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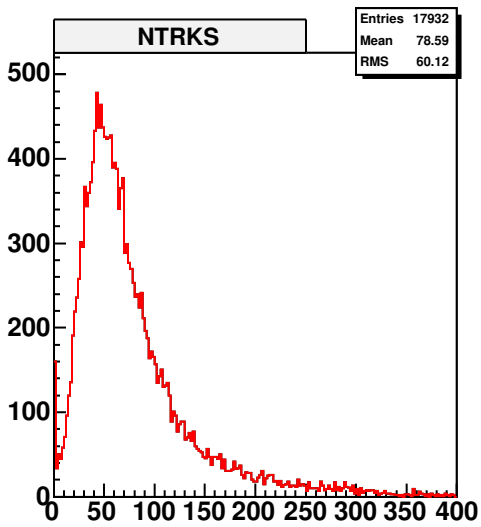
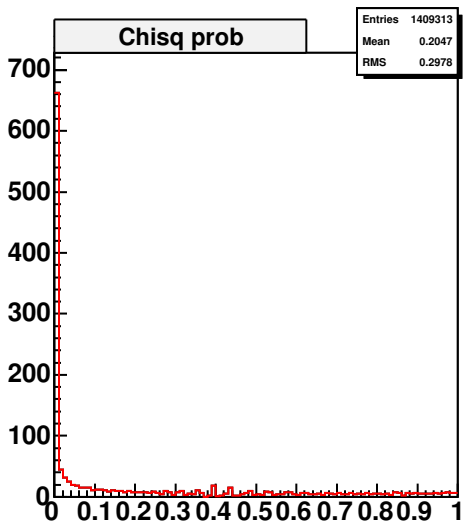
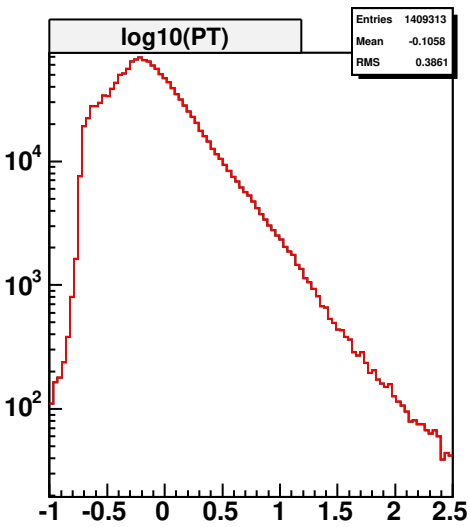
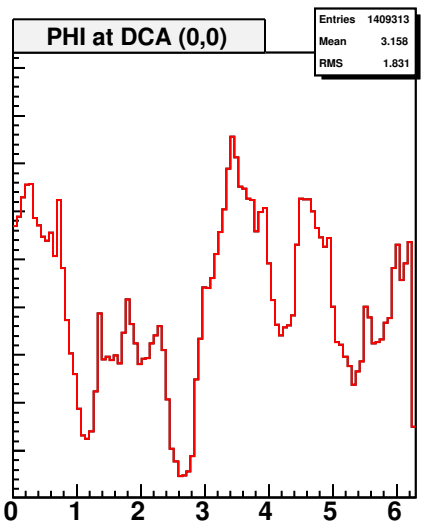
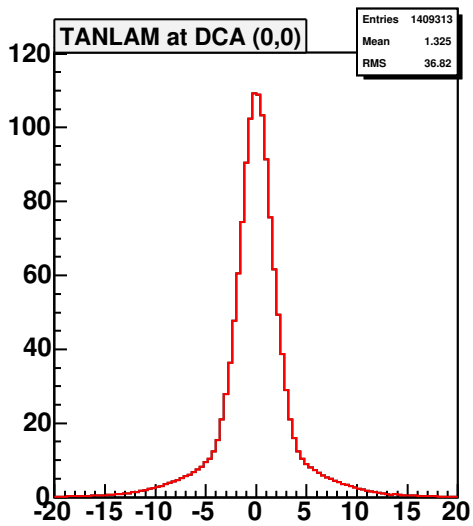
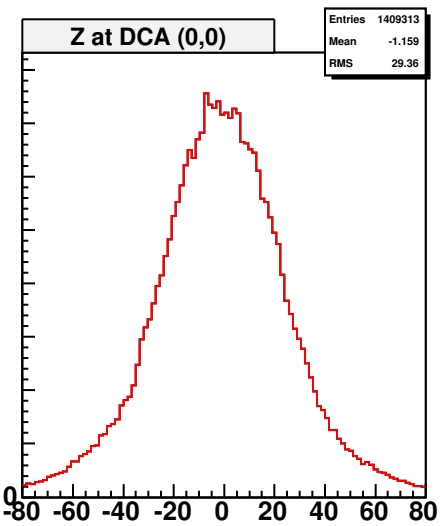

NTRKS
Entries 17932
Mean 78.59
RMS 60.12

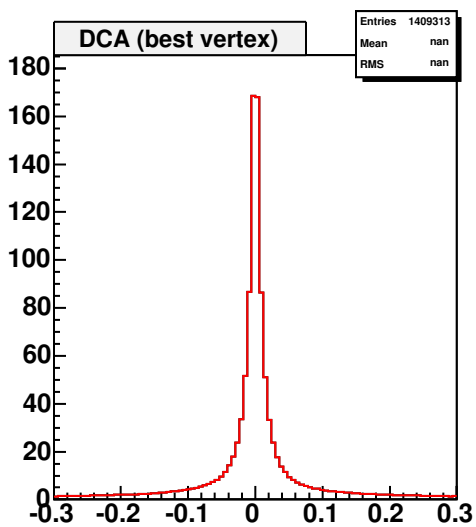

Chisq prob
Entries 1409313
Mean 0.2047
RMS 0.2978

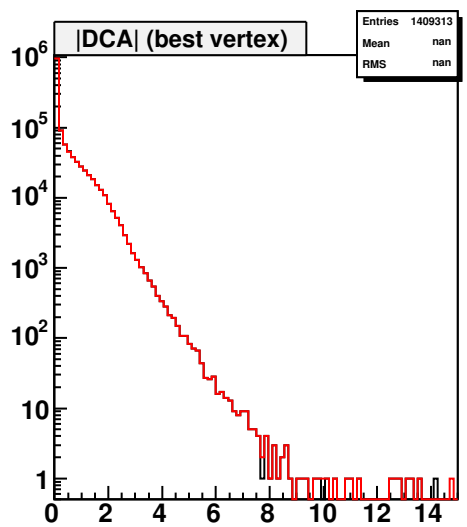

log10(PT)
Entries 1409313
Mean -0.1058
RMS 0.3861

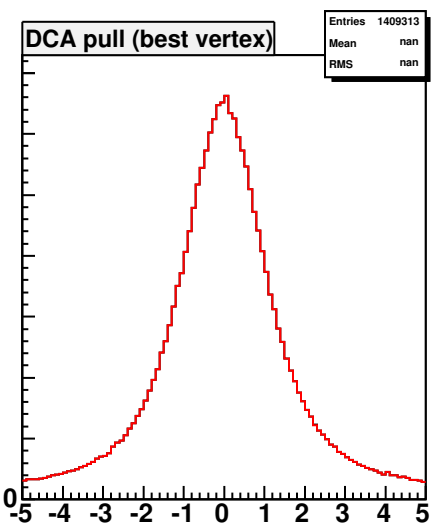

PHI at DCA (0,0)
Entries 1409313
Mean 3.158
RMS 1.831


TANLAM at DCA (0,0)
Entries 1409313
Mean 1.325
RMS 36.82

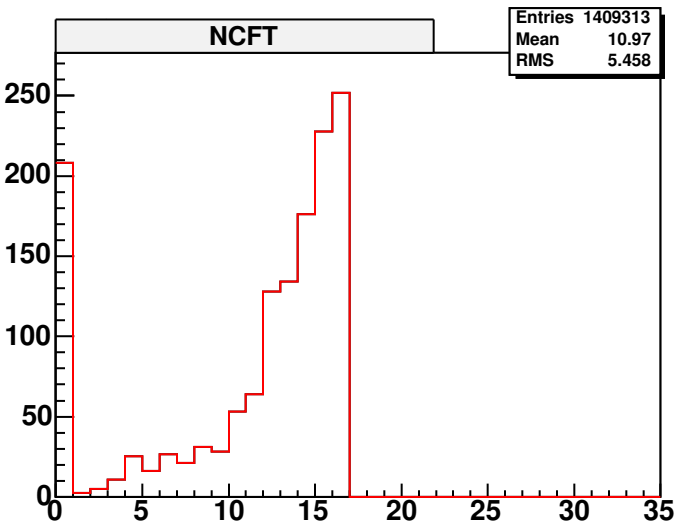

Z at DCA (0,0)
Entries 1409313
Mean -1.159
RMS 29.36

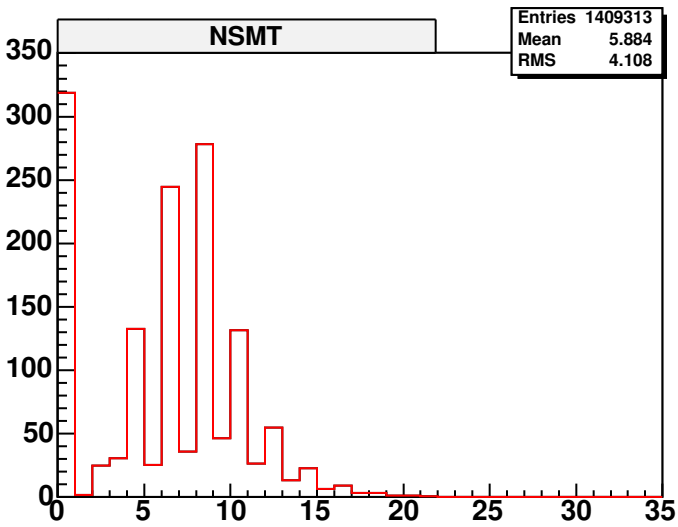

DCA (best vertex)
Entries 1409313
Mean nan
RMS nan

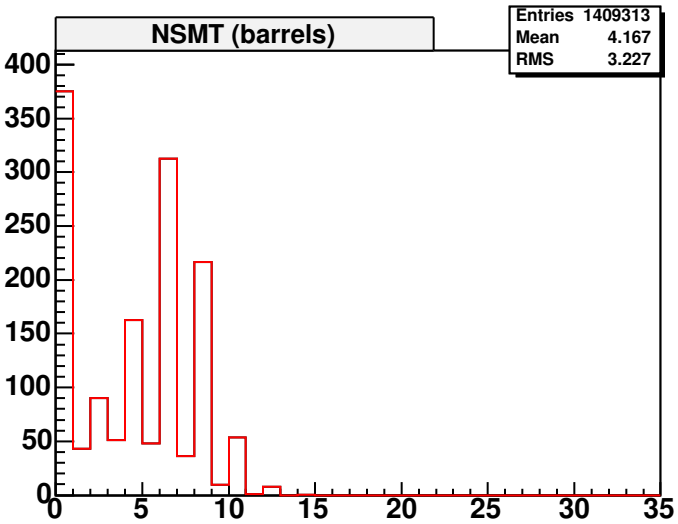

|DCA| (best vertex)
Entries 1409313
Mean nan
RMS nan

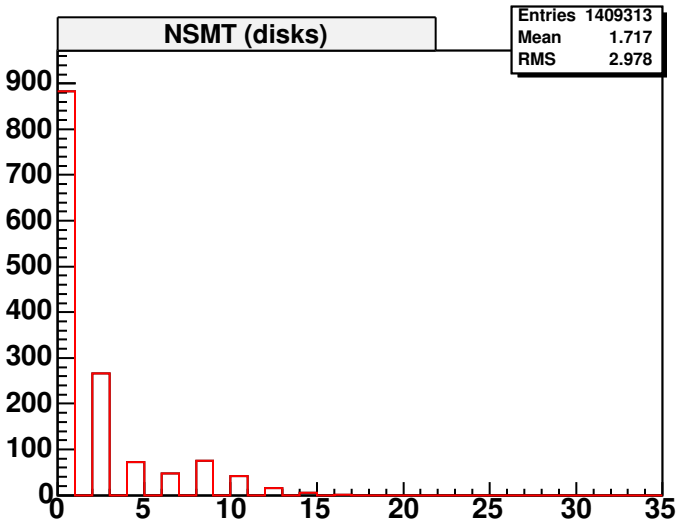

DCA pull (best vertex)
Entries 1409313
Mean nan
RMS nan

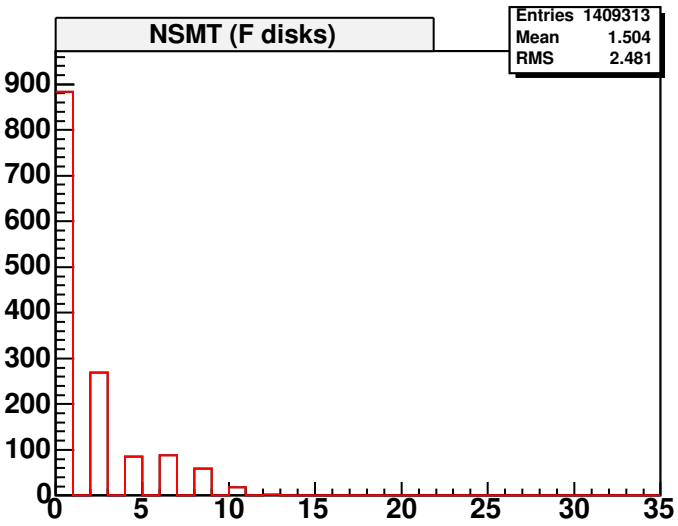
Tracks (All)

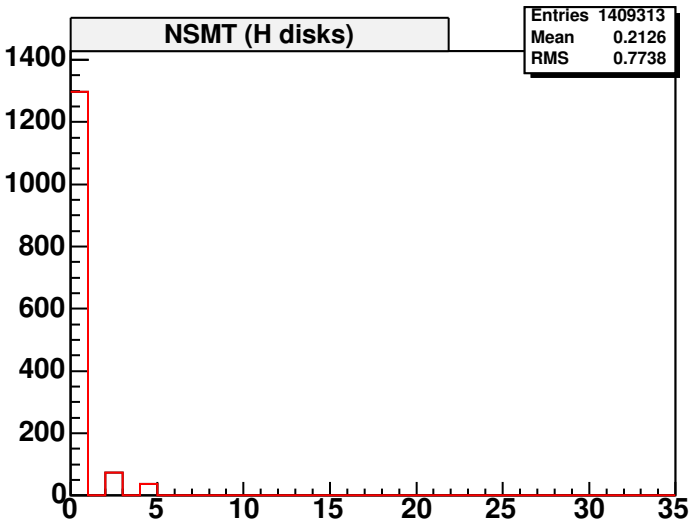




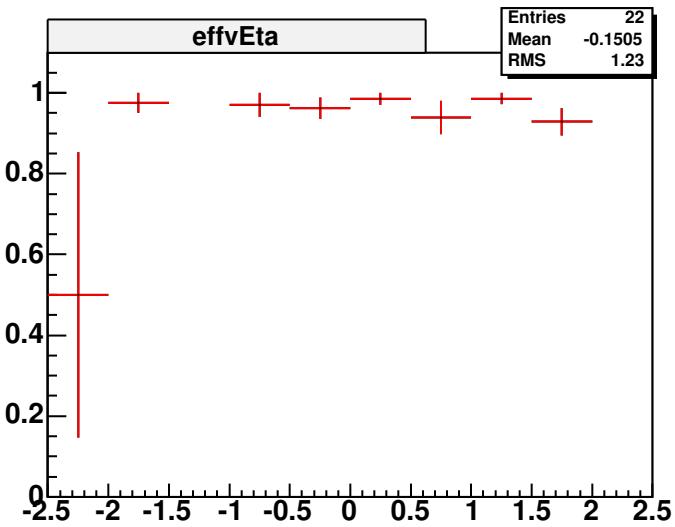


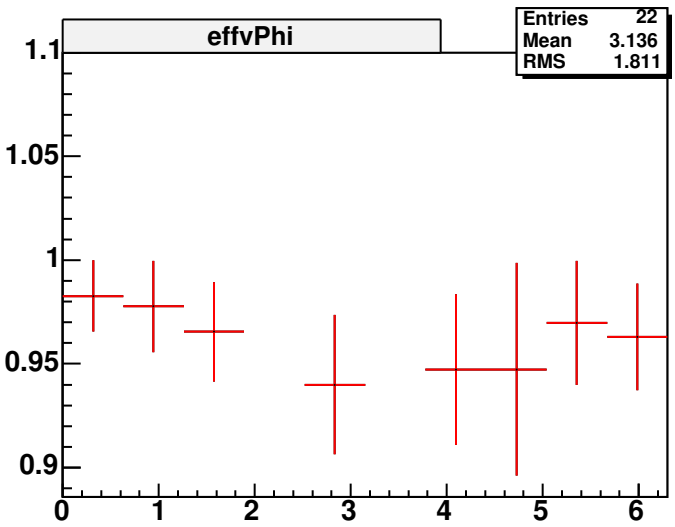


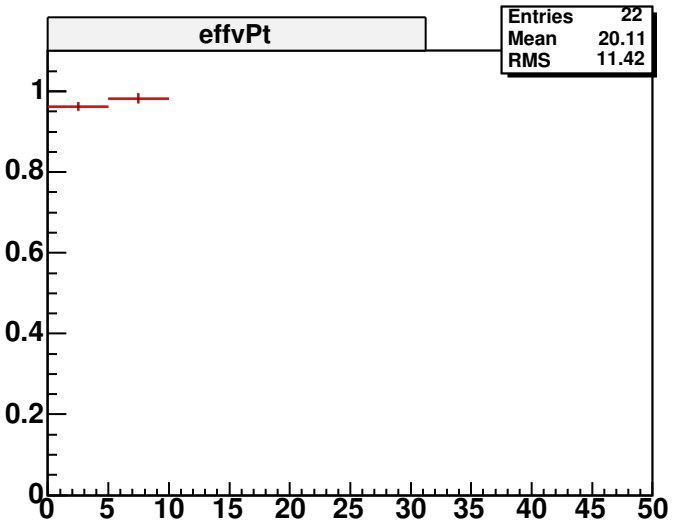


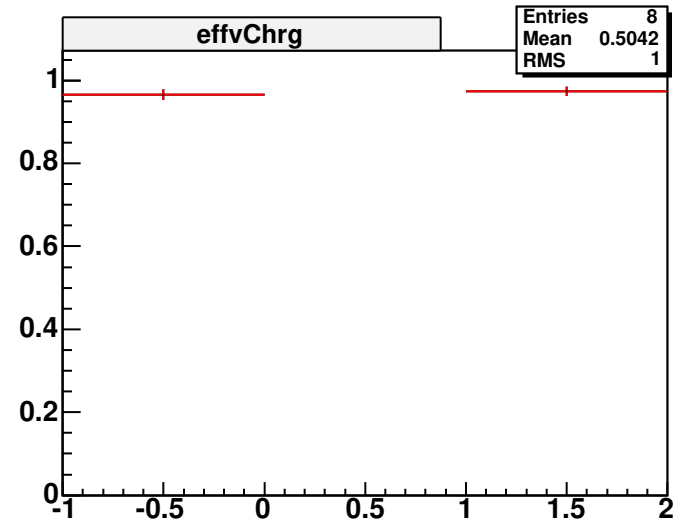


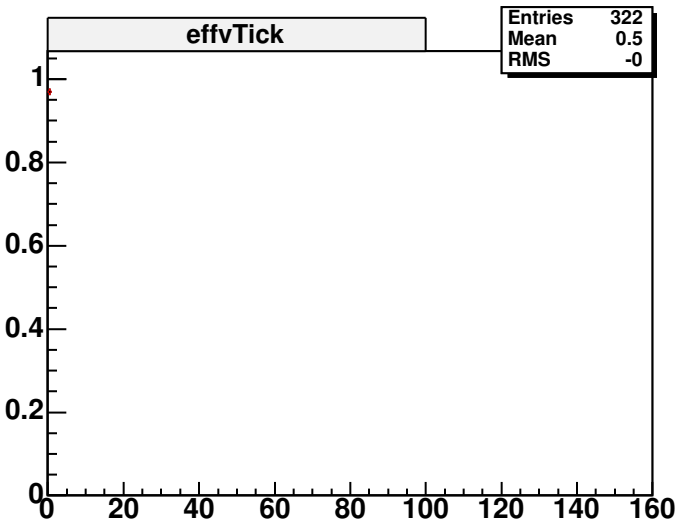
Track Hits (All)

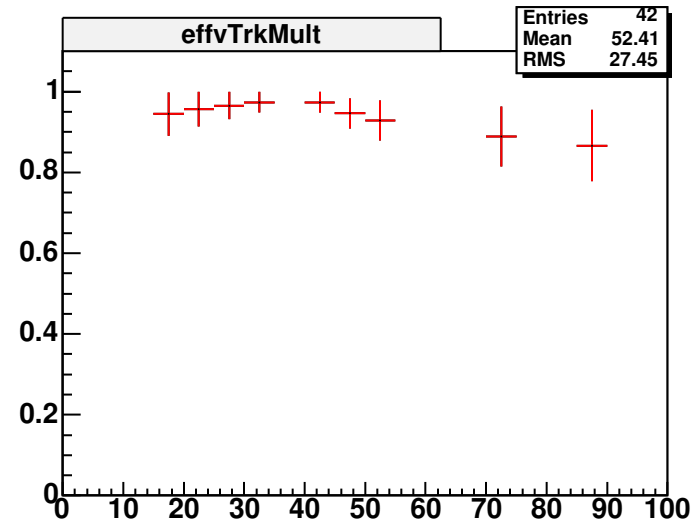




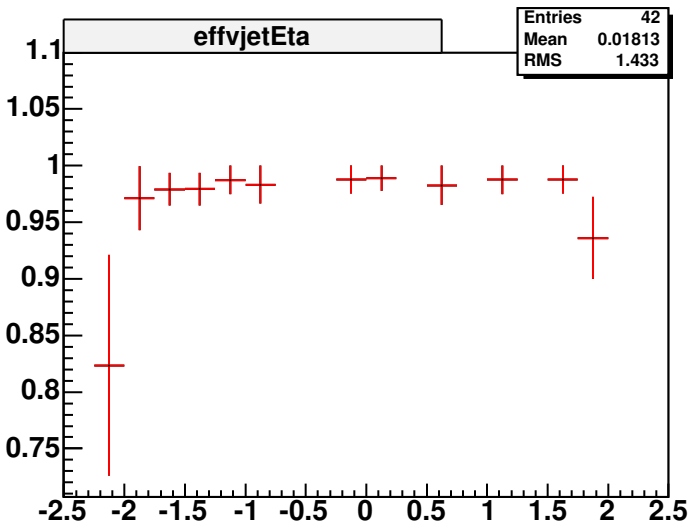


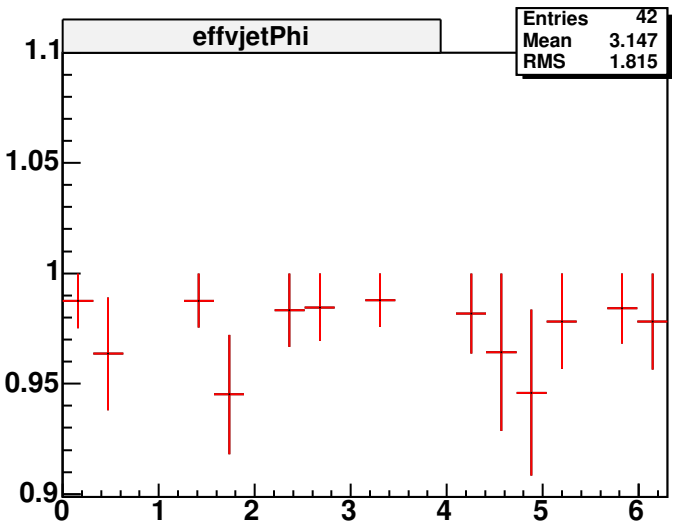


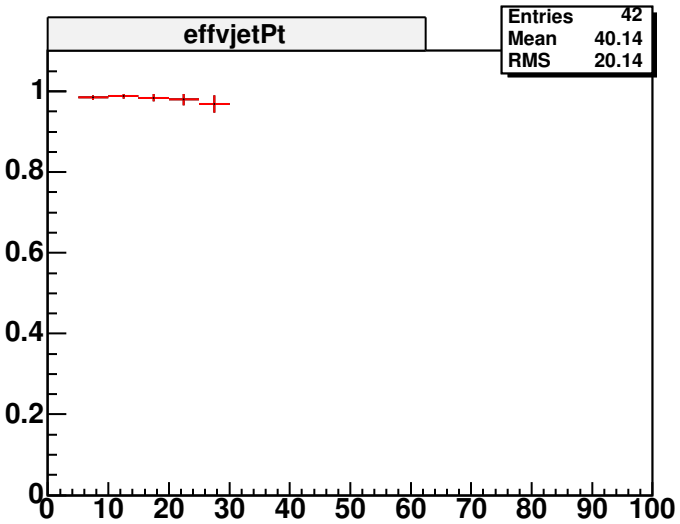




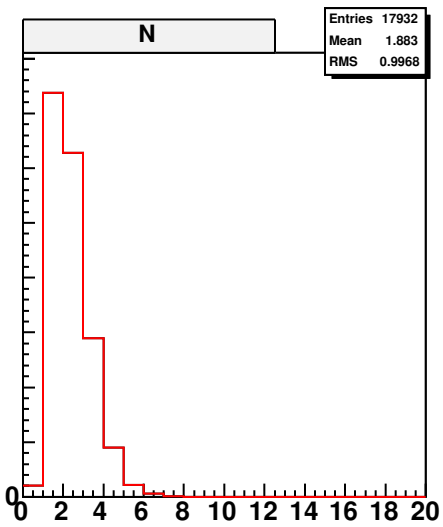
Tracking (Efficiency-Isolated)

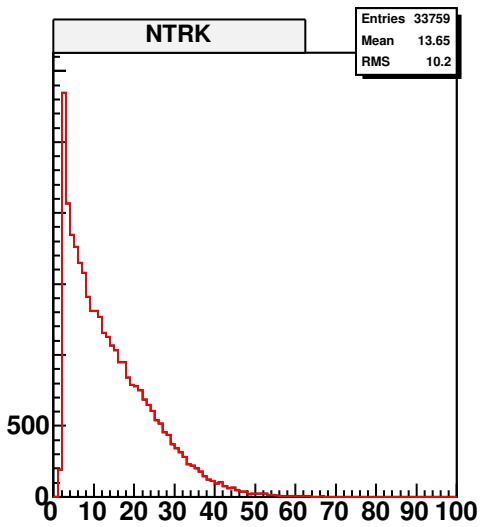


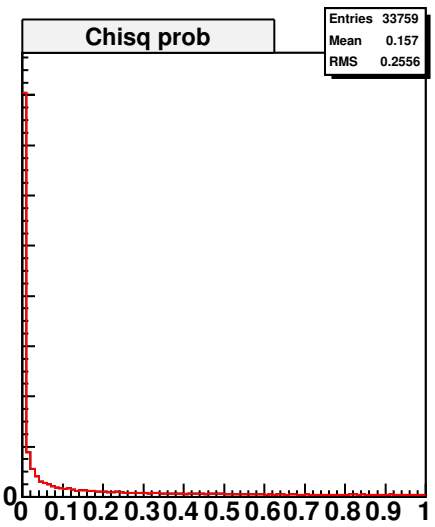


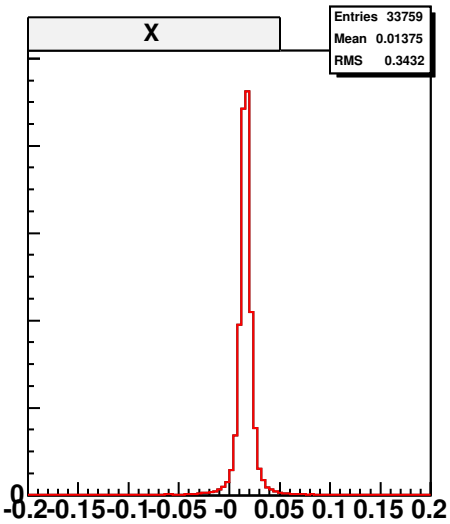


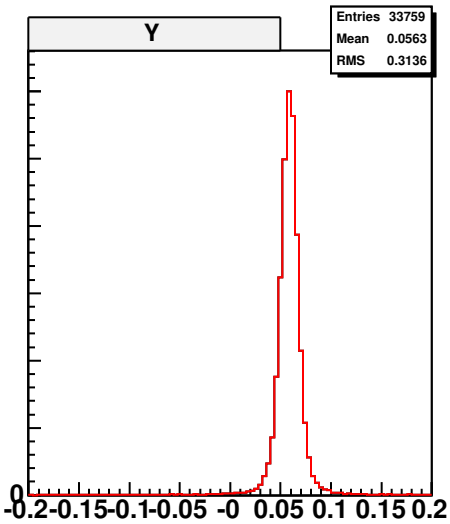
Tracking (Efficiency-InJets)

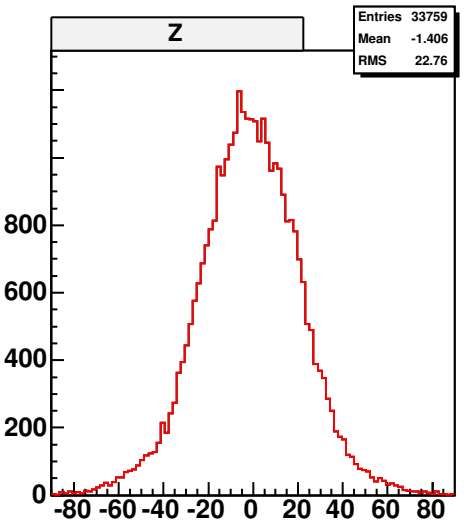


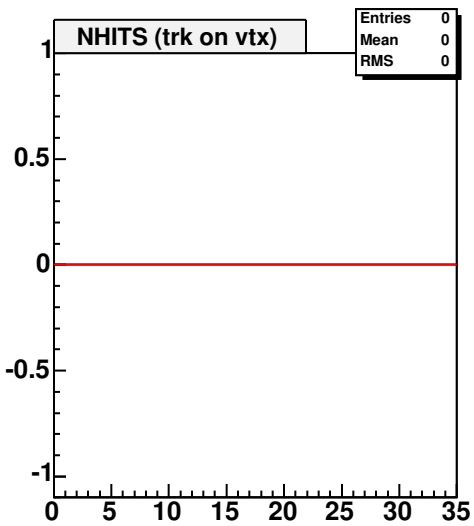


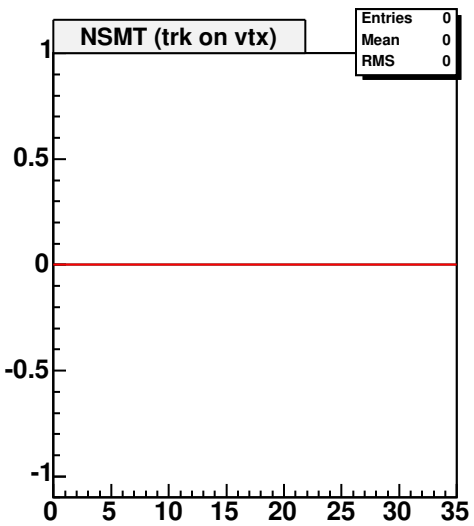


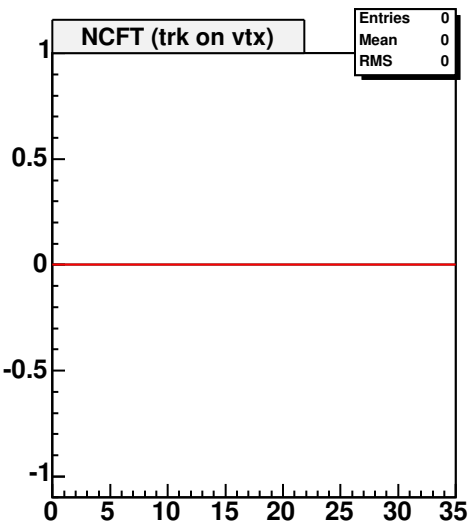




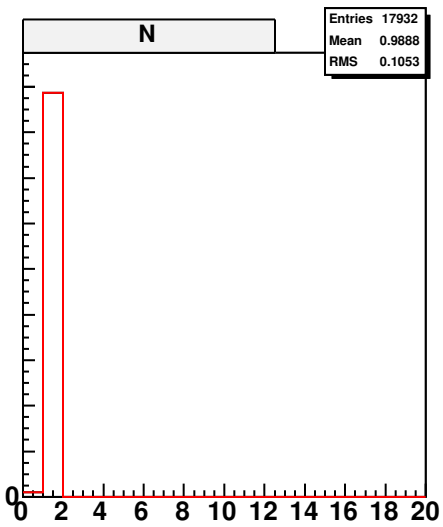


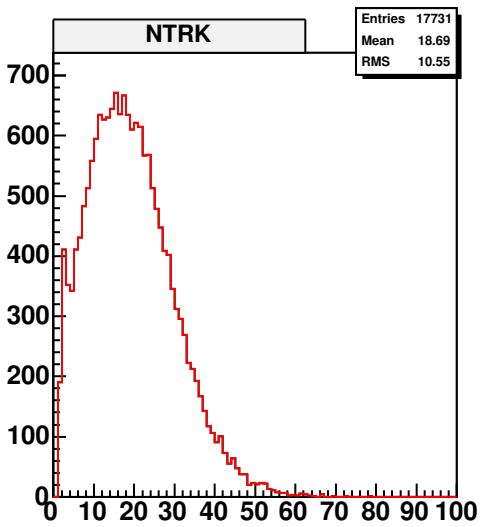


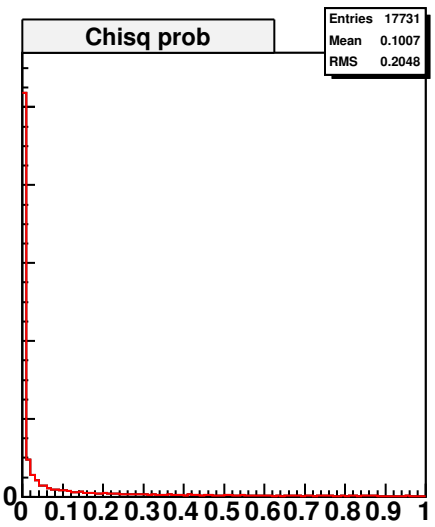


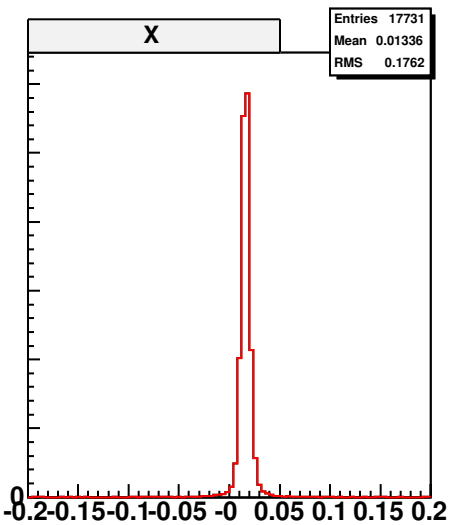


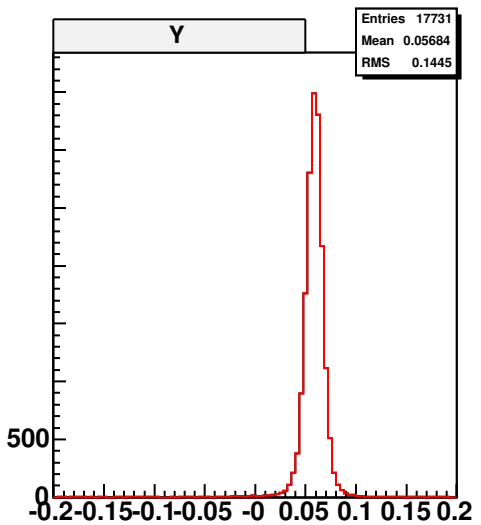
Vertices (Primary - all candidates)

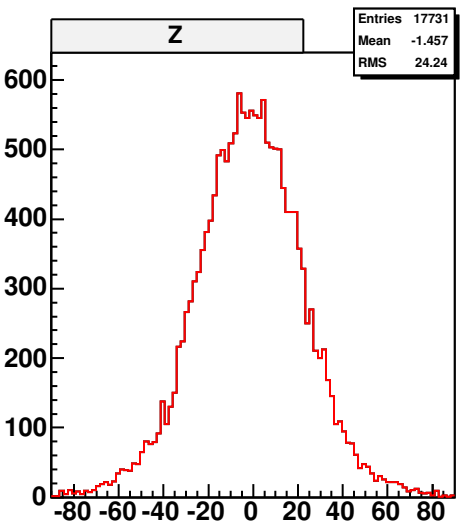


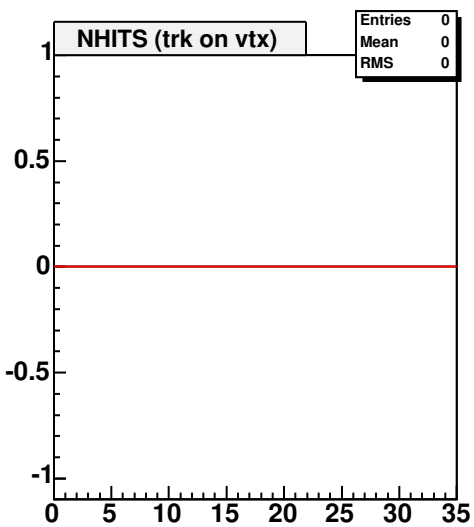


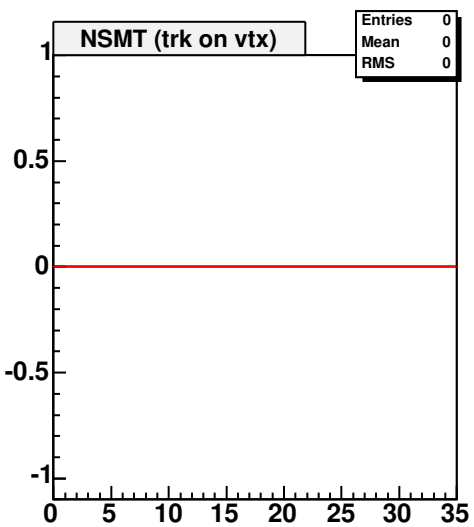


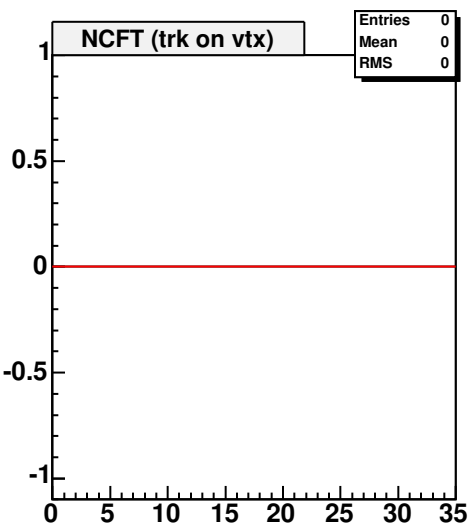




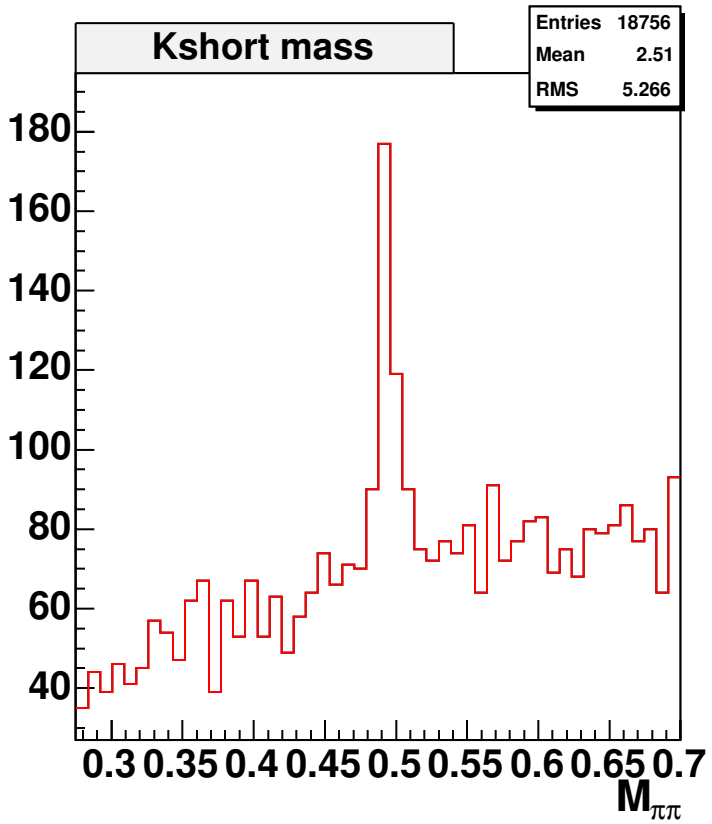


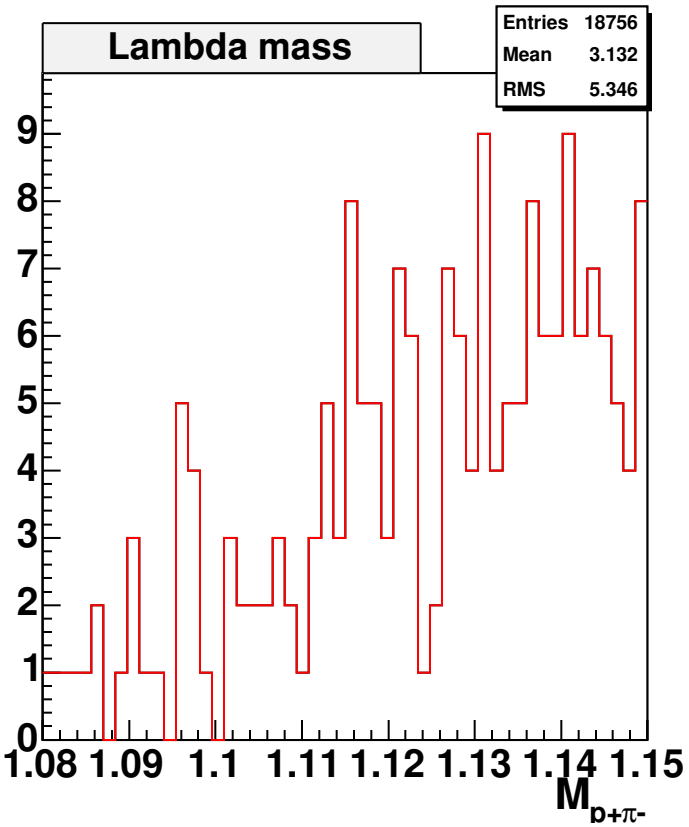


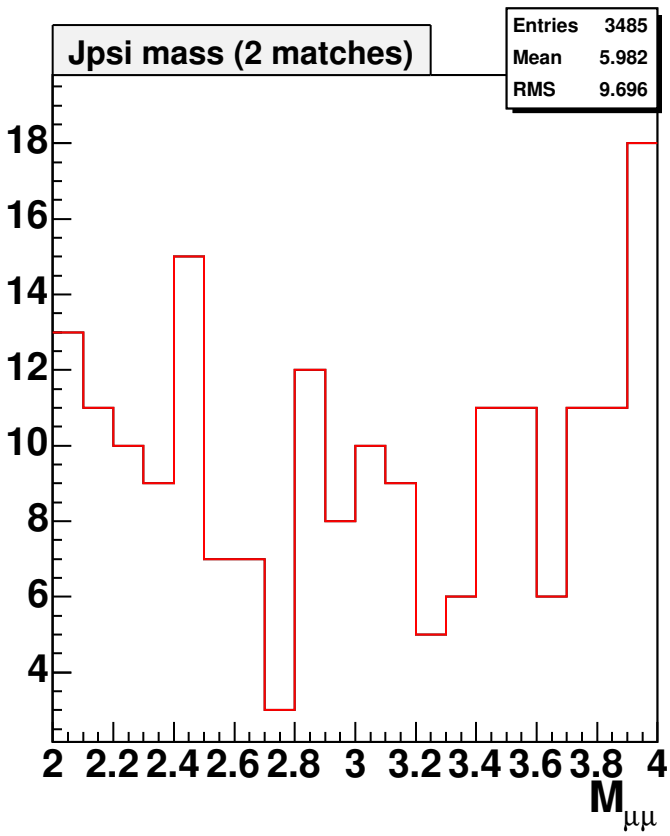


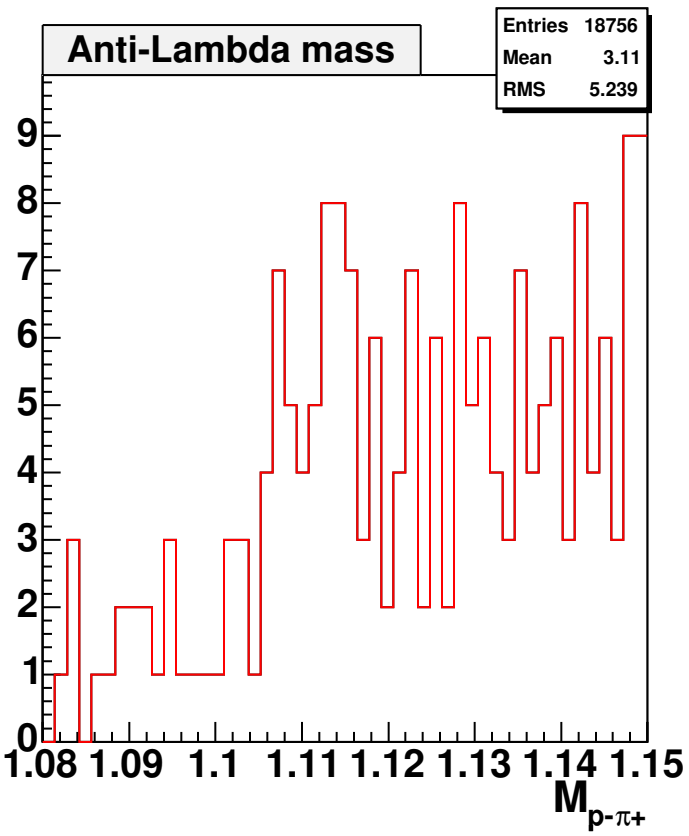


Vertices (Primary - best)

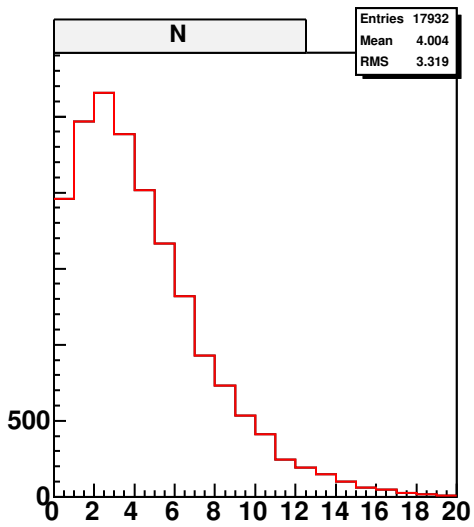

Kshort mass
Entries 18756
Mean 2.51
RMS 5.266
180
160
140
120
100
80
60
40
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

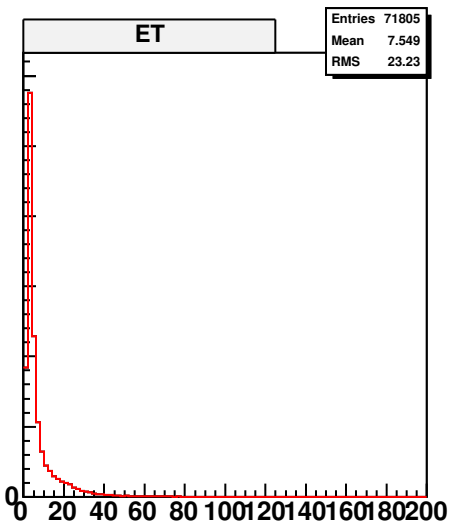

Lambda mass
Entries 18756
Mean 3.132
RMS 5.346
9
8
7
6
5
4
3
2
1
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

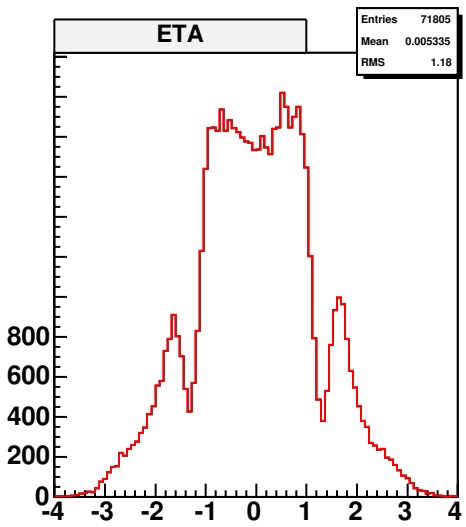

Jpsi mass (2 matches)
Entries 3485
Mean 5.982
RMS 9.696
18
16
14
12
10
8
6
4
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

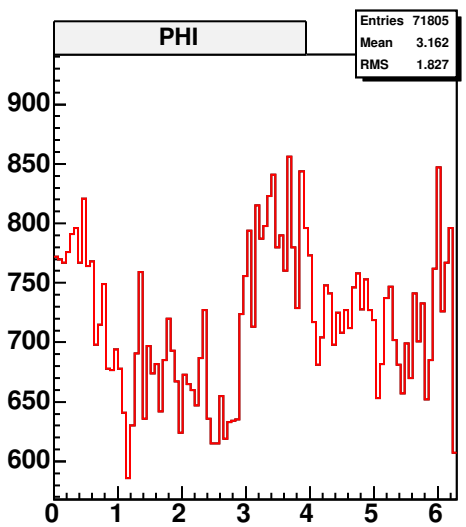

Anti-Lambda mass
Entries 18756
Mean 3.11
RMS 5.239
9
8
7
6
5
4
3
2
1
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

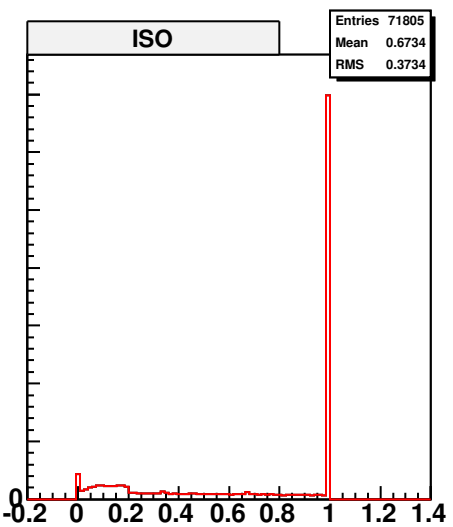
V0 (All)

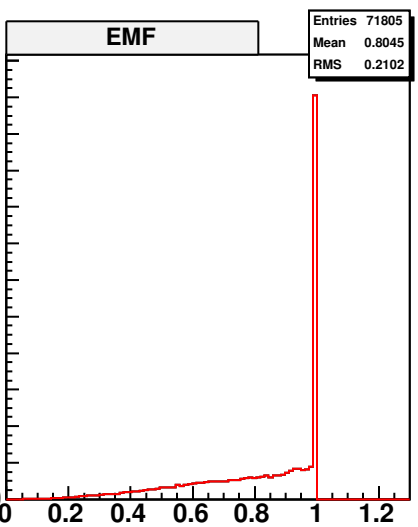


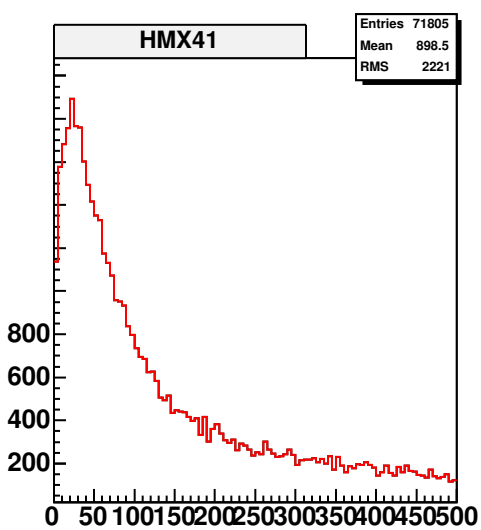


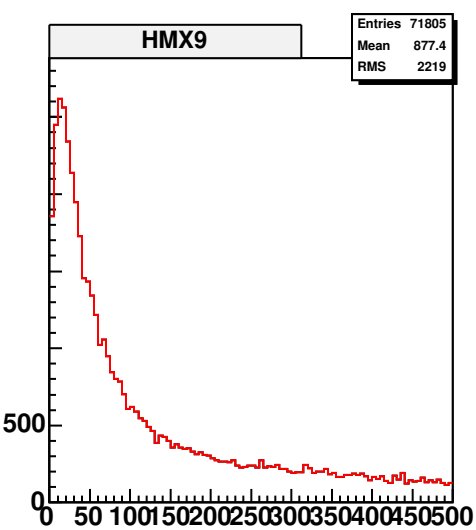


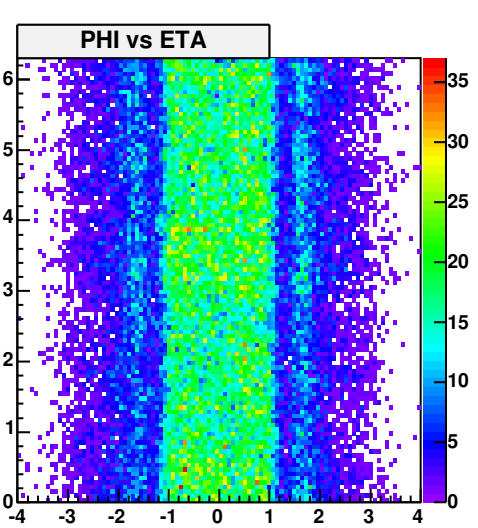




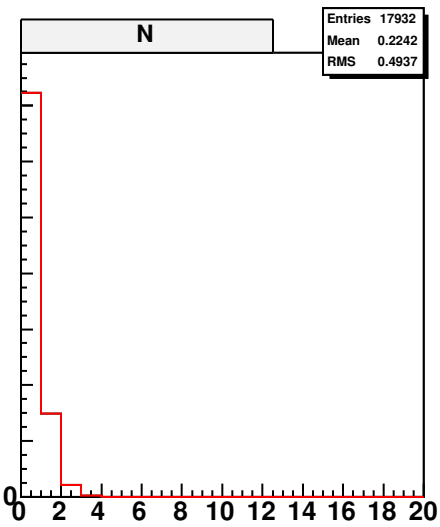


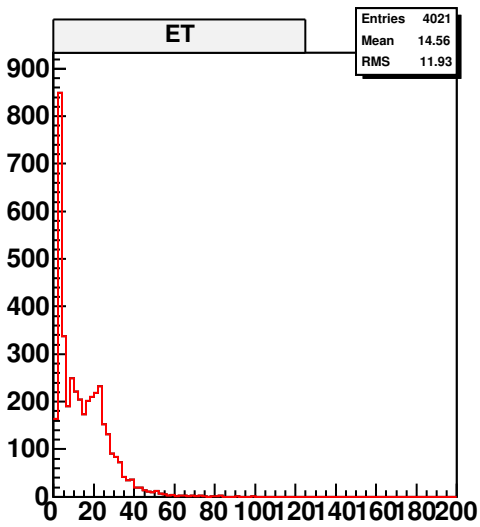


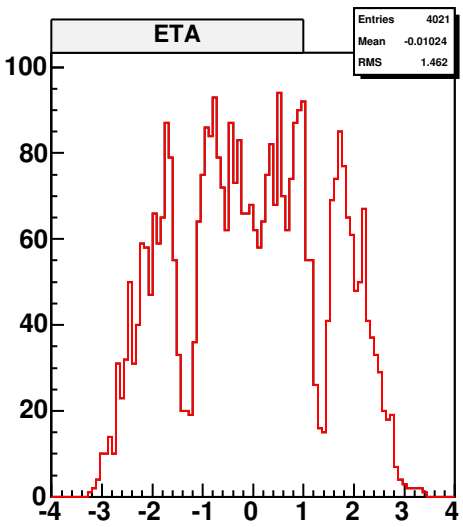


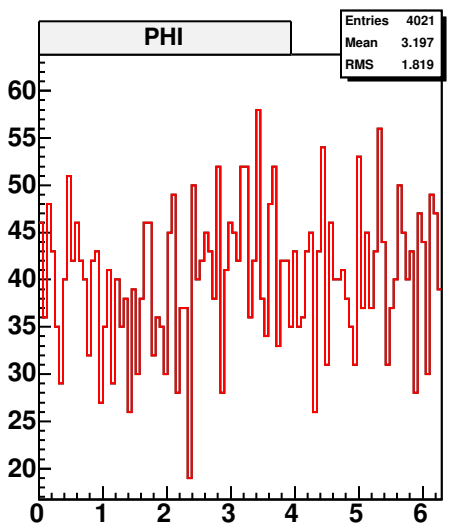


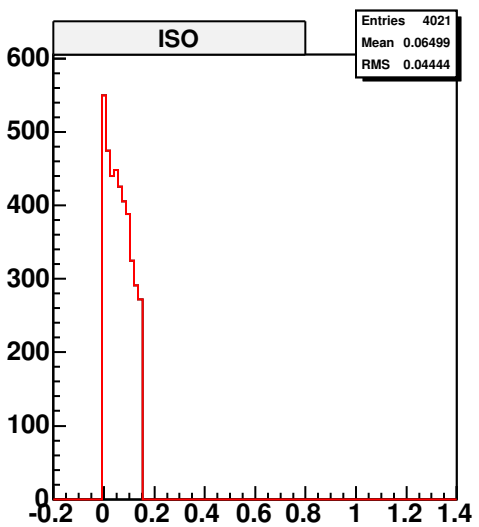
Electrons (SCONE All)

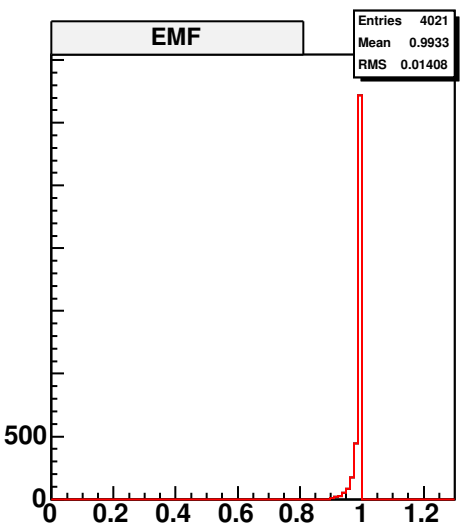


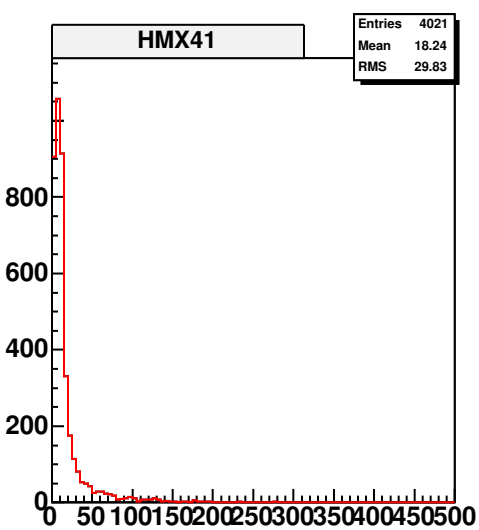


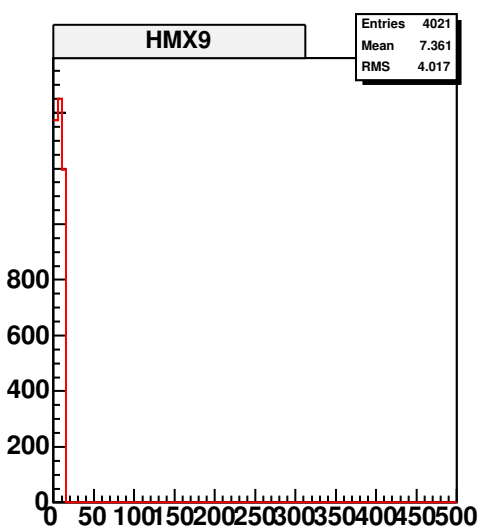


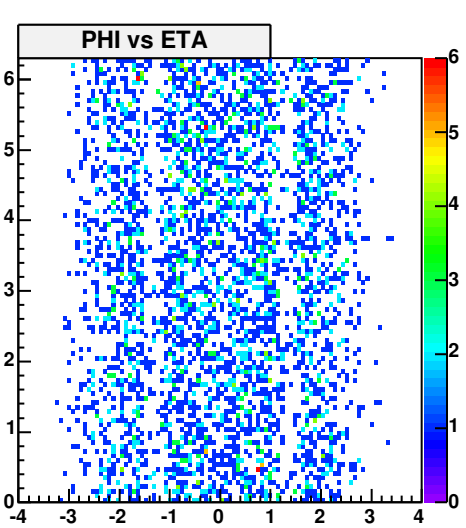




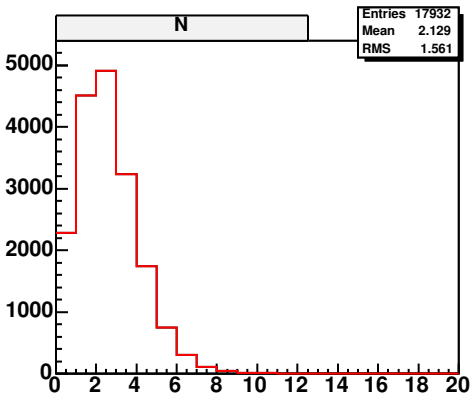


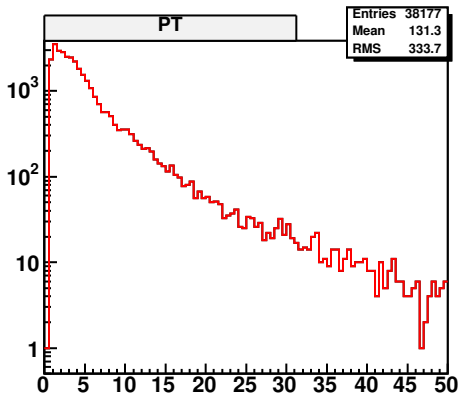


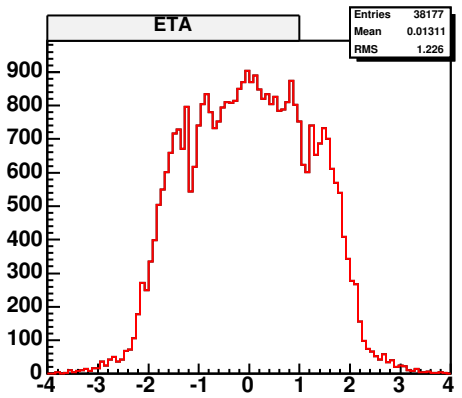


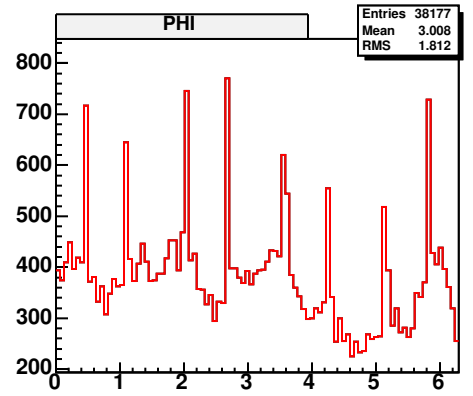


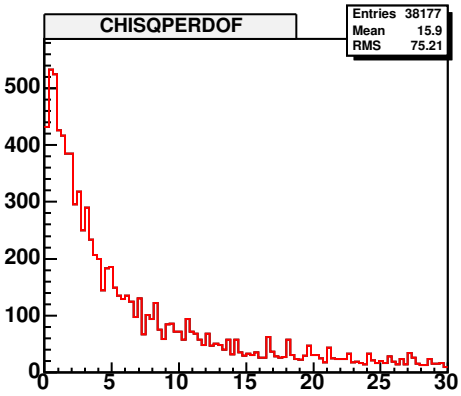
Electrons (SCONE Tight)

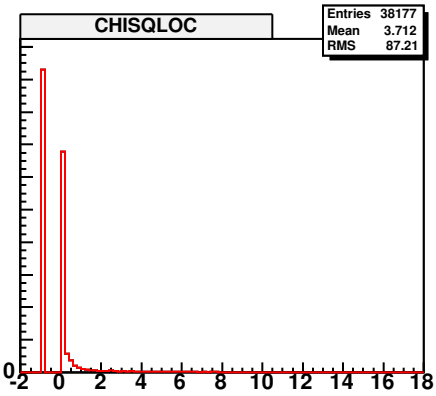

N
Entries 17932
Mean 2.129
RMS 1.561

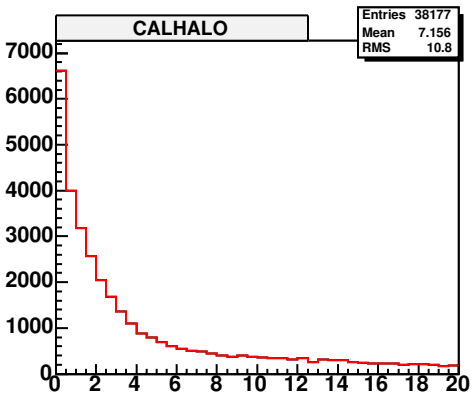

PT
Entries 38177
Mean 131.3
RMS 333.7

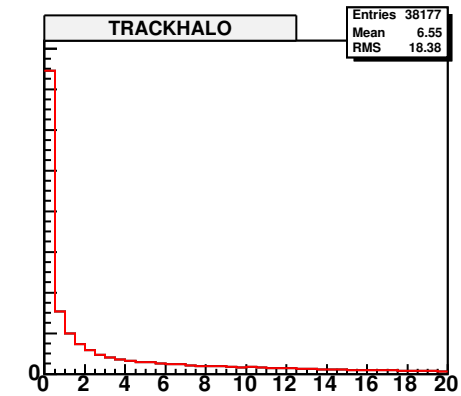

ETA
Entries 38177
Mean 0.01311
RMS 1.226

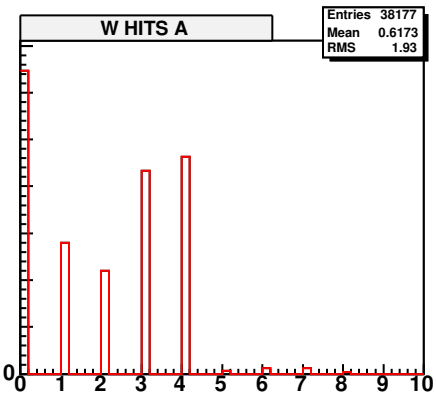

PHI
Entries 38177
Mean 3.008
RMS 1.812

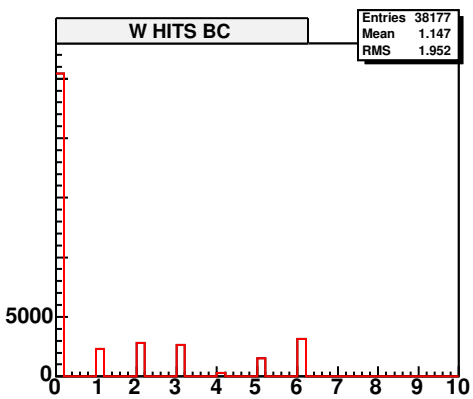

CHISQPERDOF
Entries 38177
Mean 15.9
RMS 75.21

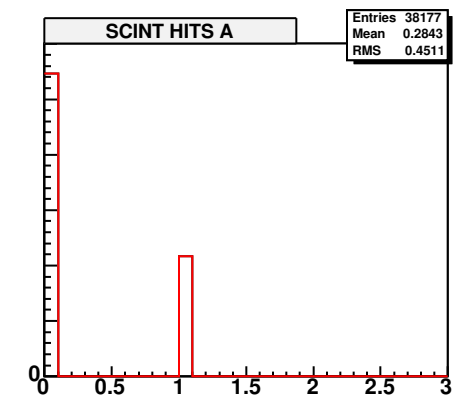

CHISQLOC
Entries 38177
Mean 3.712
RMS 87.21

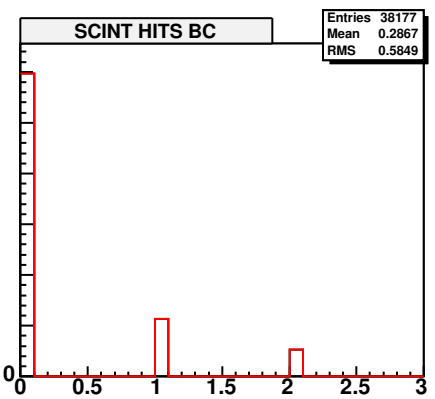

CALHALO
Entries 38177
Mean 7.156
RMS 10.8


TRACKHALO
Entries 38177
Mean 6.55
RMS 18.38

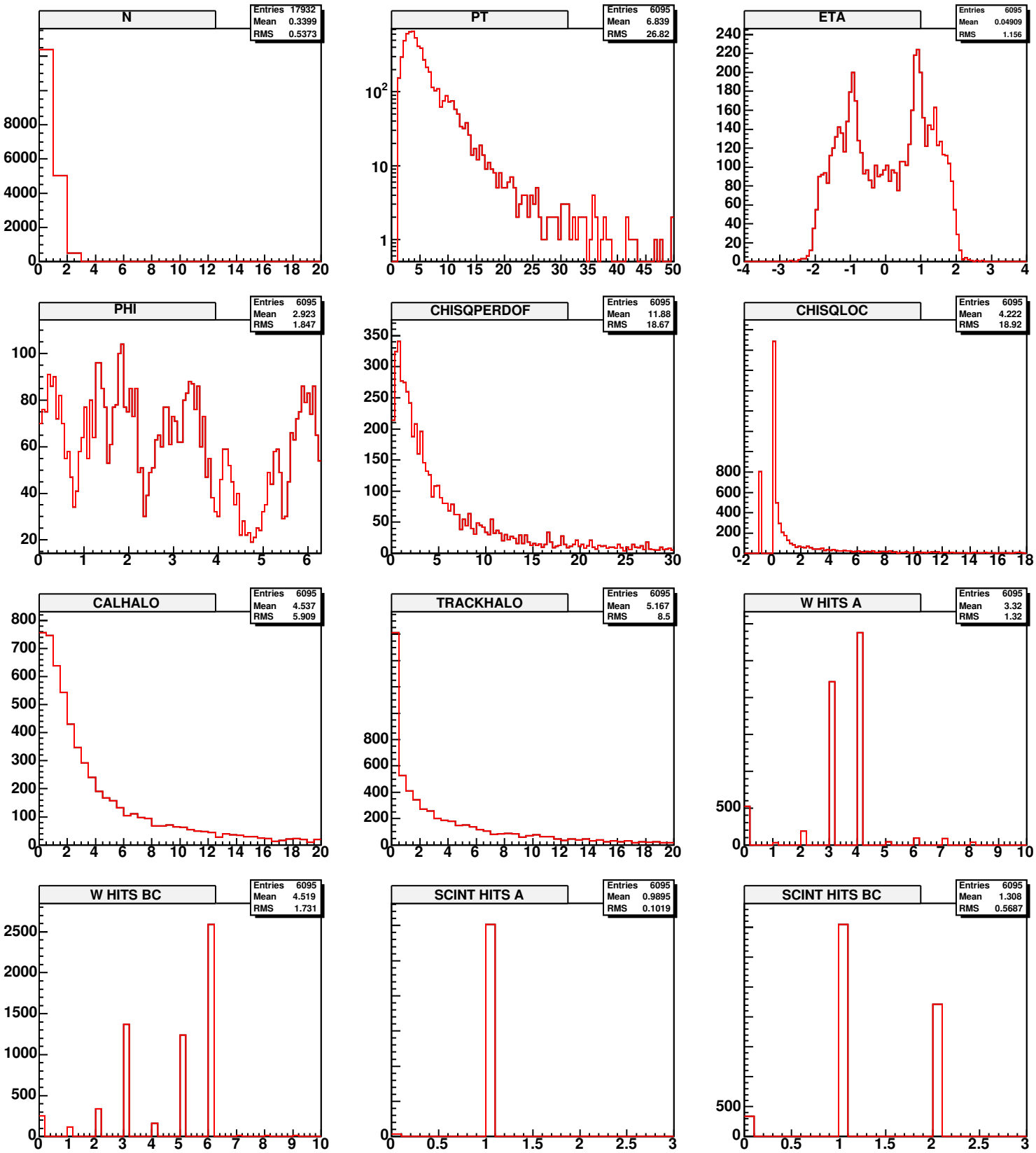

W HITS A
Entries 38177
Mean 0.6173
RMS 1.93


W HITS BC
Entries 38177
Mean 1.147
RMS 1.952

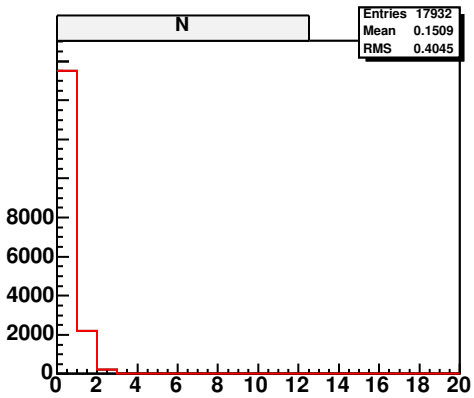

SCINT HITS A
Entries 38177
Mean 0.2843
RMS 0.4511

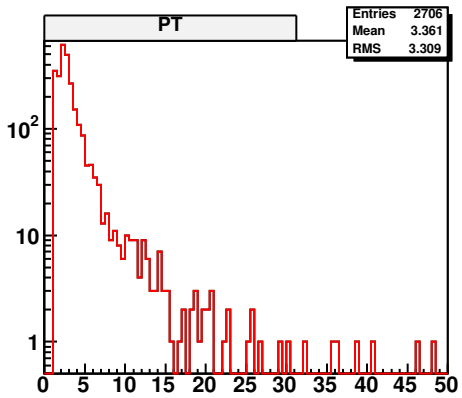

SCINT HITS BC
Entries 38177
Mean 0.2867
RMS 0.5849

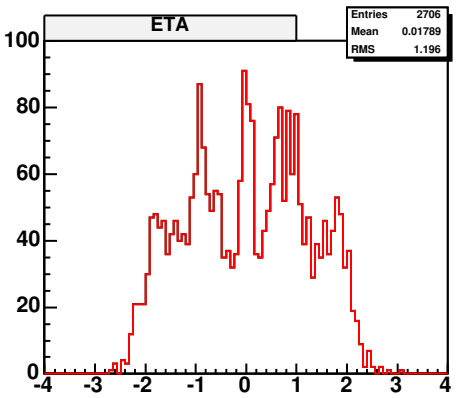
Muons (All)

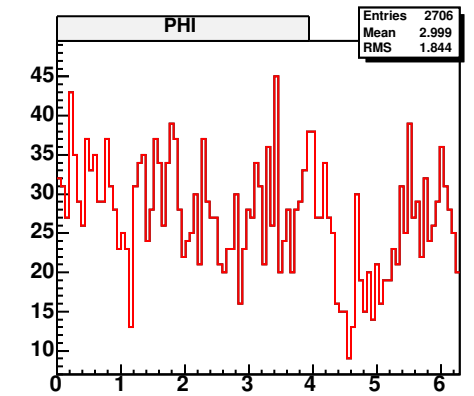


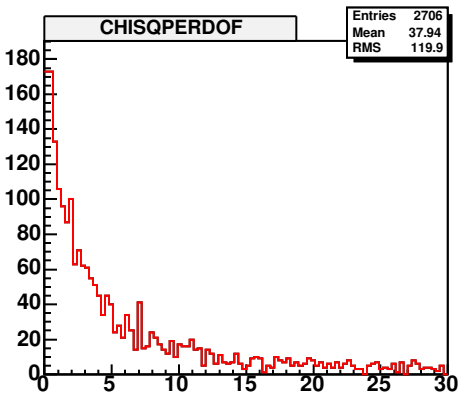
Muons (Matched)

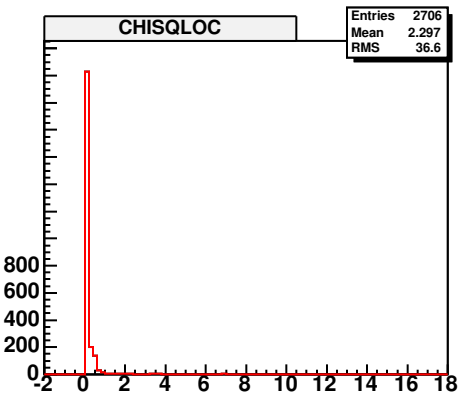

N
Entries 17932
Mean 0.1509
RMS 0.4045

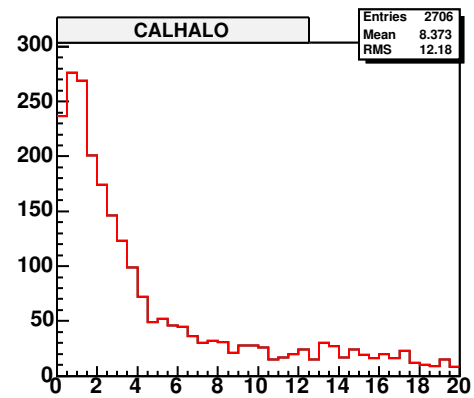

PT
Entries 2706
Mean 3.361
RMS 3.309

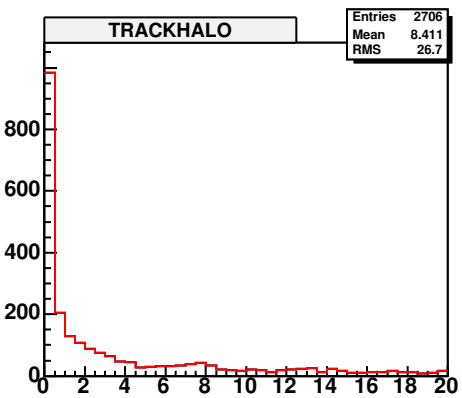

ETA
Entries 2706
Mean 0.01789
RMS 1.196

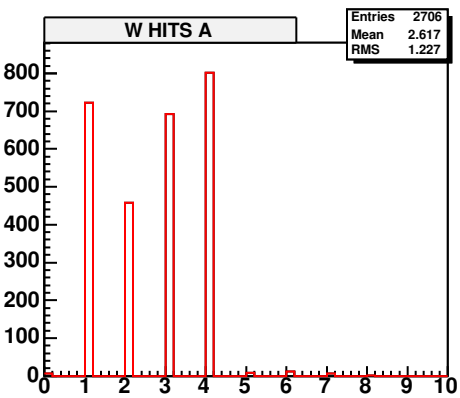

PHI
Entries 2706
Mean 2.999
RMS 1.844

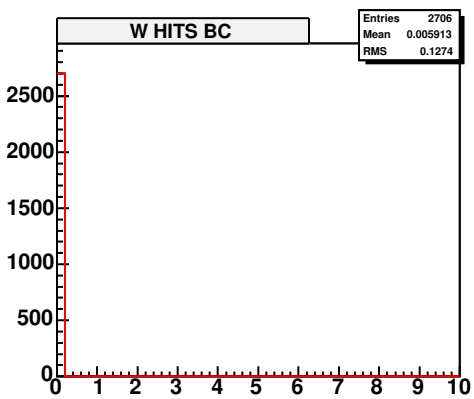

CHISQPERDOF
Entries 2706
Mean 37.94
RMS 119.9

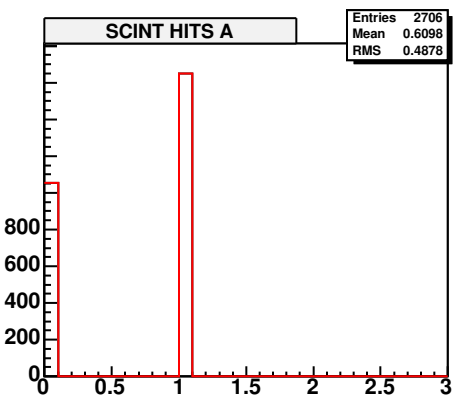

CHISQLOC
Entries 2706
Mean 2.297
RMS 36.6

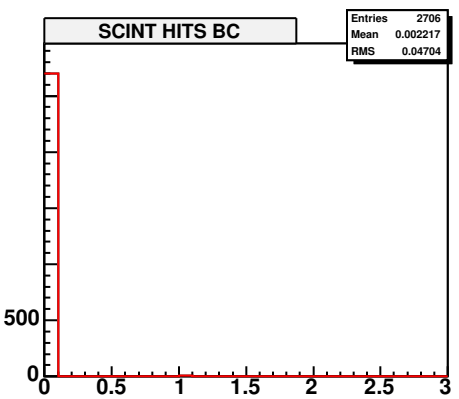

CALHALO
Entries 2706
Mean 8.373
RMS 12.18


TRACKHALO
Entries 2706
Mean 8.411
RMS 26.7

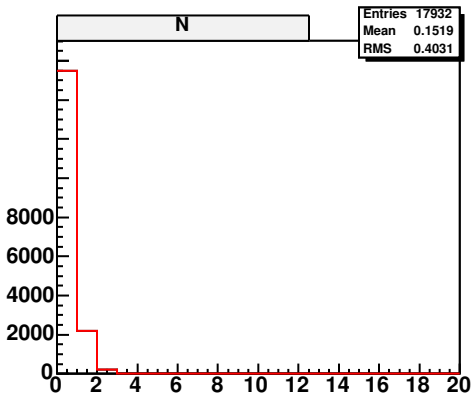

W HITS A
Entries 2706
Mean 2.617
RMS 1.227

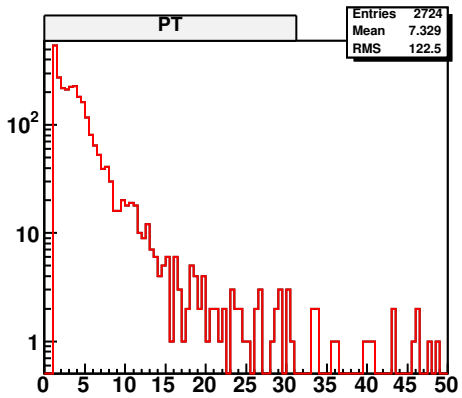

W HITS BC
Entries 2706
Mean 0.005913
RMS 0.1274

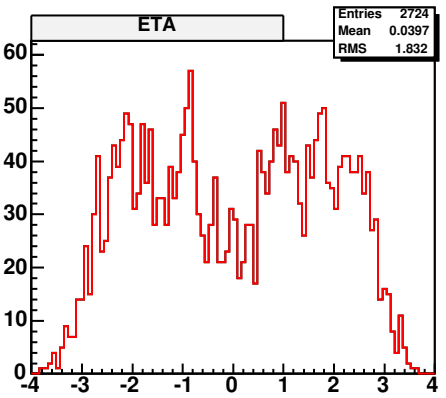

SCINT HITS A
Entries 2706
Mean 0.6098
RMS 0.4878

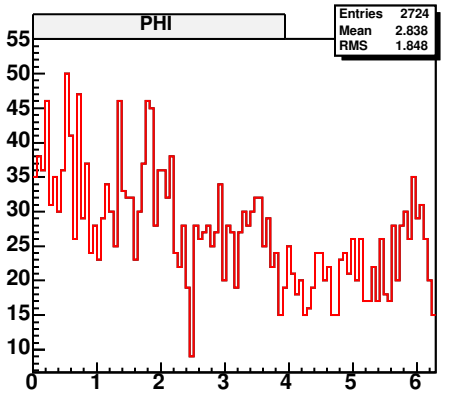

SCINT HITS BC
Entries 2706
Mean 0.002217
RMS 0.04704

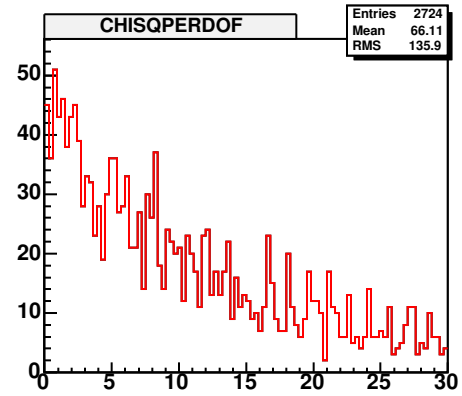
Muons (Astub)

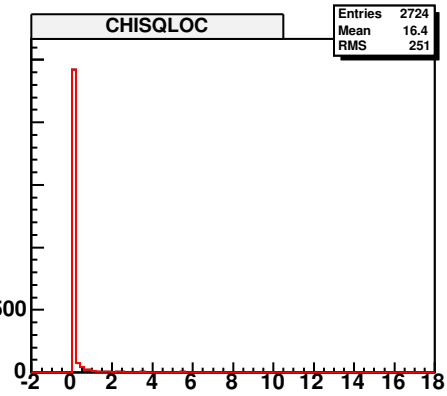


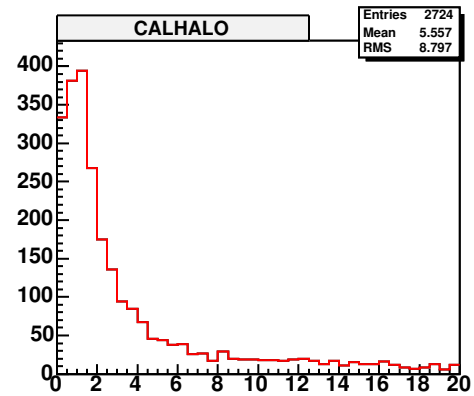


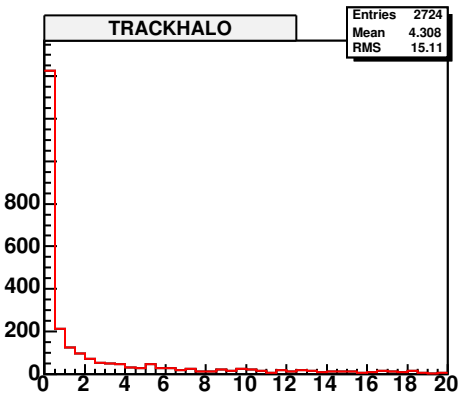


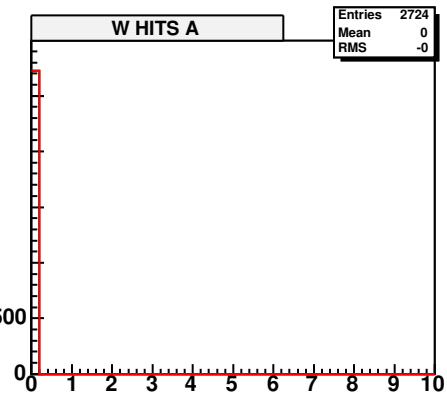


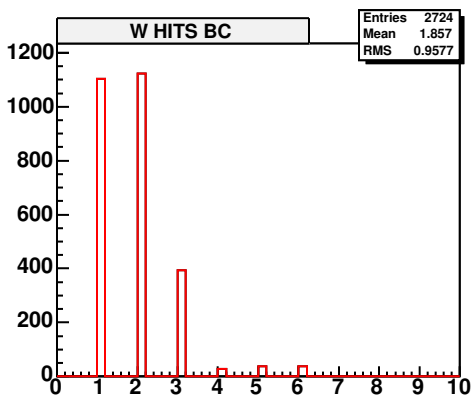


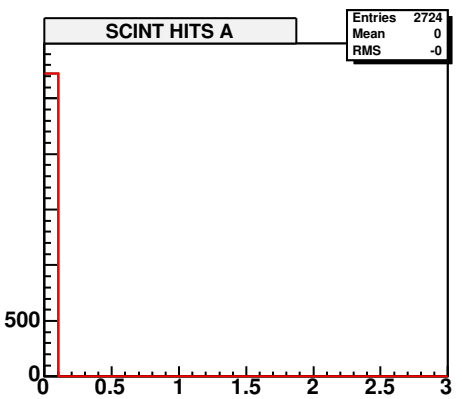


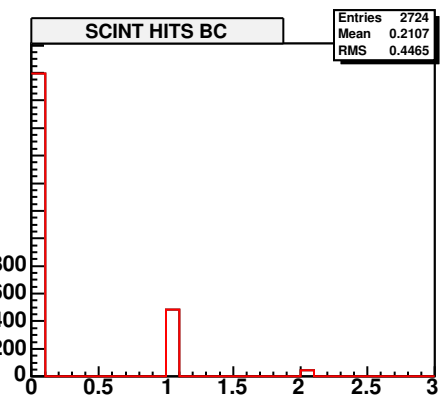




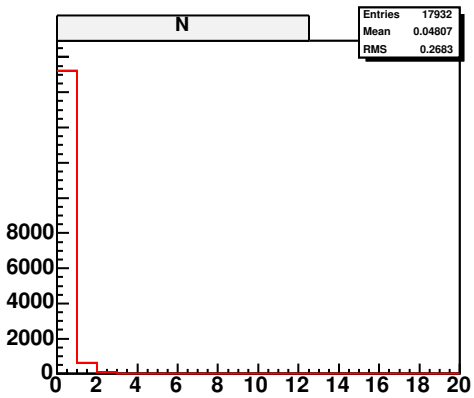


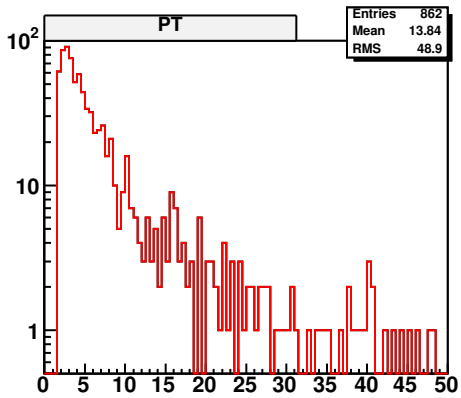


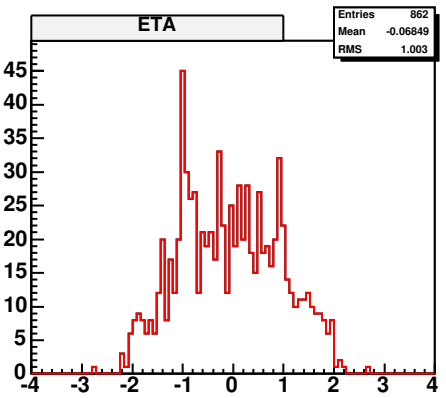


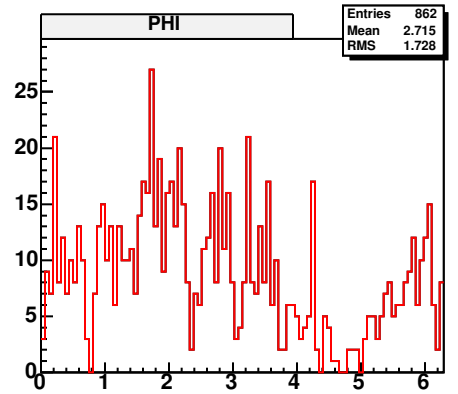


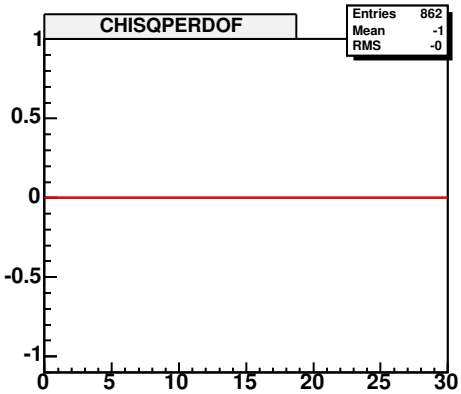
Muons (BCstub)

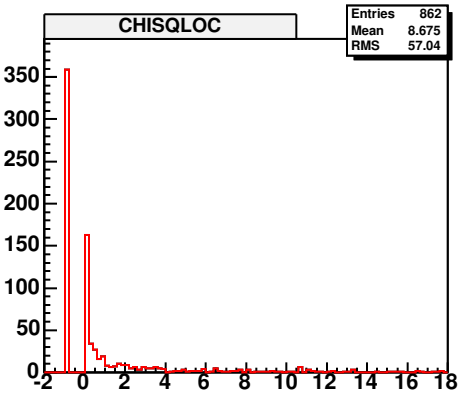


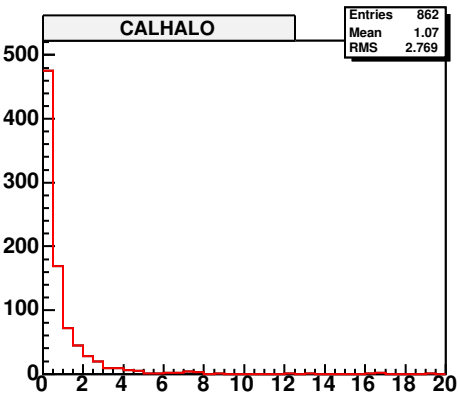


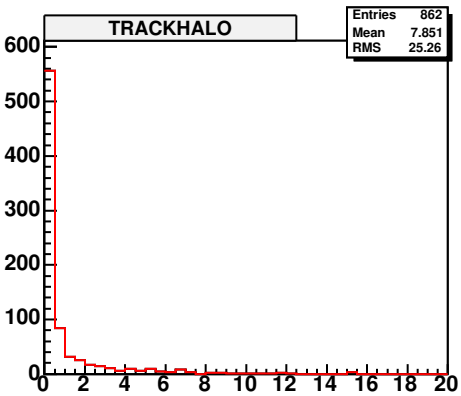


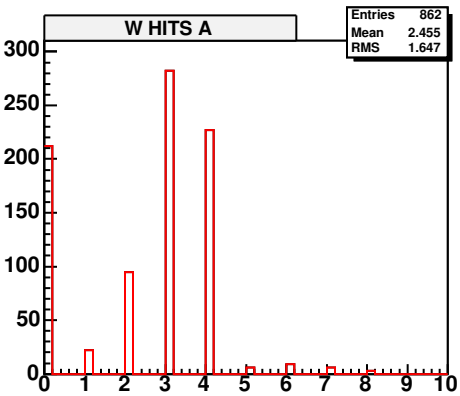


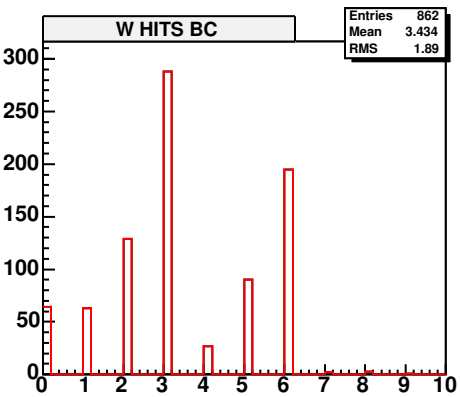


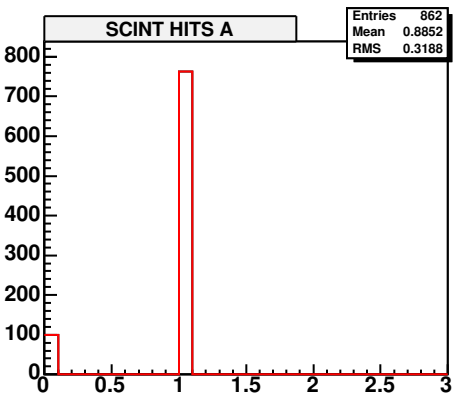


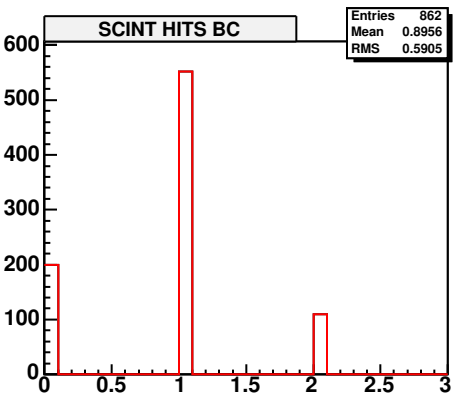




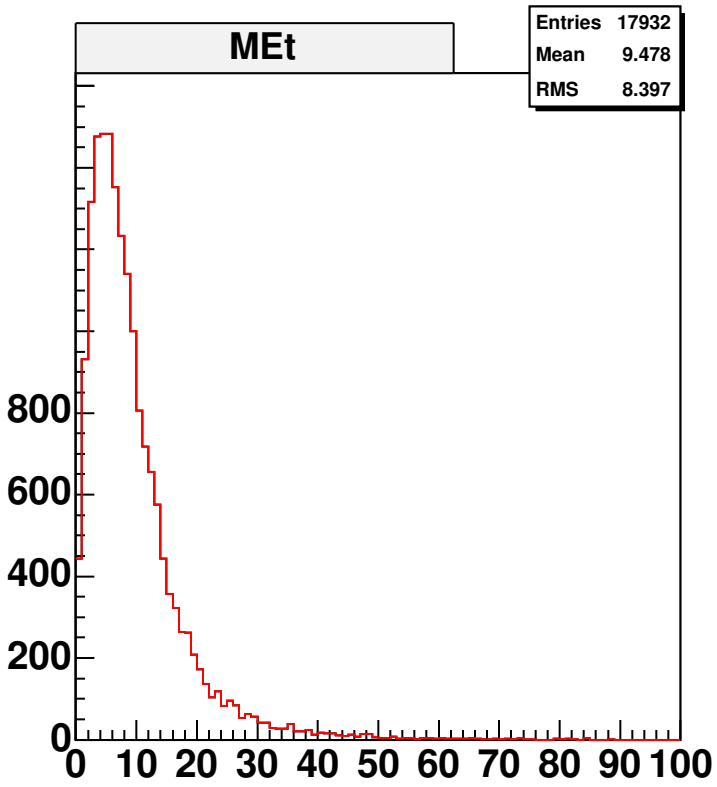








Muons (Unmatched)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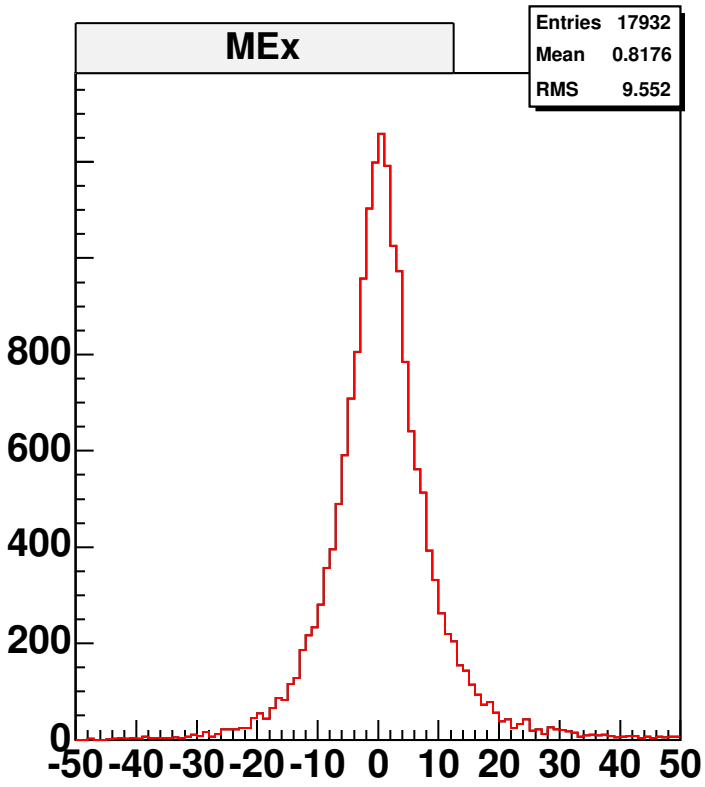
Entries 17932
Mean 9.478
RMS 8.397
800
600
400
200
0
0 10 20 30 40 50 60 70 80 90 100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600
400
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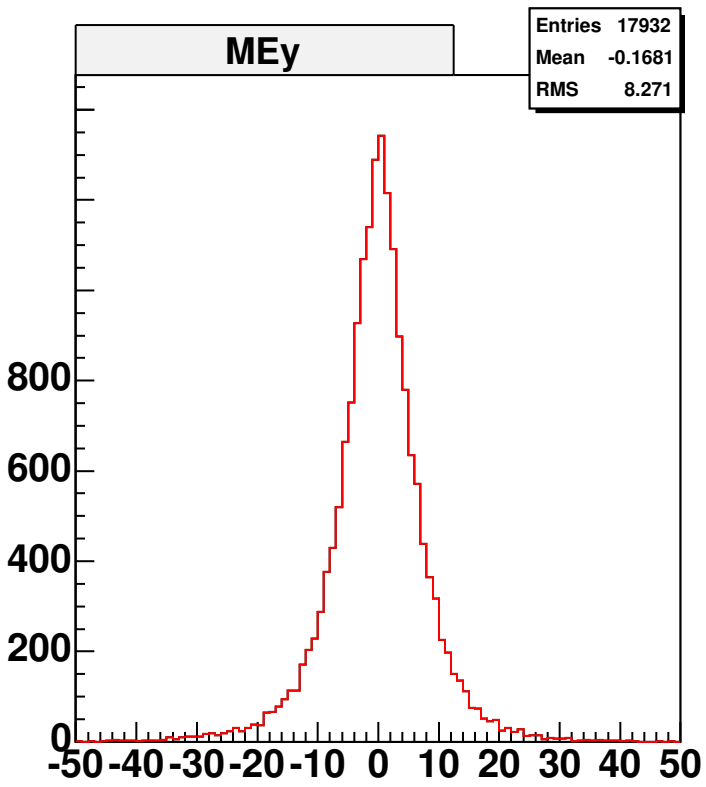
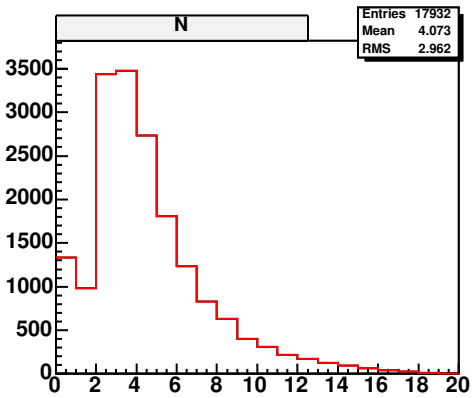
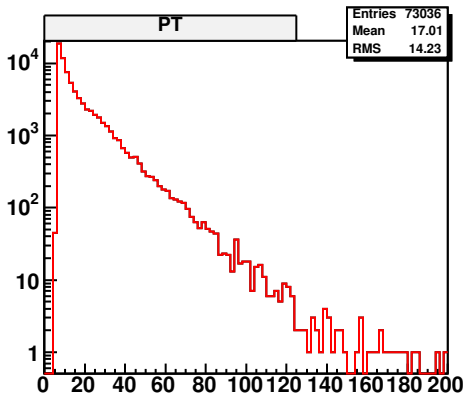
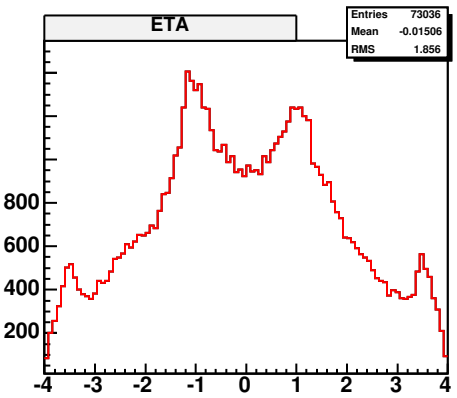
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

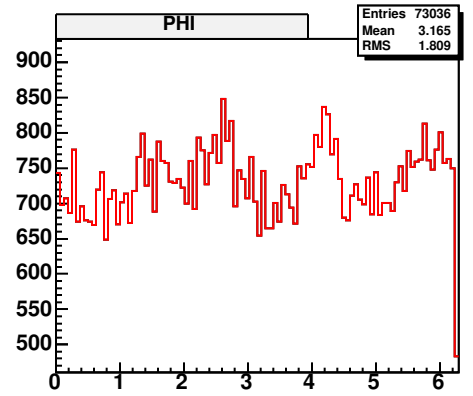

MEy
Entries 17932
Mean -0.1681
RMS 8.271
800
600
400
200
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

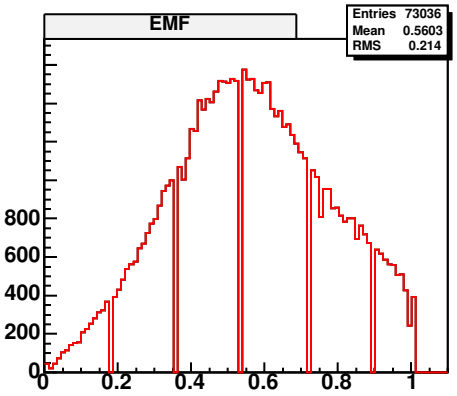
Met (No cuts)

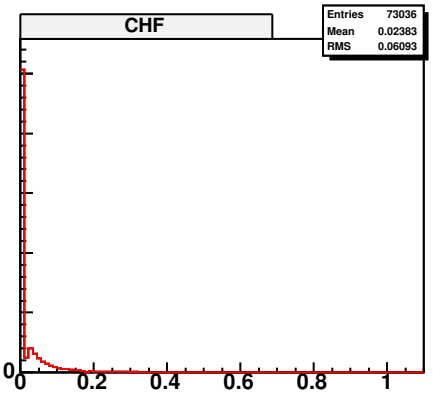


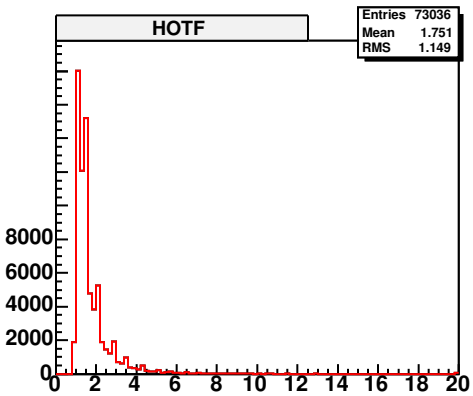


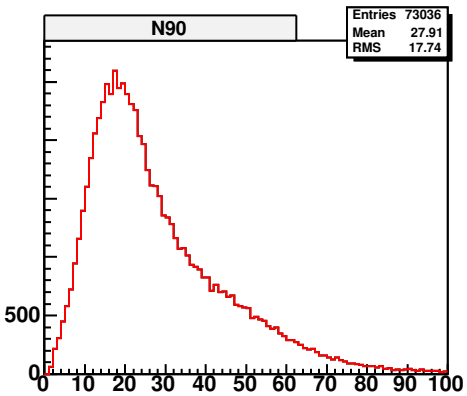


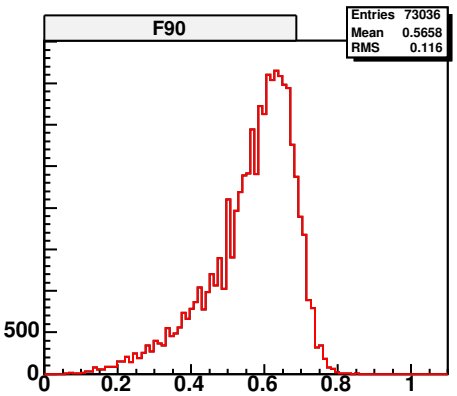


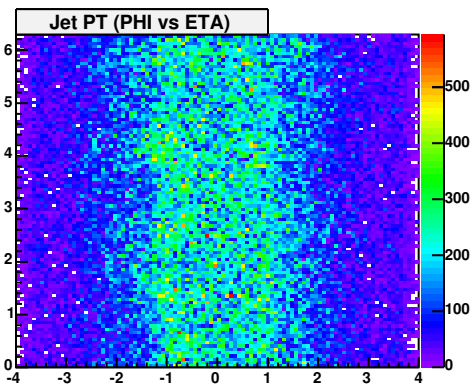




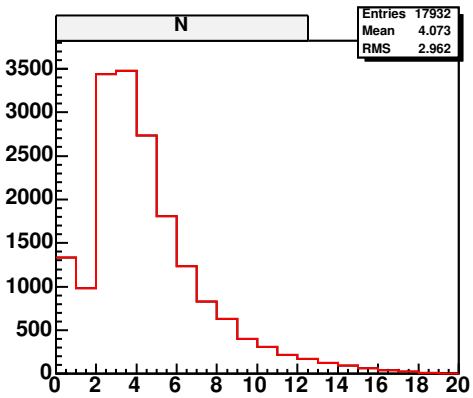


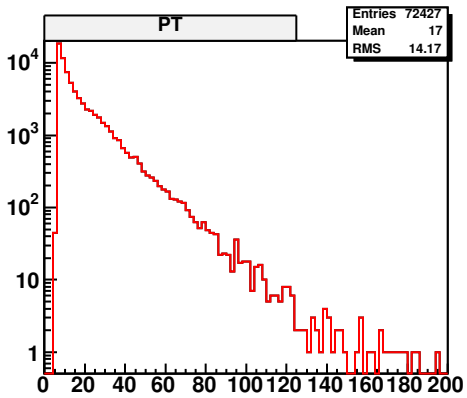


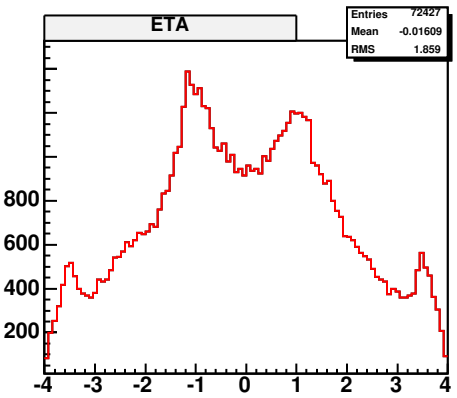


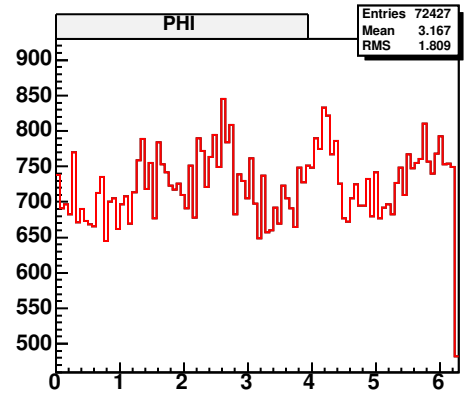


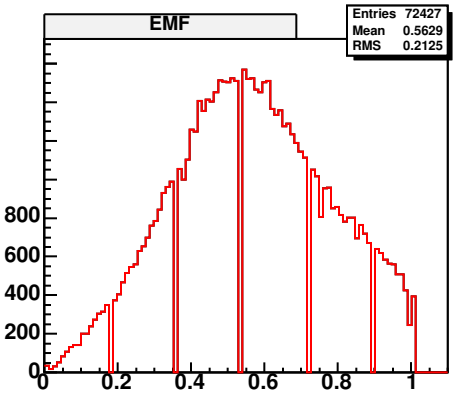
Jets (Cone R 0.7 (no cuts))

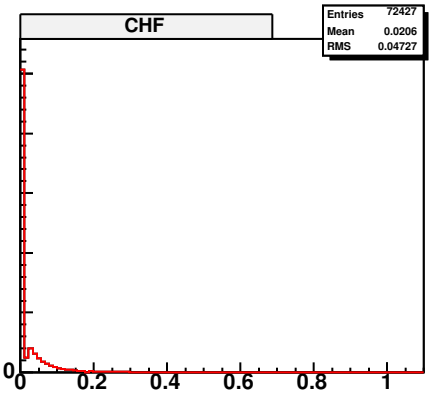


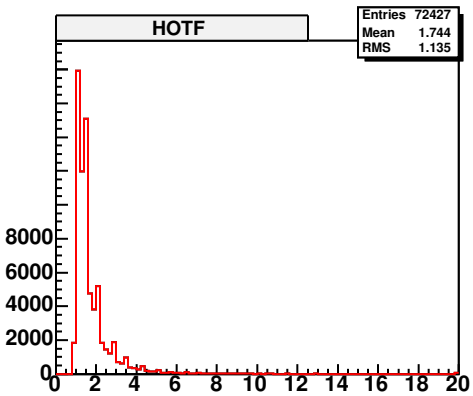


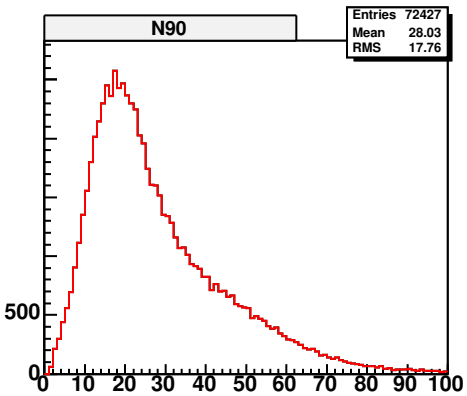


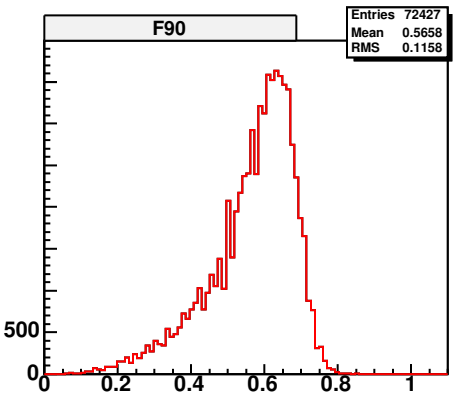


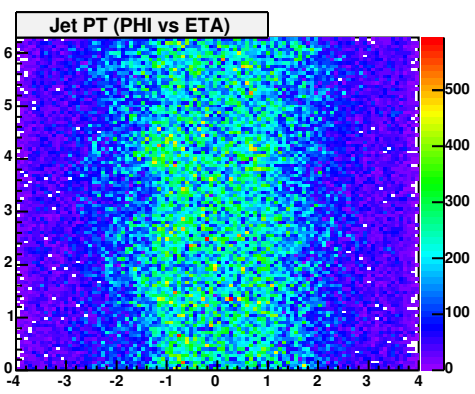




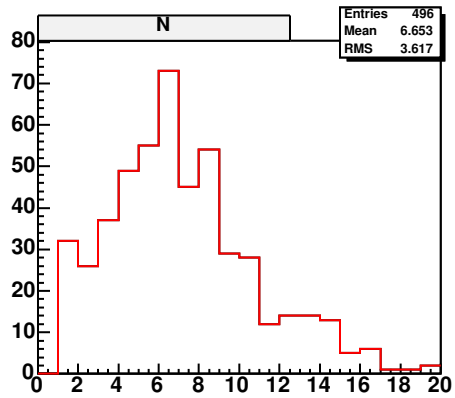


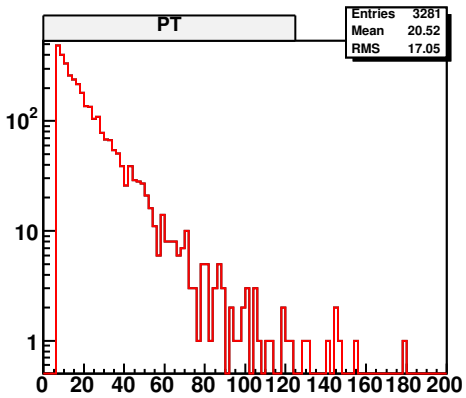


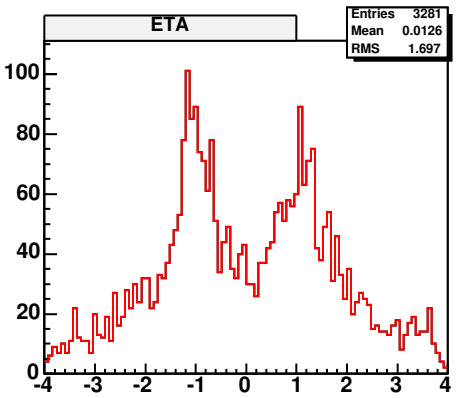


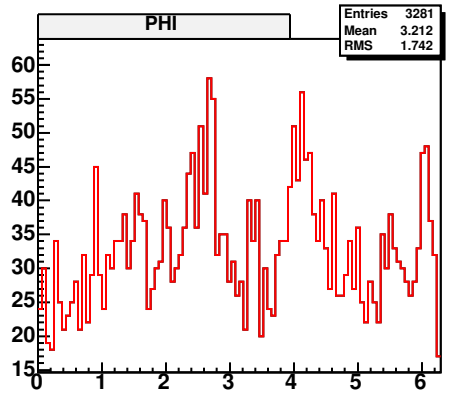


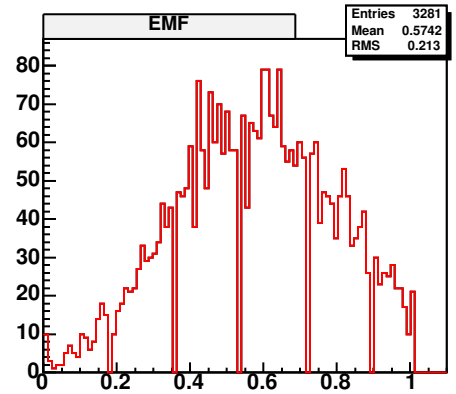
Jets (Cone R 0.7 (standard cuts))

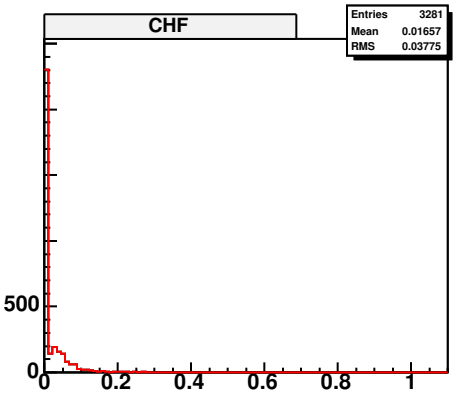


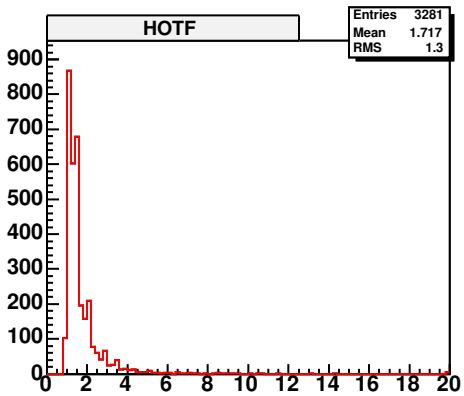


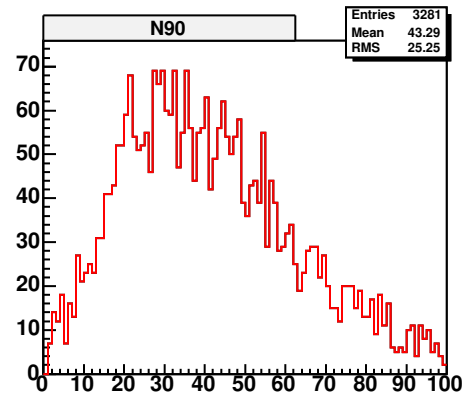


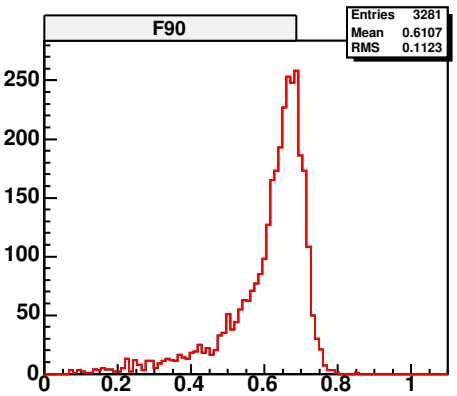


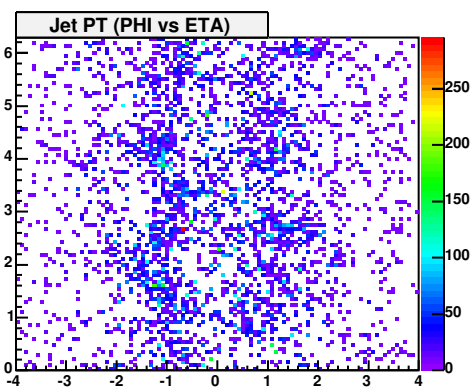




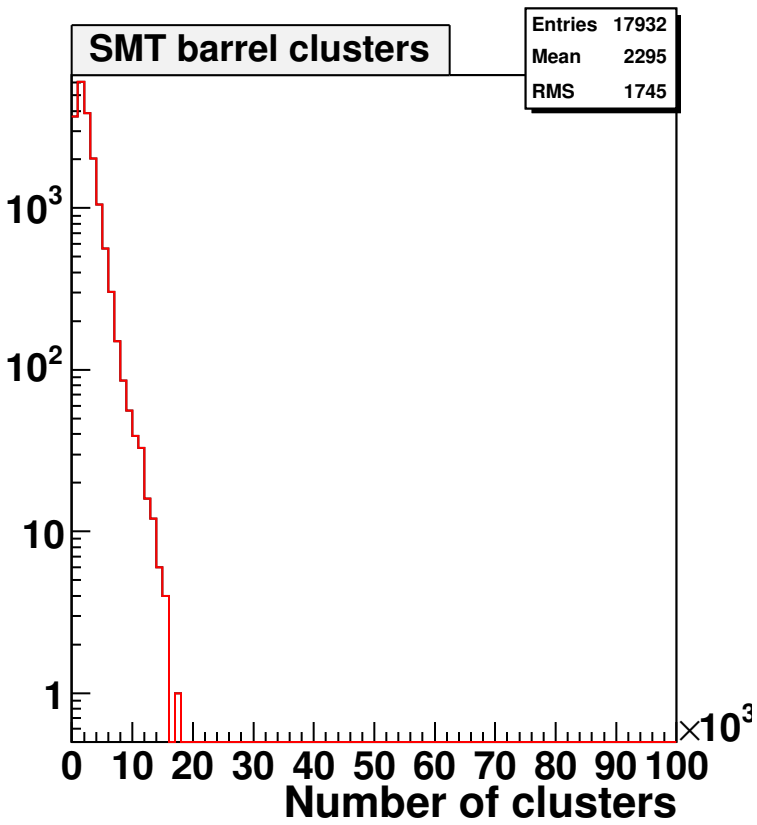


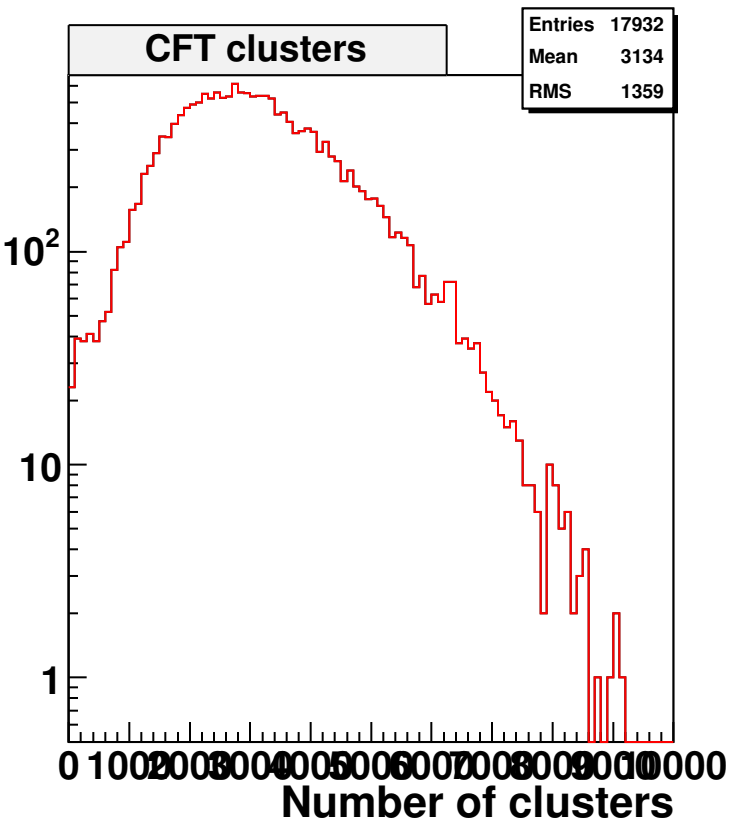


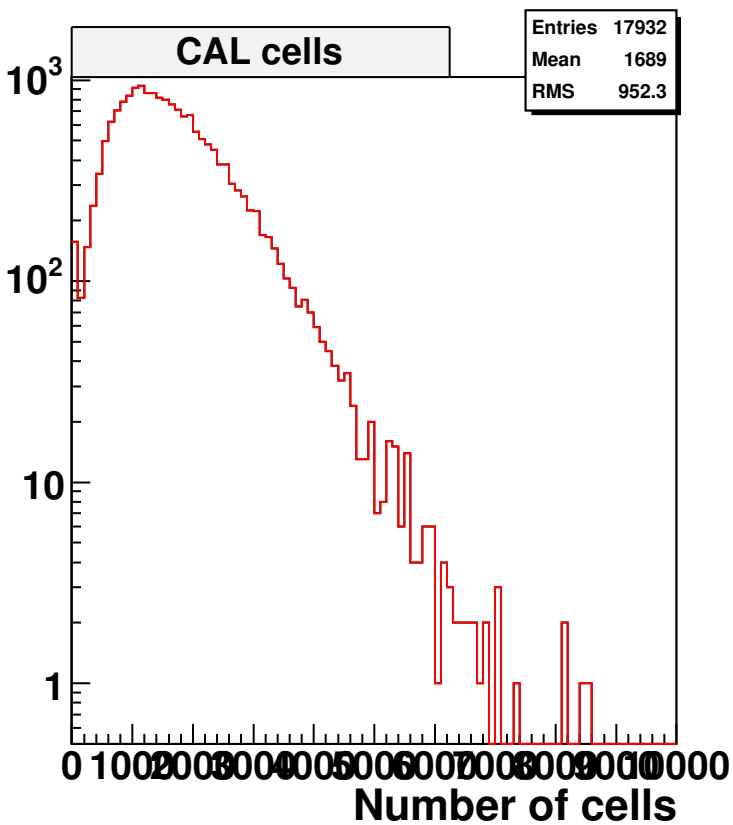


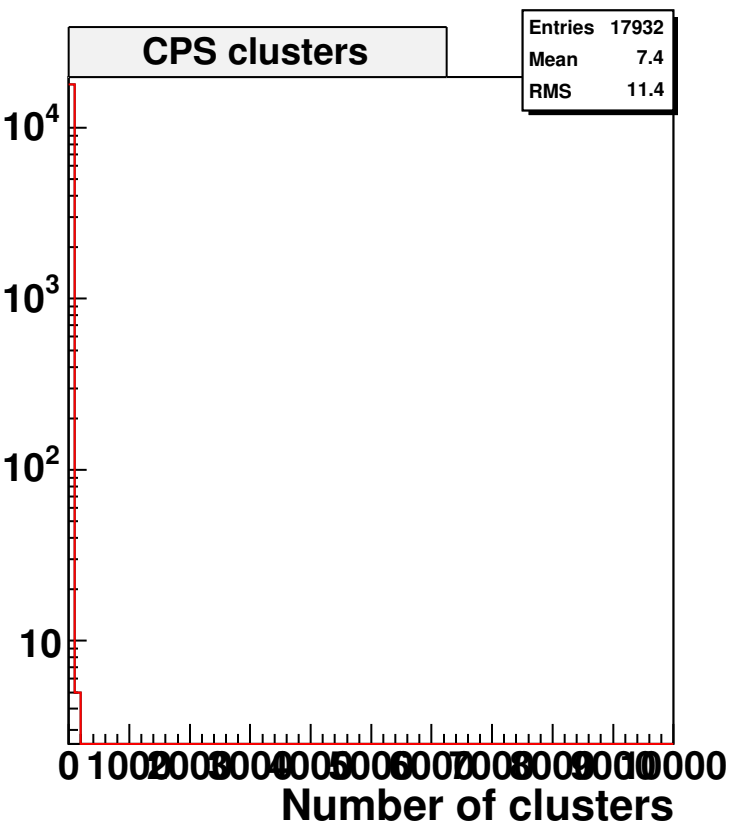


Jets (Cone R 0.7 (standard cuts, MET>30))

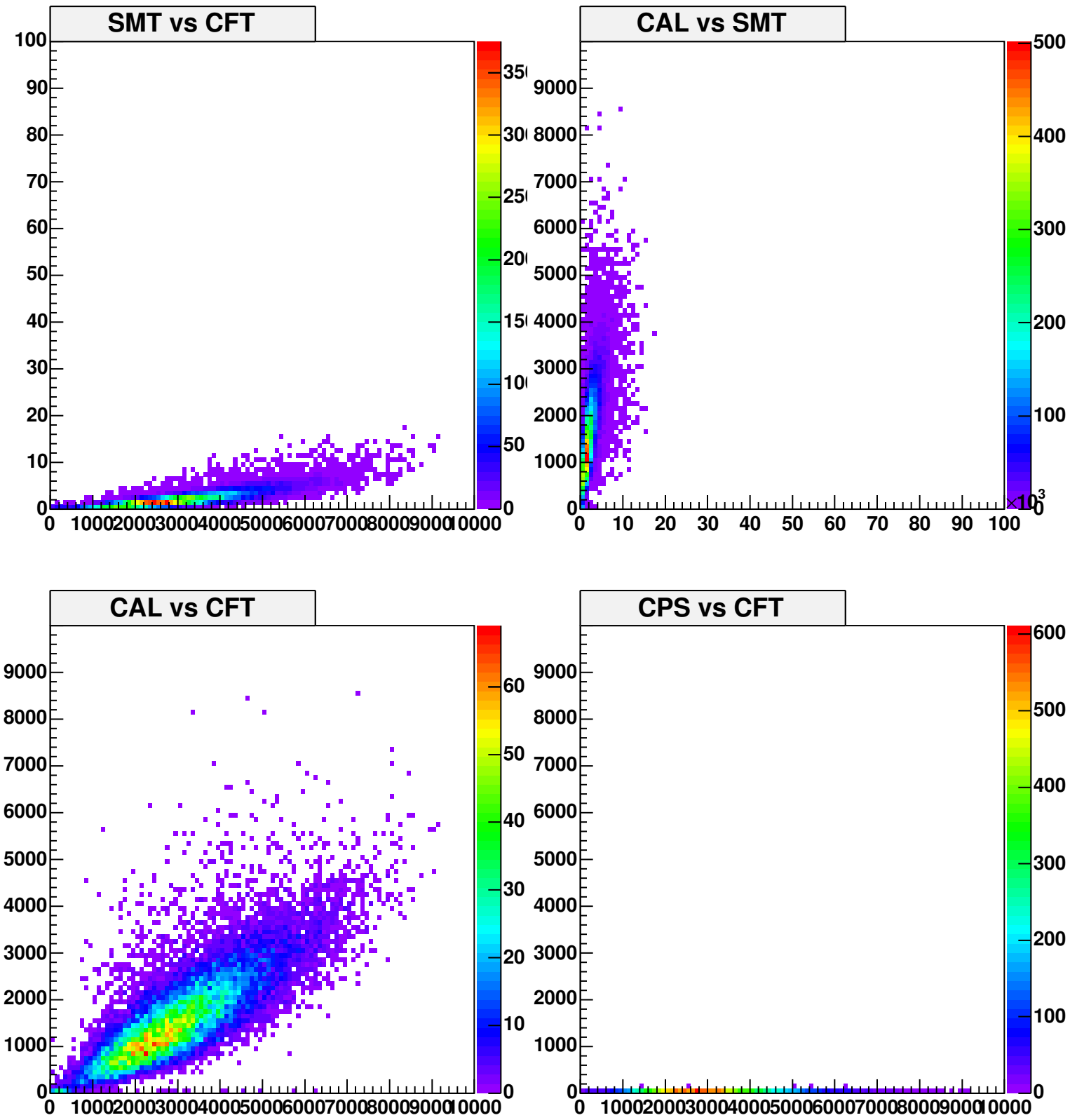


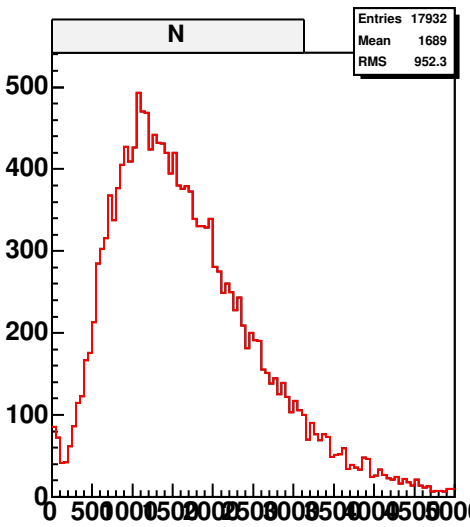


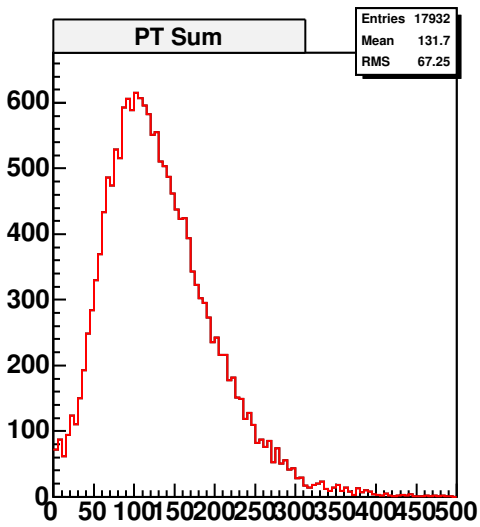


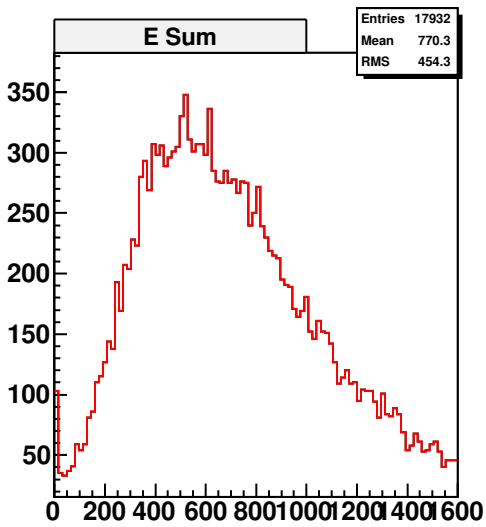


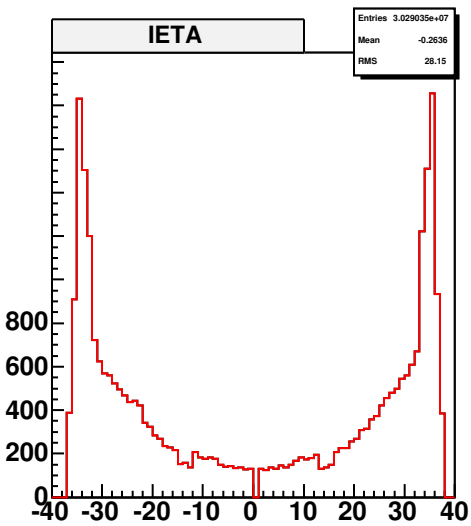
Detector Occupancy (Detector)

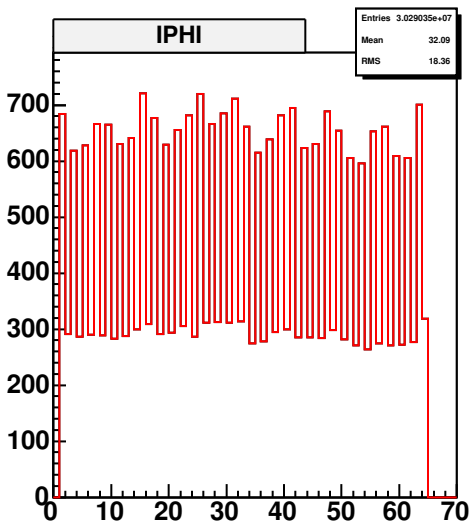

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

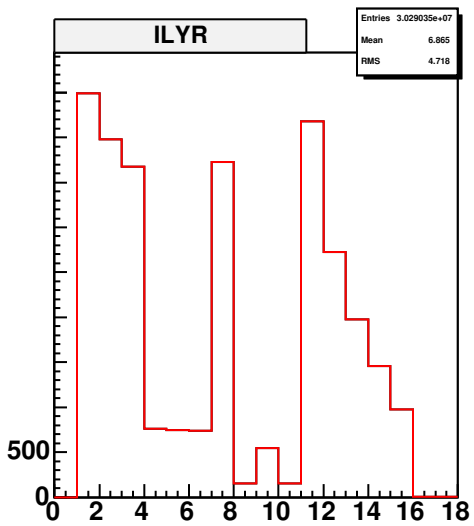


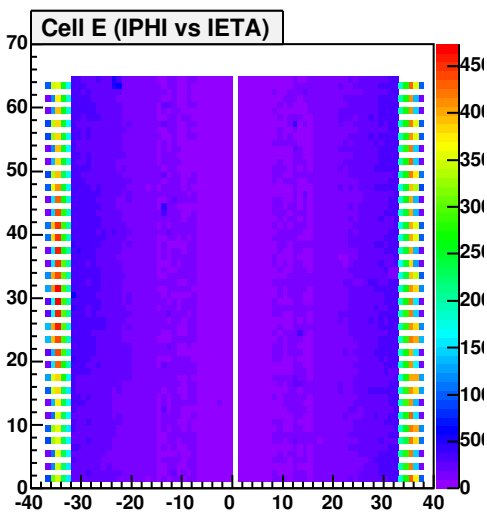


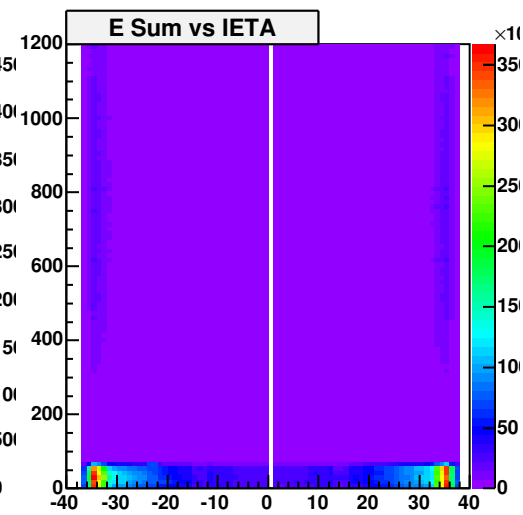


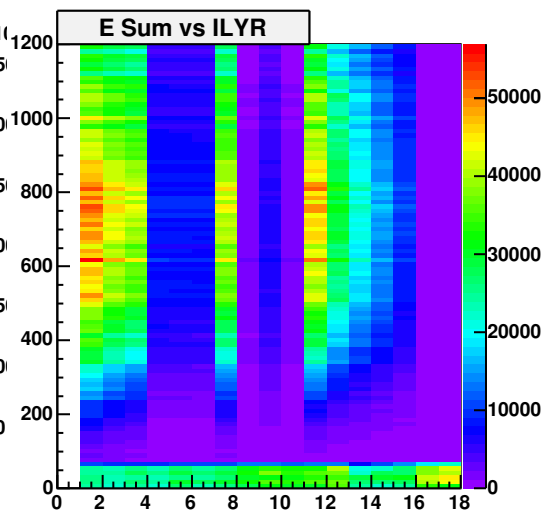




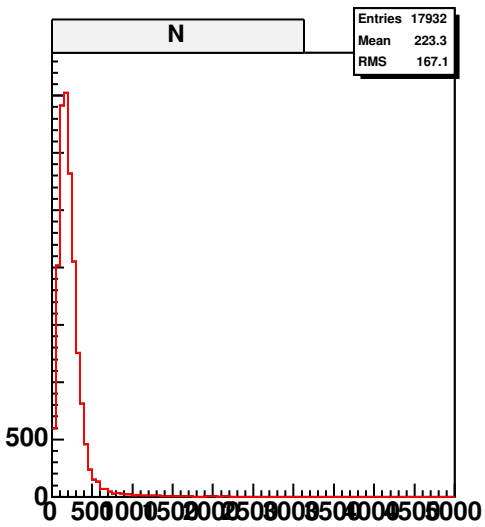


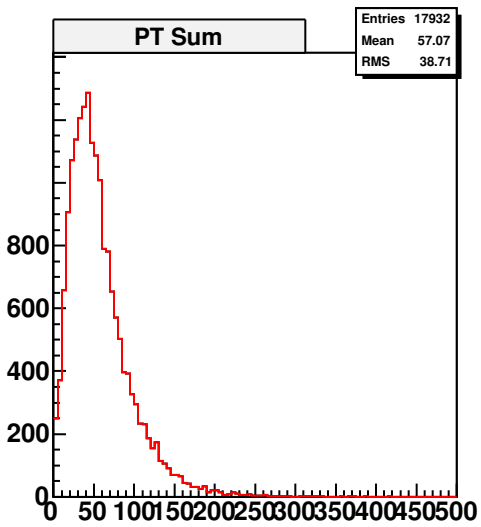


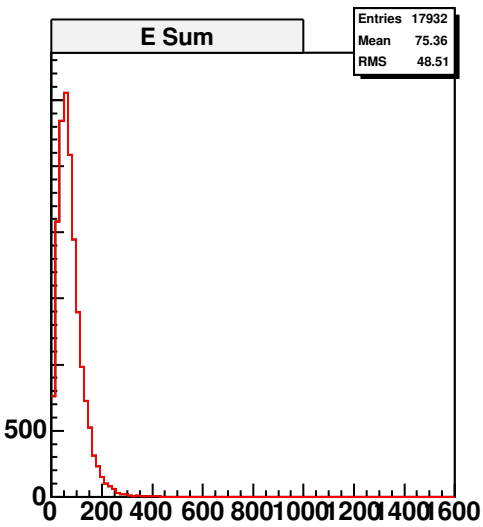


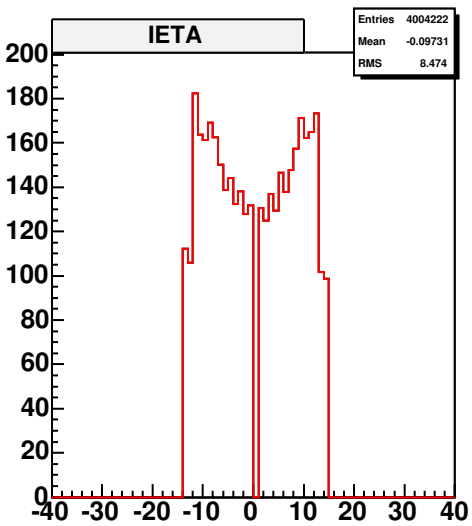


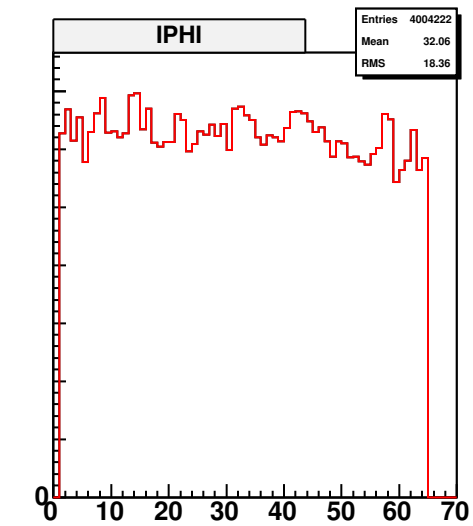
Calorimeter (All cells)

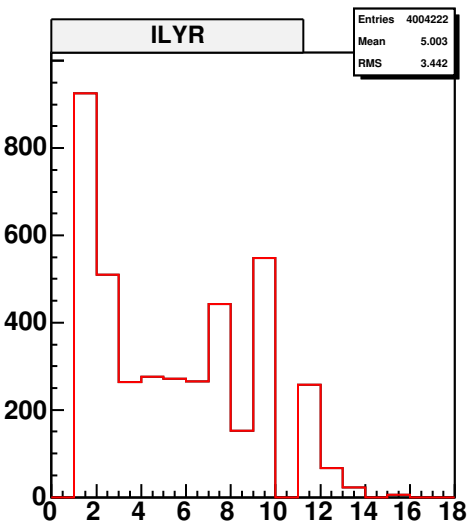


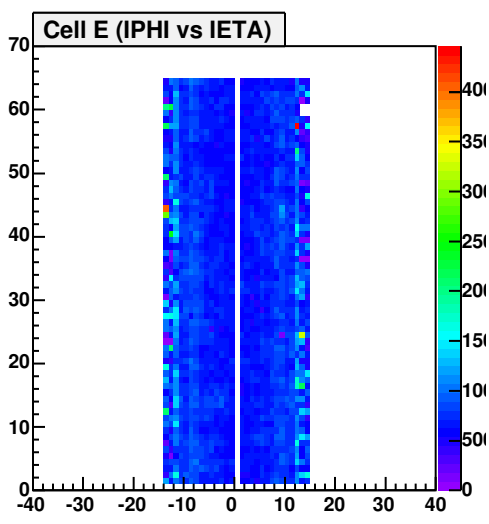


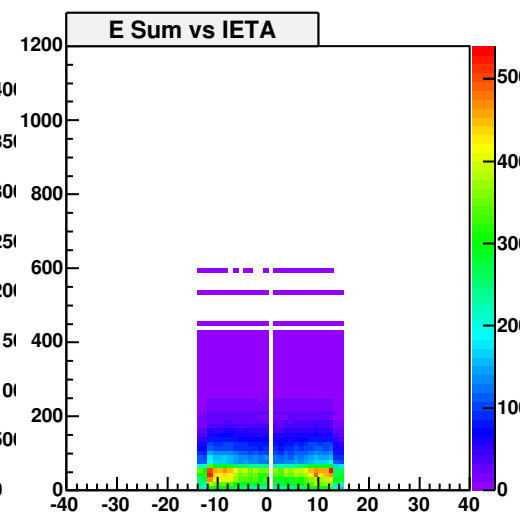


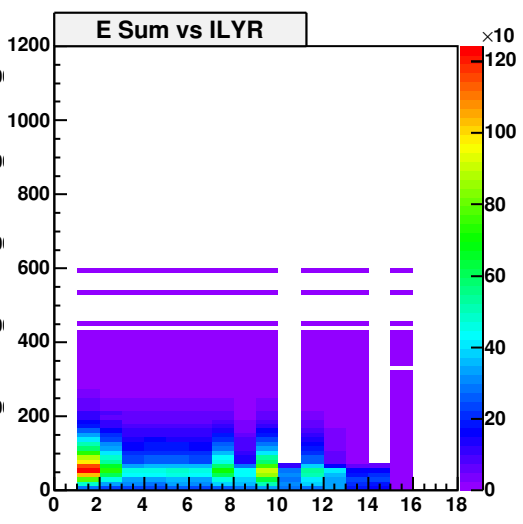




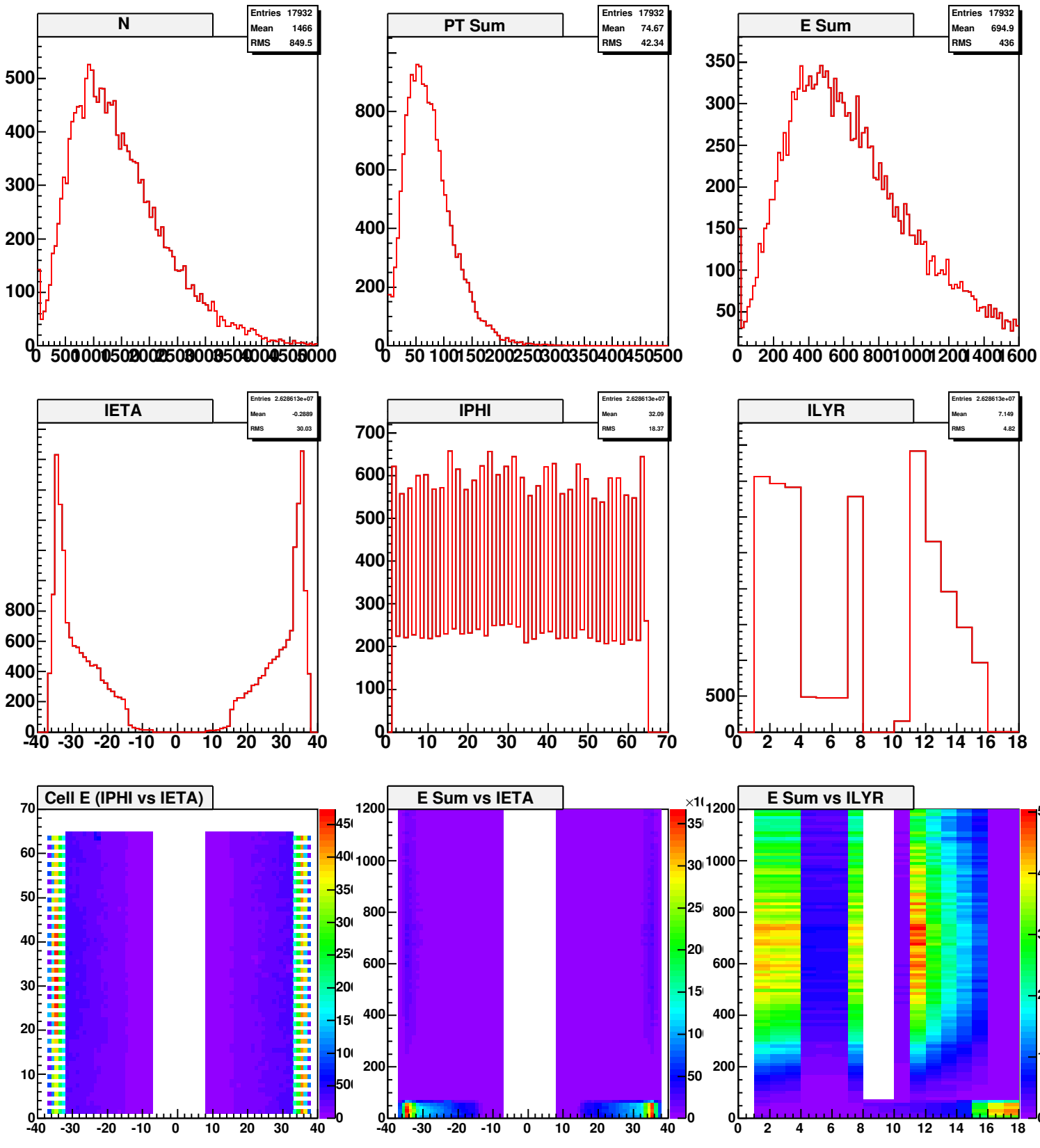




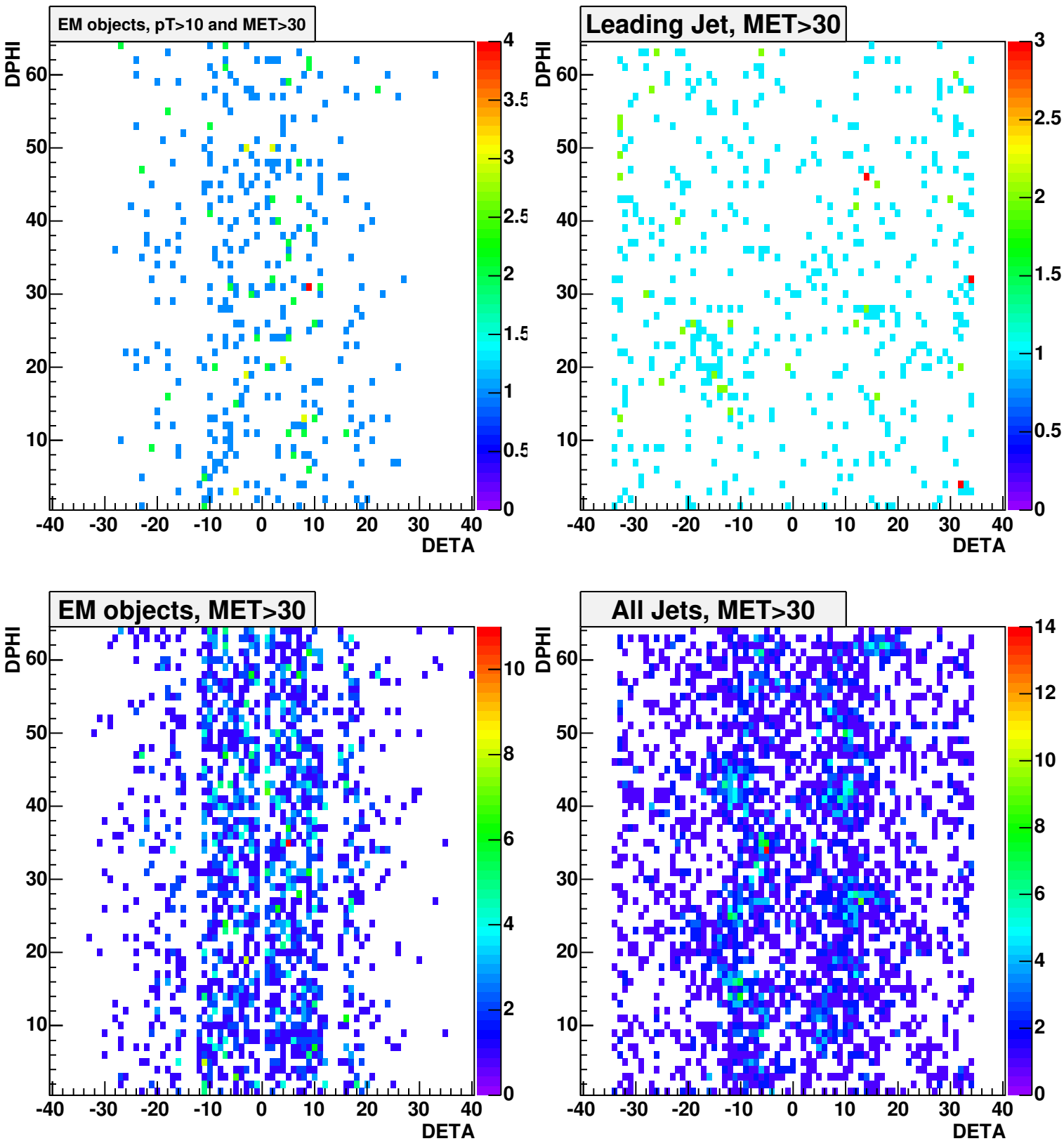




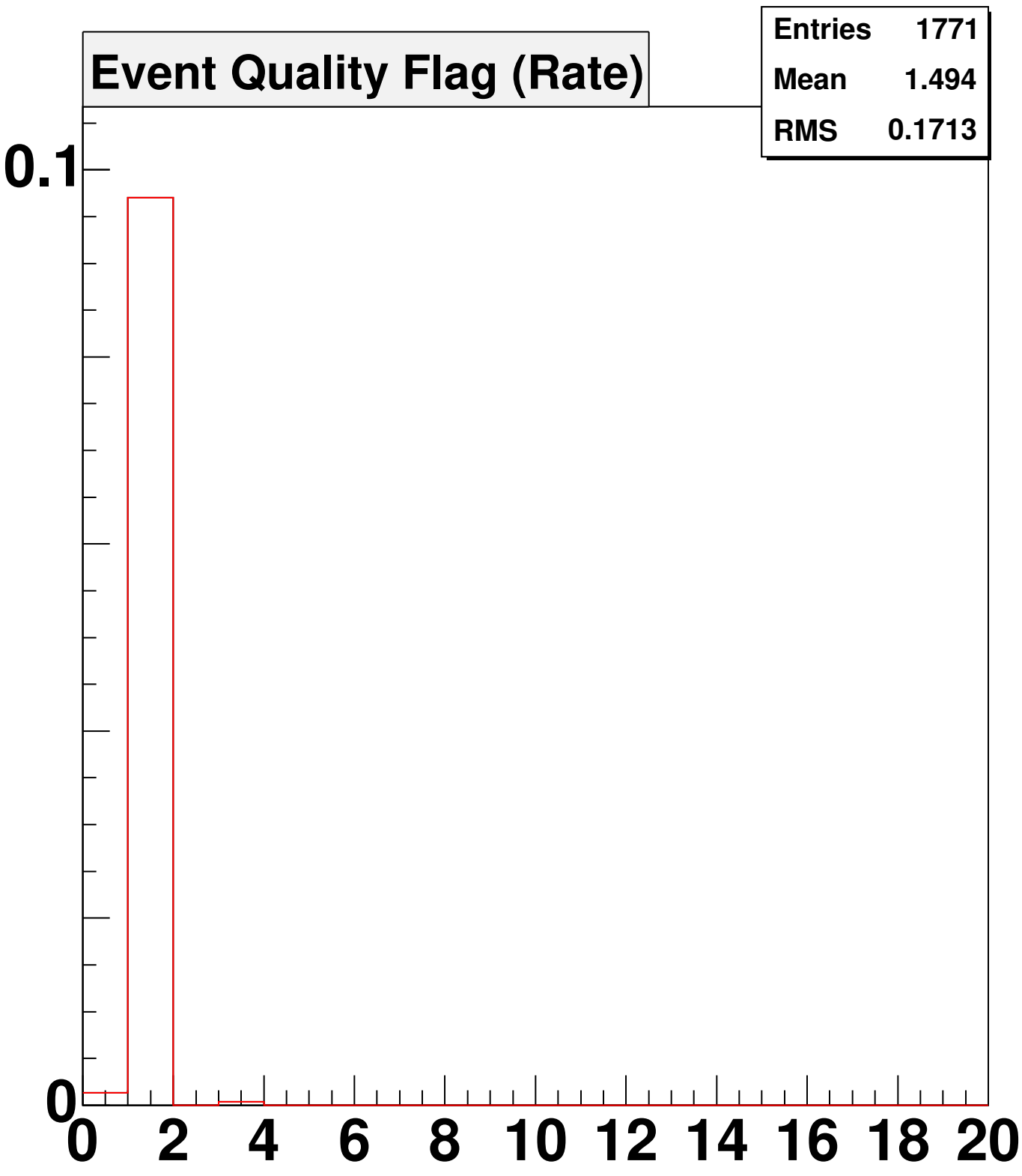
Calorimeter (All CC cells)

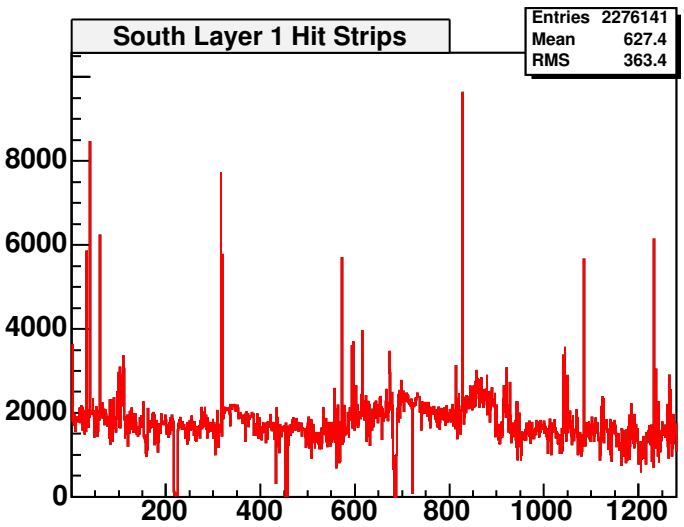


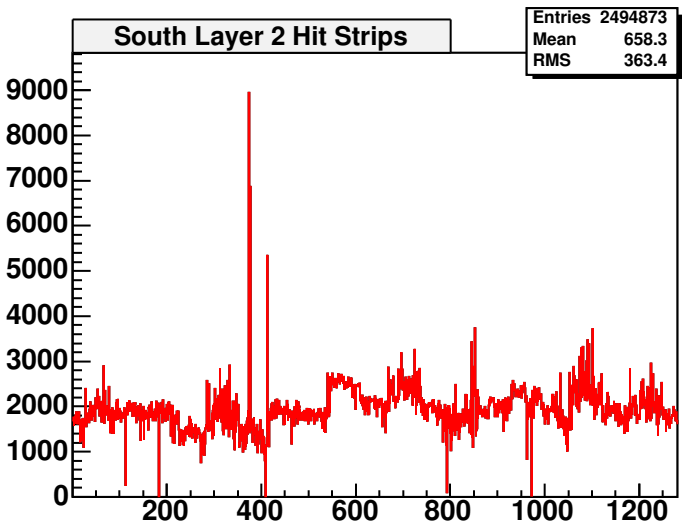
Calorimeter (All EC cells)

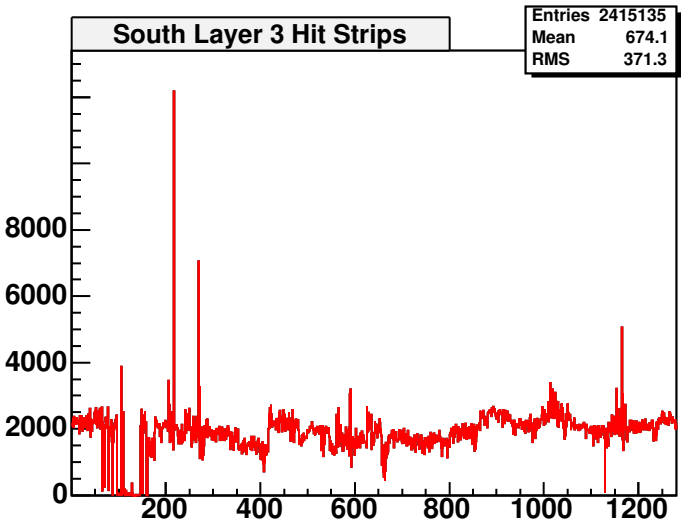


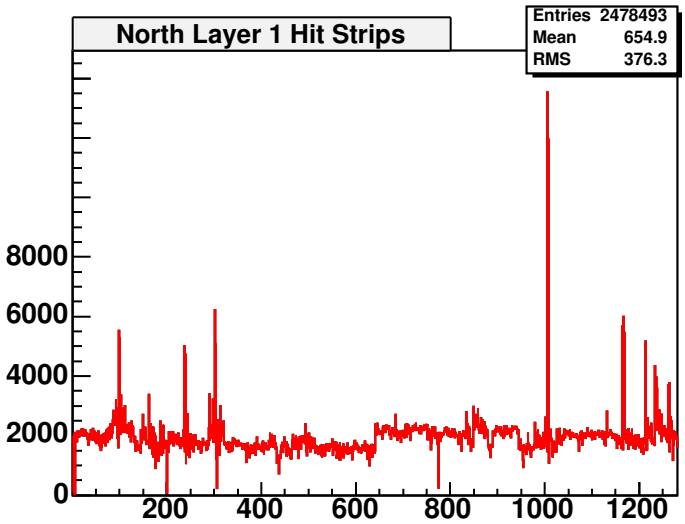
Cal Objects with MET>30 (All cells)

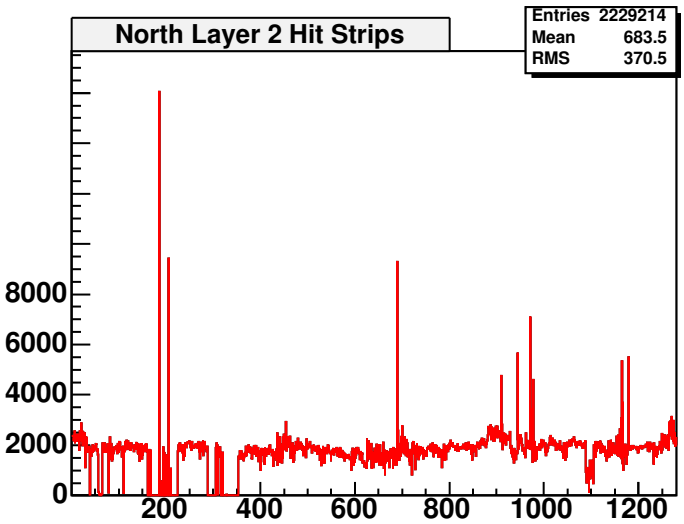

Event Quality Flag (Rate)
Entries 1771
Mean 1.494
RMS 0.1713
0.1
0
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

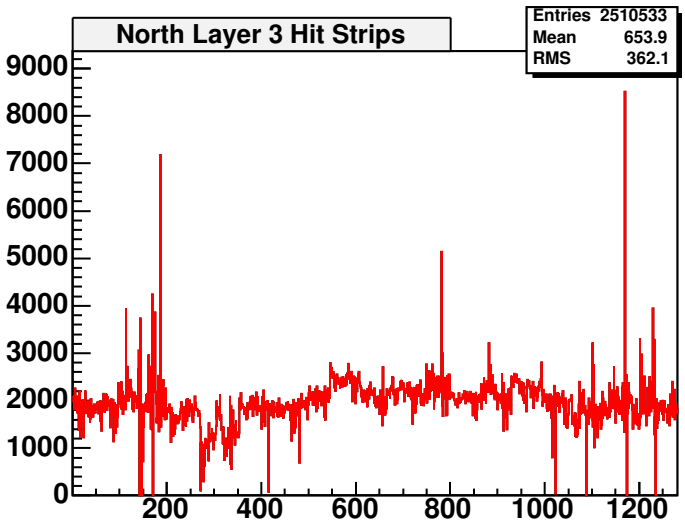




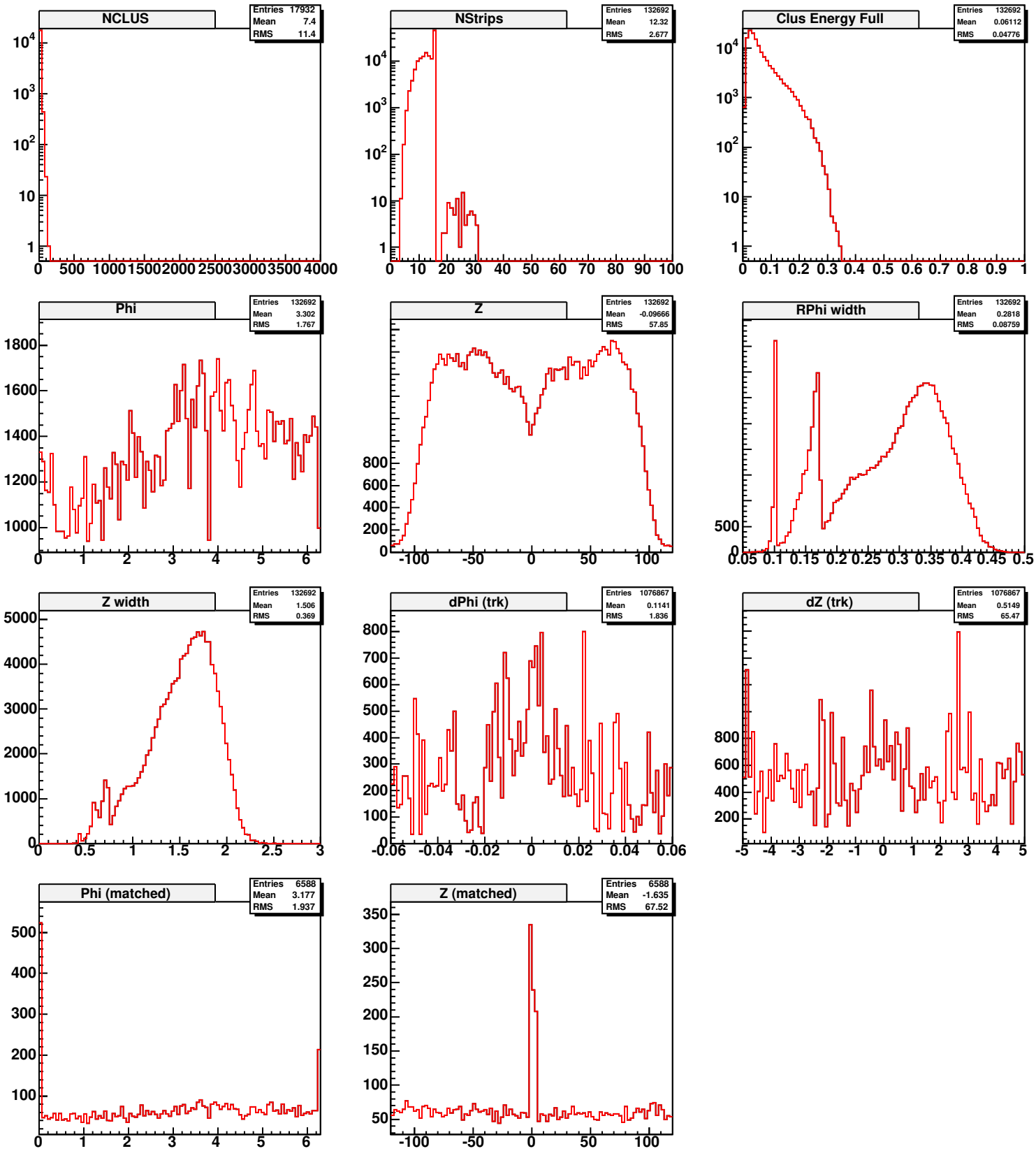




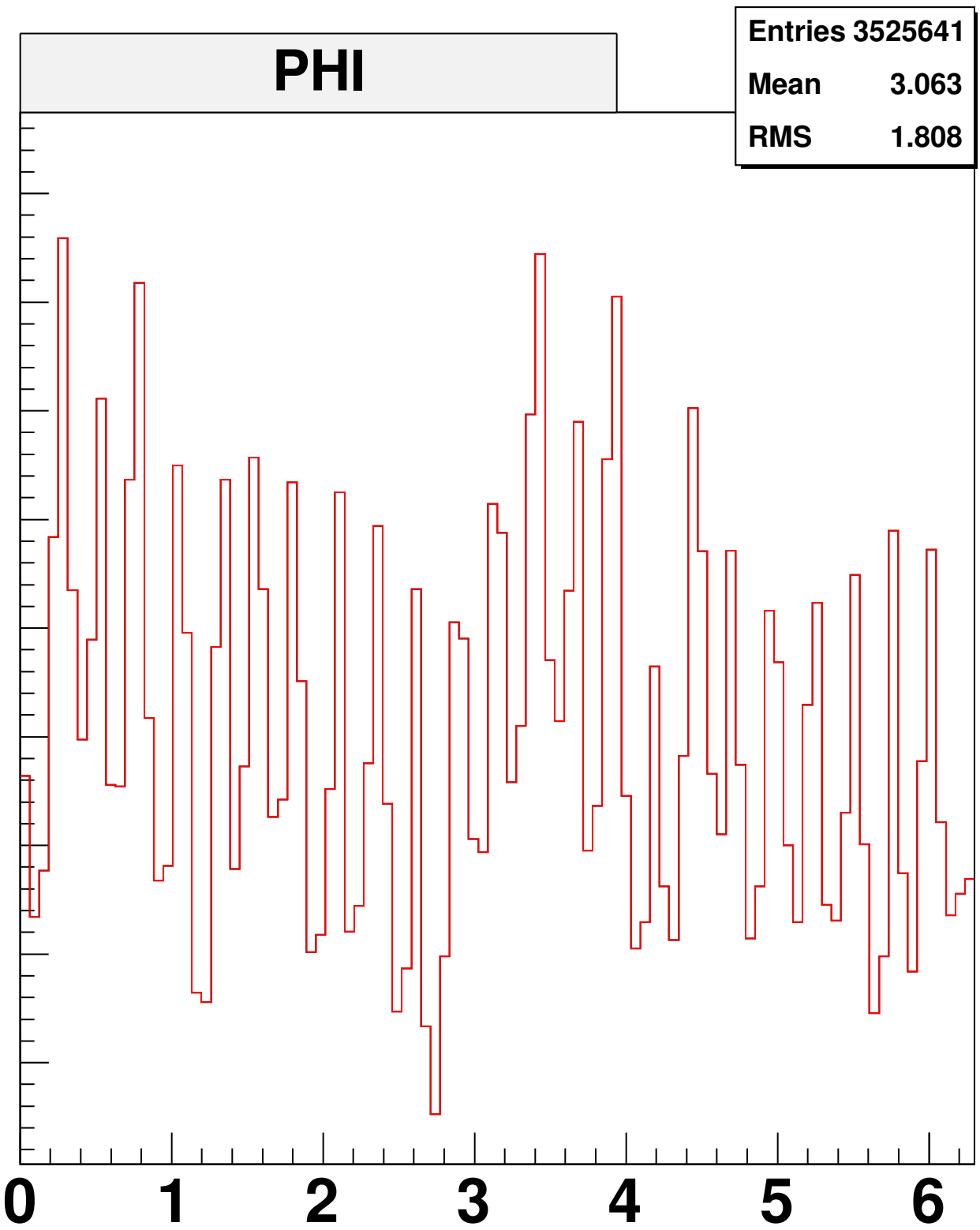


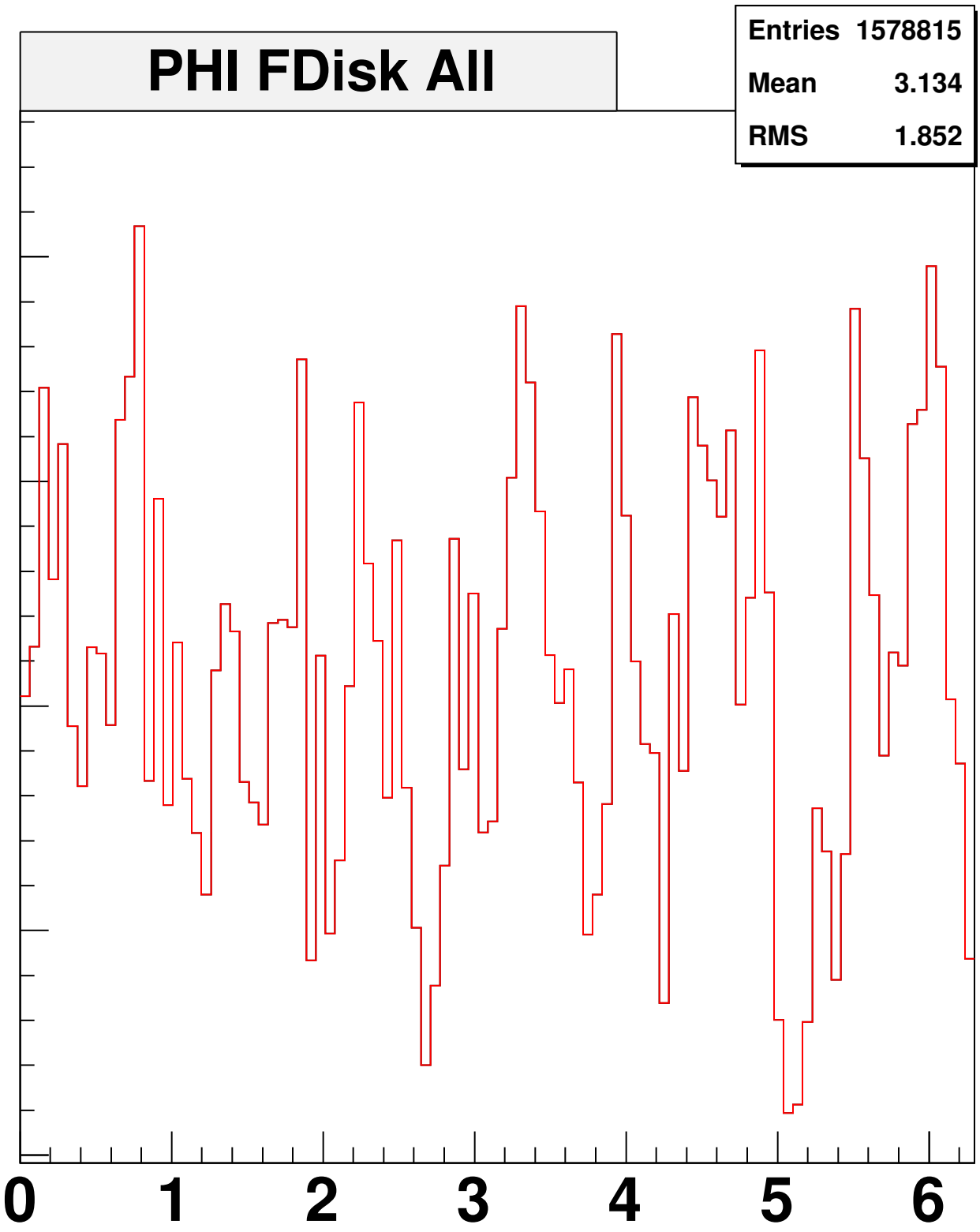


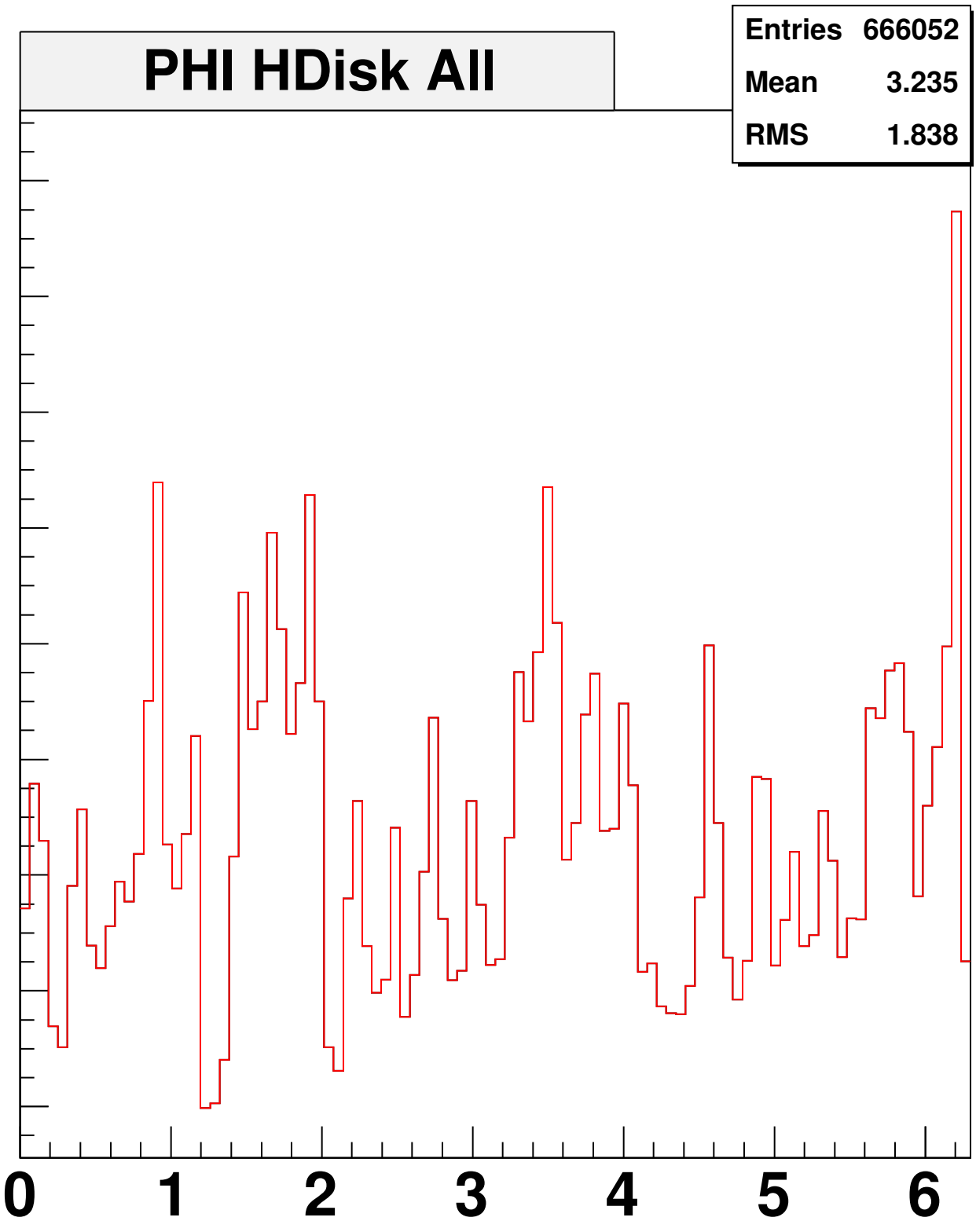
CPS Hit Strips (All Clusters)

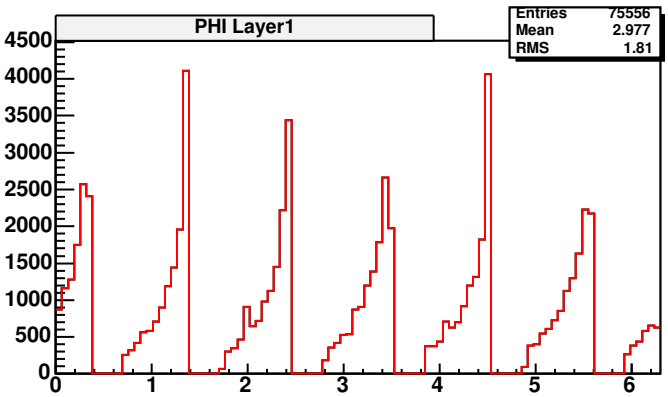


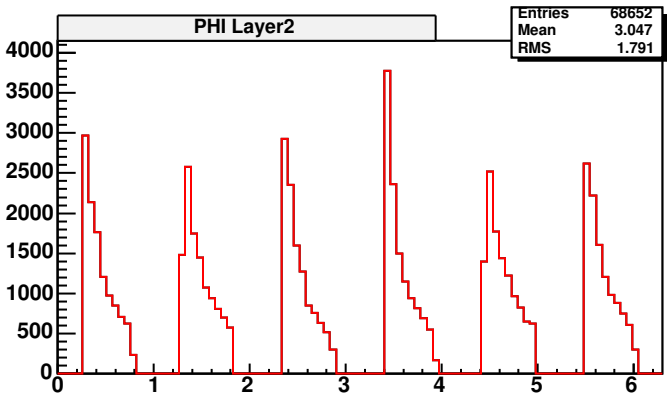
CPS Clusters (All Clusters)

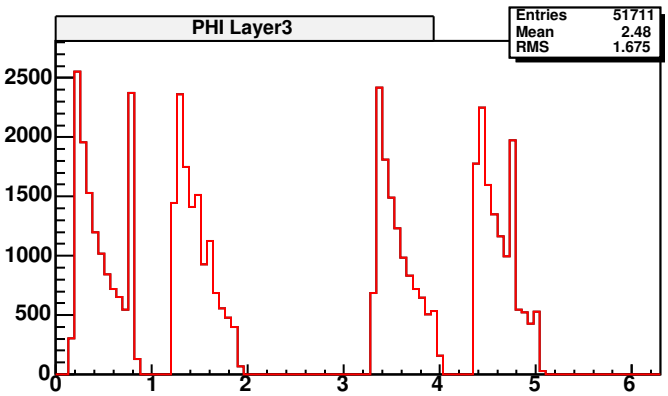

PHI
Entries 3525641
Mean 3.063
RMS 1.808
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

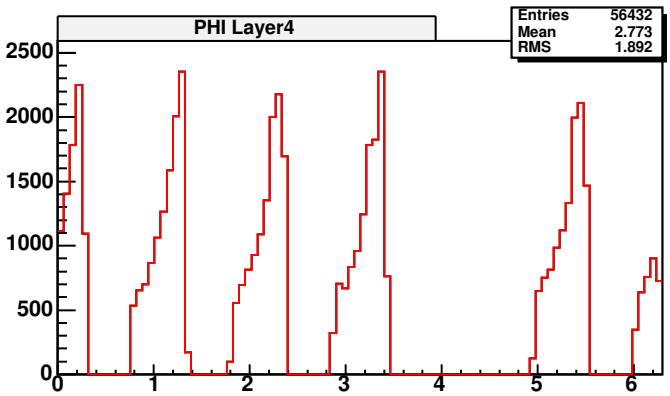

PHI FDisk All
Entries 1578815
Mean 3.134
RMS 1.852
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

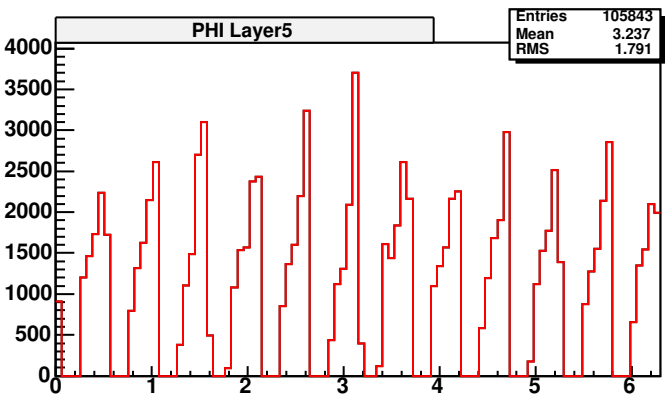

PHI HDisk All
Entries 666052
Mean 3.235
RMS 1.838
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

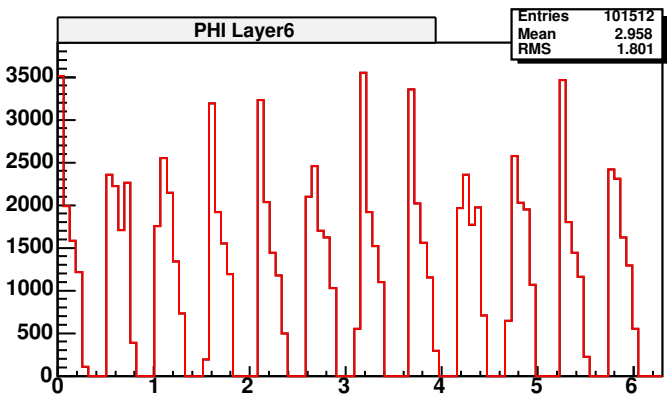


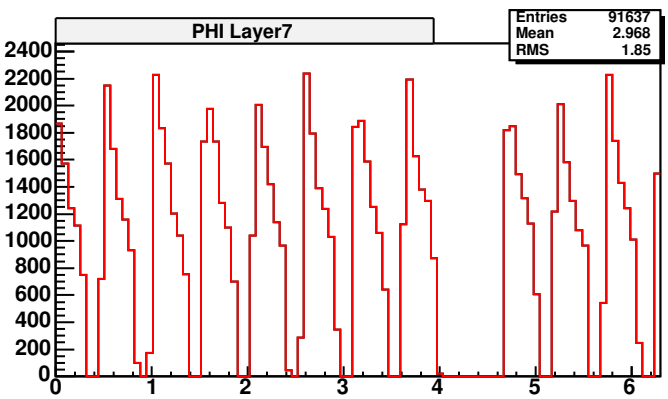


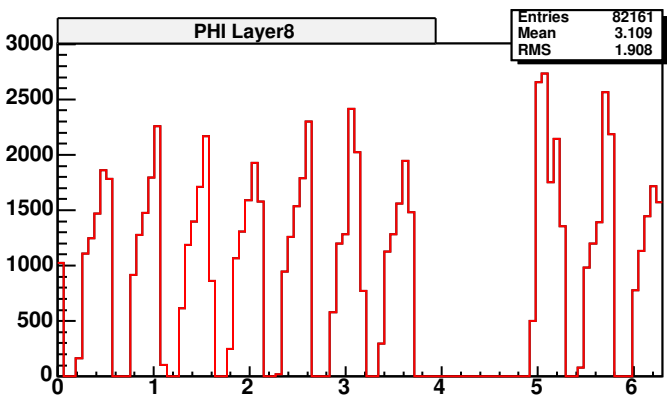




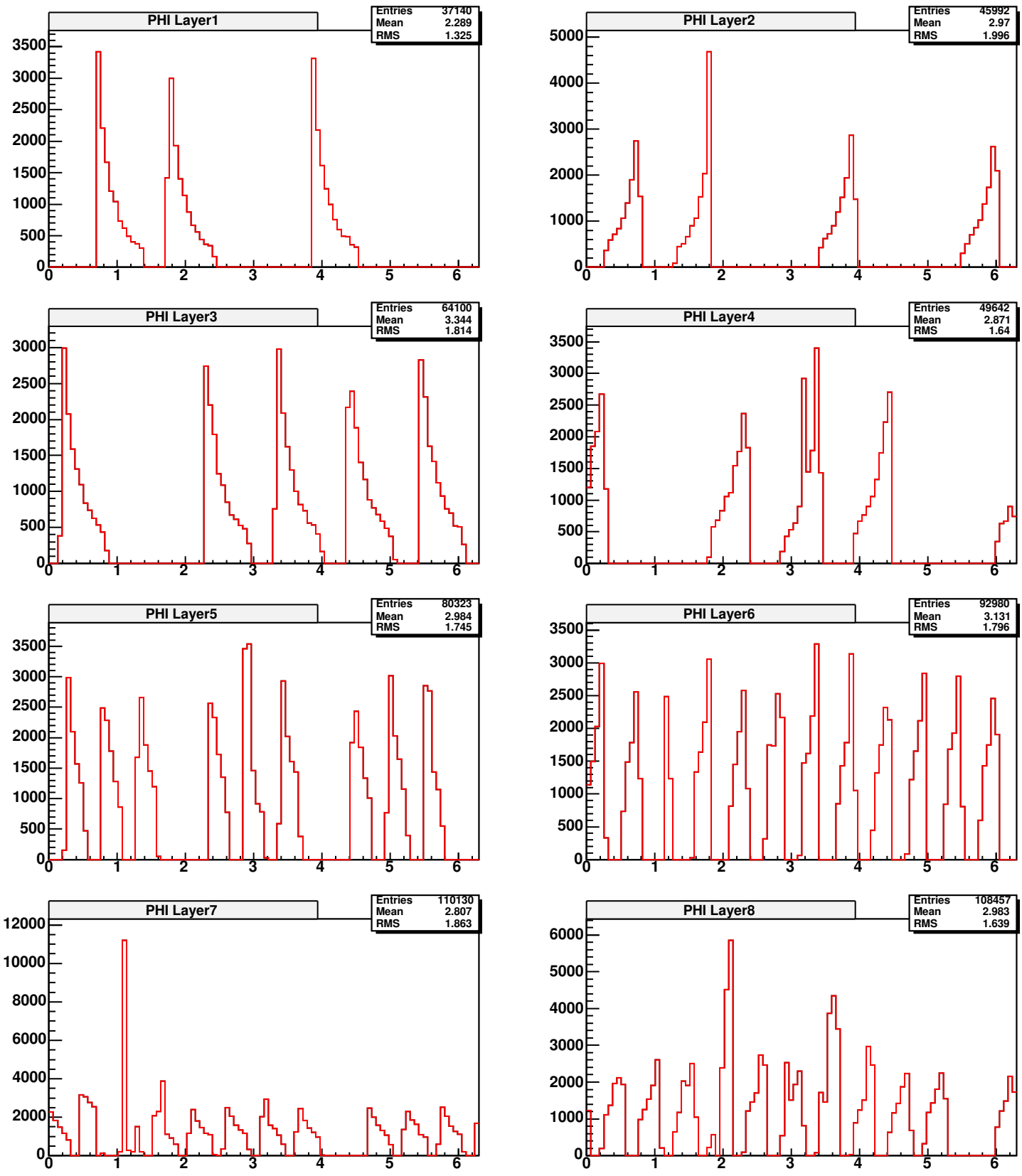




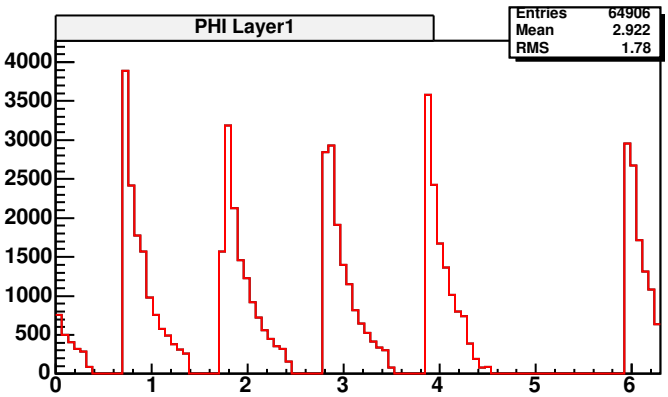


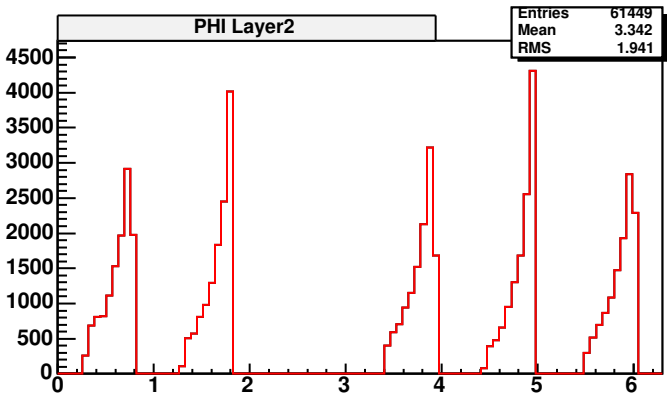


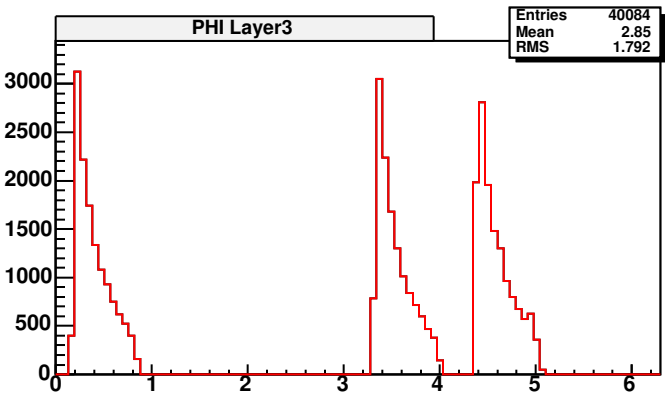
SmtClusters (ClustrBar1)

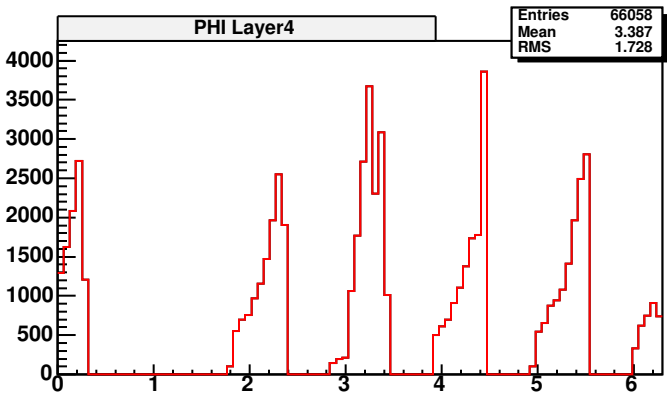


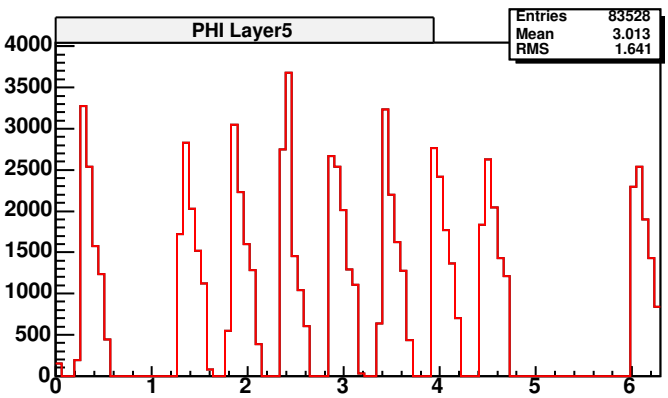
SmtClusters (ClustrBar2)

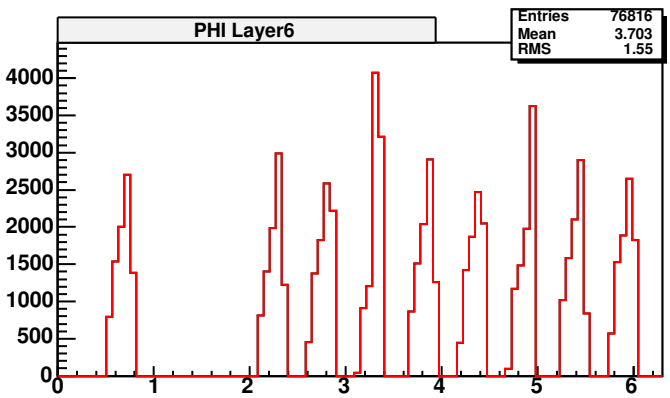


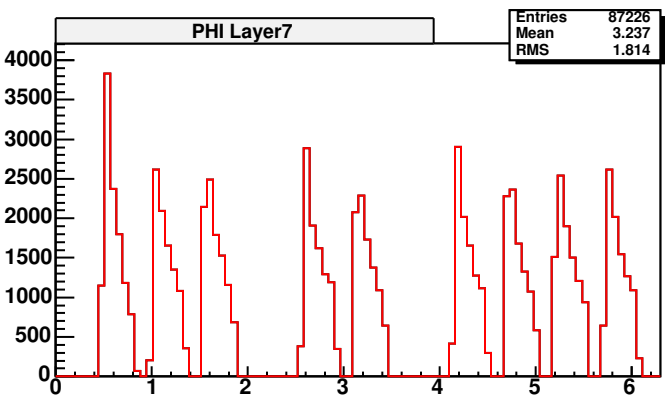


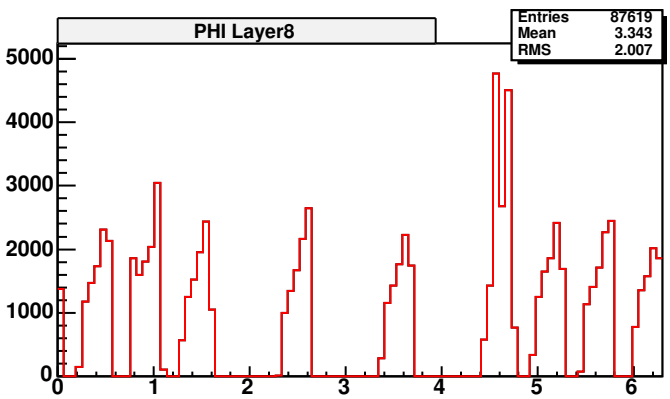




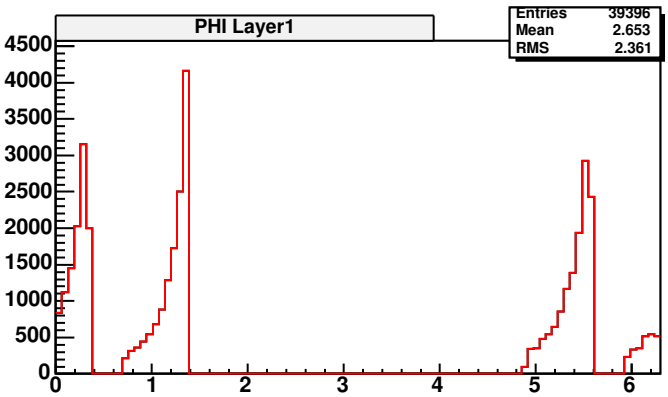


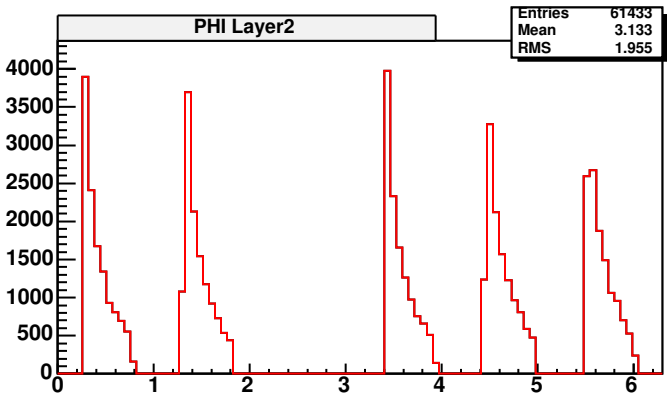


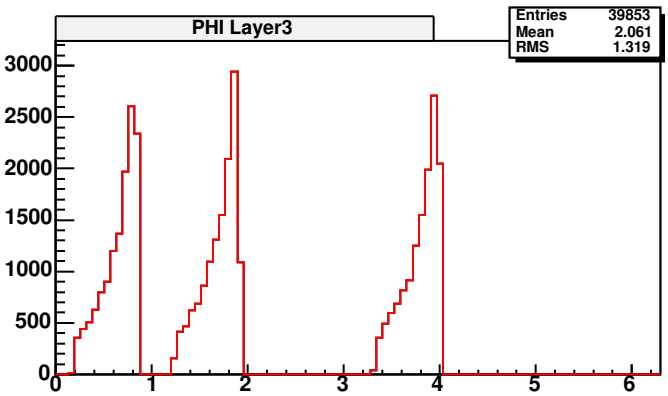


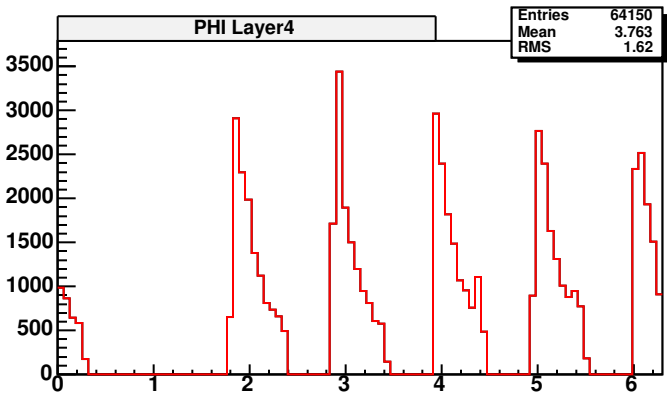


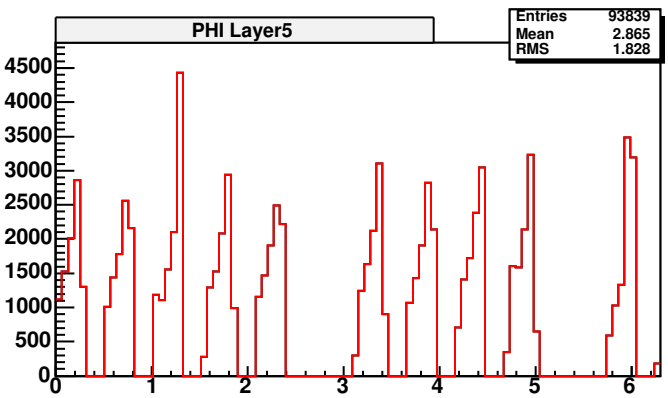
SmtClusters (ClustrBar3)

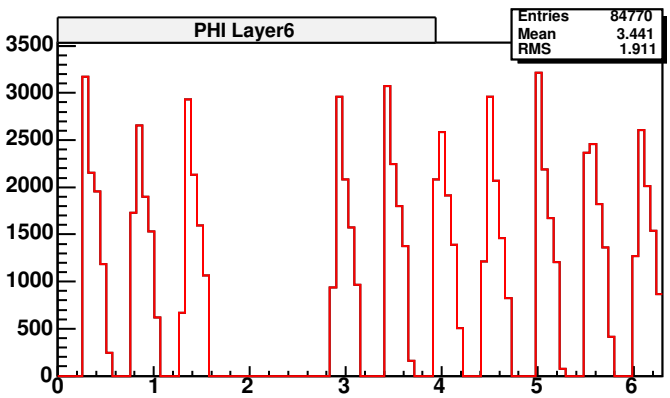


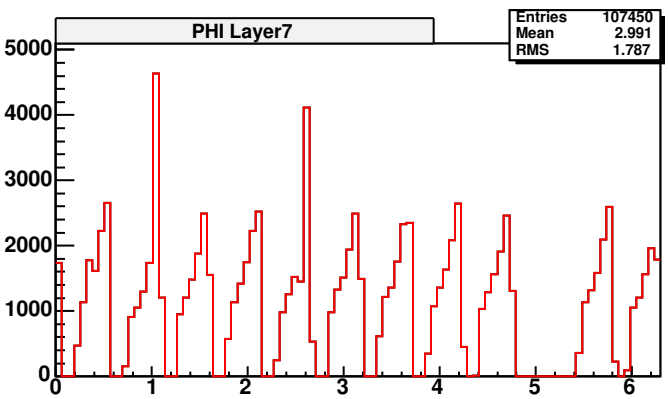


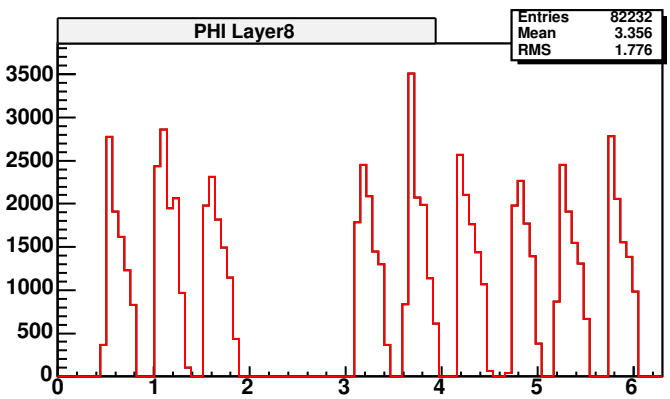




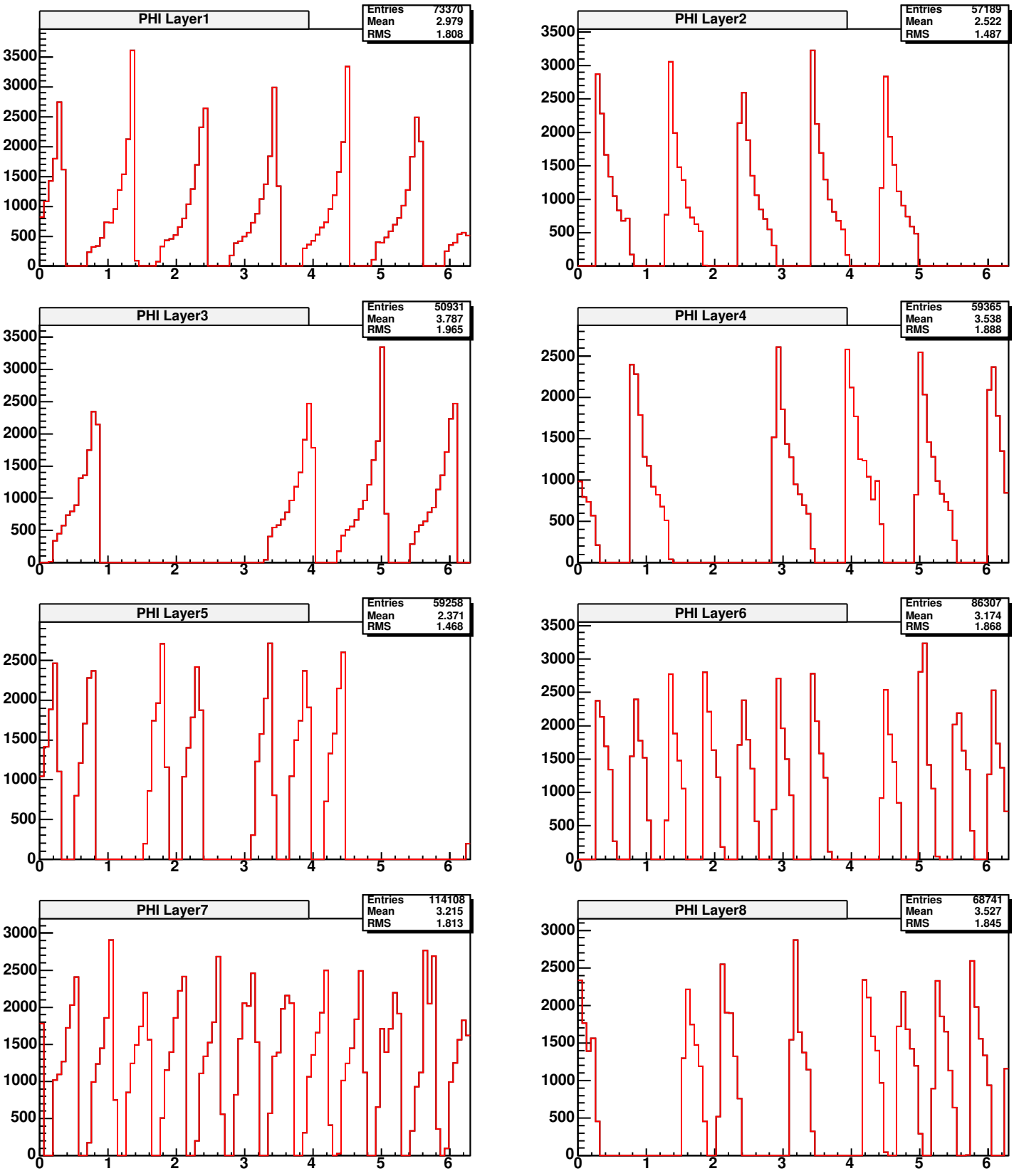




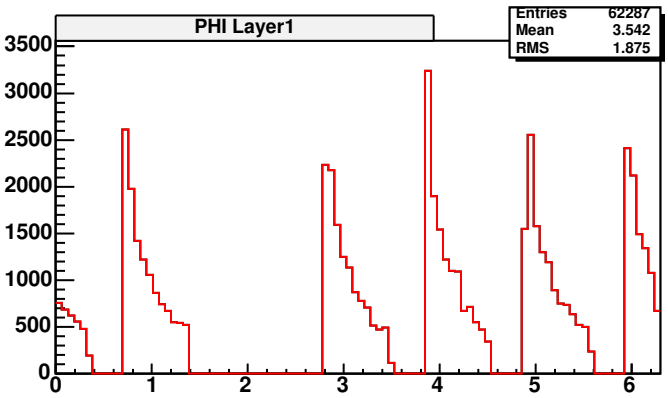


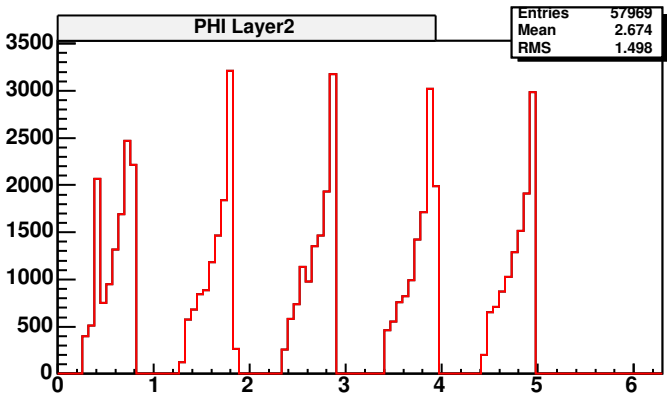


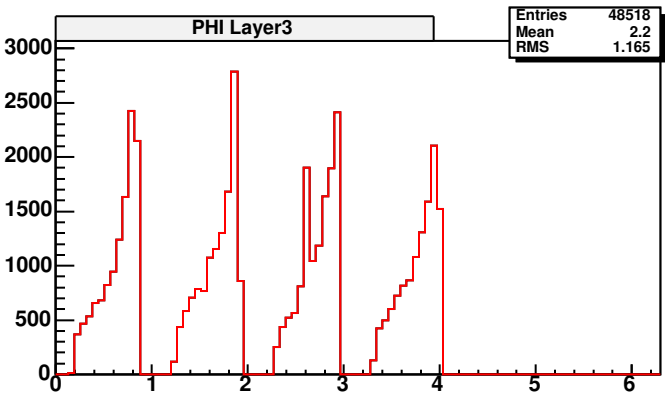
SmtClusters (ClustrBar4)

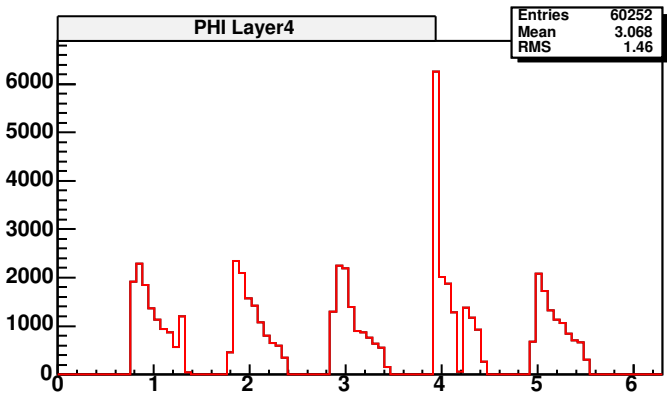


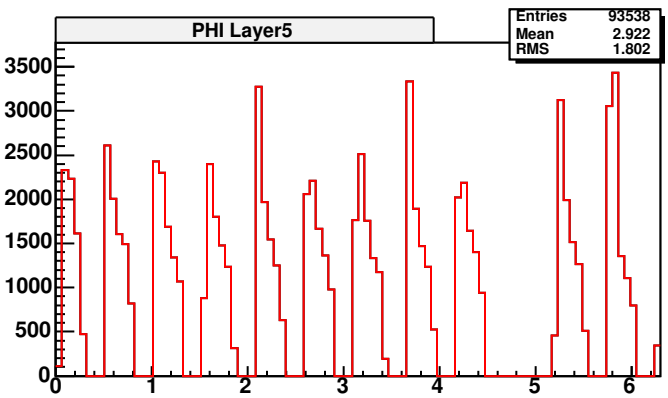
SmtClusters (ClustrBar5)

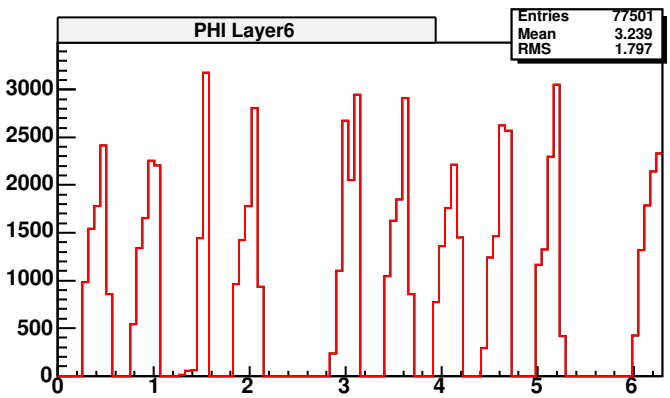


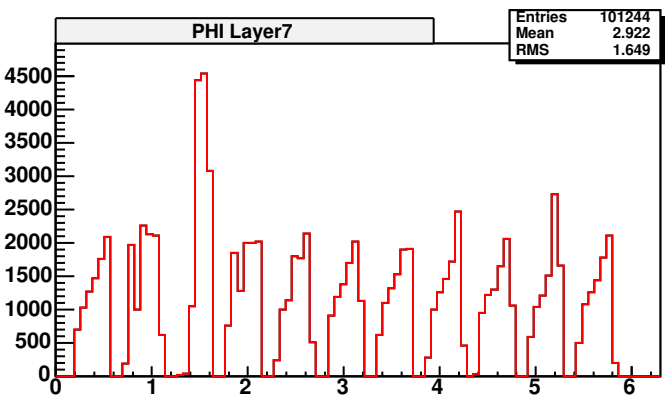


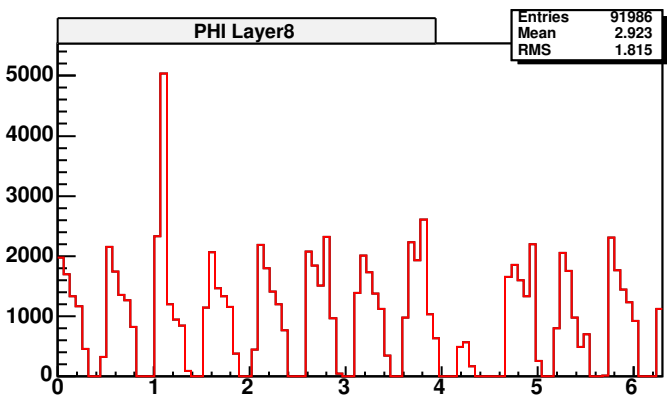




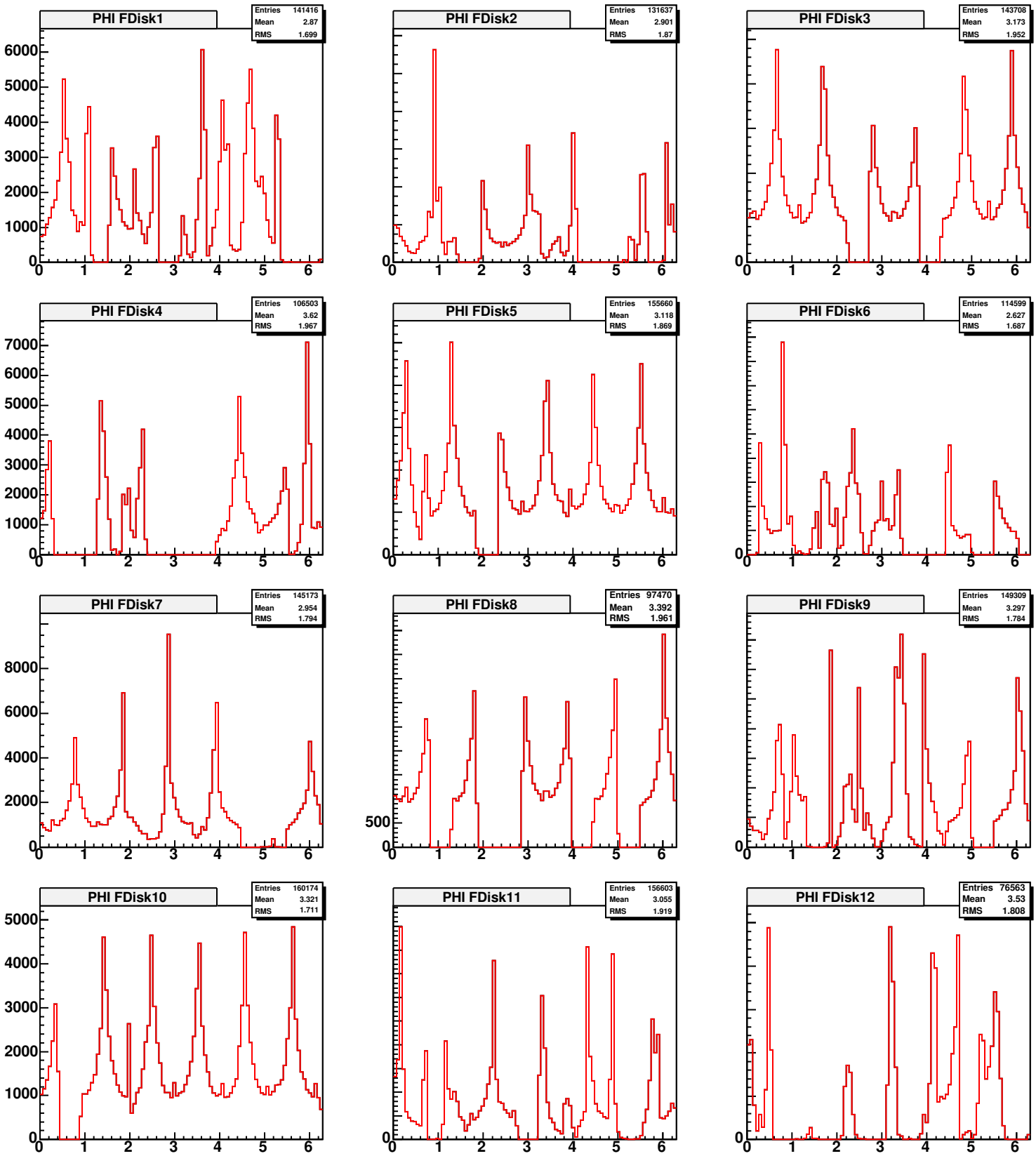




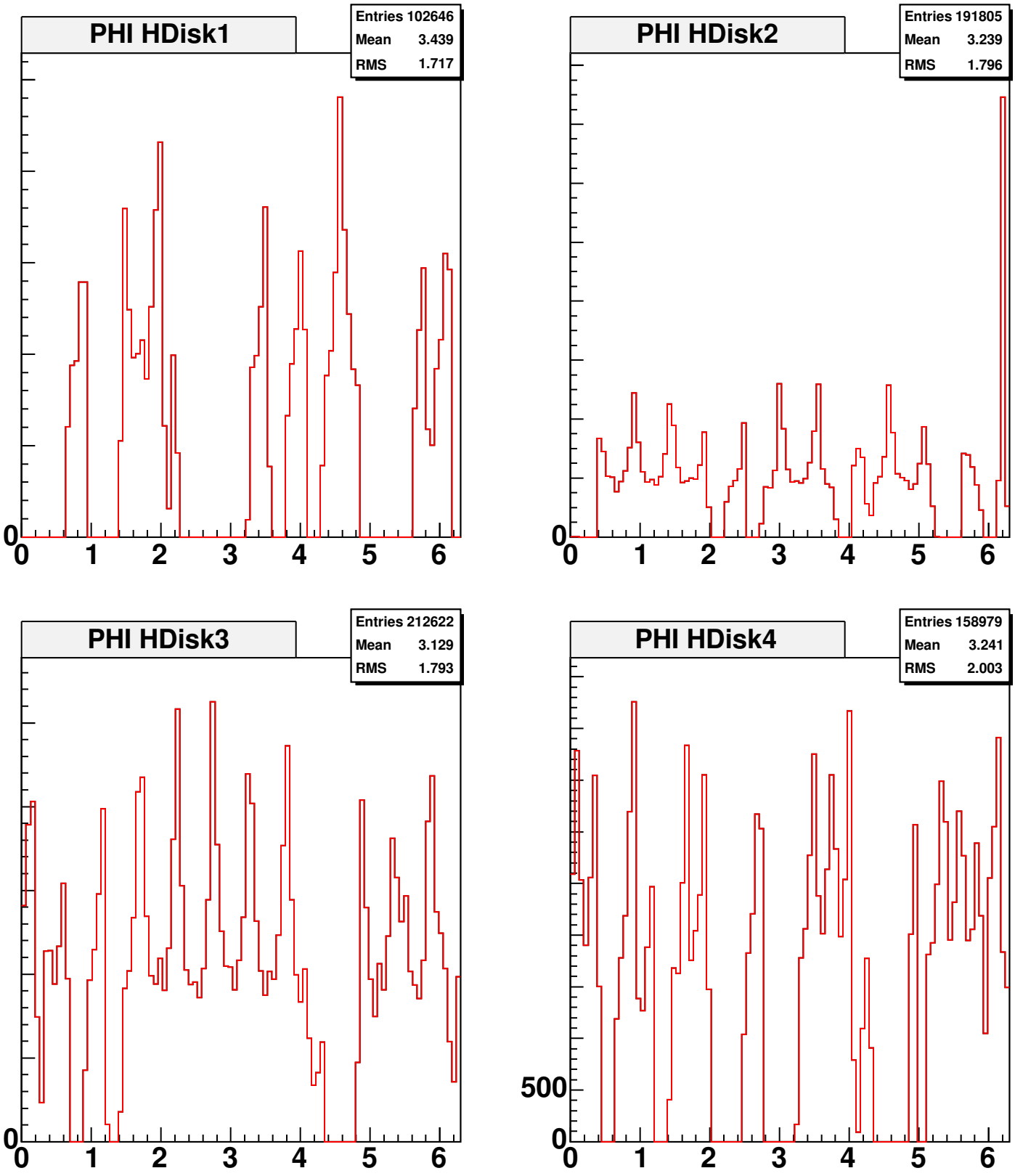


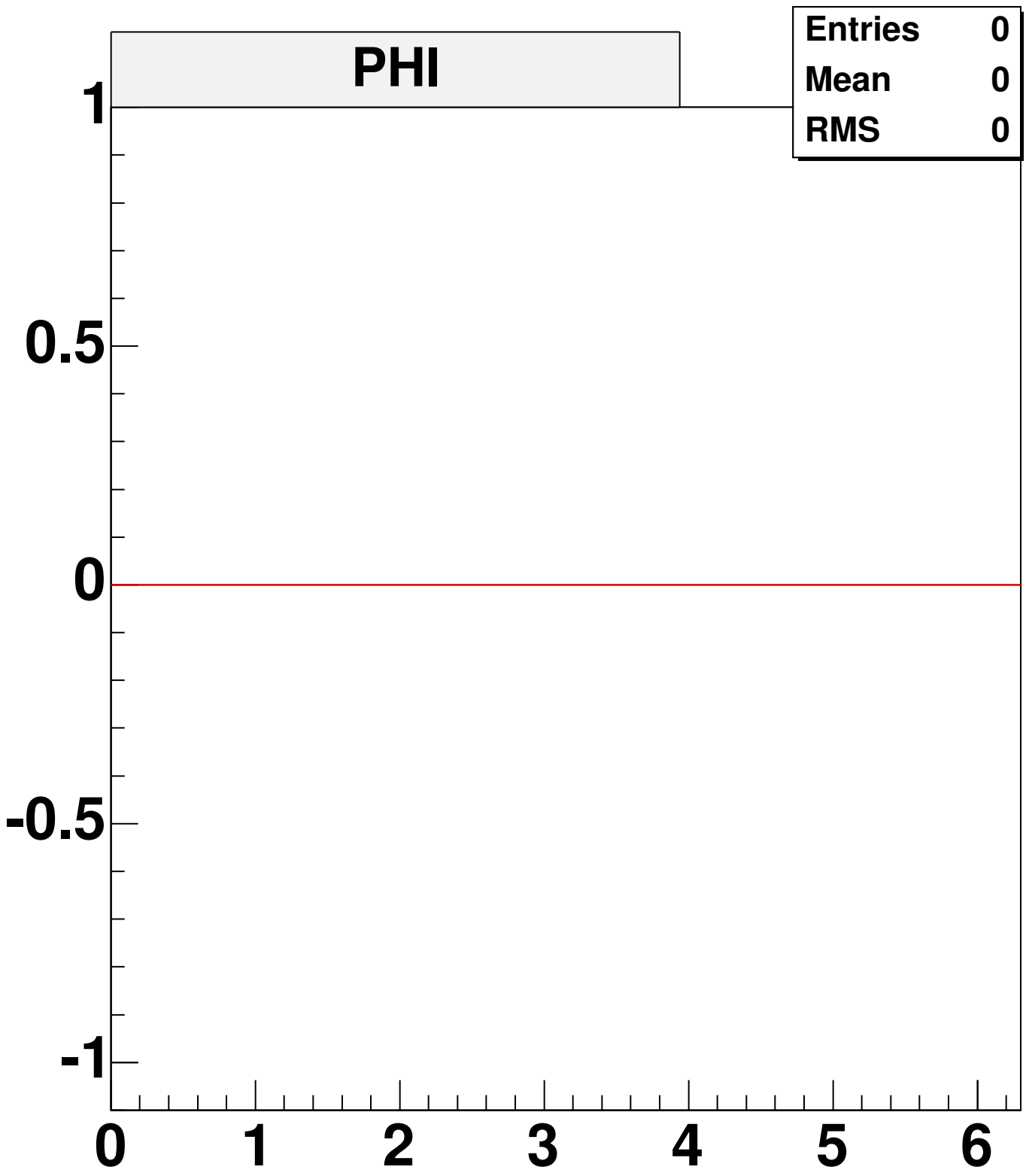


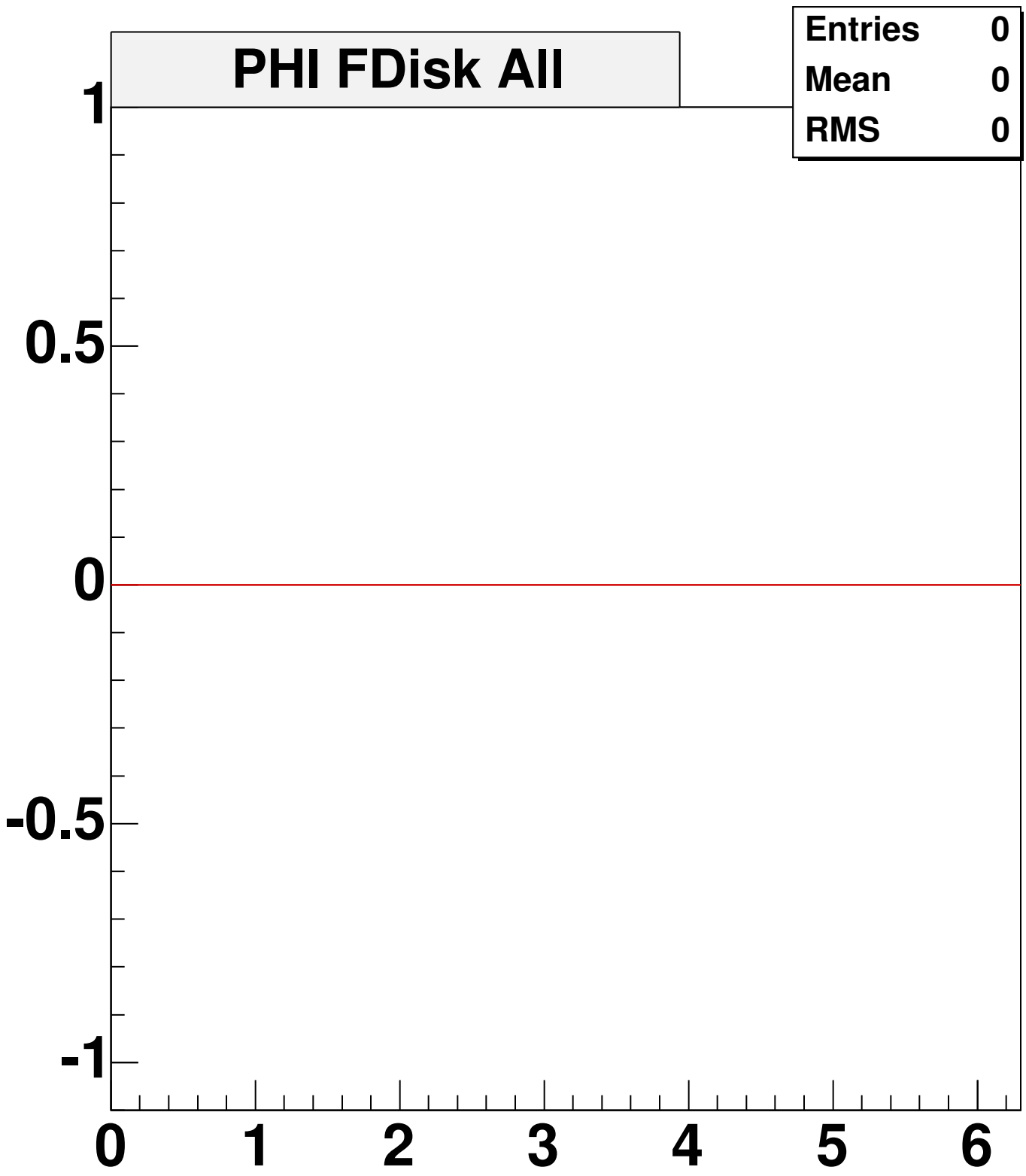
SmtClusters (ClustrBar6)

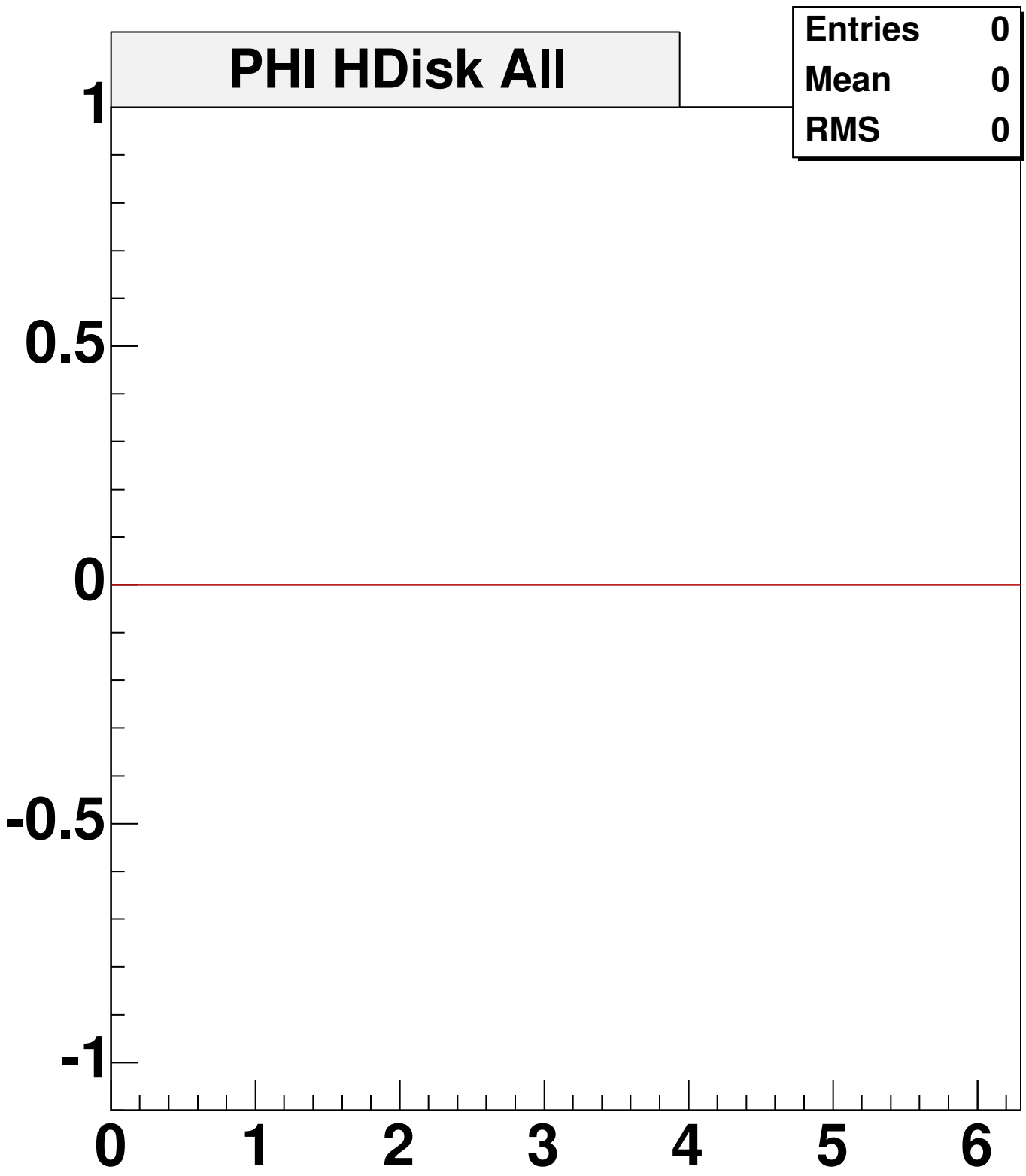


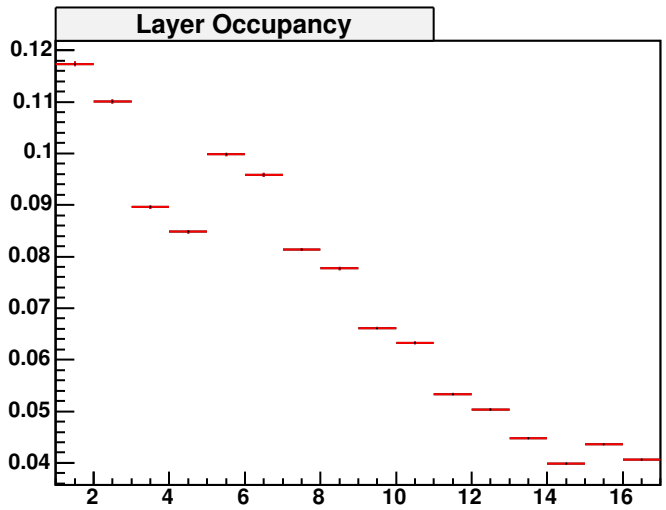
SmtClusters (FDiskClusters)

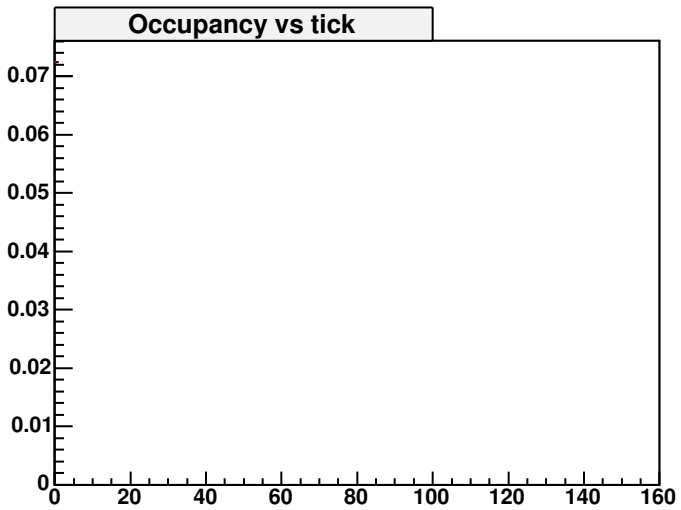

PHI HDisk1
Entries 102646
Mean 3.439
RMS 1.717
PHI HDisk2
Entries 191805
Mean 3.239
RMS 1.796
PHI HDisk3
Entries 212622
Mean 3.129
RMS 1.793
PHI HDisk4
Entries 158979
Mean 3.241
RMS 2.003
500
0
1
2
3
4
5
6
SmtClusters (HDiskClusters)

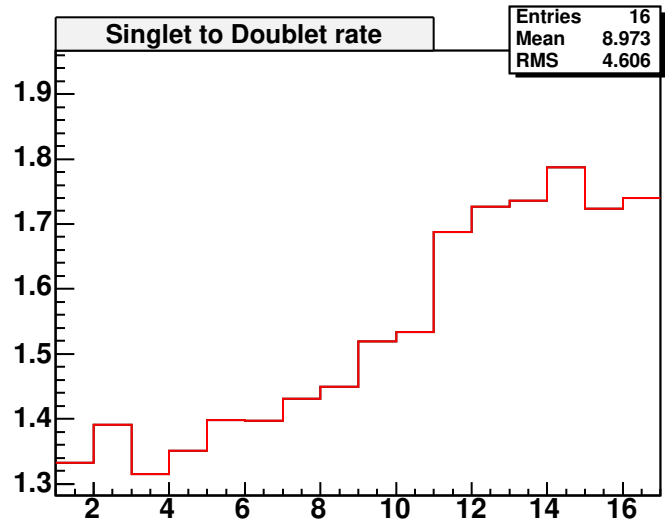

PHI
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

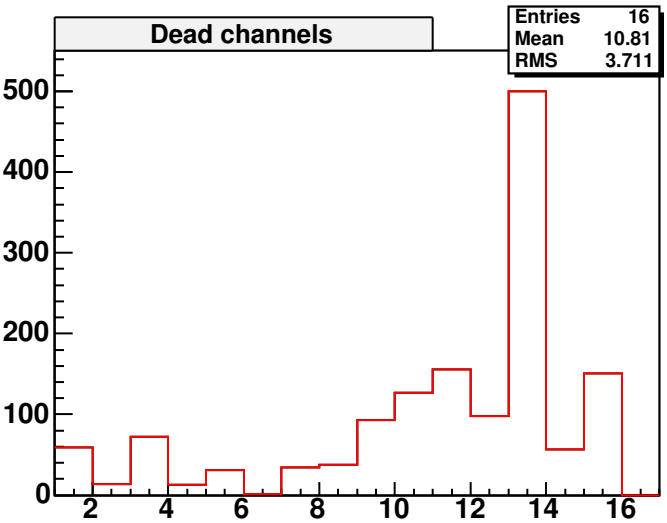

PHI FDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

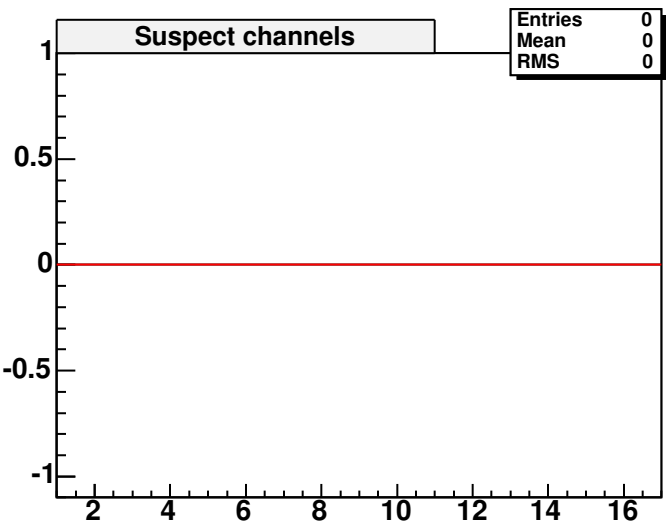

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

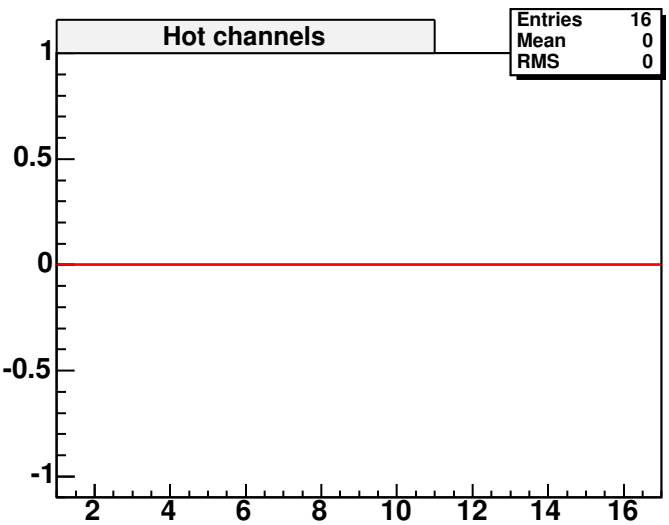




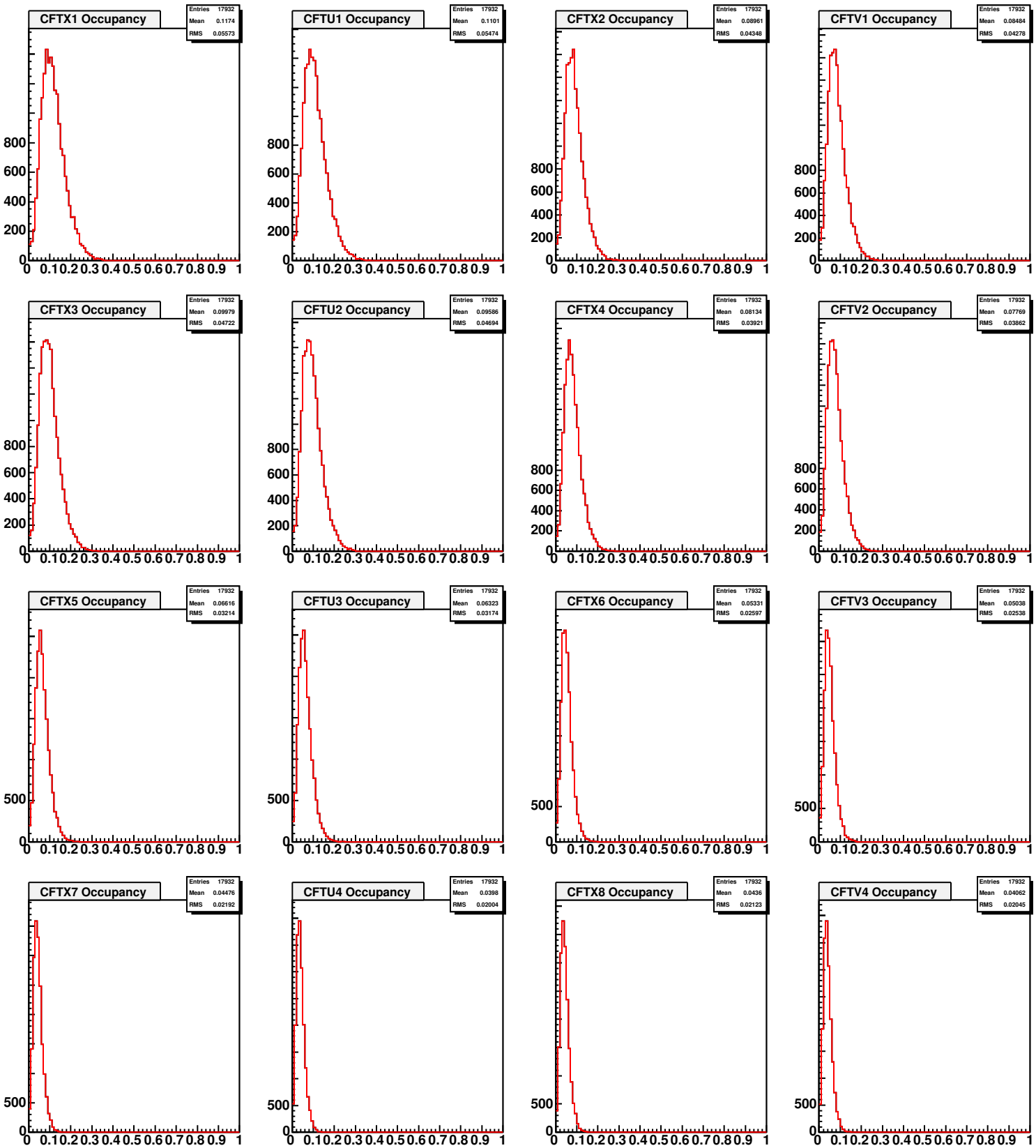




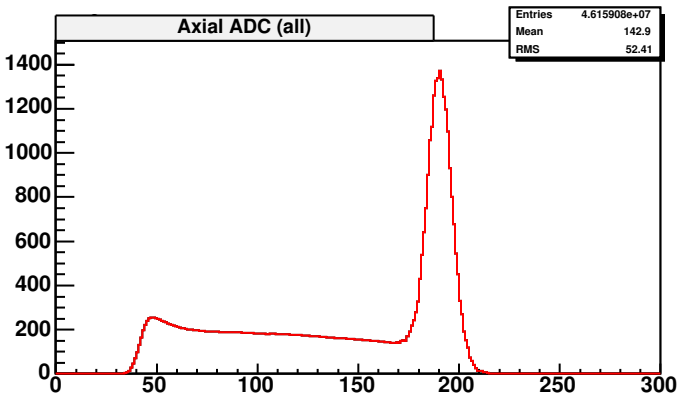


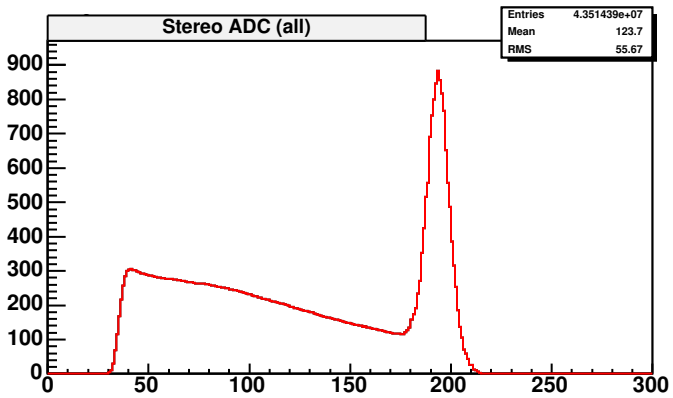


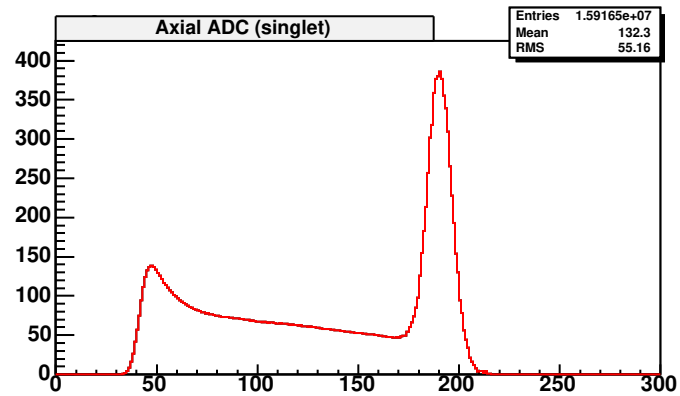
CFT Summary (All Clusters)

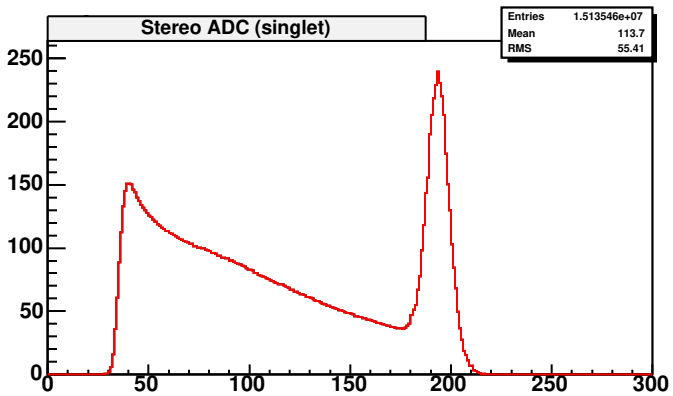


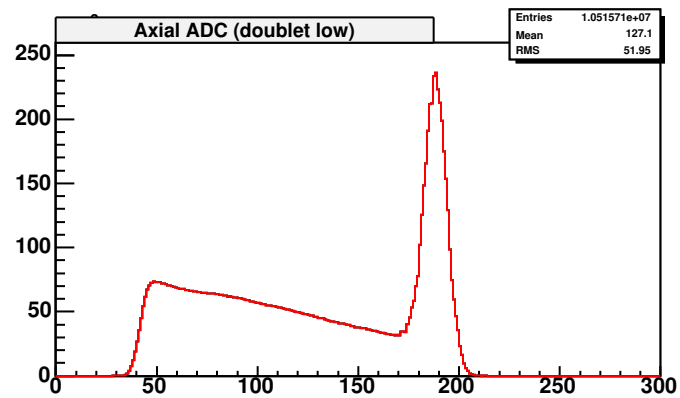
CFT Occupancy (All Clusters)

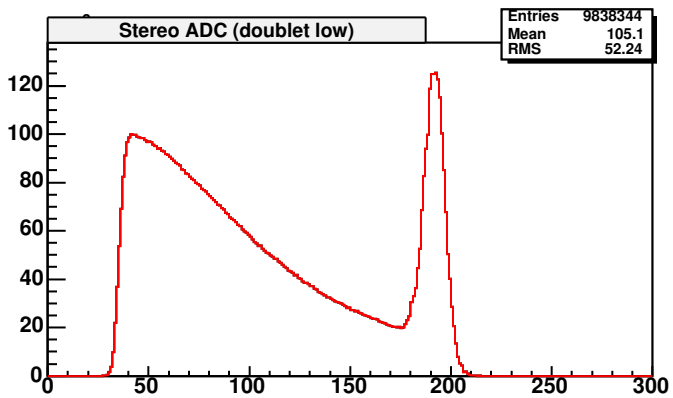


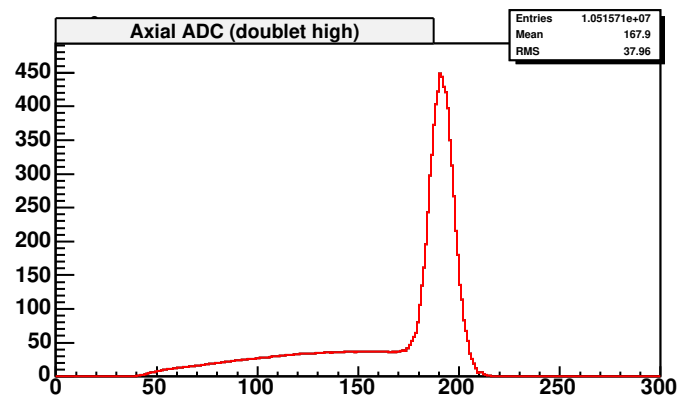


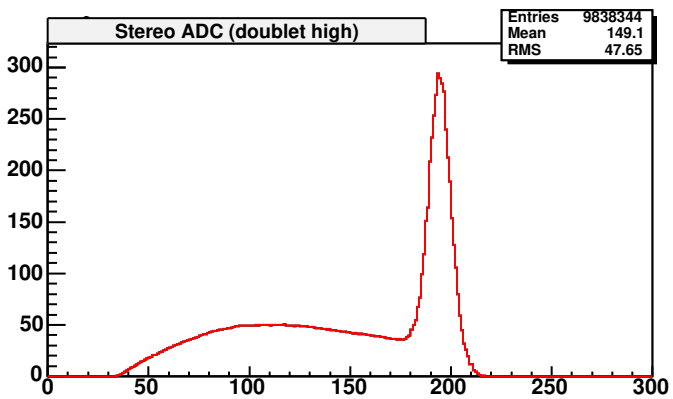




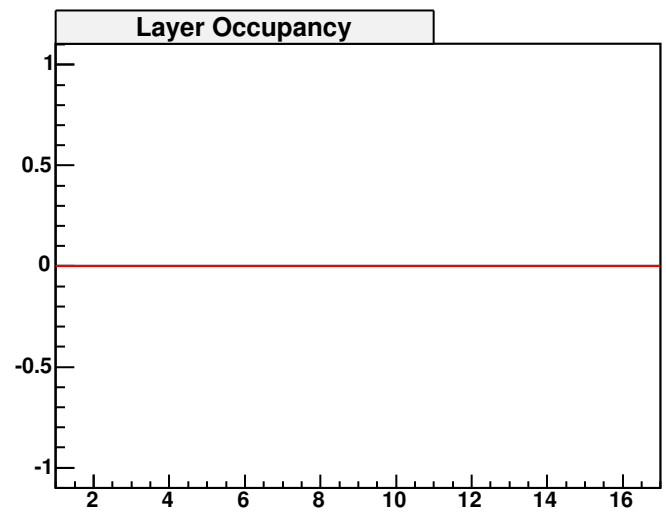


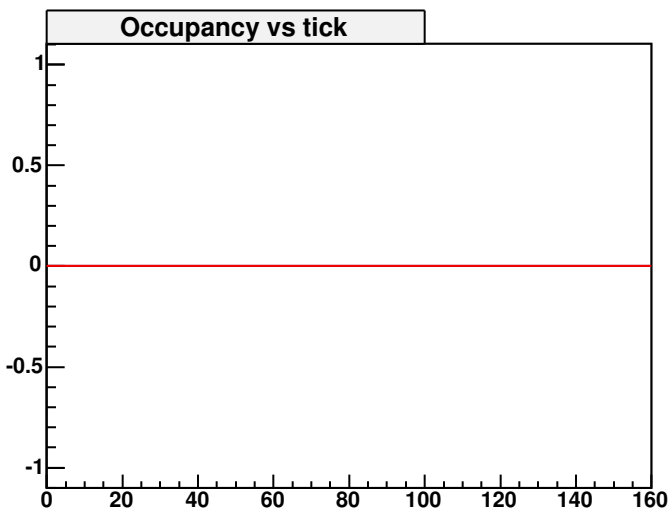


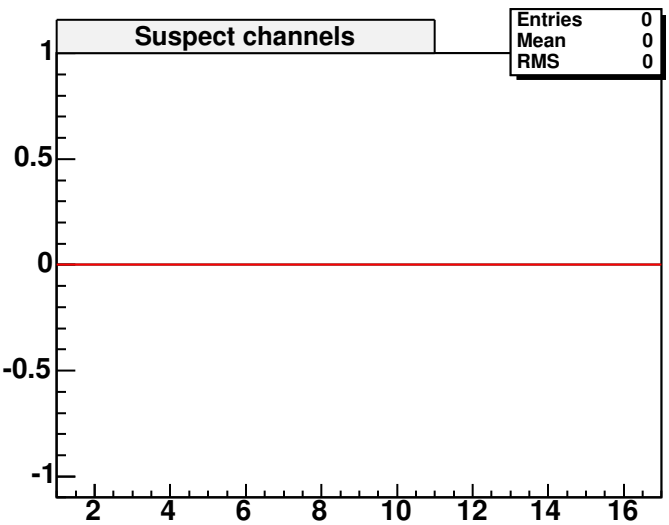


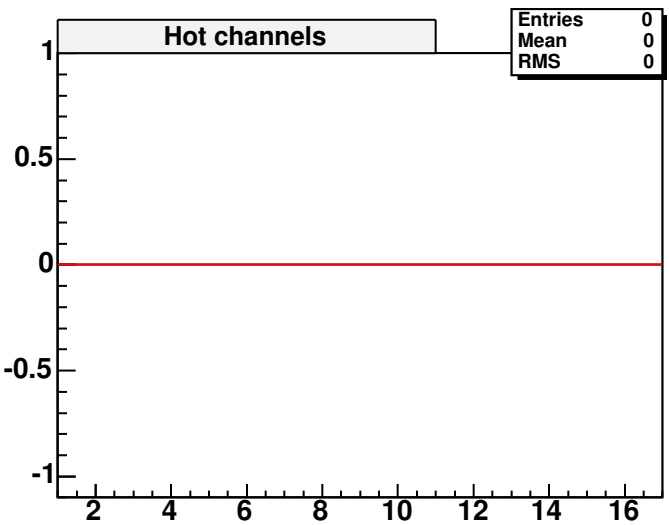


CFT ADC Summary (All Clusters)

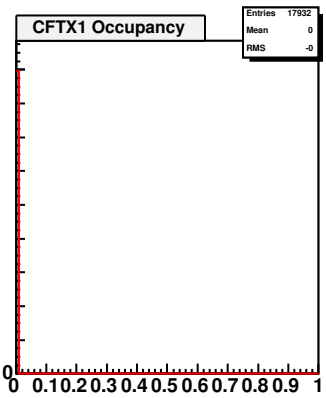


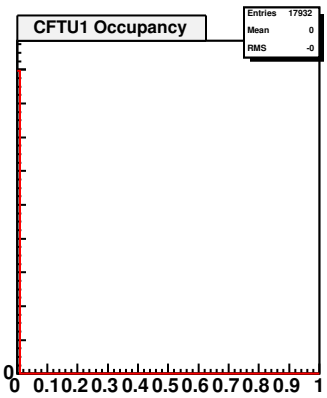


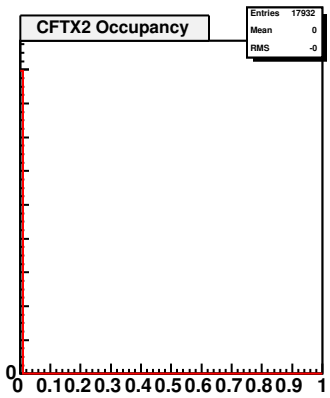


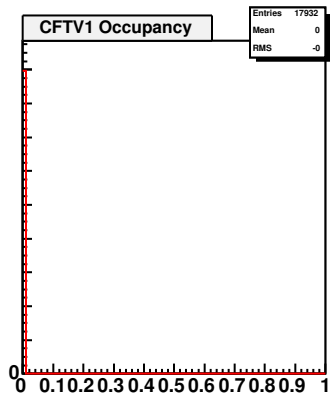


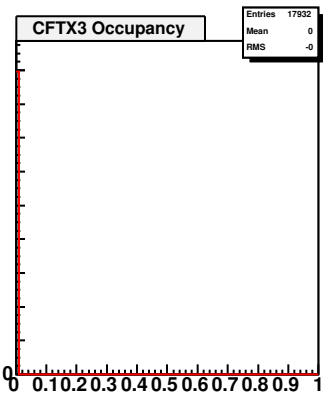
CFT Summary (Clusters on tracks)

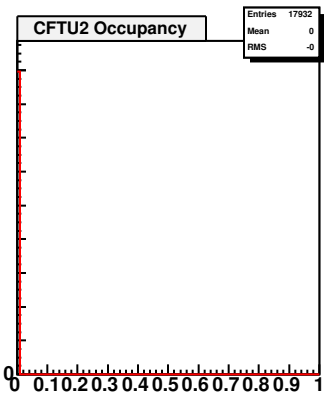


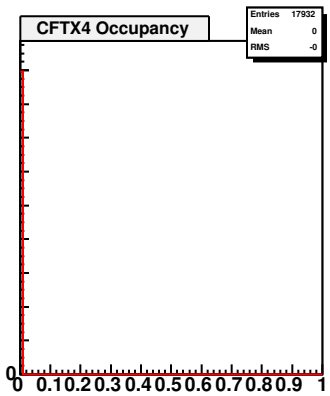


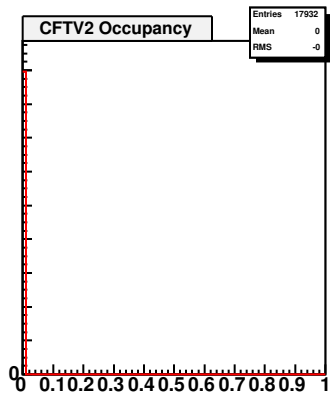


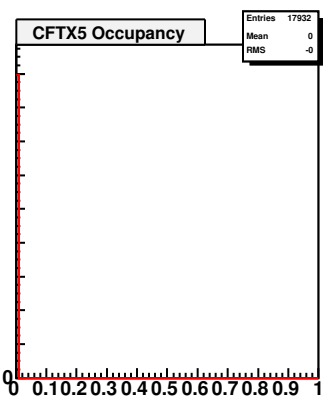


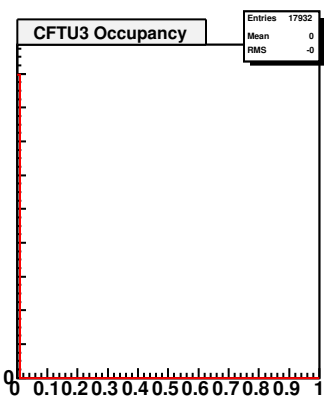


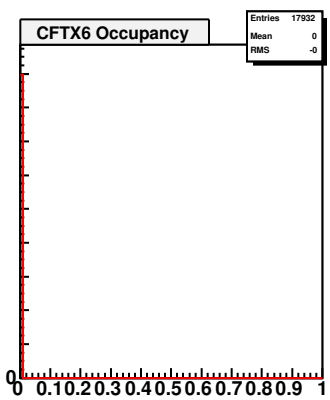


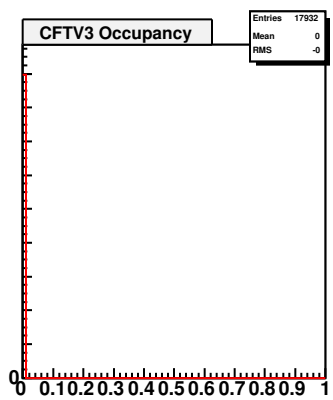


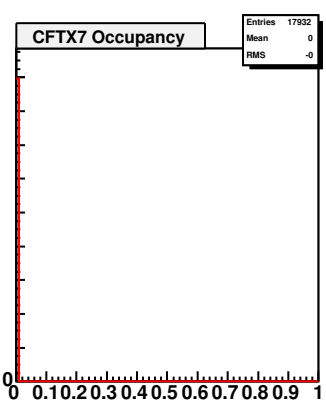


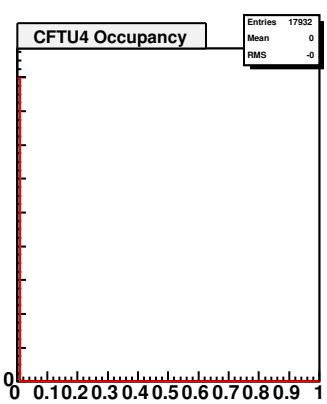


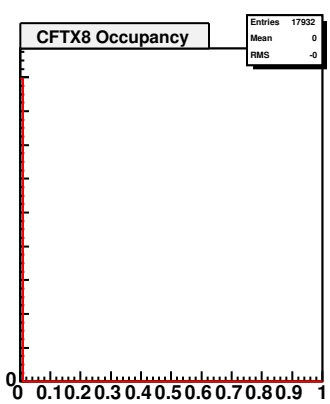


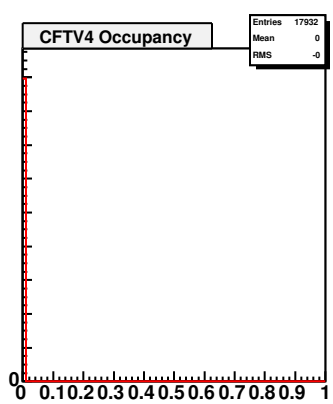




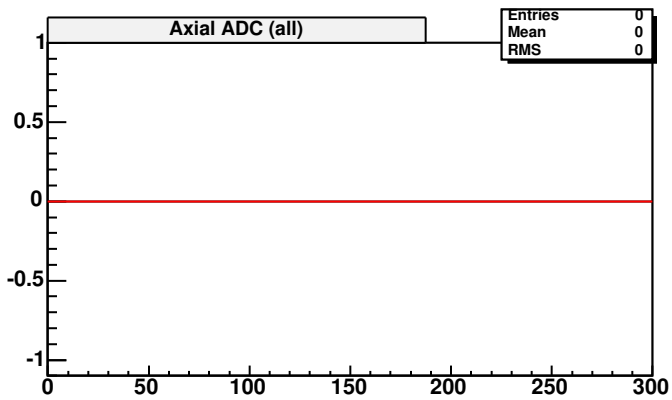


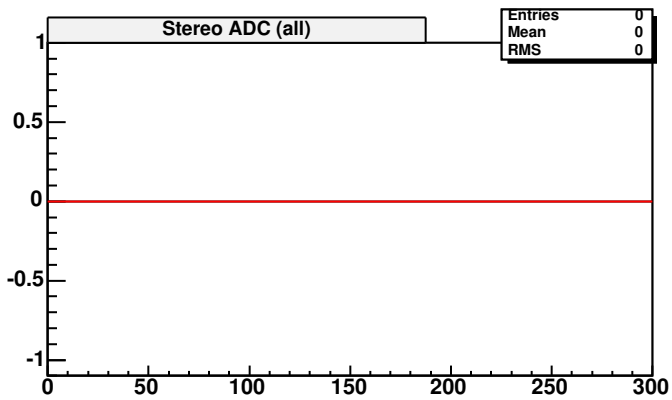


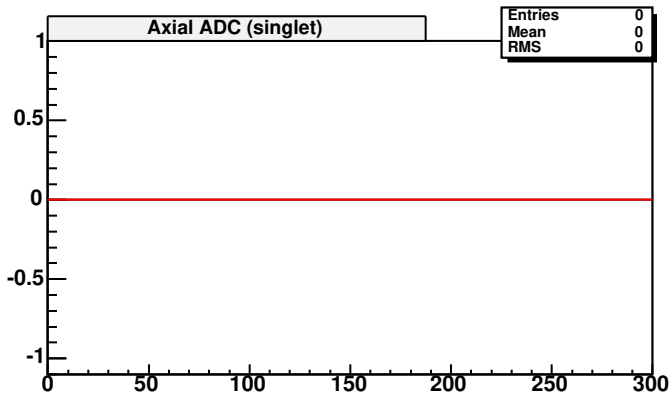


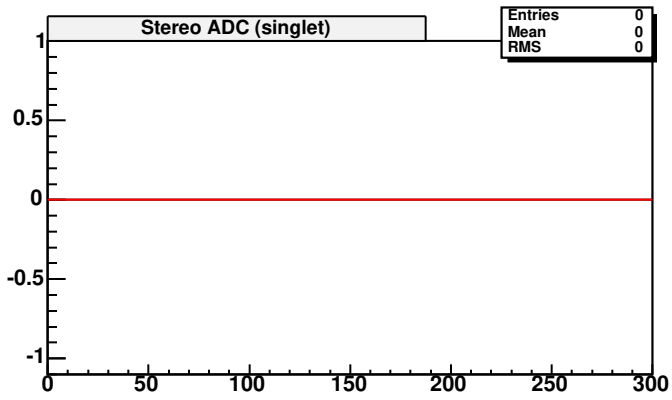


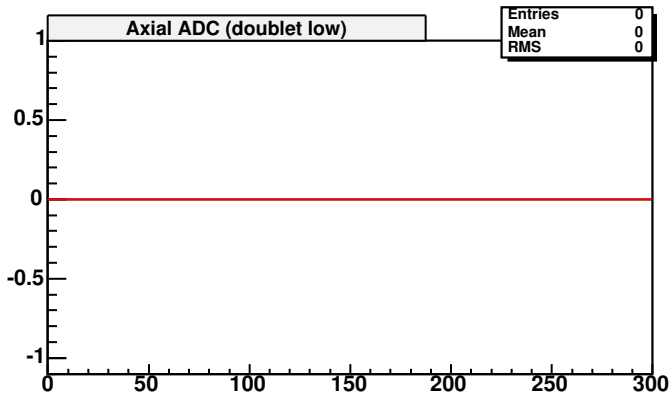
CFT Occupancy (Clusters on tracks)

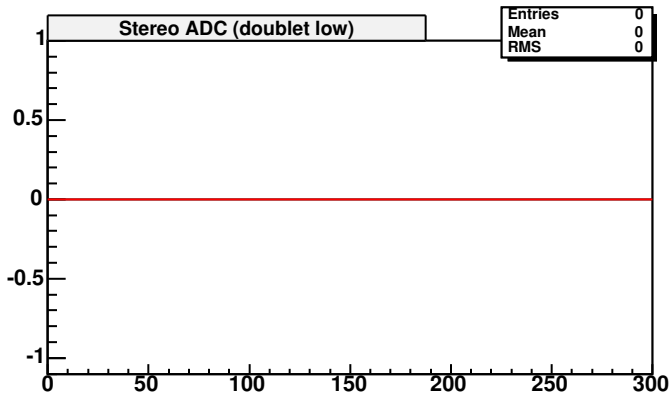


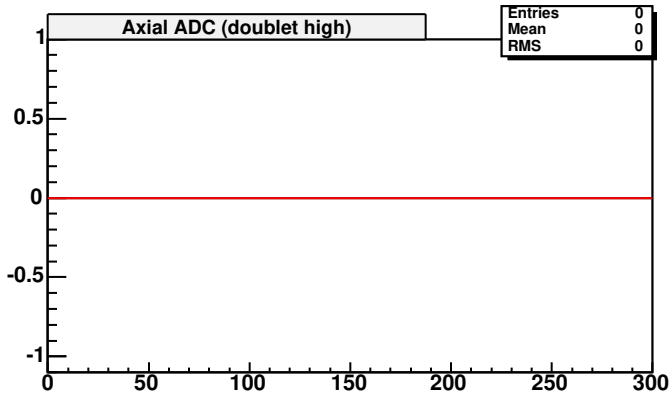


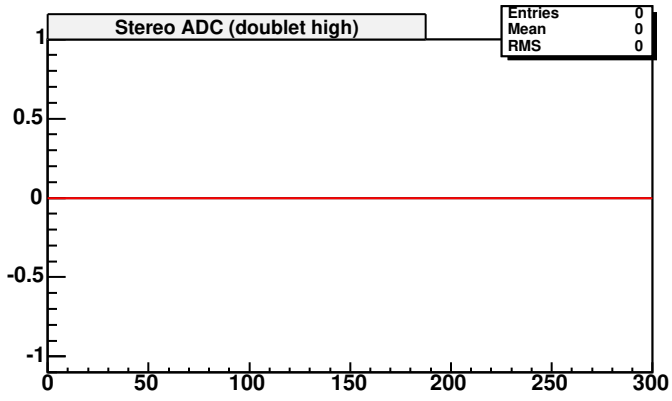




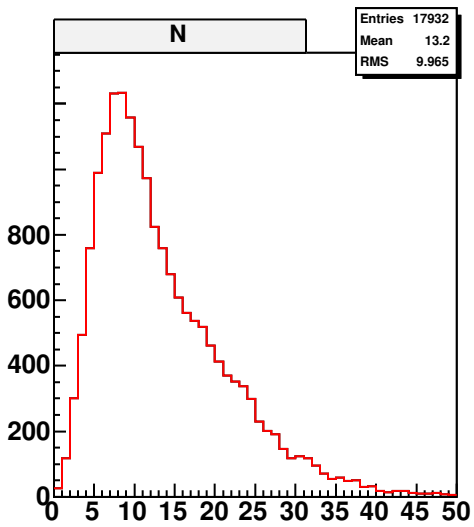


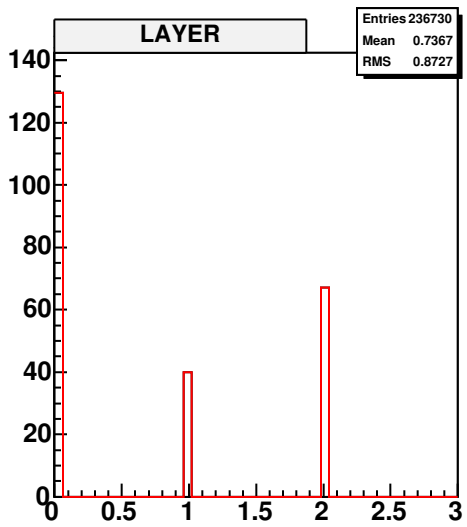


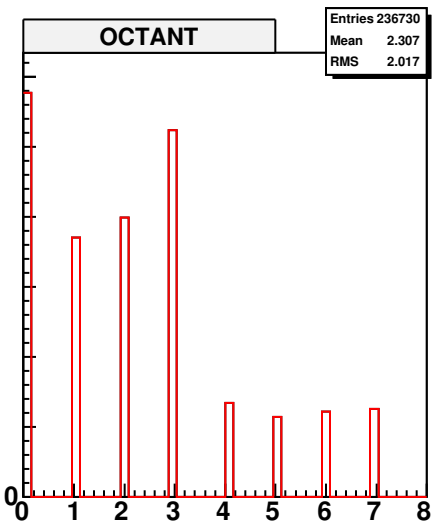


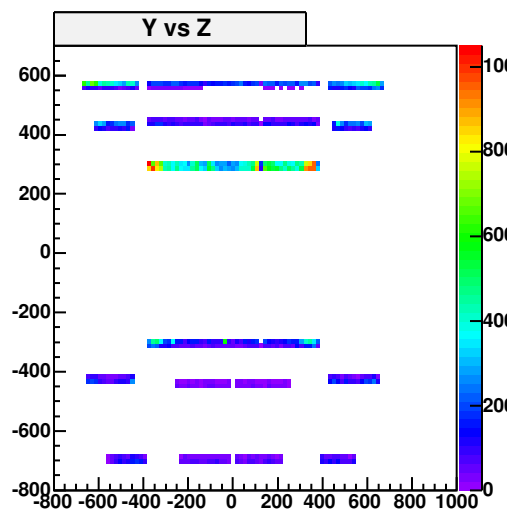


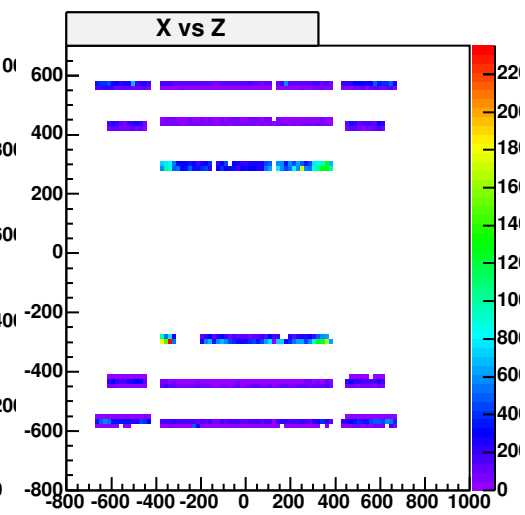
CFT ADC Summary (Clusters on tracks)

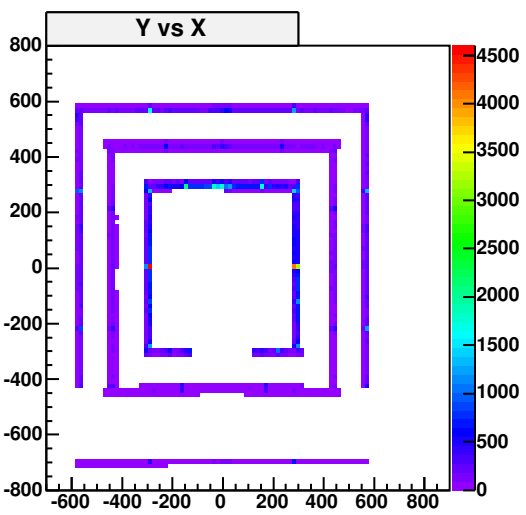

N
Entries 17932
Mean 13.2
RMS 9.965

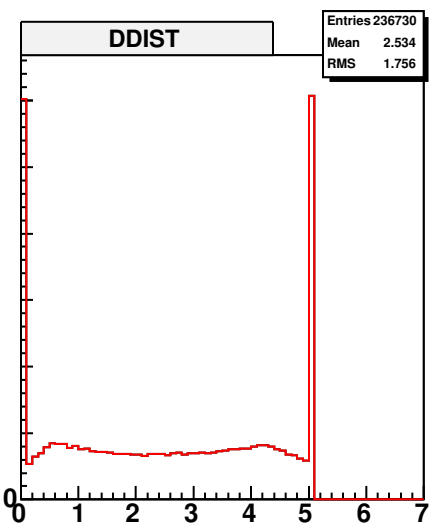

LAYER
Entries 236730
Mean 0.7367
RMS 0.8727

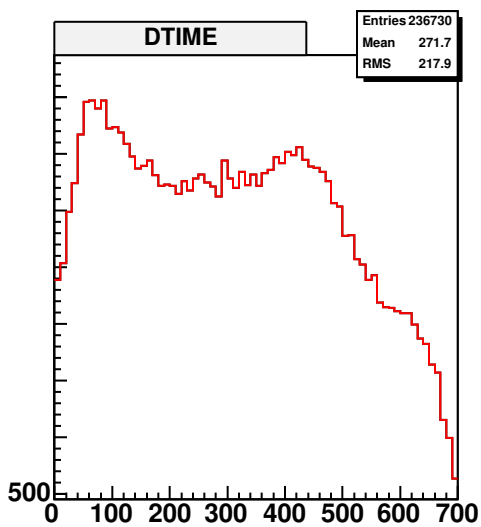

OCTANT
Entries 236730
Mean 2.307
RMS 2.017


Y vs Z

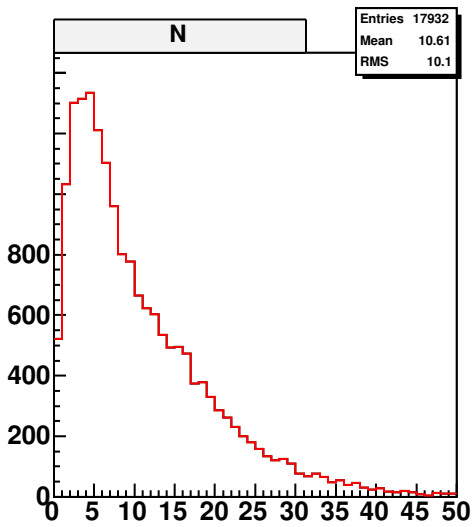

X vs Z

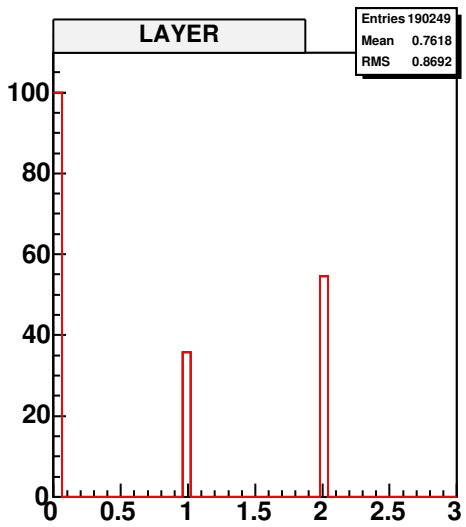

Y vs X

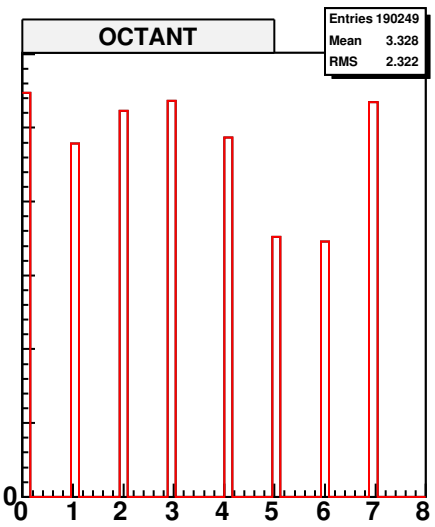

DDIST
Entries 236730
Mean 2.534
RMS 1.756

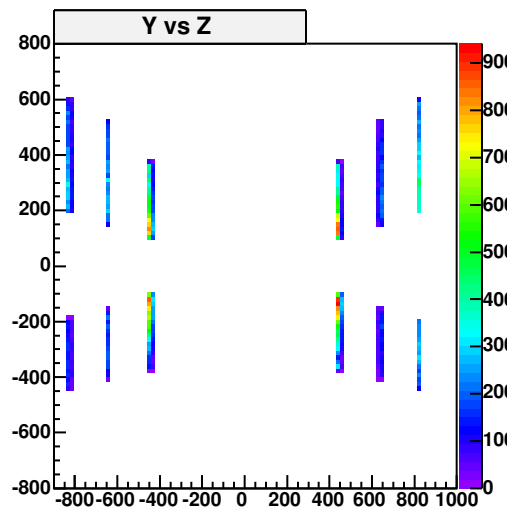

DTIME
Entries 236730
Mean 271.7
RMS 217.9

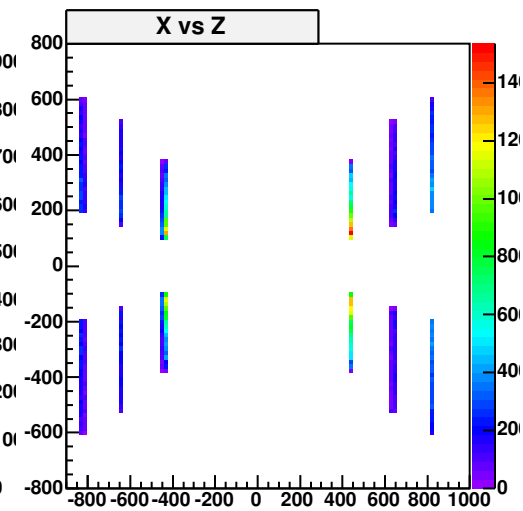
MuonPDT (All)

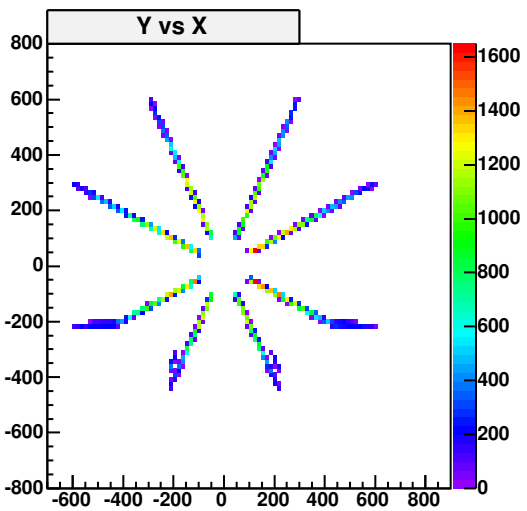

N
Entries 17932
Mean 10.61
RMS 10.1

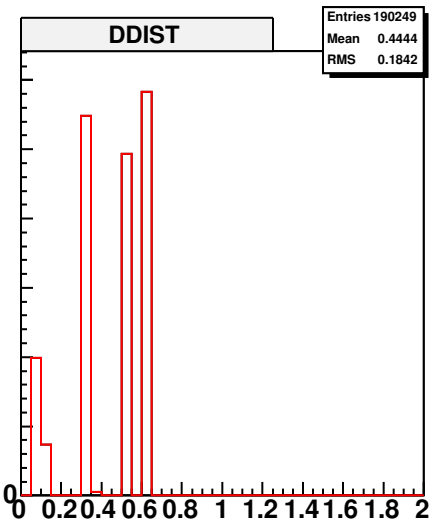

LAYER
Entries 190249
Mean 0.7618
RMS 0.8692

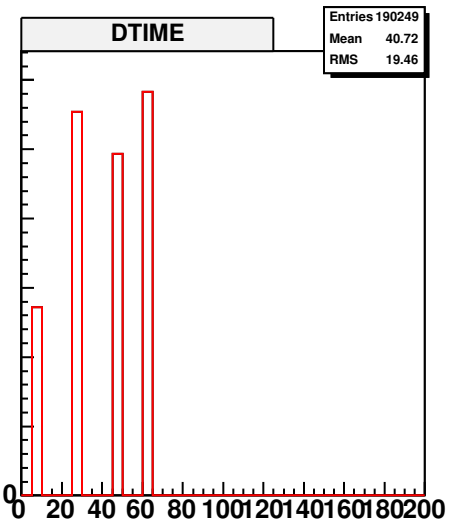

OCTANT
Entries 190249
Mean 3.328
RMS 2.322


Y vs Z

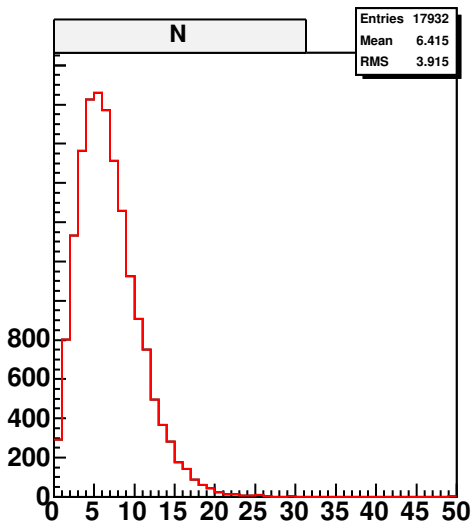

X vs Z

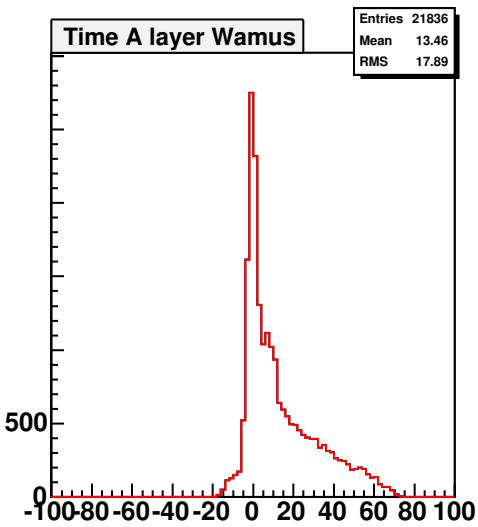

Y vs X

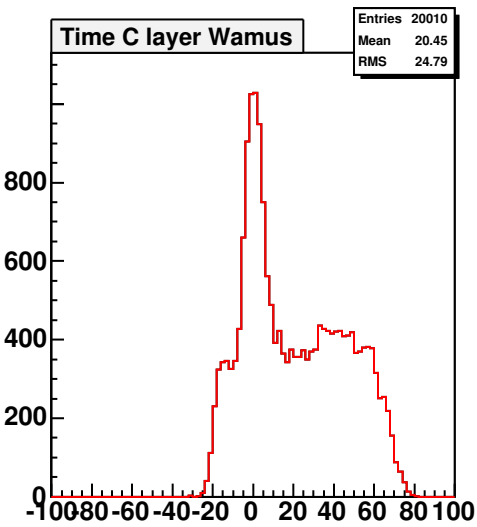

DDIST
Entries 190249
Mean 0.4444
RMS 0.1842

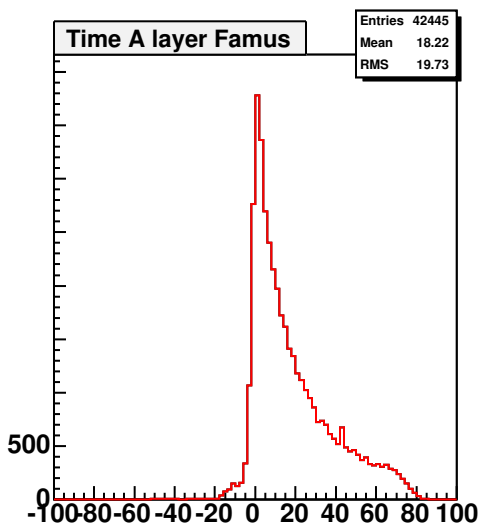

DTIME
Entries 190249
Mean 40.72
RMS 19.46

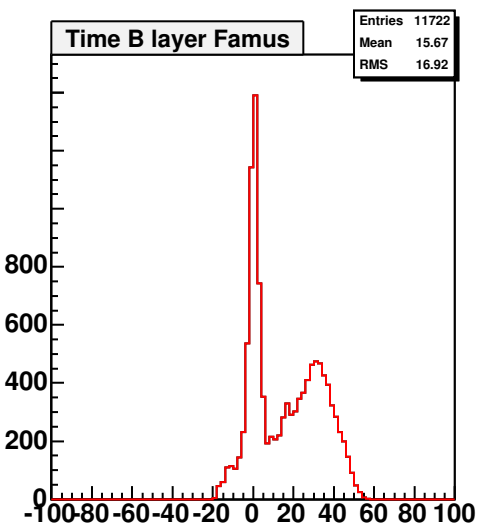
MuonMDT (All)

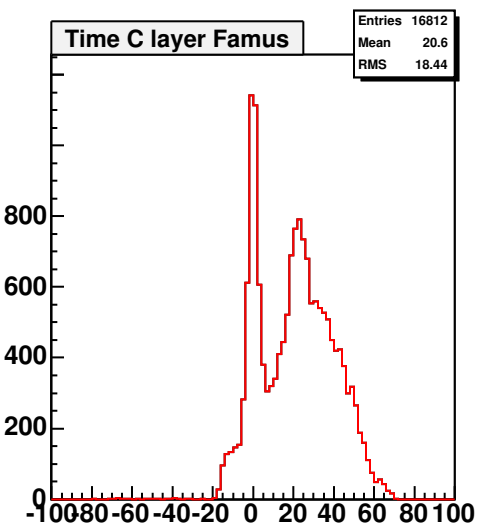

N
Entries 17932
Mean 6.415
RMS 3.915

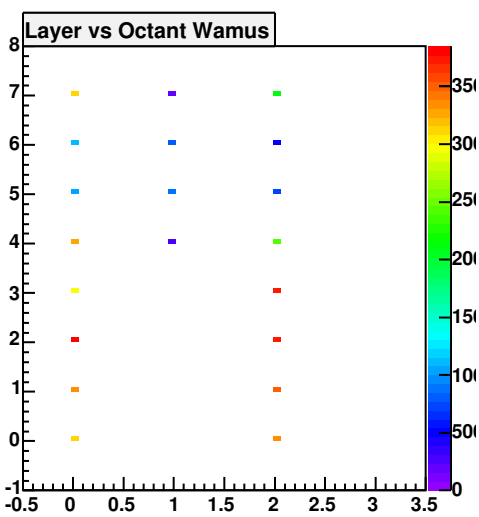

Time A layer Wamus
Entries 21836
Mean 13.46
RMS 17.89

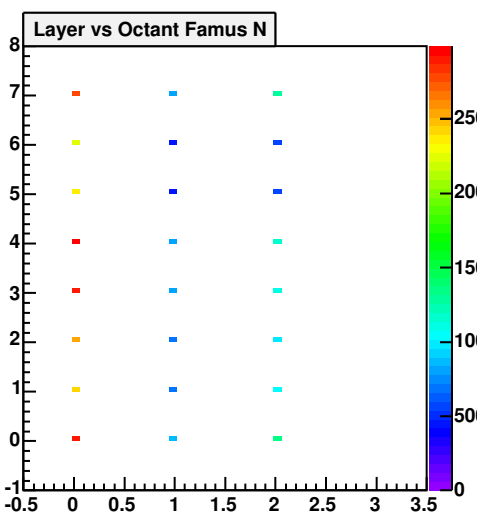

Time C layer Wamus
Entries 20010
Mean 20.45
RMS 24.79

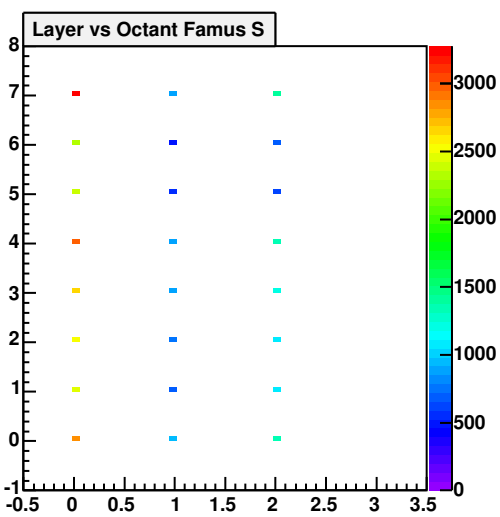

Time A layer Famus
Entries 42445
Mean 18.22
RMS 19.73


Time B layer Famus
Entries 11722
Mean 15.67
RMS 16.92

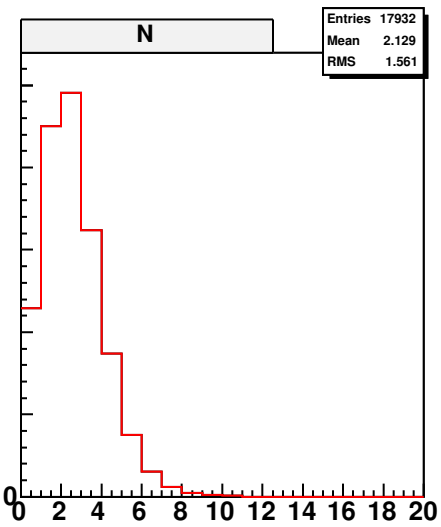

Time C layer Famus
Entries 16812
Mean 20.6
RMS 18.44

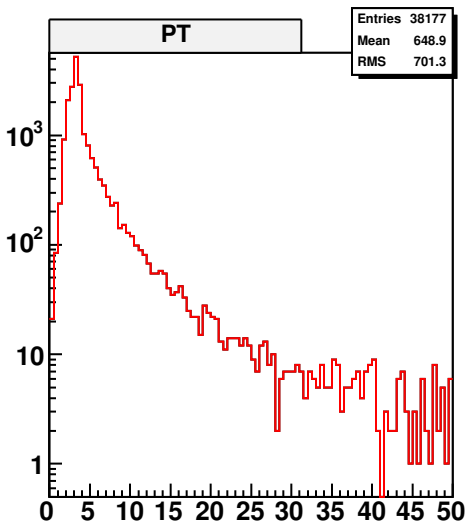

Layer vs Octant Wamus

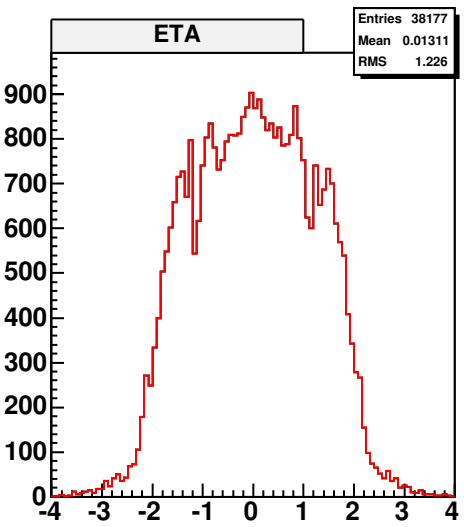

Layer vs Octant Famus N

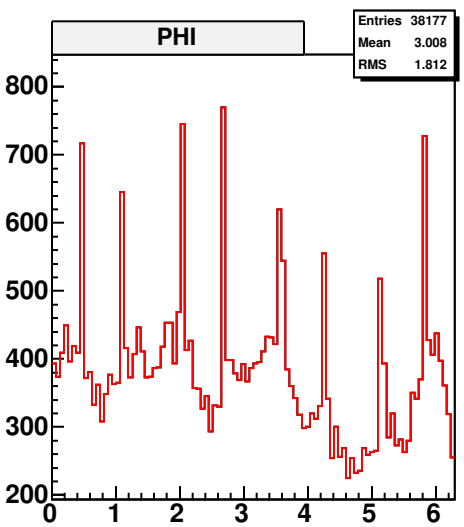

Layer vs Octant Famus S

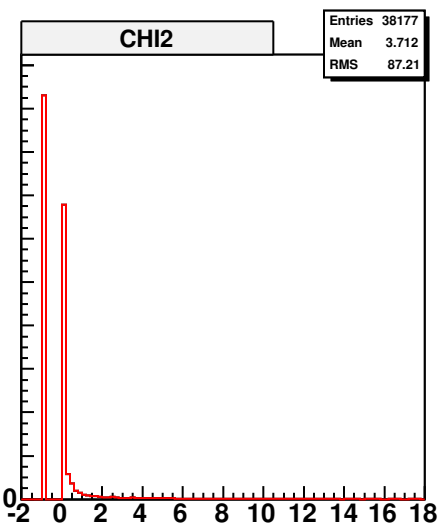
MuonMSC (All)

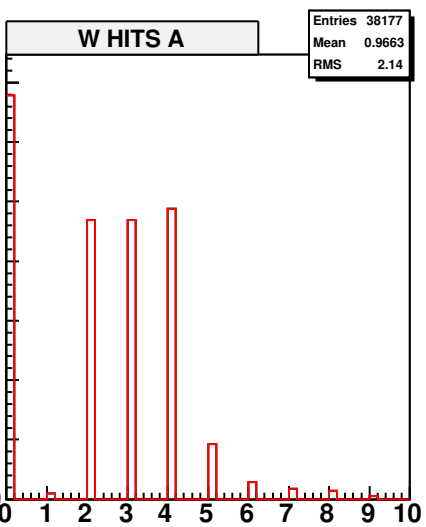


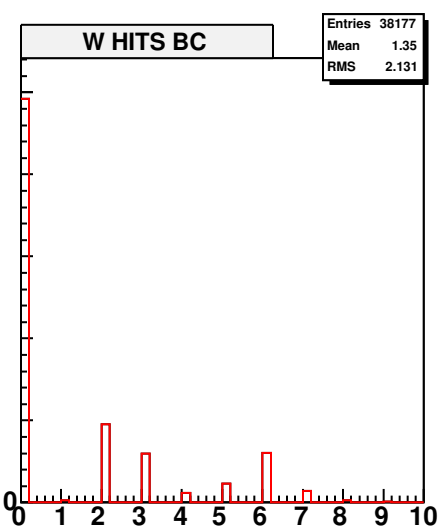


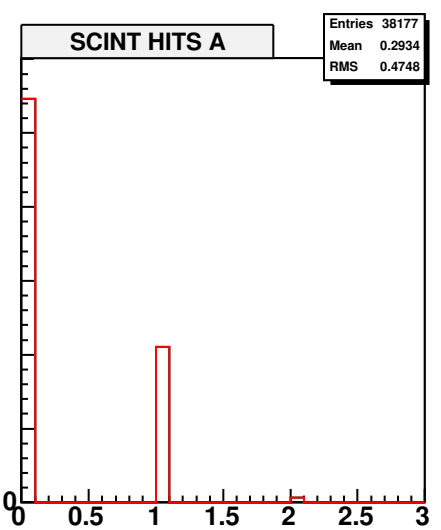


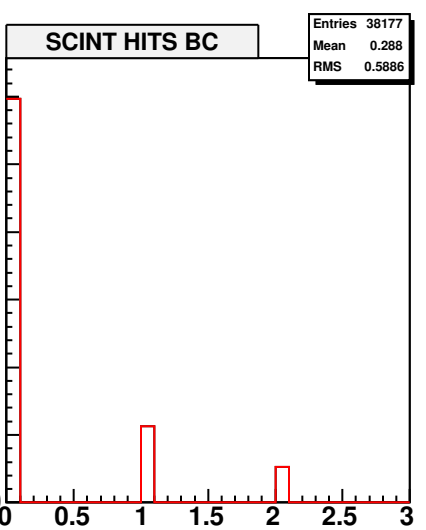




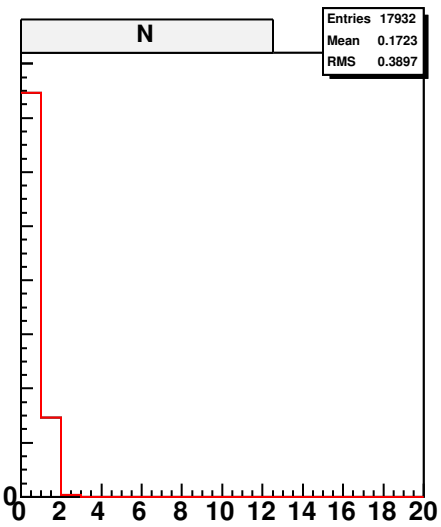


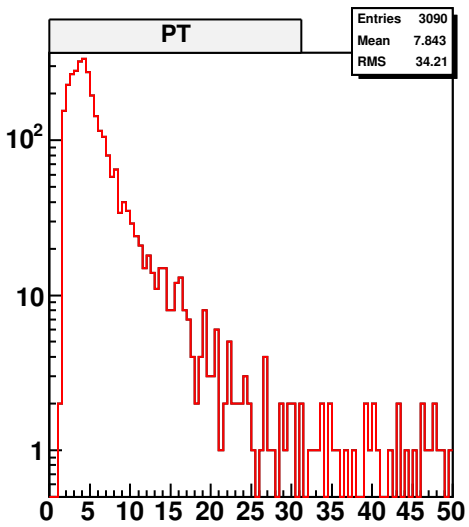


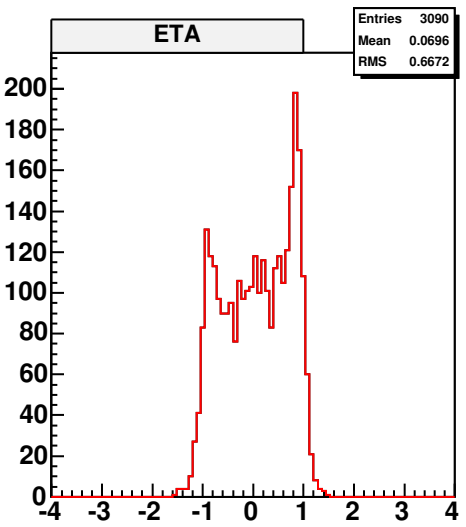


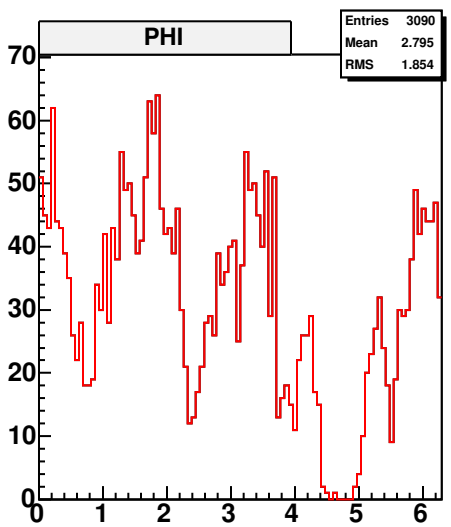


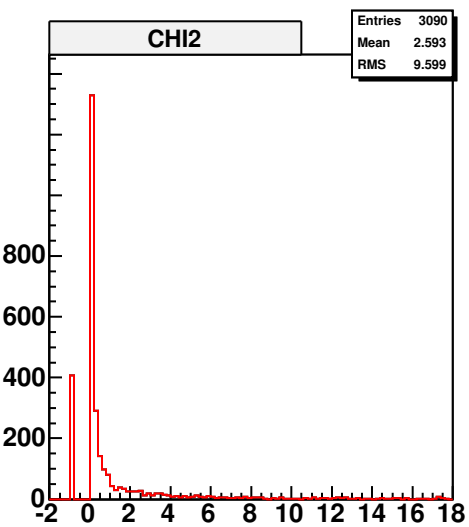
Muon Local Tracks (All)

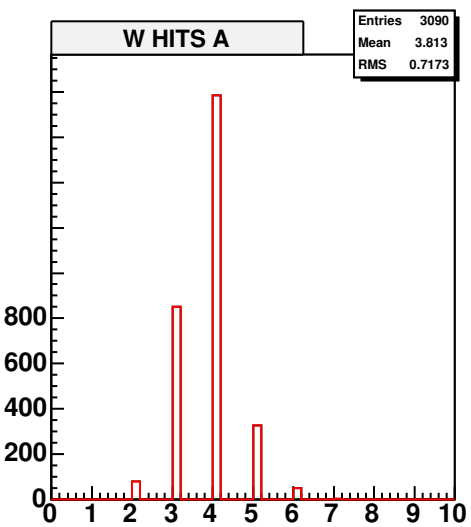


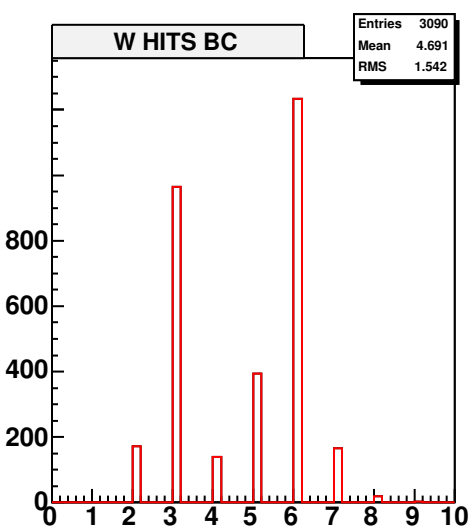


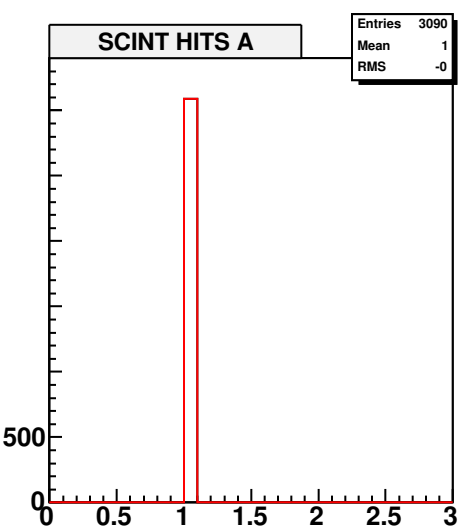


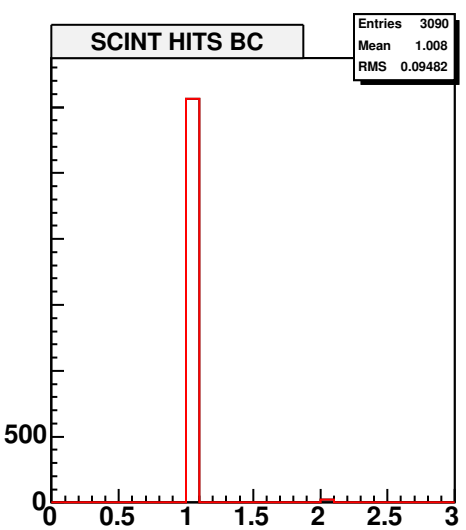




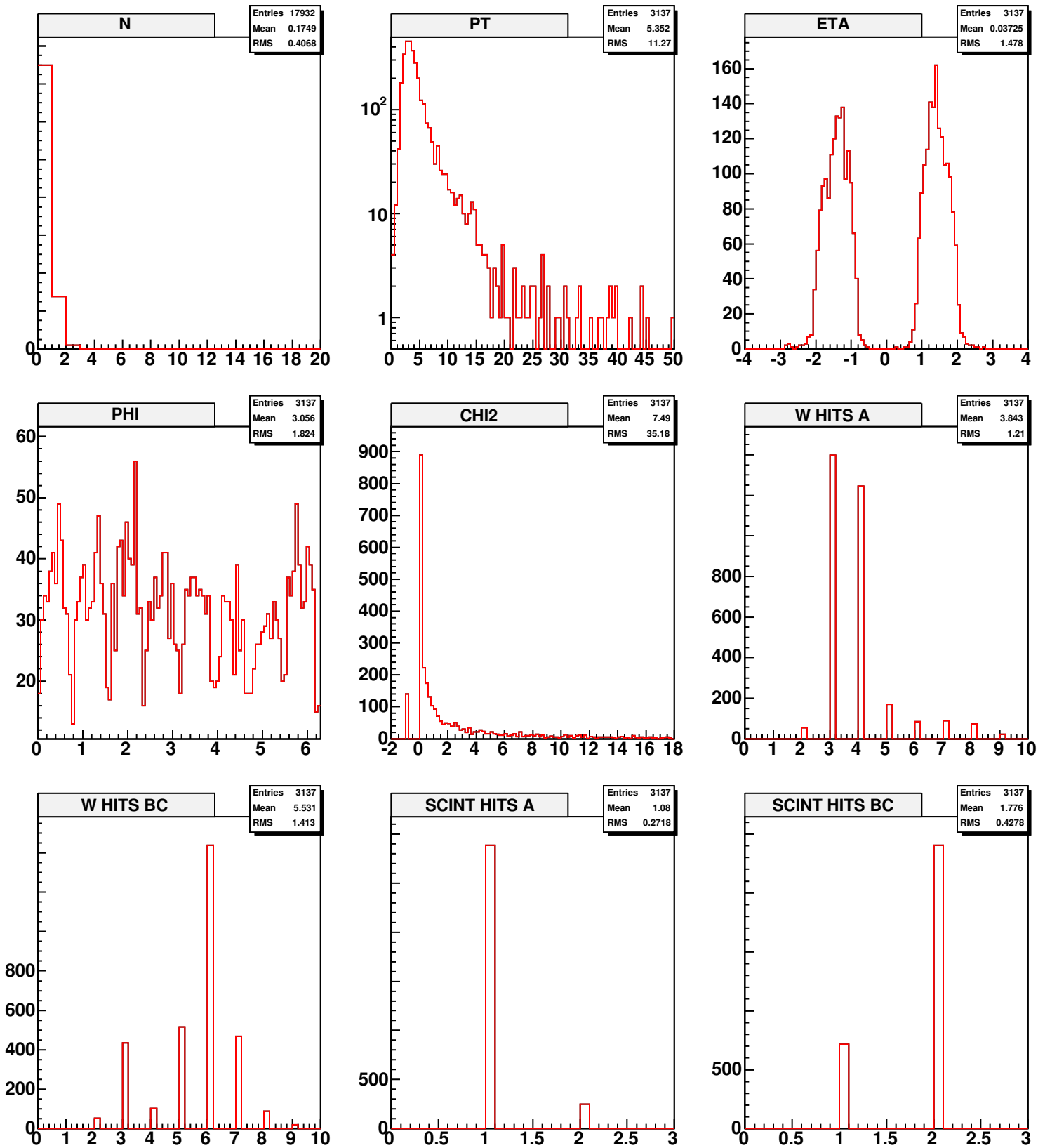




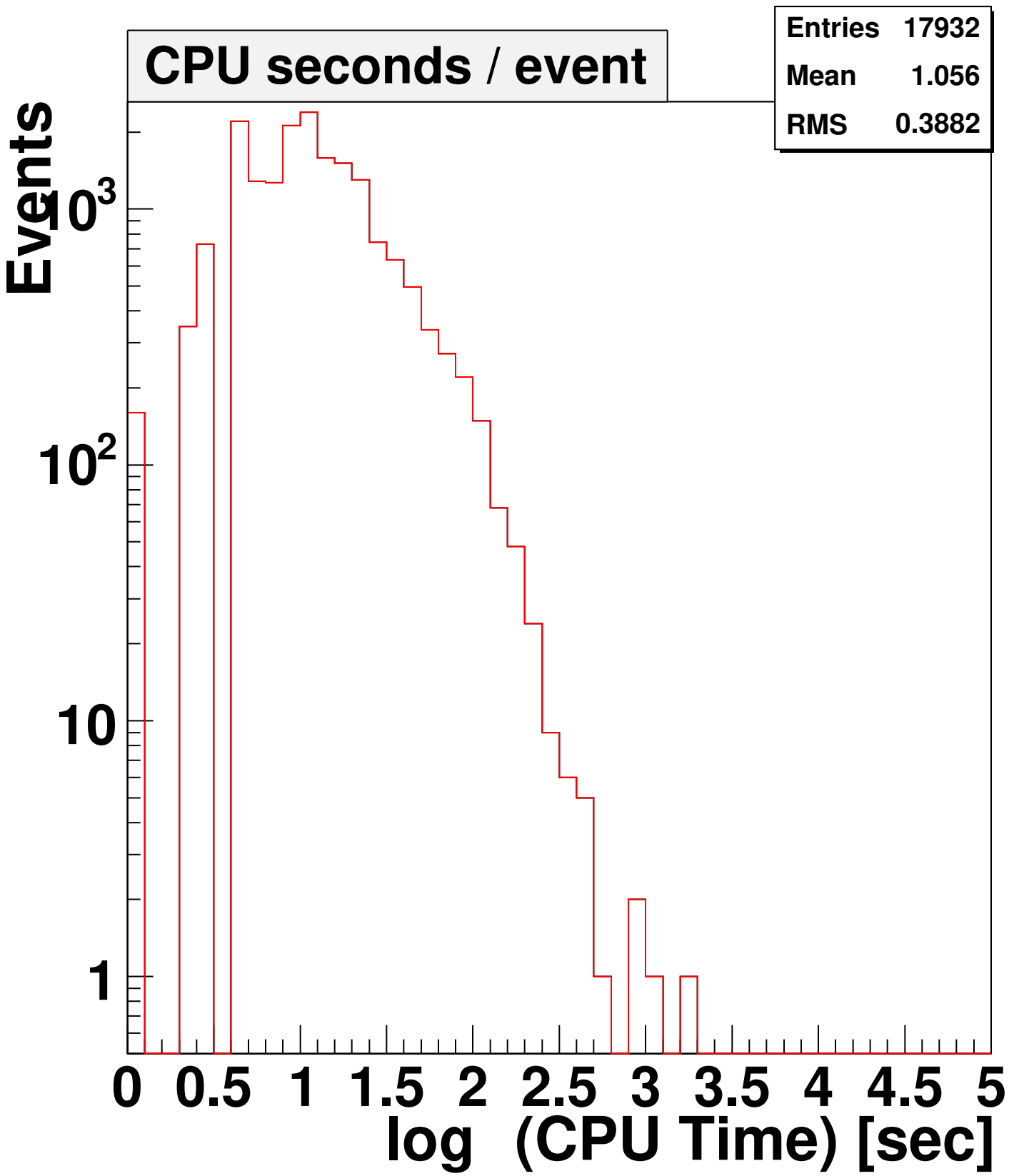




Muon Local Tracks (MediumWamus)



Muon Local Tracks (MediumFamus)



RECO Performance (Timing)