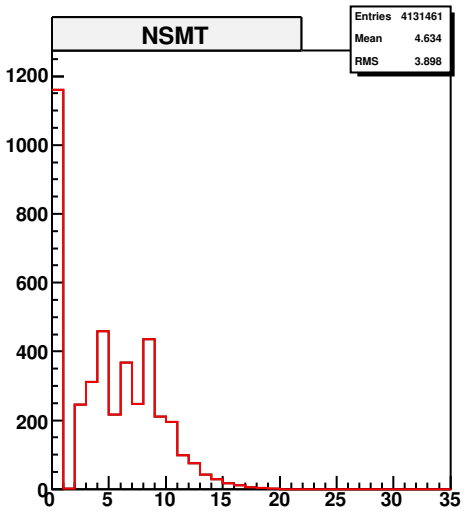

DCA (best vertex)
Entries 4131461
Mean 0.378
RMS 19.56

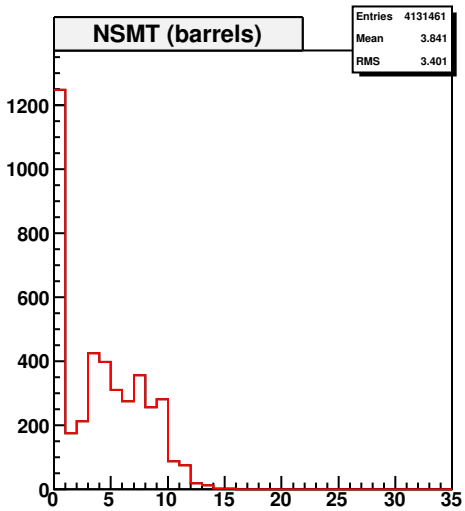

|DCA| (best vertex)
Entries 4131461
Mean 0.8531
RMS 19.55

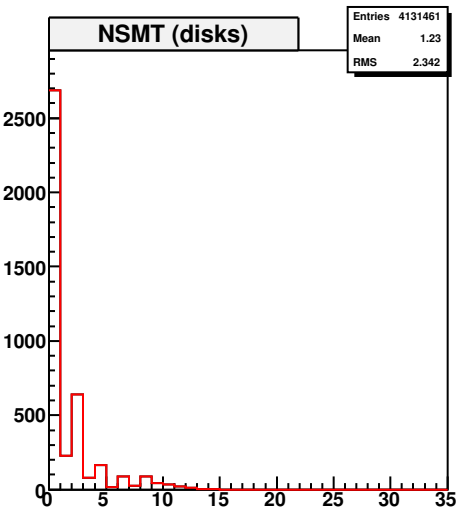

DCA pull (best vertex)
Entries 4131461
Mean -0.1711
RMS 62.63

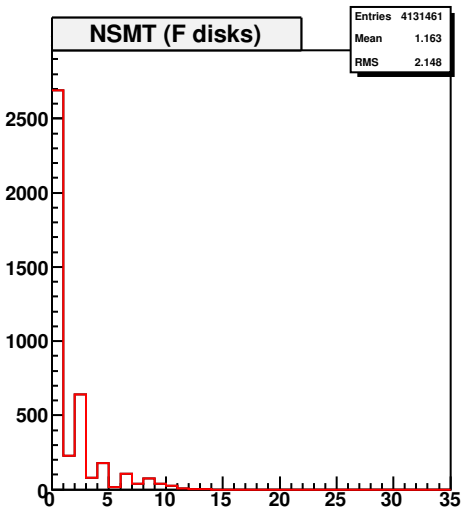
Tracks (All)

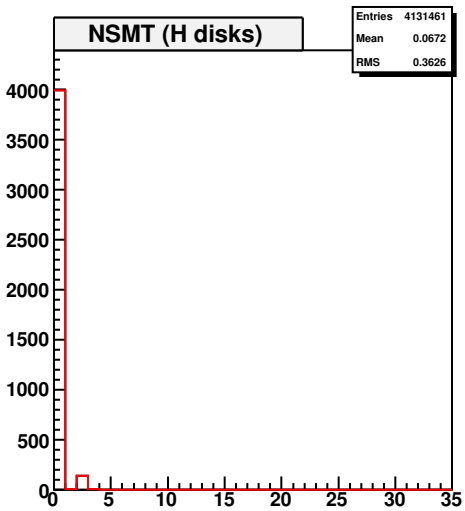


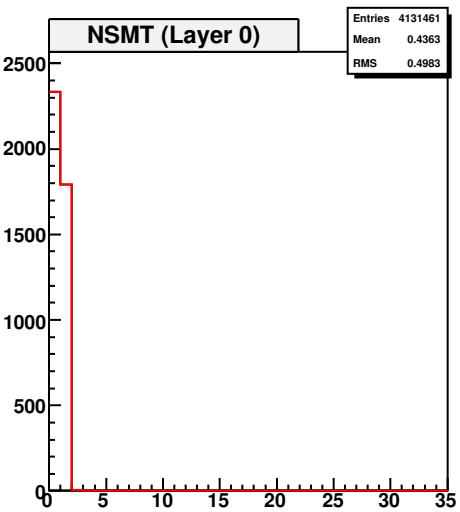




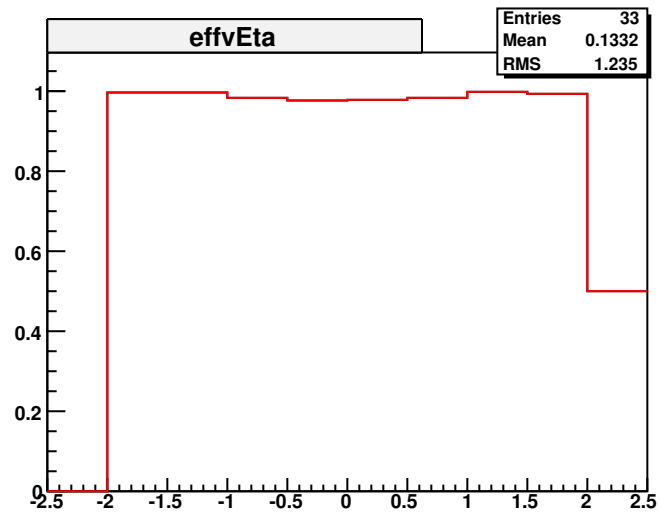


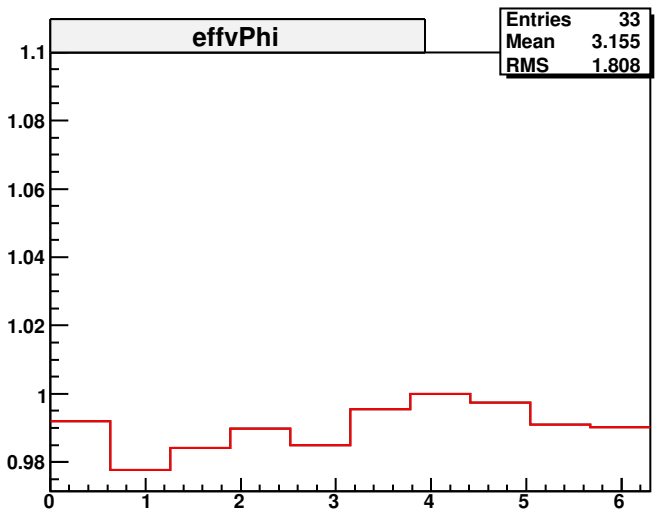


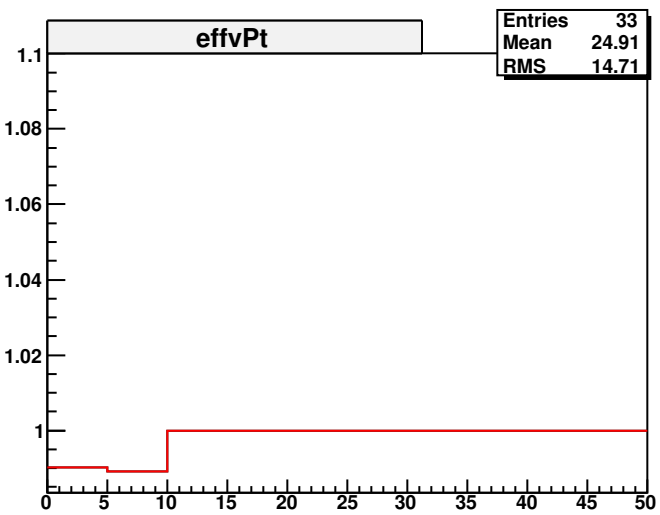


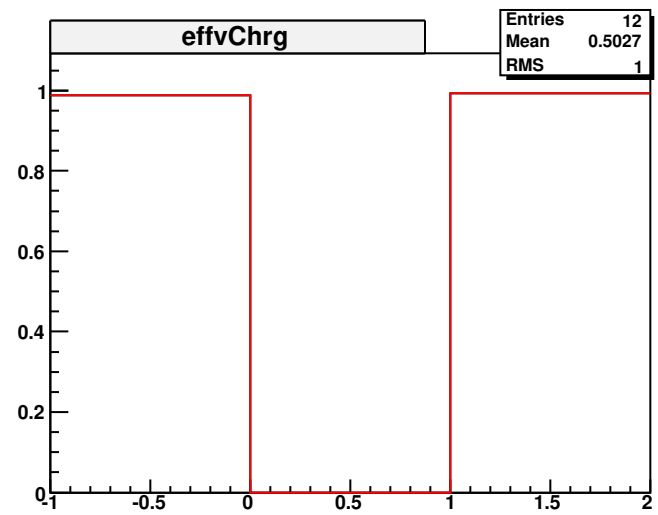


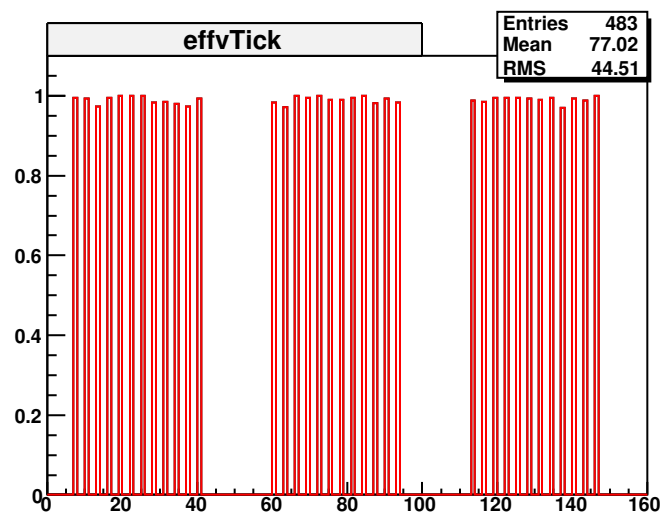
Track Hits (All)

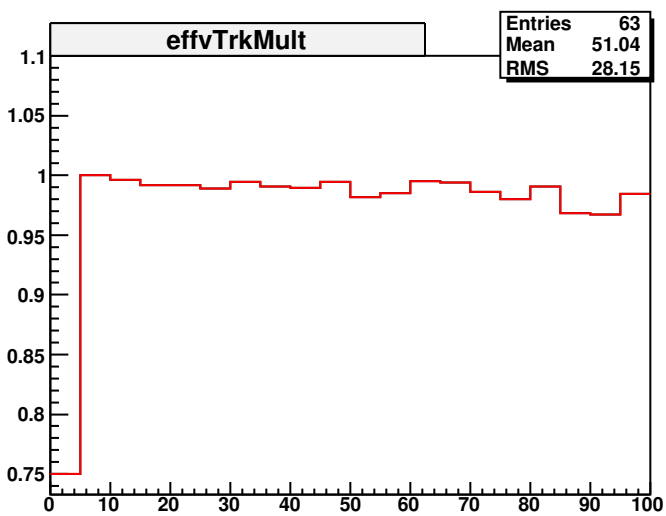




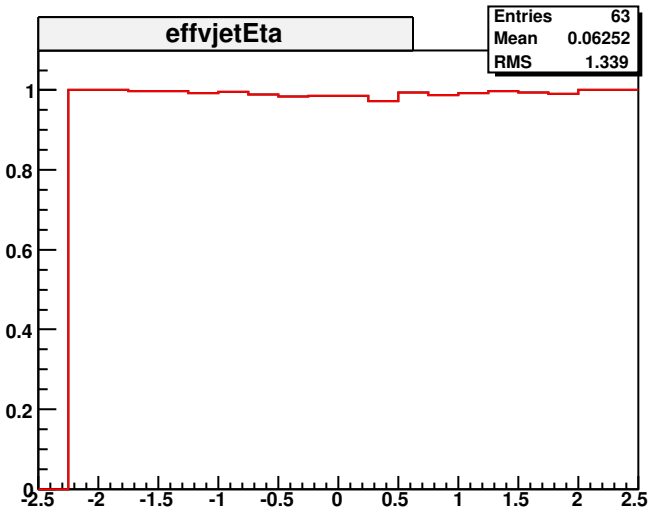


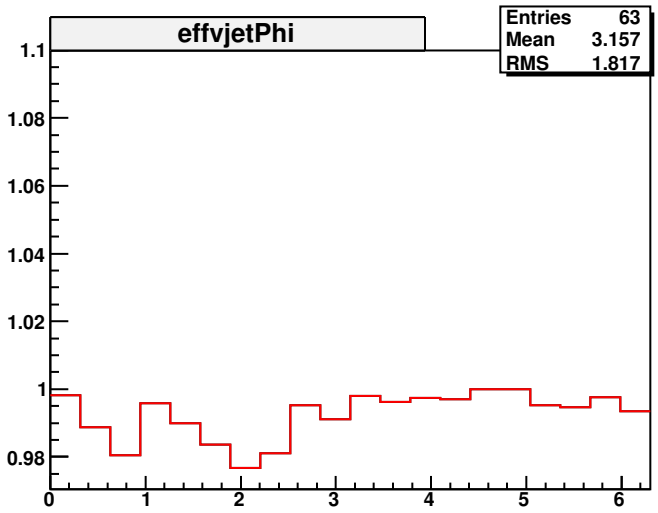


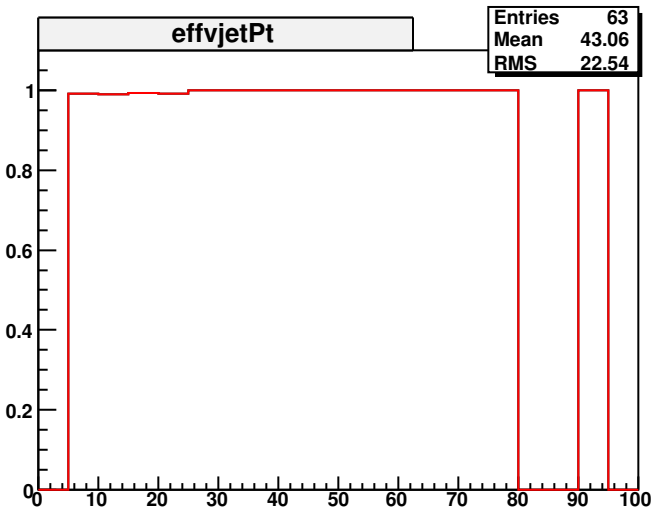


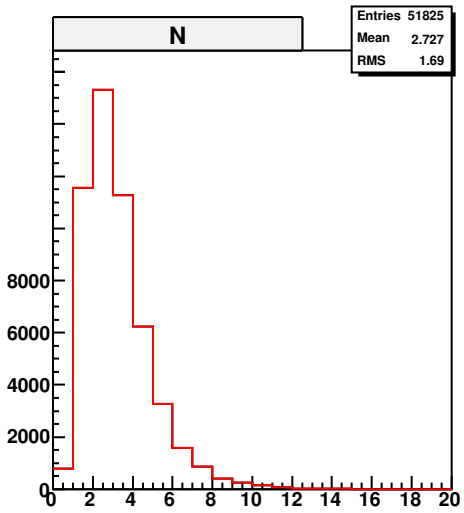


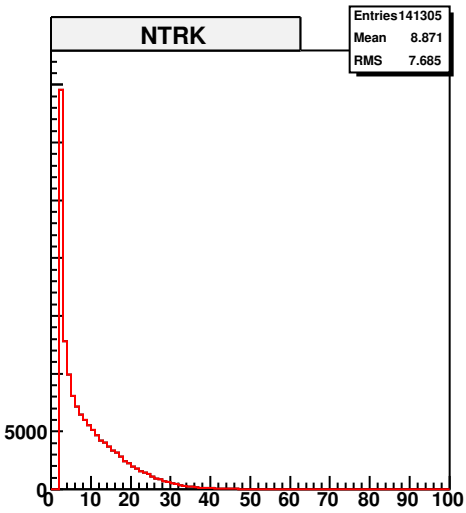
Tracking (Efficiency-Isolated)

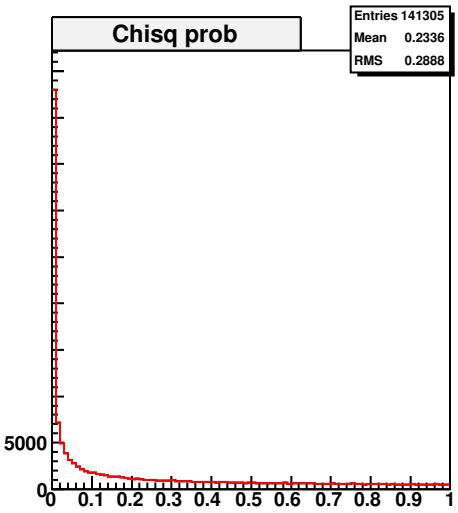

effvjetEta
Entries 63
Mean 0.06252
RMS 1.339
1
0.8
0.6
0.4
0.2
0
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

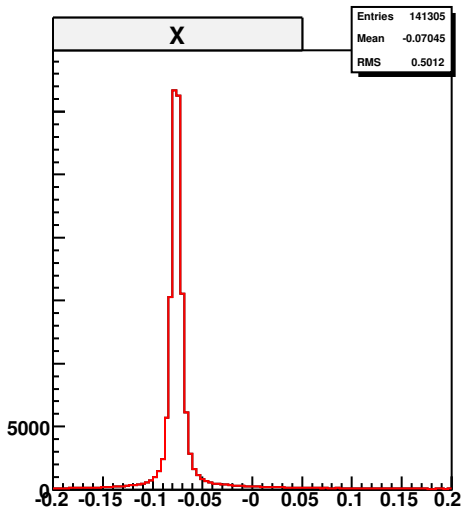

effvjetPhi
Entries 63
Mean 3.157
RMS 1.817
1.1
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

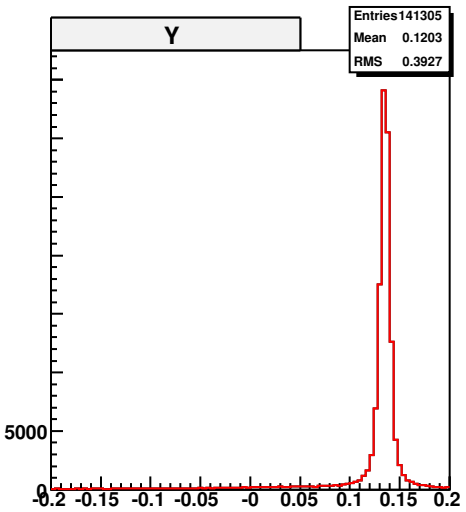

effvjetPt
Entries 63
Mean 43.06
RMS 22.54
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

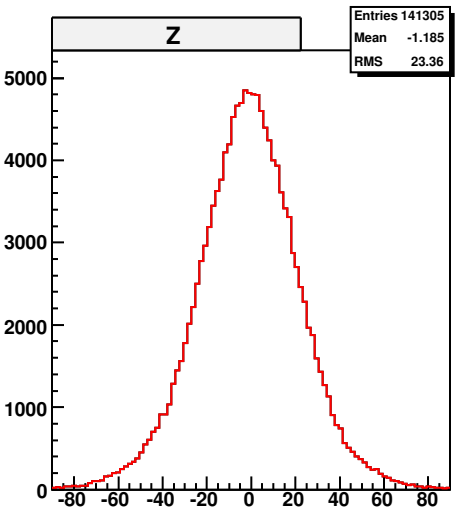




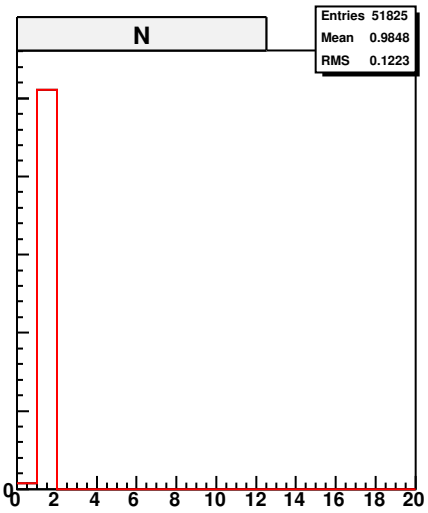


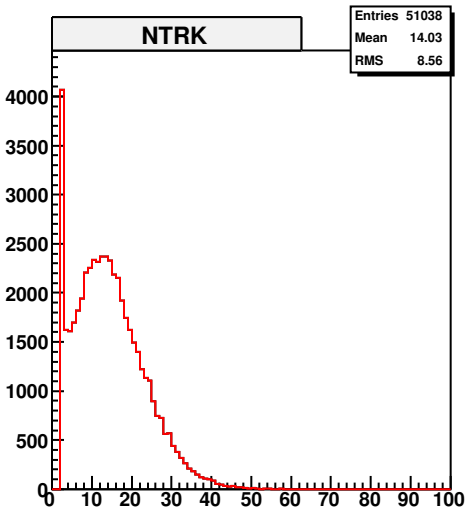


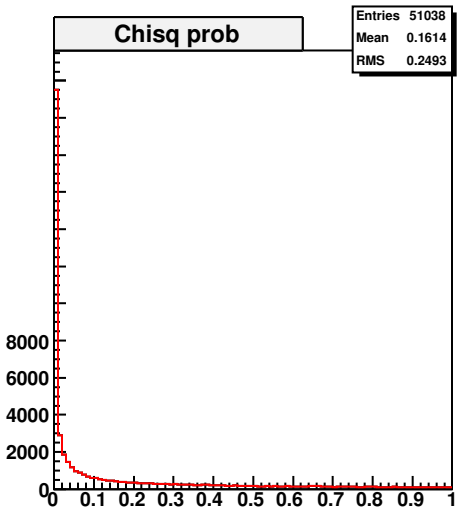


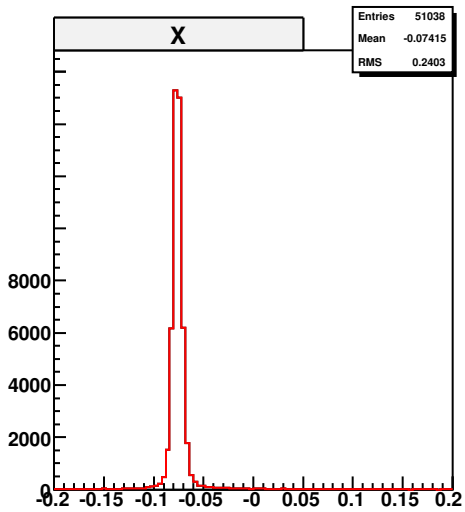


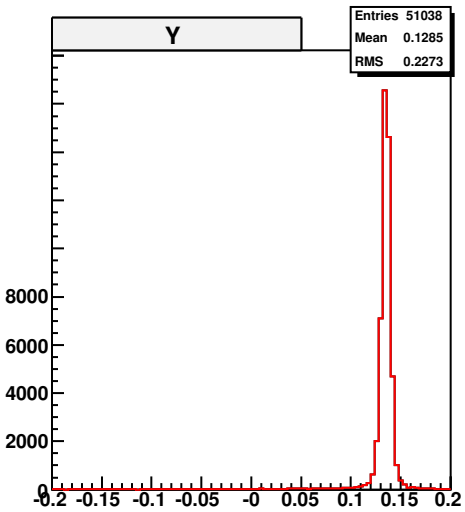
Vertices (Primary - all candidates)

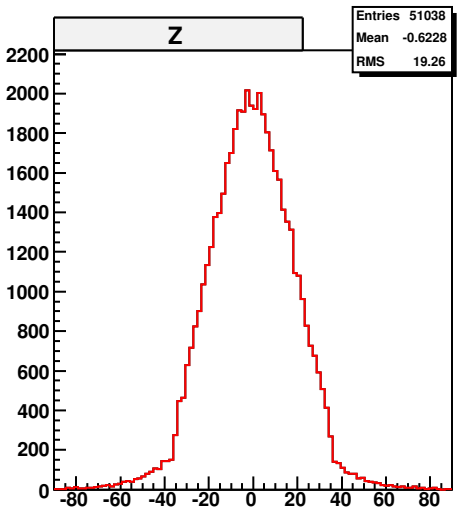




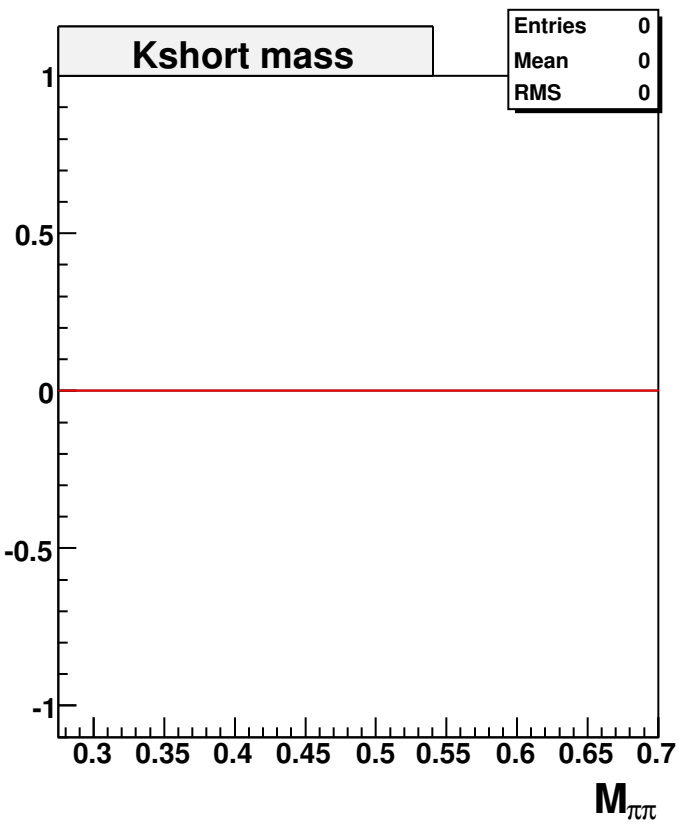


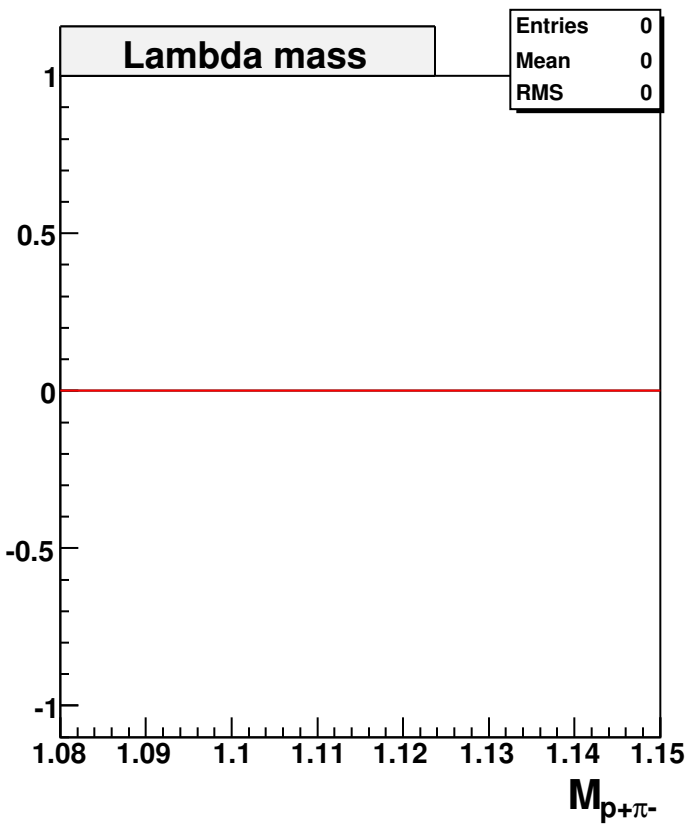


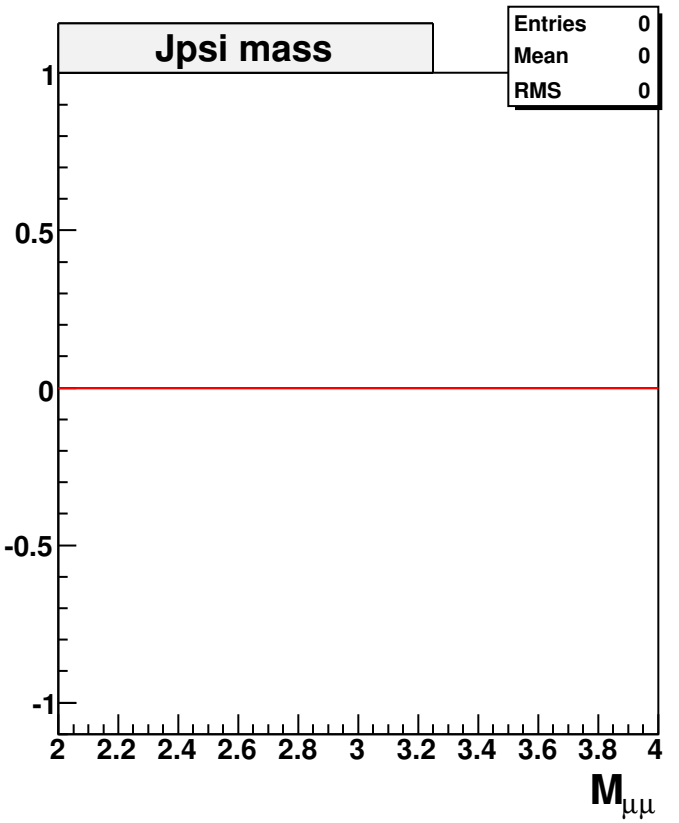


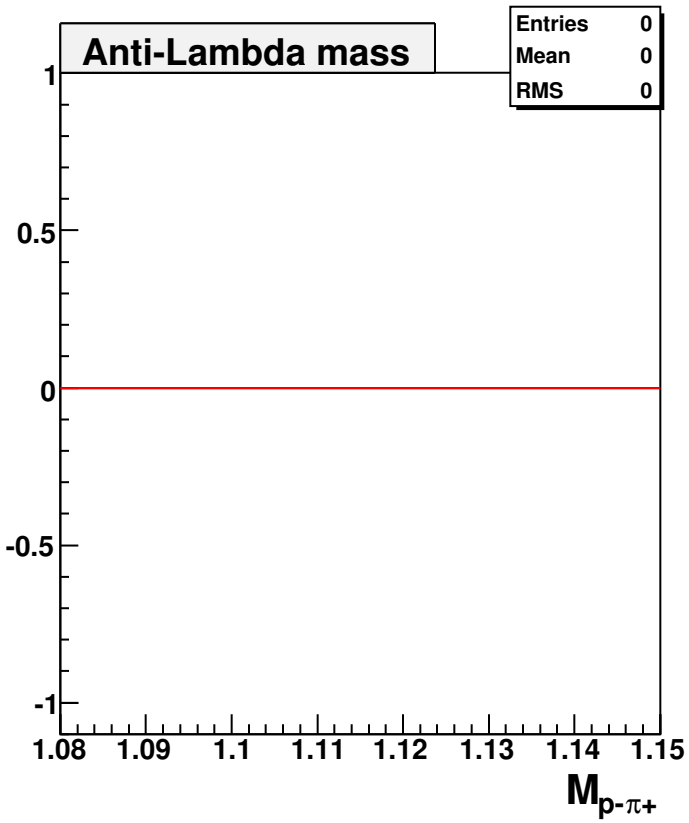


Vertices (Primary - best)

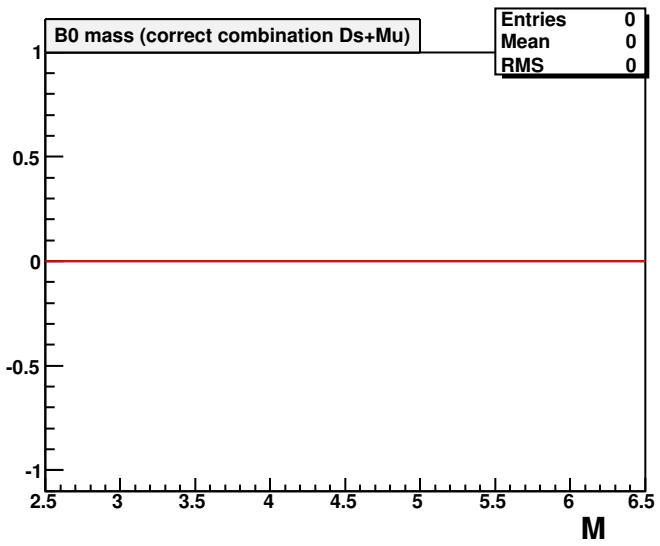

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

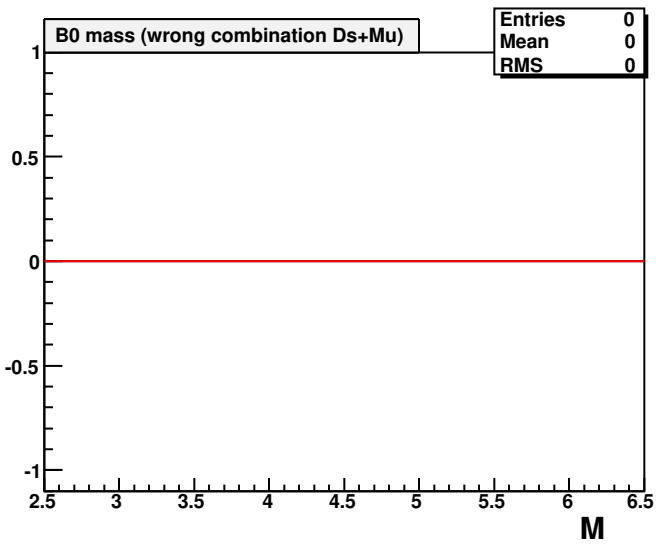

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

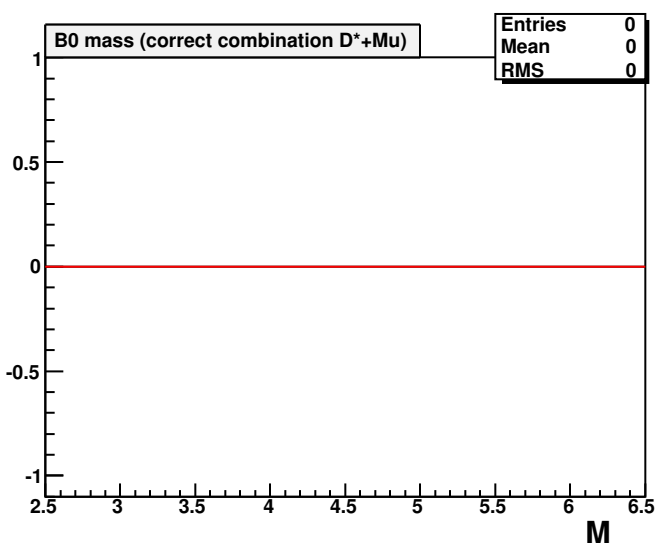

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

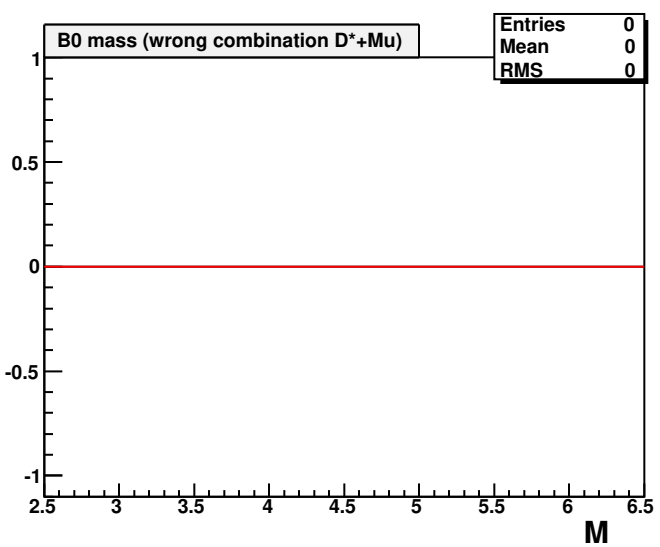

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

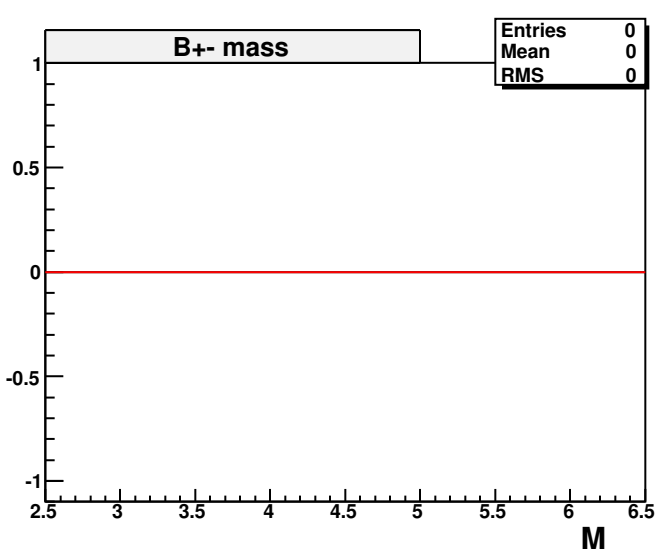
V0 (All)



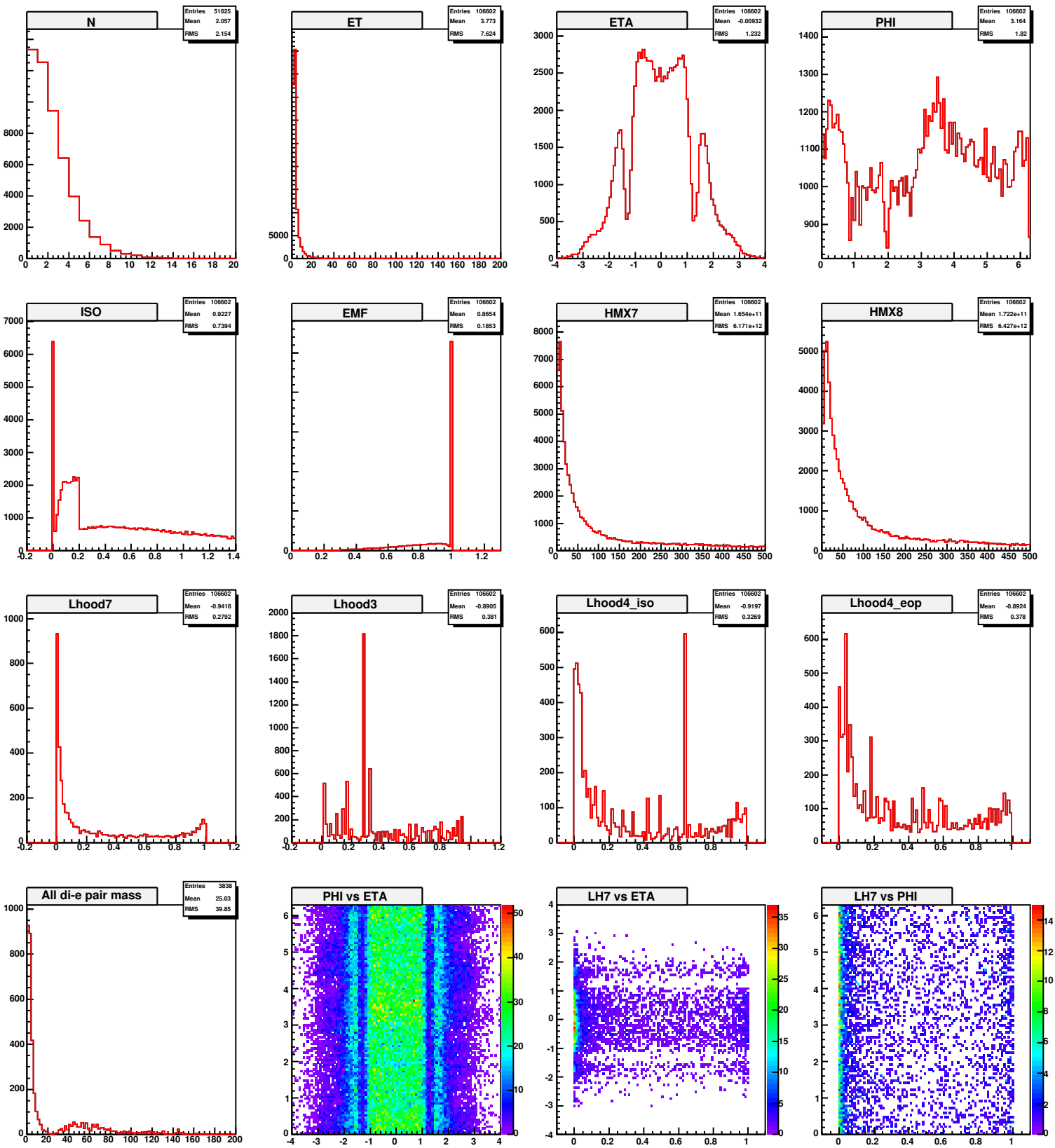




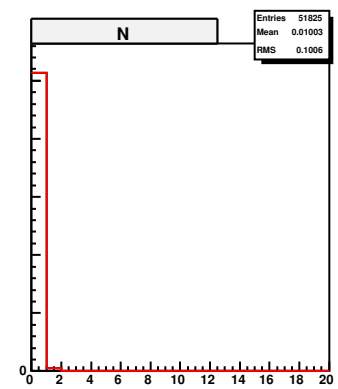


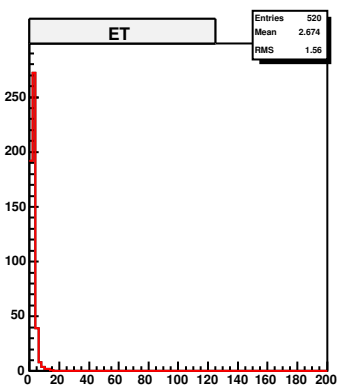


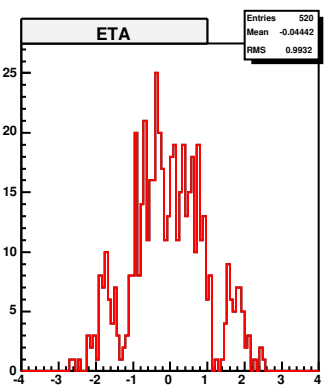
V0(B mesons) (All)

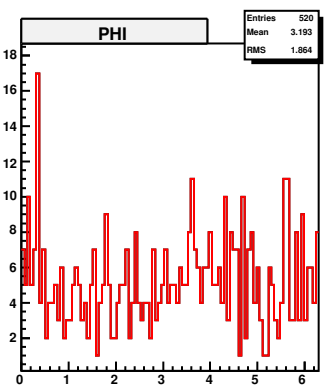


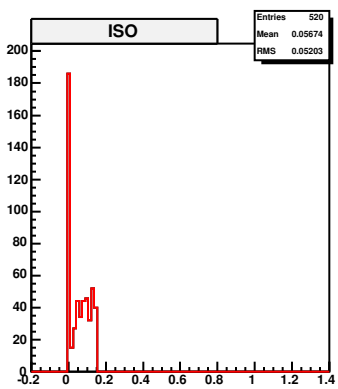
Electrons (SCONE All)

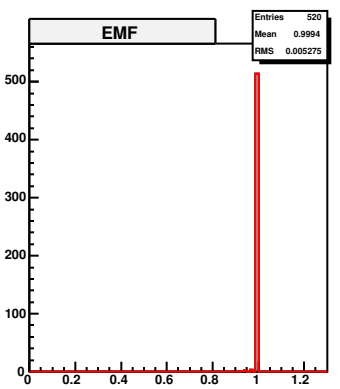


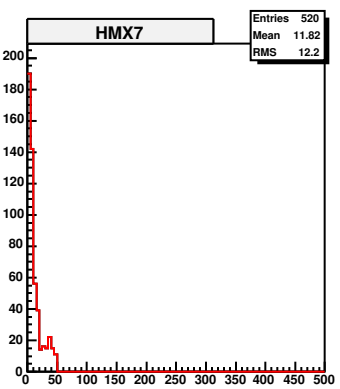


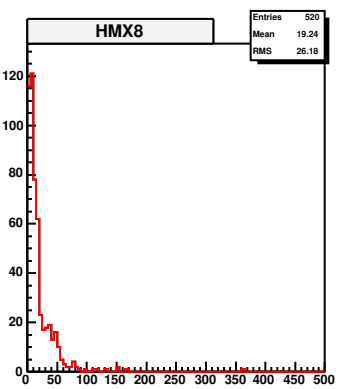


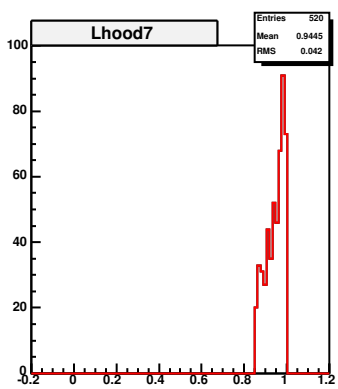


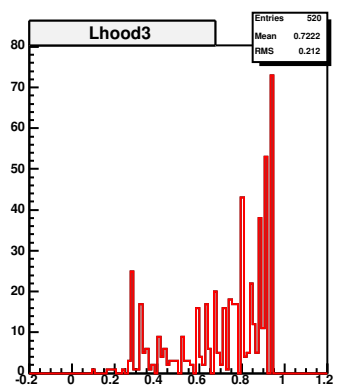


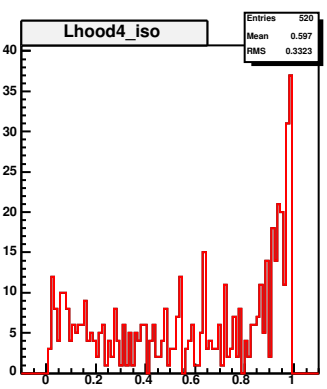


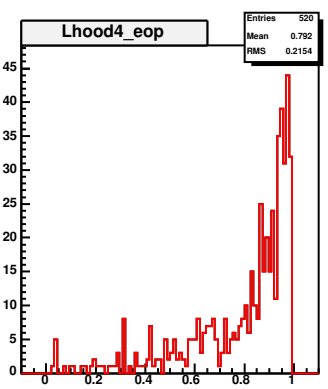


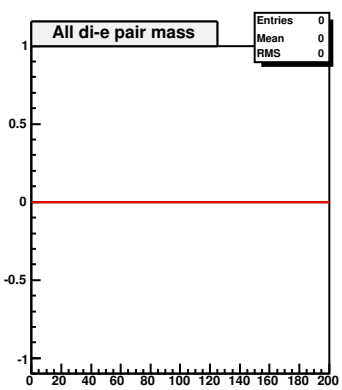


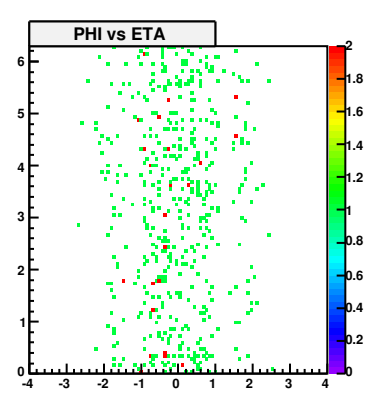


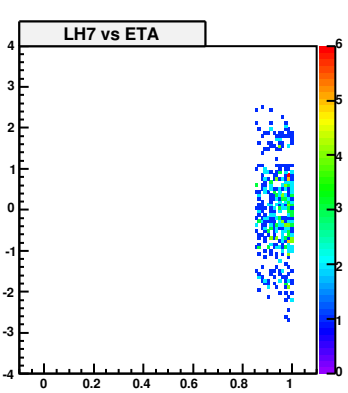


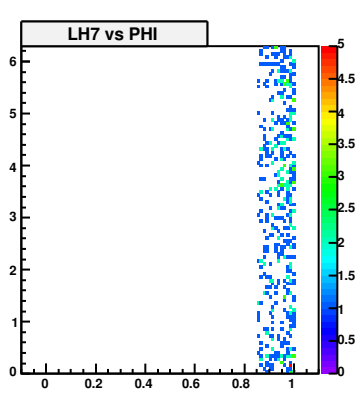




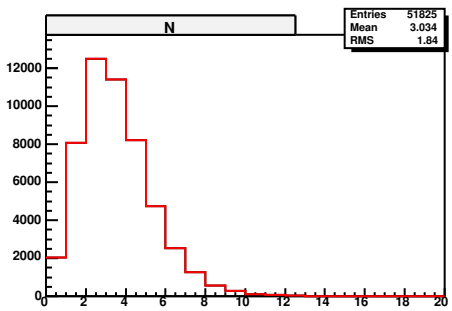


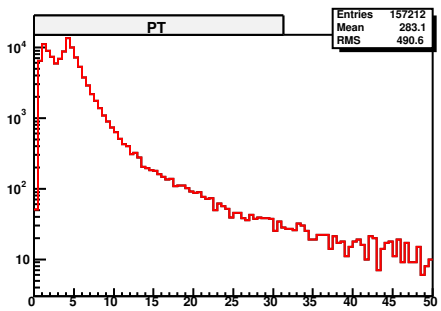


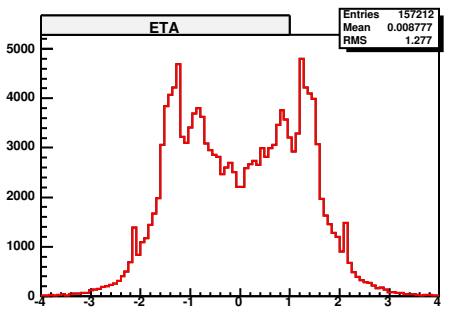


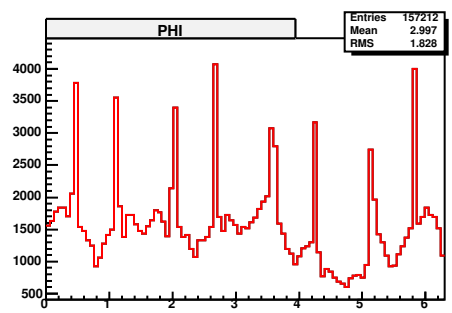


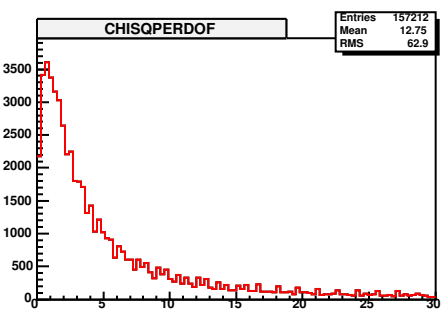
Electrons (SCONE Tight)

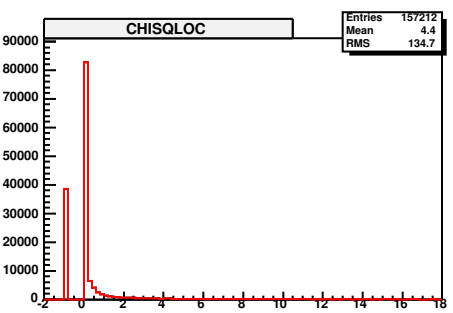

N
Entries 51825
Mean 3.034
RMS 1.84

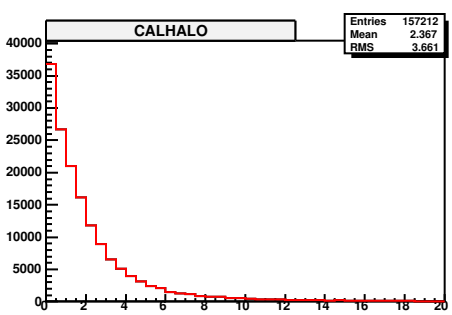

PT
Entries 157212
Mean 283.1
RMS 490.6

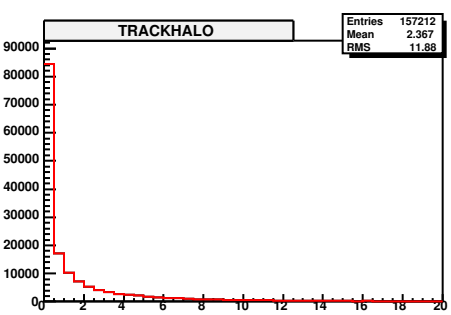

ETA
Entries 157212
Mean 0.008777
RMS 1.277

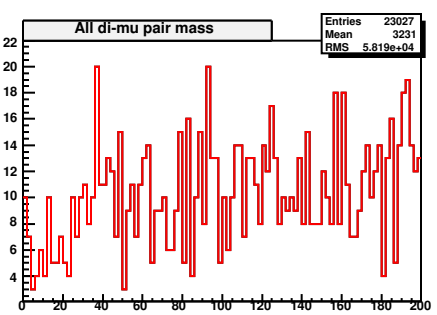

PHI
Entries 157212
Mean 2.997
RMS 1.828

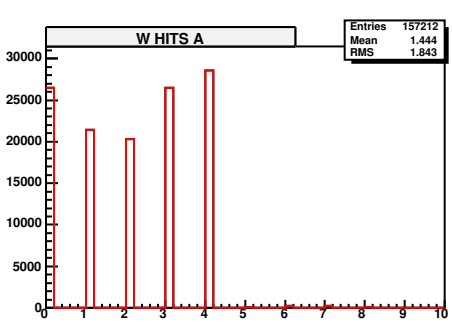

CHISQPERDOF
Entries 157212
Mean 12.75
RMS 62.9

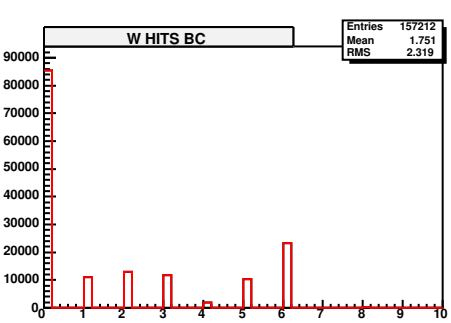

CHISQLOC
Entries 157212
Mean 4.4
RMS 134.7

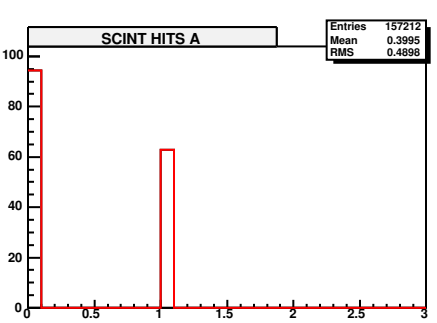

CALHALO
Entries 157212
Mean 2.367
RMS 3.661

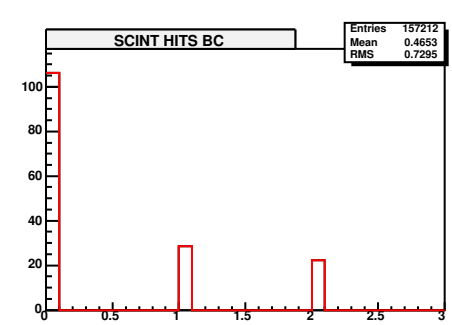

TRACKHALO
Entries 157212
Mean 2.367
RMS 11.88


All di-mu pair mass
Entries 23027
Mean 3231
RMS 5.819e+04

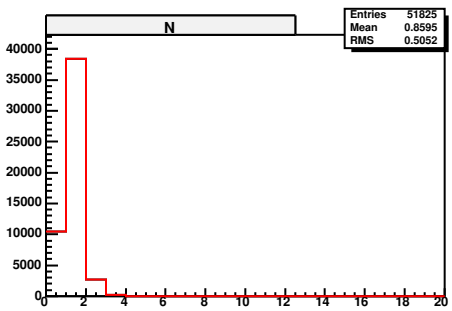

W HITS A
Entries 157212
Mean 1.444
RMS 1.843

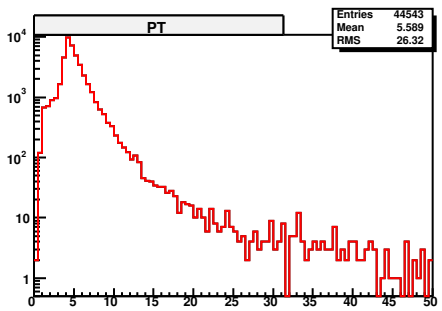

W HITS BC
Entries 157212
Mean 1.751
RMS 2.319

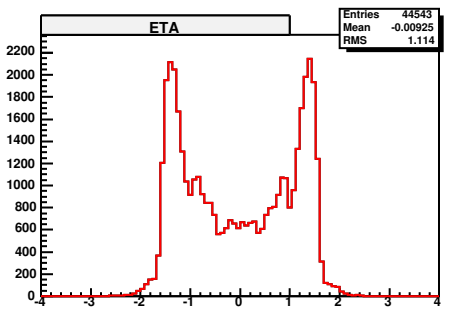

SCINT HITS A
Entries 157212
Mean 0.3995
RMS 0.4898

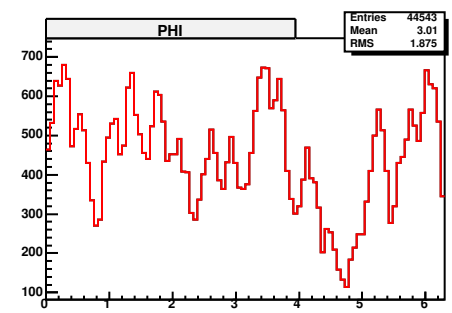

SCINT HITS BC
Entries 157212
Mean 0.4653
RMS 0.7295

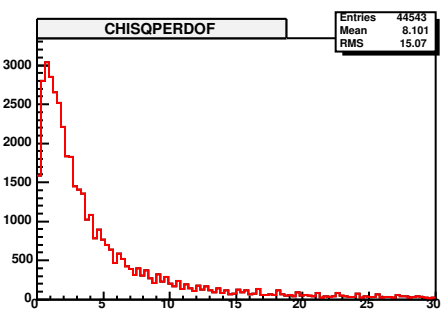
Muons (All)

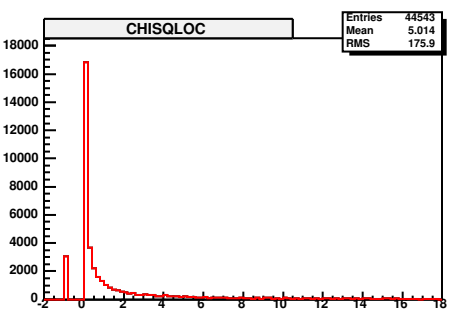


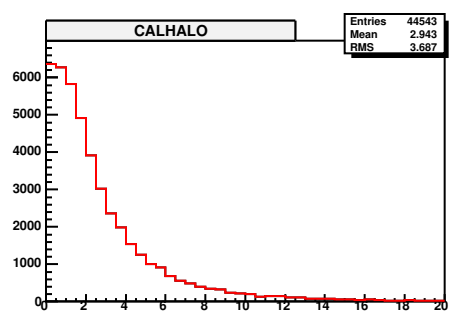


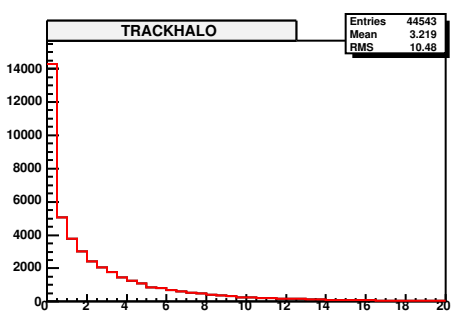


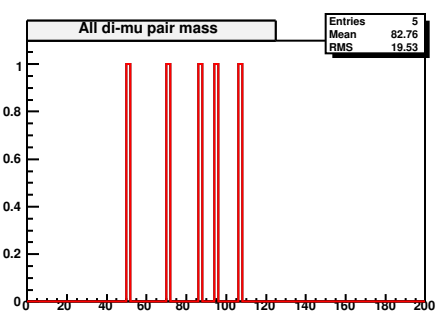


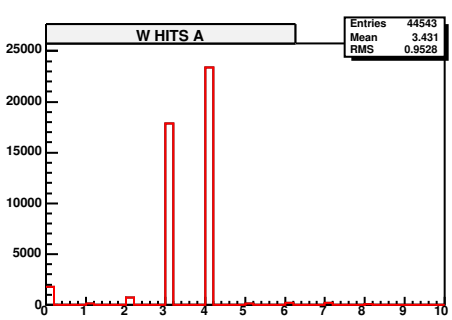


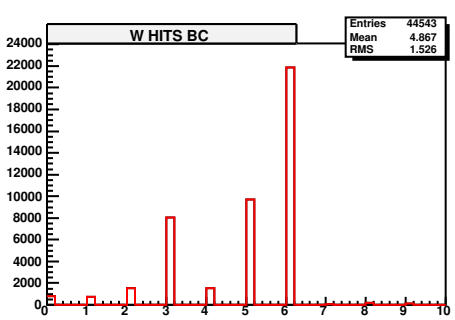


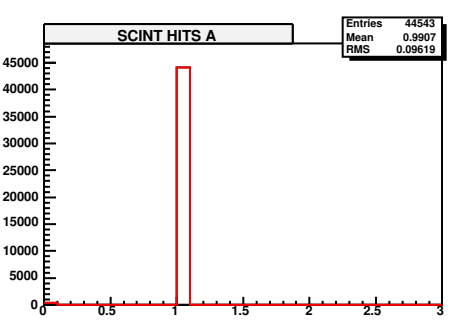


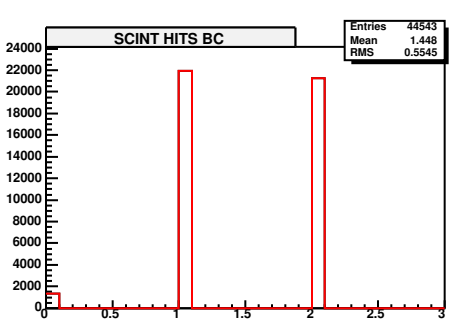




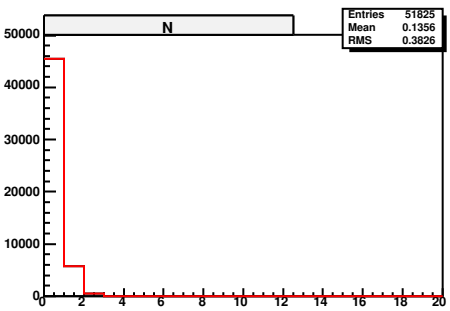


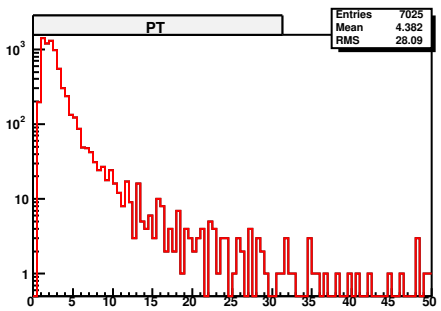


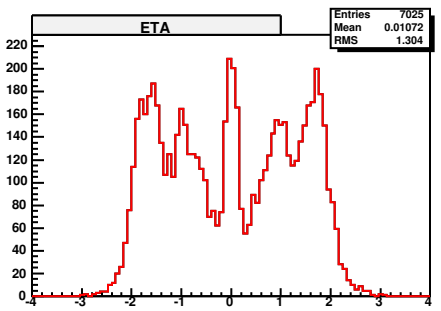


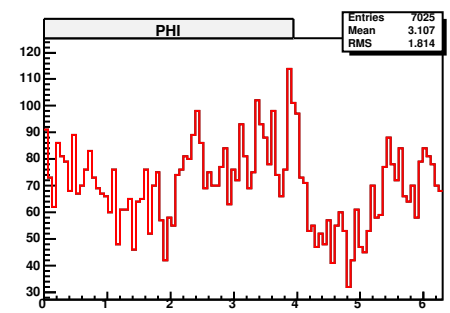


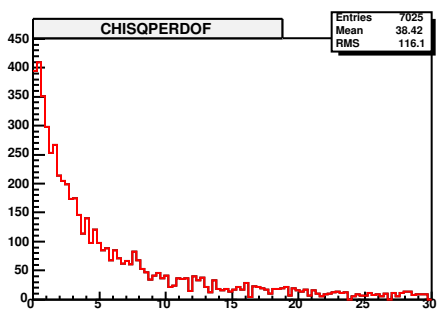
Muons (Matched)

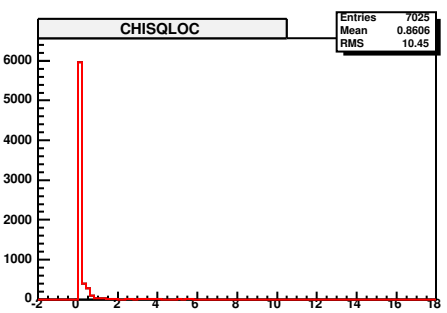

N
Entries 51825
Mean 0.1356
RMS 0.3826

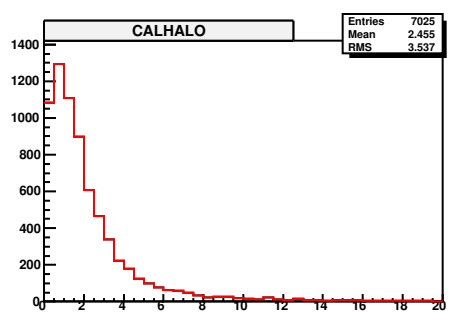

PT
Entries 7025
Mean 4.382
RMS 28.09

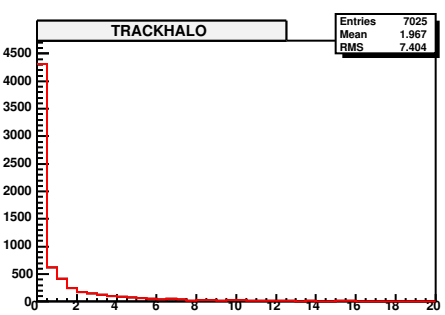

ETA
Entries 7025
Mean 0.01072
RMS 1.304

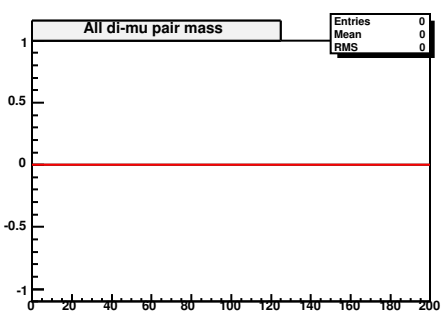

PHI
Entries 7025
Mean 3.107
RMS 1.814

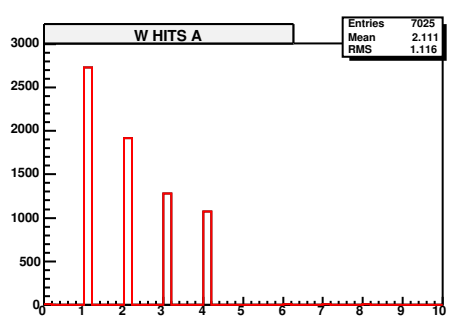

CHISQPERDOF
Entries 7025
Mean 38.42
RMS 116.1

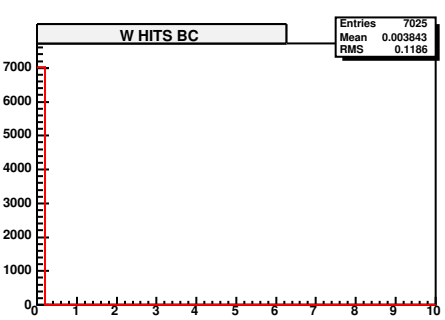

CHISQLOC
Entries 7025
Mean 0.8606
RMS 10.45

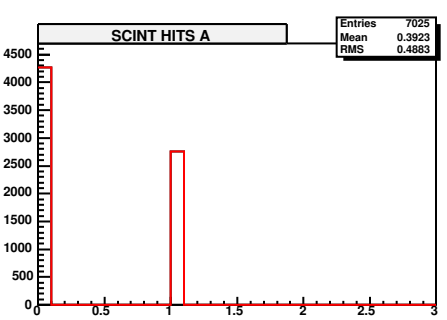

CALHALO
Entries 7025
Mean 2.455
RMS 3.537

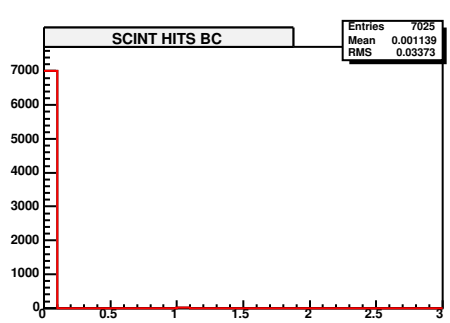

TRACKHALO
Entries 7025
Mean 1.967
RMS 7.404


All di-mu pair mass
Entries 0
Mean 0
RMS 0

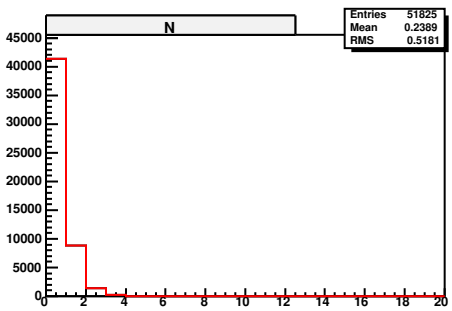

W HITS A
Entries 7025
Mean 2.111
RMS 1.116

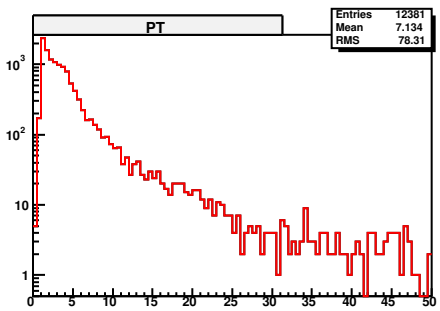

W HITS BC
Entries 7025
Mean 0.003843
RMS 0.1186

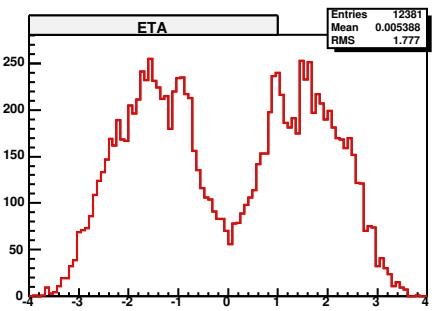

SCINT HITS A
Entries 7025
Mean 0.3923
RMS 0.4883

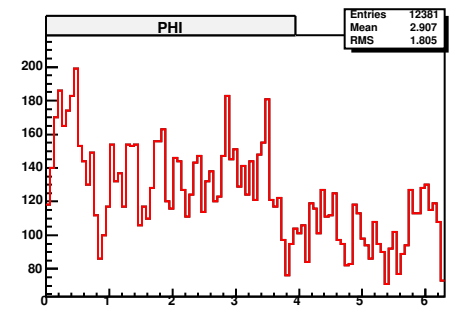

SCINT HITS BC
Entries 7025
Mean 0.001139
RMS 0.03373

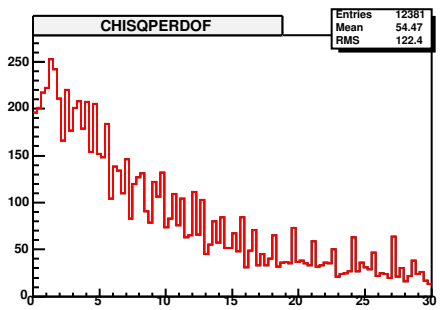
Muons (Astub)

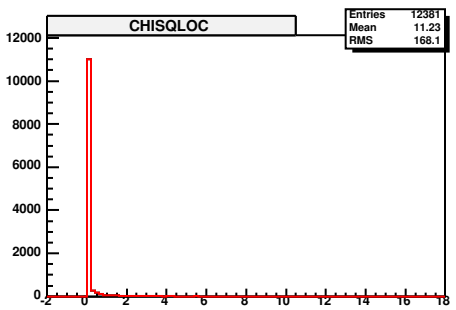


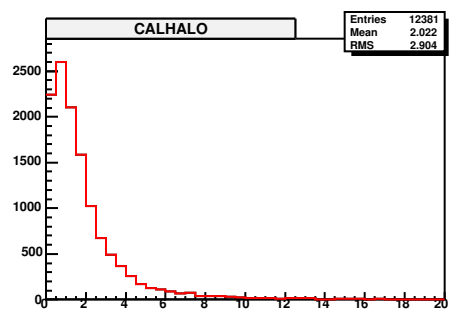


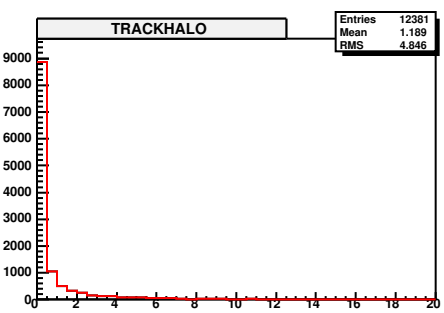


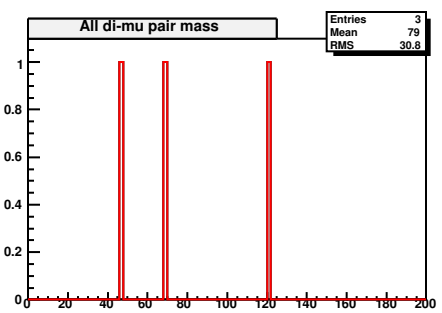


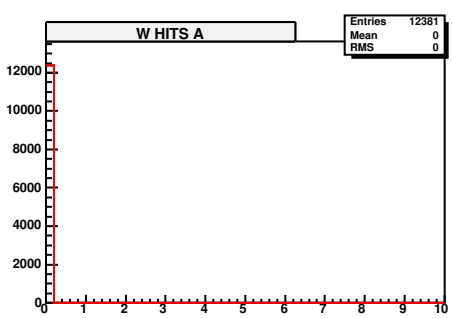


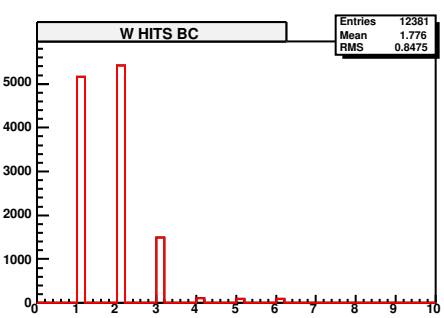


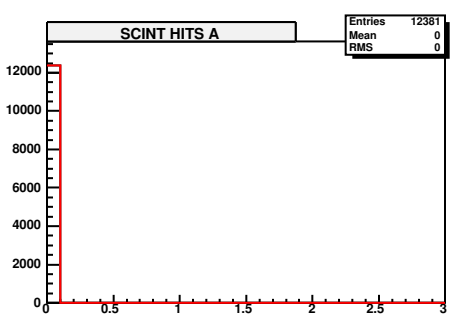


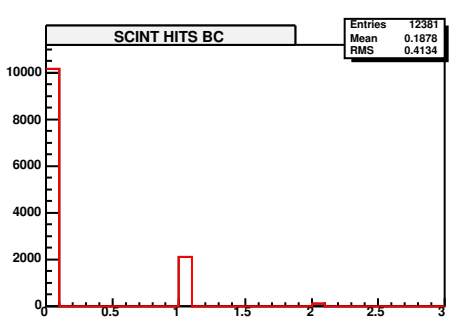




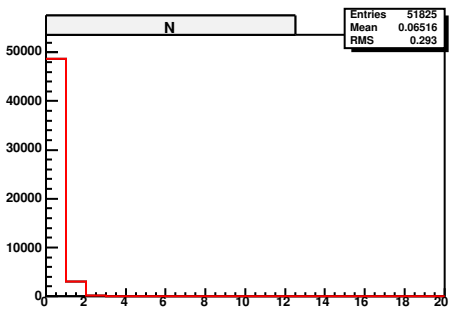


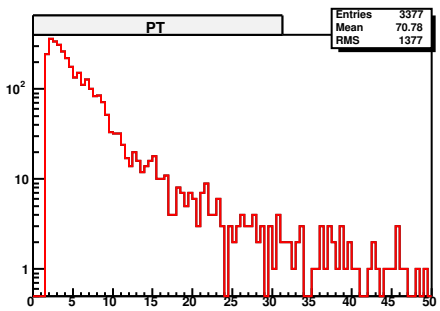


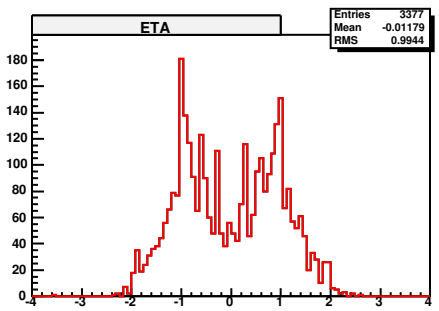


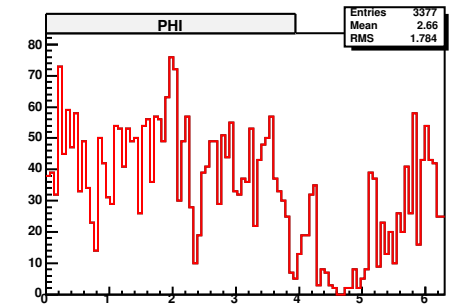


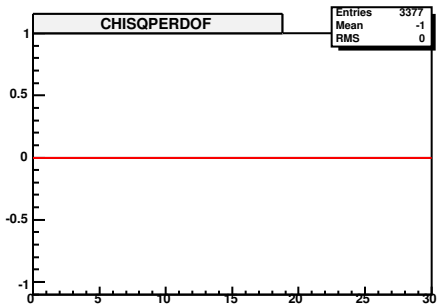
Muons (BCstub)

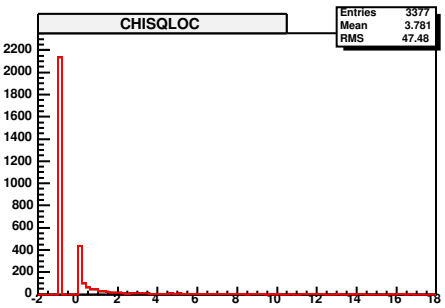


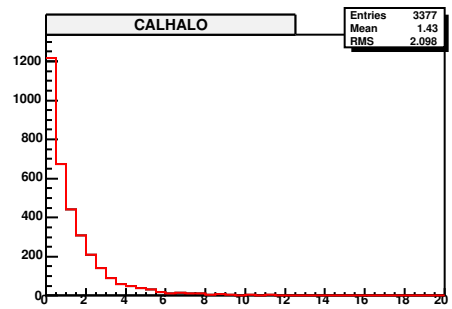


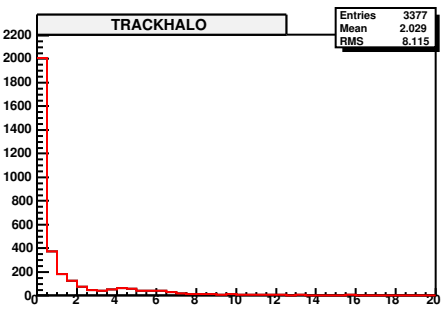


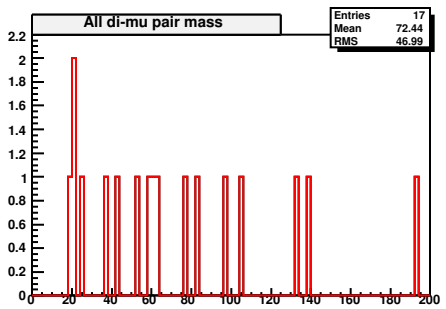


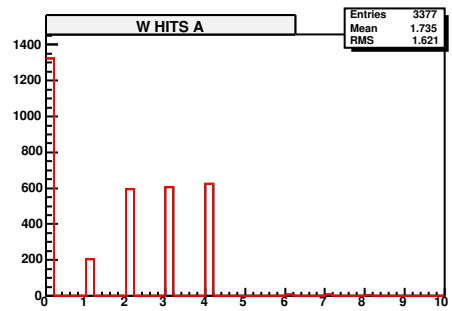


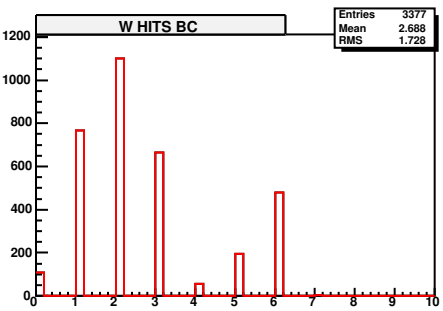


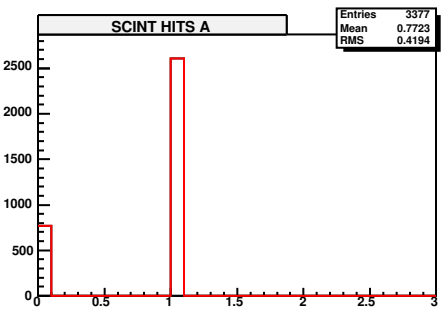


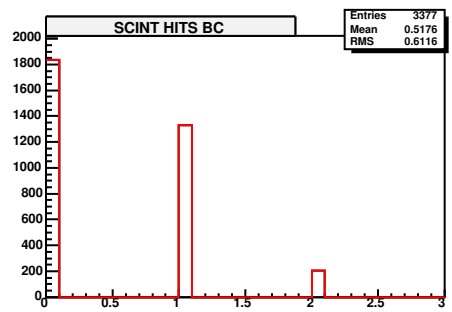




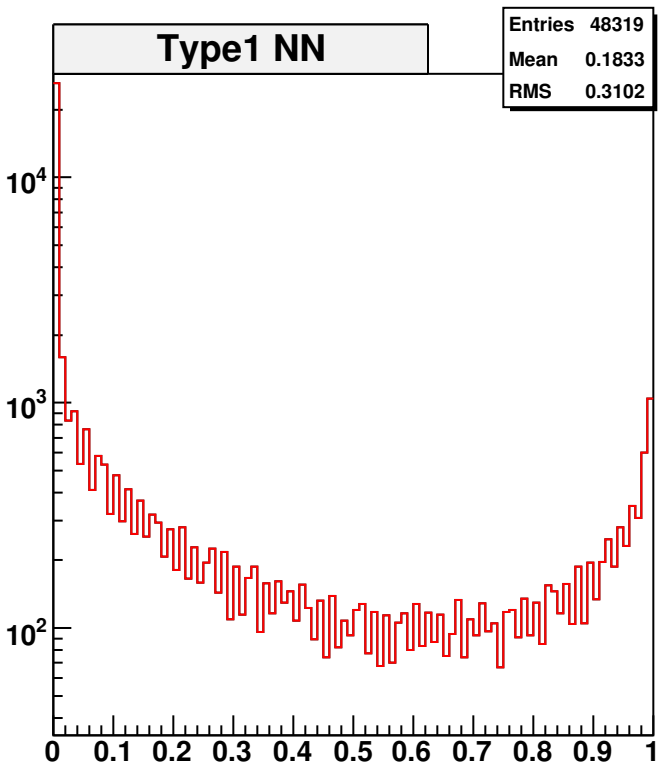


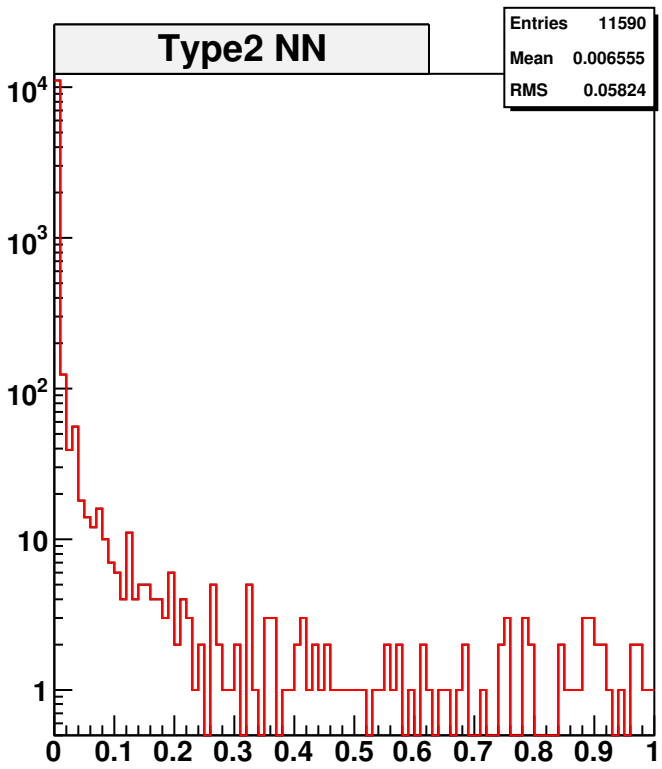


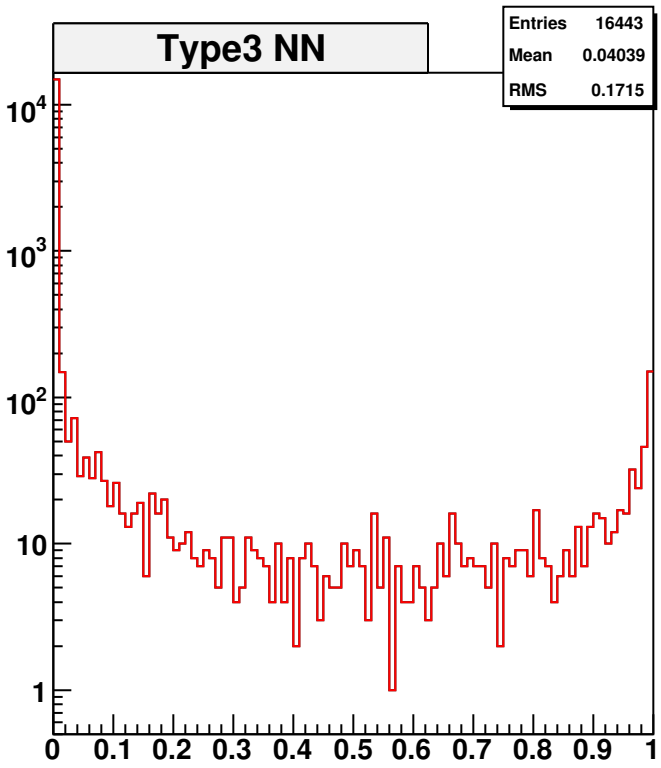


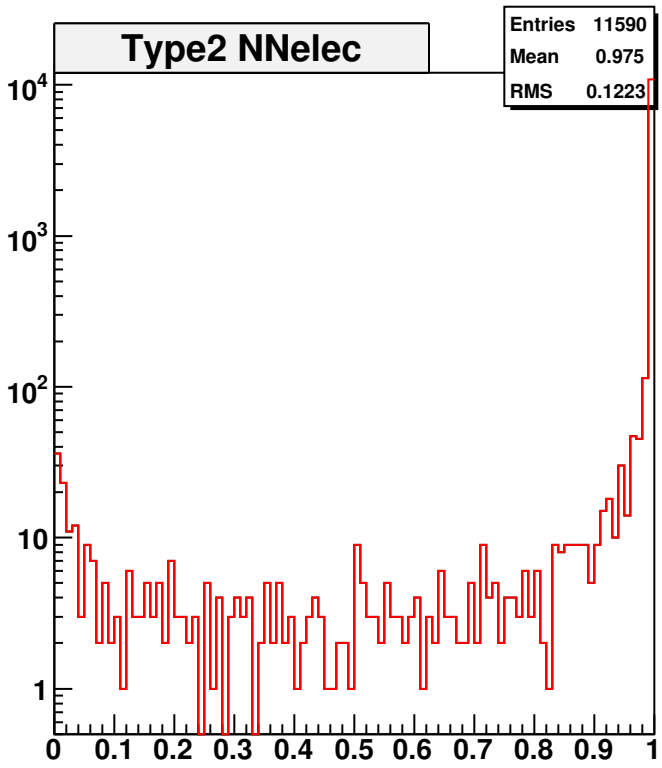


Muons (Unmatched)

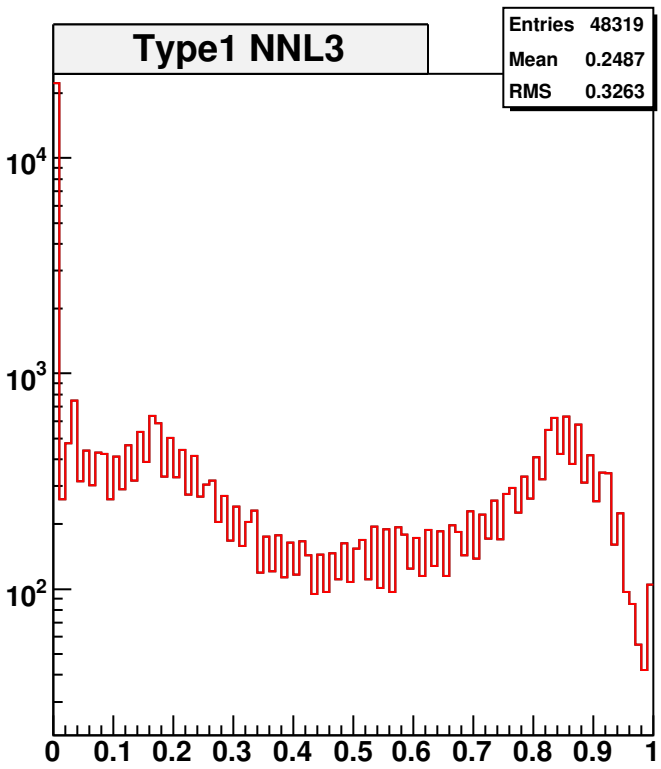


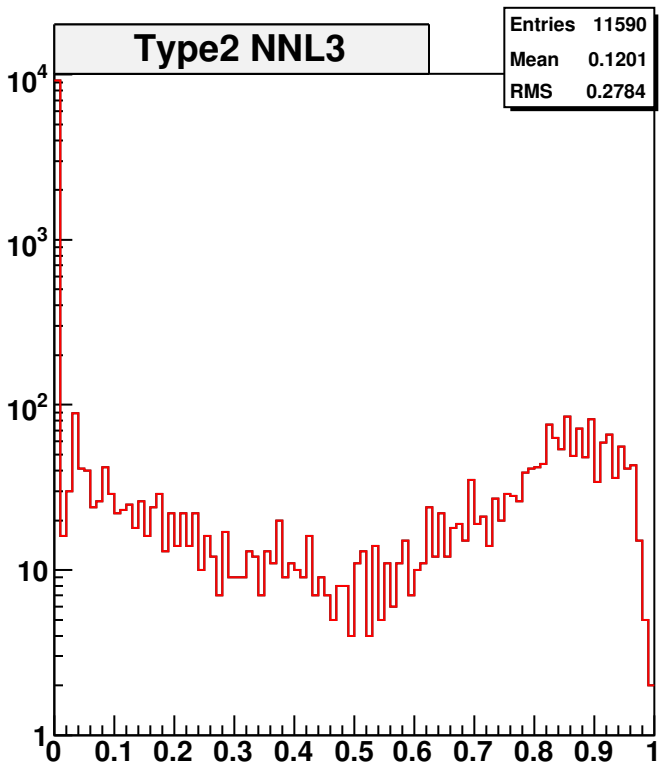


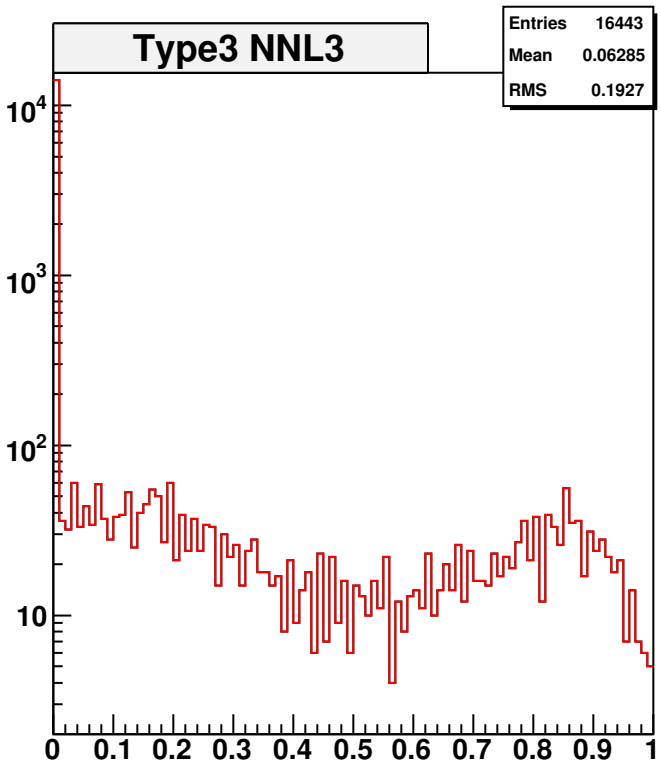


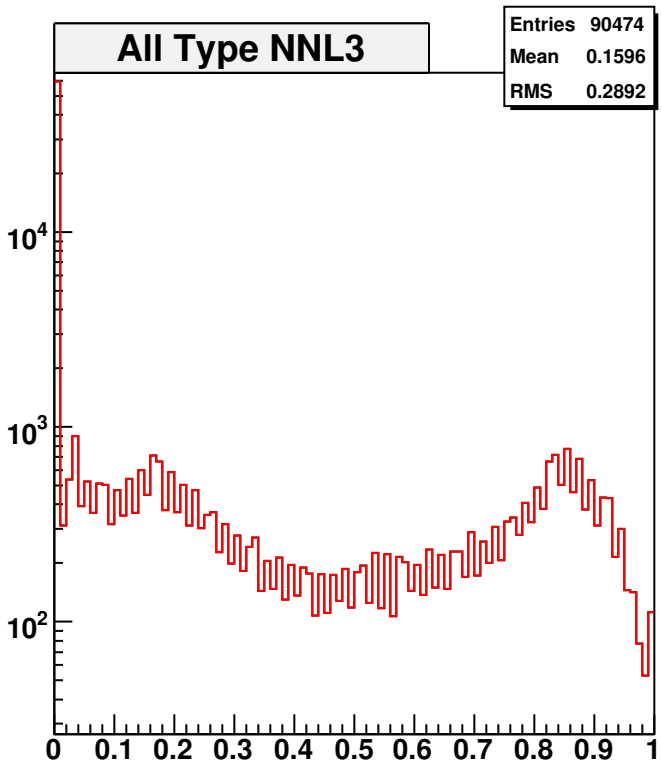


Taus NN (TAU All)

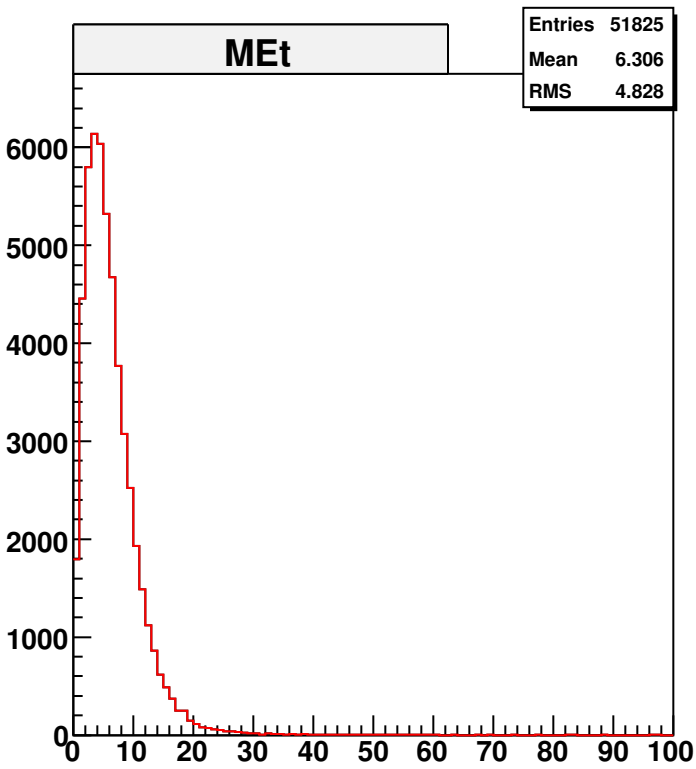


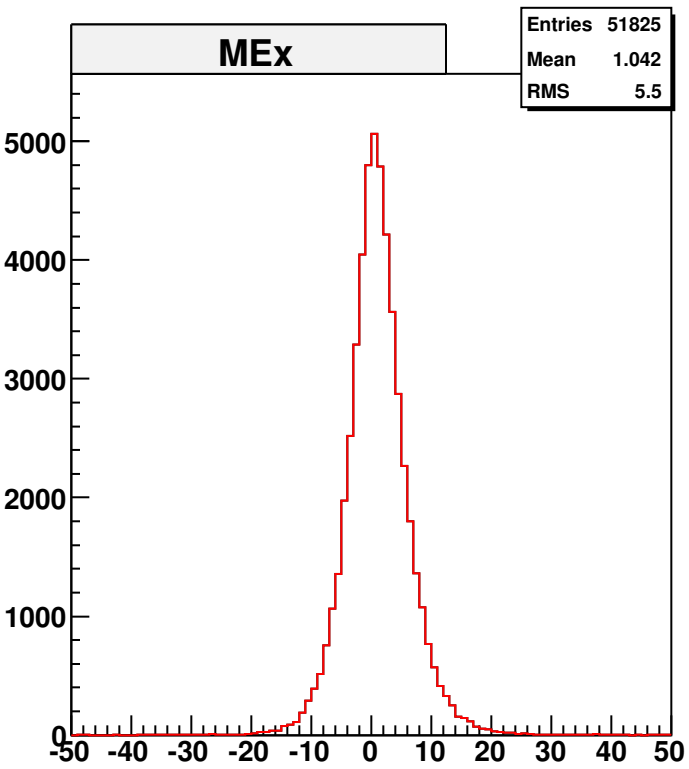






Taus NNL3 (TAU All)


MEt
Entries 51825
Mean 6.306
RMS 4.828
6000
5000
4000
3000
2000
1000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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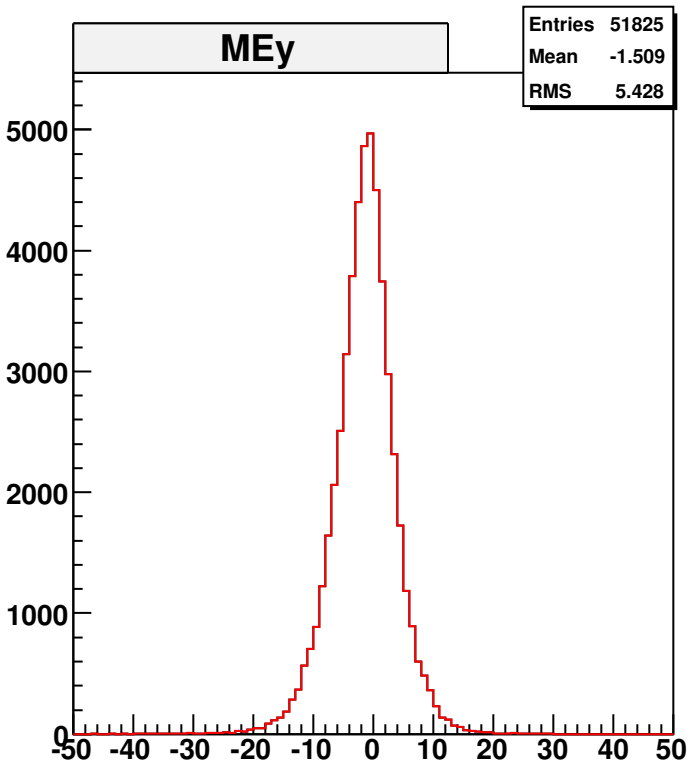
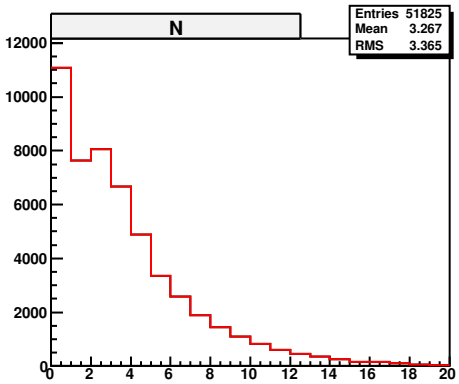
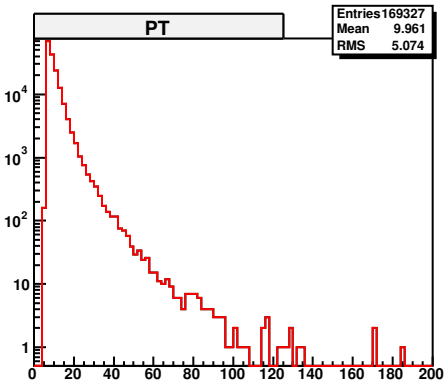
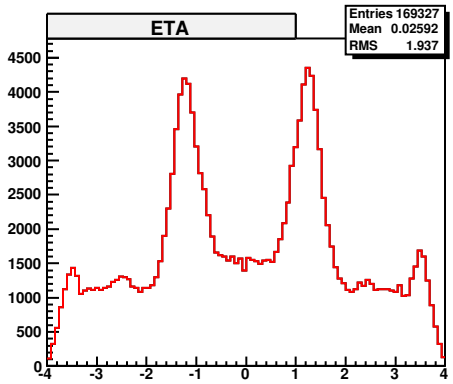
Mean 1.042
RMS 5.5
5000
4000
3000
2000
1000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

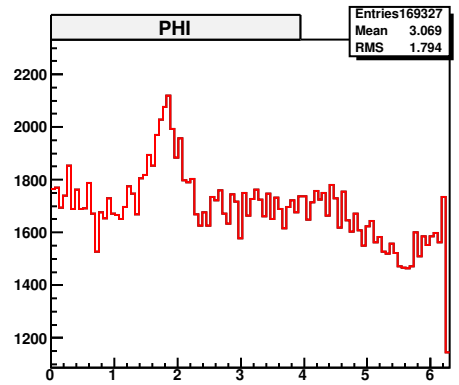

MEy
Entries 51825
Mean -1.509
RMS 5.428
5000
4000
3000
2000
1000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

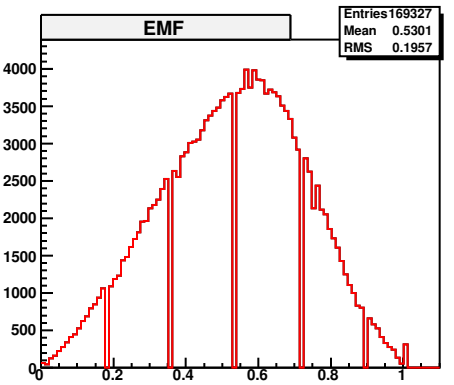
Met (No cuts)

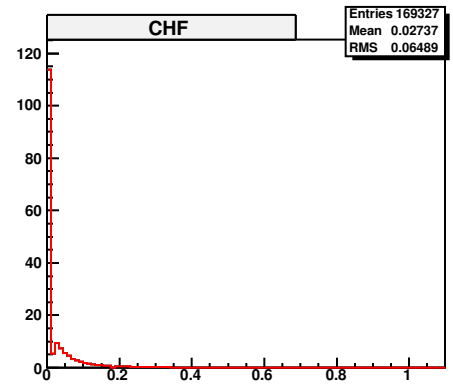


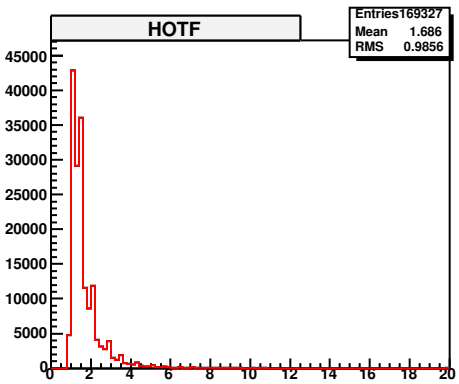


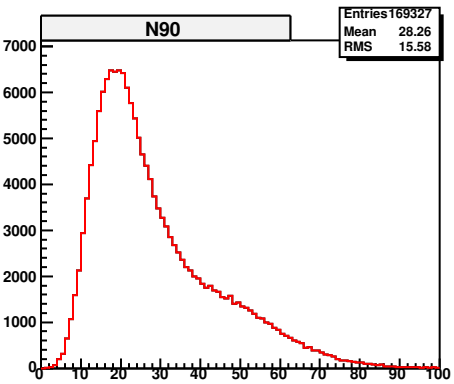


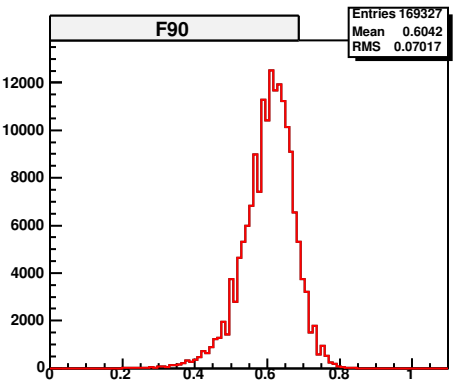


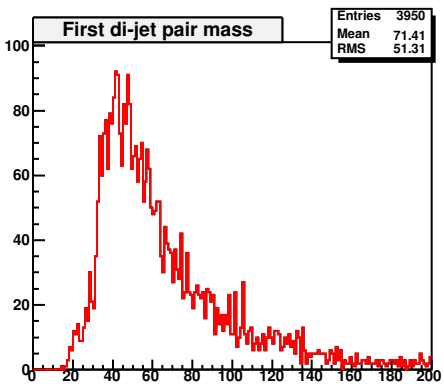


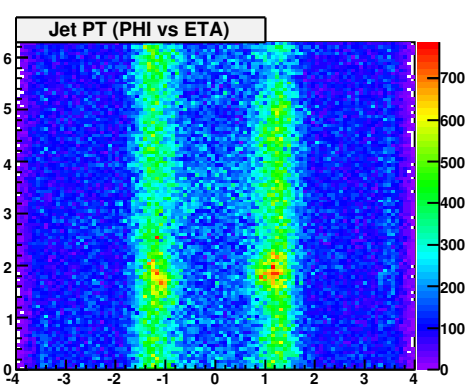




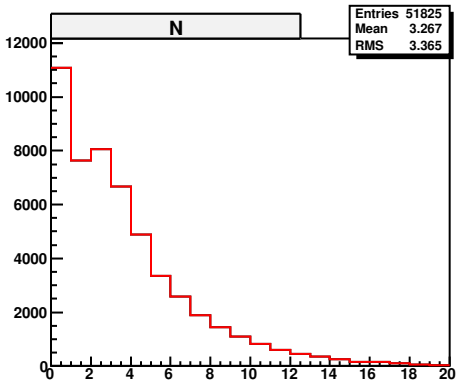


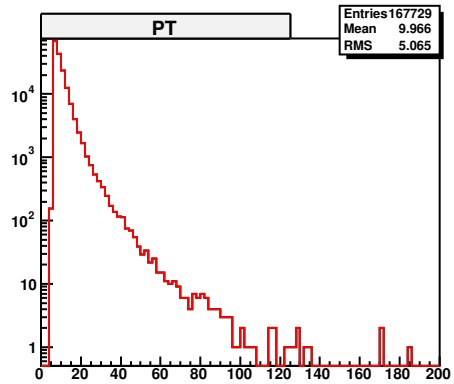


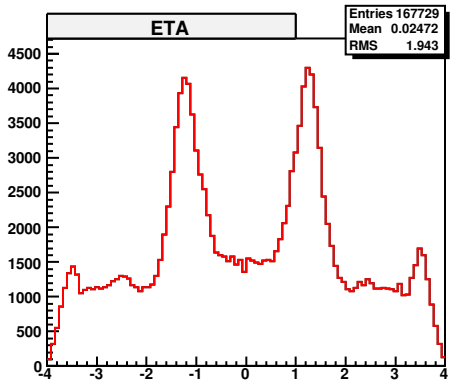


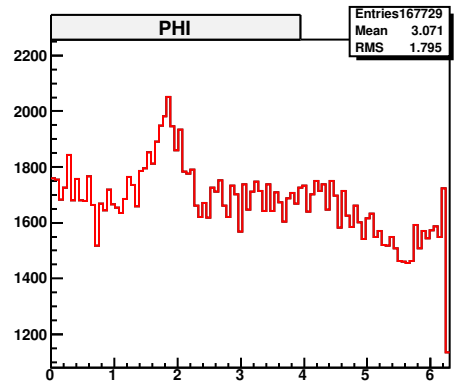


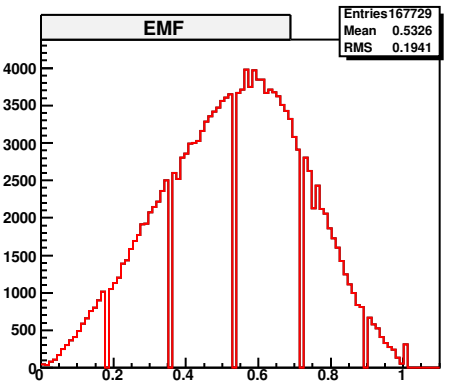
Jets (Cone R 0.7 (no cuts))

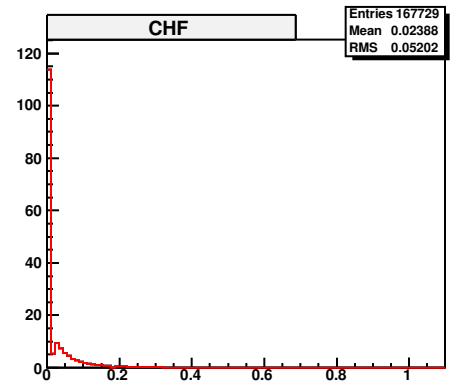


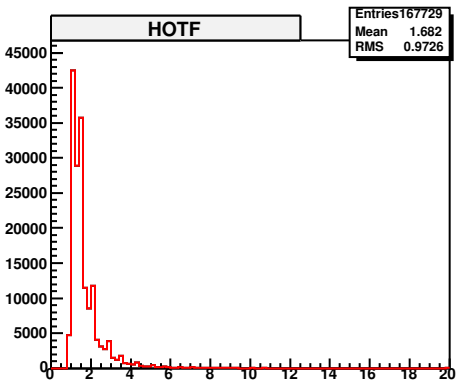


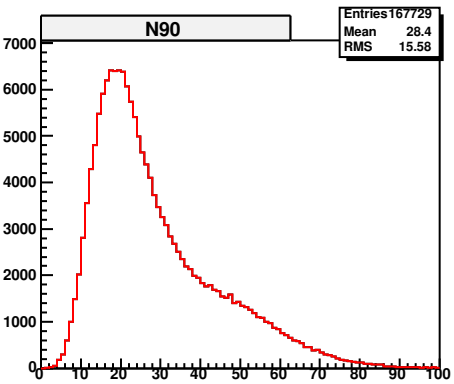


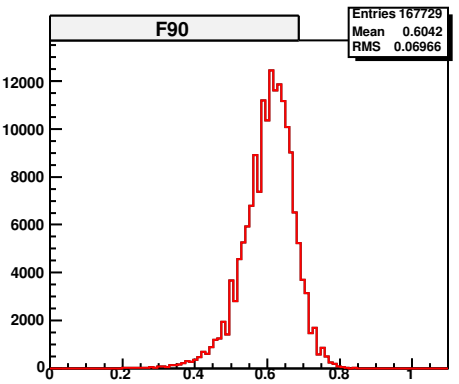


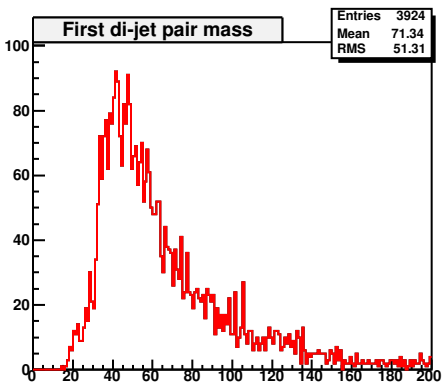


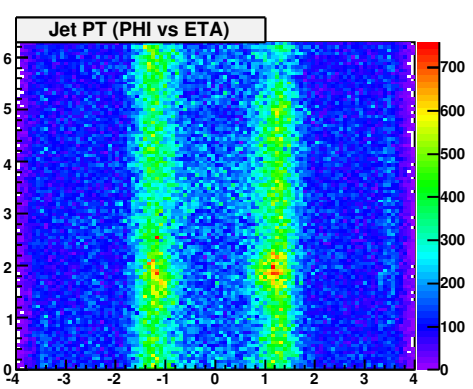




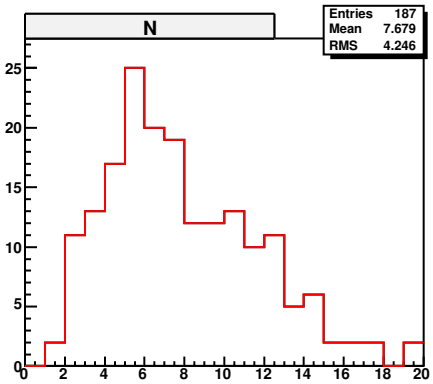


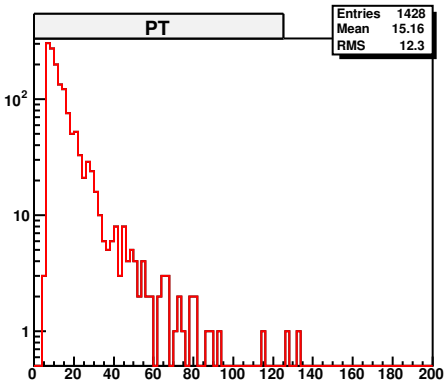


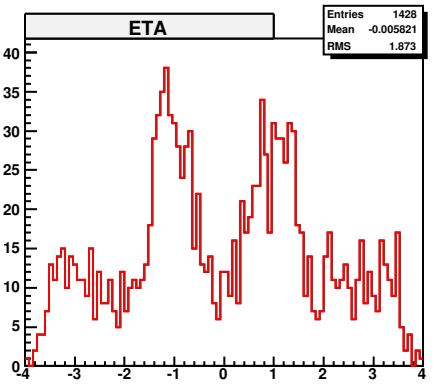


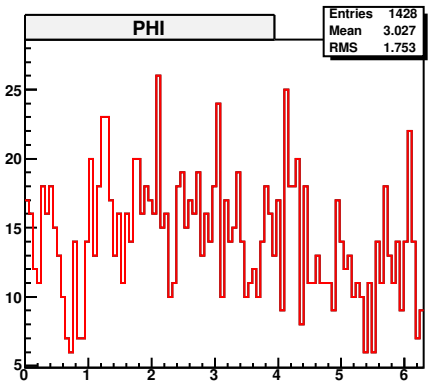


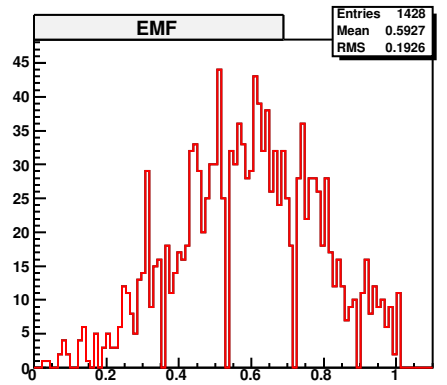
Jets (Cone R 0.7 (standard cuts))

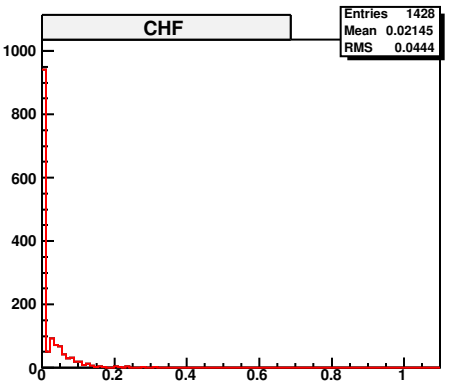


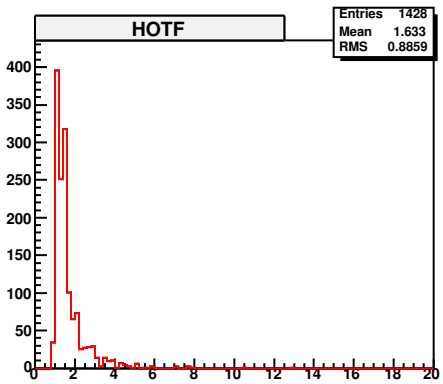


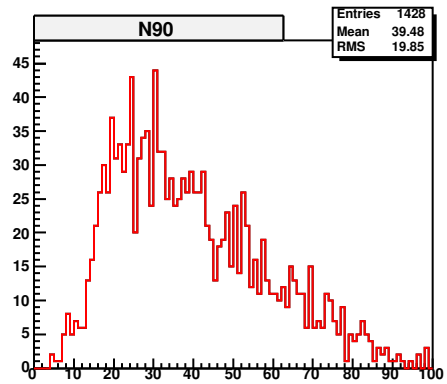


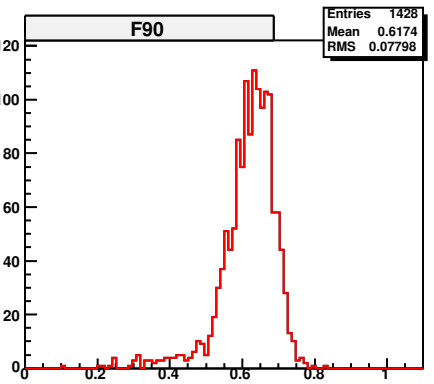


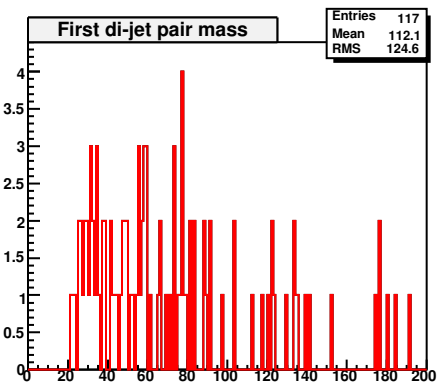


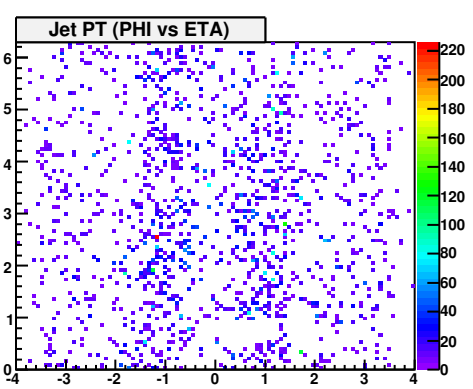




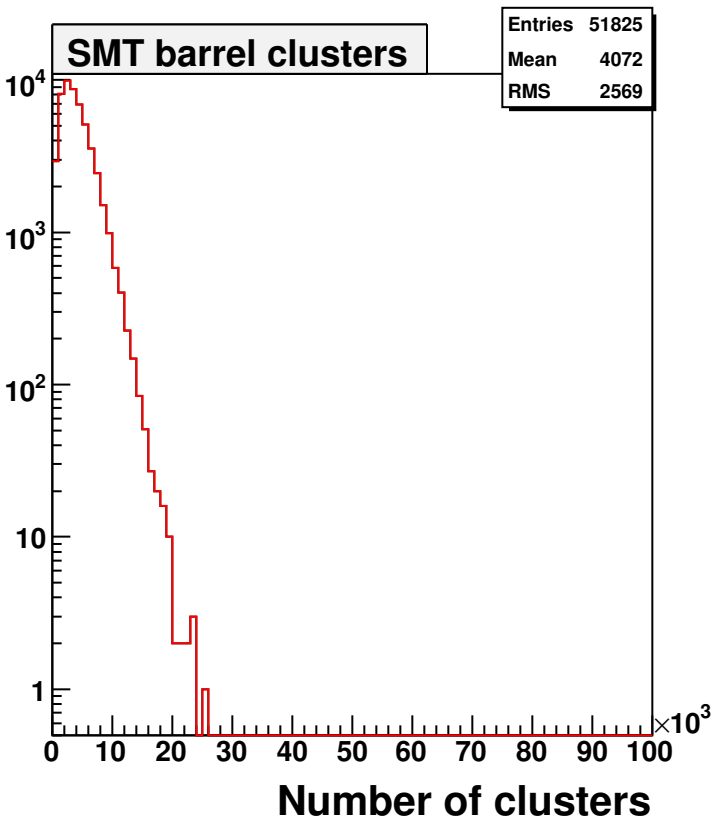


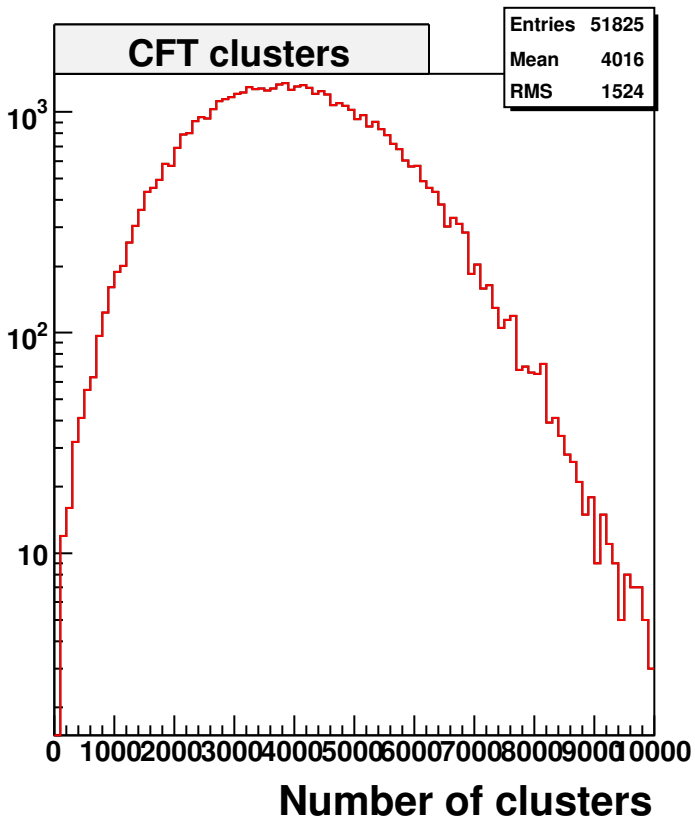


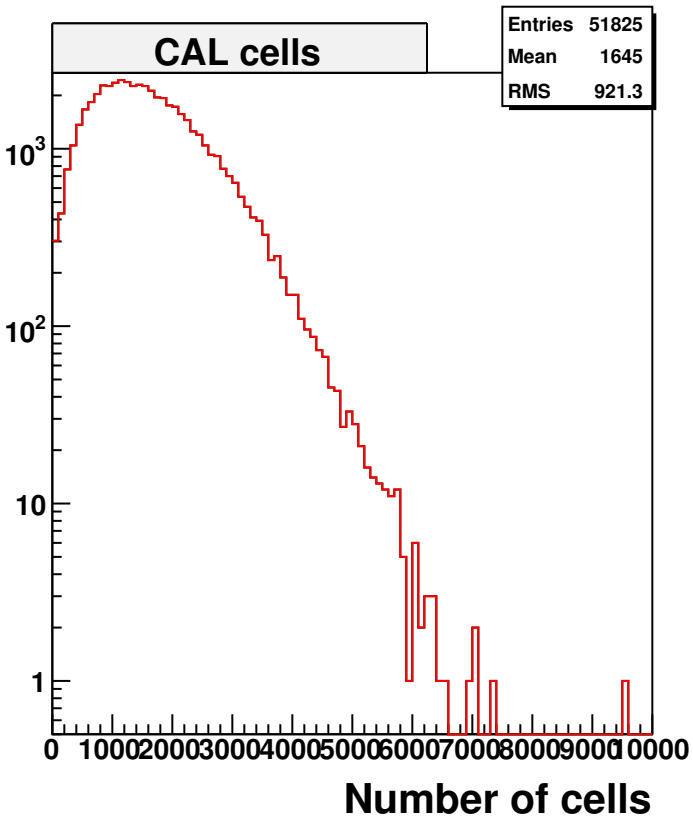


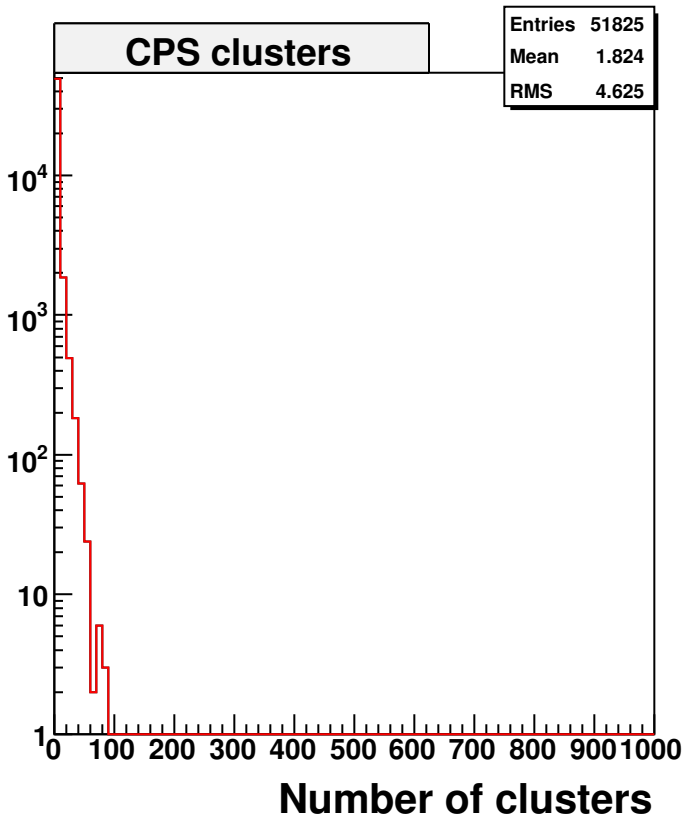


Jets (Cone R 0.7 (standard cuts, MET>30))

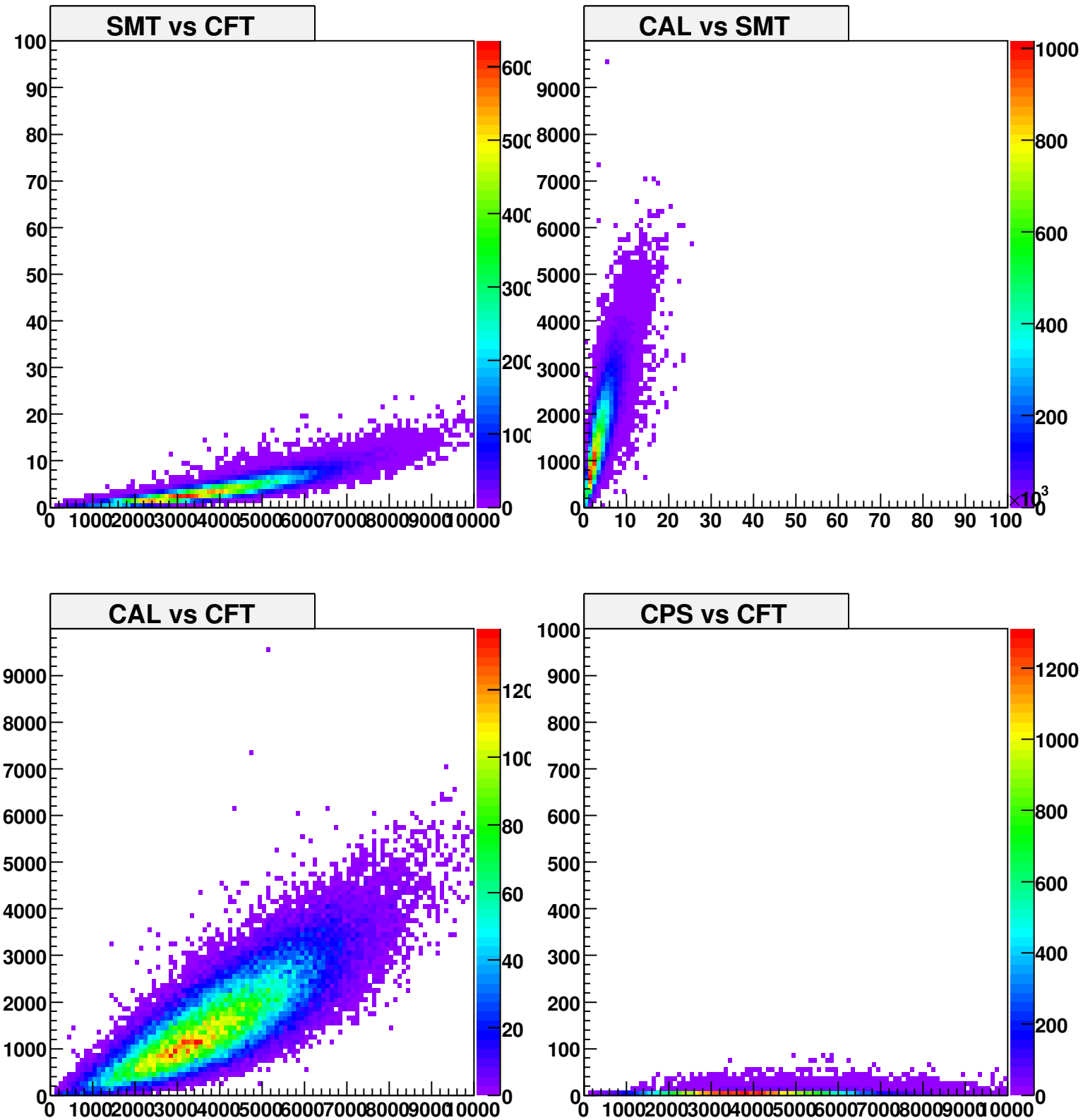


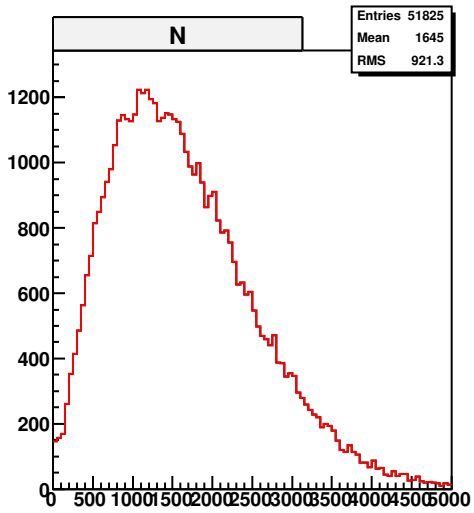


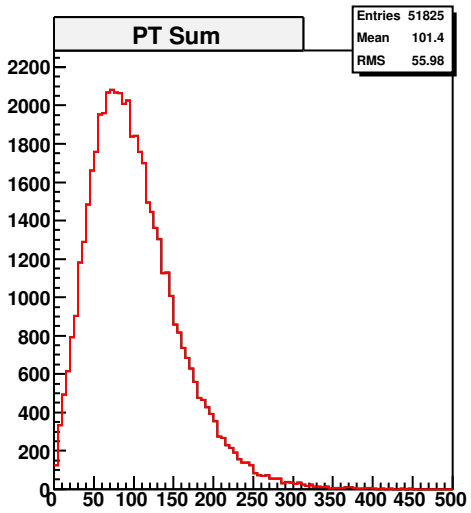


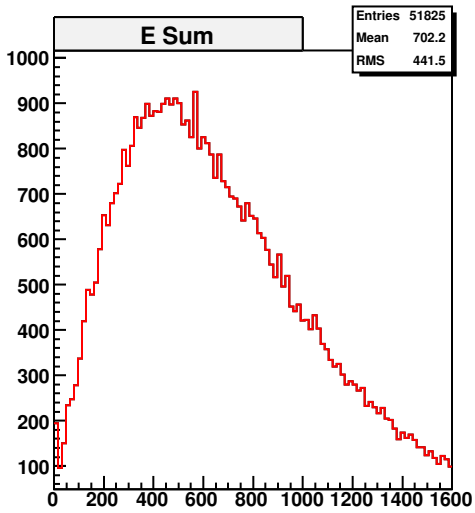


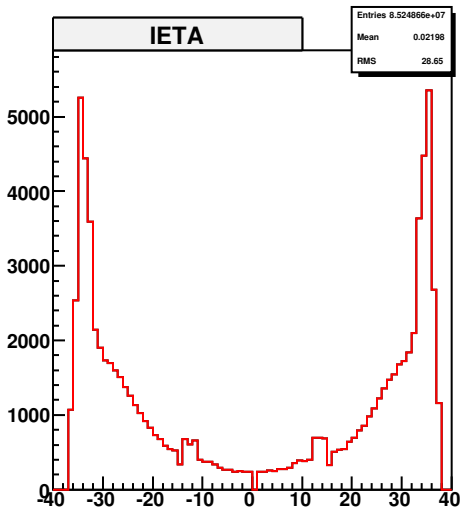
Detector Occupancy (Detector)

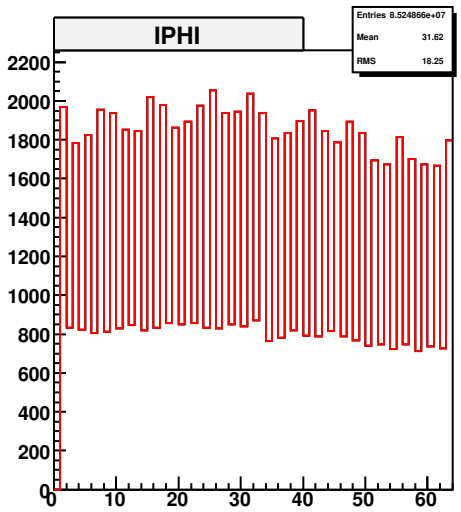

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

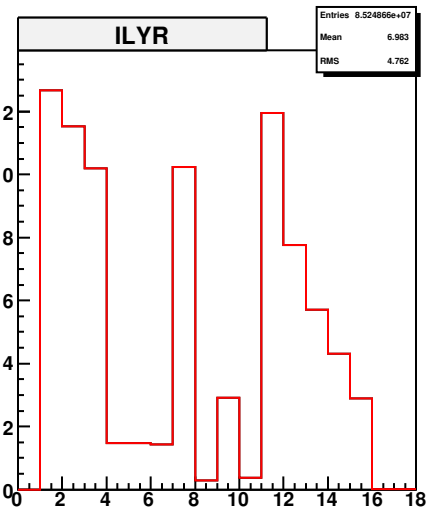


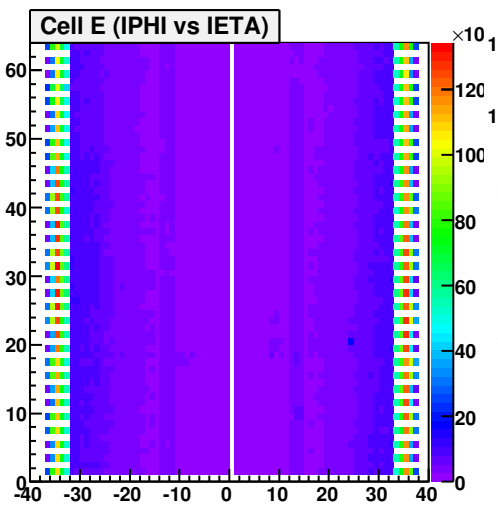


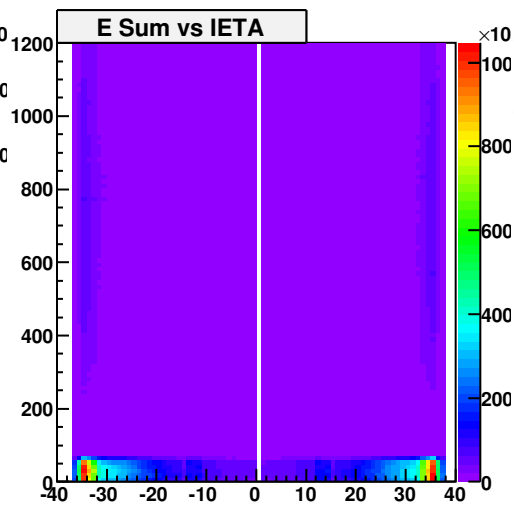


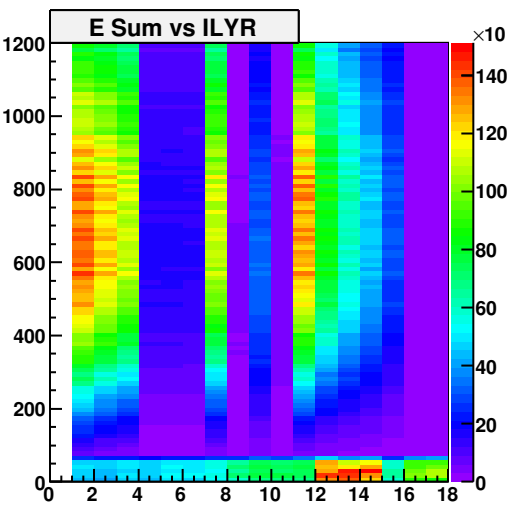




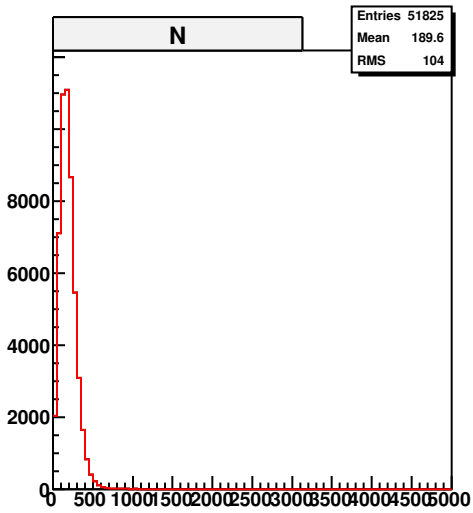


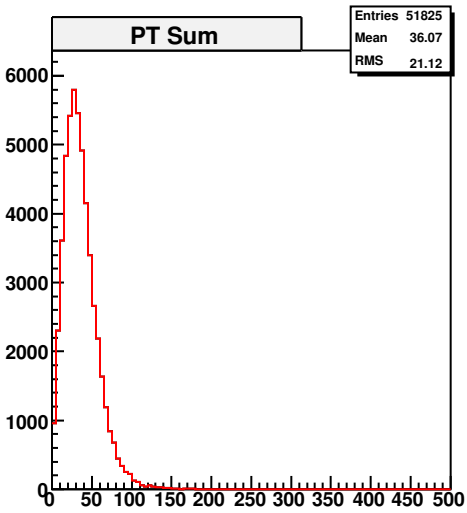


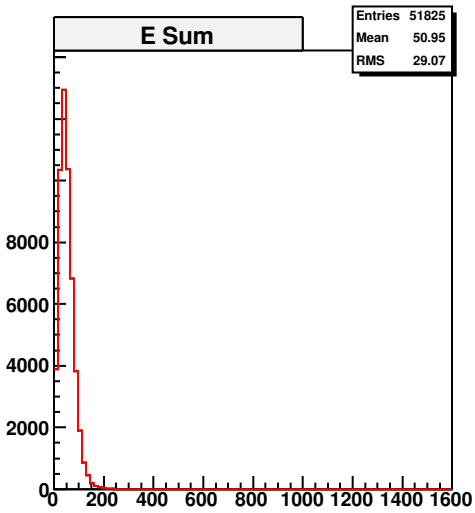


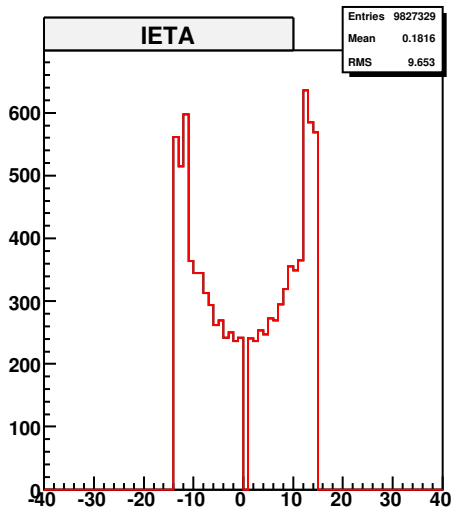


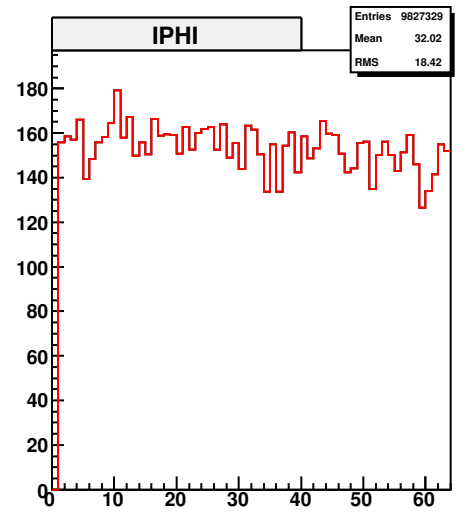
Calorimeter (All cells)

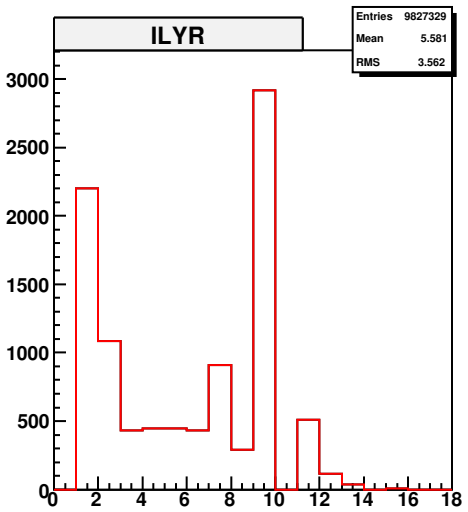


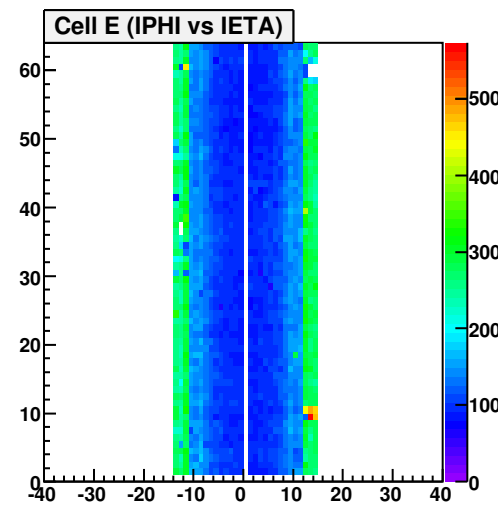


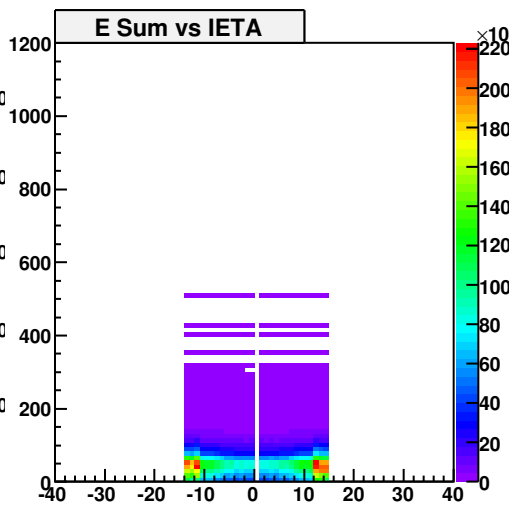


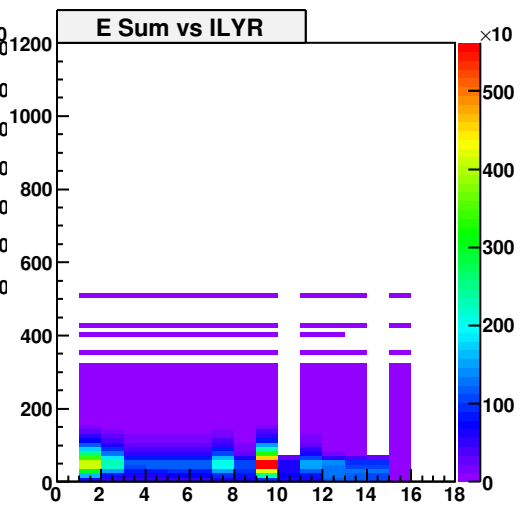




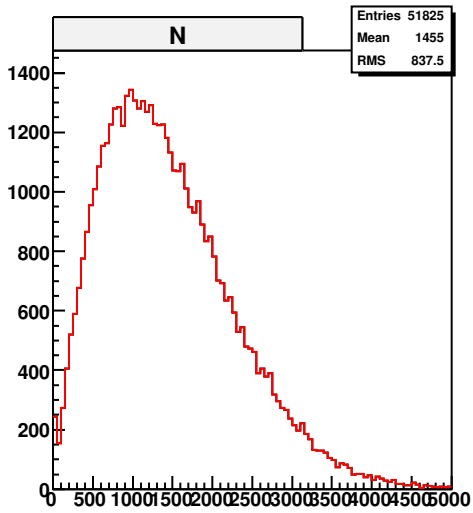


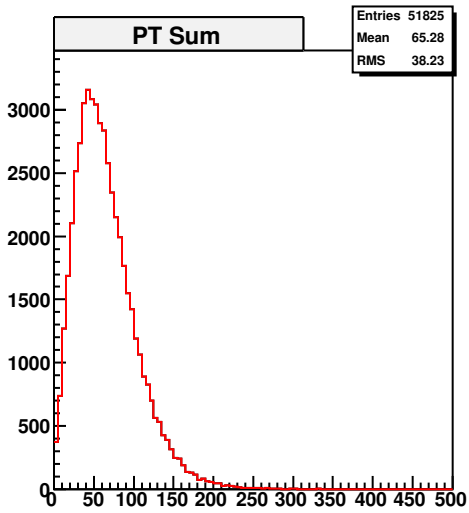


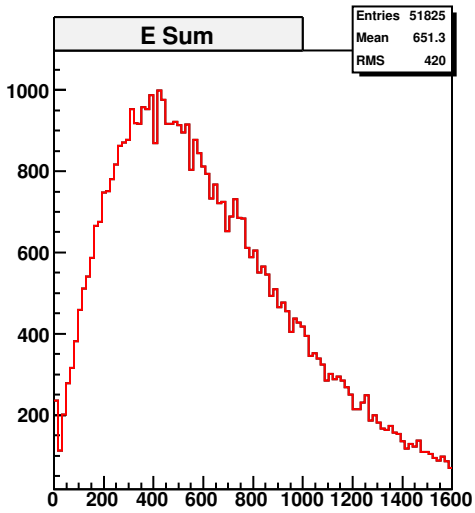


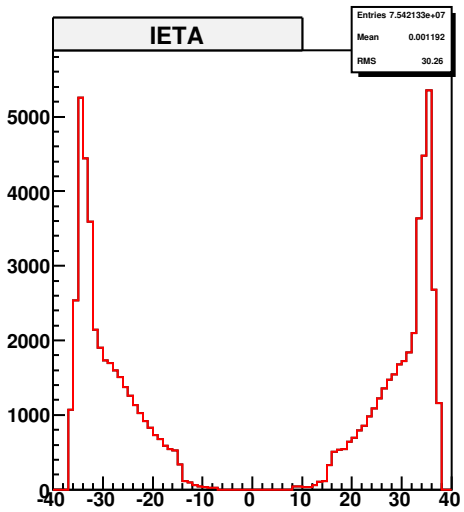


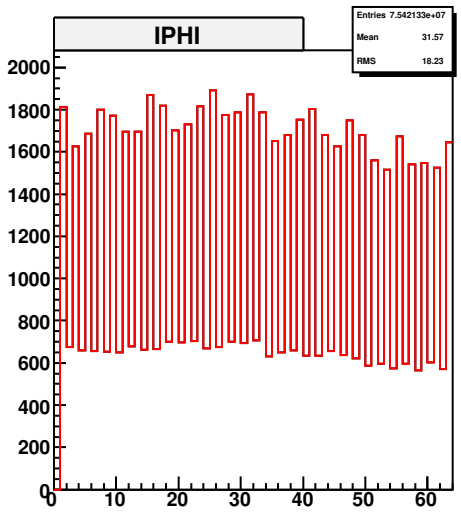
Calorimeter (All CC cells)

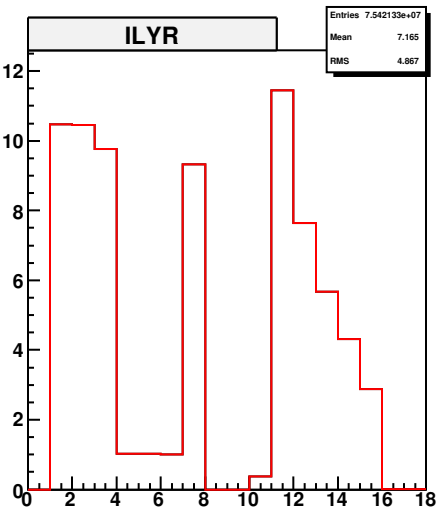


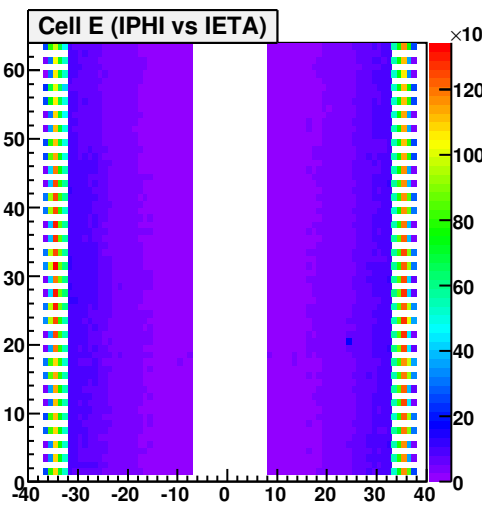


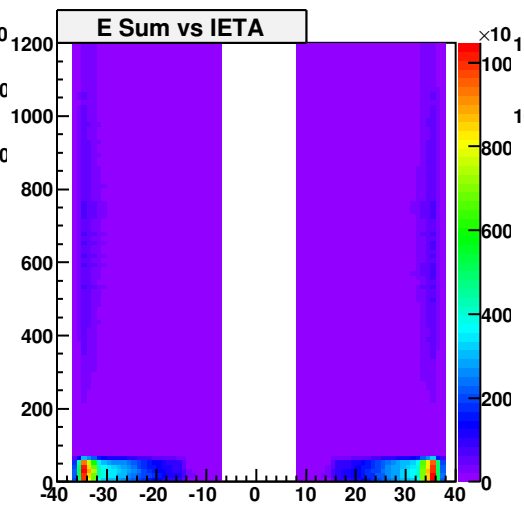


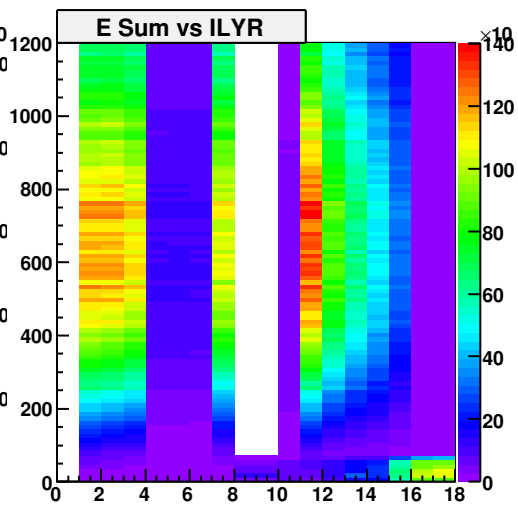




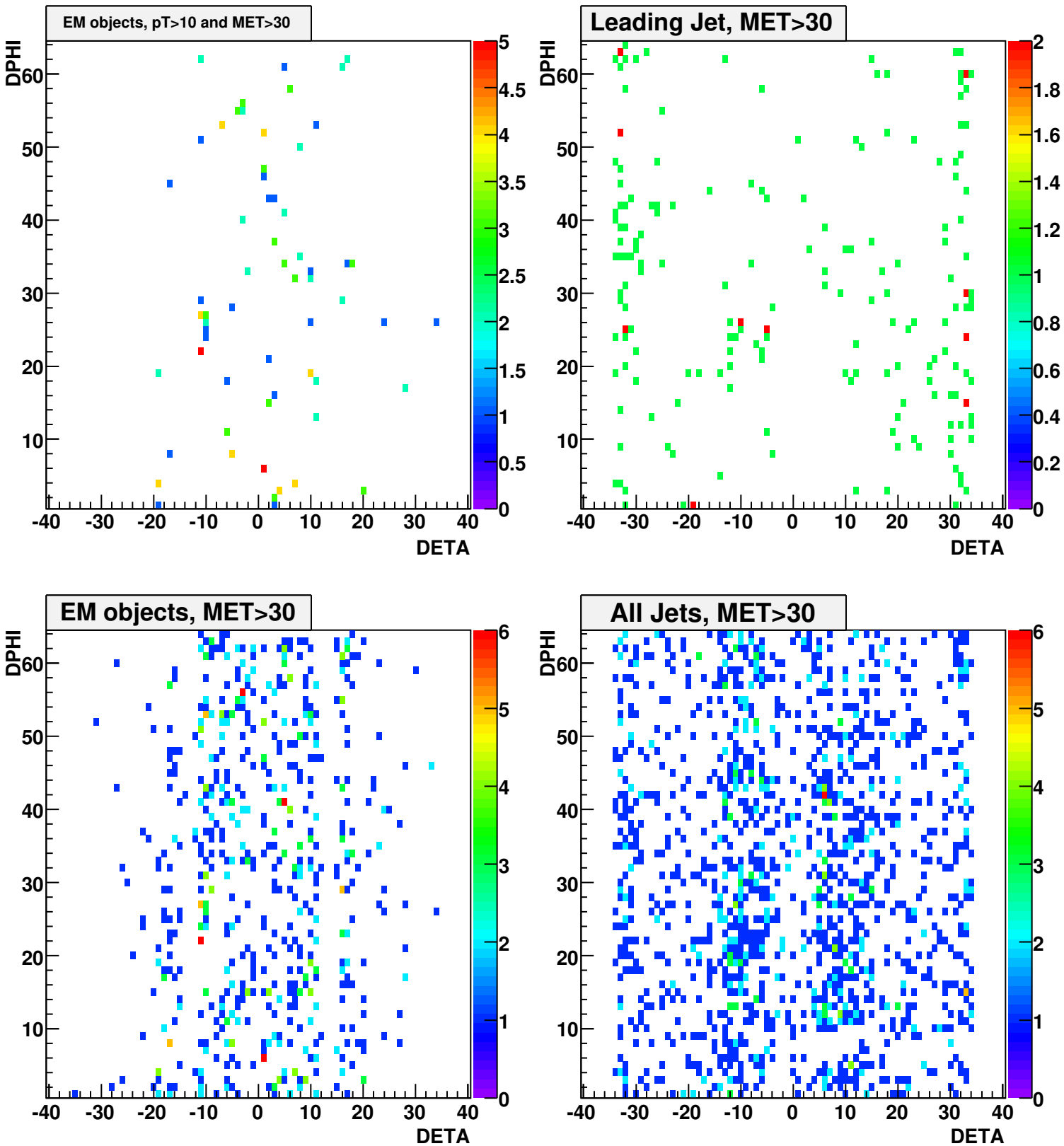




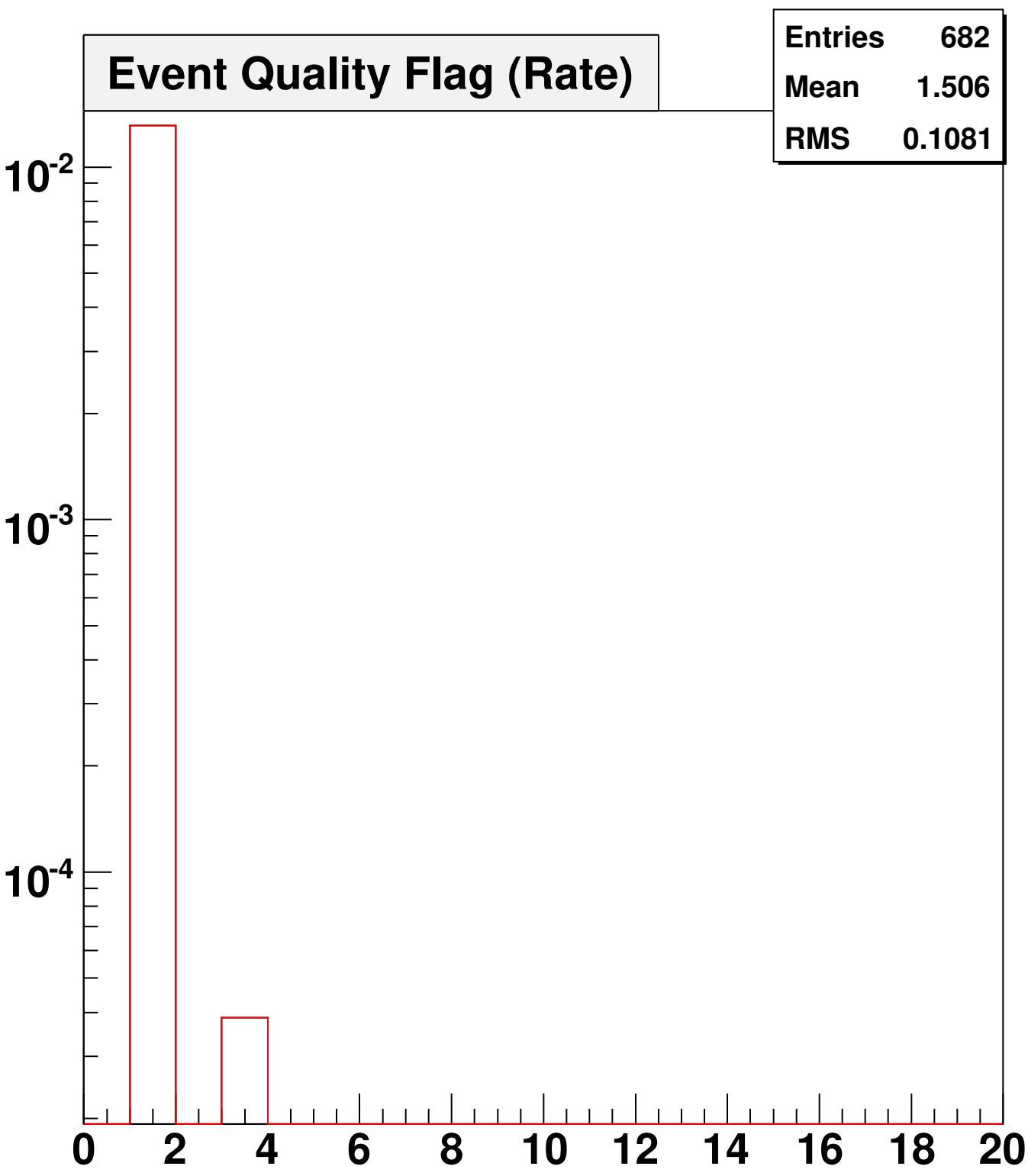


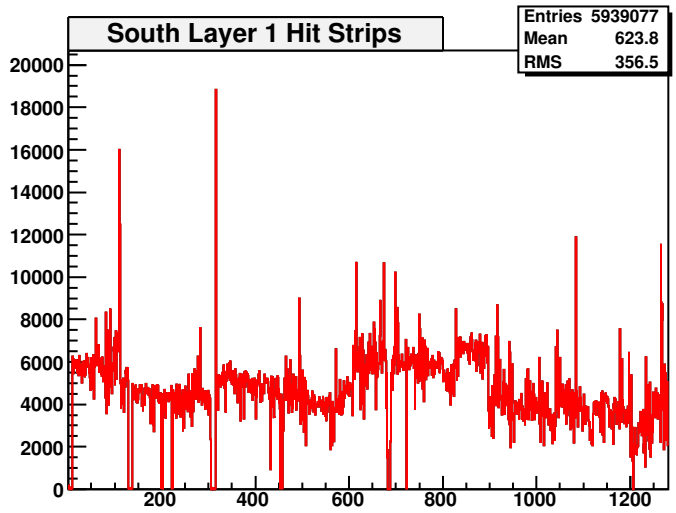


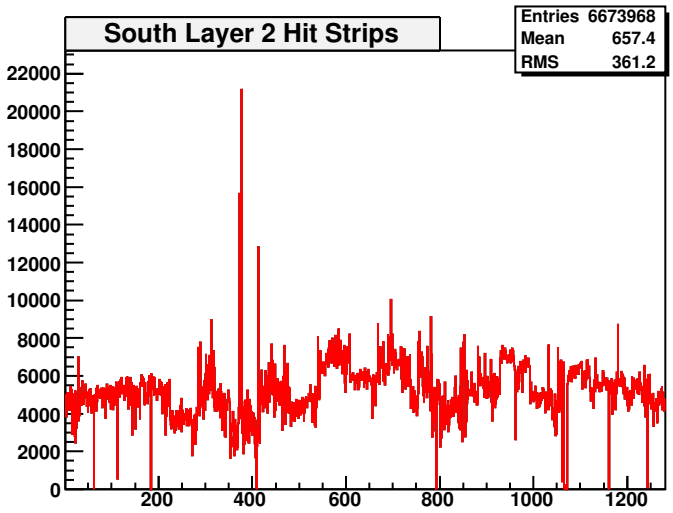
Calorimeter (All EC cells)

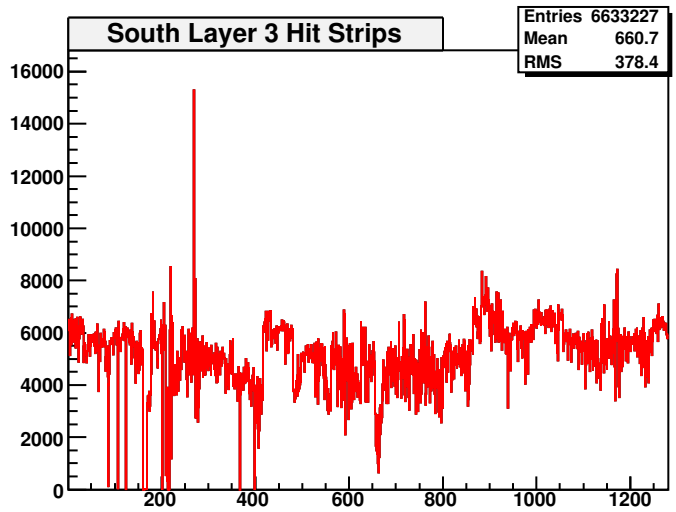


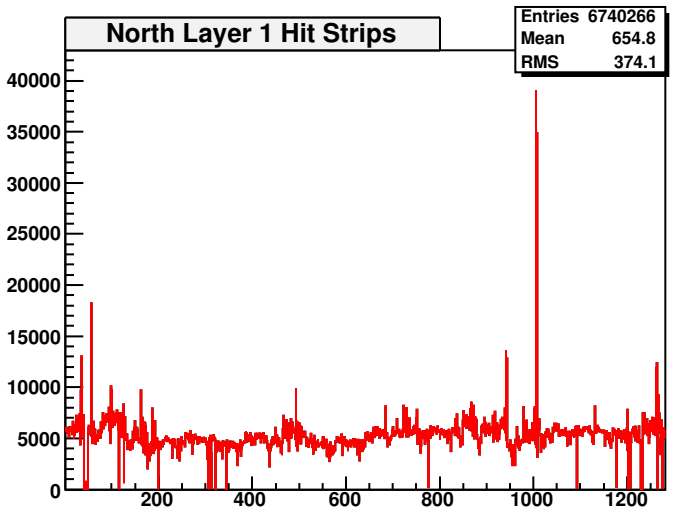
Cal Objects with MET>30 (All cells)

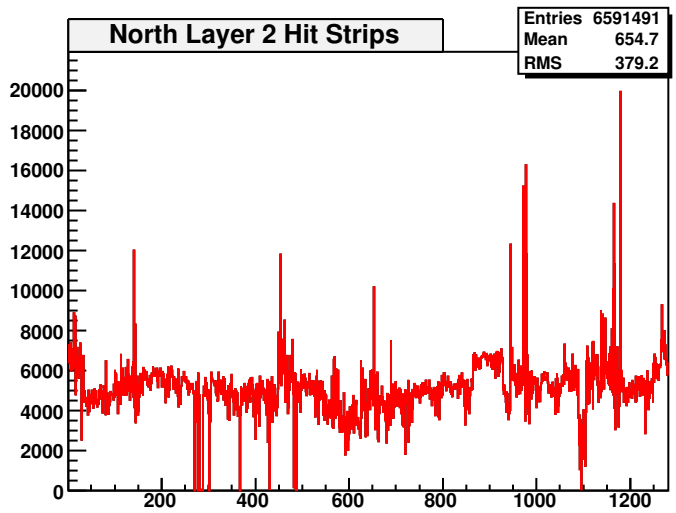

Event Quality Flag (Rate)
Entries 682
Mean 1.506
RMS 0.1081
10-2
10-3
10-4
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

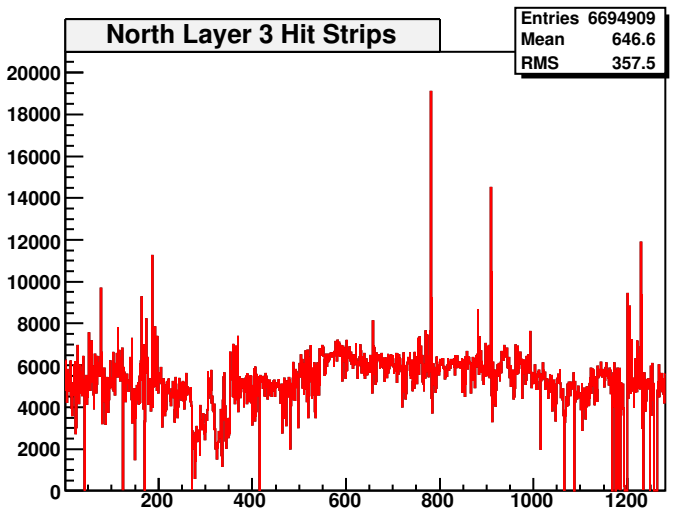




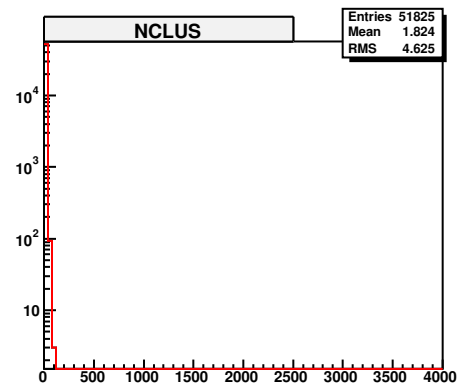


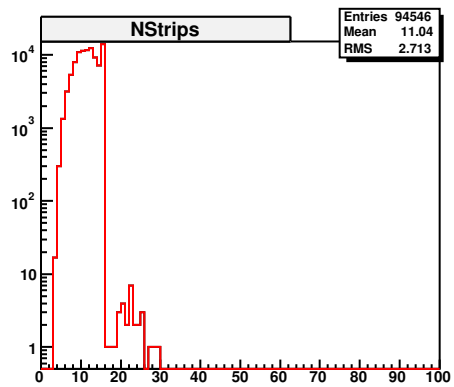


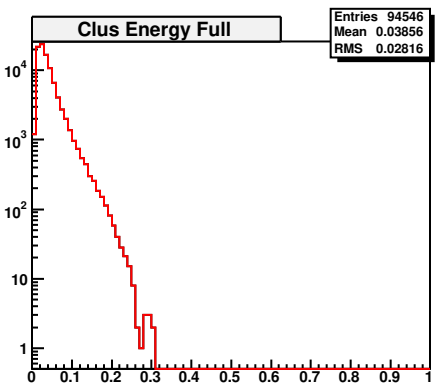


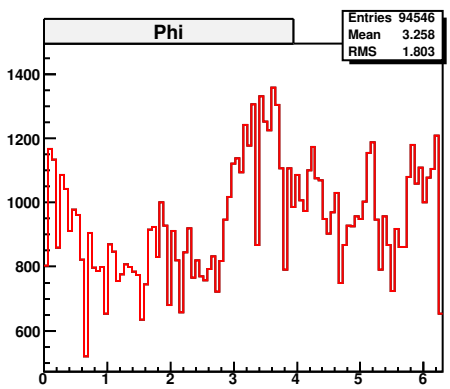


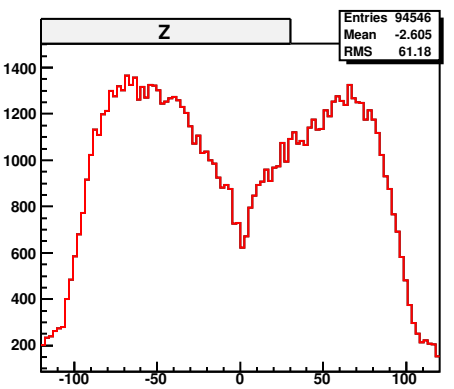
CPS Hit Strips (All Clusters)

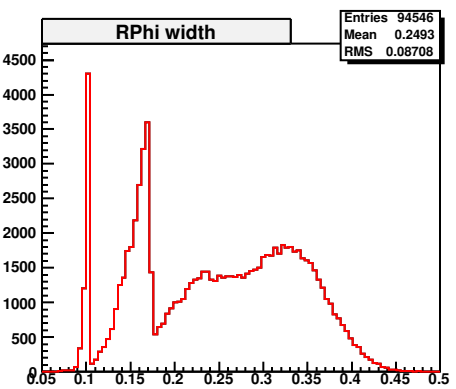


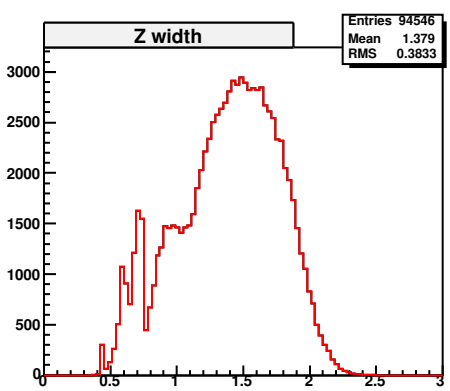


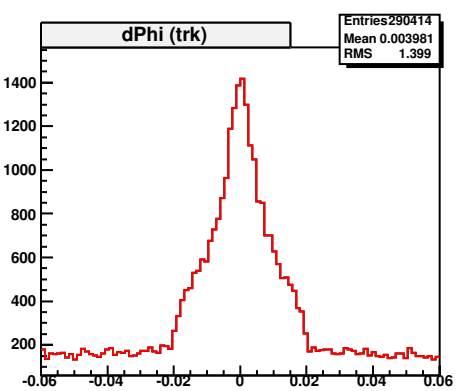


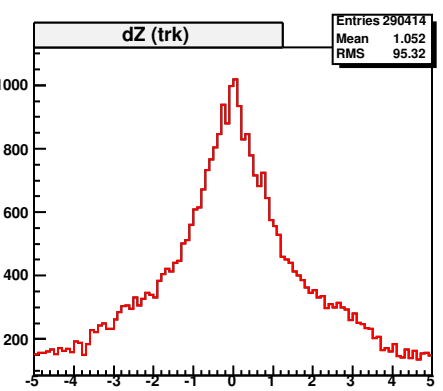


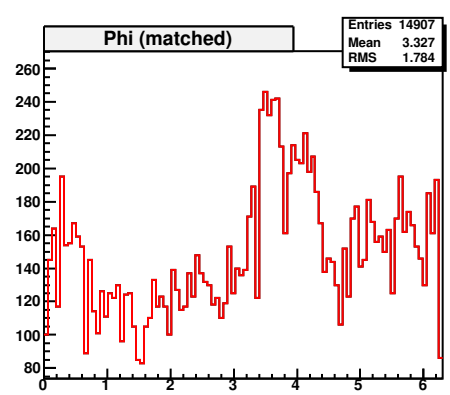


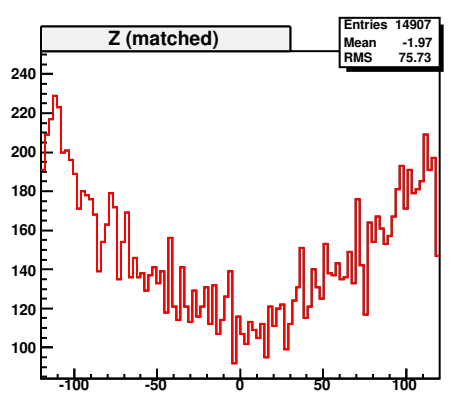




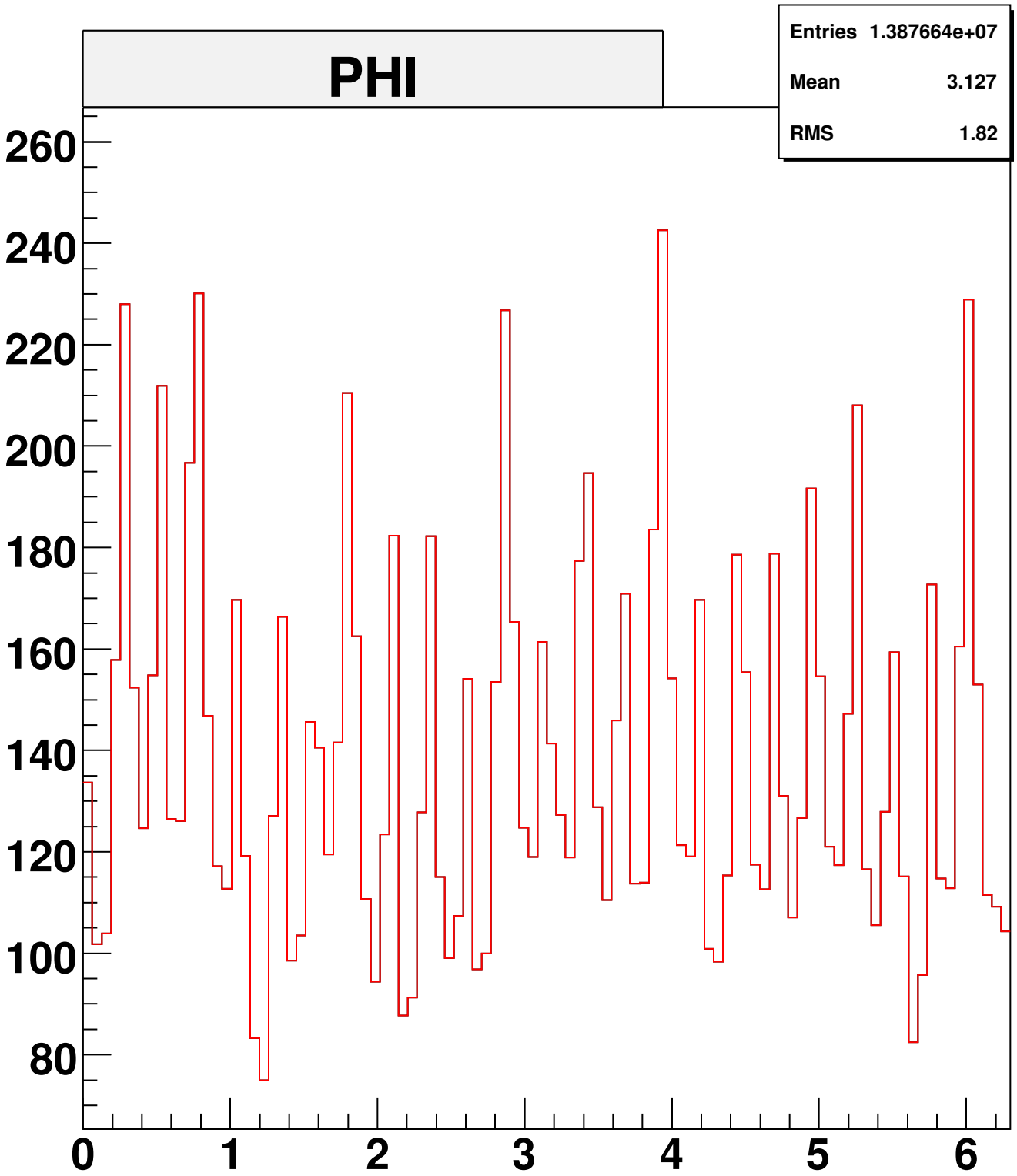


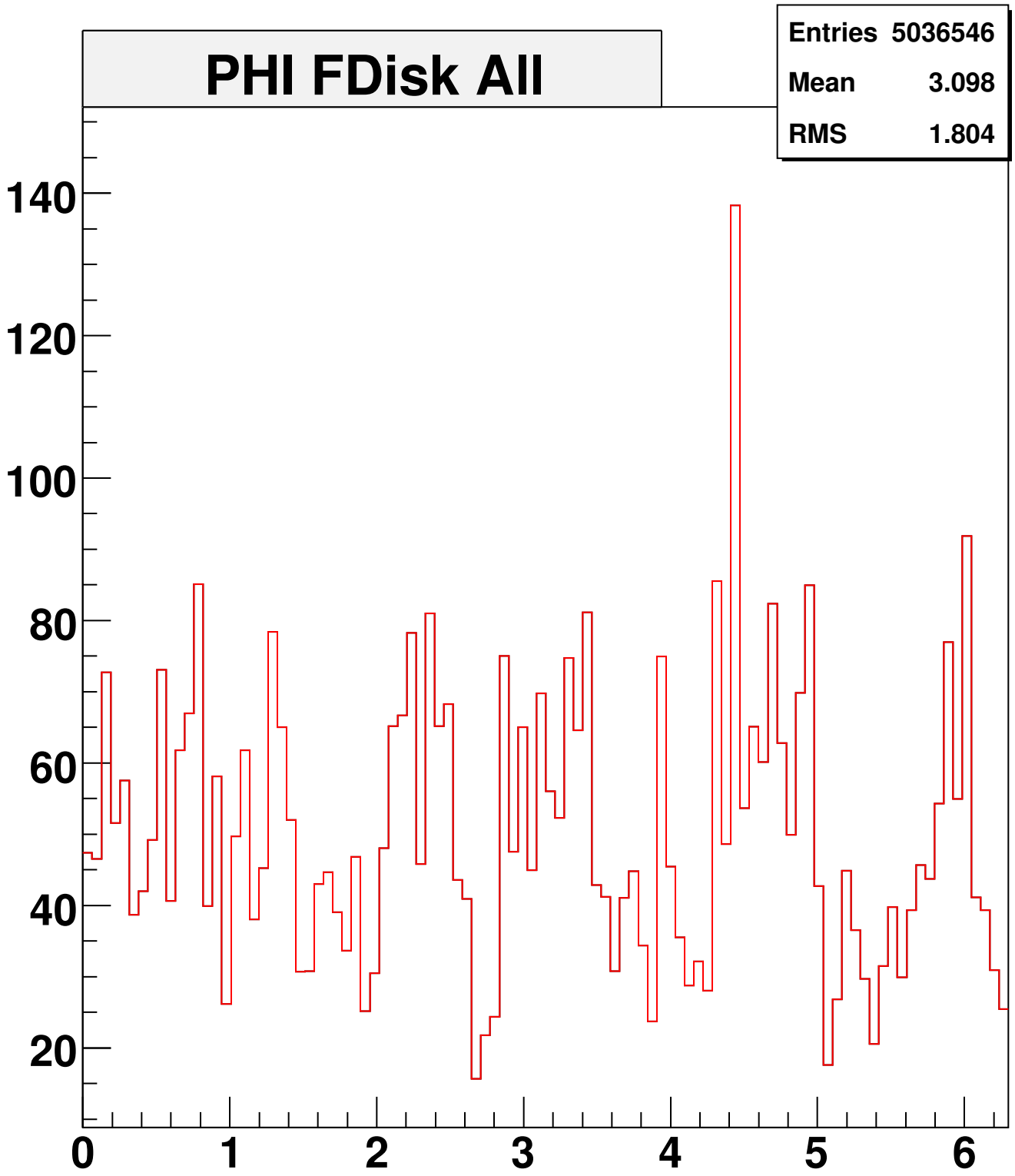


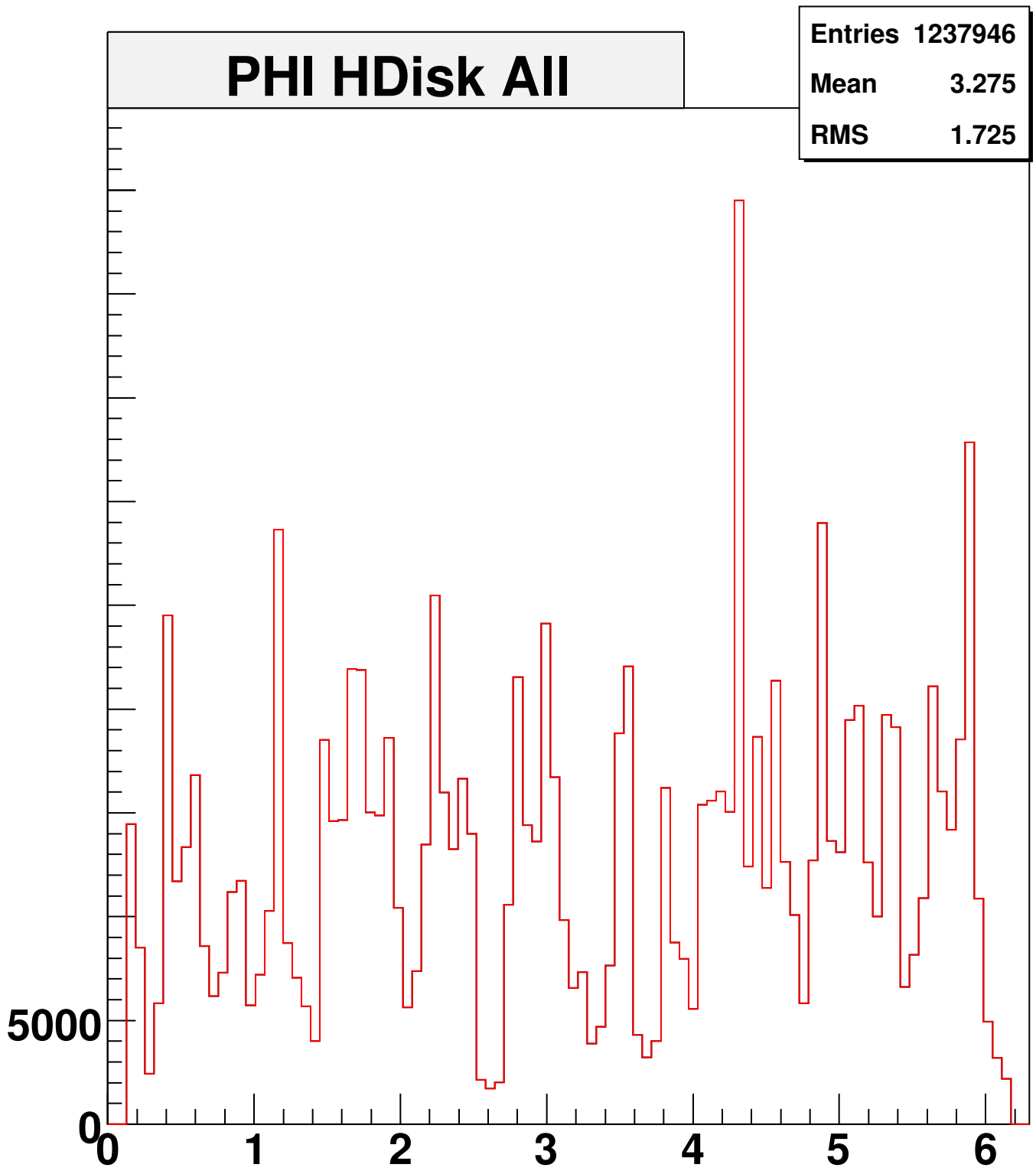


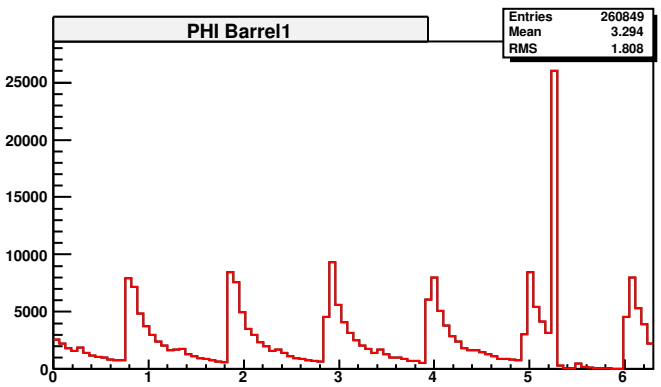


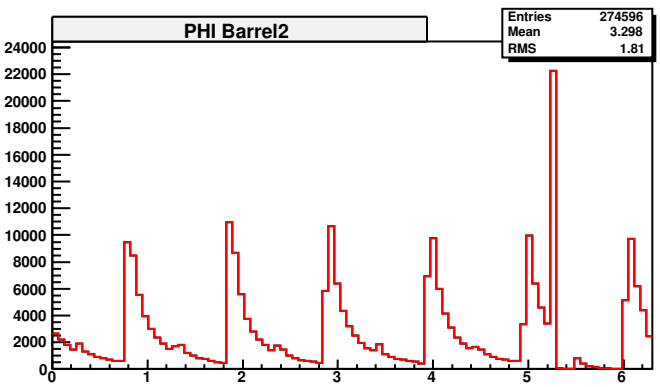
CPS Clusters (All Clusters)

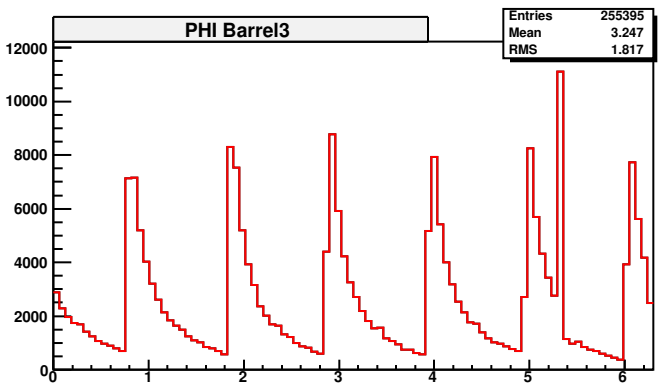

PHI
Entries 1.387664e+07
Mean 3.127
RMS 1.82
260
240
220
200
180
160
140
120
100
80
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

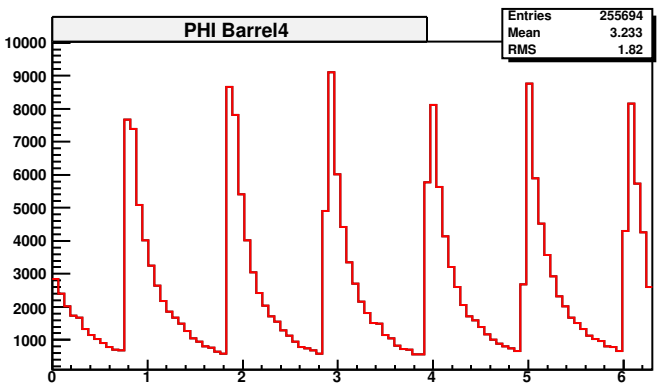

PHI FDisk All
Entries 5036546
Mean 3.098
RMS 1.804
140
120
100
80
60
40
20
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

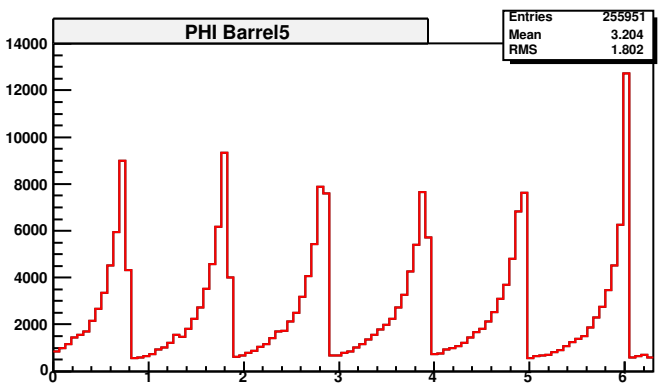

PHI HDisk All
Entries 1237946
Mean 3.275
RMS 1.725
5000
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

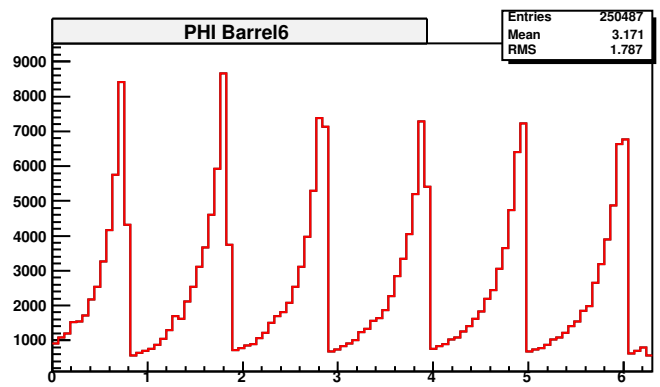


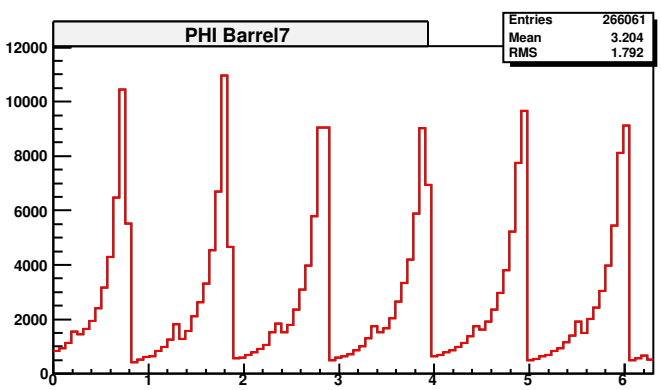


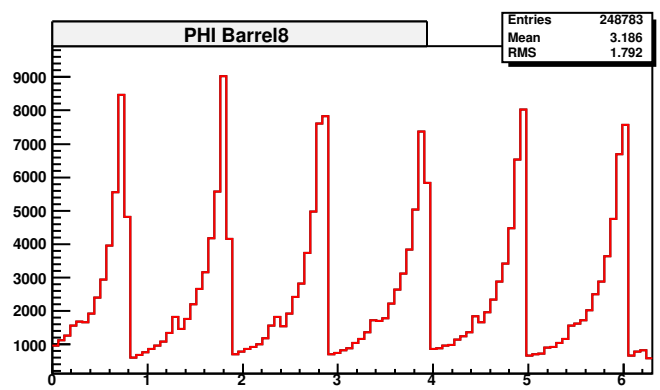




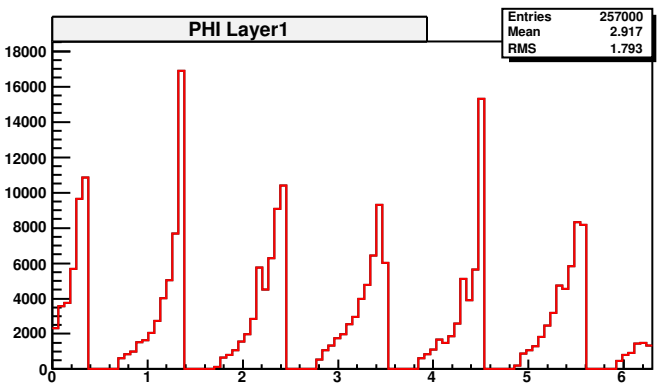


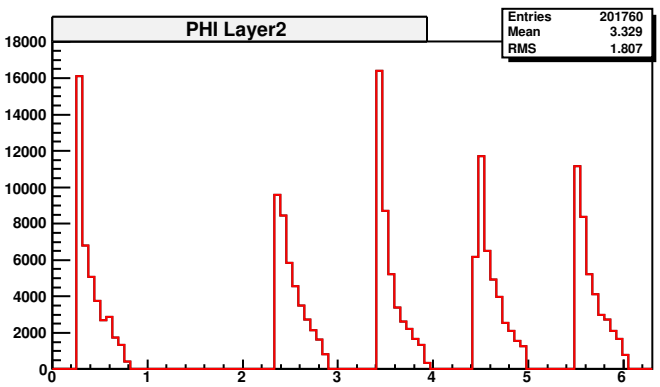


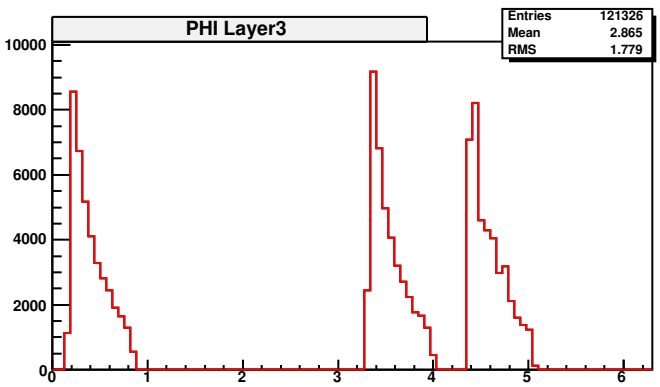


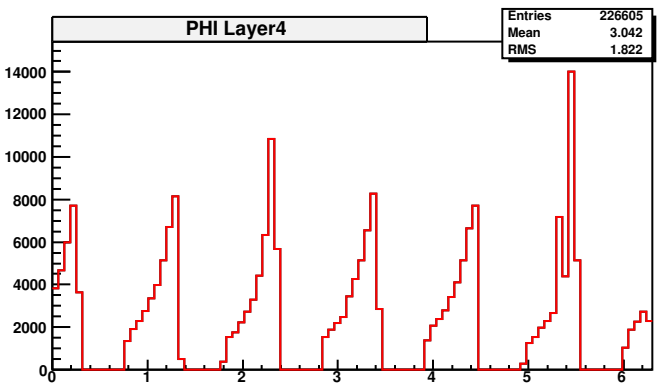


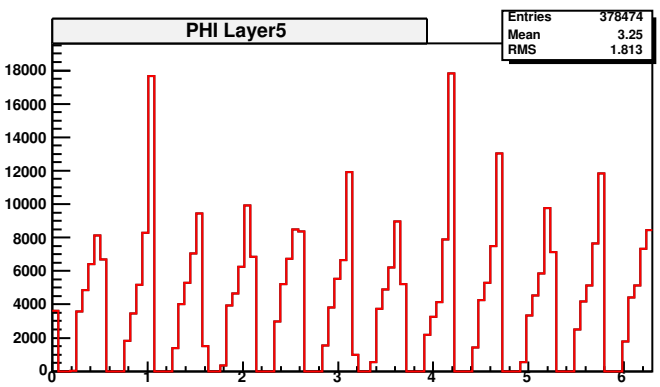
SmtClusters (ClustrLayer0)

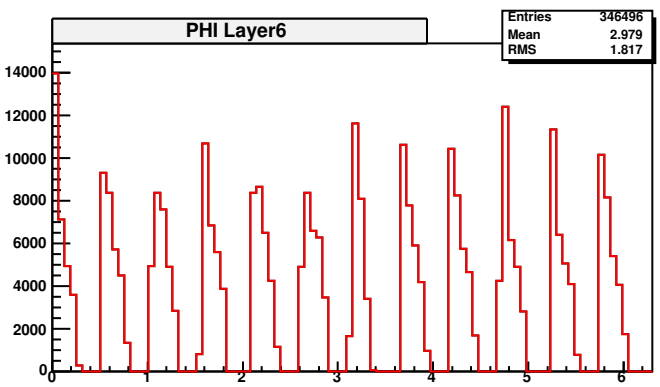


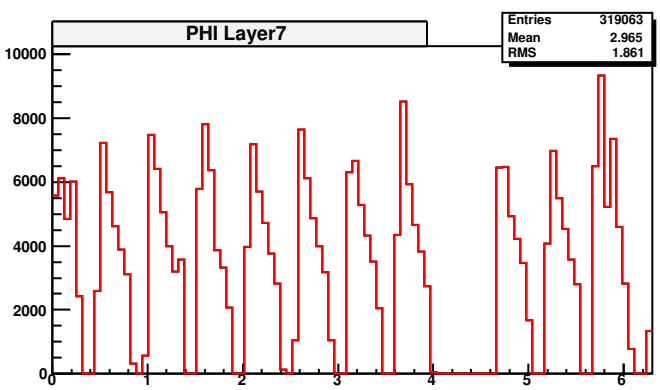


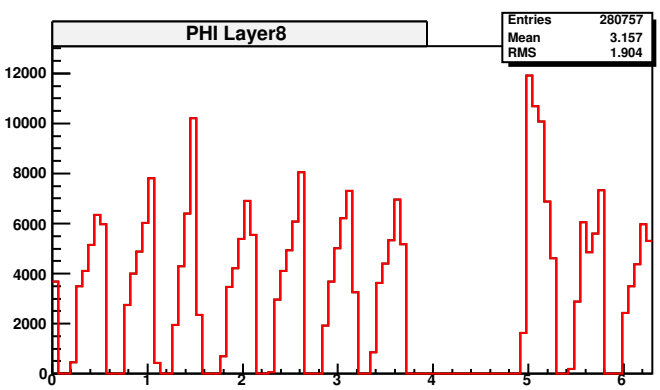




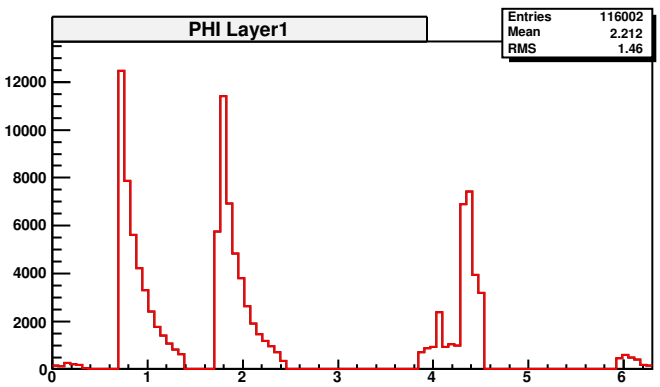


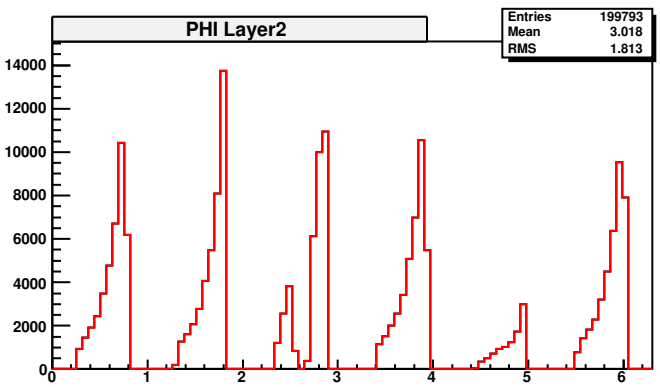


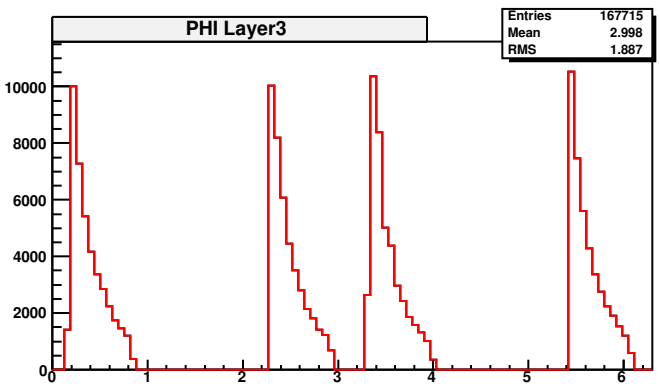


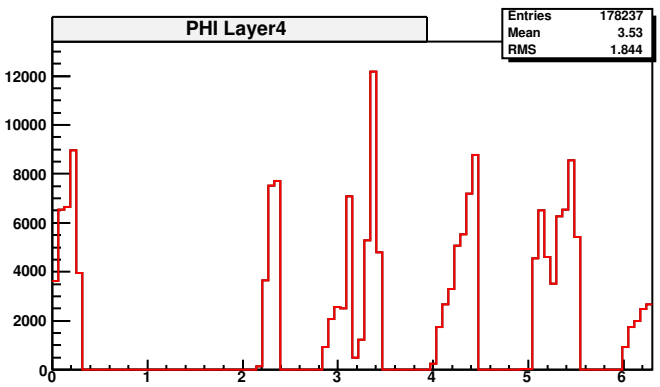


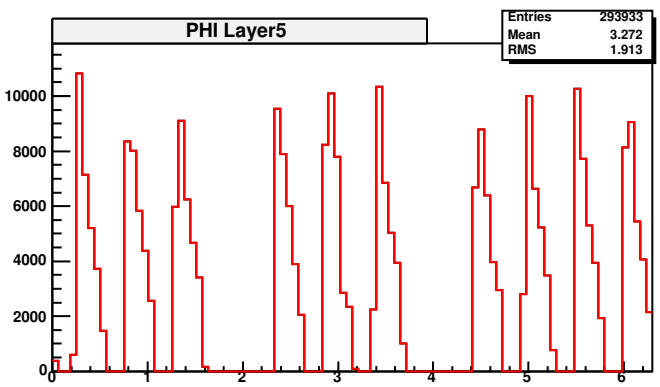
SmtClusters (ClustrBar1)

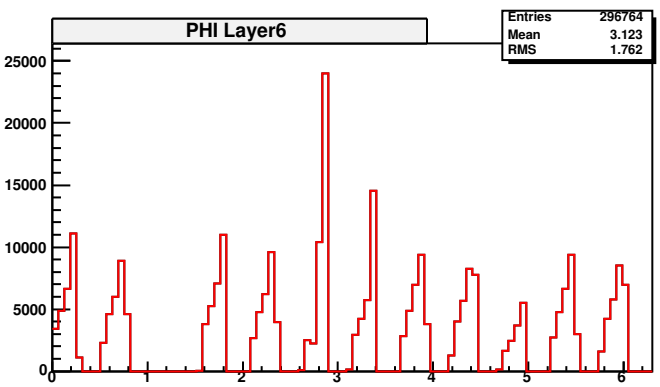


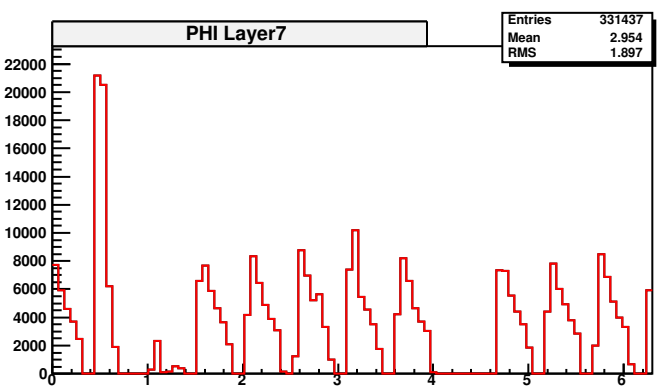


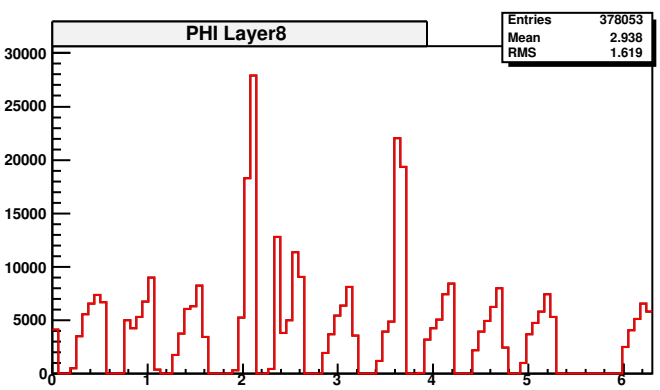




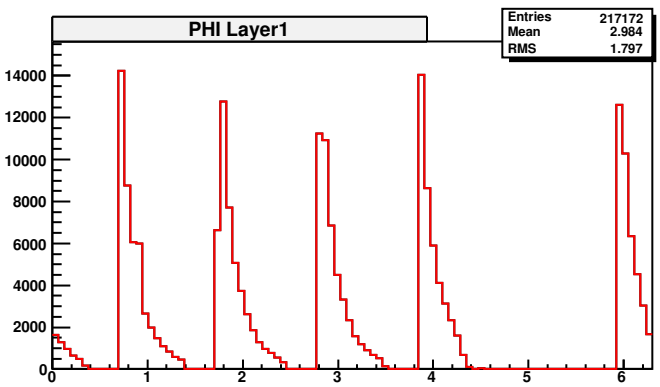


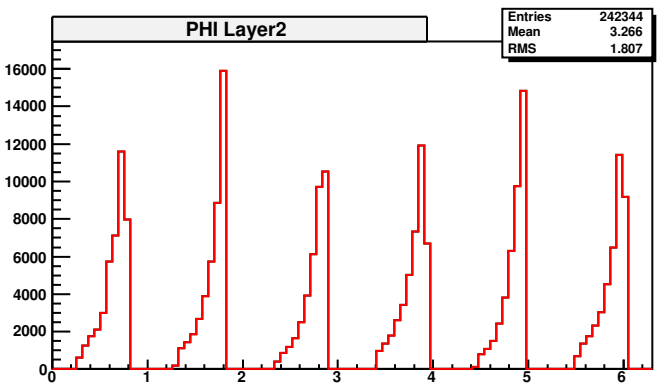


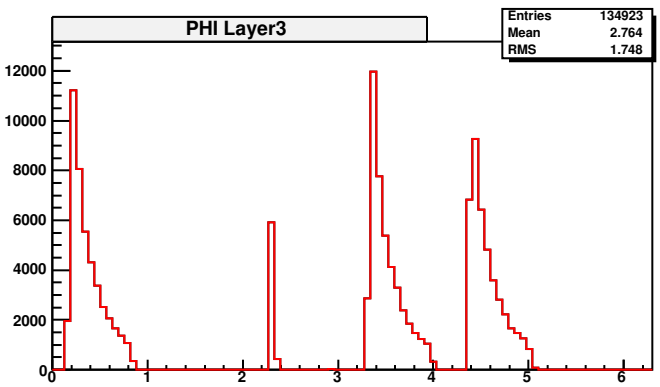


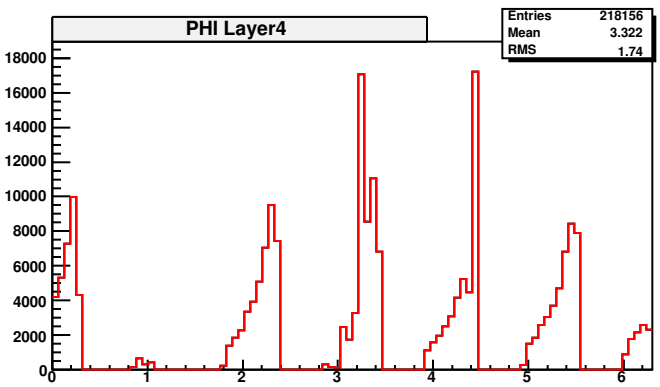


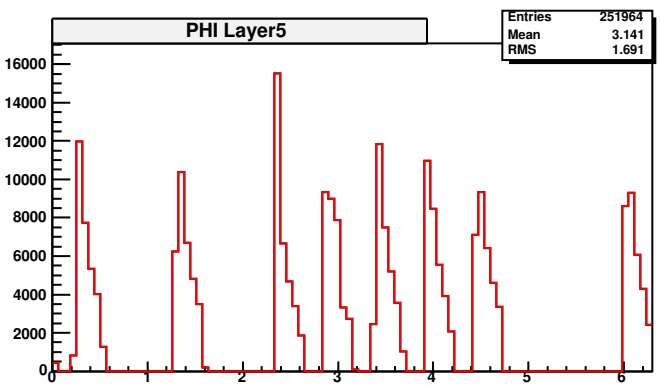
SmtClusters (ClustrBar2)

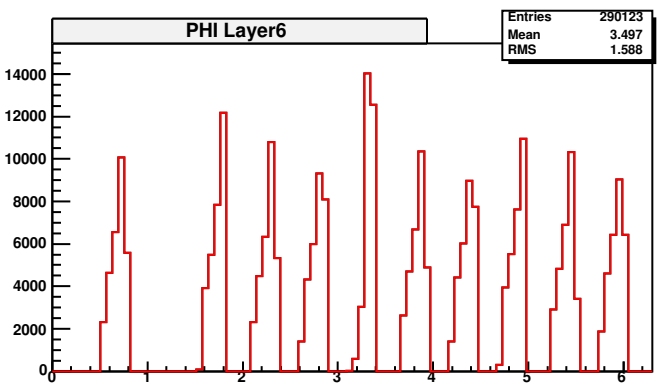


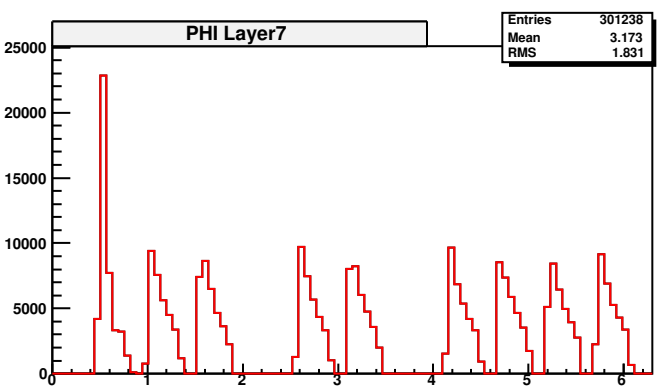


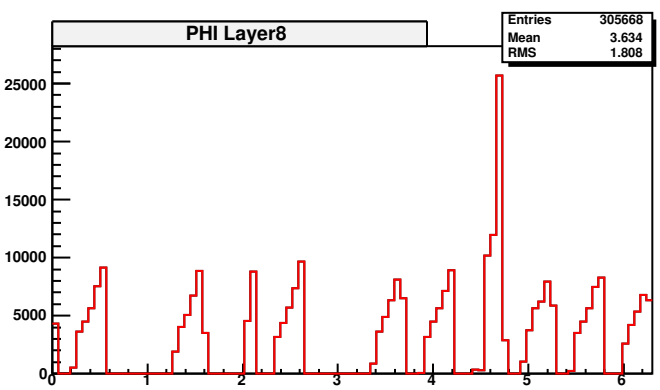




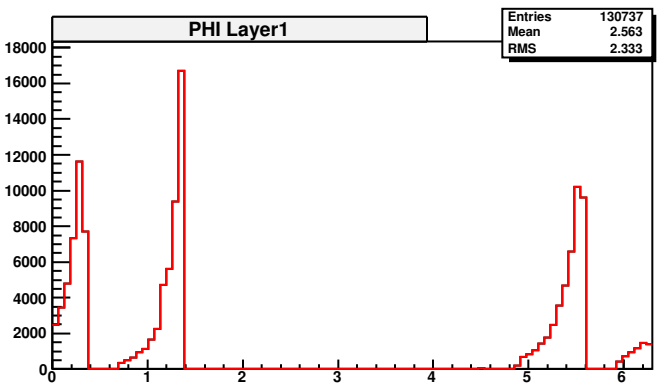


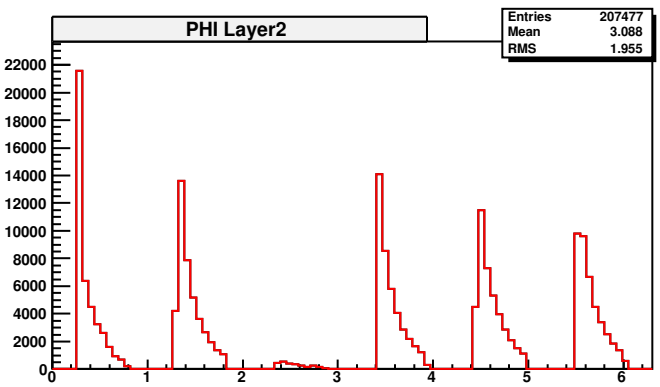


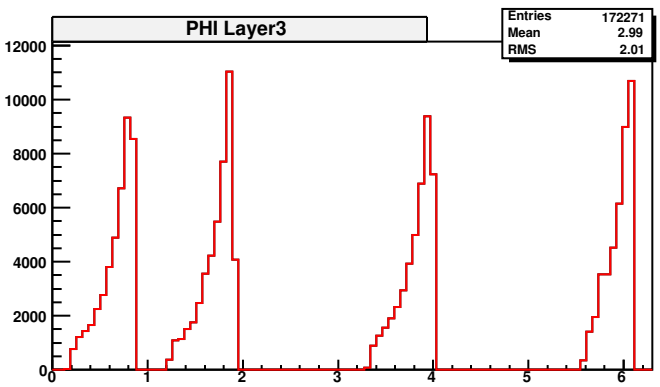


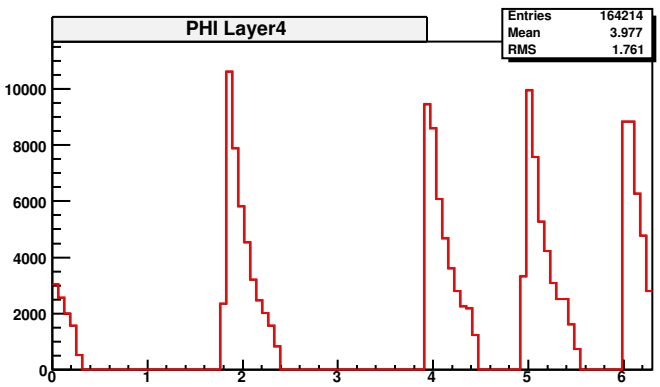


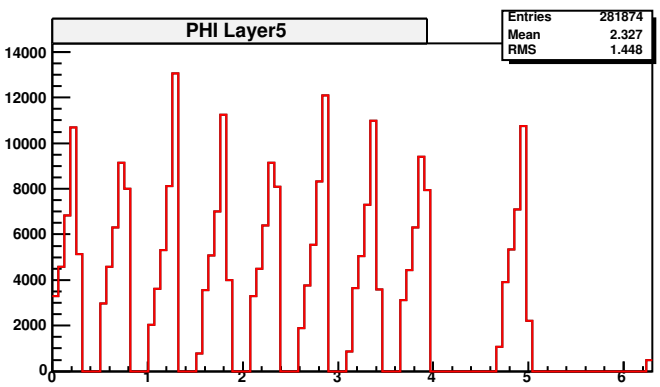
SmtClusters (ClustrBar3)

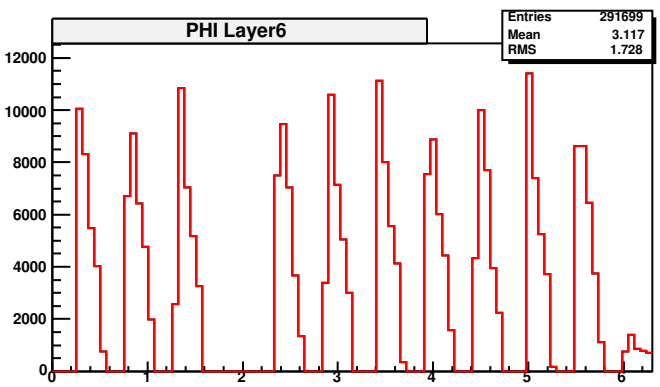


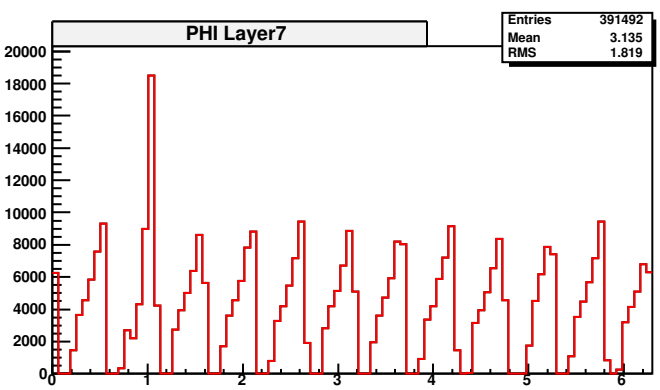


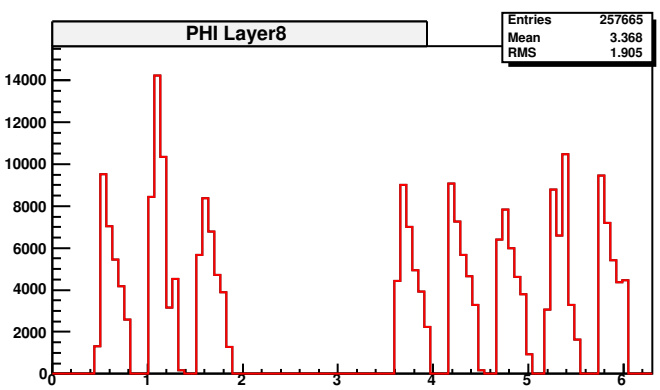




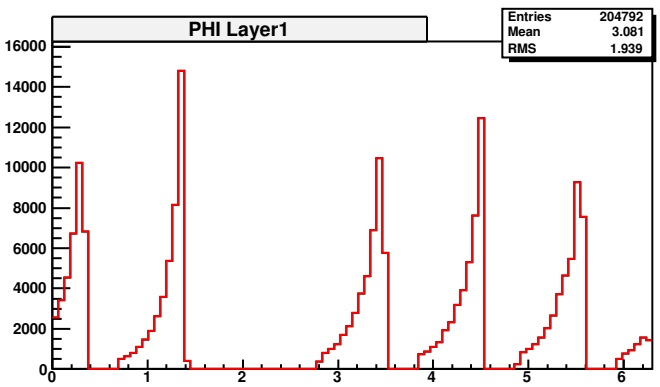


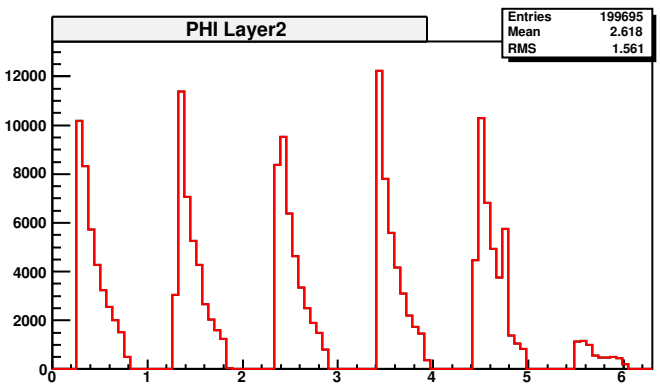


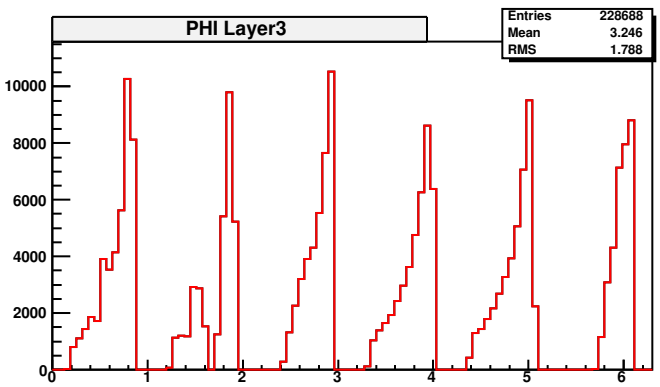


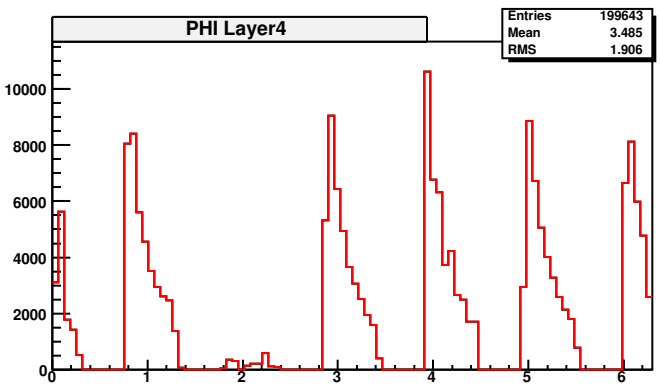


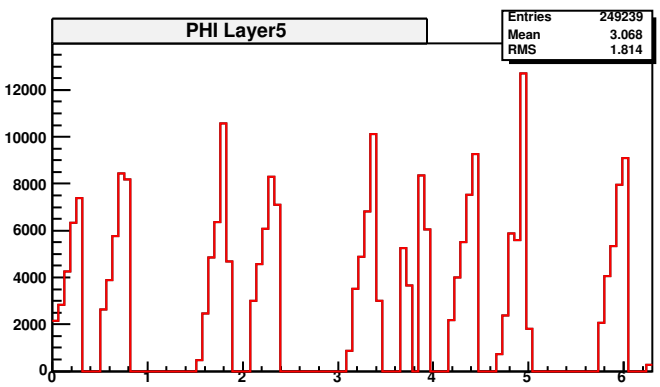
SmtClusters (ClustrBar4)

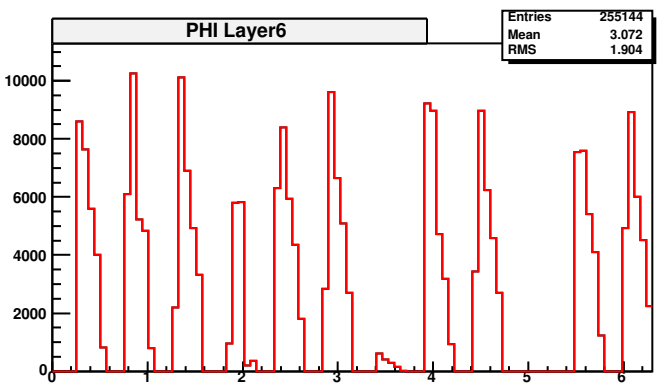


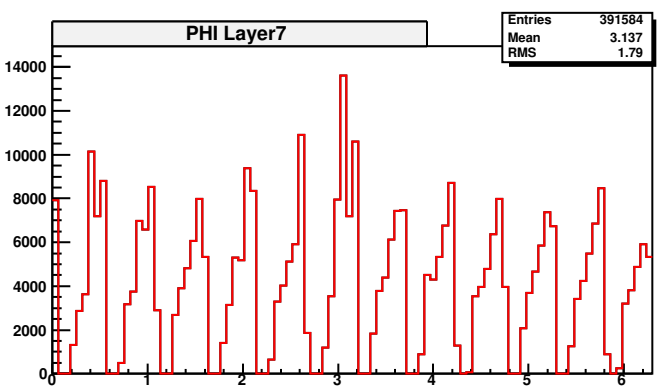


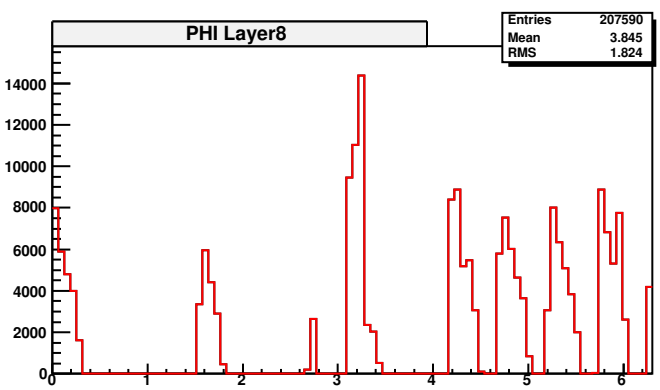




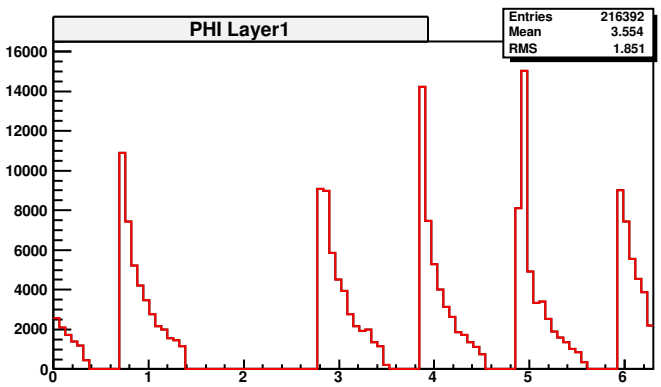


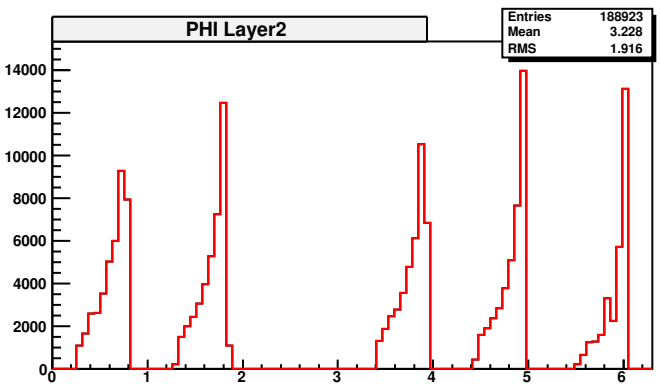


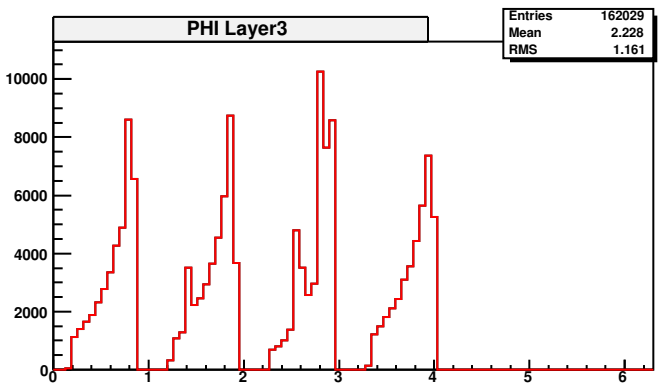


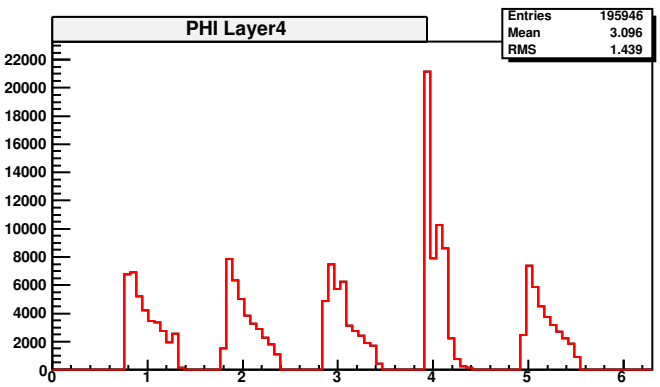


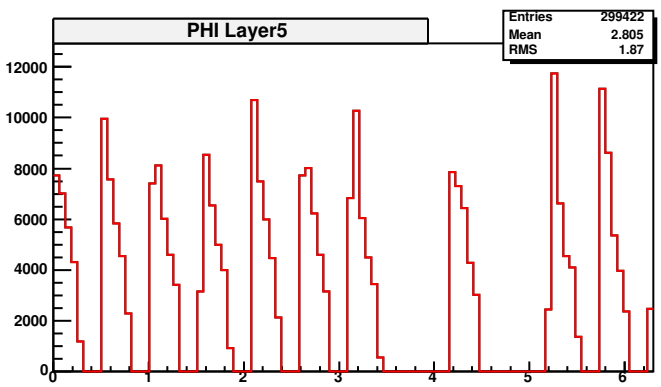
SmtClusters (ClustrBar5)

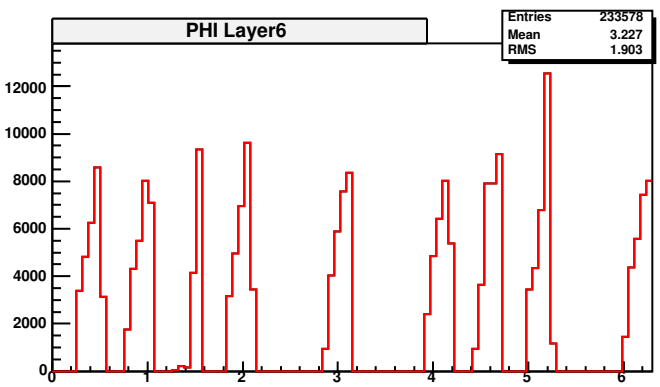


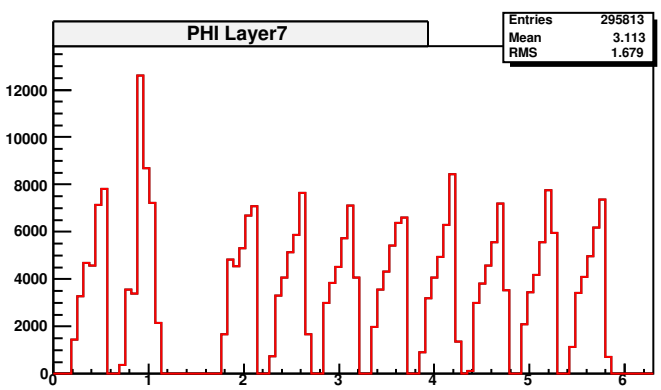


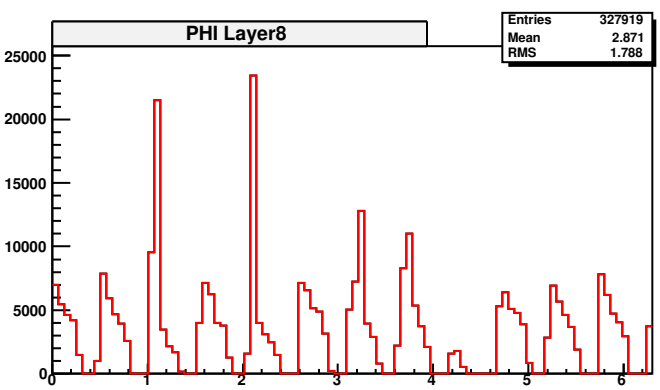




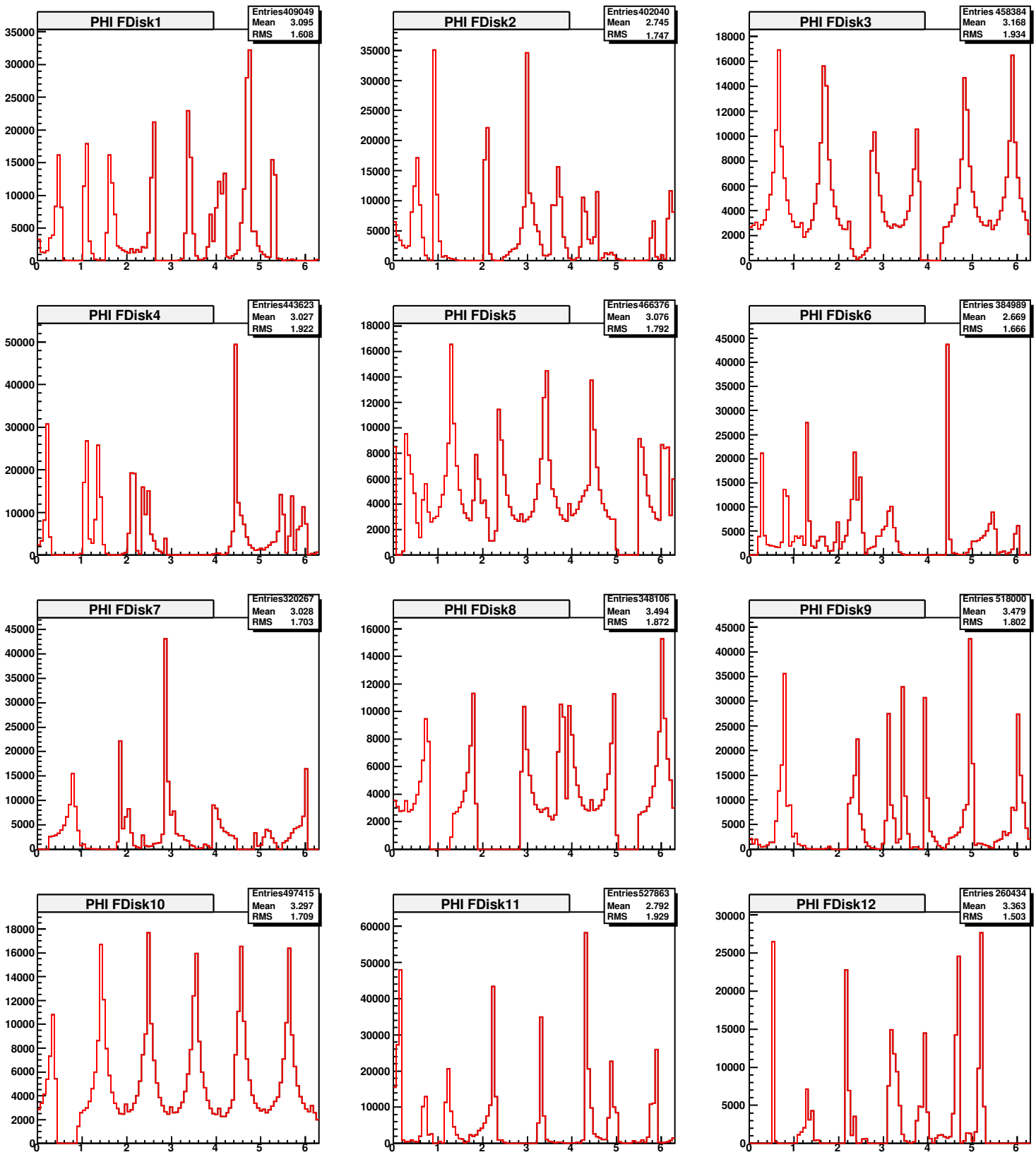




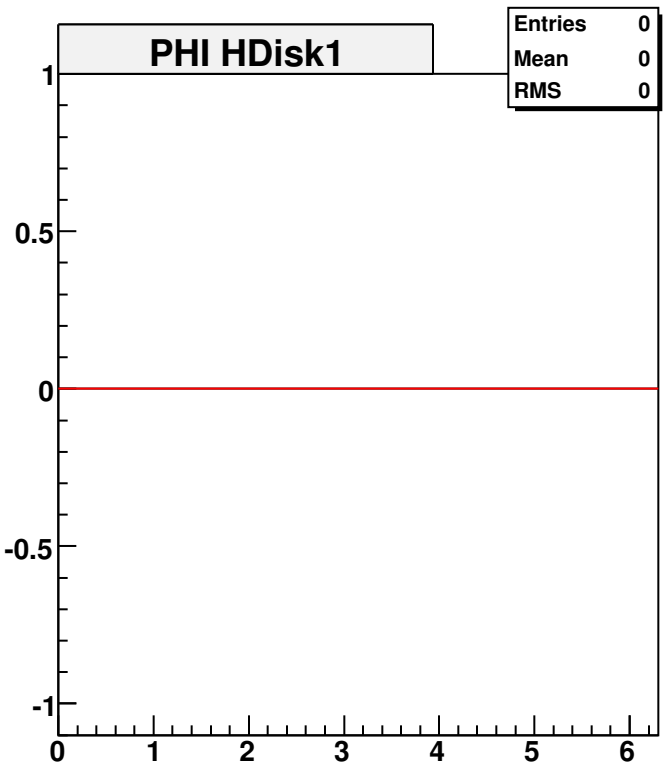


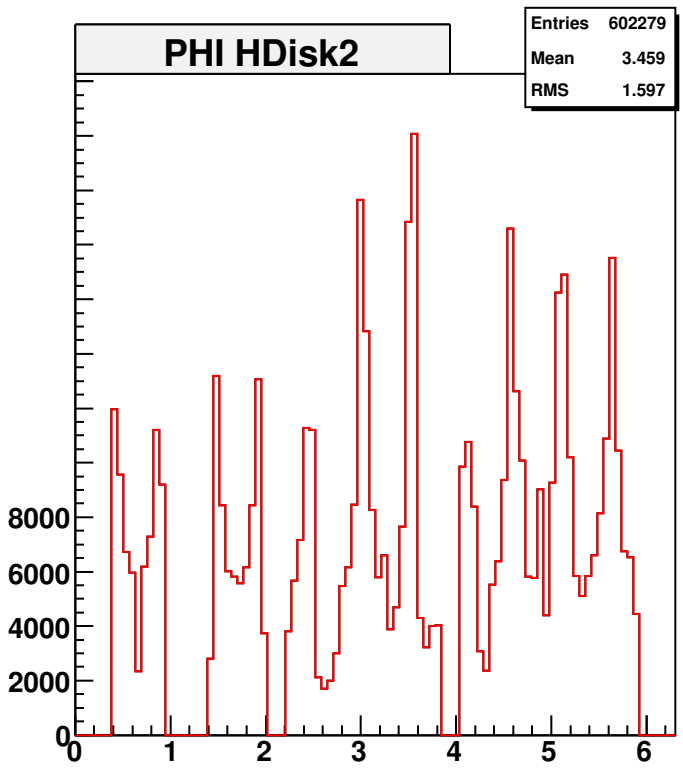


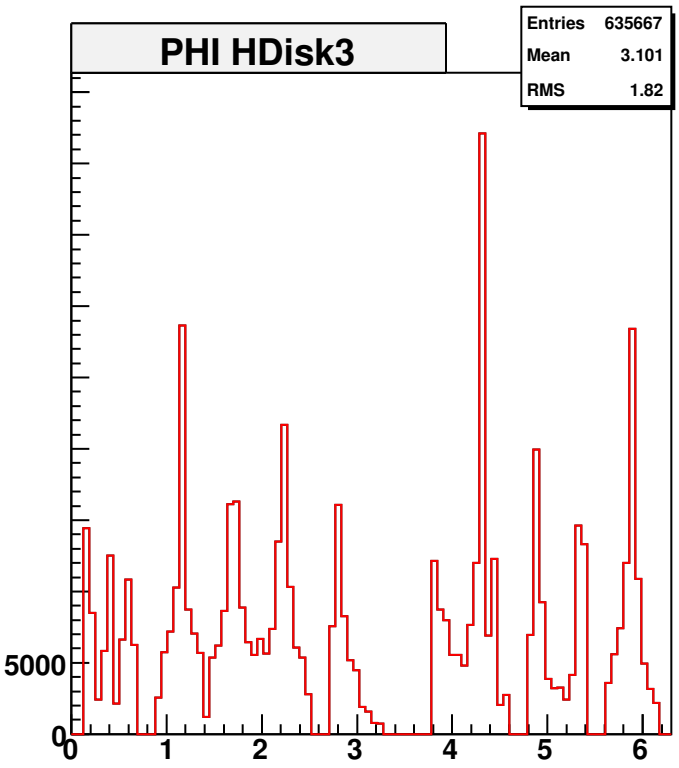
SmtClusters (ClustrBar6)

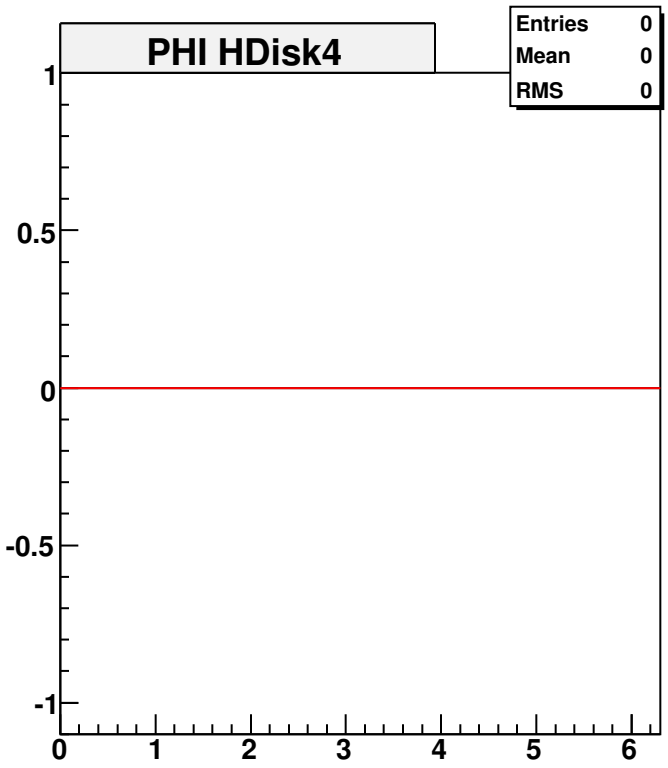


SmtClusters (FDiskClusters)

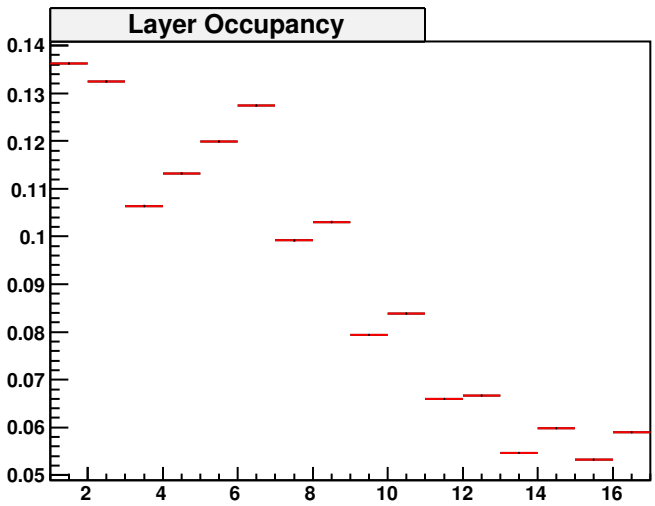


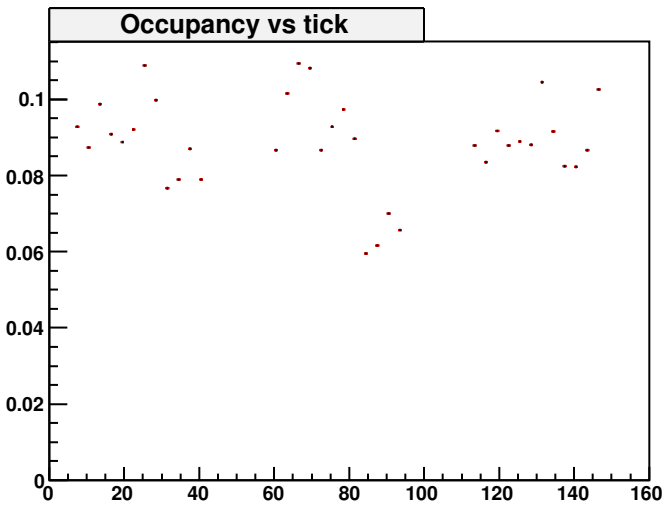


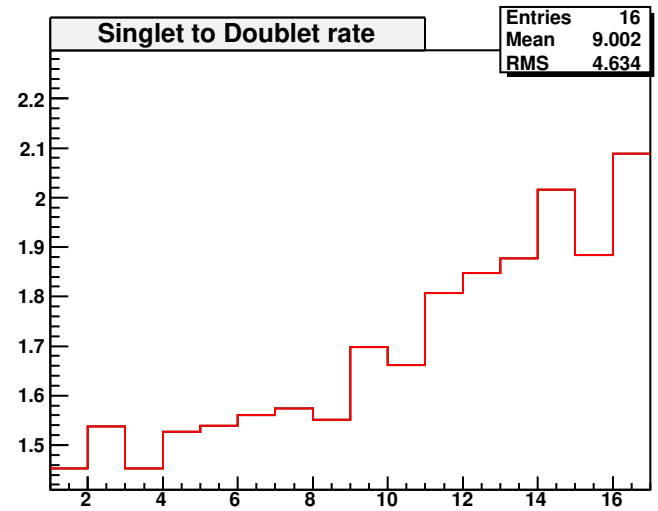


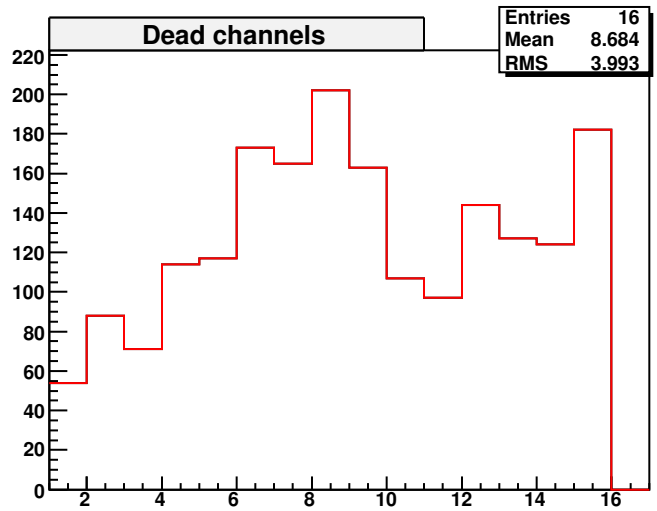


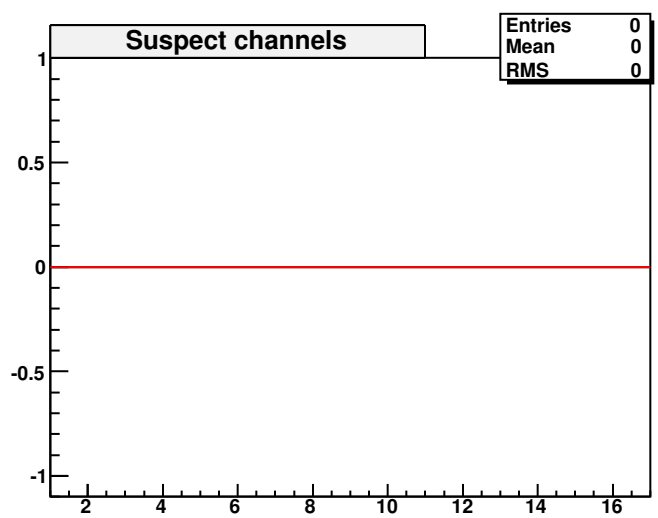
SmtClusters (HDiskClusters)

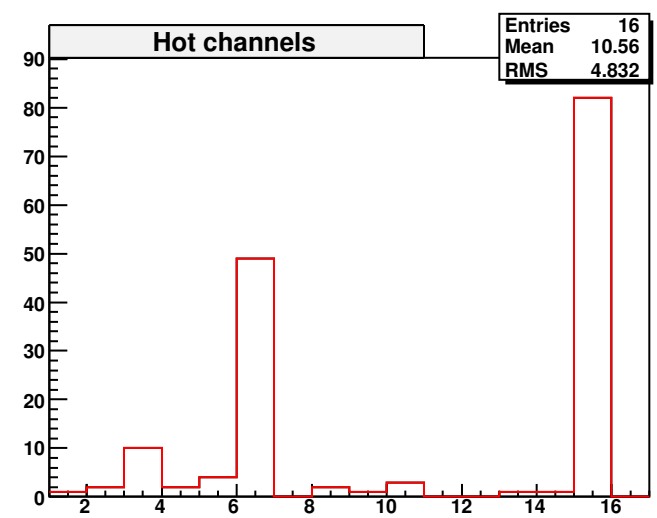




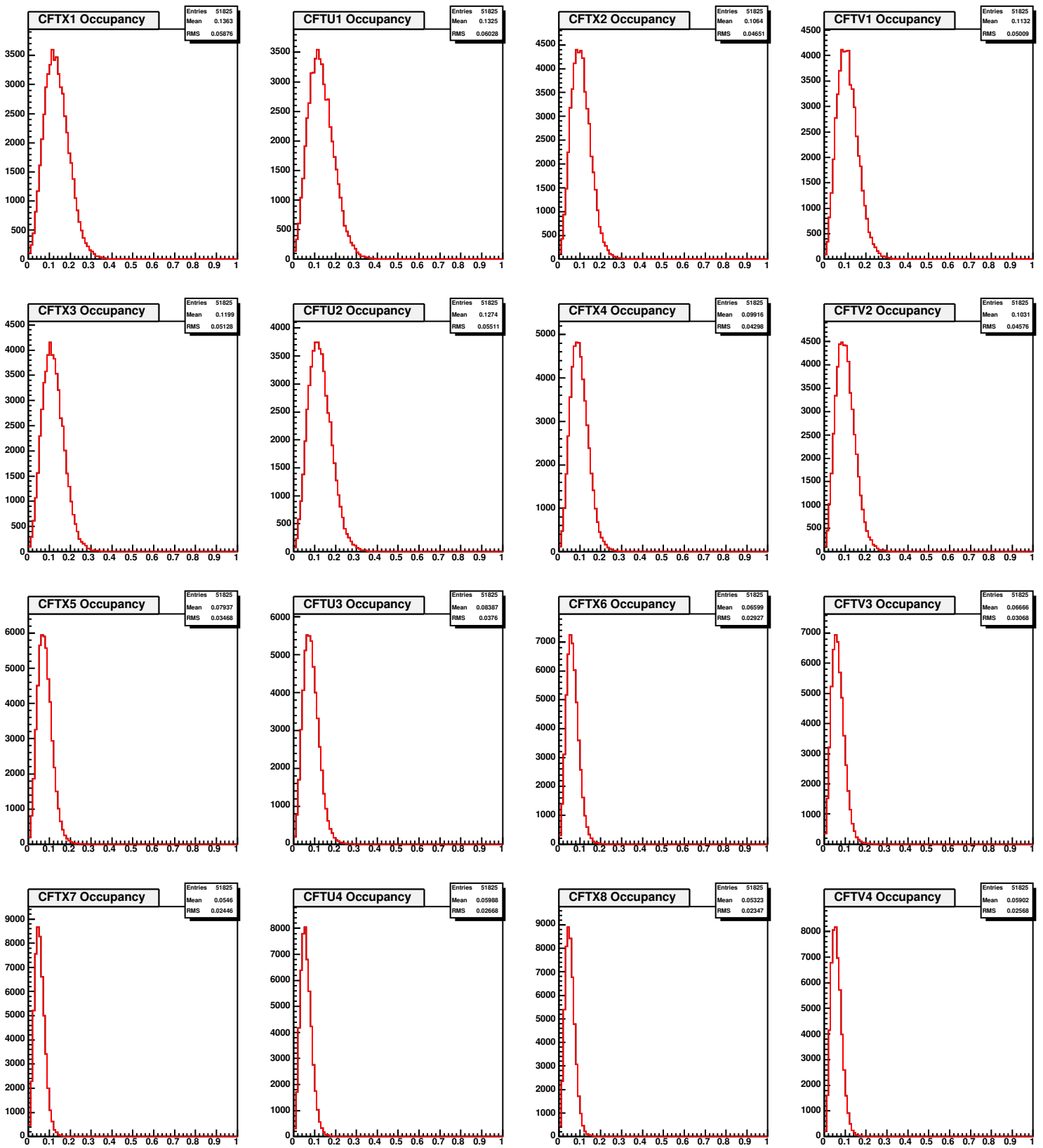




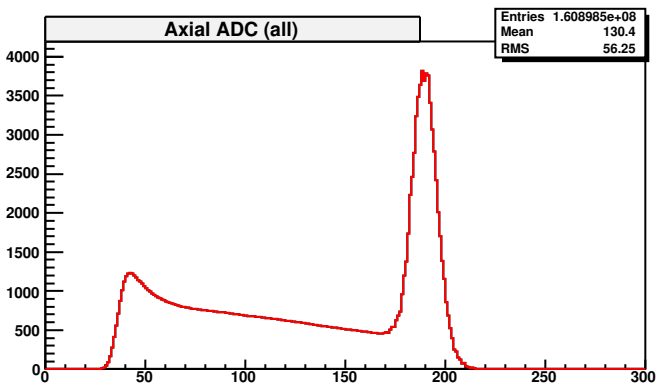


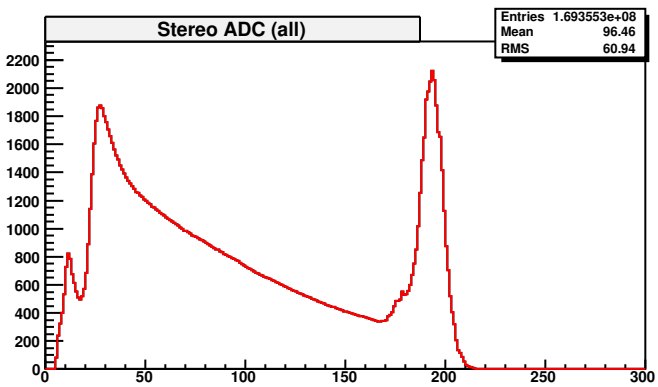


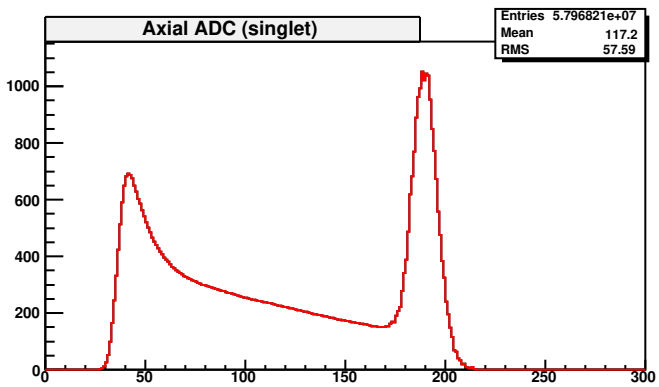
CFT Summary (All Clusters)

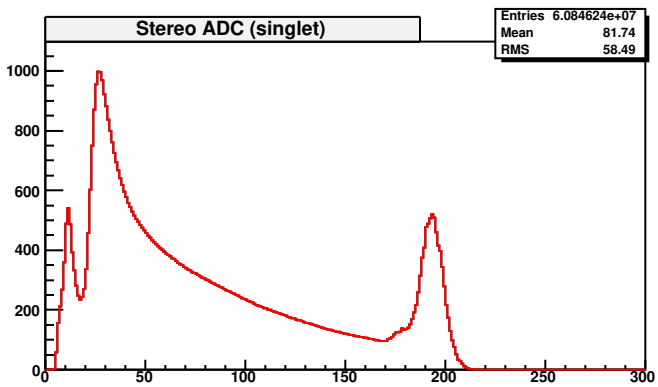


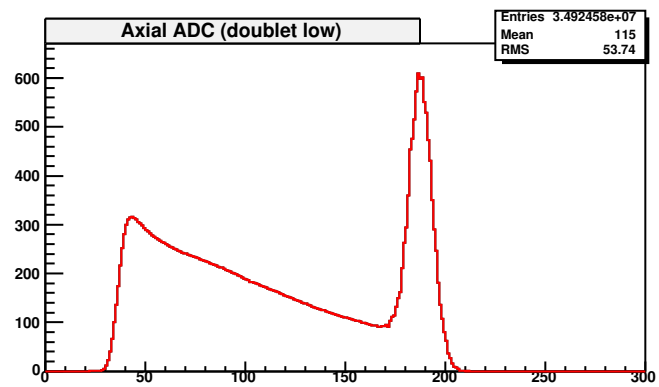
CFT Occupancy (All Clusters)

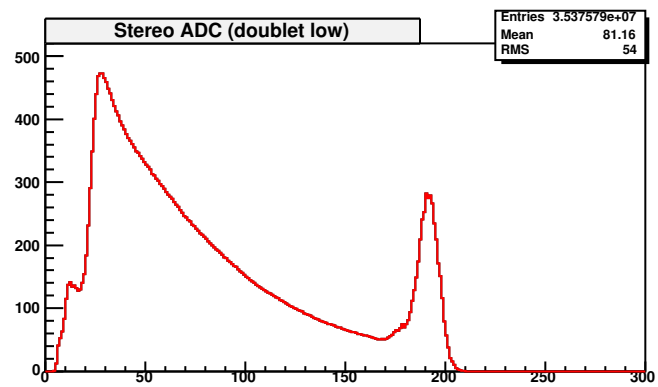


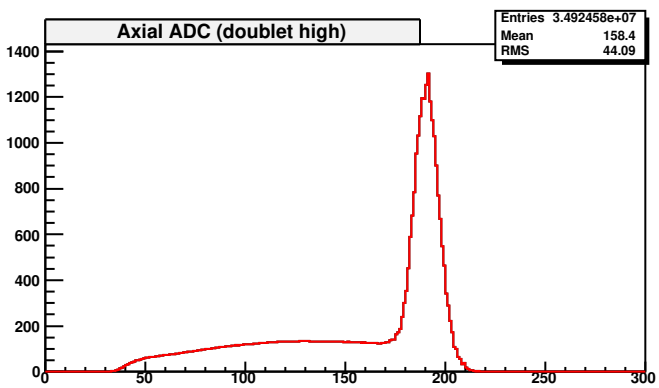


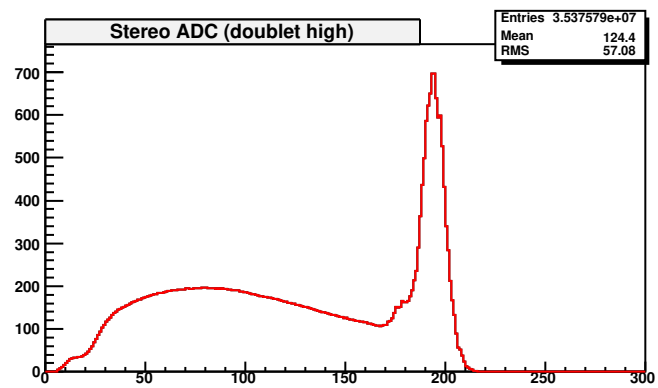




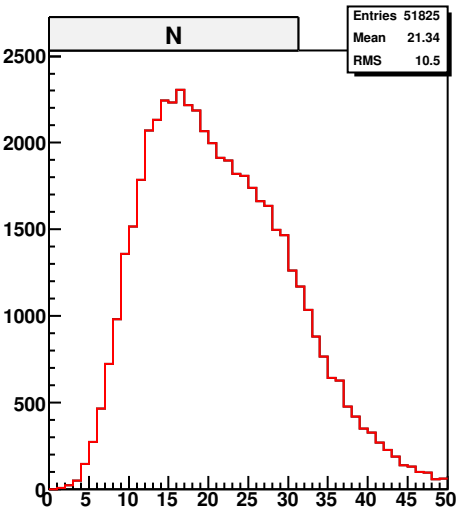


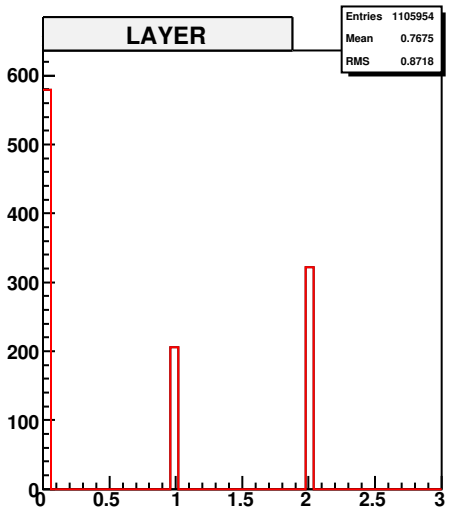


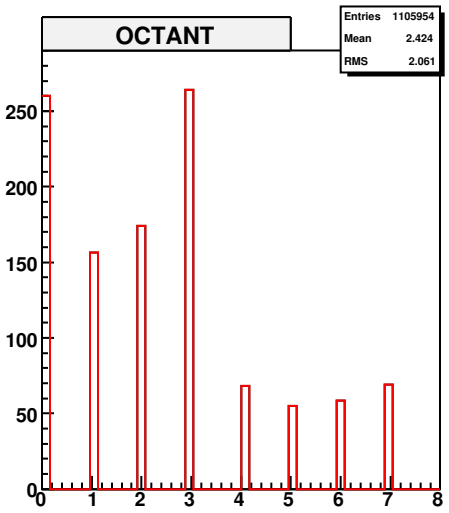


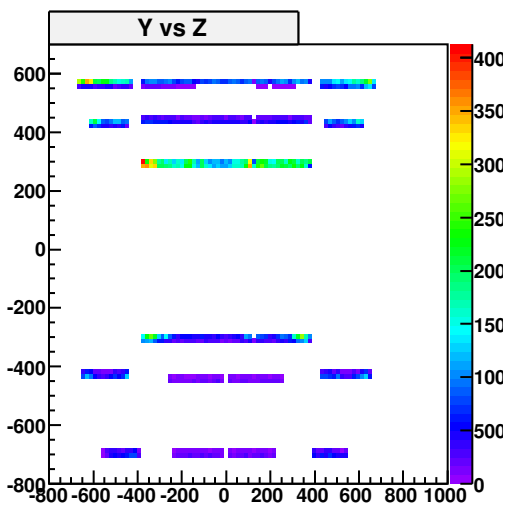


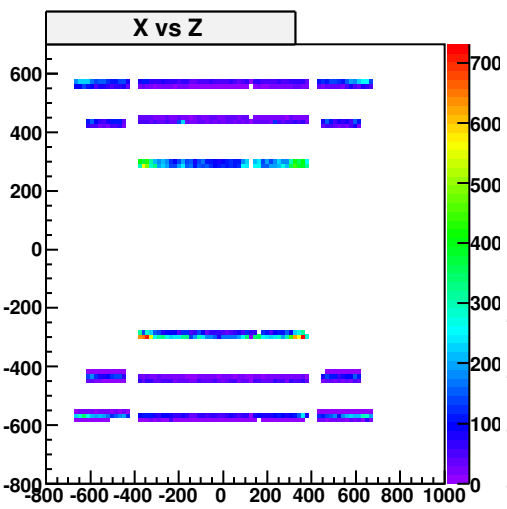
CFT ADC Summary (All Clusters)

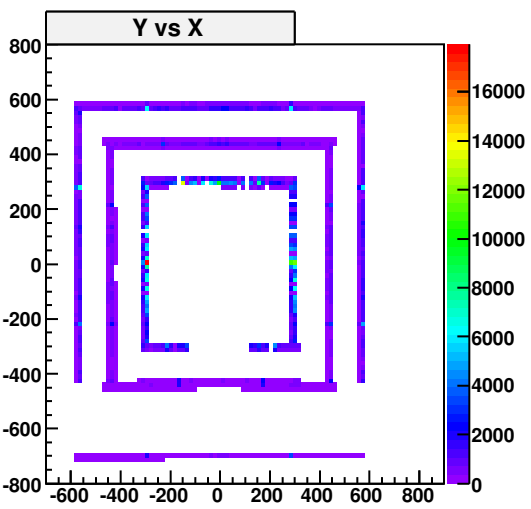

N
Entries 51825
Mean 21.34
RMS 10.5

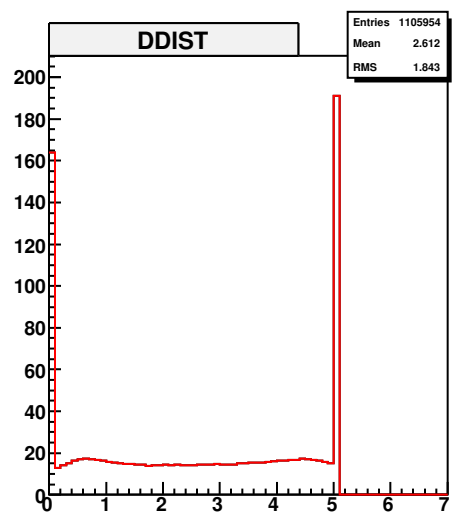

LAYER
Entries 1105954
Mean 0.7675
RMS 0.8718

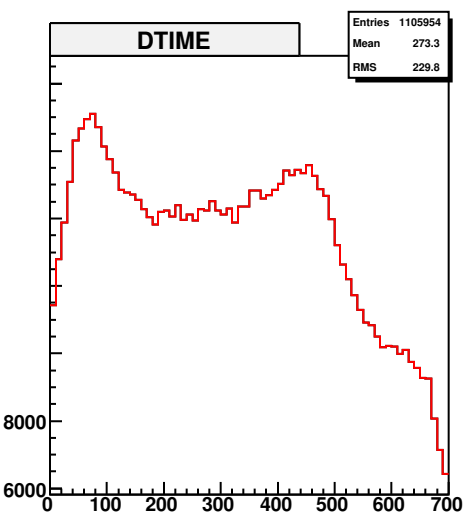

OCTANT
Entries 1105954
Mean 2.424
RMS 2.061


Y vs Z

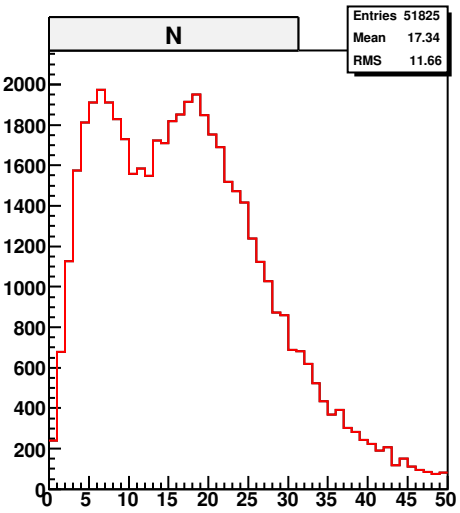

X vs Z

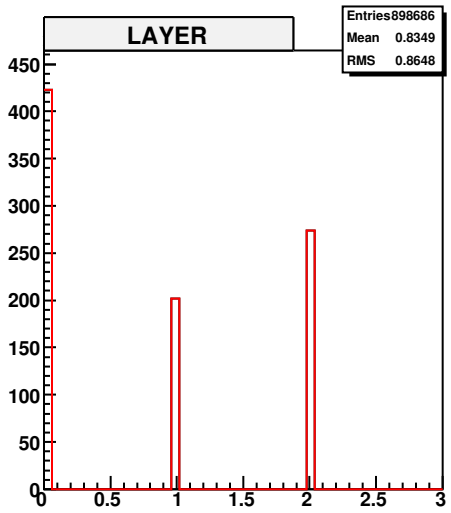

Y vs X

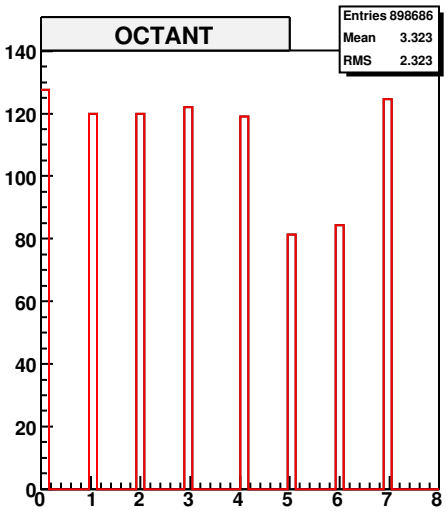

DDIST
Entries 1105954
Mean 2.612
RMS 1.843

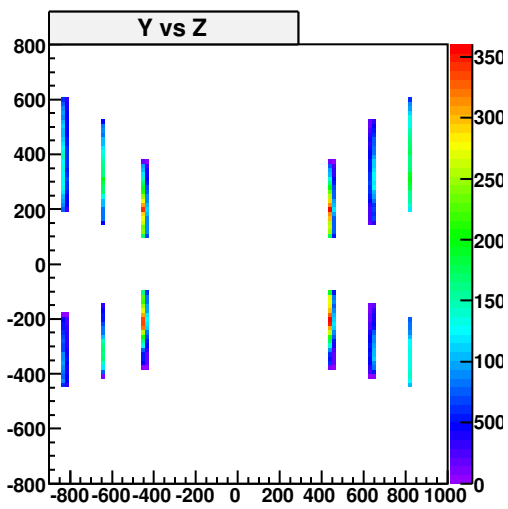

DTIME
Entries 1105954
Mean 273.3
RMS 229.8

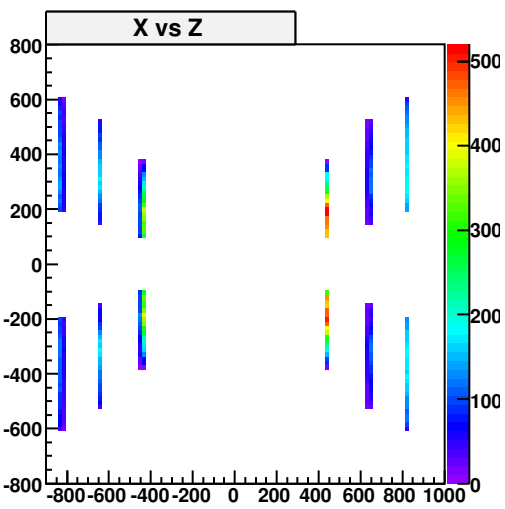
MuonPDT (All)

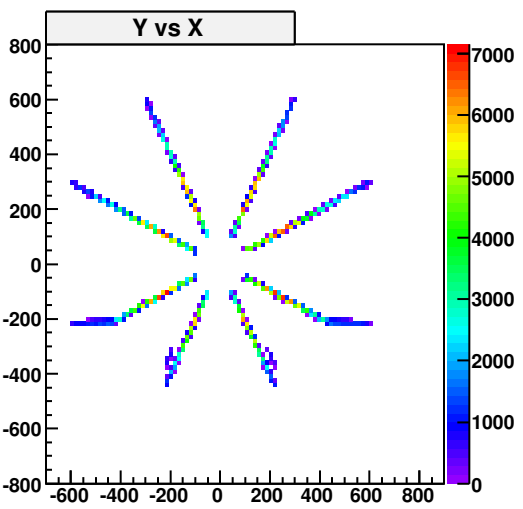

N
Entries 51825
Mean 17.34
RMS 11.66

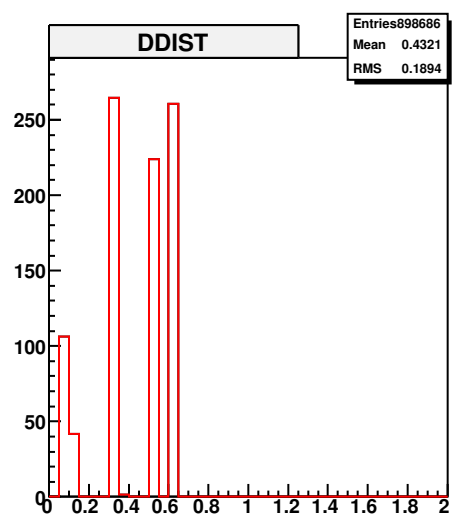

LAYER
Entries 898686
Mean 0.8349
RMS 0.8648

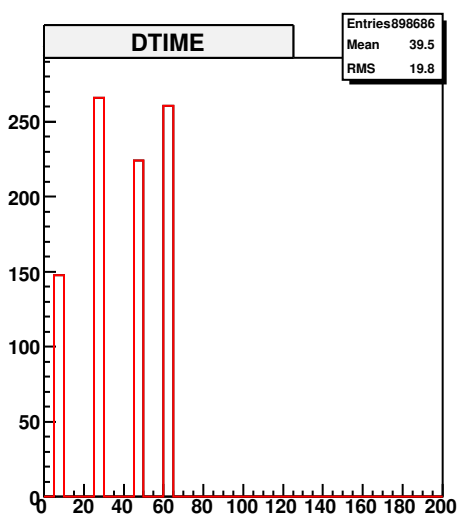

OCTANT
Entries 898686
Mean 3.323
RMS 2.323


Y vs Z

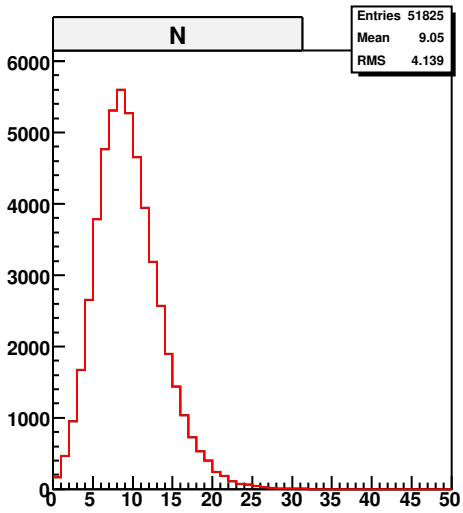

X vs Z

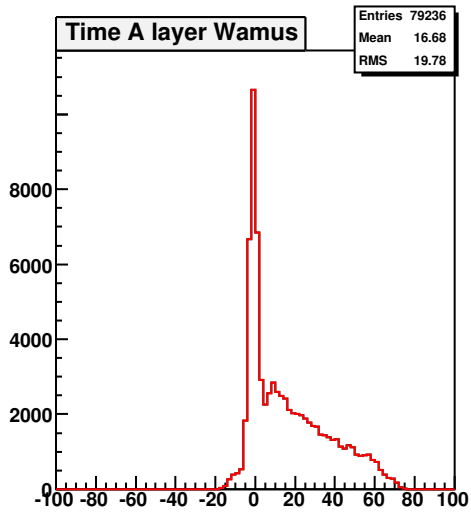

Y vs X

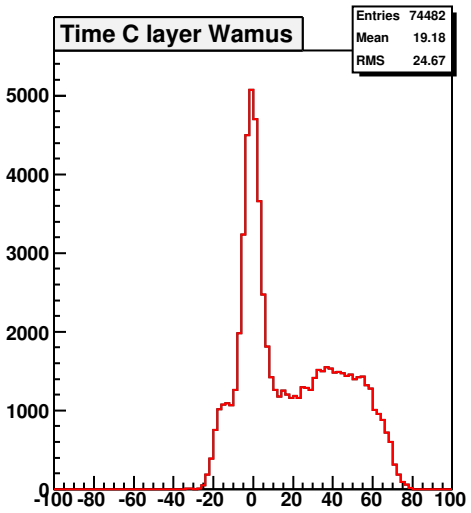

DDIST
Entries 898686
Mean 0.4321
RMS 0.1894

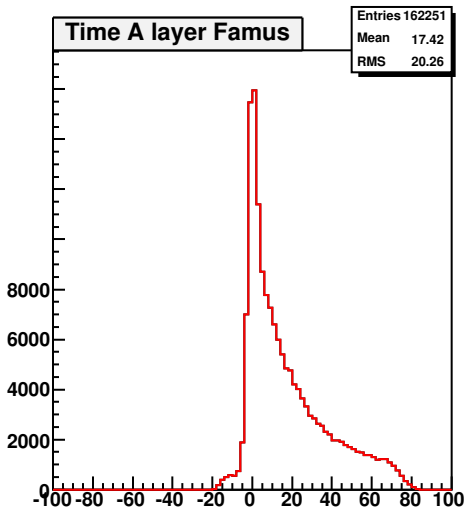

DTIME
Entries 898686
Mean 39.5
RMS 19.8

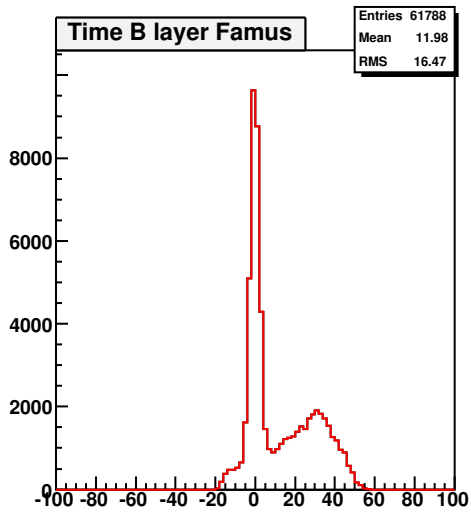
MuonMDT (All)

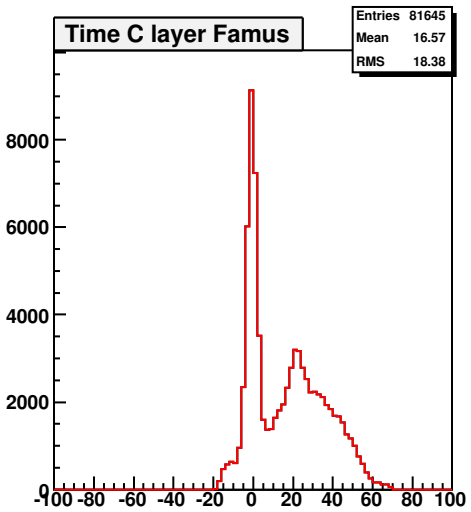

N
Entries 51825
Mean 9.05
RMS 4.139

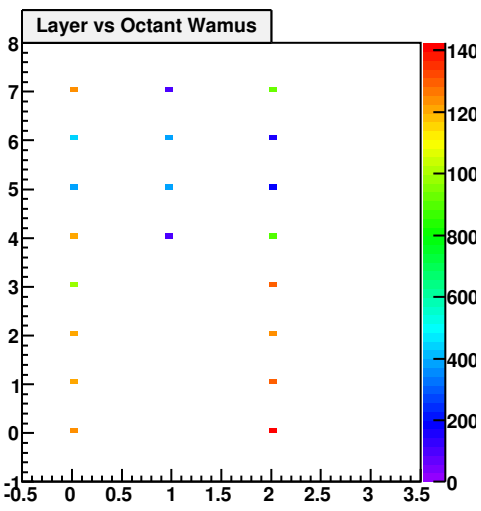

Time A layer Wamus
Entries 79236
Mean 16.68
RMS 19.78

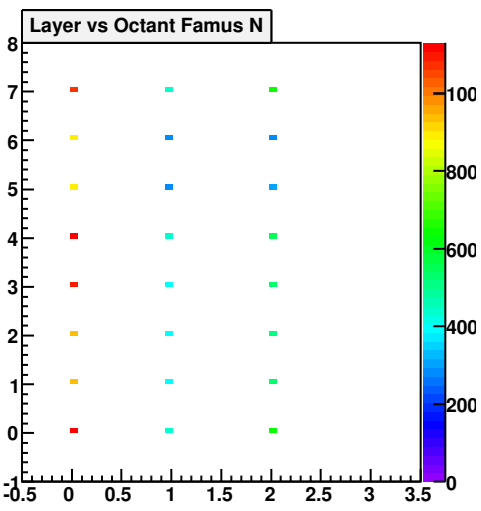

Time C layer Wamus
Entries 74482
Mean 19.18
RMS 24.67


Time A layer Famus
Entries 162251
Mean 17.42
RMS 20.26


Time B layer Famus
Entries 61788
Mean 11.98
RMS 16.47


Time C layer Famus
Entries 81645
Mean 16.57
RMS 18.38


Layer vs Octant Wamus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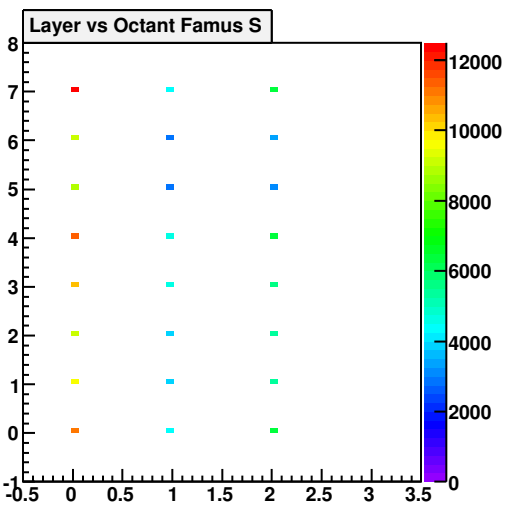
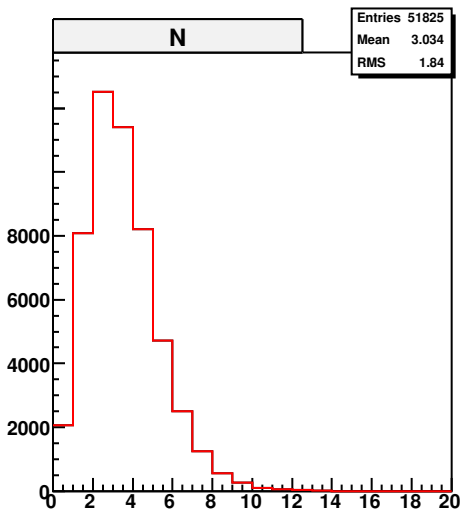
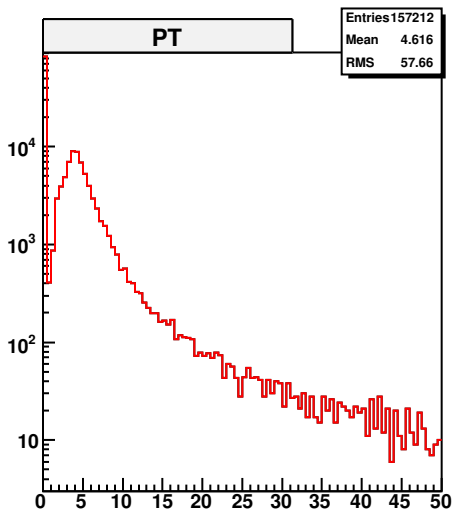
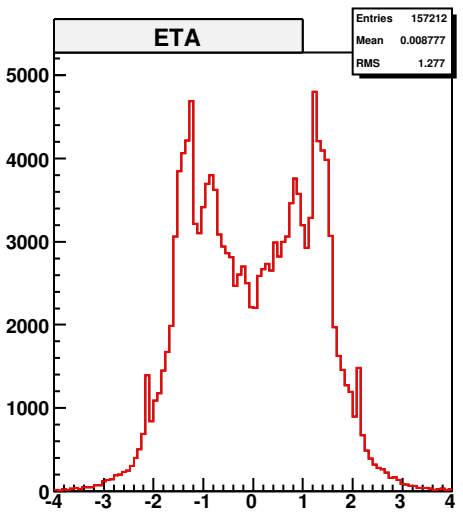
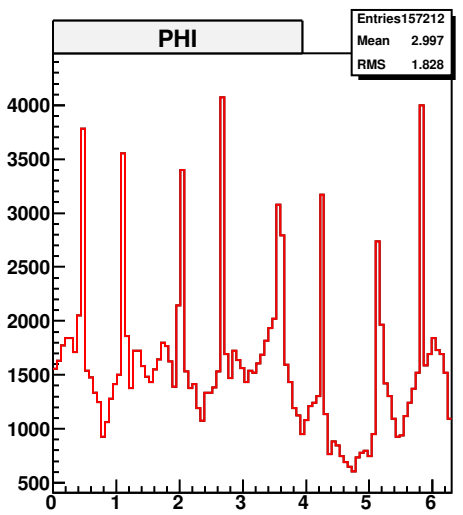

Layer vs Octant Famus S

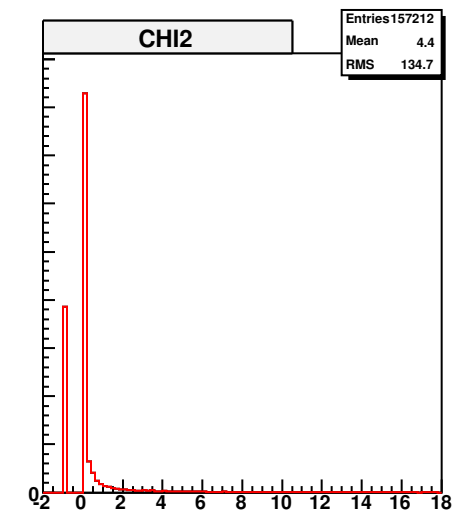
MuonMSC (All)

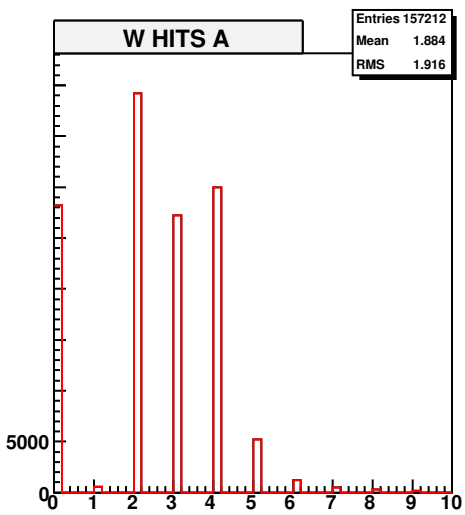


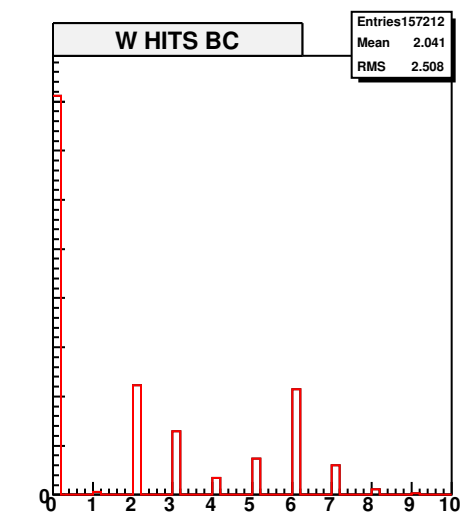


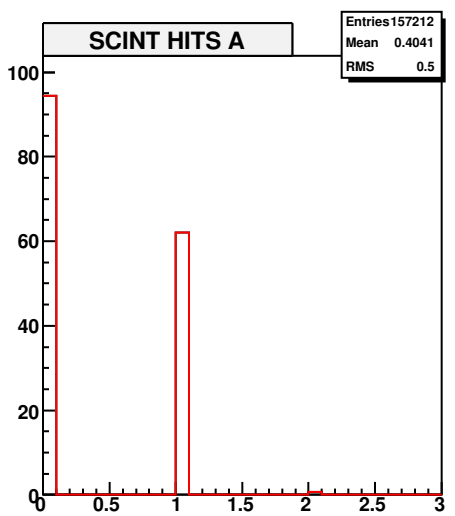


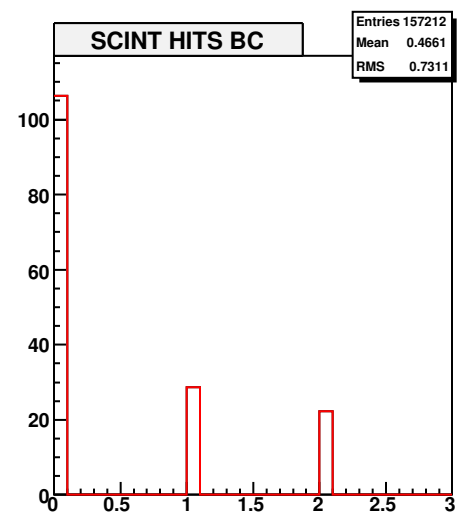




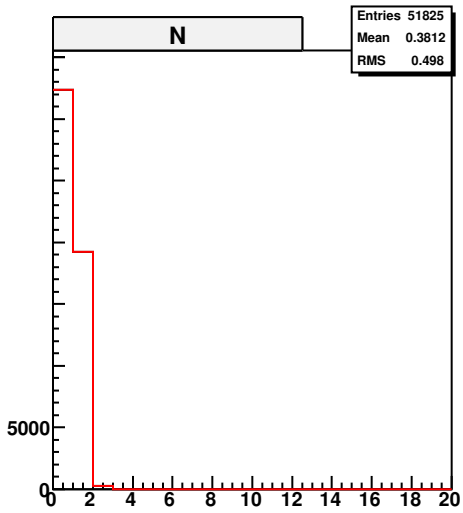


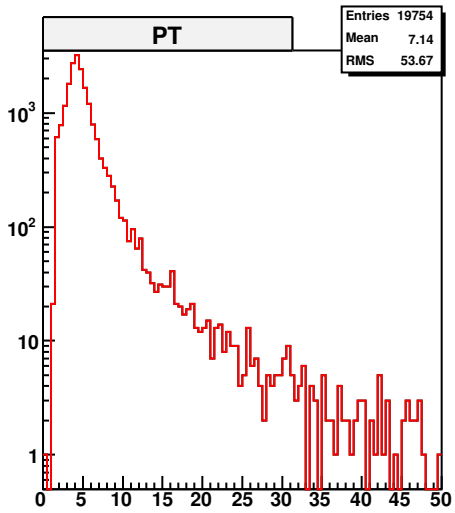


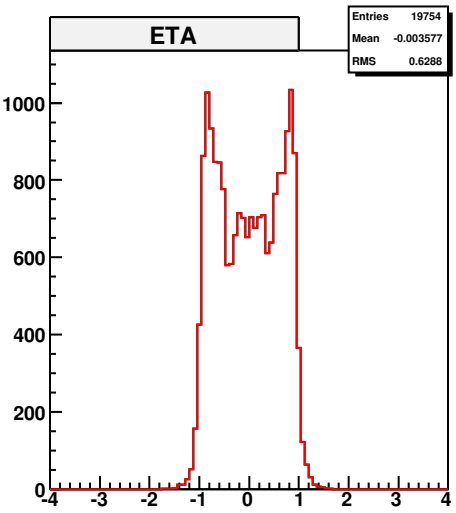


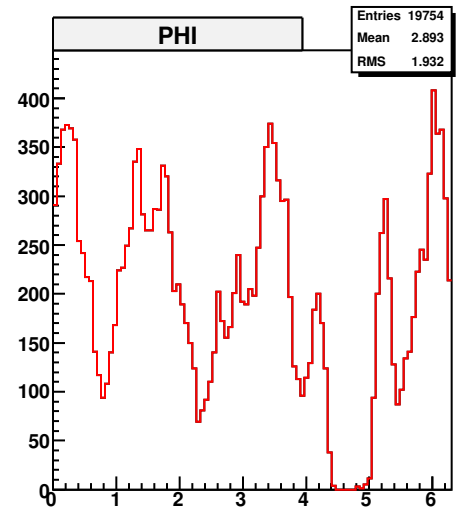


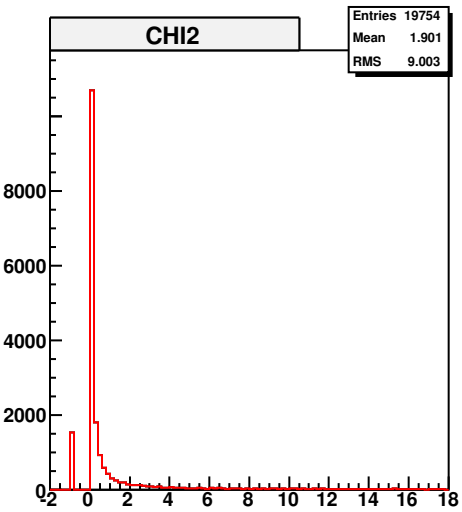
Muon Local Tracks (All)

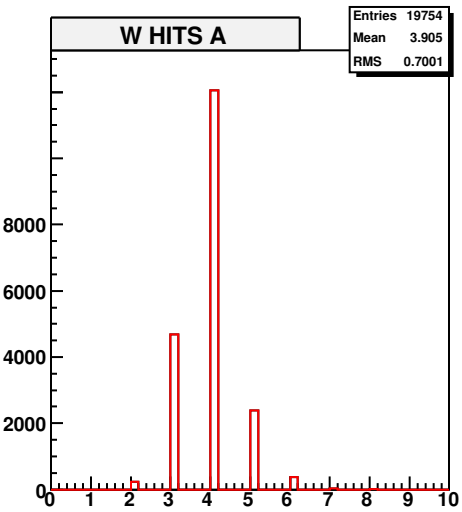


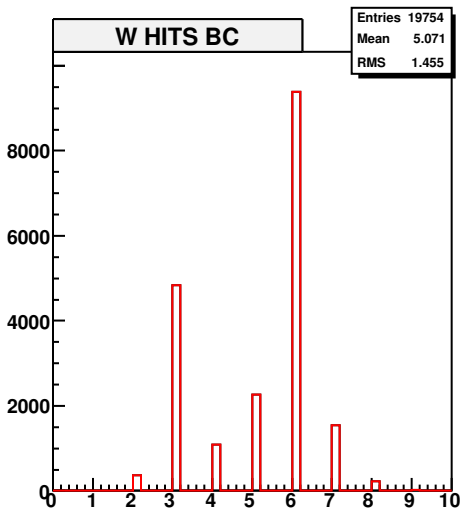


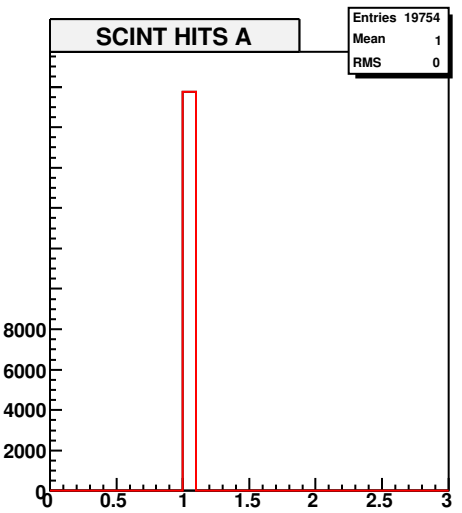


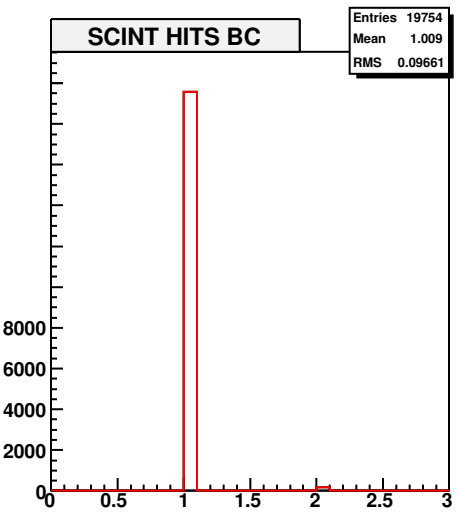




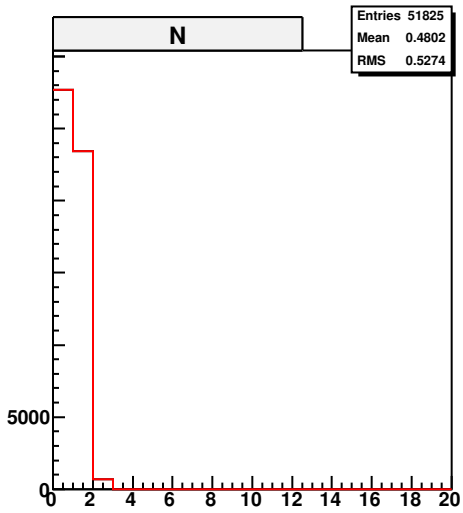


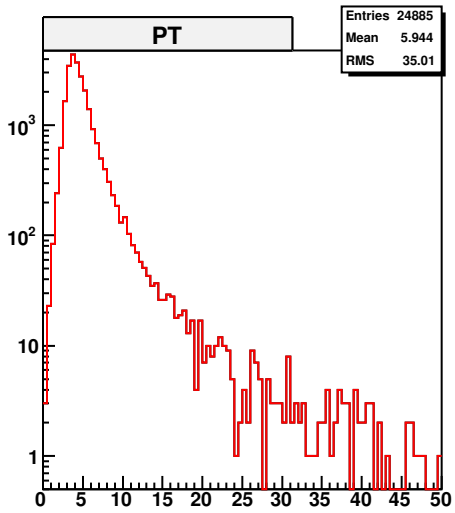


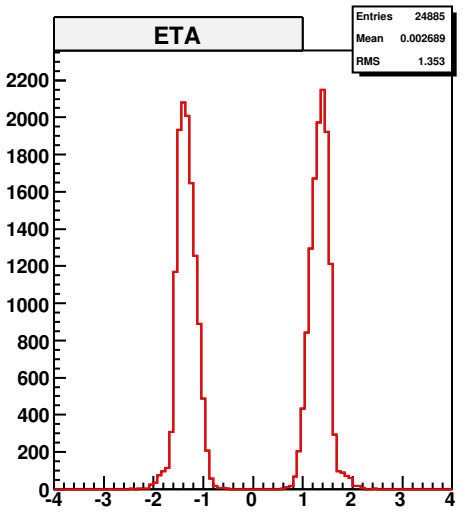


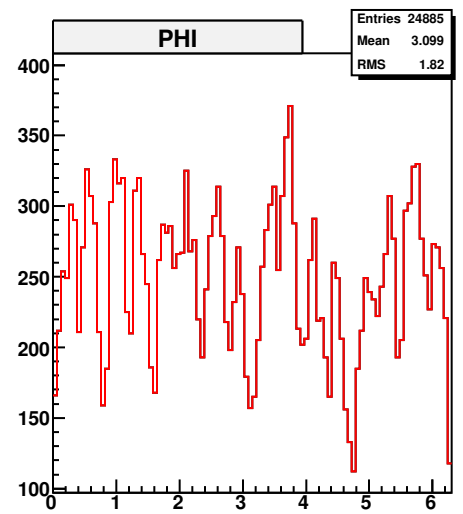


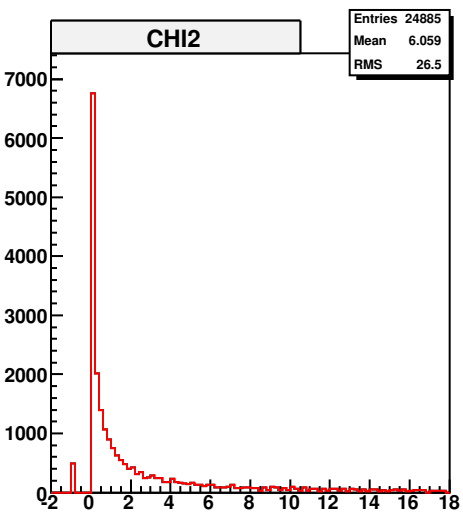
Muon Local Tracks (MediumWamus)

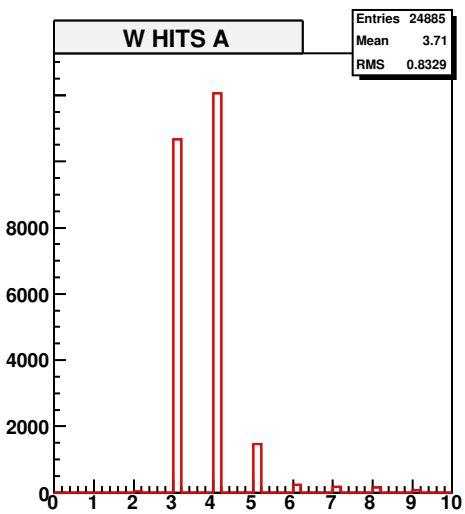


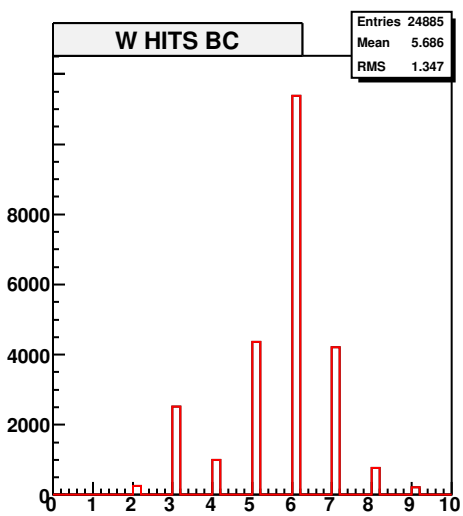


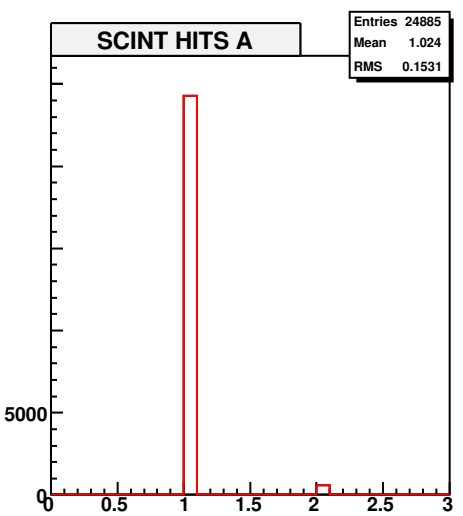


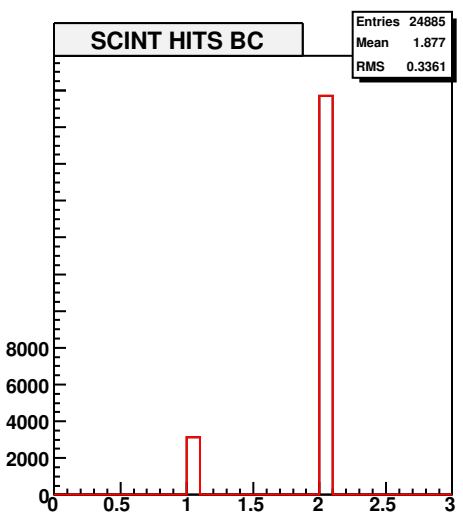












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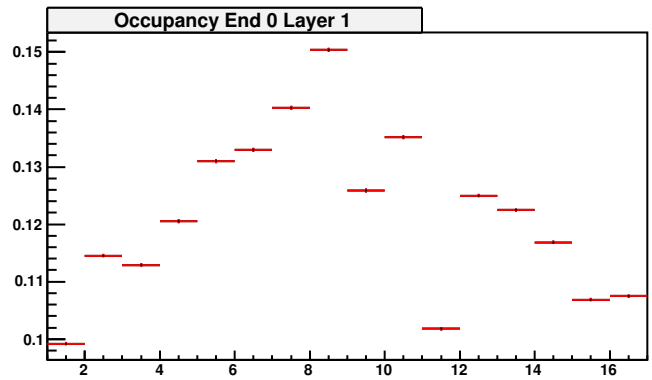
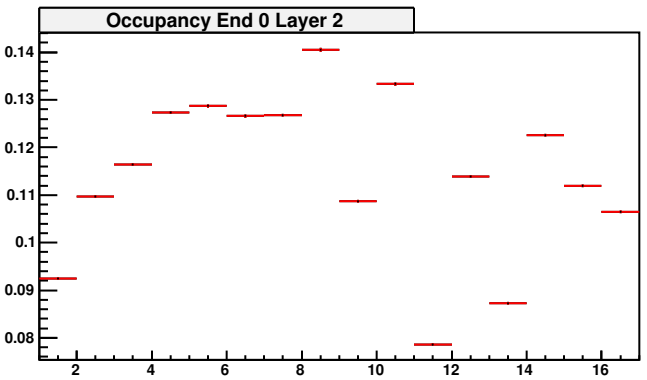
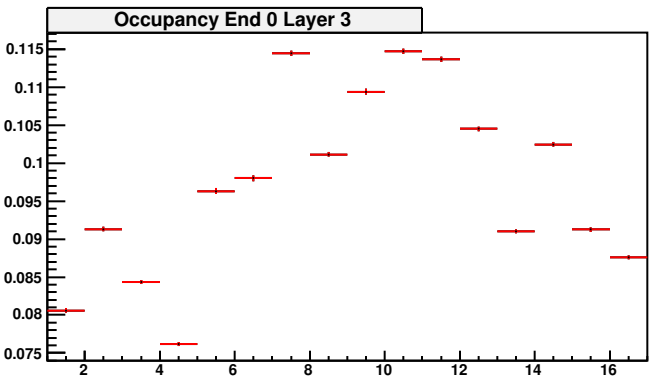
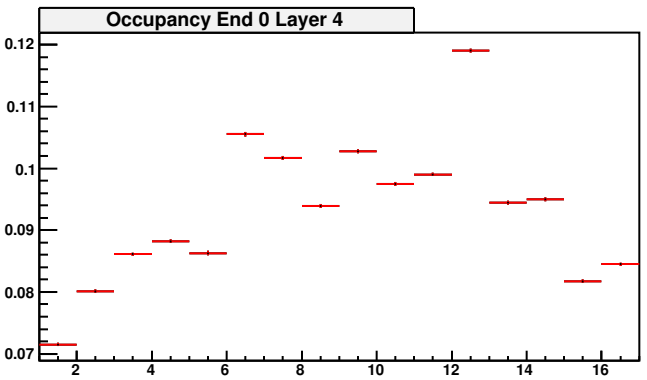
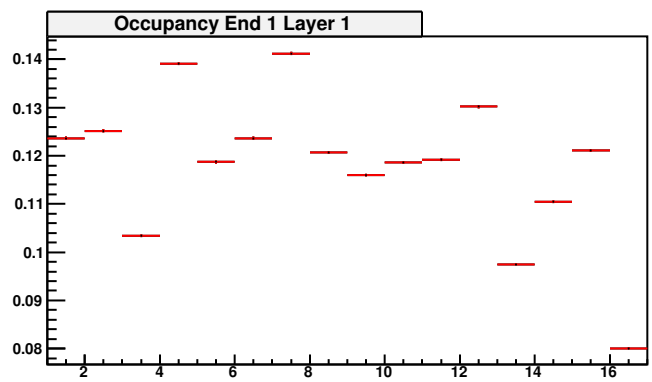
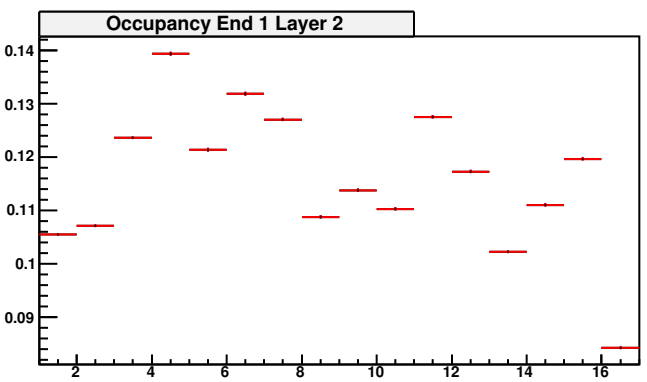


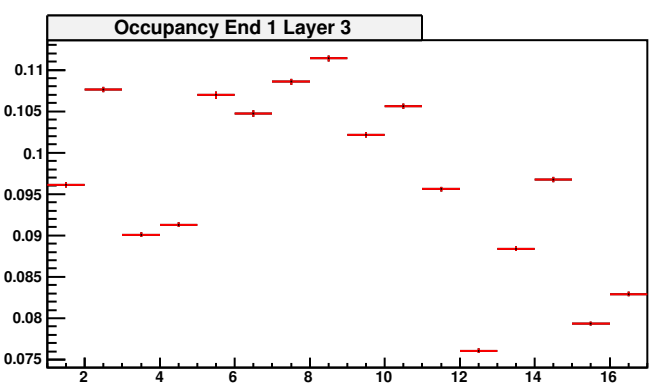


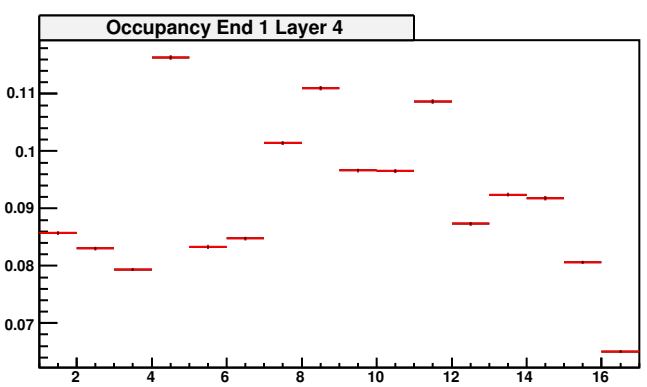




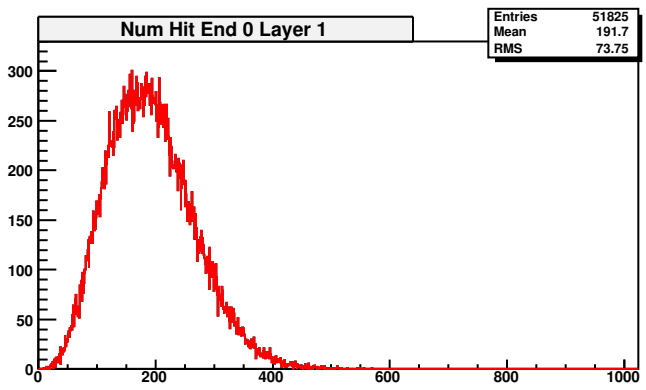


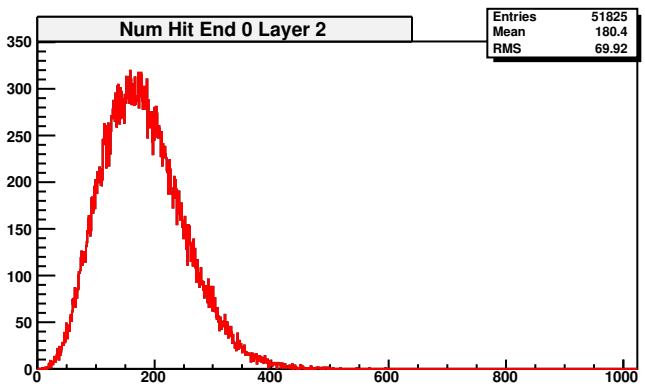


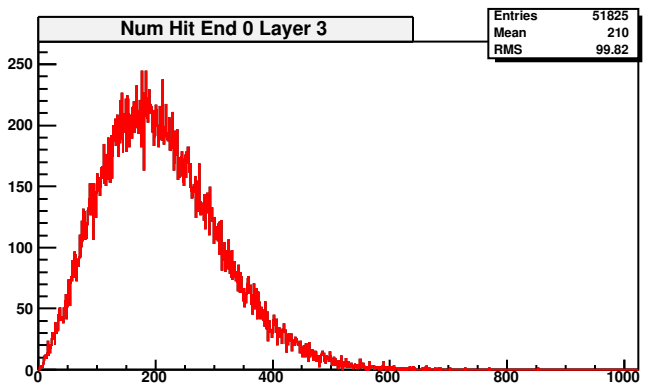


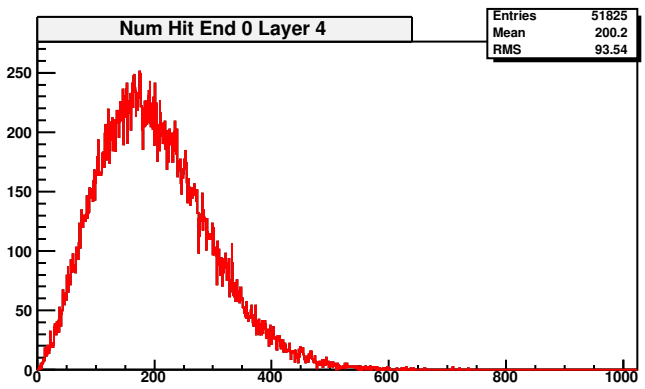


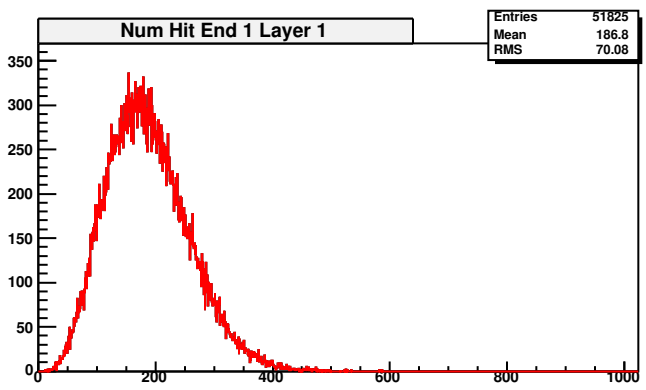
FPS Hit Occupancy (All)

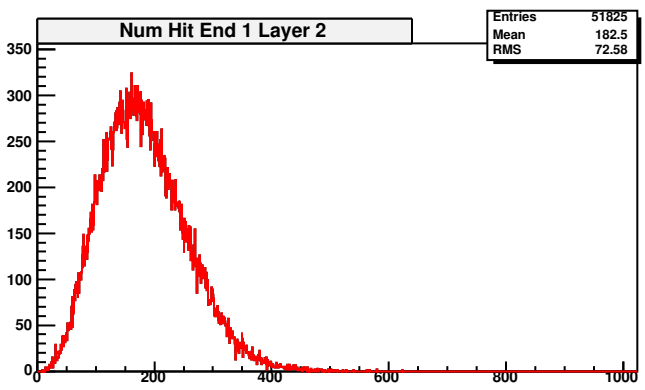


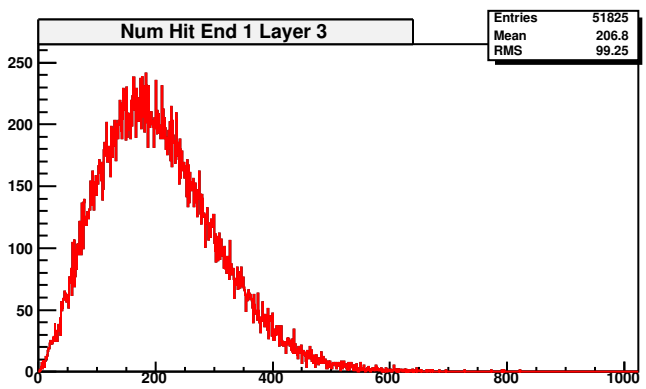


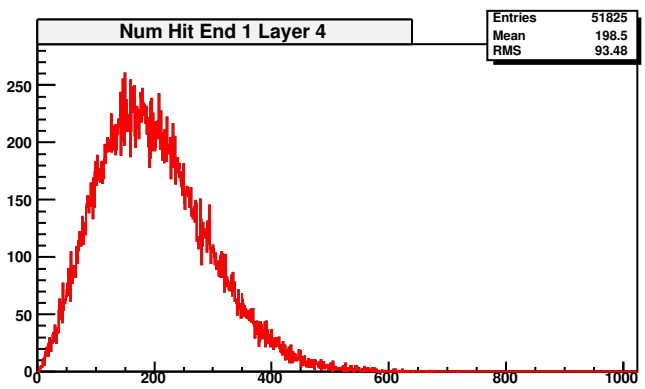




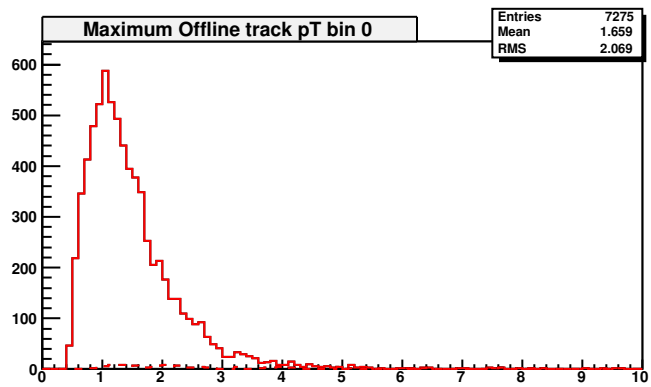


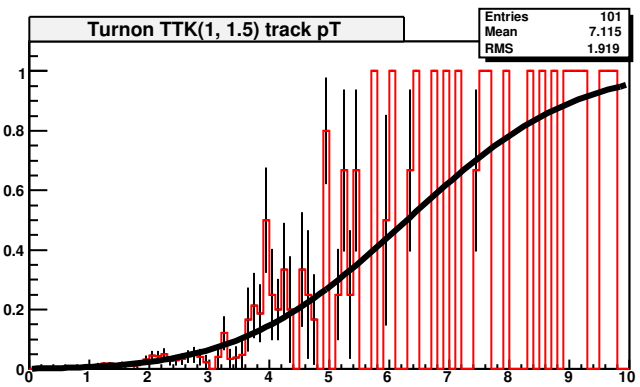


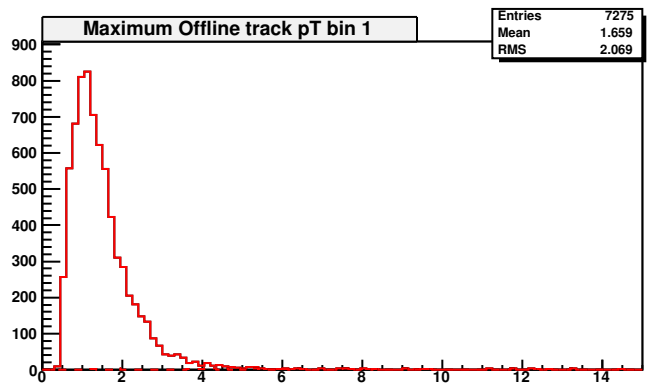


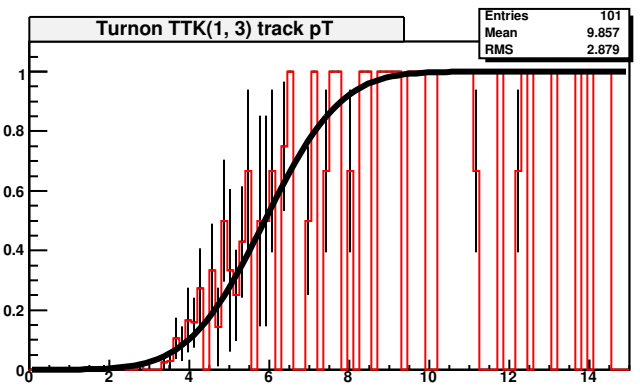


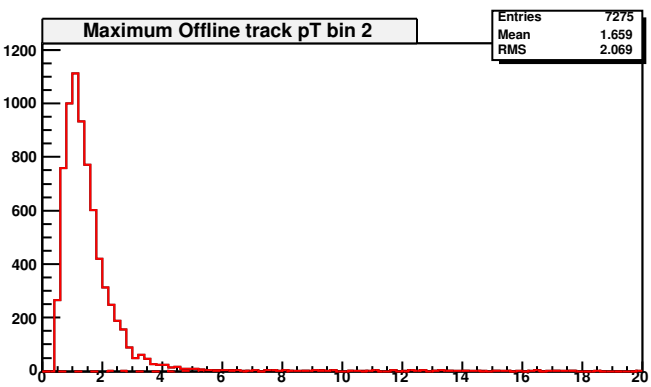
FPS Number of Hits (All)

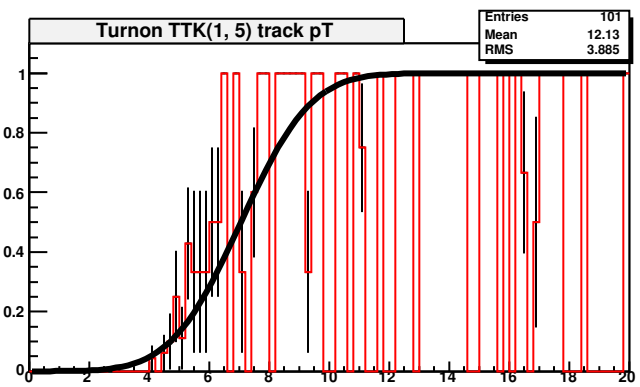


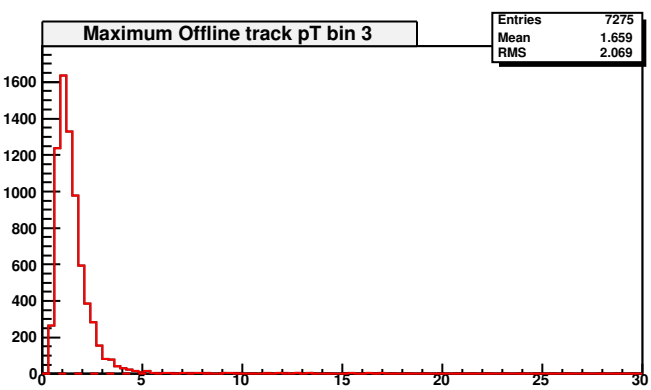


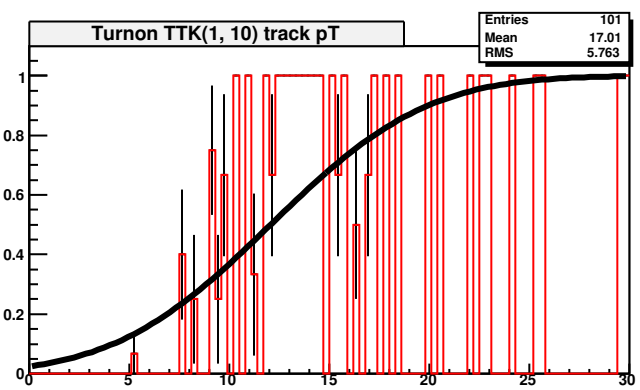




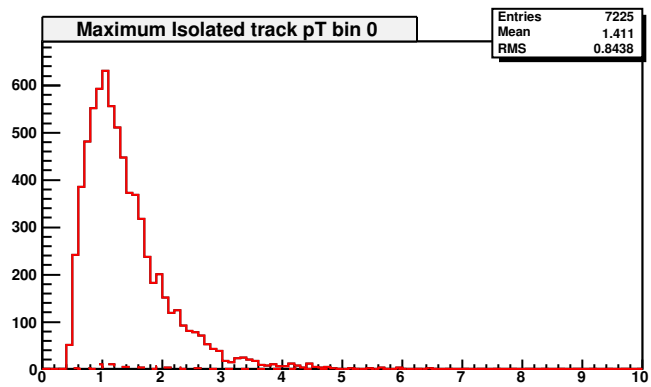


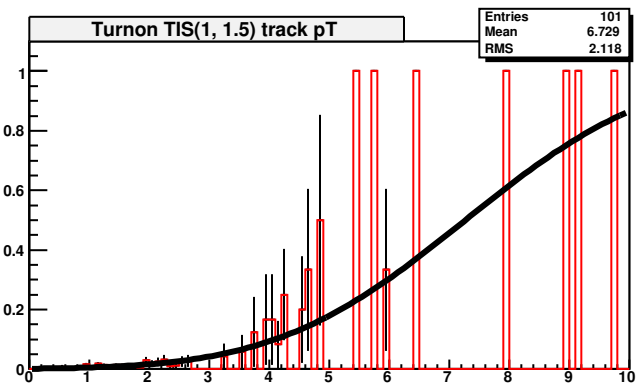


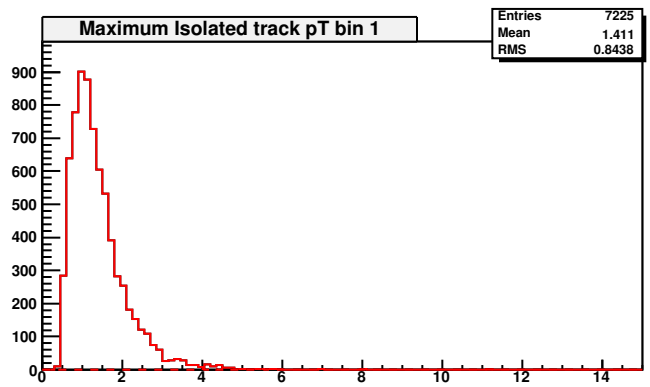


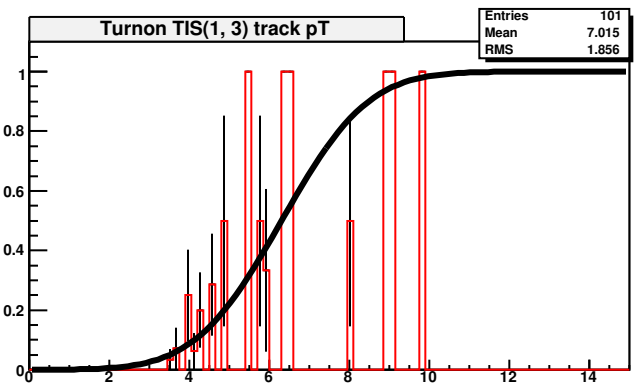


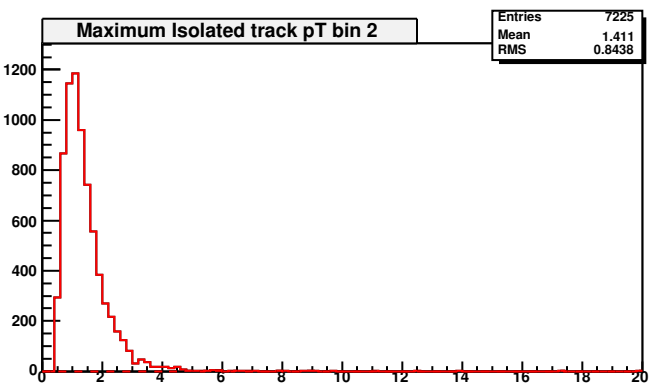
TTK Turnon curves (L1CTT All)

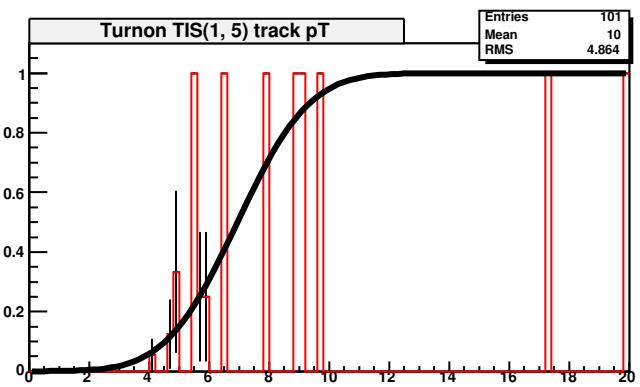


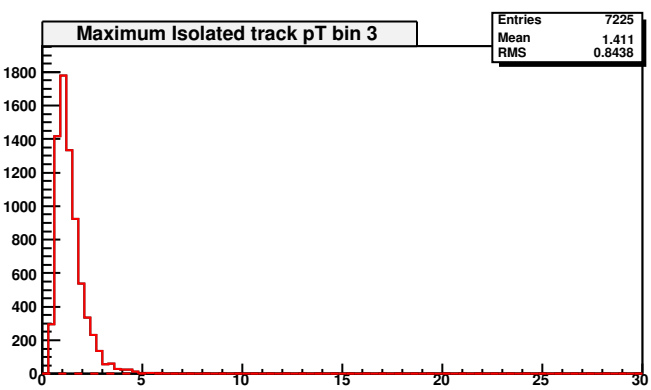


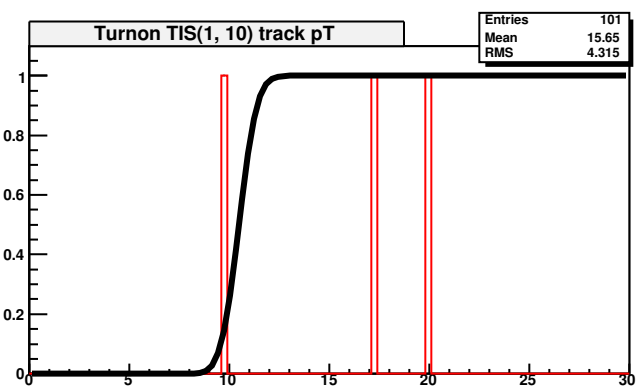




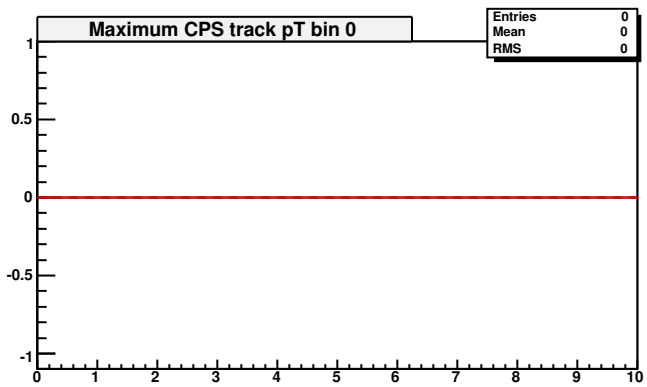


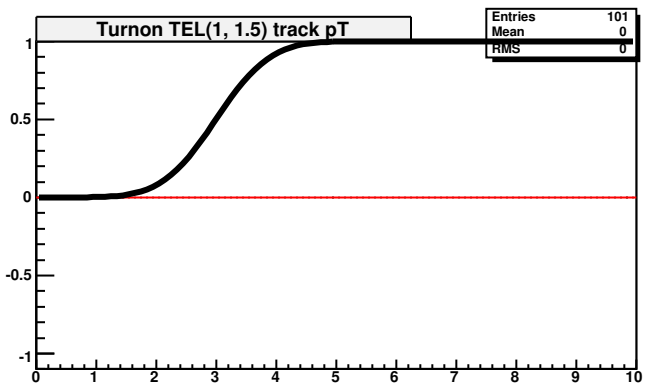


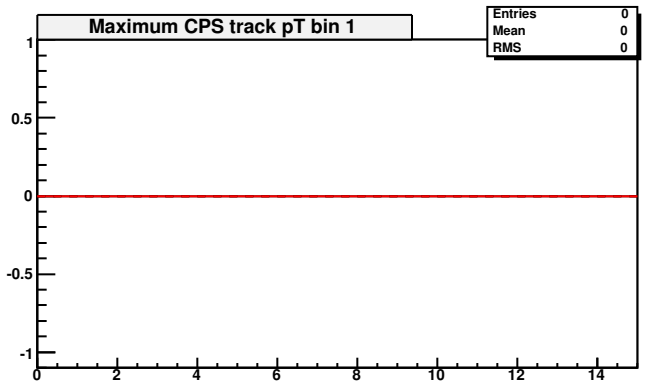


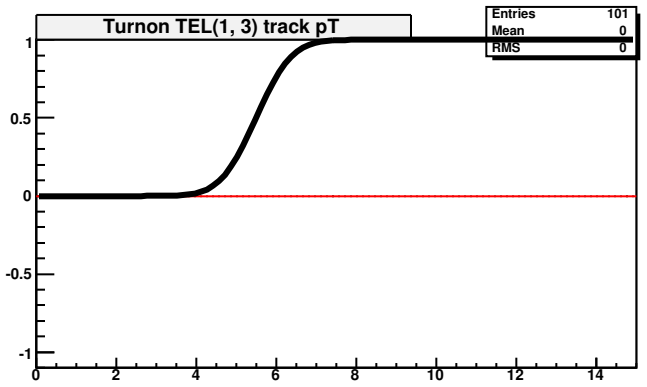


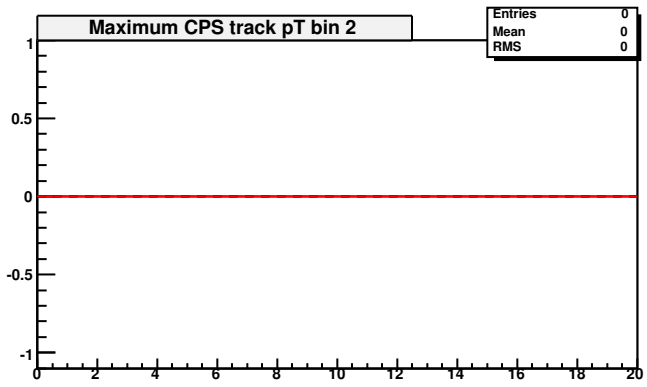
TIS Turnon curves (L1CTT All)

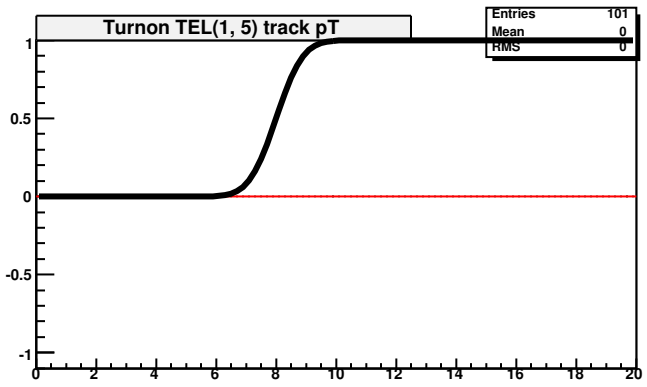


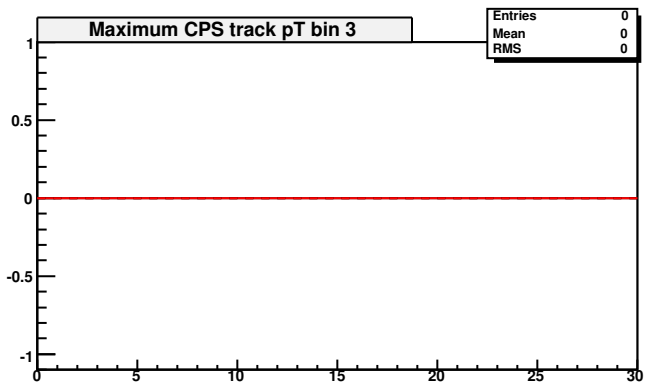


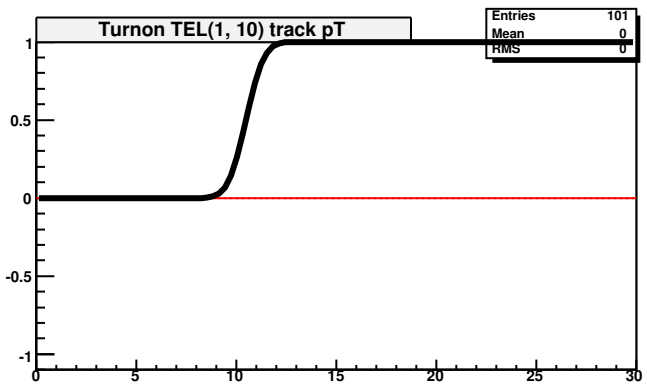




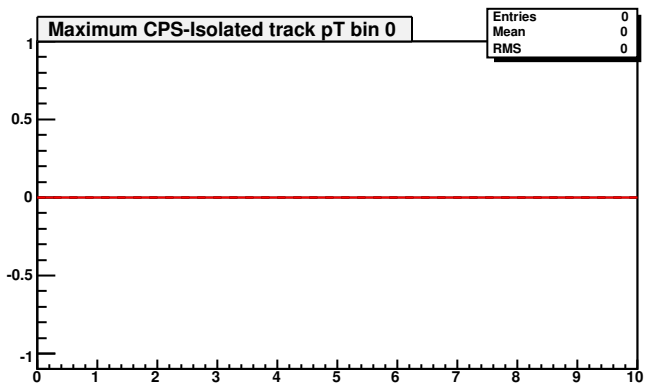


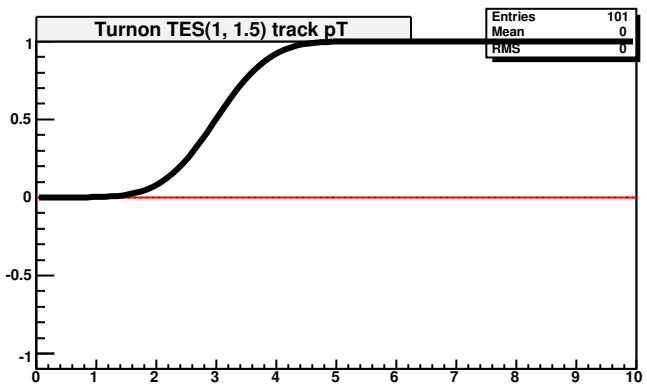


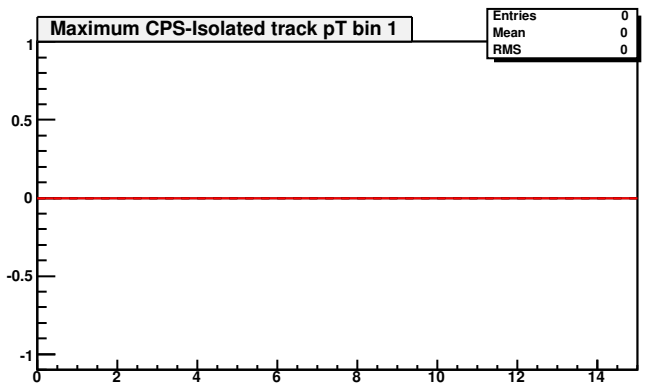


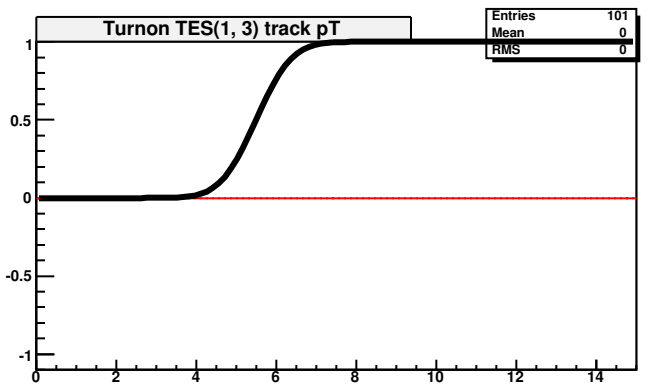


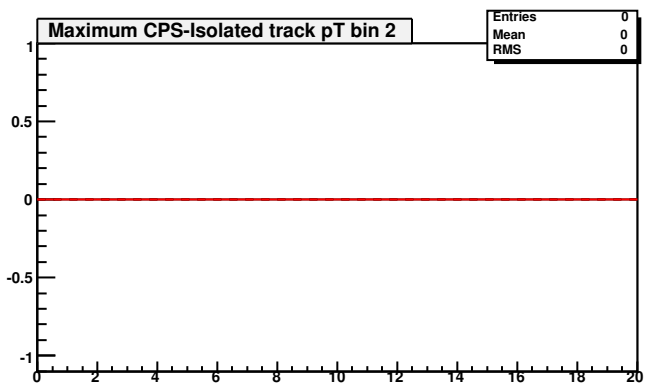
TEL Turnon curves (L1CTT All)

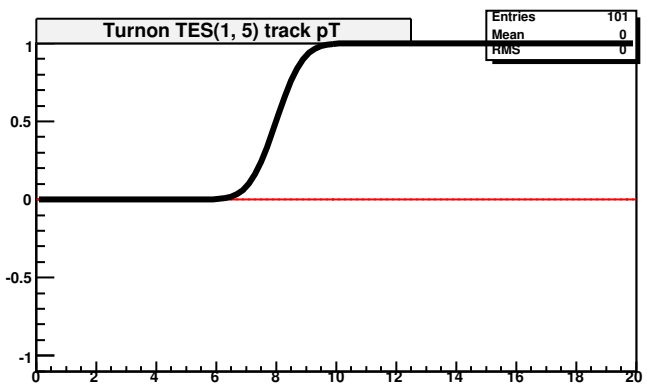


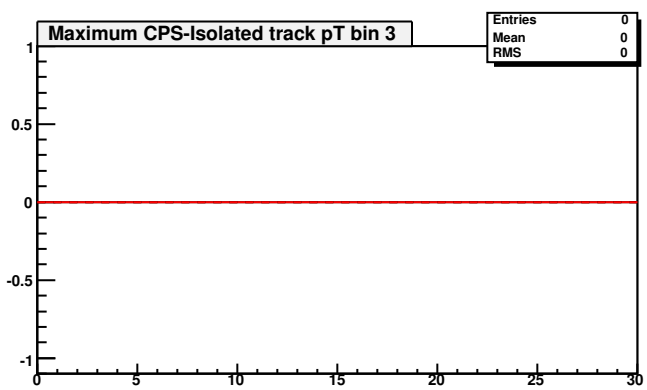


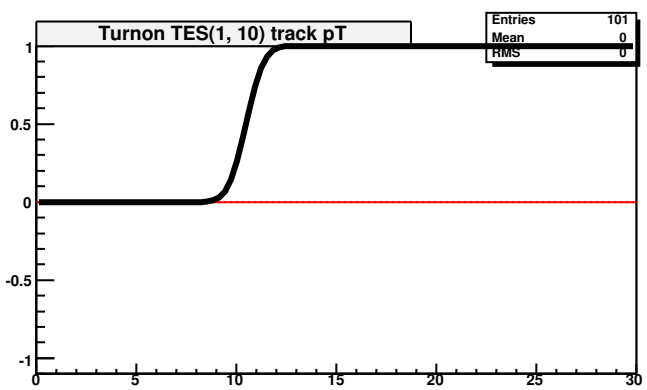




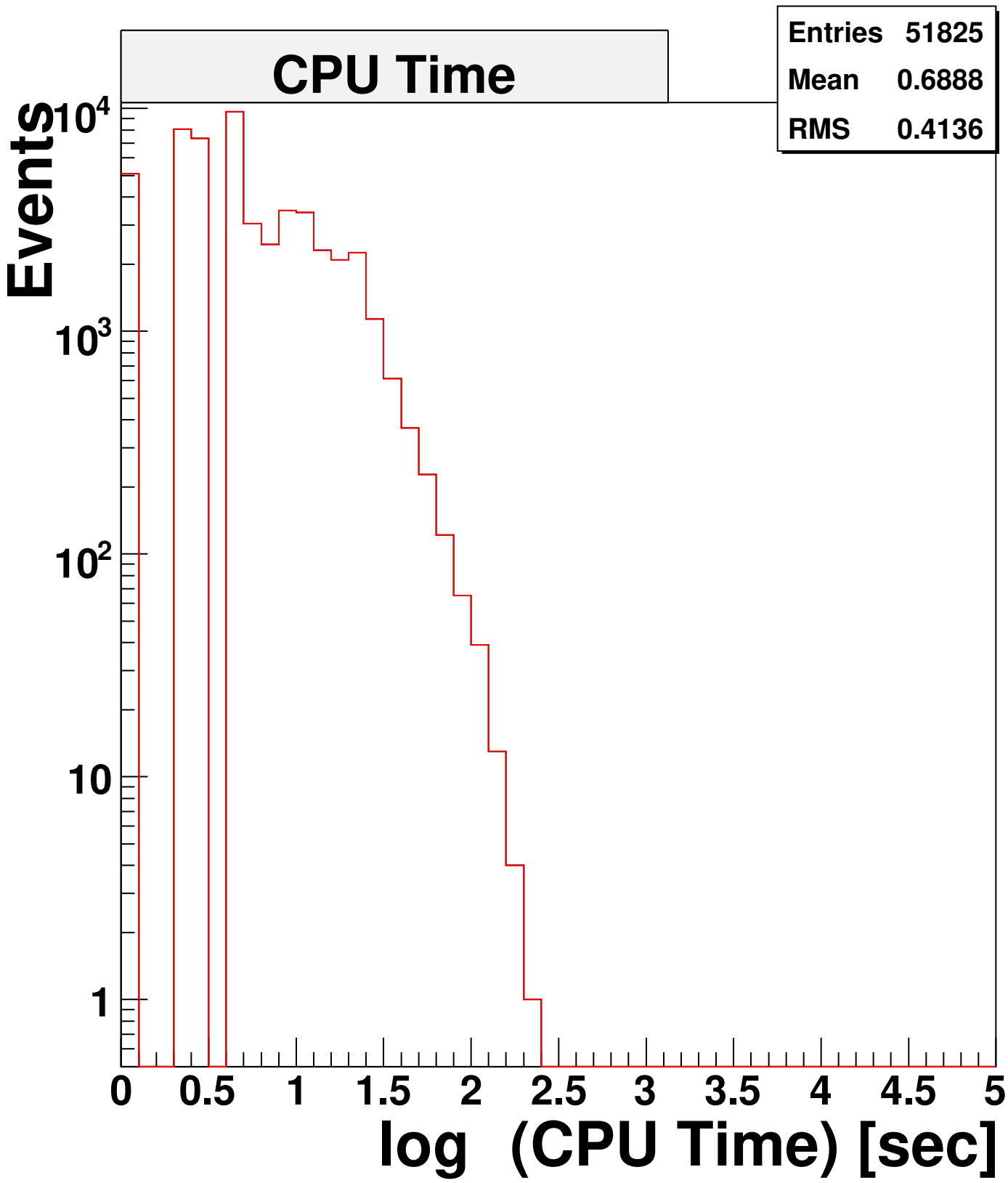








TES Turnon curves (L1CTT All)



RECO Performance (Timing)