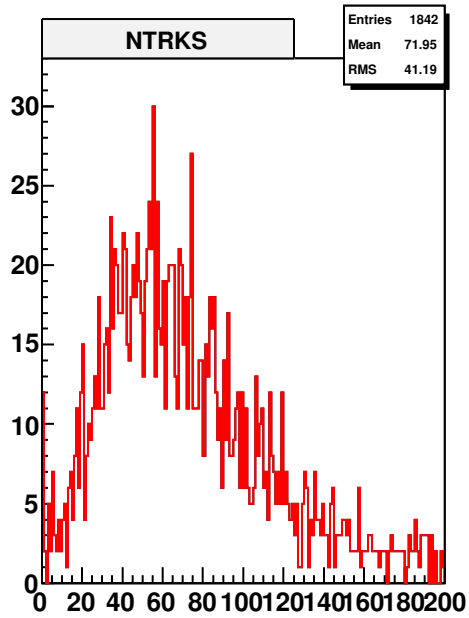
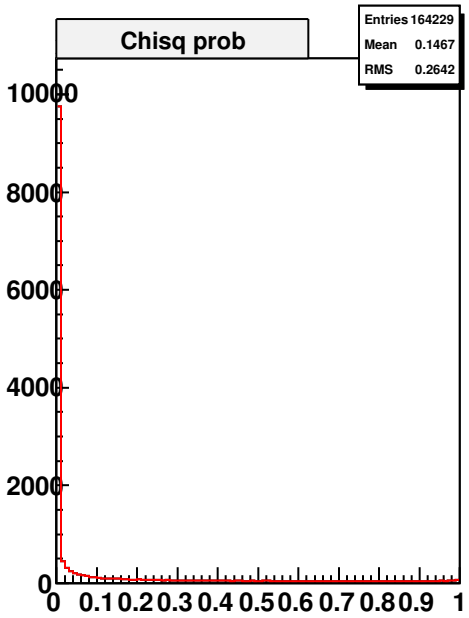
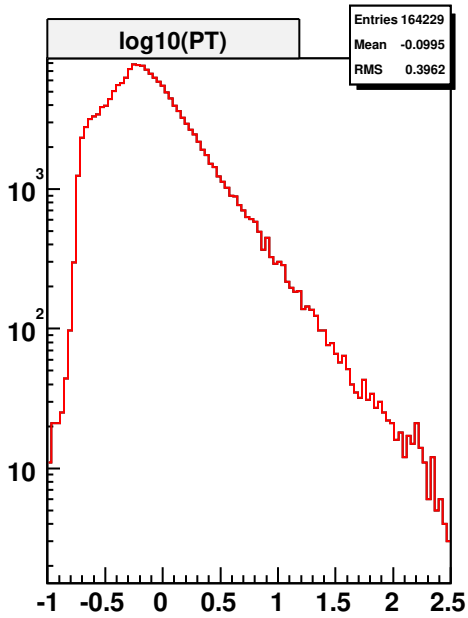
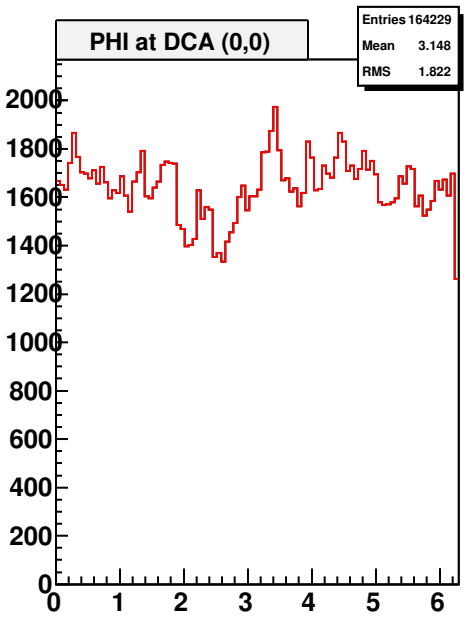
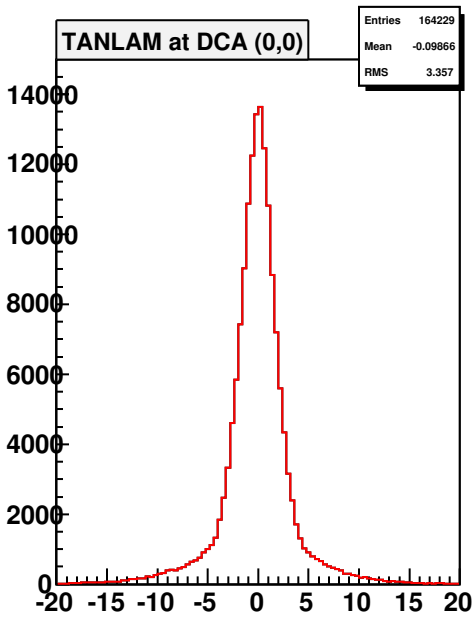
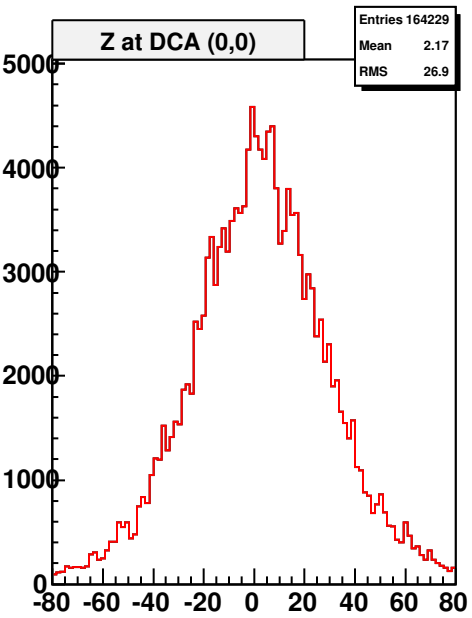

NTRKS
Entries 1842
Mean 71.95
RMS 41.19

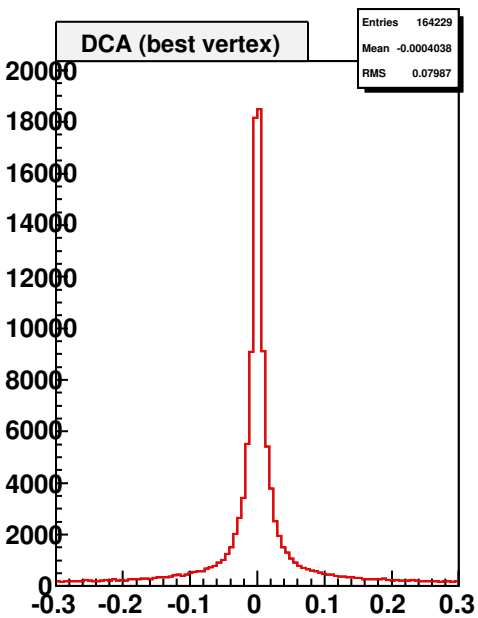

Chisq prob
Entries 164229
Mean 0.1467
RMS 0.2642

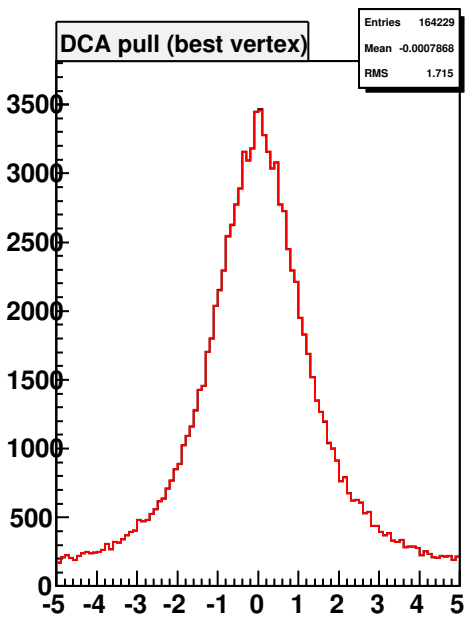

log10(PT)
Entries 164229
Mean -0.0995
RMS 0.3962


PHI at DCA (0,0)
Entries 164229
Mean 3.148
RMS 1.822

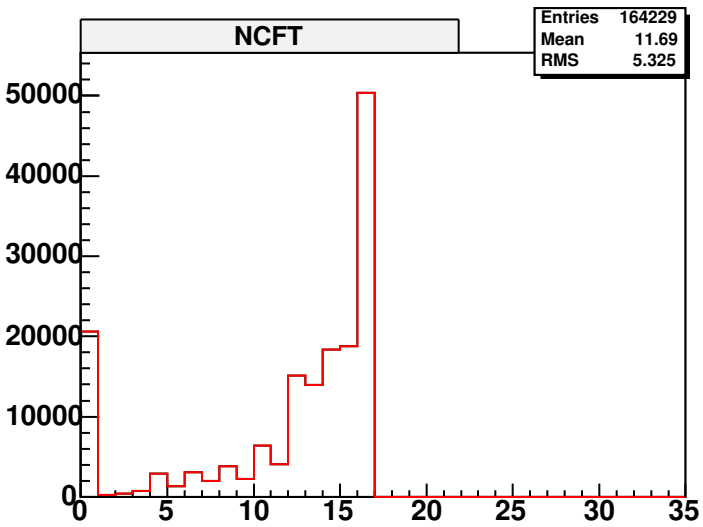

TANLAM at DCA (0,0)
Entries 164229
Mean -0.09866
RMS 3.357

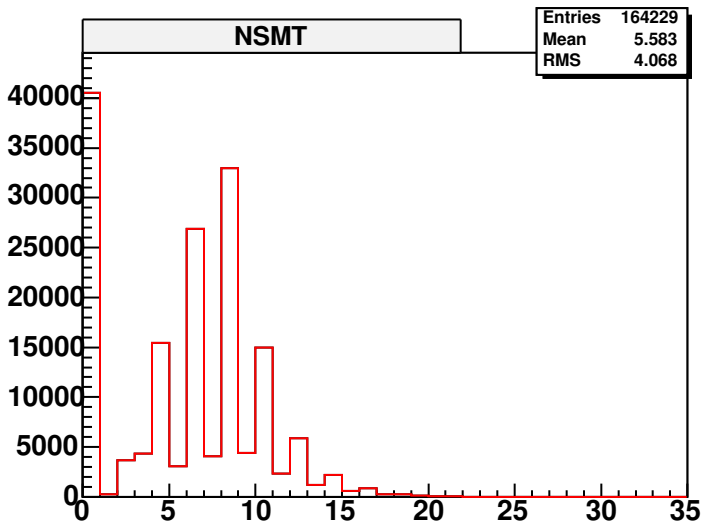

Z at DCA (0,0)
Entries 164229
Mean 2.17
RMS 26.9

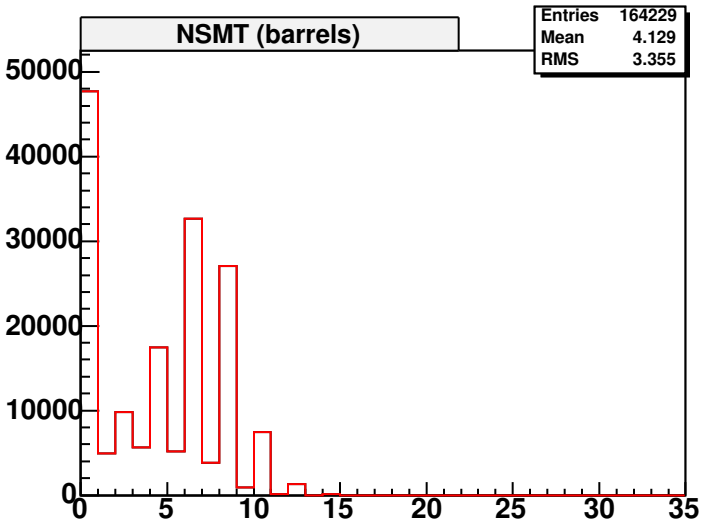

DCA (best vertex)
Entries 164229
Mean -0.0004038
RMS 0.07987

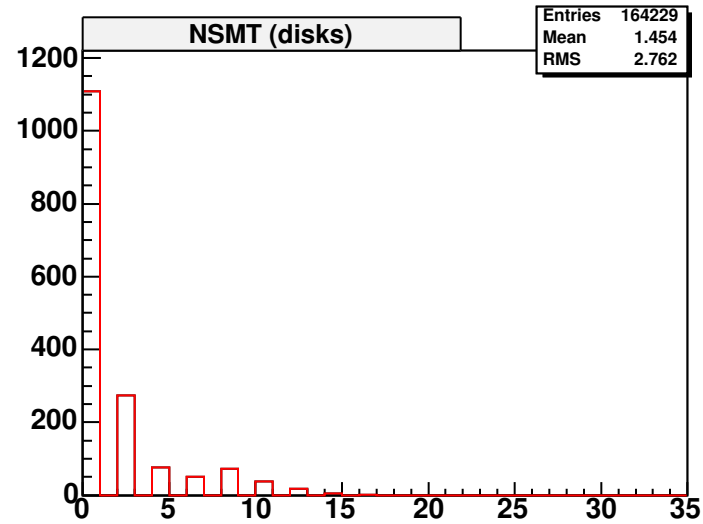

DCA pull (best vertex)
Entries 164229
Mean -0.0007868
RMS 1.715

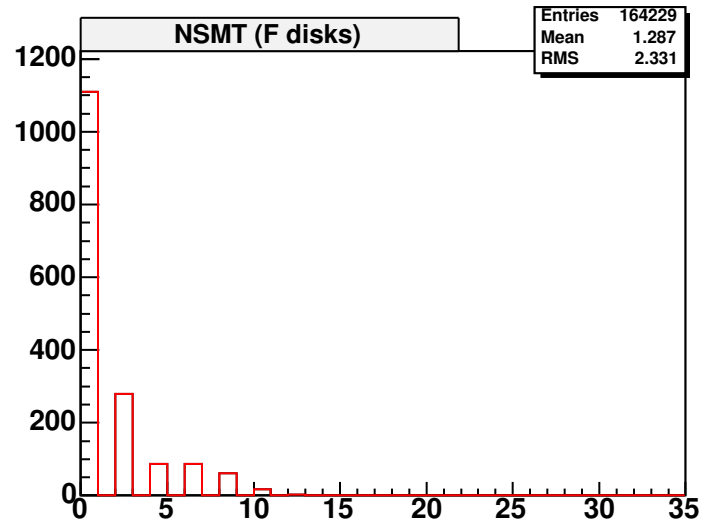
Tracks (All)

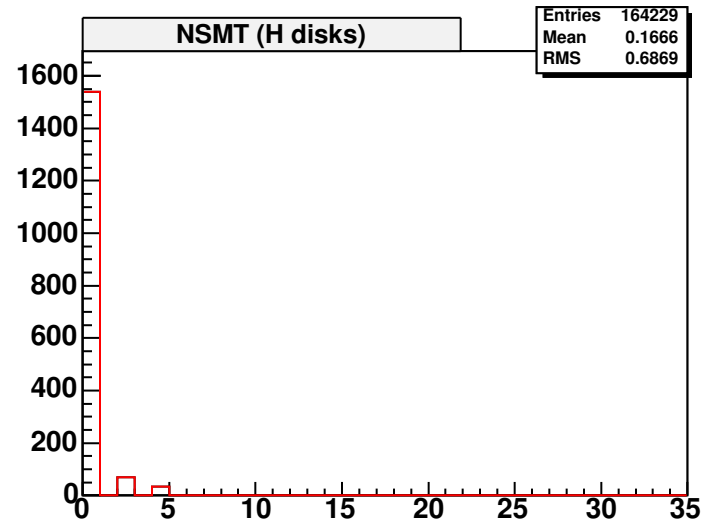




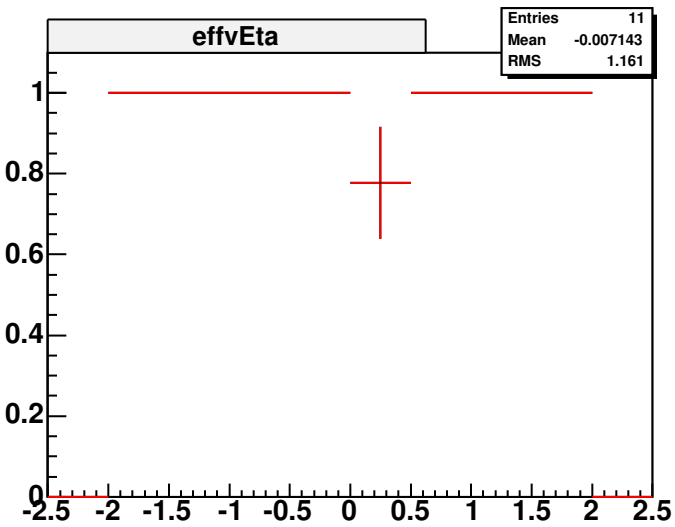


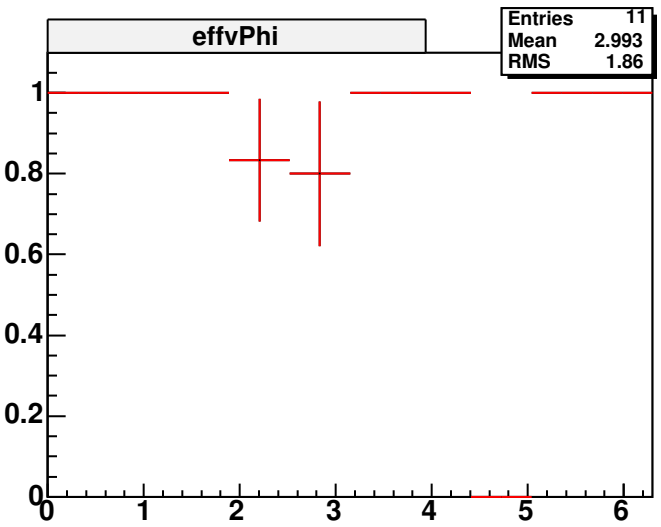


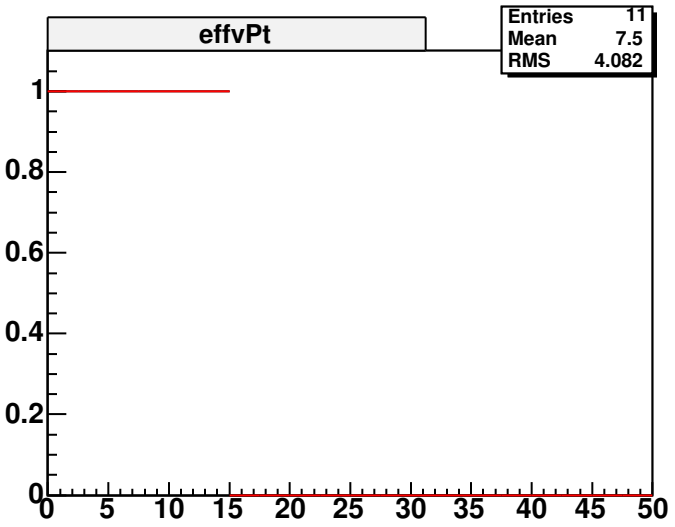


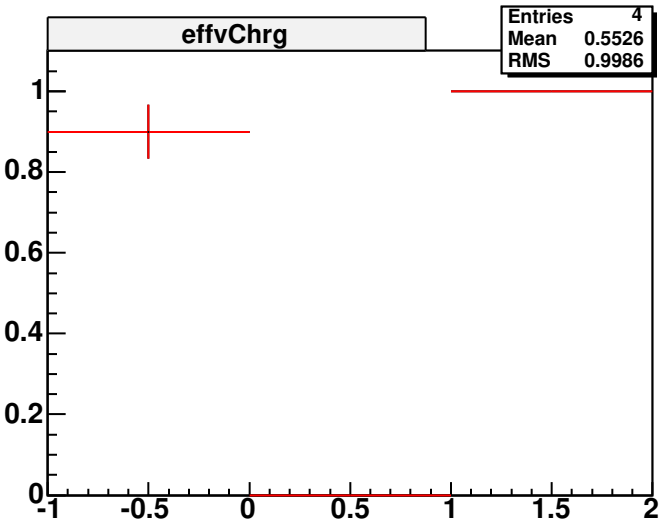


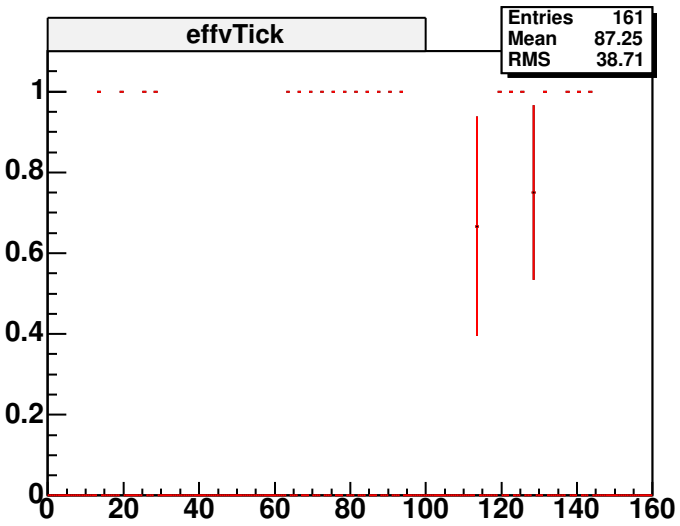
Track Hits (All)

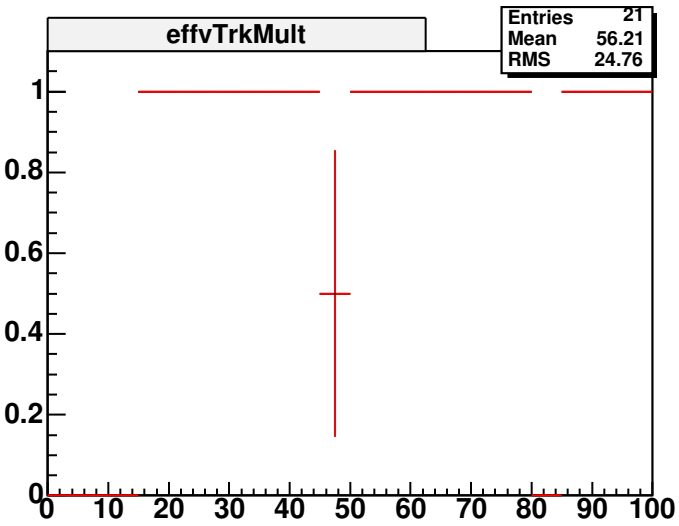




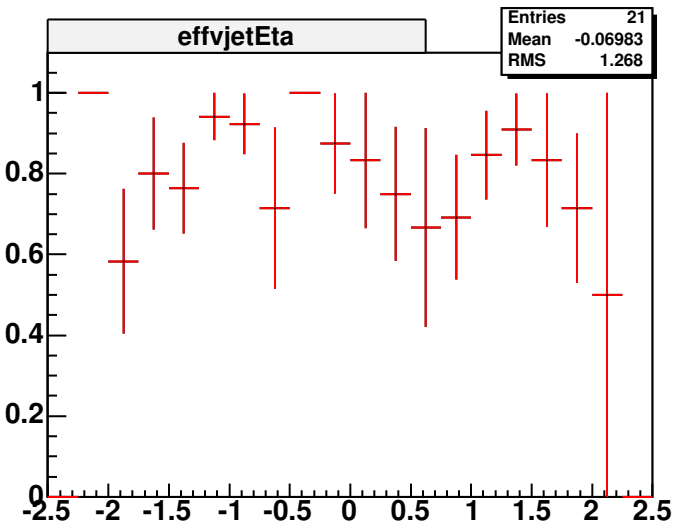


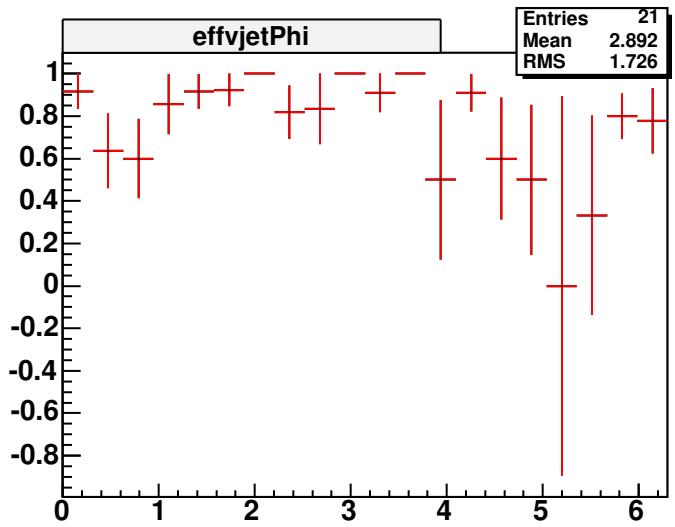


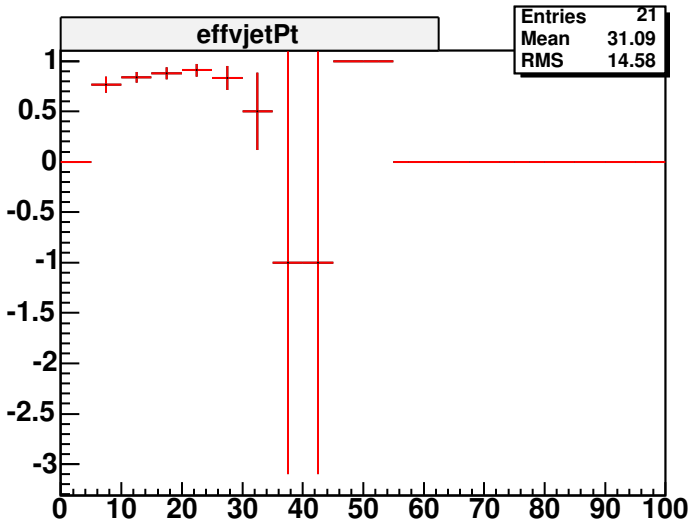




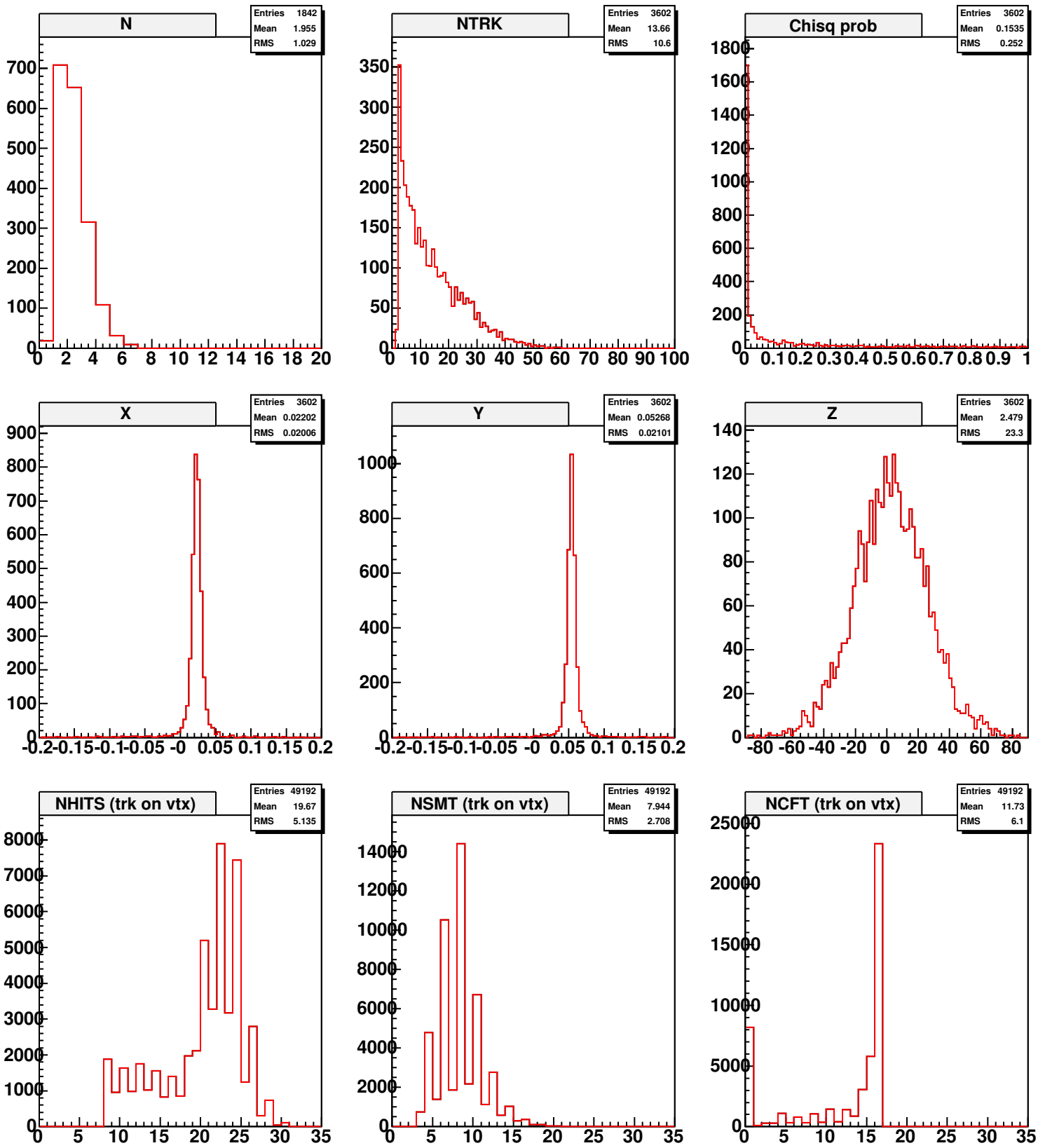
Tracking (Efficiency-Isolated)



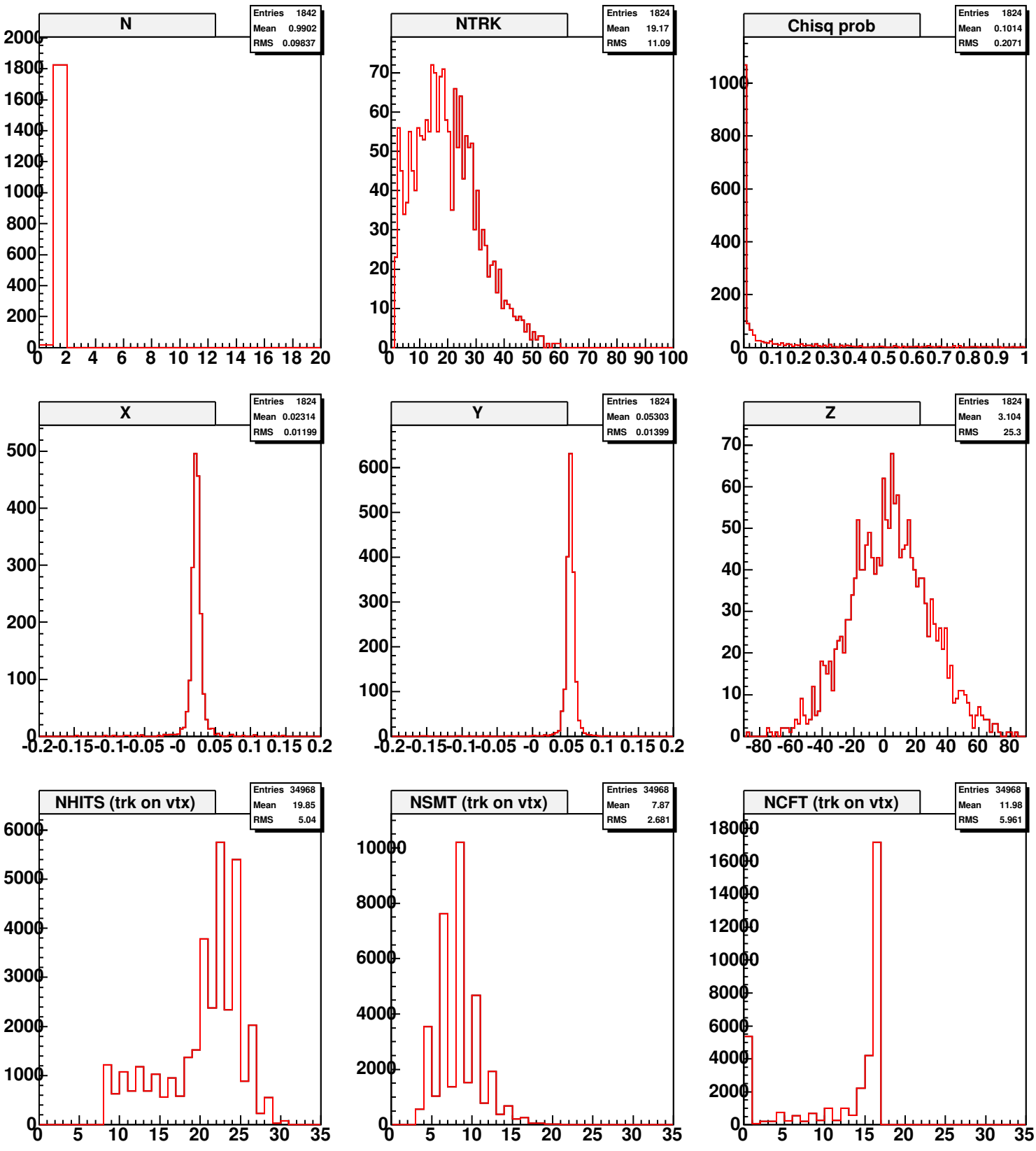




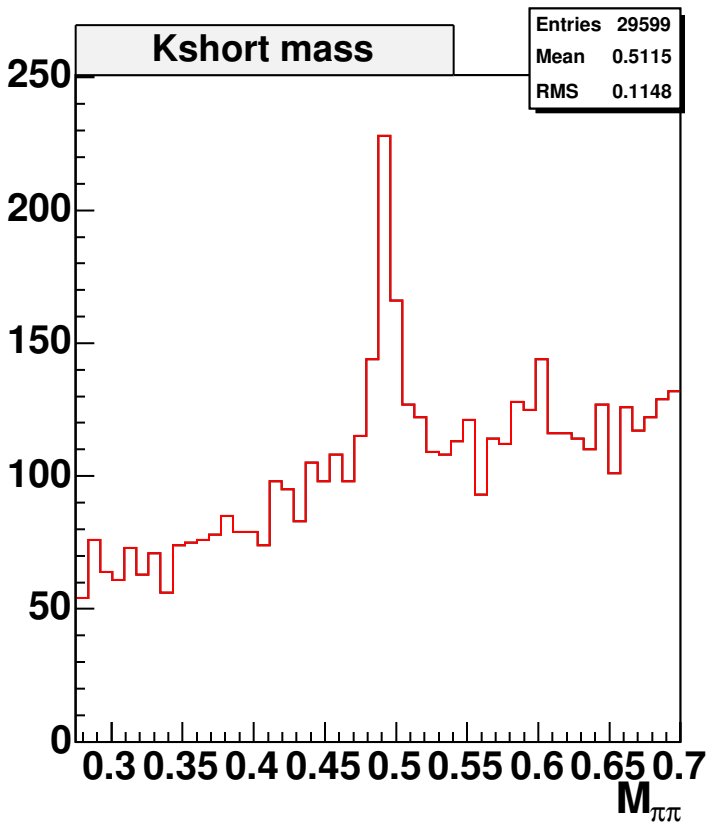
Tracking (Efficiency-InJets)

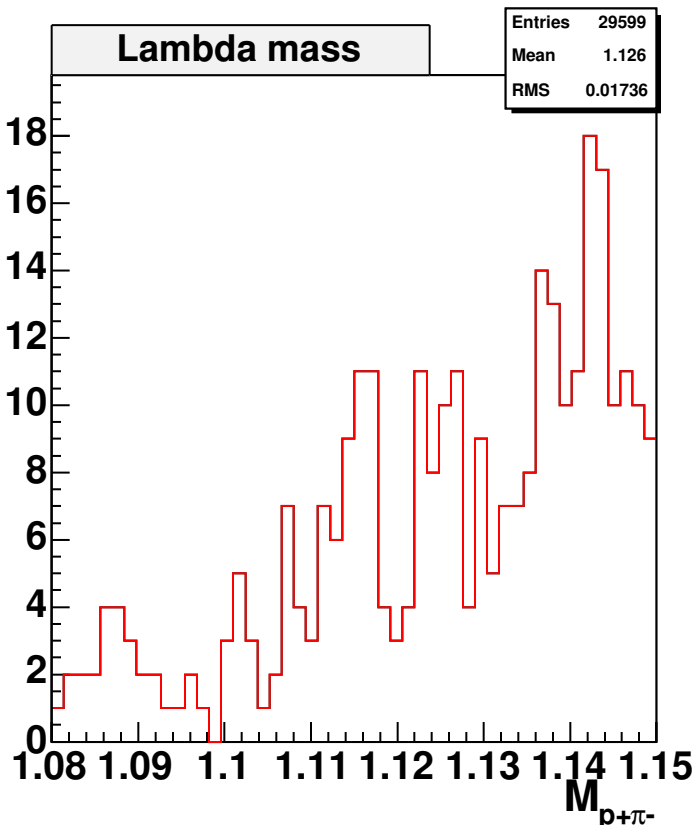


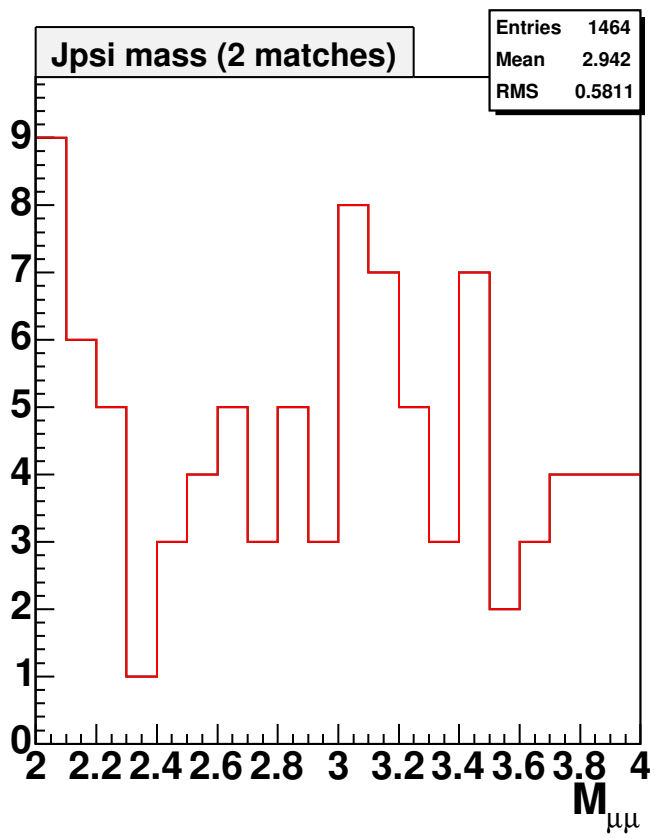
Vertices (Primary - all candidates)

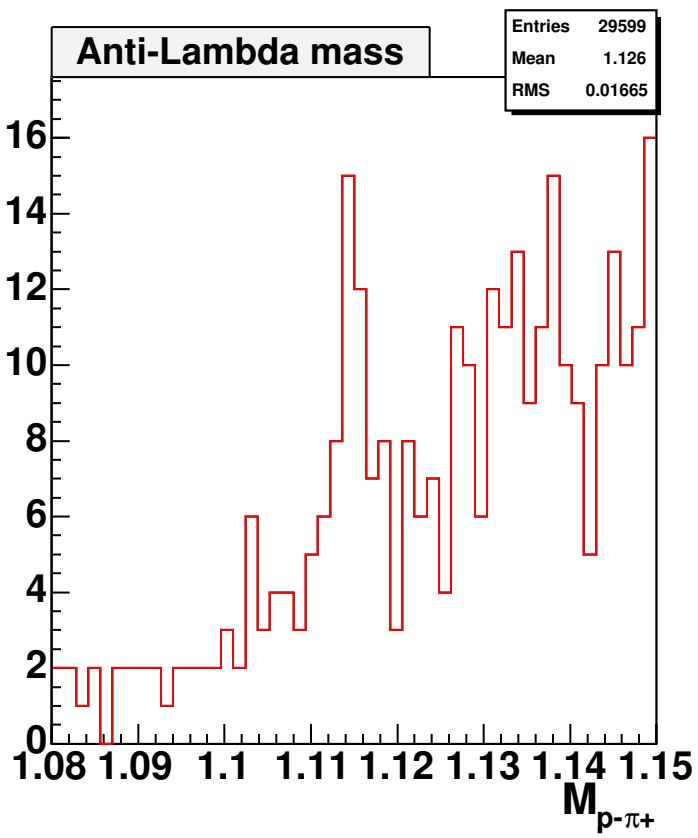


Vertices (Primary - best)

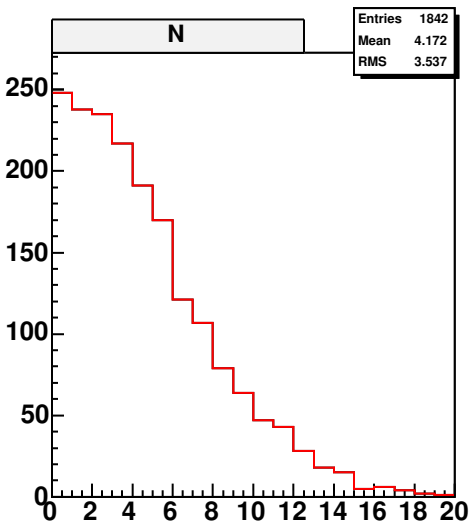

Kshort mass
Entries 29599
Mean 0.5115
RMS 0.1148
250
200
150
100
50
0
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
Mππ

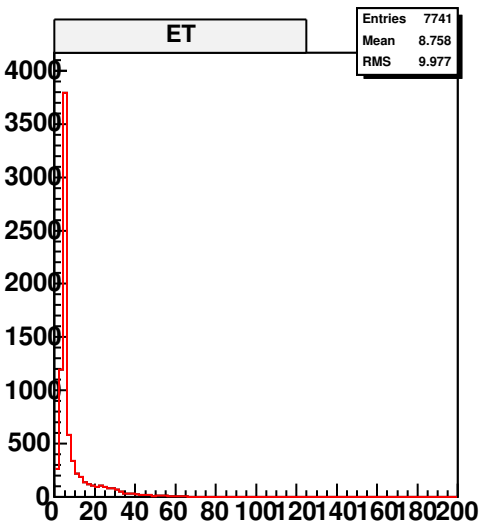

Lambda mass
Entries 29599
Mean 1.126
RMS 0.01736
18
16
14
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp+π-

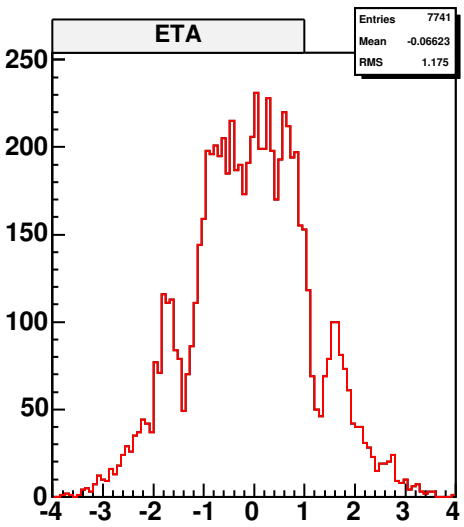

Jpsi mass (2 matches)
Entries 1464
Mean 2.942
RMS 0.5811
9
8
7
6
5
4
3
2
1
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
Mμμ

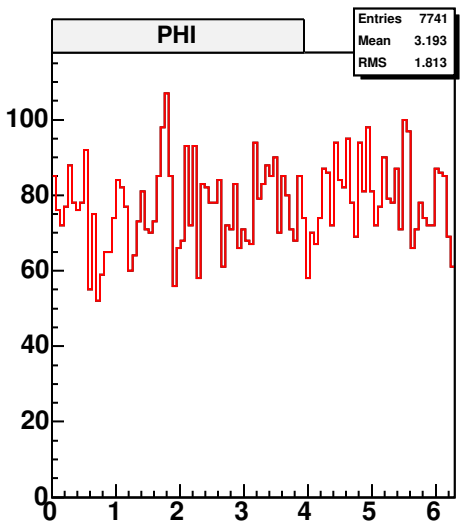

Anti-Lambda mass
Entries 29599
Mean 1.126
RMS 0.01665
16
14
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp-π+

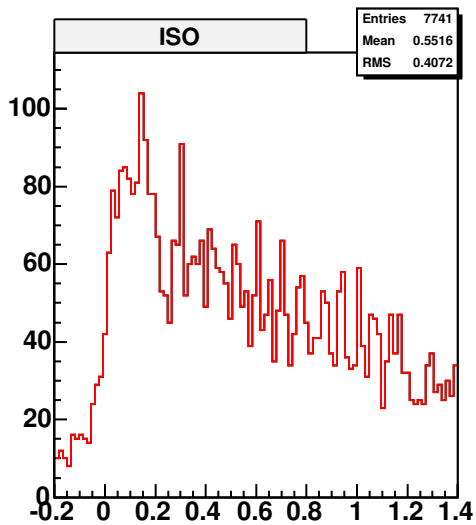
V0 (All)

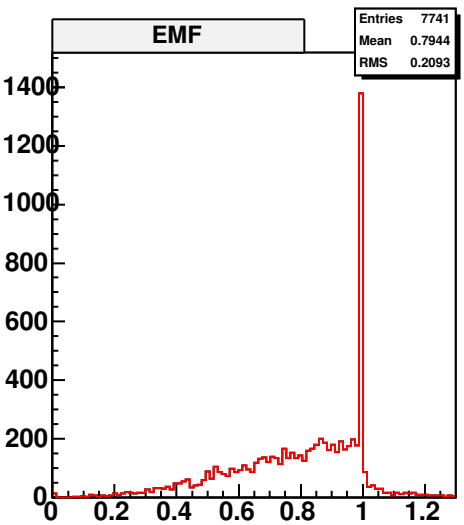


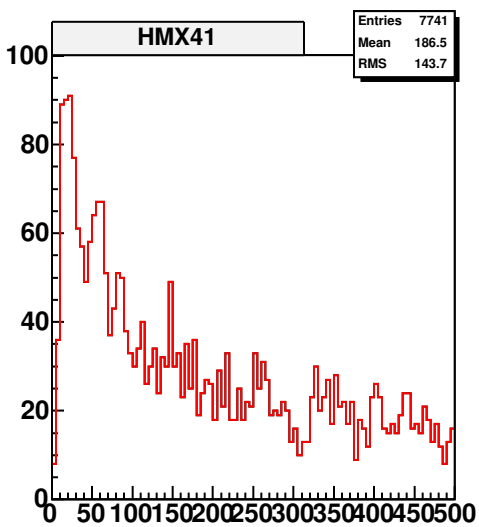


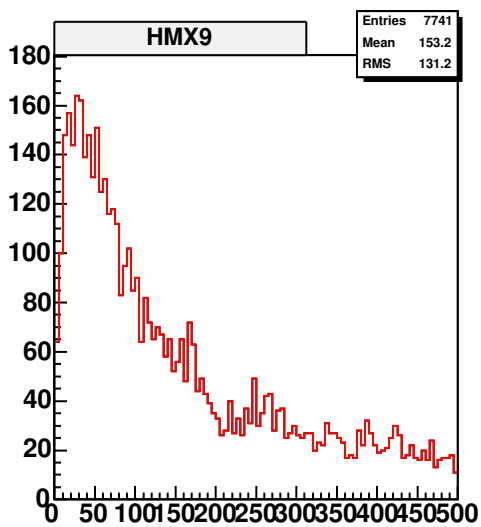


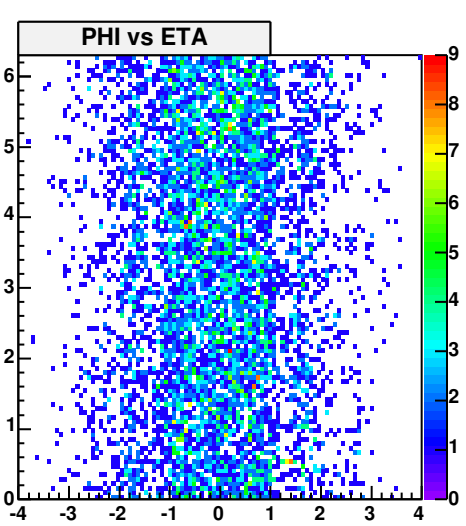




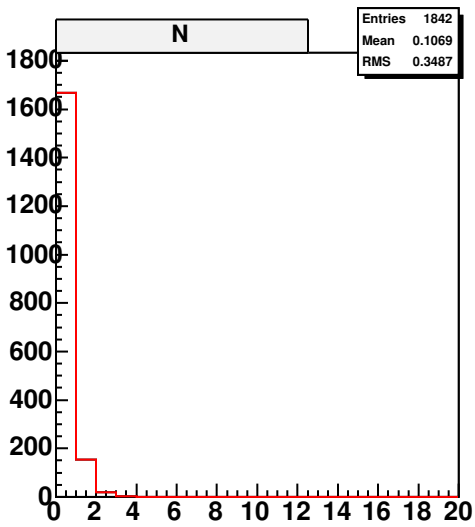


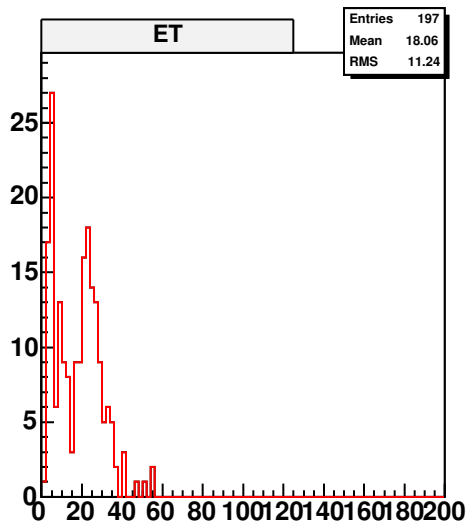


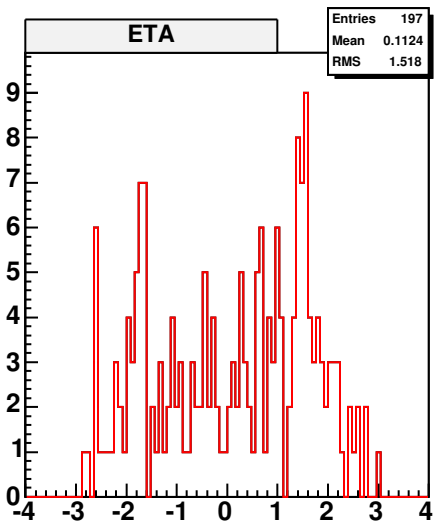


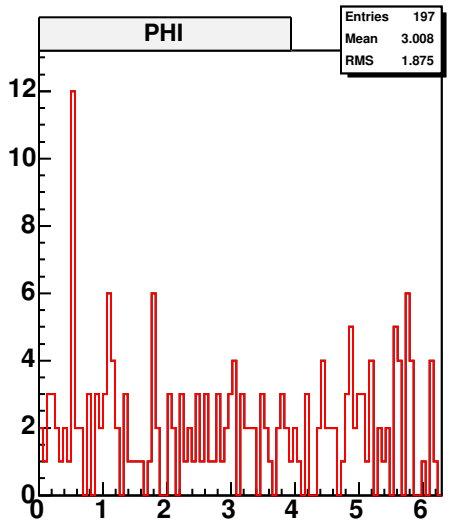


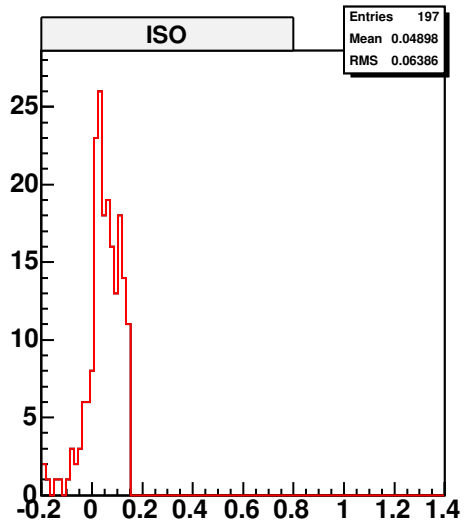
Electrons (SCONE All)

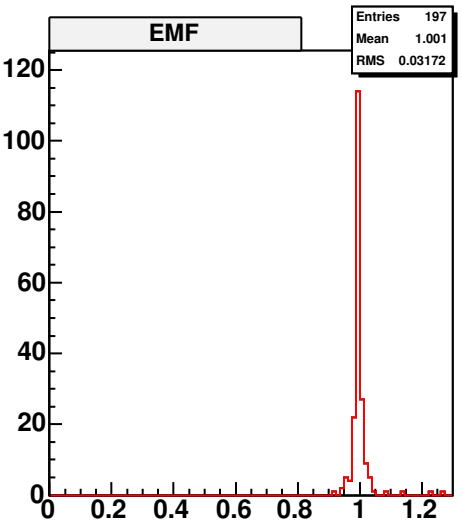


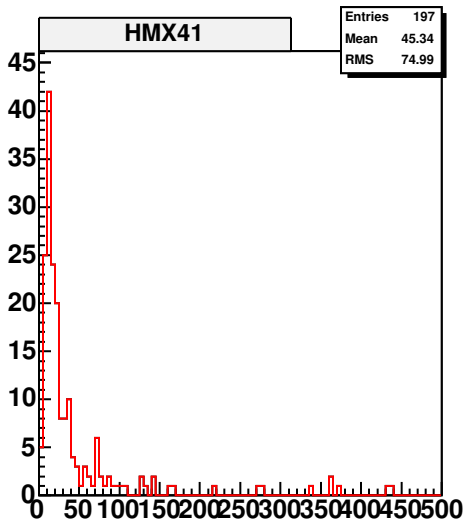


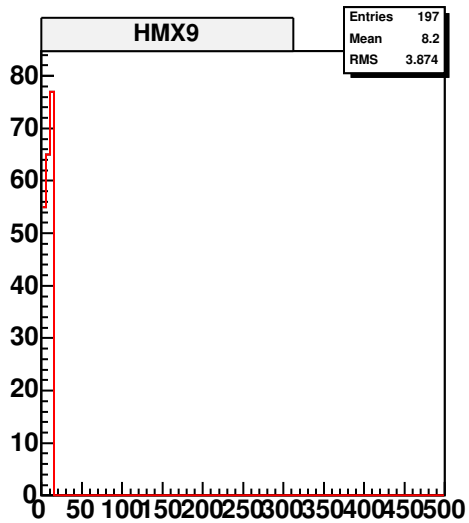


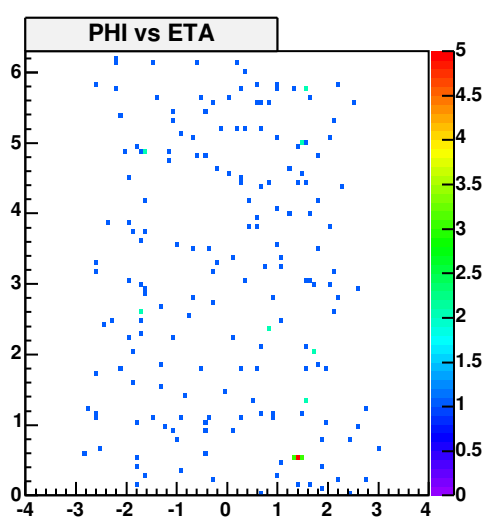




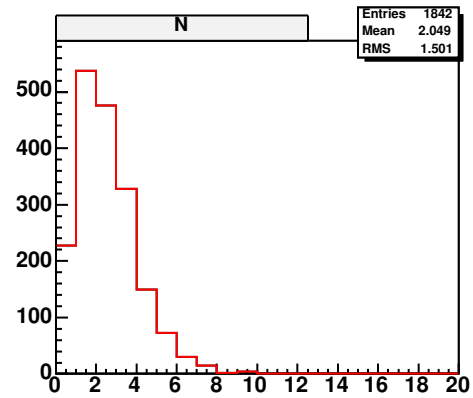


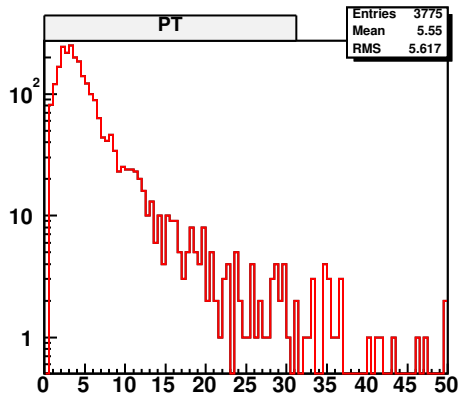


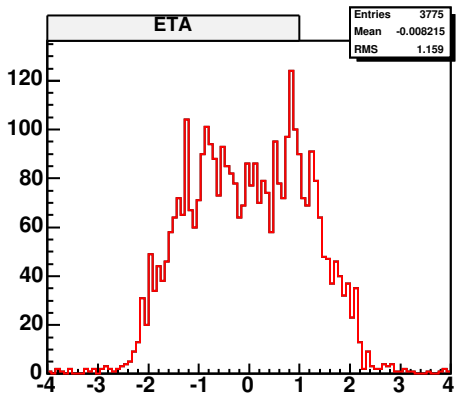


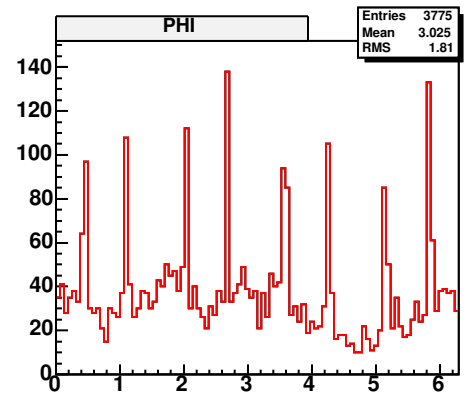


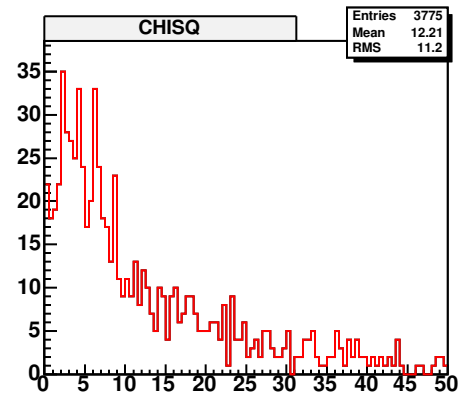
Electrons (SCONE Tight)

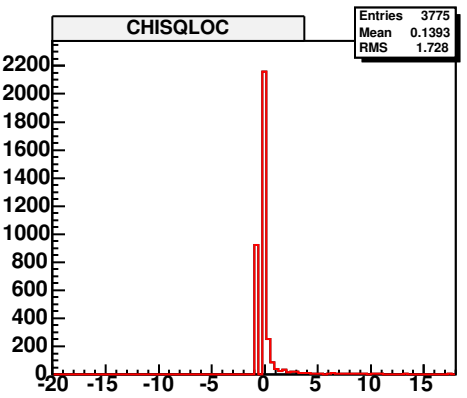

N
Entries 1842
Mean 2.049
RMS 1.501

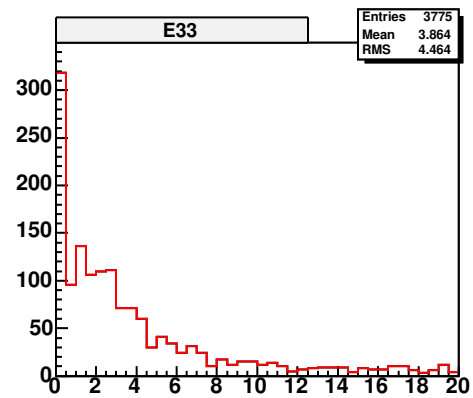

PT
Entries 3775
Mean 5.55
RMS 5.617

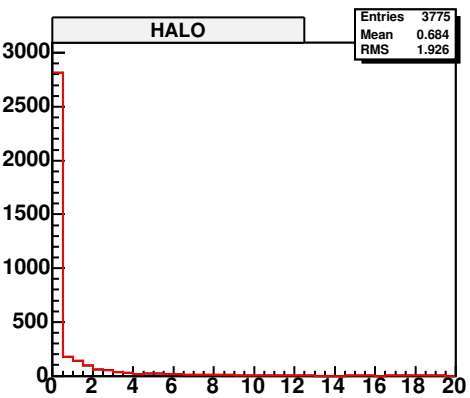

ETA
Entries 3775
Mean -0.008215
RMS 1.159

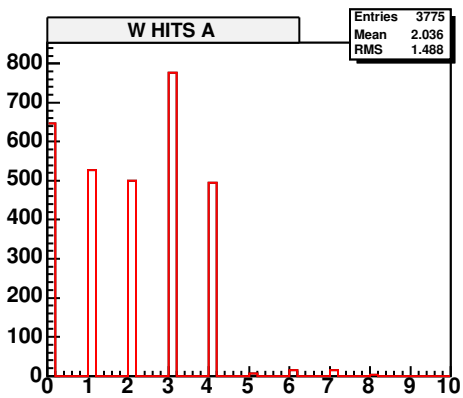

PHI
Entries 3775
Mean 3.025
RMS 1.81

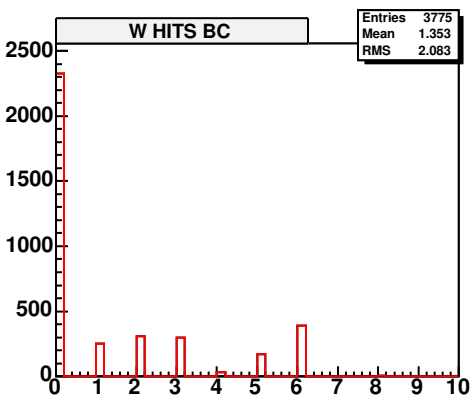

CHISQ
Entries 3775
Mean 12.21
RMS 11.2

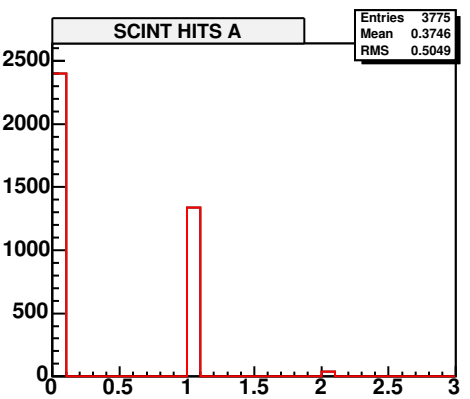

CHISQLOC
Entries 3775
Mean 0.1393
RMS 1.728

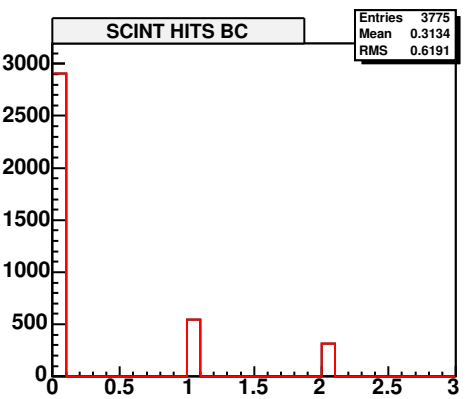

E33
Entries 3775
Mean 3.864
RMS 4.464


HALO
Entries 3775
Mean 0.684
RMS 1.926

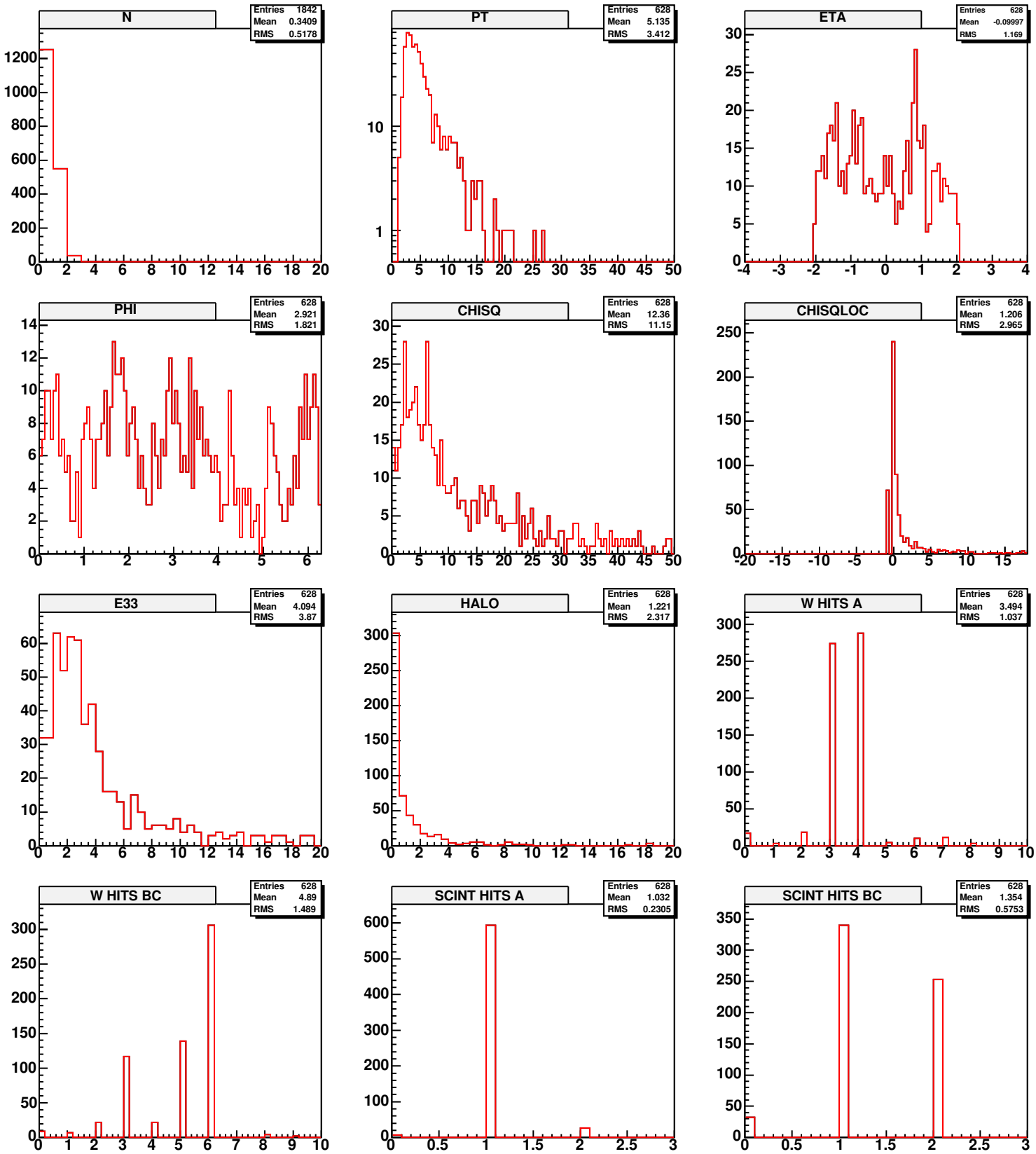

W HITS A
Entries 3775
Mean 2.036
RMS 1.488


W HITS BC
Entries 3775
Mean 1.353
RMS 2.083

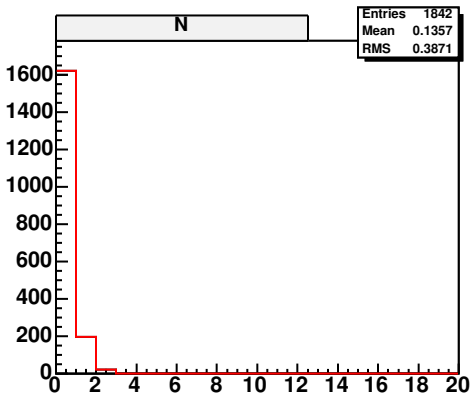

SCINT HITS A
Entries 3775
Mean 0.3746
RMS 0.5049

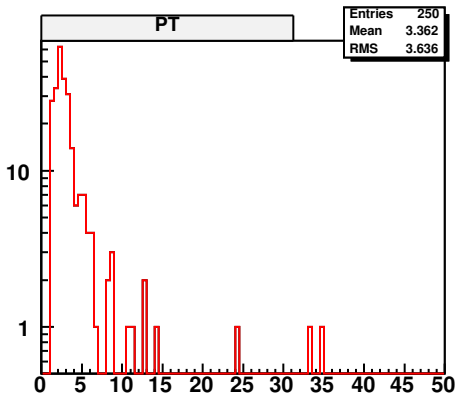

SCINT HITS BC
Entries 3775
Mean 0.3134
RMS 0.6191

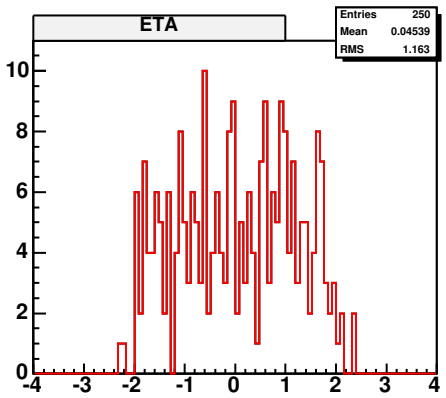
Muons (All)

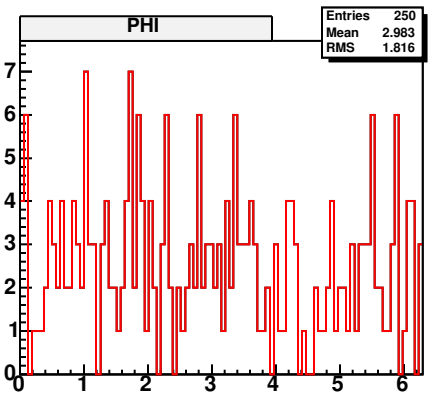


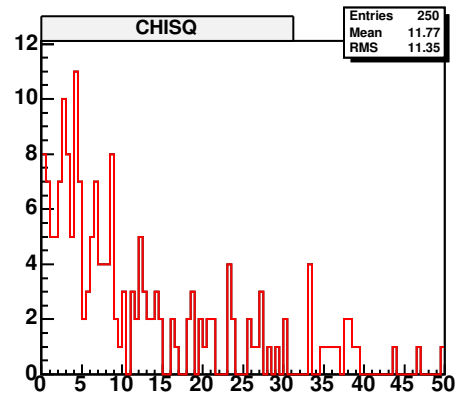
Muons (Matched)

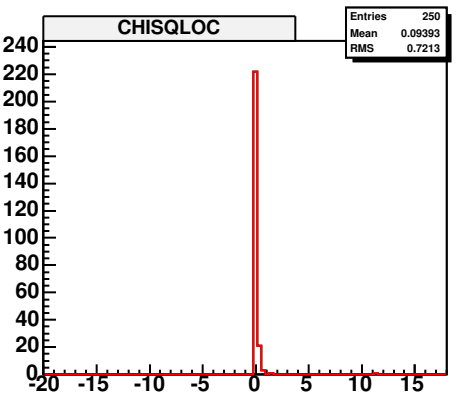

N
Entries 1842
Mean 0.1357
RMS 0.3871

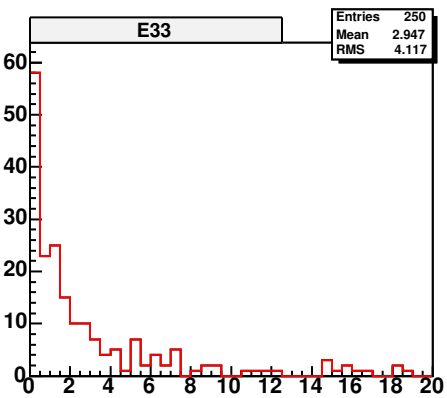

PT
Entries 250
Mean 3.362
RMS 3.636

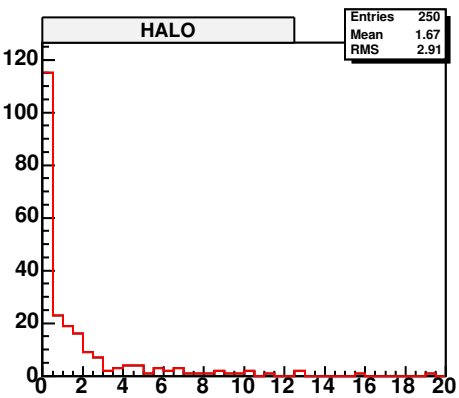

ETA
Entries 250
Mean 0.04539
RMS 1.163

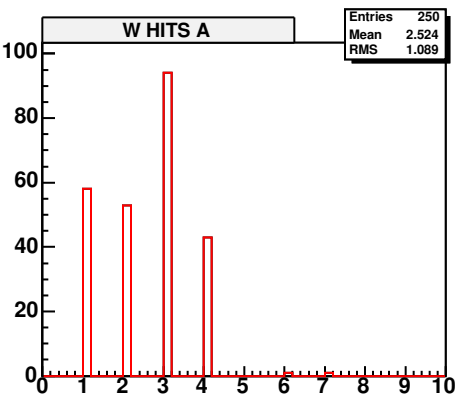

PHI
Entries 250
Mean 2.983
RMS 1.816

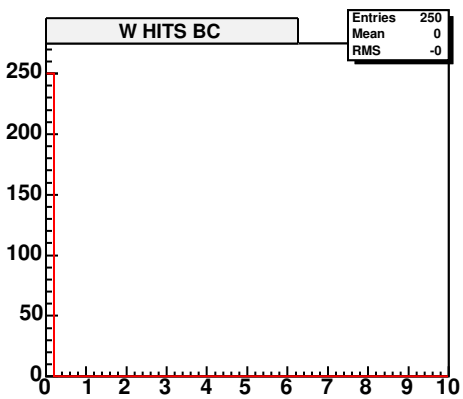

CHISQ
Entries 250
Mean 11.77
RMS 11.35

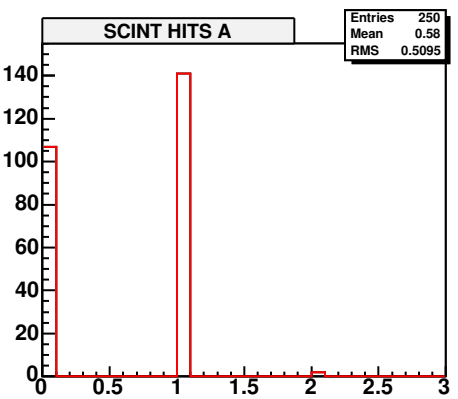

CHISQLOC
Entries 250
Mean 0.09393
RMS 0.7213

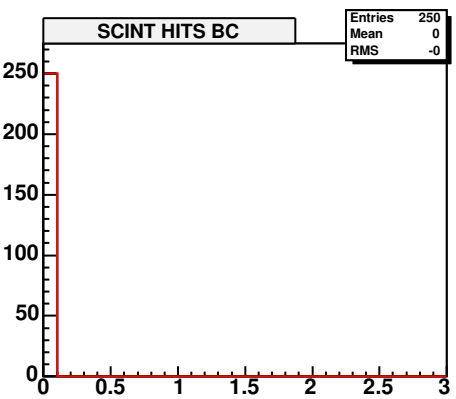

E33
Entries 250
Mean 2.947
RMS 4.117


HALO
Entries 250
Mean 1.67
RMS 2.91

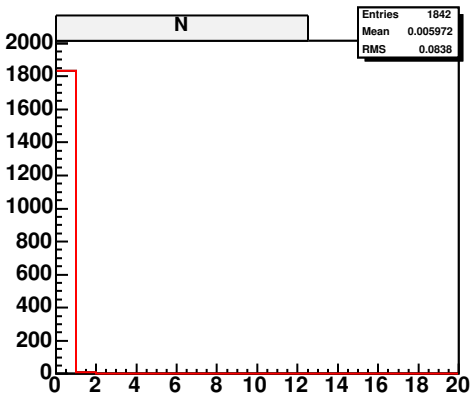

W HITS A
Entries 250
Mean 2.524
RMS 1.089

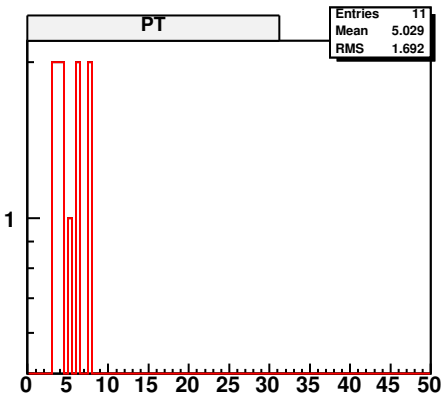

W HITS BC
Entries 250
Mean 0
RMS -0

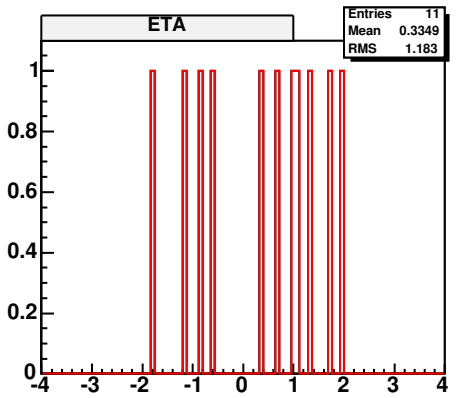

SCINT HITS A
Entries 250
Mean 0.58
RMS 0.5095

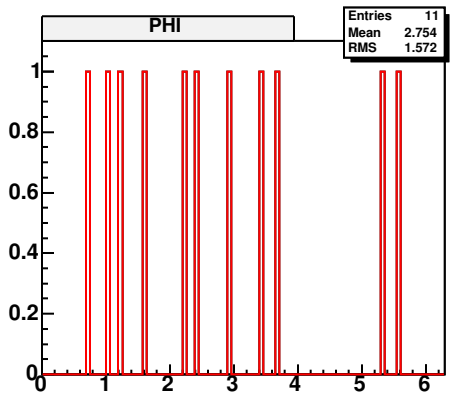

SCINT HITS BC
Entries 250
Mean 0
RMS -0

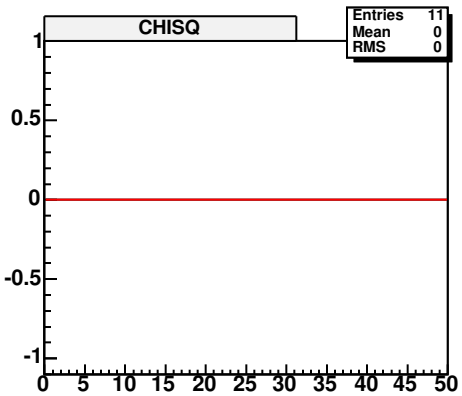
Muons (Astub)

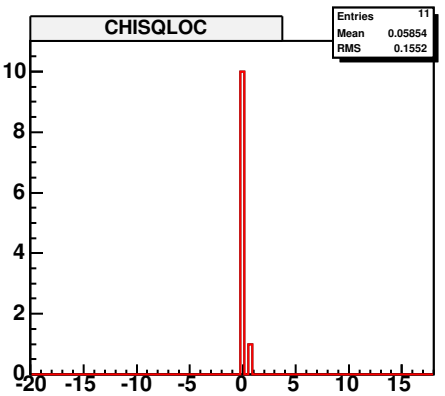


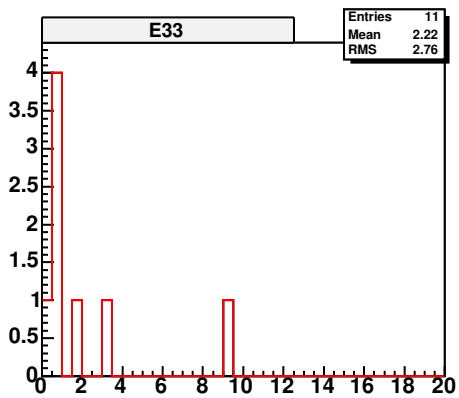


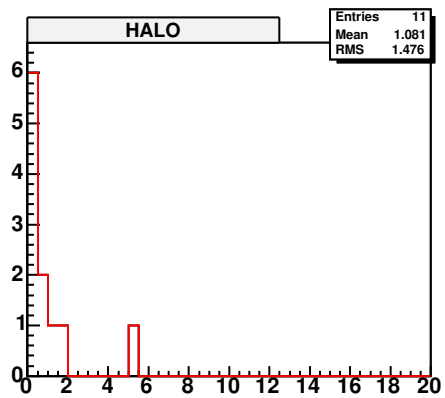


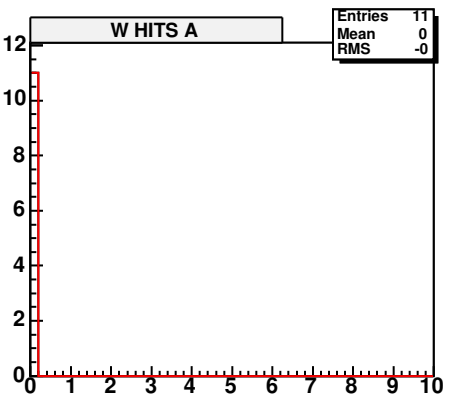


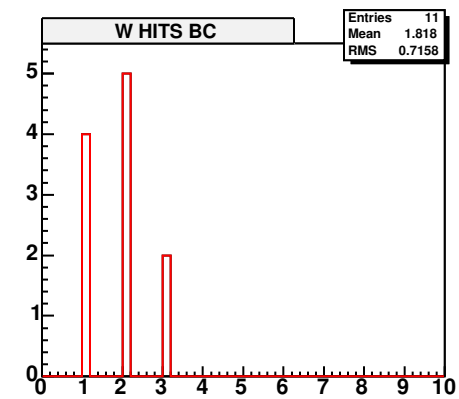


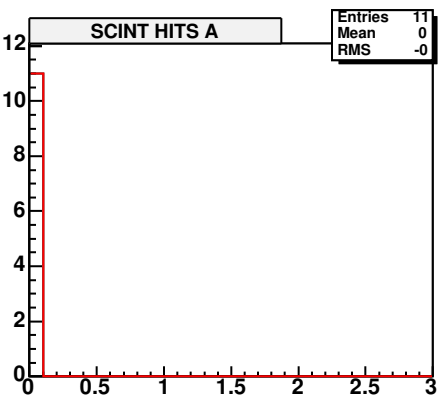


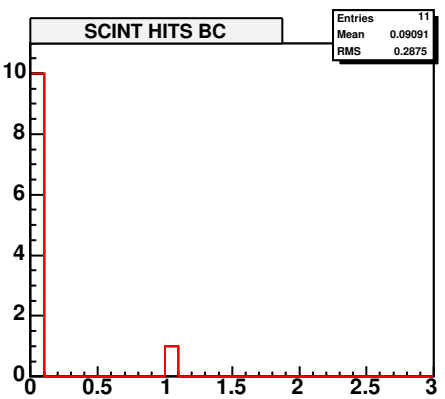




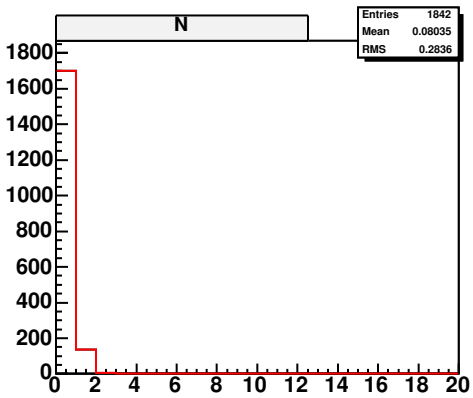


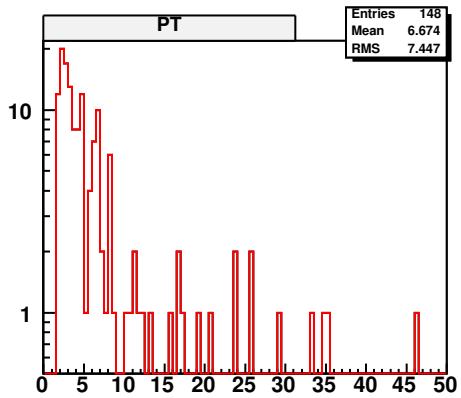


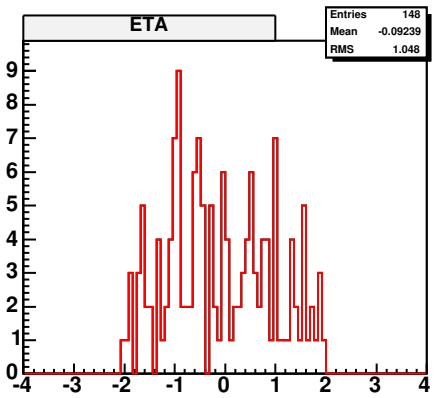


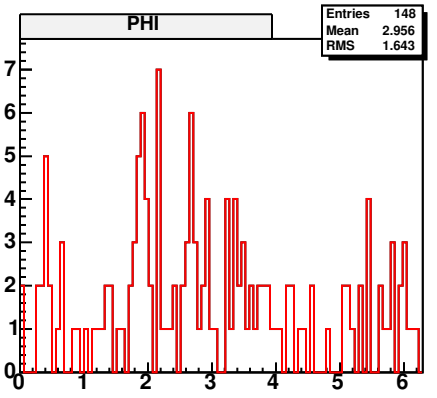


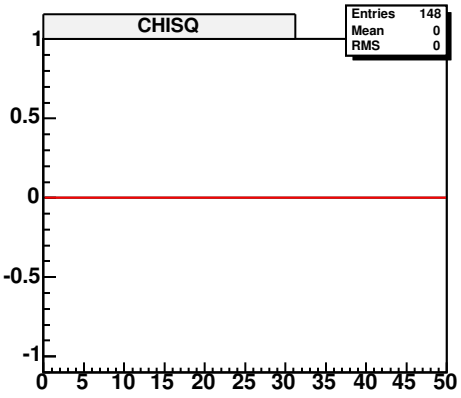
Muons (BCstub)

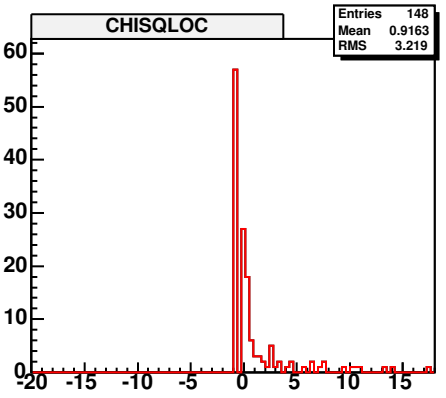


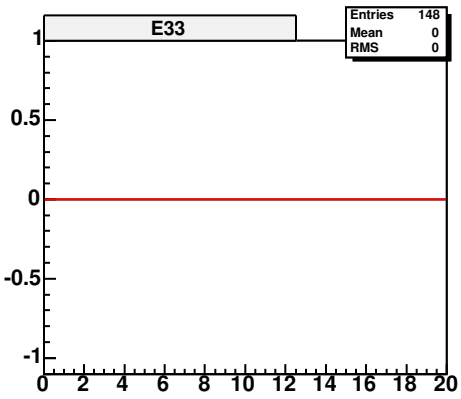


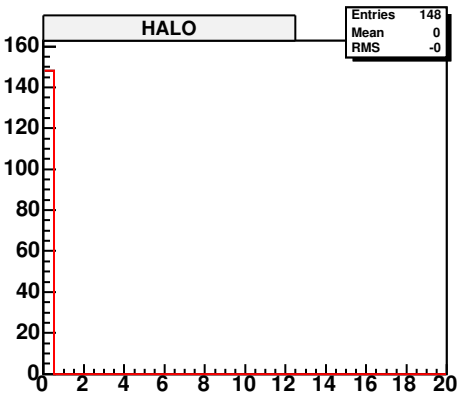


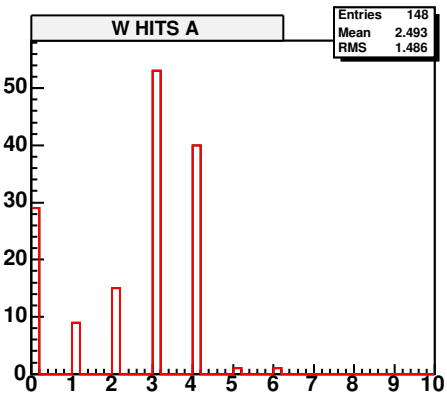


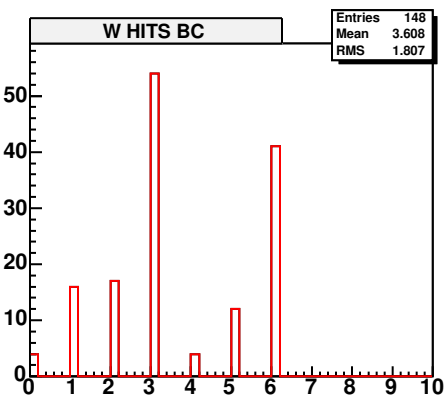


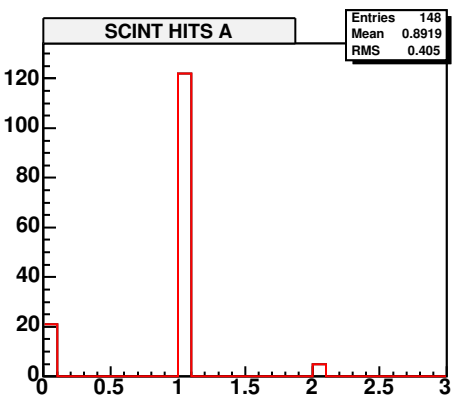


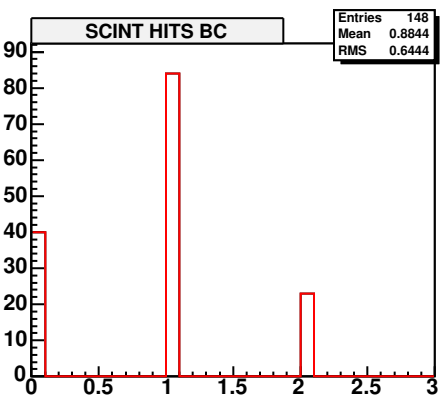




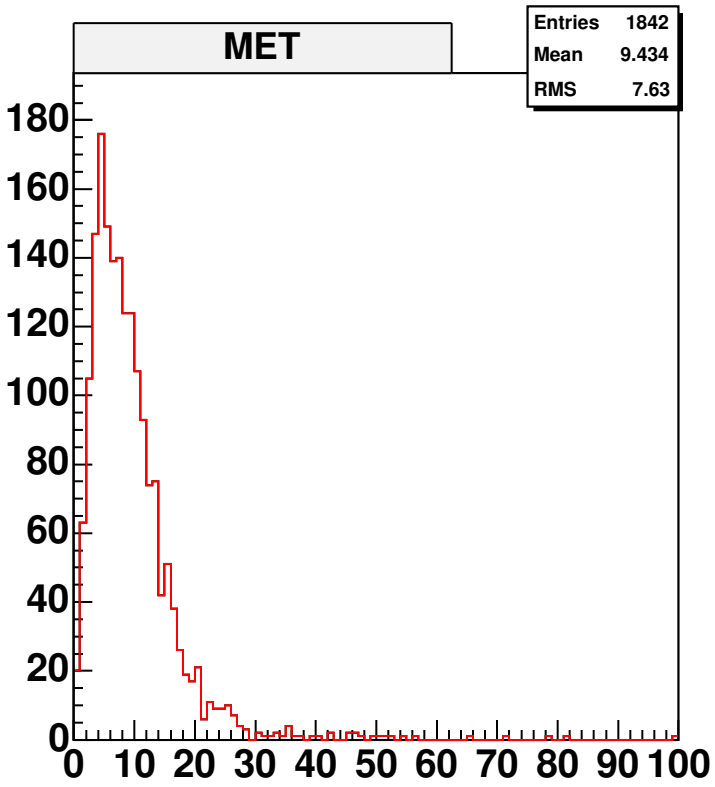


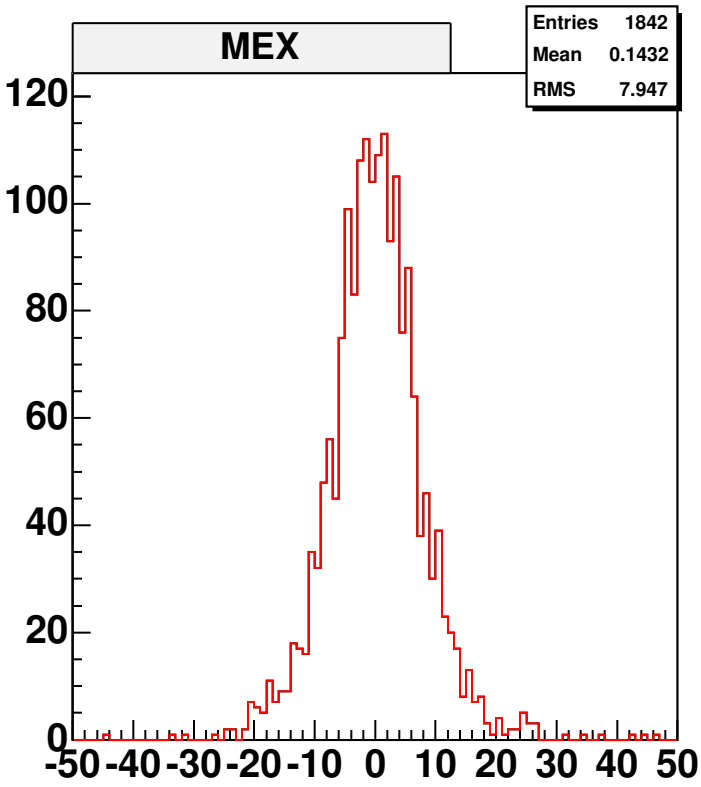


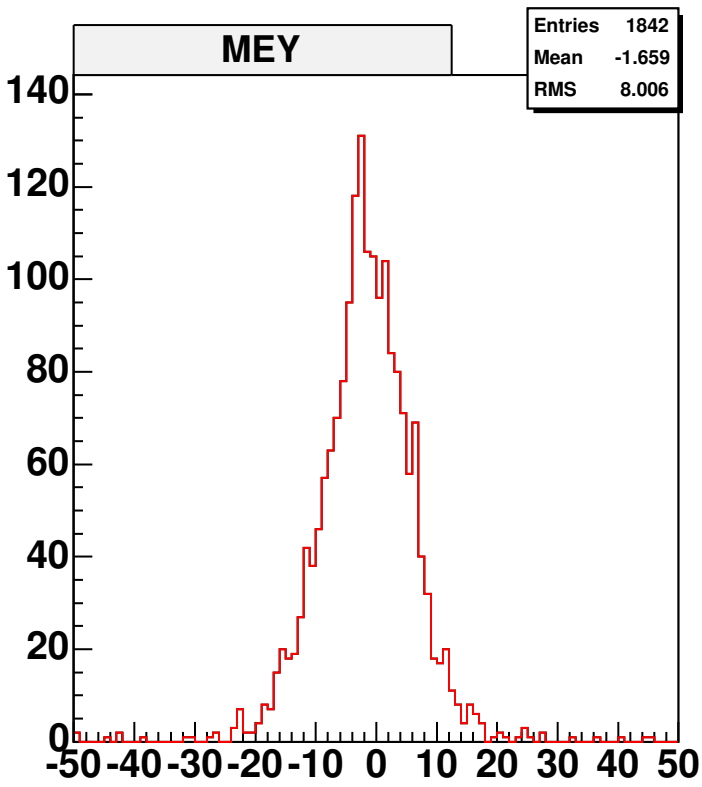




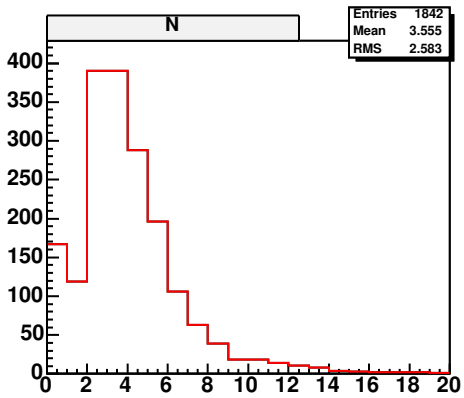
Muons (Unmatched)

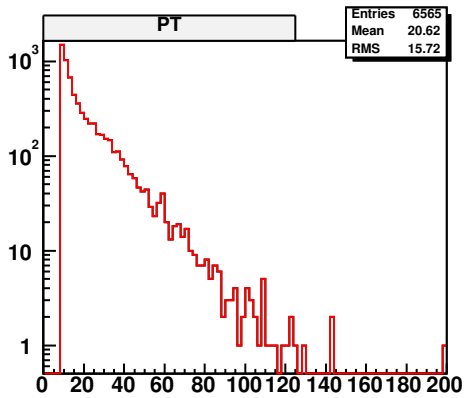

MET
Entries 1842
Mean 9.434
RMS 7.63
0 10 20 30 40 50 60 70 80 90 100
0 20 40 60 80 100 120 140 160 180

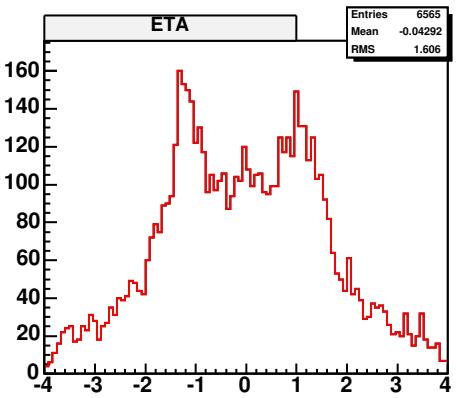

MEX
Entries 1842
Mean 0.1432
RMS 7.947
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 20 40 60 80 100 120

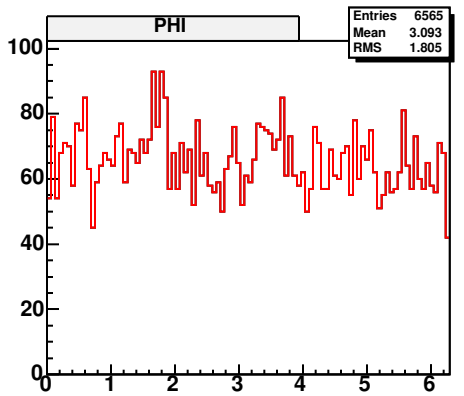

MEY
Entries 1842
Mean -1.659
RMS 8.006
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 20 40 60 80 100 120 140

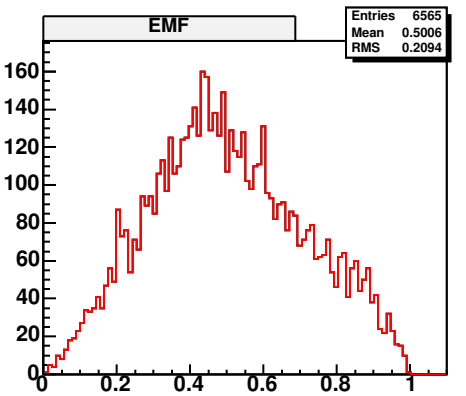
Met (No cuts)

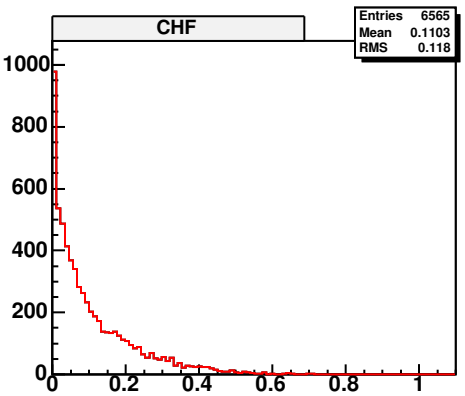


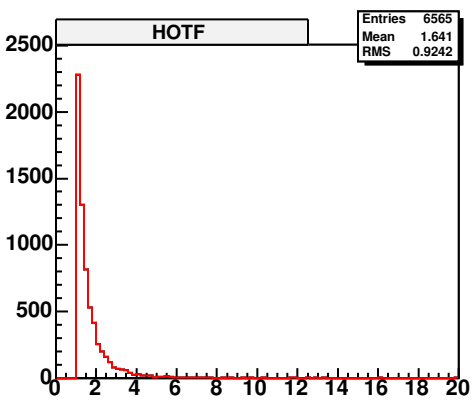


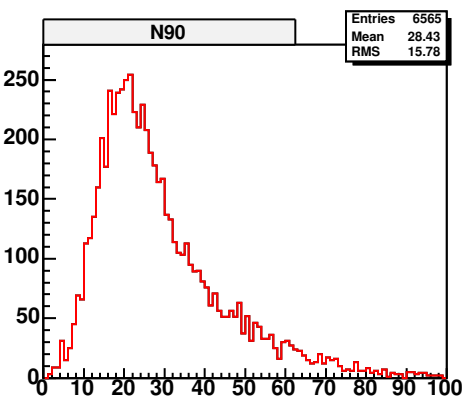


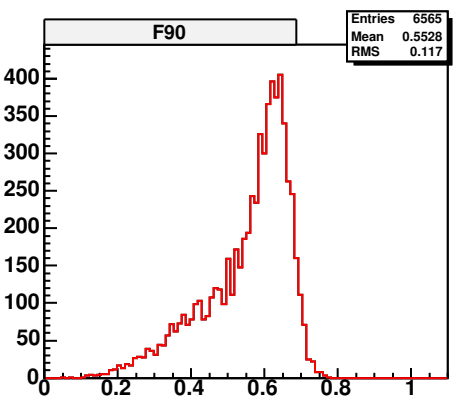


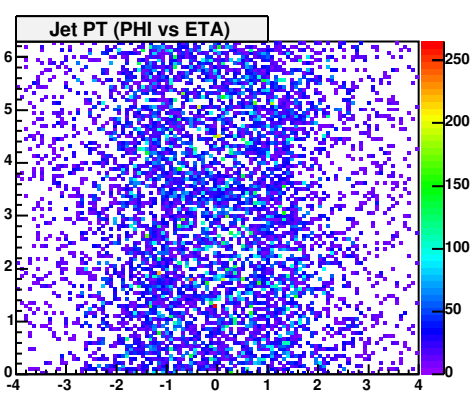




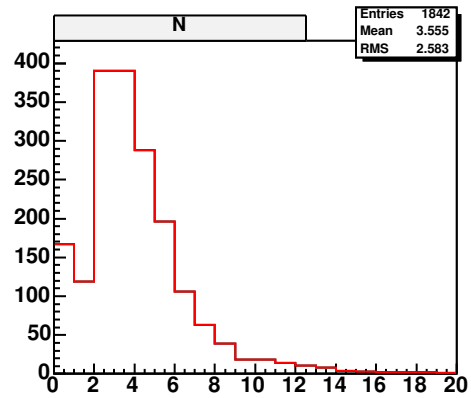


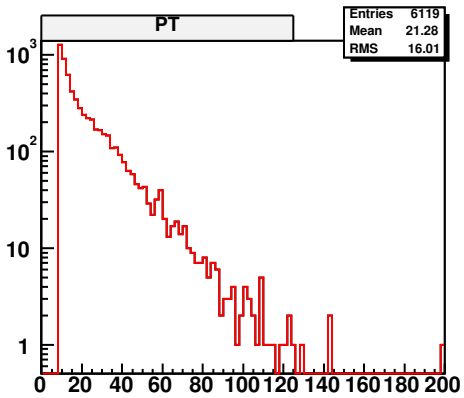


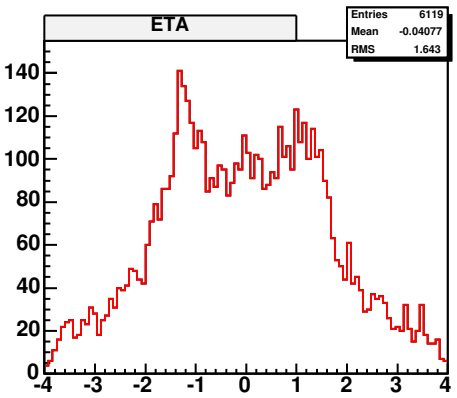


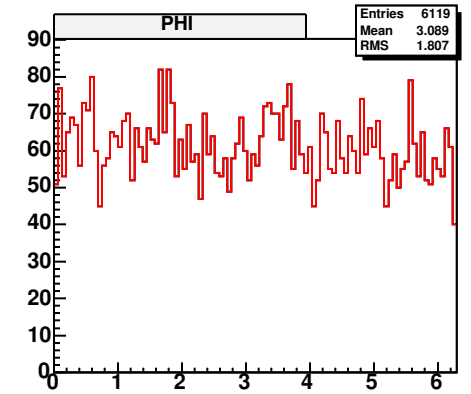


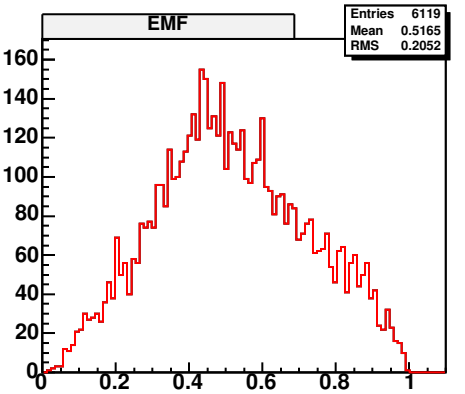
Jets (Cone R 0.7 (no cuts))

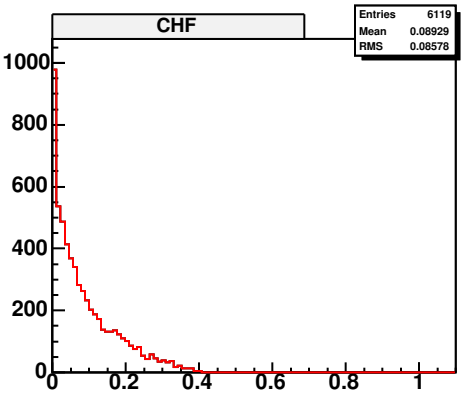


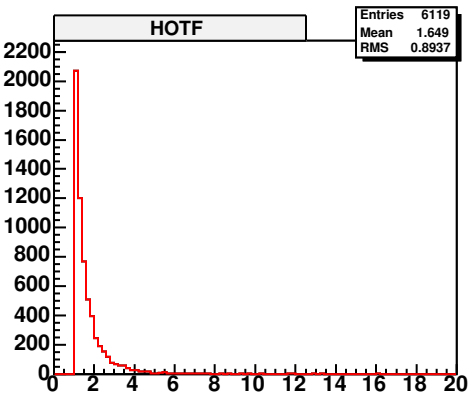


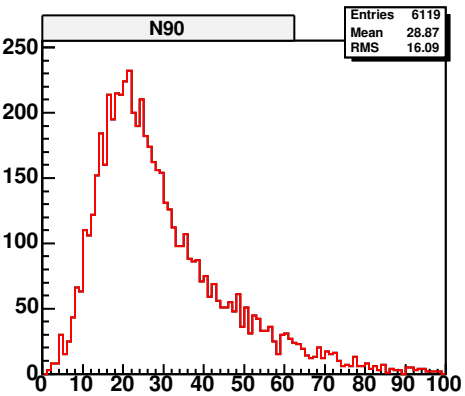


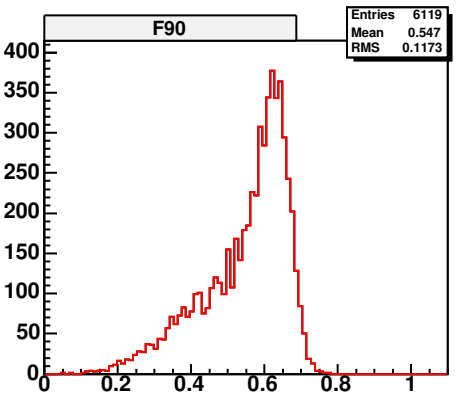


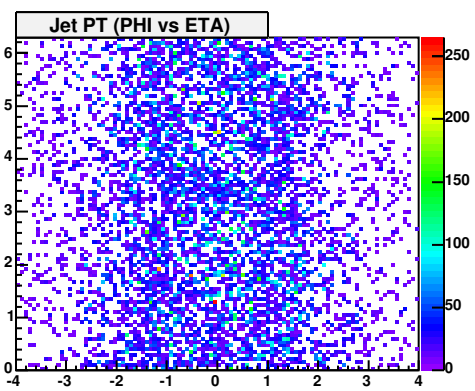




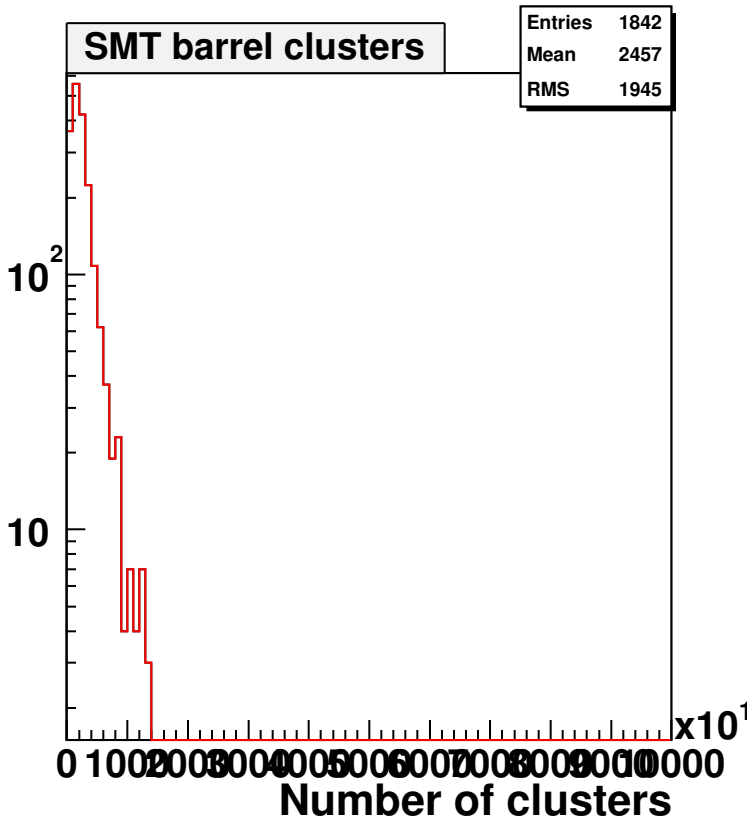


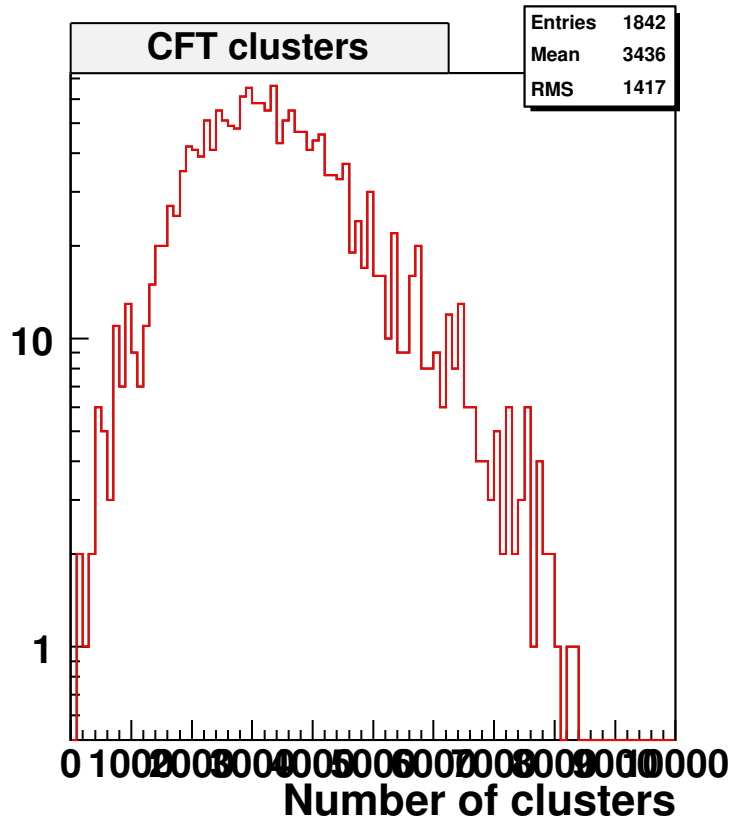


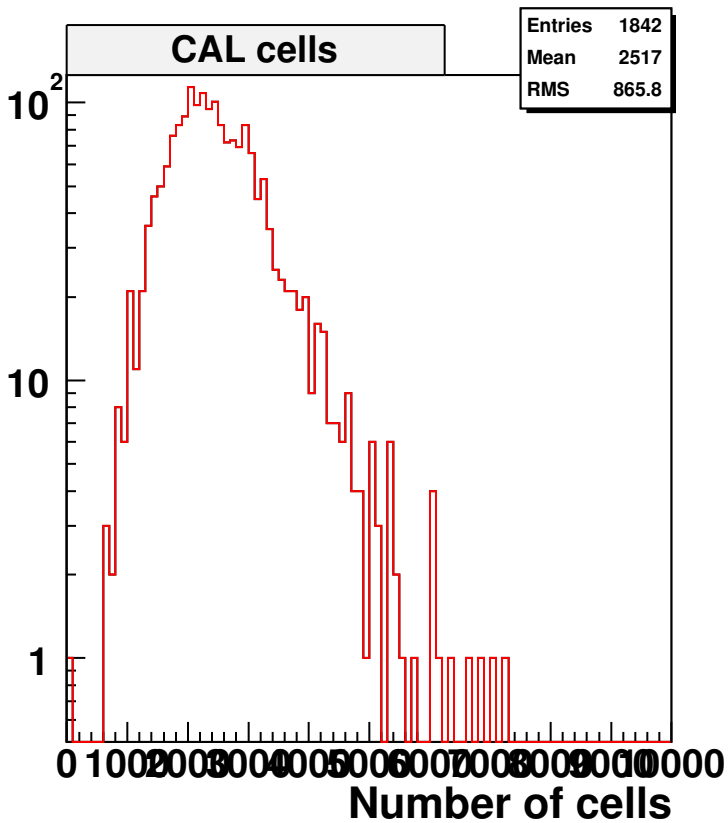


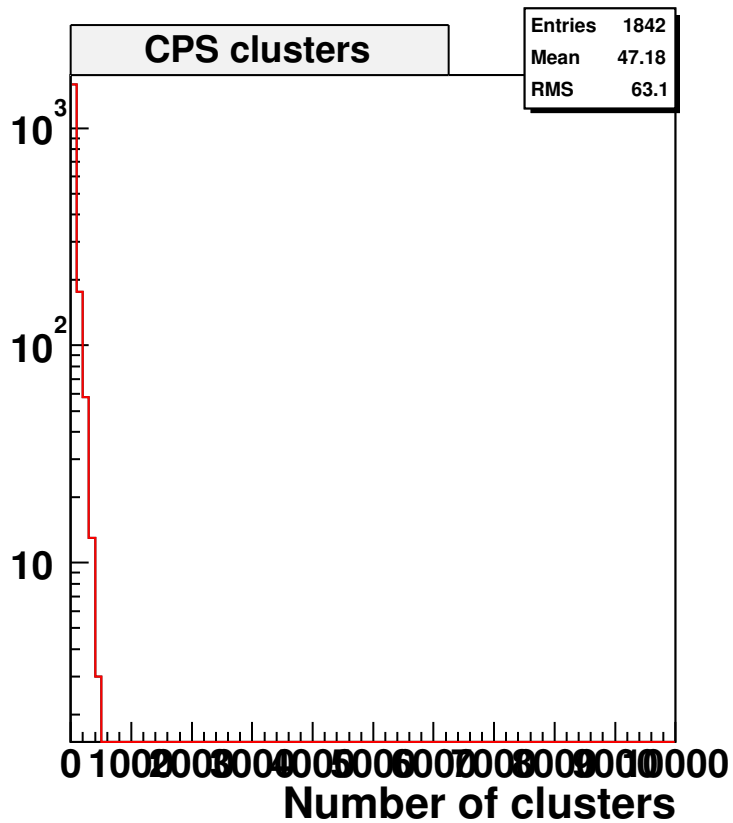


Jets (Cone R 0.7 (standard cuts))

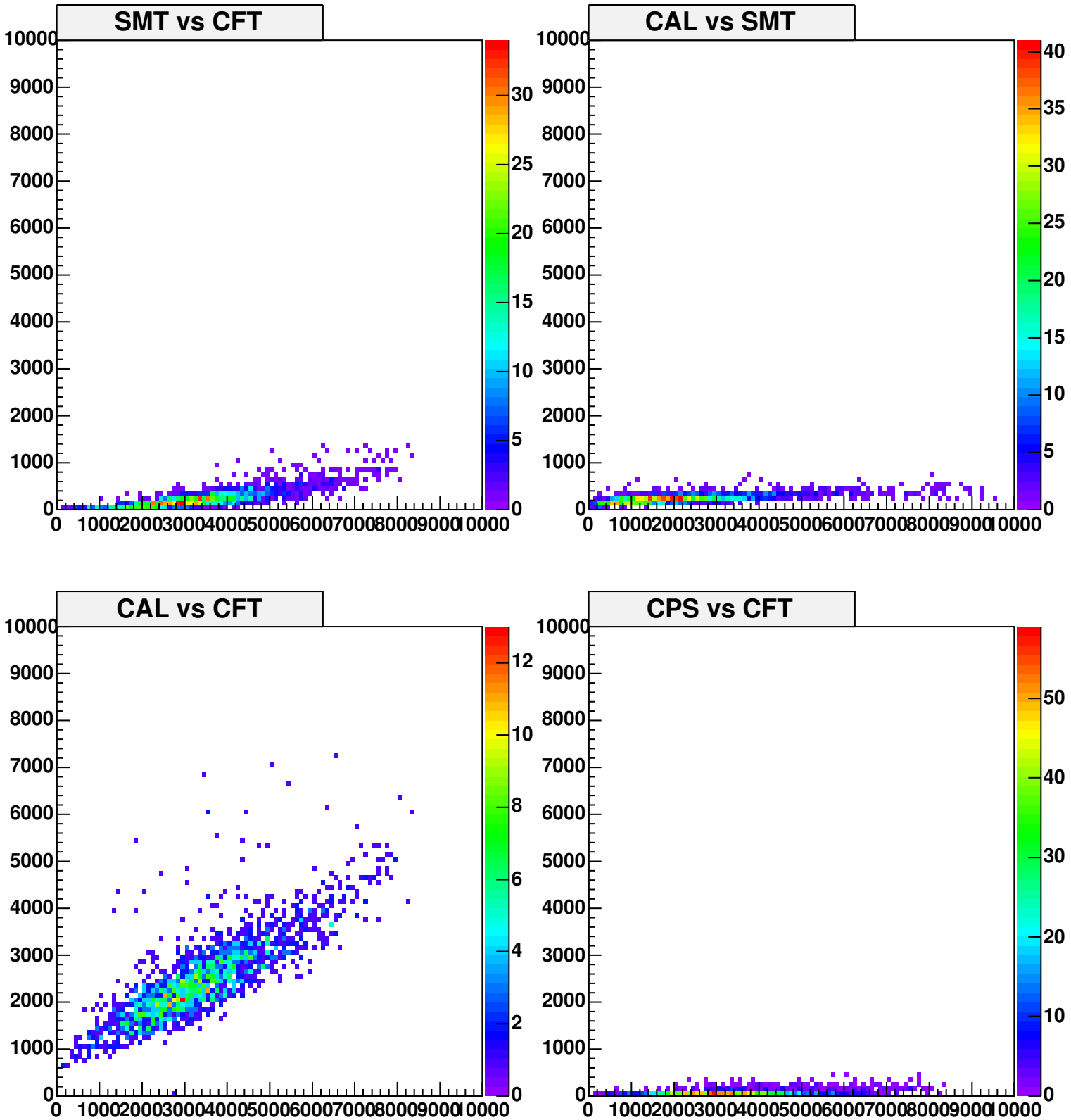




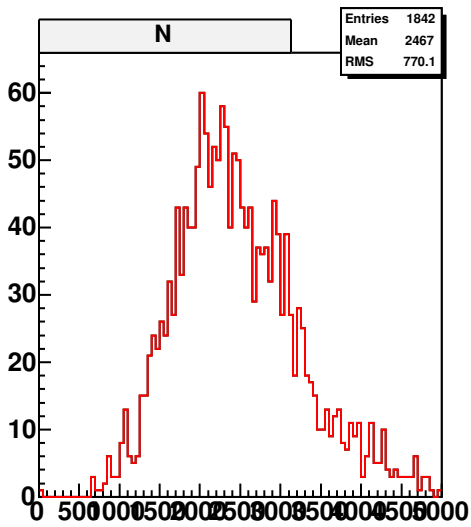


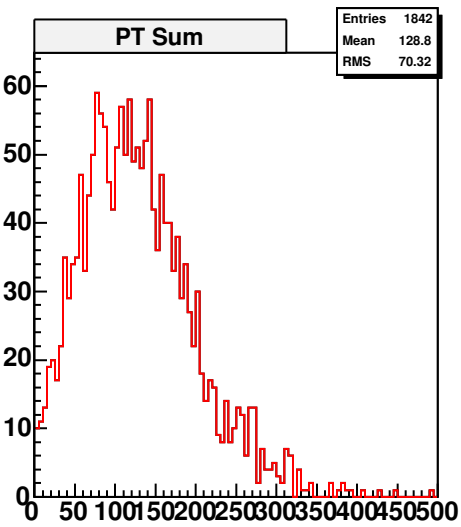


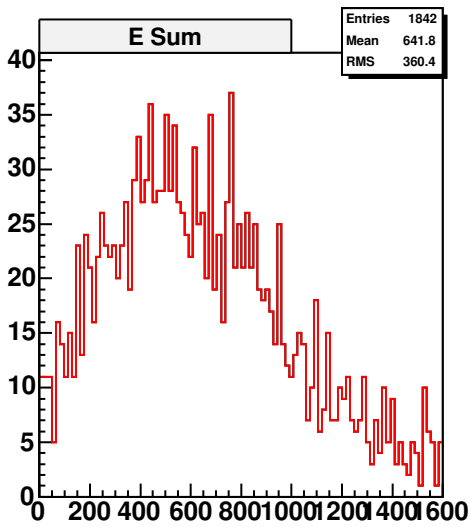
Detector Occupancy (Detector)

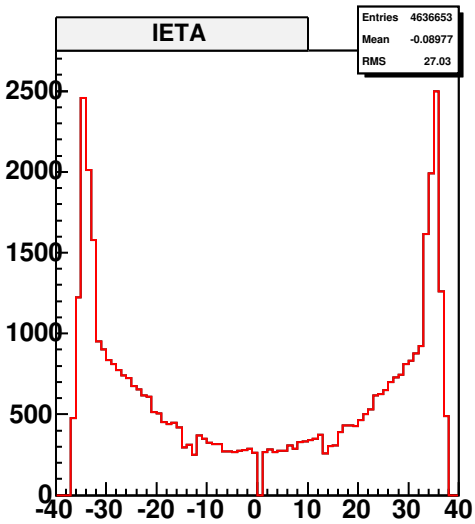


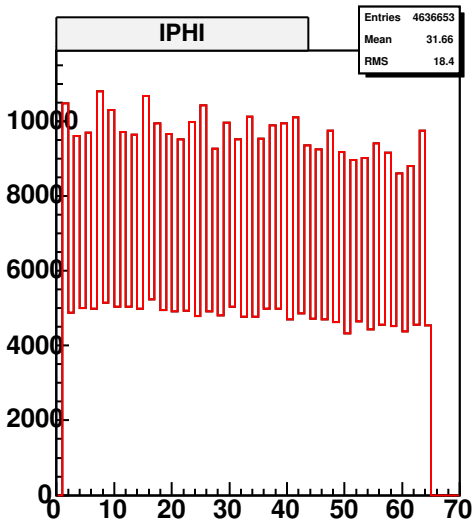
Detector Occupancy (Detector)

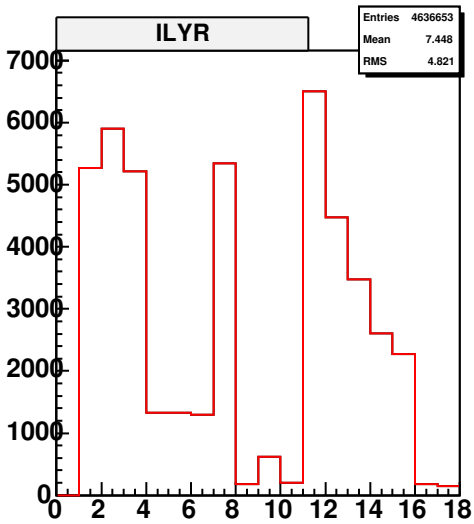


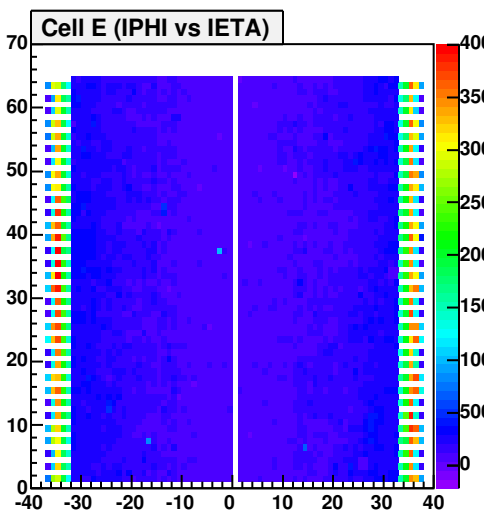


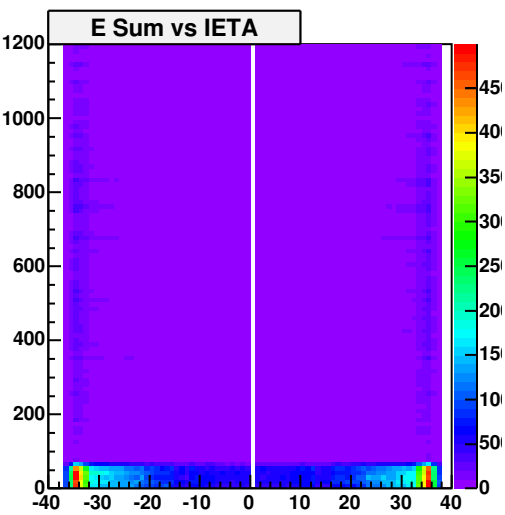


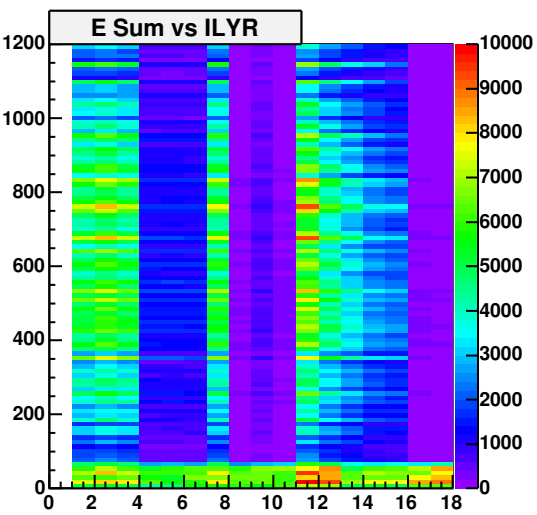




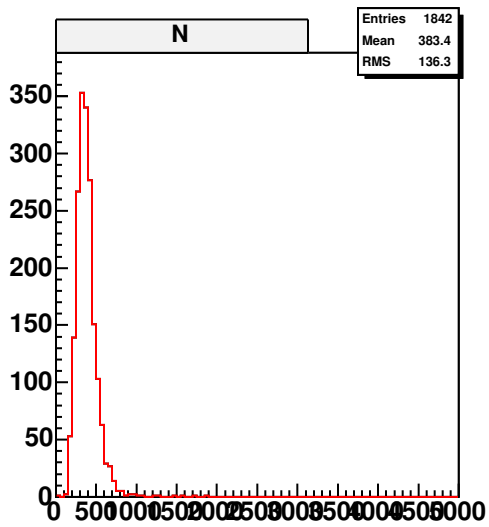


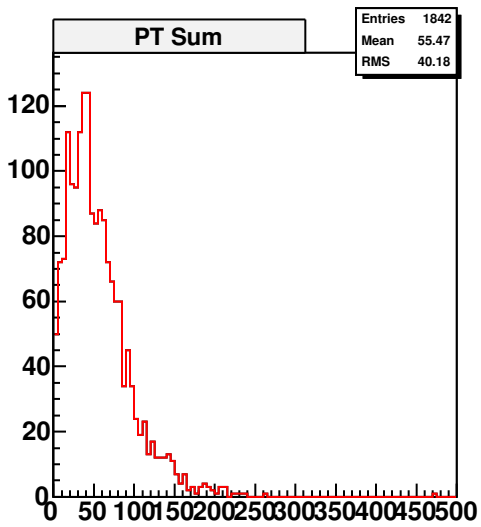


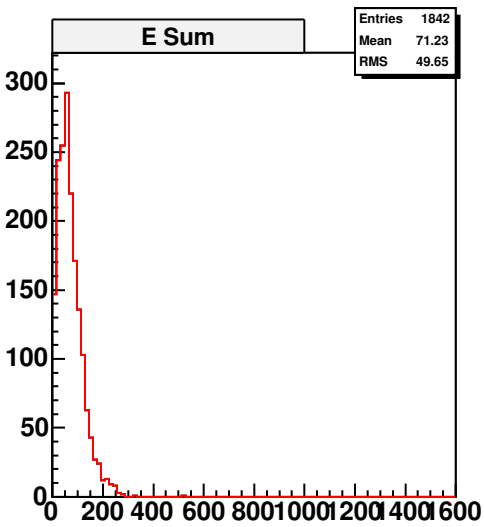


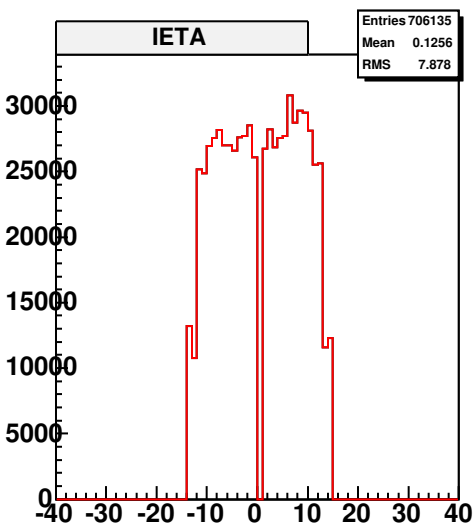


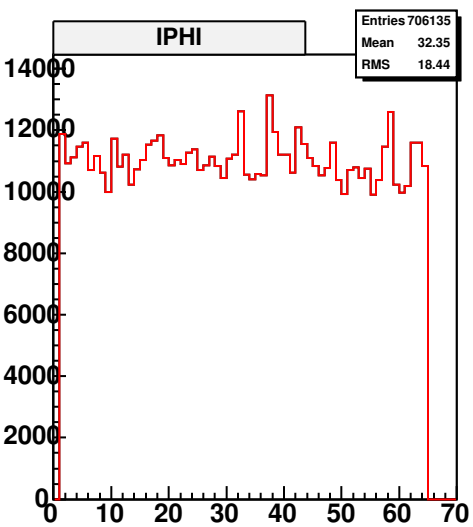
Calorimeter (All cells)

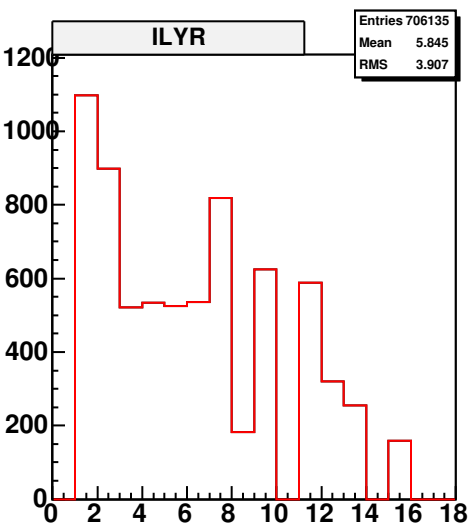


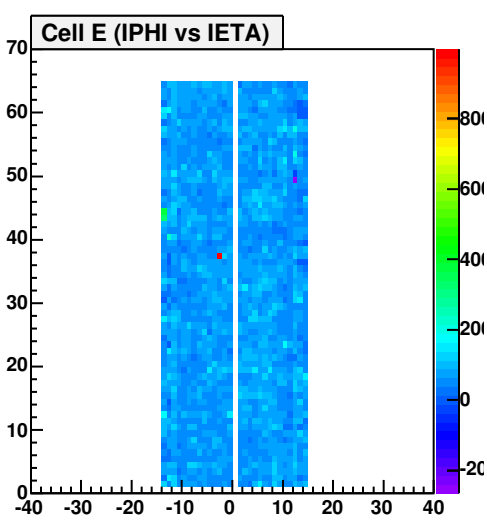


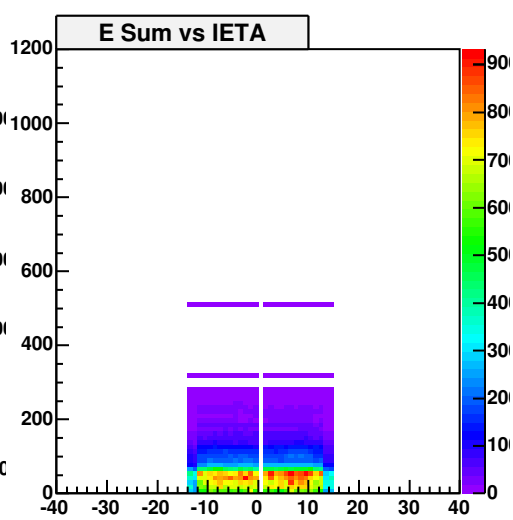


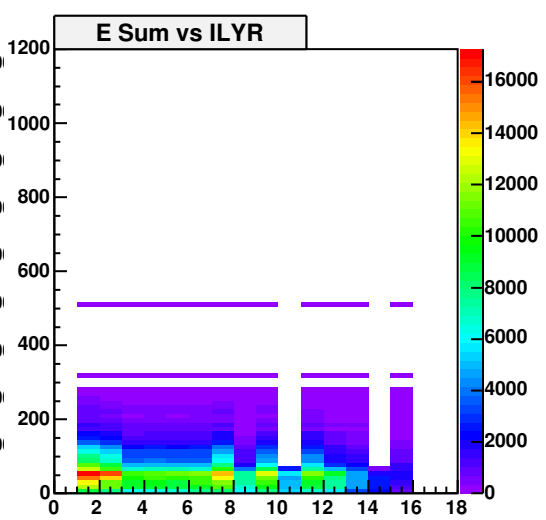




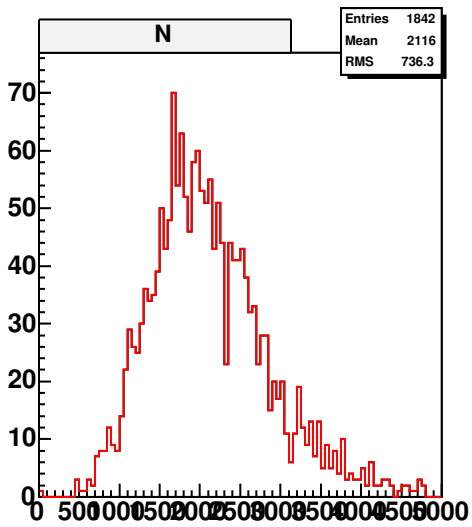


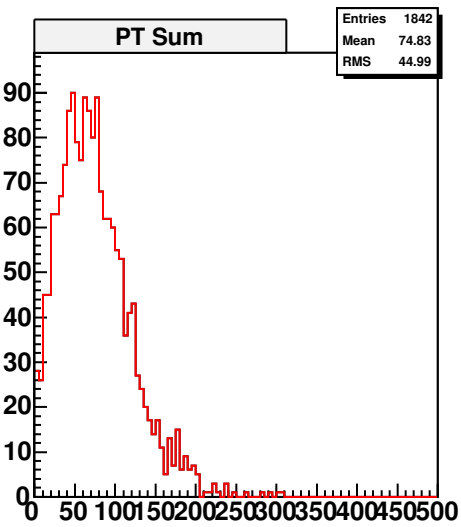


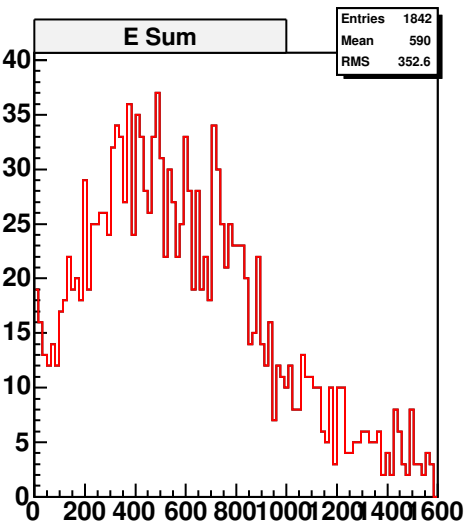


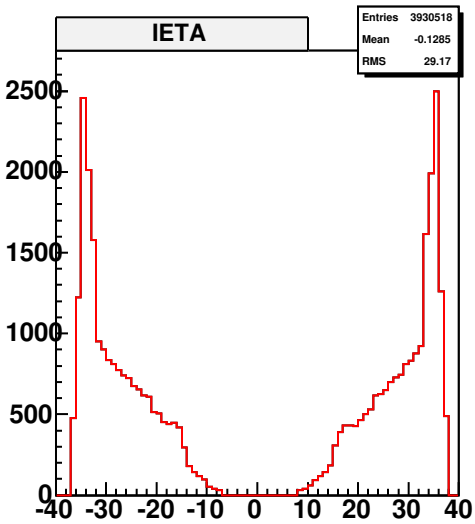


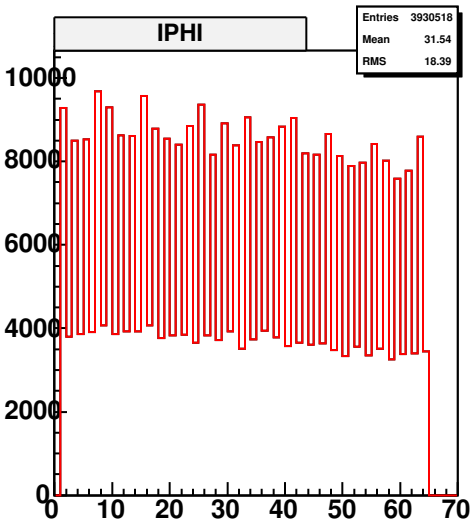
Calorimeter (All CC cells)

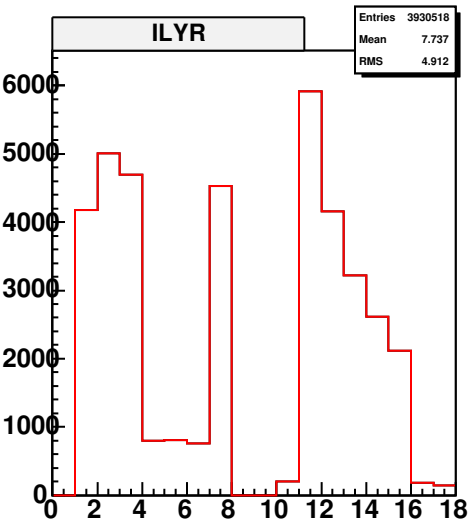


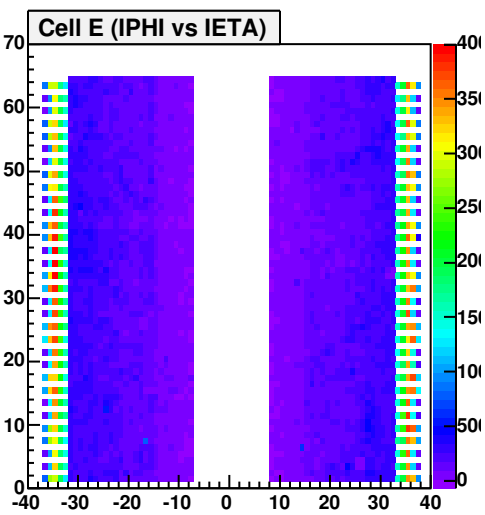


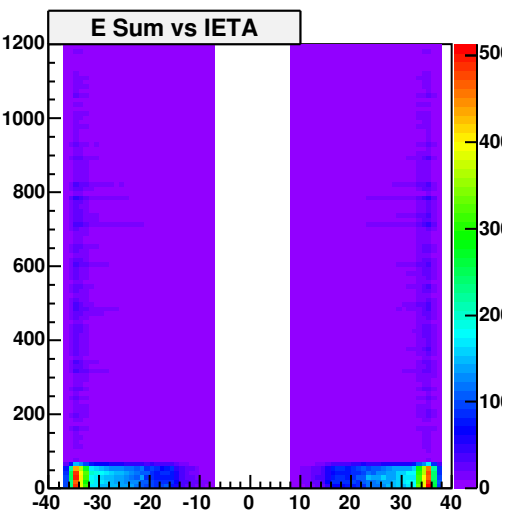


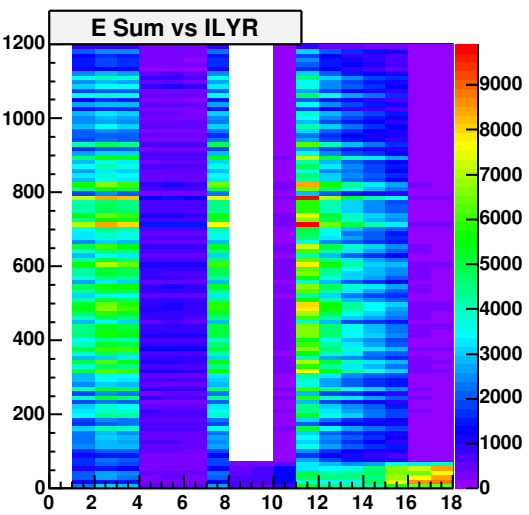




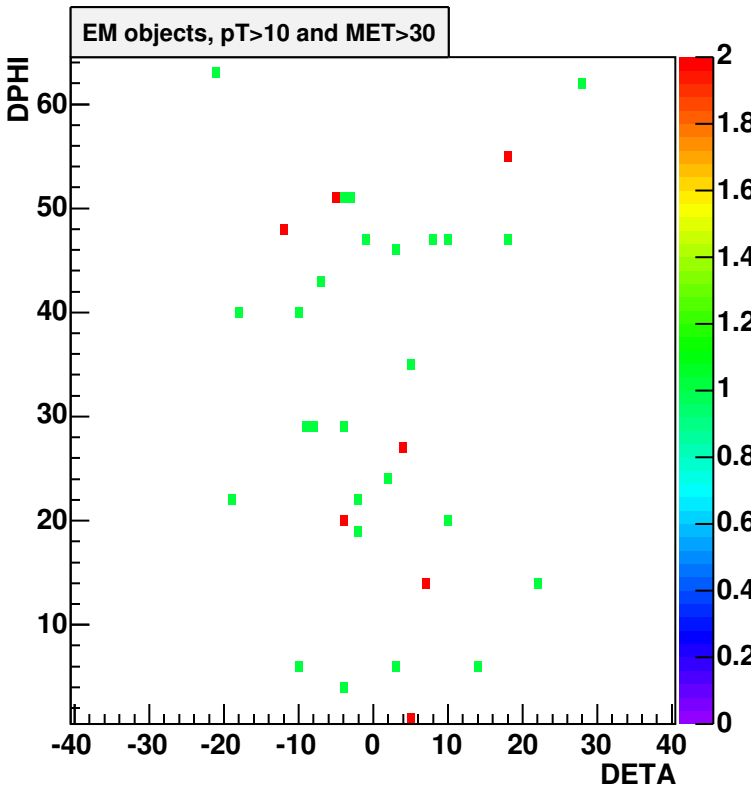


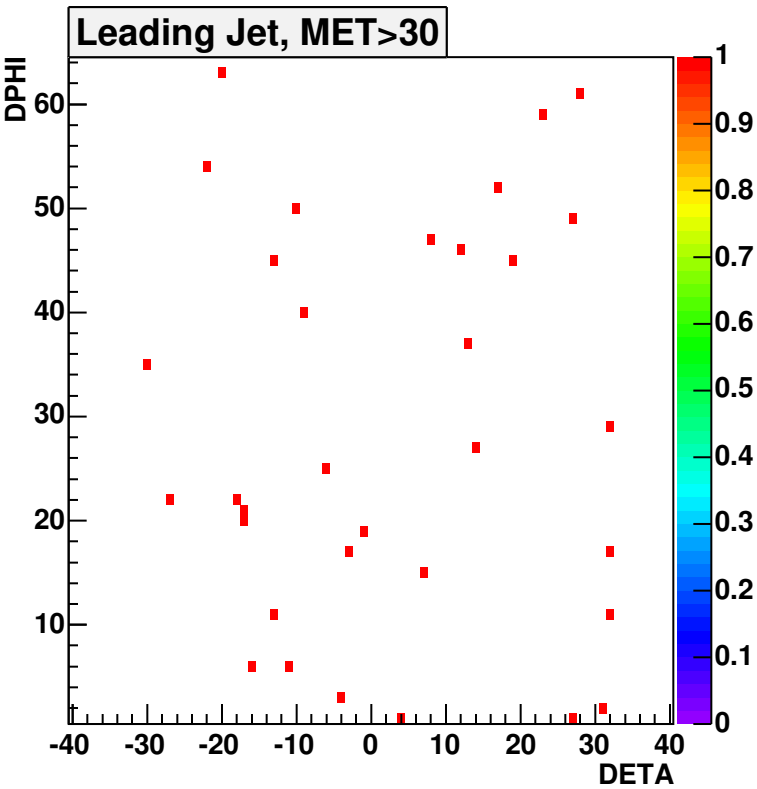


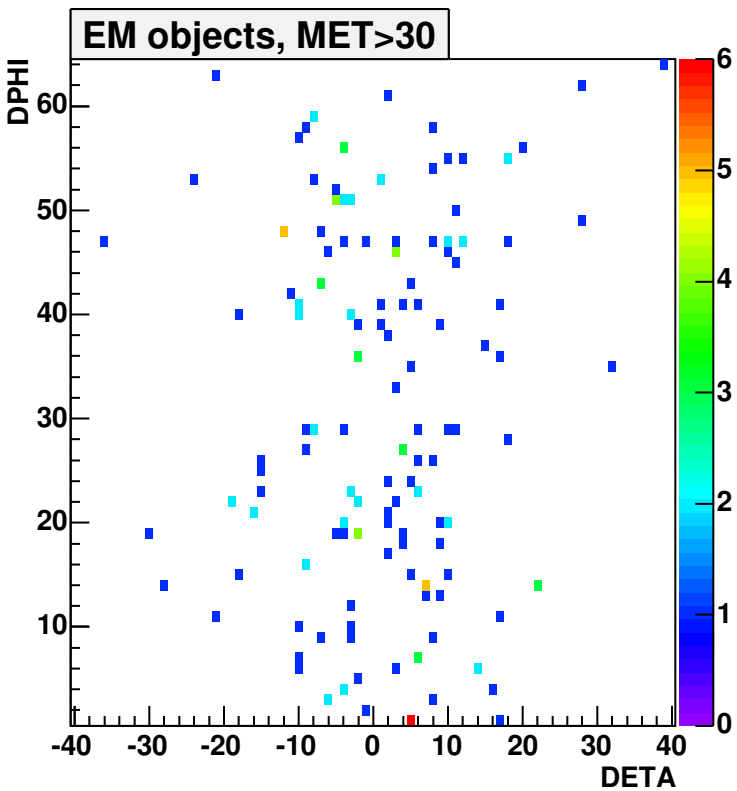




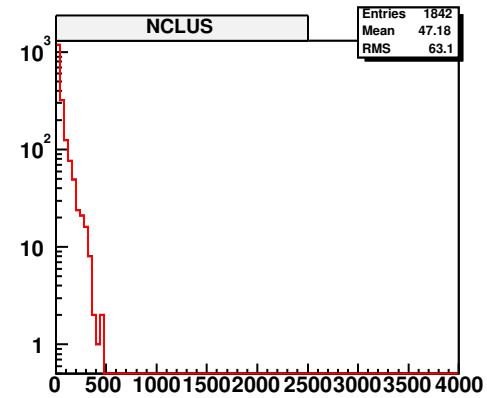
Calorimeter (All EC cells)

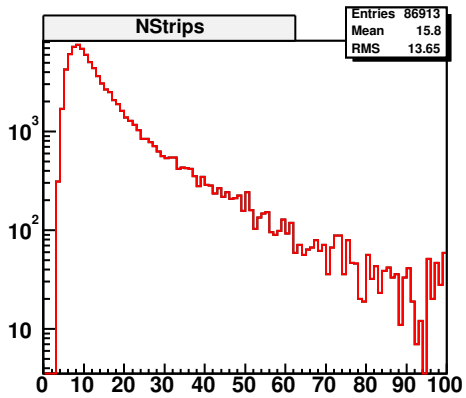


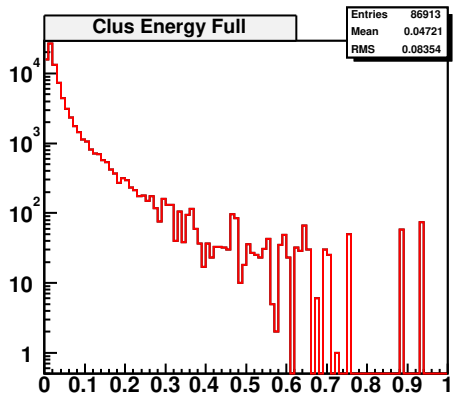


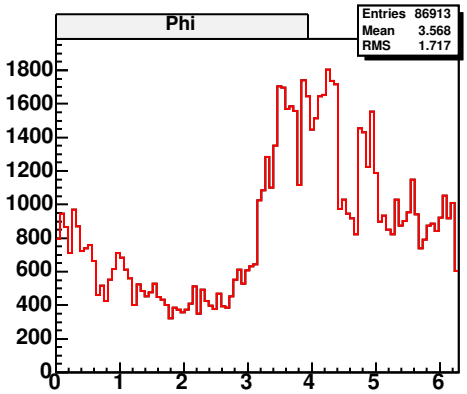


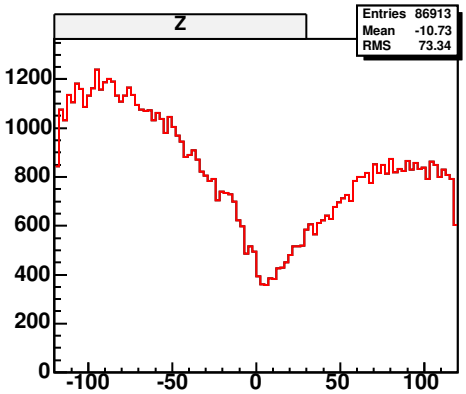
Calorimeter (All cells)

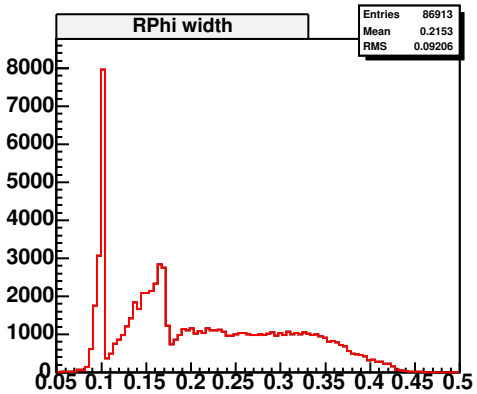


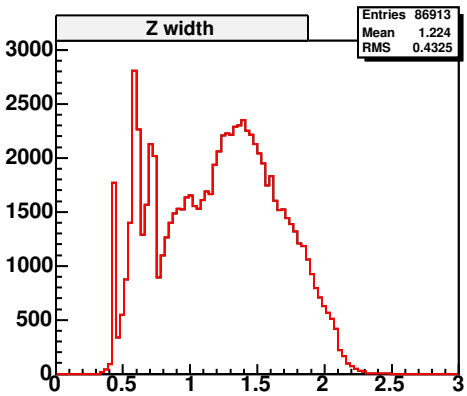


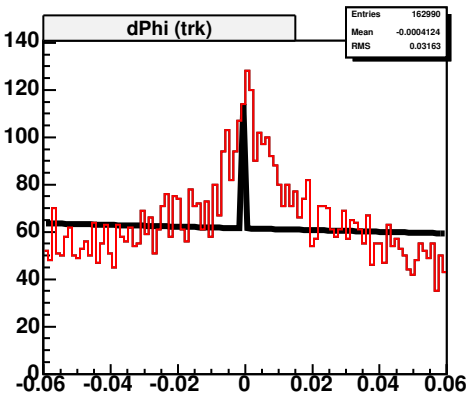


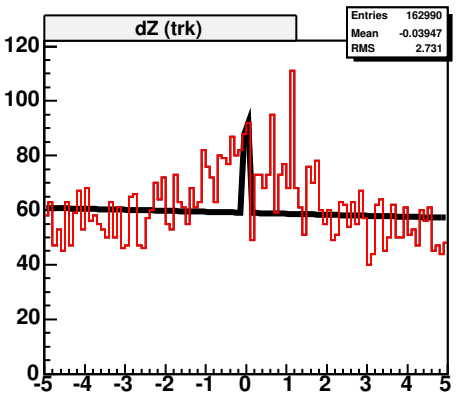


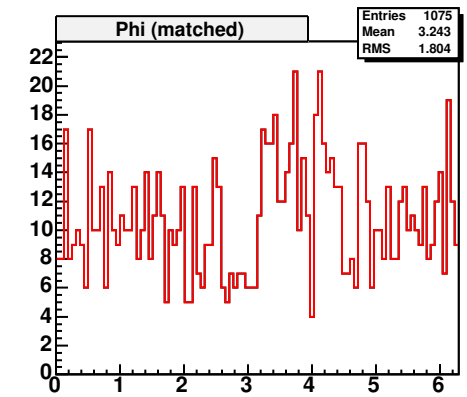


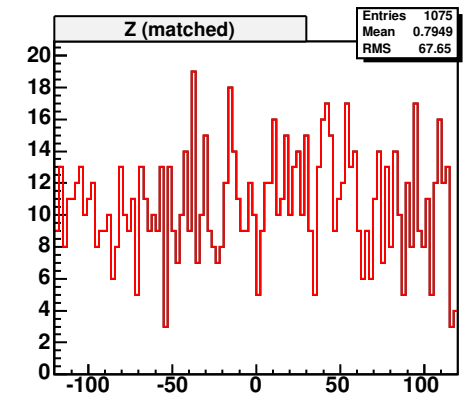




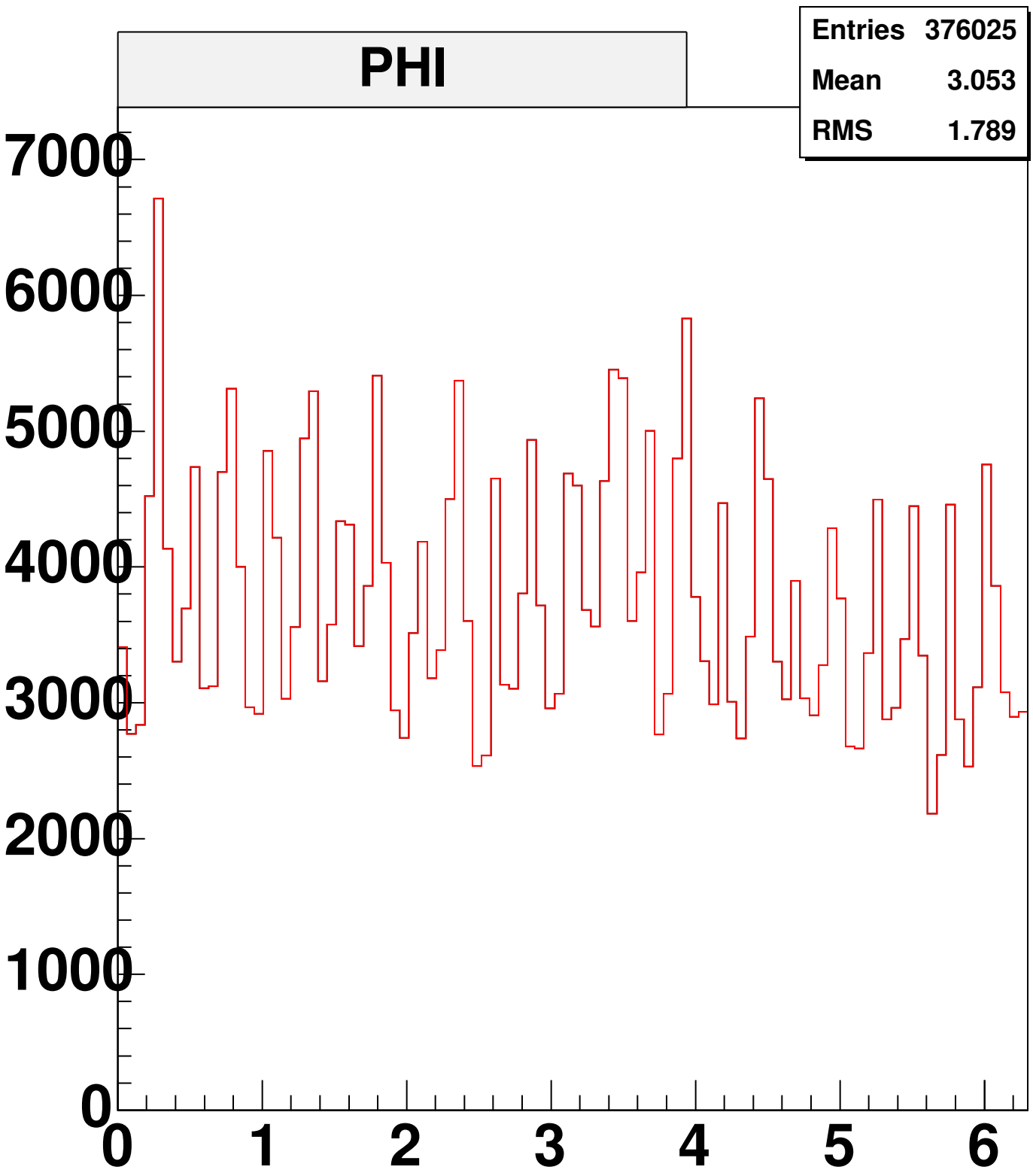








CPS Clusters (All Clusters)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Entries 376025
Mean 3.053
RMS 1.789
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4000
3000
2000
1000
0
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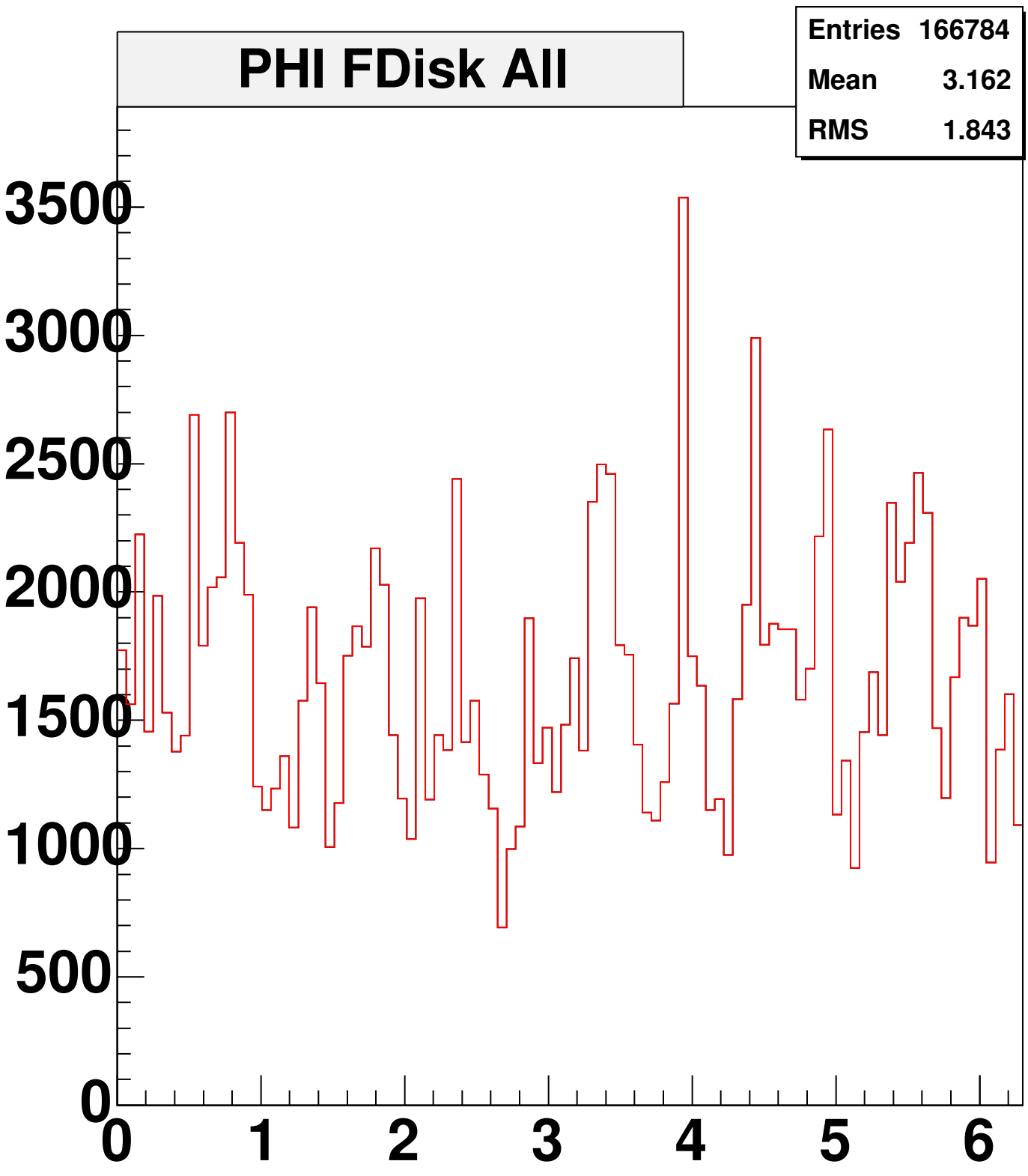
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 166784
Mean 3.162
RMS 1.843
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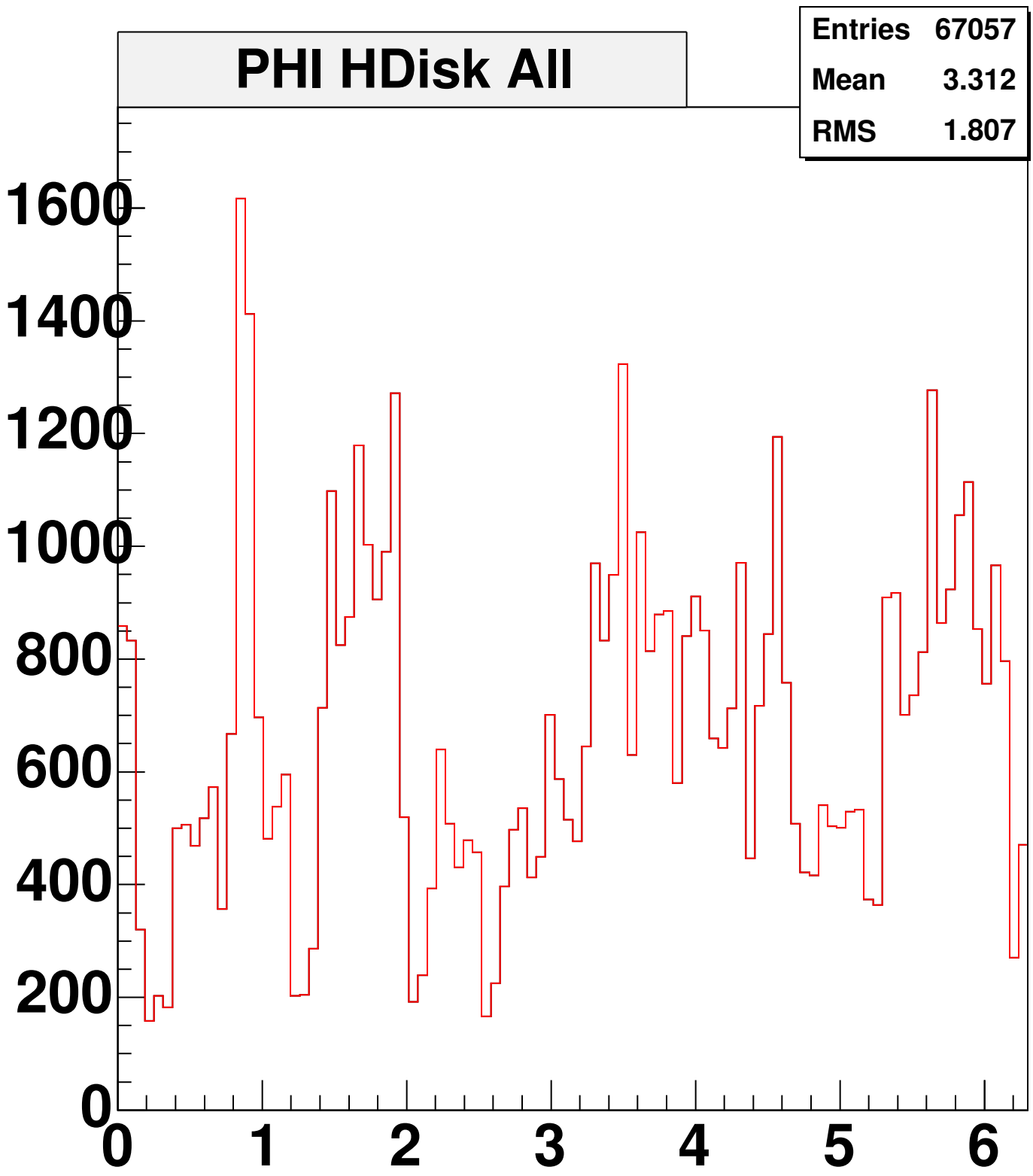
3
4
5
6
SmtClusters (allFDiskClusters)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Mean 3.312
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1400
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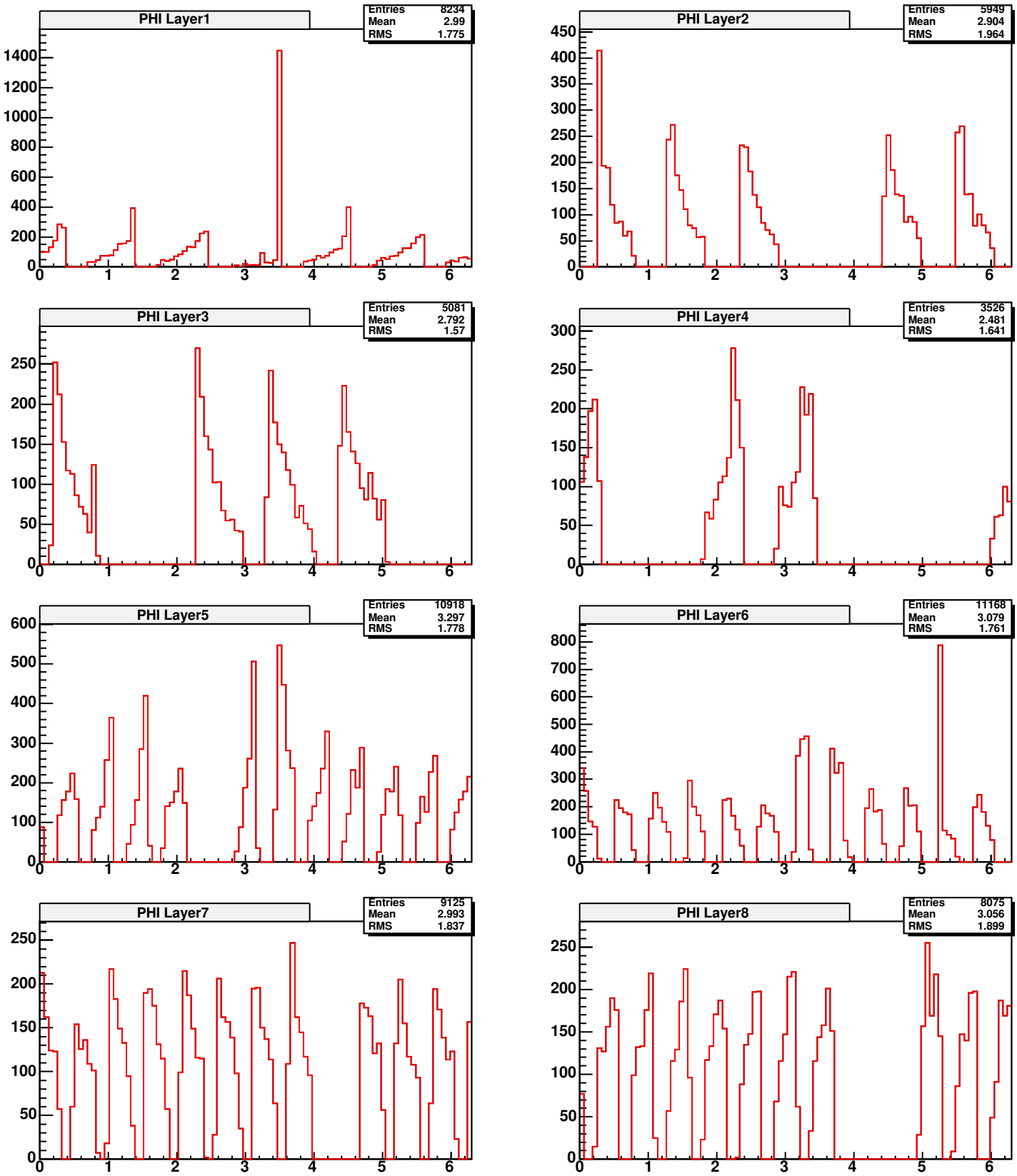
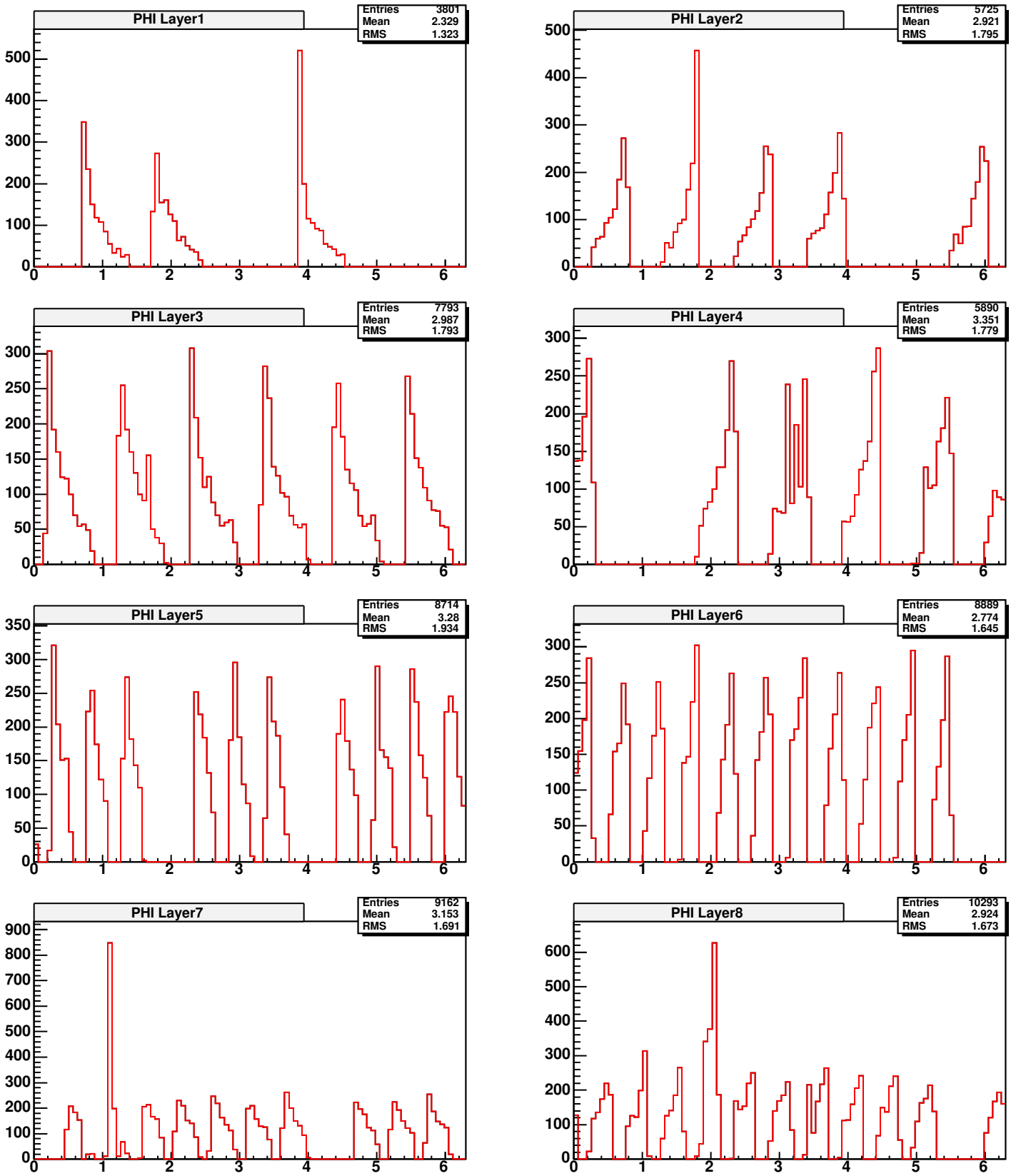
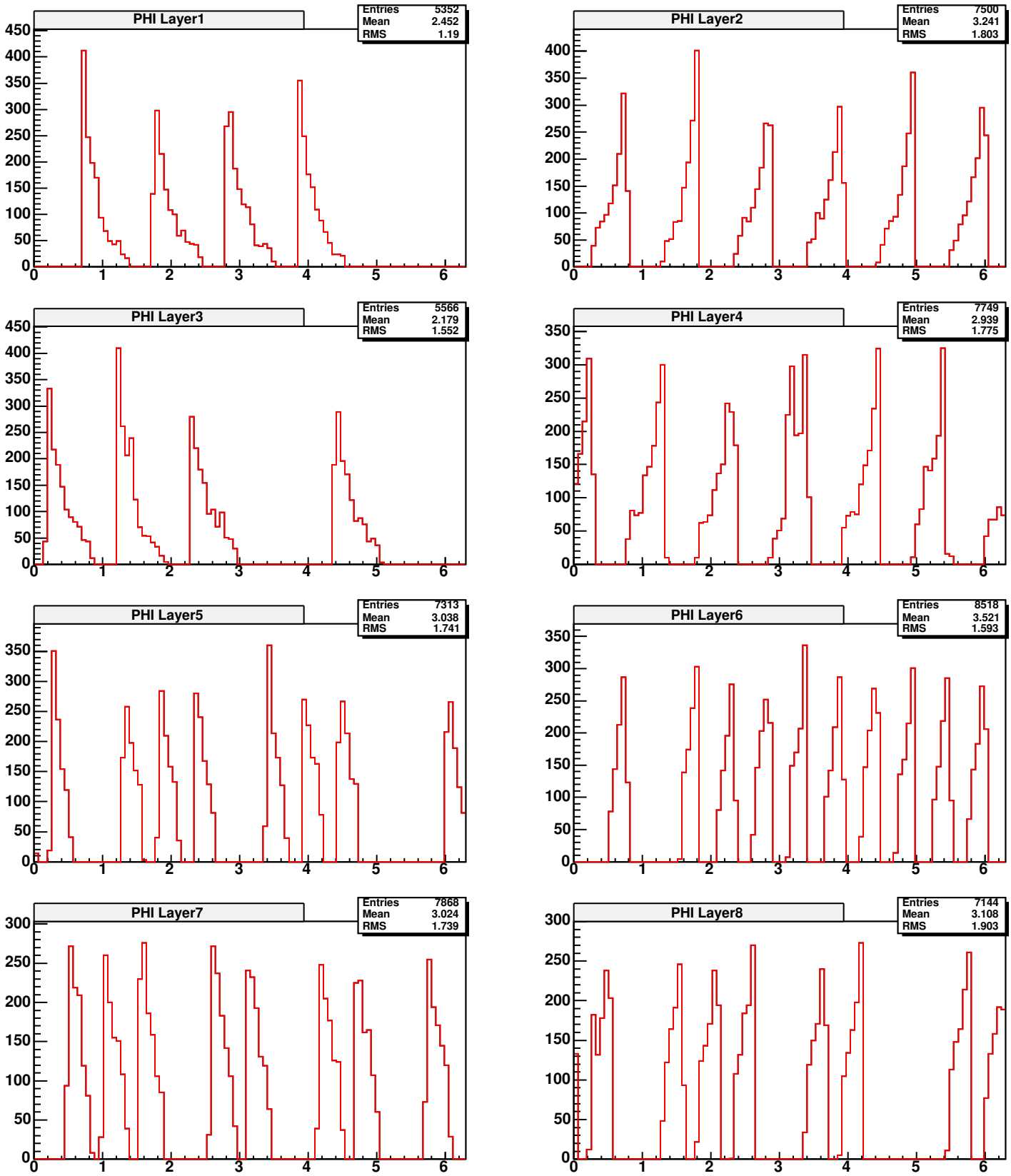
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



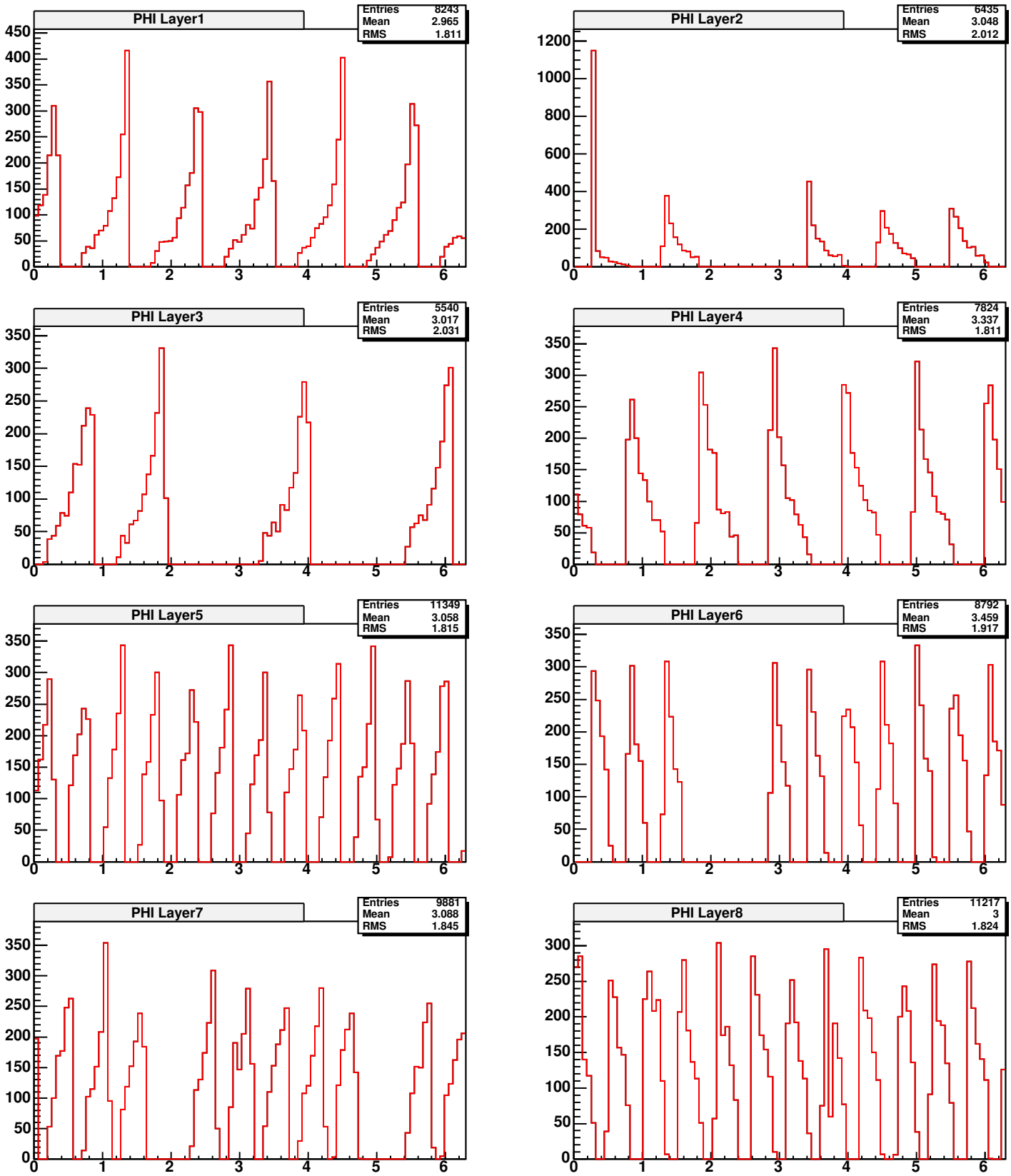
SmtClusters (ClustrBar1)



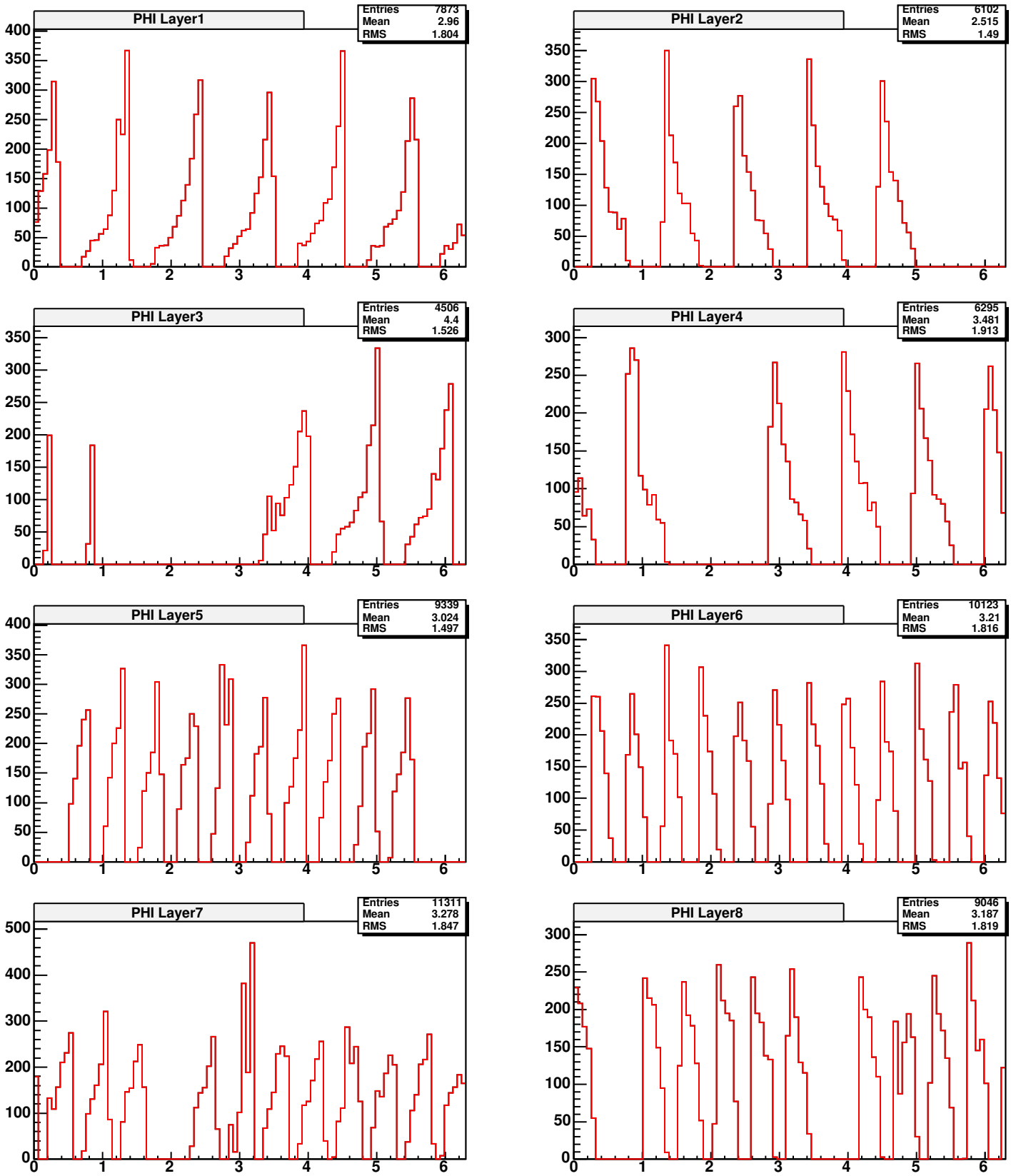
SmtClusters (ClustrBar2)



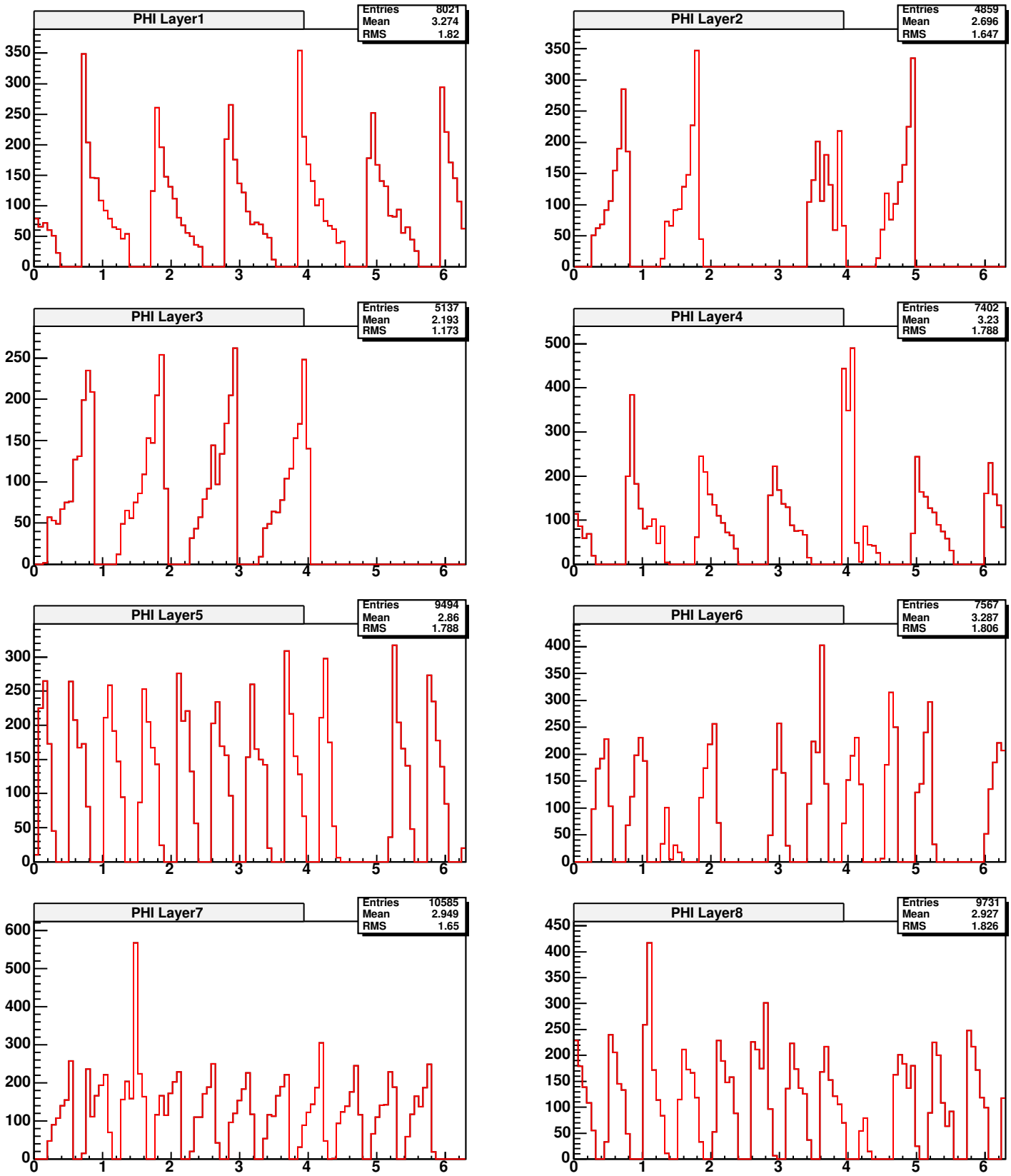
SmtClusters (ClustrBar3)



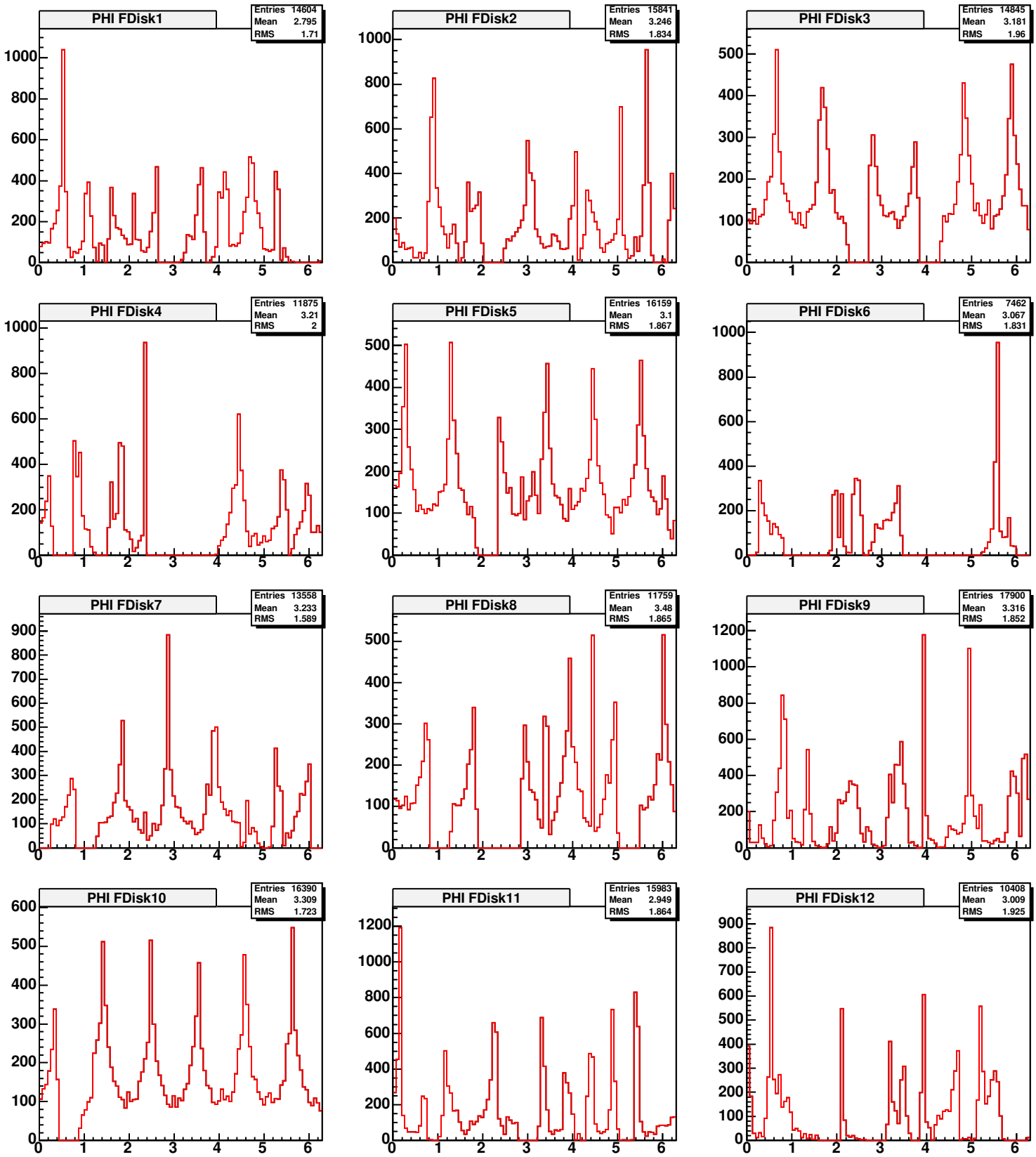
SmtClusters (ClustrBar4)



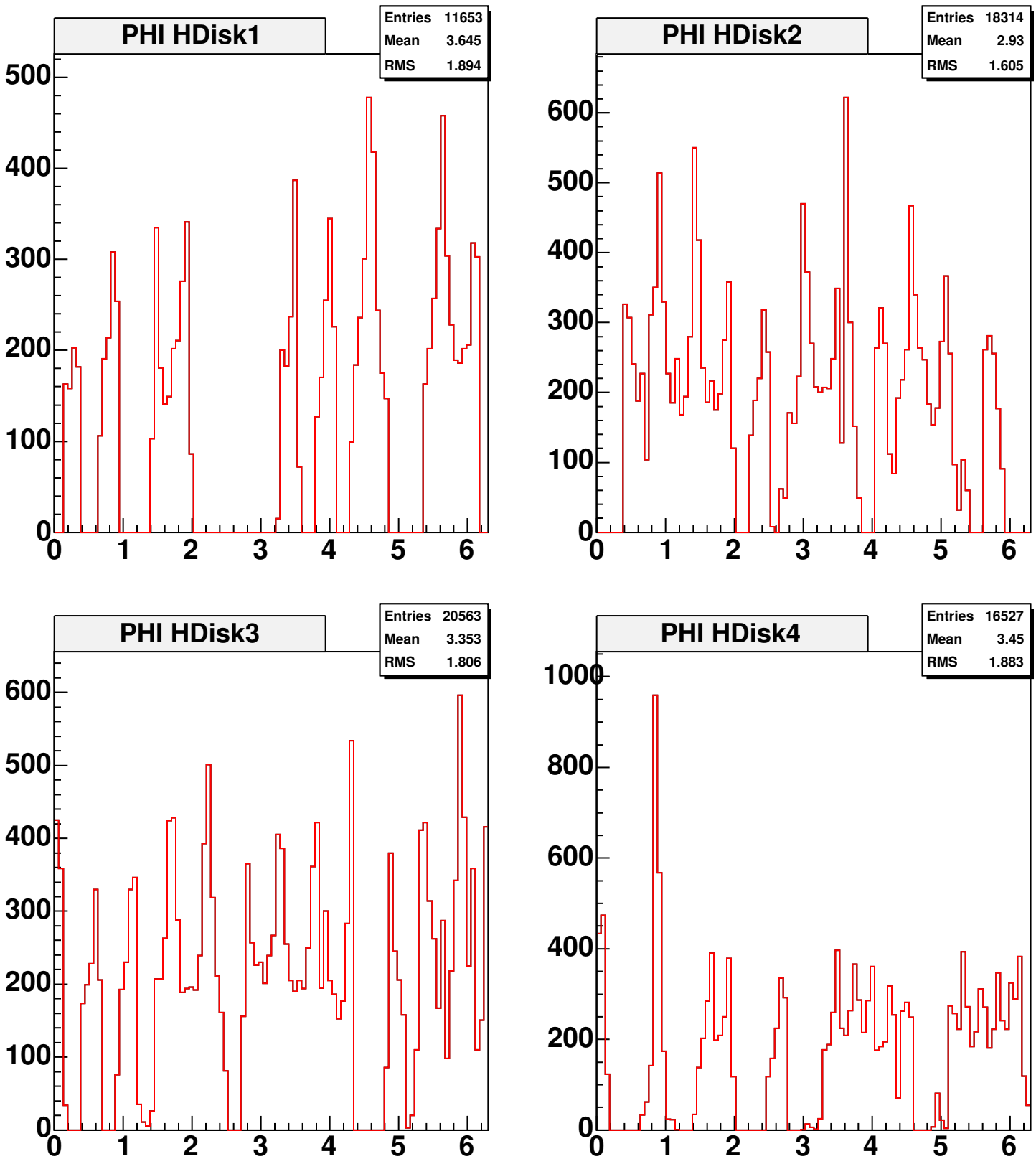
SmtClusters (ClustrBar5)

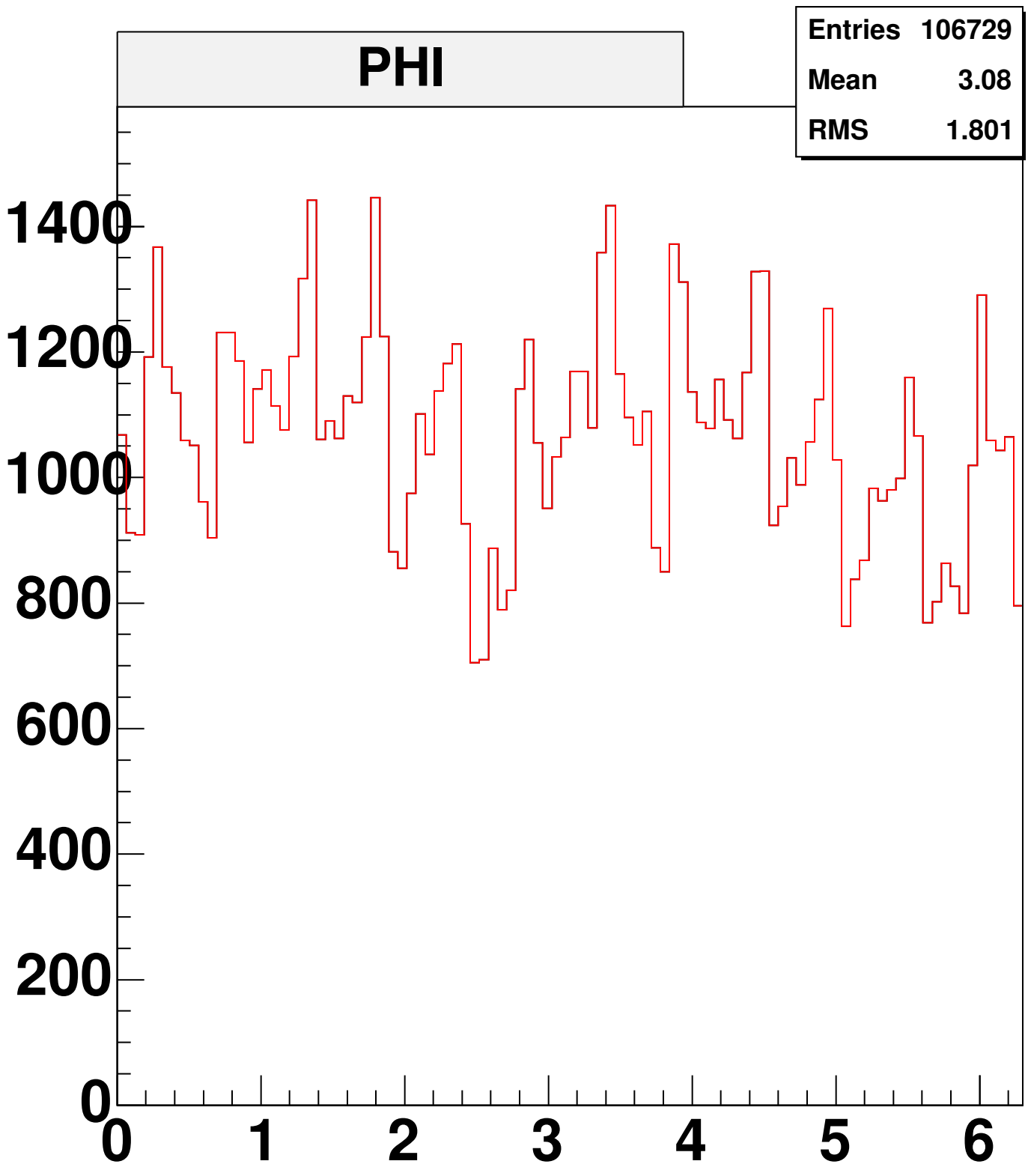


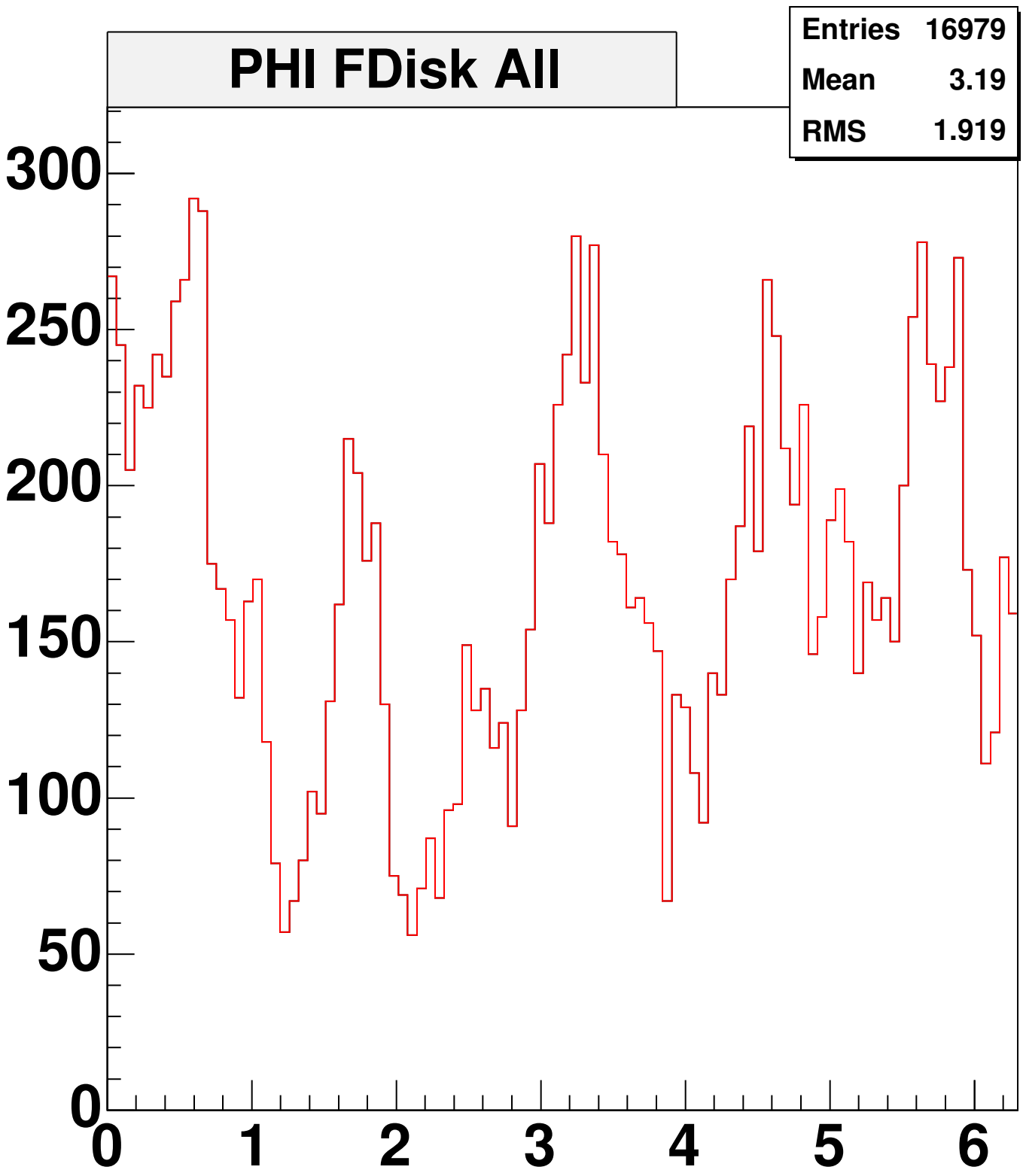
SmtClusters (ClustrBar6)

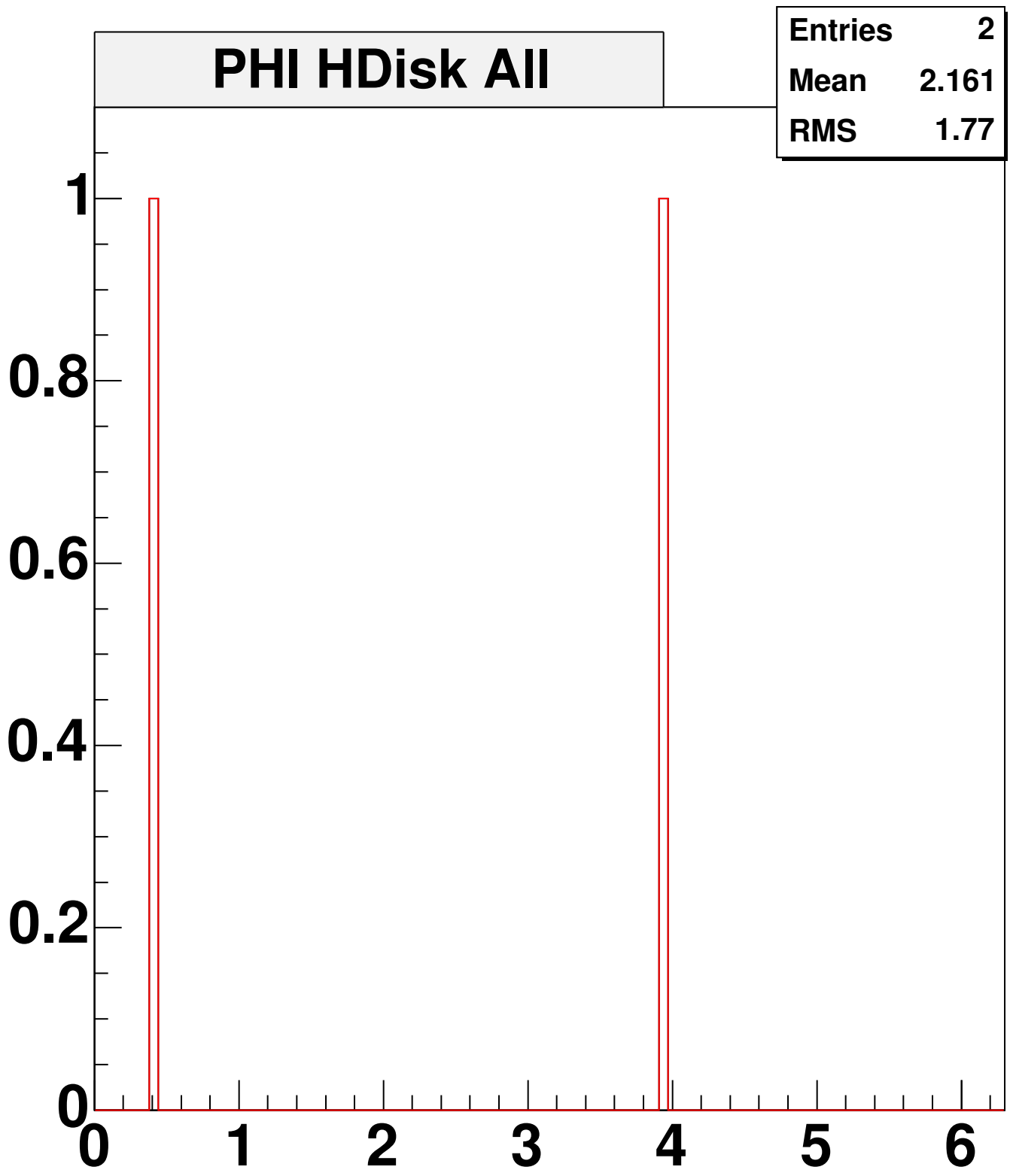


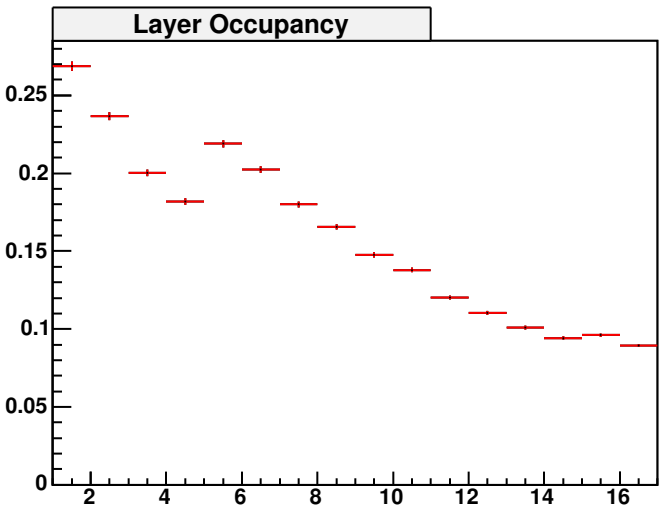
SmtClusters (FDiskClusters)

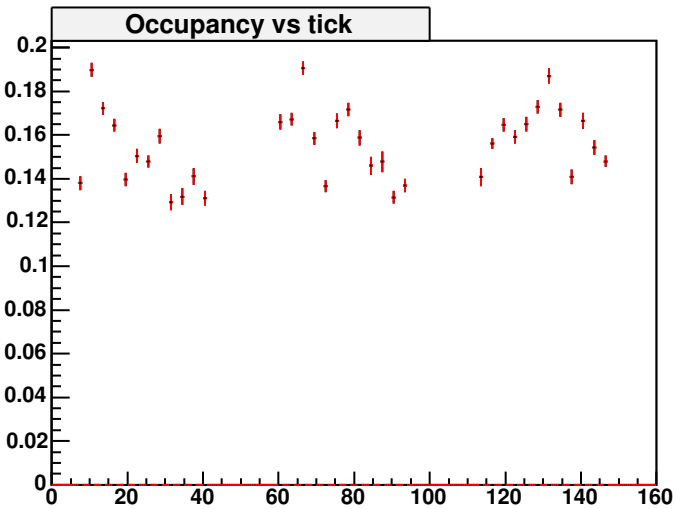

PHI HDisk1
Entries 11653
Mean 3.645
RMS 1.894
PHI HDisk2
Entries 18314
Mean 2.93
RMS 1.605
PHI HDisk3
Entries 20563
Mean 3.353
RMS 1.806
PHI HDisk4
Entries 16527
Mean 3.45
RMS 1.883
SmtClusters (HDiskClusters)

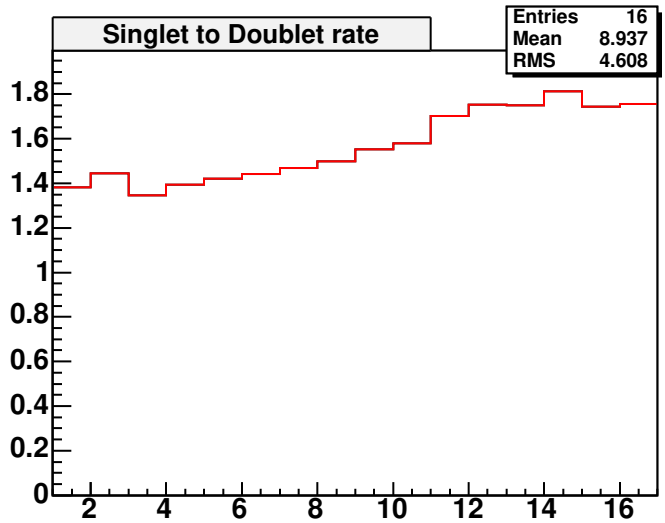

PHI
Entries 106729
Mean 3.08
RMS 1.801
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

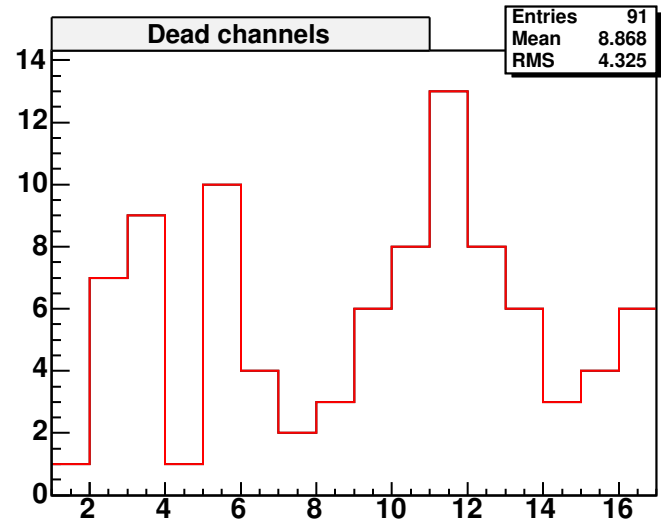

PHI FDisk All
Entries 16979
Mean 3.19
RMS 1.919
300
250
200
150
100
50
0
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

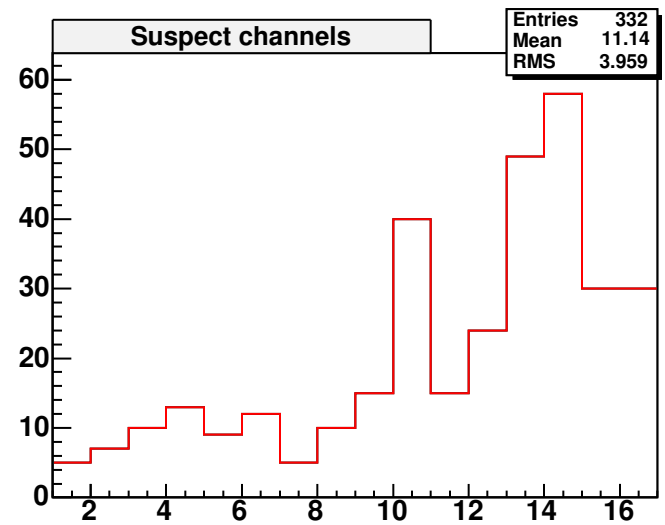

PHI HDisk All
Entries 2
Mean 2.161
RMS 1.77
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

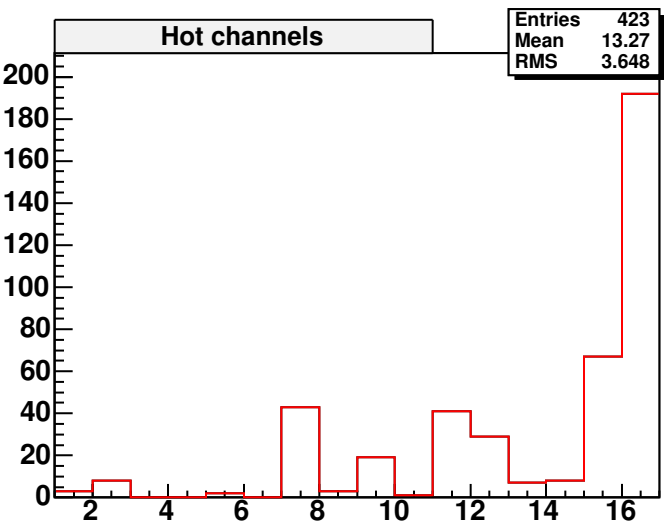




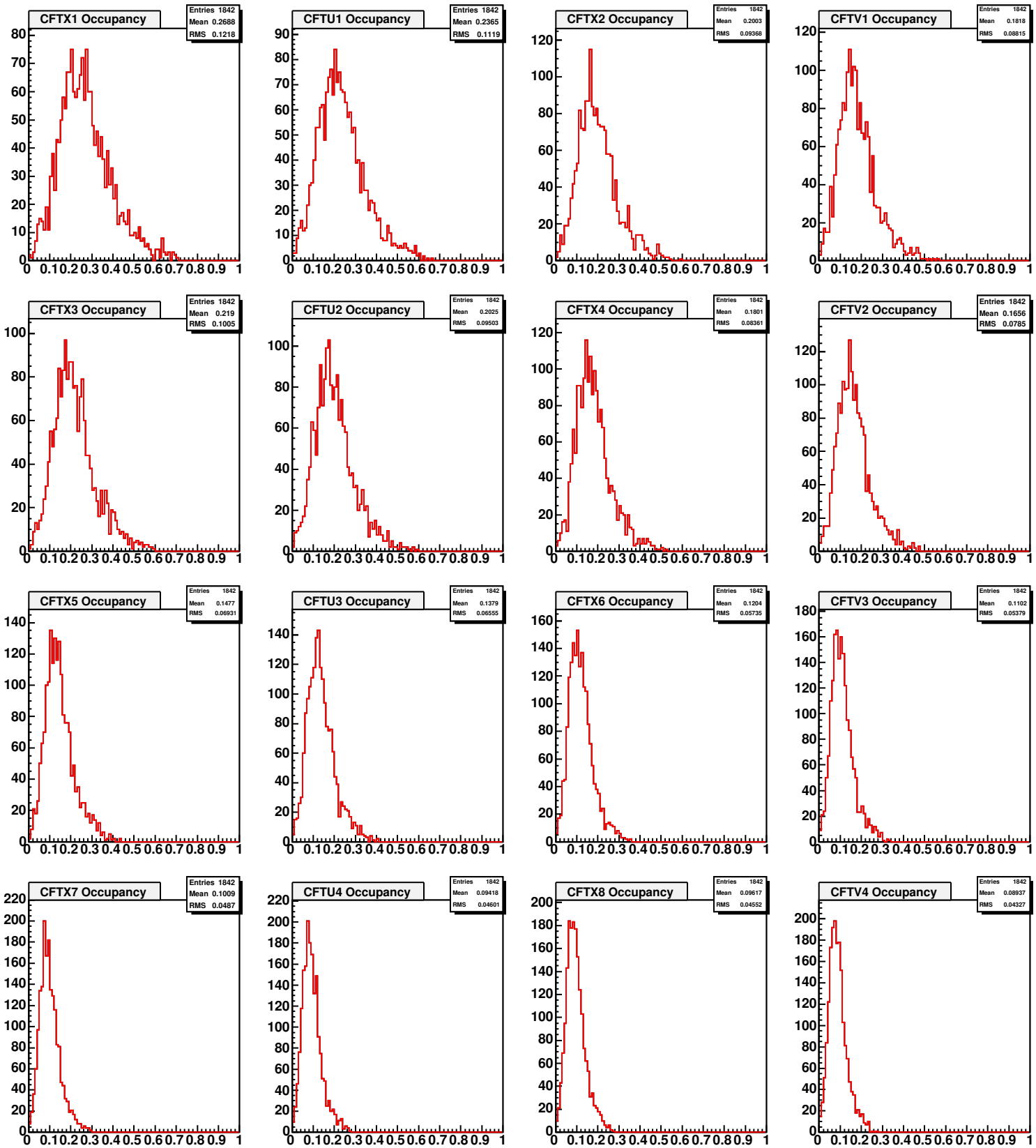




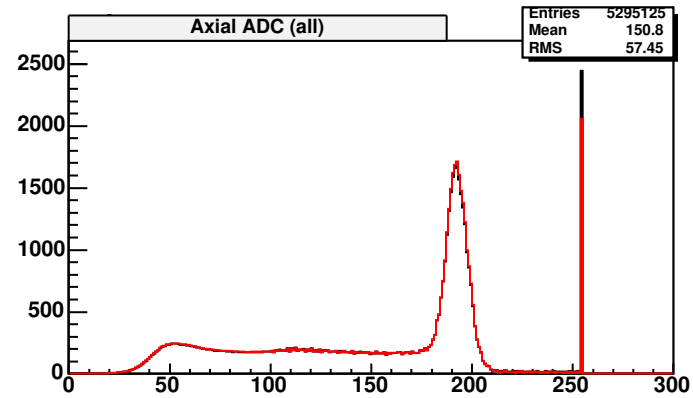


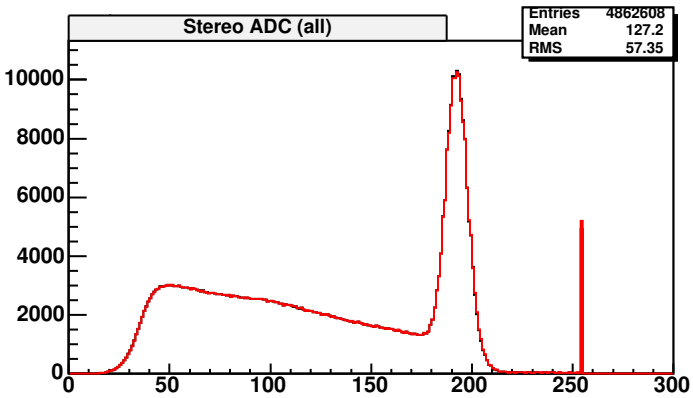


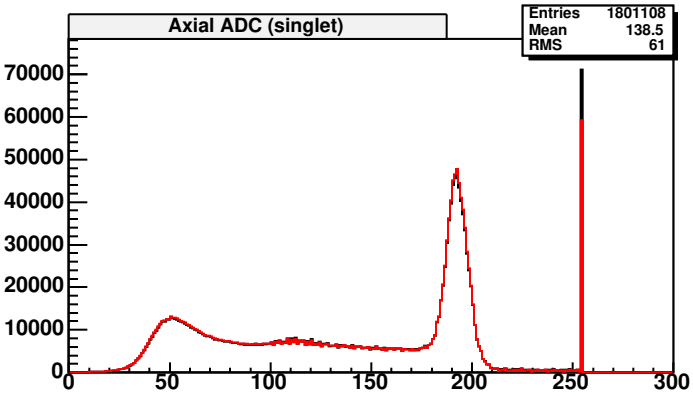
CFT Summary (All Clusters)

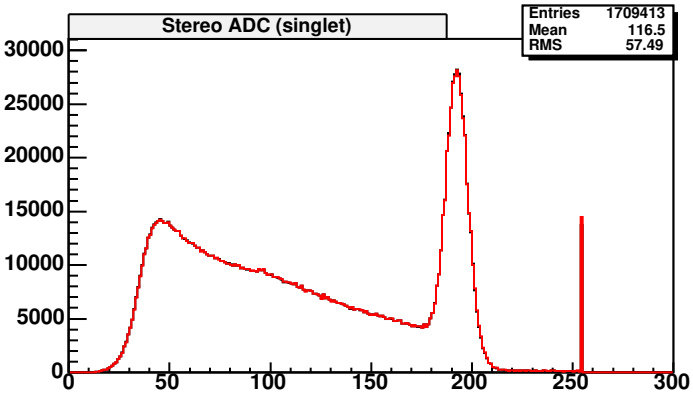


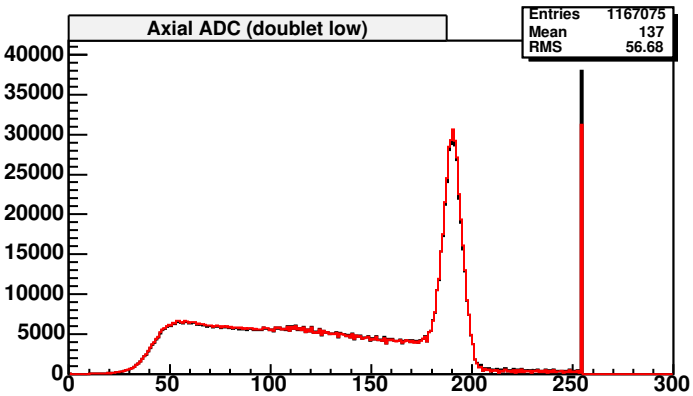
Cft Occupancy (All Clusters)

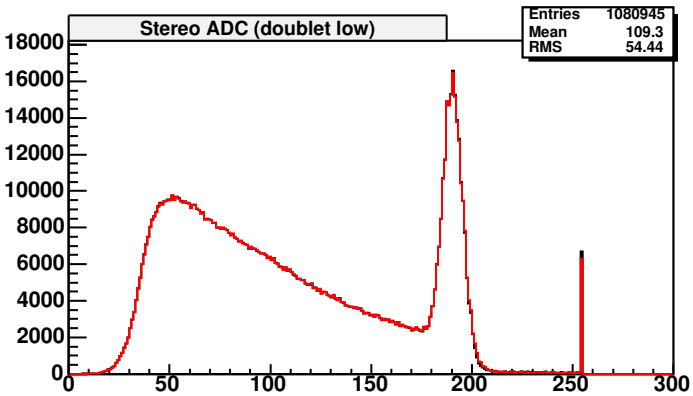


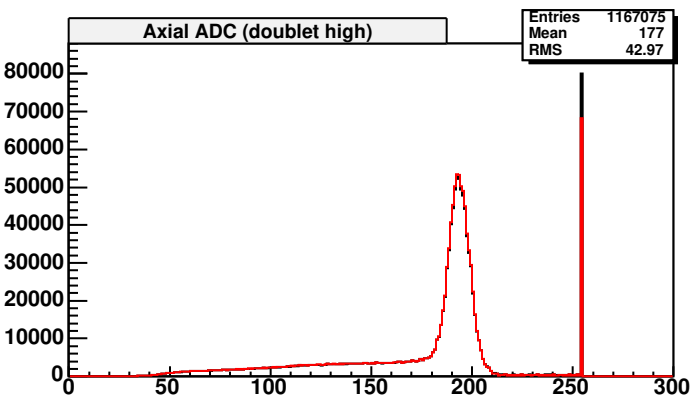


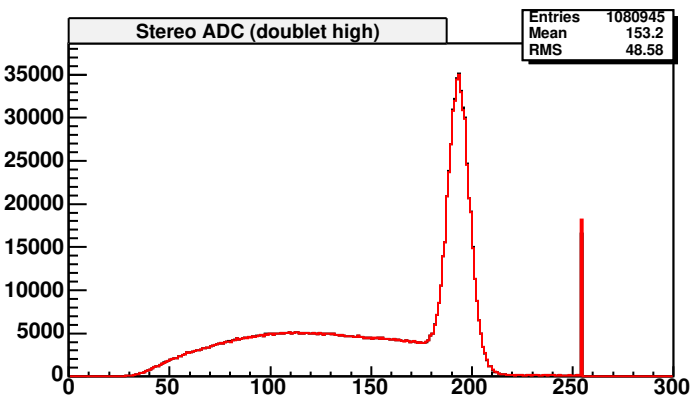




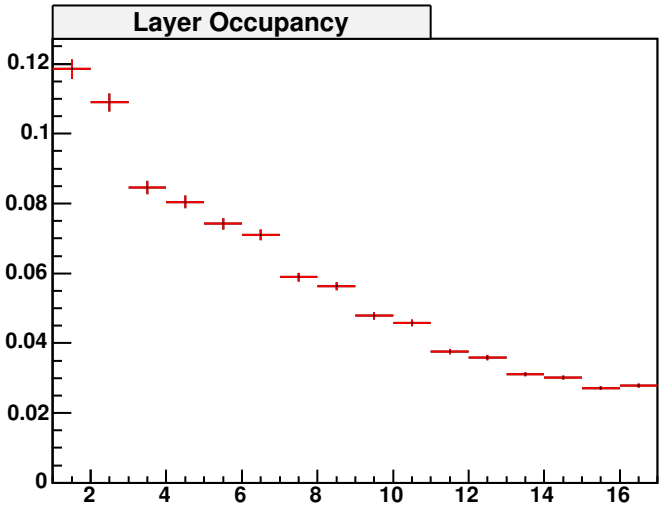


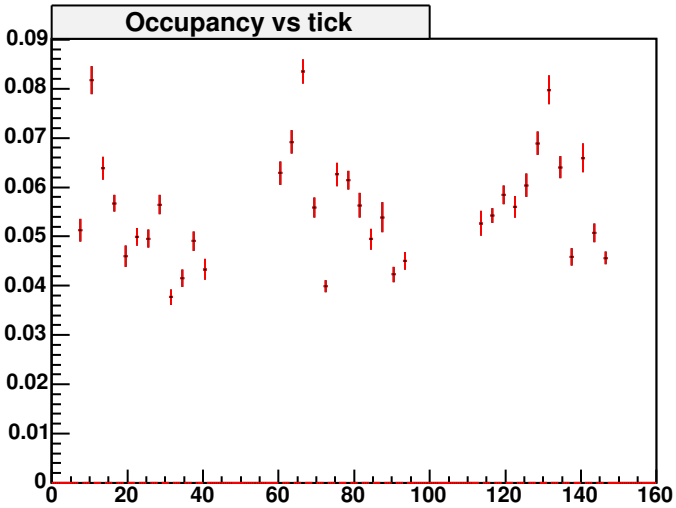


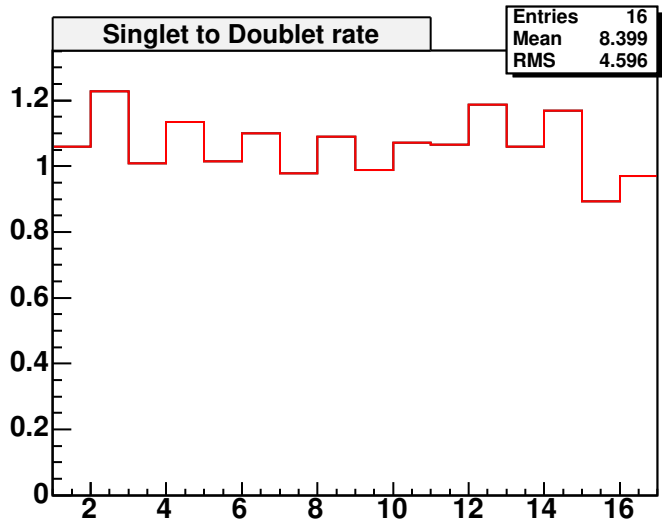


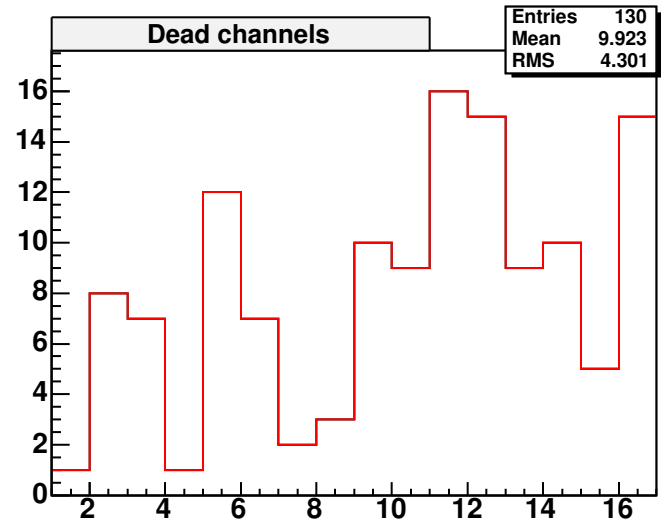


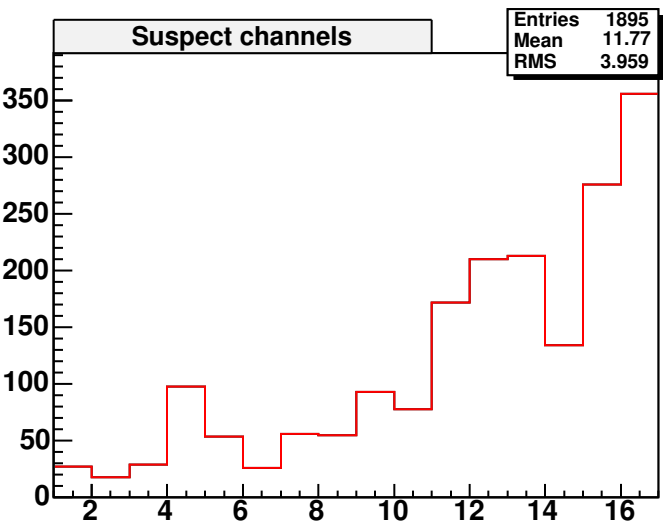
CFT ADC Summary (All Clusters)

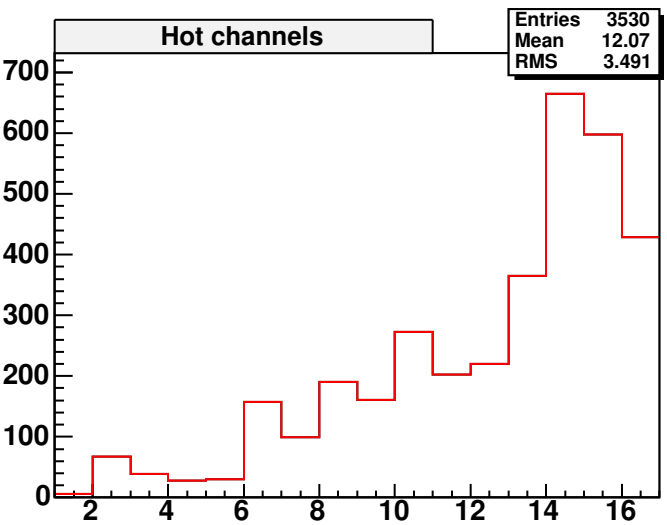




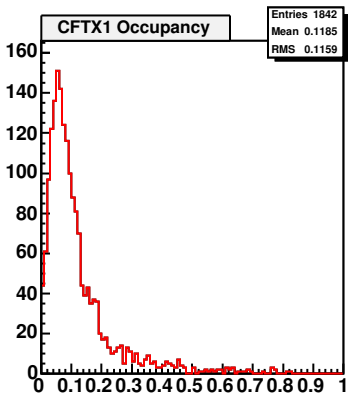


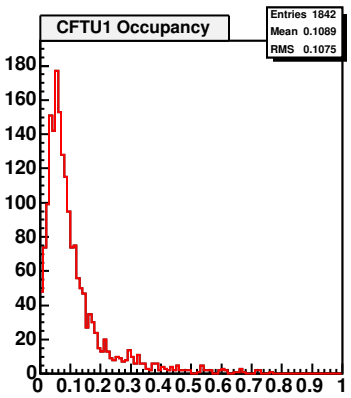


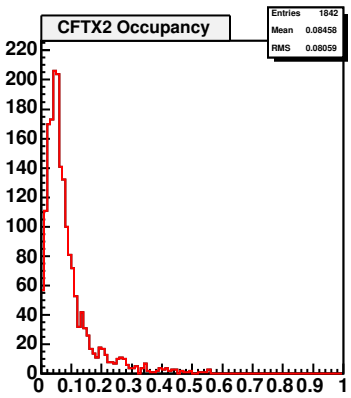


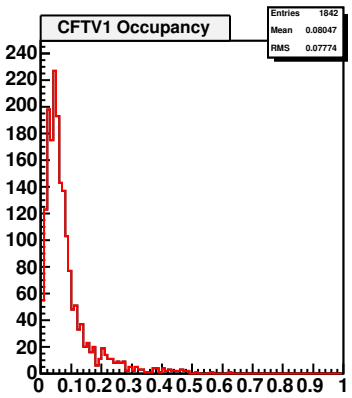


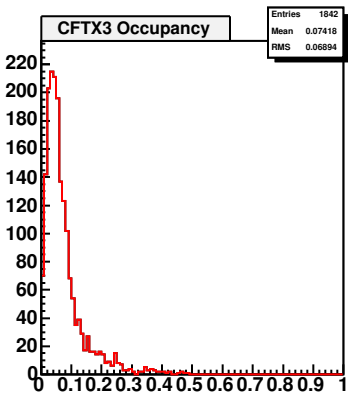
CFT Summary (Clusters on tracks)

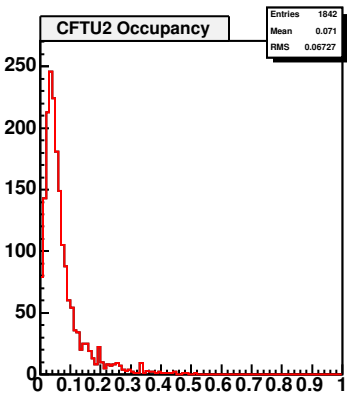


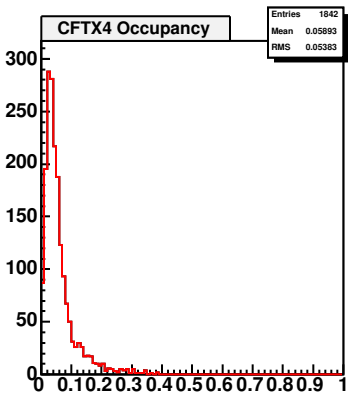


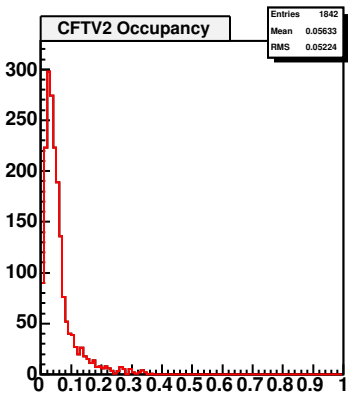


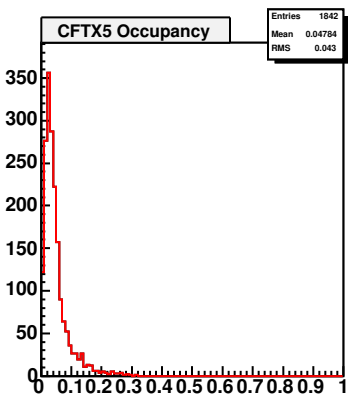


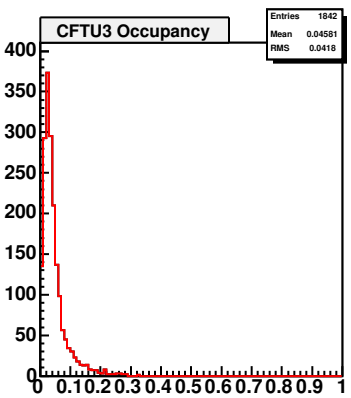


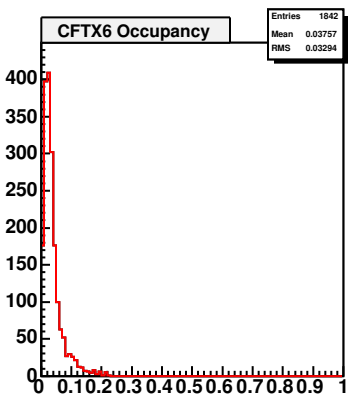


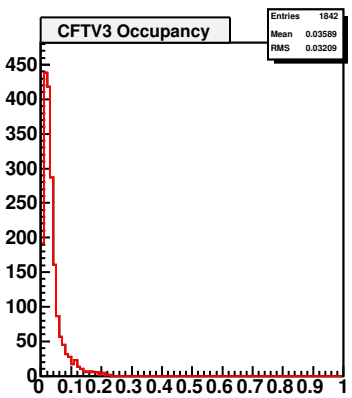


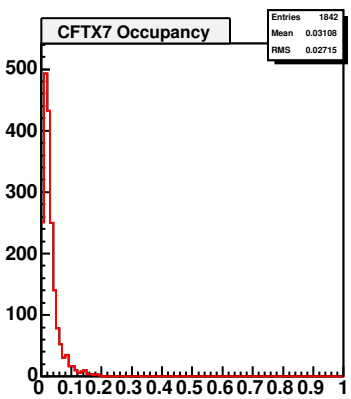


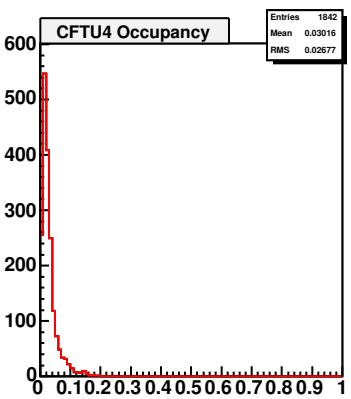


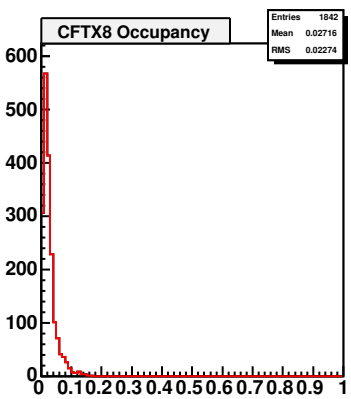


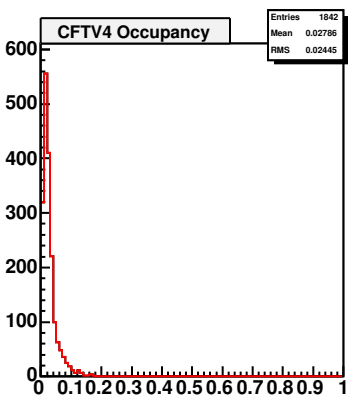




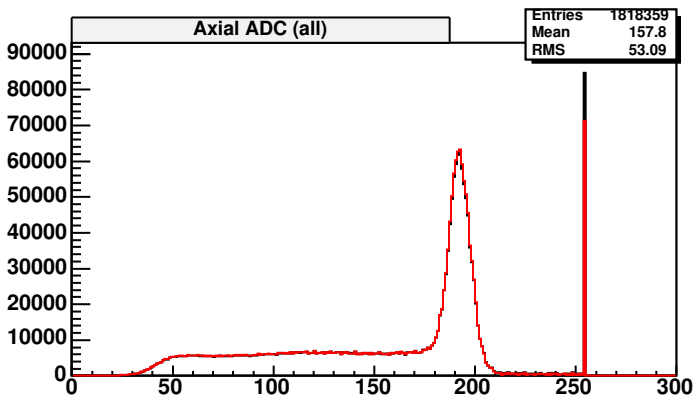


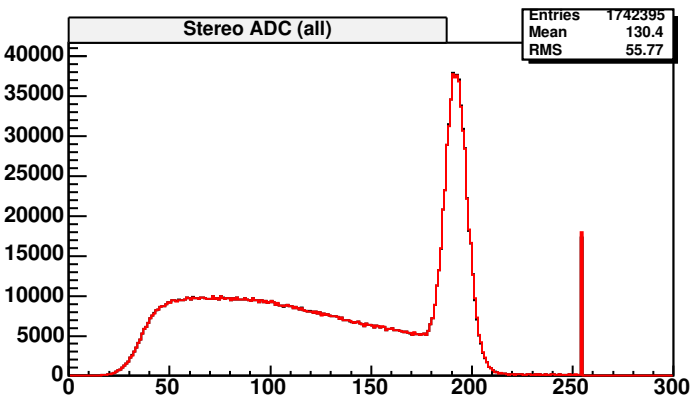


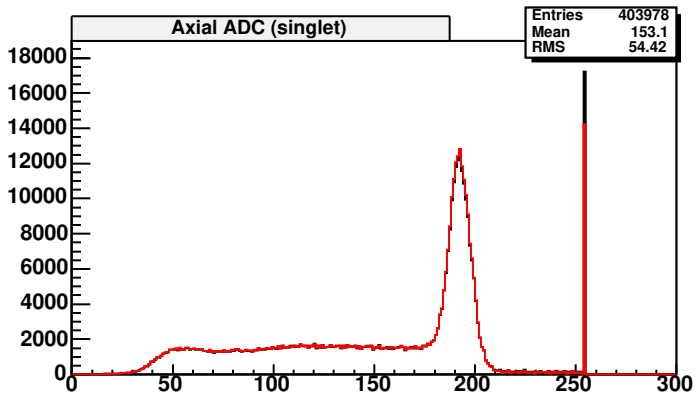


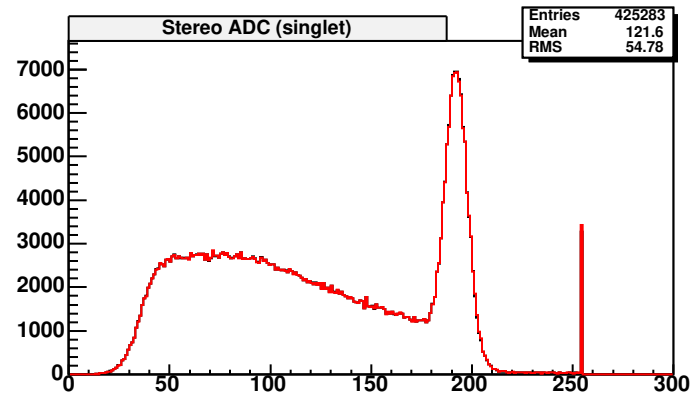


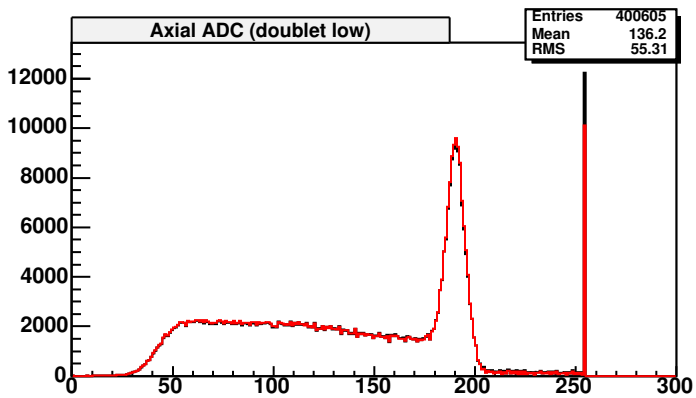
Cft Occupancy (Clusters on tracks)

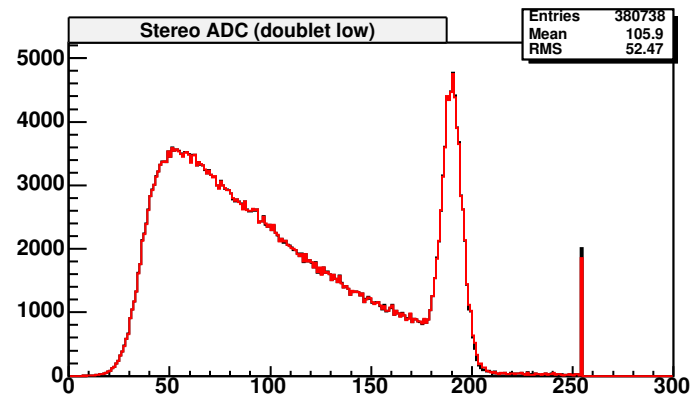


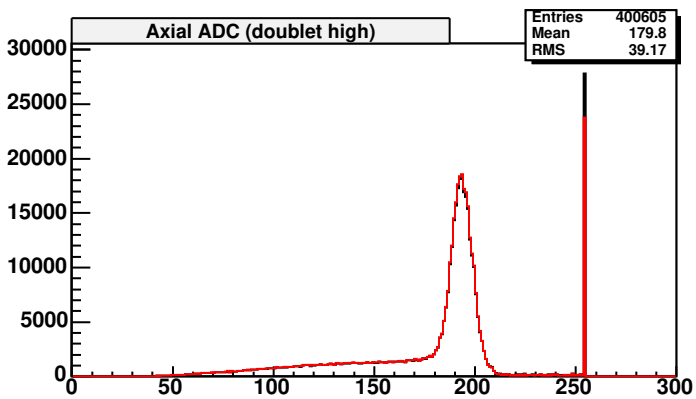


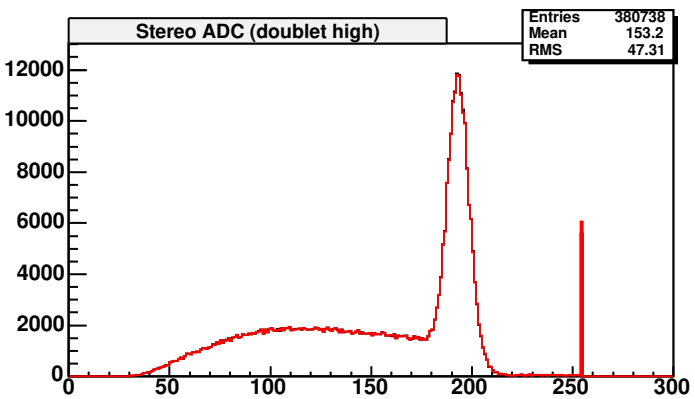




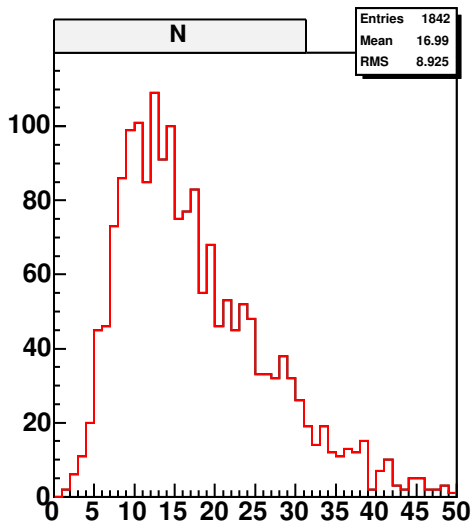








CFT ADC Summary (Clusters on tracks)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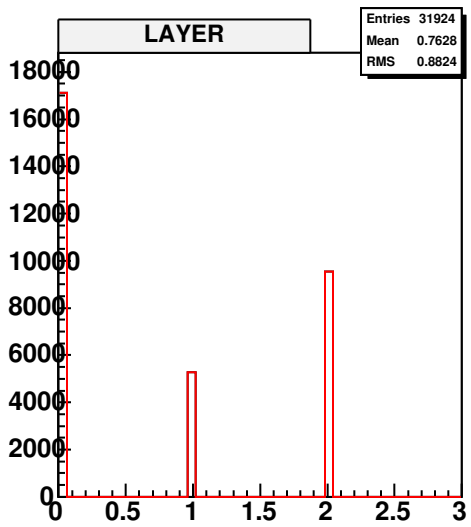
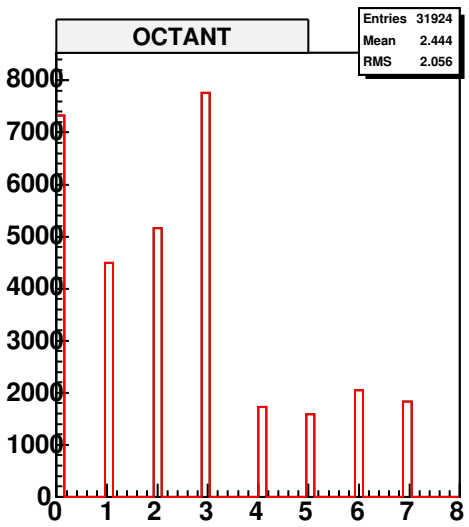
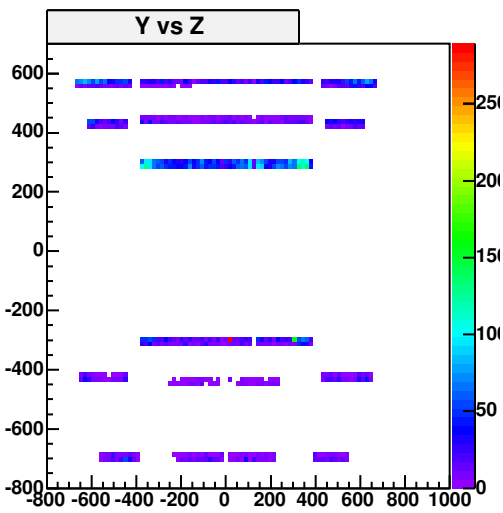
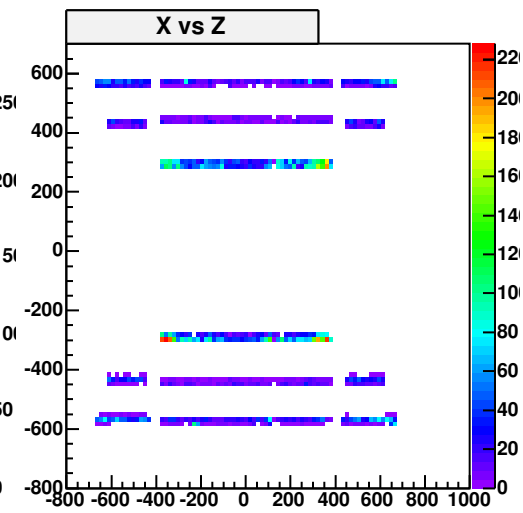
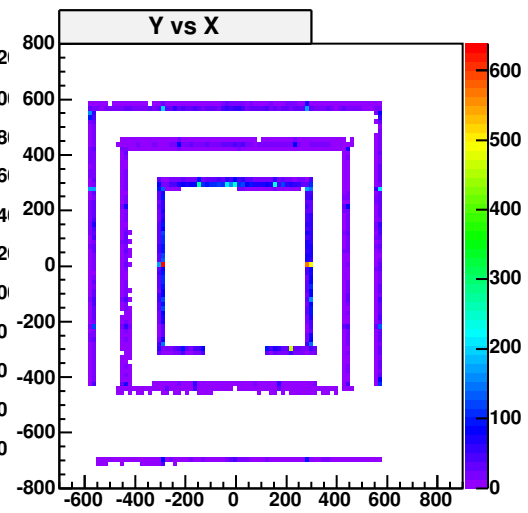
Entries 1842
Mean 16.99
RMS 8.925

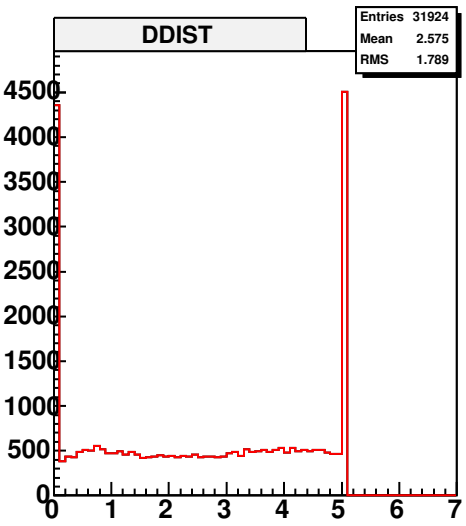

LAYER
Entries 31924
Mean 0.7628
RMS 0.8824

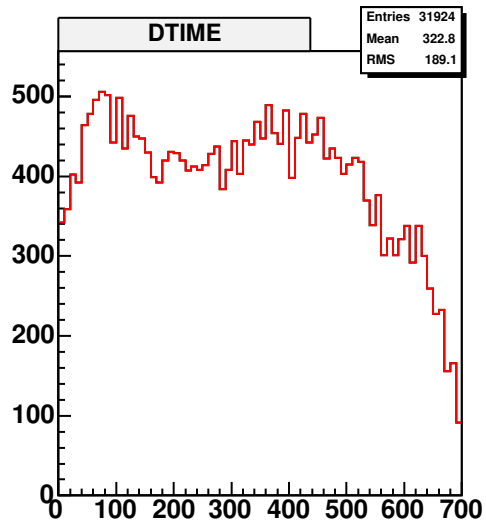

OCTANT
Entries 31924
Mean 2.444
RMS 2.056


Y vs Z

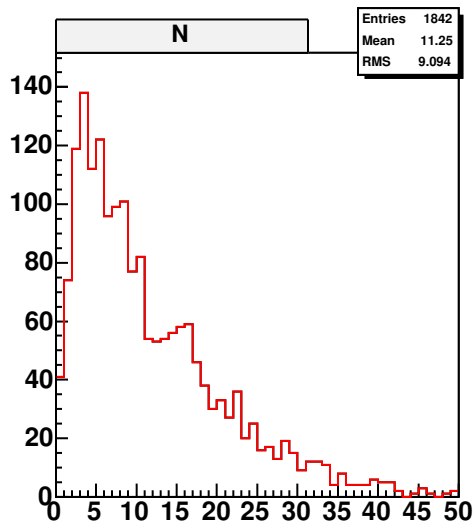

X vs Z

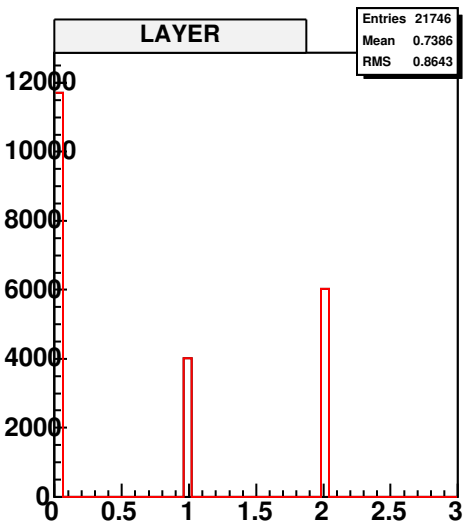

Y vs X

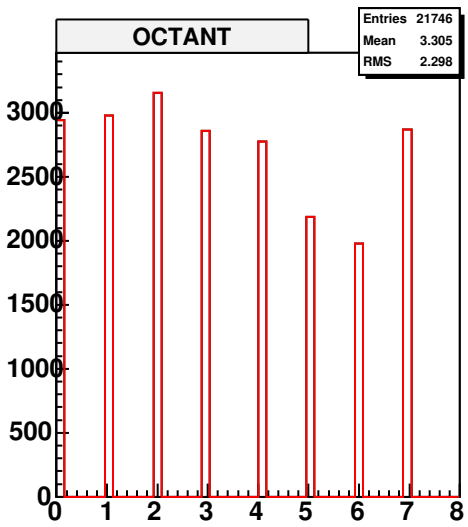

DDIST
Entries 31924
Mean 2.575
RMS 1.789

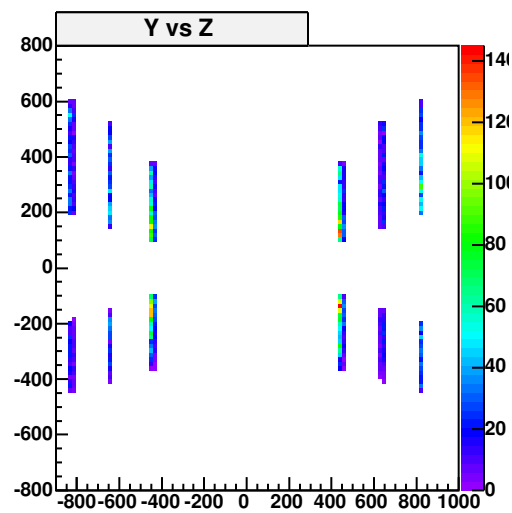

DTIME
Entries 31924
Mean 322.8
RMS 189.1

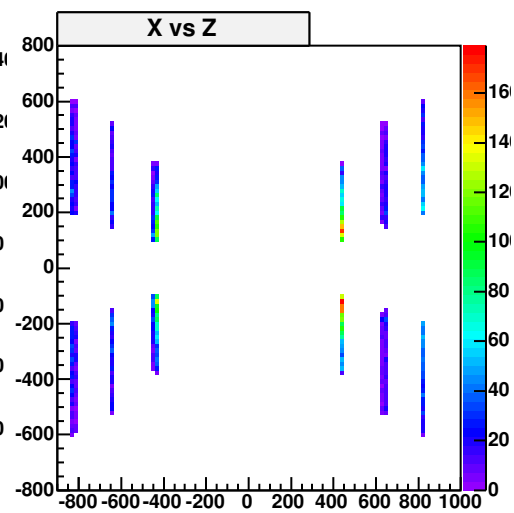
MuonPDT (All)

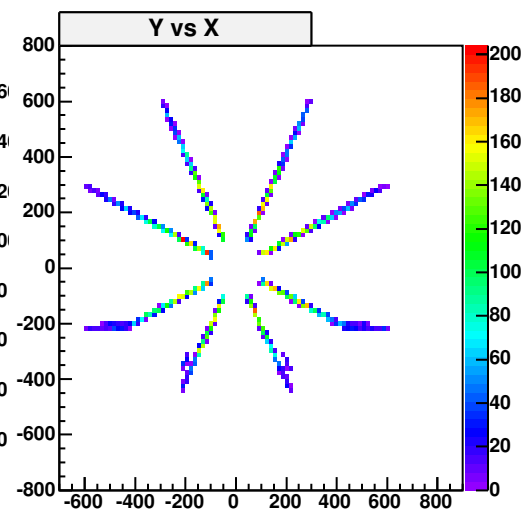

N
Entries 1842
Mean 11.25
RMS 9.094

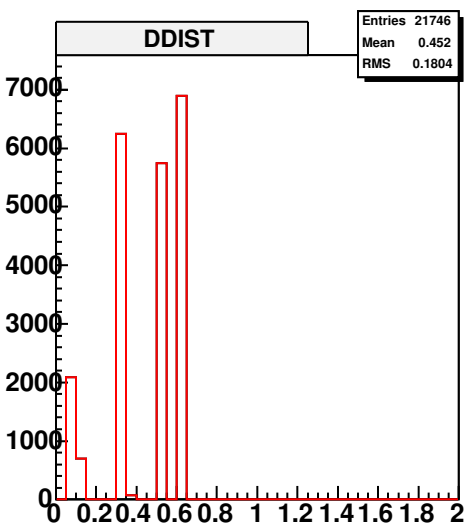

LAYER
Entries 21746
Mean 0.7386
RMS 0.8643

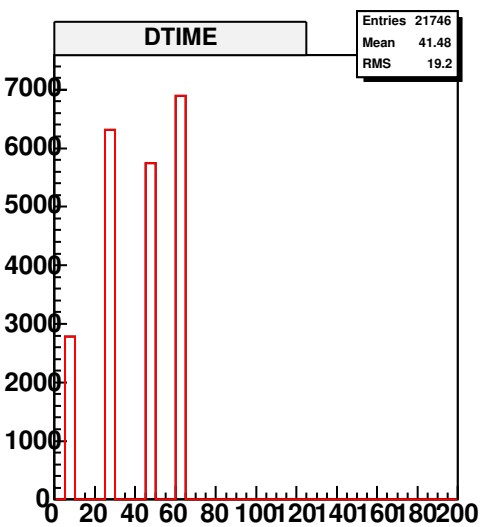

OCTANT
Entries 21746
Mean 3.305
RMS 2.298


Y vs Z

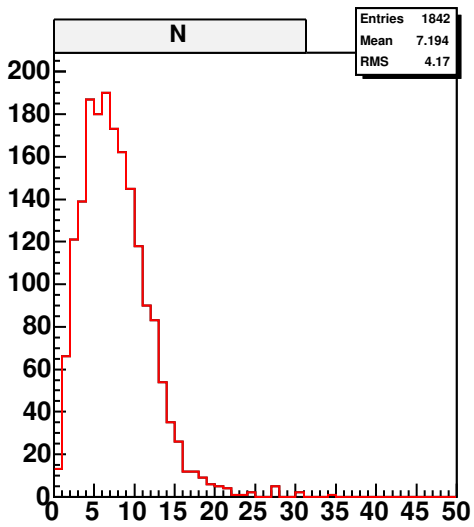

X vs Z

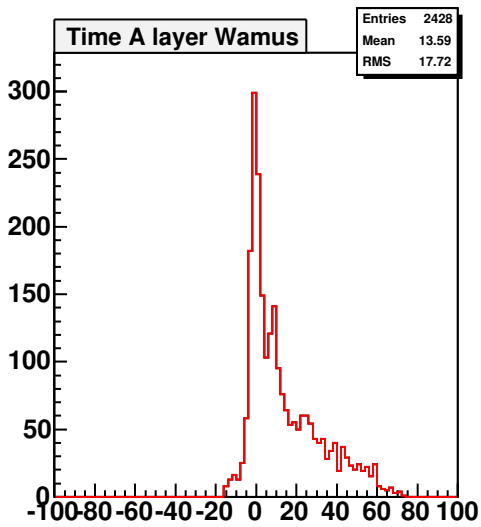

Y vs X

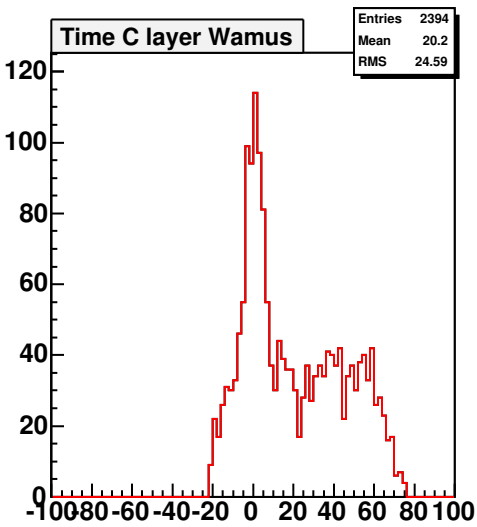

DDIST
Entries 21746
Mean 0.452
RMS 0.1804

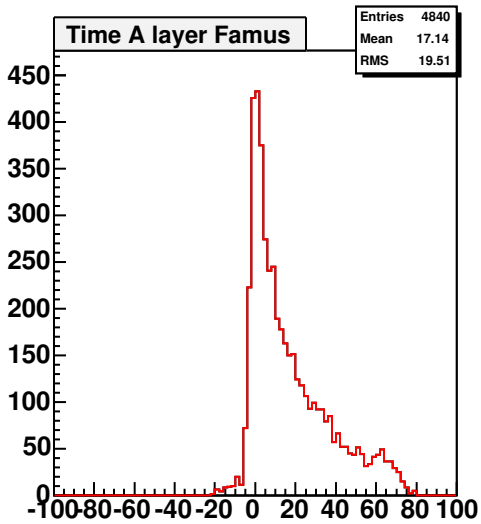

DTIME
Entries 21746
Mean 41.48
RMS 19.2

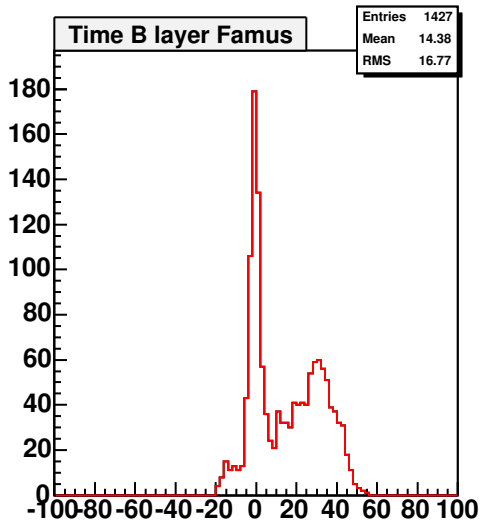
MuonMDT (All)

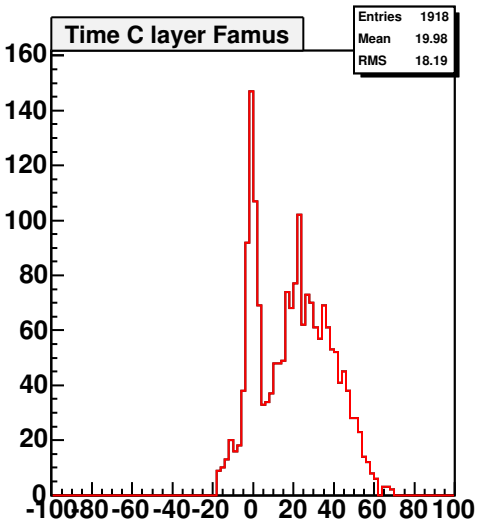

N
Entries 1842
Mean 7.194
RMS 4.17

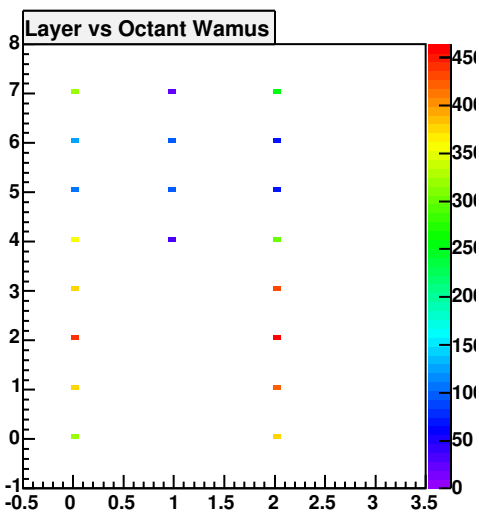

Time A layer Wamus
Entries 2428
Mean 13.59
RMS 17.72

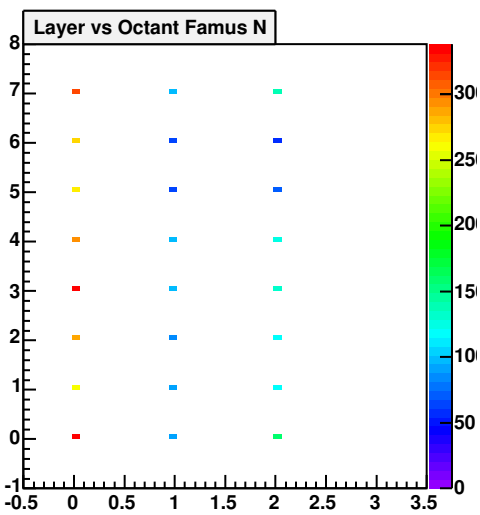

Time C layer Wamus
Entries 2394
Mean 20.2
RMS 24.59

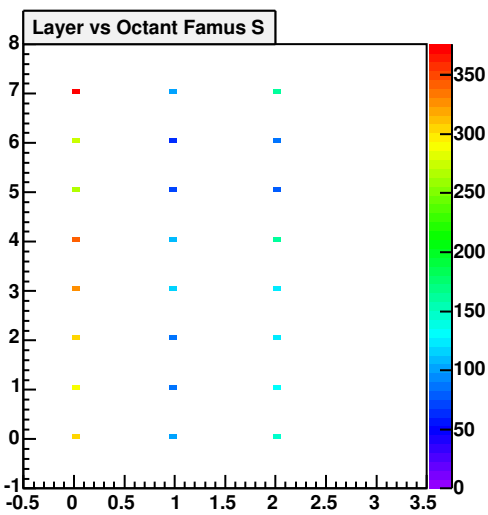

Time A layer Famus
Entries 4840
Mean 17.14
RMS 19.51


Time B layer Famus
Entries 1427
Mean 14.38
RMS 16.77

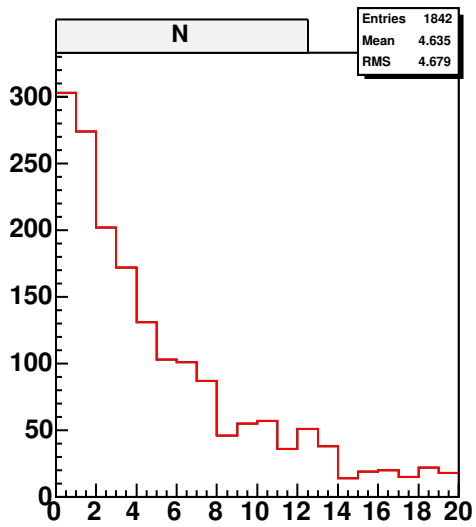

Time C layer Famus
Entries 1918
Mean 19.98
RMS 18.19

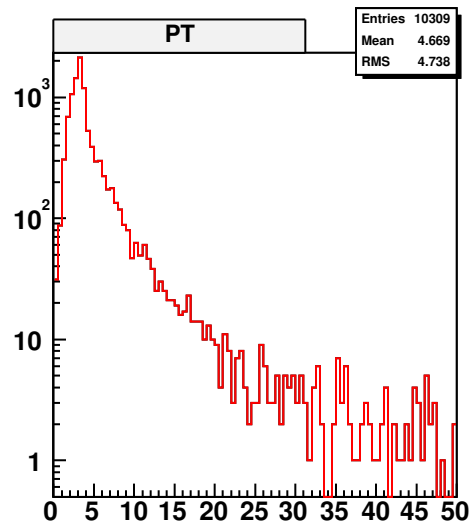

Layer vs Octant Wamus

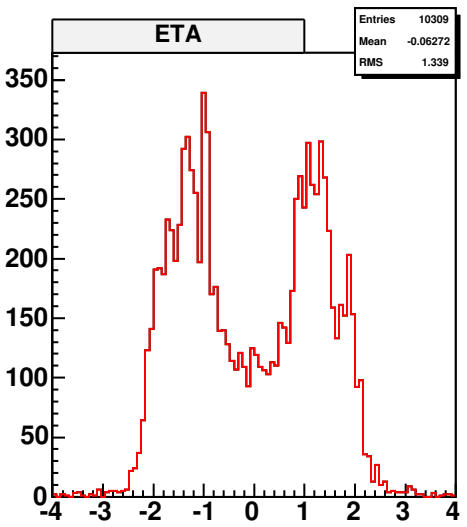

Layer vs Octant Famus N

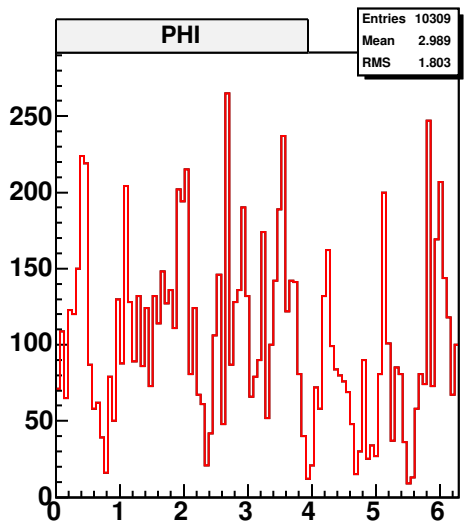

Layer vs Octant Famus S

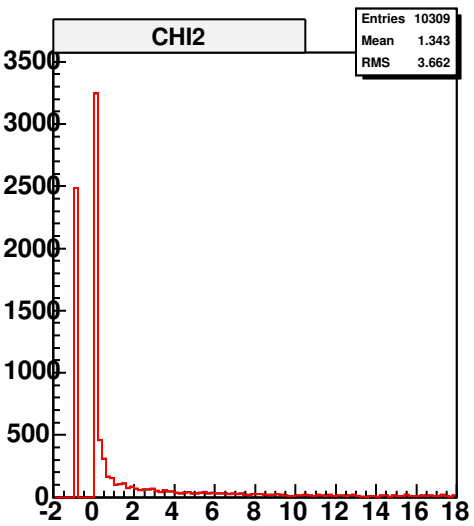
MuonMSC (All)

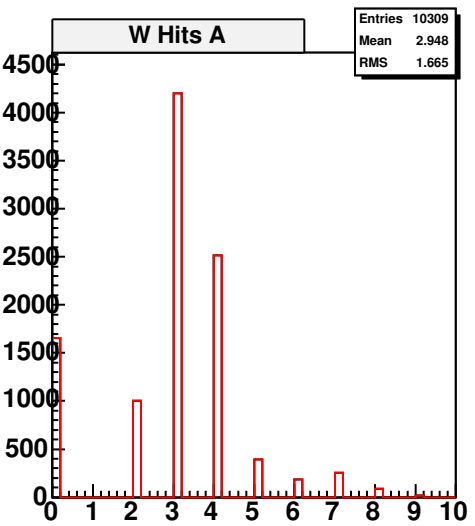


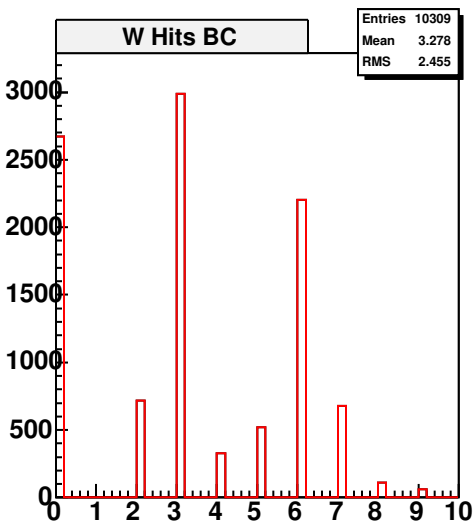


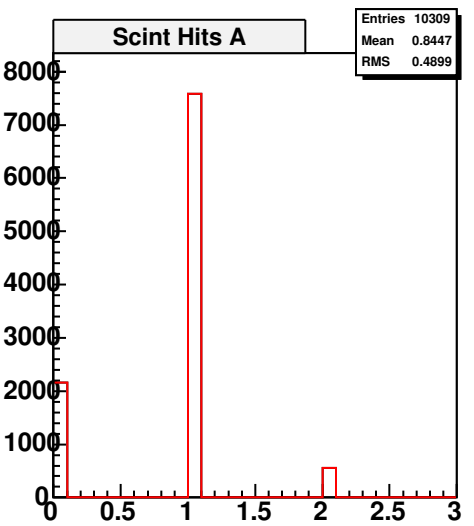


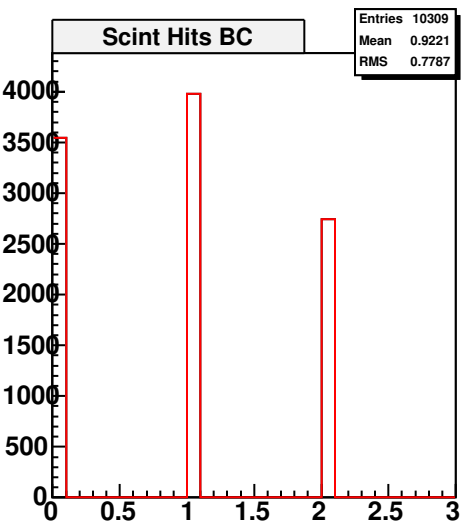




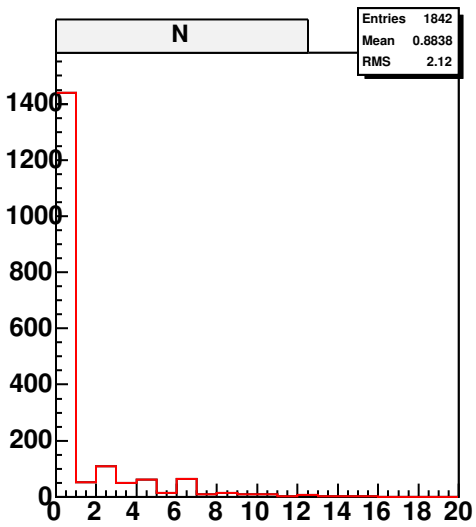


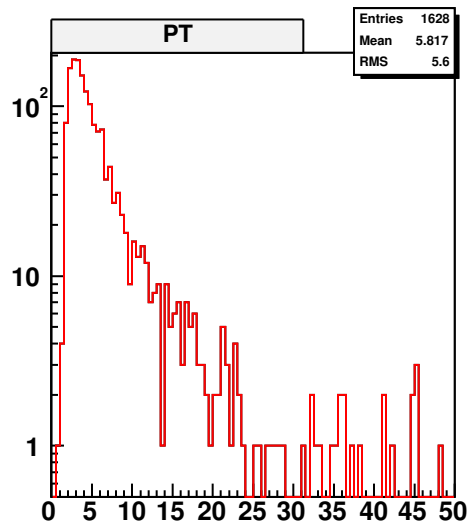


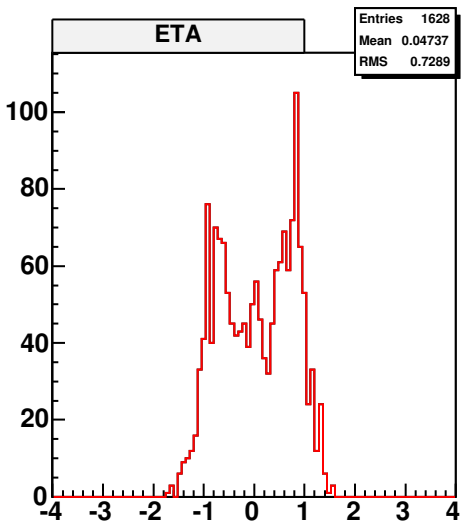


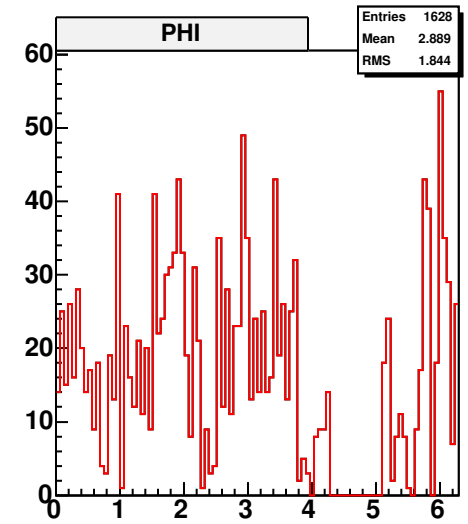


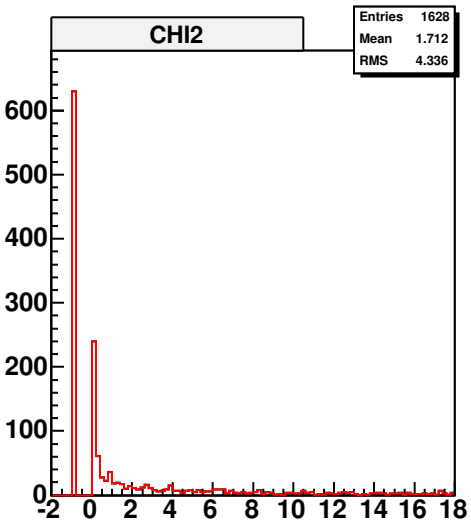
Muon Local Tracks (All)

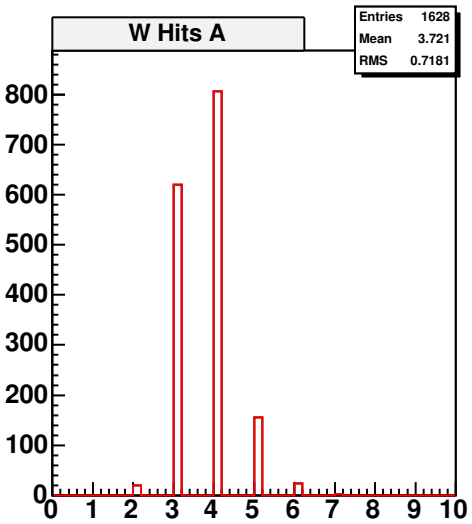


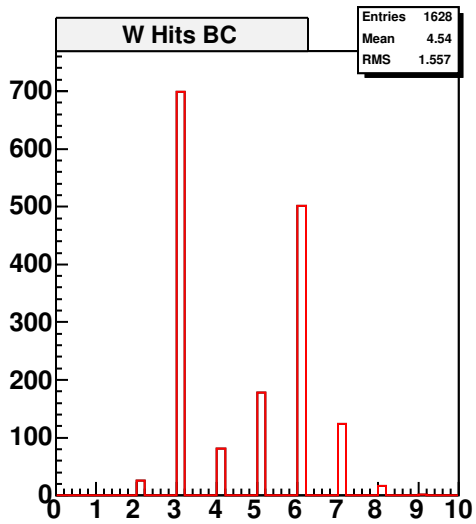


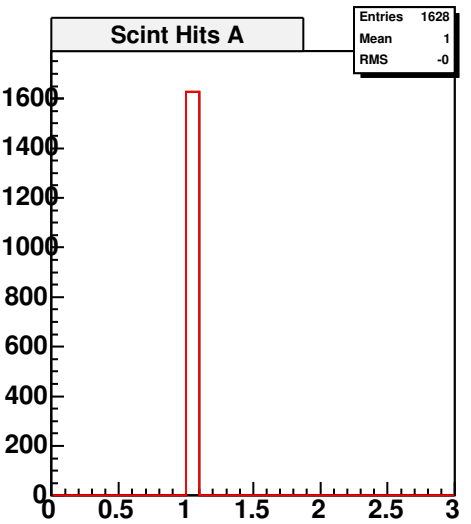


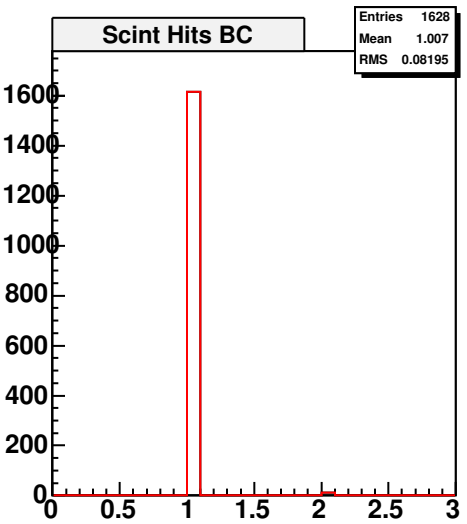




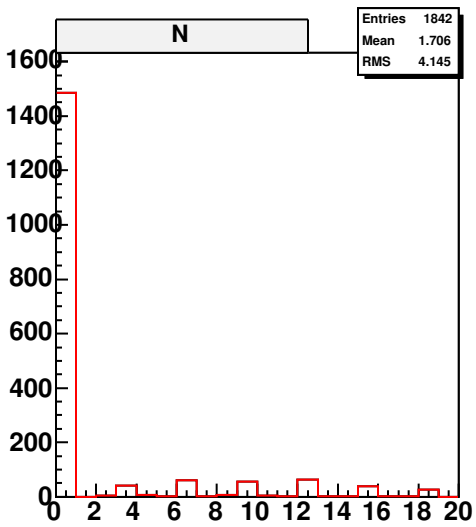


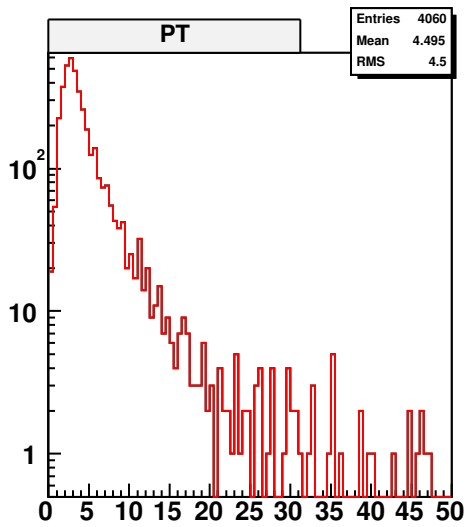


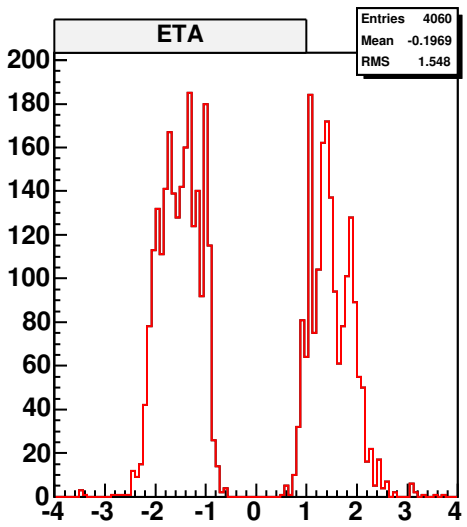


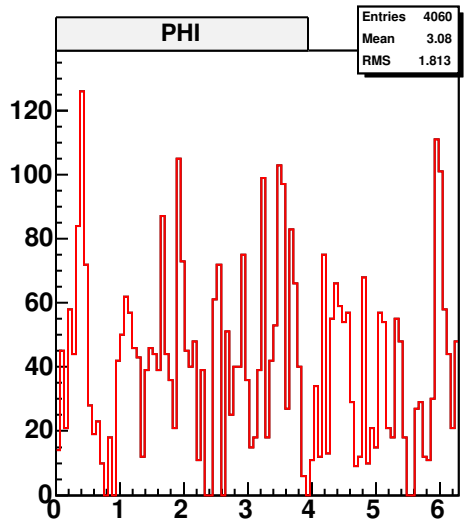


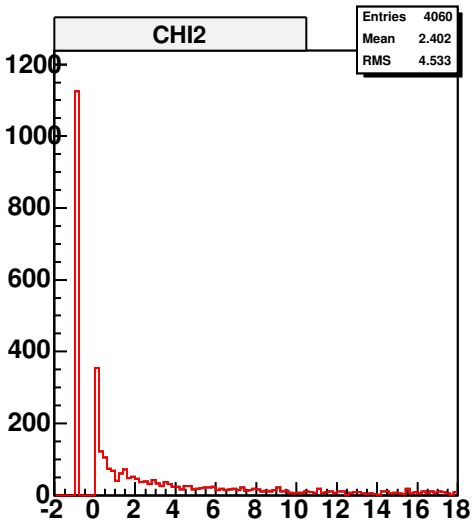
Muon Local Tracks (MediumWamus)

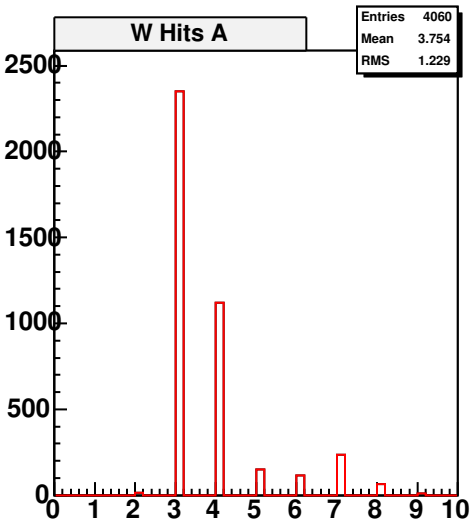


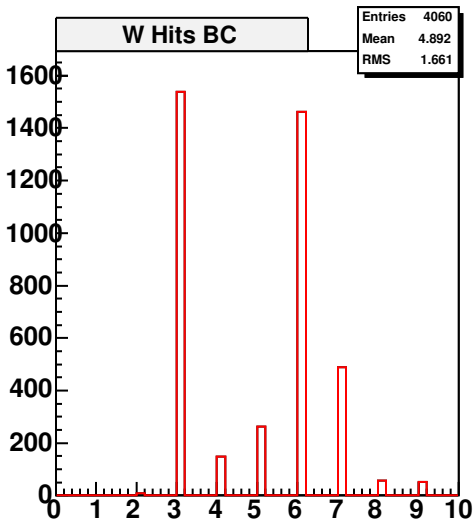


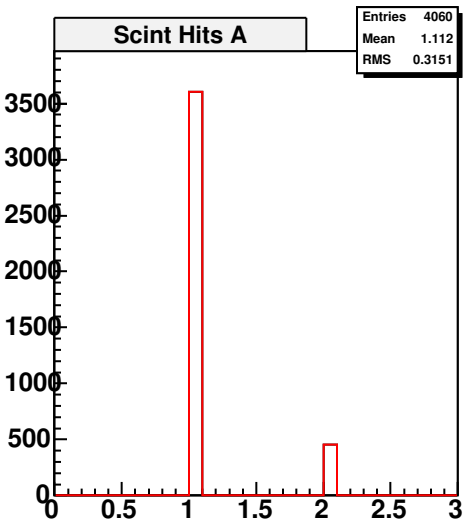


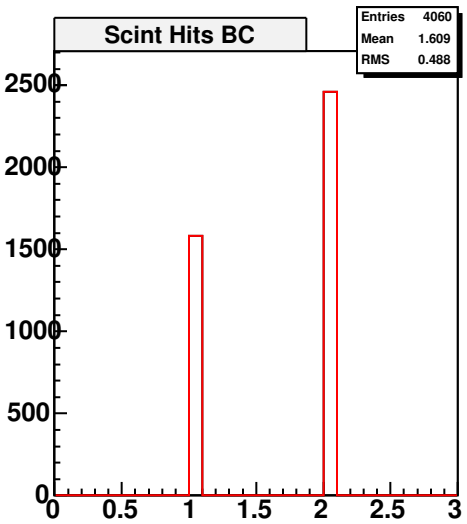




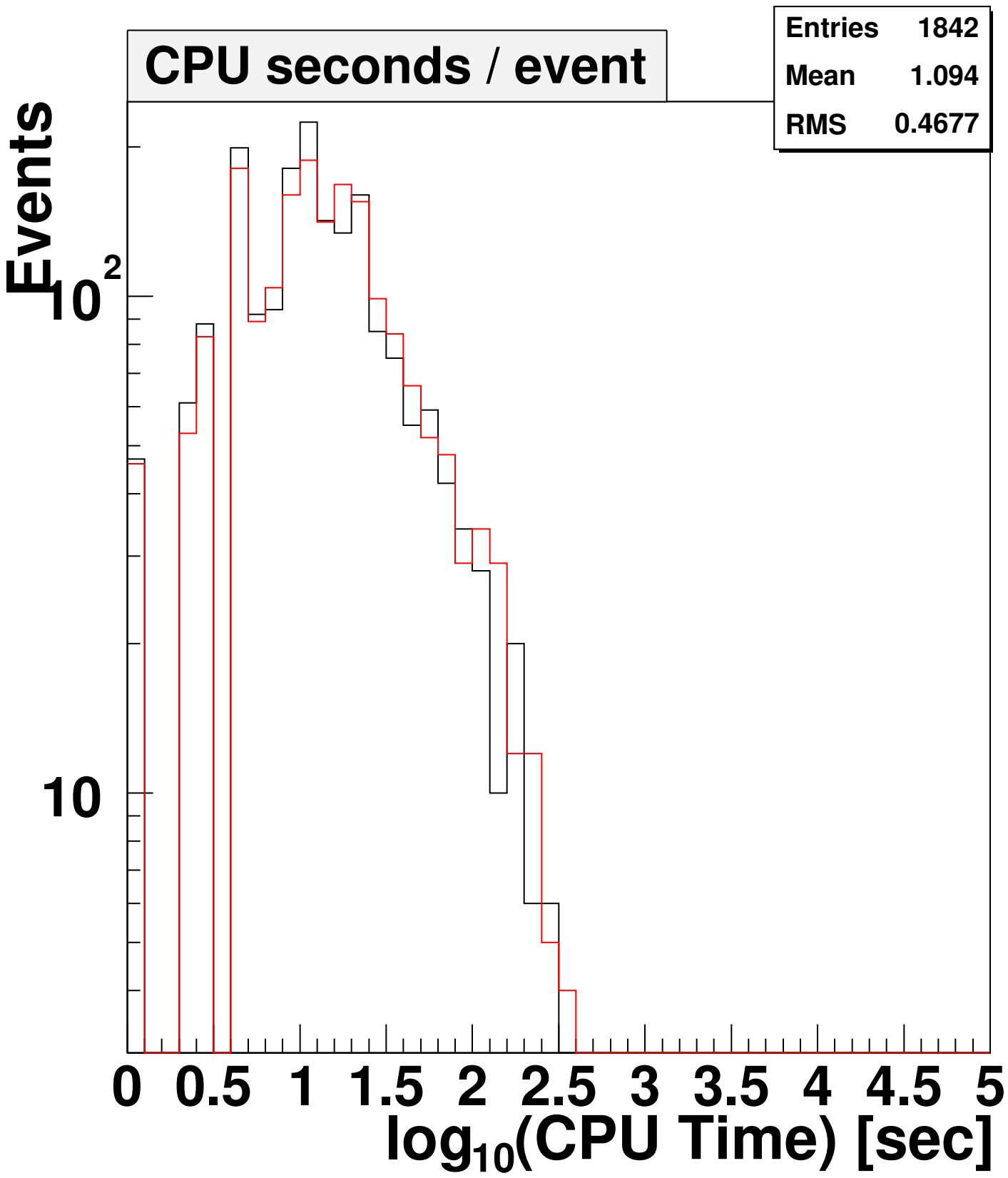








Muon Local Tracks (MediumFamus)



RECO Performance (Timing)