dayset-2006-08-27-all_1-224619-0_certification_20070
../unmerged/dayset-2006-08-27-all_1-224619-0_certific

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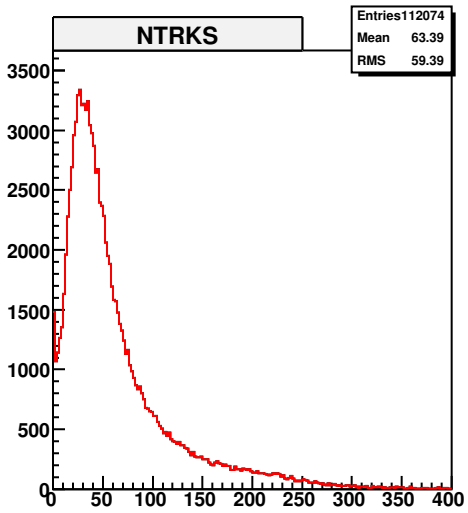
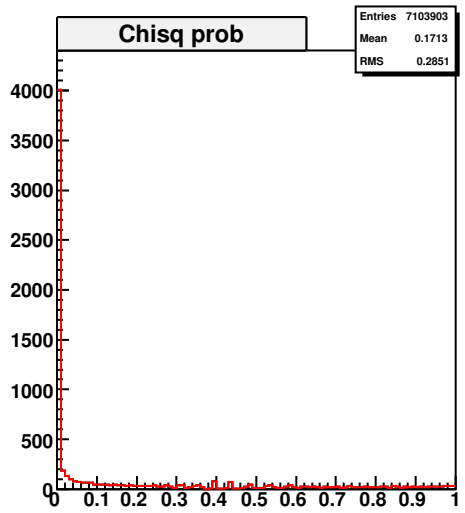
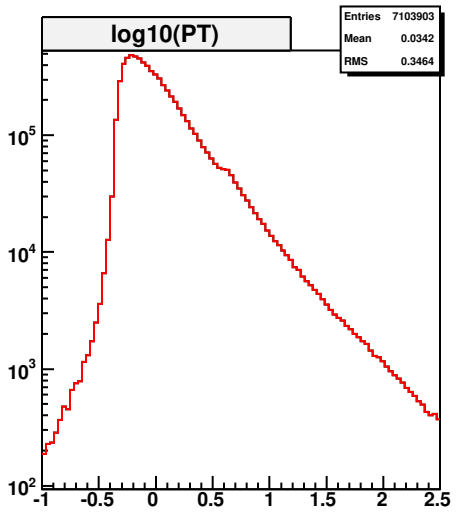
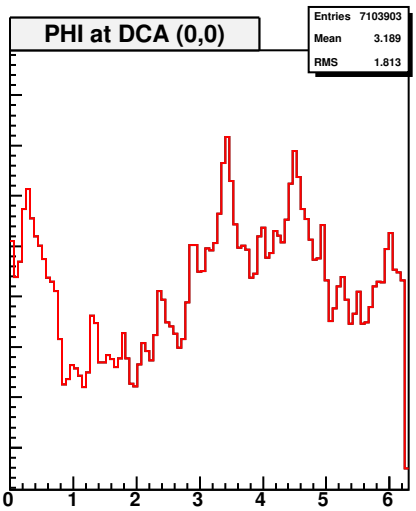
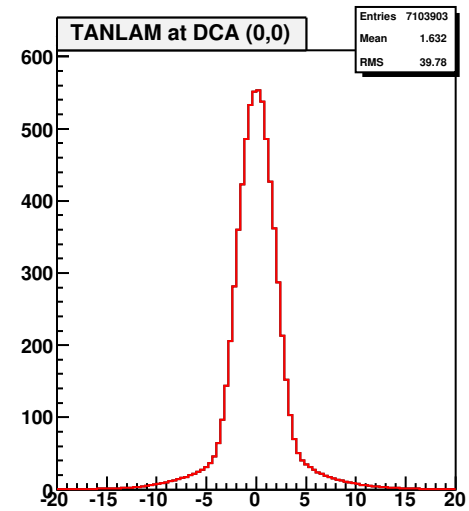
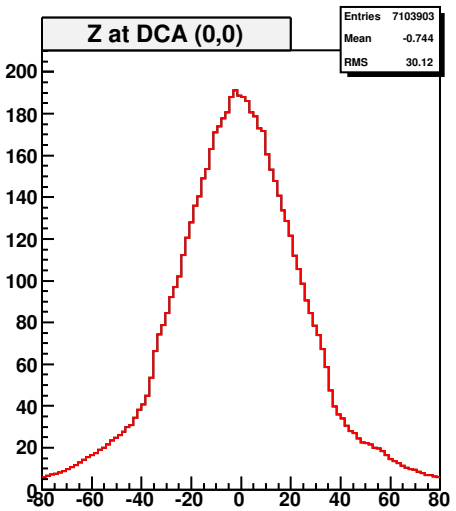

NTRKS
Entries 112074
Mean 63.39
RMS 59.39

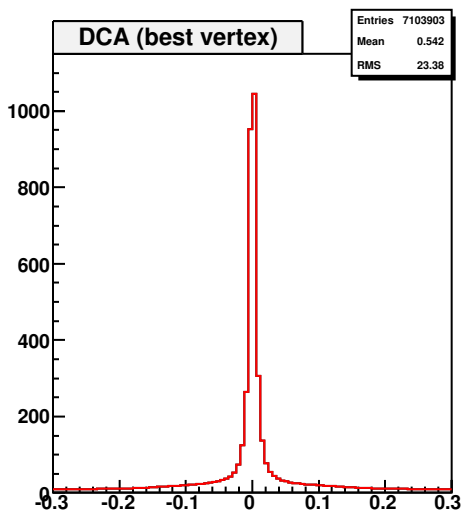

Chisq prob
Entries 7103903
Mean 0.1713
RMS 0.2851

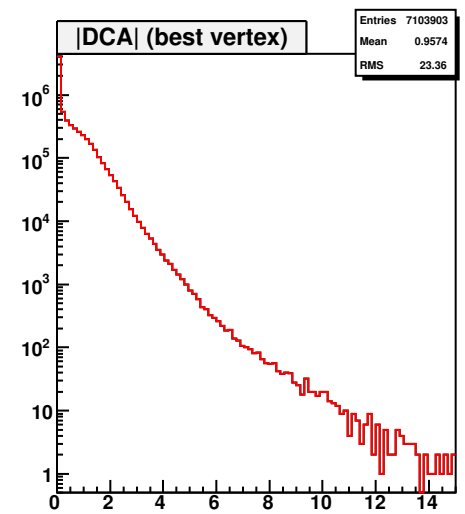

log10(PT)
Entries 7103903
Mean 0.0342
RMS 0.3464

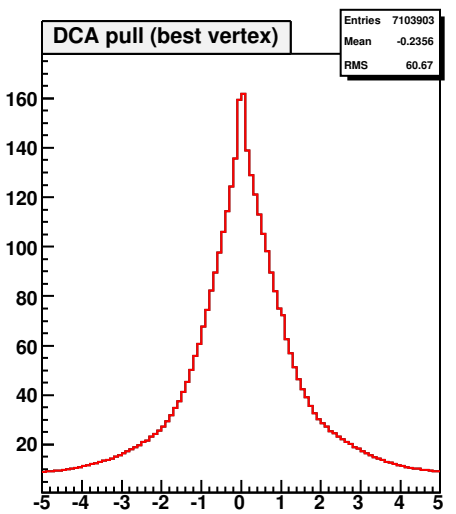

PHI at DCA (0,0)
Entries 7103903
Mean 3.189
RMS 1.813


TANLAM at DCA (0,0)
Entries 7103903
Mean 1.632
RMS 39.78

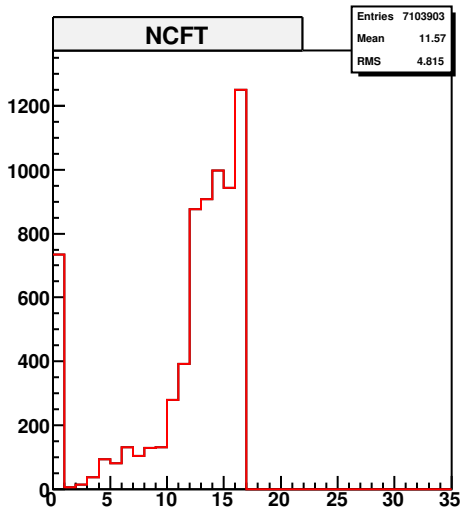

Z at DCA (0,0)
Entries 7103903
Mean -0.744
RMS 30.12

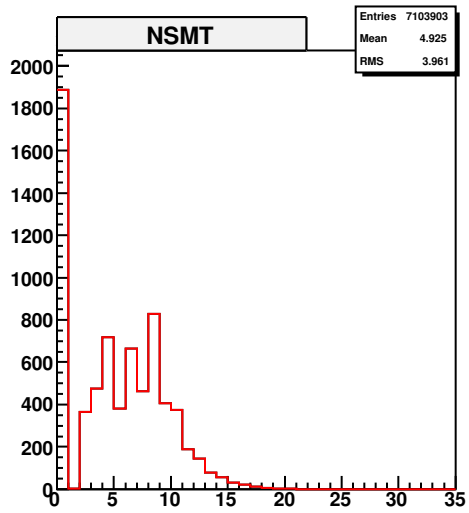

DCA (best vertex)
Entries 7103903
Mean 0.542
RMS 23.38

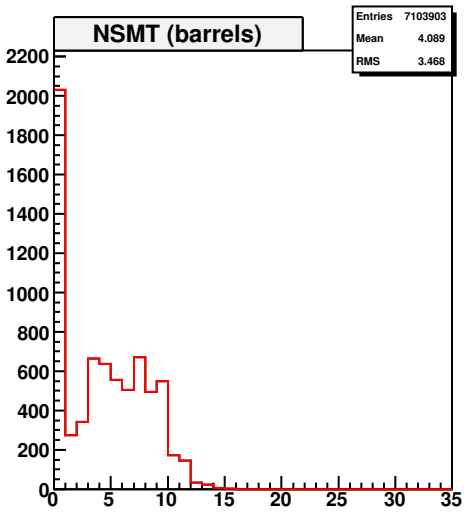

|DCA| (best vertex)
Entries 7103903
Mean 0.9574
RMS 23.36

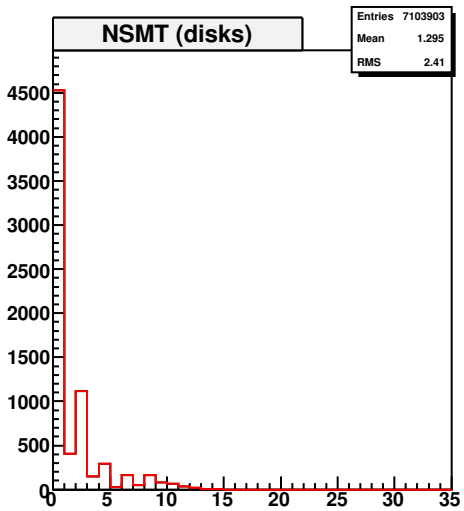

DCA pull (best vertex)
Entries 7103903
Mean -0.2356
RMS 60.67

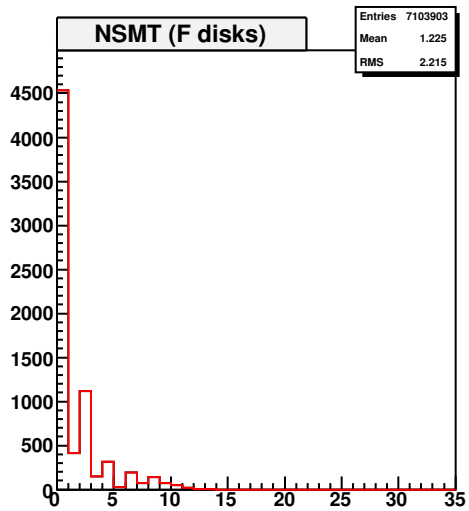
Tracks (All)

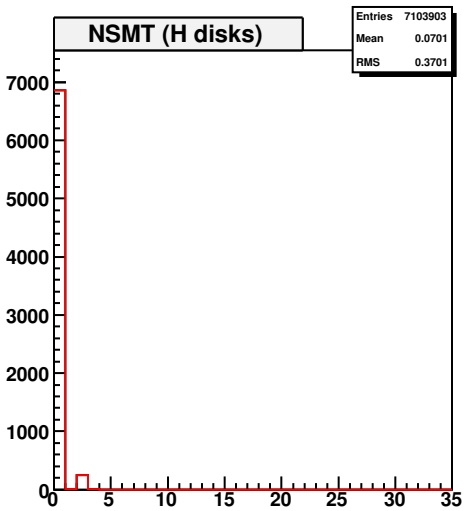


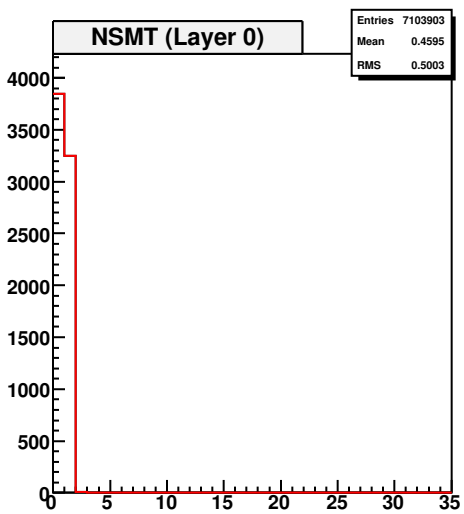




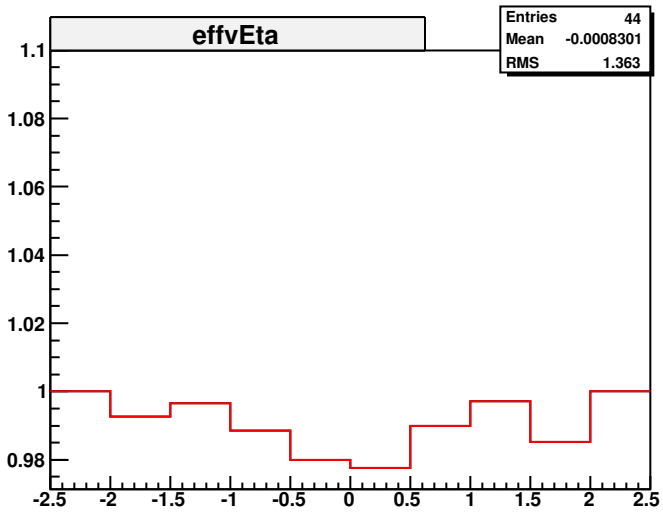


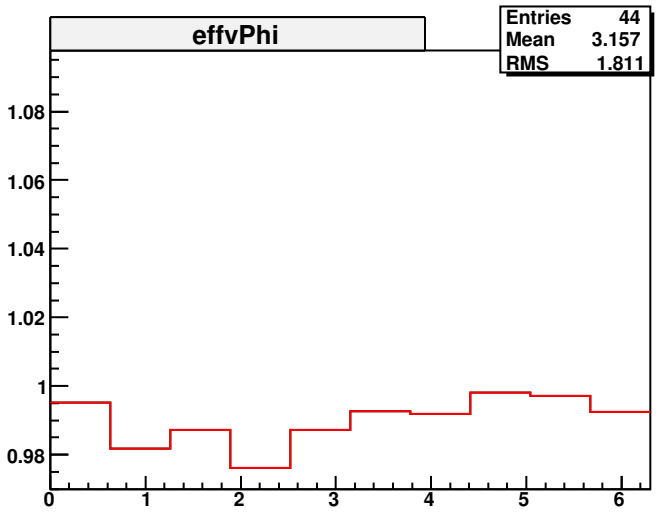


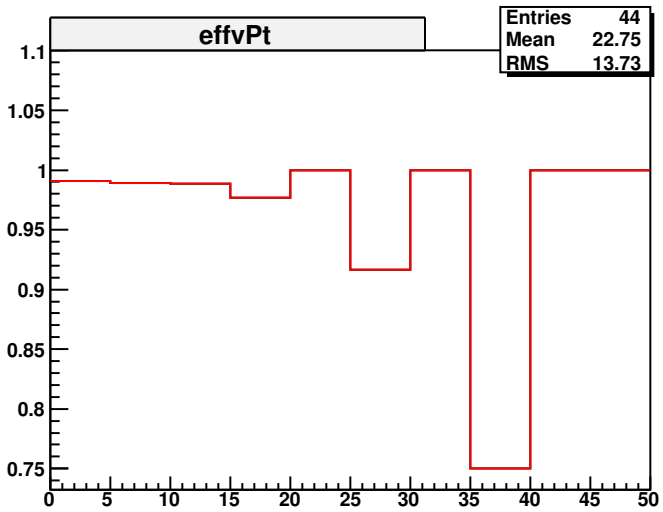


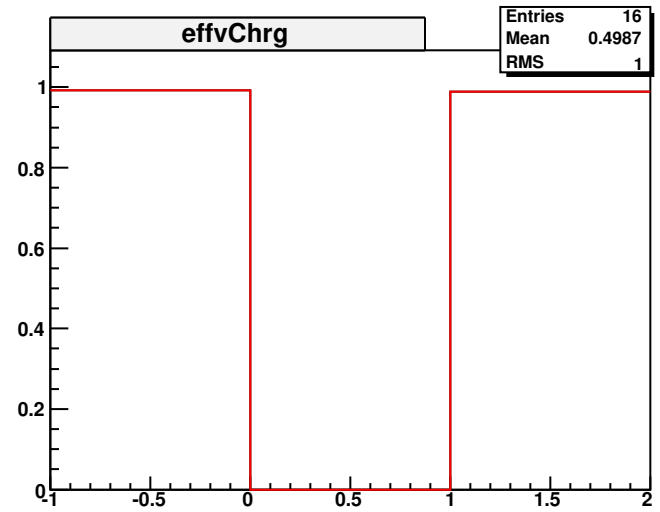


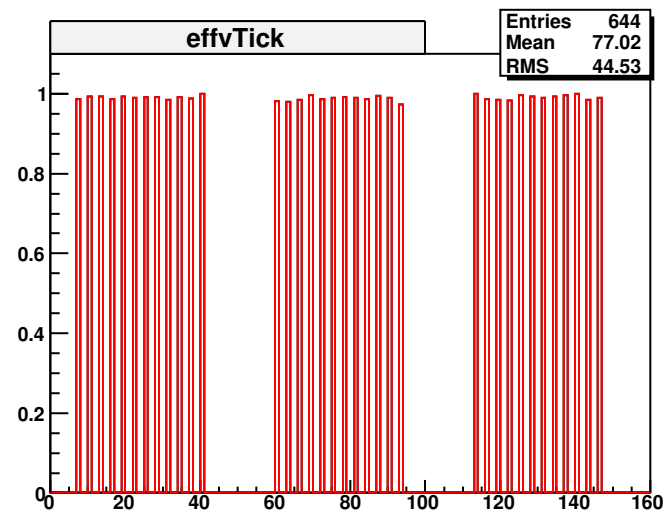
Track Hits (All)

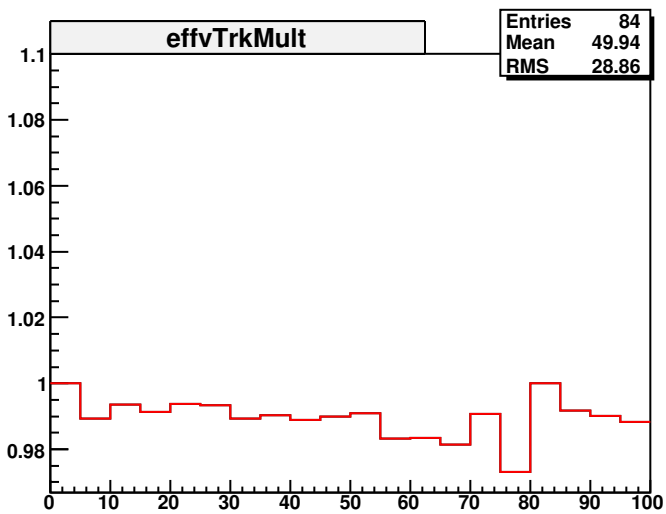




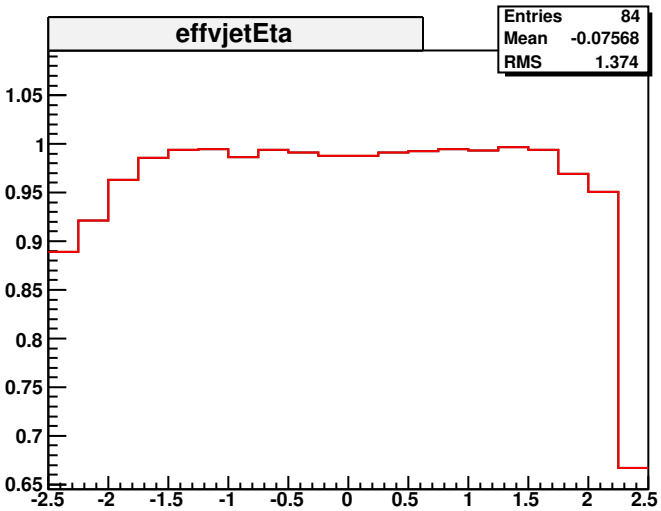


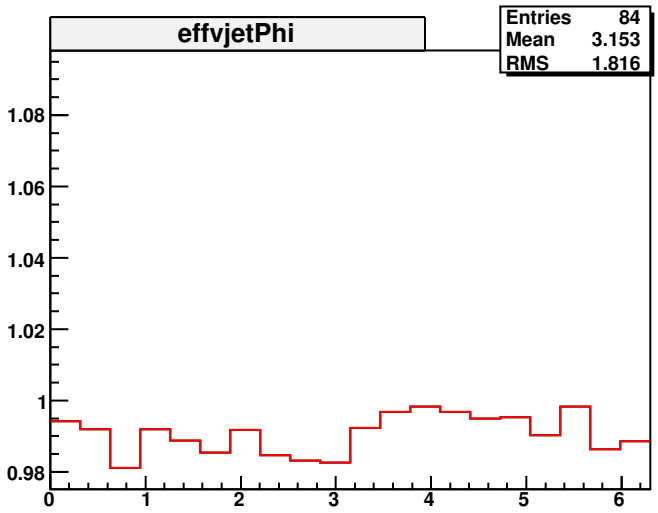


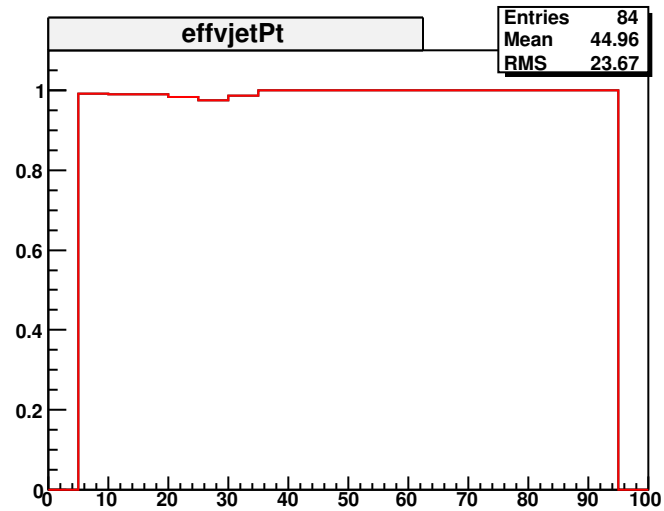




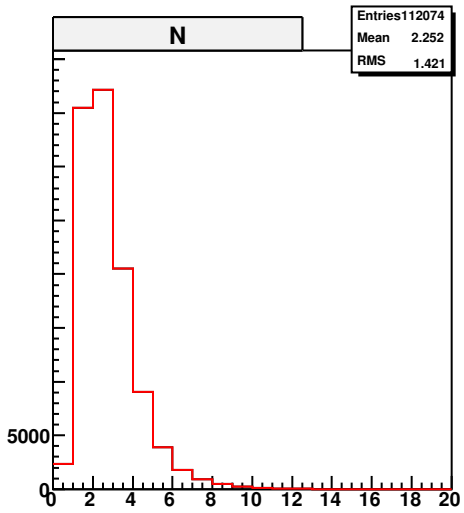
Tracking (Efficiency-Isolated)

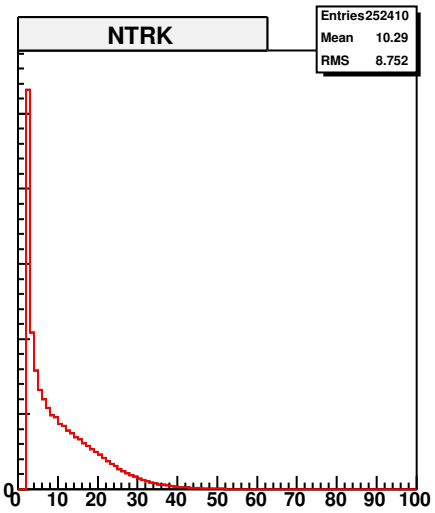


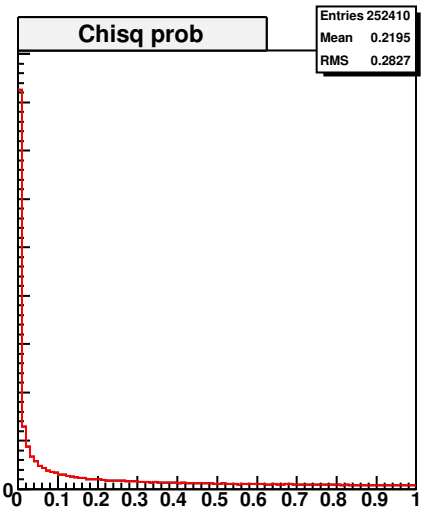


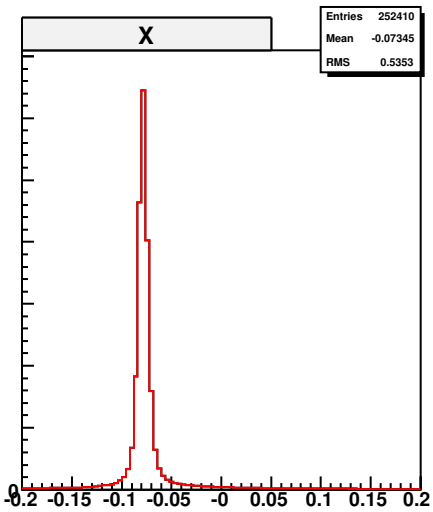


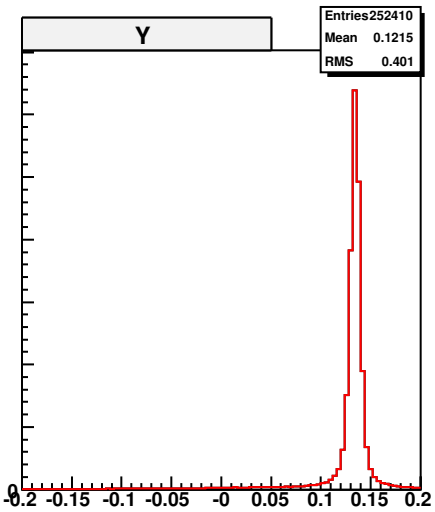
Tracking (Efficiency-InJets)

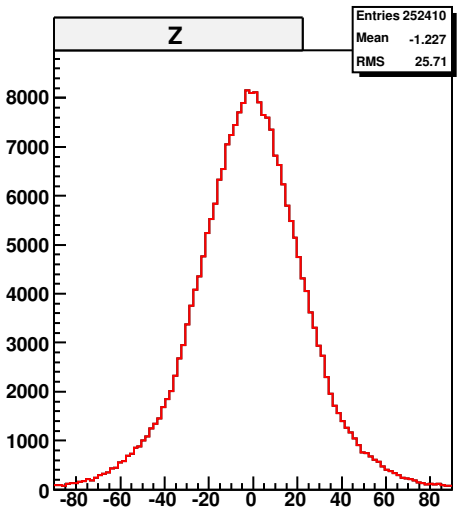




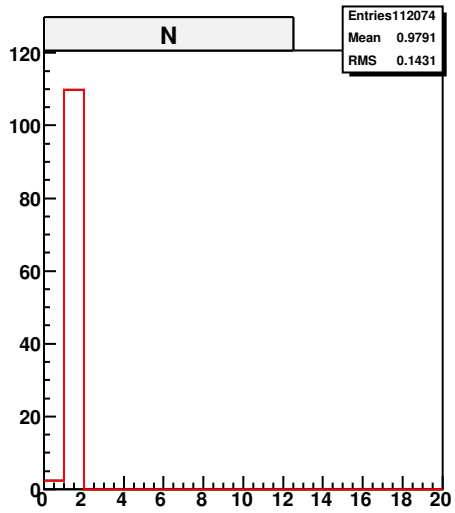


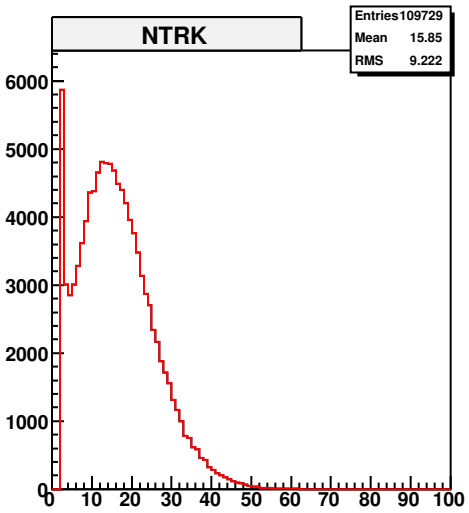


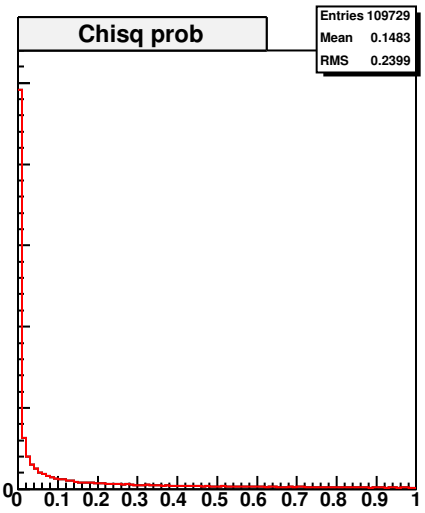


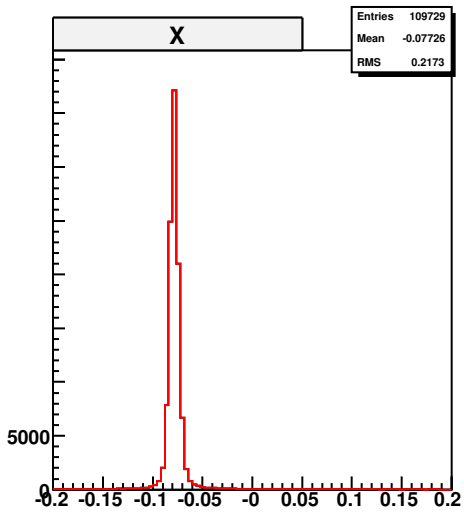


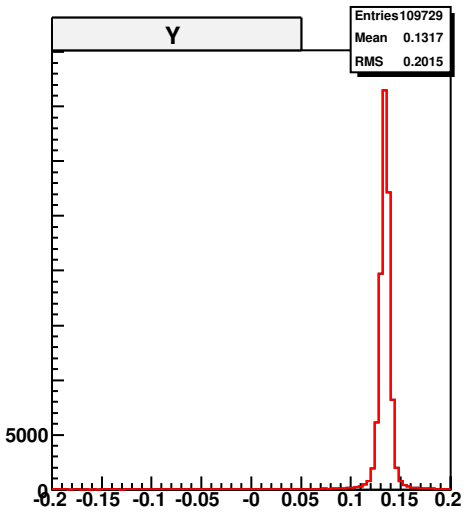
Vertices (Primary - all candidates)

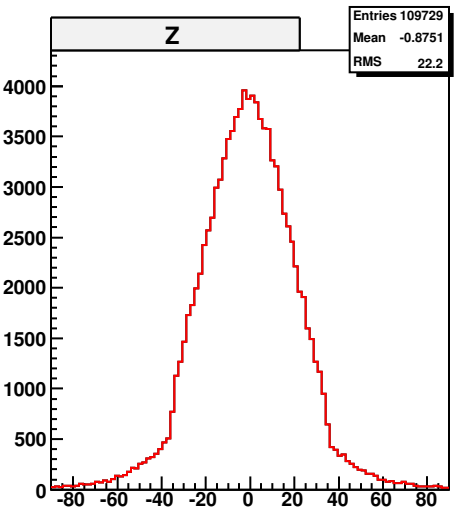




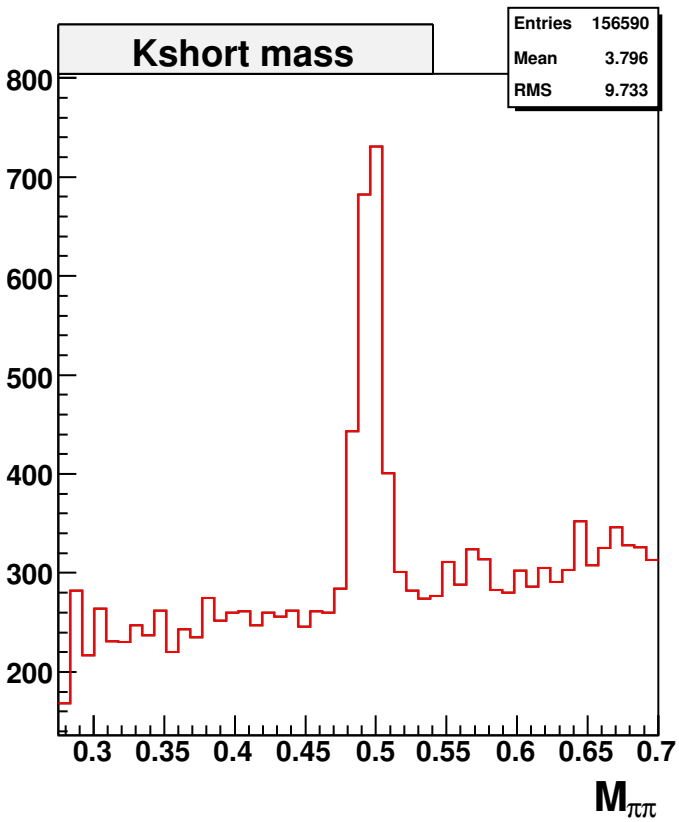


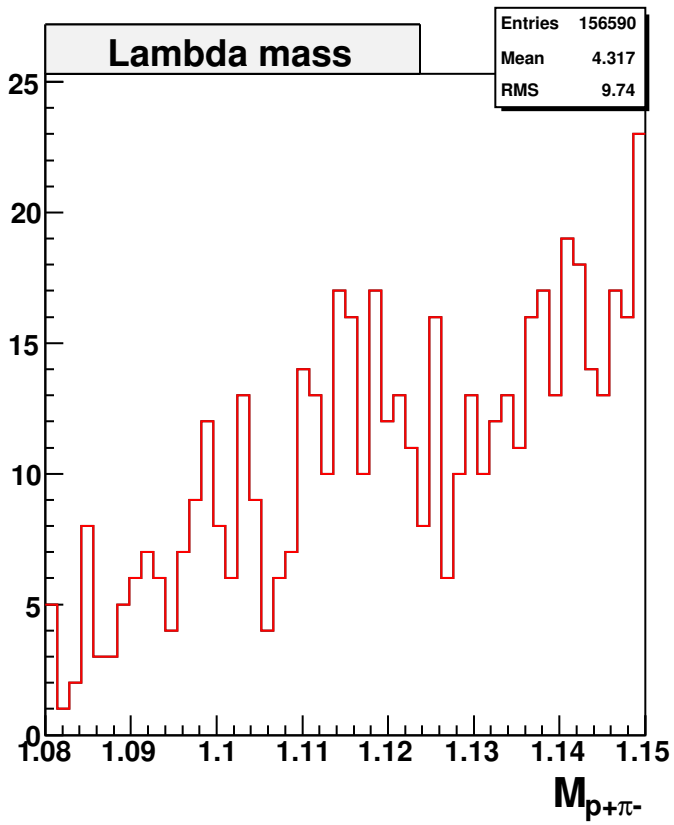


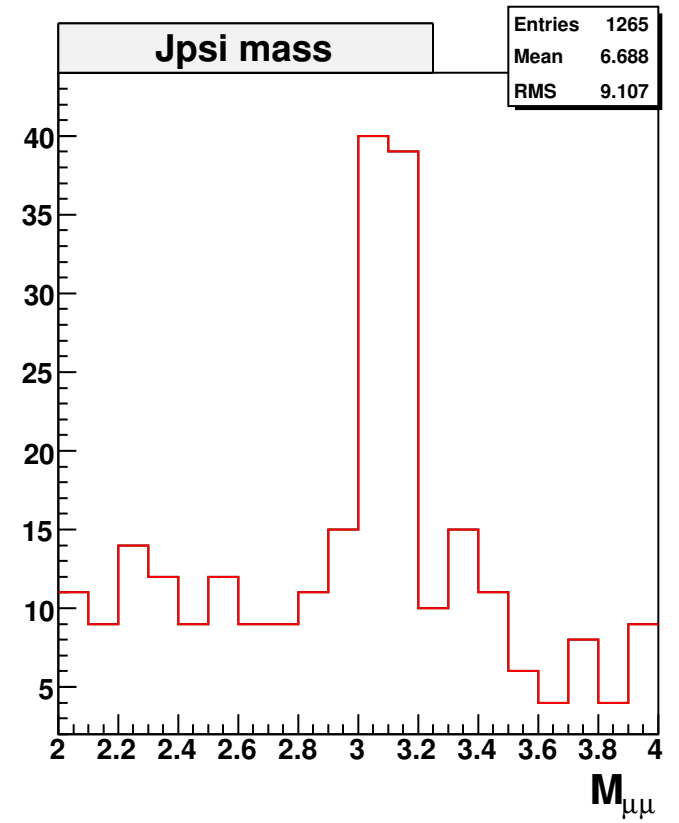


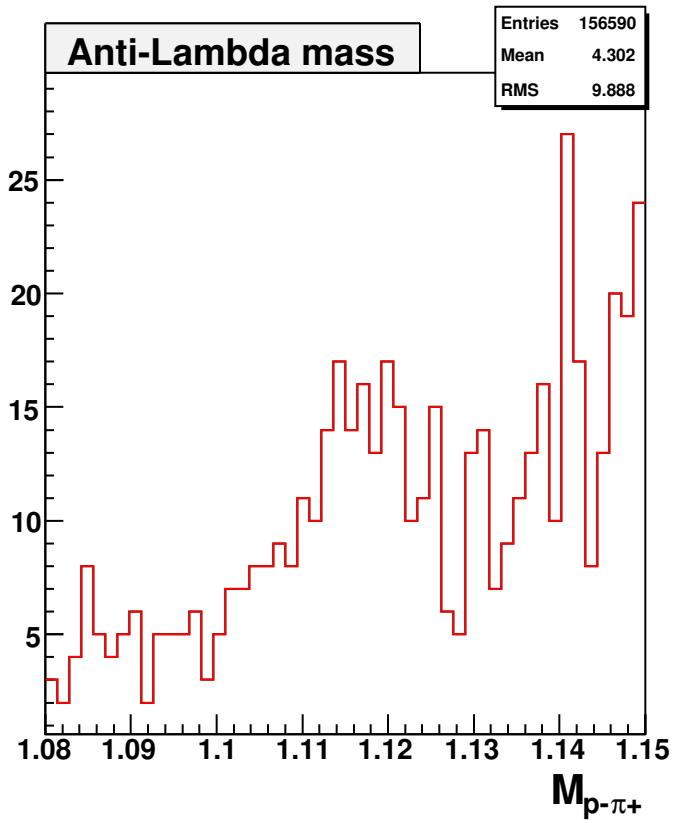


Vertices (Primary - best)

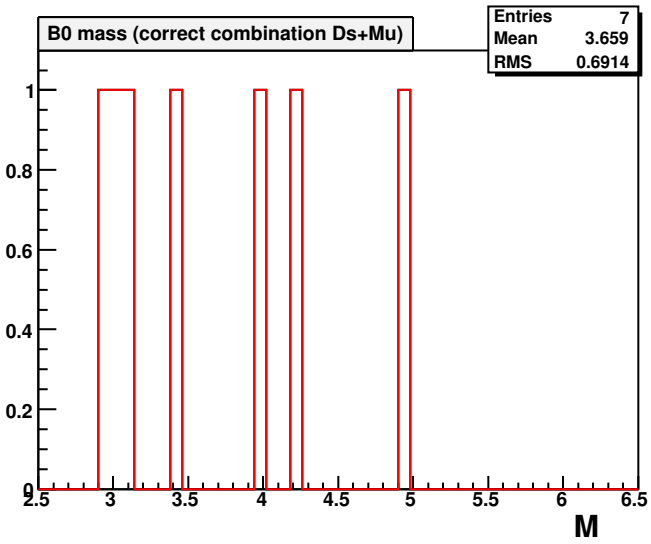

Kshort mass
Entries 156590
Mean 3.796
RMS 9.733
800
700
600
500
400
300
200
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

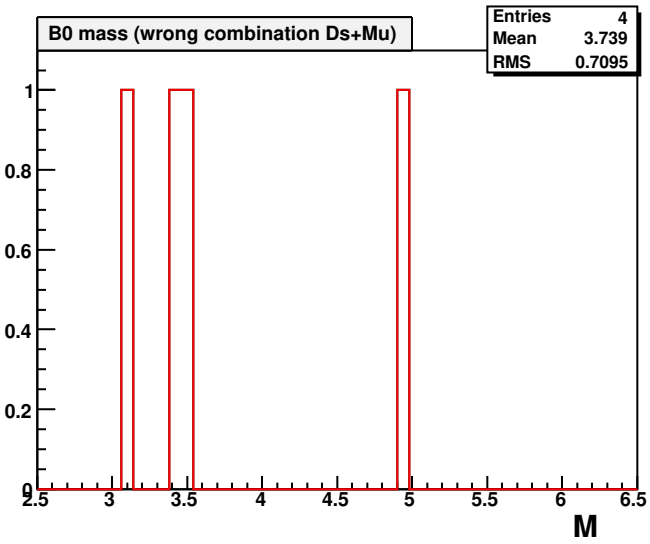

Lambda mass
Entries 156590
Mean 4.317
RMS 9.74
25
20
15
10
5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

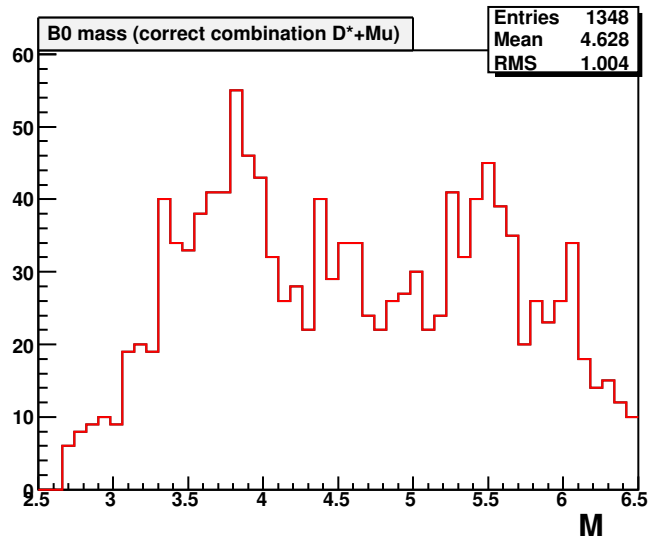

Jpsi mass
Entries 1265
Mean 6.688
RMS 9.107
40
35
30
25
20
15
10
5
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

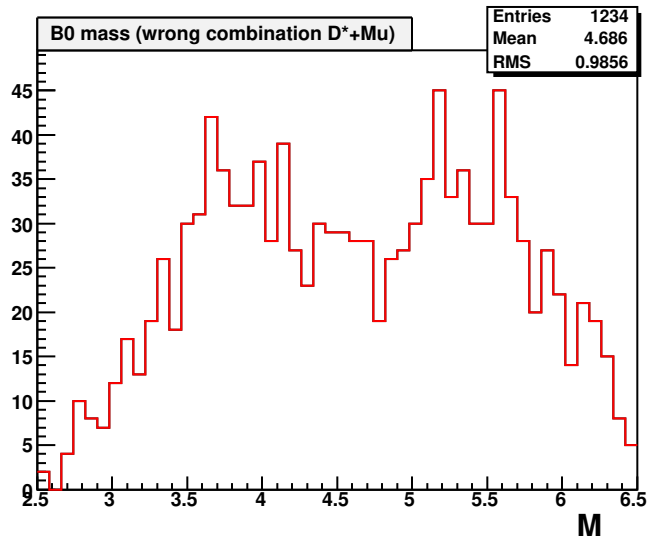

Anti-Lambda mass
Entries 156590
Mean 4.302
RMS 9.888
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

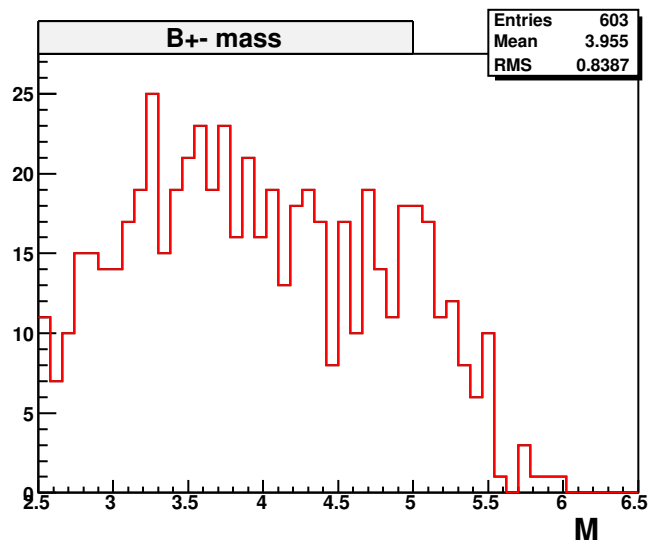
V0 (All)



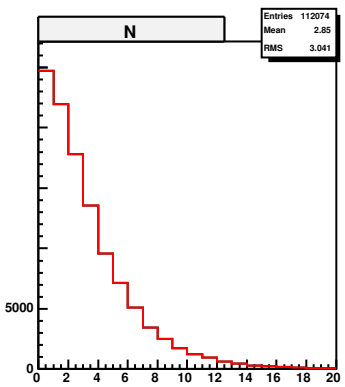


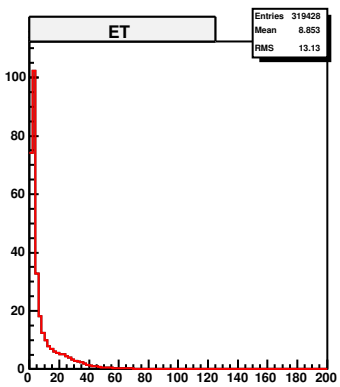


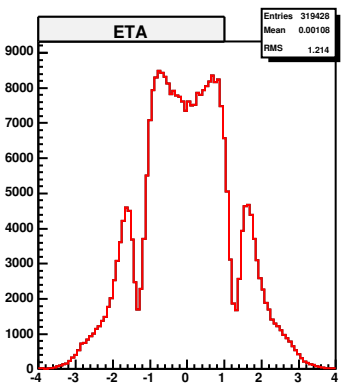


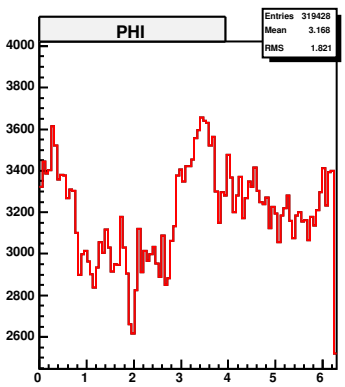


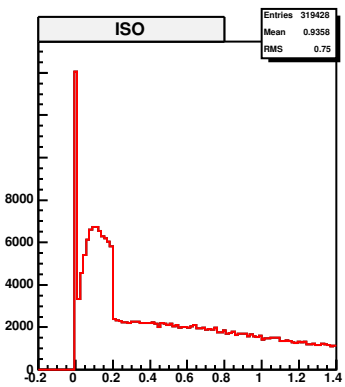
V0(B mesons) (All)

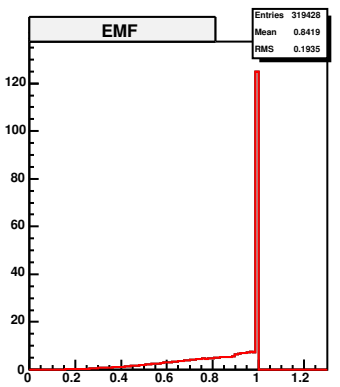


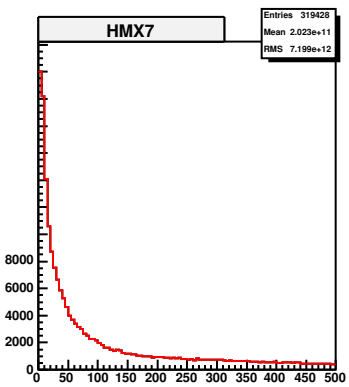


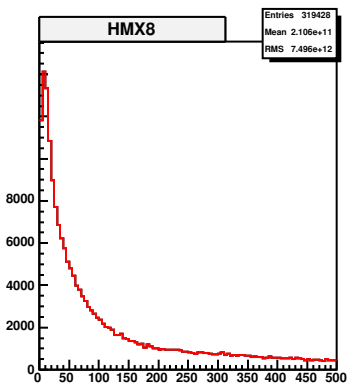


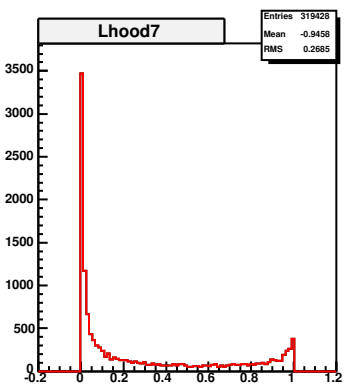


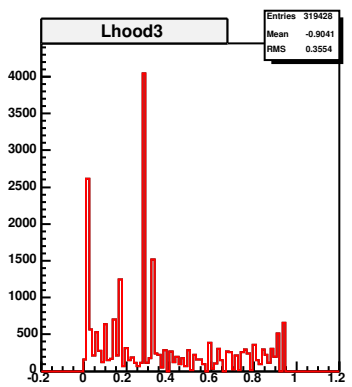


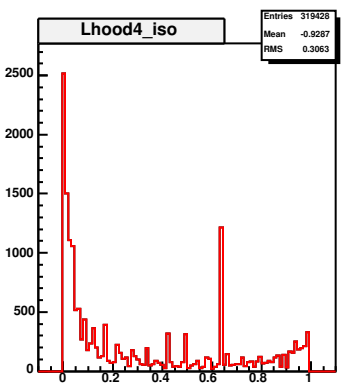


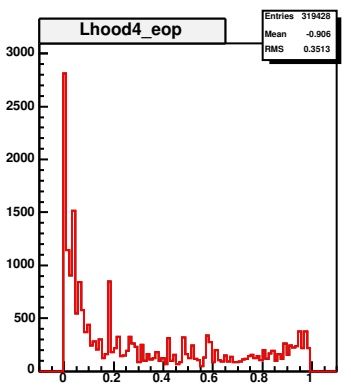


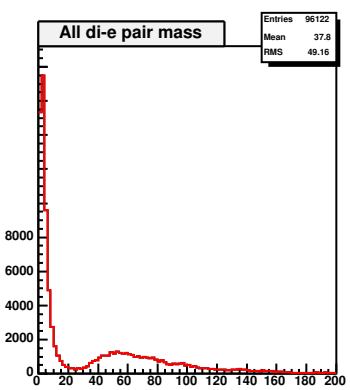


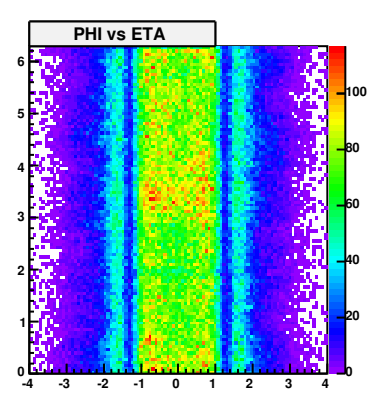


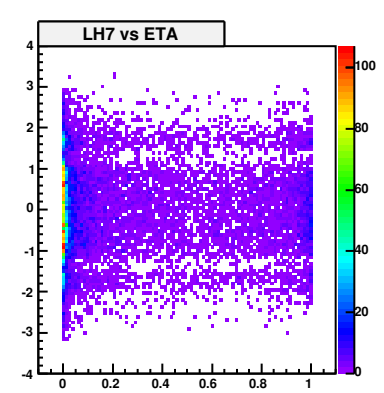


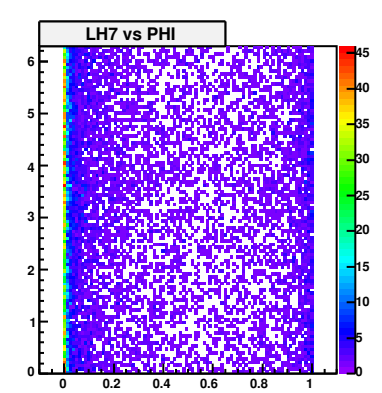




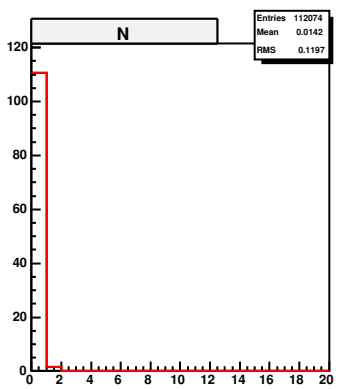


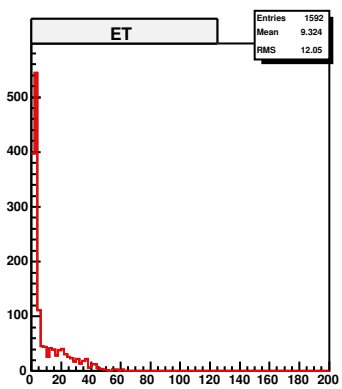


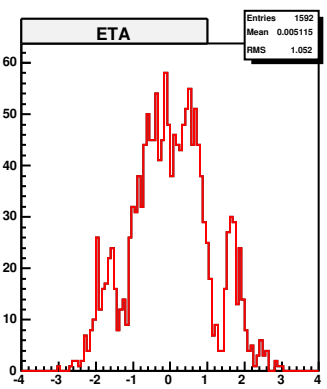


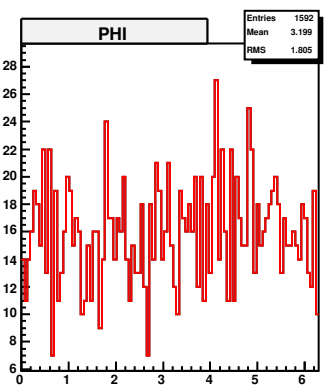


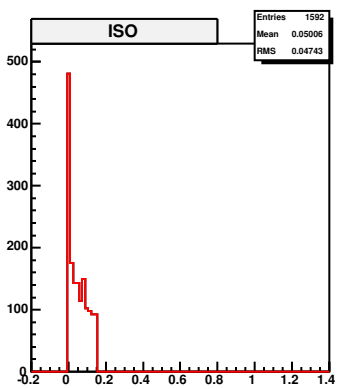
Electrons (SCONE All)

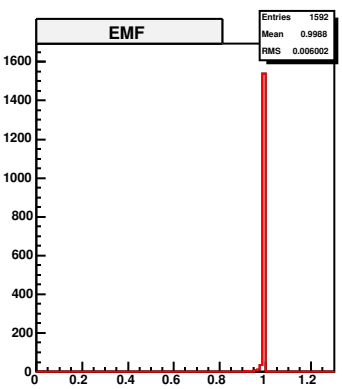


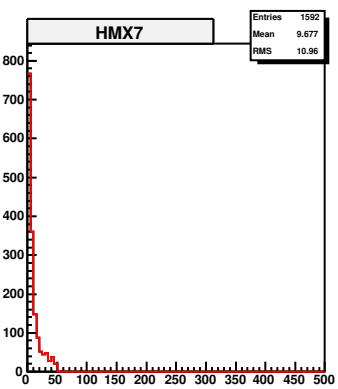


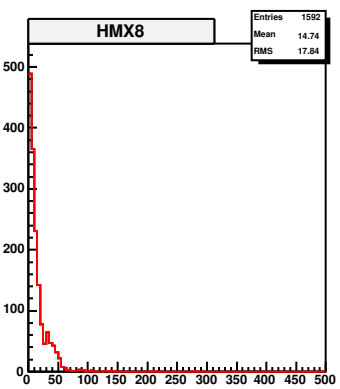


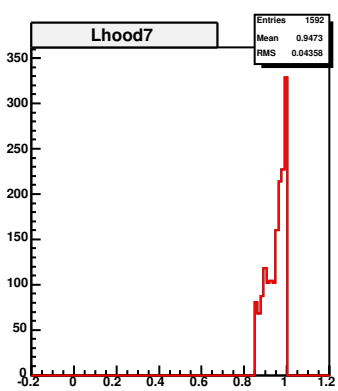


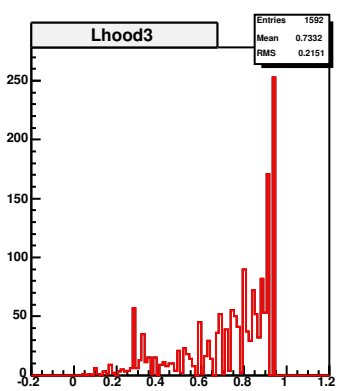


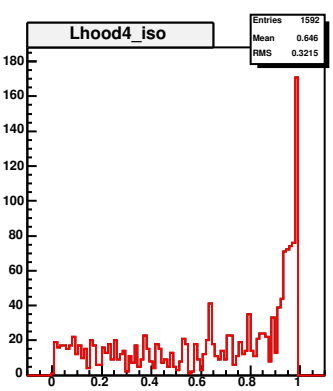


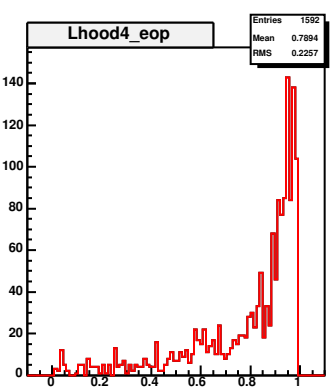


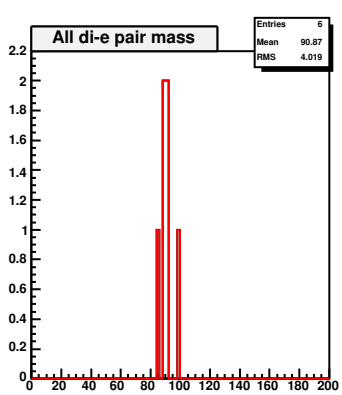


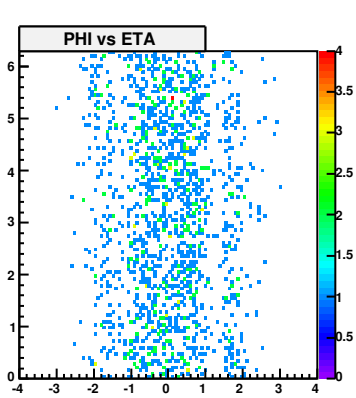


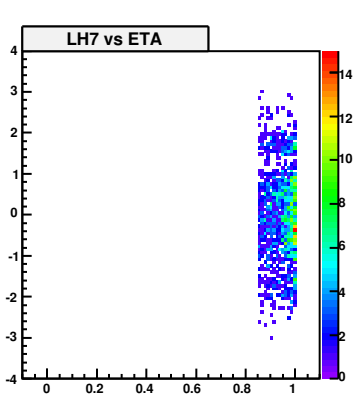


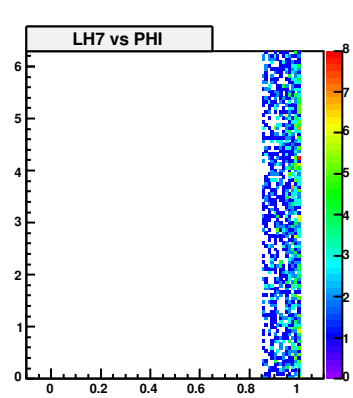




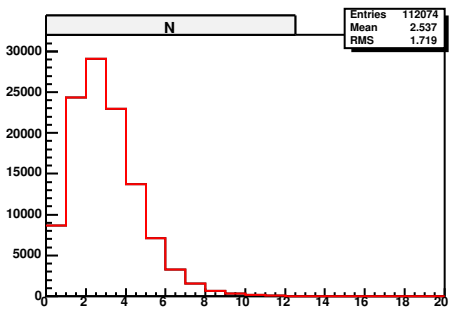


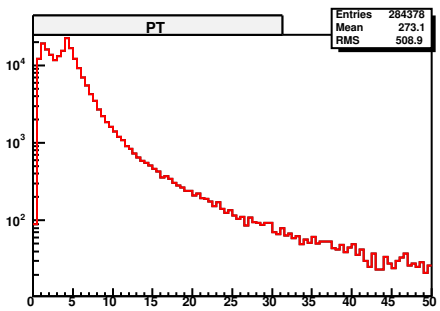


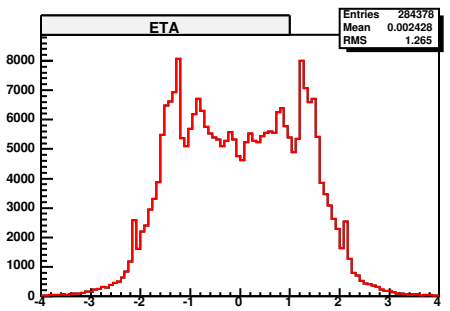


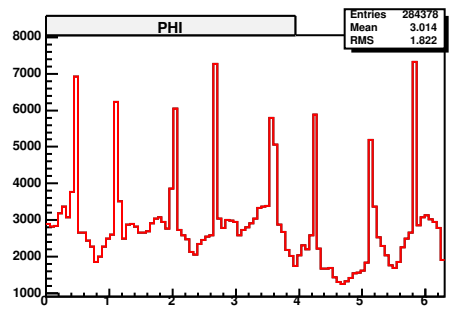


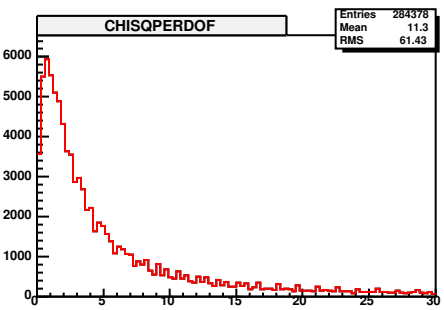
Electrons (SCONE Tight)

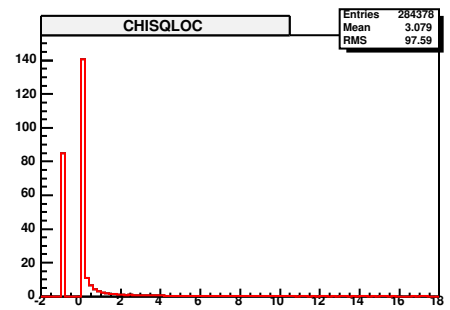

N
Entries 112074
Mean 2.537
RMS 1.719

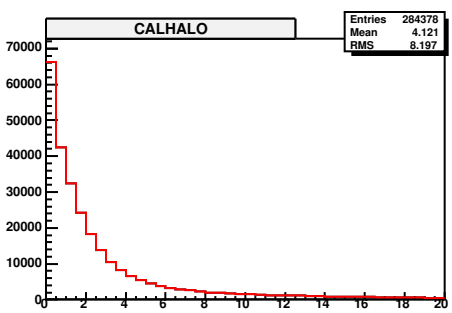

PT
Entries 284378
Mean 273.1
RMS 508.9

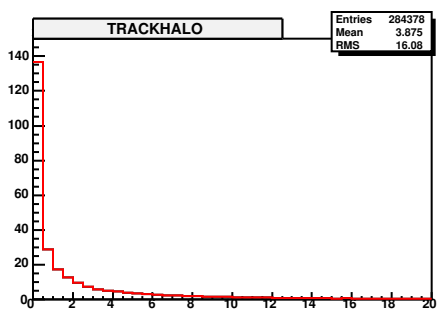

ETA
Entries 284378
Mean 0.002428
RMS 1.265

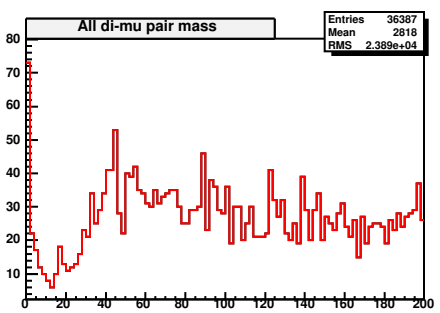

PHI
Entries 284378
Mean 3.014
RMS 1.822

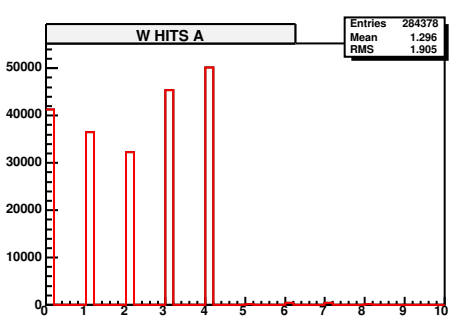

CHISQPERDOF
Entries 284378
Mean 11.3
RMS 61.43

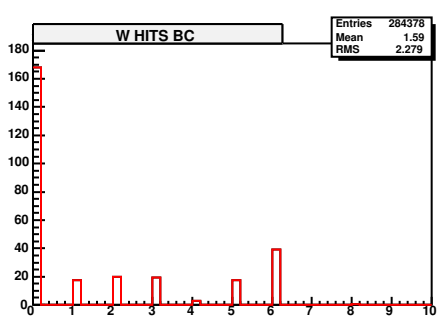

CHISQLOC
Entries 284378
Mean 3.079
RMS 97.59

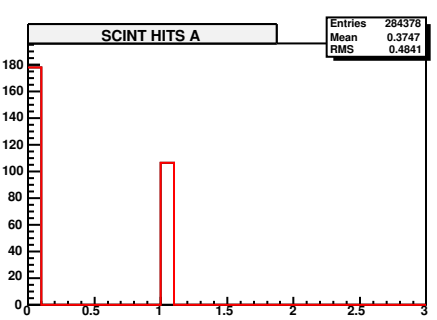

CALHALO
Entries 284378
Mean 4.121
RMS 8.197

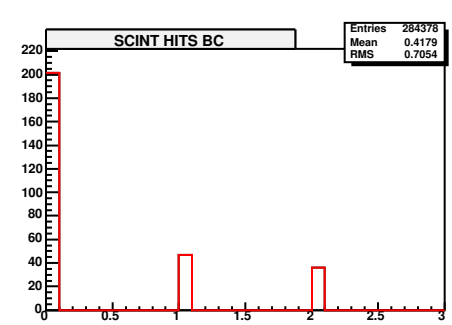

TRACKHALO
Entries 284378
Mean 3.875
RMS 16.08


All di-mu pair mass
Entries 36387
Mean 2818
RMS 2.389e+04

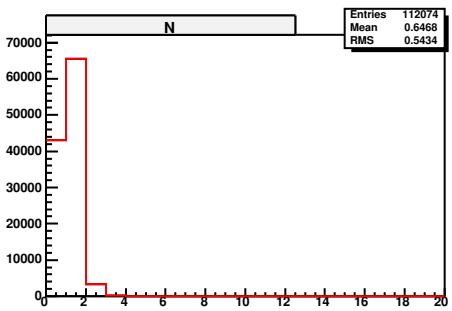

W HITS A
Entries 284378
Mean 1.296
RMS 1.905

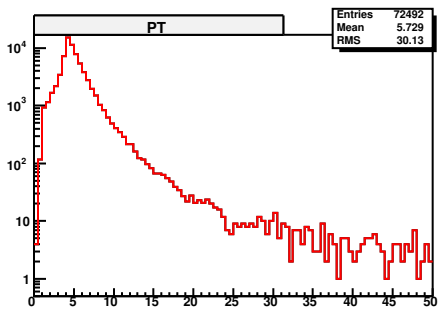

W HITS BC
Entries 284378
Mean 1.59
RMS 2.279

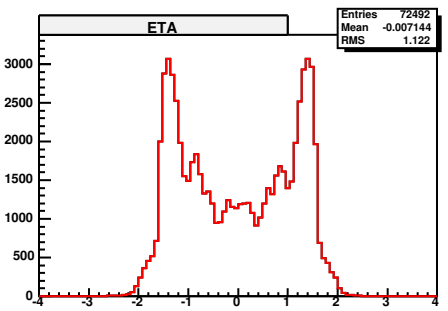

SCINT HITS A
Entries 284378
Mean 0.3747
RMS 0.4841

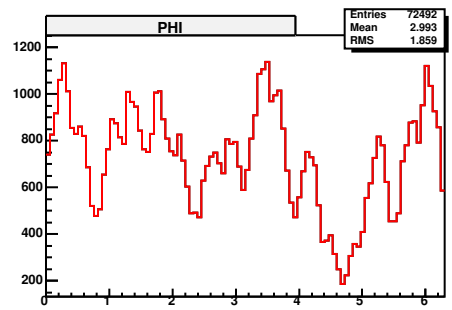

SCINT HITS BC
Entries 284378
Mean 0.4179
RMS 0.7054

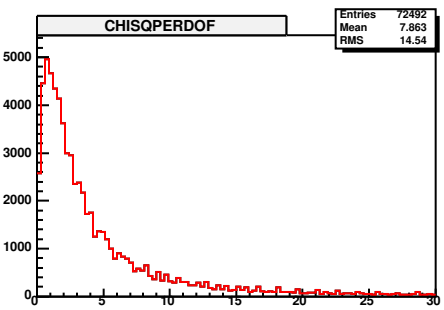
Muons (All)

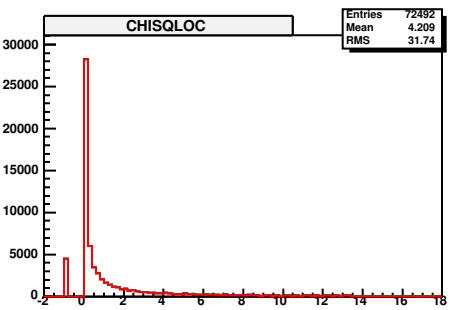


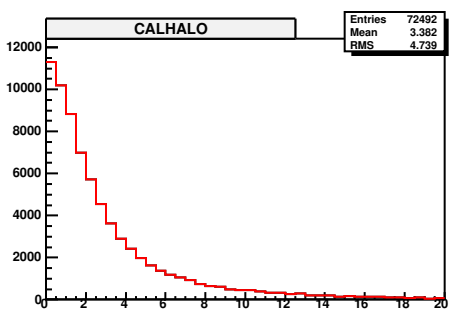


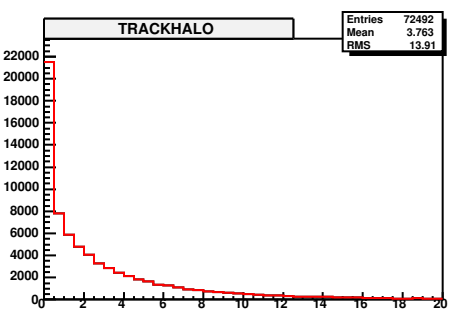


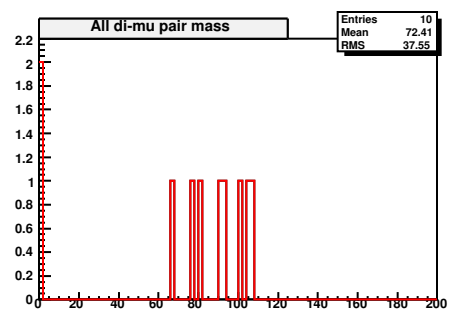


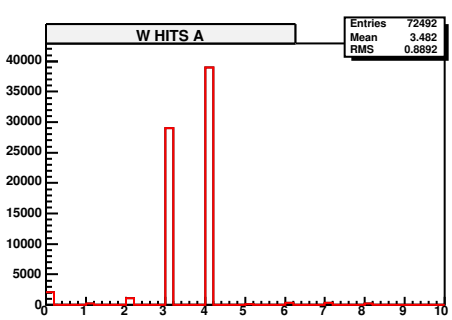


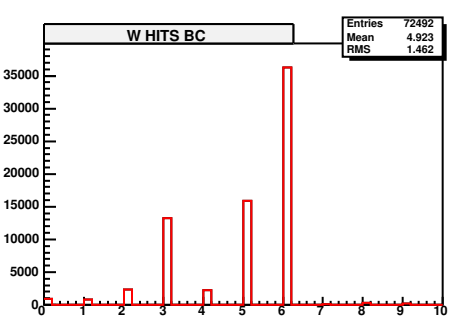


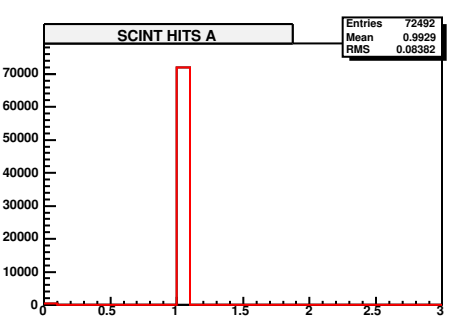


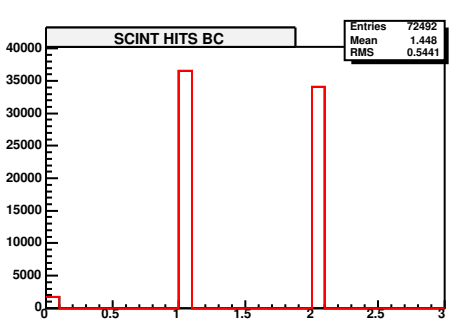




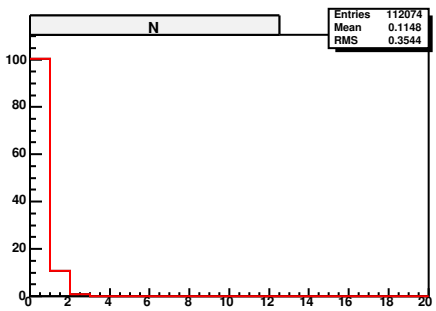


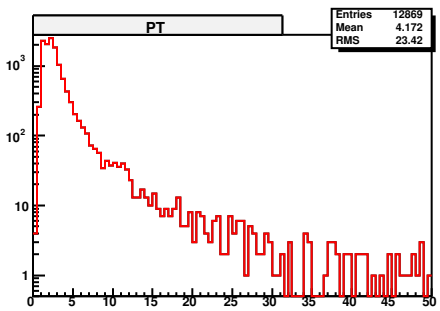


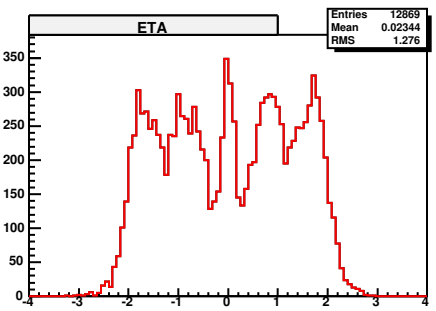


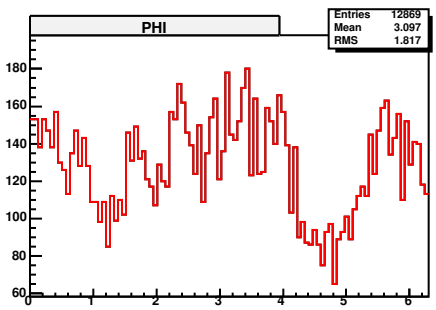


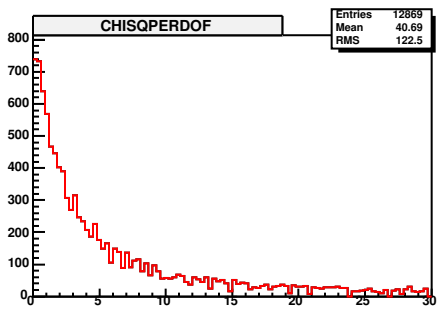
Muons (Matched)

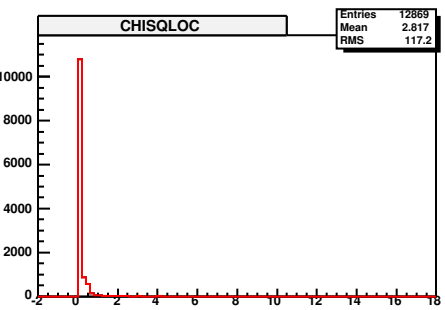

N
Entries 112074
Mean 0.1148
RMS 0.3544

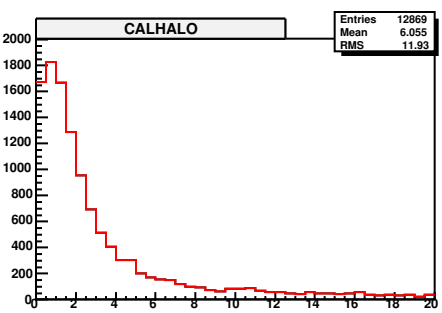

PT
Entries 12869
Mean 4.172
RMS 23.42

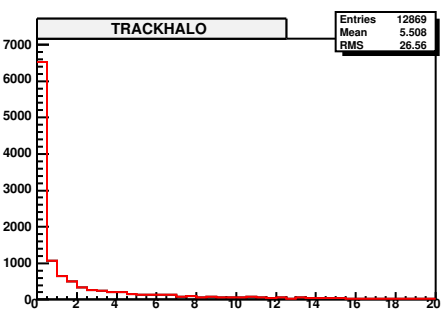

ETA
Entries 12869
Mean 0.02344
RMS 1.276

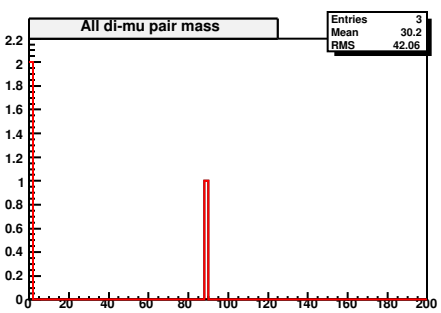

PHI
Entries 12869
Mean 3.097
RMS 1.817

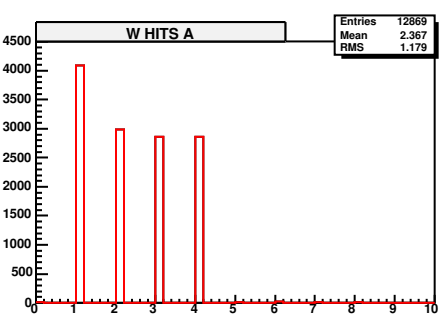

CHISQPERDOF
Entries 12869
Mean 40.69
RMS 122.5

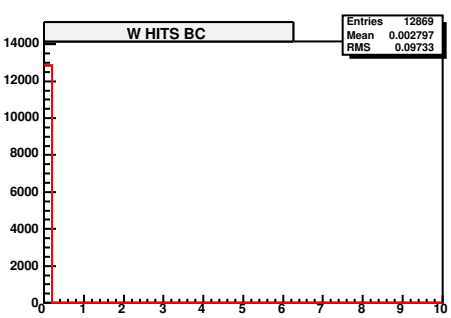

CHISQLOC
Entries 12869
Mean 2.817
RMS 117.2

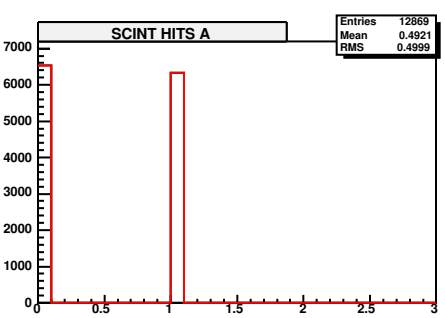

CALHALO
Entries 12869
Mean 6.055
RMS 11.93

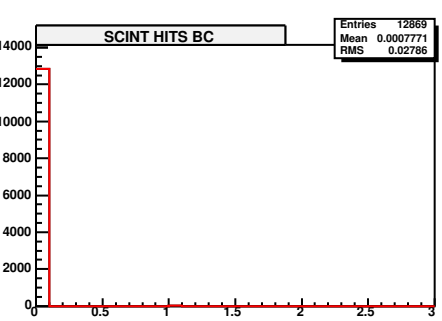

TRACKHALO
Entries 12869
Mean 5.508
RMS 26.56


All di-mu pair mass
Entries 3
Mean 30.2
RMS 42.06

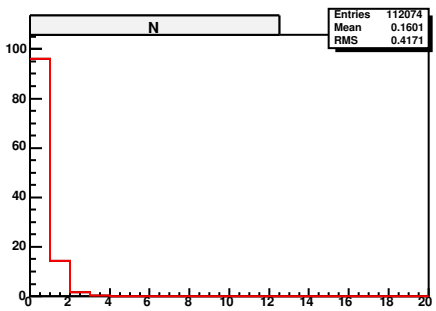

W HITS A
Entries 12869
Mean 2.367
RMS 1.179

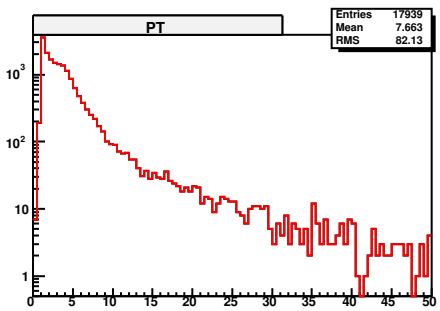

W HITS BC
Entries 12869
Mean 0.002797
RMS 0.09733

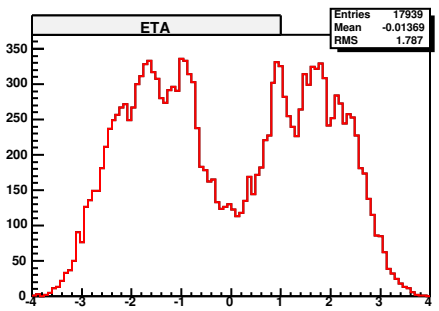

SCINT HITS A
Entries 12869
Mean 0.4921
RMS 0.4999

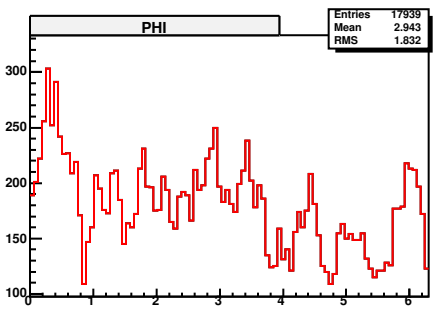

SCINT HITS BC
Entries 12869
Mean 0.0007771
RMS 0.02786

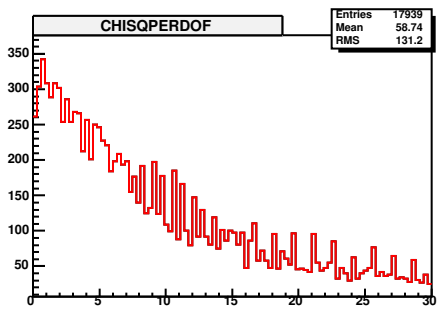
Muons (Astub)

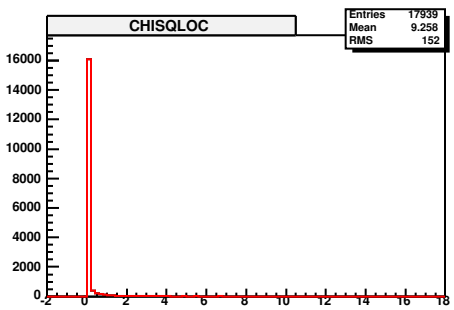


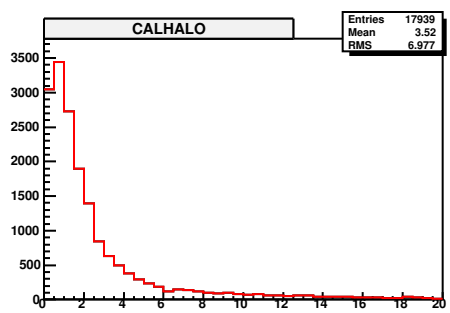


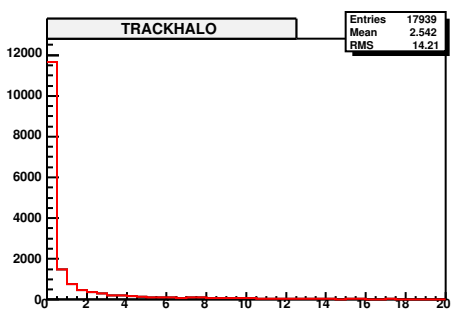


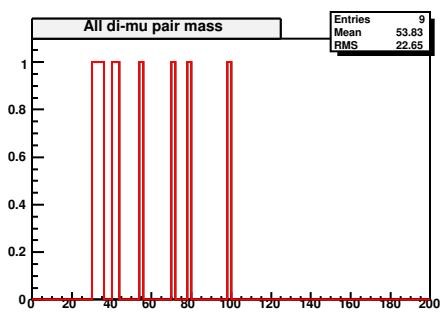


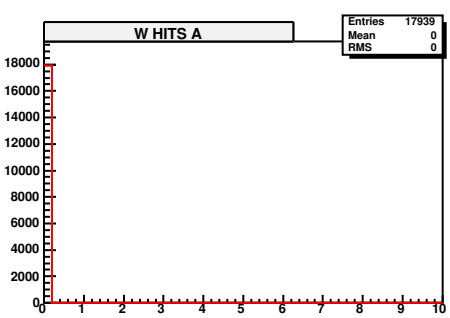


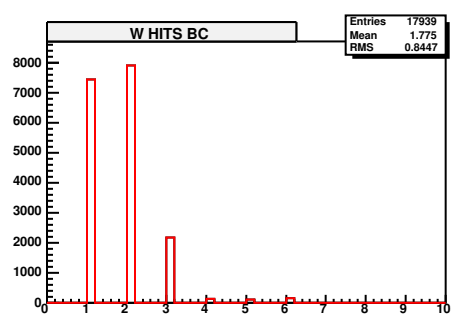


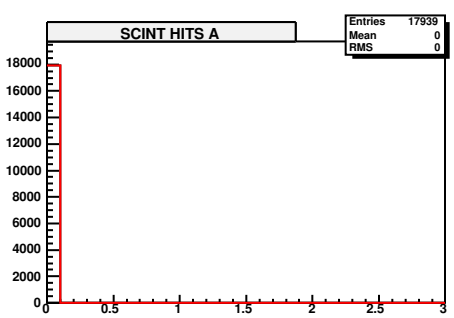


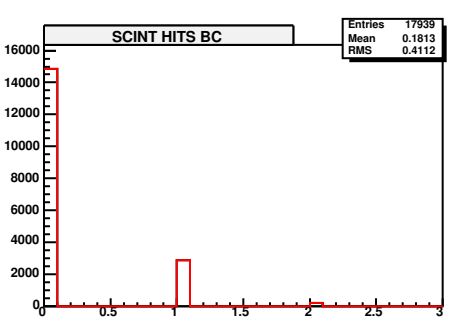




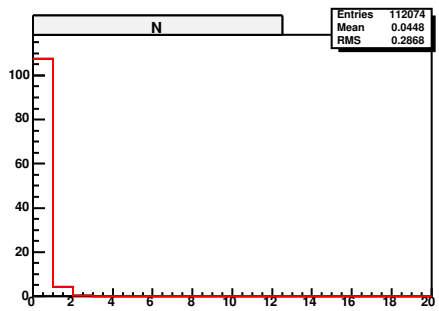


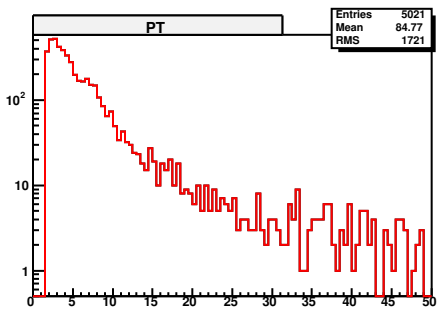


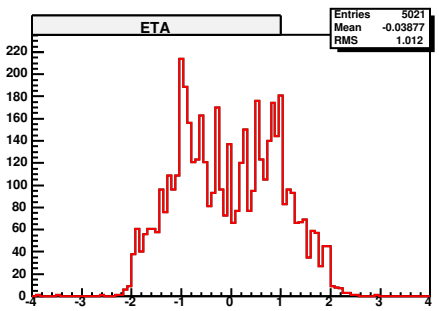


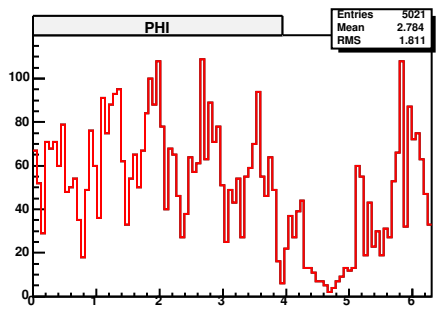


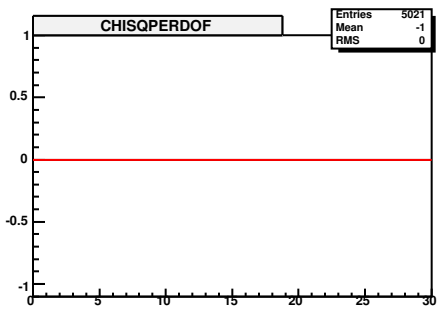
Muons (BCstub)

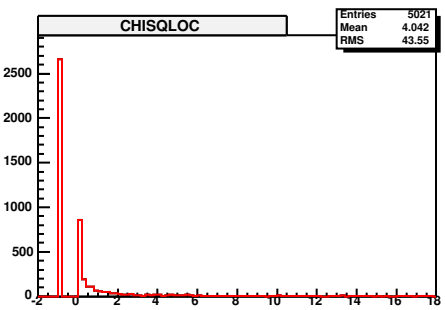


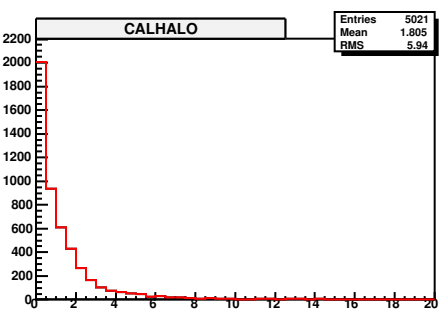


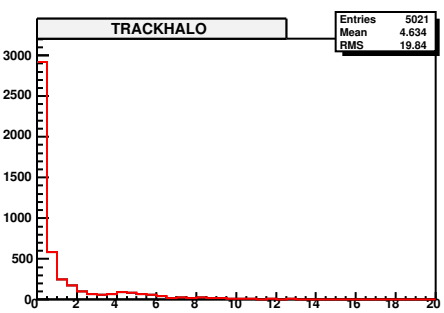


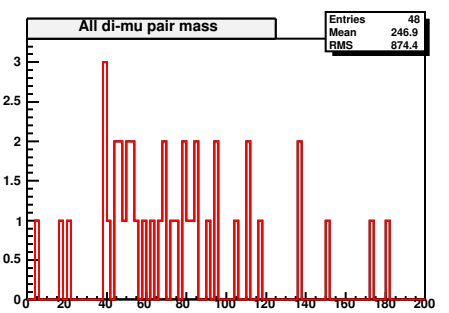


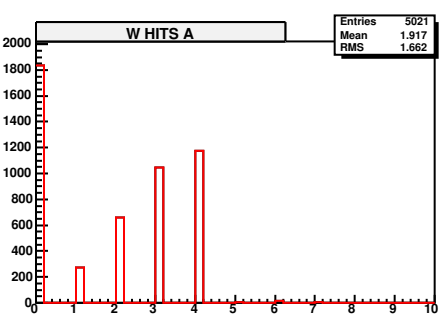


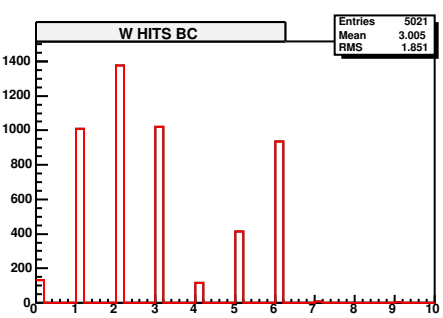


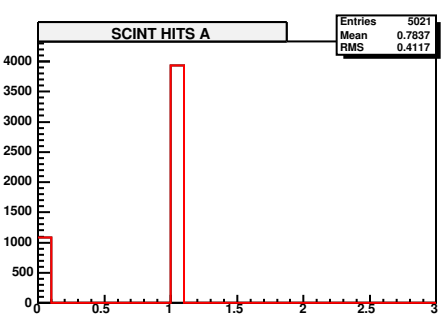


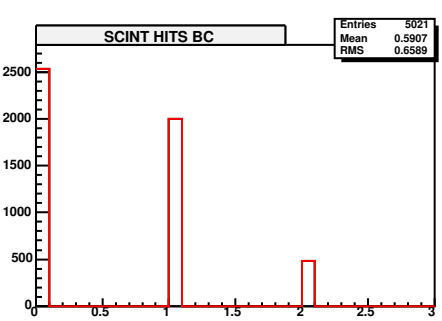




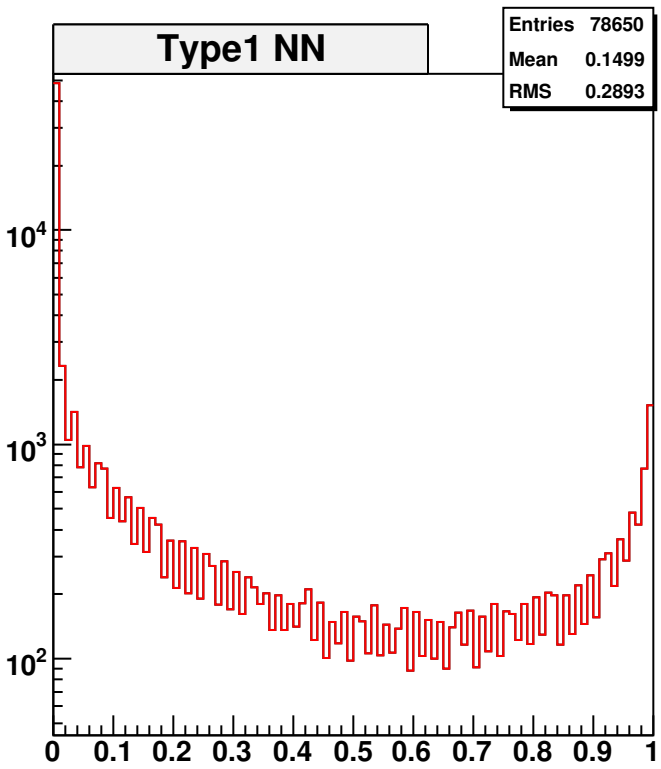


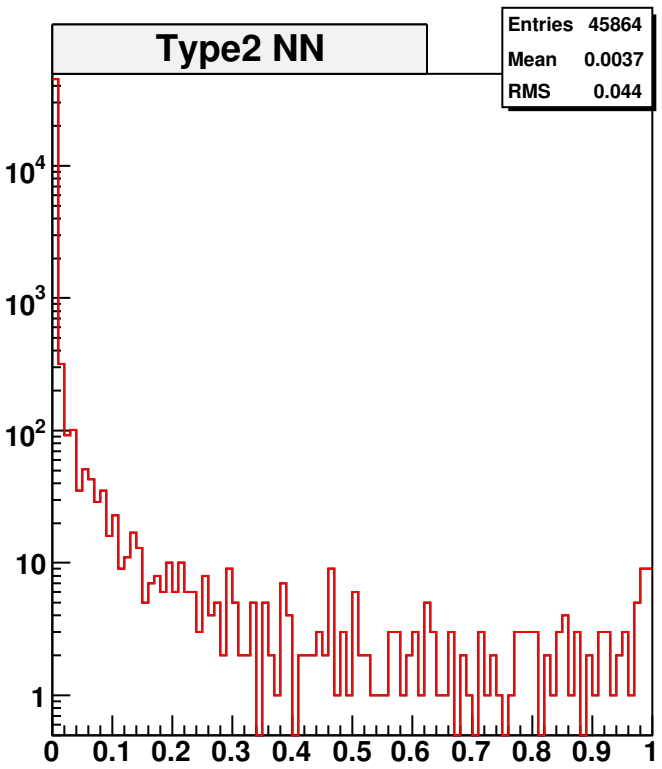


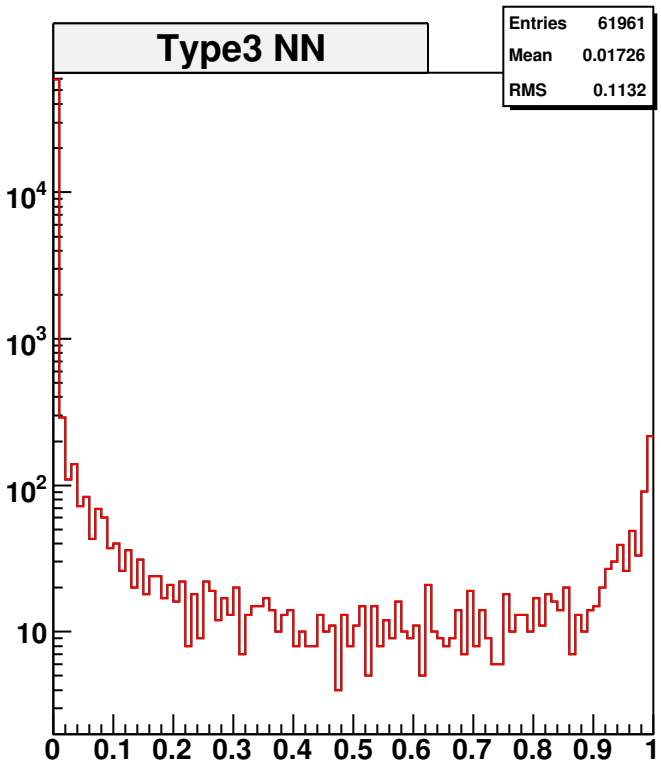


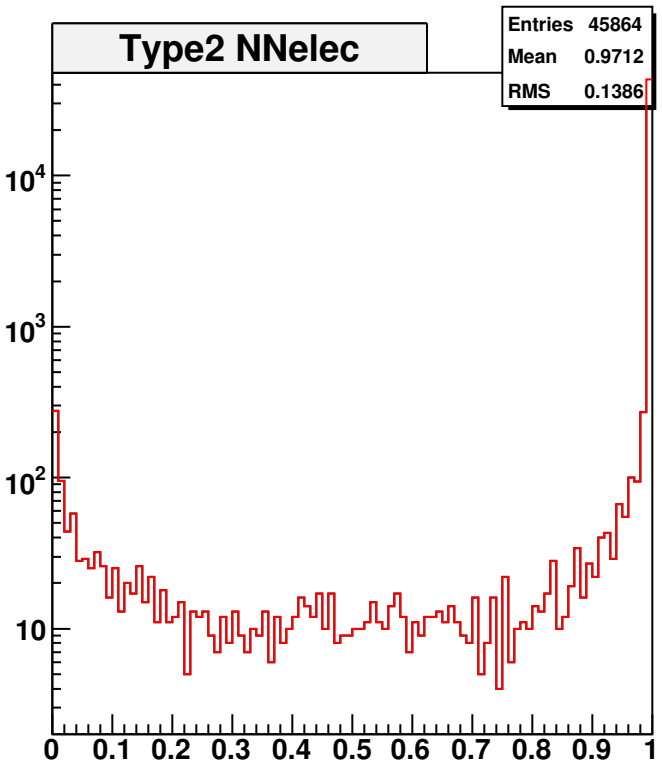


Muons (Unmatched)

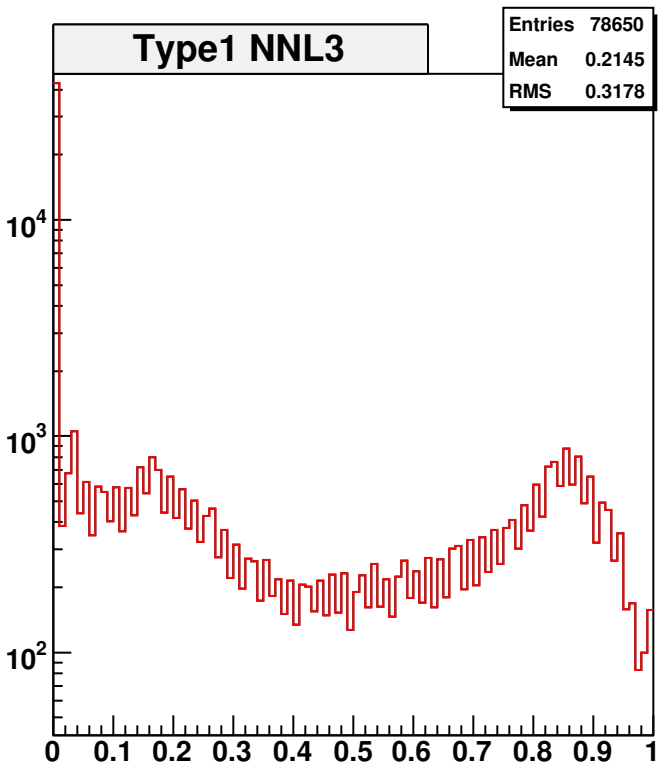


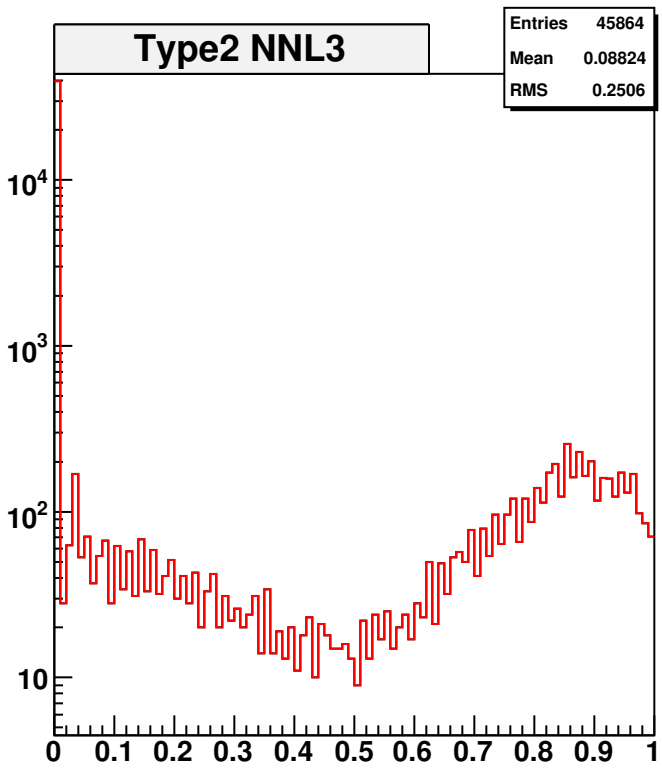


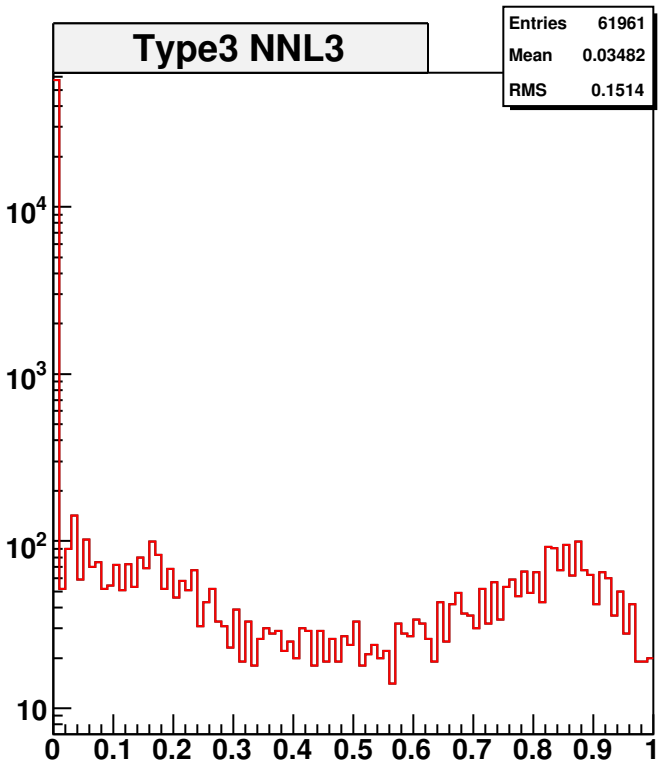


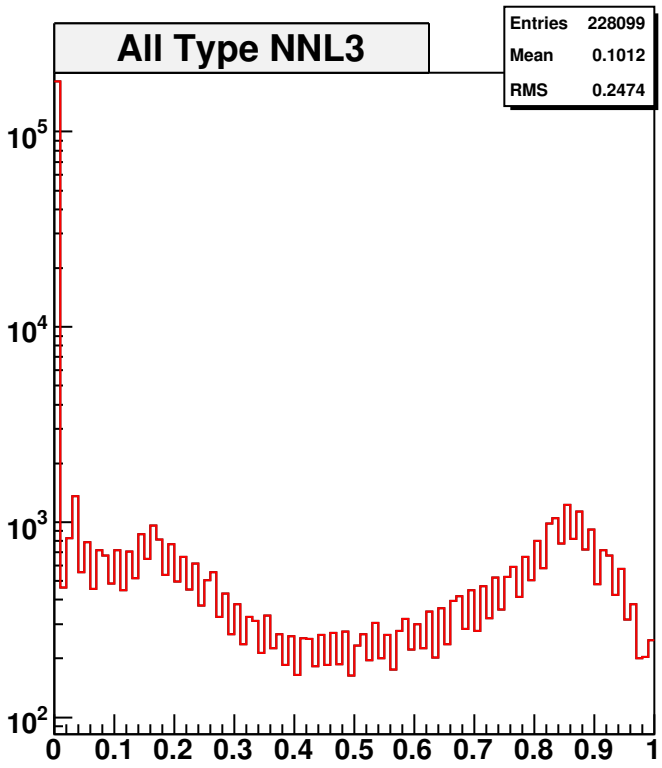


Taus NN (TAU All)

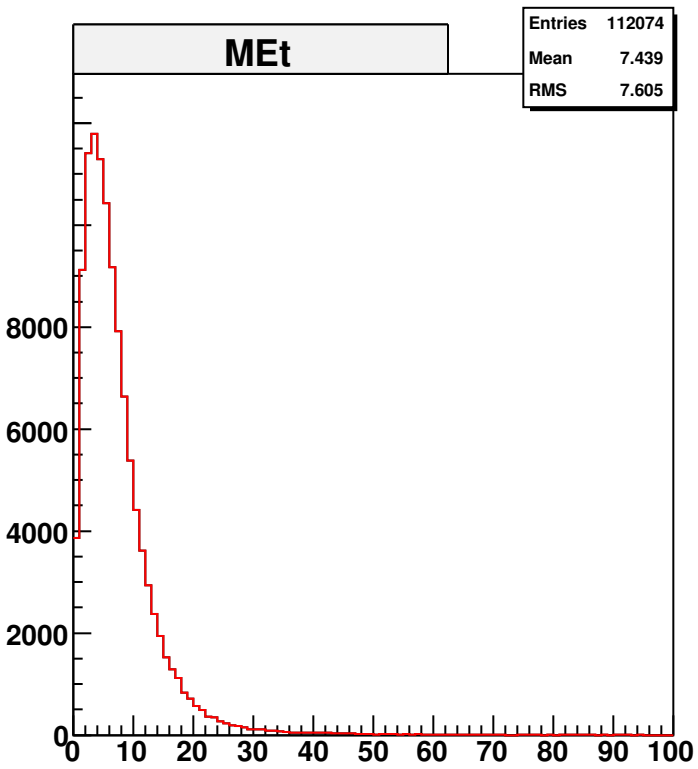


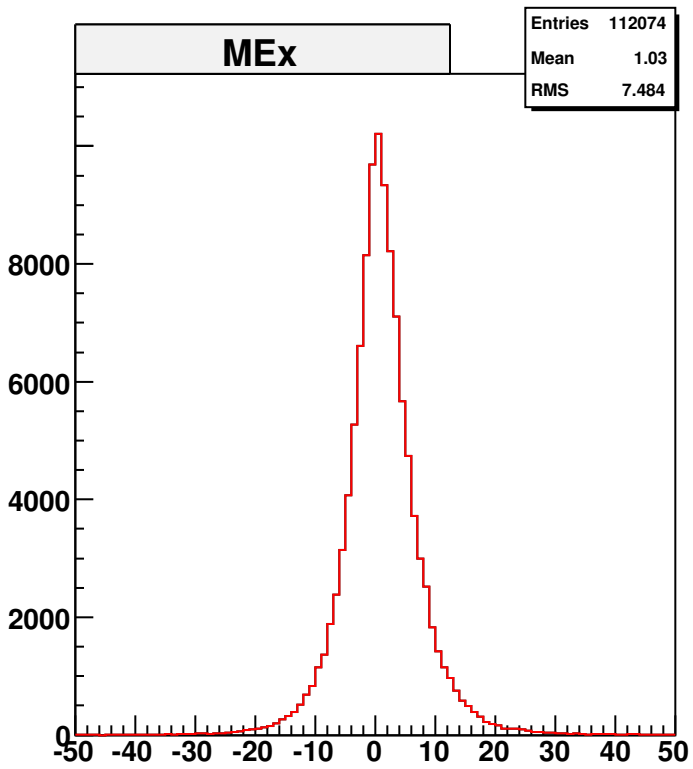






Taus NNL3 (TAU All)


MEt
Entries 112074
Mean 7.439
RMS 7.605
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100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RMS 7.484
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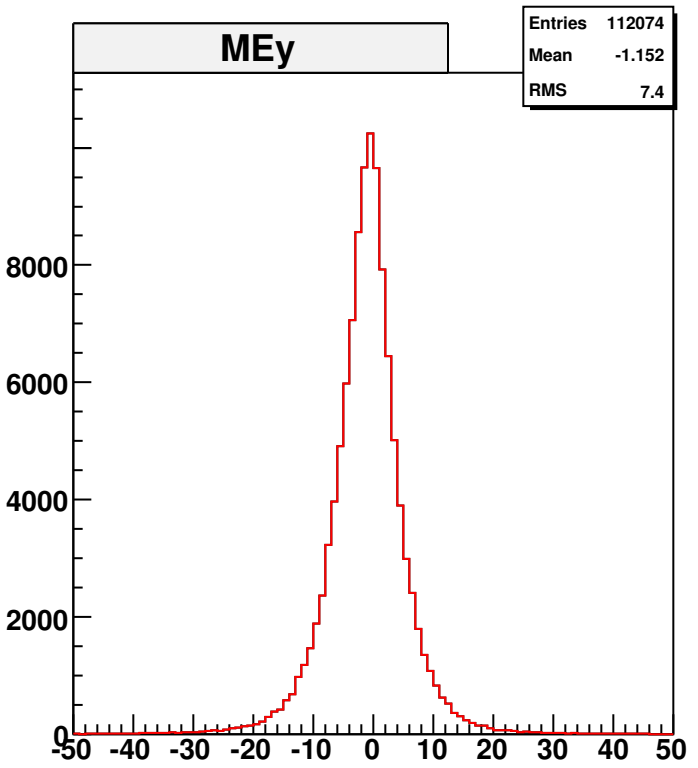
MEy
Entries 112074
Mean -1.152
RMS 7.4
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4000
2000
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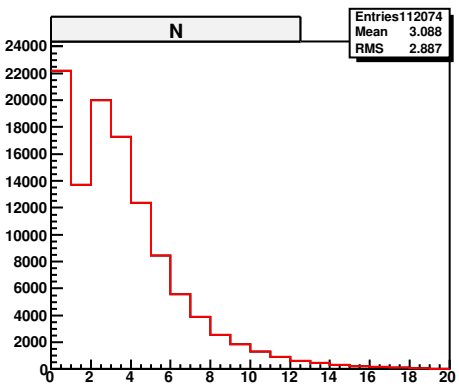
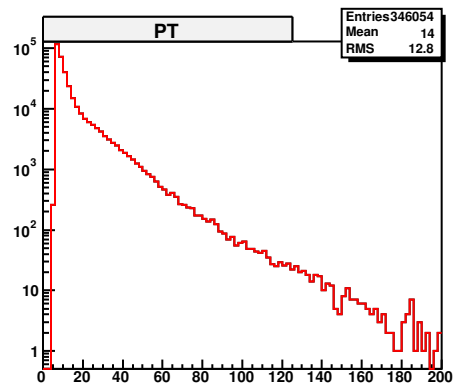
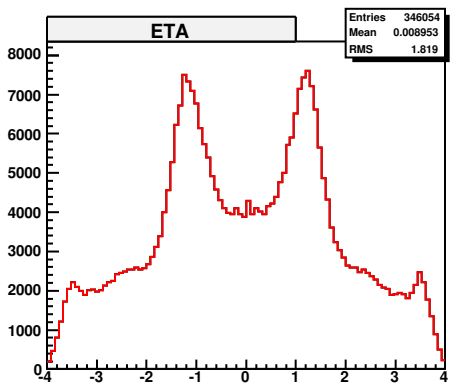
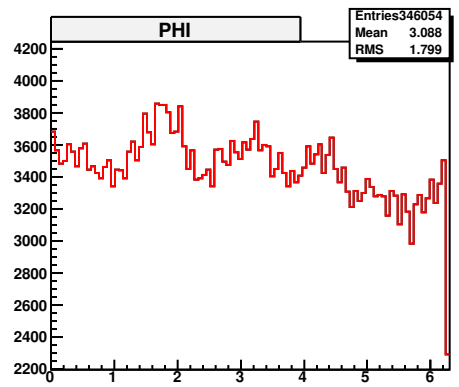
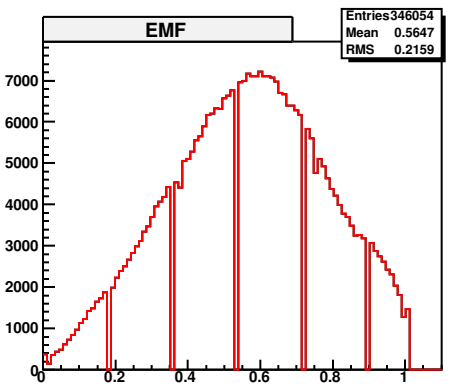
Met (No cuts)

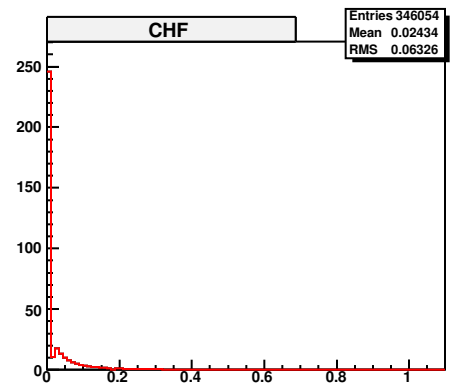


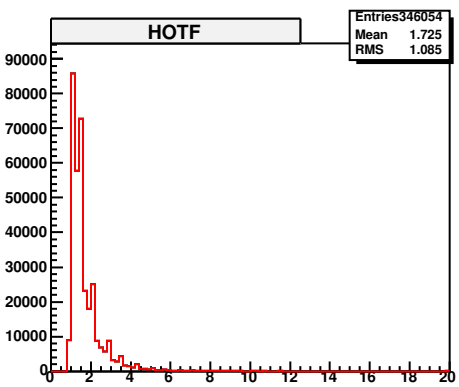


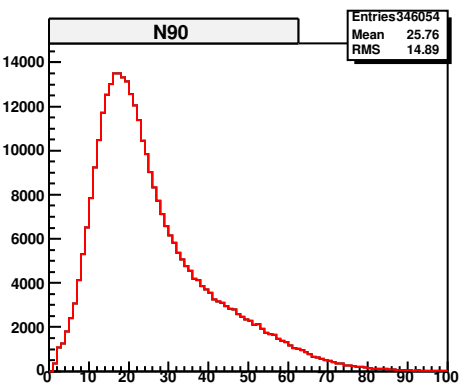


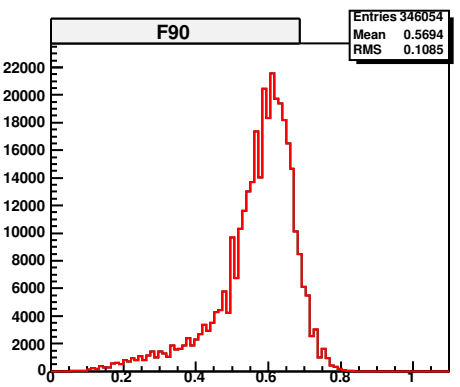


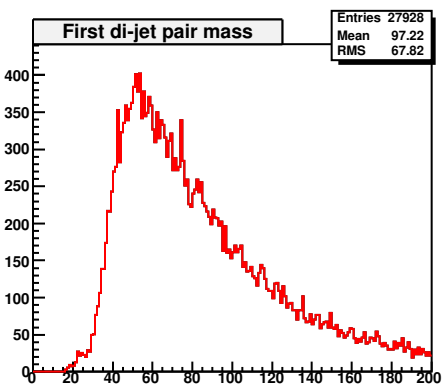


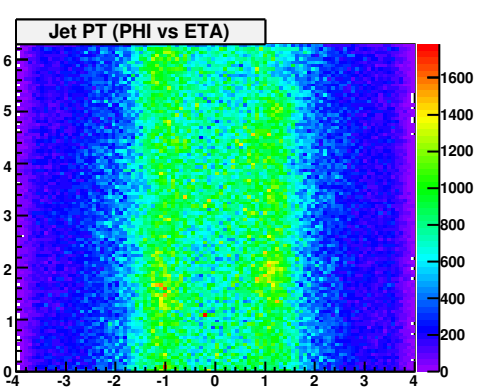




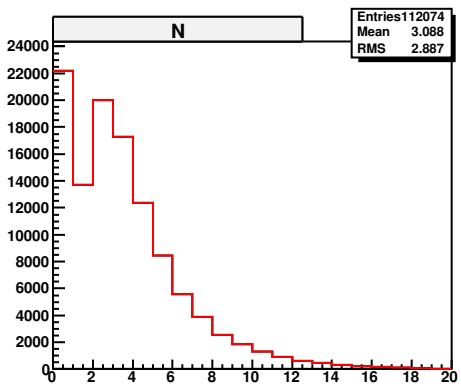


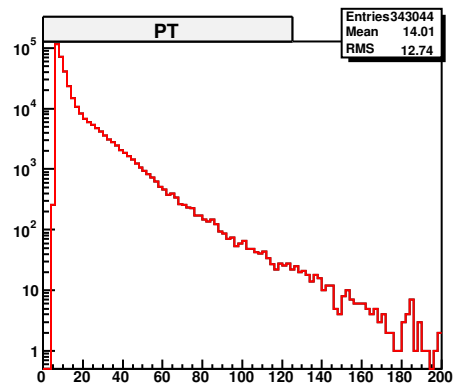


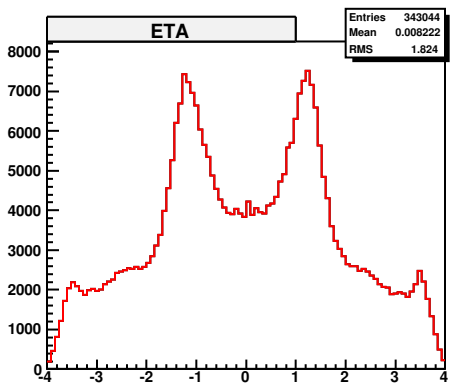


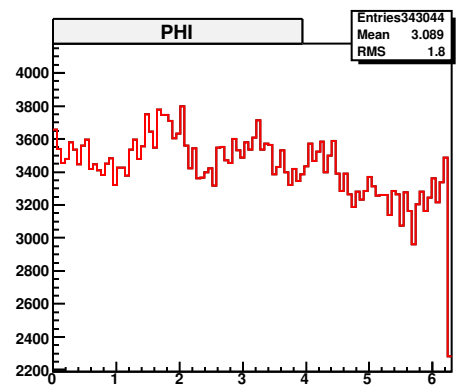


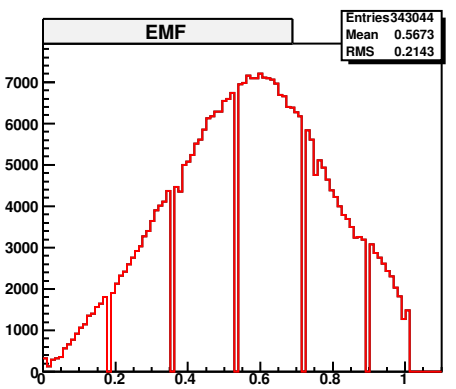
Jets (Cone R 0.7 (no cuts))

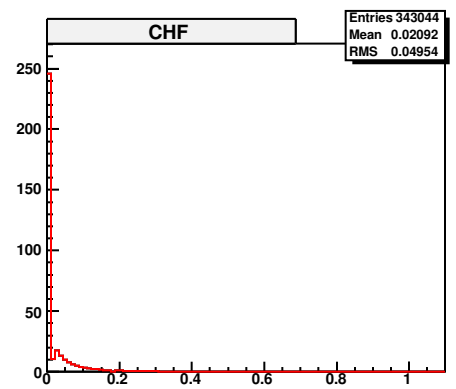


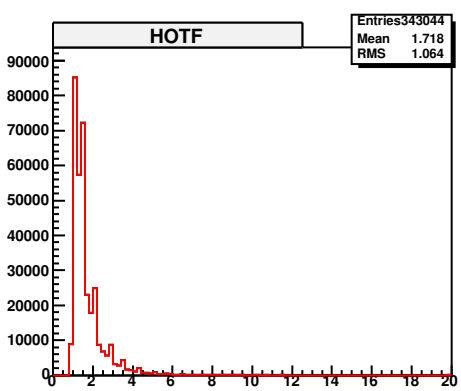


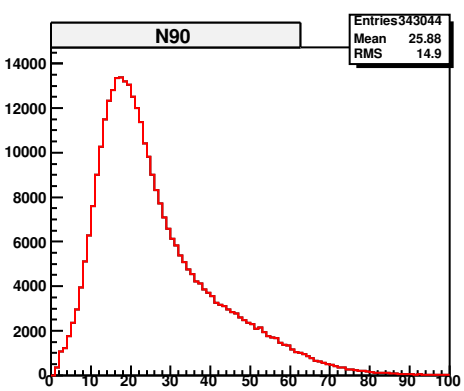


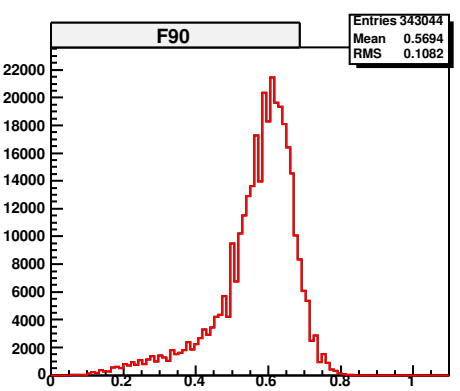


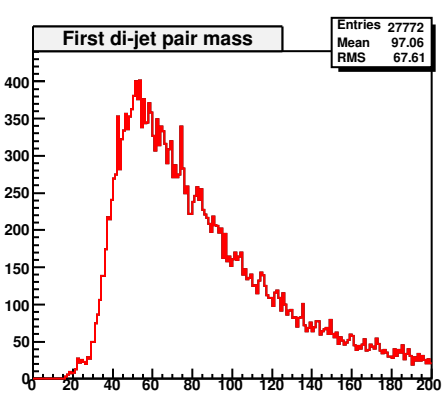


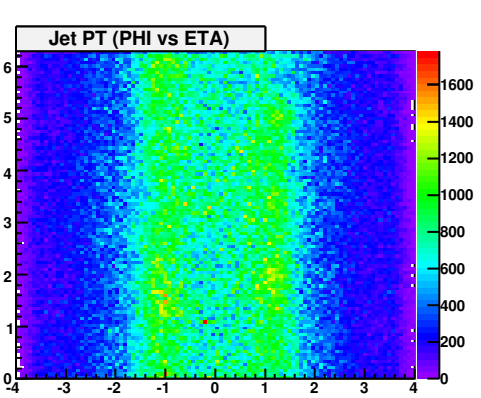




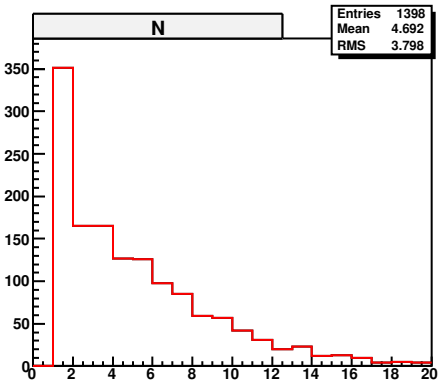


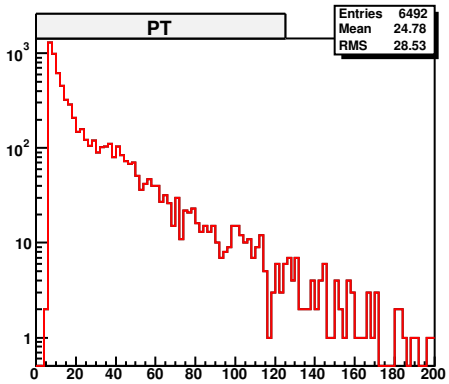


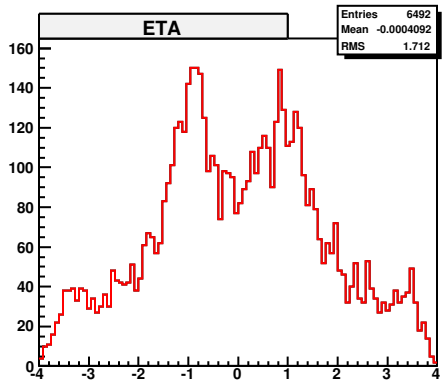


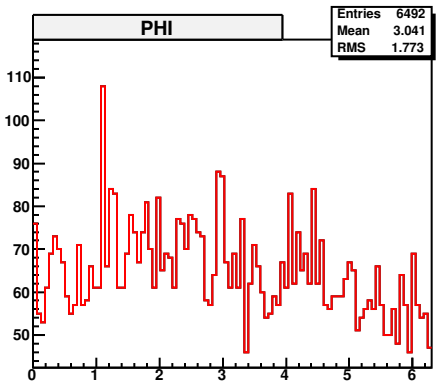


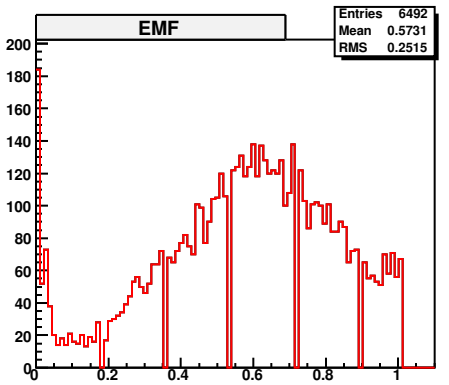
Jets (Cone R 0.7 (standard cuts))

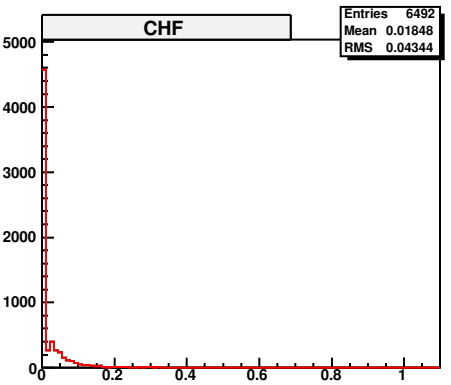


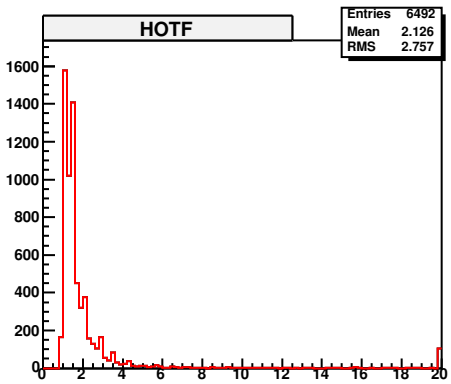


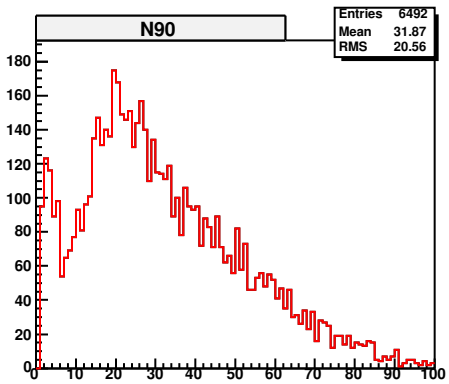


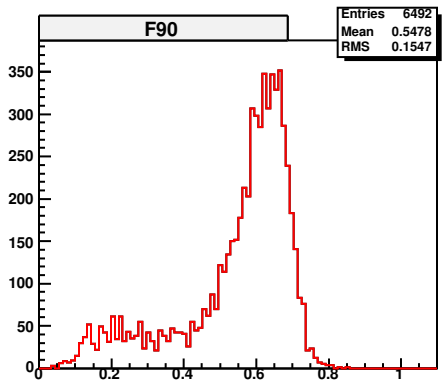


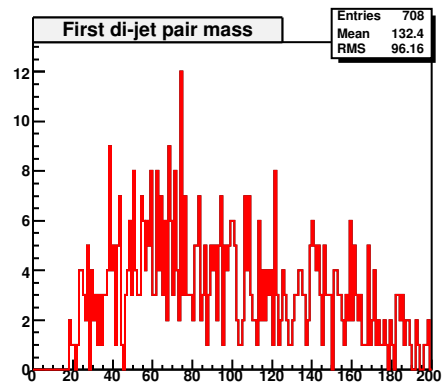


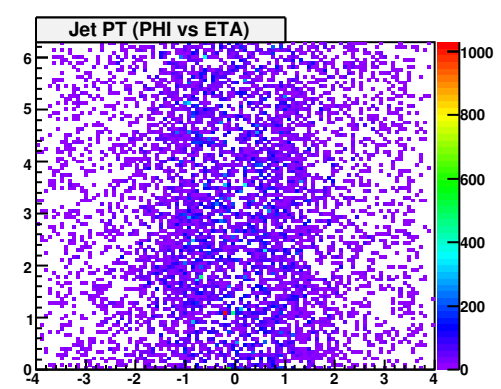




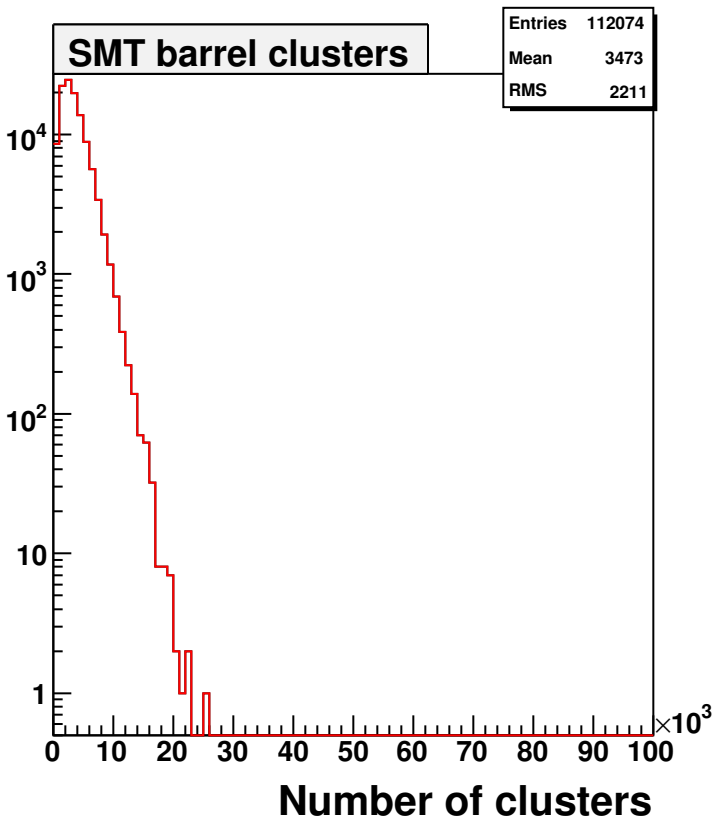


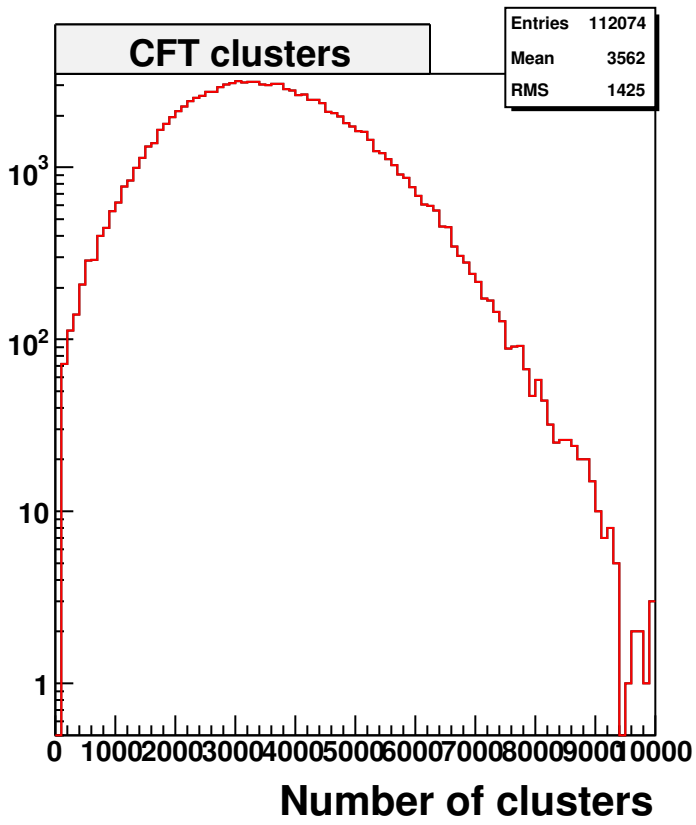


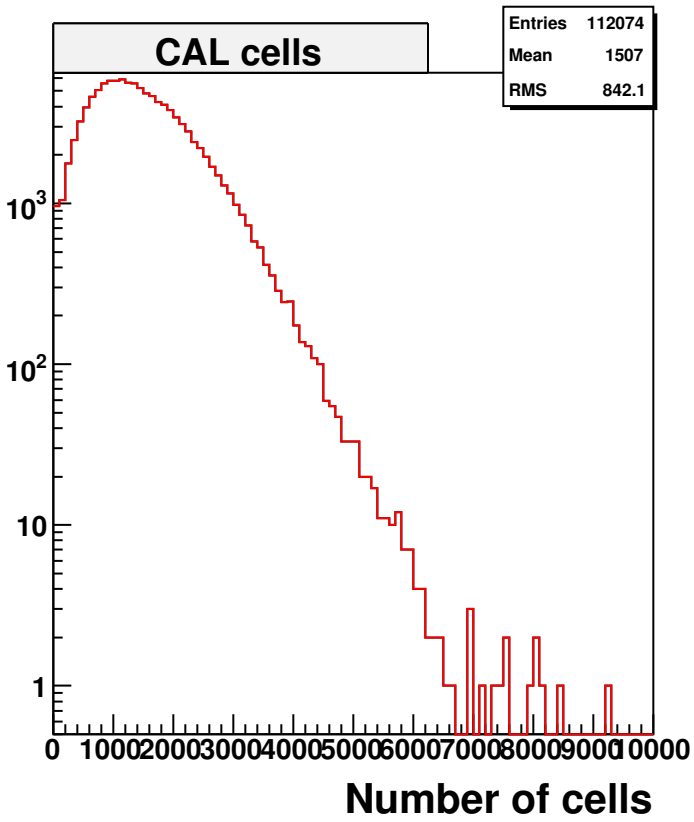


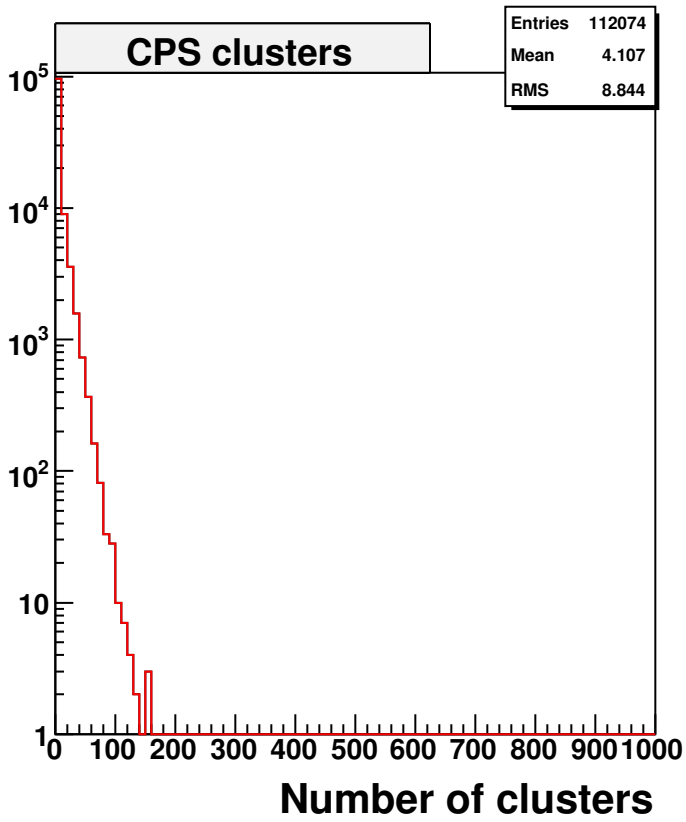


Jets (Cone R 0.7 (standard cuts, MET>30))

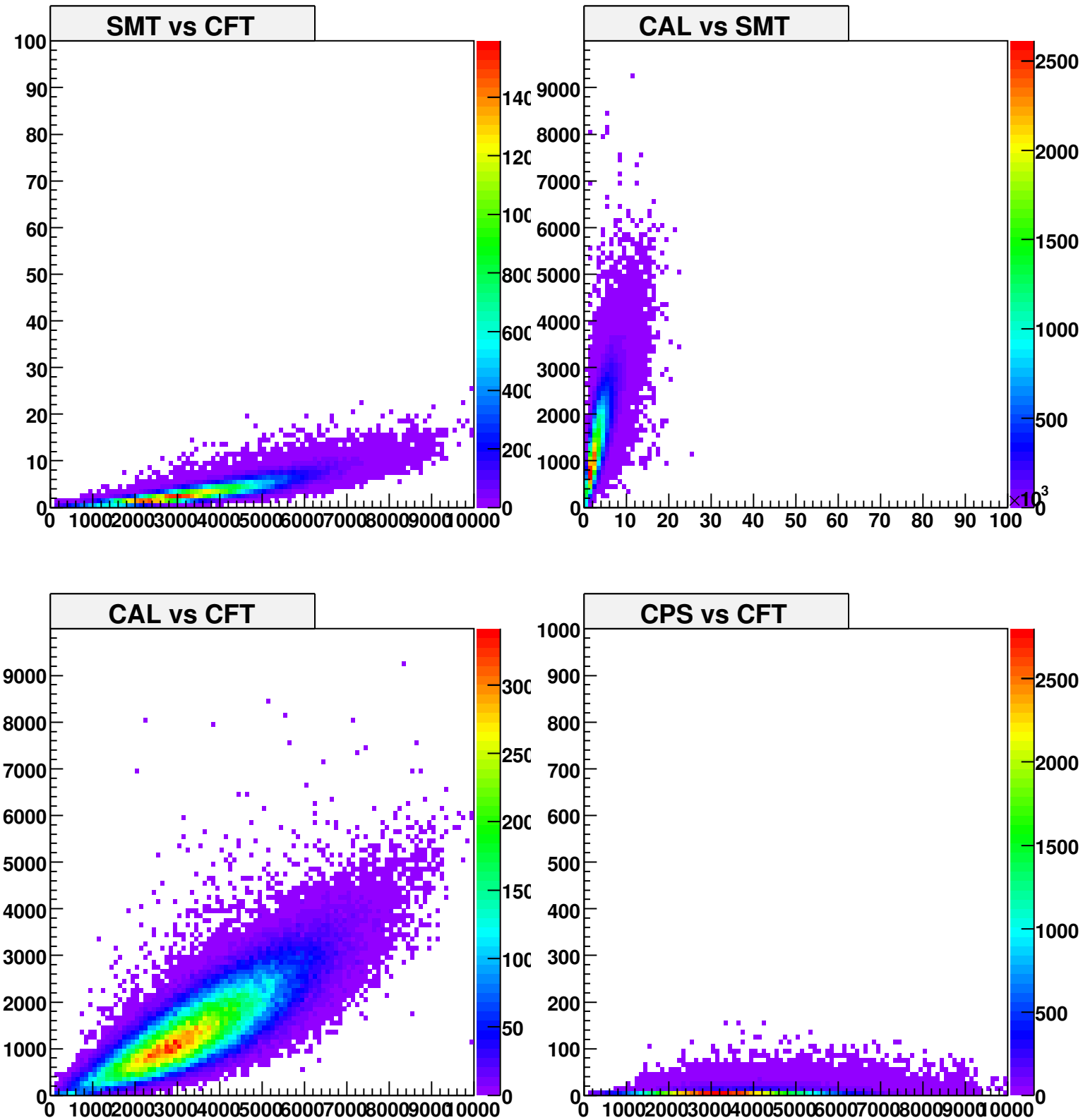


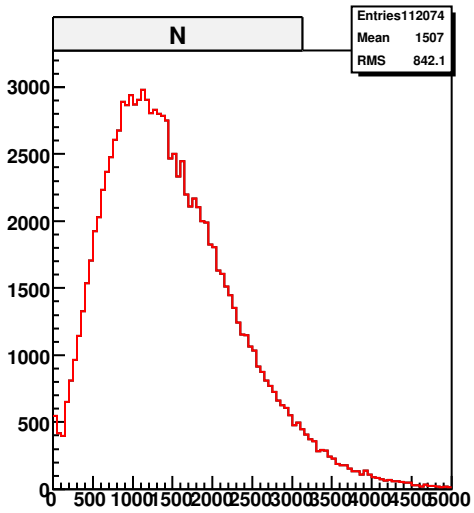


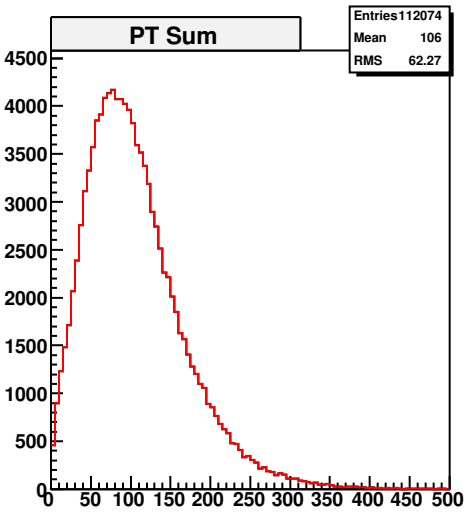


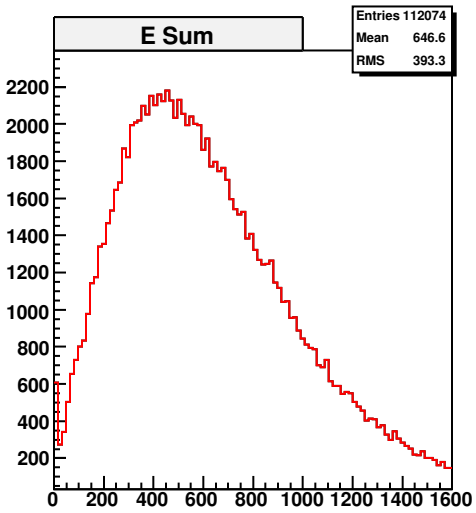


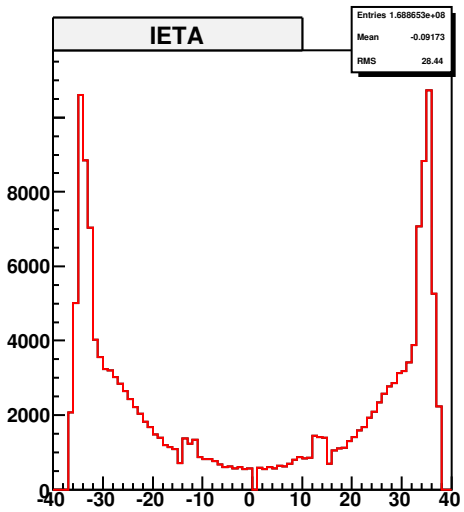
Detector Occupancy (Detector)

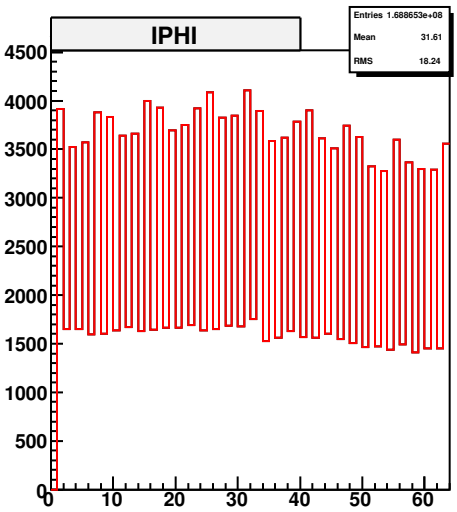

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

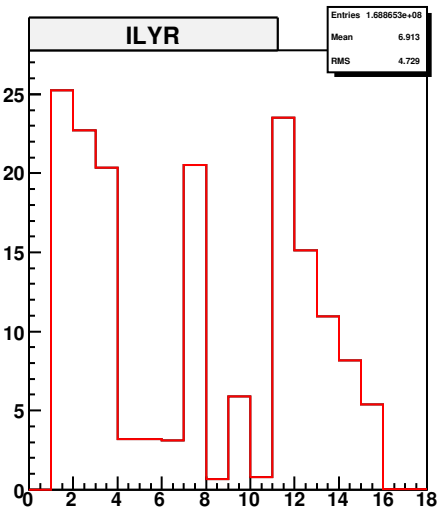


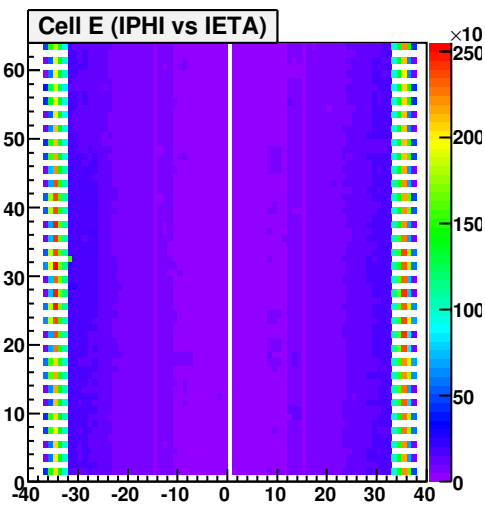


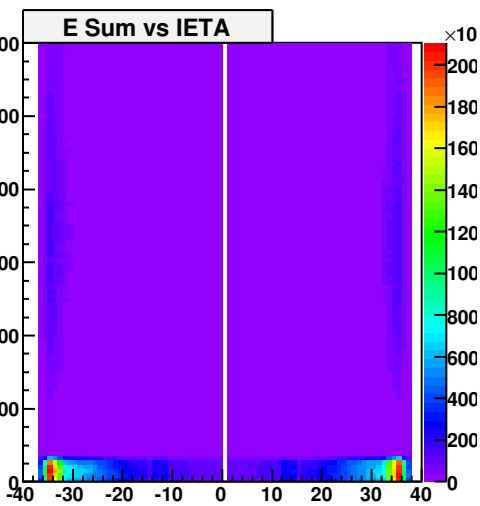


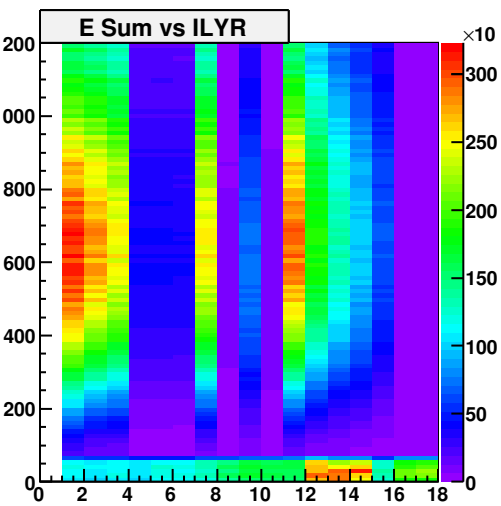




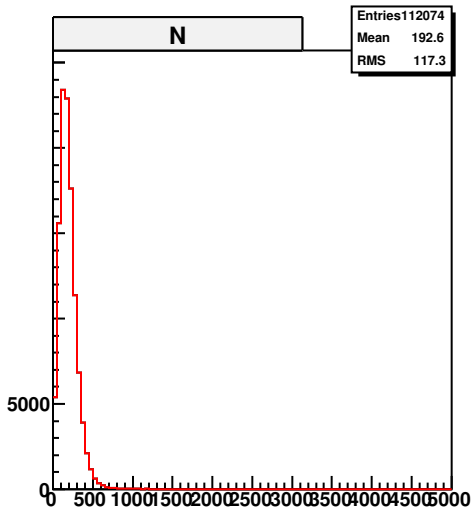


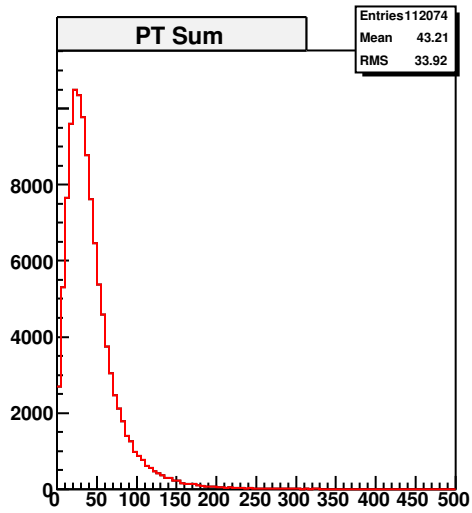


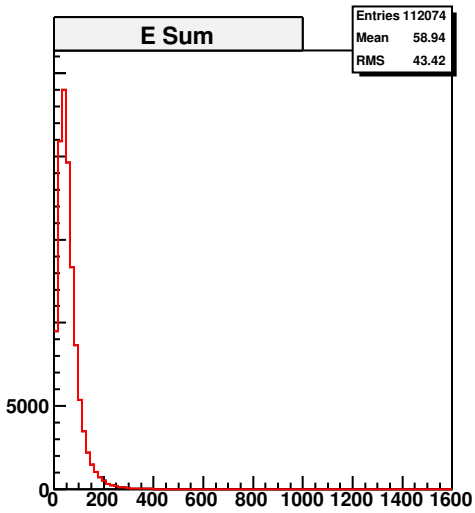


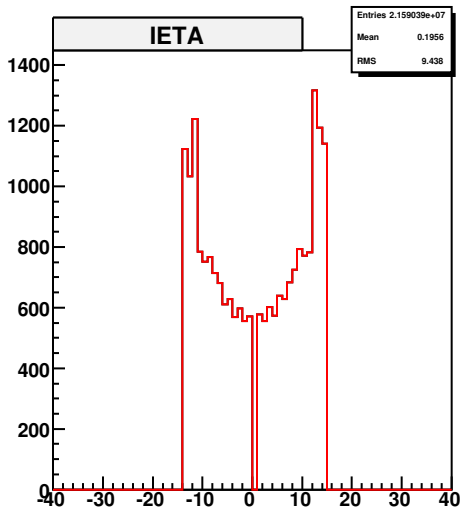


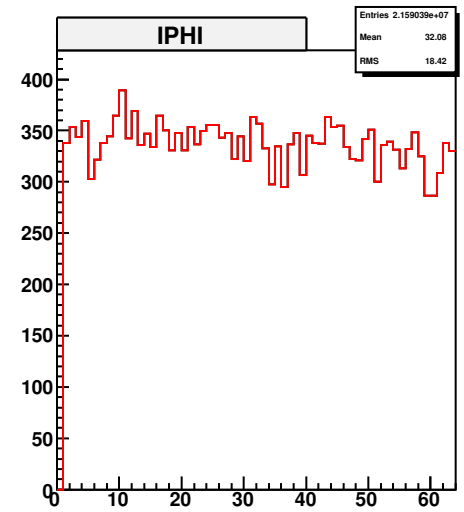
Calorimeter (All cells)

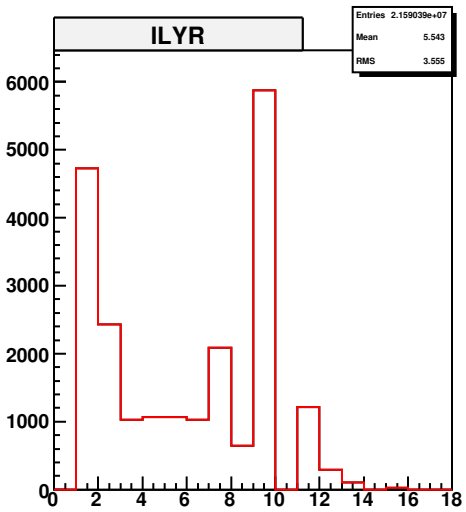


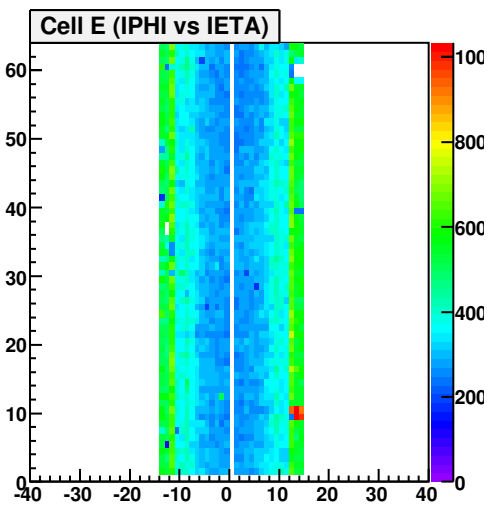


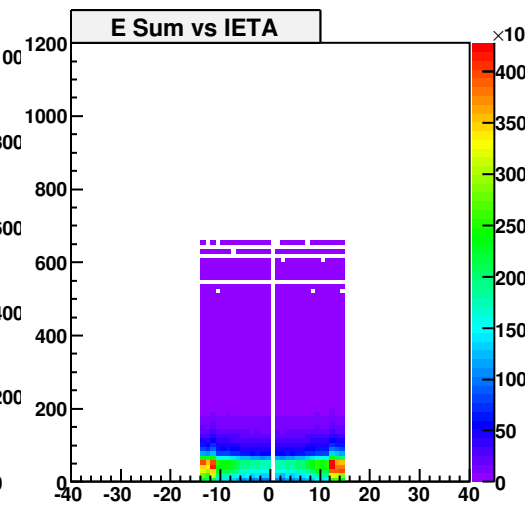


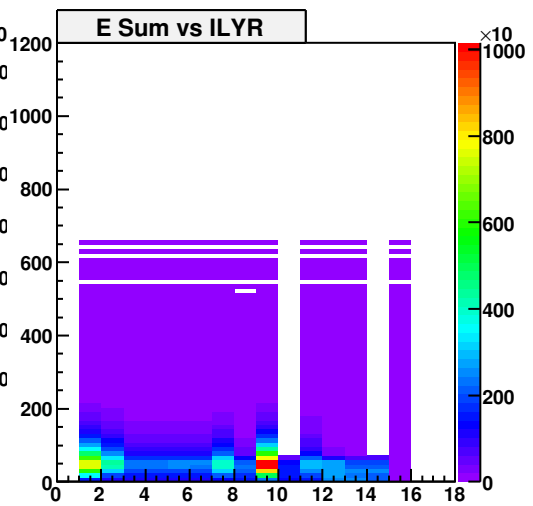




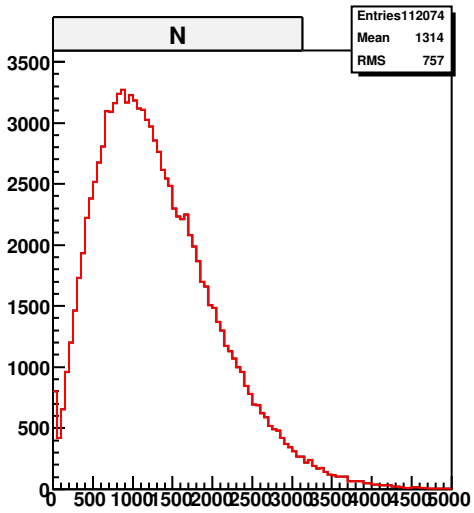


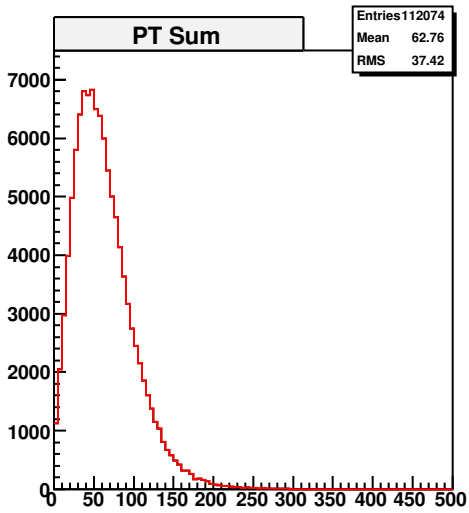


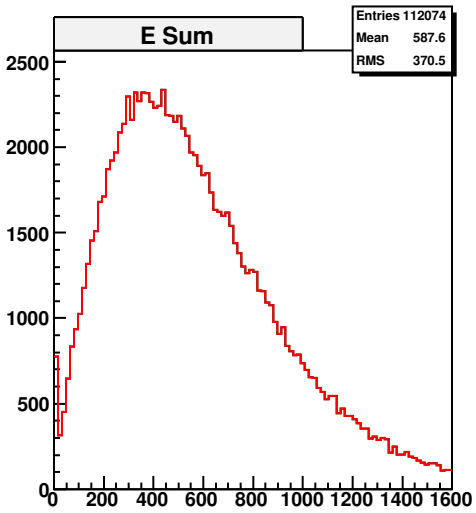


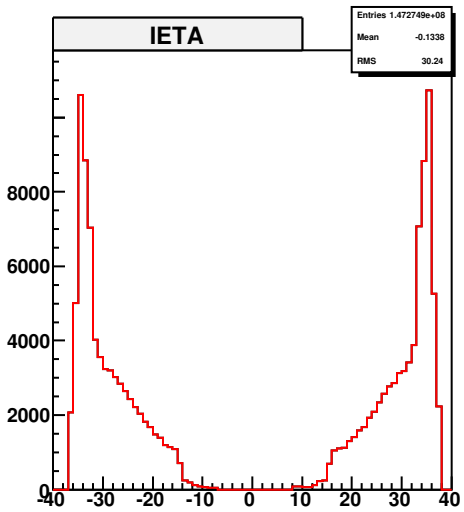


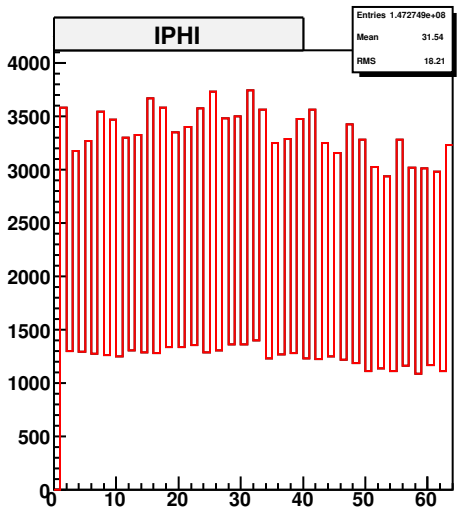
Calorimeter (All CC cells)

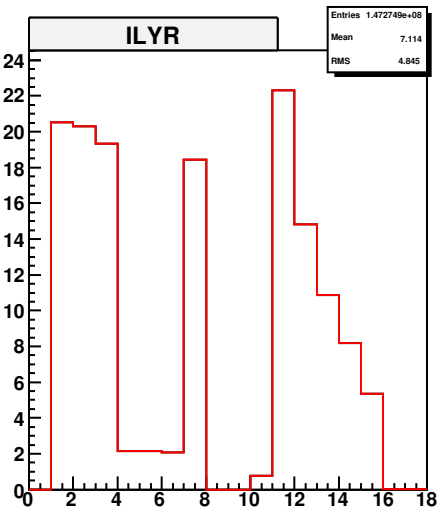


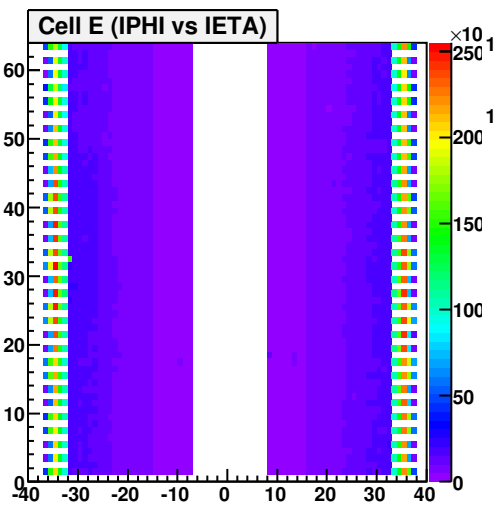


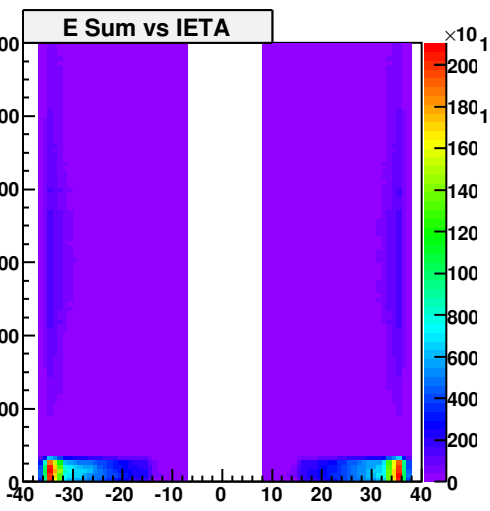


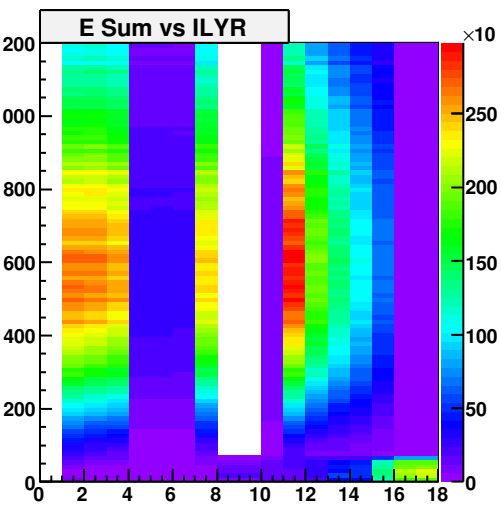




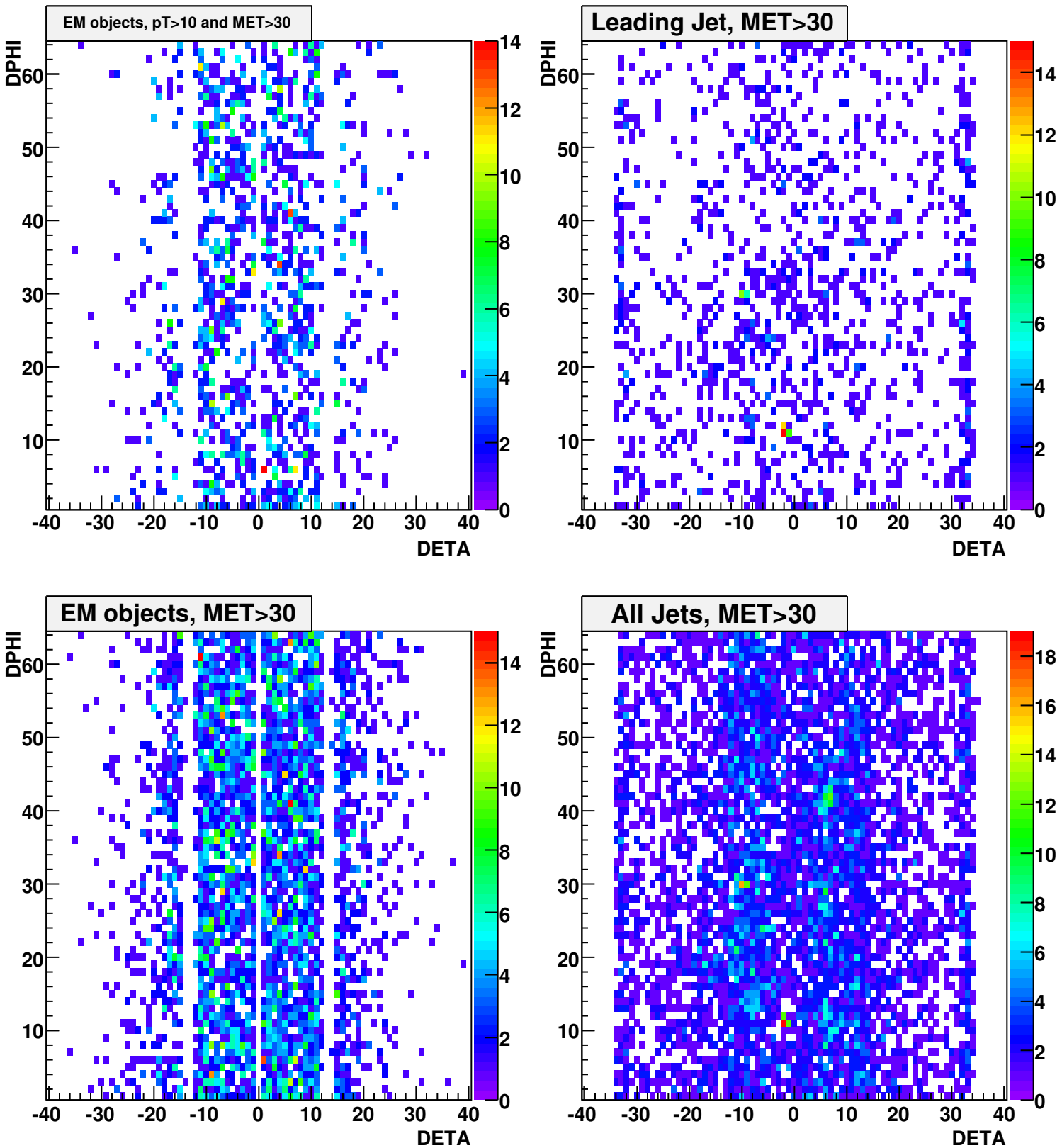




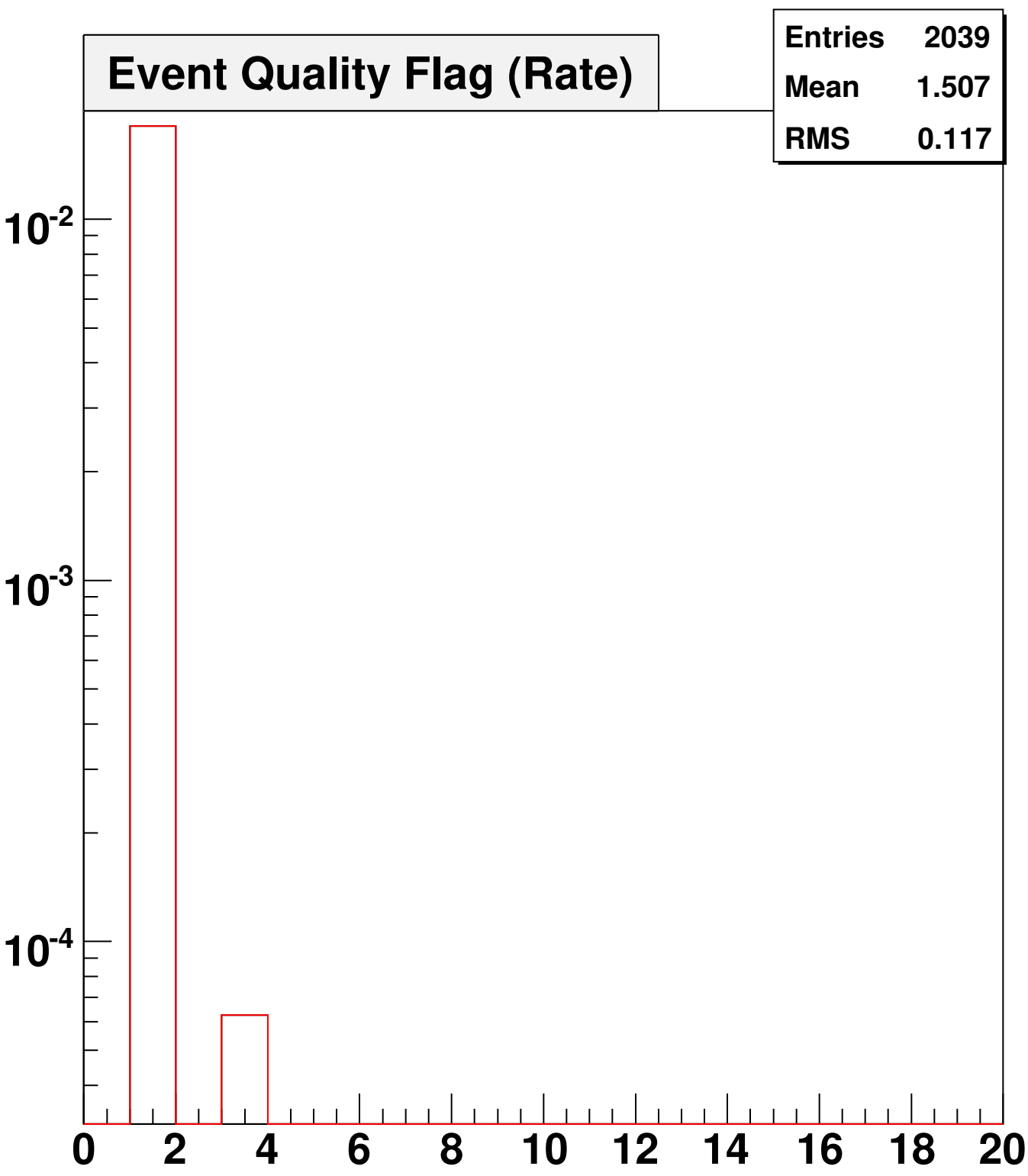


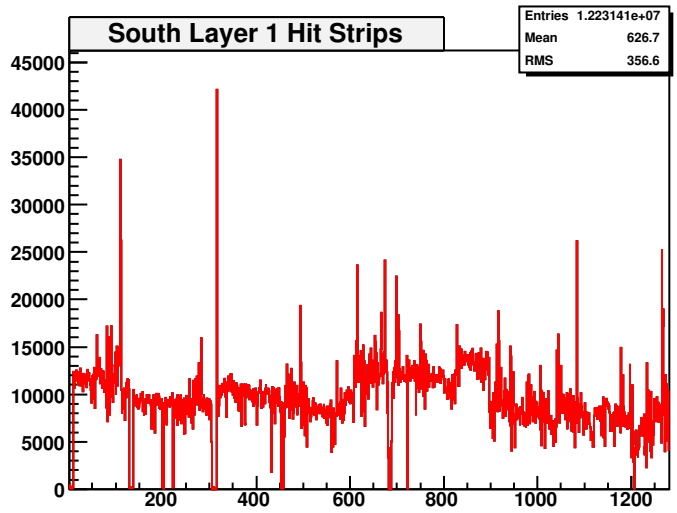


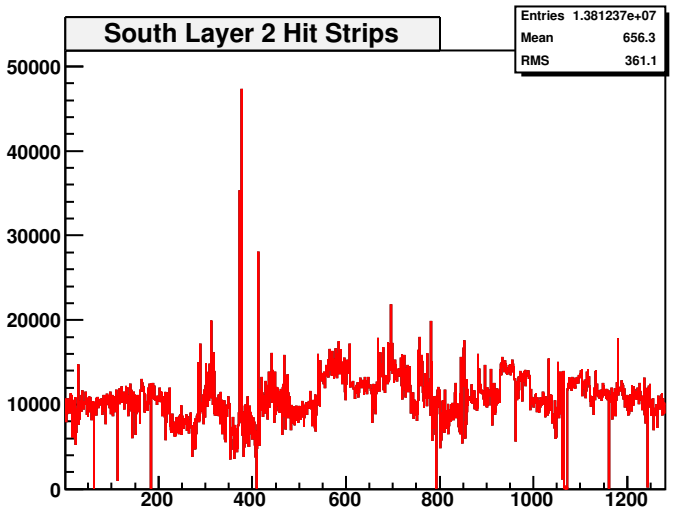
Calorimeter (All EC cells)

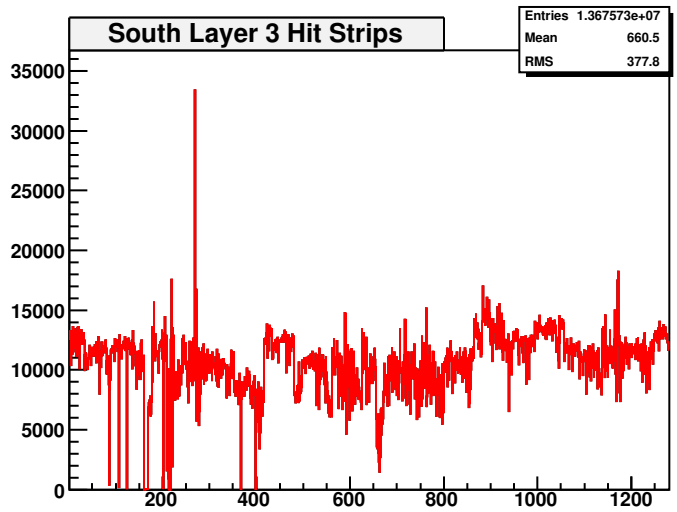


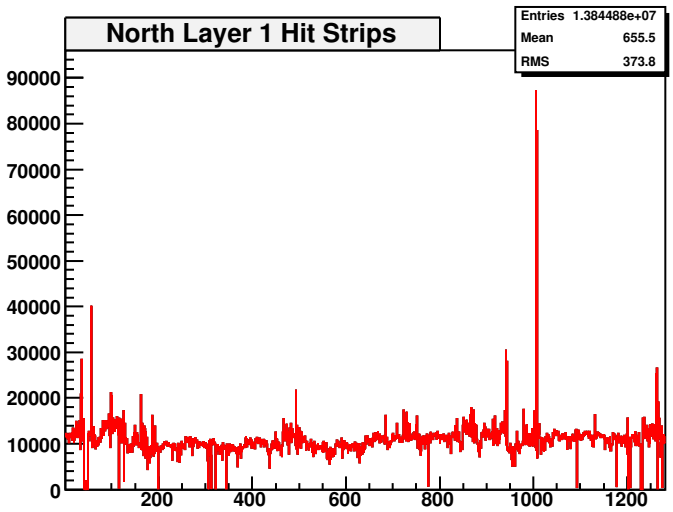
Cal Objects with MET>30 (All cells)

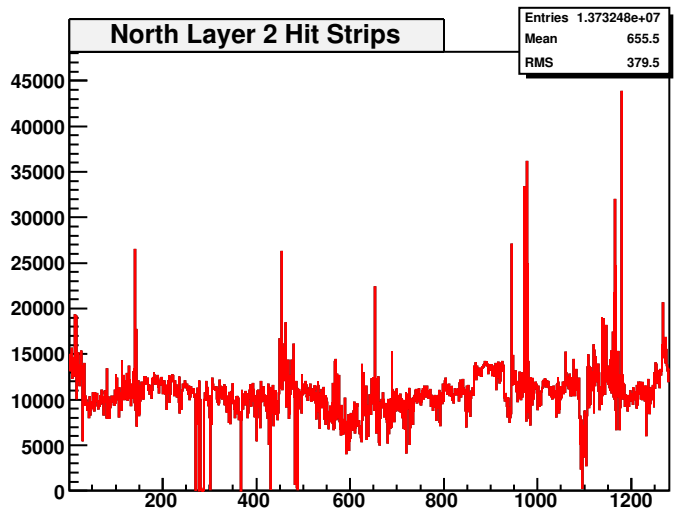

Event Quality Flag (Rate)
Entries 2039
Mean 1.507
RMS 0.117
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

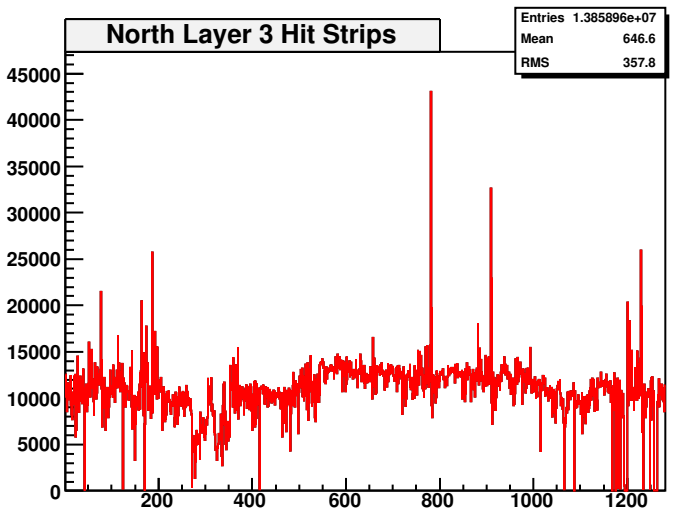




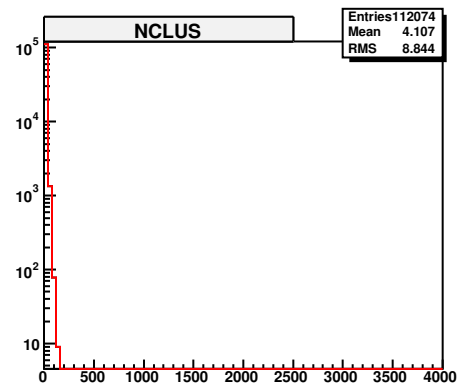


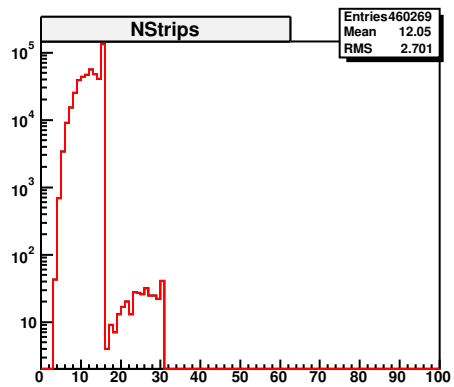


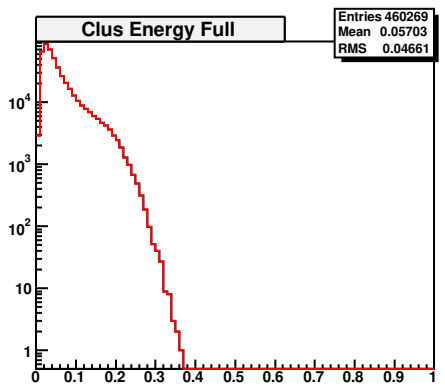


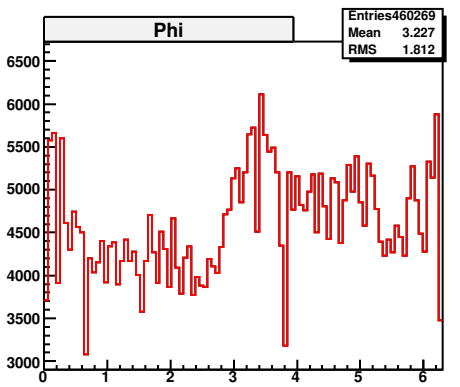


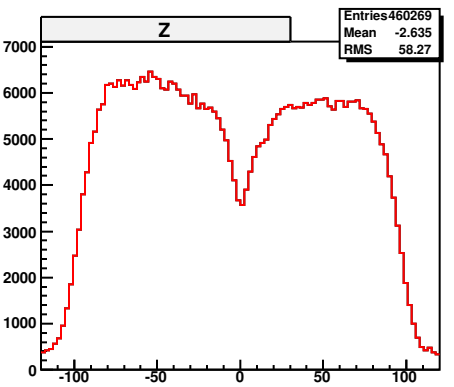
CPS Hit Strips (All Clusters)

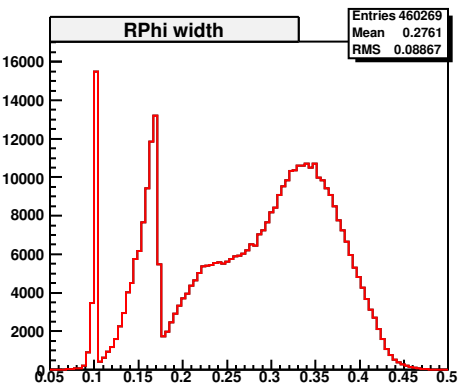


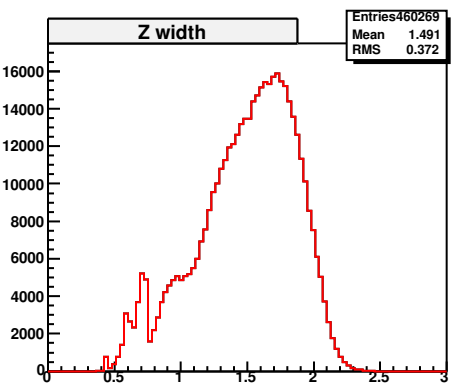


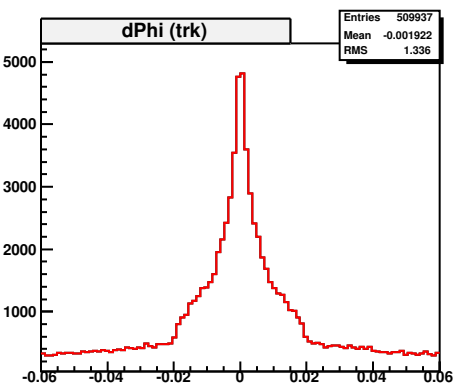


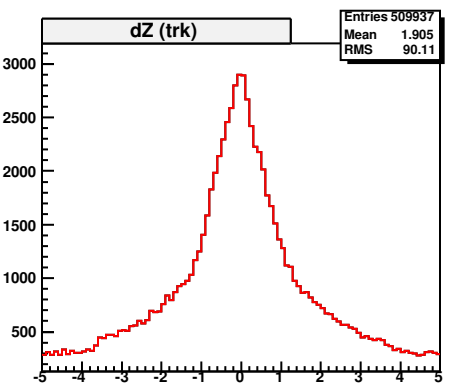


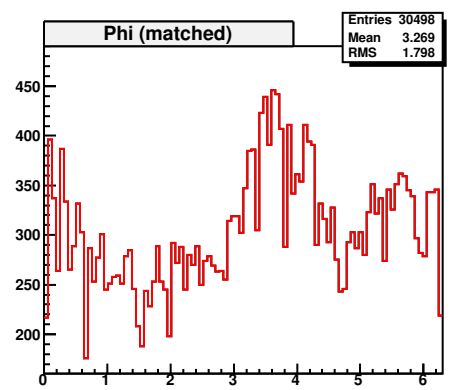


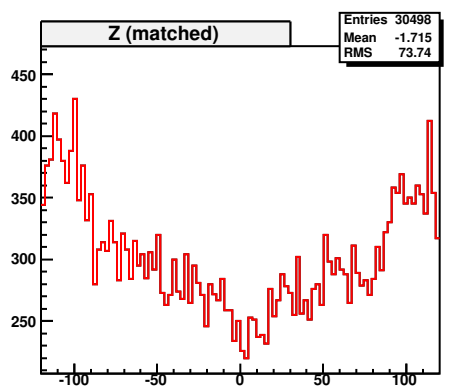




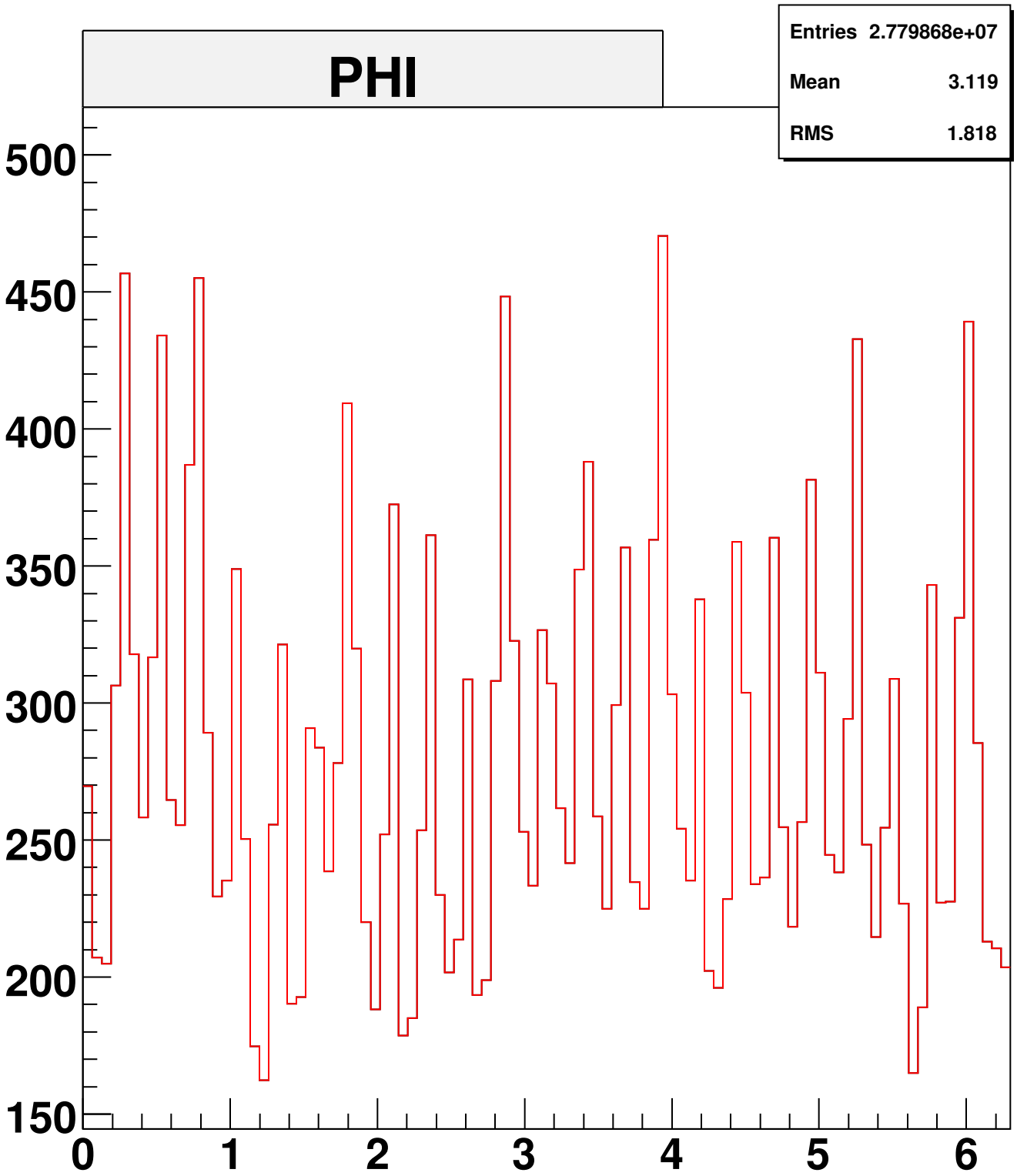


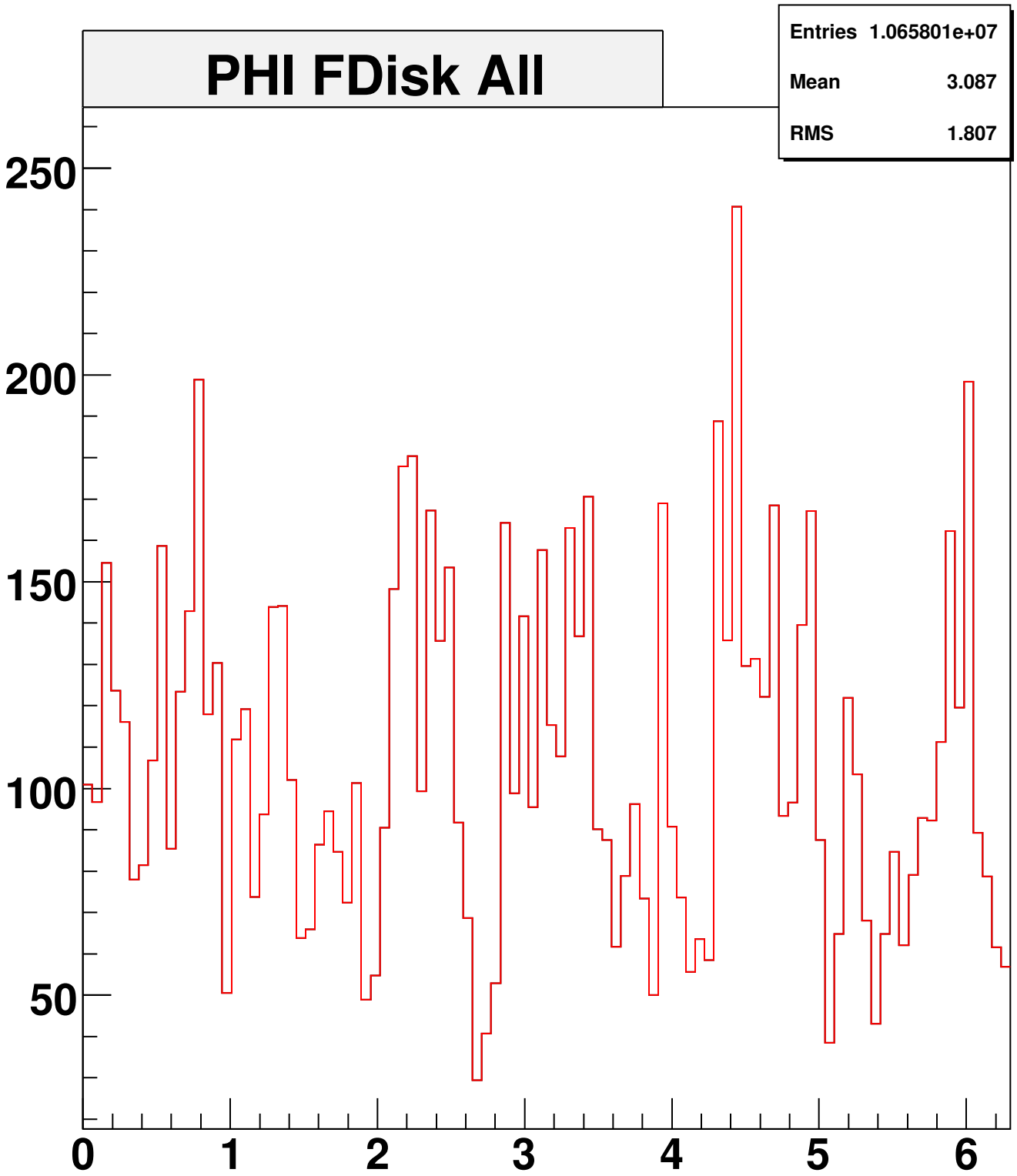


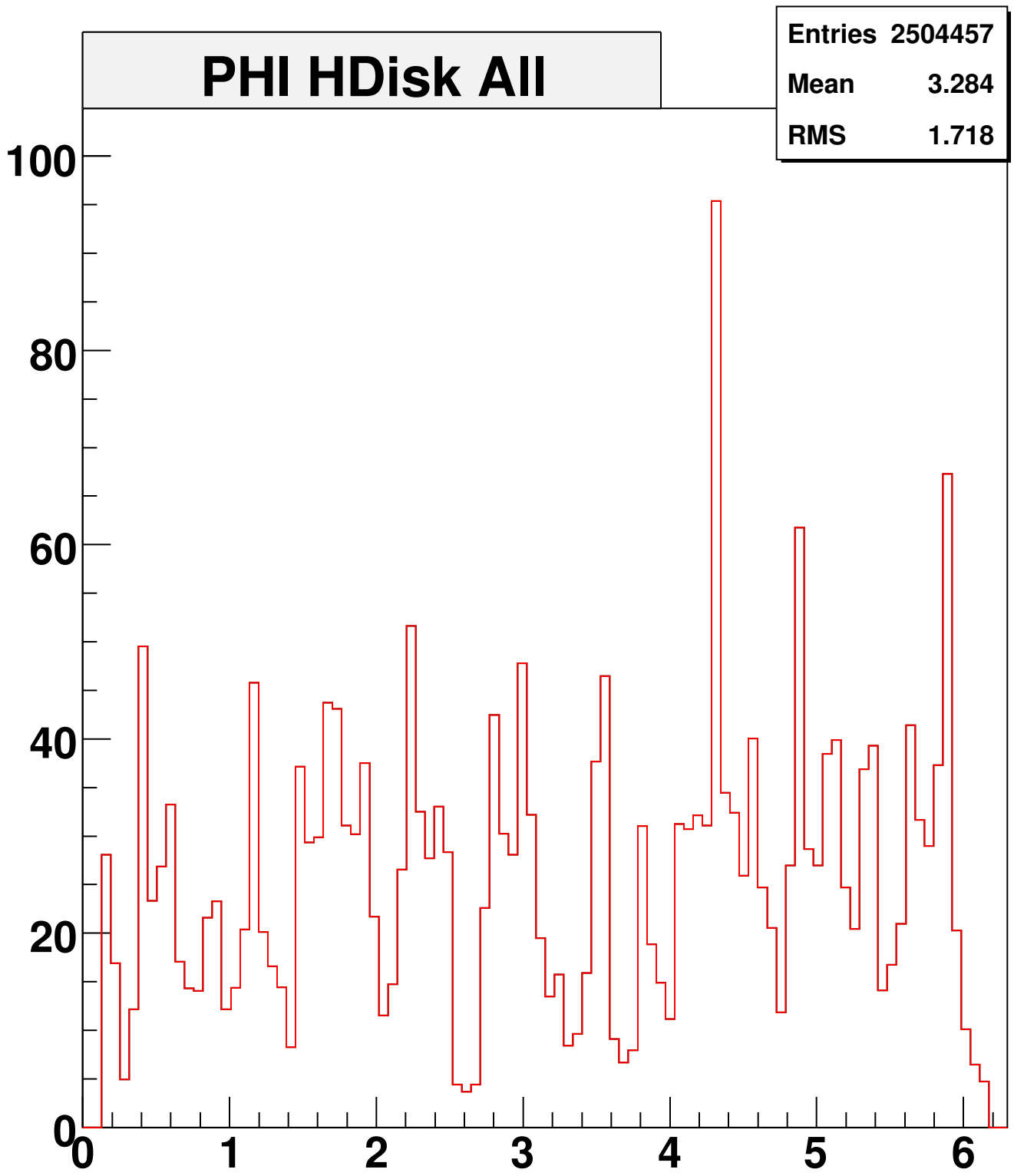




CPS Clusters (All Clusters)


PHI
Entries 2.779868e+07
Mean 3.119
RMS 1.818
500
450
400
350
300
250
200
150
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 1.065801e+07
Mean 3.087
RMS 1.807
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 2504457
Mean 3.284
RMS 1.718
100
80
60
40
20
0
0
1
2
3
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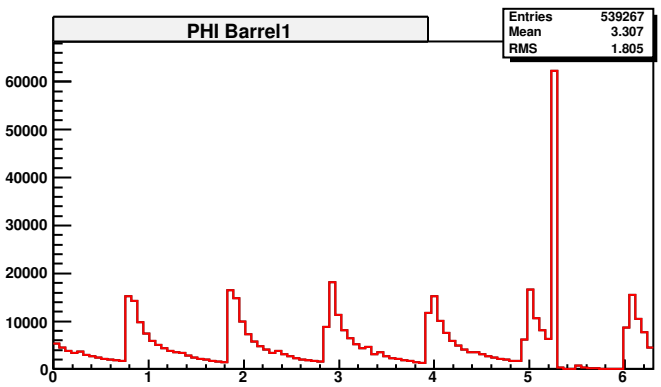
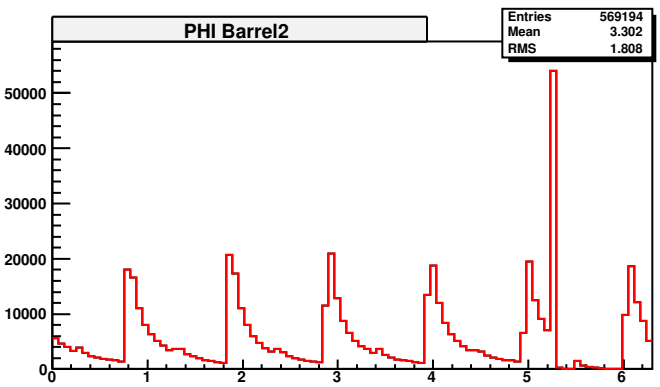
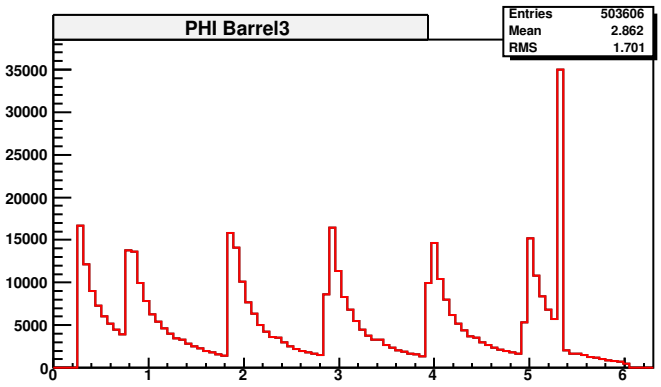
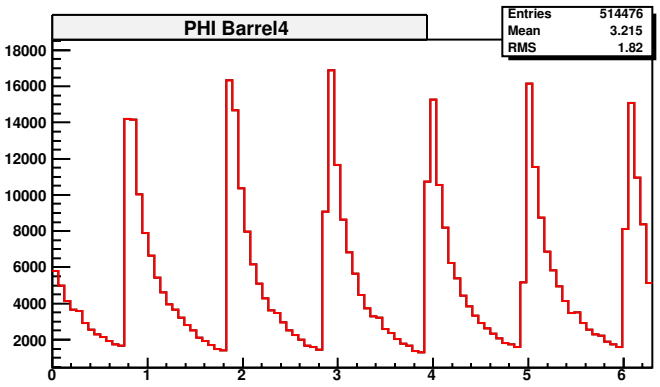
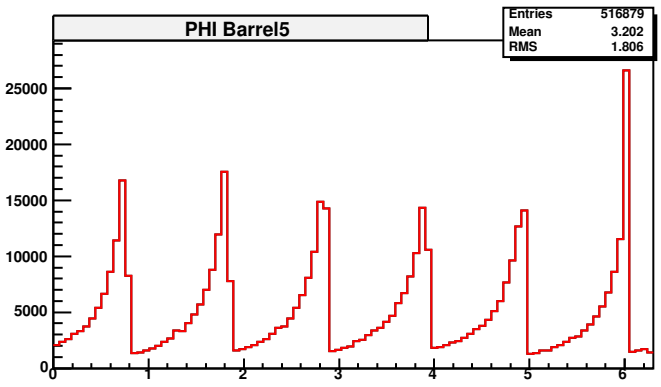
5
6
SmtClusters (allHDiskClusters)

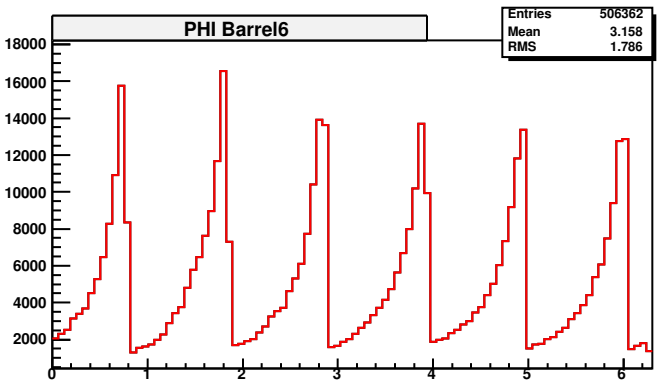


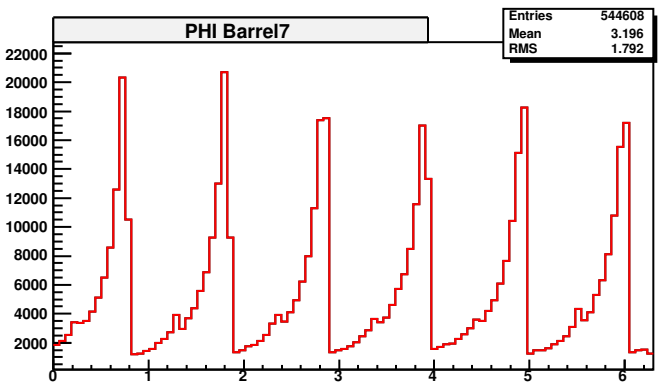


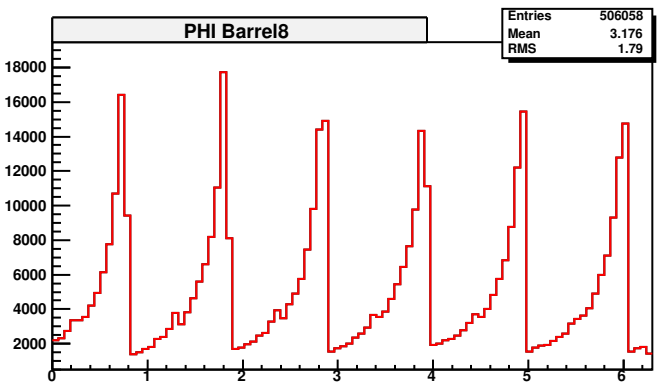




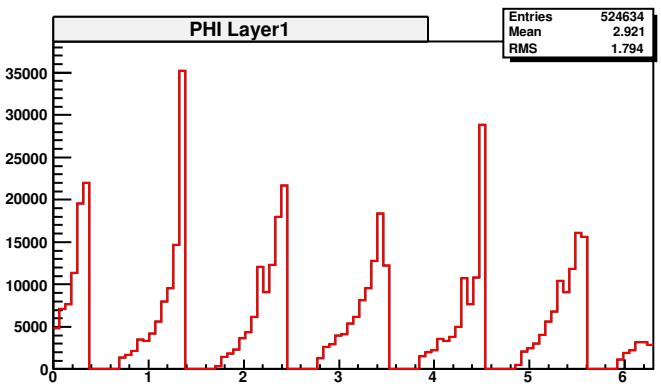


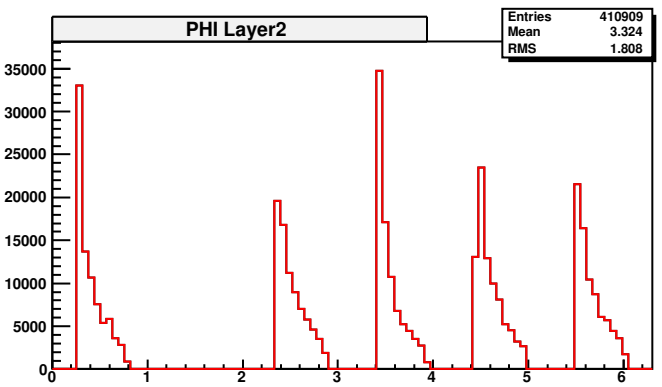


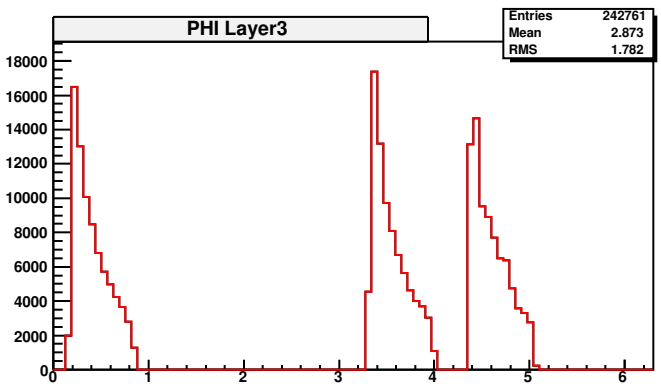


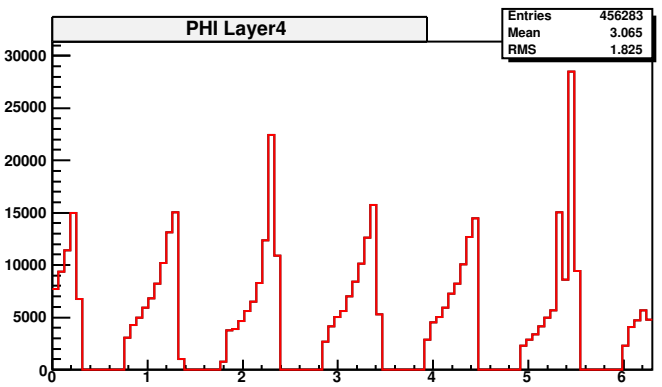


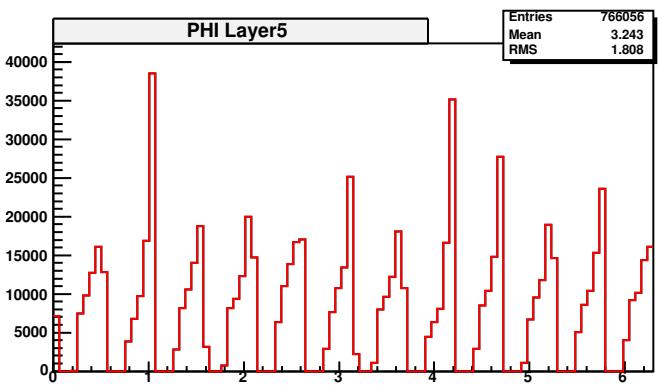
SmtClusters (ClustrLayer0)

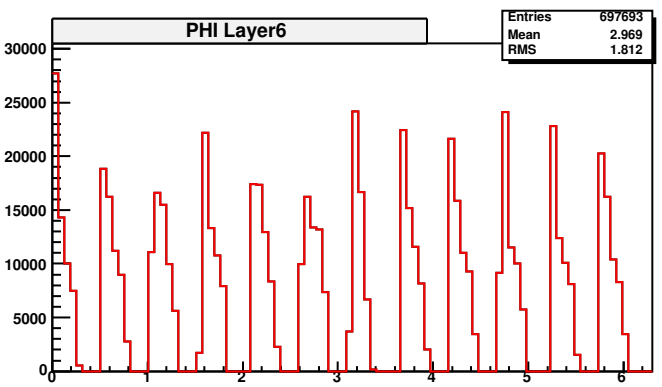


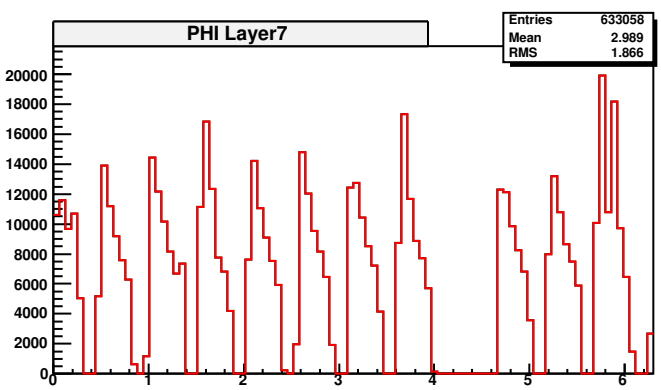


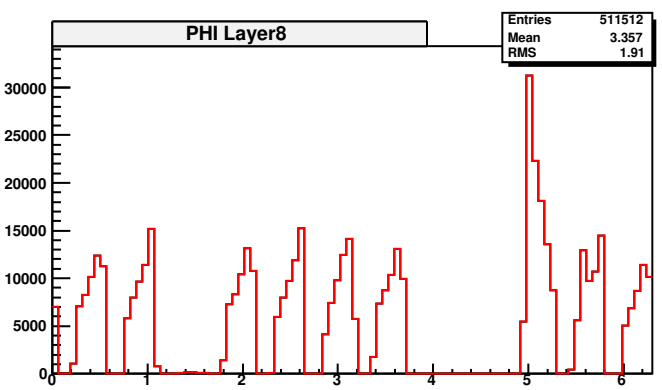




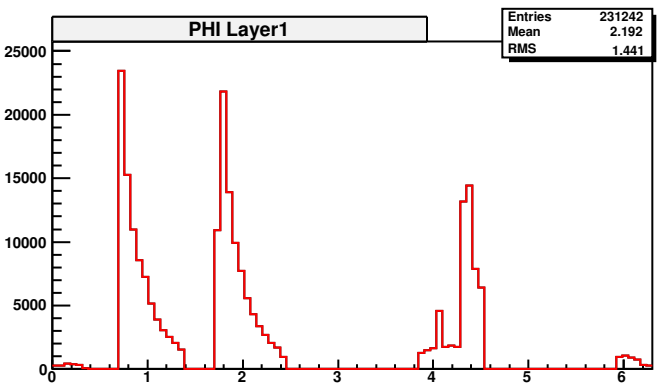


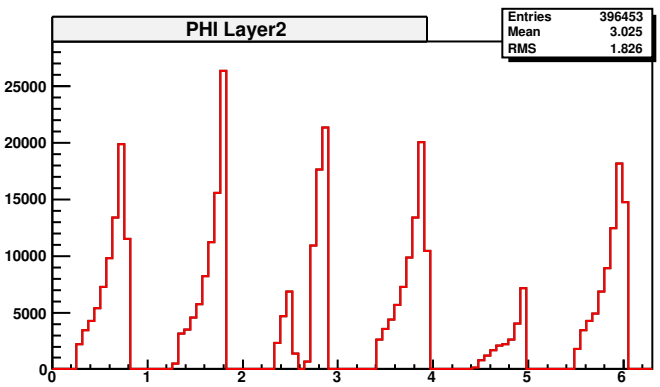


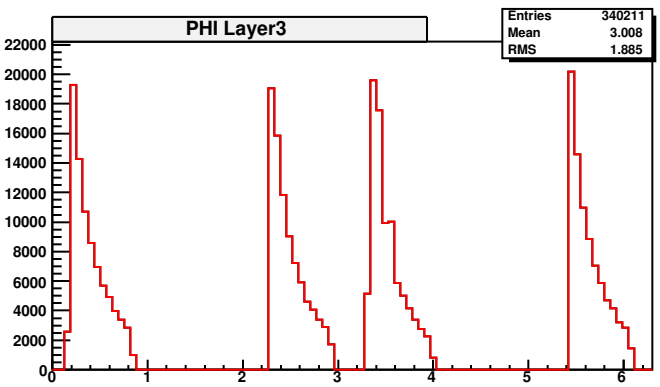


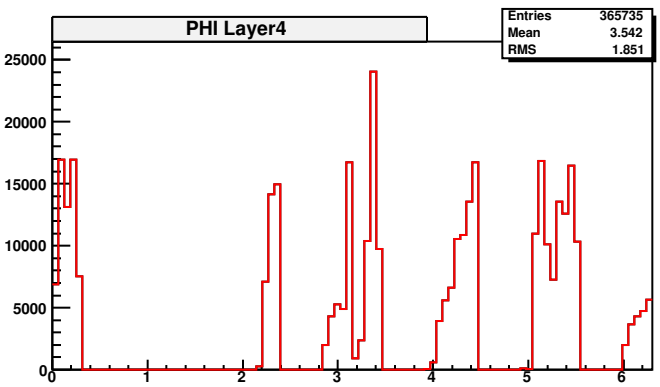


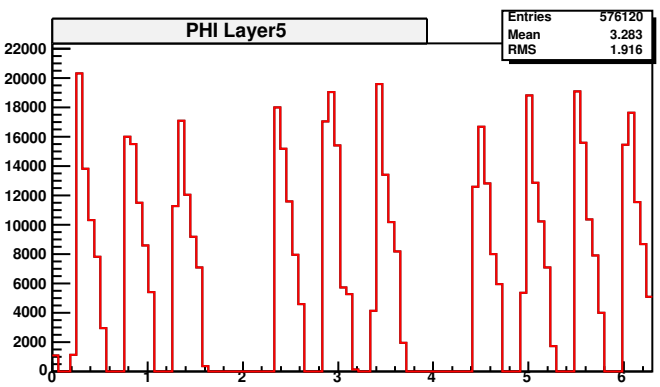
SmtClusters (ClustrBar1)

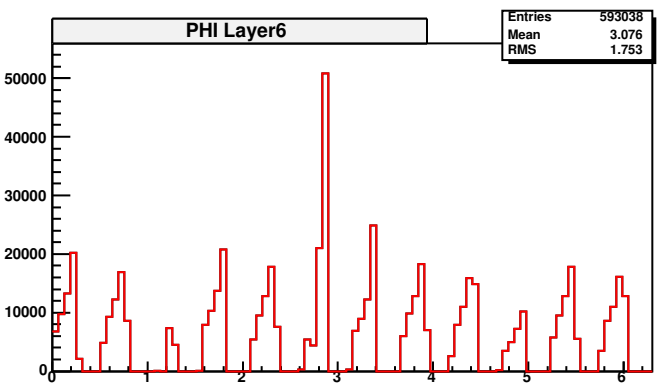


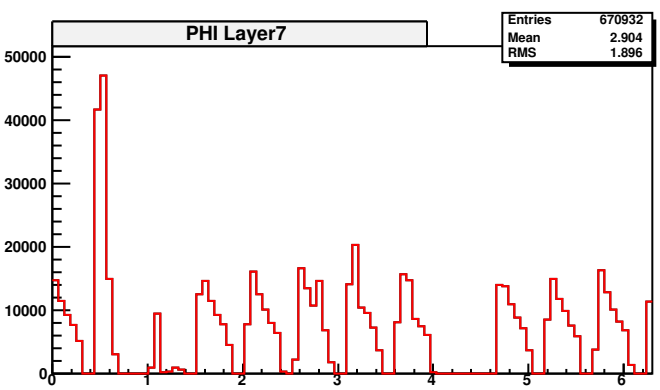


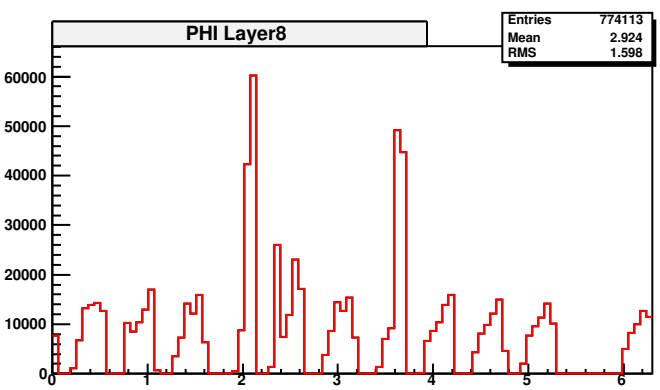




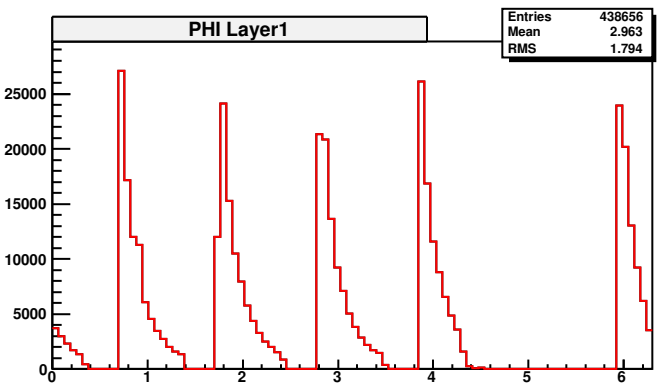


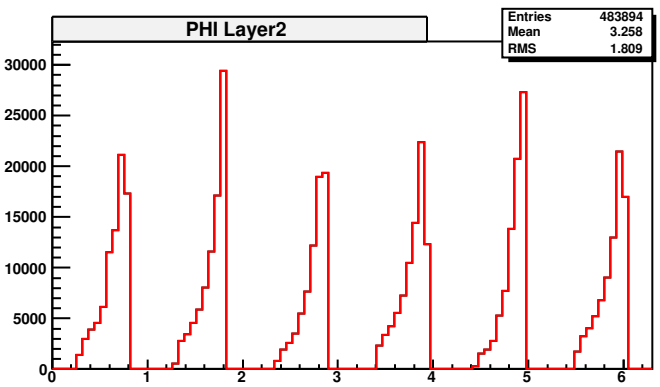


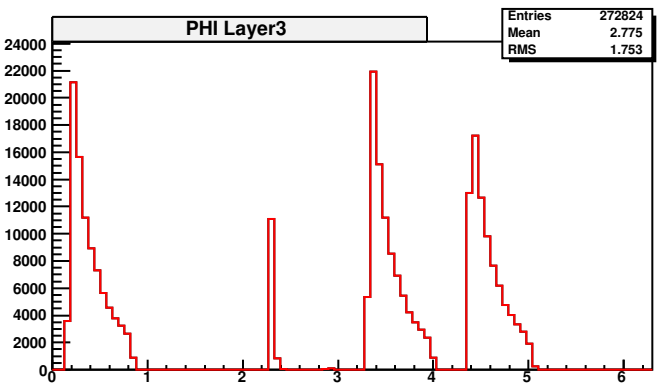


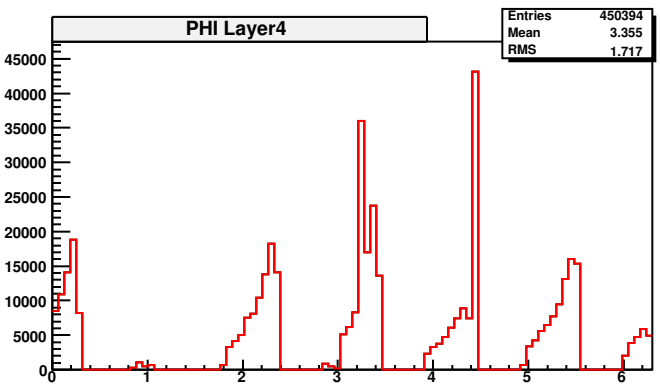


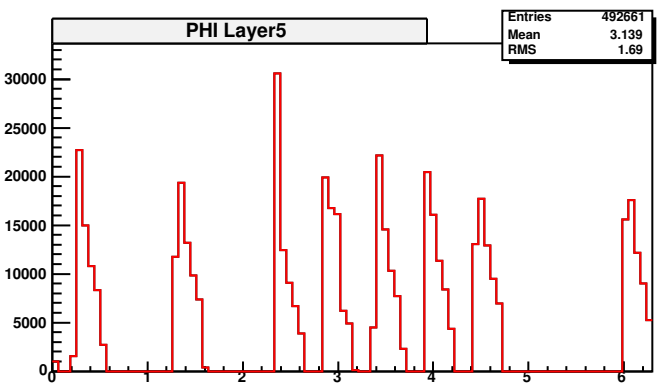
SmtClusters (ClustrBar2)

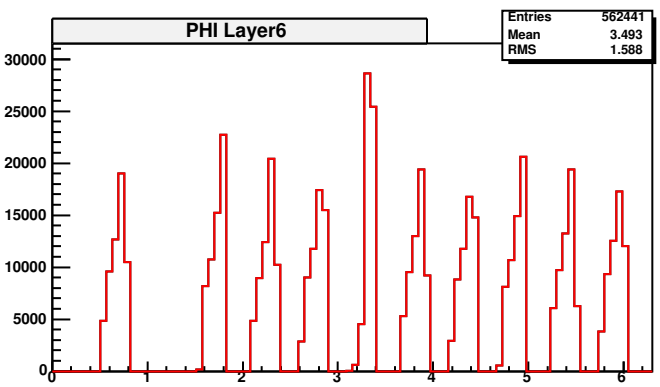


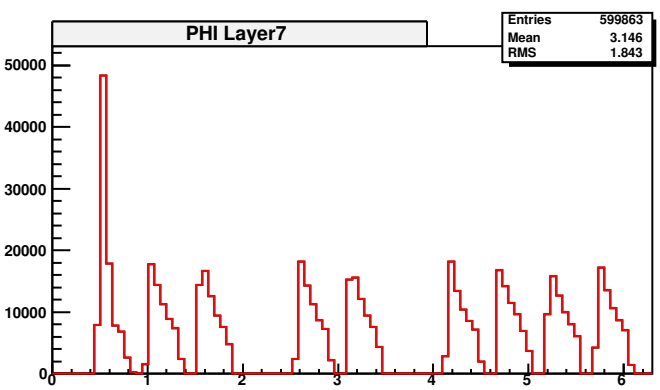


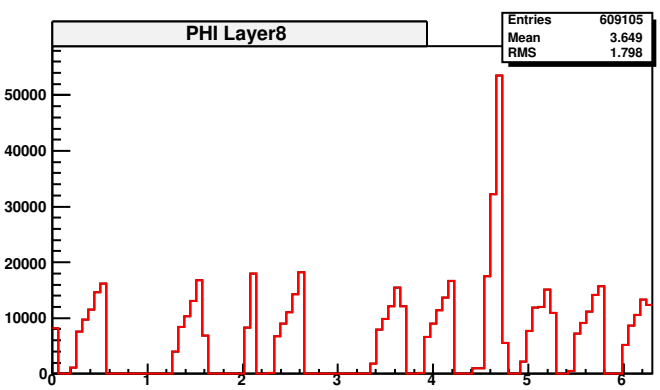




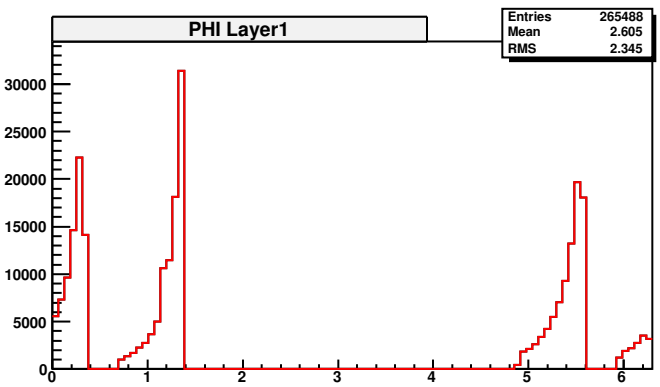


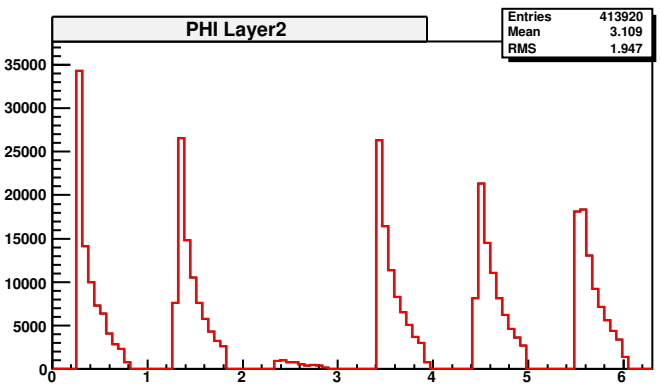


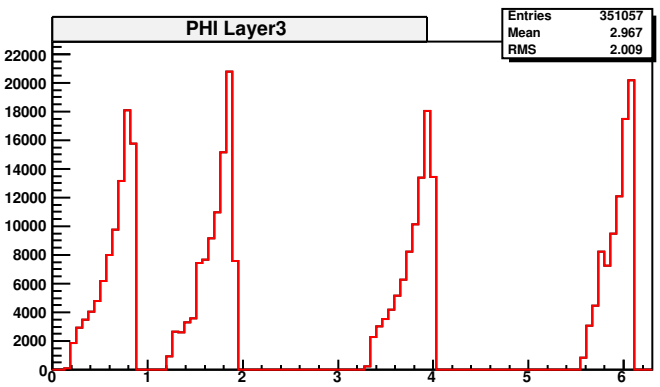


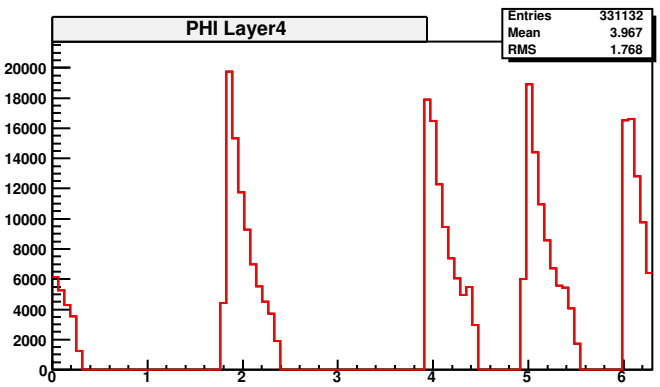


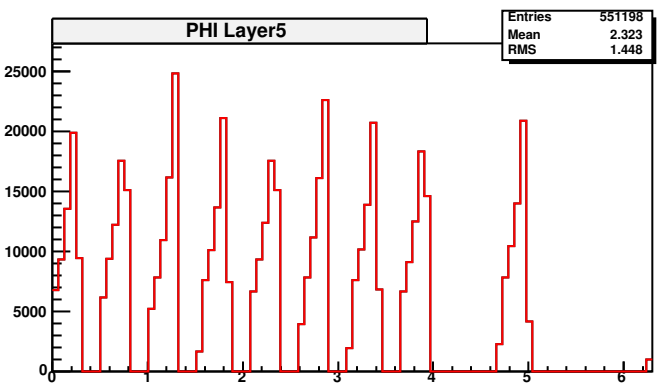
SmtClusters (ClustrBar3)

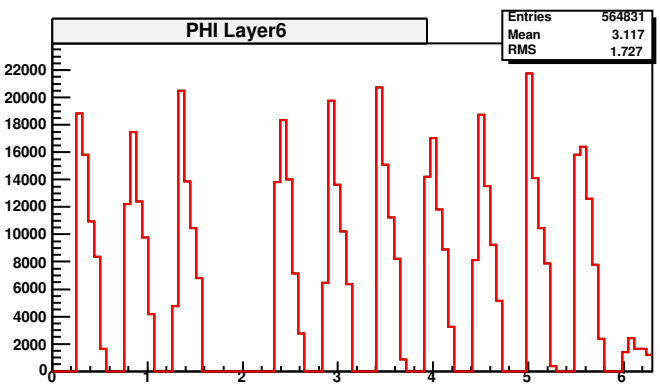


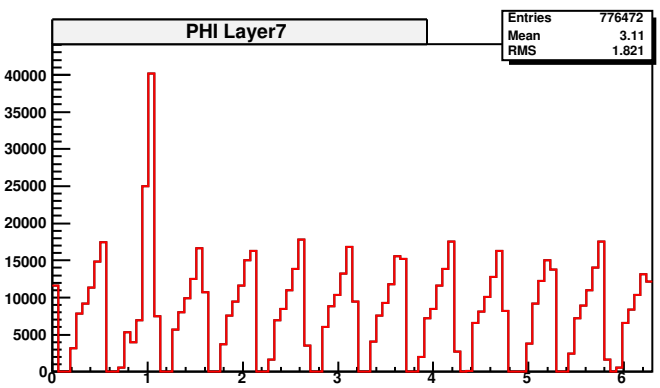


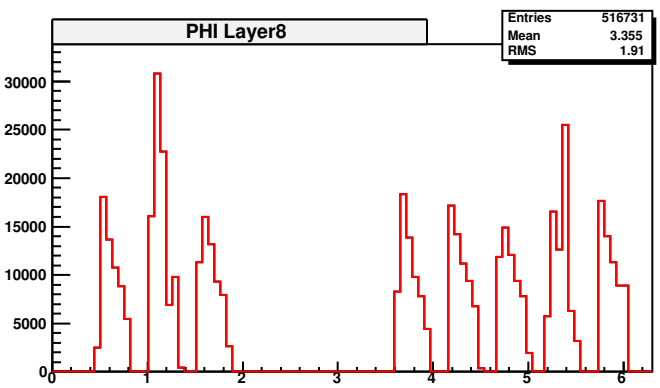




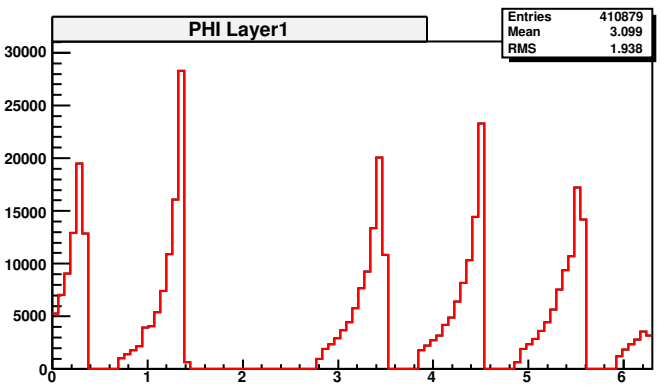


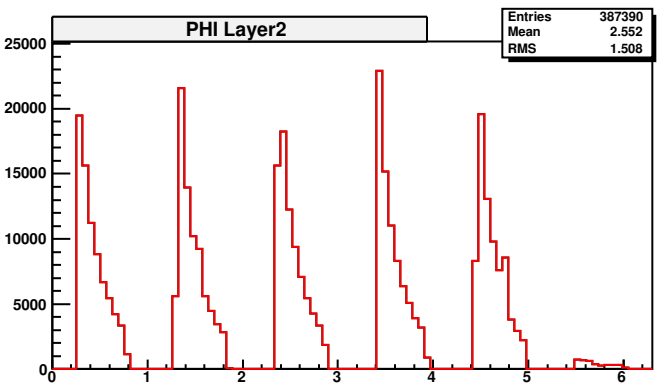


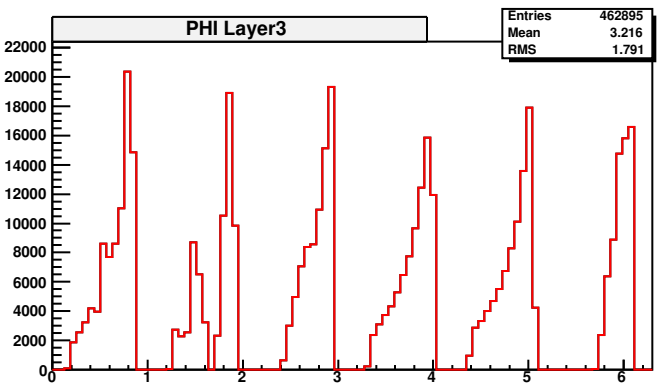


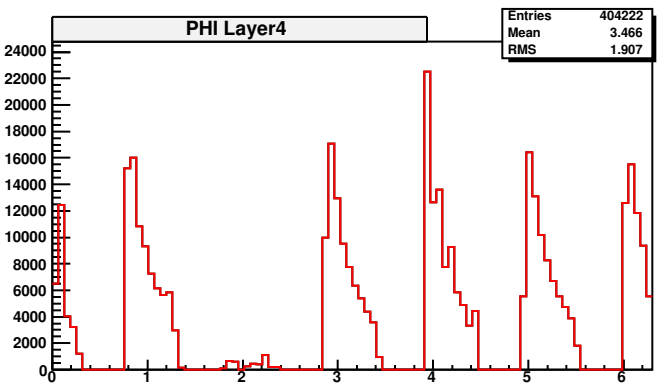


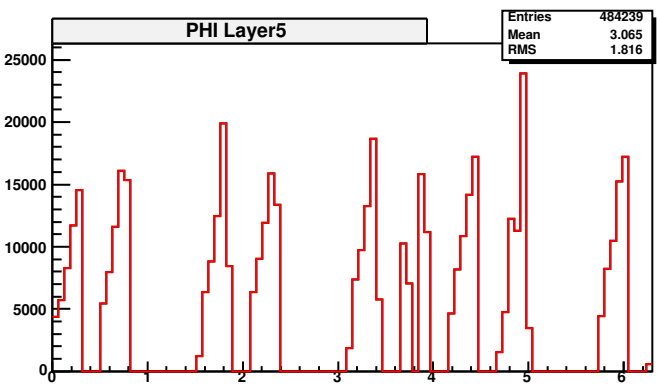
SmtClusters (ClustrBar4)

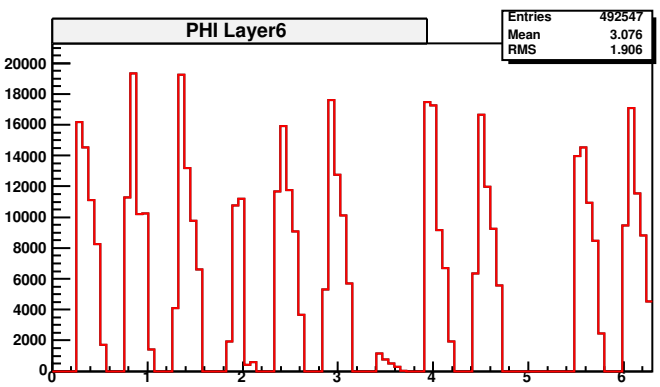


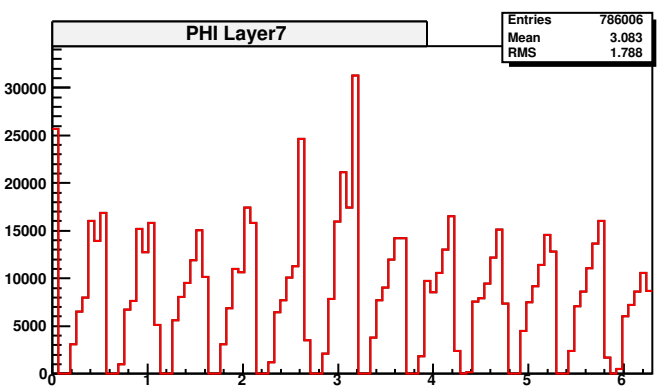


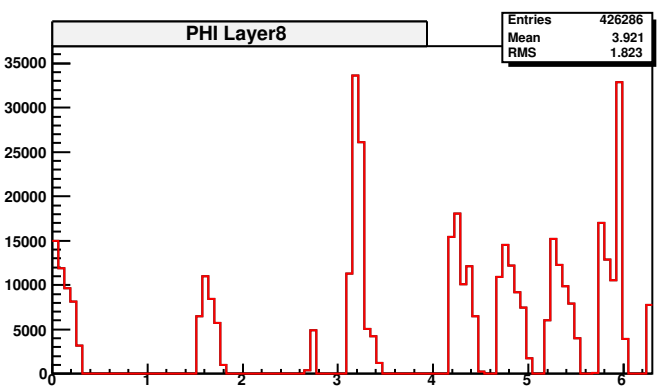




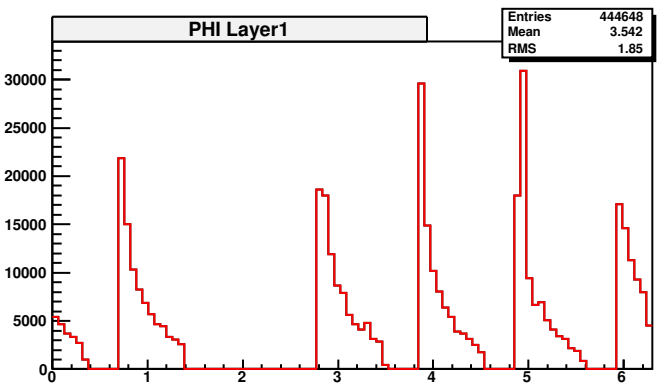


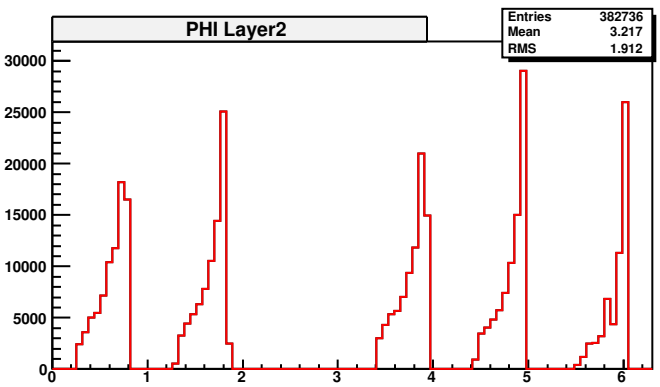


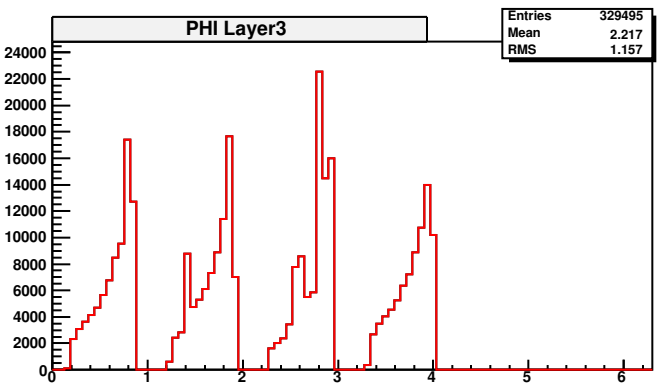


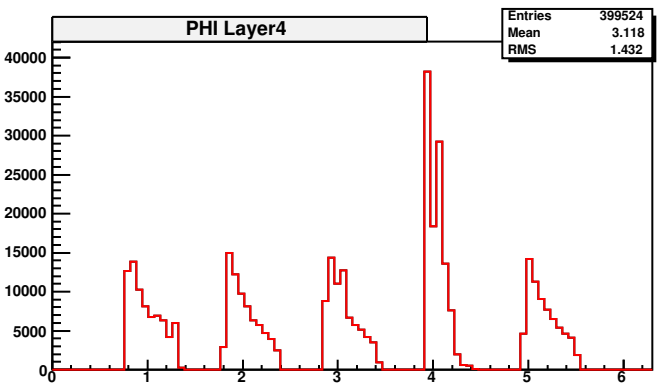


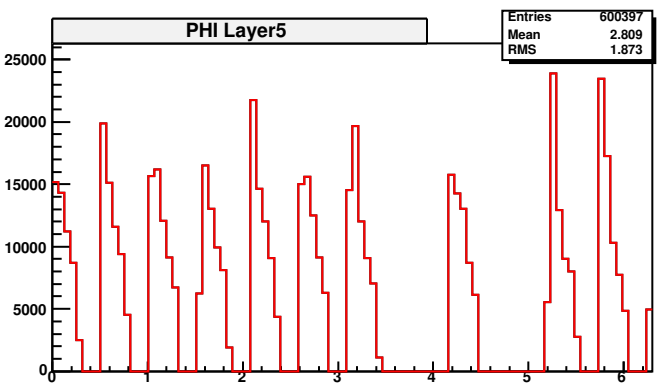
SmtClusters (ClustrBar5)

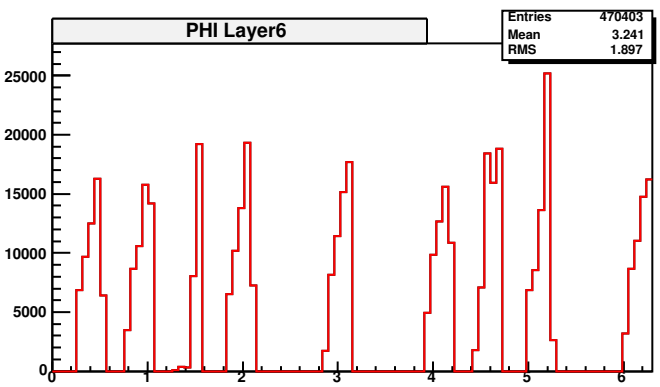


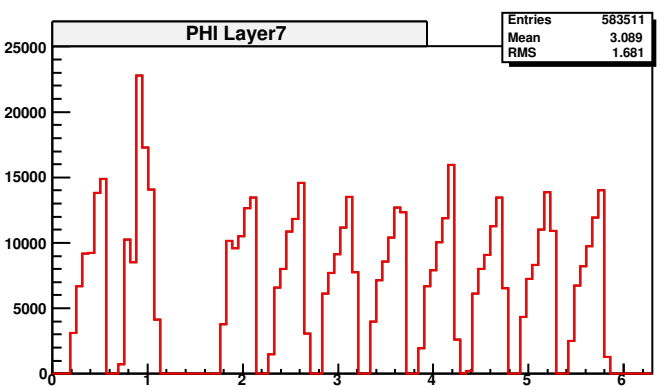


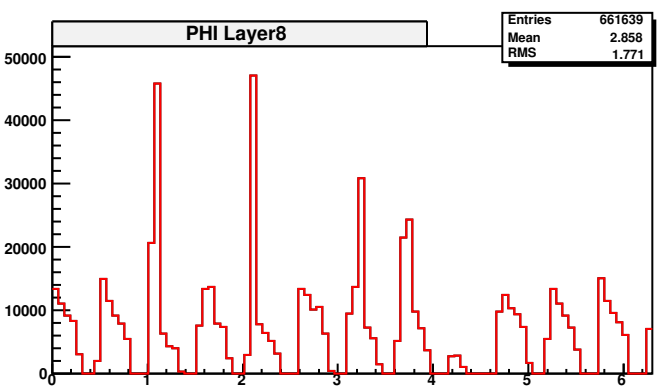




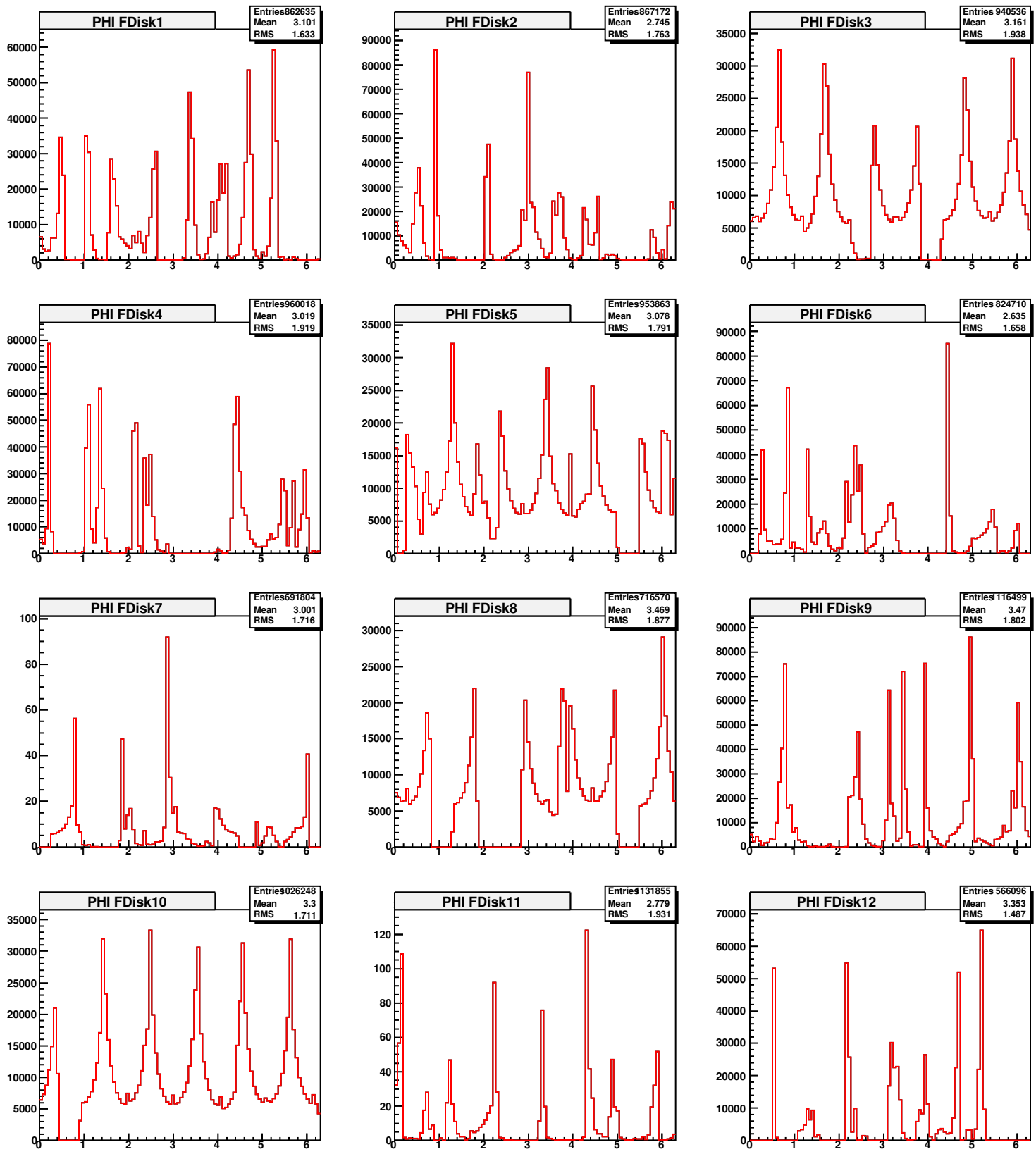




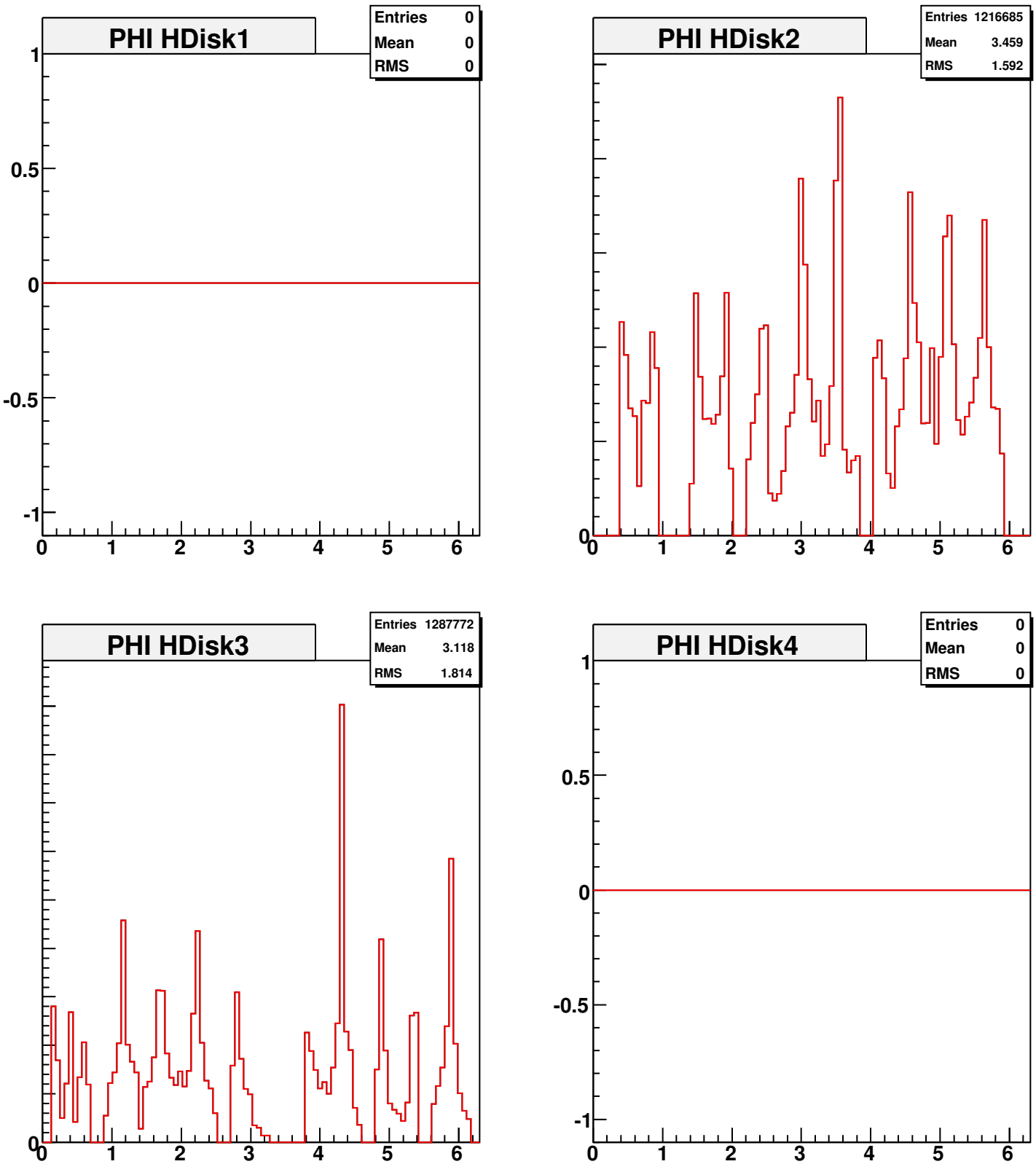




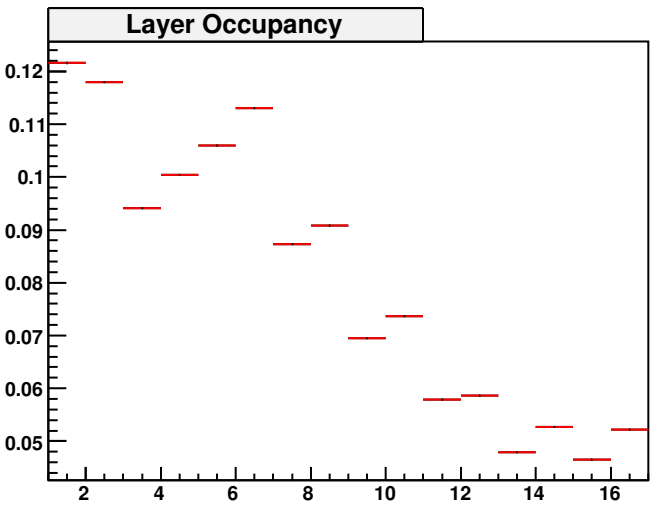
SmtClusters (ClustrBar6)

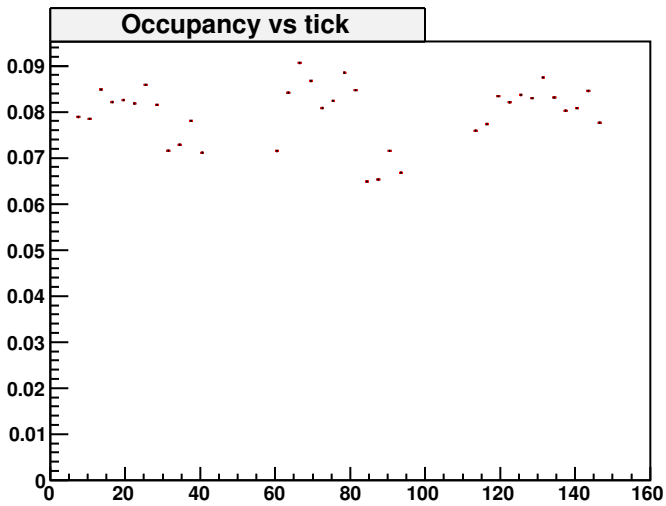


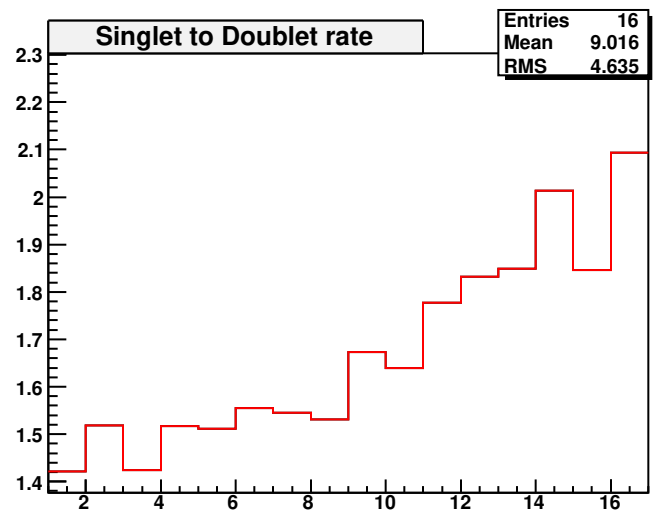
SmtClusters (FDiskClusters)

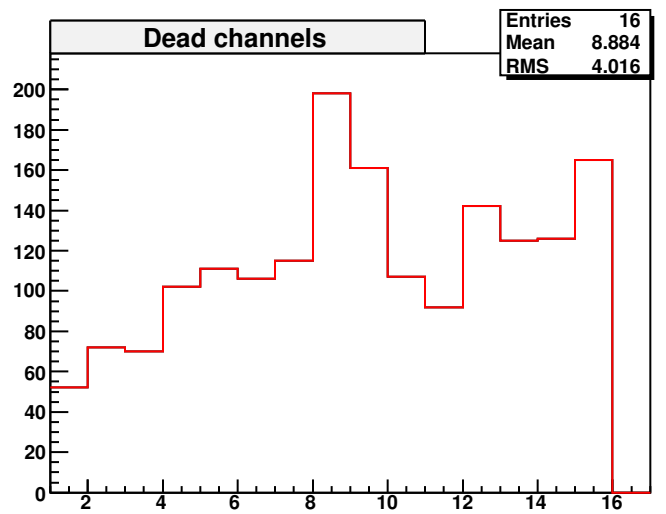


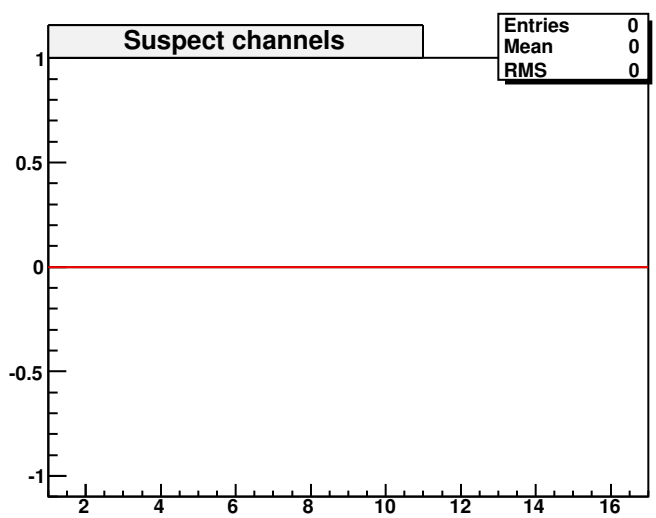
SmtClusters (HDiskClusters)

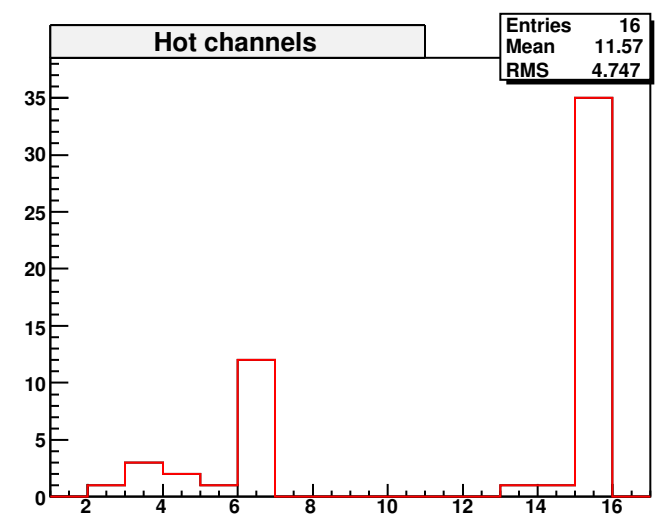




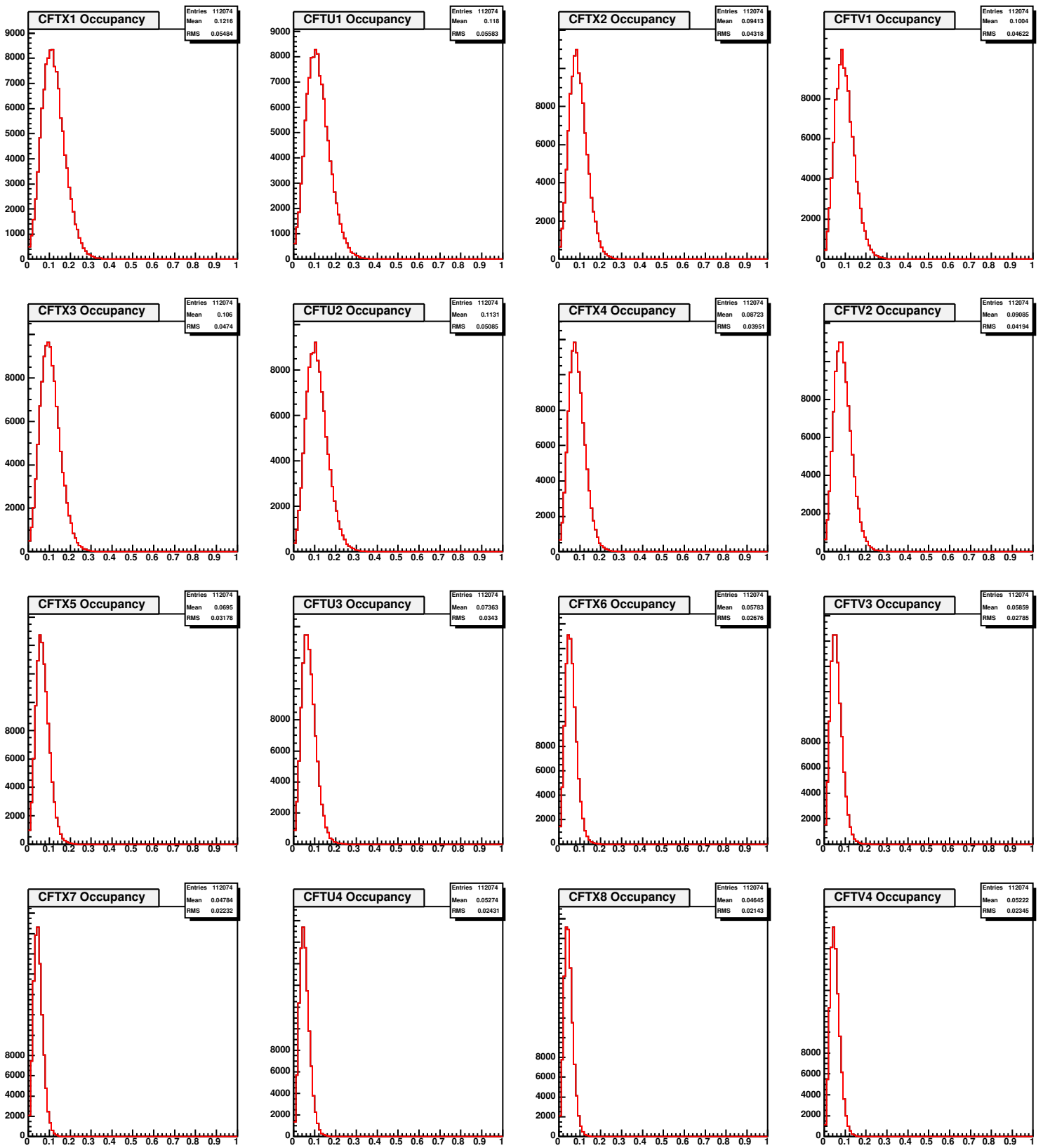




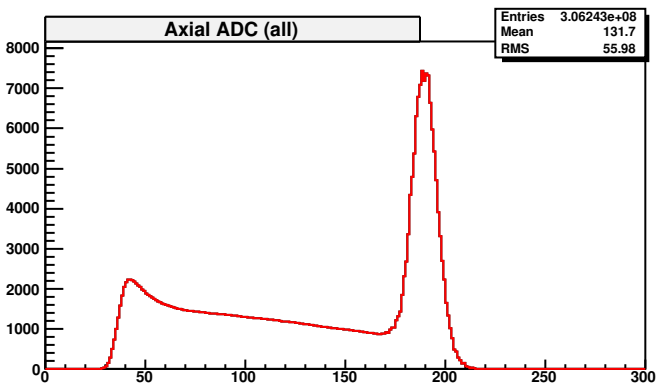


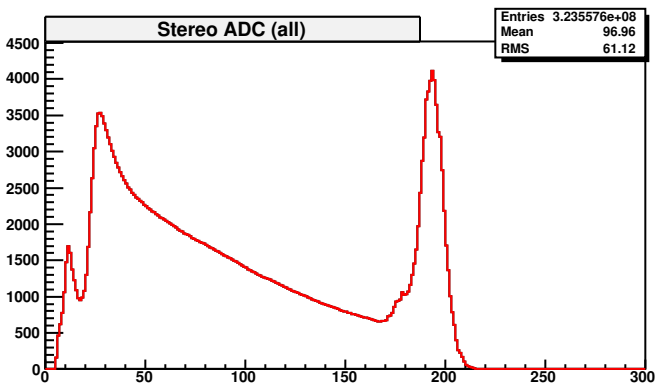


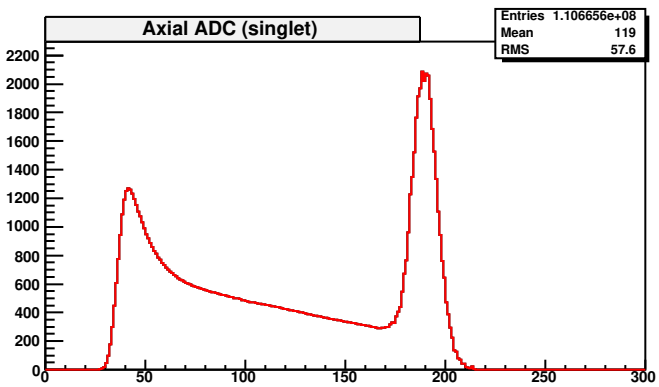
CFT Summary (All Clusters)

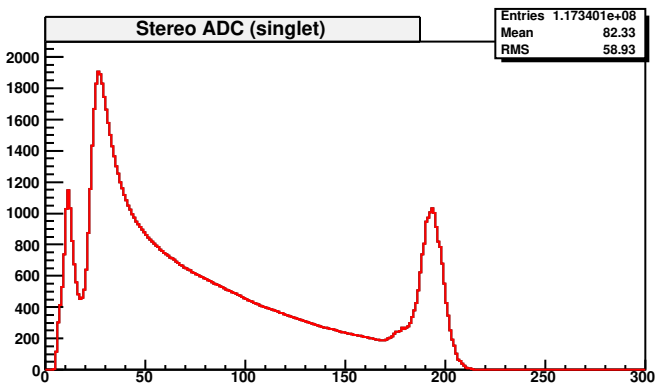


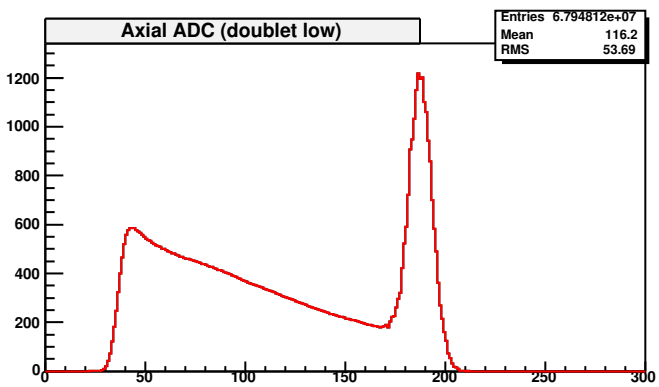
CFT Occupancy (All Clusters)

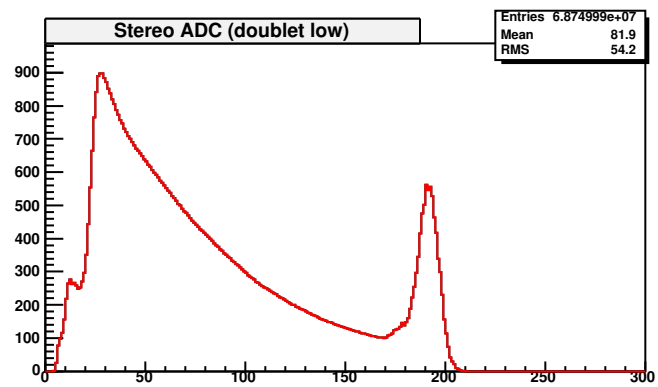


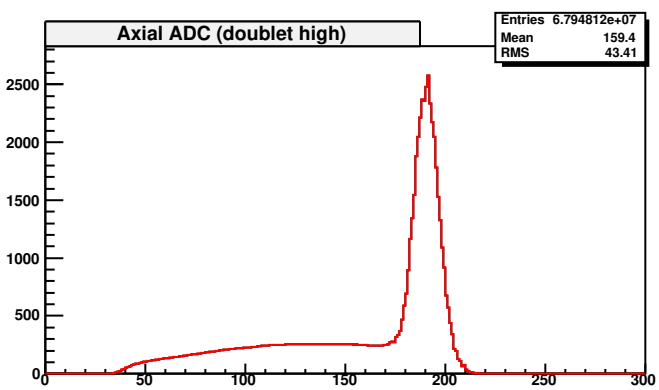


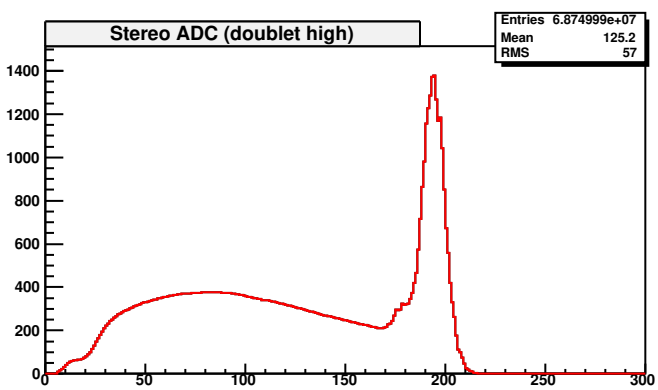




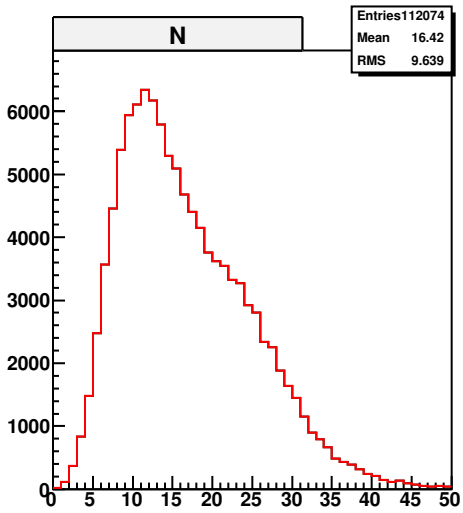


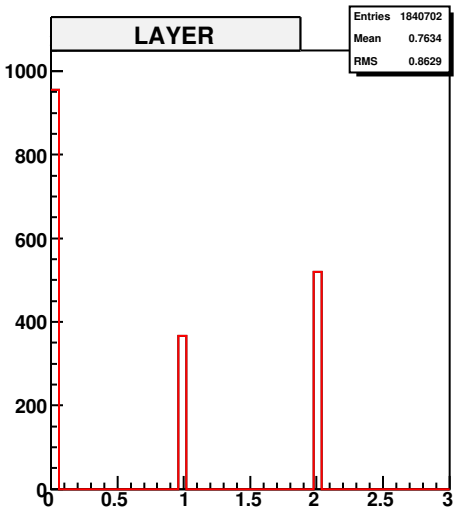


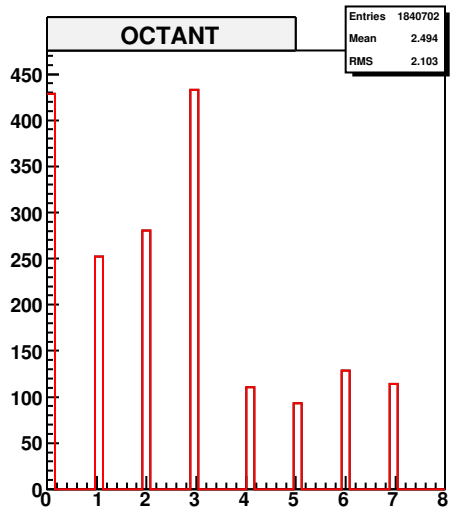


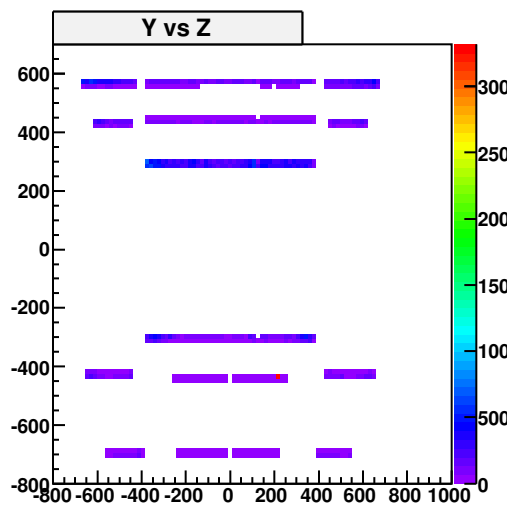


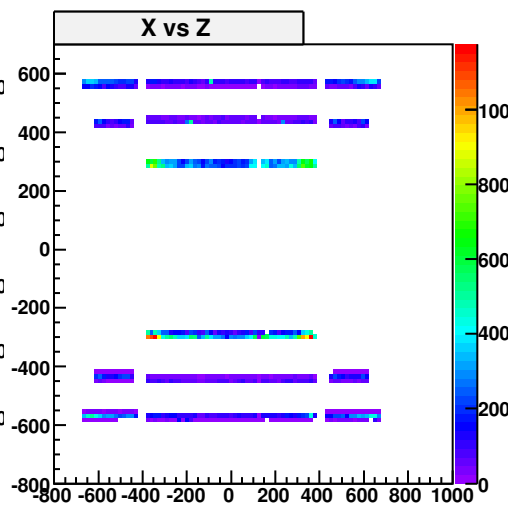
CFT ADC Summary (All Clusters)

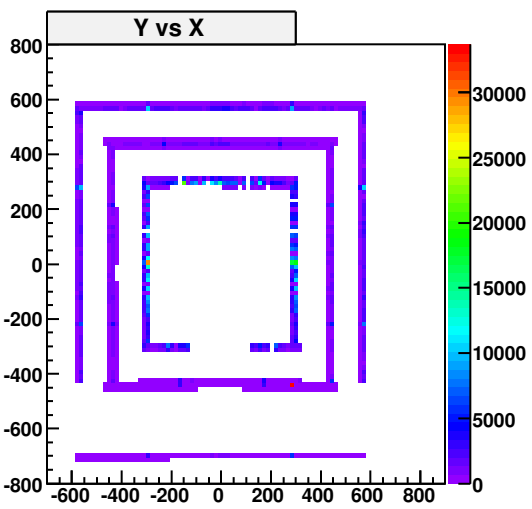

N
Entries 112074
Mean 16.42
RMS 9.639

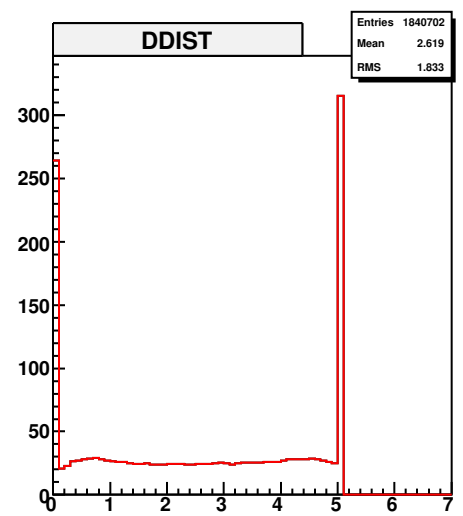

LAYER
Entries 1840702
Mean 0.7634
RMS 0.8629

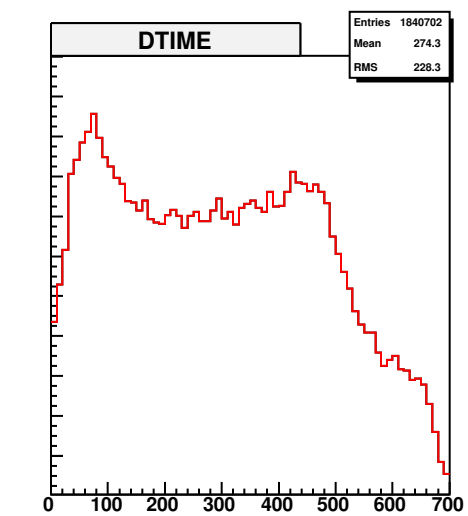

OCTANT
Entries 1840702
Mean 2.494
RMS 2.103


Y vs Z

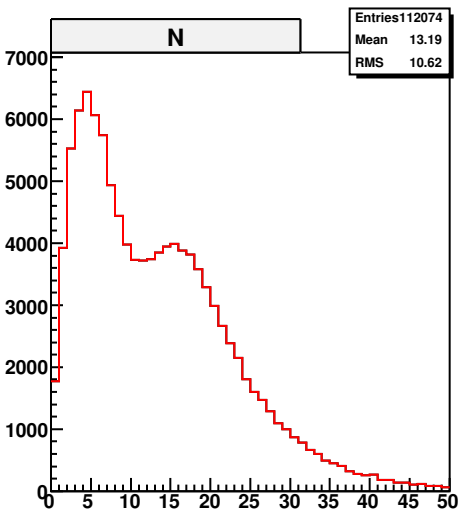

X vs Z

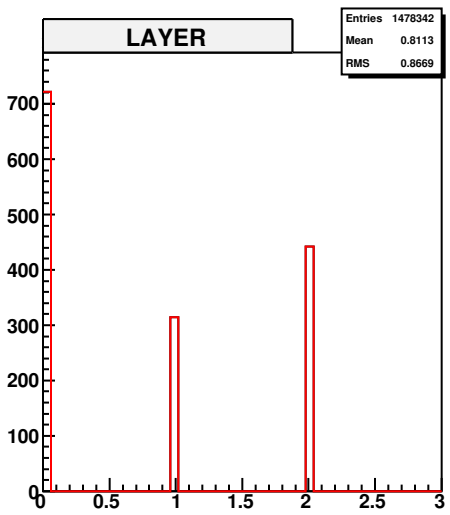

Y vs X

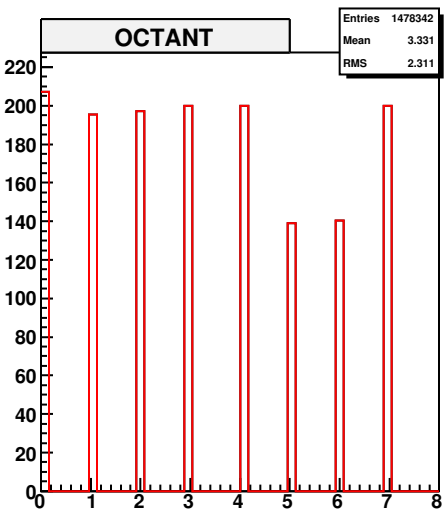

DDIST
Entries 1840702
Mean 2.619
RMS 1.833

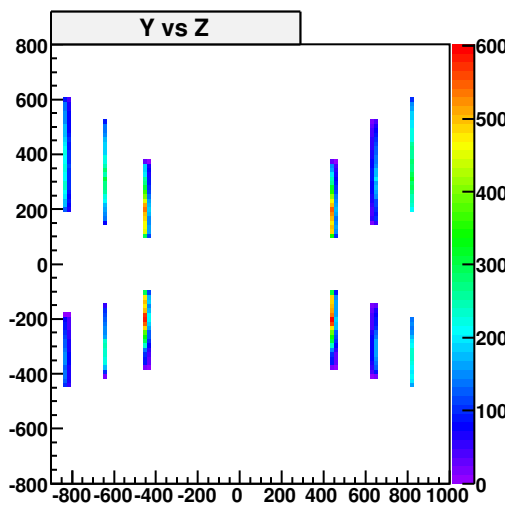

DTIME
Entries 1840702
Mean 274.3
RMS 228.3

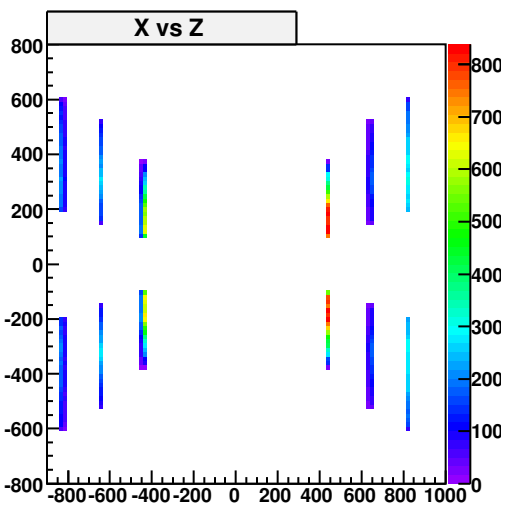
MuonPDT (All)

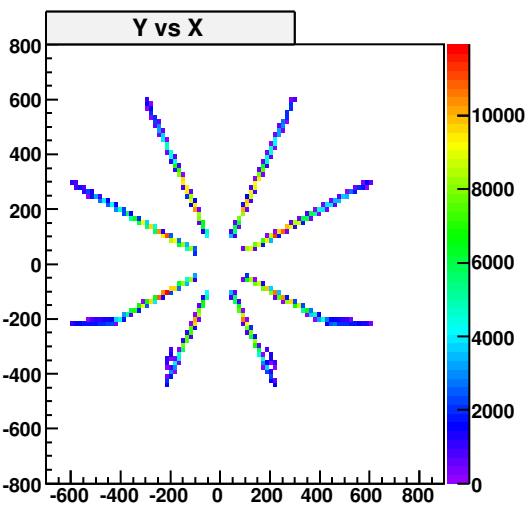

N
Entries 112074
Mean 13.19
RMS 10.62

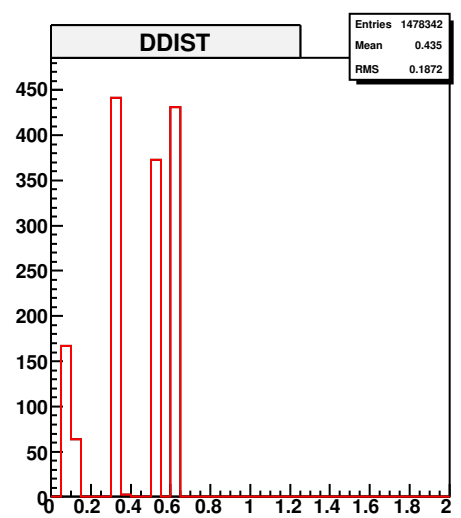

LAYER
Entries 1478342
Mean 0.8113
RMS 0.8669

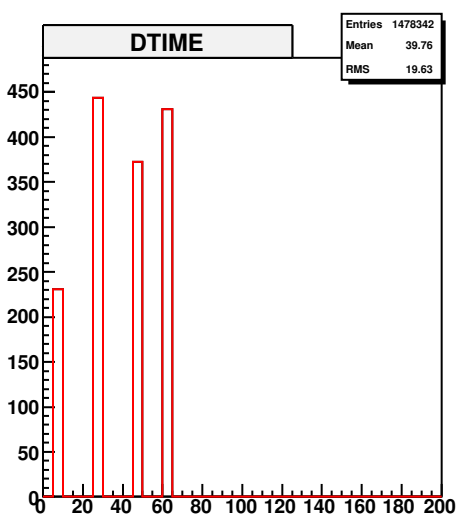

OCTANT
Entries 1478342
Mean 3.331
RMS 2.311


Y vs Z

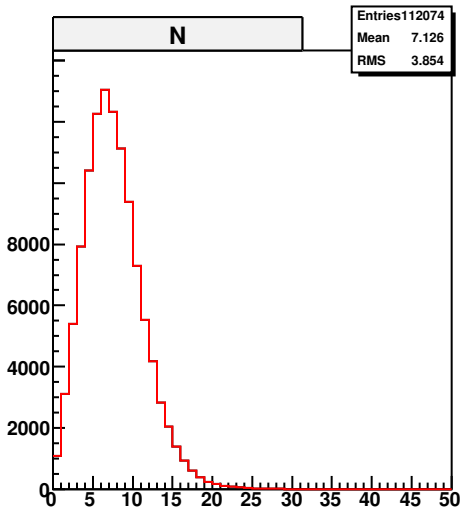

X vs Z

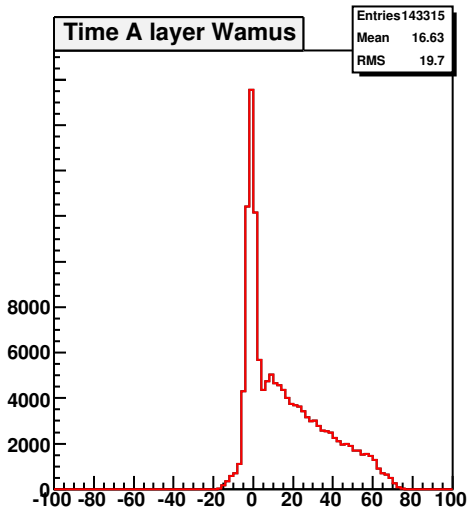

Y vs X

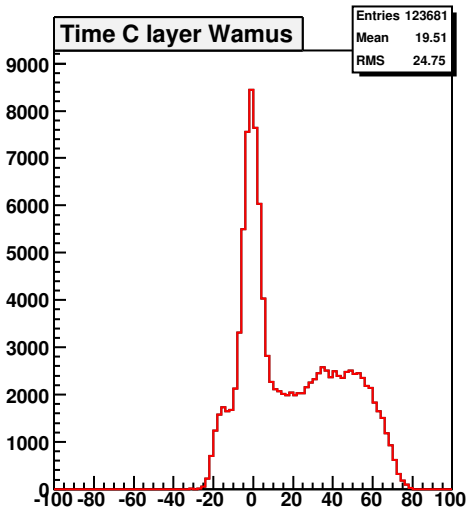

DDIST
Entries 1478342
Mean 0.435
RMS 0.1872

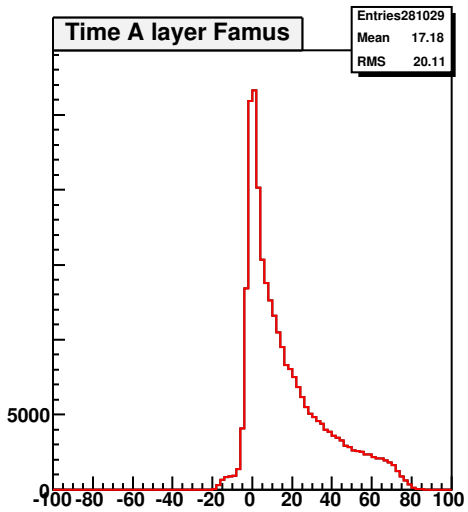

DTIME
Entries 1478342
Mean 39.76
RMS 19.63

MuonMDT (All)


N
Entries112074
Mean 7.126
RMS 3.854


Time A layer Wamus
Entries143315
Mean 16.63
RMS 19.7


Time C layer Wamus
Entries 123681
Mean 19.51
RMS 24.75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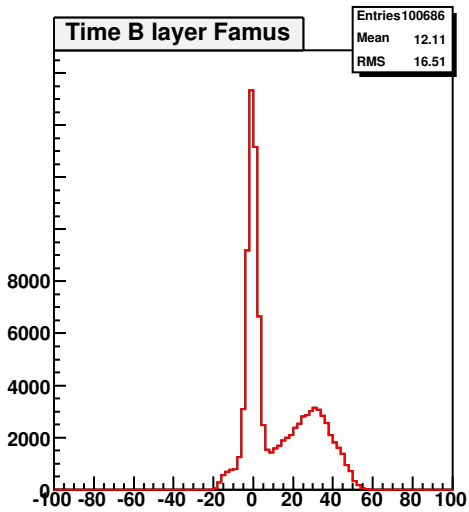
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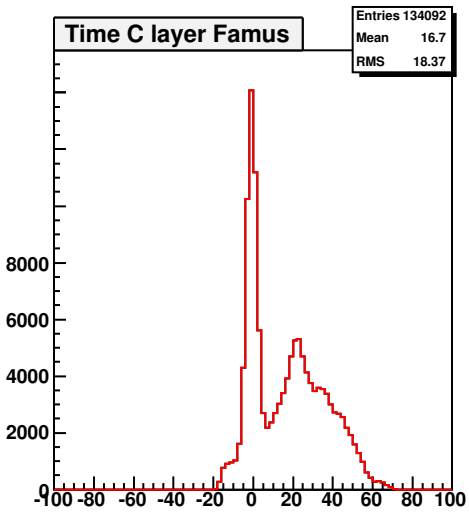
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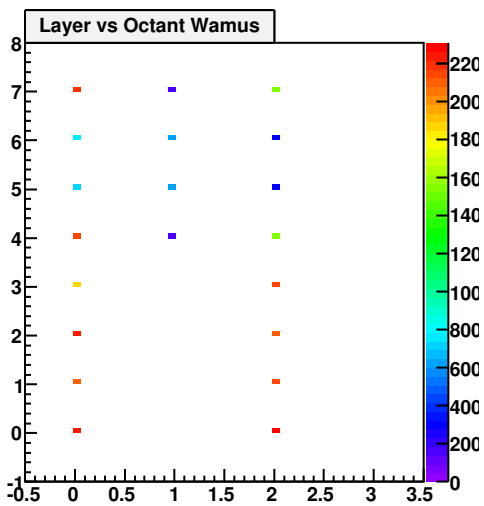
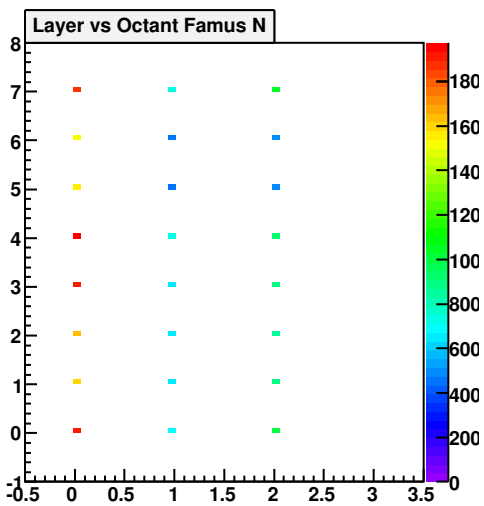
Entries 134092
Mean 16.7
RMS 18.37


Layer vs Octant Wamus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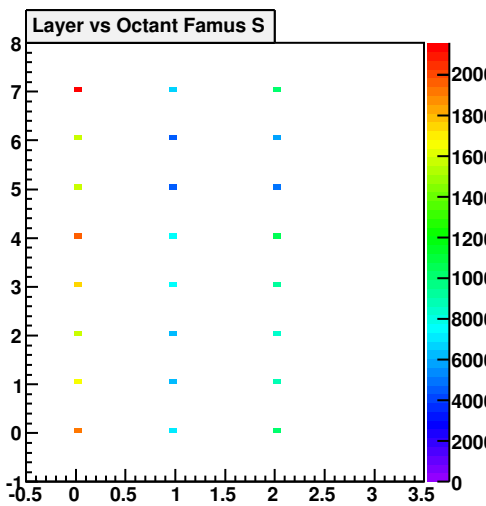
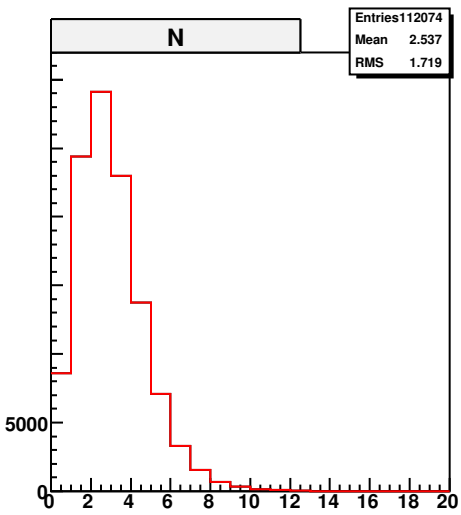
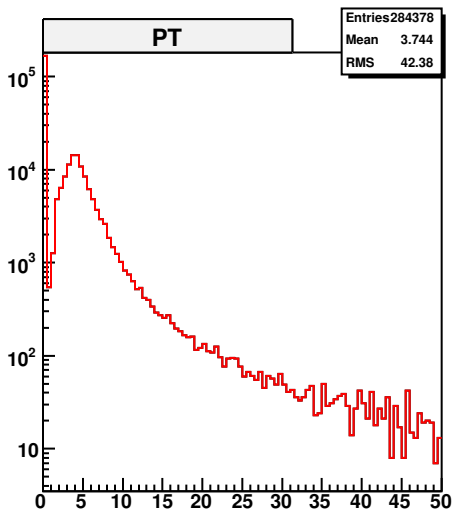
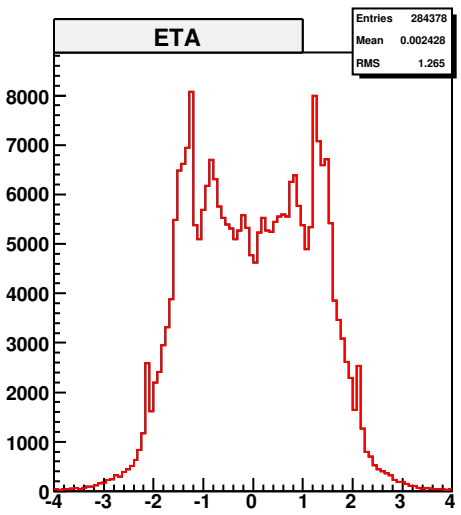
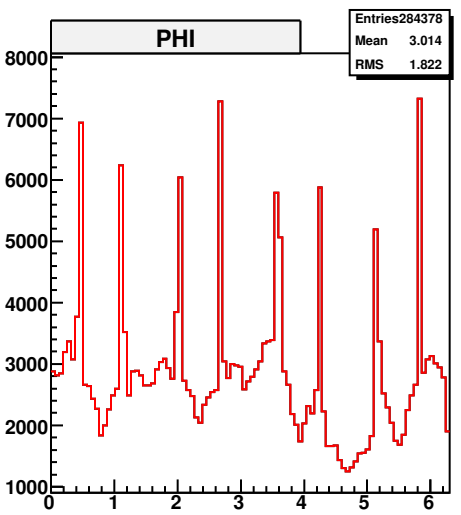

Layer vs Octant Famus S

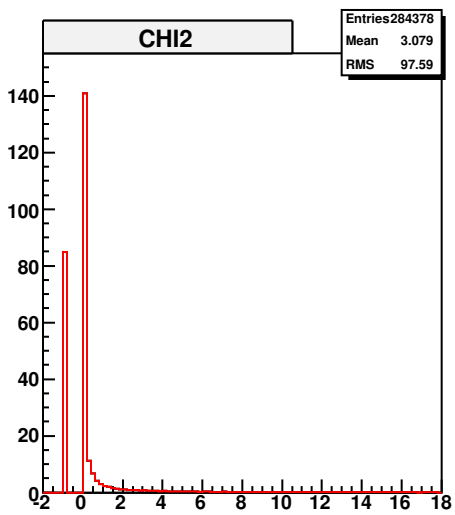
MuonMSC (All)

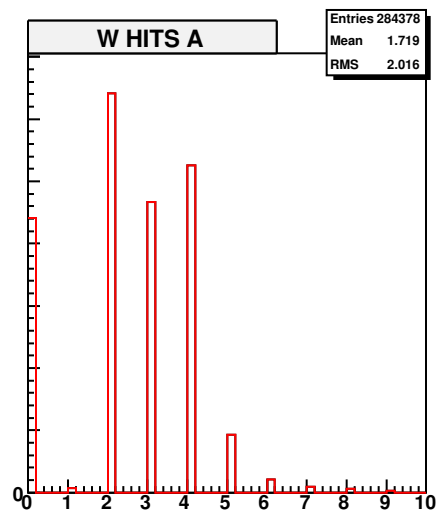


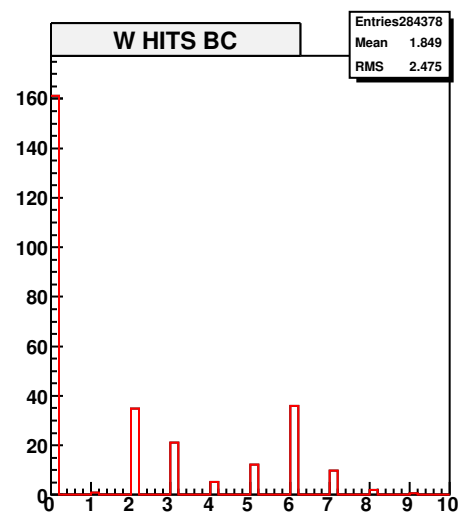


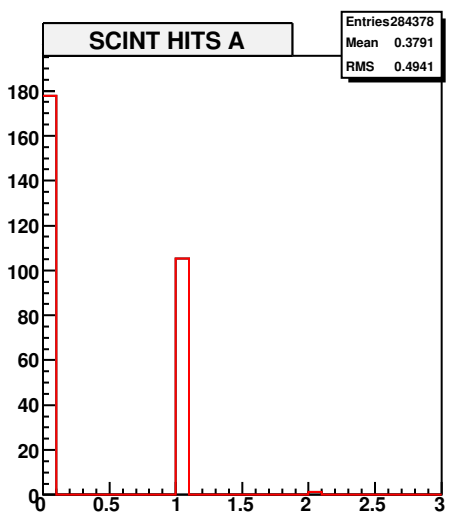


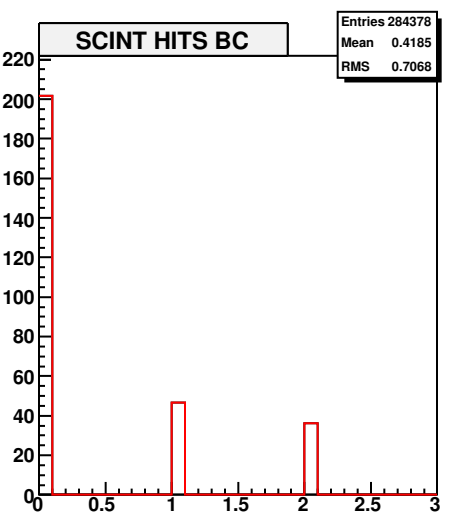




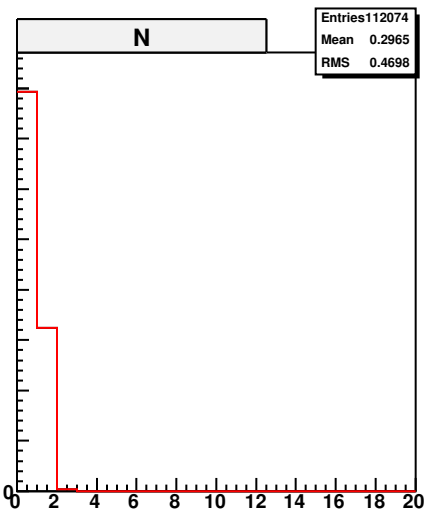


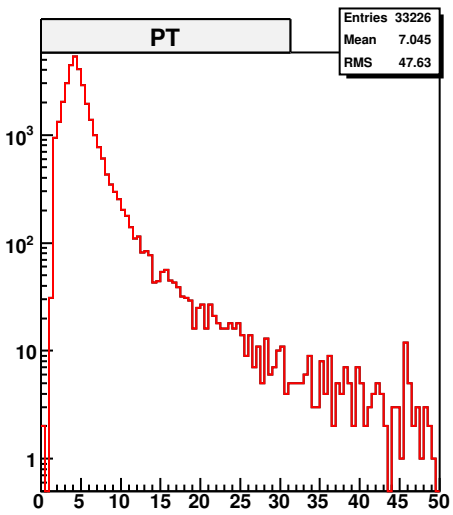


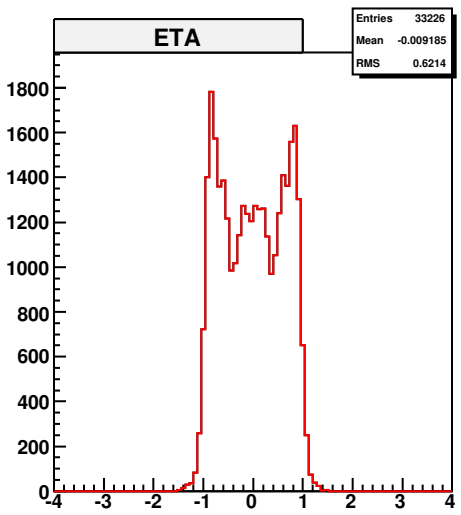


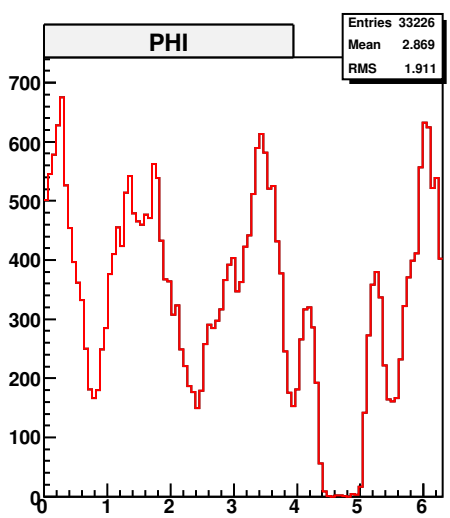


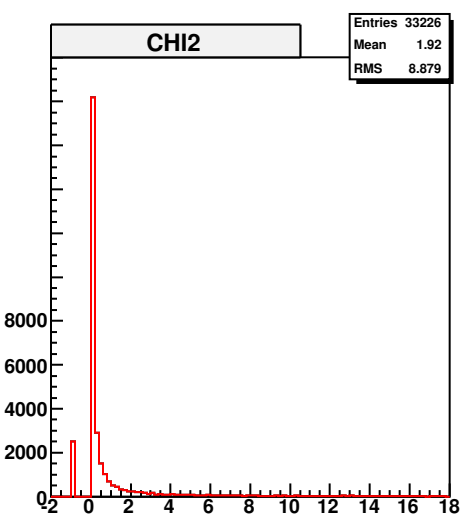
Muon Local Tracks (All)

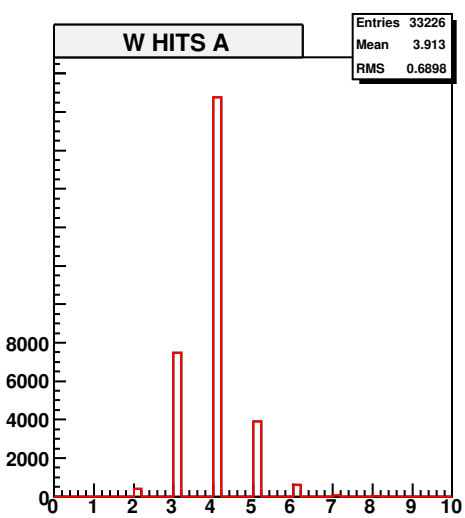


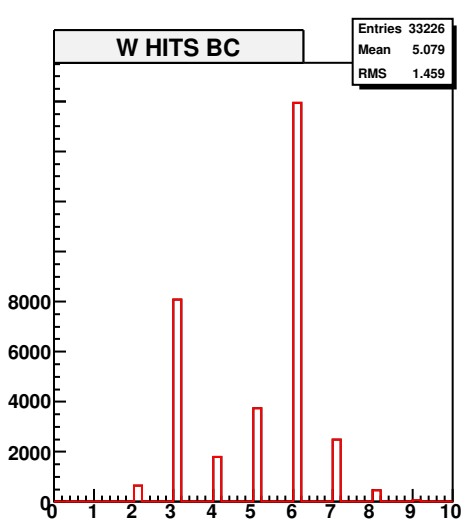


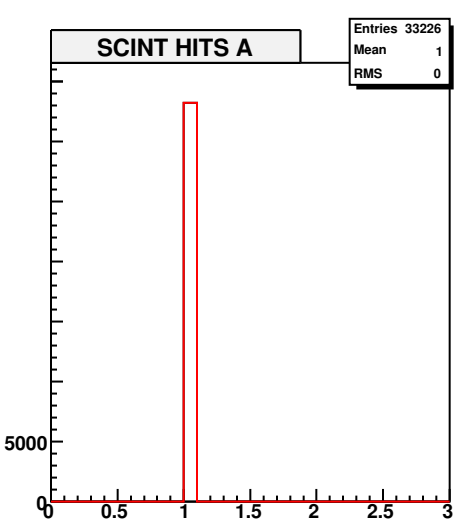


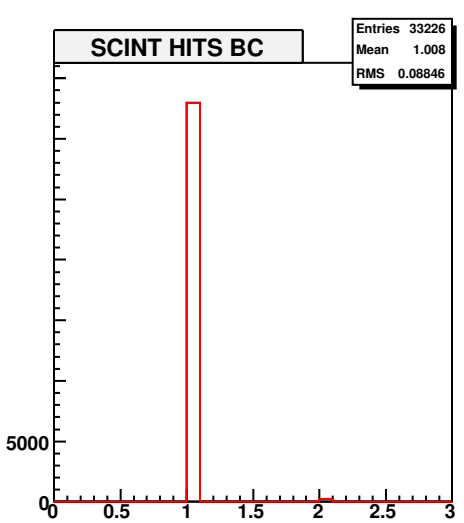




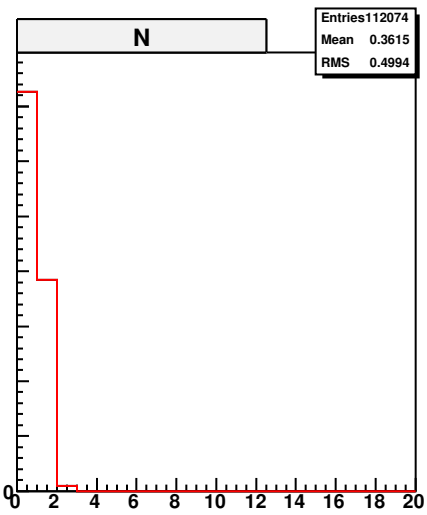


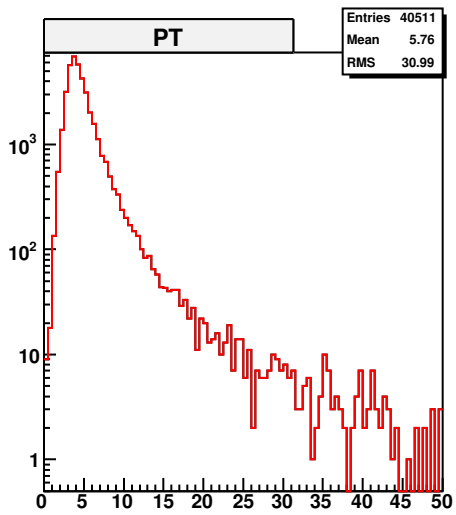


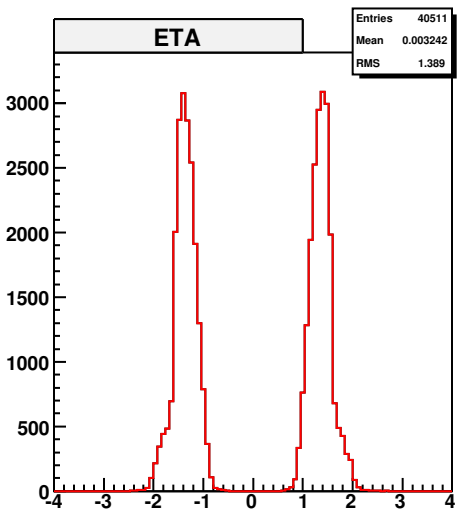


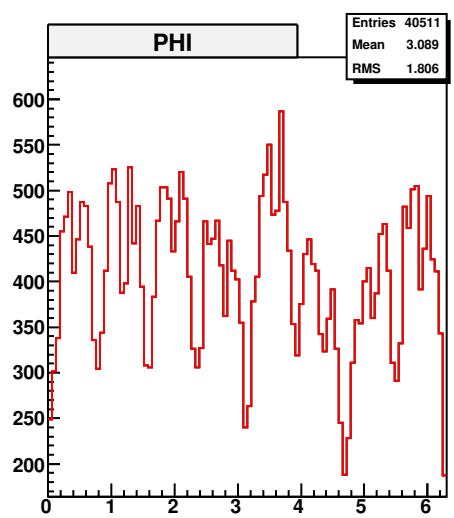


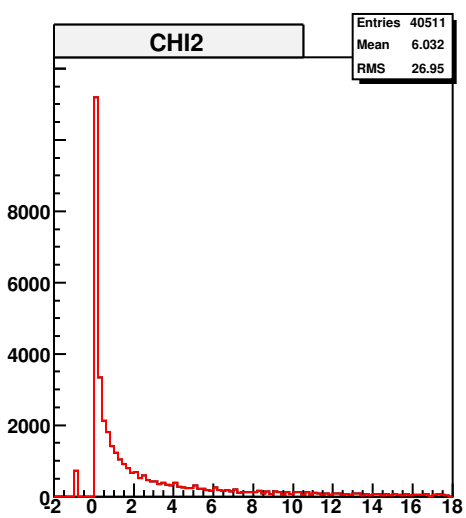
Muon Local Tracks (MediumWamus)

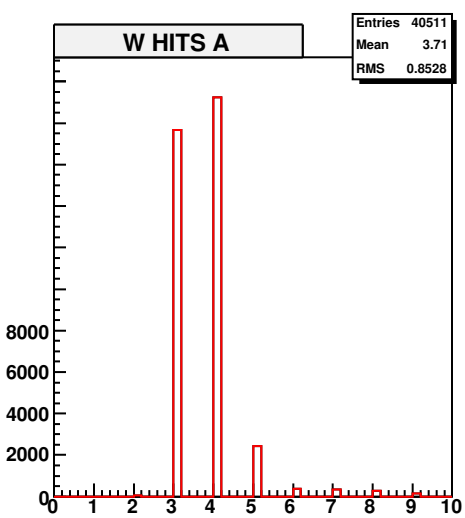


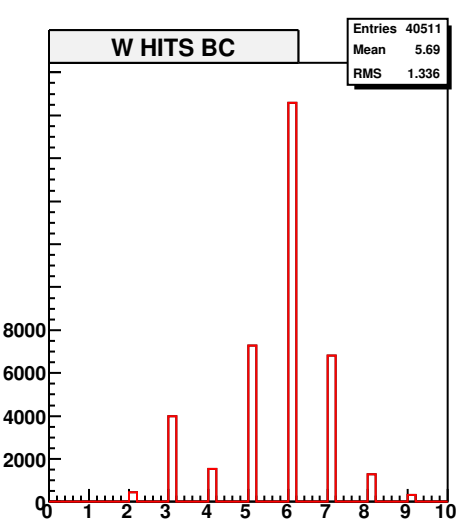


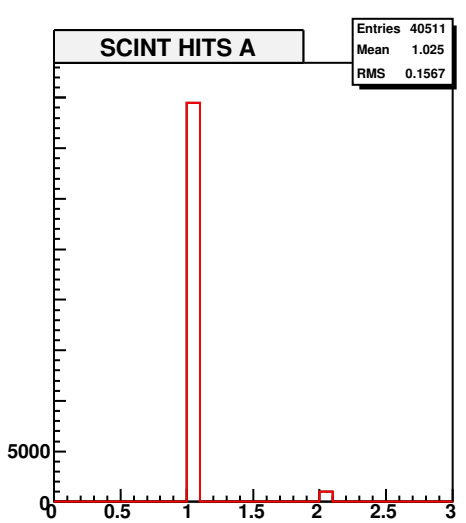


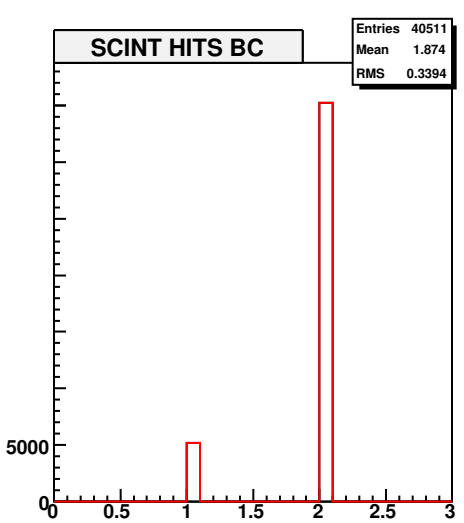




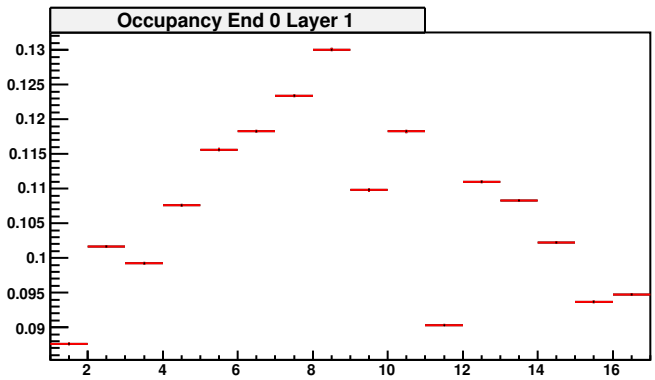


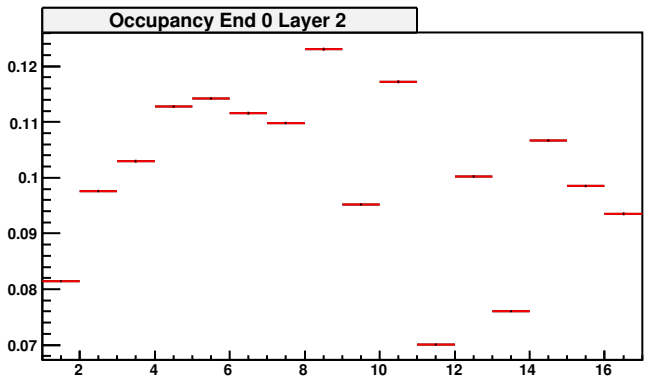


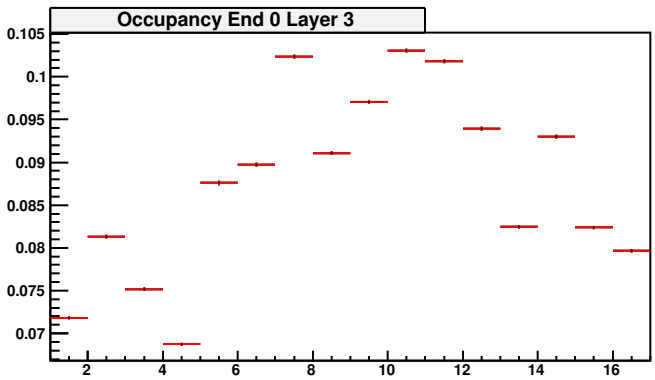


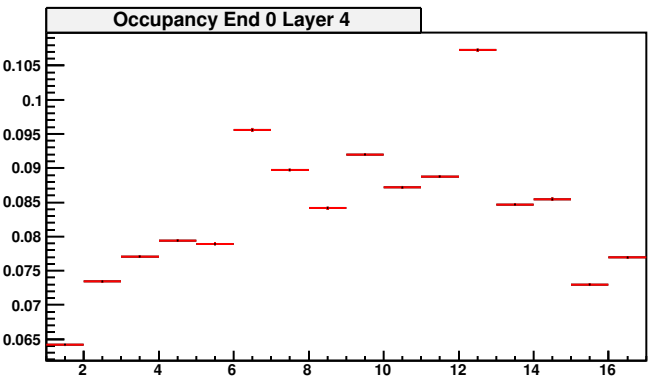


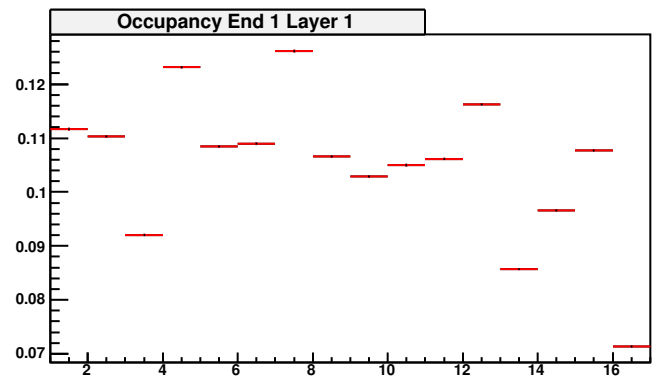
Muon Local Tracks (MediumFamus)

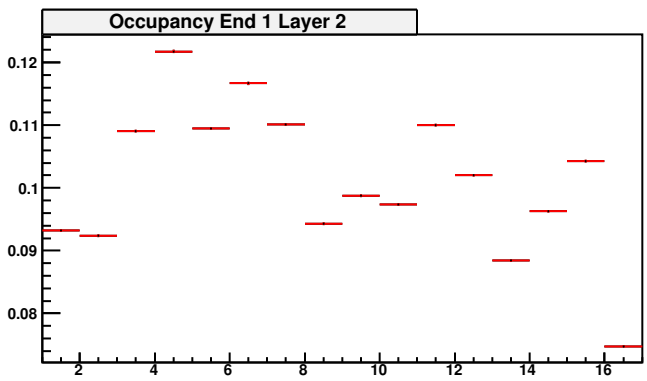


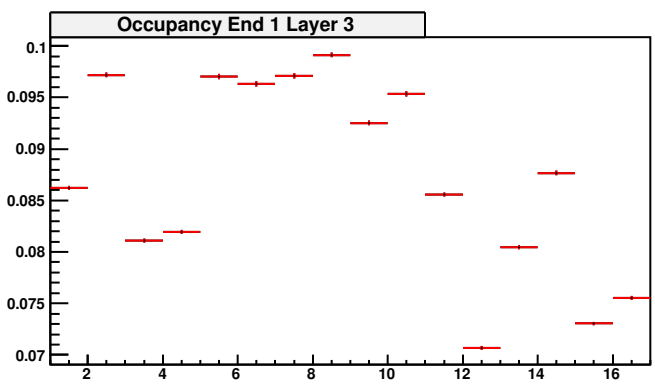


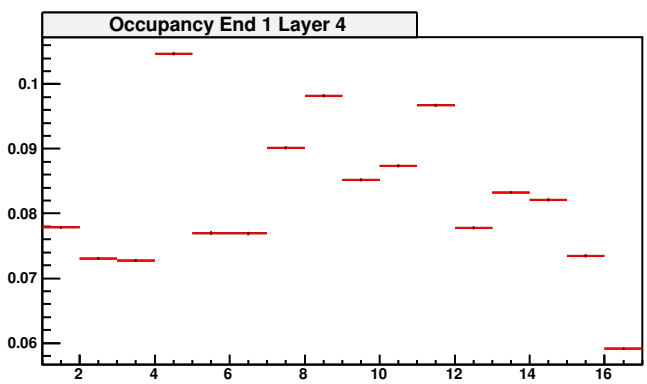




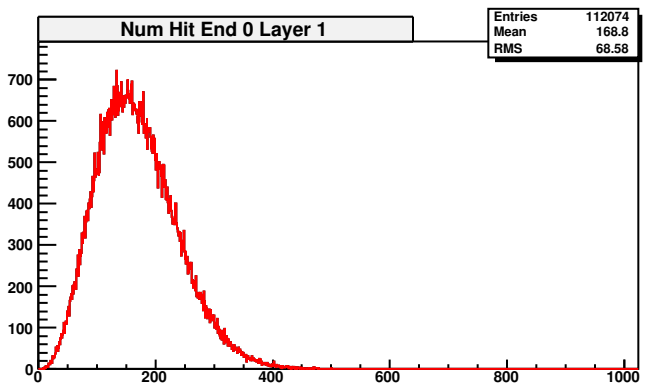


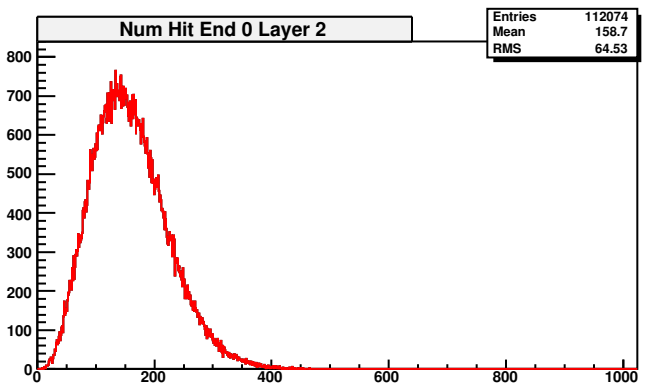


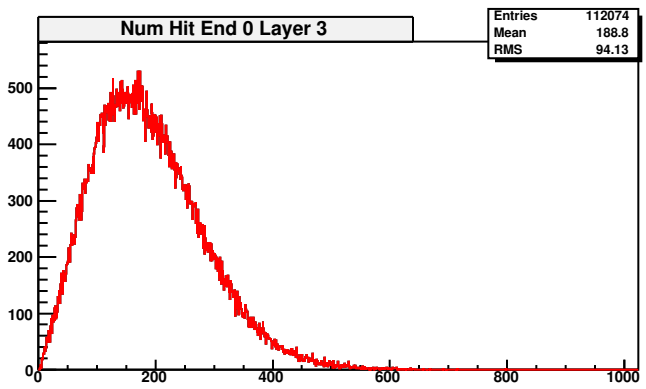


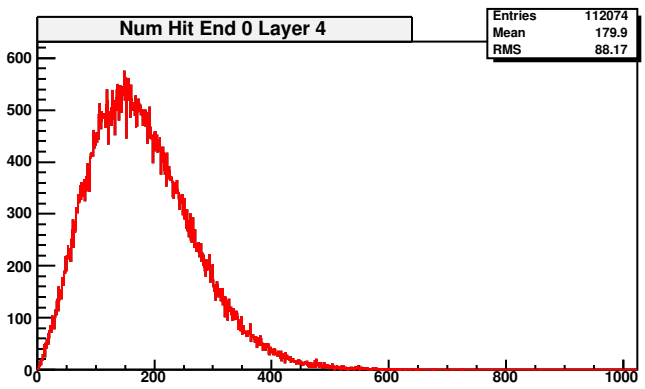


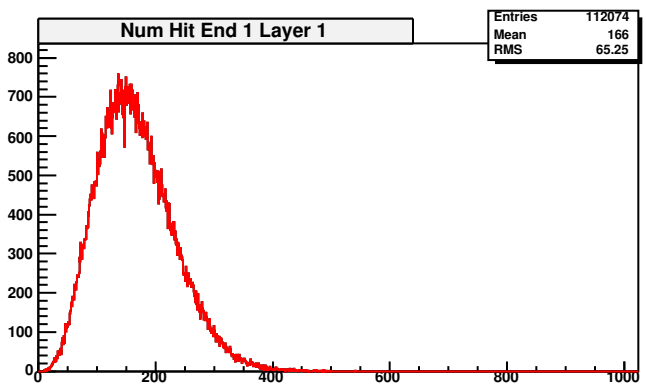
FPS Hit Occupancy (All)

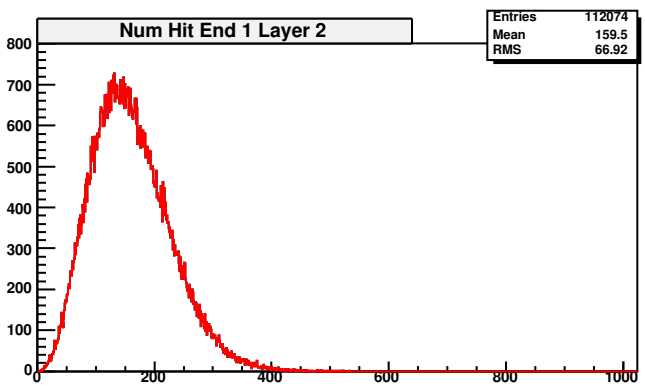


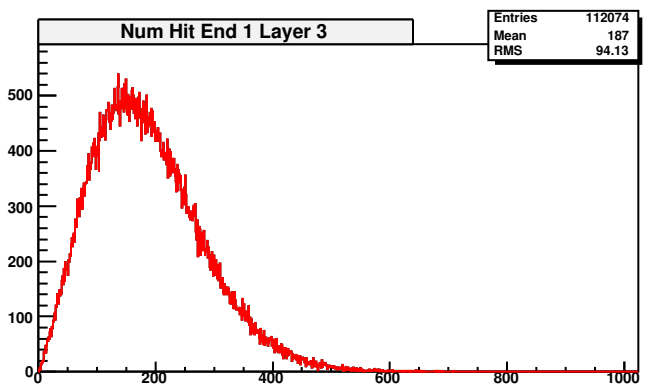


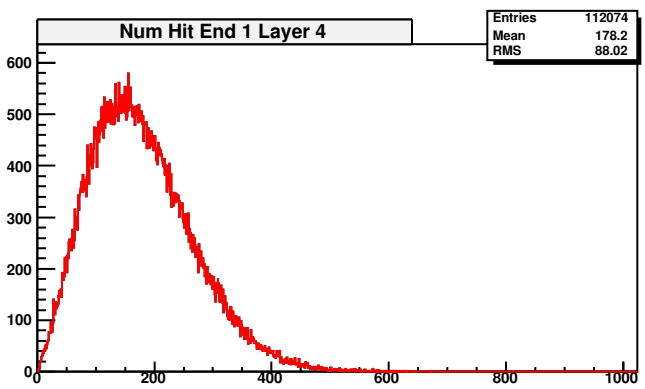




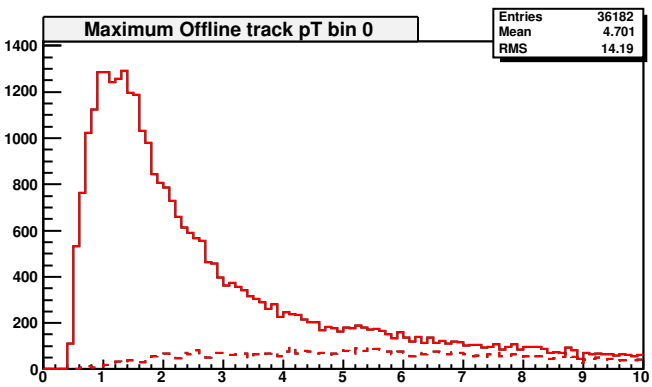


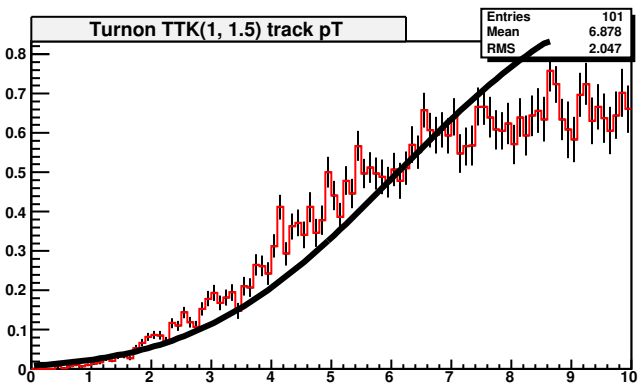


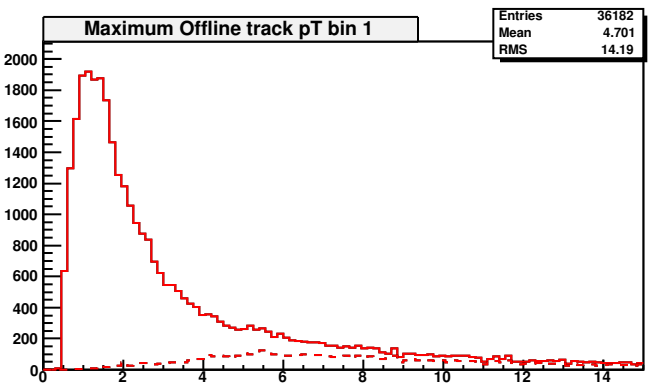


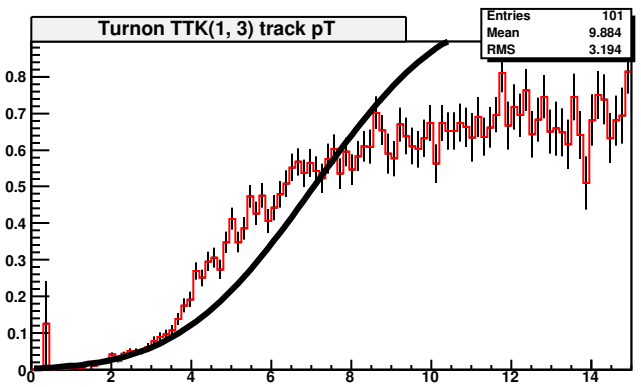


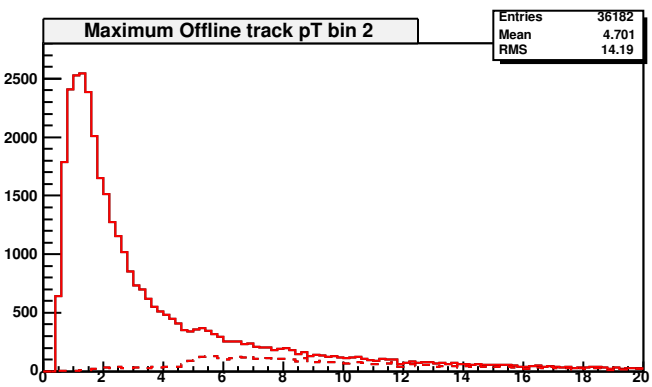
FPS Number of Hits (All)

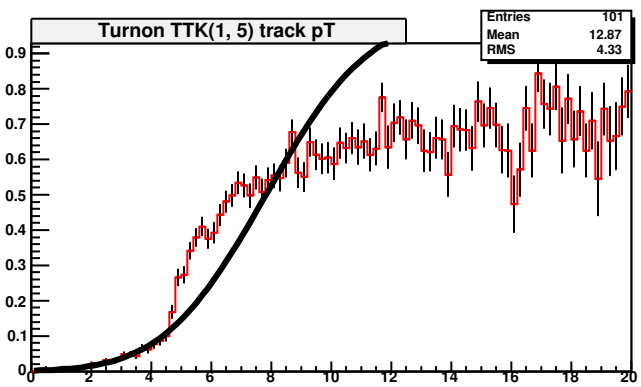


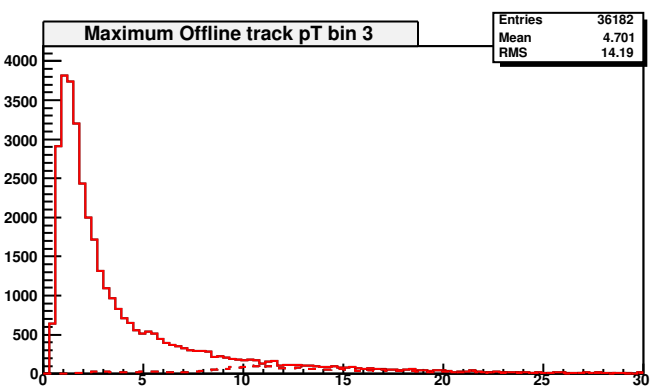


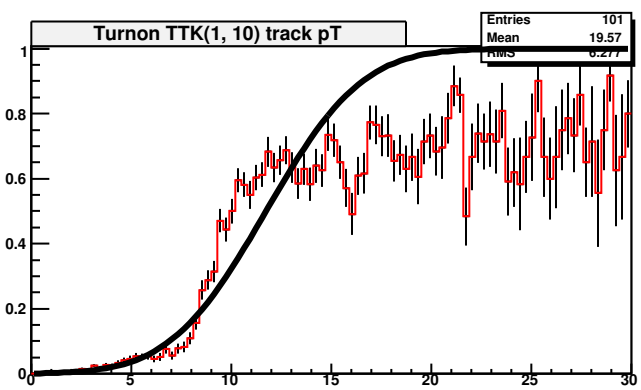




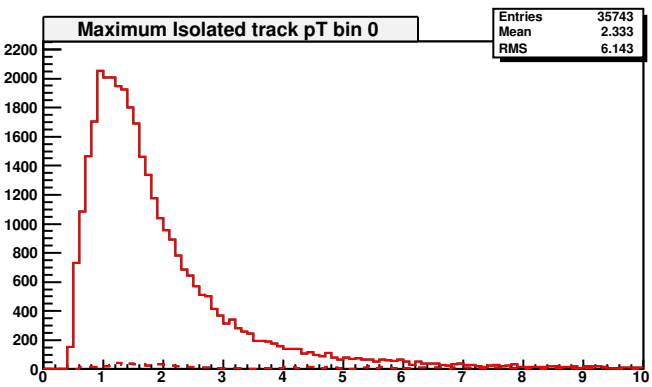


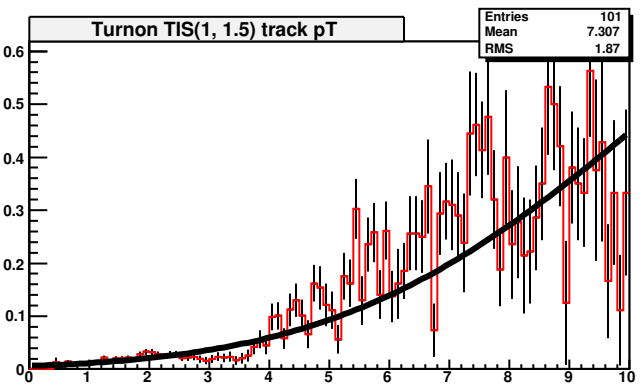


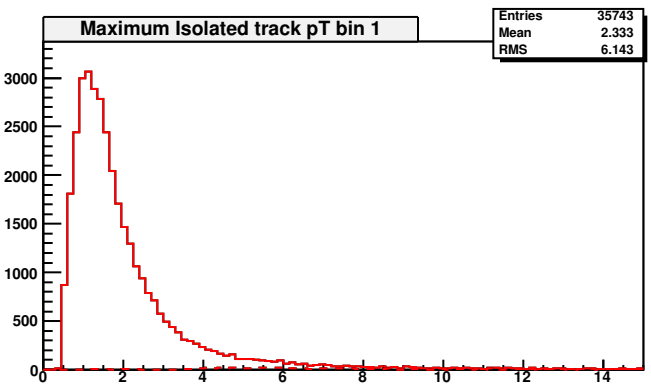


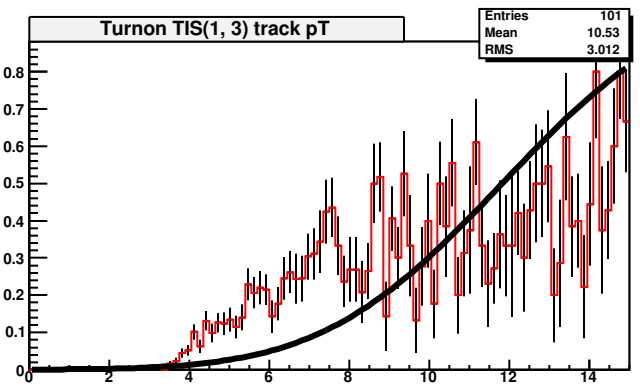


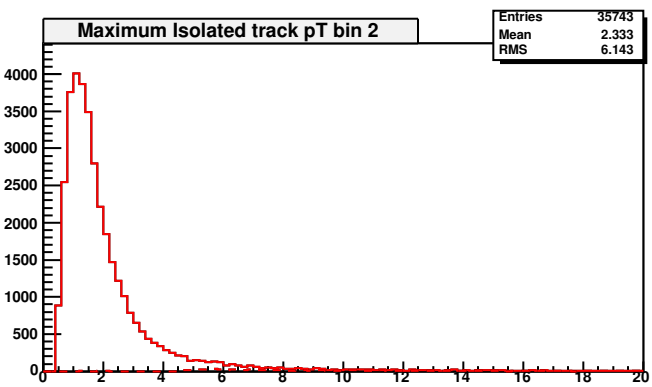
TTK Turnon curves (L1CTT All)

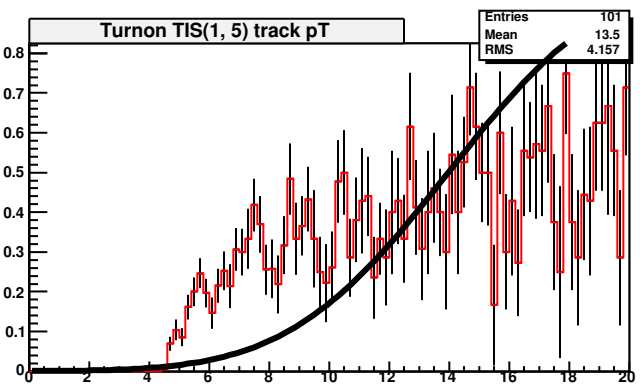


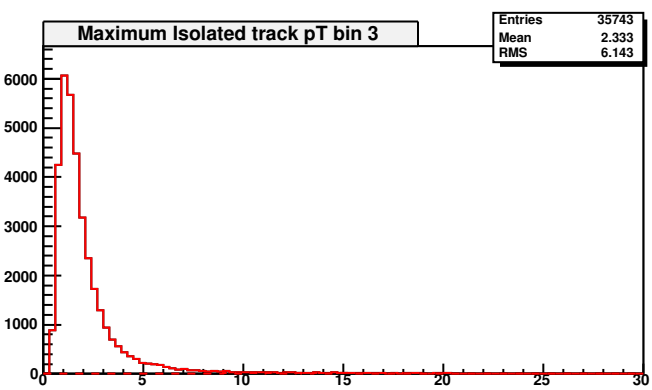


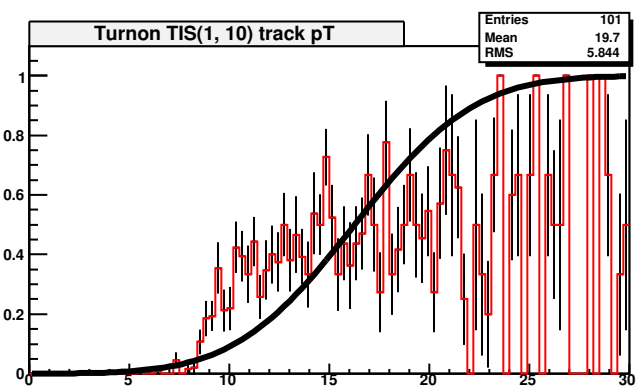




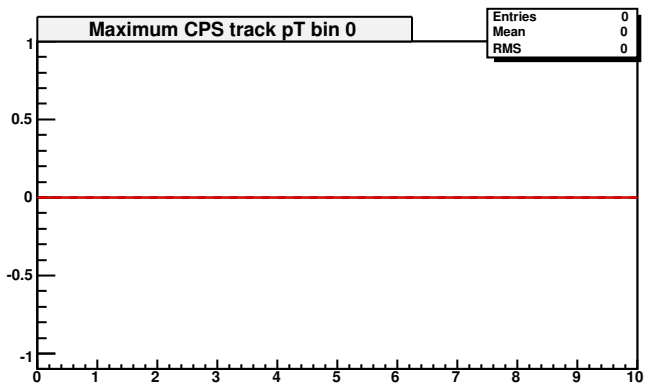


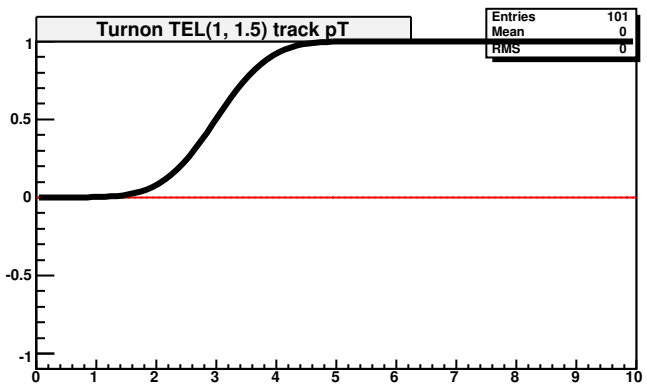


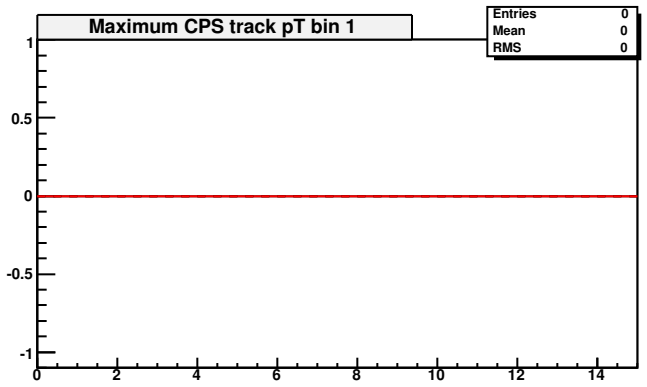


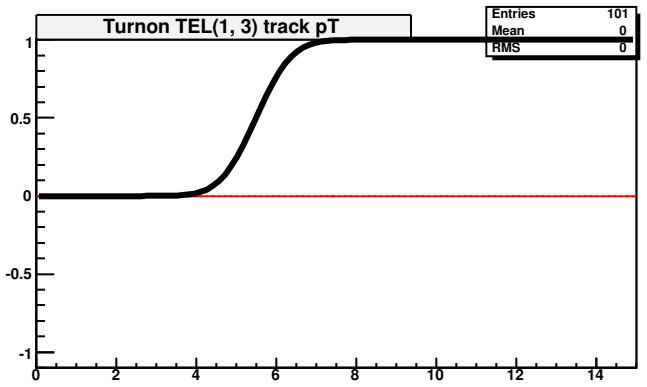


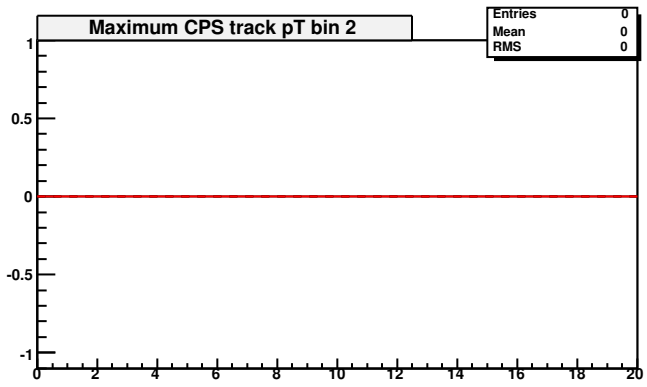
TIS Turnon curves (L1CTT All)

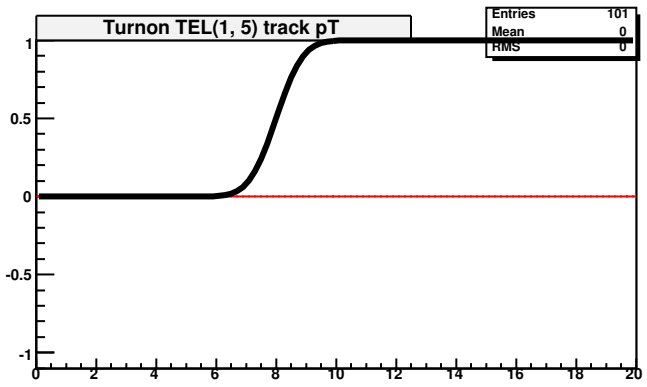


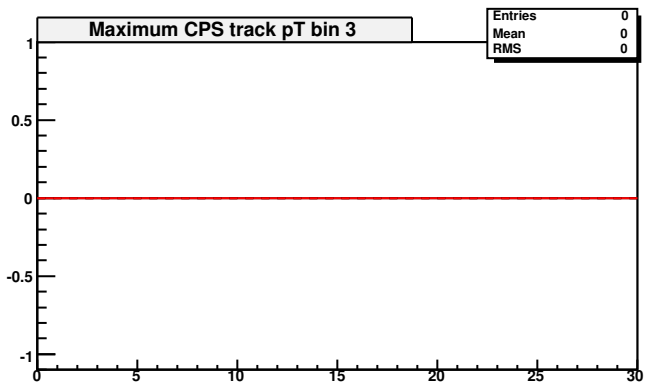


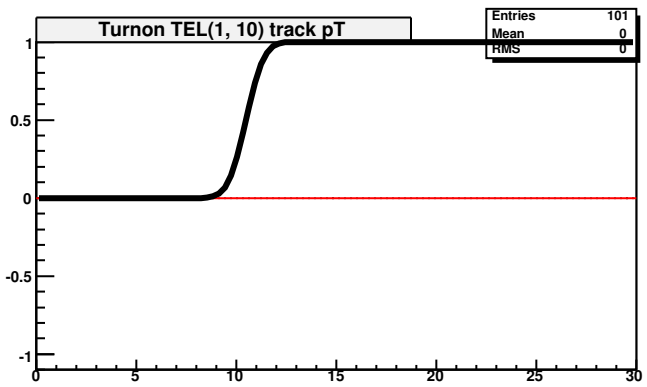




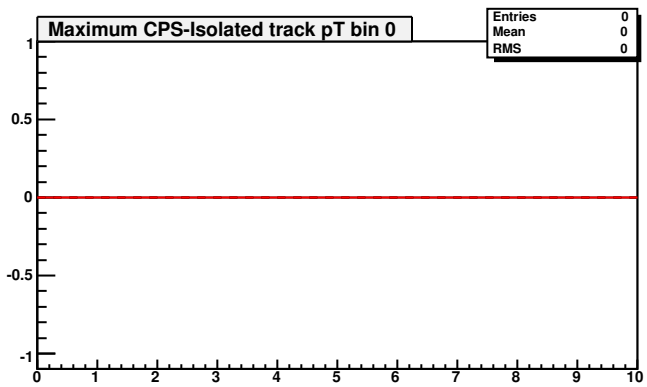


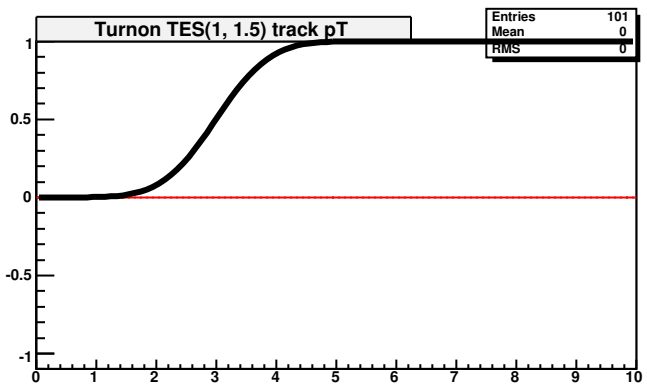


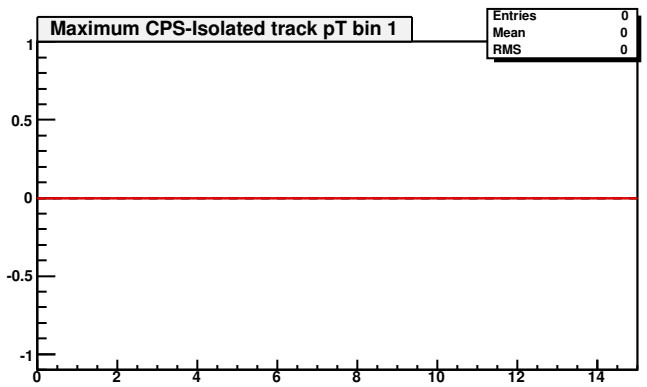


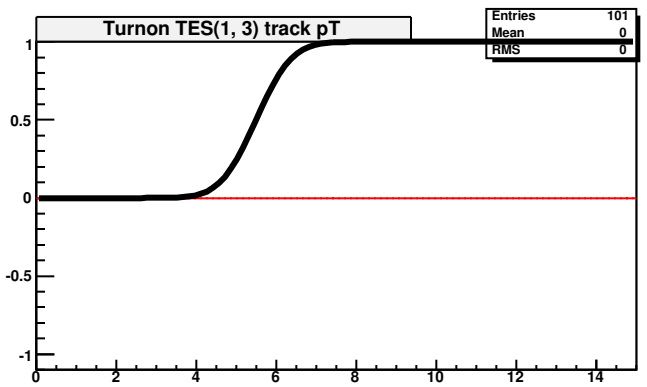


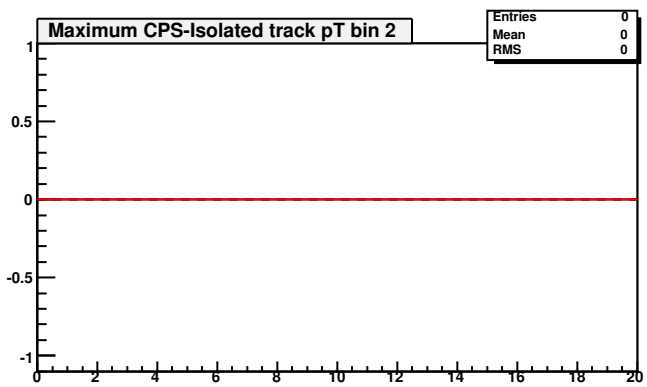
TEL Turnon curves (L1CTT All)

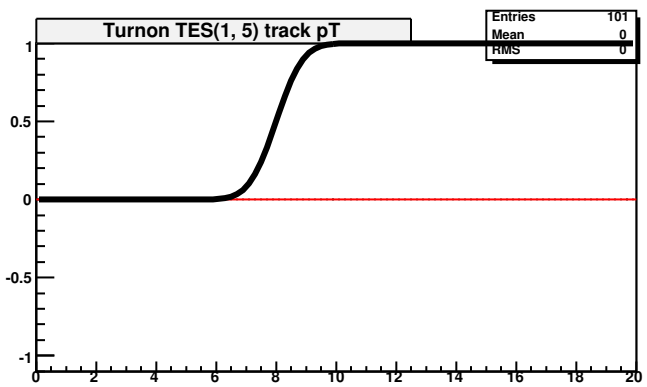


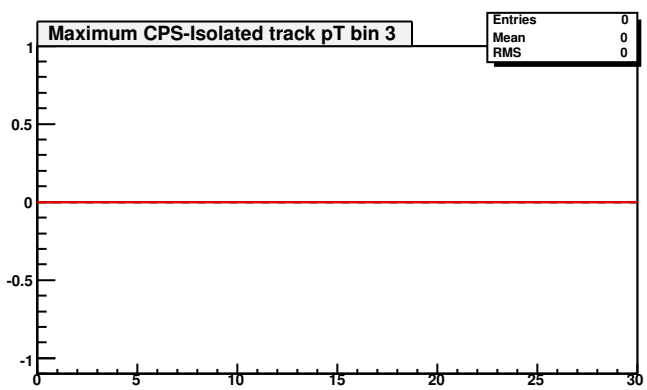


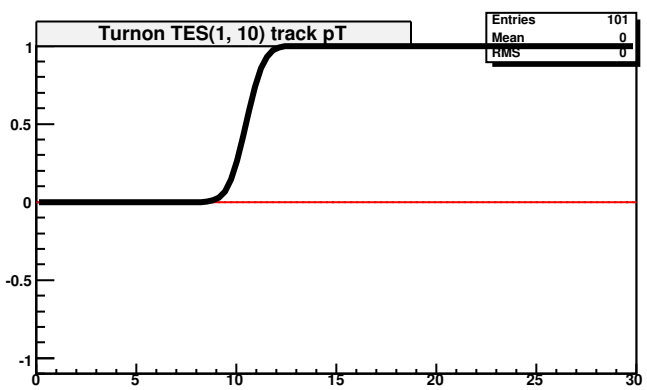




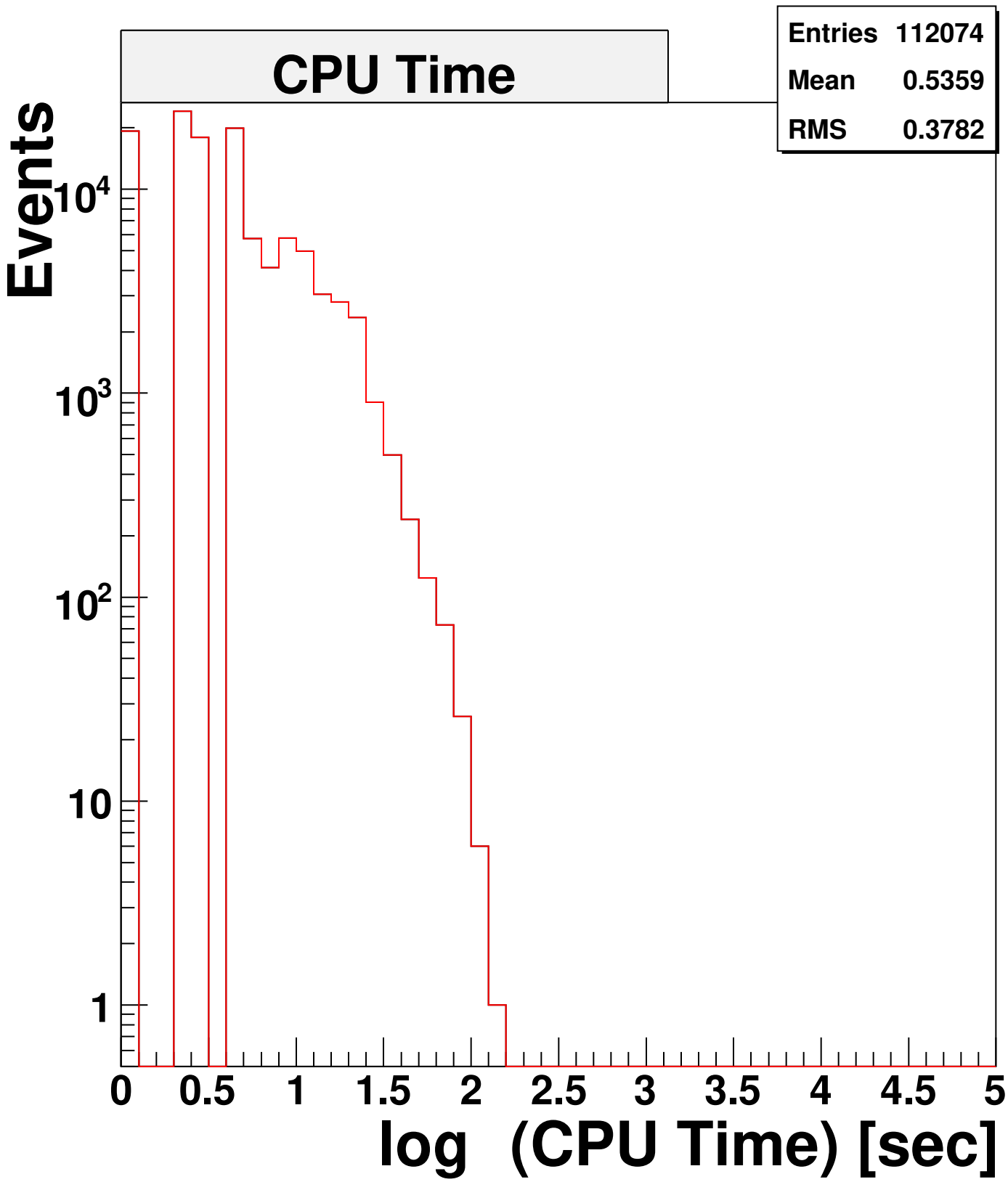








TES Turnon curves (L1CTT All)



RECO Performance (Timing)