dayset-2006-08-27-all_1-224622-0_certification_20070
../unmerged/dayset-2006-08-27-all_1-224622-0_certific

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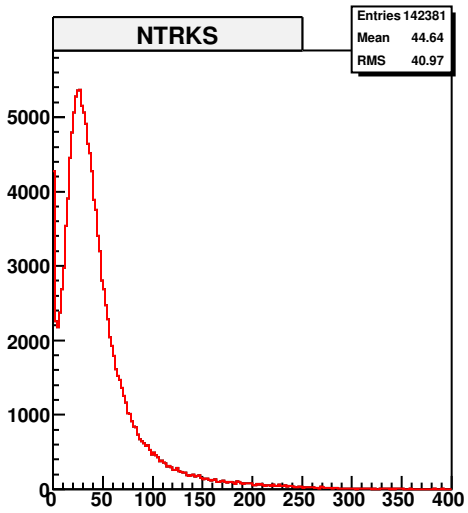
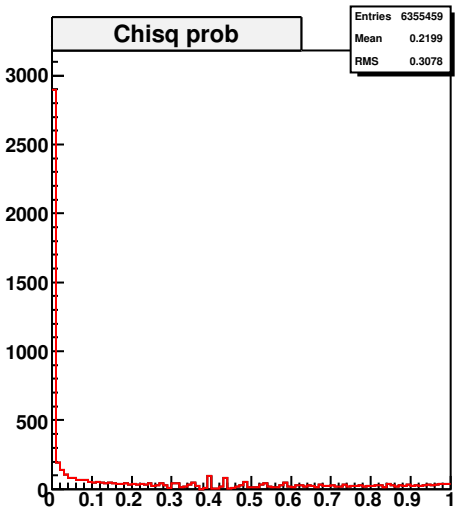
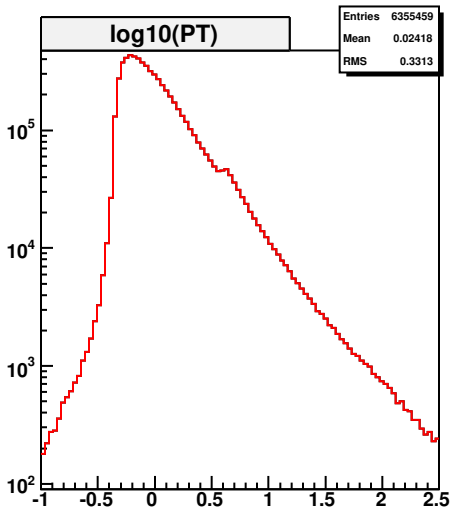
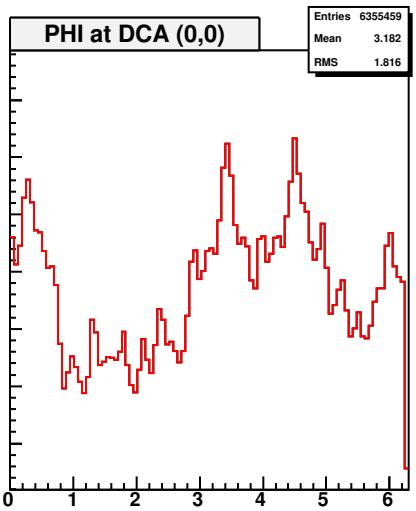
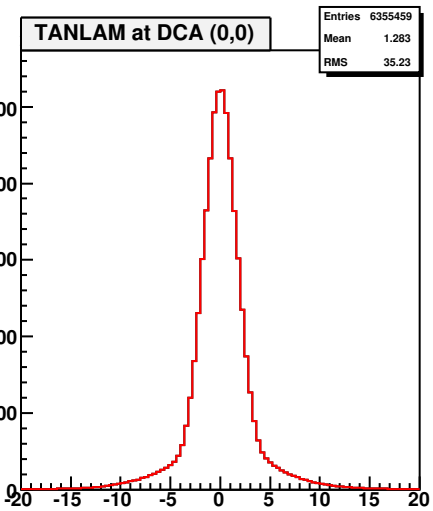
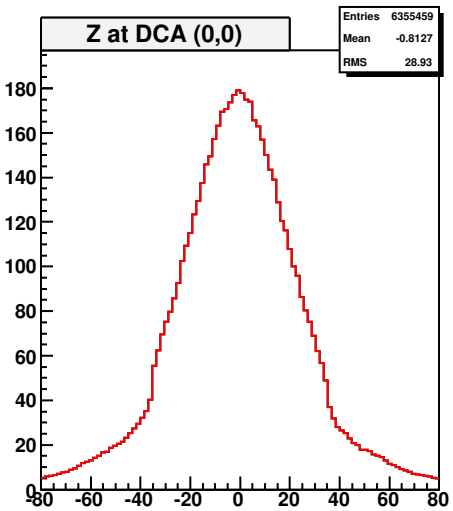

NTRKS
Entries 142381
Mean 44.64
RMS 40.97

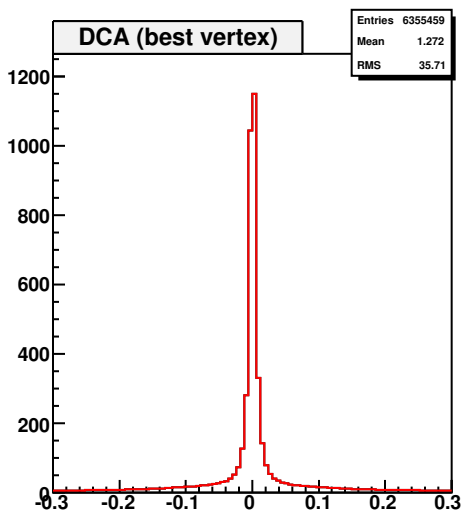

Chisq prob
Entries 6355459
Mean 0.2199
RMS 0.3078

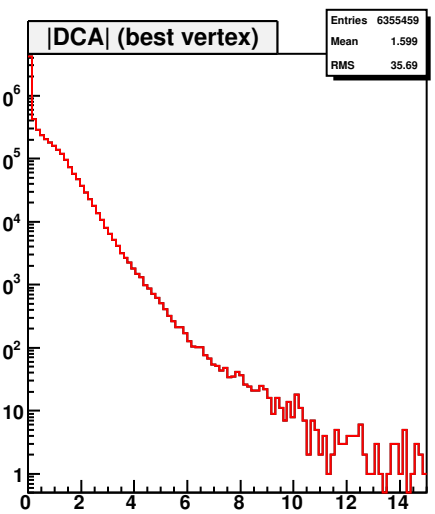

log10(PT)
Entries 6355459
Mean 0.02418
RMS 0.3313

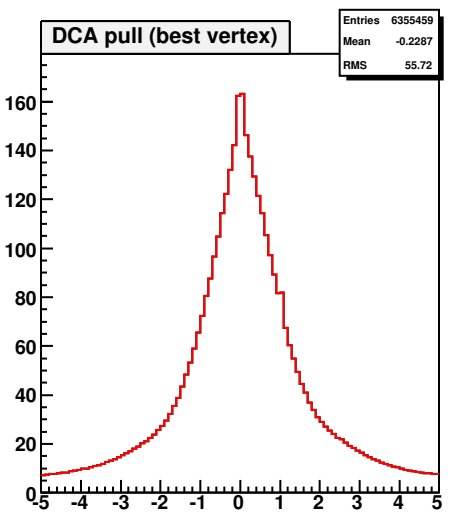

PHI at DCA (0,0)
Entries 6355459
Mean 3.182
RMS 1.816


TANLAM at DCA (0,0)
Entries 6355459
Mean 1.283
RMS 35.23

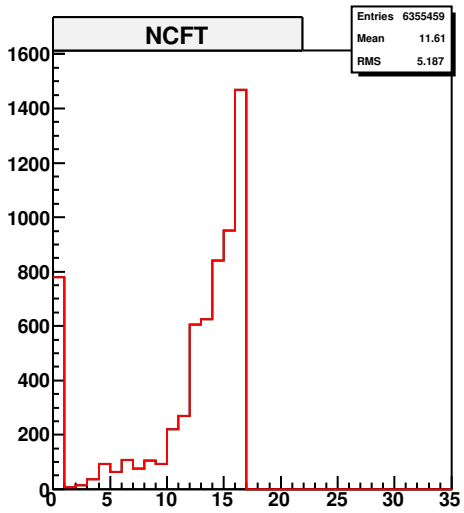

Z at DCA (0,0)
Entries 6355459
Mean -0.8127
RMS 28.93

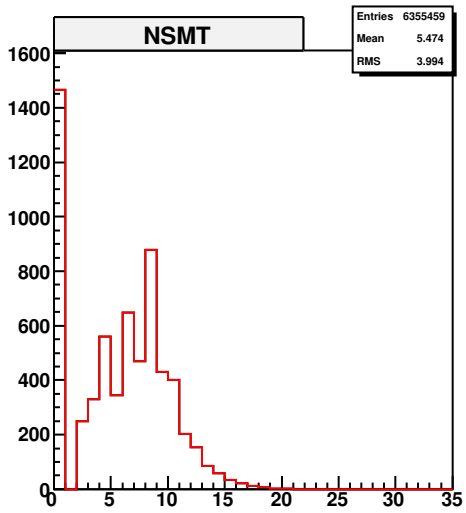

DCA (best vertex)
Entries 6355459
Mean 1.272
RMS 35.71

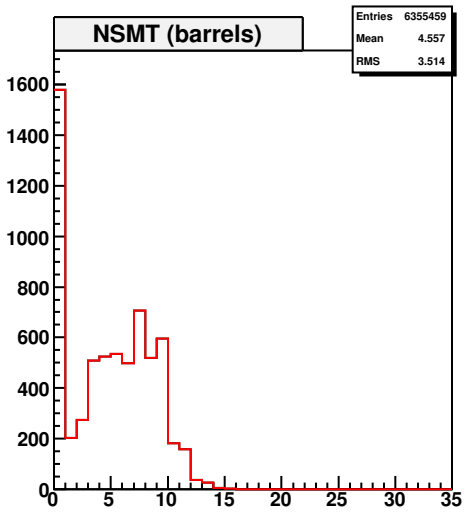

|DCA| (best vertex)
Entries 6355459
Mean 1.599
RMS 35.69

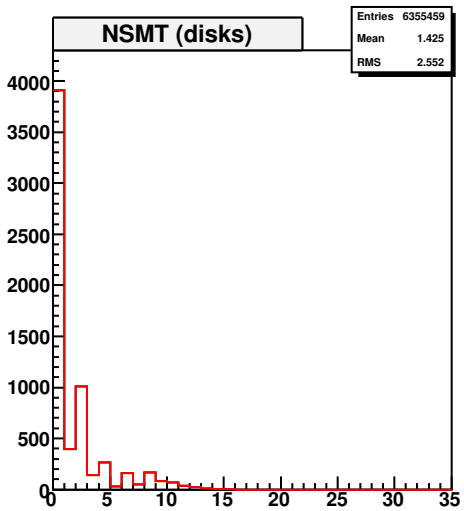

DCA pull (best vertex)
Entries 6355459
Mean -0.2287
RMS 55.72

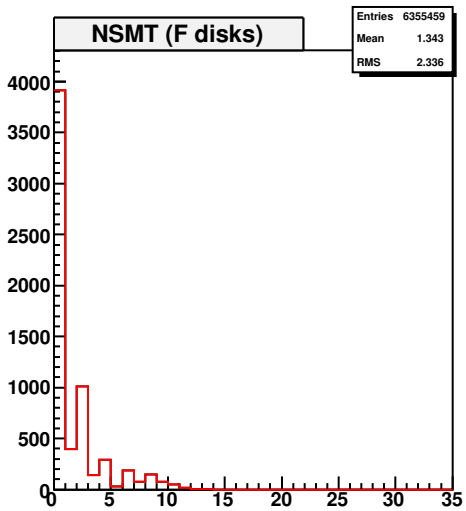
Tracks (All)

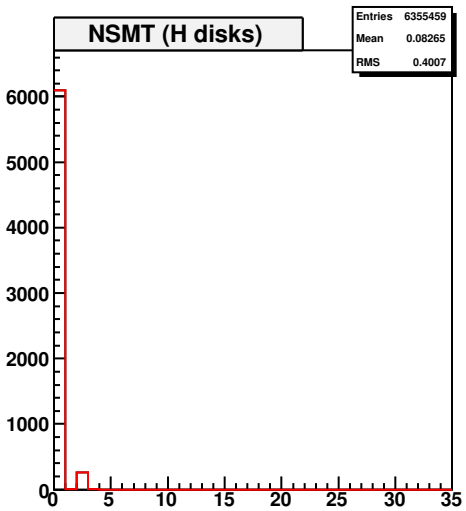


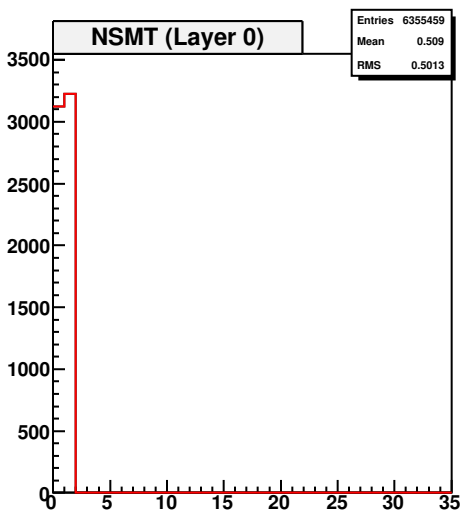




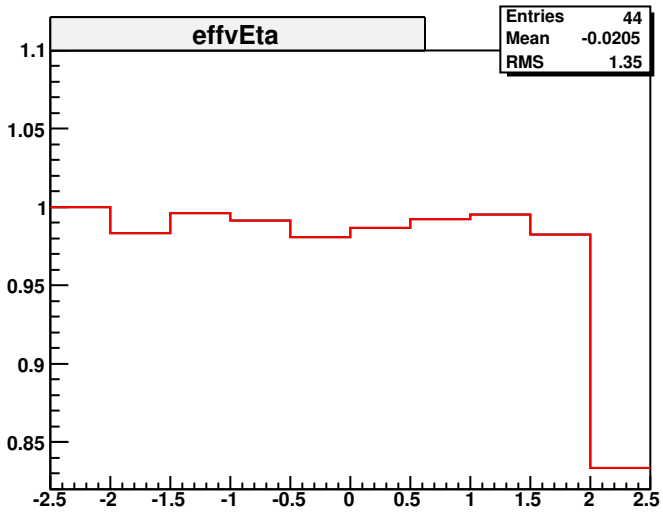


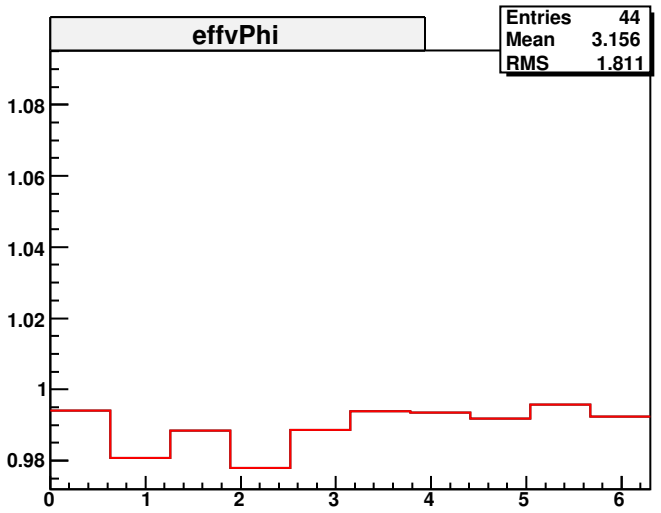


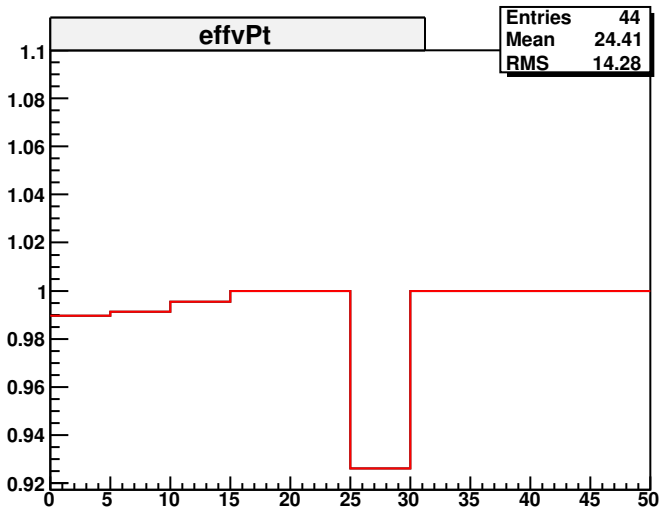


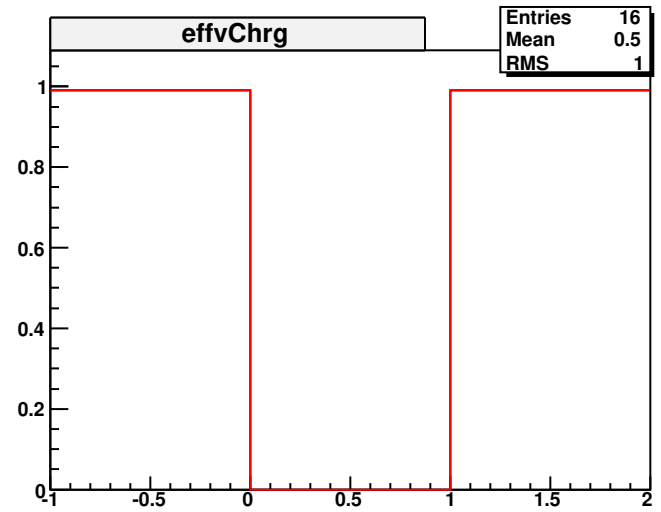


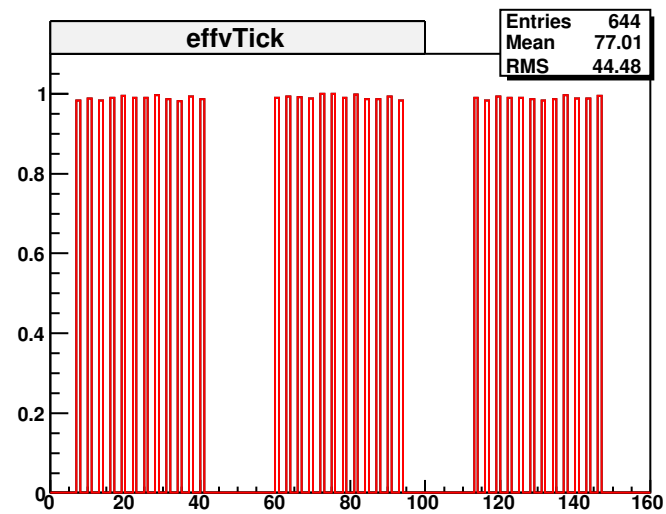
Track Hits (All)

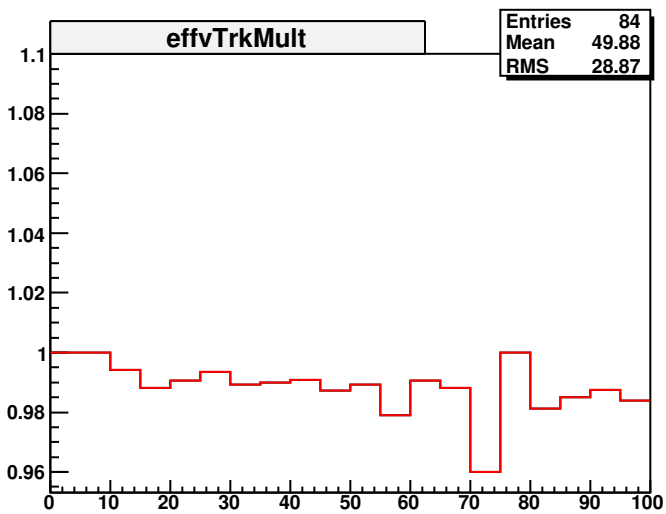




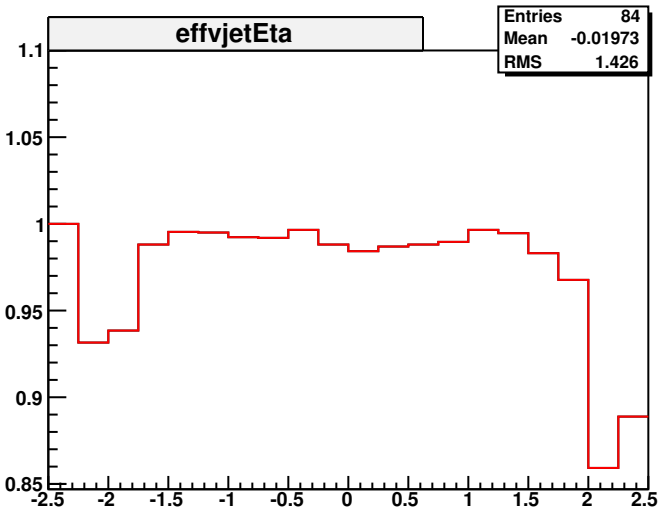


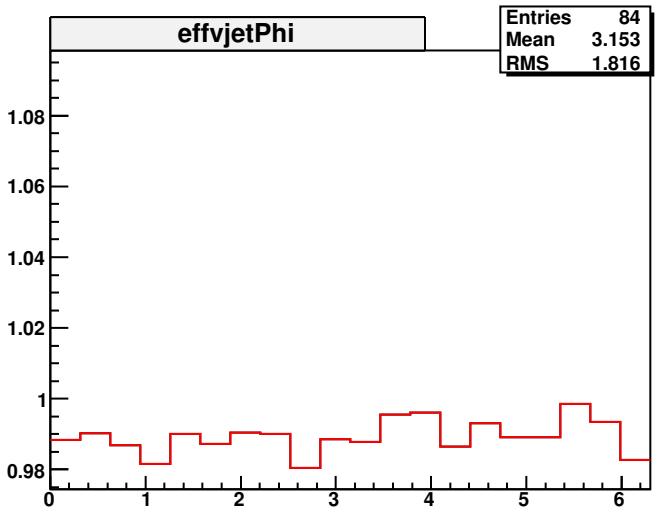


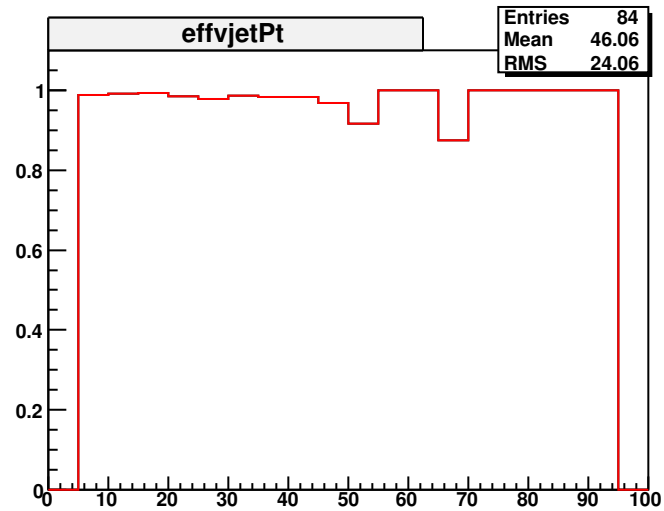




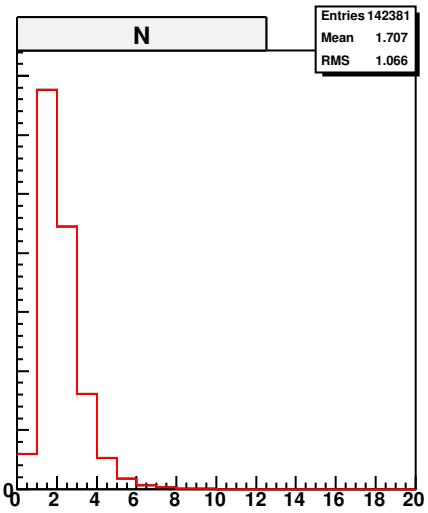
Tracking (Efficiency-Isolated)

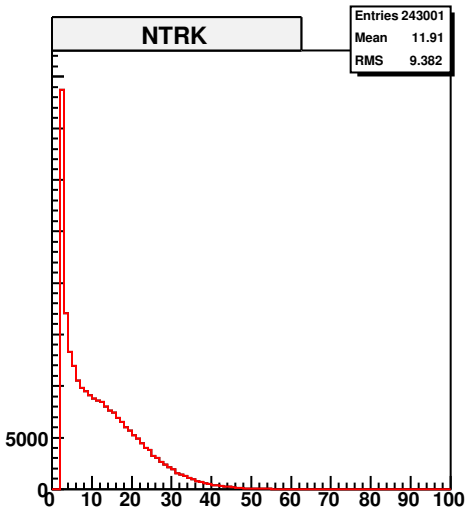


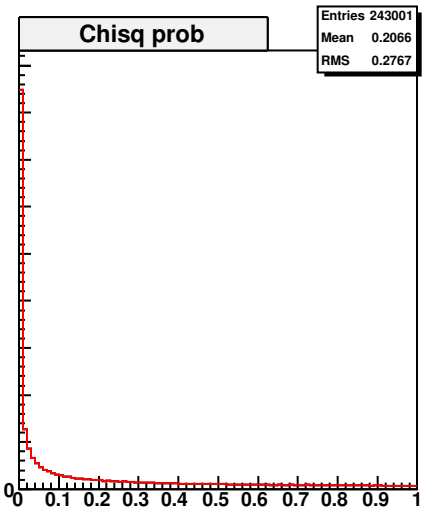


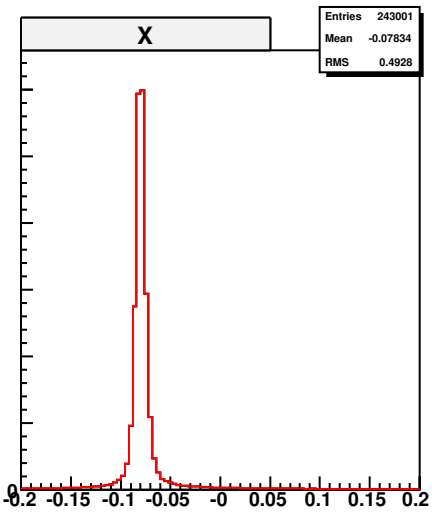


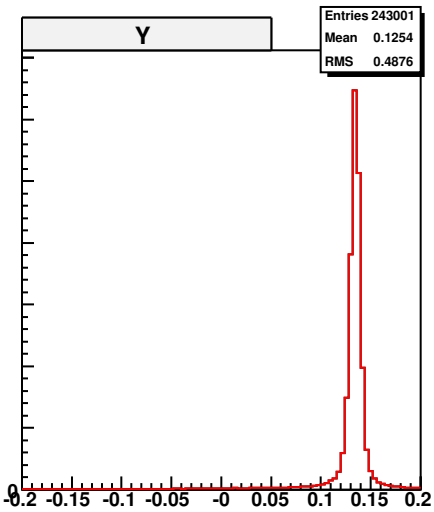
Tracking (Efficiency-InJets)

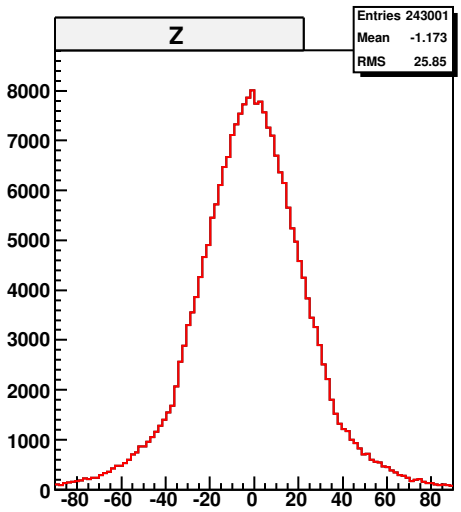




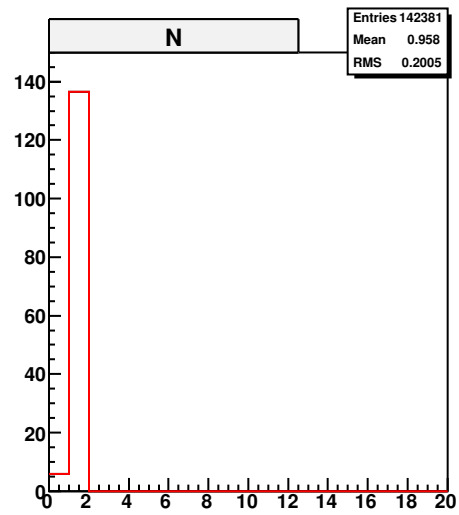


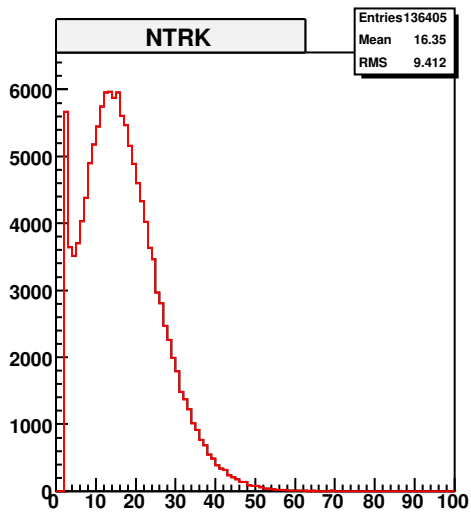


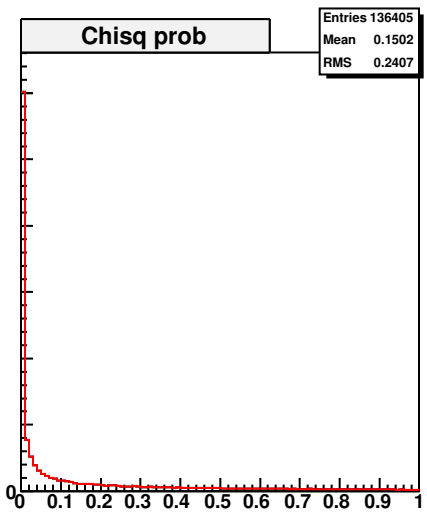


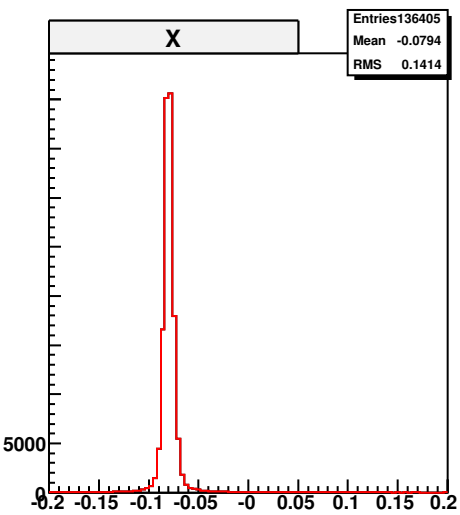


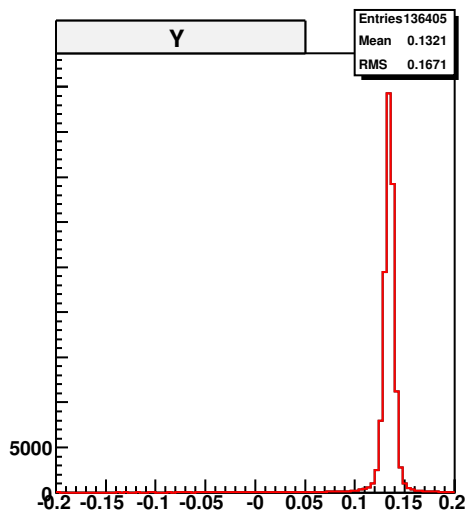
Vertices (Primary - all candidates)

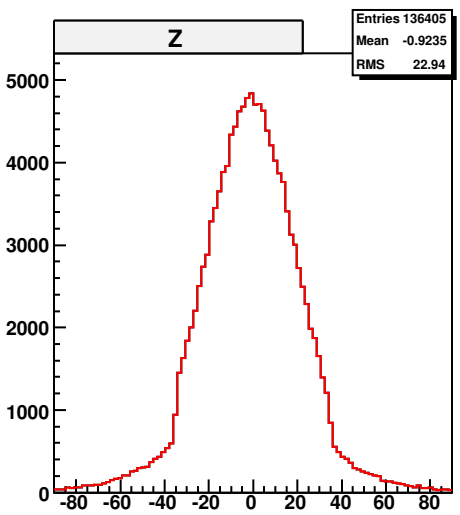




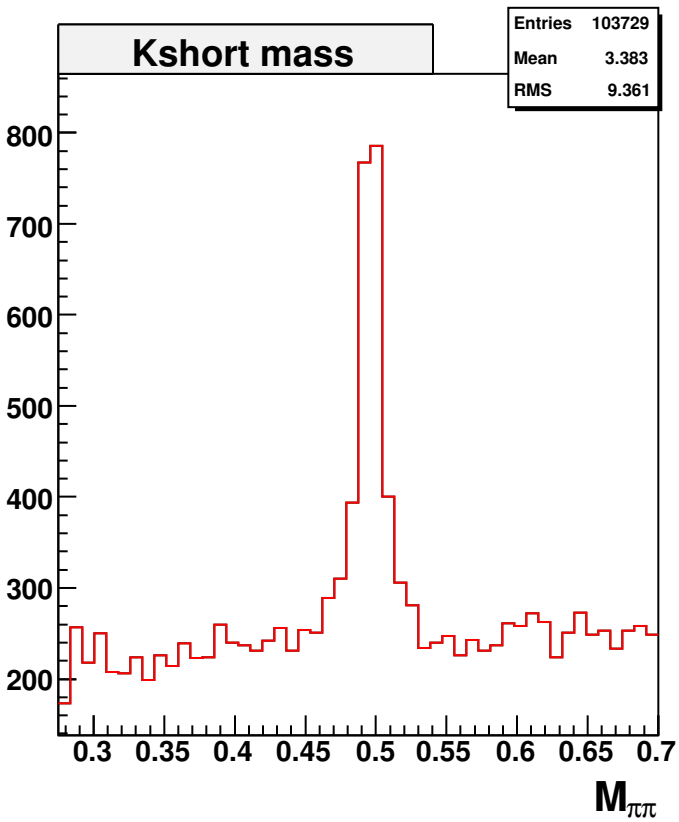


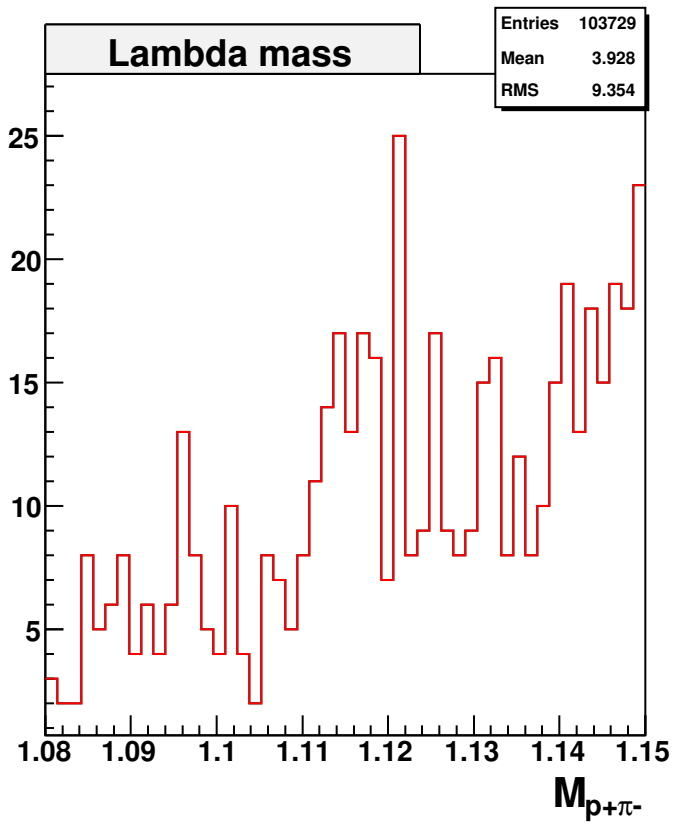


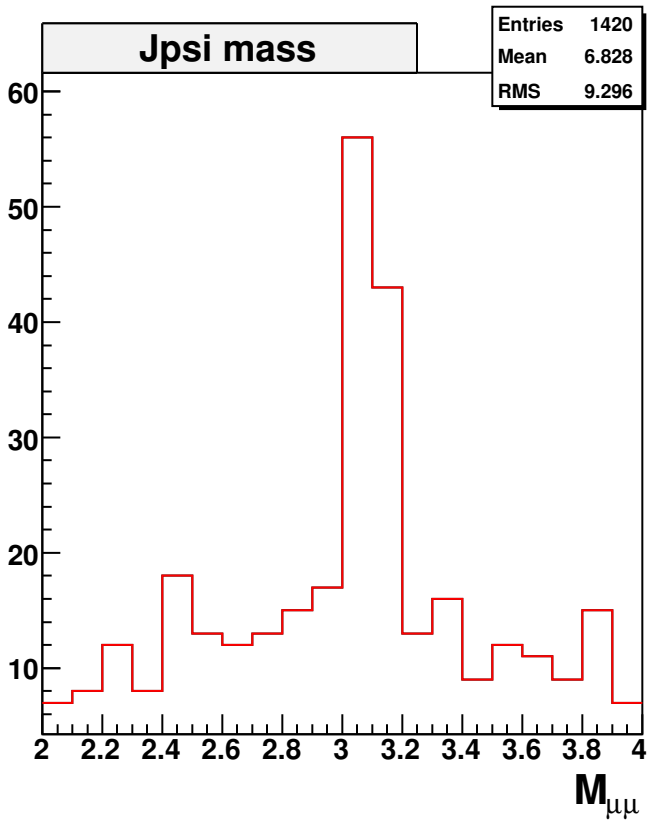


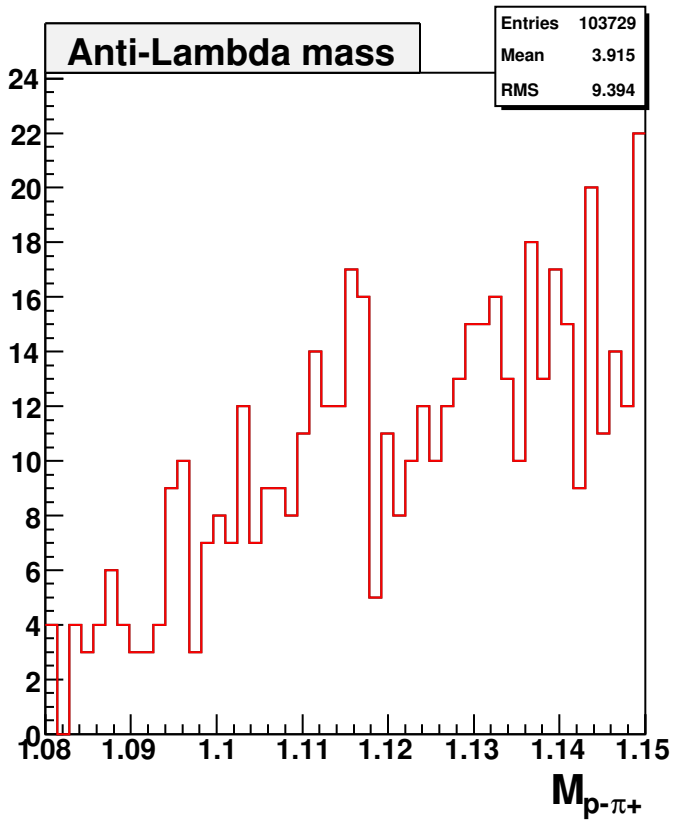


Vertices (Primary - best)

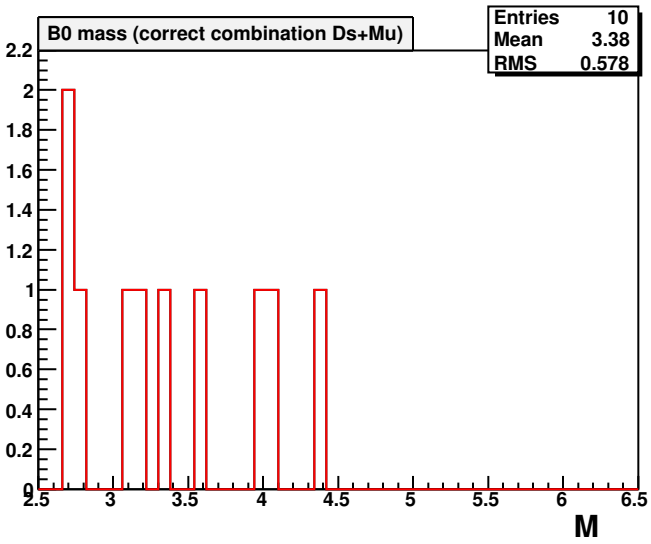

Kshort mass
Entries 103729
Mean 3.383
RMS 9.361
800
700
600
500
400
300
200
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

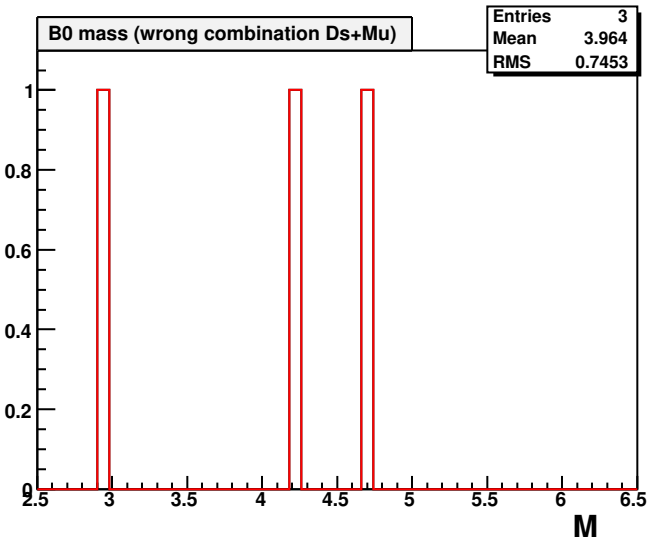

Lambda mass
Entries 103729
Mean 3.928
RMS 9.354
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

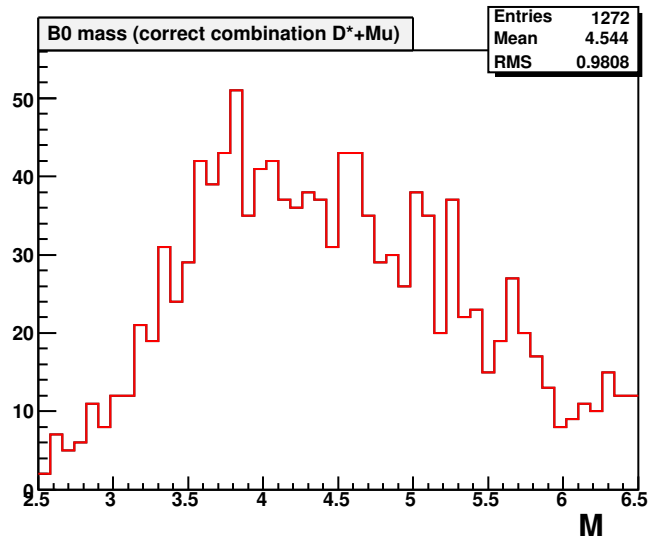

Jpsi mass
Entries 1420
Mean 6.828
RMS 9.296
60
50
40
30
20
10
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

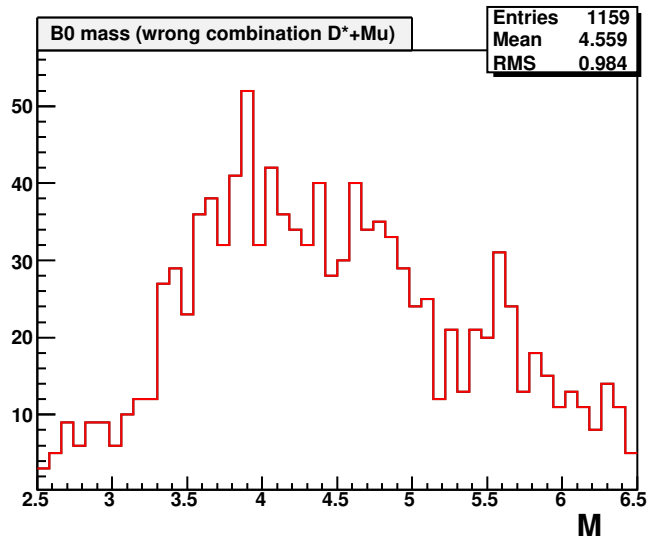

Anti-Lambda mass
Entries 103729
Mean 3.915
RMS 9.394
24
22
20
18
16
14
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

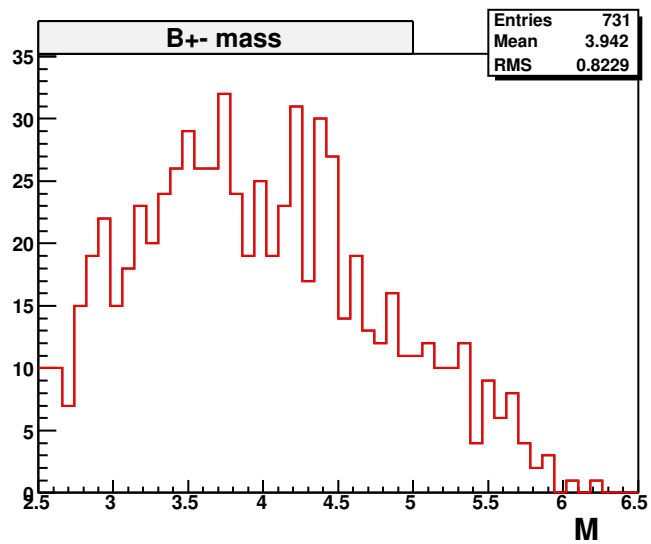
V0 (All)



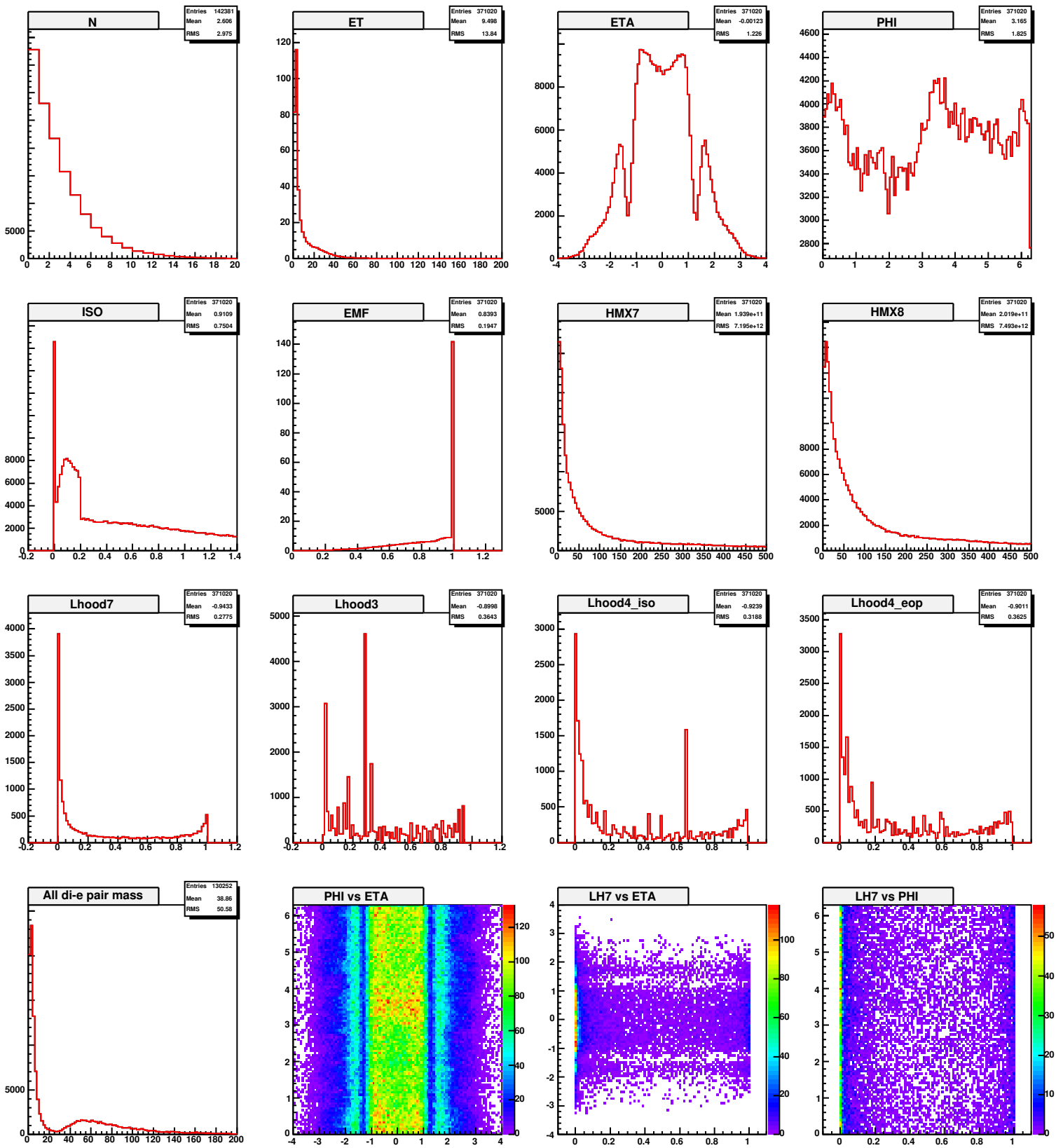




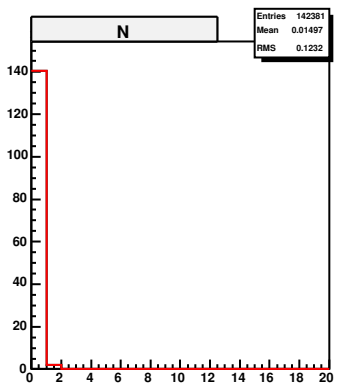


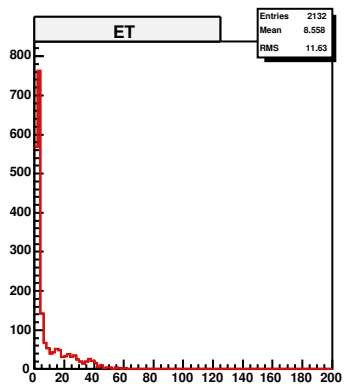


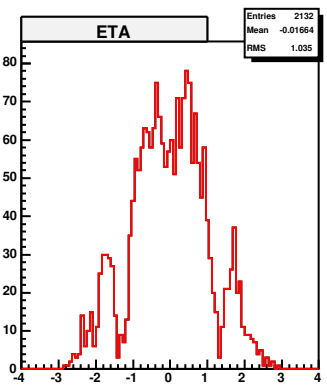
V0(B mesons) (All)

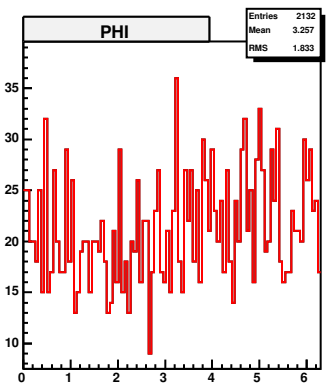


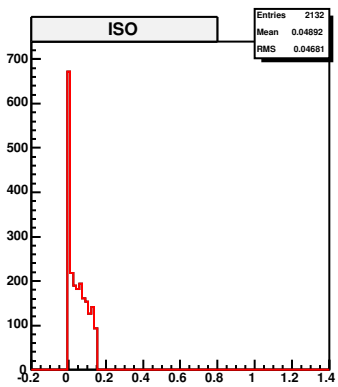
Electrons (SCONE All)

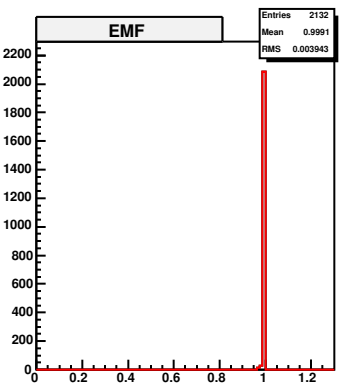


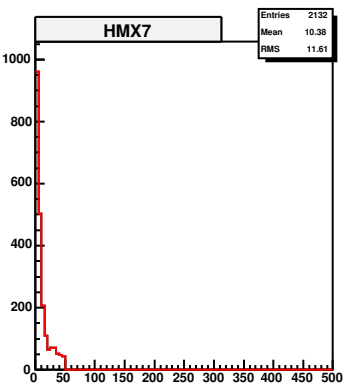


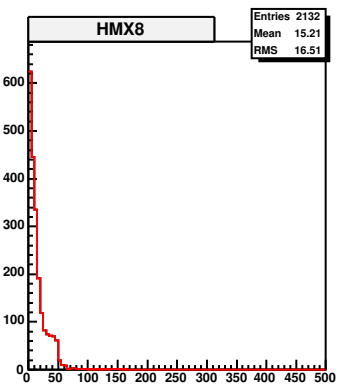


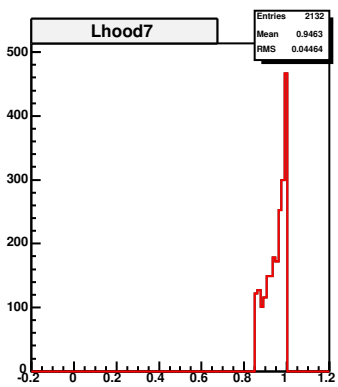


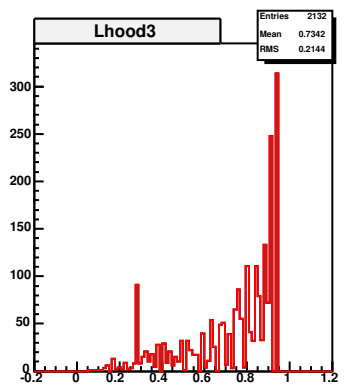


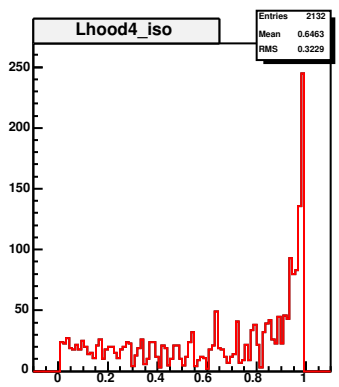


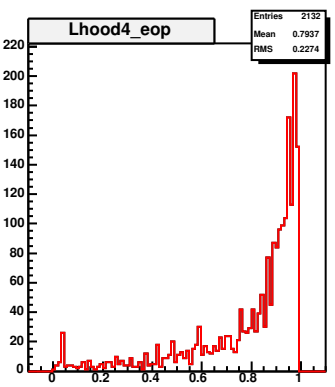


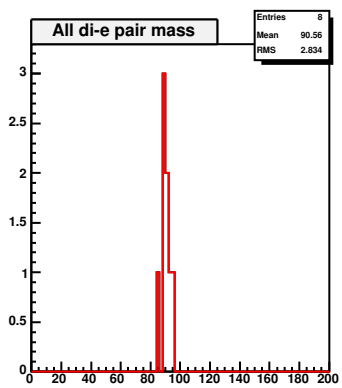


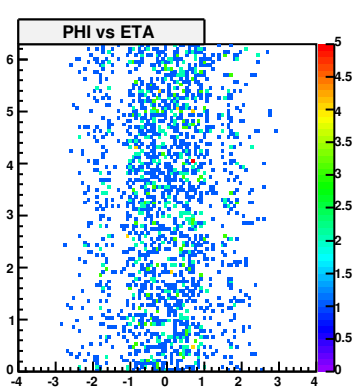


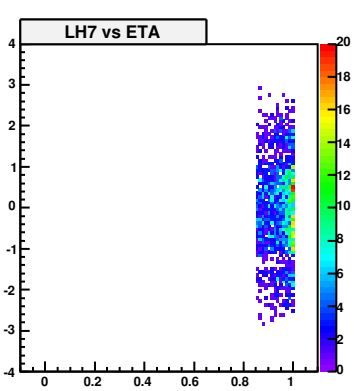


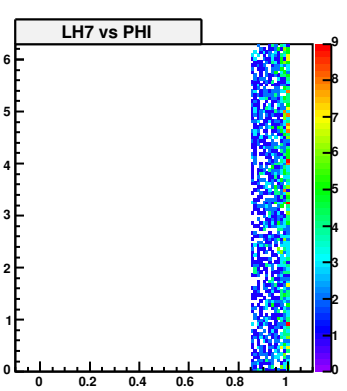




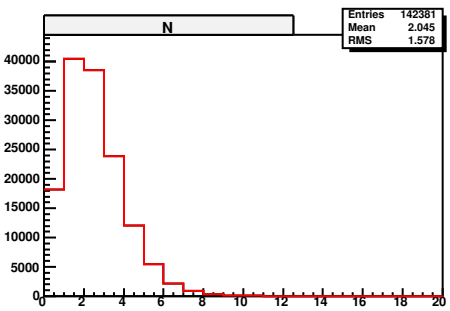


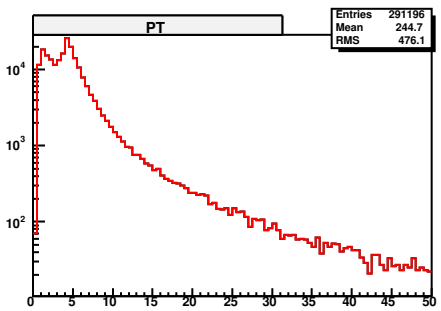


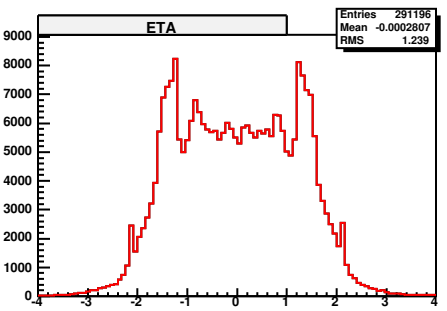


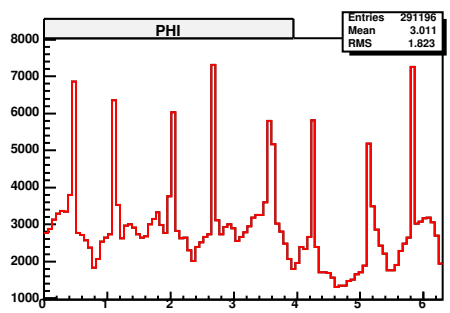


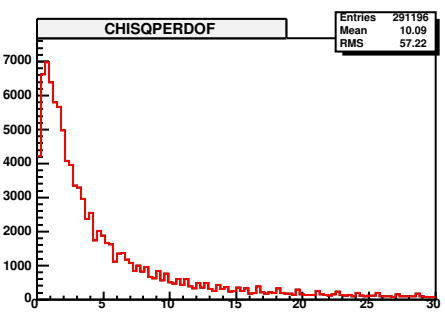
Electrons (SCONE Tight)

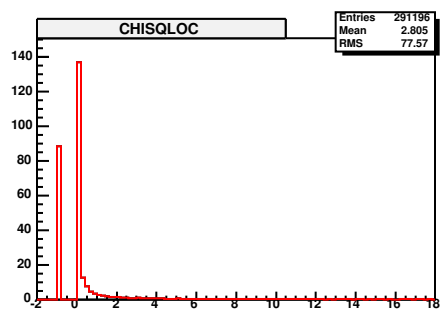

N
Entries 142381
Mean 2.045
RMS 1.578

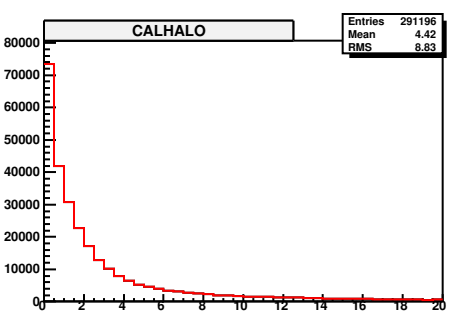

PT
Entries 291196
Mean 244.7
RMS 476.1

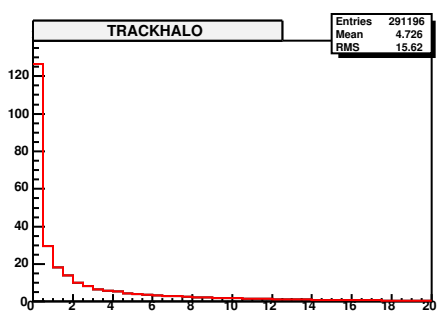

ETA
Entries 291196
Mean -0.0002807
RMS 1.239

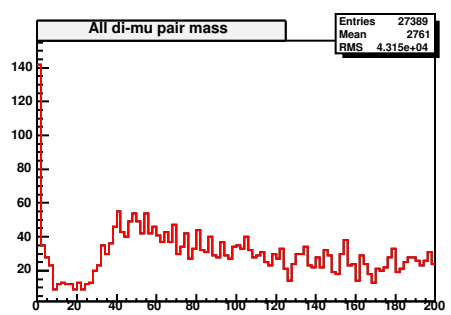

PHI
Entries 291196
Mean 3.011
RMS 1.823

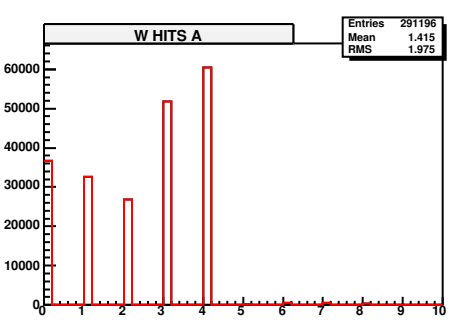

CHISQPERDOF
Entries 291196
Mean 10.09
RMS 57.22

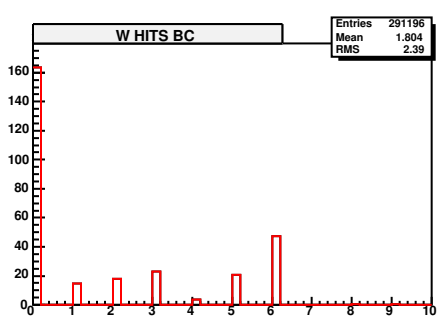

CHISQLOC
Entries 291196
Mean 2.805
RMS 77.57

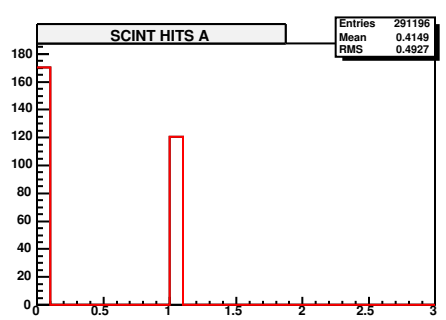

CALHALO
Entries 291196
Mean 4.42
RMS 8.83

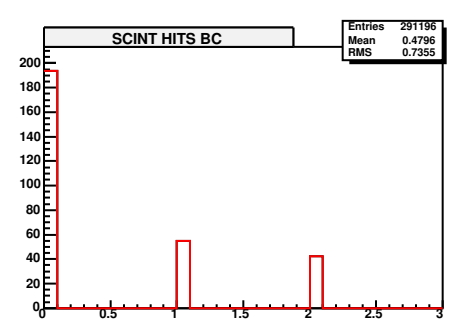

TRACKHALO
Entries 291196
Mean 4.726
RMS 15.62


All di-mu pair mass
Entries 27389
Mean 2761
RMS 4.315e+04

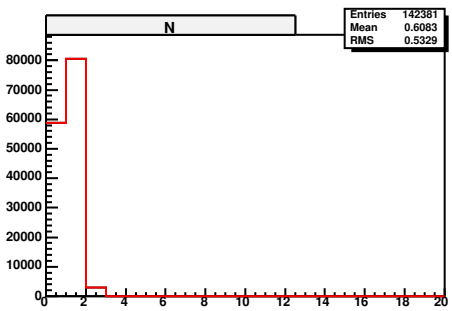

W HITS A
Entries 291196
Mean 1.415
RMS 1.975

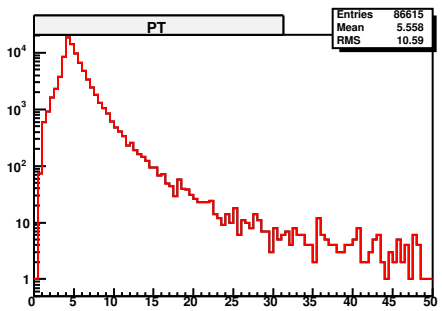

W HITS BC
Entries 291196
Mean 1.804
RMS 2.39

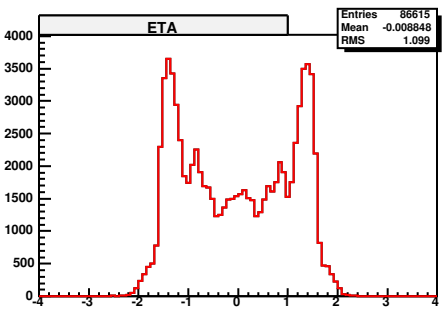

SCINT HITS A
Entries 291196
Mean 0.4149
RMS 0.4927

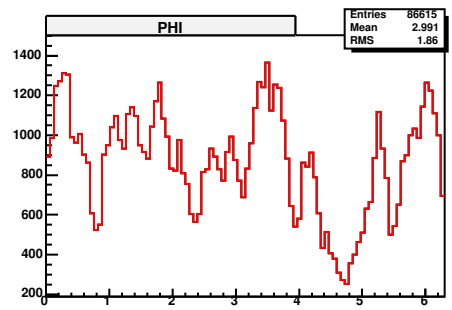

SCINT HITS BC
Entries 291196
Mean 0.4796
RMS 0.7355

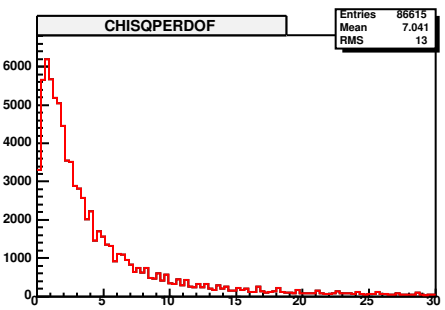
Muons (All)

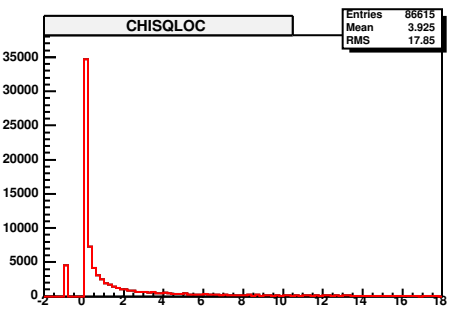


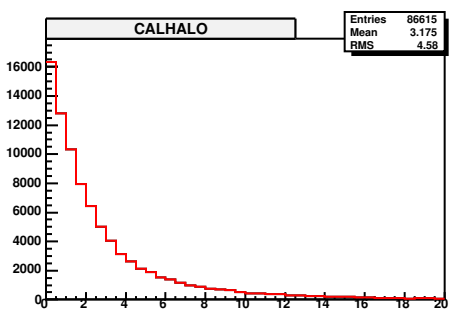


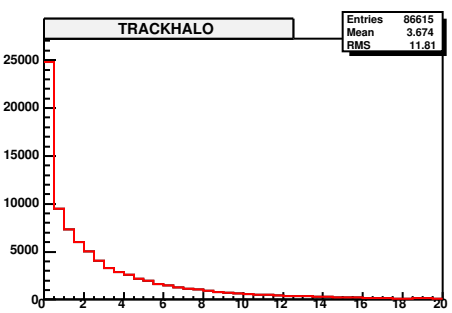


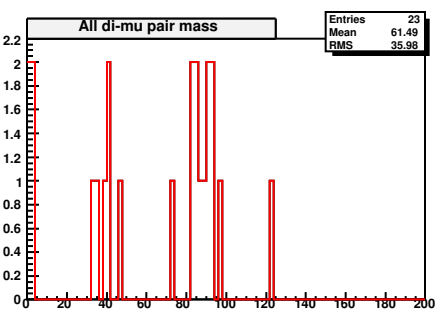


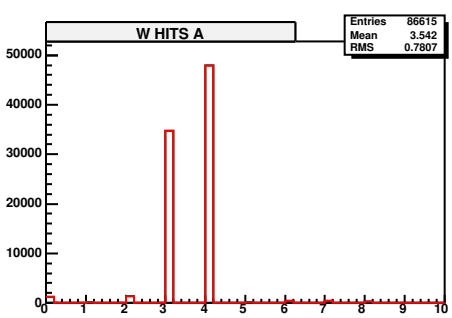


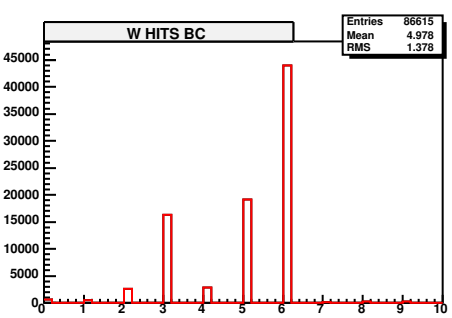


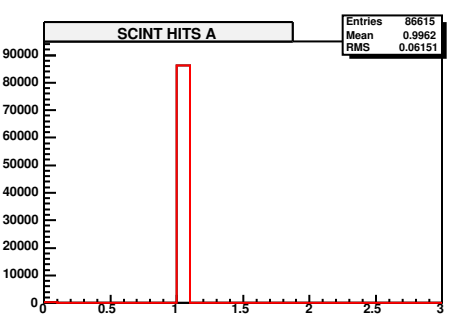


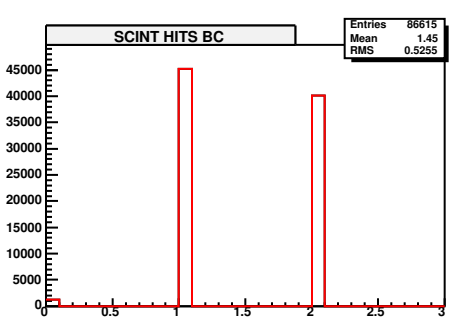




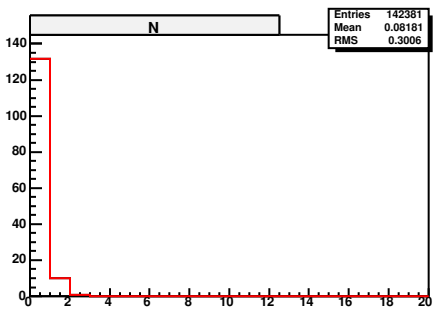


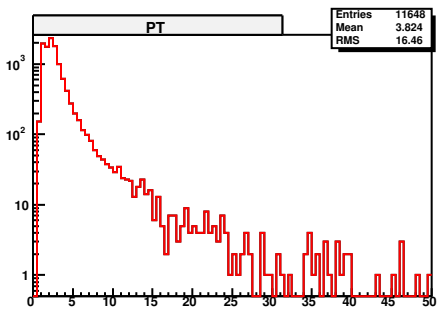


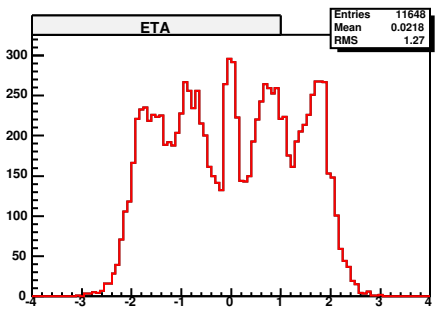


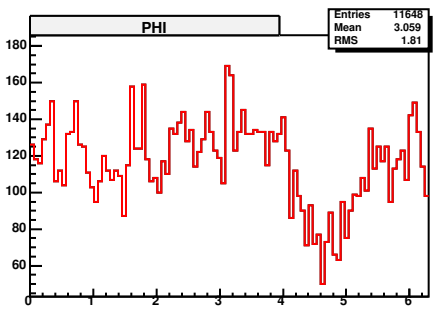


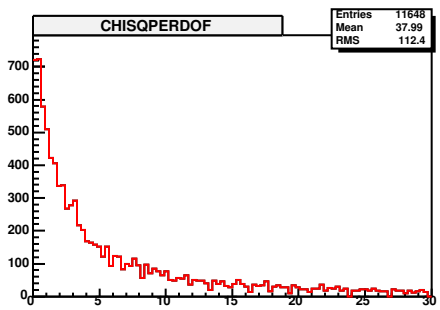
Muons (Matched)

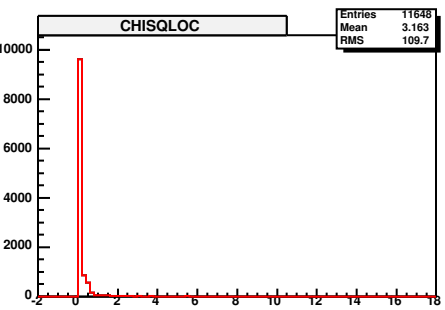

N
Entries 142381
Mean 0.08181
RMS 0.3006

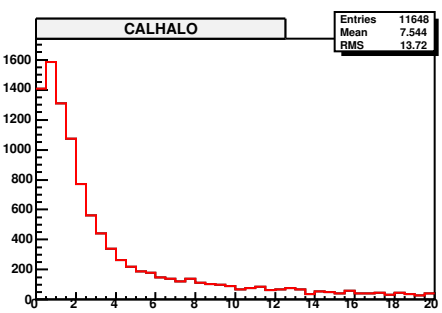

PT
Entries 11648
Mean 3.824
RMS 16.46

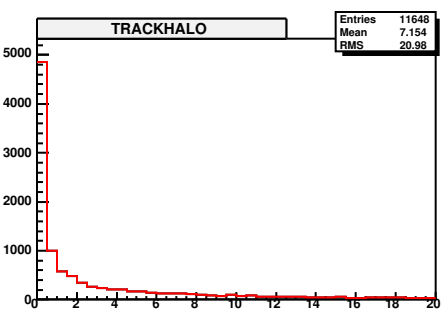

ETA
Entries 11648
Mean 0.0218
RMS 1.27

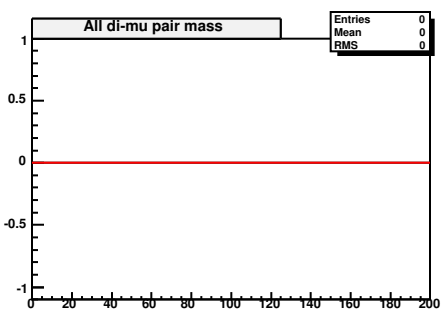

PHI
Entries 11648
Mean 3.059
RMS 1.81

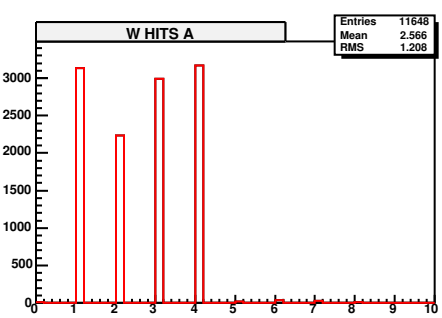

CHISQPERDOF
Entries 11648
Mean 37.99
RMS 112.4

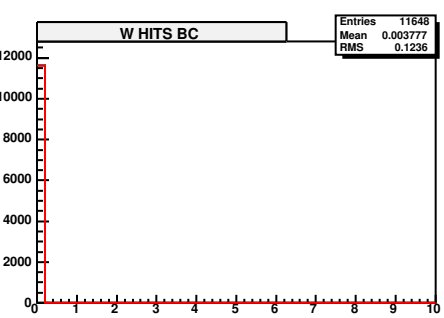

CHISQLOC
Entries 11648
Mean 3.163
RMS 109.7

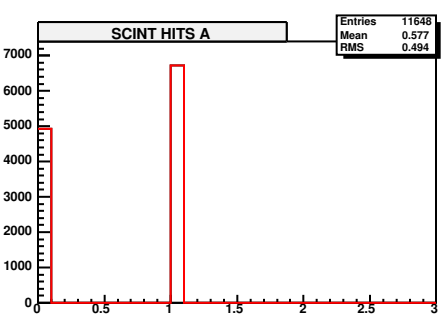

CALHALO
Entries 11648
Mean 7.544
RMS 13.72

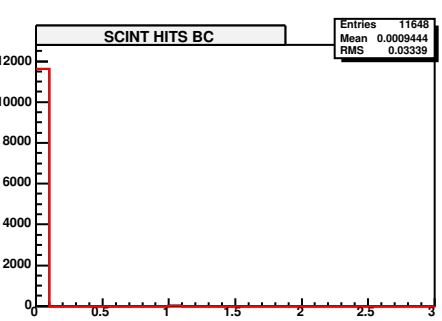

TRACKHALO
Entries 11648
Mean 7.154
RMS 20.98


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

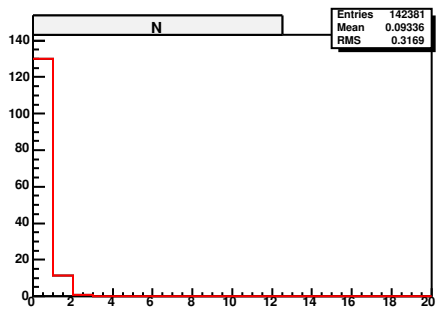

W HITS A
Entries 11648
Mean 2.566
RMS 1.208

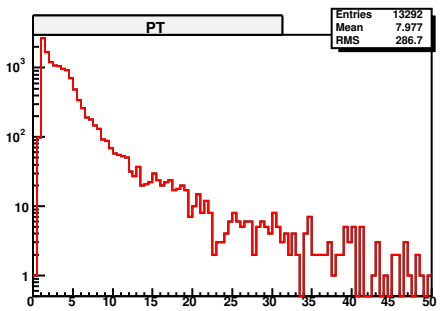

W HITS BC
Entries 11648
Mean 0.003777
RMS 0.1236

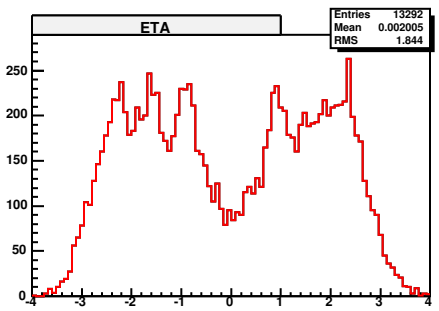

SCINT HITS A
Entries 11648
Mean 0.577
RMS 0.494

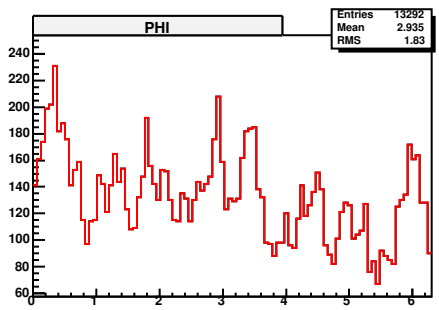

SCINT HITS BC
Entries 11648
Mean 0.0009444
RMS 0.03339

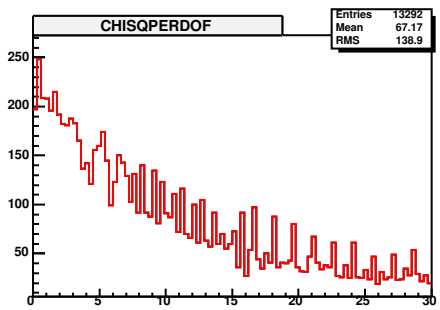
Muons (Astub)

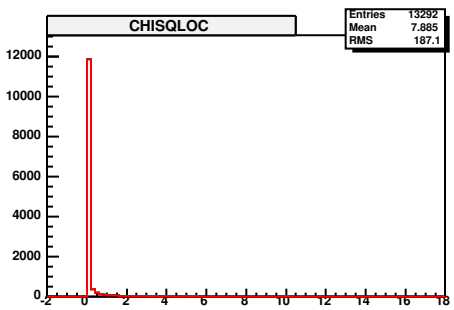


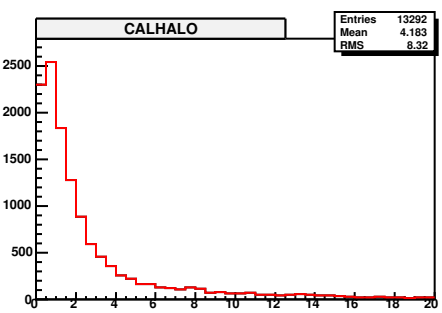


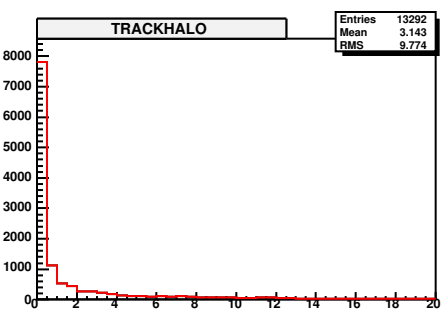


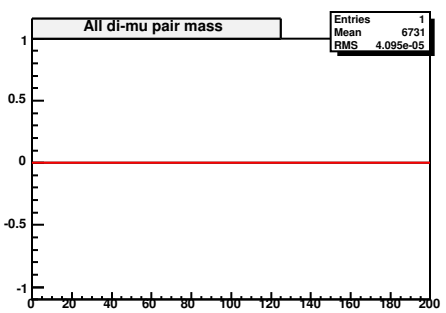


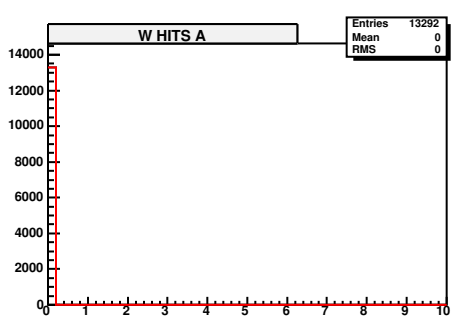


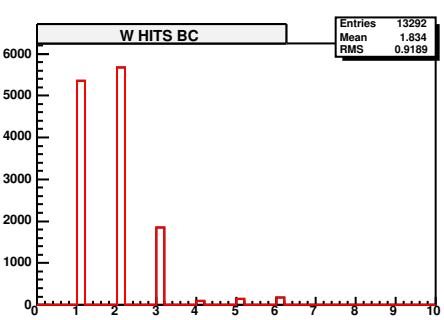


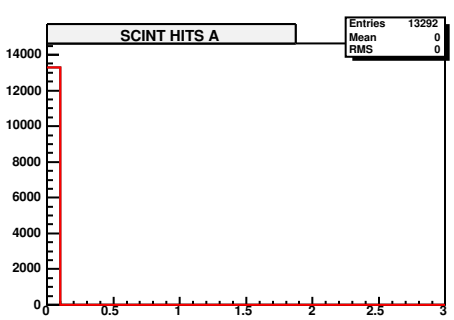


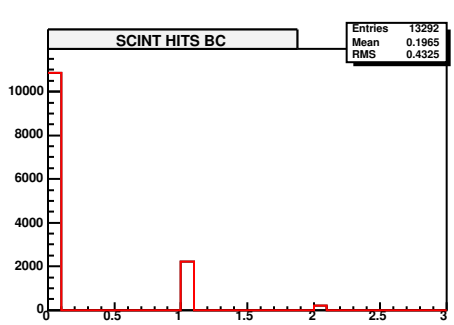




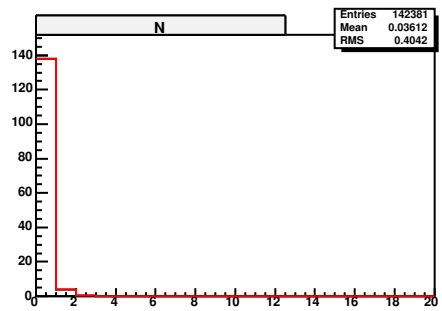


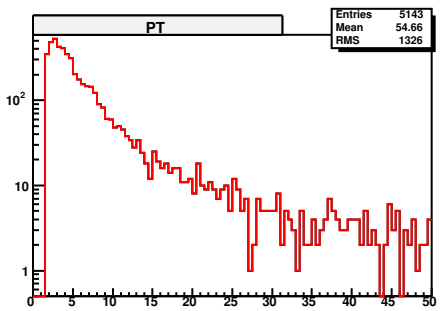


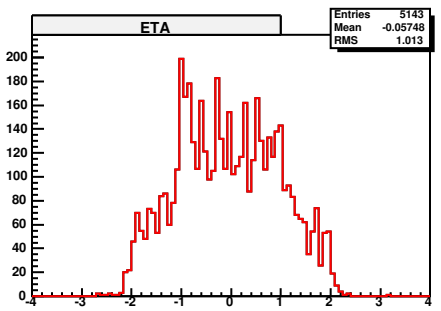


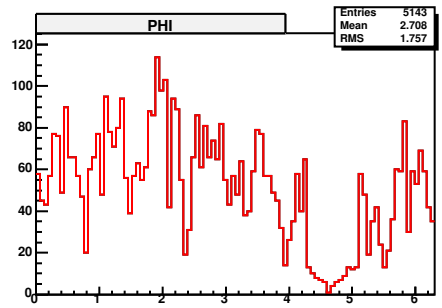


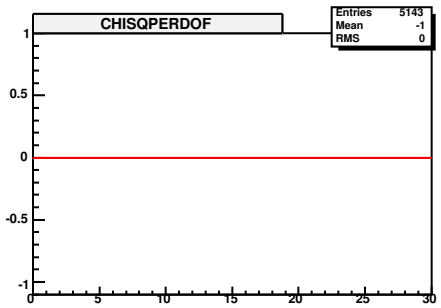
Muons (BCstub)

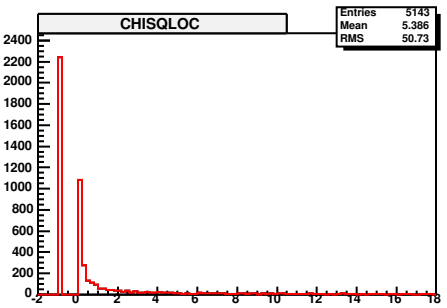


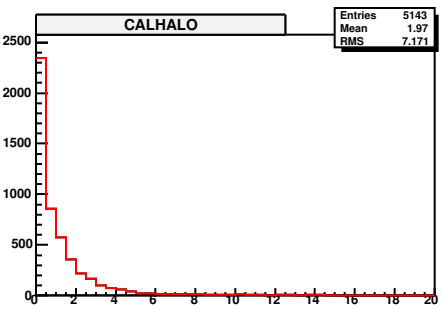


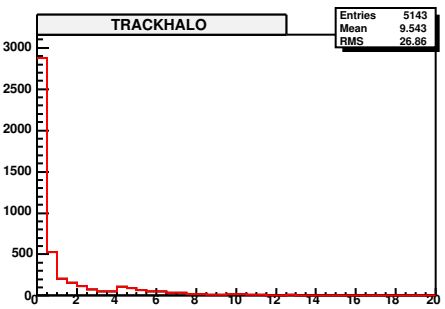


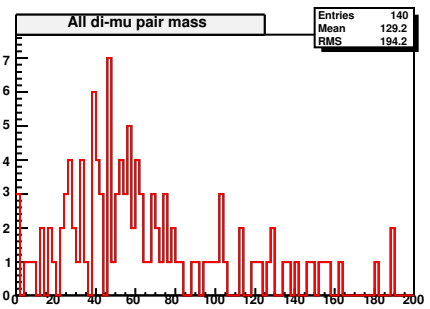


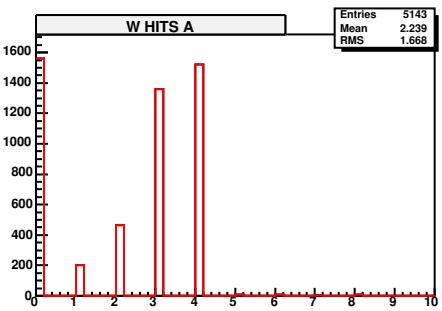


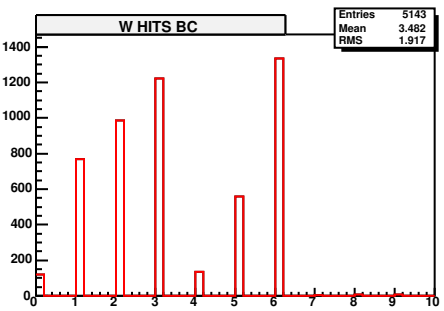


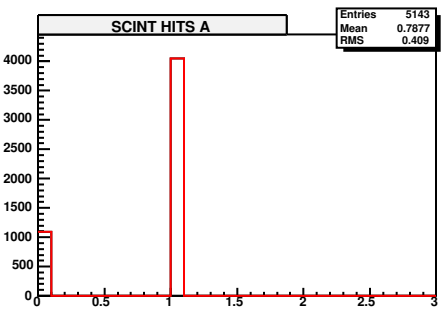


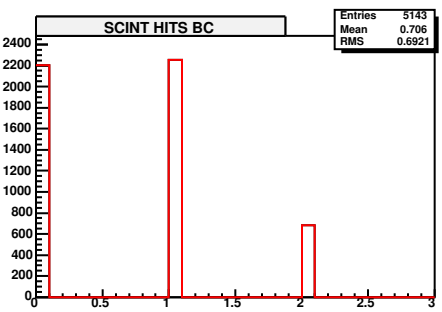




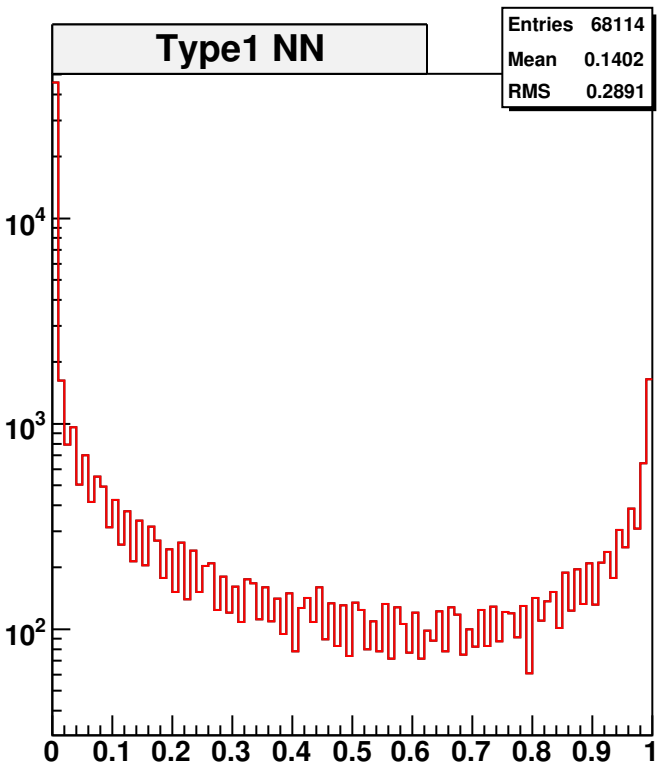


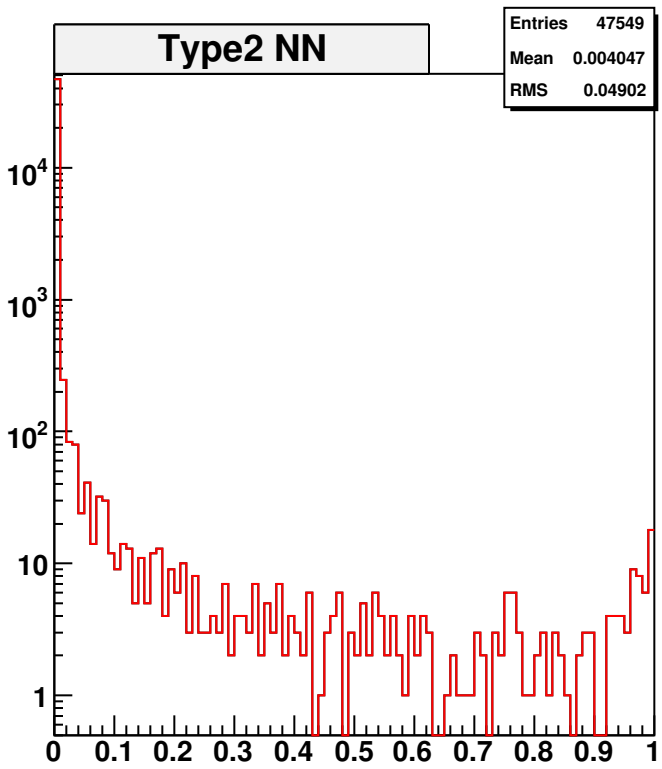


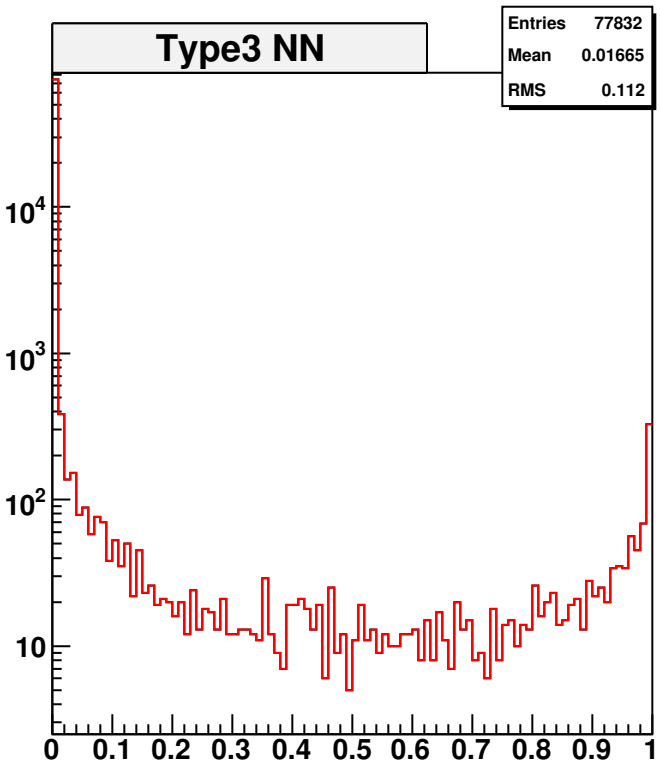


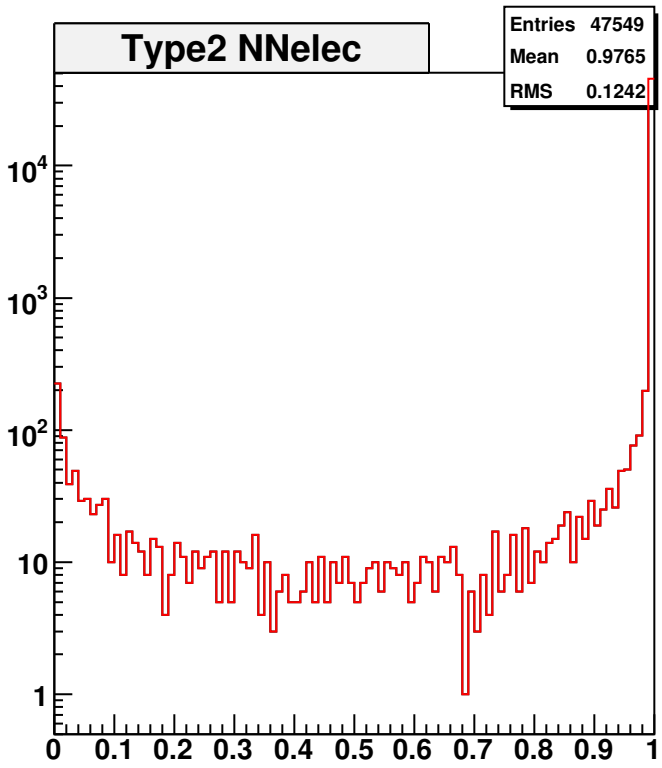


Muons (Unmatched)

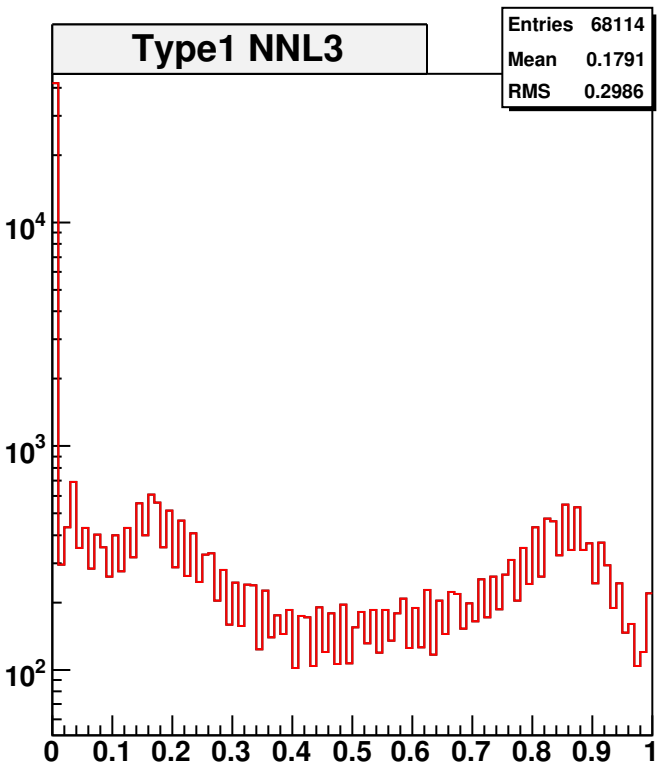


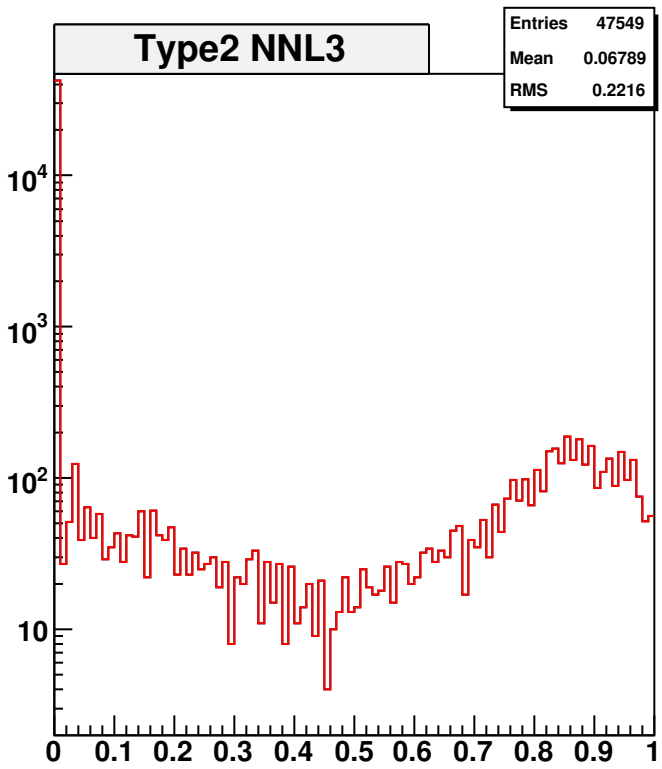


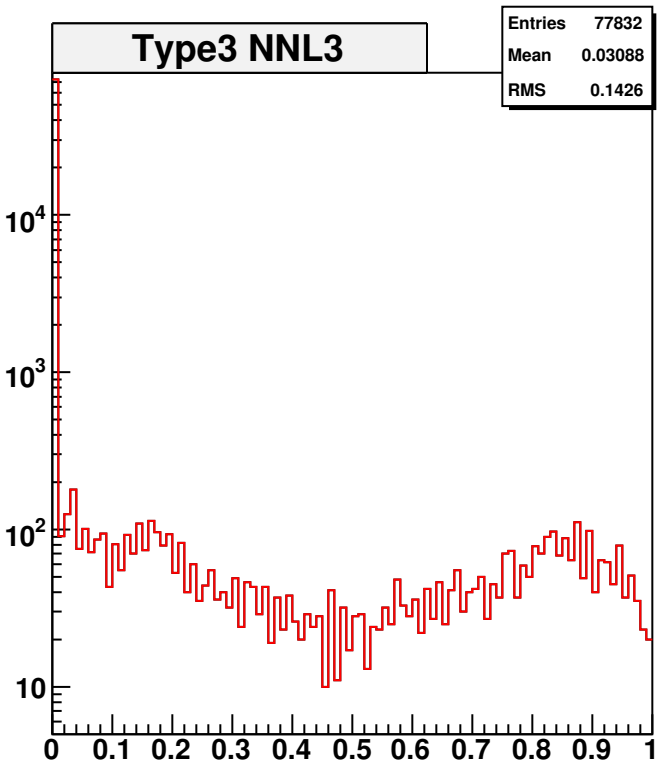


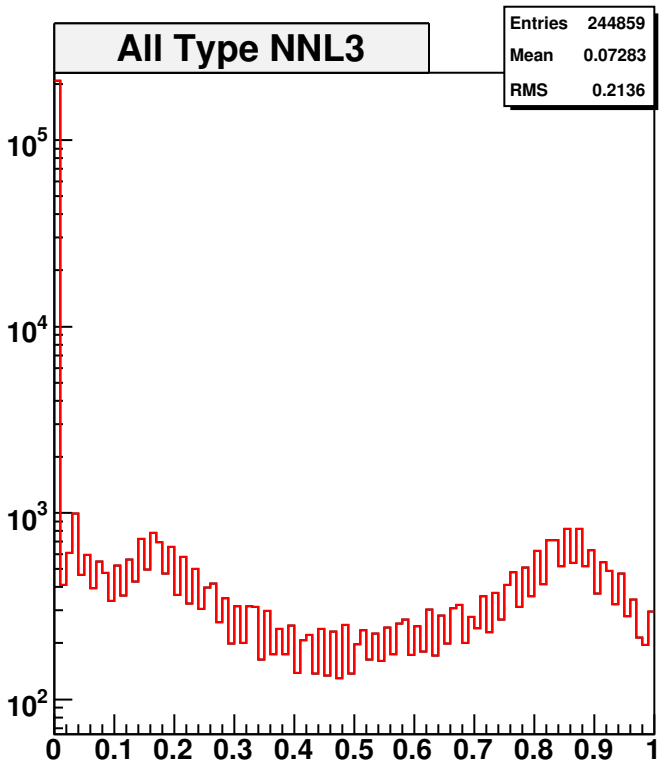


Taus NN (TAU All)

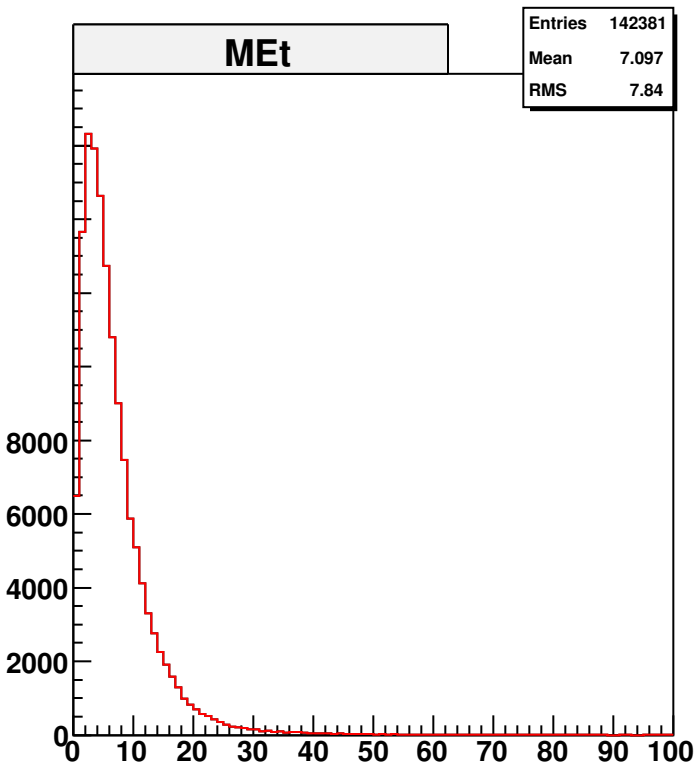








Taus NNL3 (TAU All)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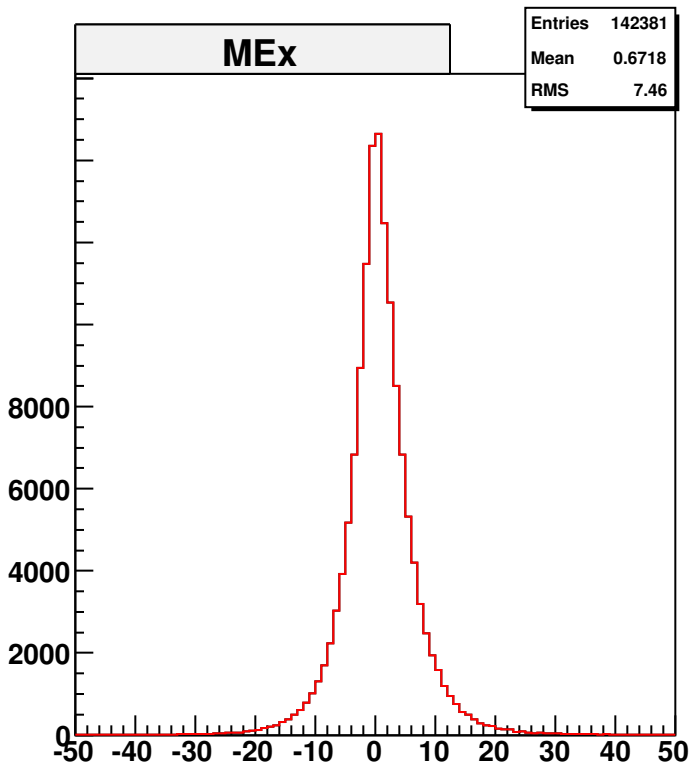
Entries 142381
Mean 7.097
RMS 7.84
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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Mean 0.6718
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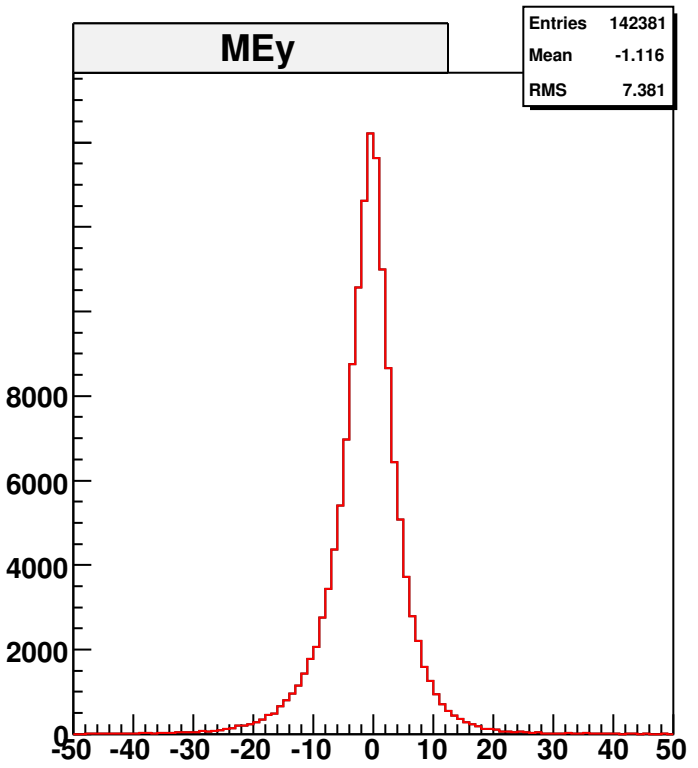
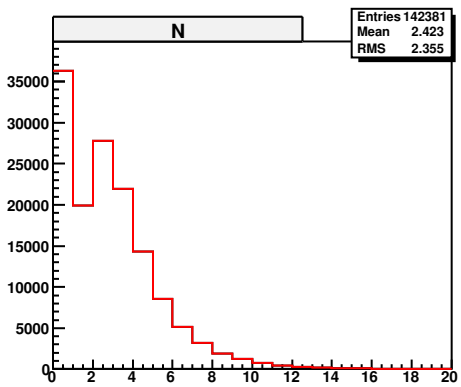
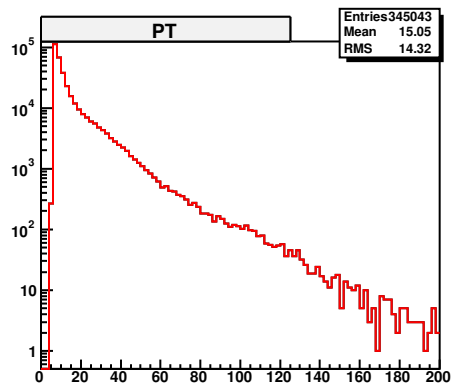
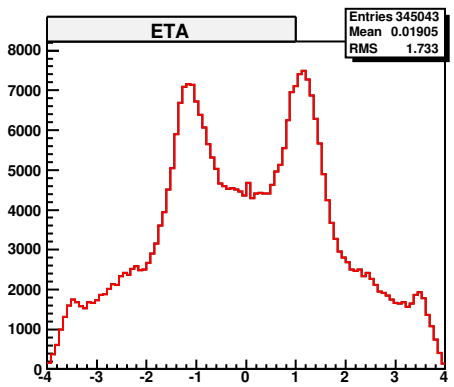
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

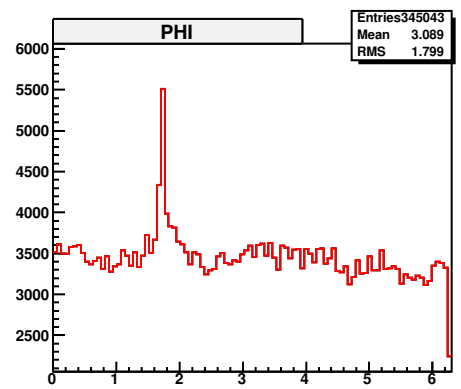

MEy
Entries 142381
Mean -1.116
RMS 7.381
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

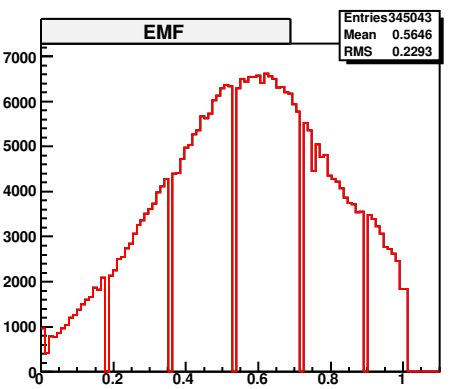
Met (No cuts)

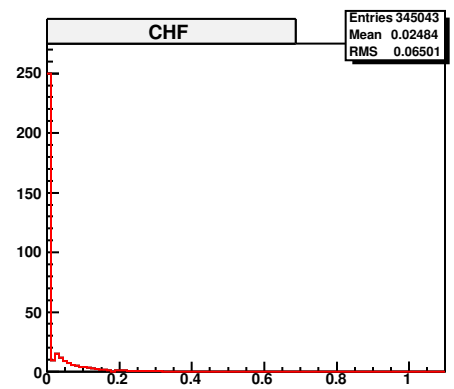


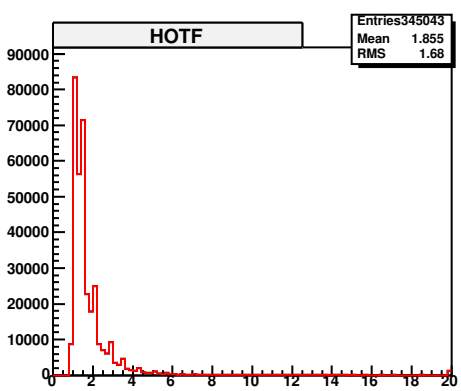


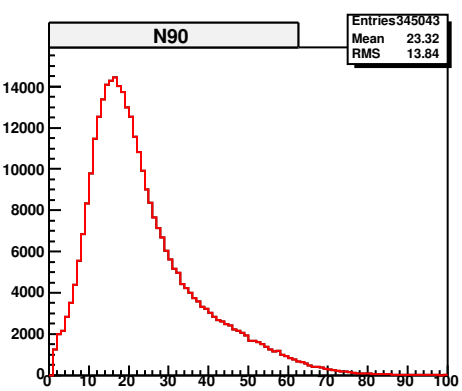


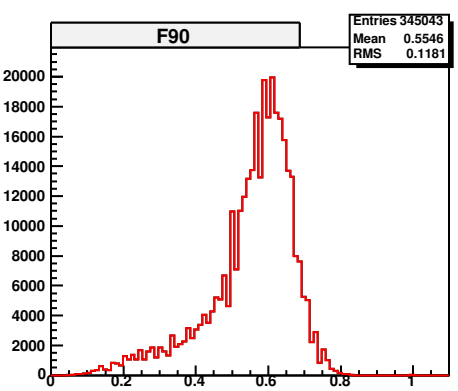


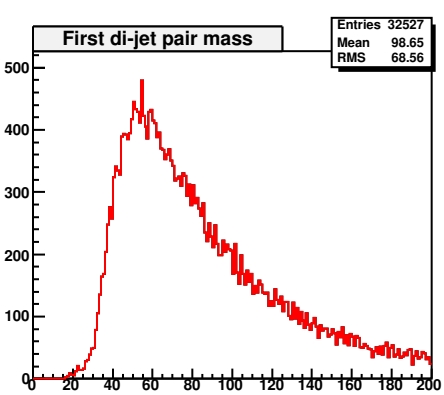


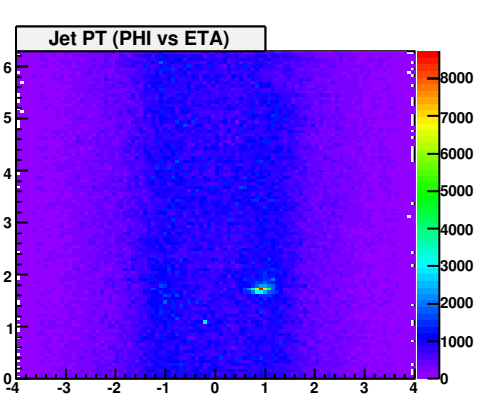




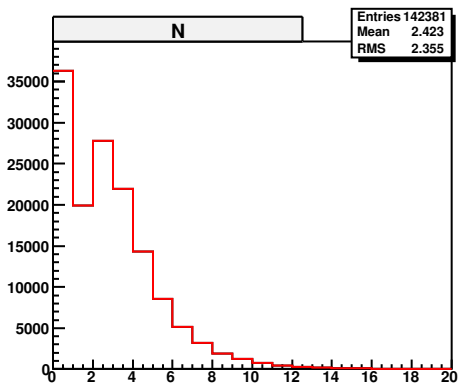


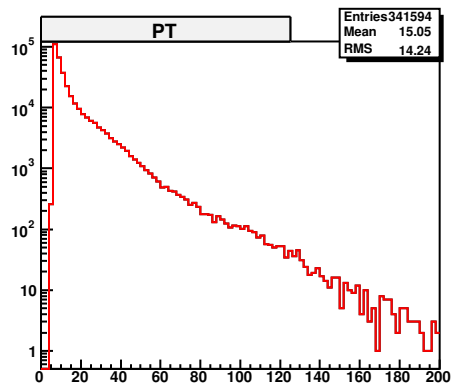


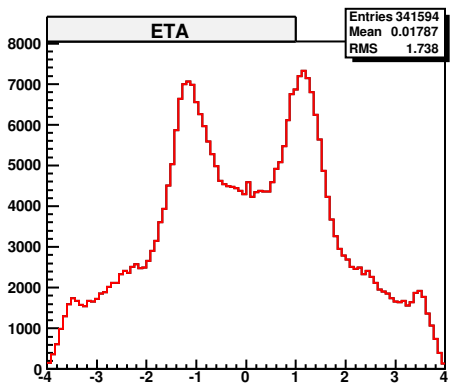


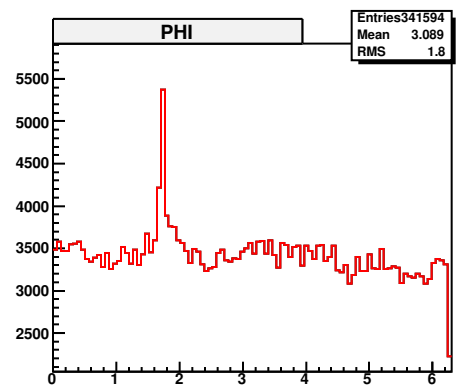


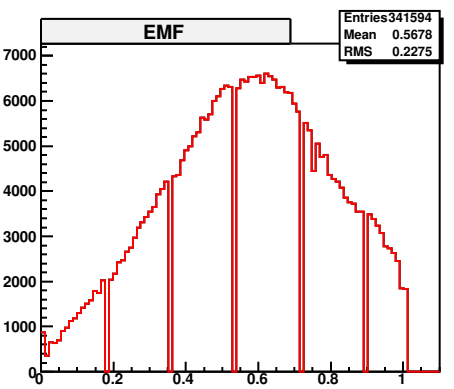
Jets (Cone R 0.7 (no cuts))

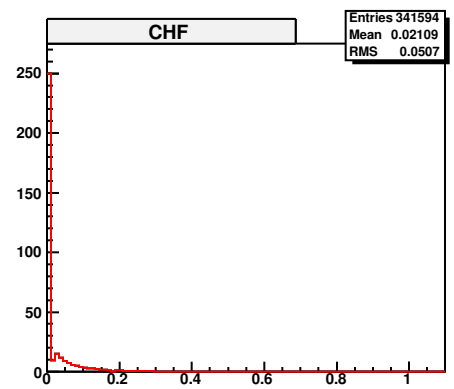


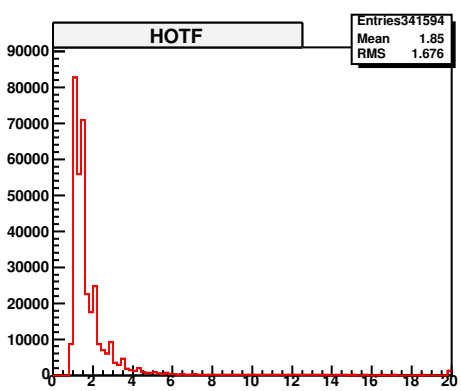


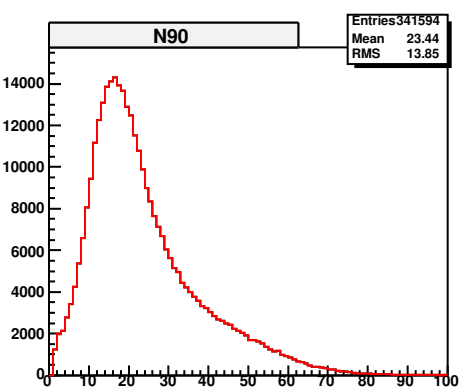


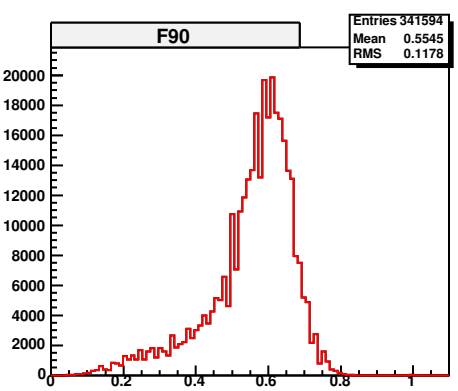


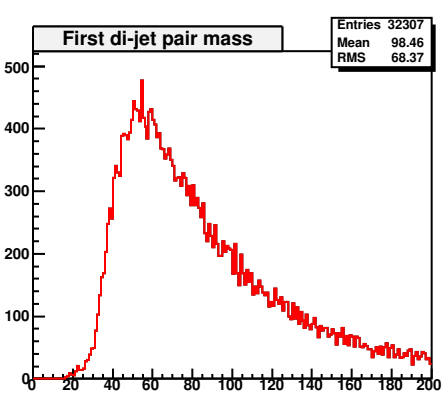


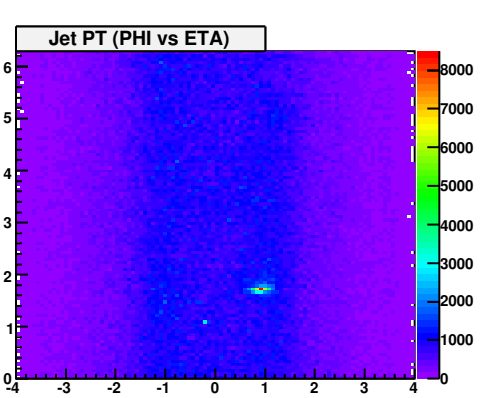




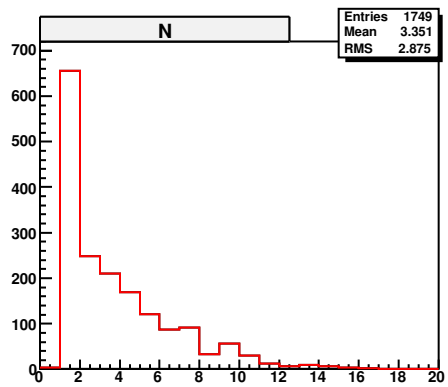


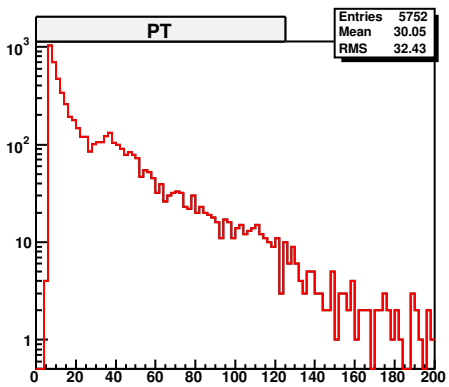


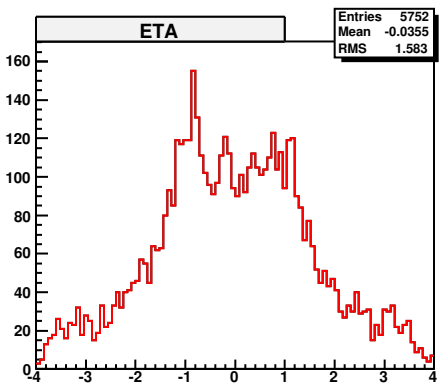


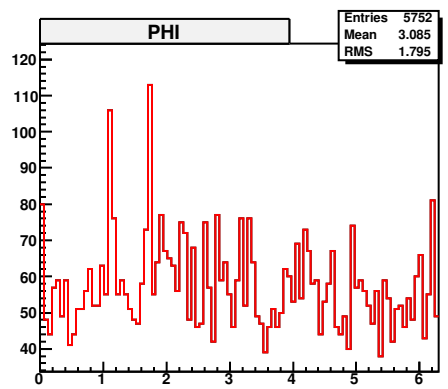


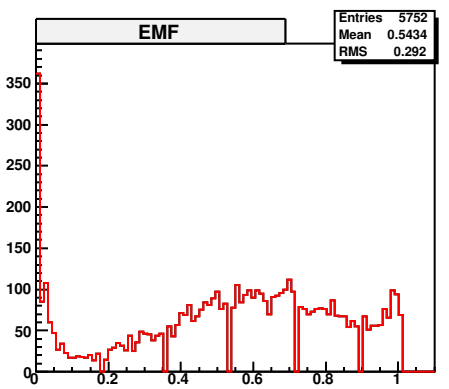
Jets (Cone R 0.7 (standard cuts))

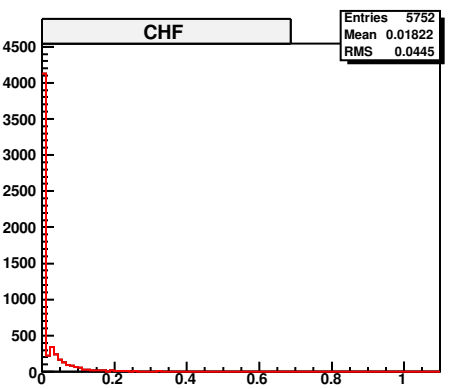


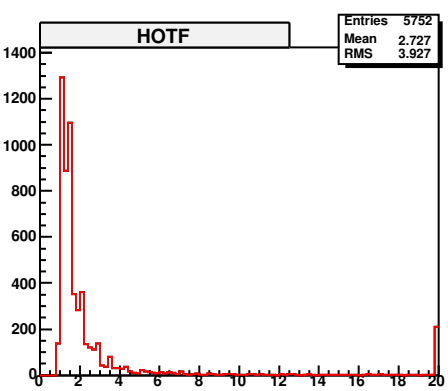


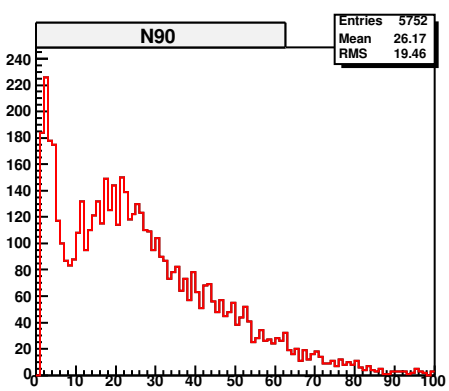


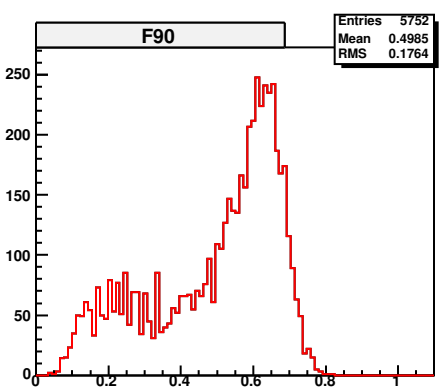


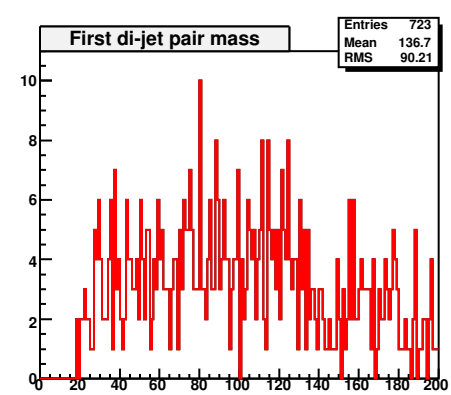


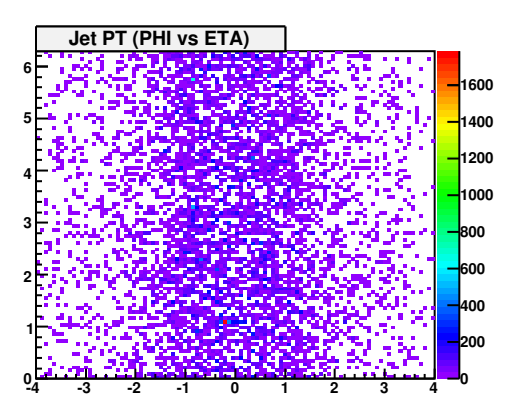




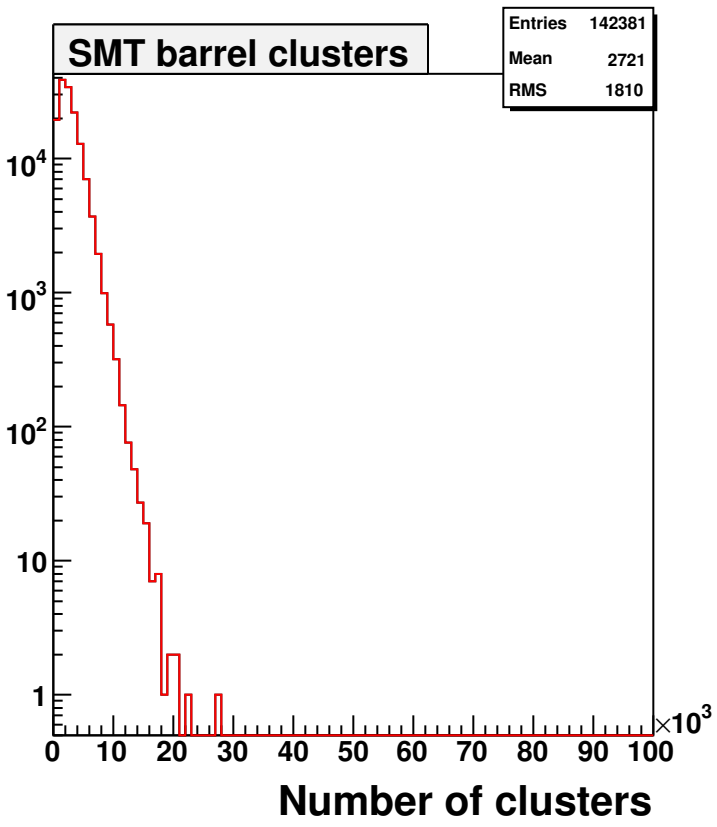


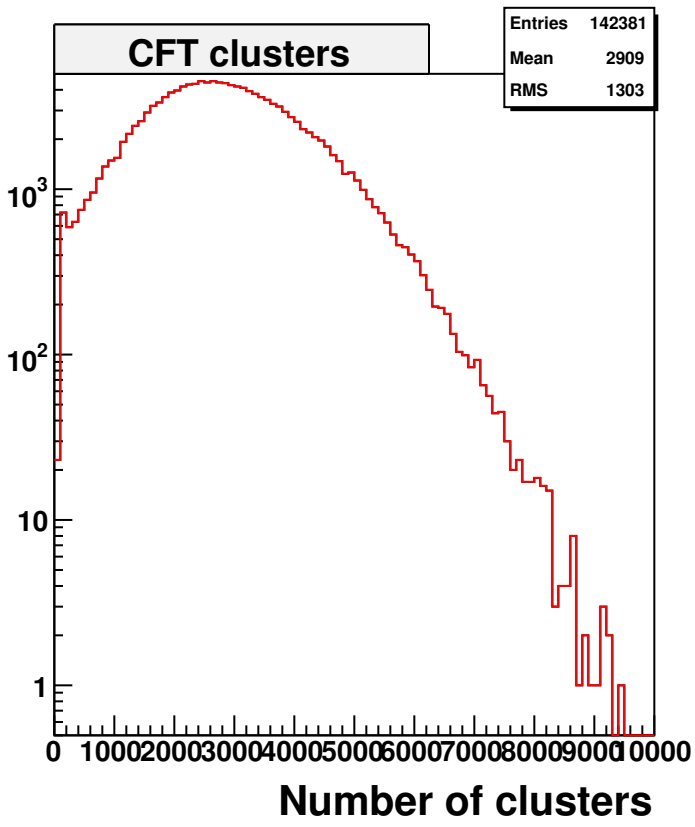


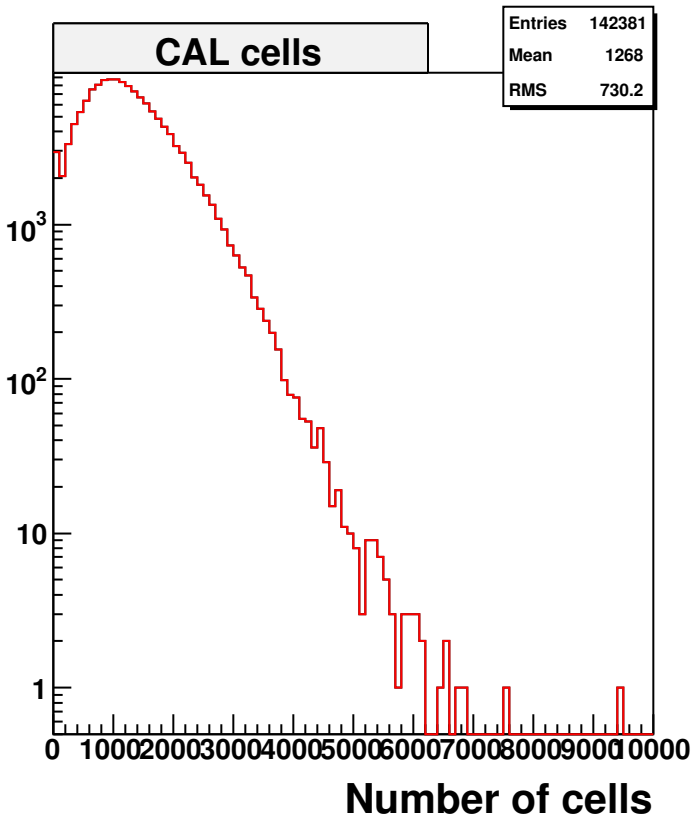


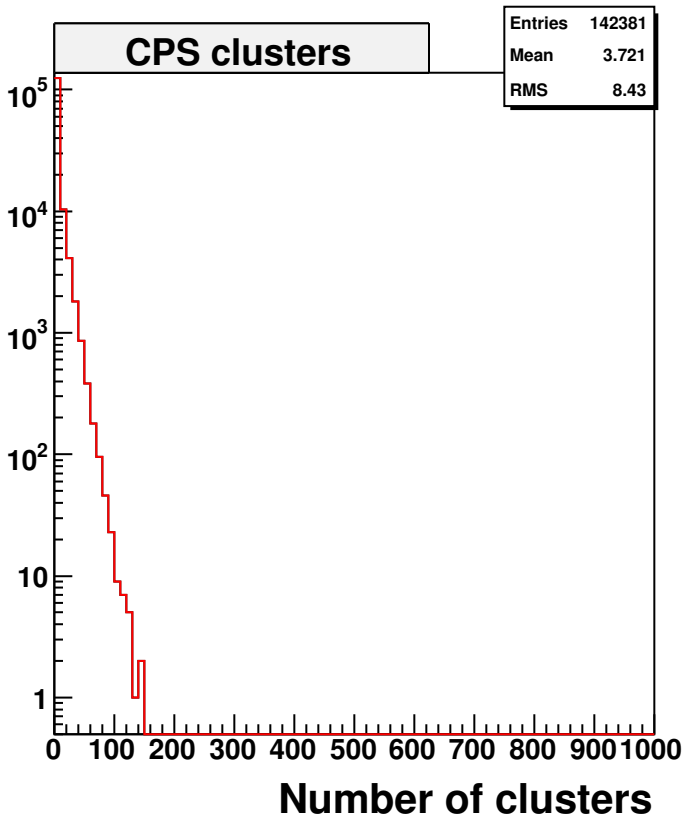


Jets (Cone R 0.7 (standard cuts, MET>30))

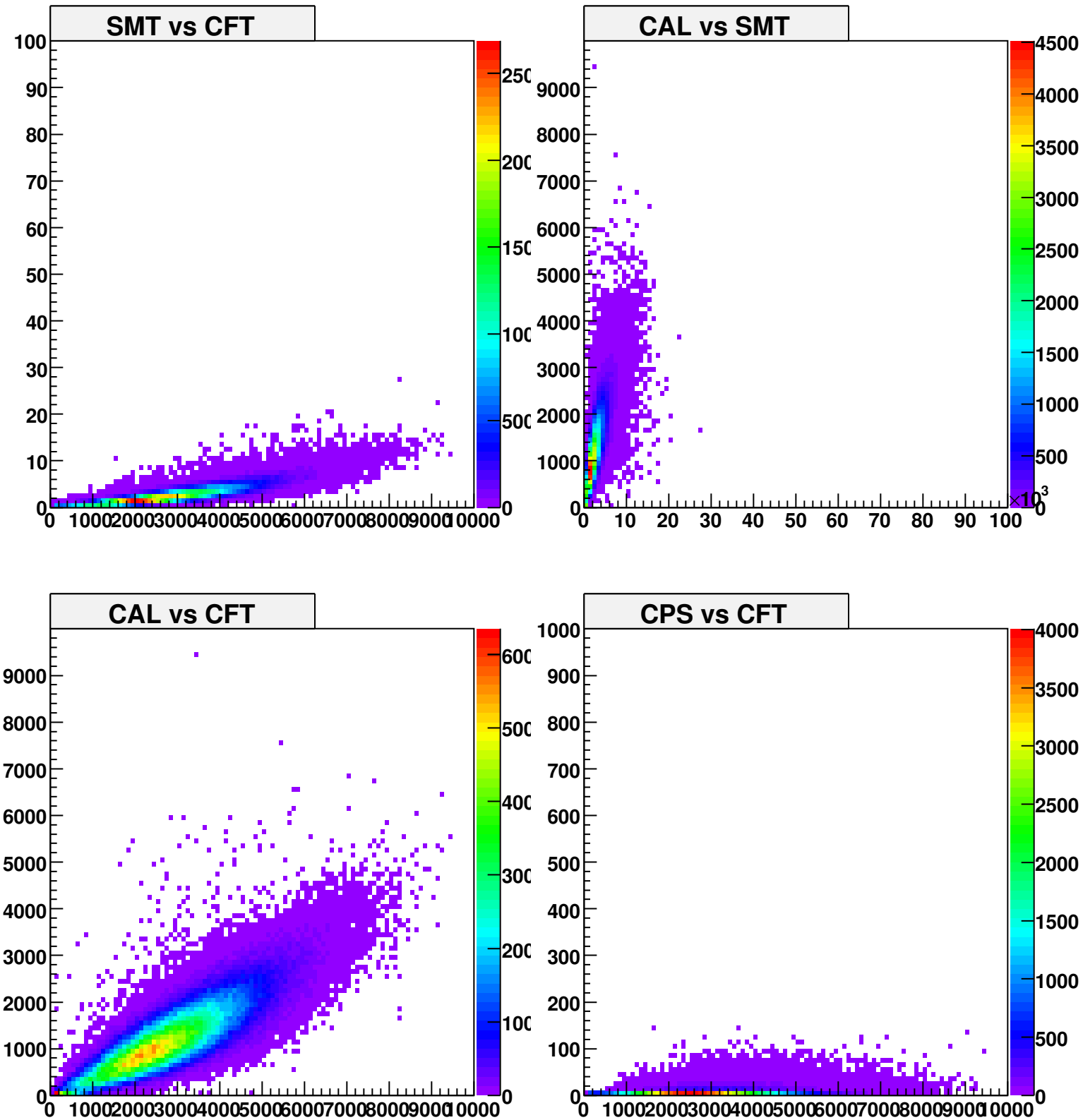




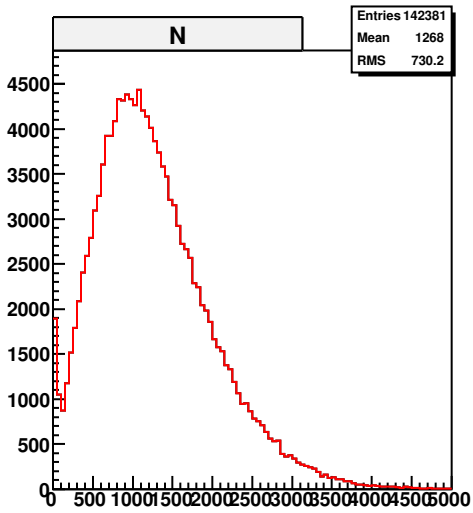


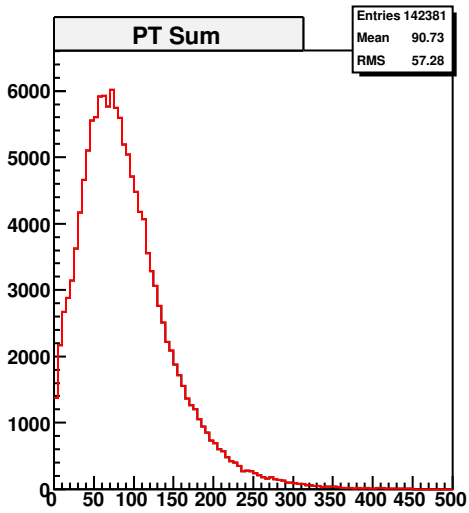


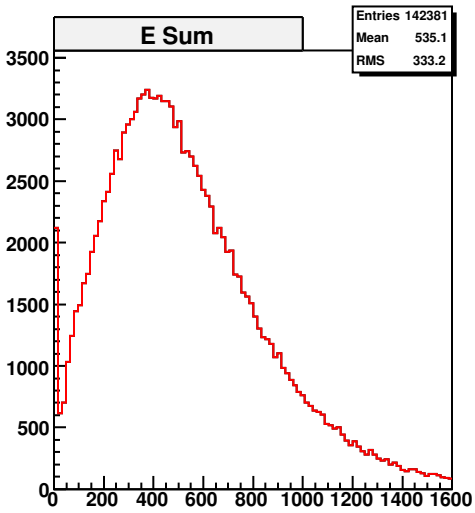
Detector Occupancy (Detector)

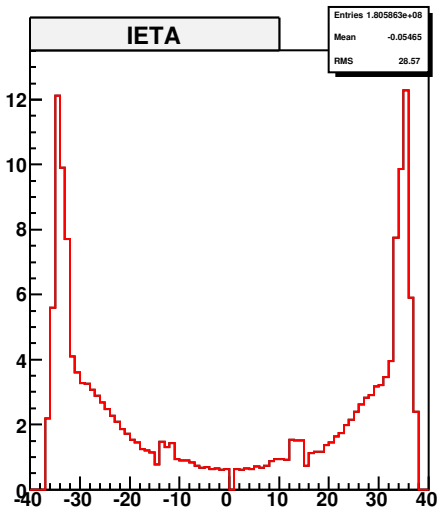


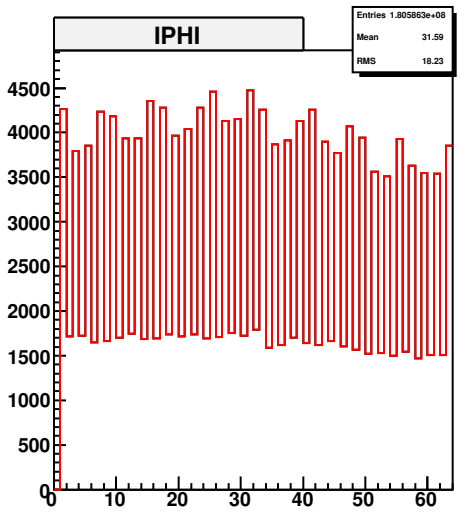
Detector Occupancy (Detector)

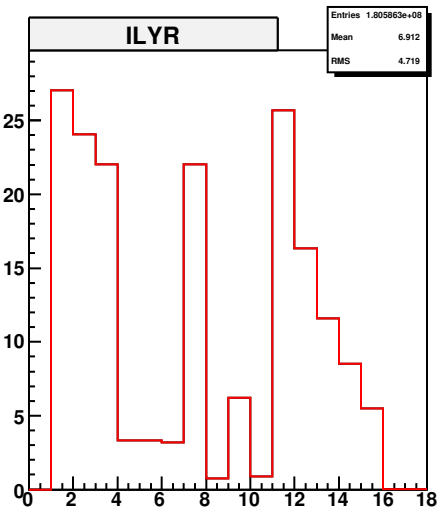


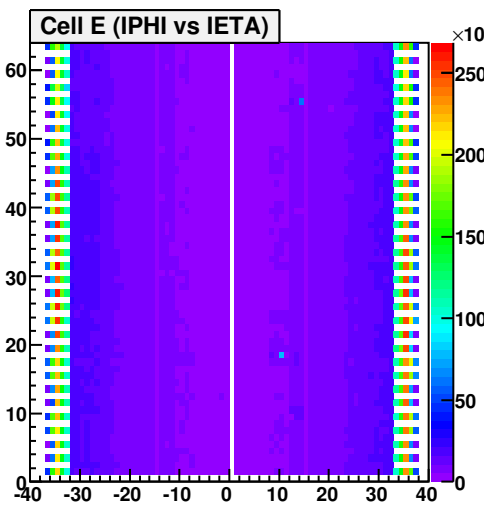


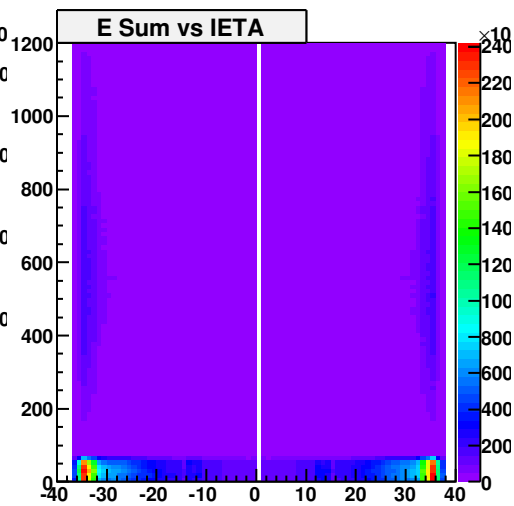


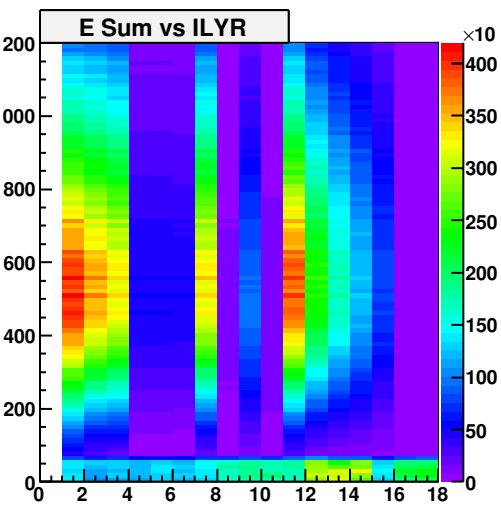




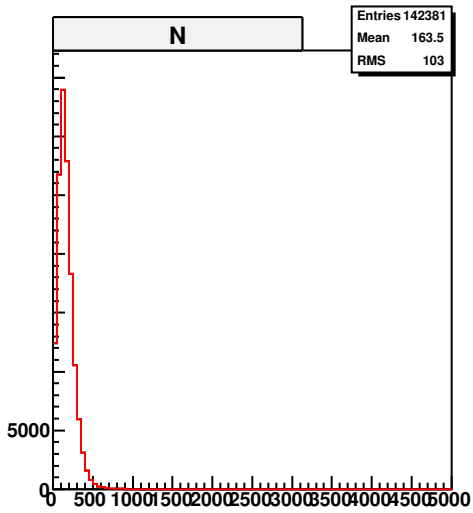


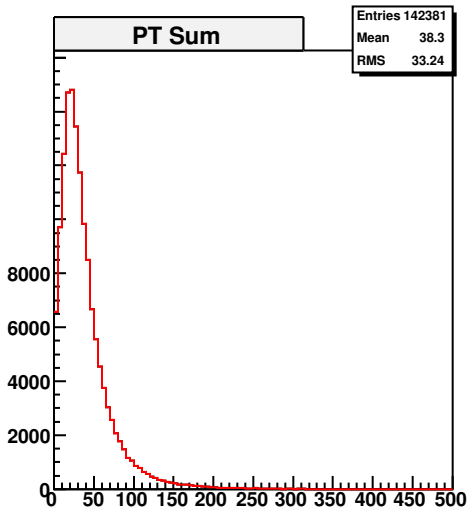


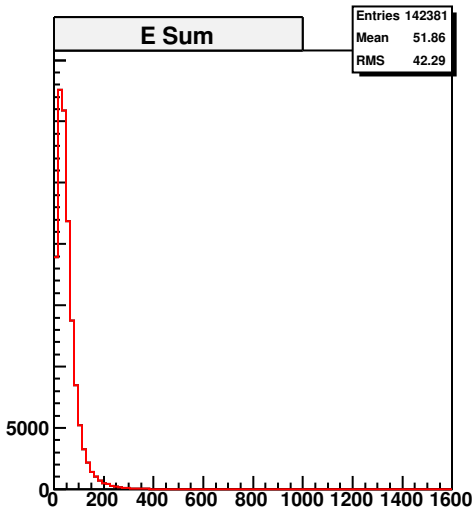


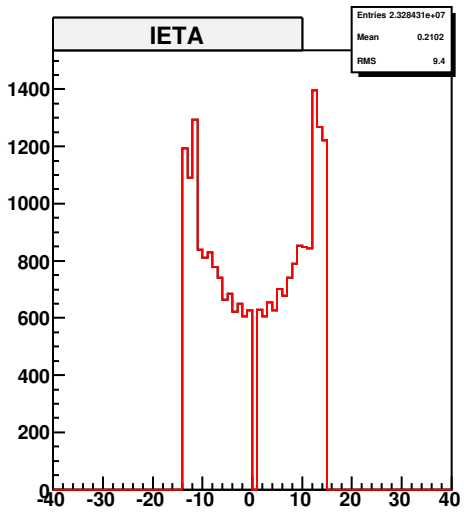


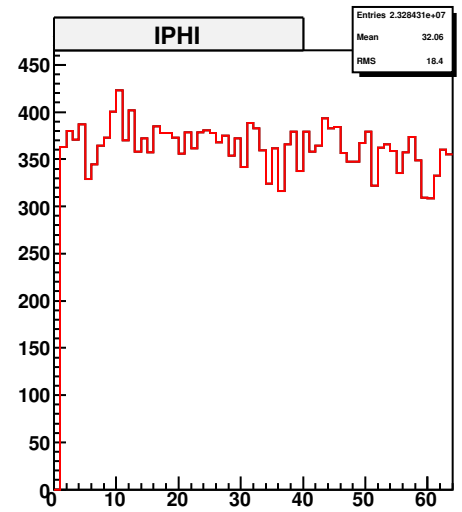
Calorimeter (All cells)

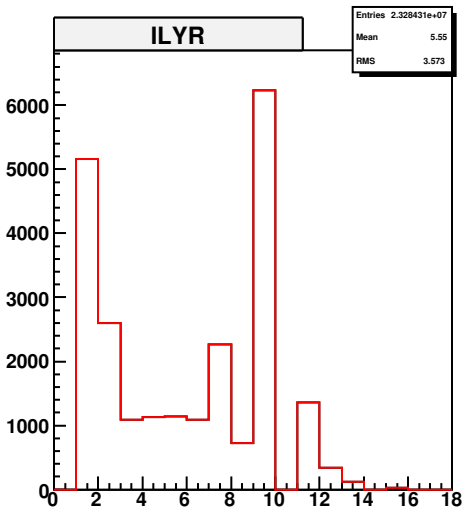


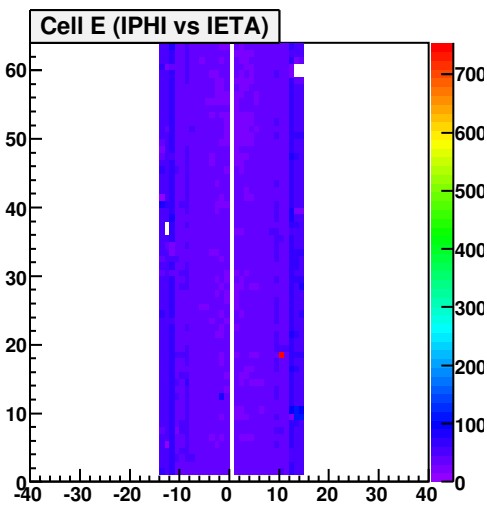


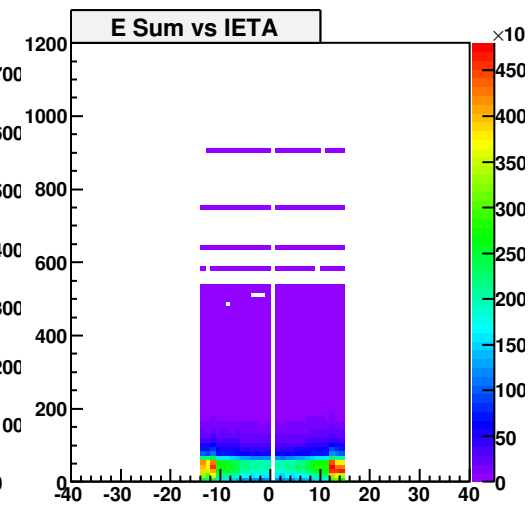


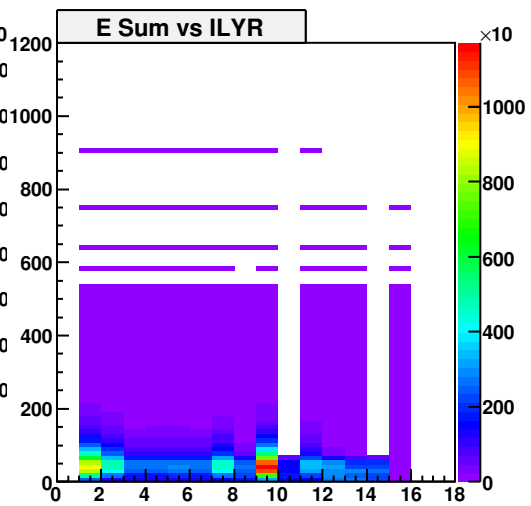




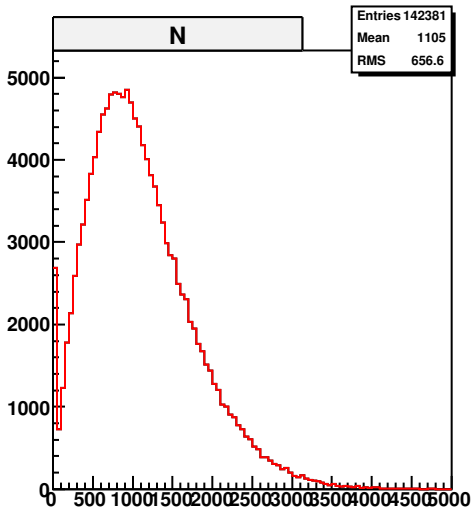


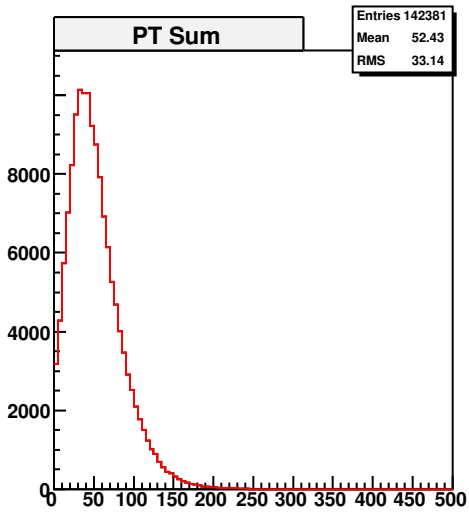


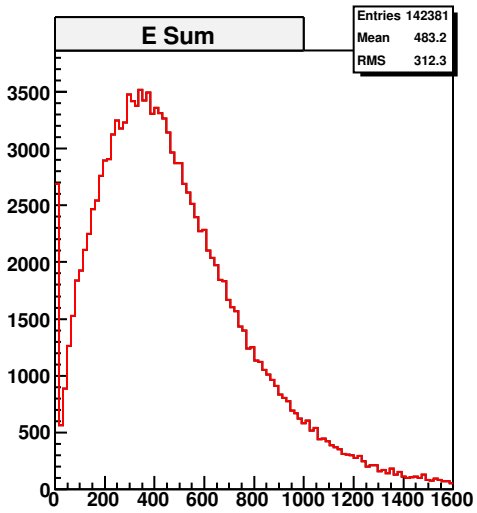


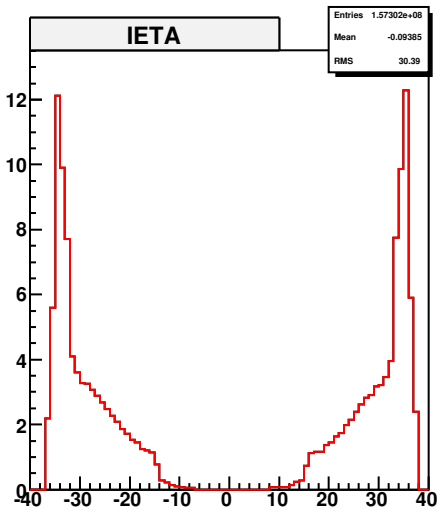


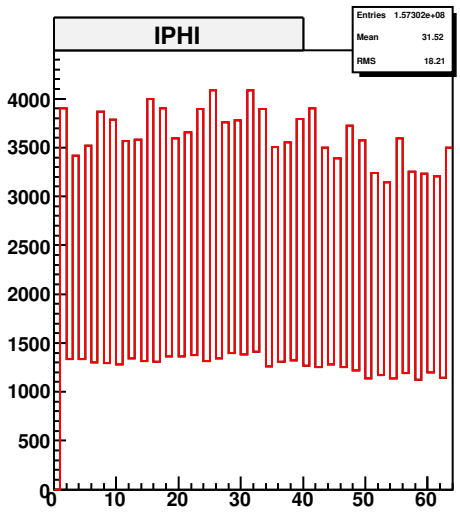
Calorimeter (All CC cells)

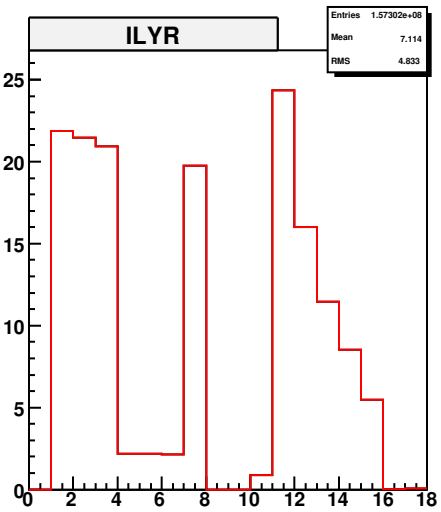


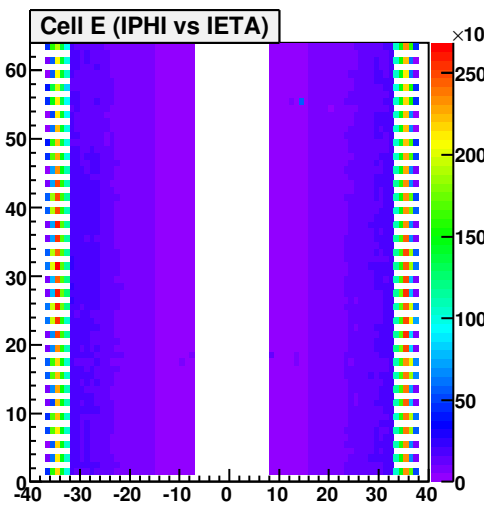


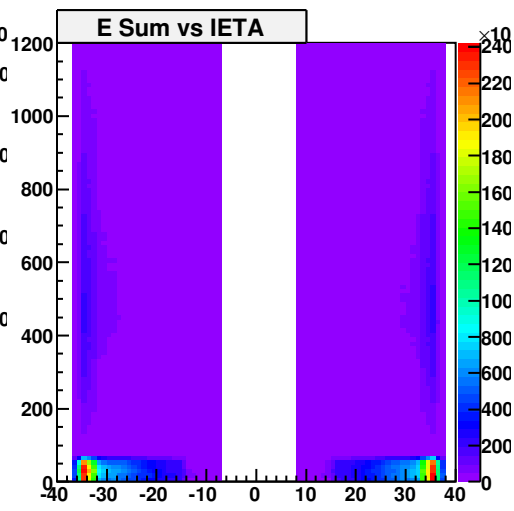


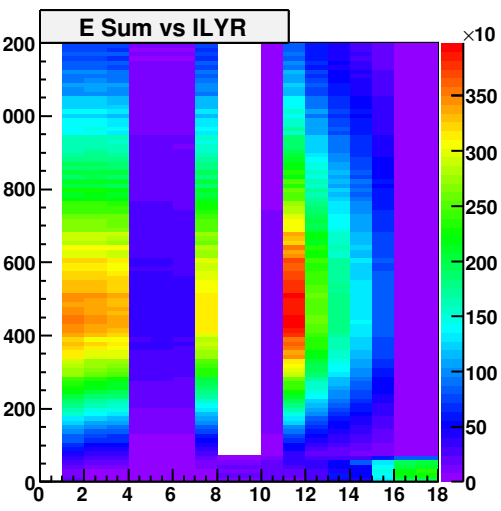




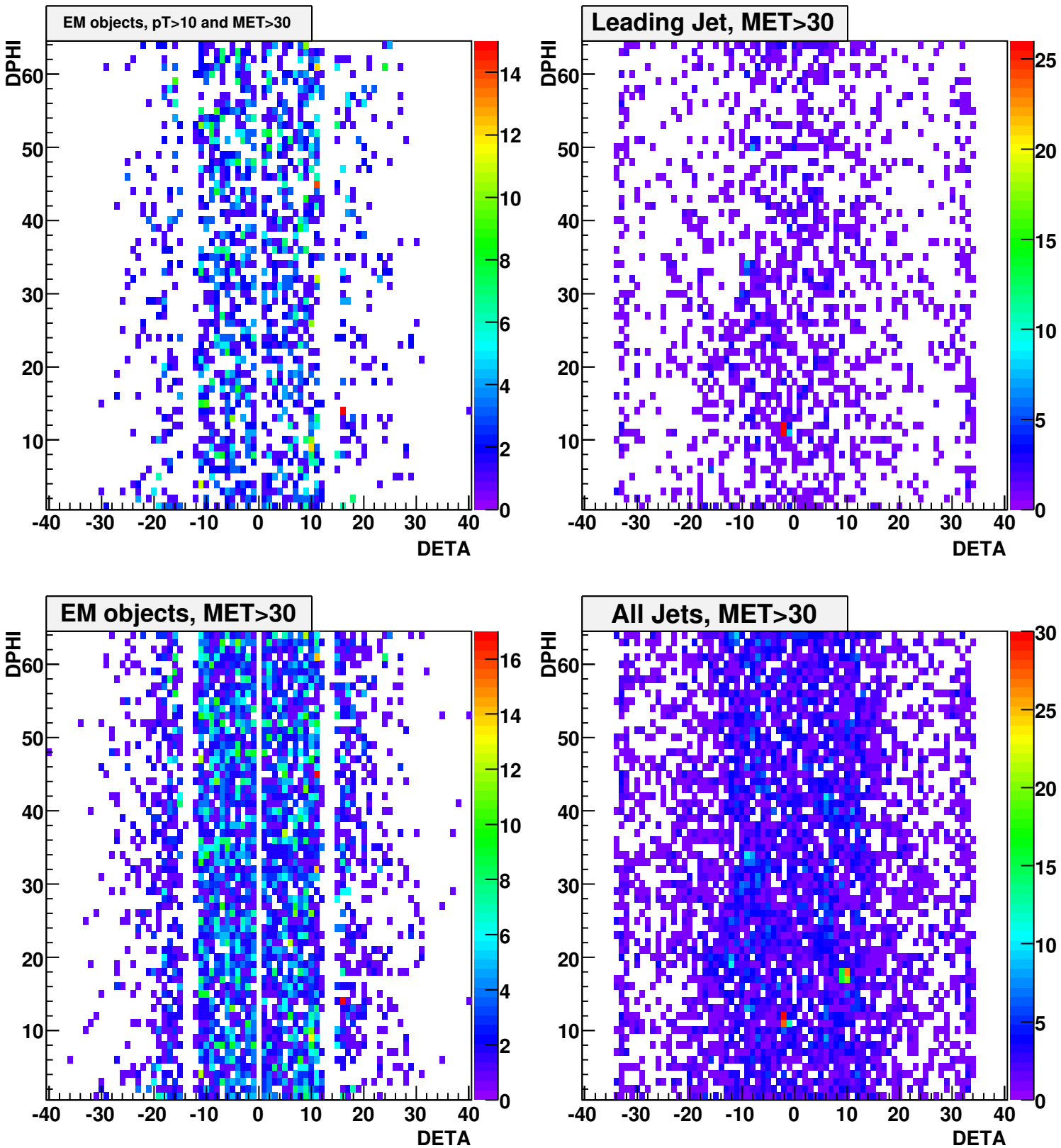




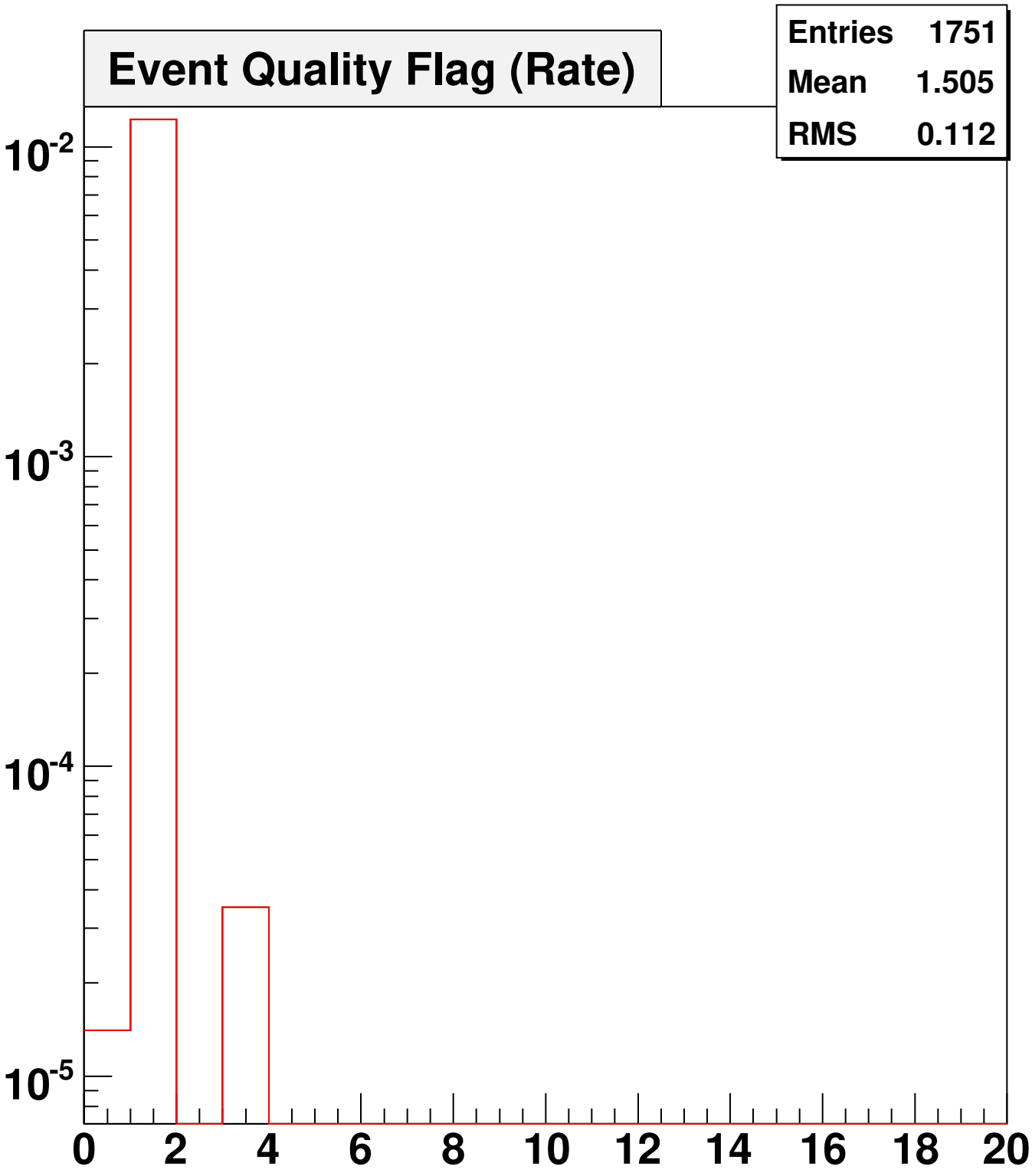


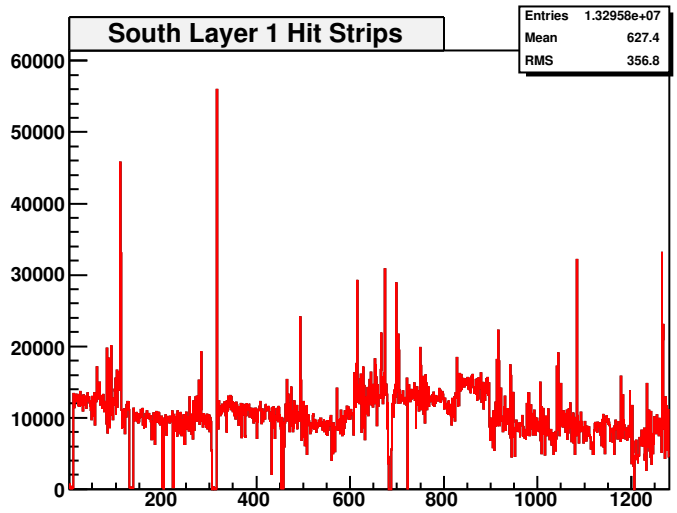


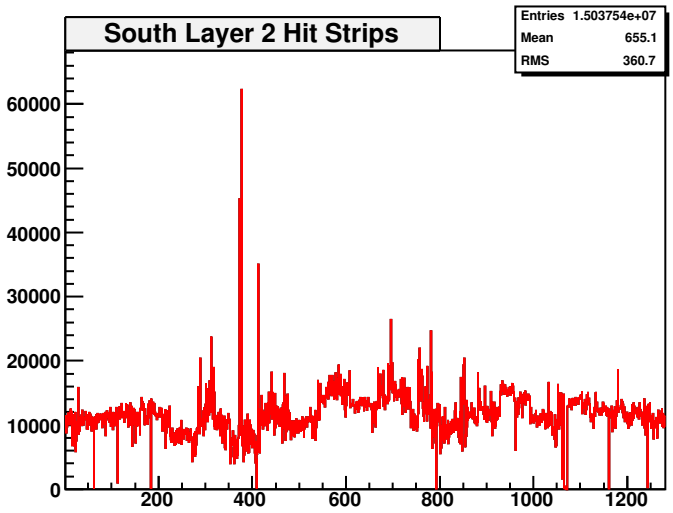
Calorimeter (All EC cells)

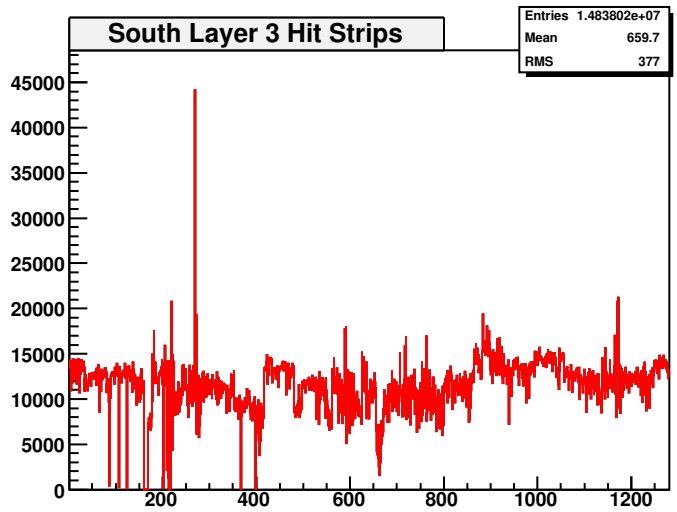


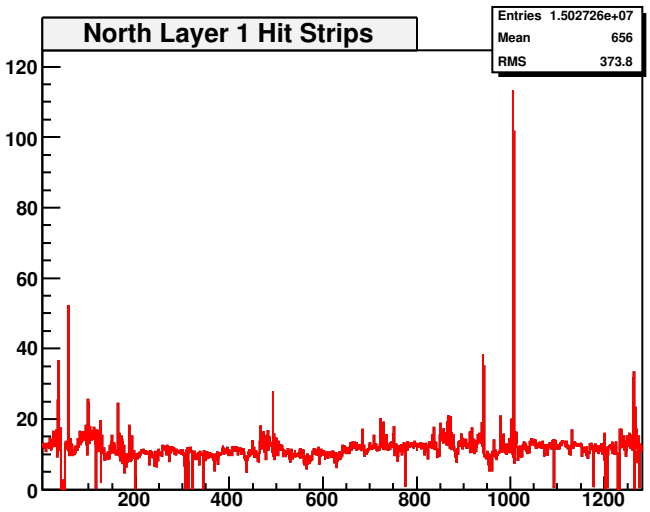
Cal Objects with MET>30 (All cells)

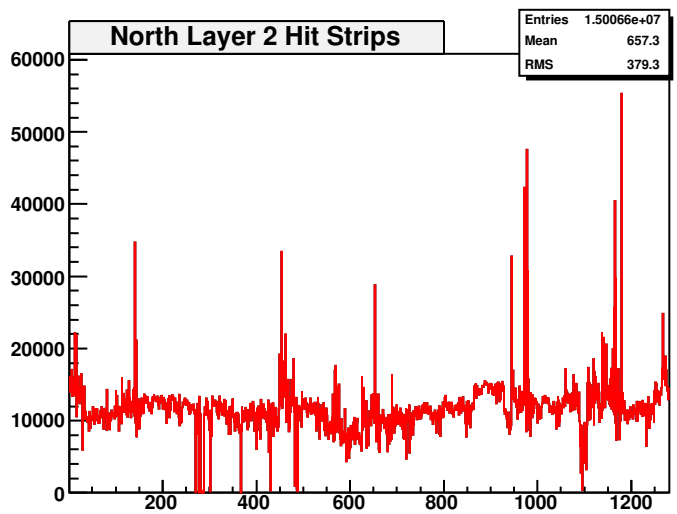

Event Quality Flag (Rate)
Entries 1751
Mean 1.505
RMS 0.112
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

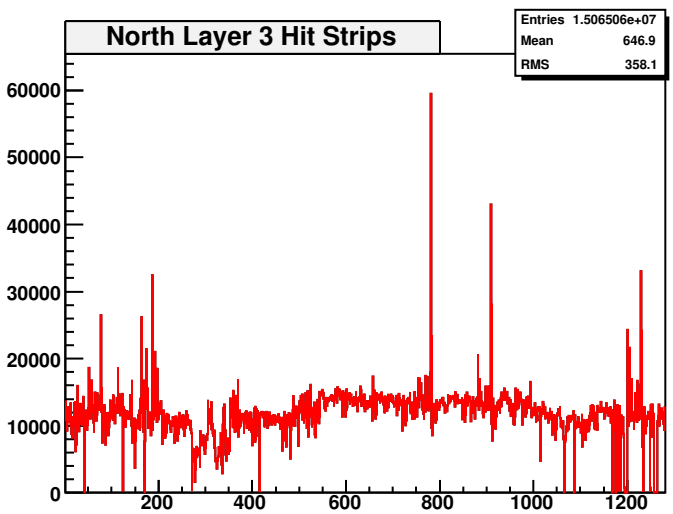




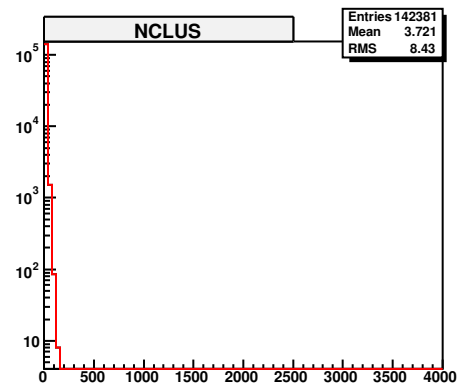


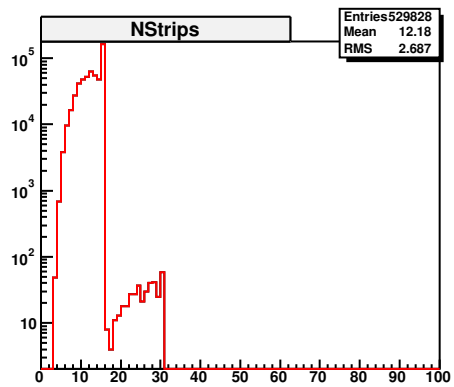


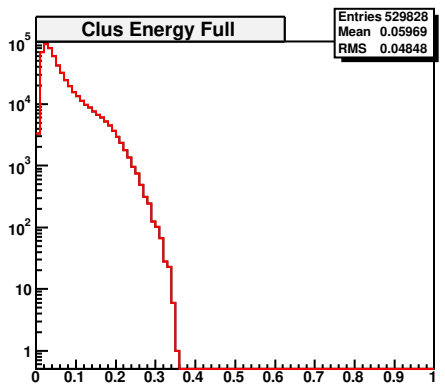


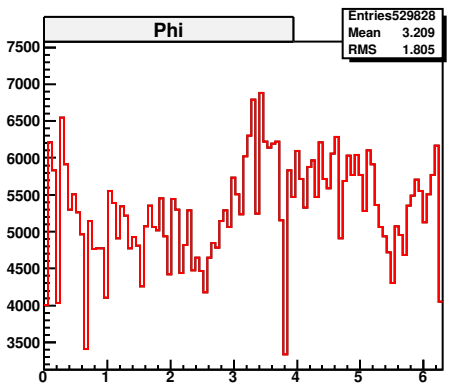


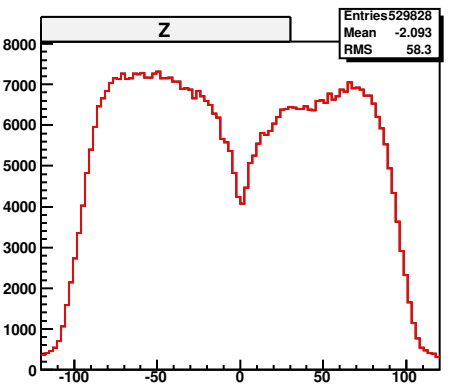
CPS Hit Strips (All Clusters)

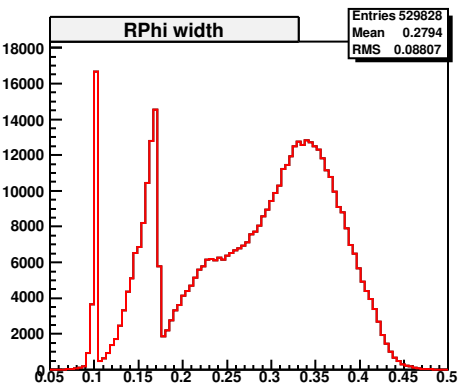


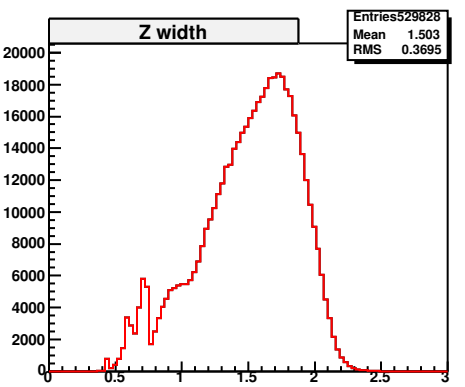


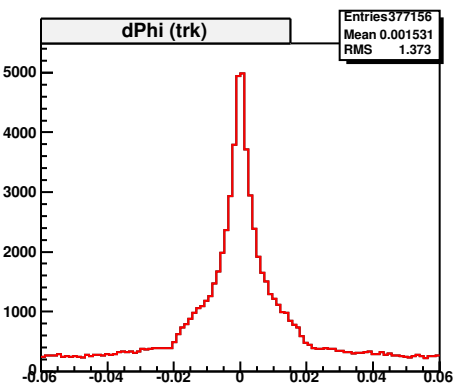


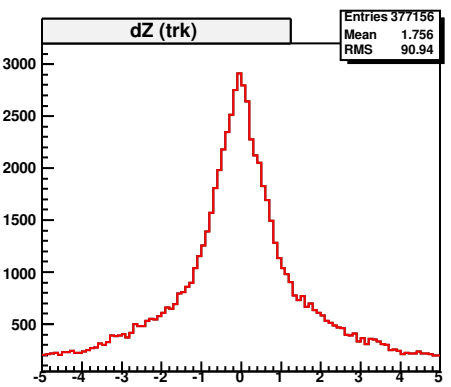


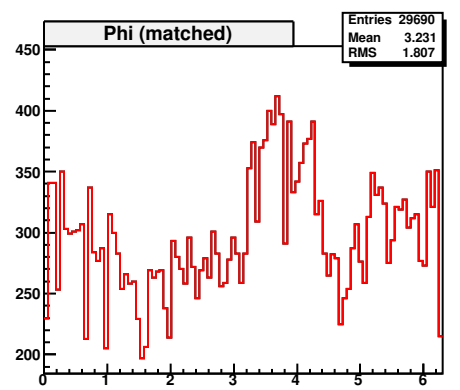


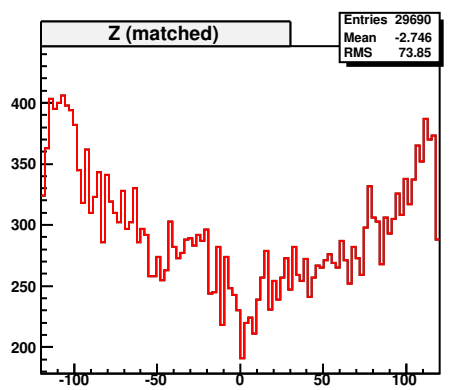




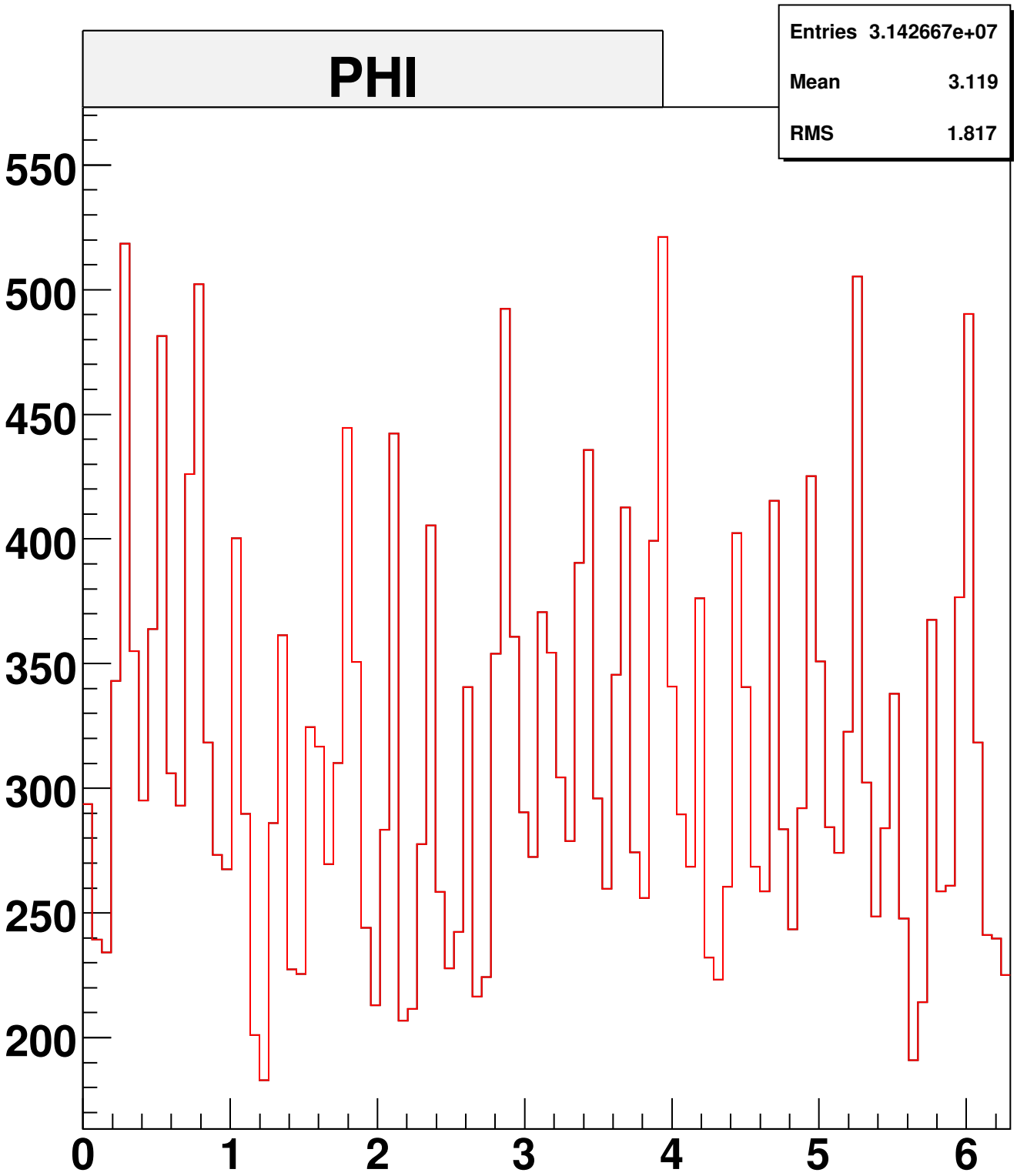


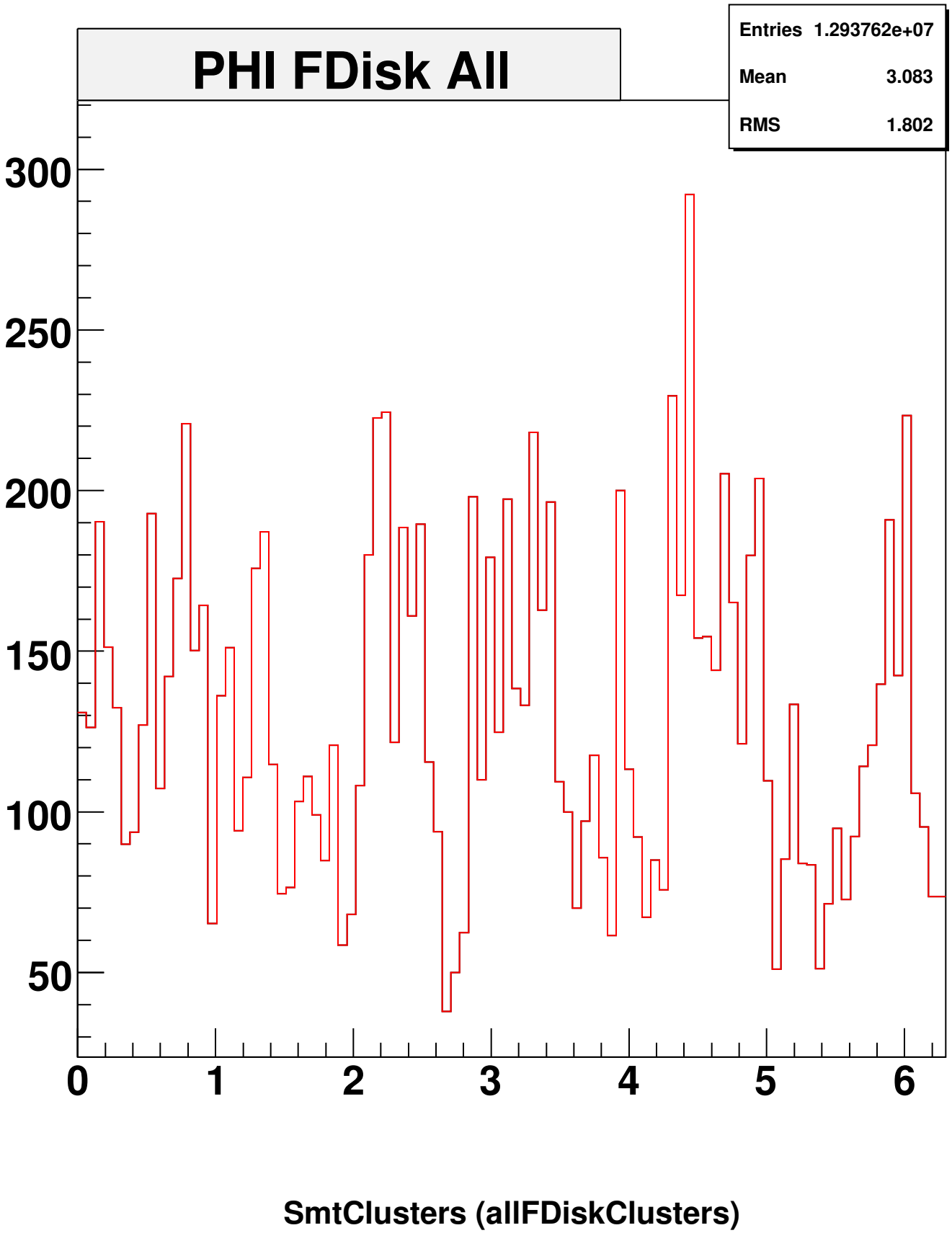


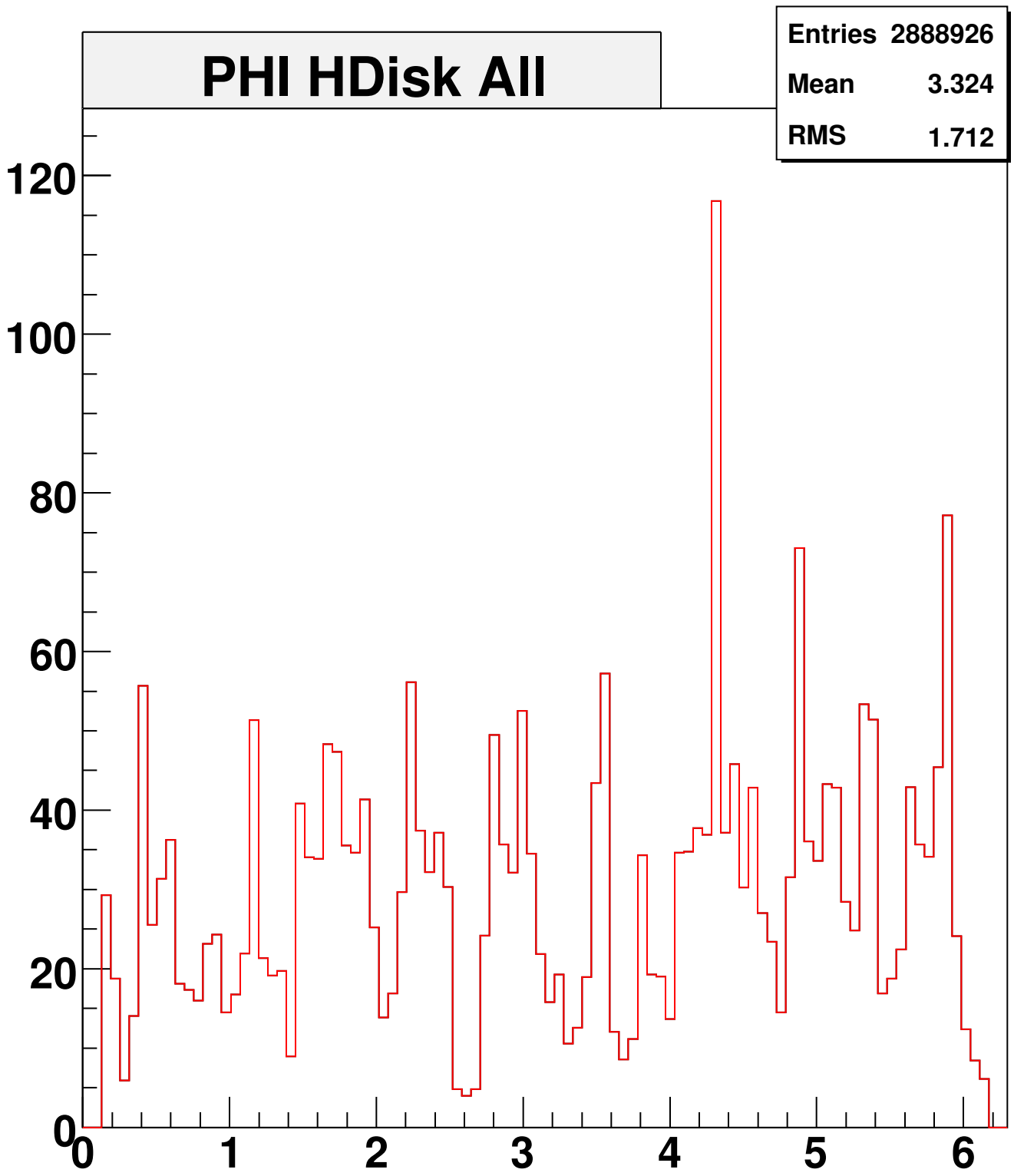


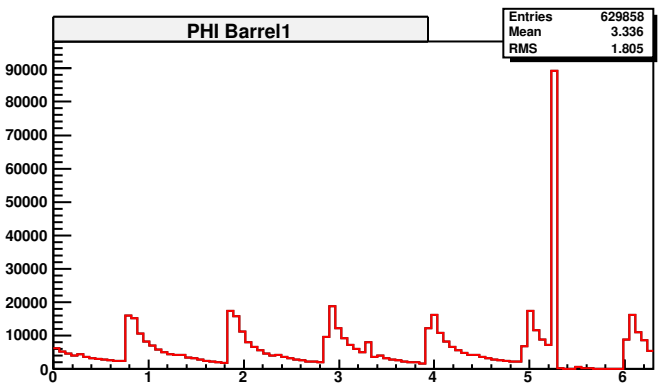


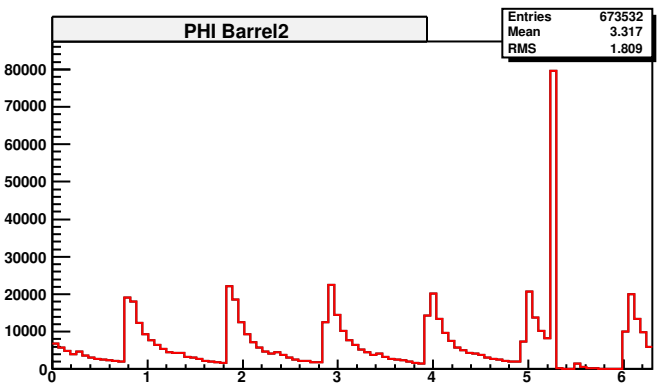
CPS Clusters (All Clusters)

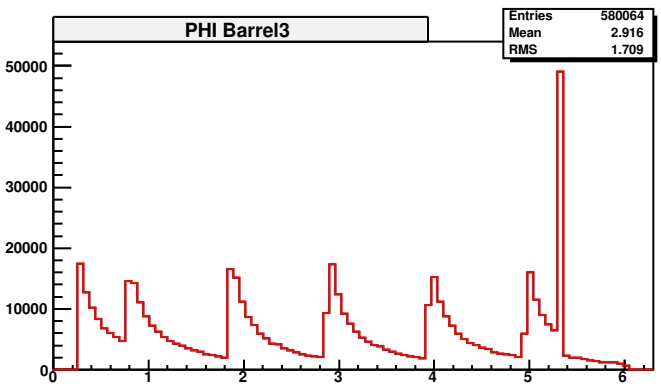

PHI
Entries 3.142667e+07
Mean 3.119
RMS 1.817
550
500
450
400
350
300
250
200
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

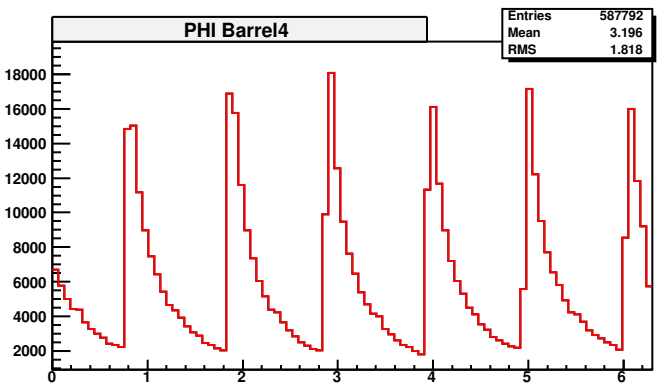

PHI FDisk All
Entries 1.293762e+07
Mean 3.083
RMS 1.802
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

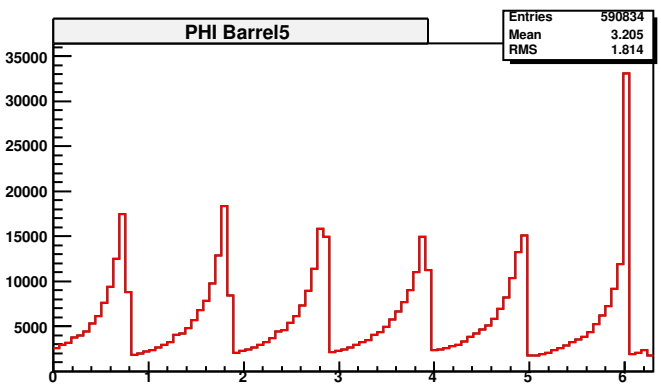

PHI HDisk All
Entries 2888926
Mean 3.324
RMS 1.712
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

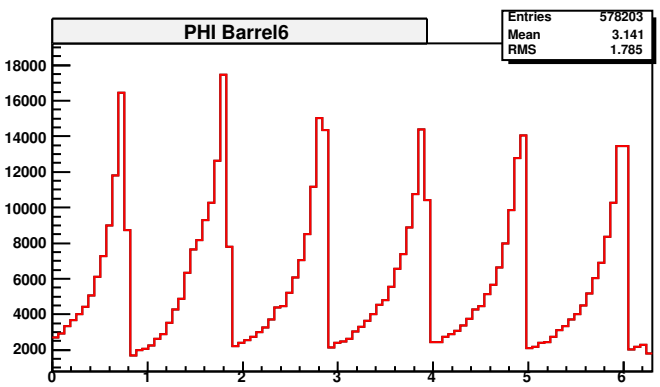


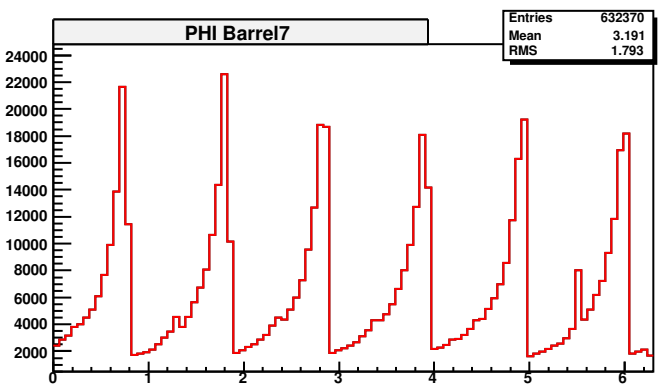


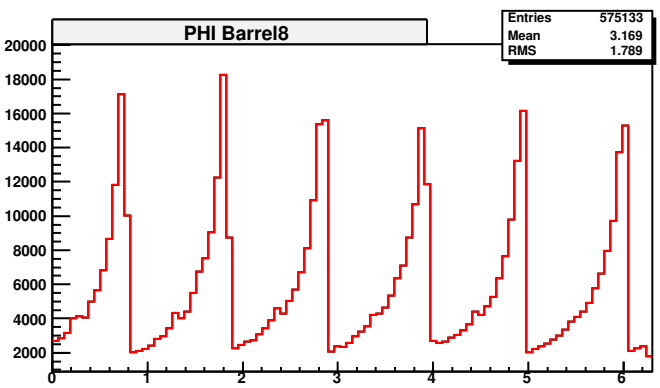




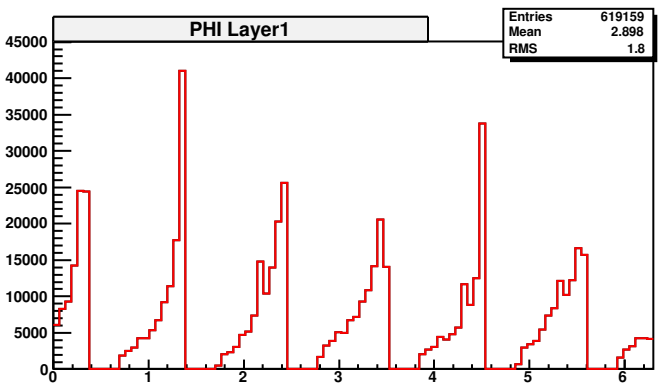


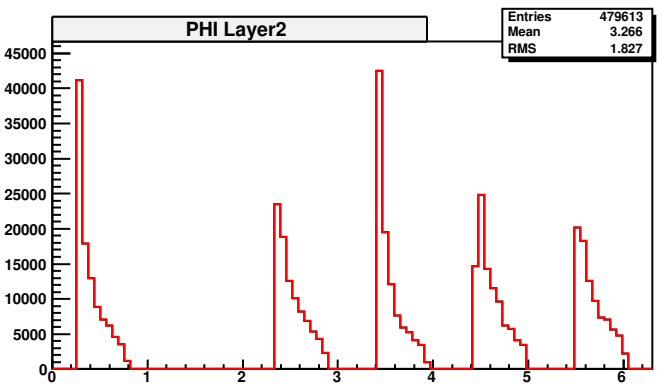


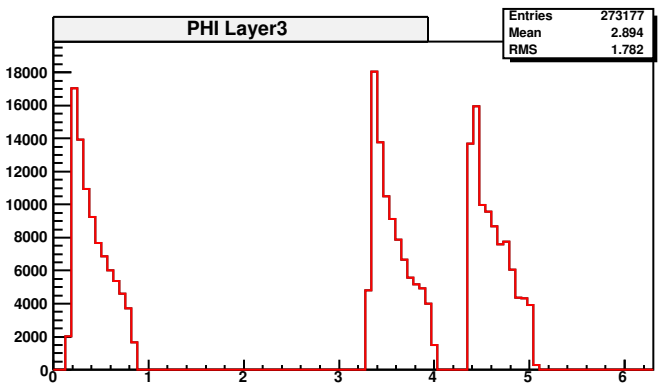


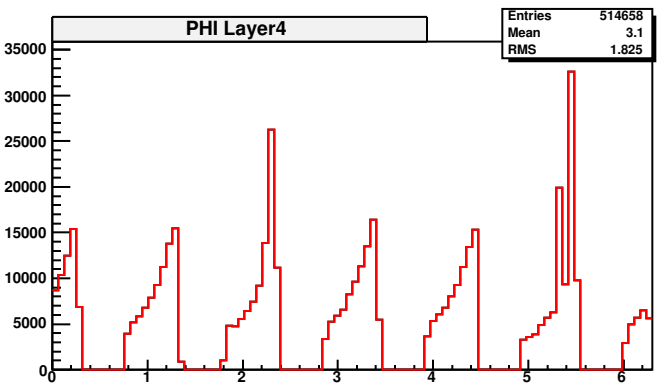


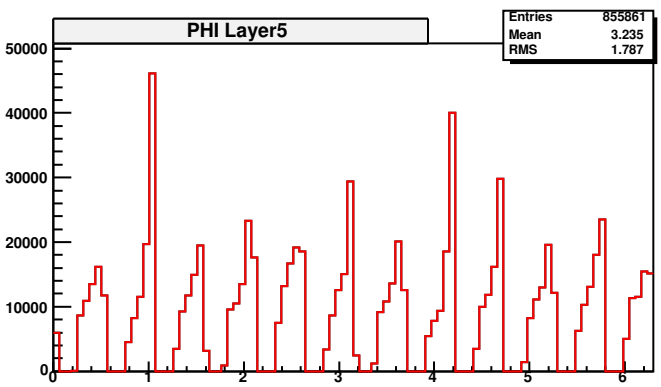
SmtClusters (ClustrLayer0)

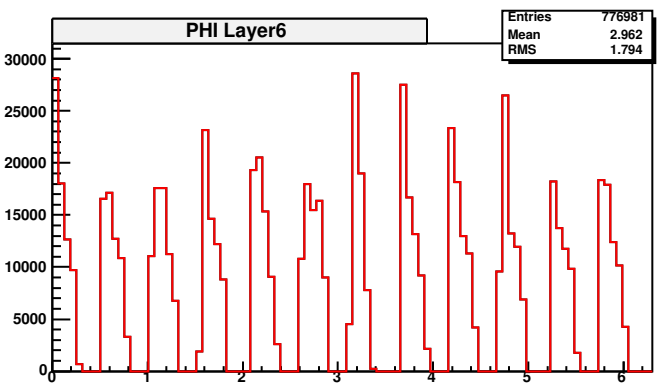


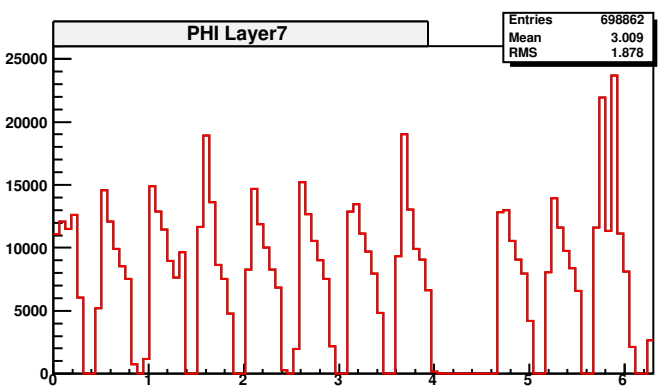


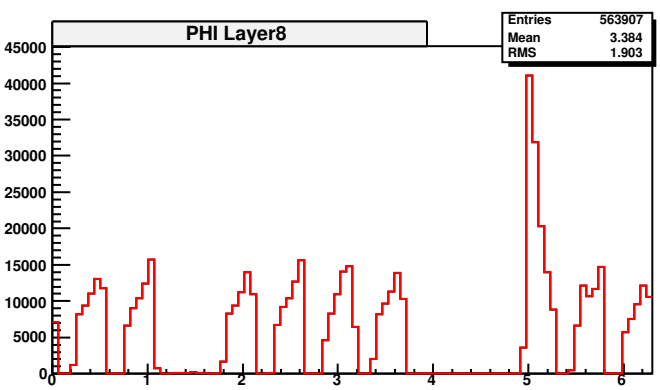




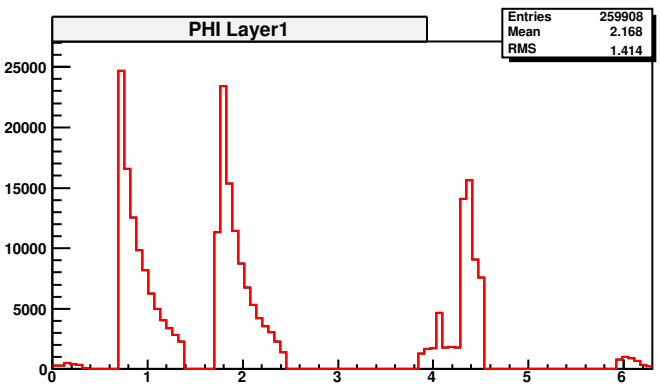


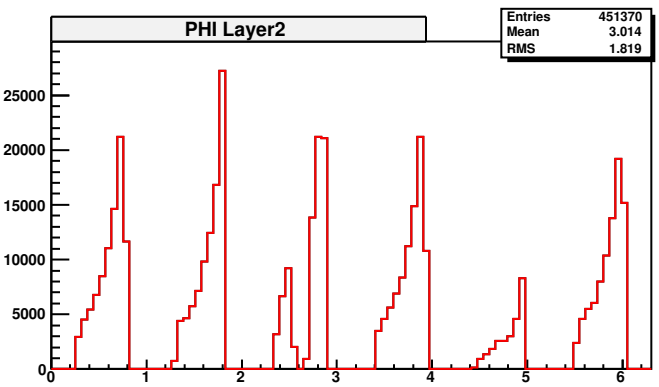


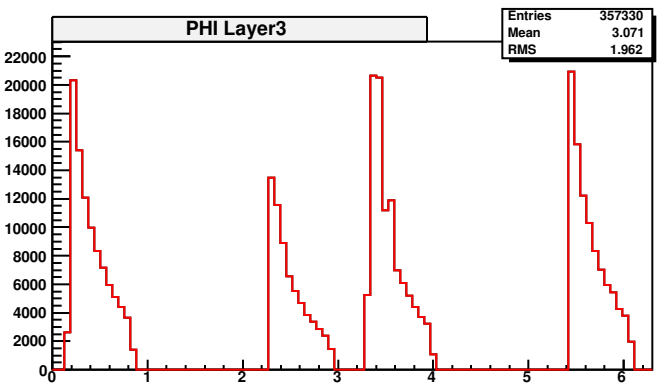


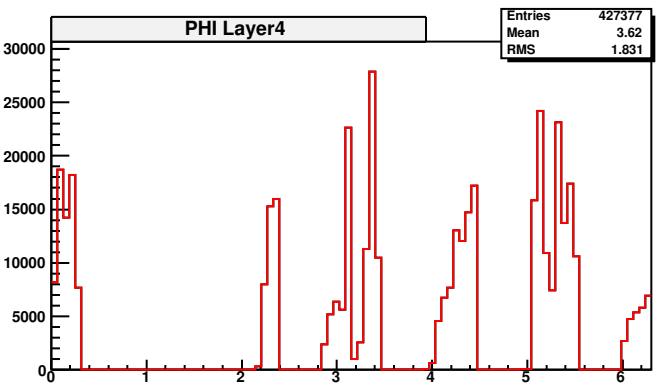


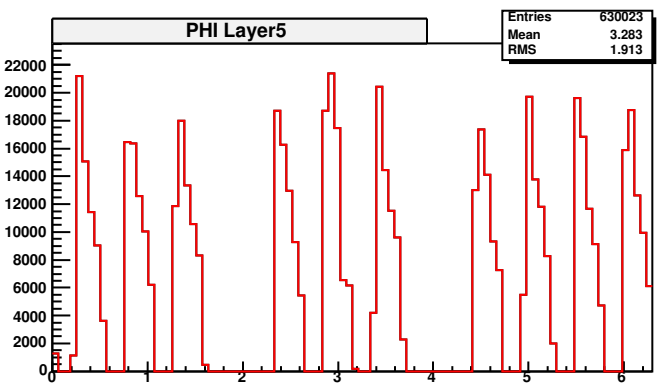
SmtClusters (ClustrBar1)

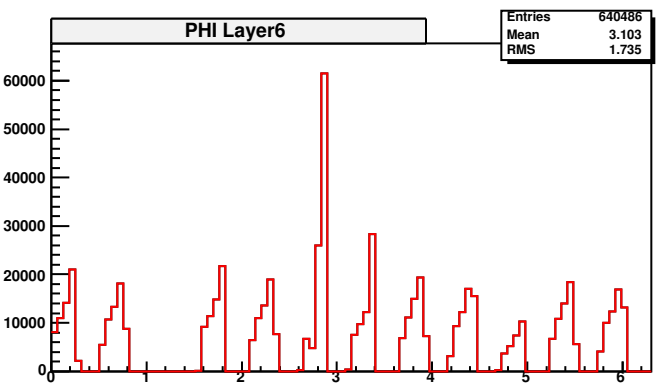


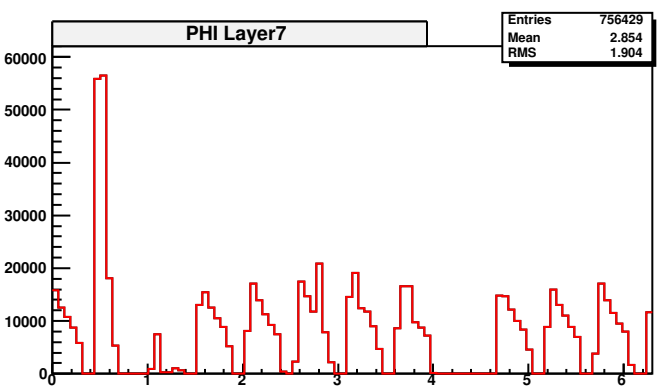


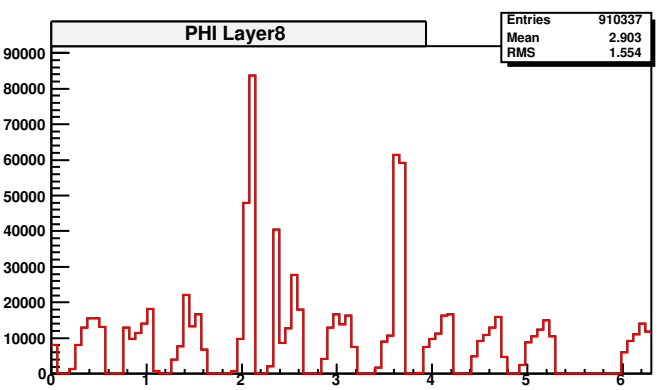




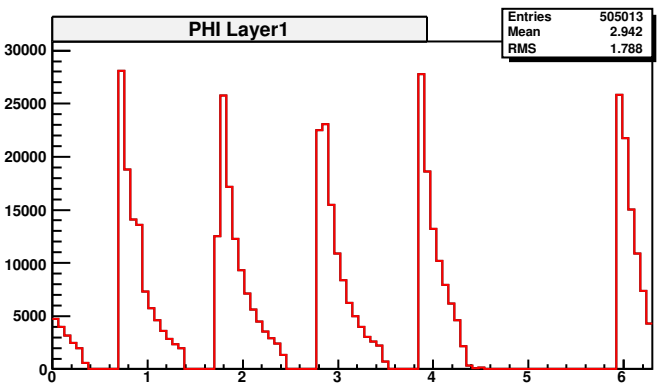


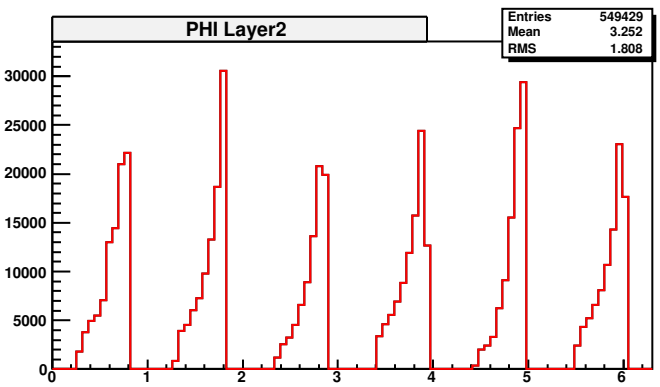


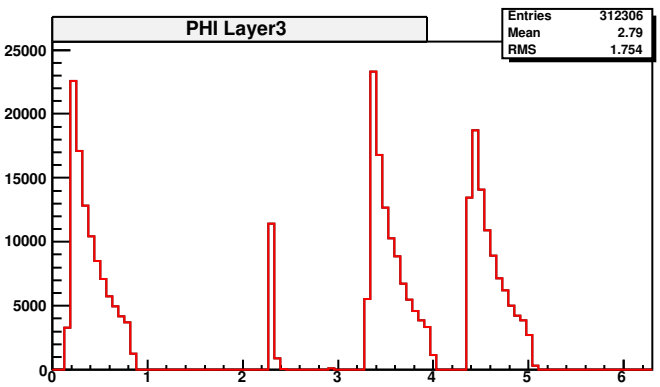


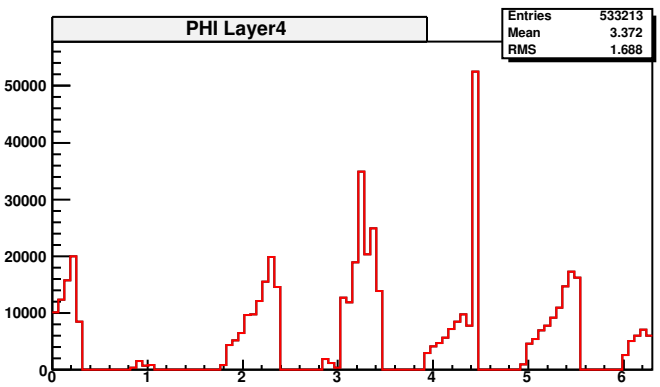


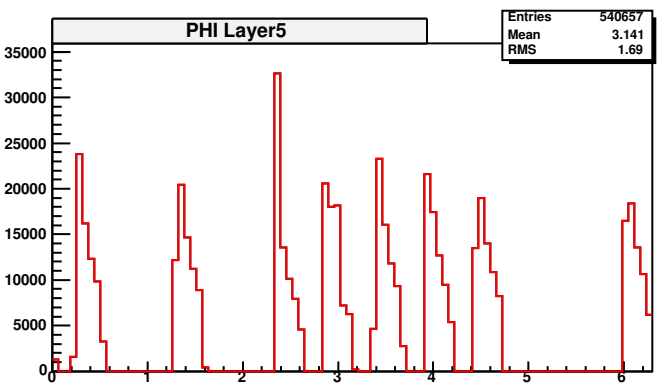
SmtClusters (ClustrBar2)

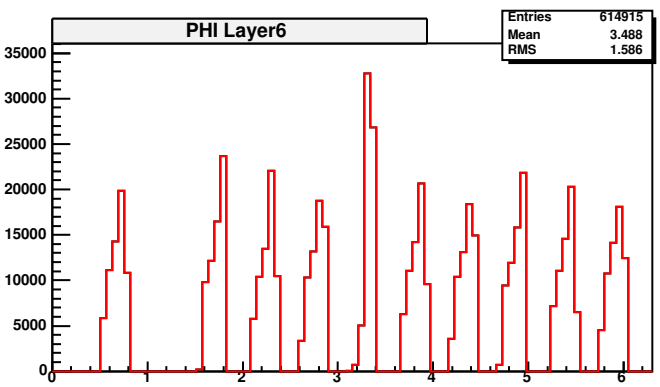


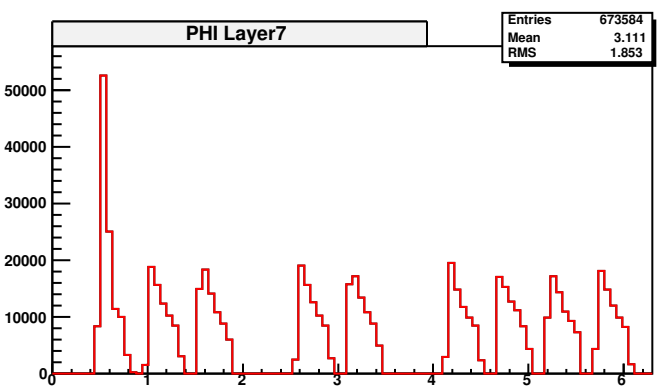


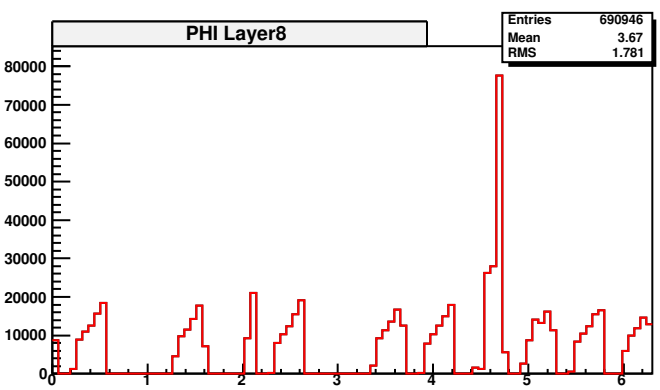




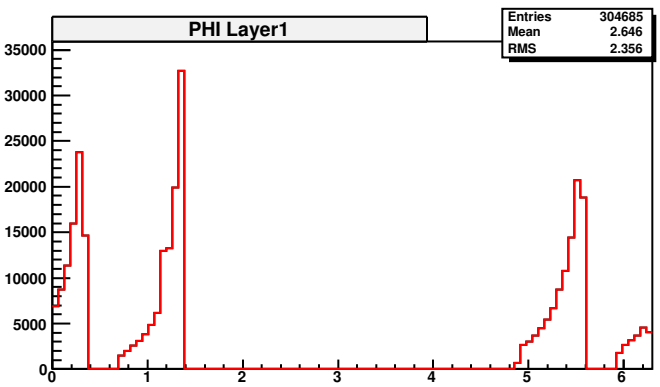


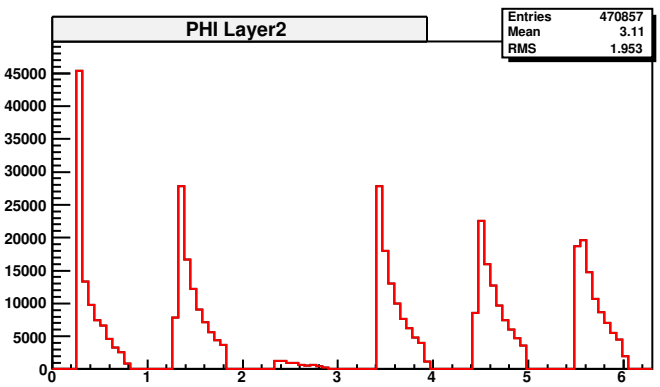


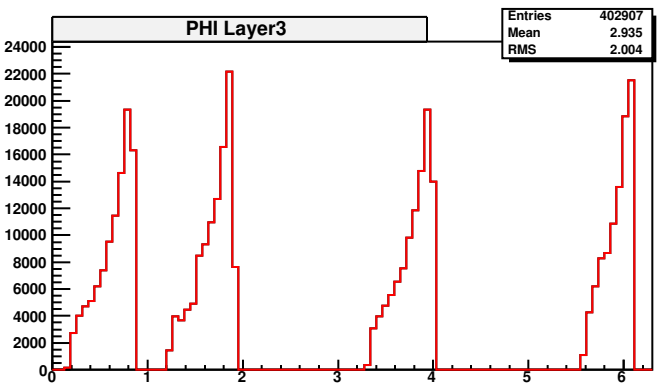


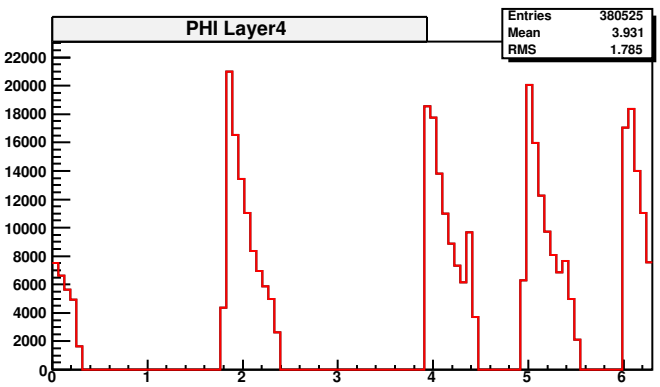


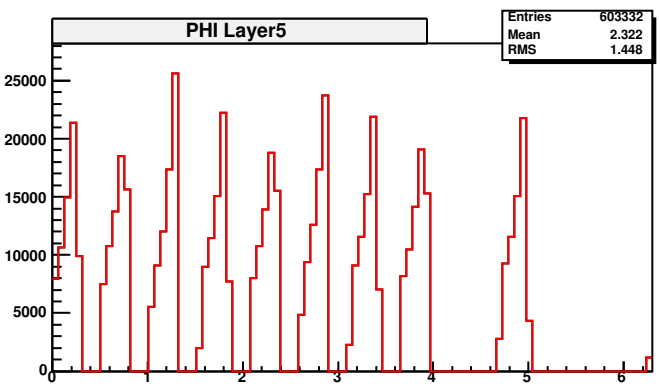
SmtClusters (ClustrBar3)

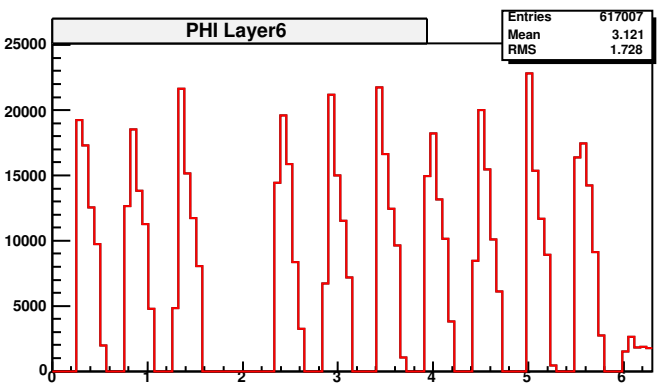


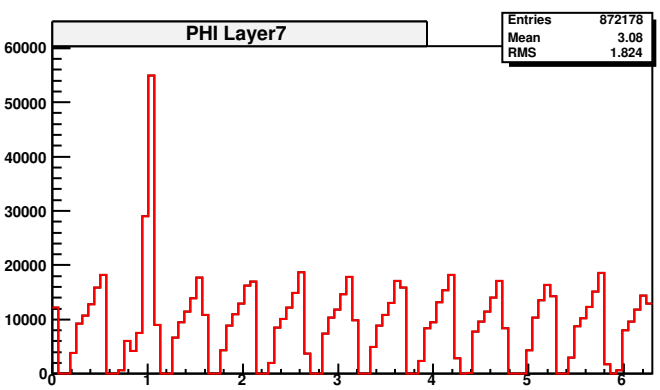


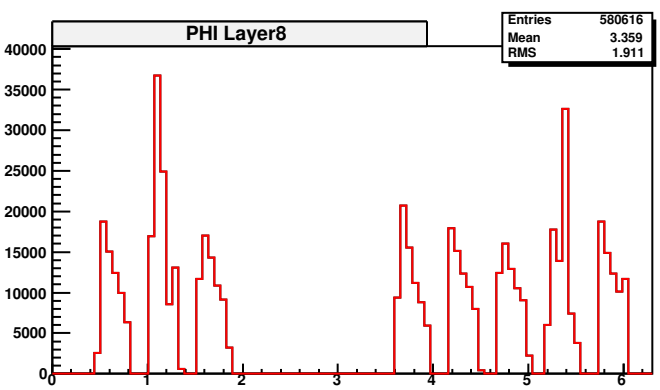




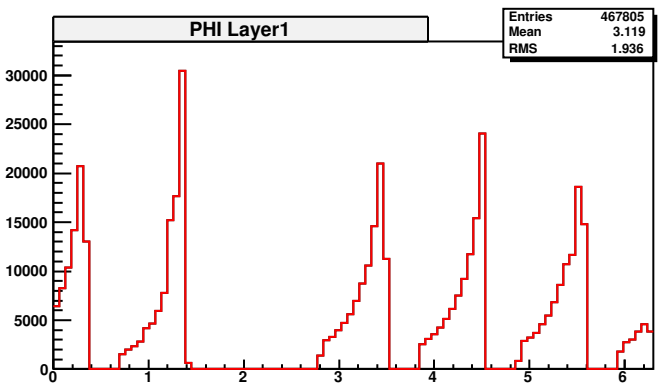


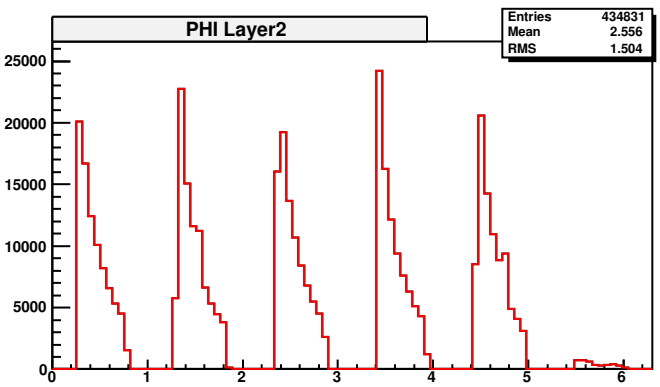


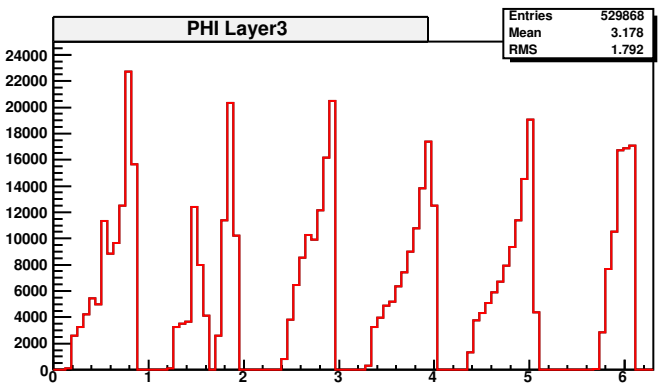


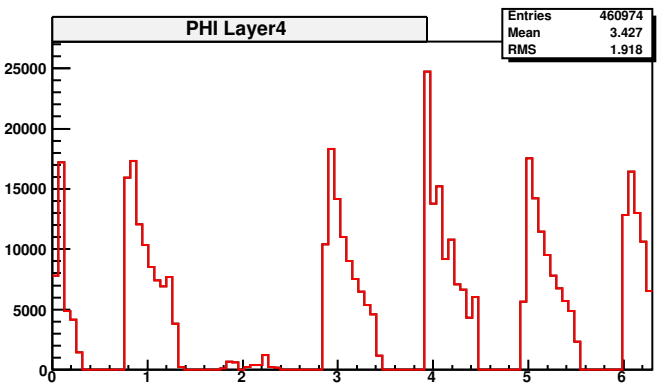


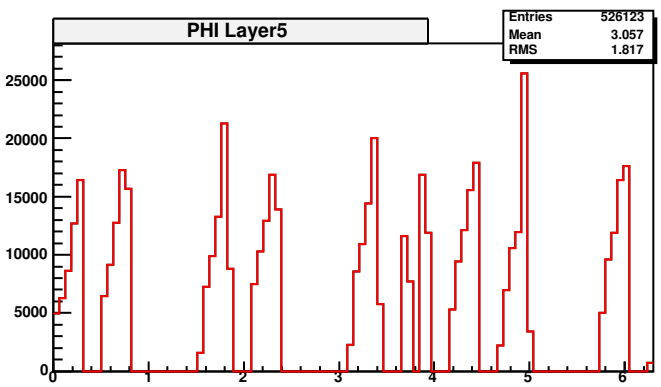
SmtClusters (ClustrBar4)

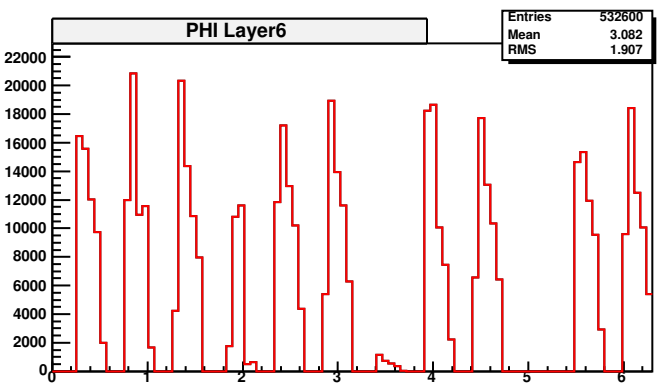


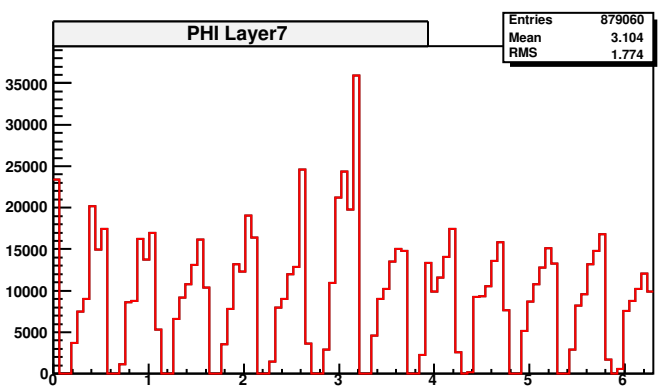


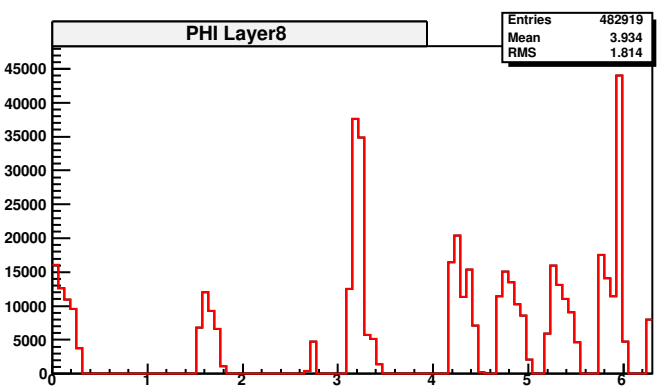




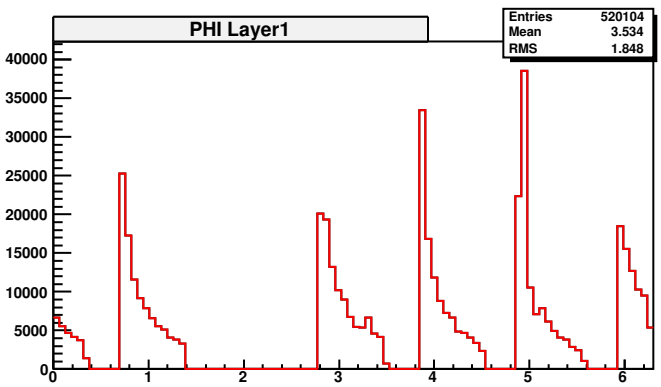


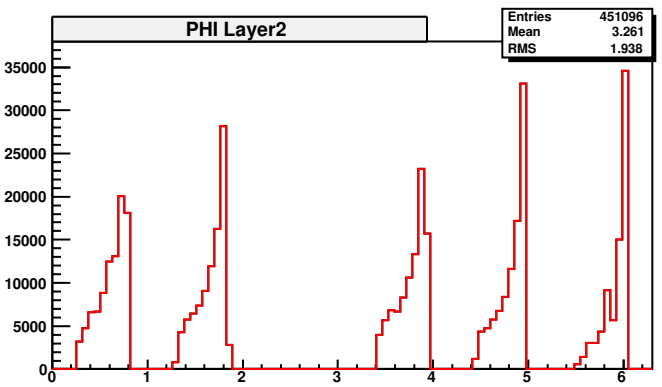


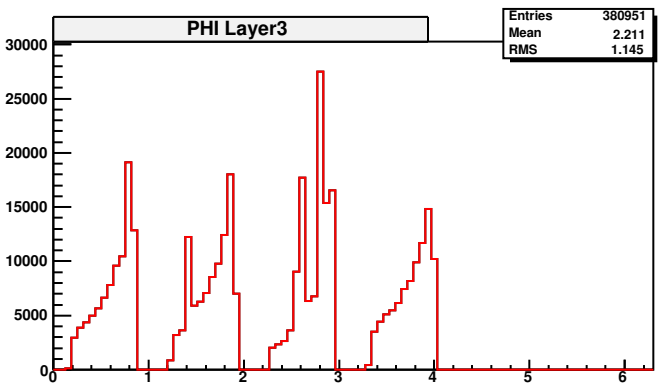


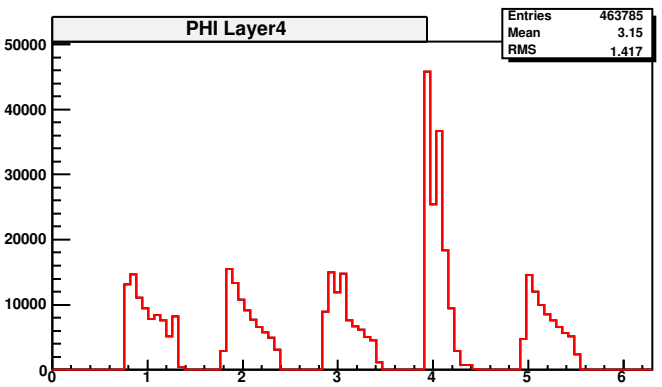


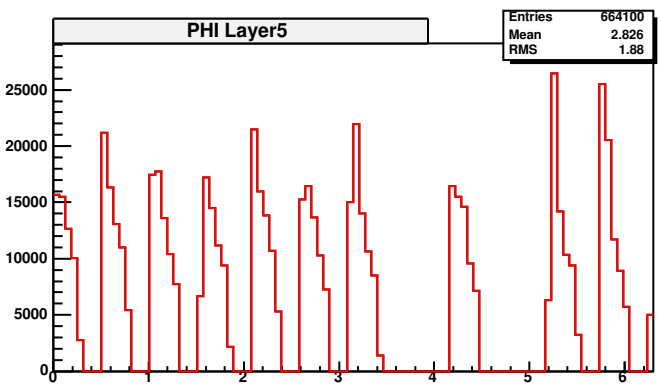
SmtClusters (ClustrBar5)

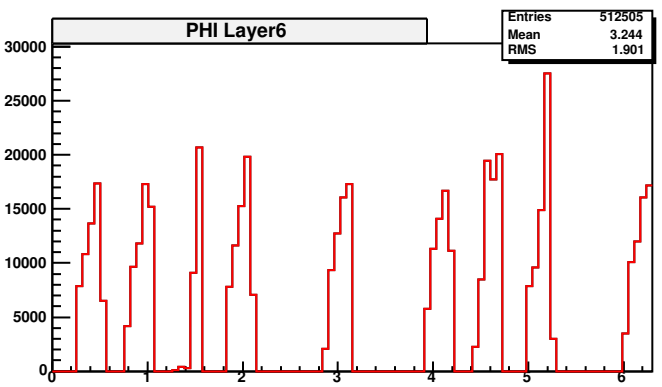


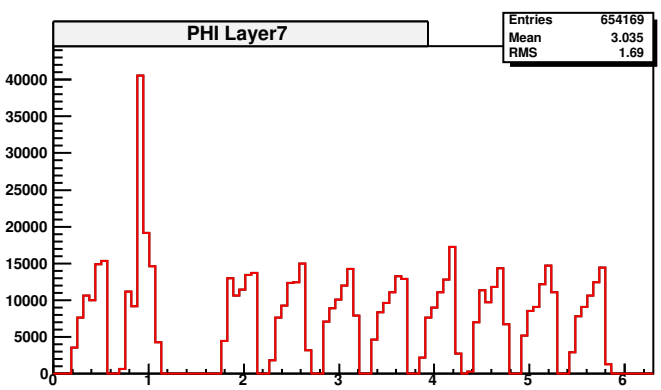


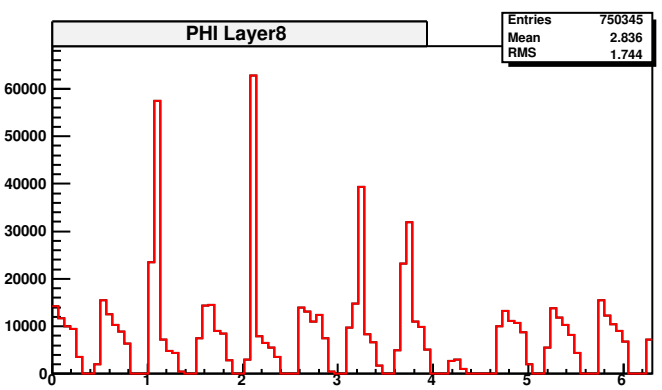




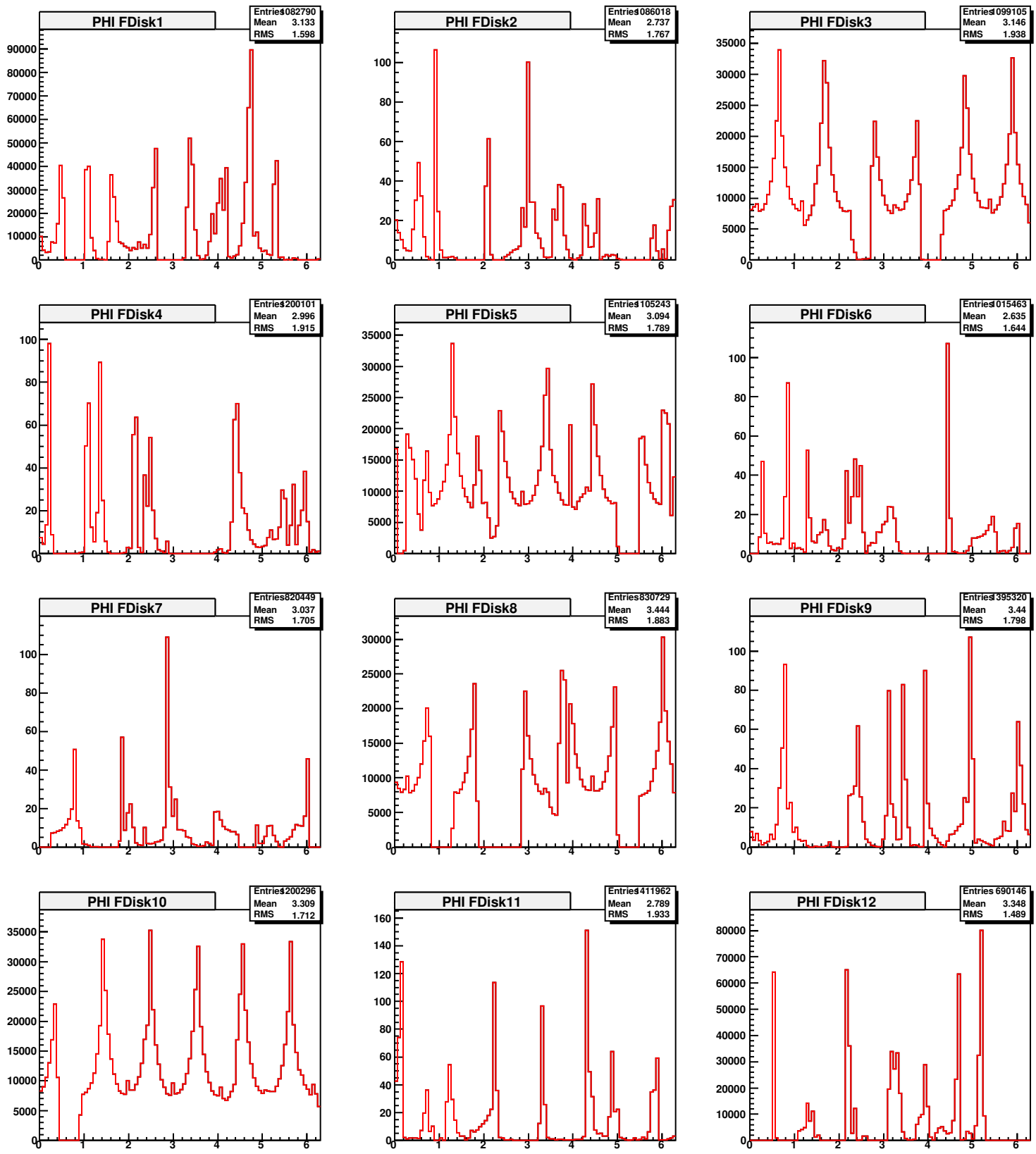




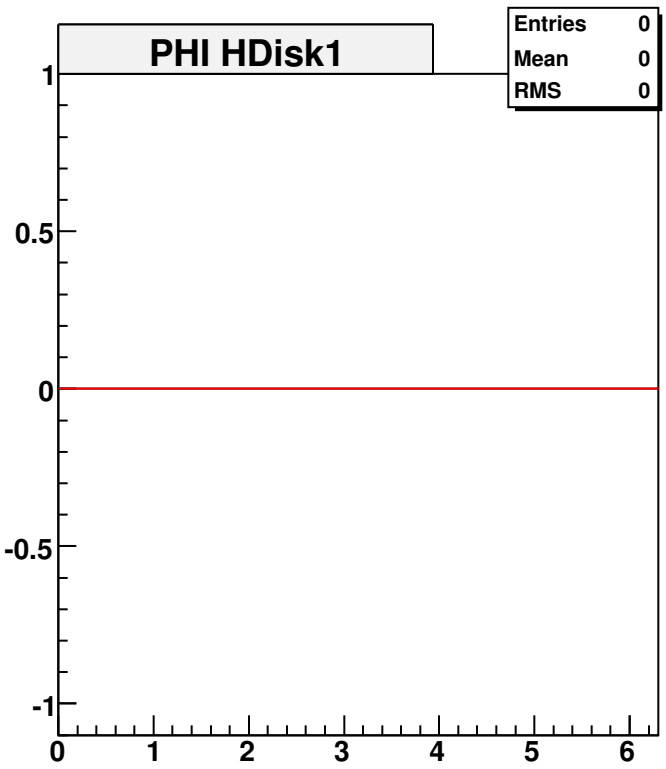


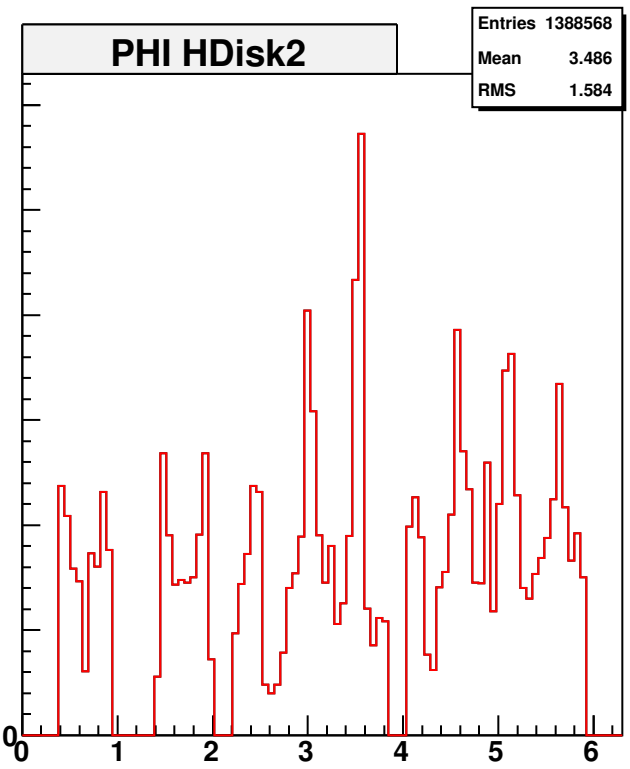


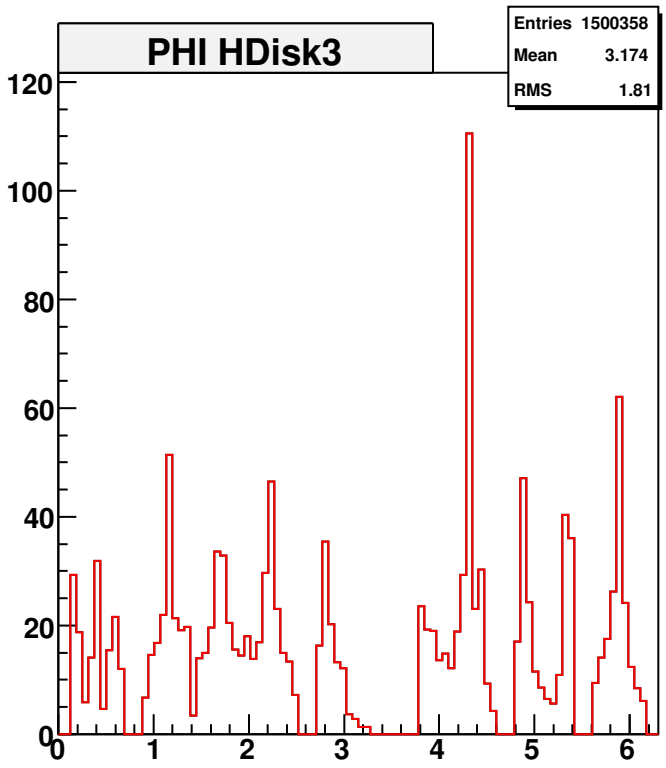
SmtClusters (ClustrBar6)

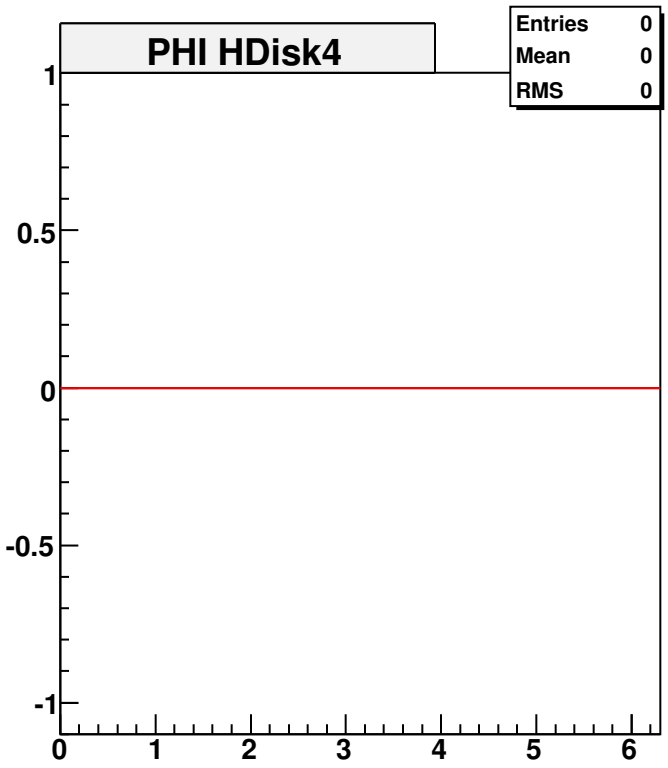


SmtClusters (FDiskClusters)

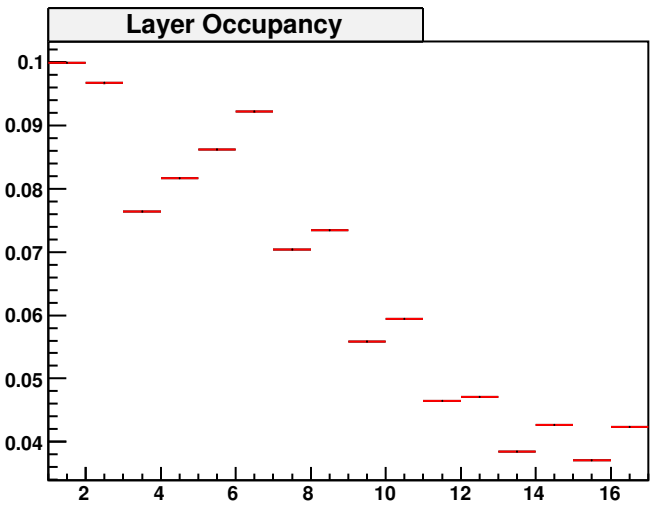


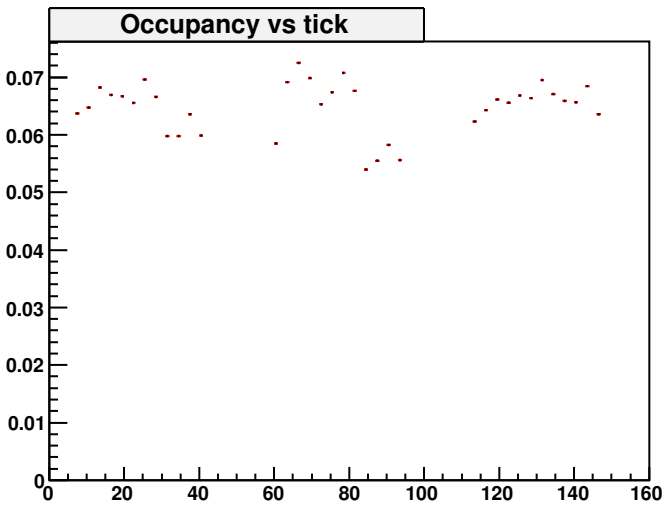


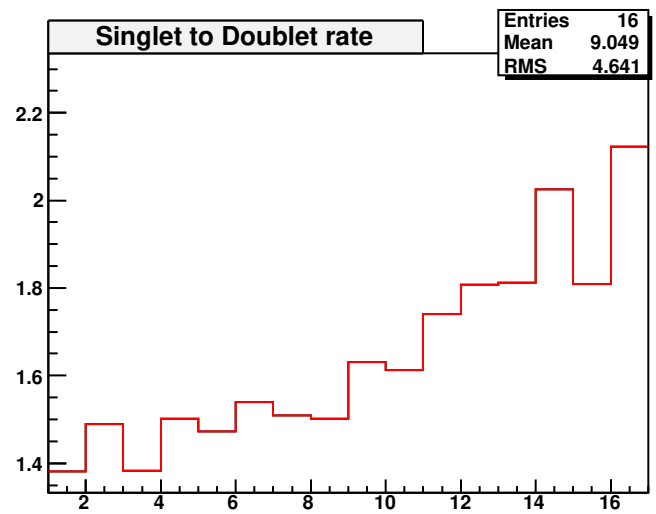


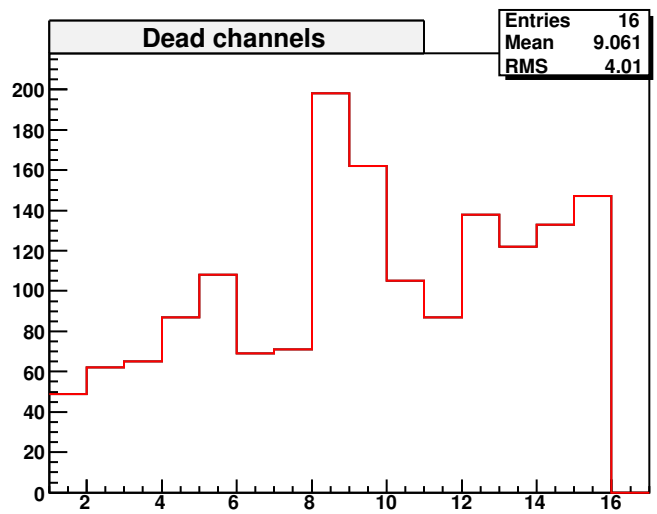


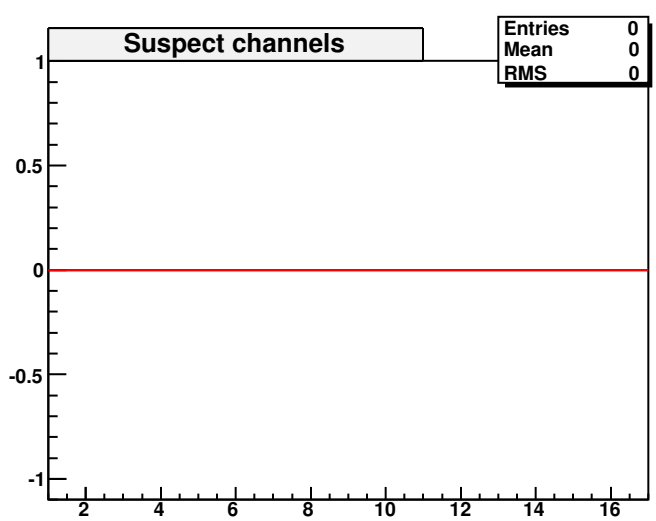
SmtClusters (HDiskClusters)

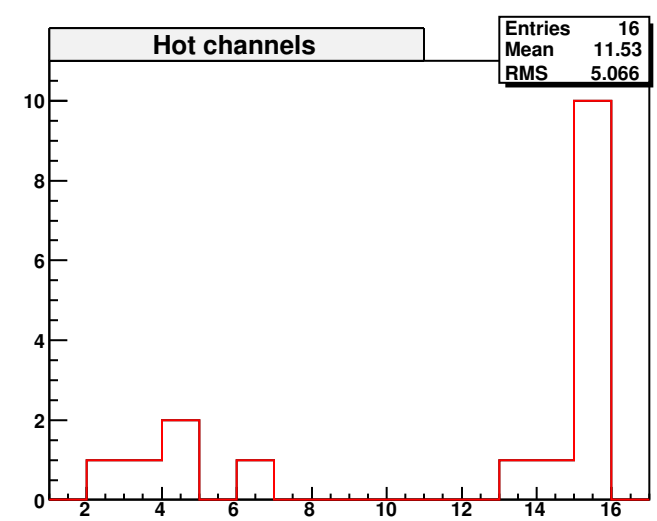




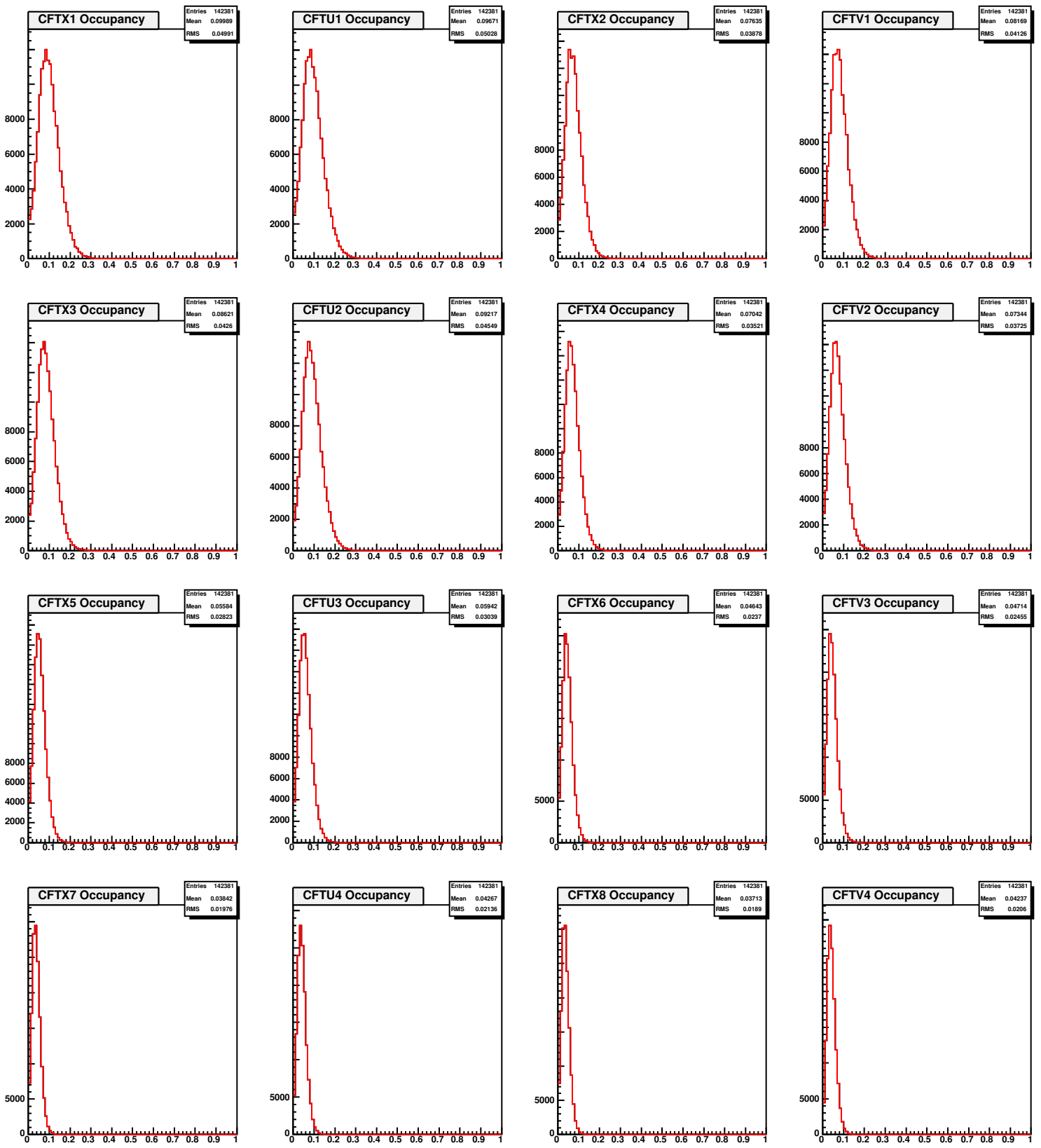




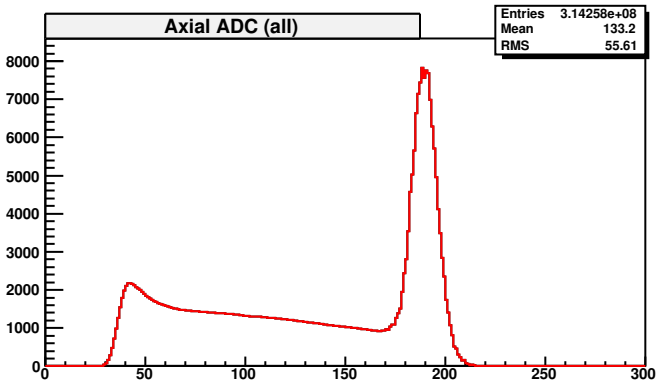


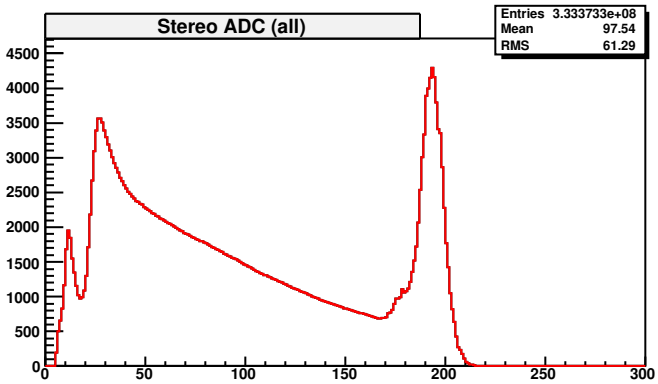


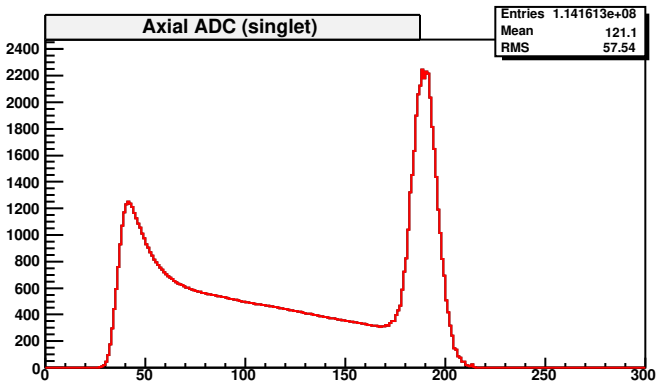
CFT Summary (All Clusters)

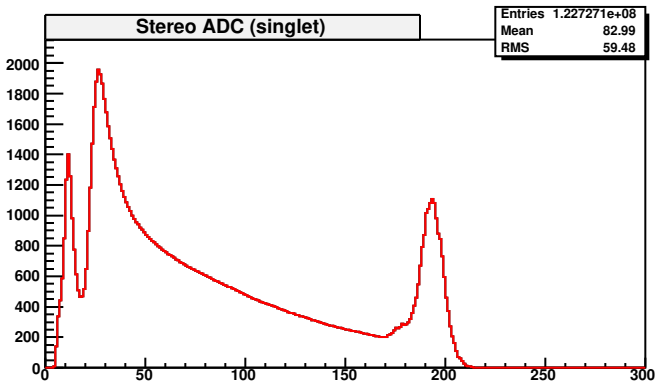


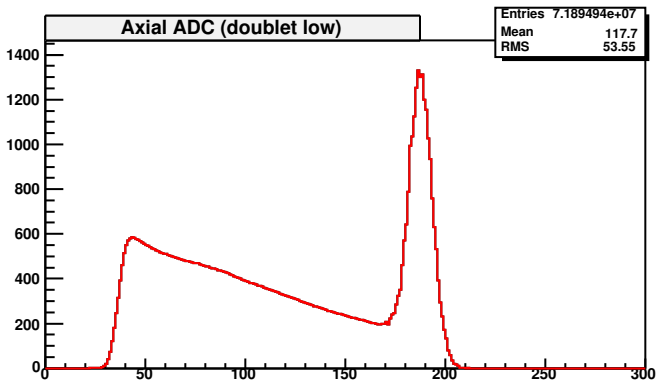
CFT Occupancy (All Clusters)

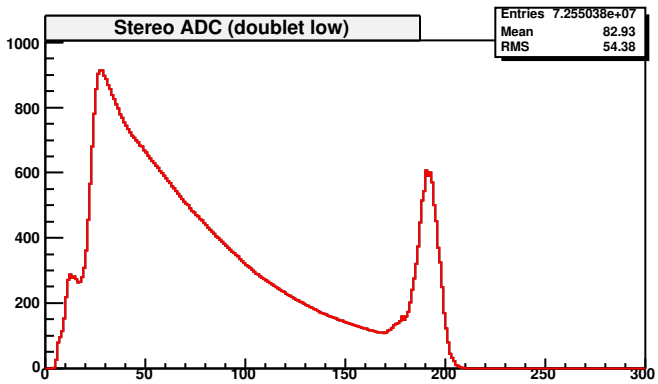


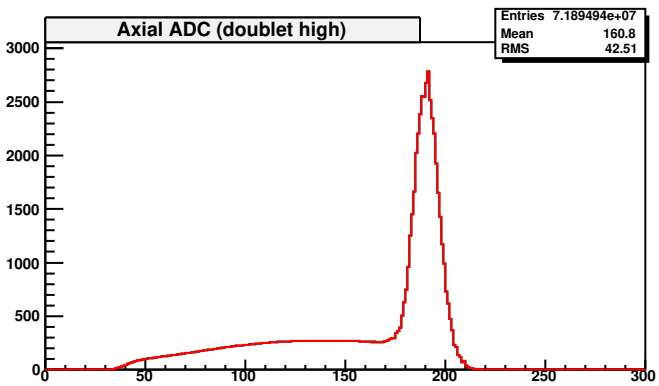


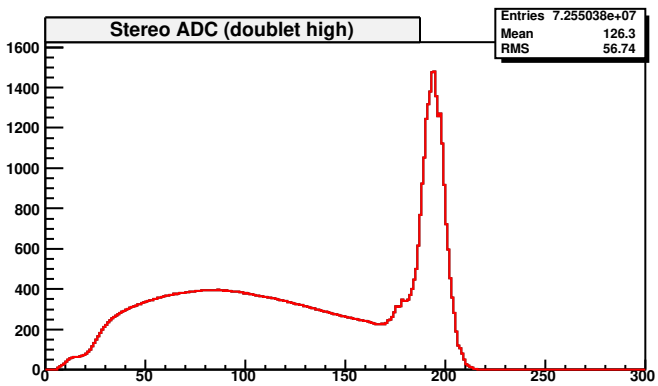




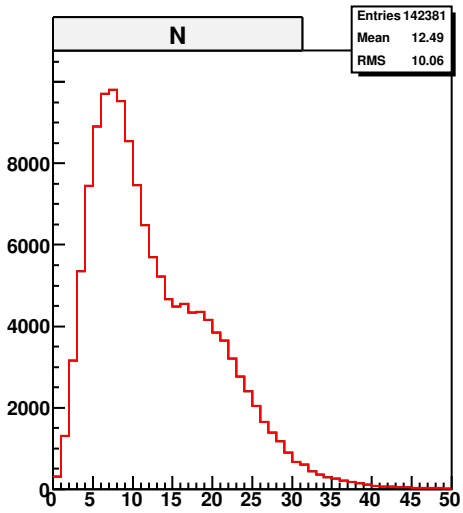


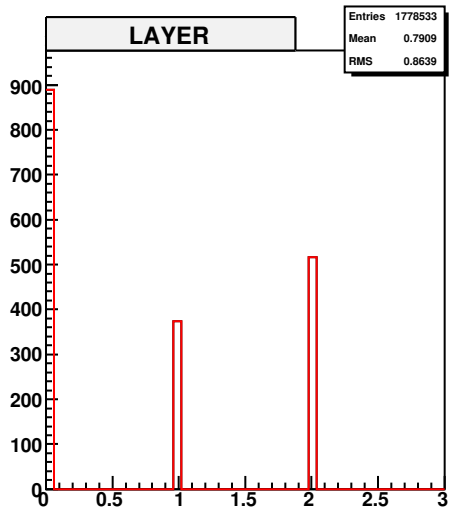


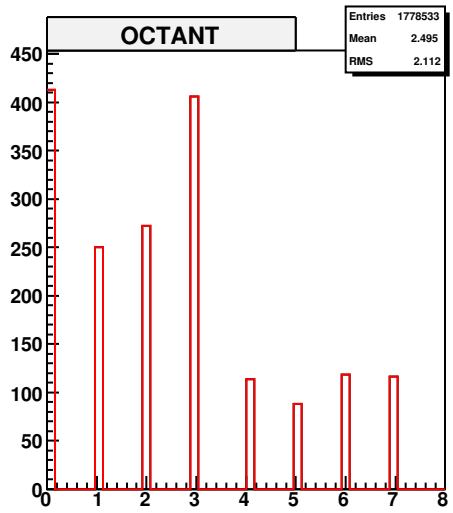


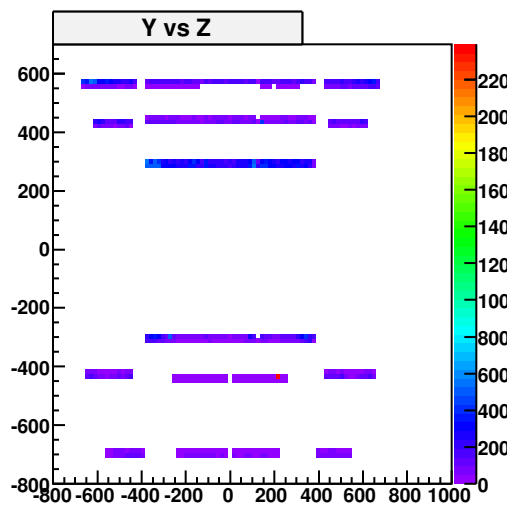


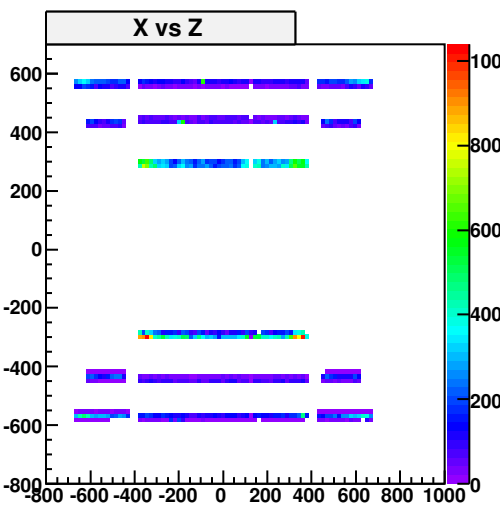
CFT ADC Summary (All Clusters)

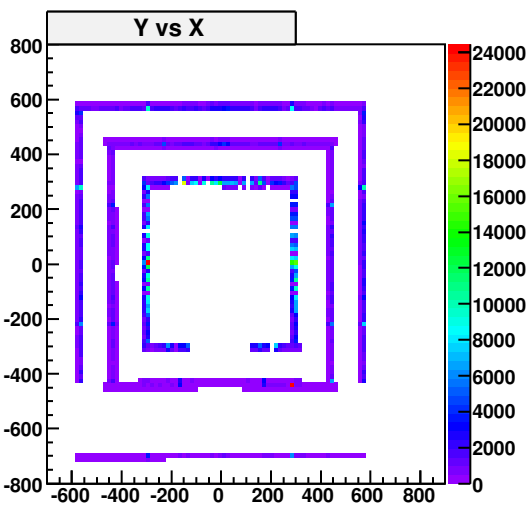

N
Entries 142381
Mean 12.49
RMS 10.06

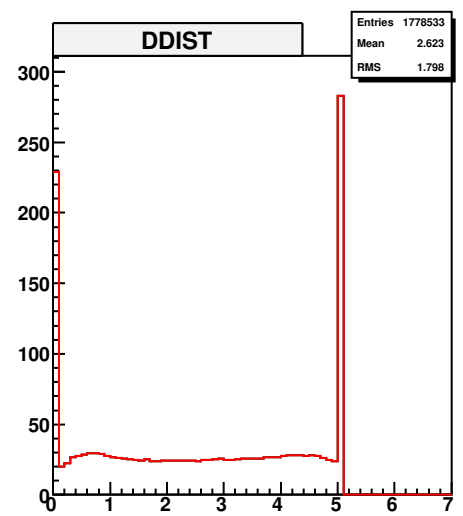

LAYER
Entries 1778533
Mean 0.7909
RMS 0.8639

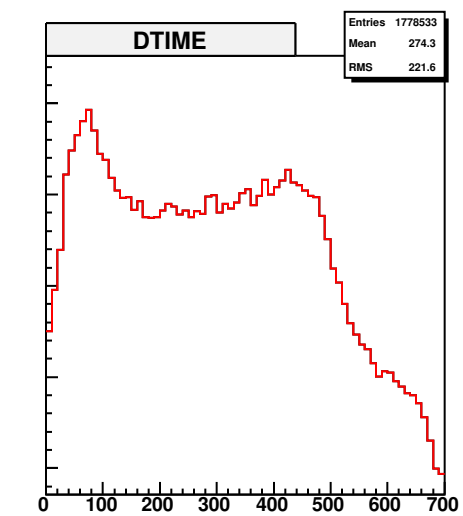

OCTANT
Entries 1778533
Mean 2.495
RMS 2.112


Y vs Z

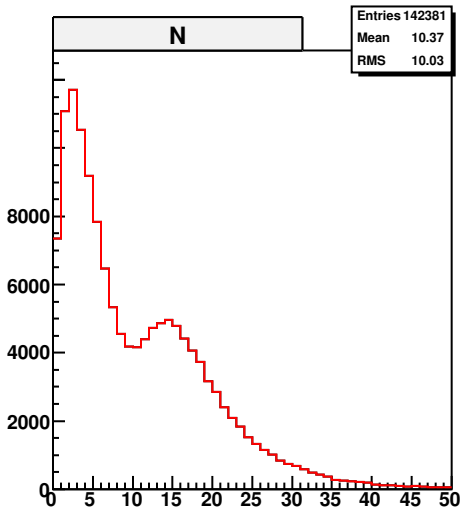

X vs Z

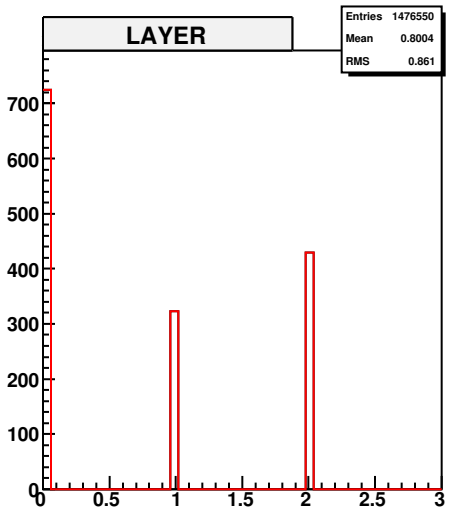

Y vs X

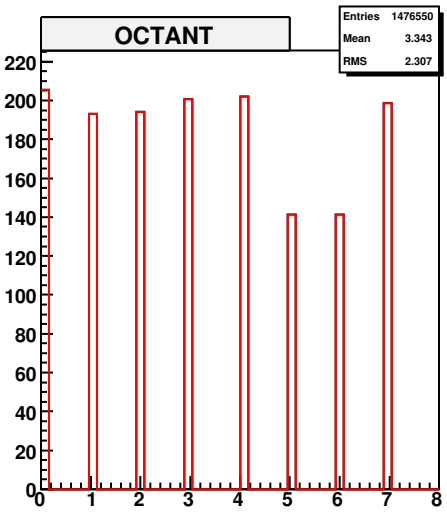

DDIST
Entries 1778533
Mean 2.623
RMS 1.798

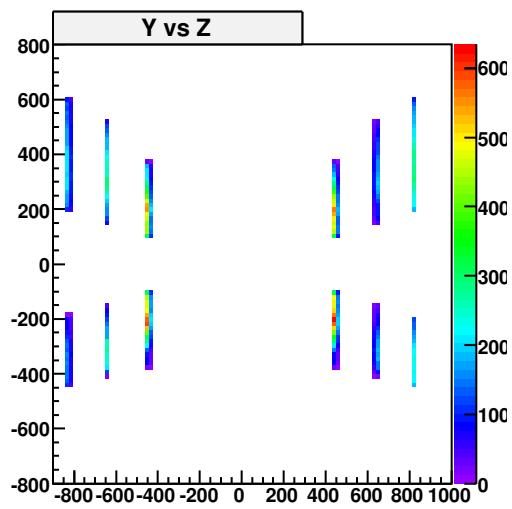

DTIME
Entries 1778533
Mean 274.3
RMS 221.6

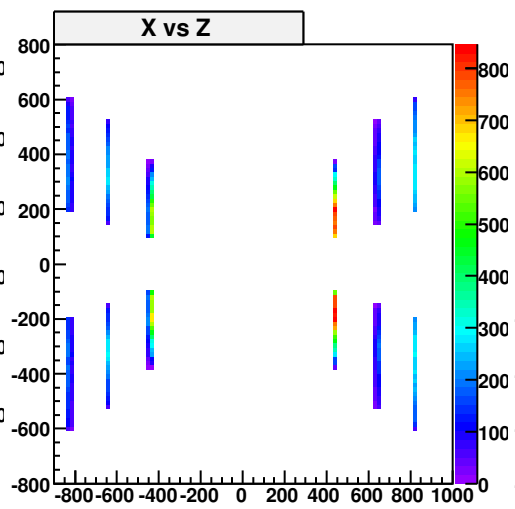
MuonPDT (All)

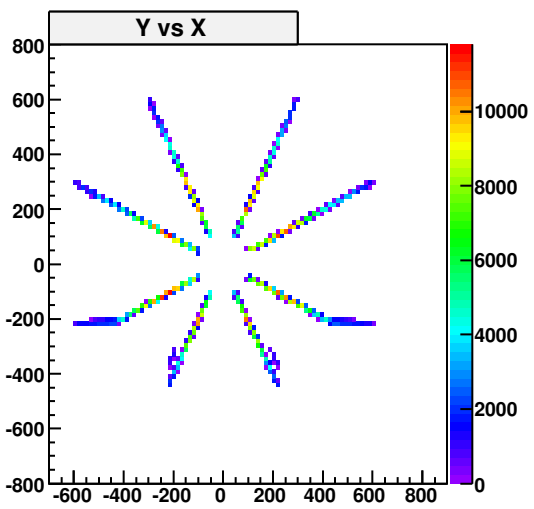

N
Entries 142381
Mean 10.37
RMS 10.03

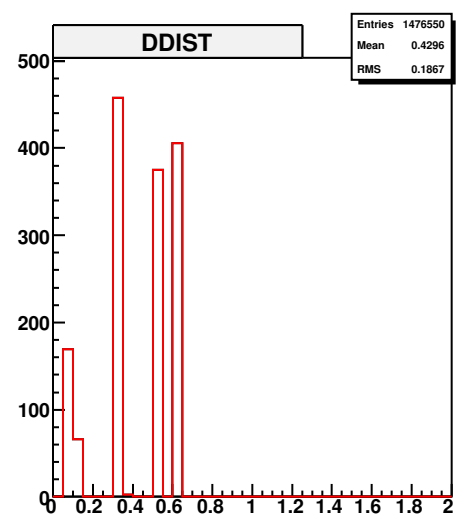

LAYER
Entries 1476550
Mean 0.8004
RMS 0.861

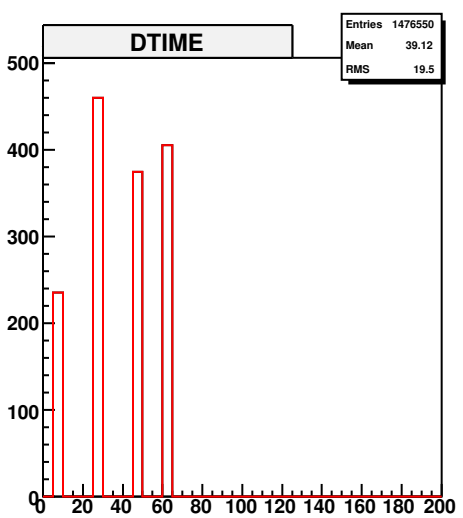

OCTANT
Entries 1476550
Mean 3.343
RMS 2.307


Y vs Z

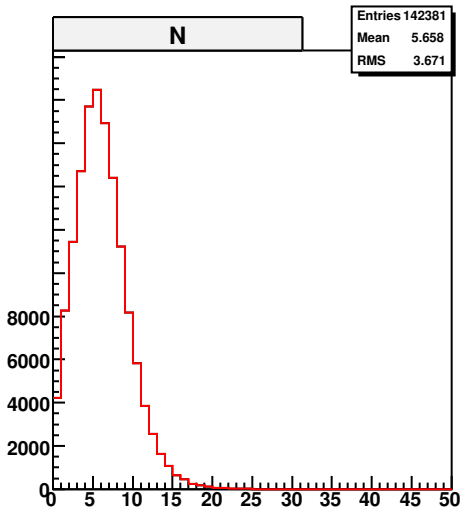

X vs Z

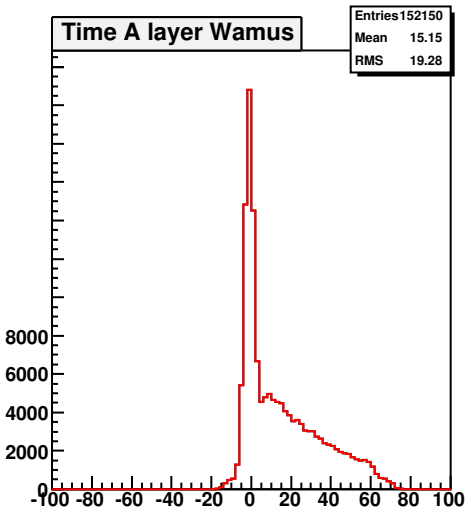

Y vs X

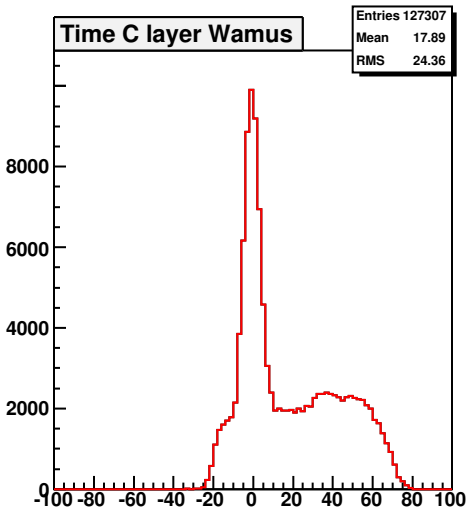

DDIST
Entries 1476550
Mean 0.4296
RMS 0.1867

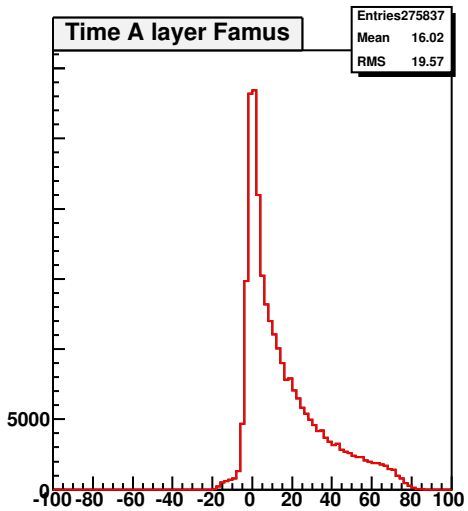

DTIME
Entries 1476550
Mean 39.12
RMS 19.5

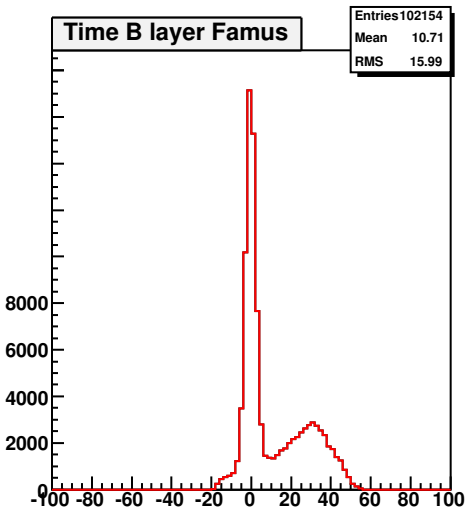
MuonMDT (All)

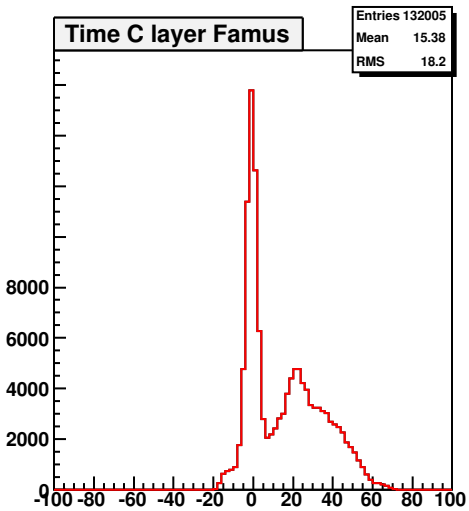

N
Entries 142381
Mean 5.658
RMS 3.671

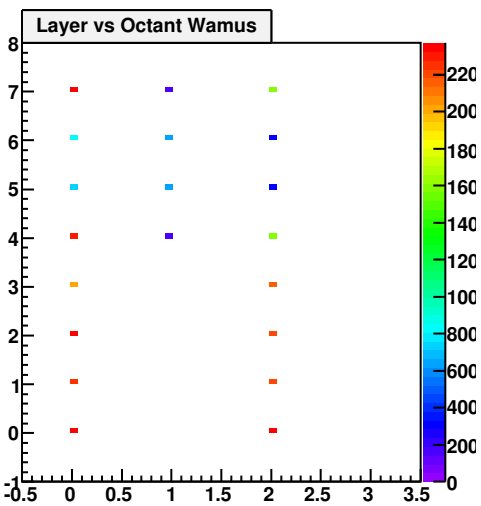

Time A layer Wamus
Entries 152150
Mean 15.15
RMS 19.28

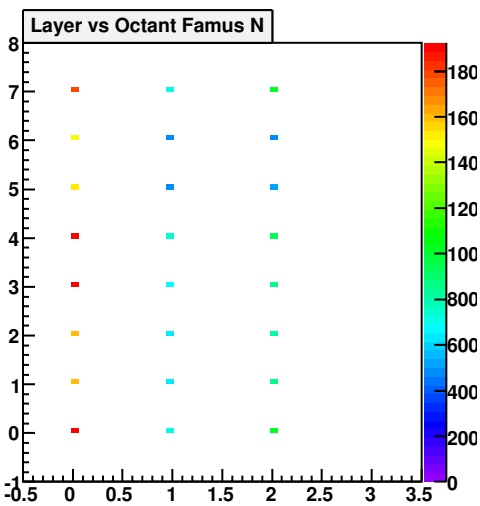

Time C layer Wamus
Entries 127307
Mean 17.89
RMS 24.36

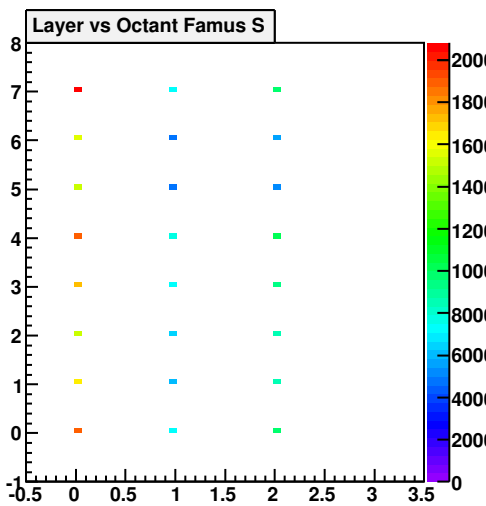

Time A layer Famus
Entries 275837
Mean 16.02
RMS 19.57


Time B layer Famus
Entries 102154
Mean 10.71
RMS 15.99

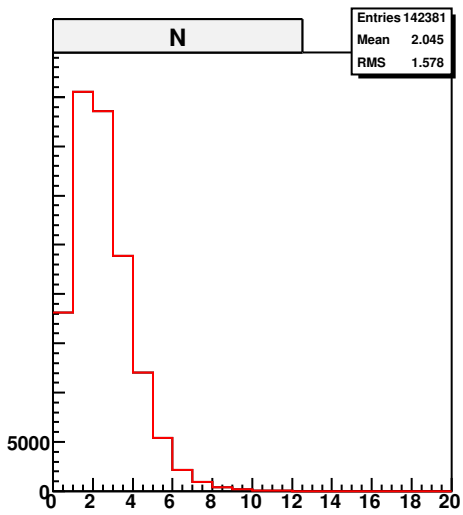

Time C layer Famus
Entries 132005
Mean 15.38
RMS 18.2

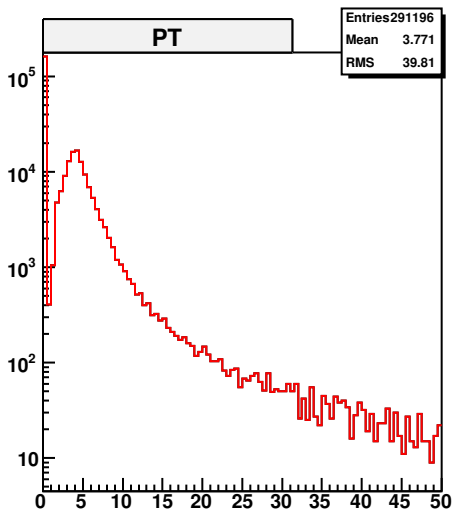

Layer vs Octant Wamus

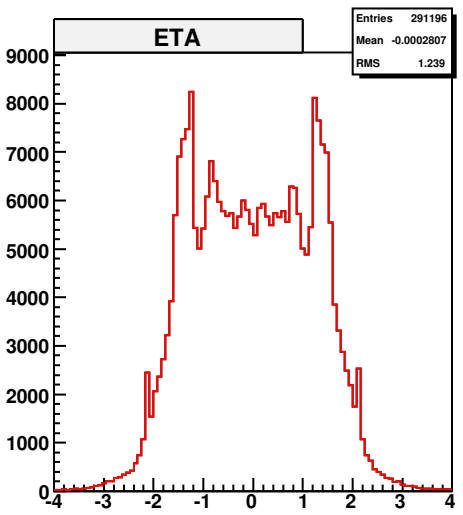

Layer vs Octant Famus N

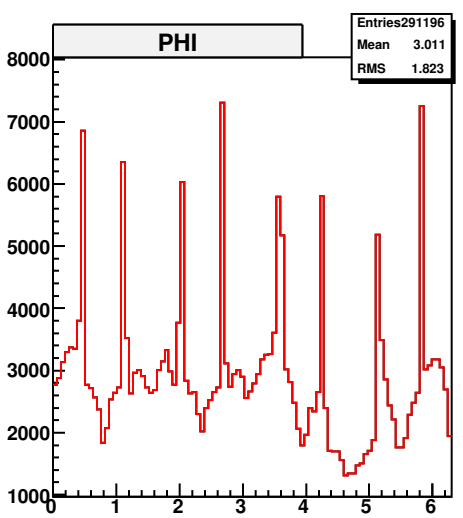

Layer vs Octant Famus S

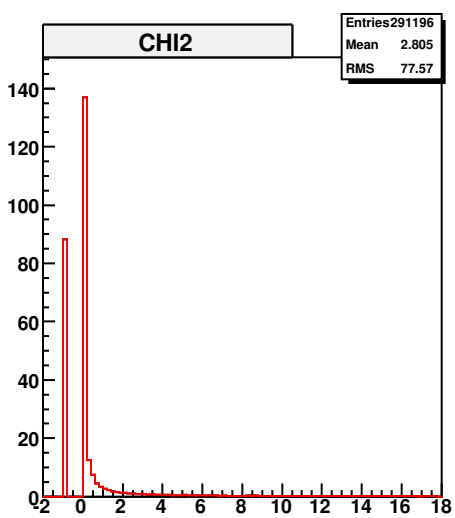
MuonMSC (All)

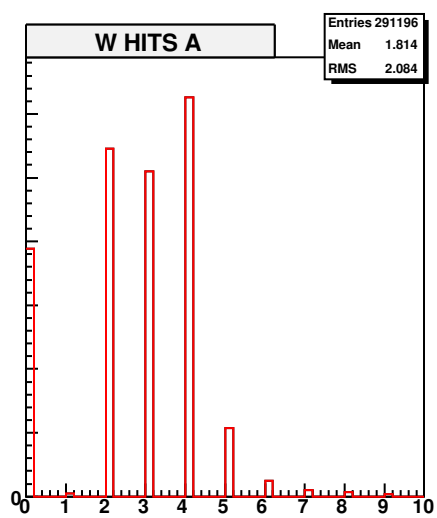


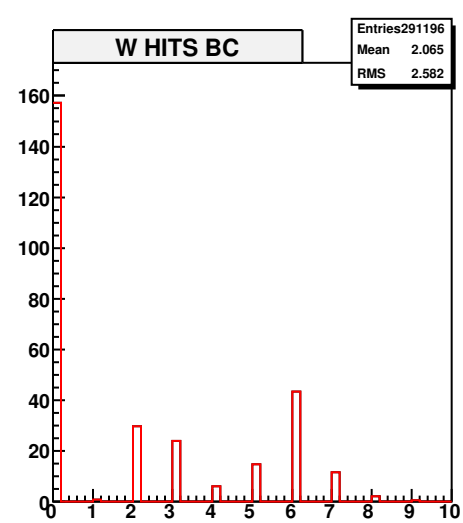


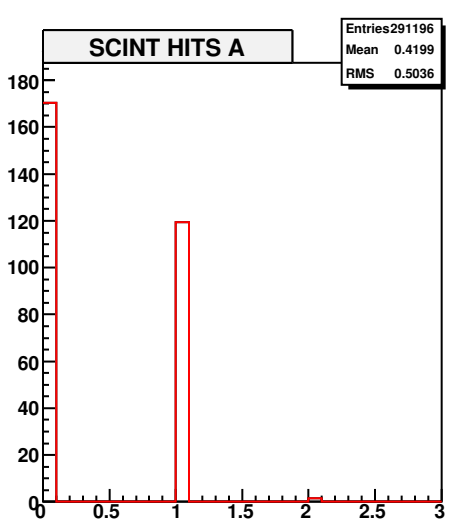


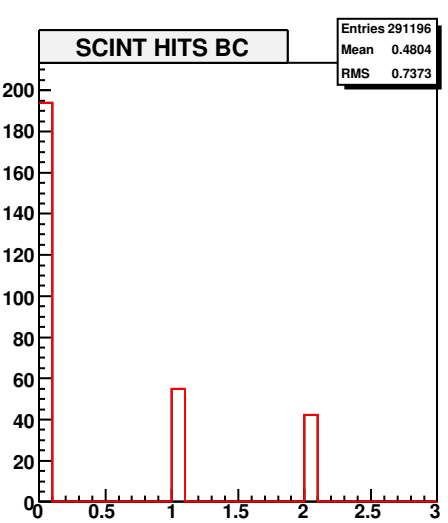




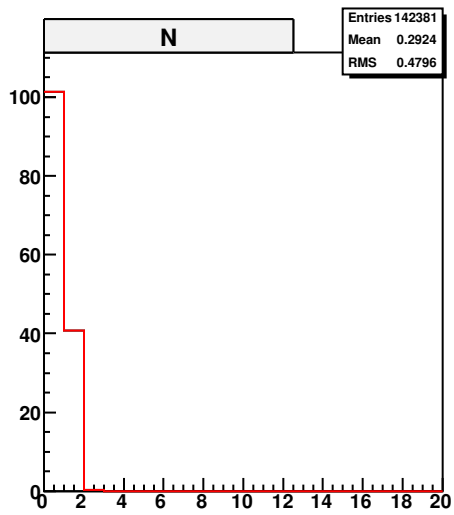


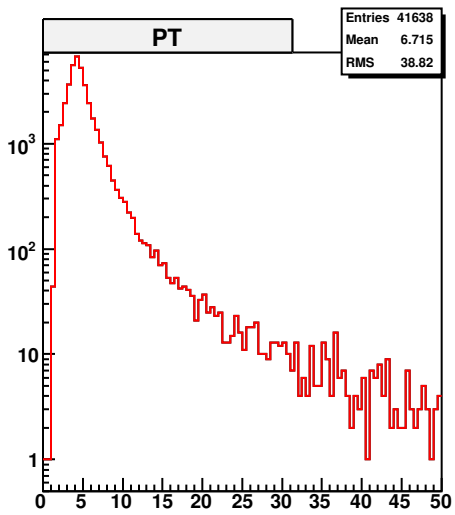


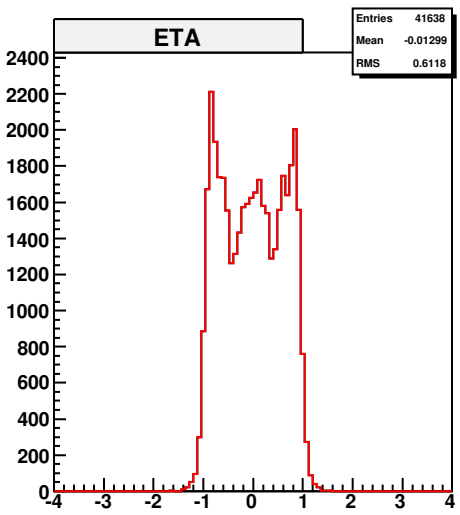


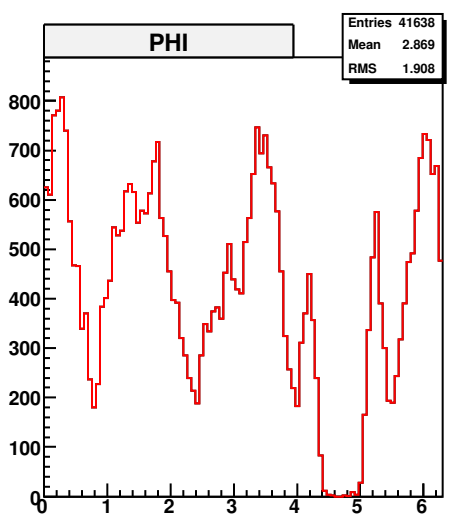


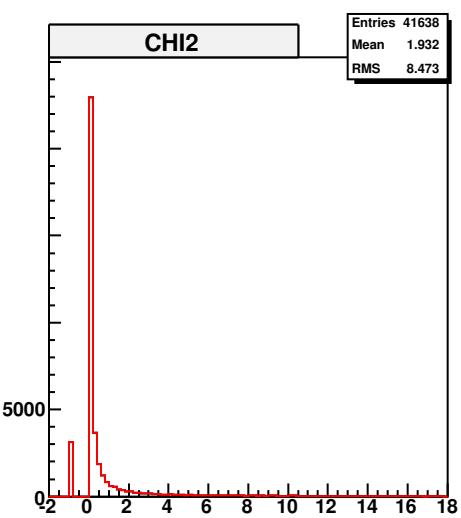
Muon Local Tracks (All)

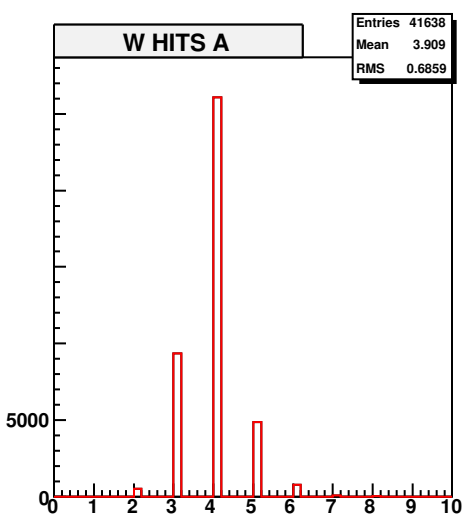


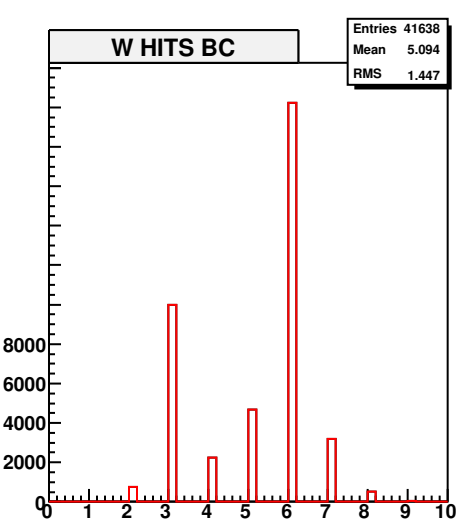


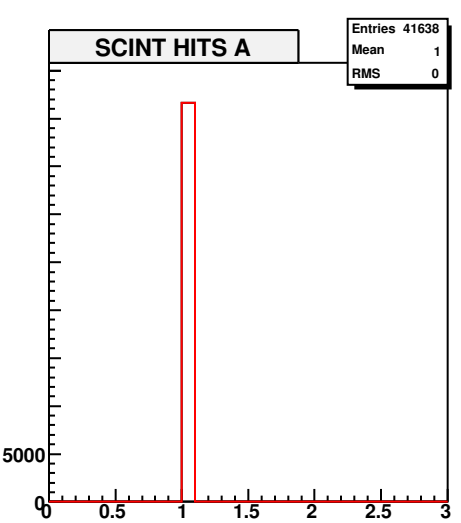


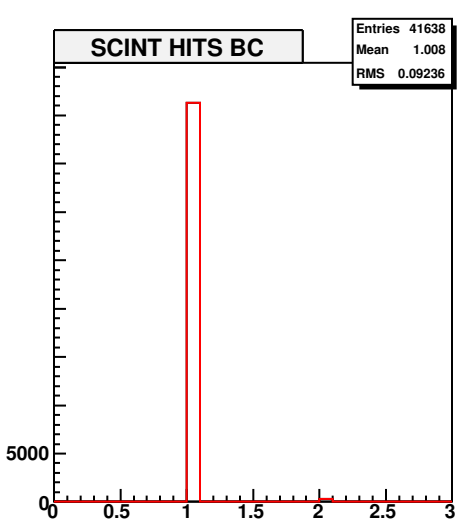




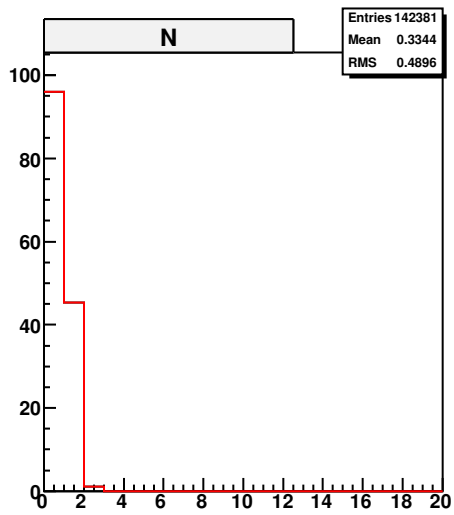


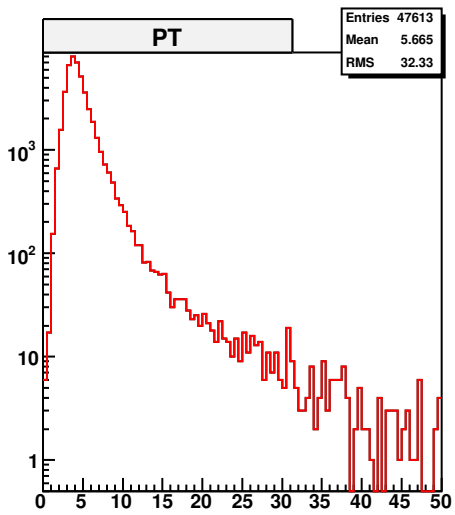


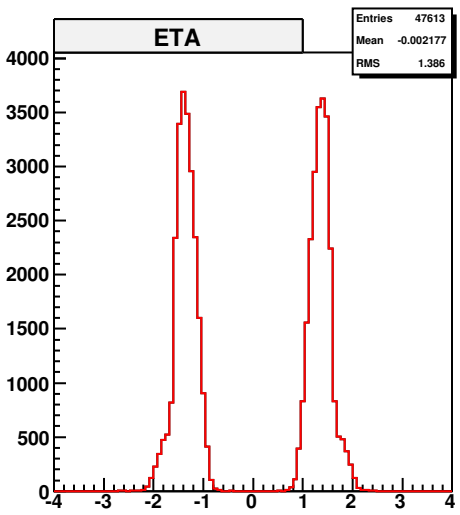


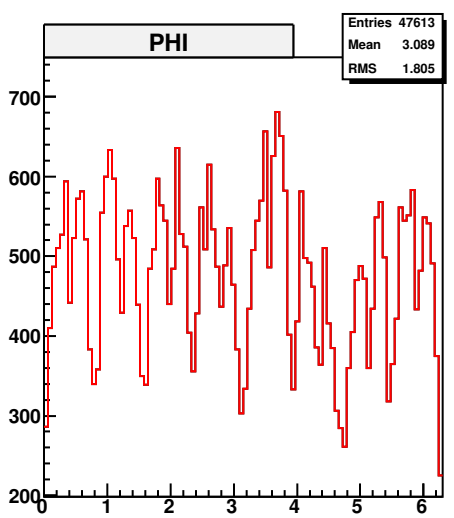


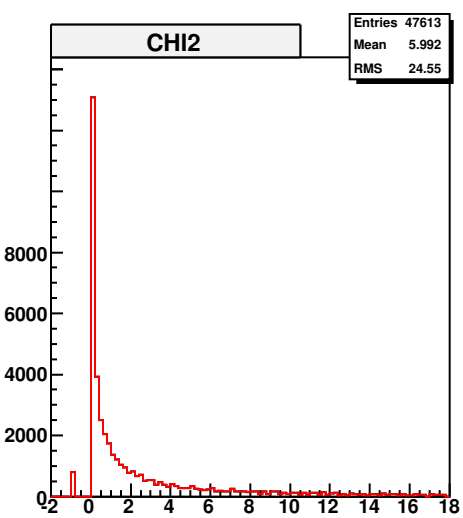
Muon Local Tracks (MediumWamus)

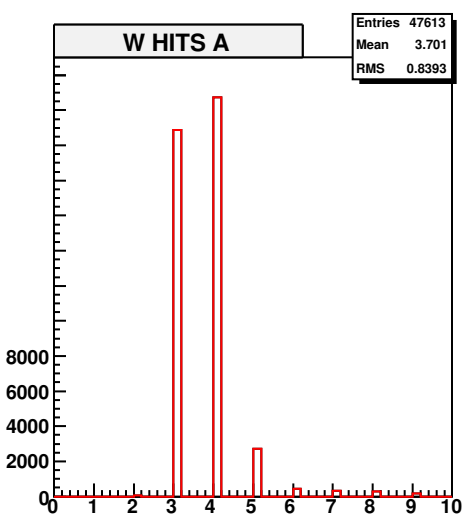


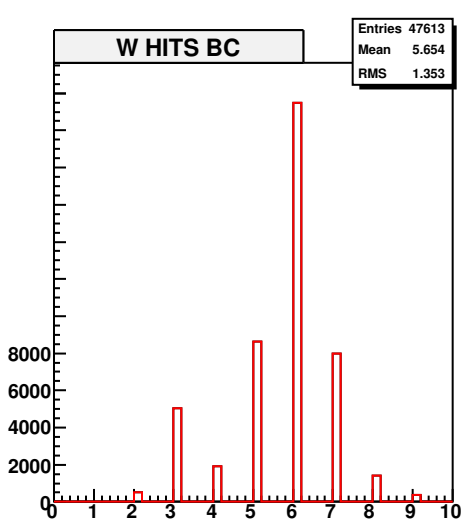


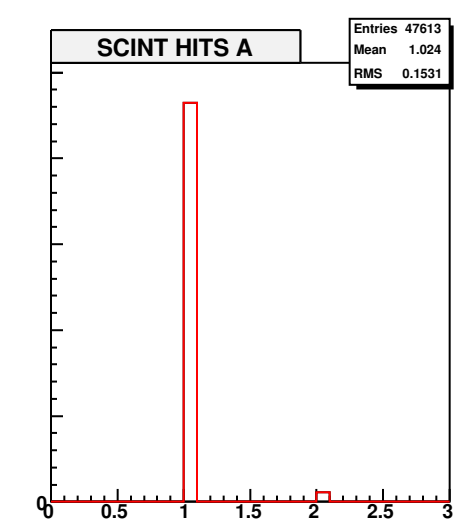


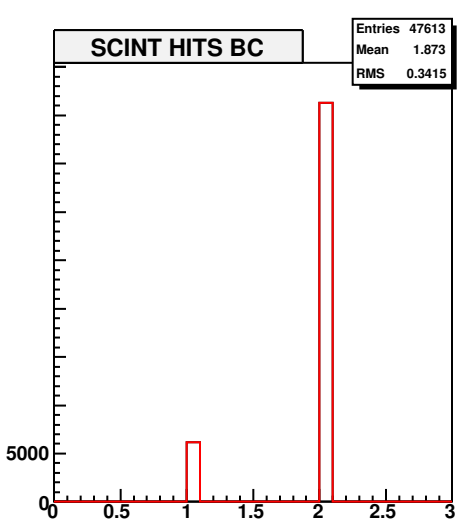




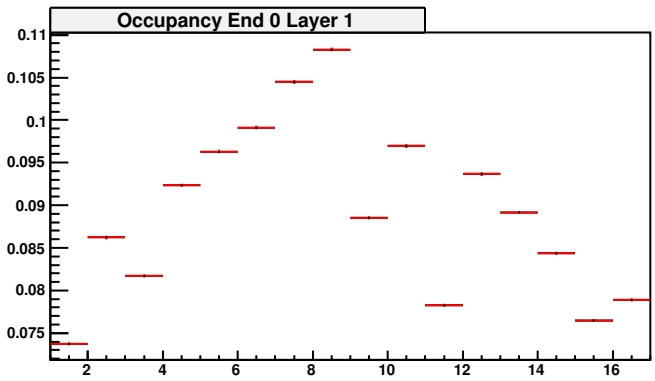


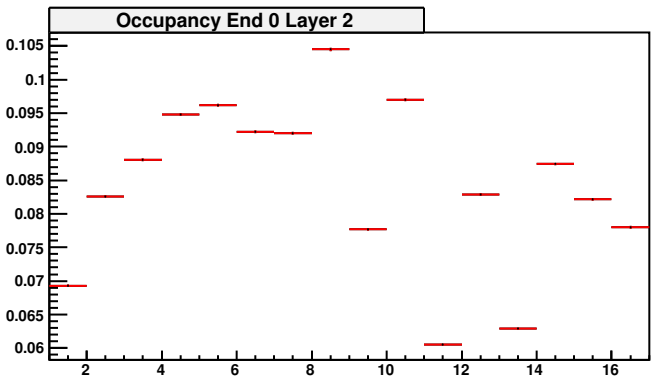


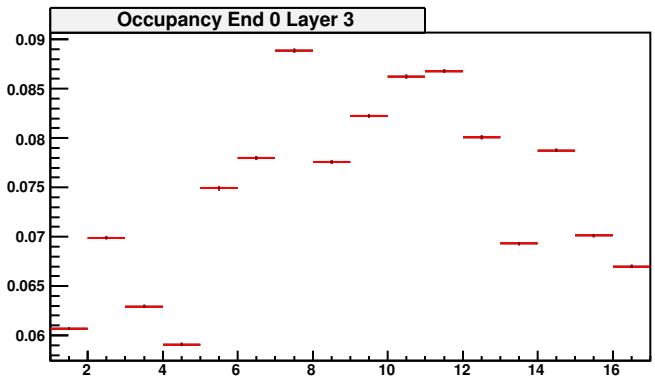


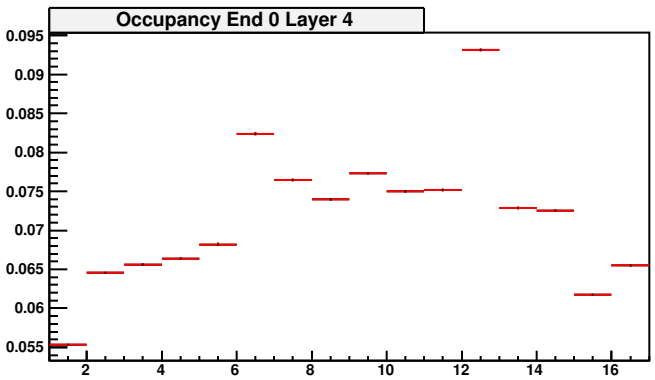


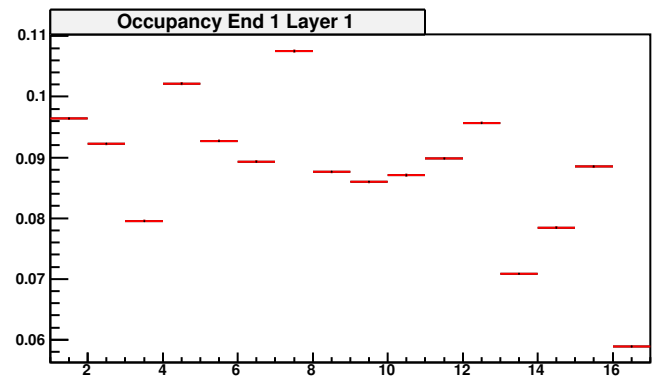
Muon Local Tracks (MediumFamus)

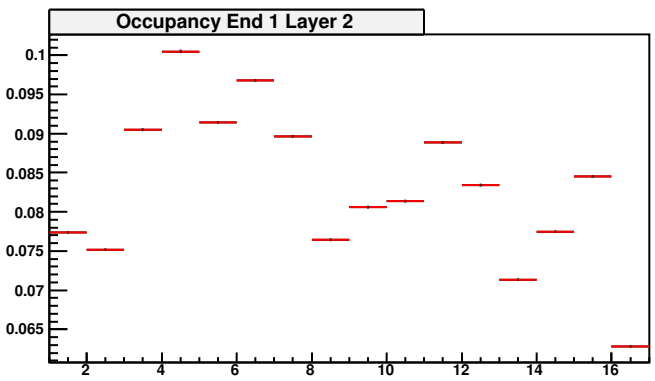


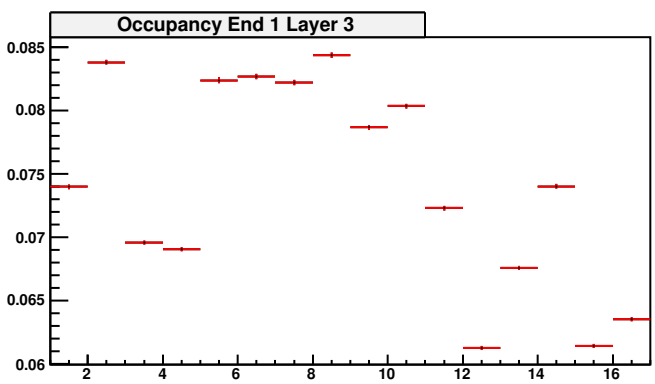


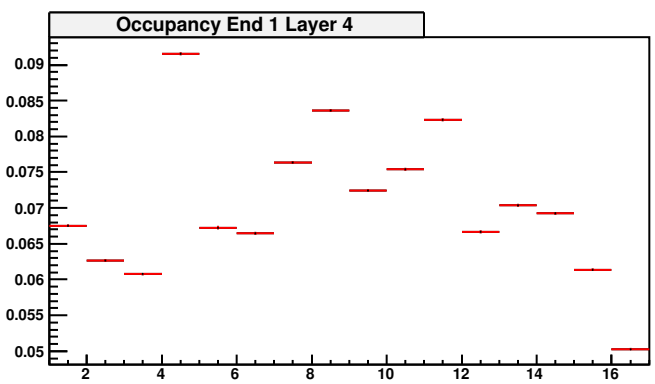




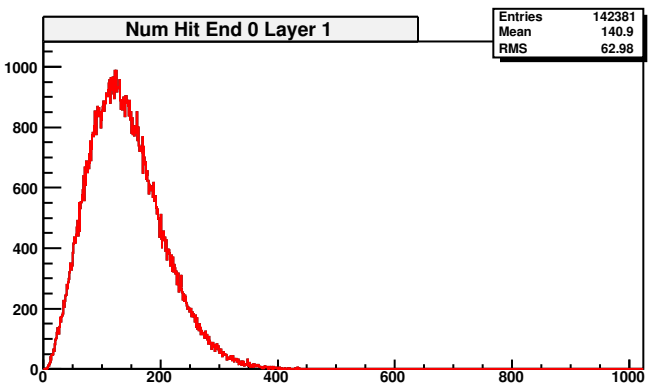


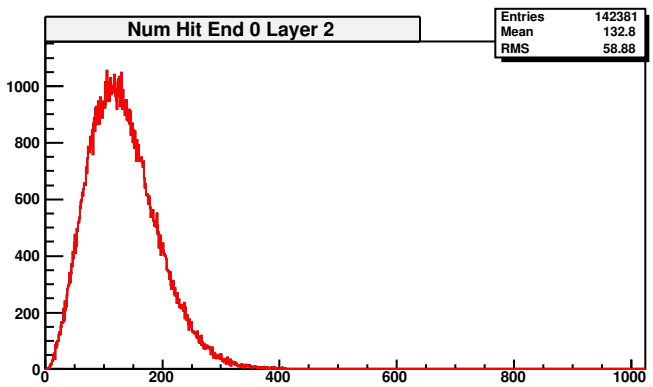


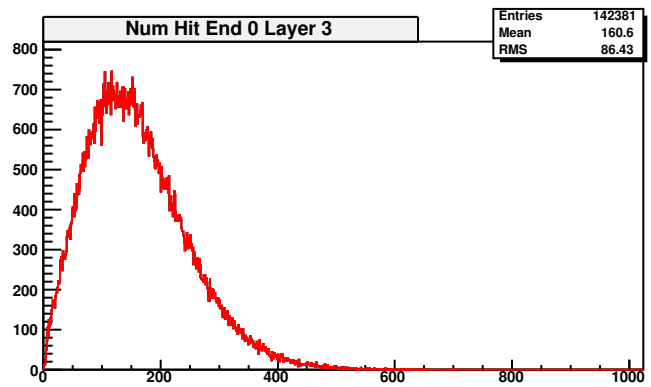


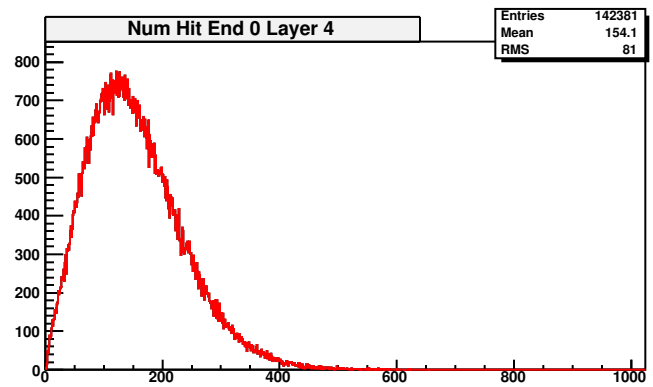


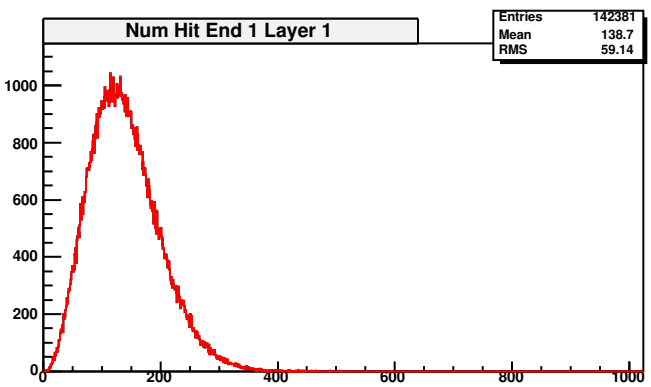
FPS Hit Occupancy (All)

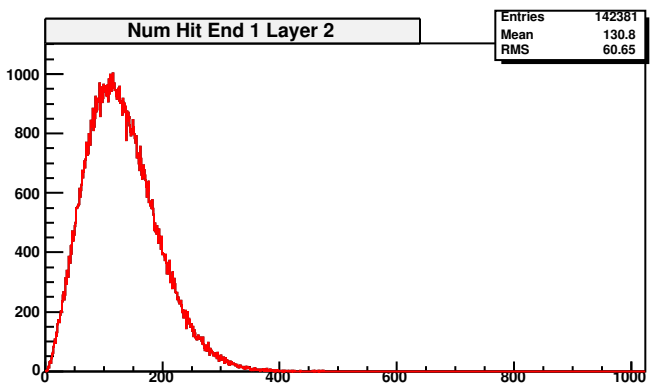


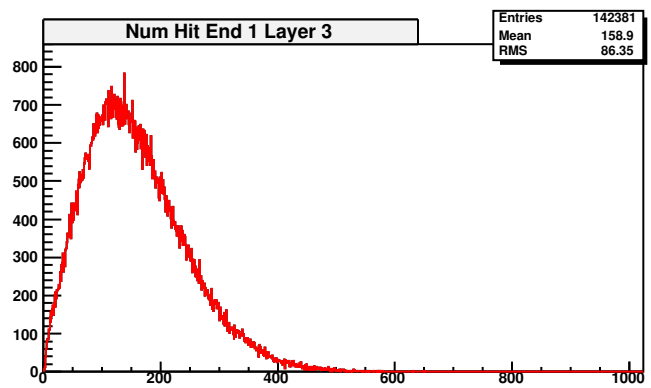


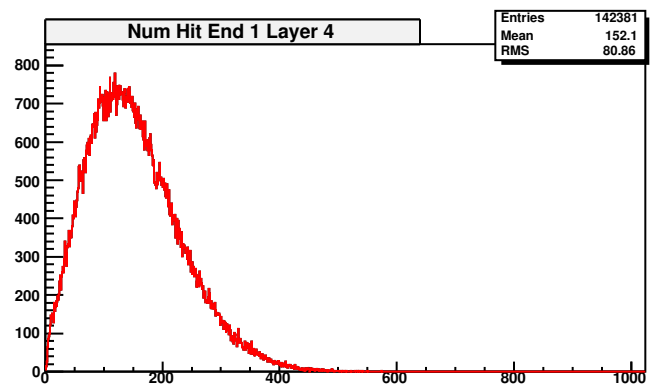




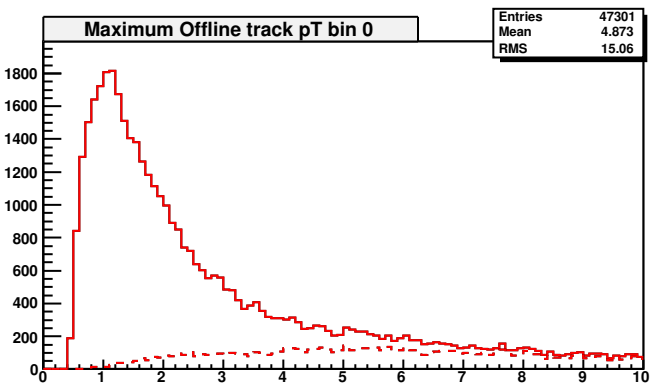


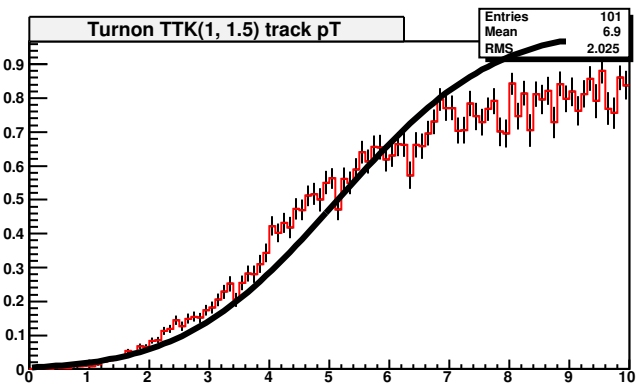


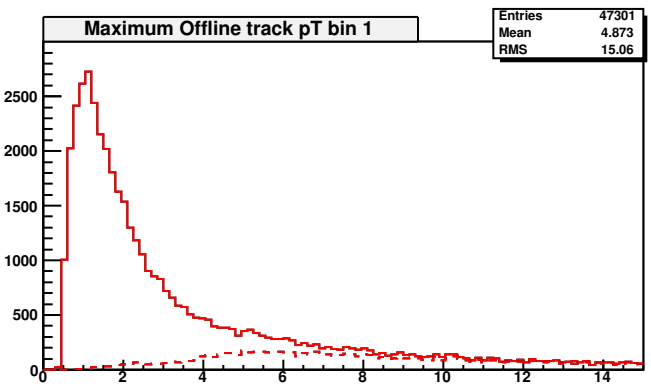


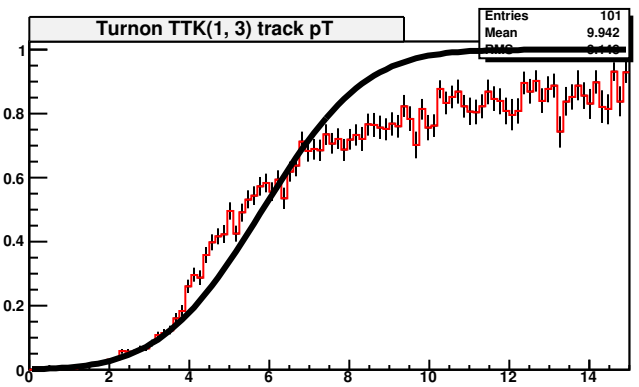


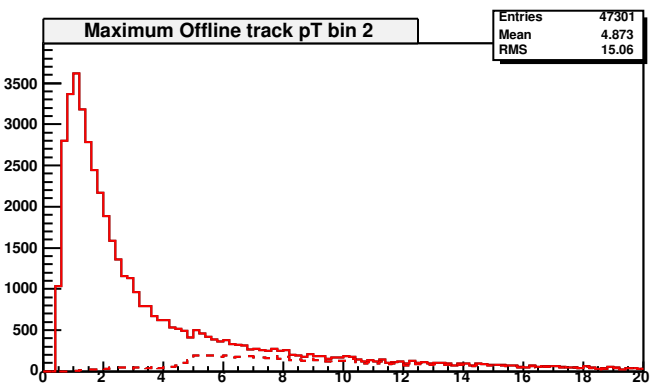
FPS Number of Hits (All)

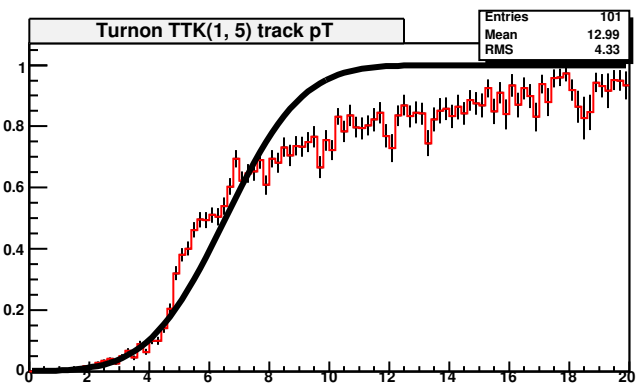


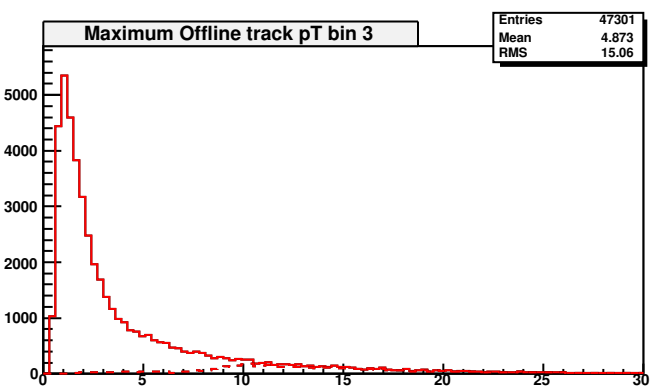


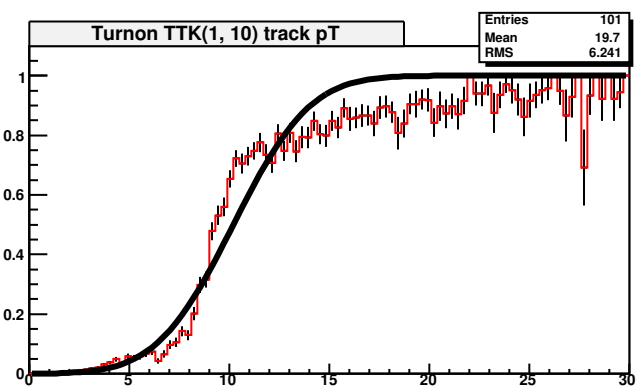




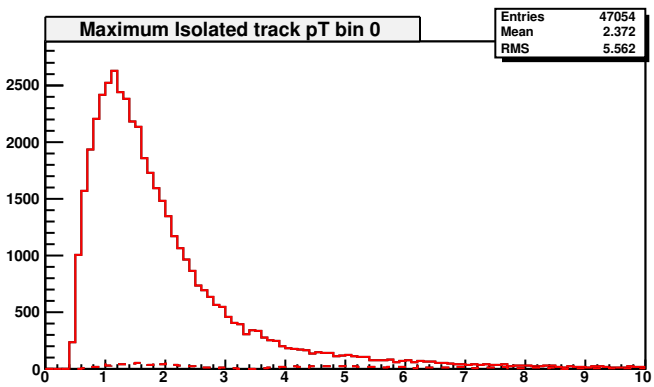


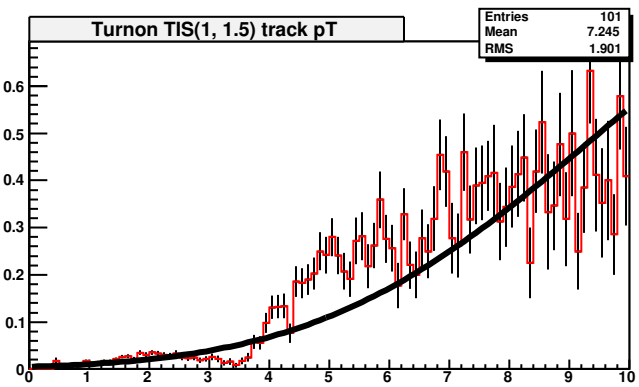


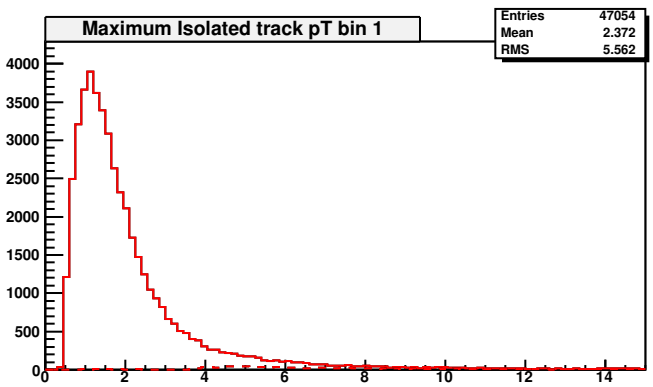


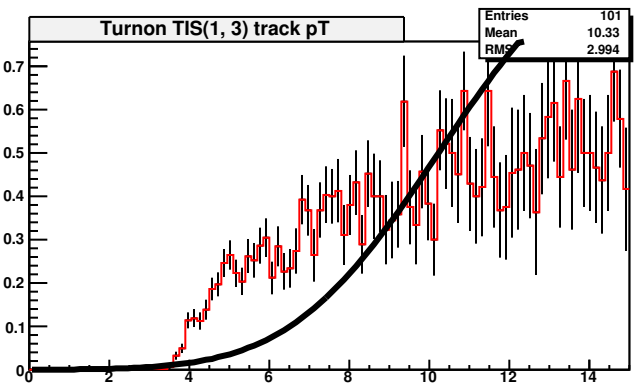


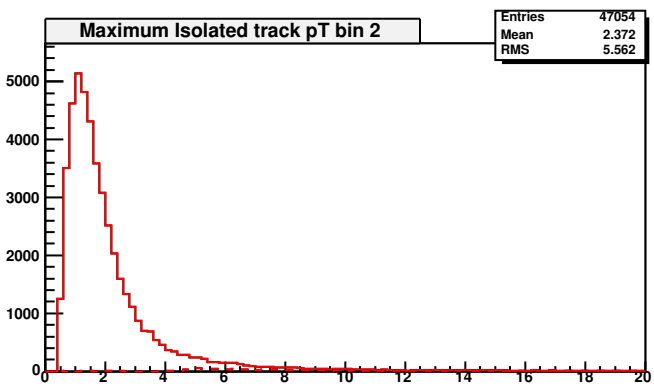
TTK Turnon curves (L1CTT All)

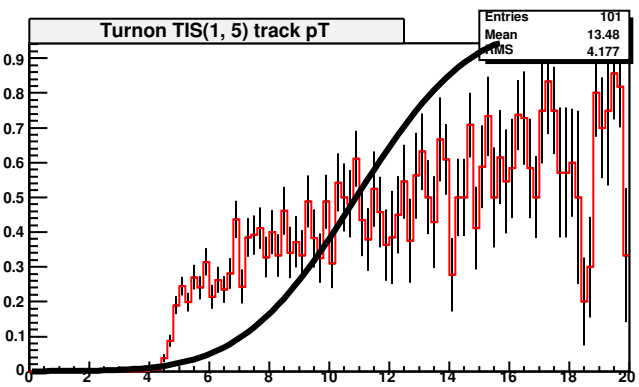


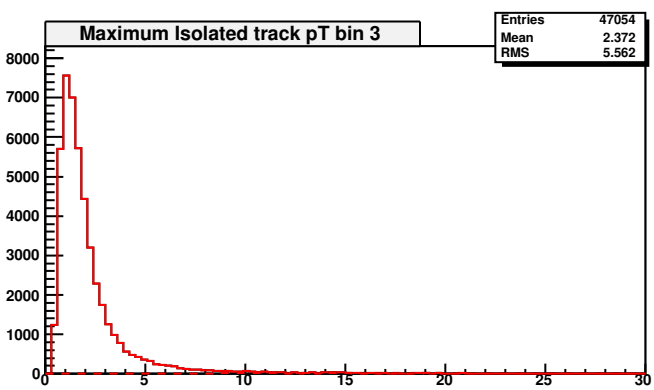


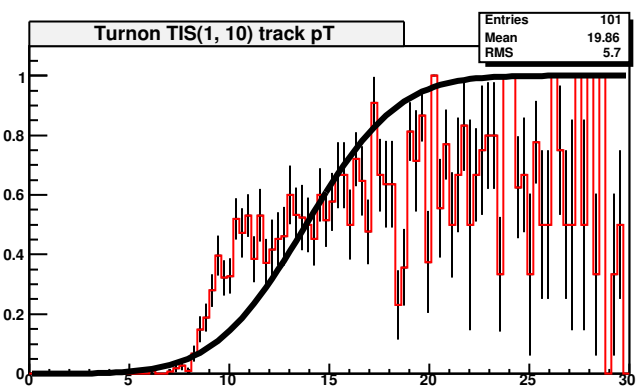




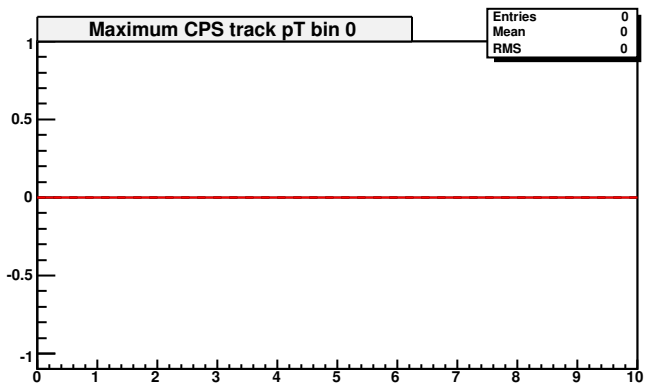


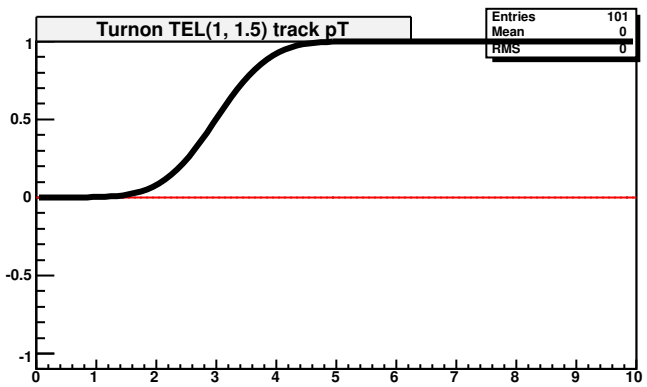


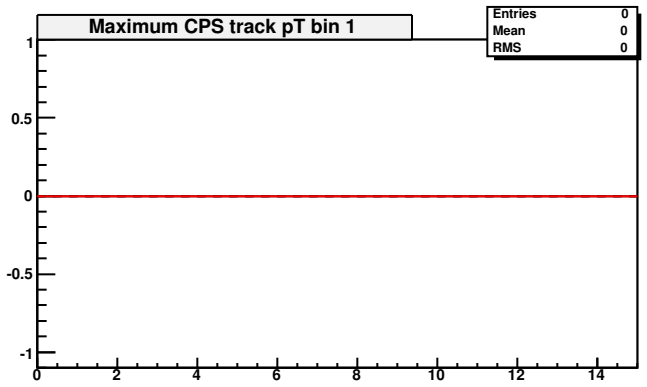


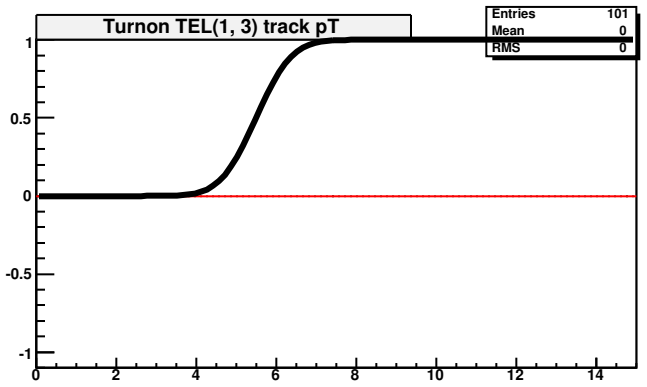


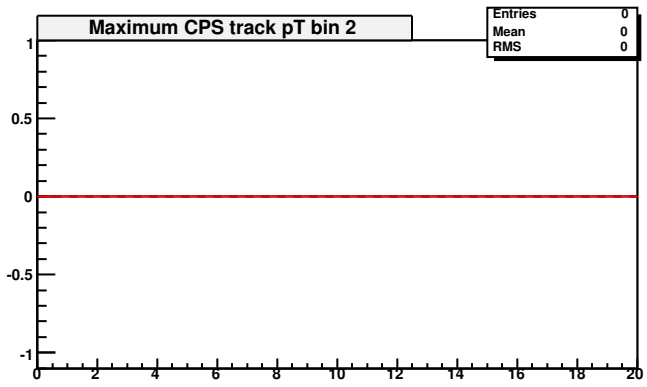
TIS Turnon curves (L1CTT All)

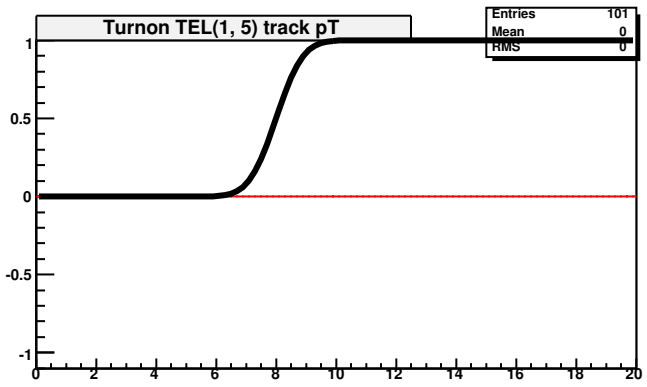


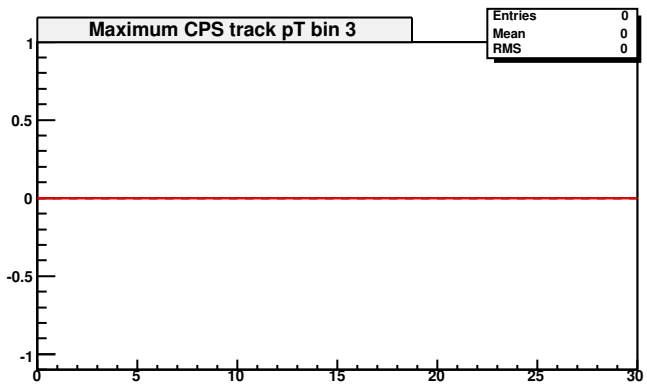


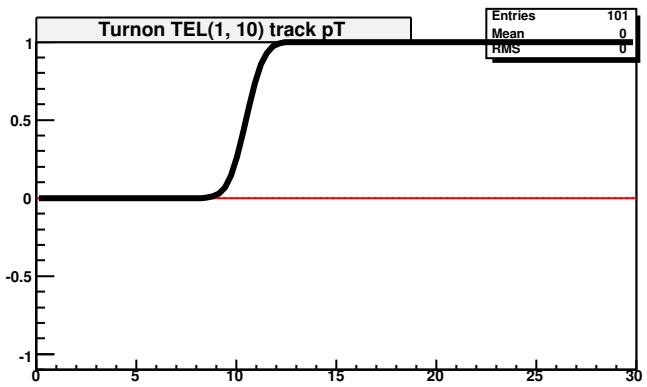




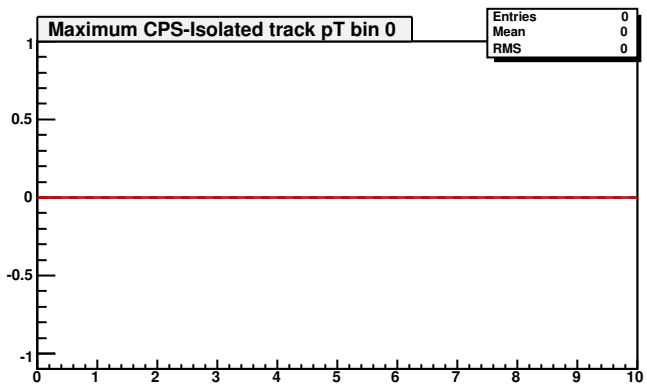


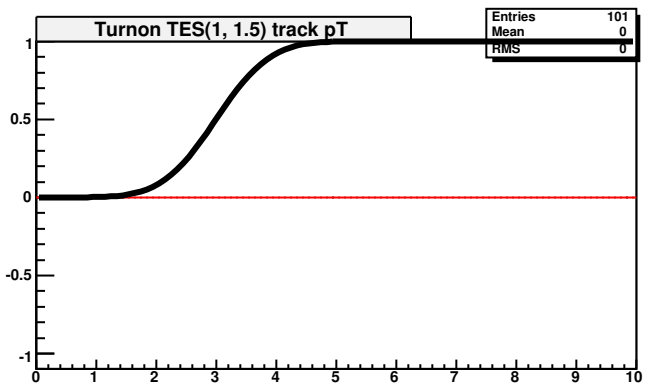


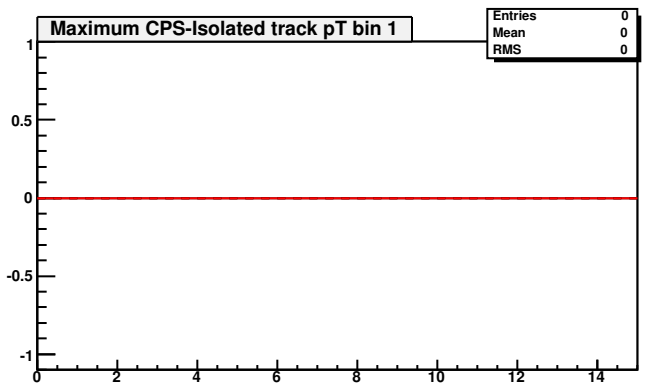


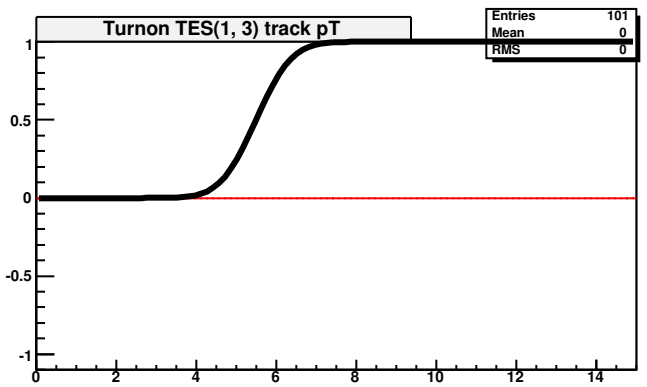


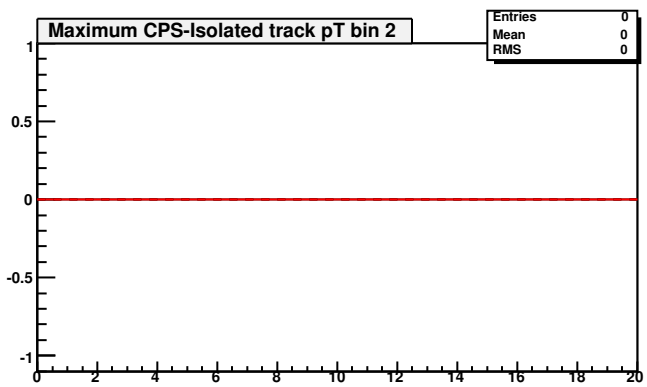
TEL Turnon curves (L1CTT All)

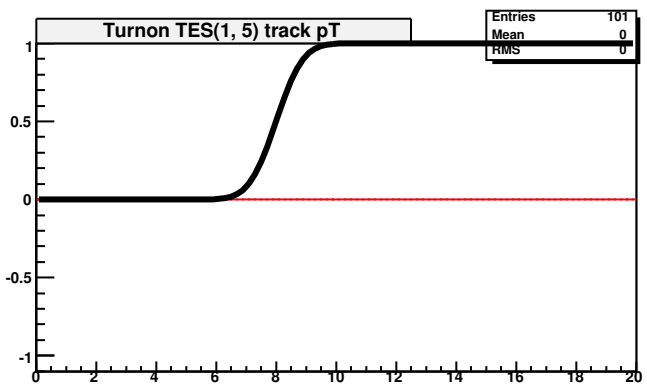


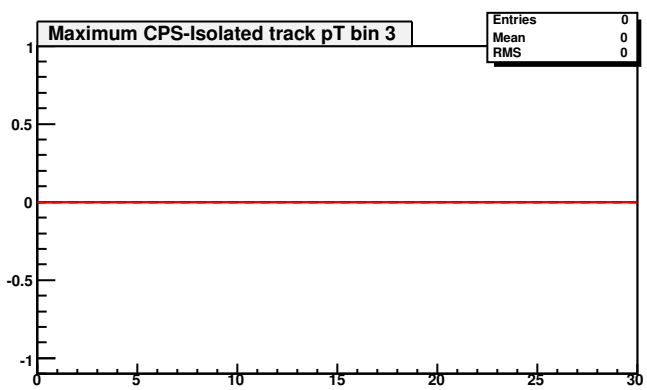


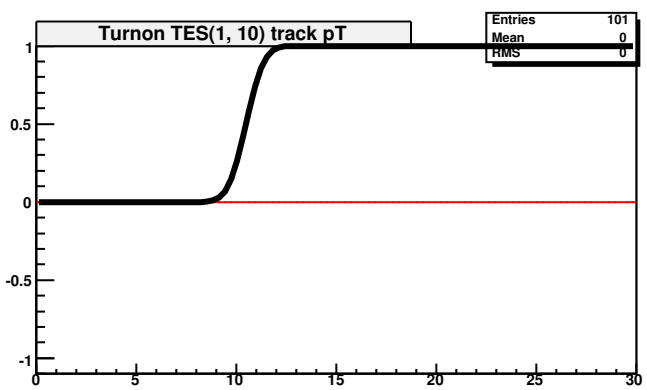




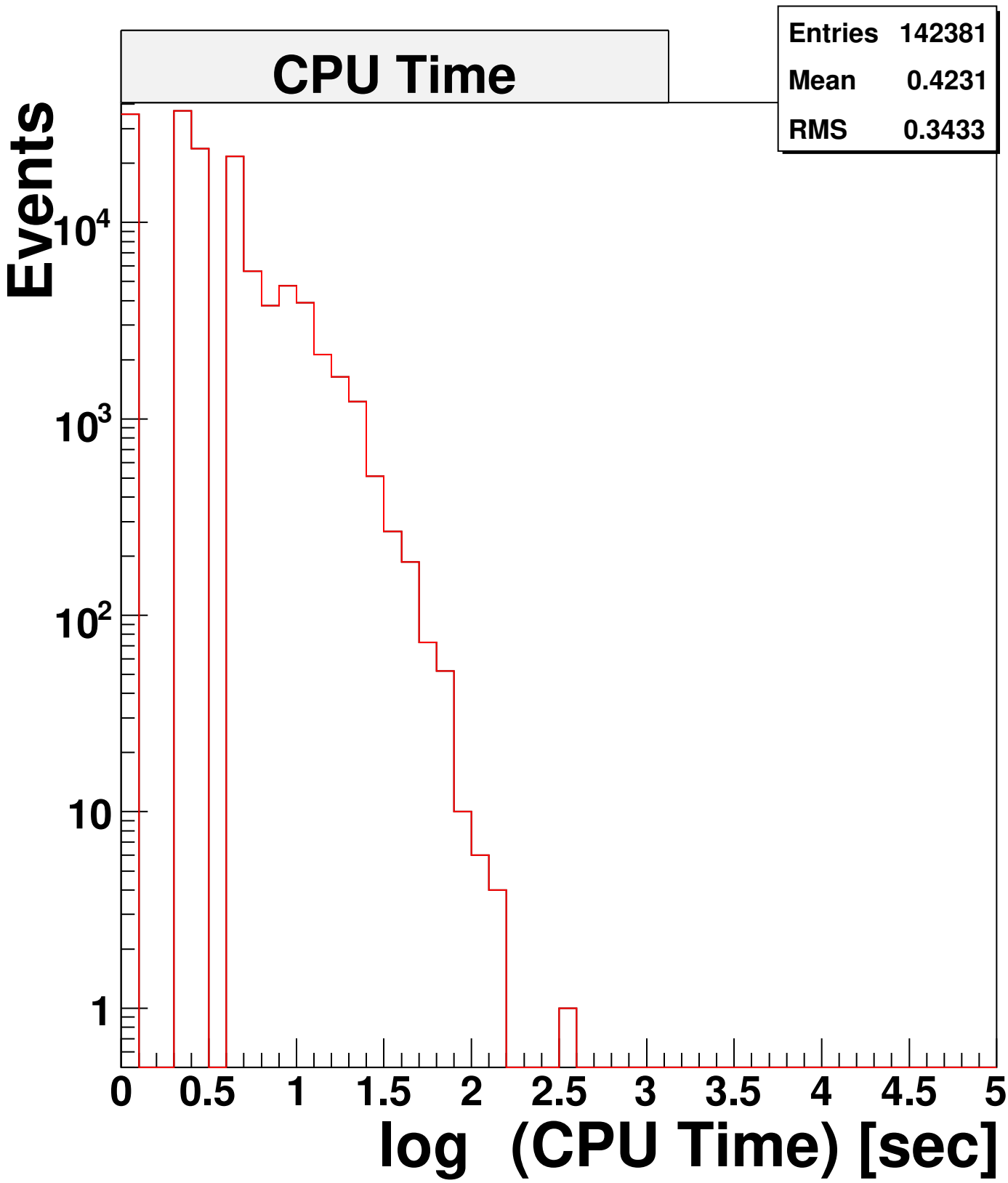








TES Turnon curves (L1CTT All)



RECO Performance (Timing)