p201101b2_r237403_014.root
p201101-cftfix_r237403_014.root

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Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
Page 7: Tracking (Efficiency - Isolated)
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Page 50: SmtClusters (ClustrBar4)
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Page 52: SmtClusters (ClustrBar6)
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Page 81: L1CTT TEL Trigger Turn-on (All)
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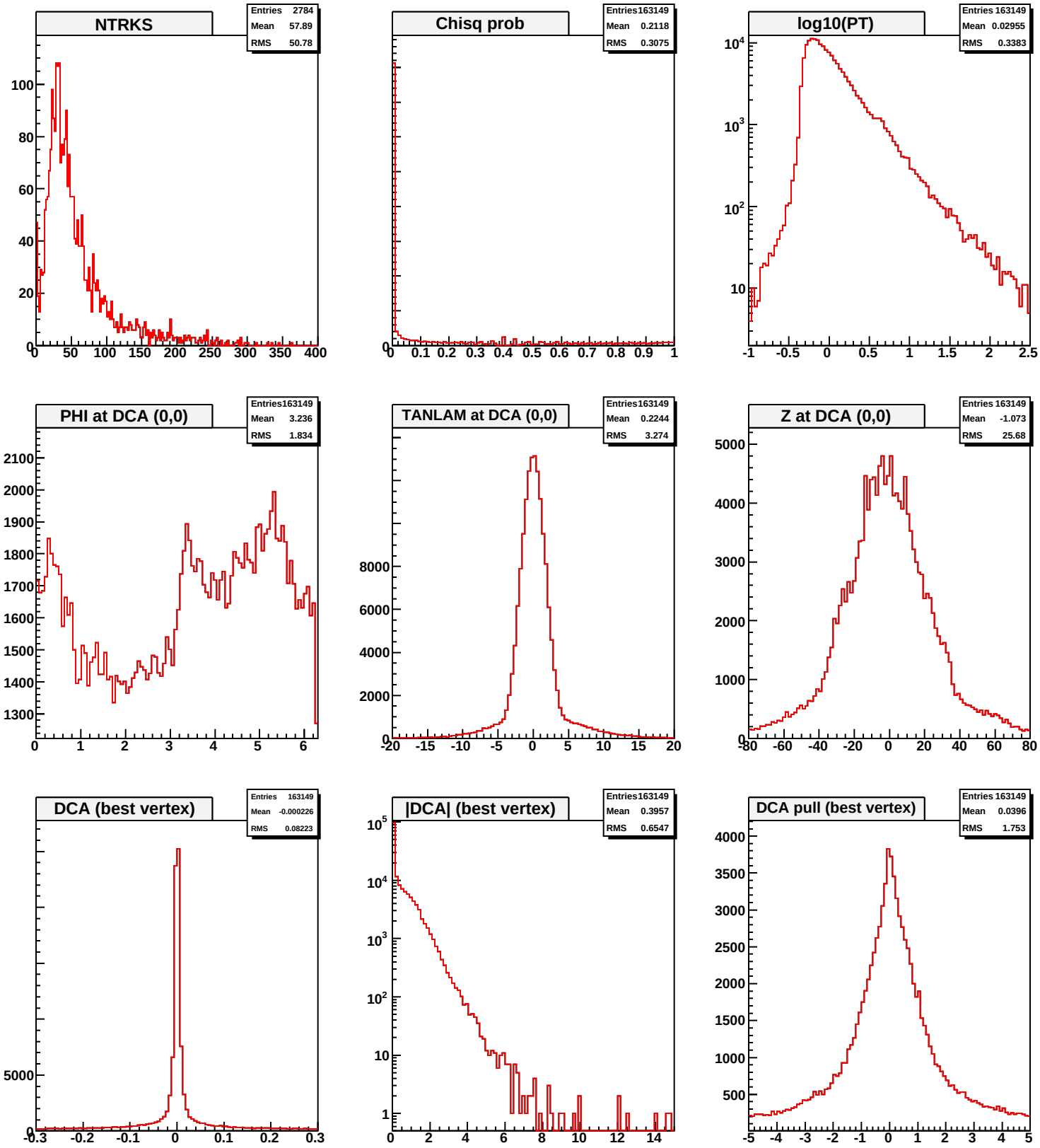
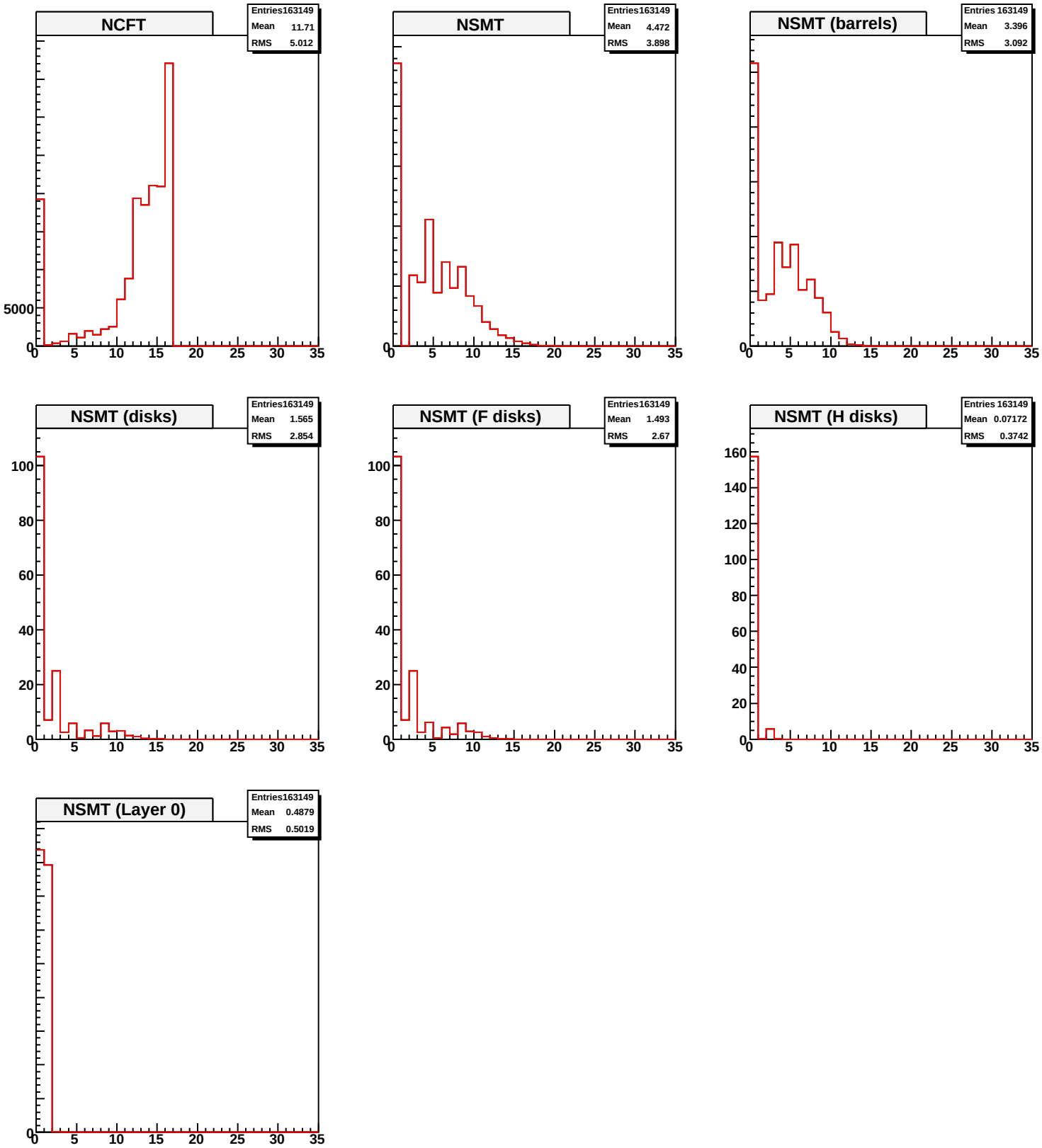
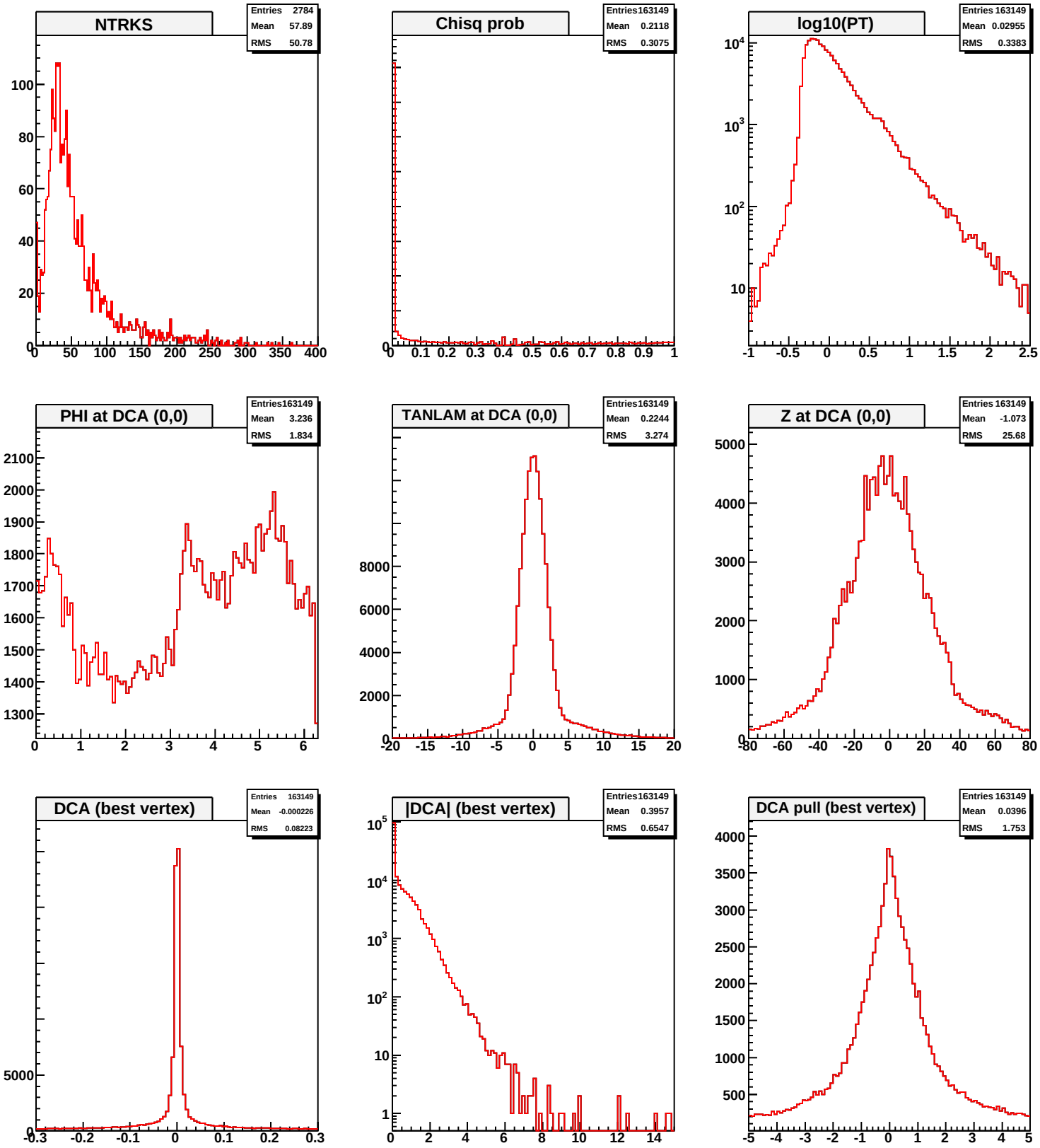
RecoCert_Plots (Index 2)


NTRKS
Entries 2784
Mean 57.89
RMS 50.78
Chisq prob
Entries 163149
Mean 0.2118
RMS 0.3075
log10(PT)
Entries 163149
Mean 0.02955
RMS 0.3383
PHI at DCA (0,0)
Entries 163149
Mean 3.236
RMS 1.834
TANLAM at DCA (0,0)
Entries 163149
Mean 0.2244
RMS 3.274
Z at DCA (0,0)
Entries 163149
Mean -1.073
RMS 25.68
DCA (best vertex)
Entries 163149
Mean -0.000226
RMS 0.08223
|DCA| (best vertex)
Entries 163149
Mean 0.3957
RMS 0.6547
DCA pull (best vertex)
Entries 163149
Mean 0.0396
RMS 1.753

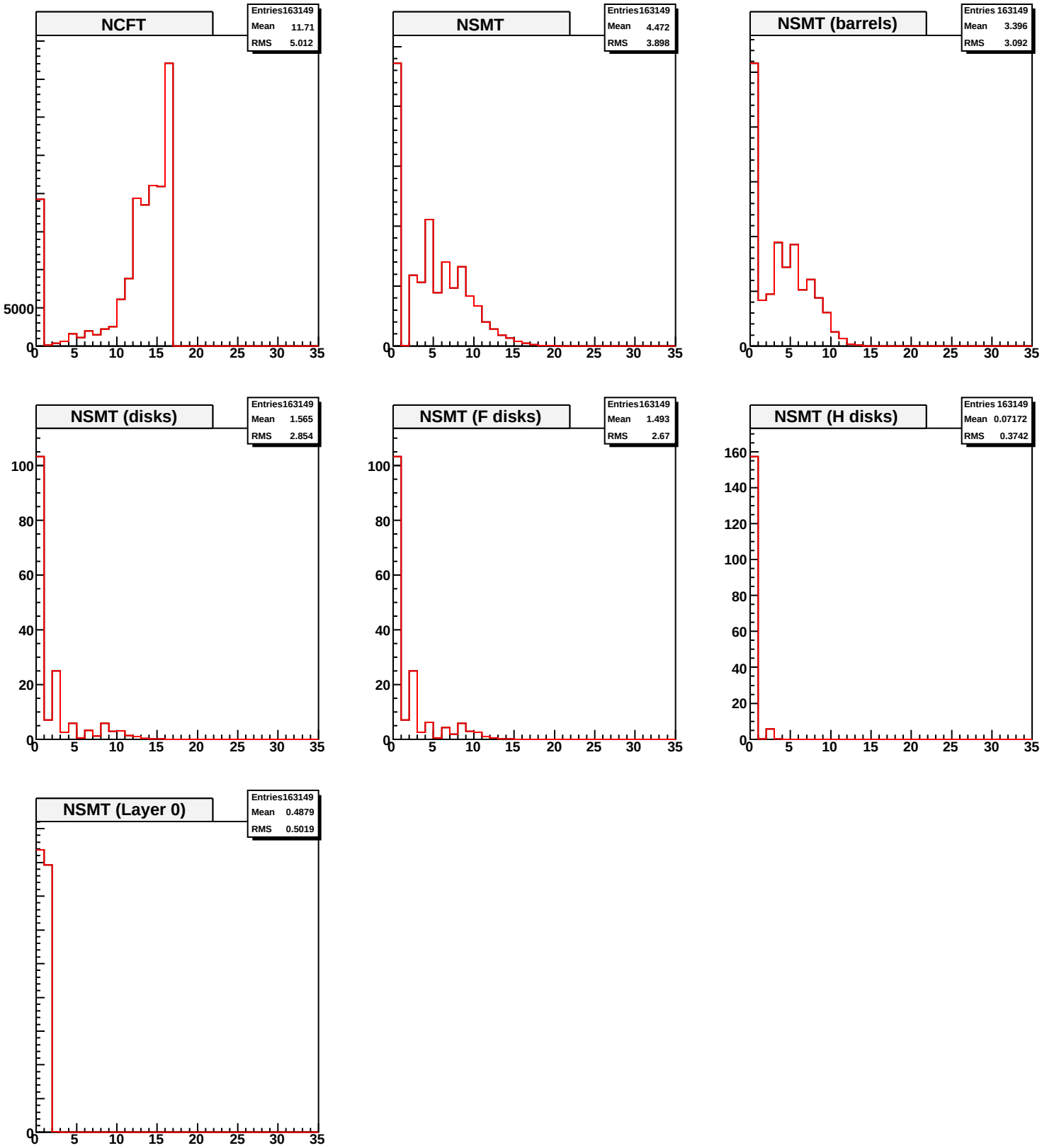
Tracks (All)



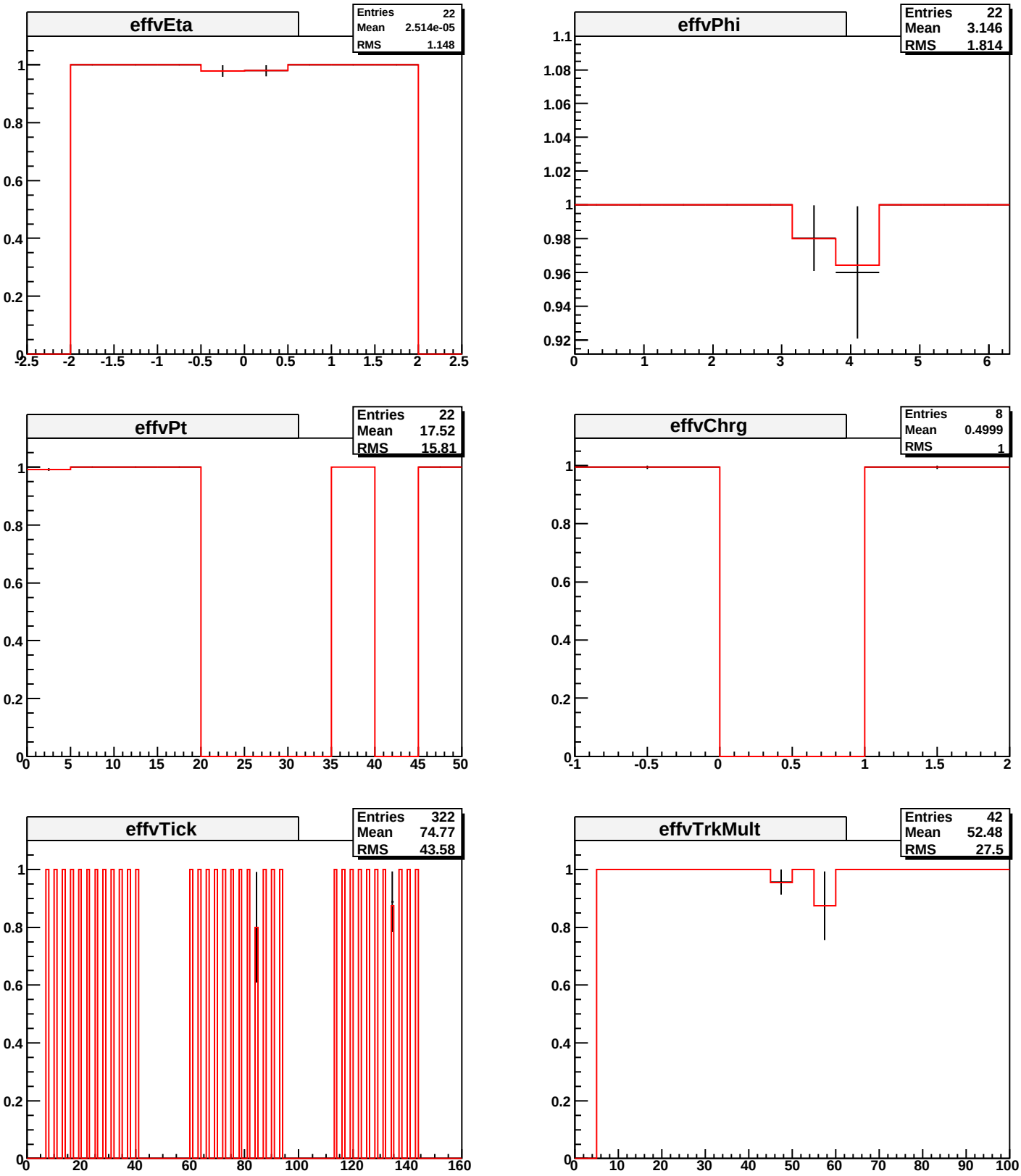
Track Hits (All)



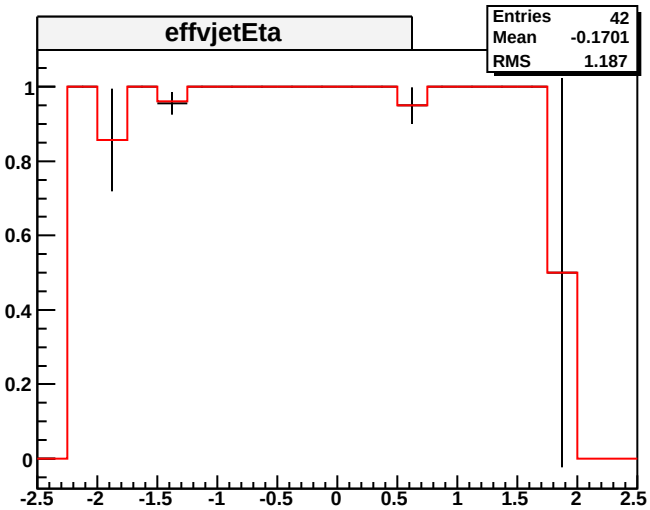
Tracks (Tight)

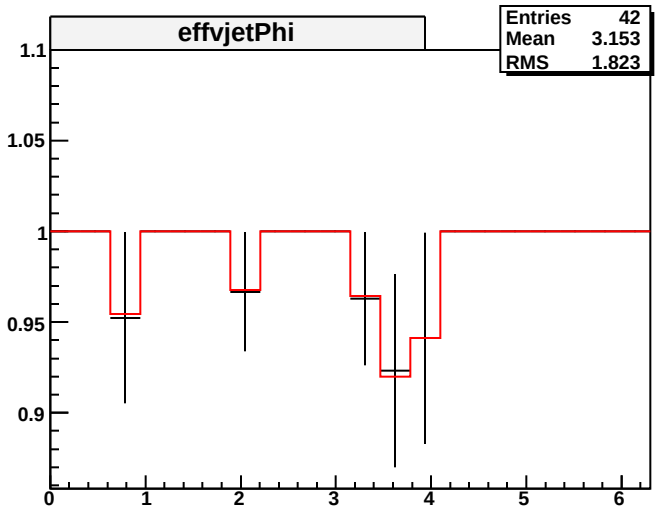


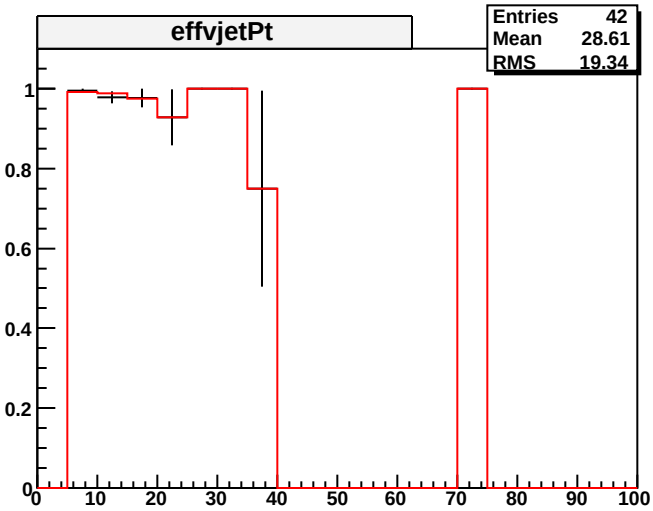
Track Hits (Tight)



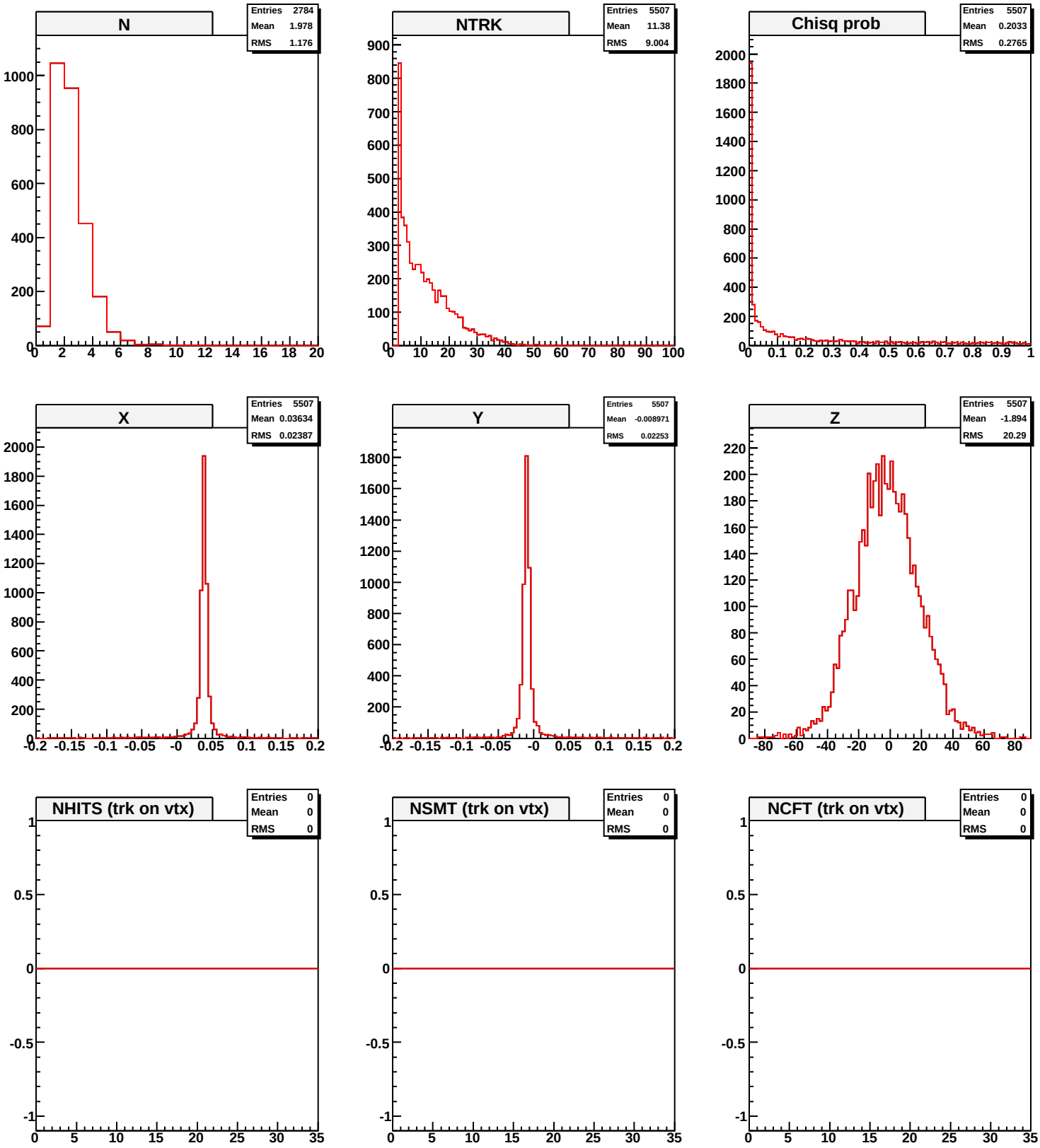
Tracking (Efficiency-Isolated)



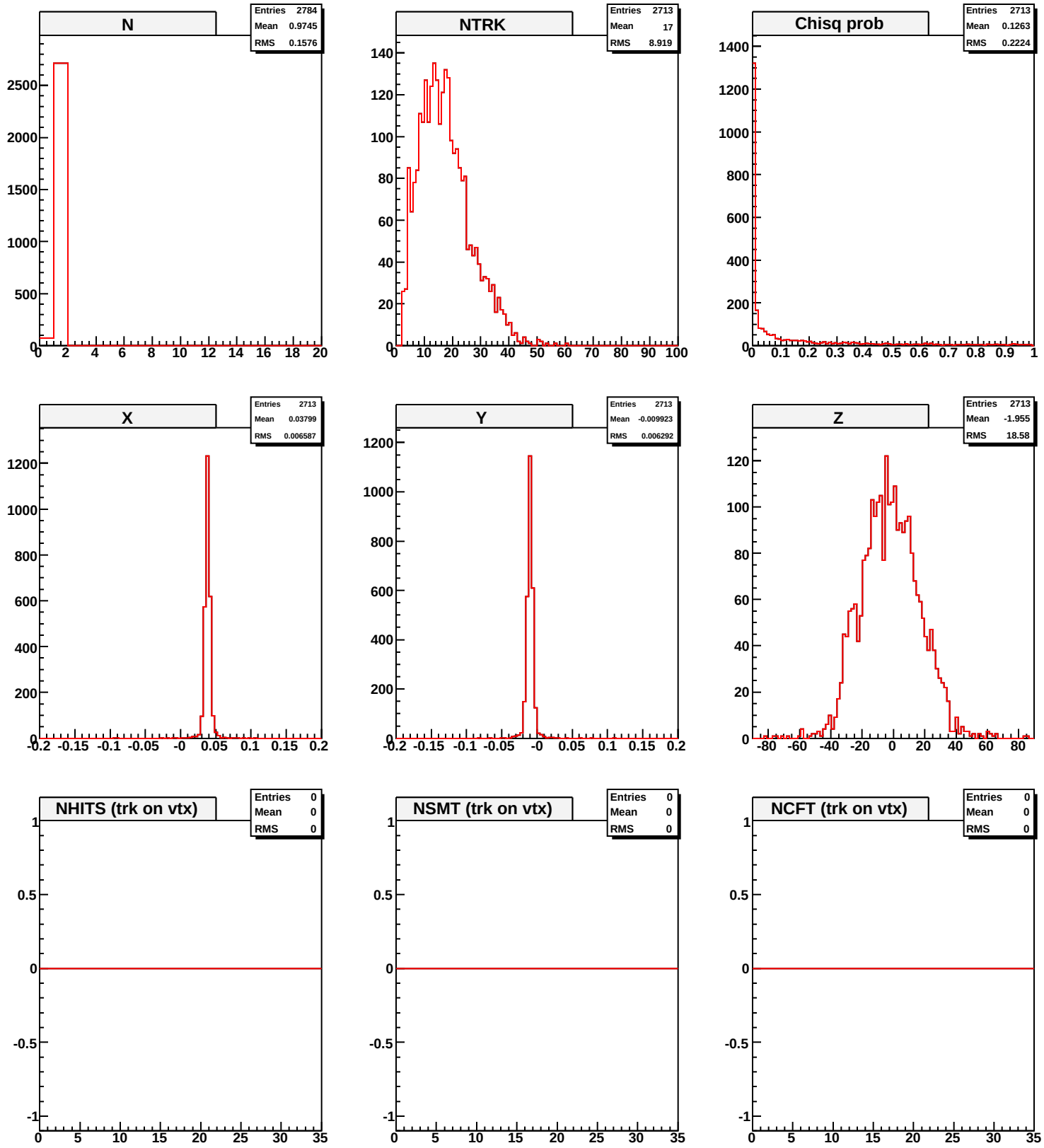




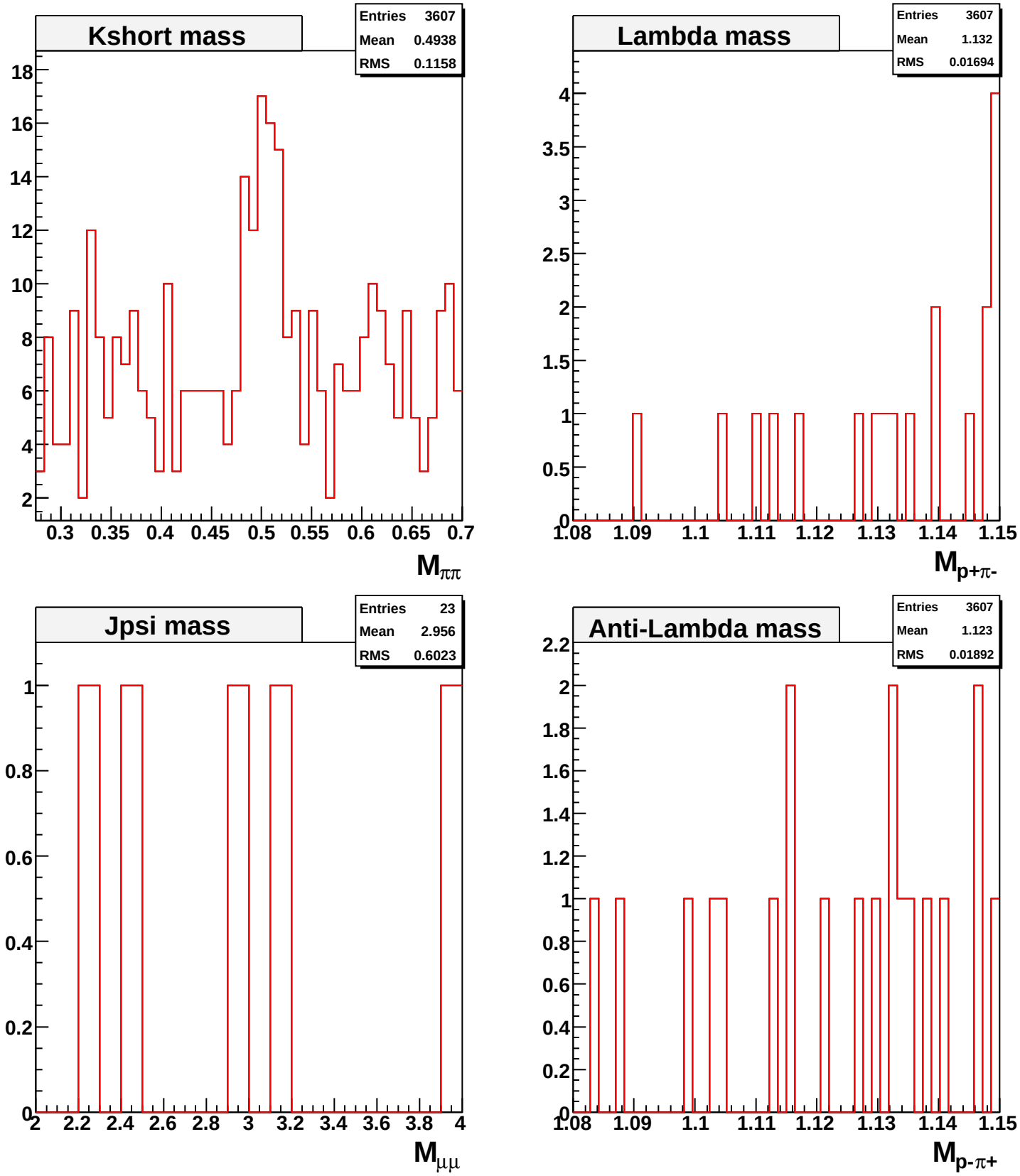
Tracking (Efficiency-InJets)



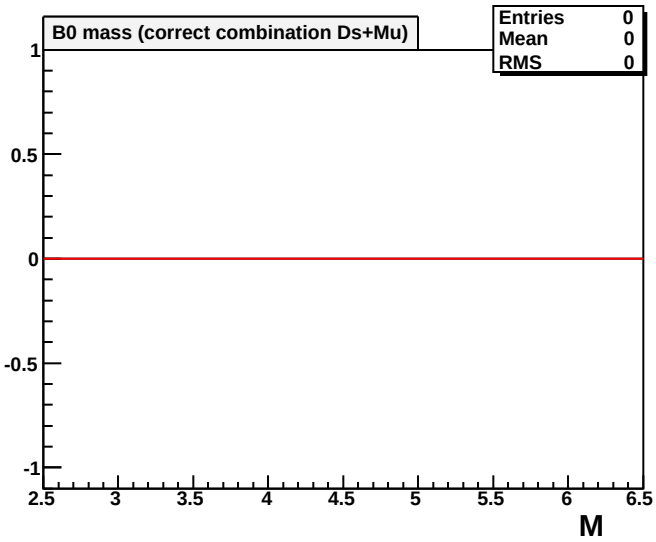
Vertices (Primary - all candidates)

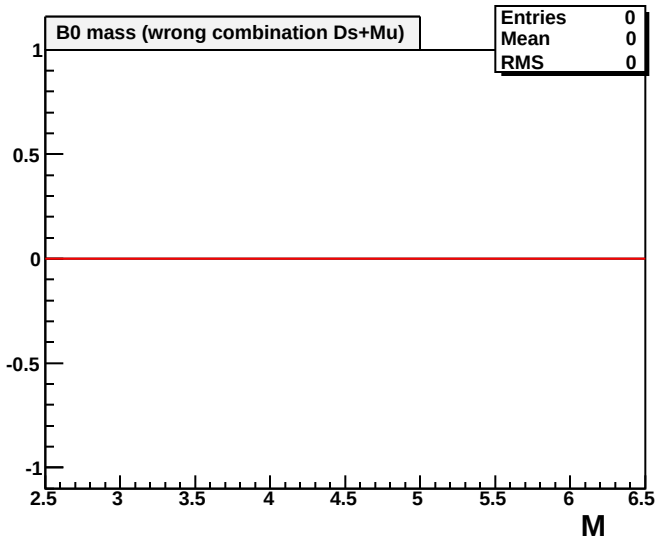


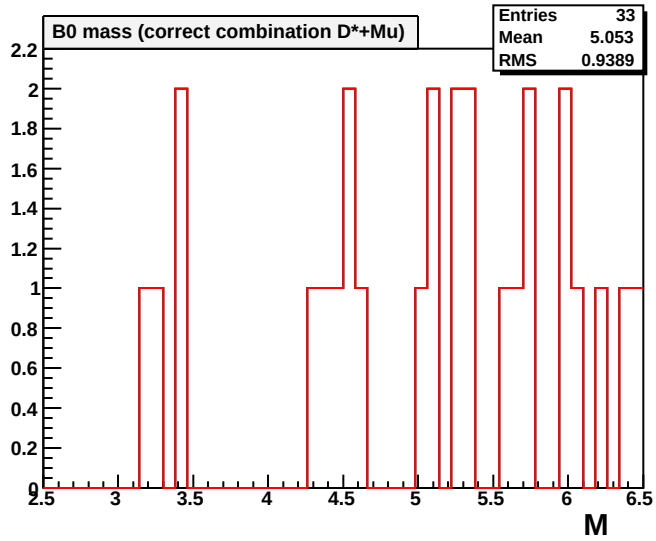
Vertices (Primary - best)

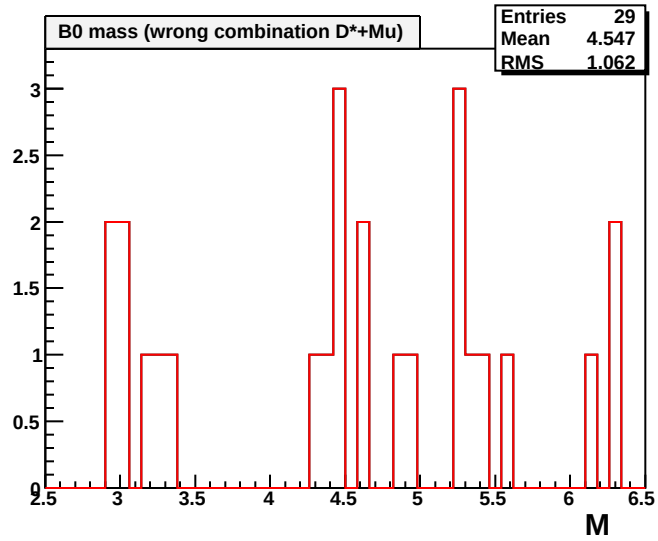

Kshort mass
Entries 3607
Mean 0.4938
RMS 0.1158
$M_{\pi\pi}$
Lambda mass
Entries 3607
Mean 1.132
RMS 0.01694
$M_{p+\pi-}$
Jpsi mass
Entries 23
Mean 2.956
RMS 0.6023
$M_{\mu\mu}$
Anti-Lambda mass
Entries 3607
Mean 1.123
RMS 0.01892
$M_{p-\pi+}$

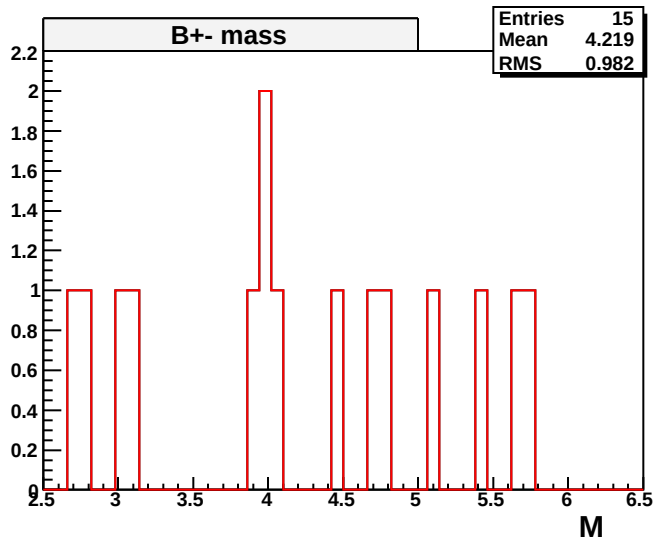
V0 (All)



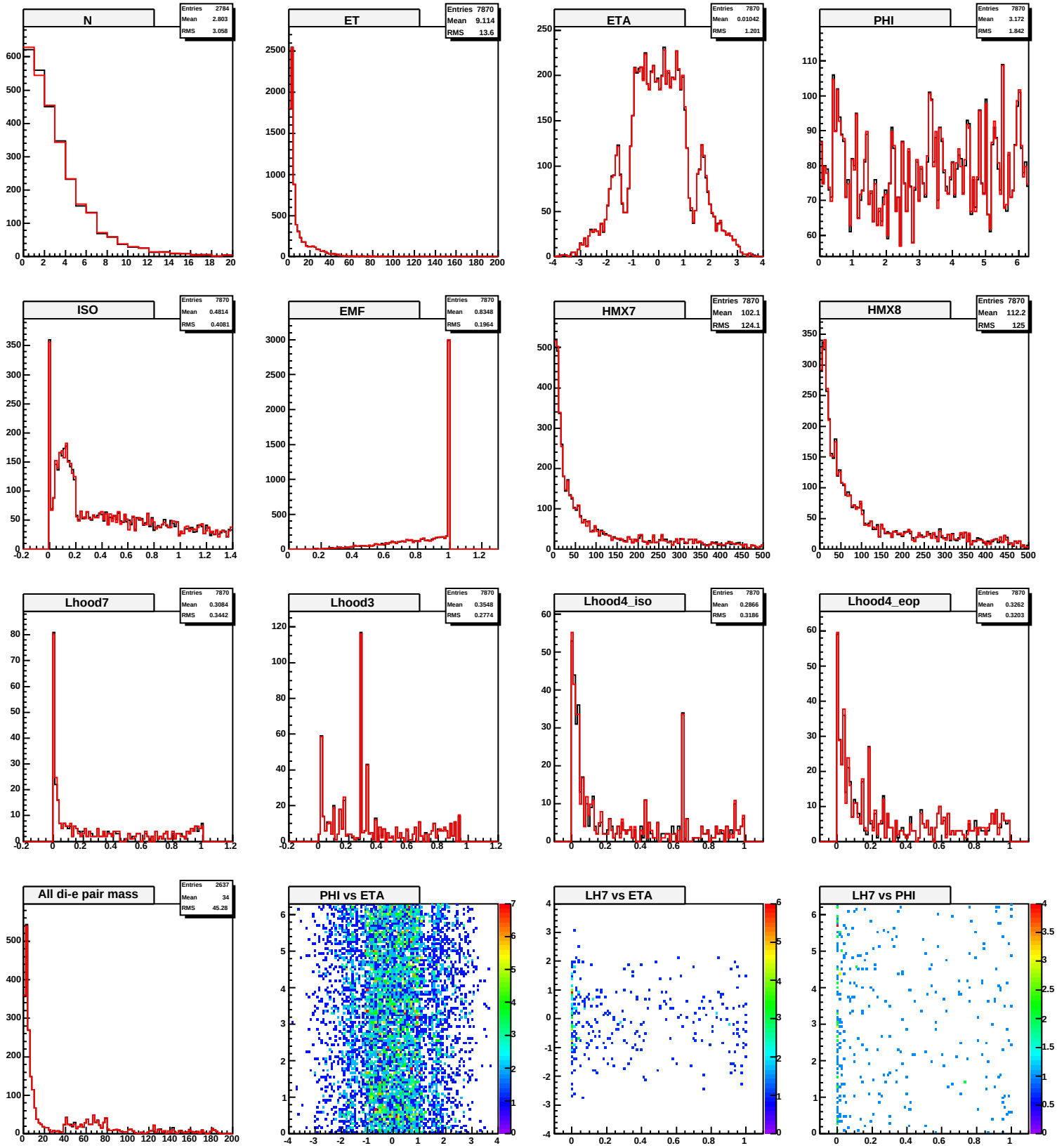




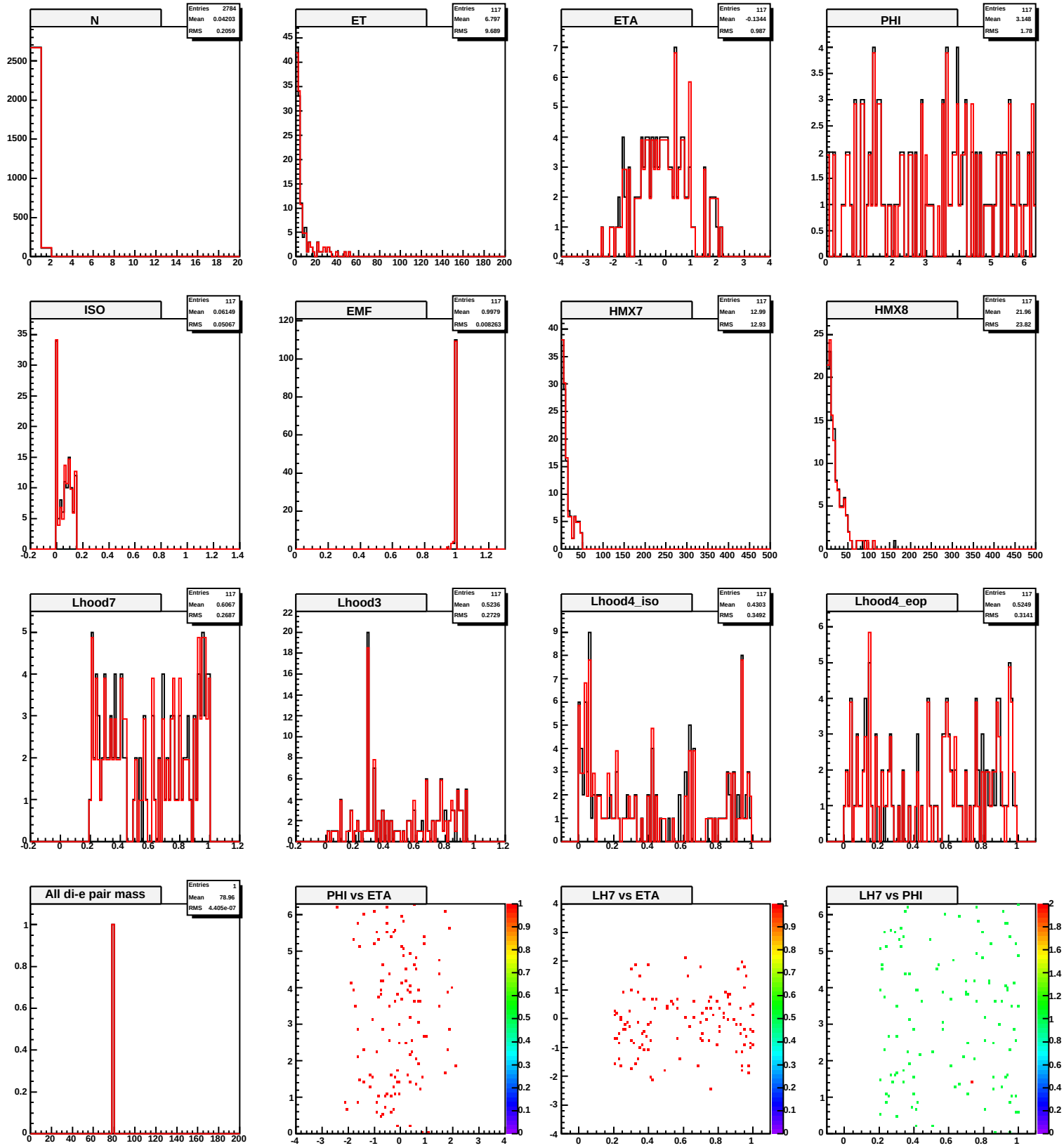




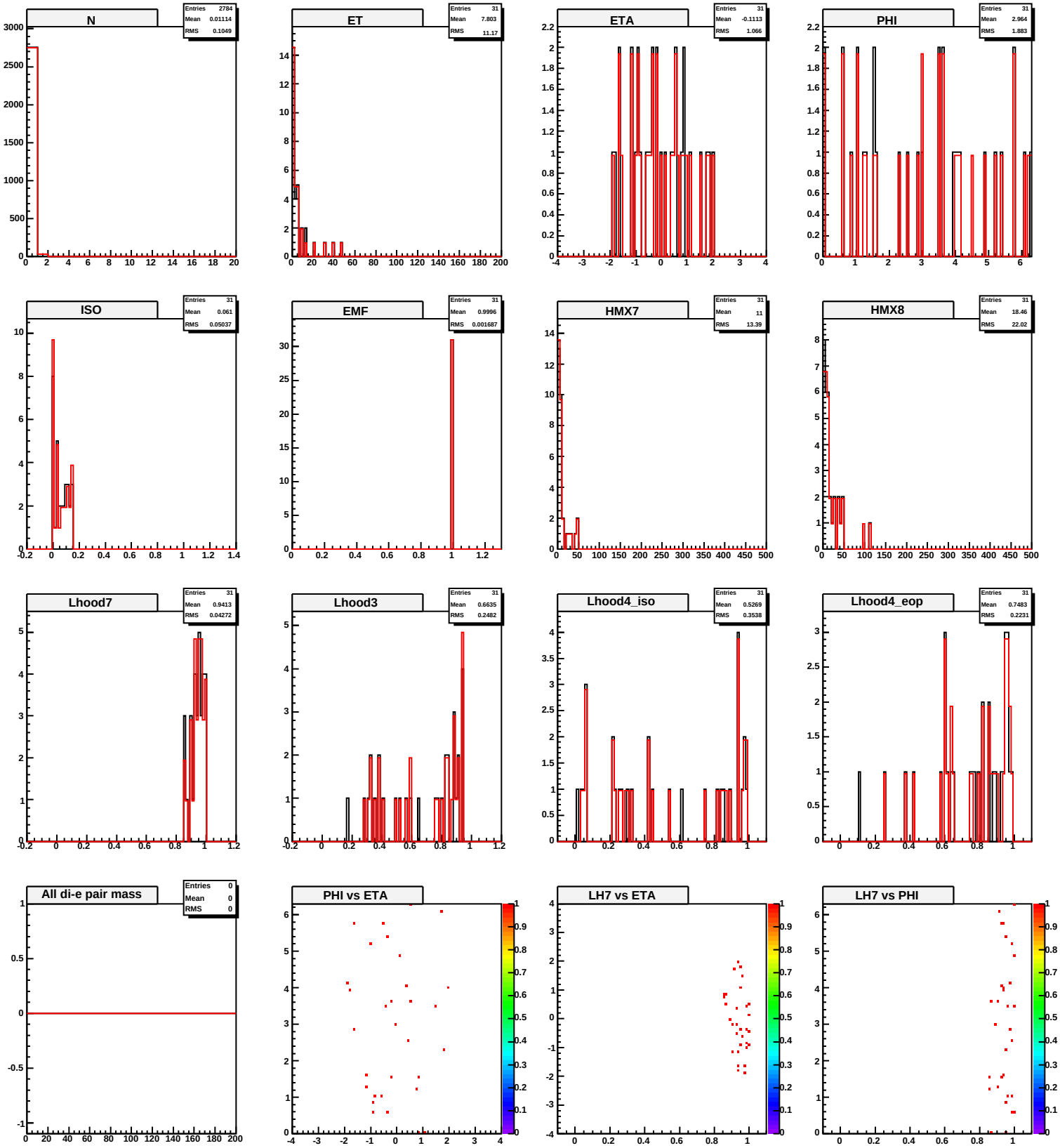
V0(B mesons) (All)



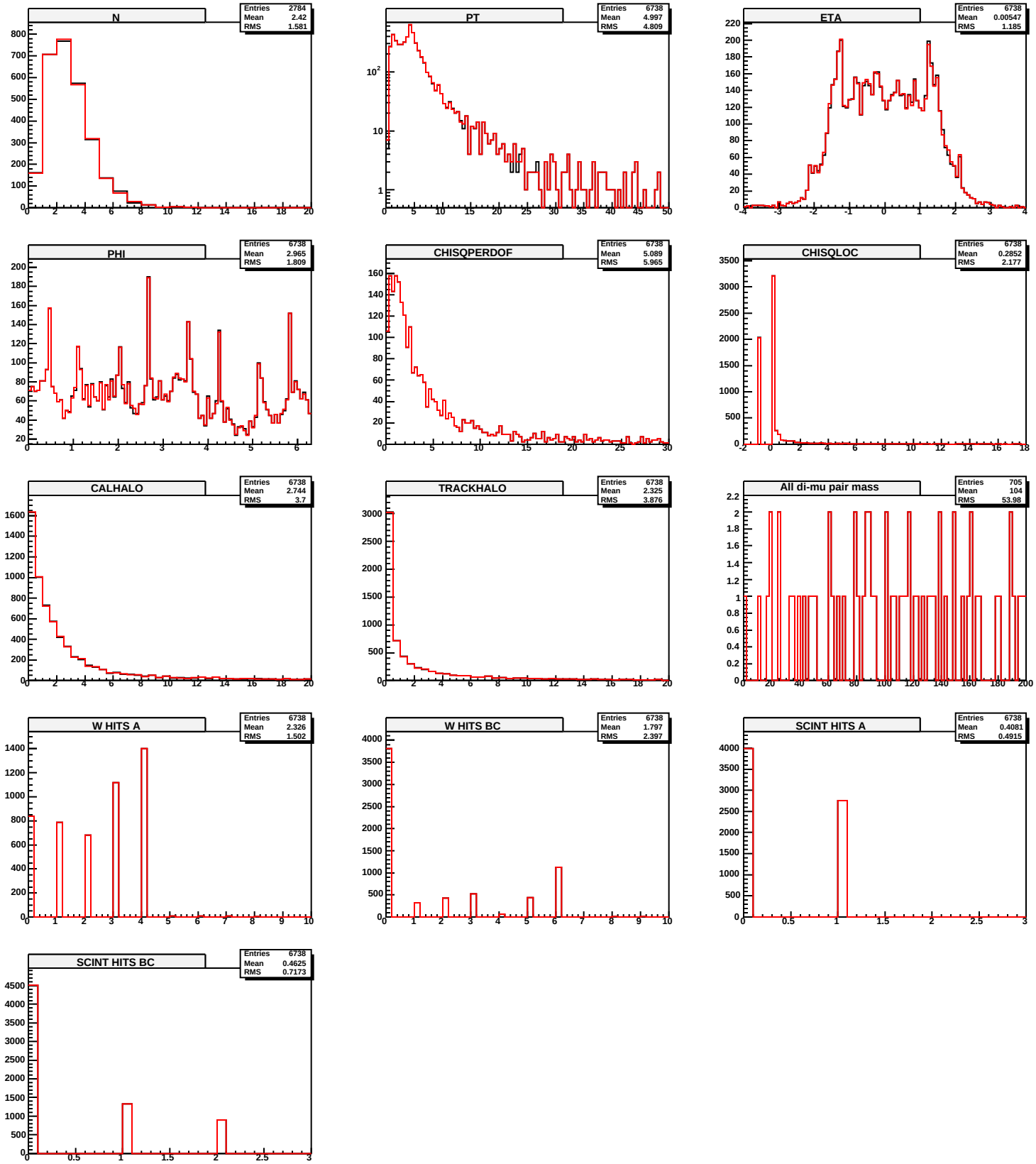
Electrons (SCONE All)



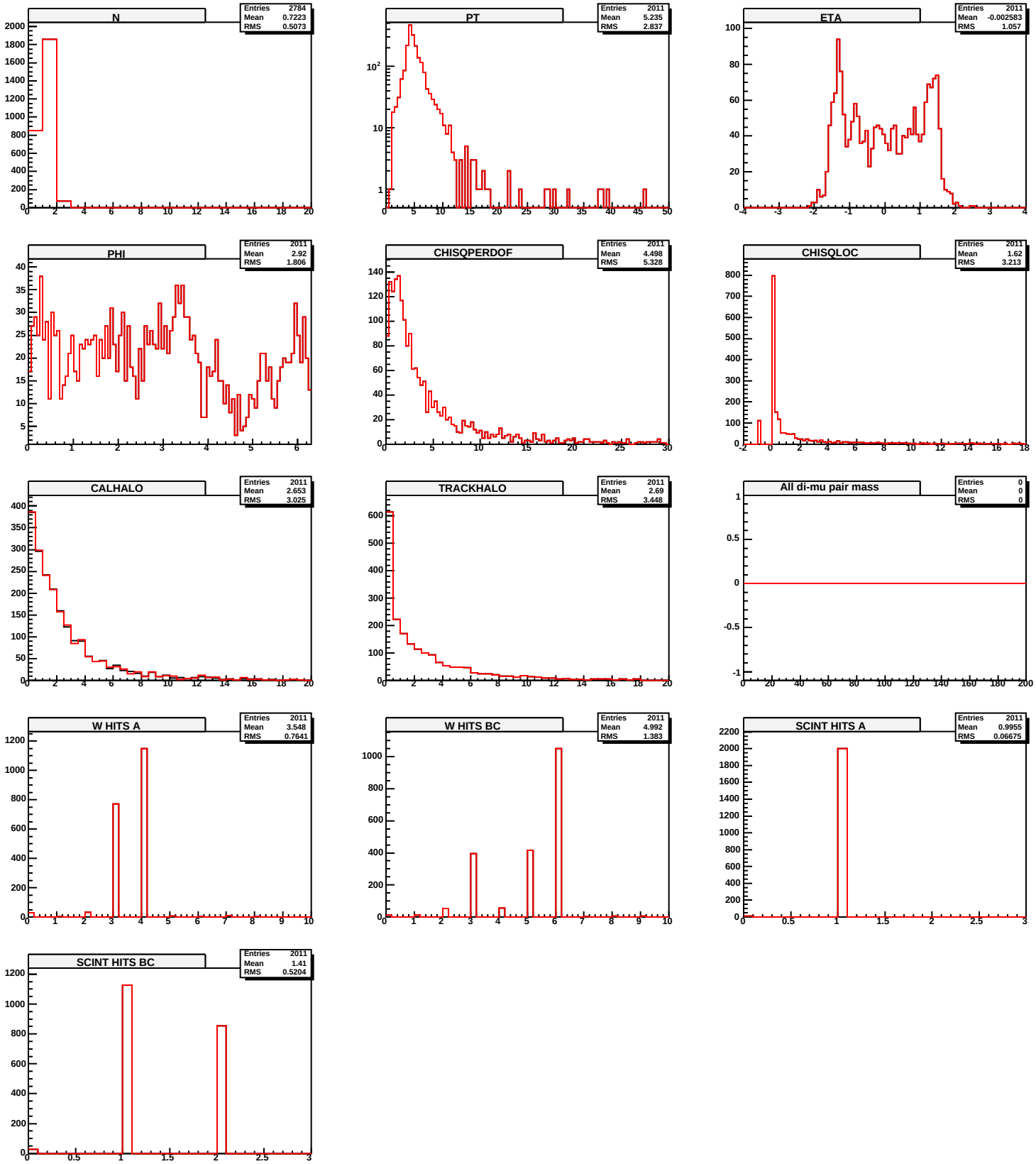
Electrons (SCONE Loose)



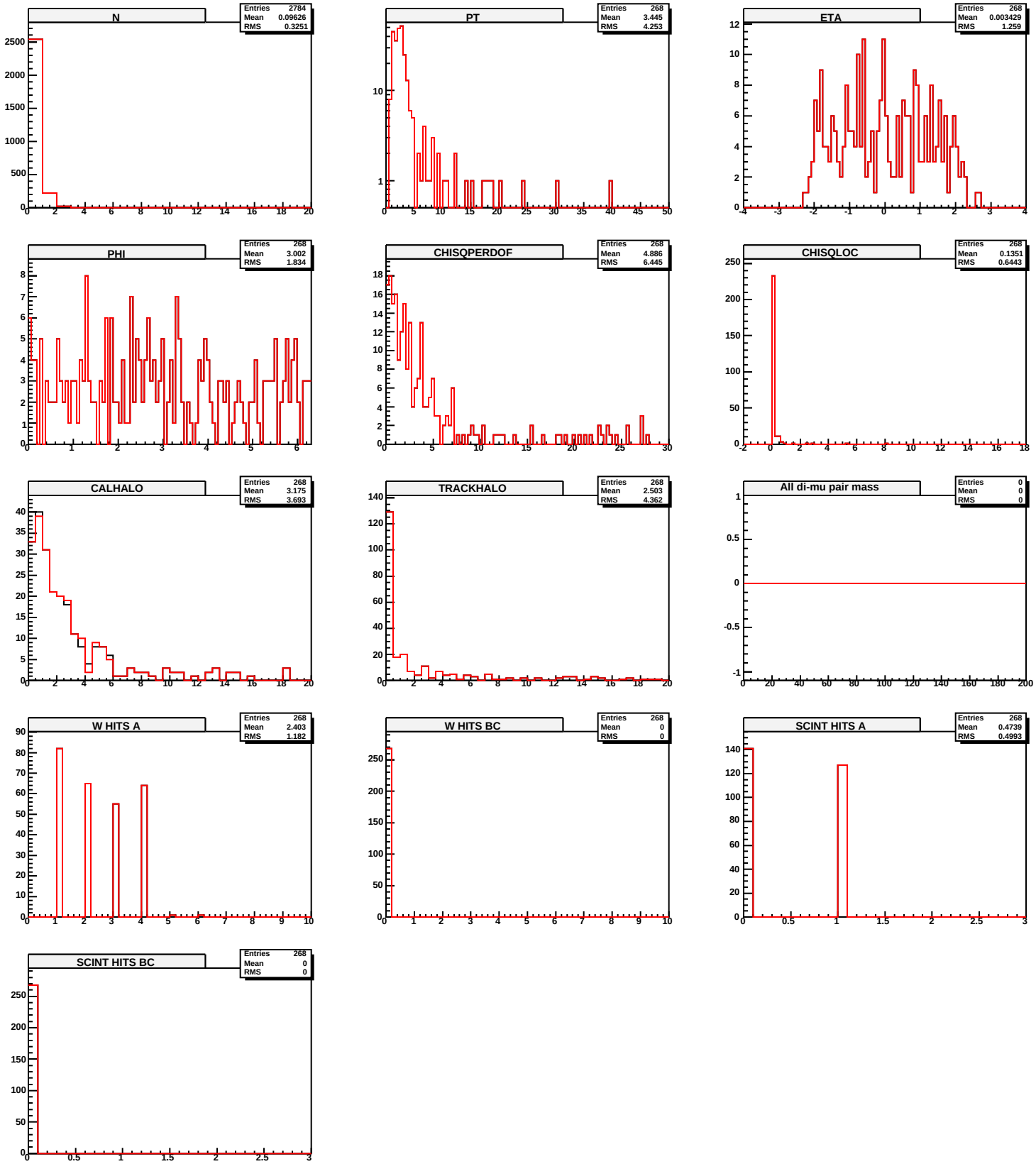
Electrons (SCONE Tight)


N
Entries 2784
Mean 2.42
RMS 1.581
PT
Entries 6738
Mean 4.997
RMS 4.809
ETA
Entries 6738
Mean 0.00547
RMS 1.185
PHI
Entries 6738
Mean 2.965
RMS 1.809
CHISQPERDOF
Entries 6738
Mean 5.089
RMS 5.965
CHISQLOC
Entries 6738
Mean 0.2852
RMS 2.177
CALHALO
Entries 6738
Mean 2.744
RMS 3.7
TRACKHALO
Entries 6738
Mean 2.325
RMS 3.876
All di-mu pair mass
Entries 705
Mean 104
RMS 53.98
W HITS A
Entries 6738
Mean 2.326
RMS 1.502
W HITS BC
Entries 6738
Mean 1.797
RMS 2.397
SCINT HITS A
Entries 6738
Mean 0.4081
RMS 0.4915
SCINT HITS BC
Entries 6738
Mean 0.4625
RMS 0.7173

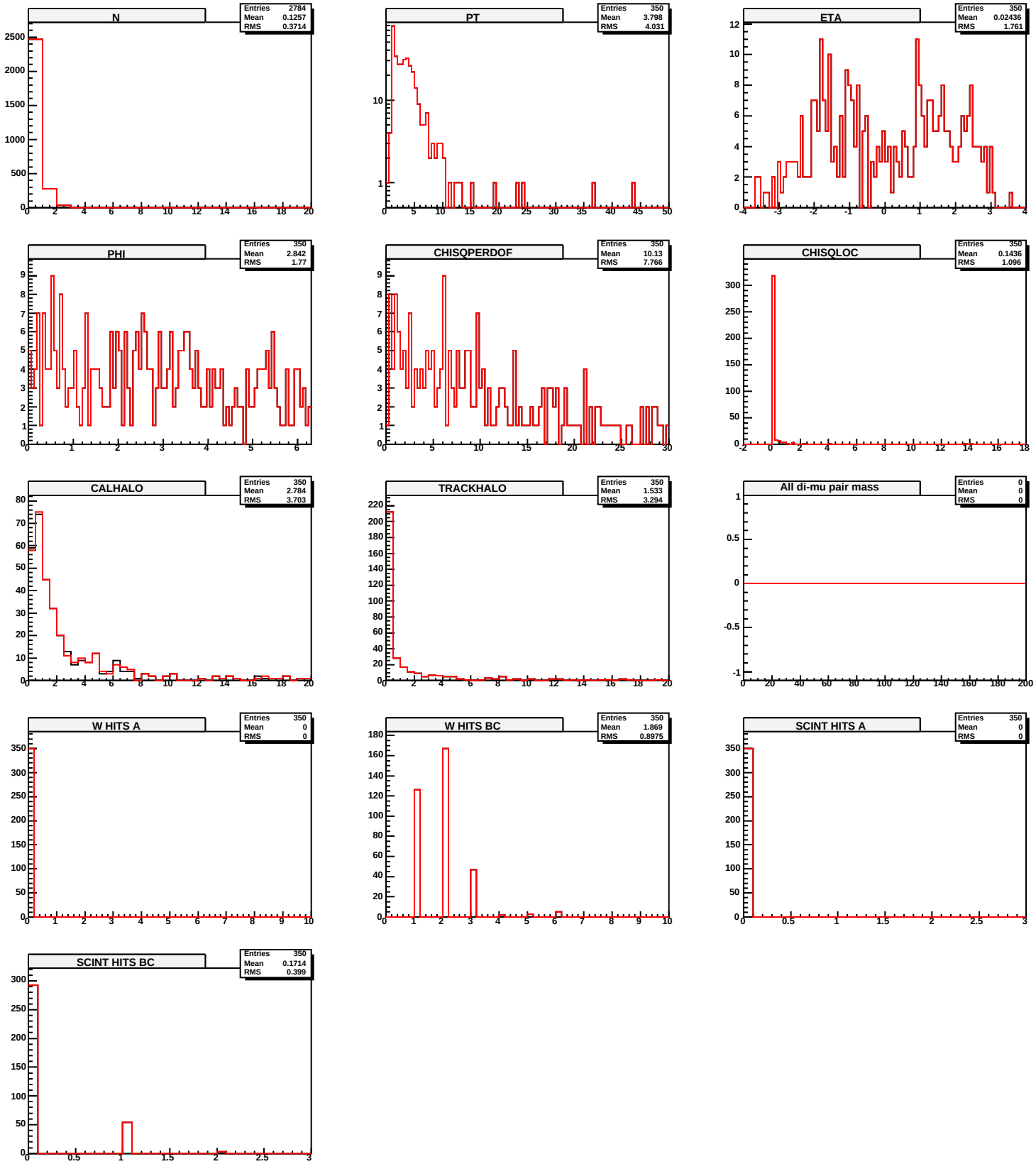
Muons (All)



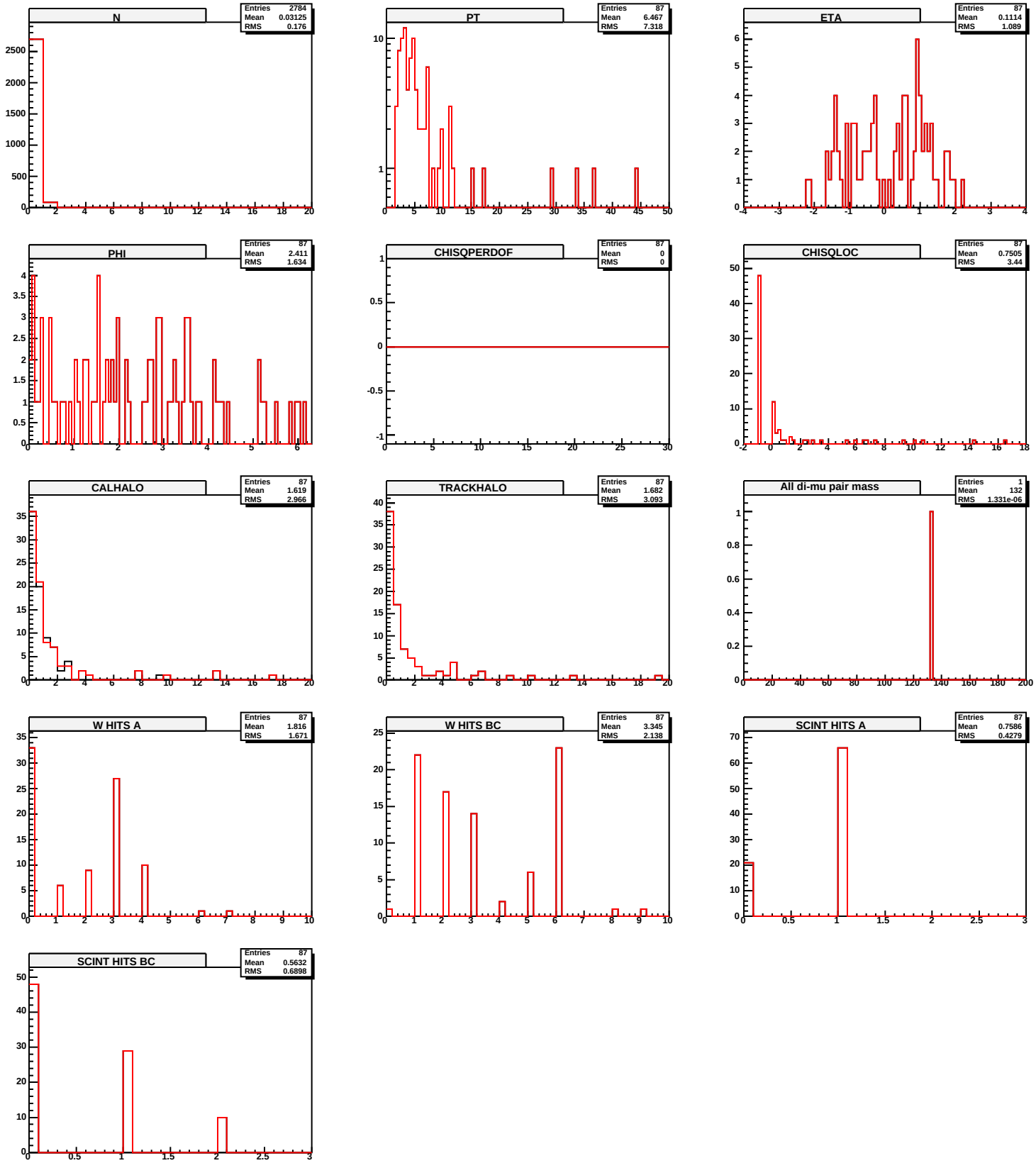
Muons (Matched)


N
Entries 2784
Mean 0.09626
RMS 0.3251
PT
Entries 268
Mean 3.445
RMS 4.253
ETA
Entries 268
Mean 0.003429
RMS 1.259
PHI
Entries 268
Mean 3.002
RMS 1.834
CHISQPERDOF
Entries 268
Mean 4.886
RMS 6.445
CHISQLOC
Entries 268
Mean 0.1351
RMS 0.6443
CALHALO
Entries 268
Mean 3.175
RMS 3.693
TRACKHALO
Entries 268
Mean 2.503
RMS 4.362
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 268
Mean 2.403
RMS 1.182
W HITS BC
Entries 268
Mean 0
RMS 0
SCINT HITS A
Entries 268
Mean 0.4739
RMS 0.4993
SCINT HITS BC
Entries 268
Mean 0
RMS 0

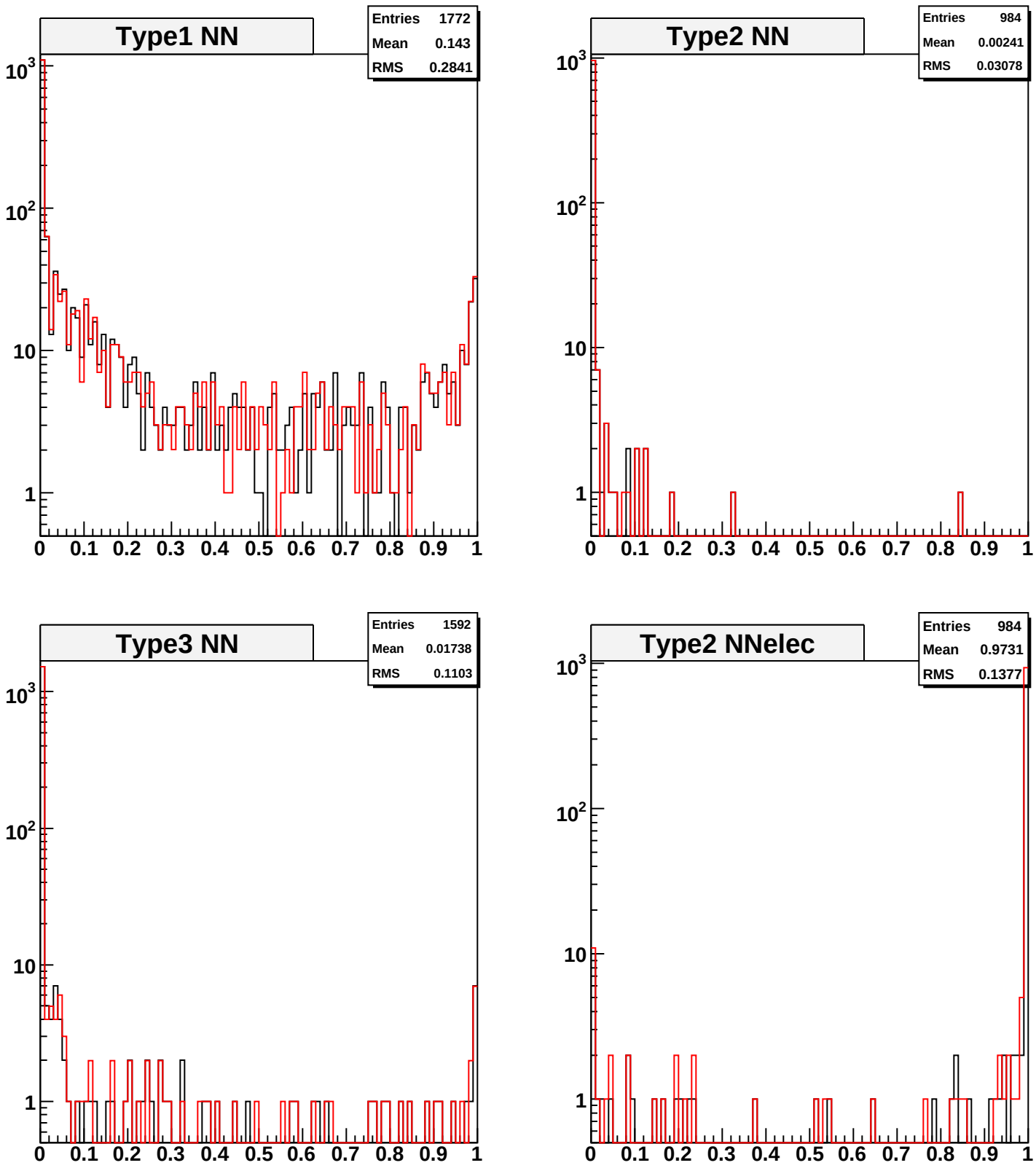
Muons (Astub)



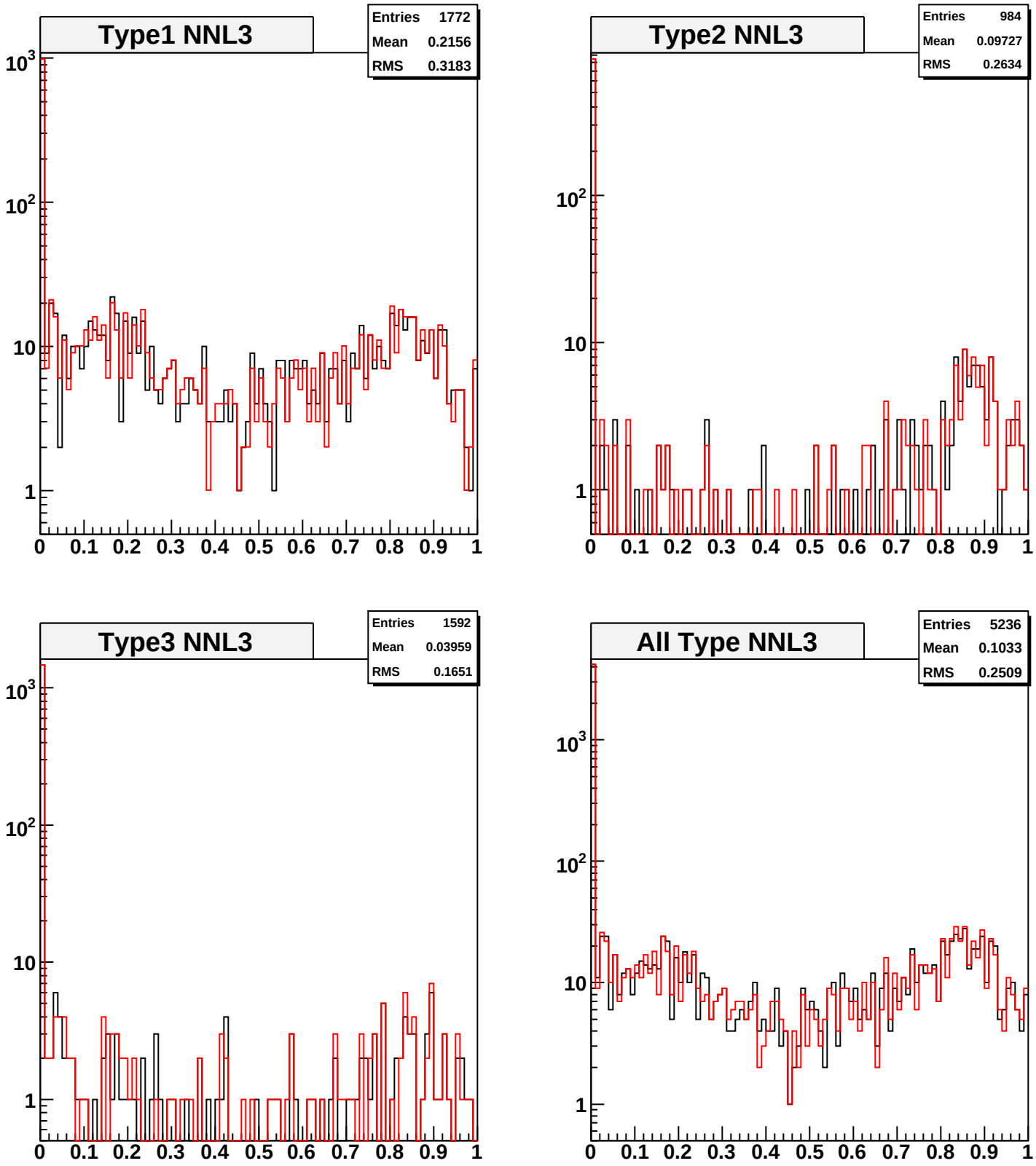
Muons (BCstub)



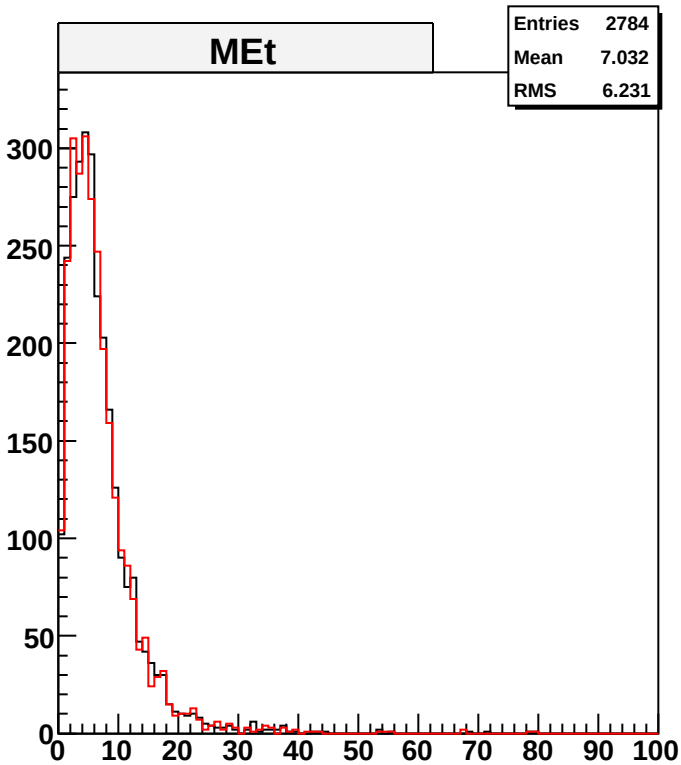
Muons (Unmatched)

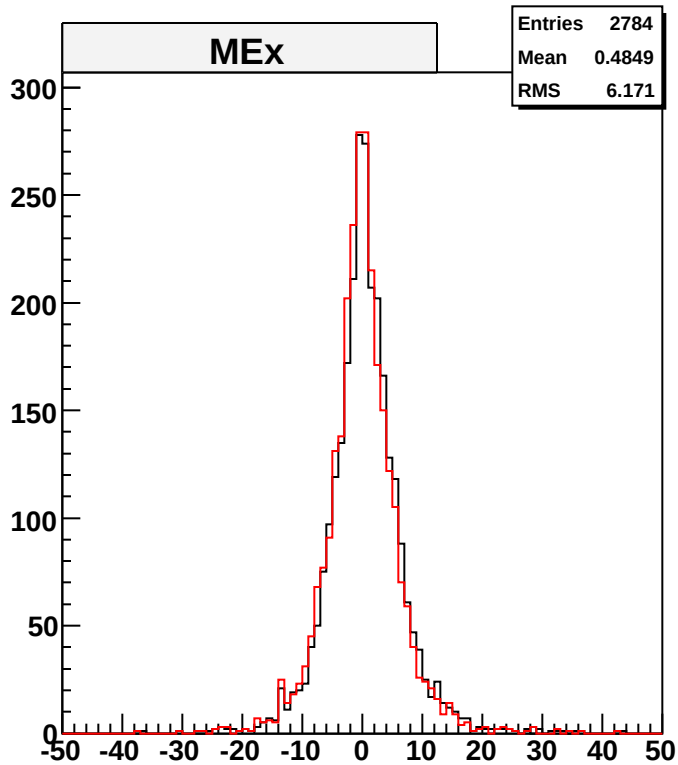


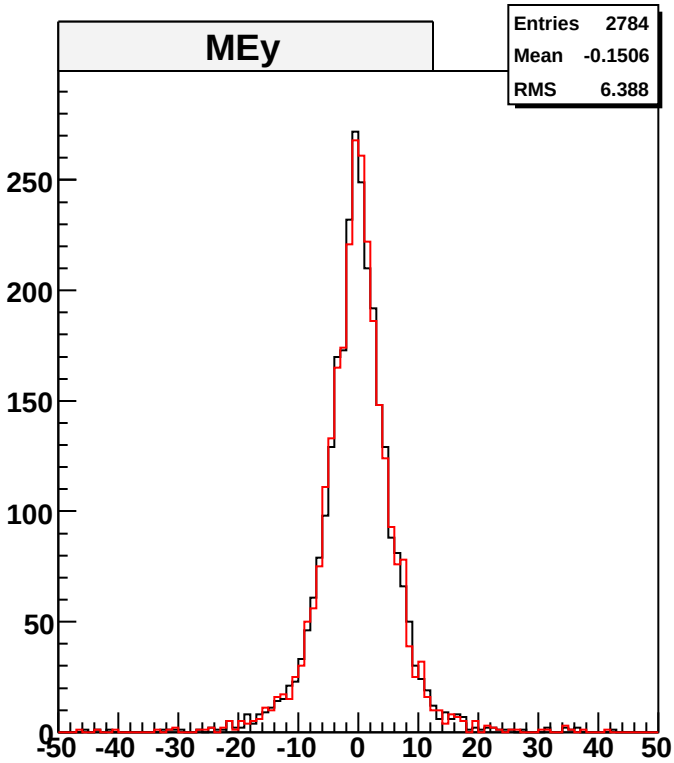
Taus NN (TAU All)



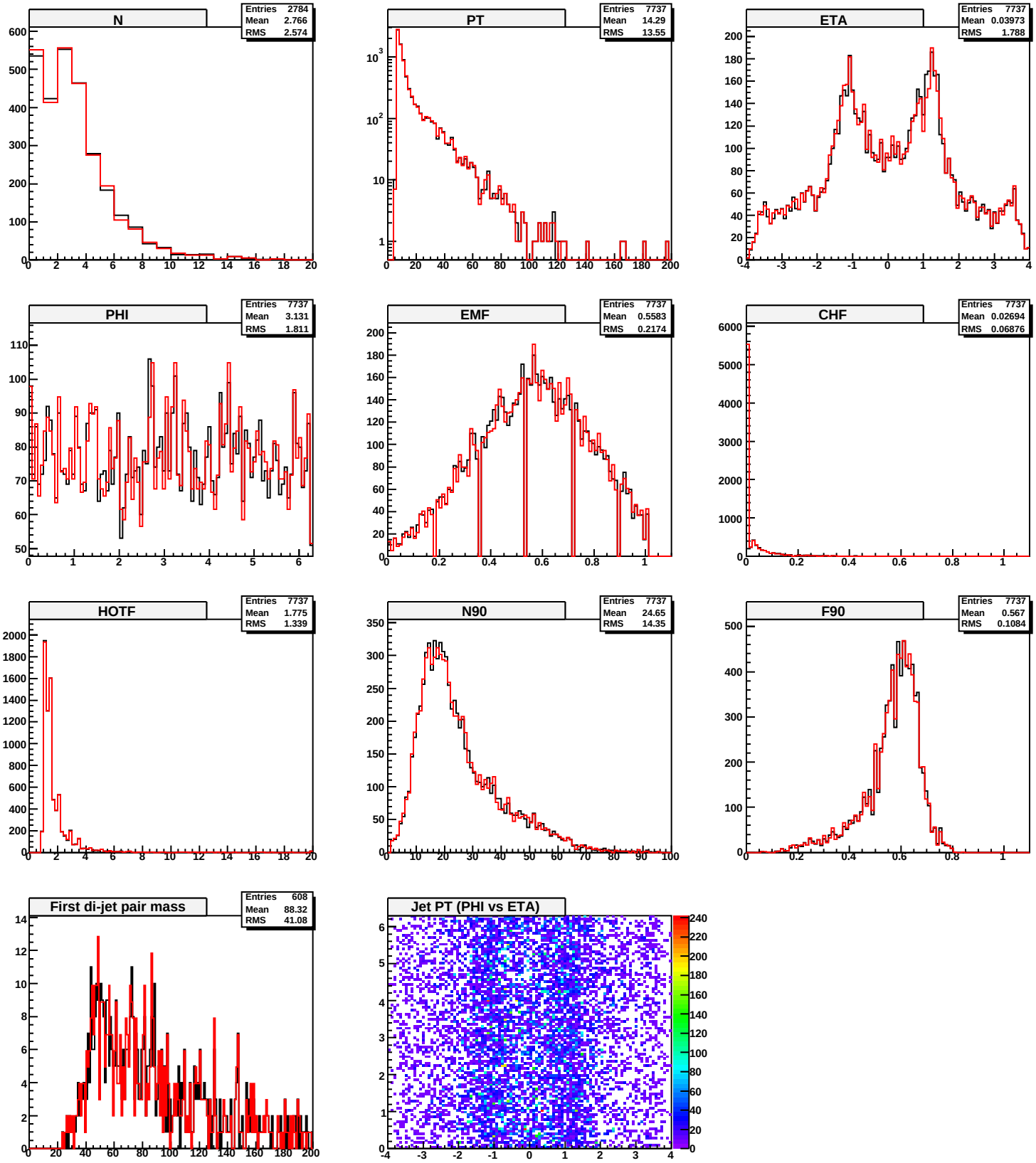
Taus NNL3 (TAU All)


MEt
Entries 2784
Mean 7.032
RMS 6.231
0
50
100
150
200
250
300
0 10 20 30 40 50 60 70 80 90 100

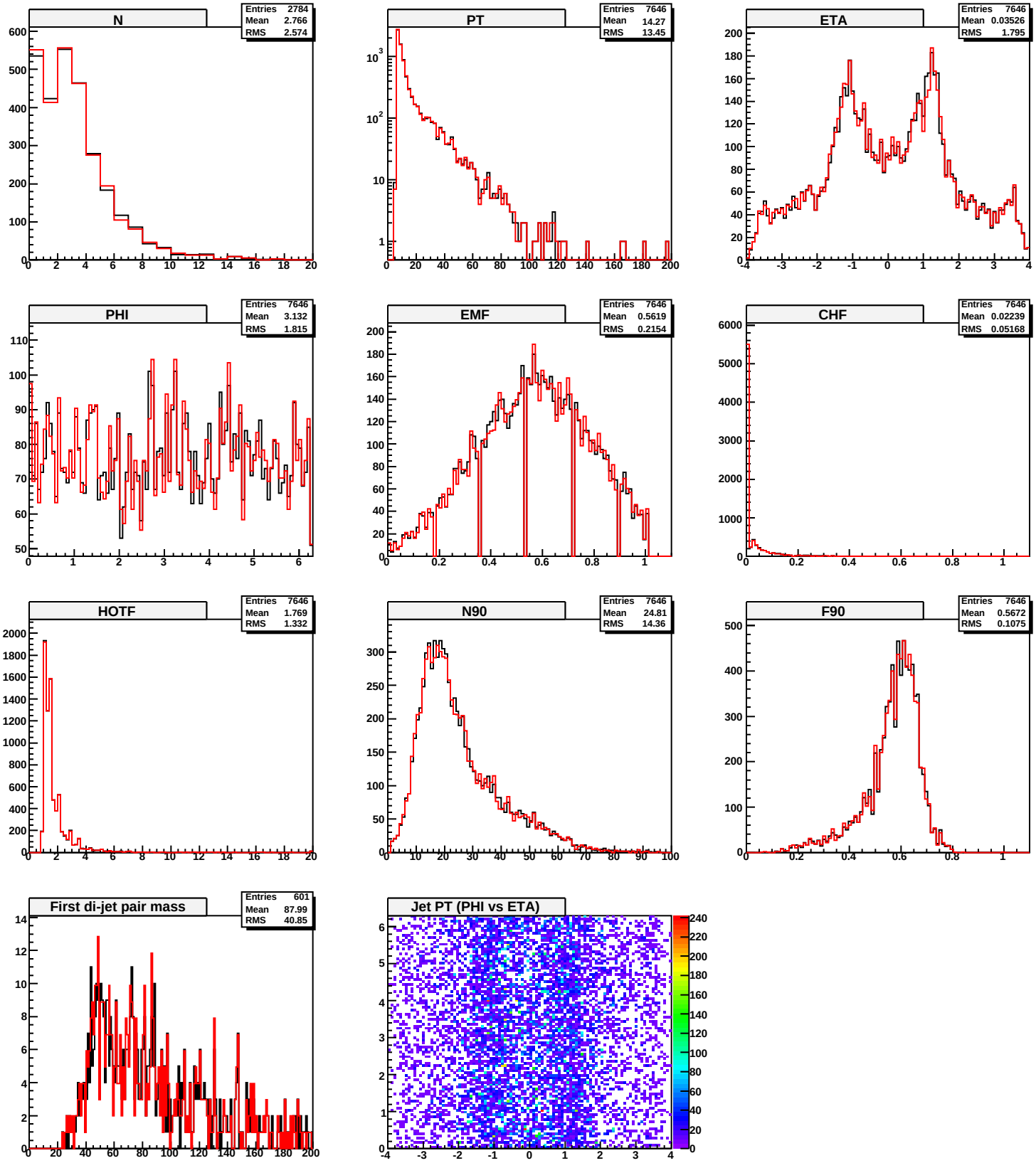

MEx
Entries 2784
Mean 0.4849
RMS 6.171
0
50
100
150
200
250
300
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 2784
Mean -0.1506
RMS 6.388
0
50
100
150
200
250
-50 -40 -30 -20 -10 0 10 20 30 40 50

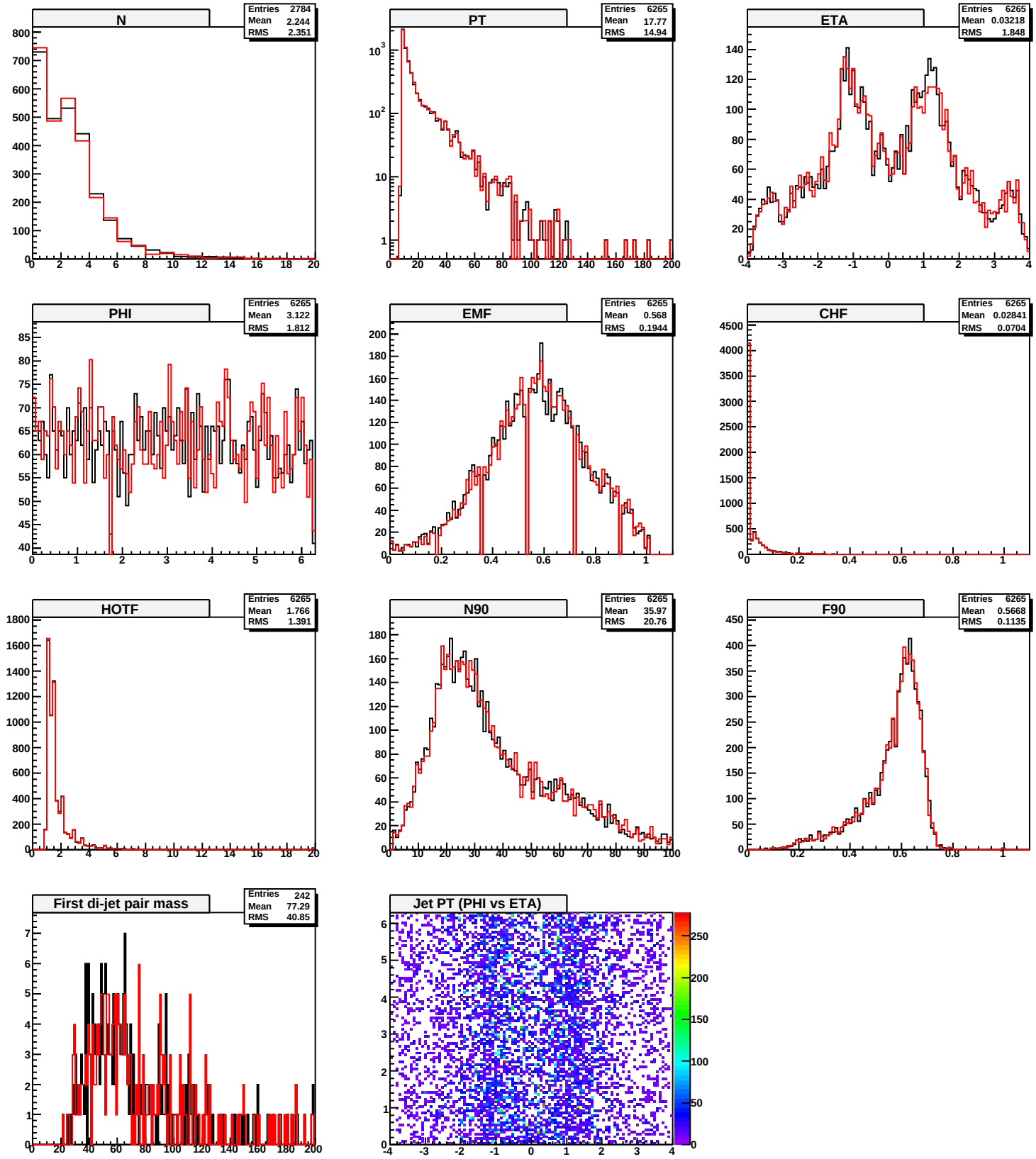
Met (No cuts)



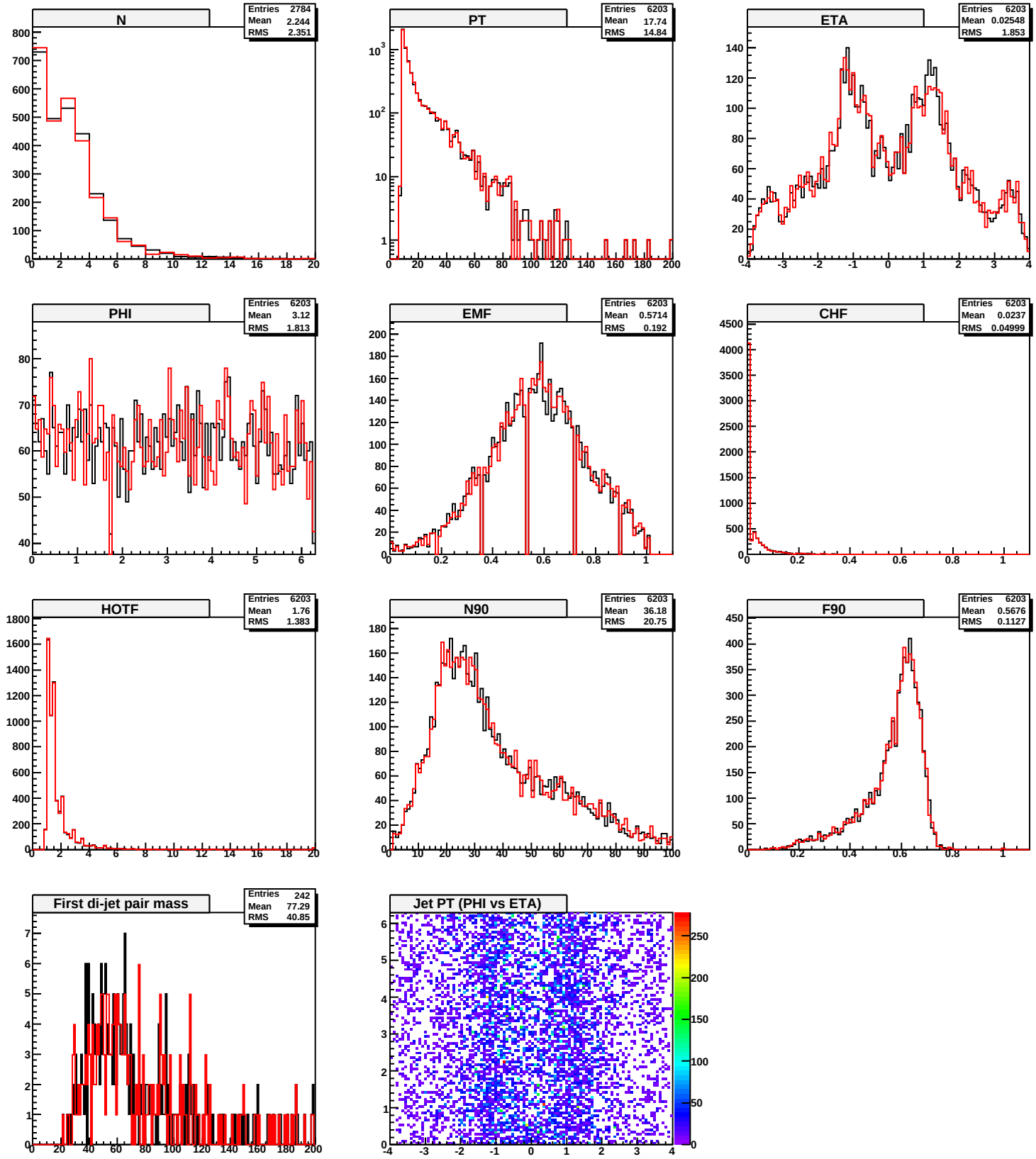
Jets (Cone R 0.7 (no cuts))



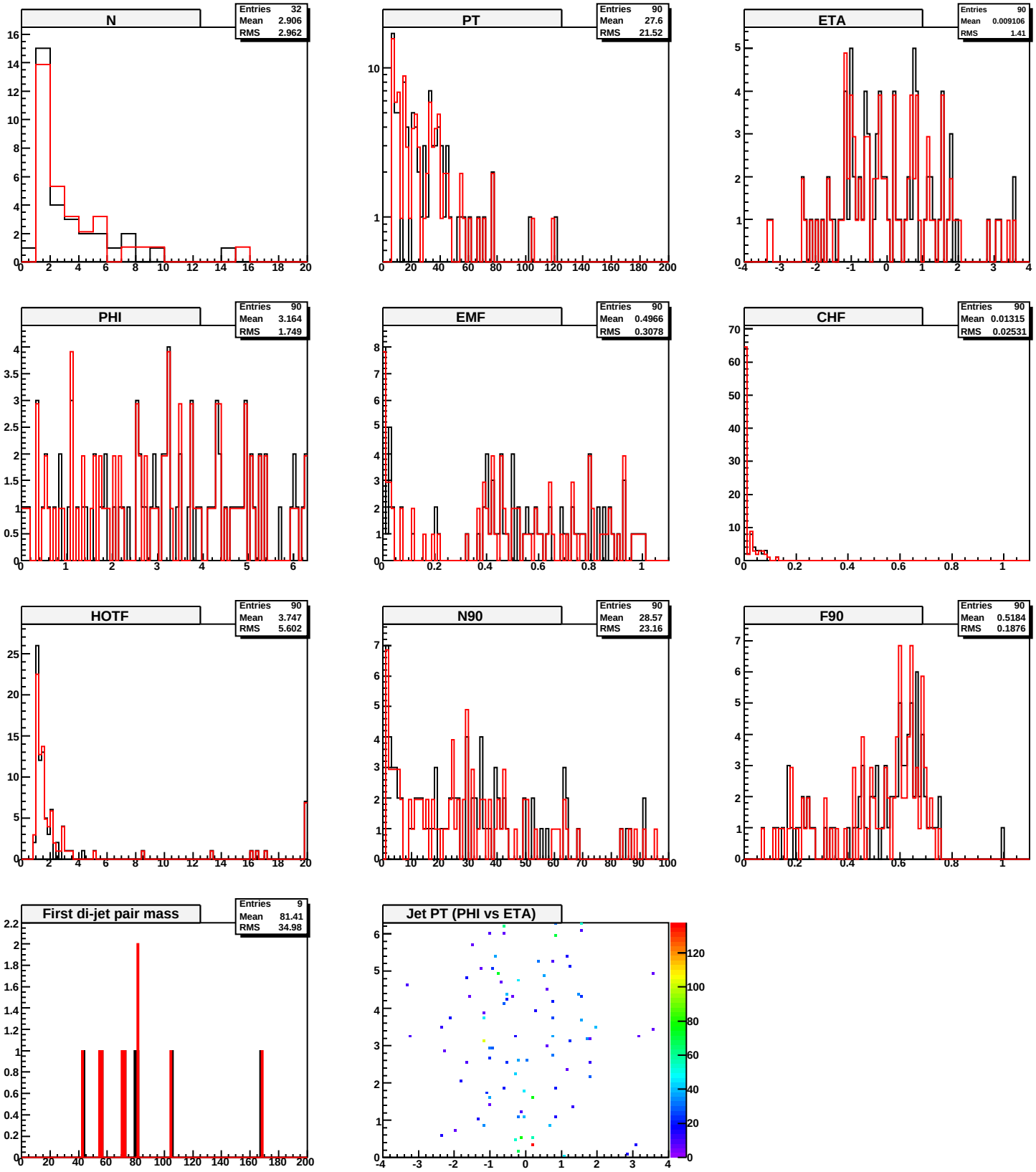
Jets (Cone R 0.7 (standard cuts))



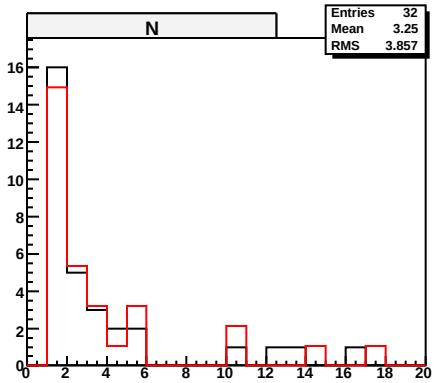
Jets (KT D 1 (no cuts))

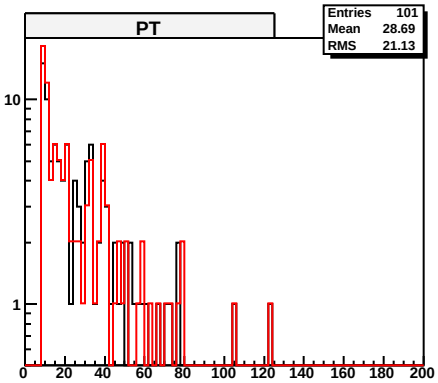


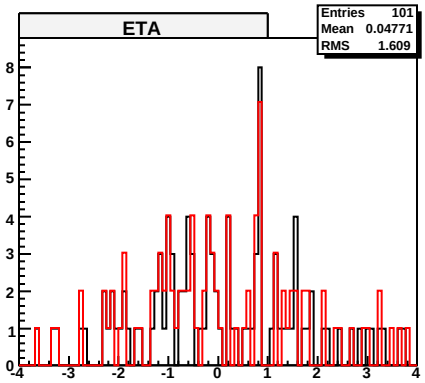
Jets (KT D 1 (standard cuts))

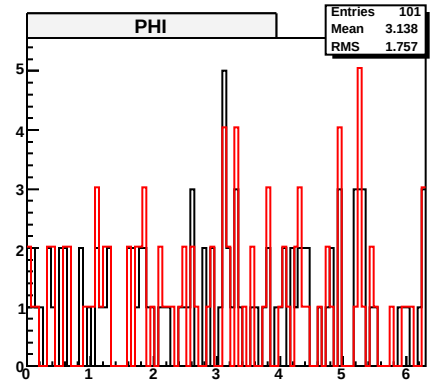


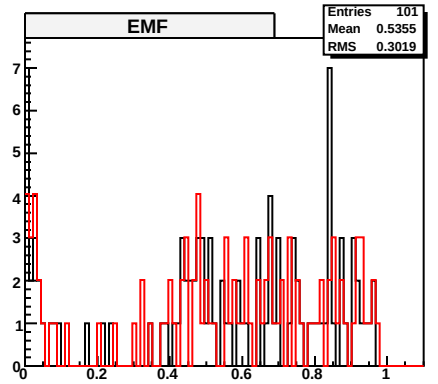
Jets (Cone R 0.7 (standard cuts, MET>30))

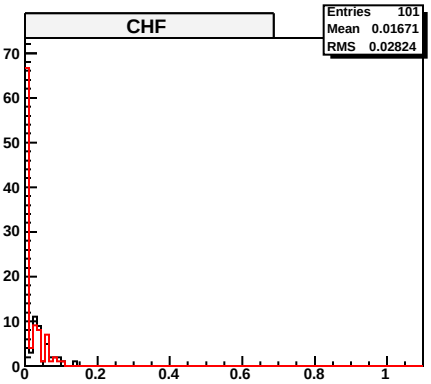


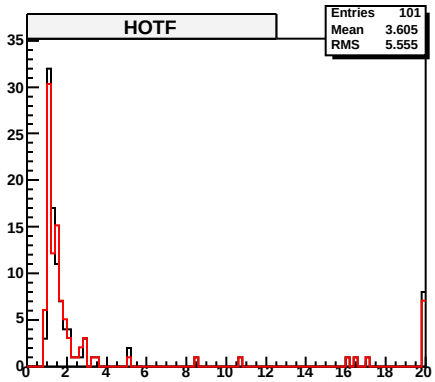


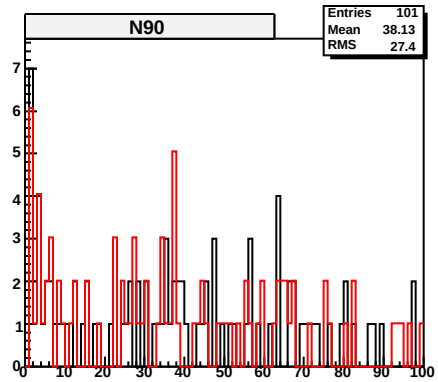


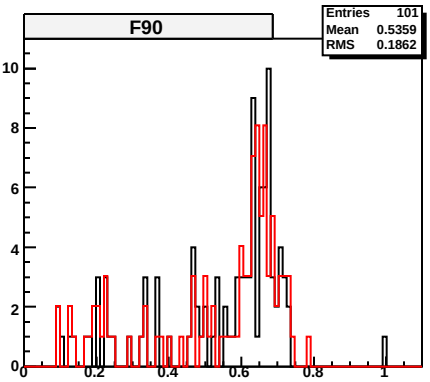


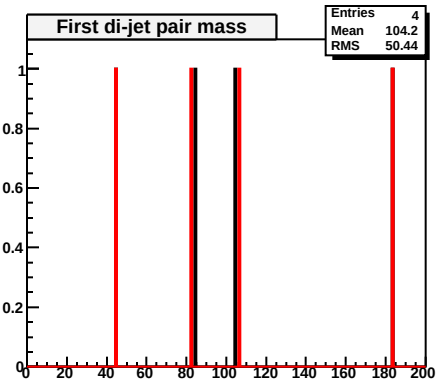


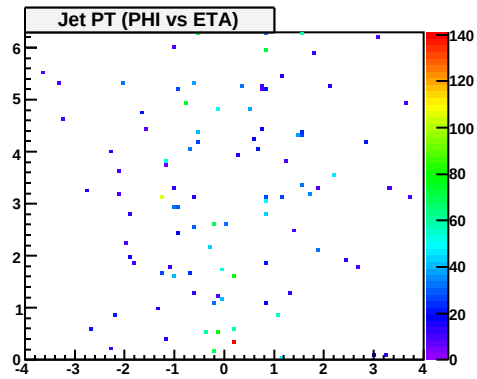




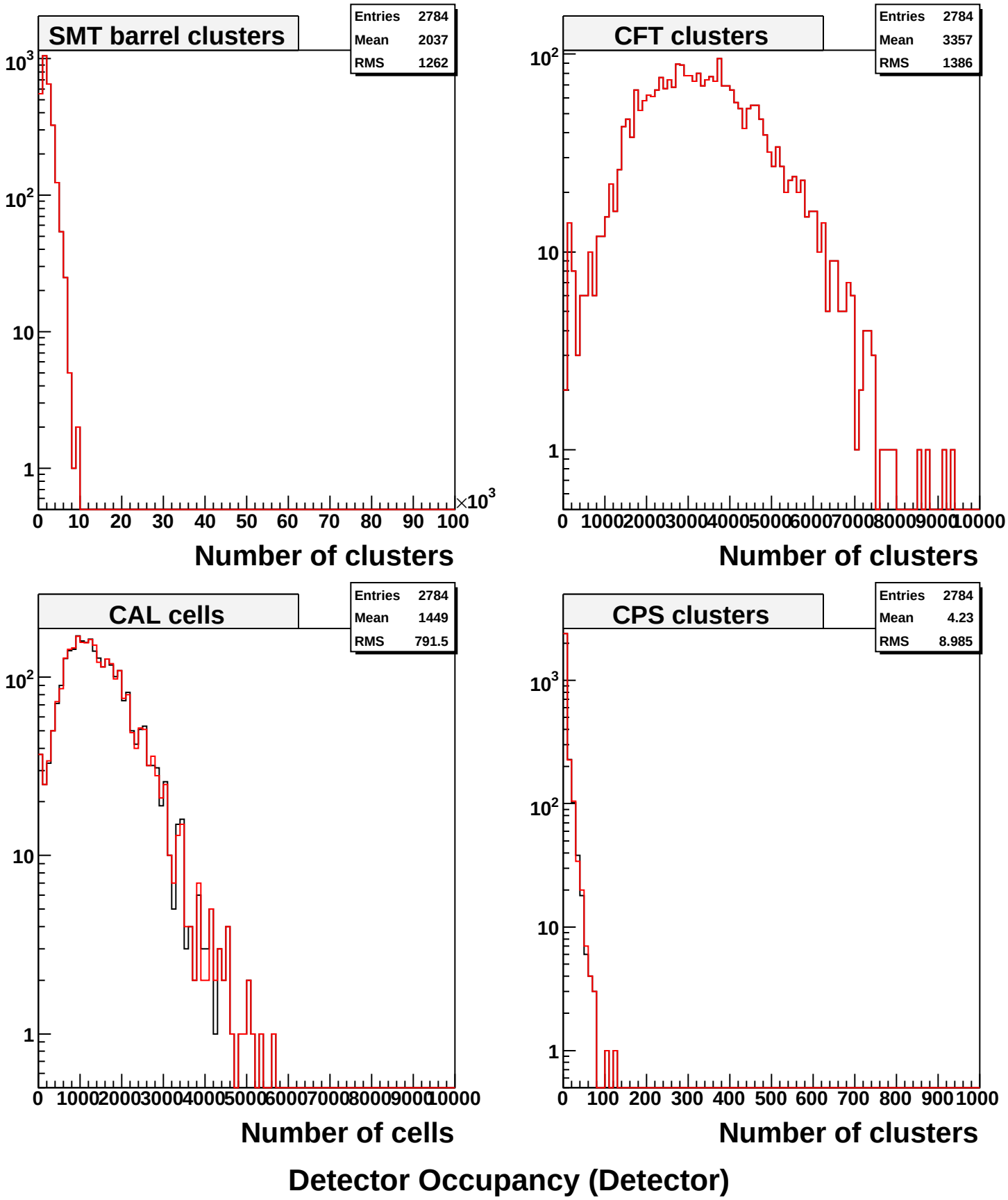




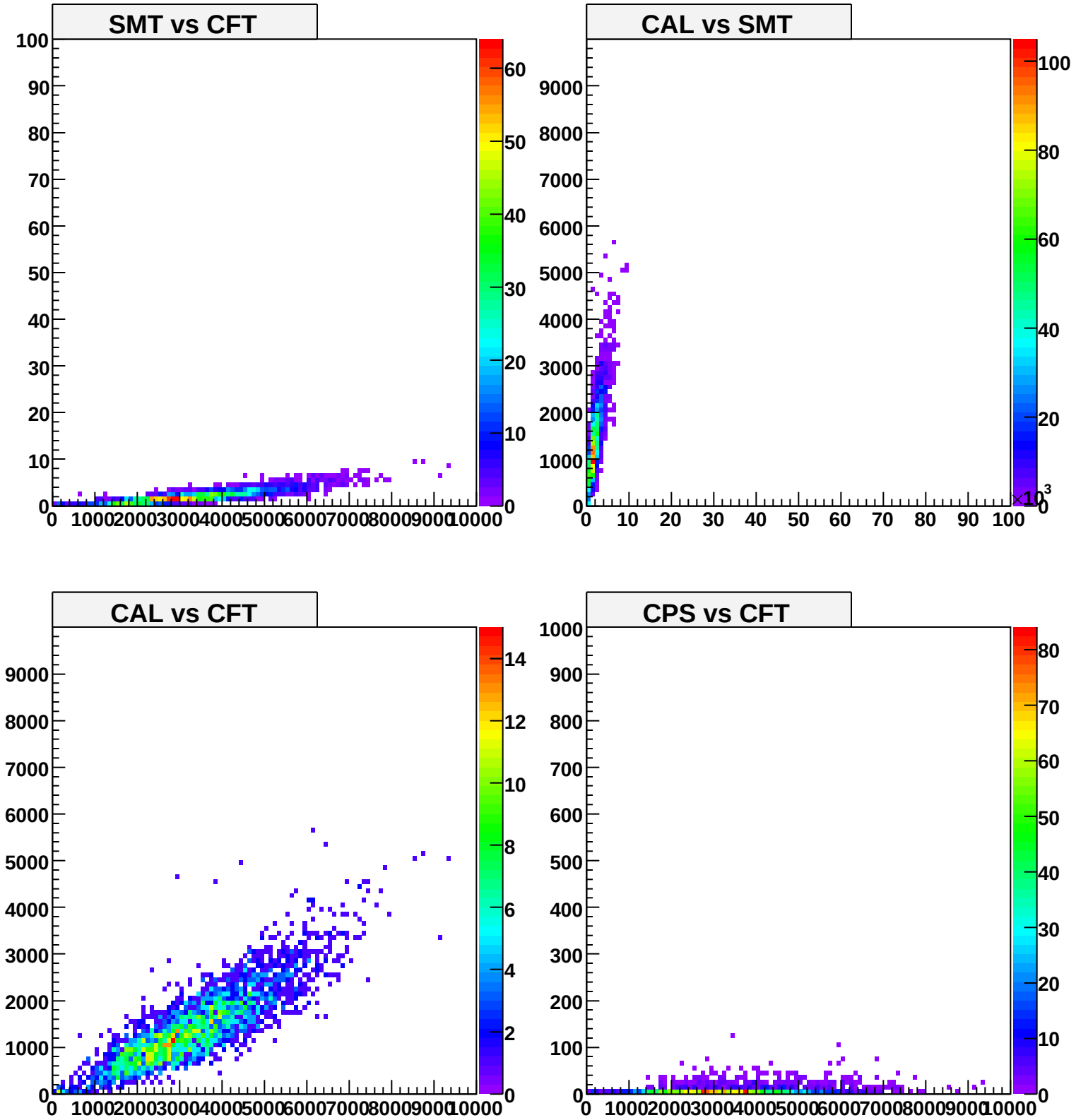


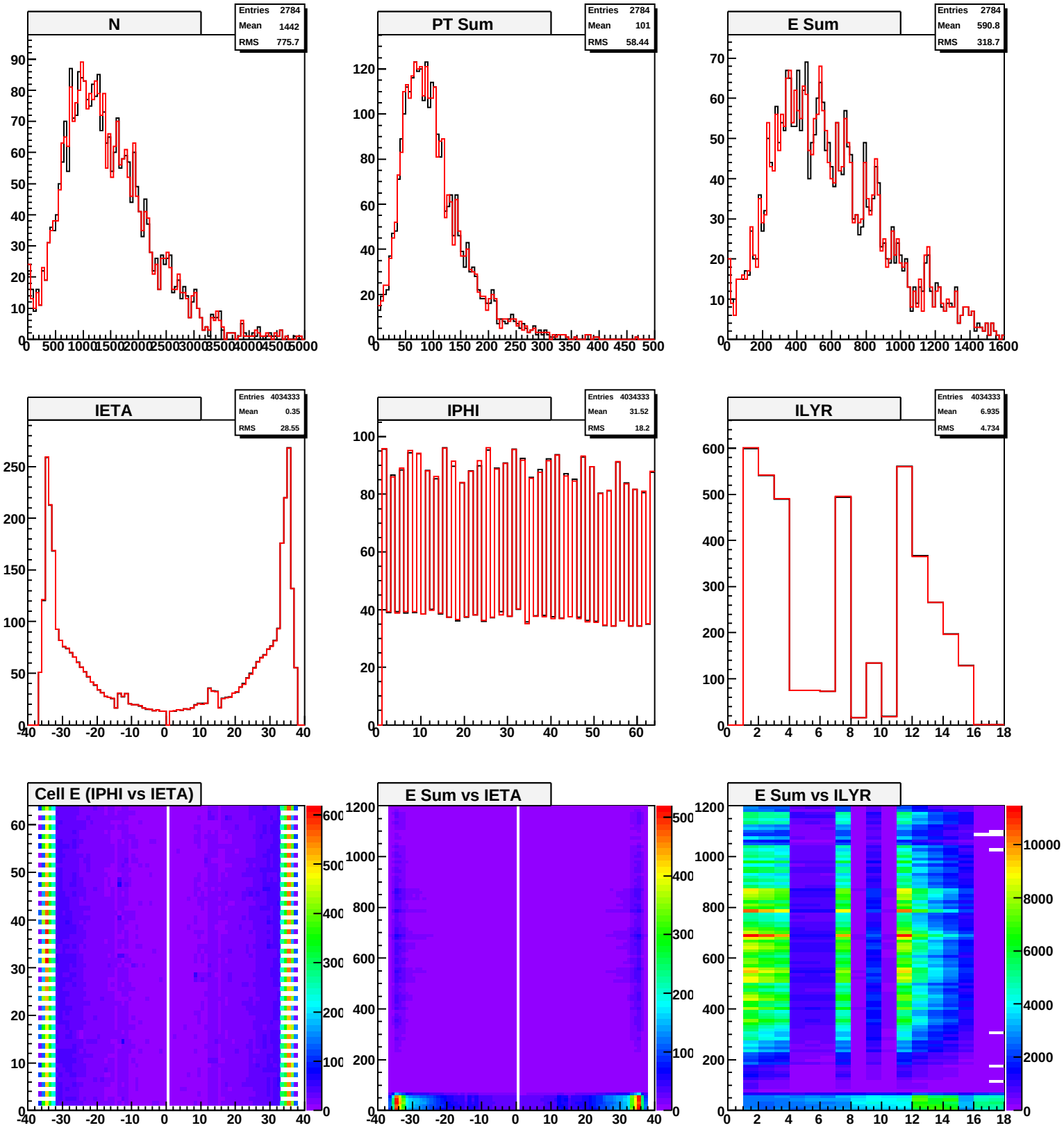


Jets (KT D 1 (standard cuts, MET>30))

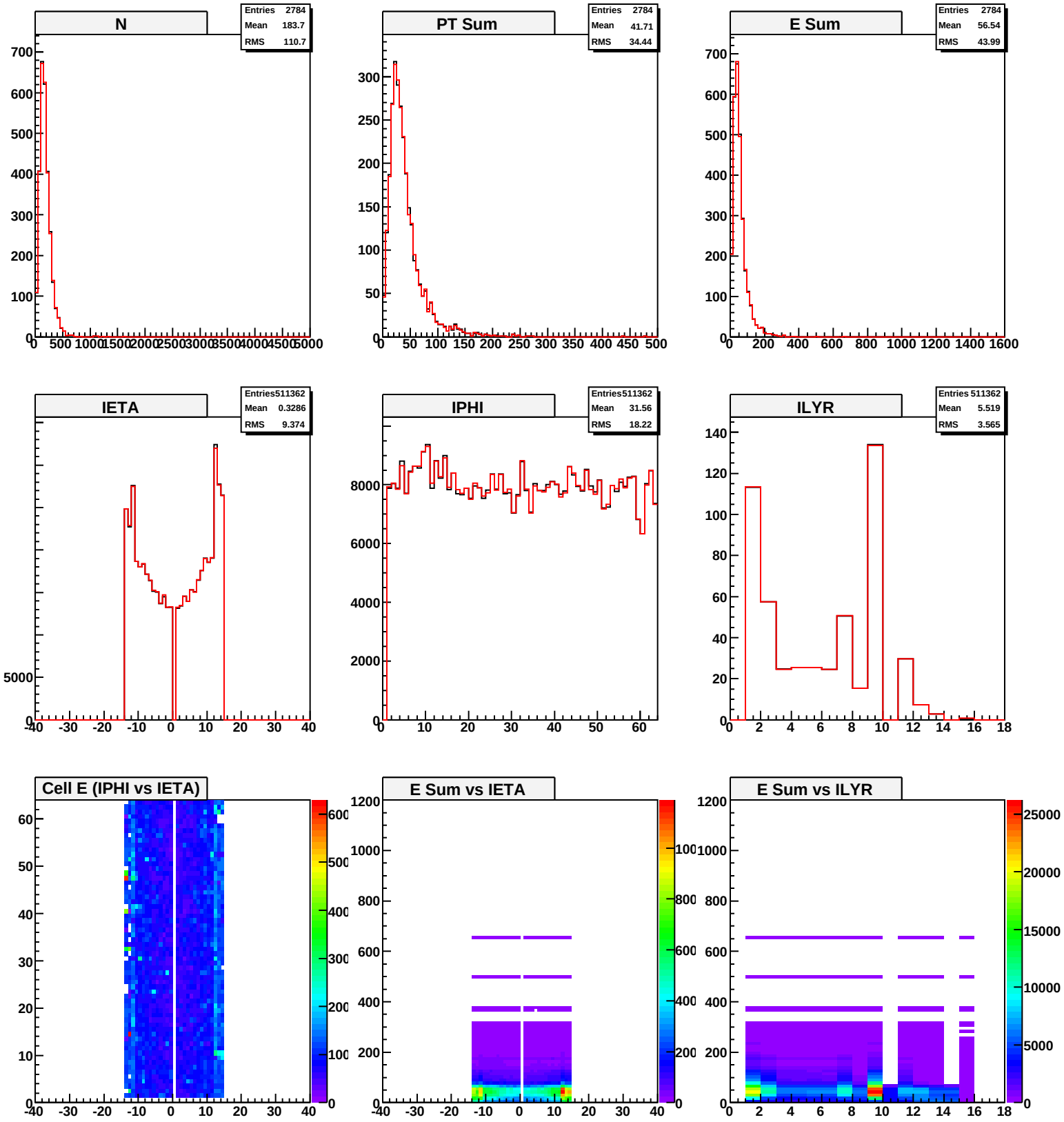


Detector Occupancy (Detector)

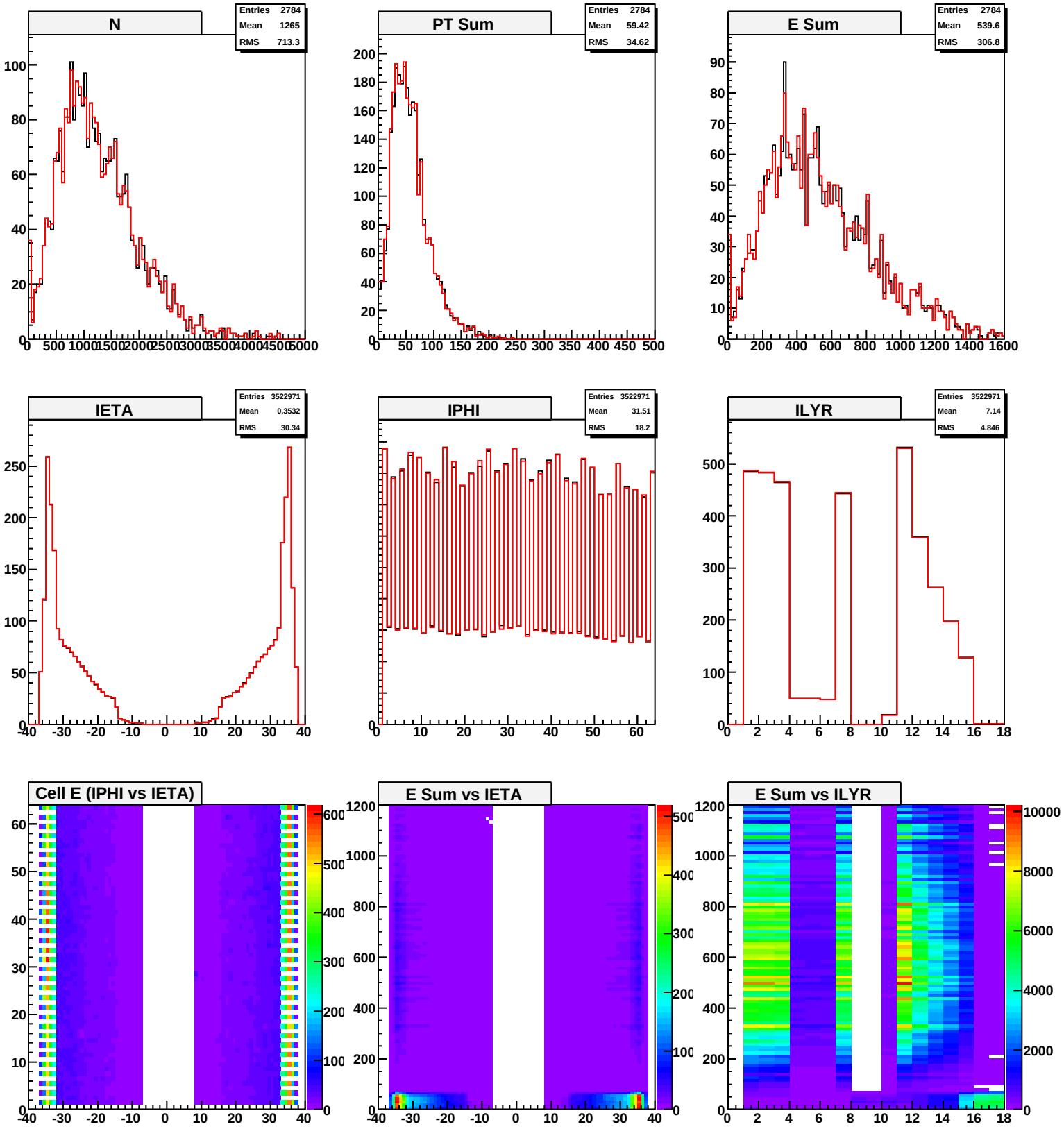

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



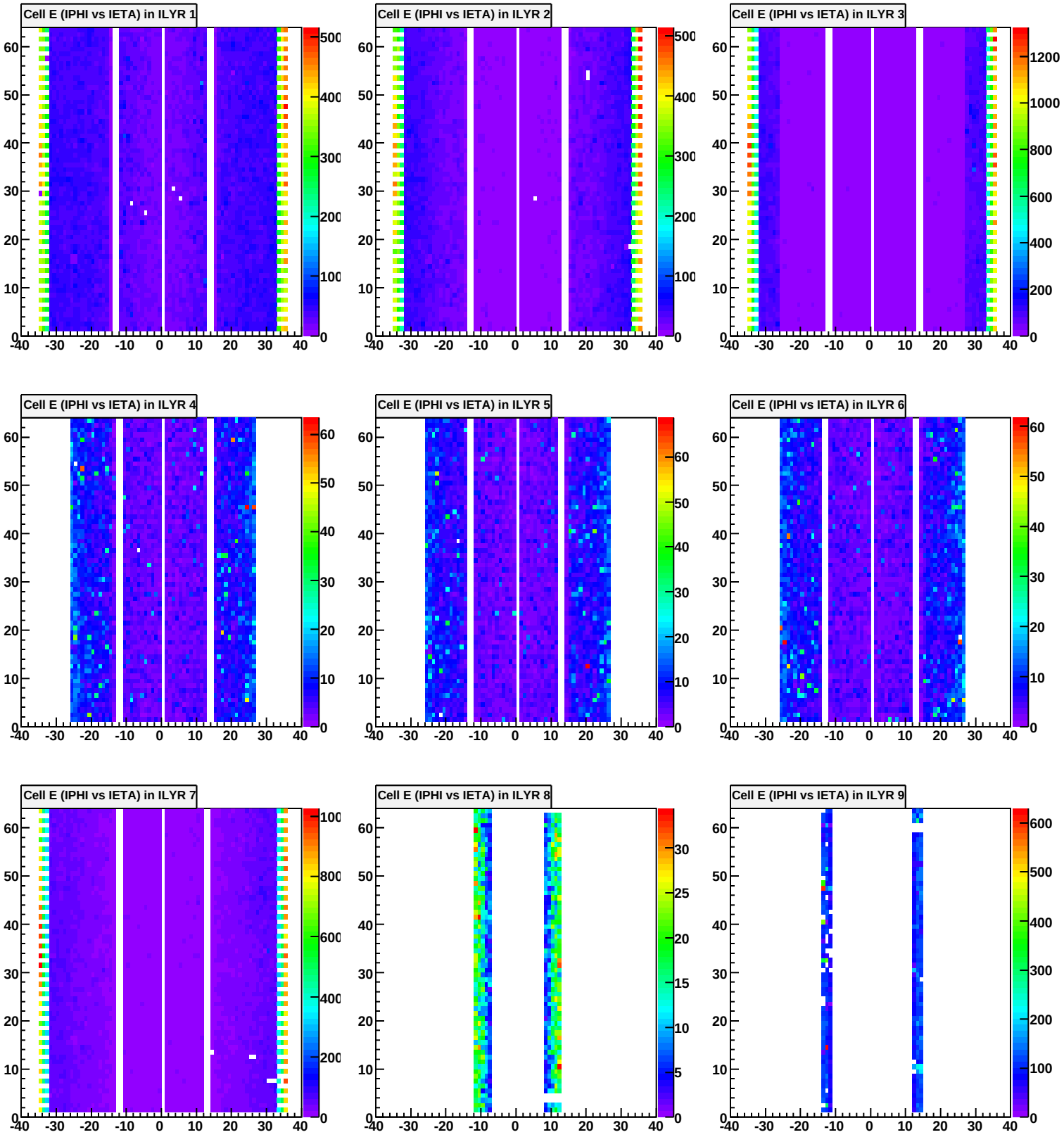
Calorimeter (All cells)



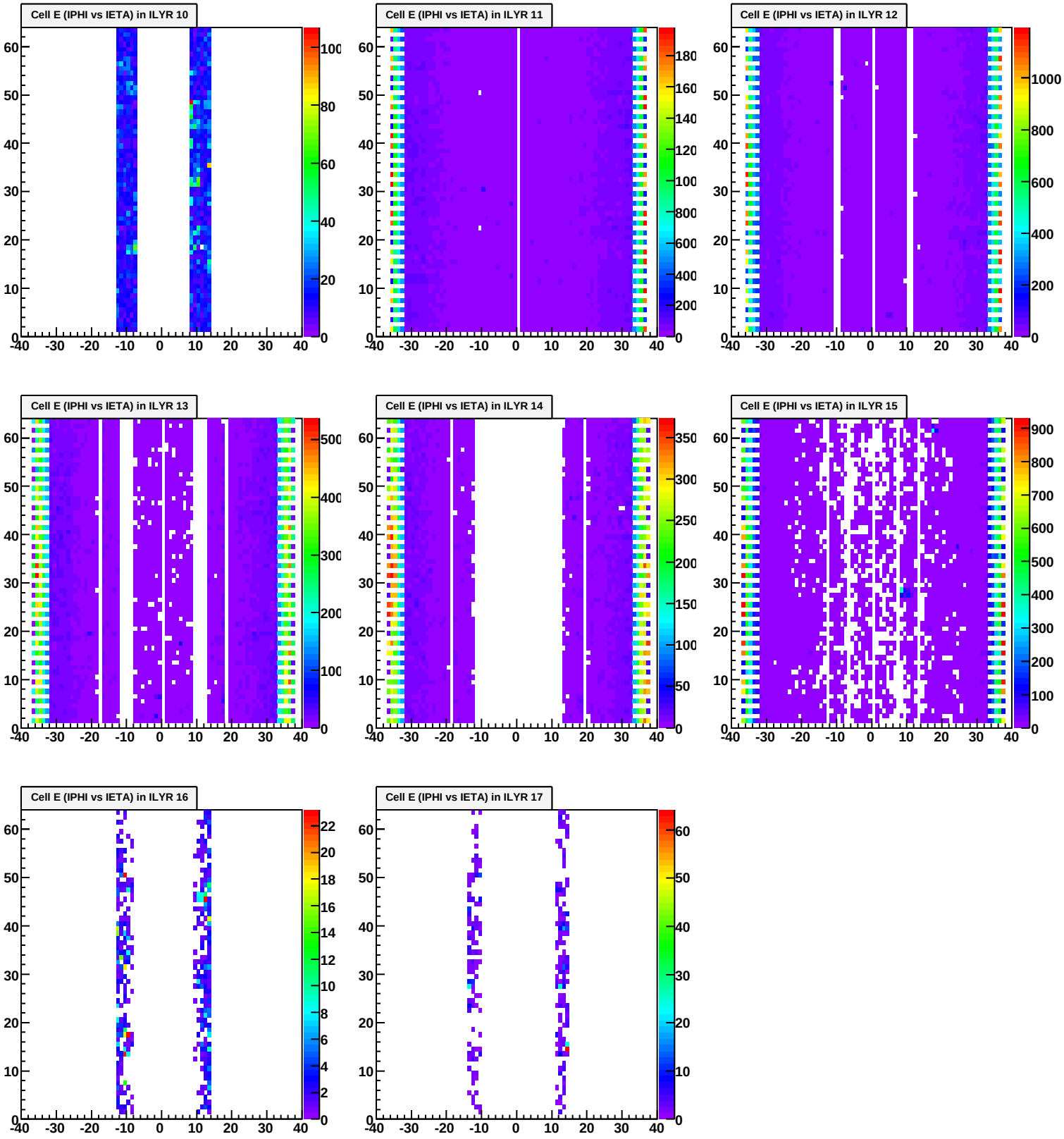
Calorimeter (All CC cells)



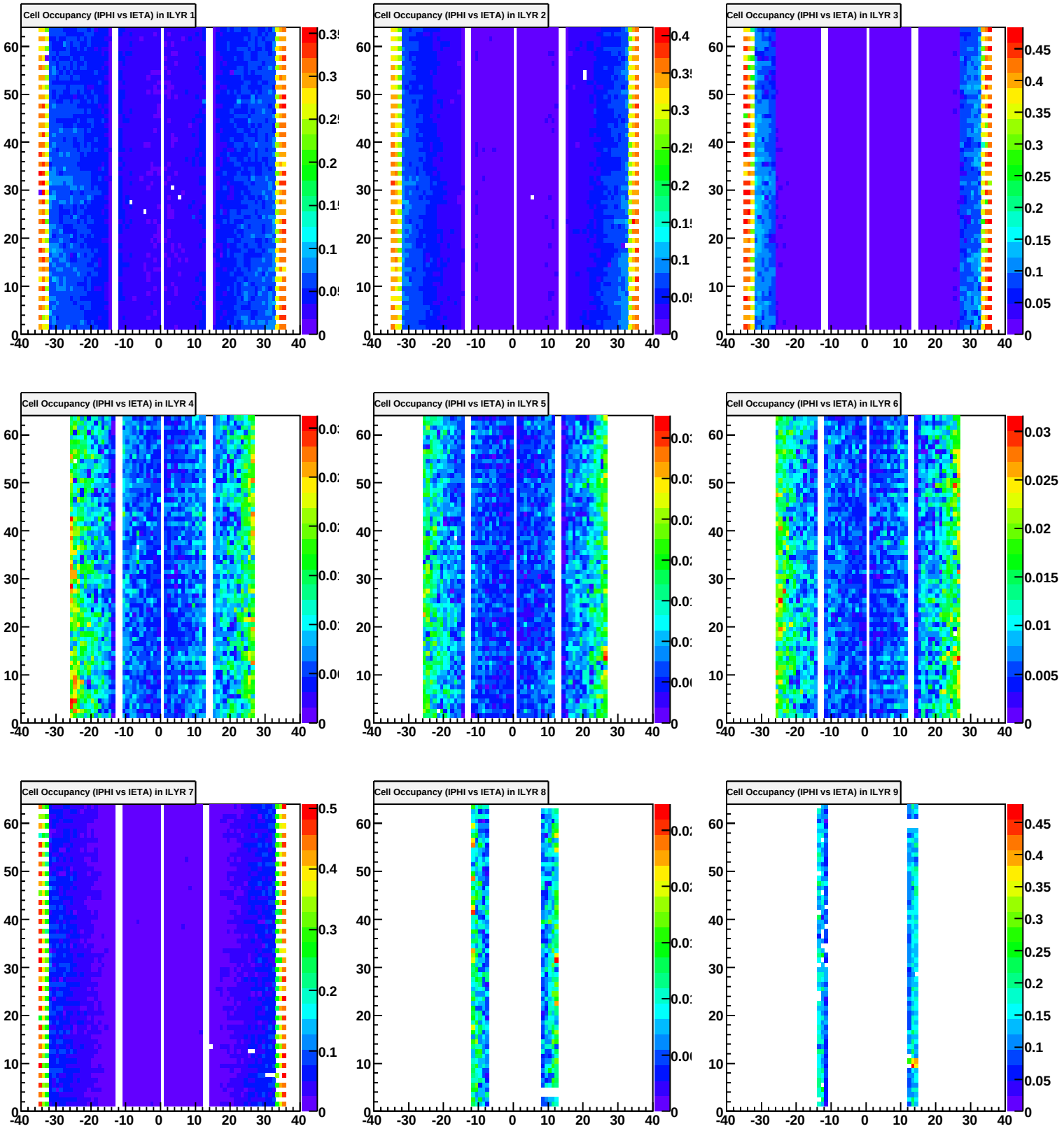
Calorimeter (All EC cells)



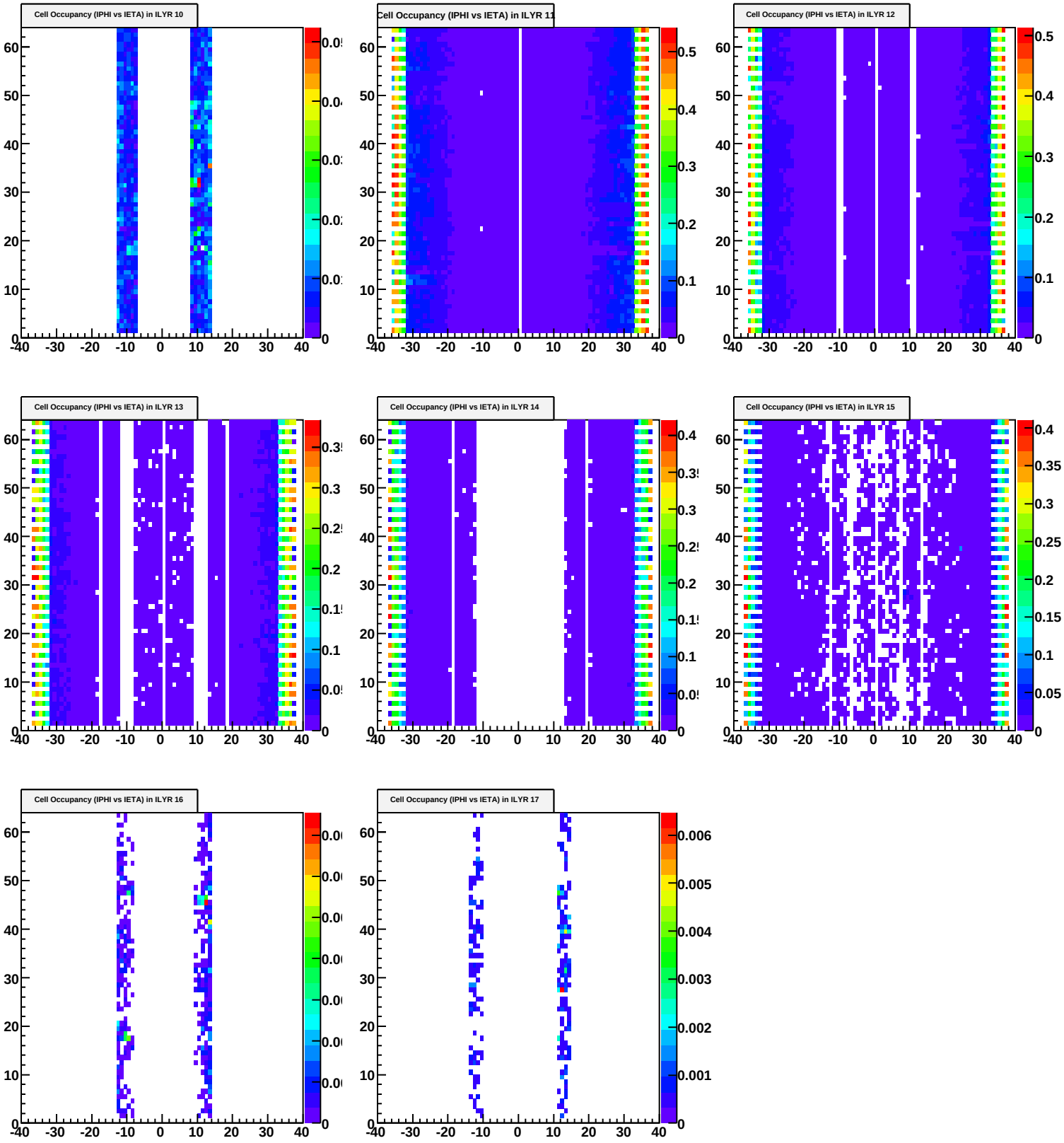
Calorimeter Cell Energy ILYR 1-9 (All cells)



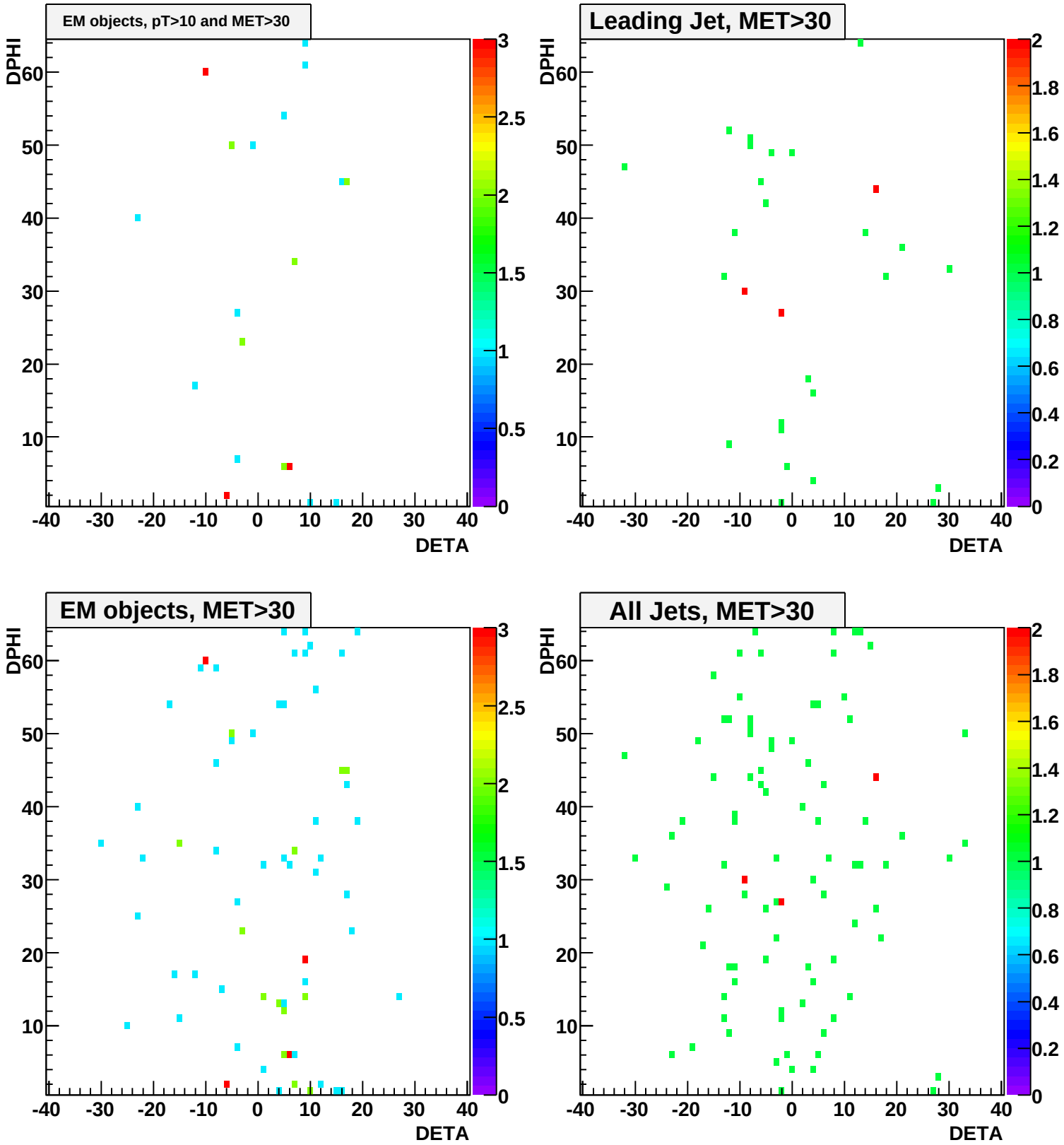
Calorimeter Cell Energy ILYR 10-17 (All cells)



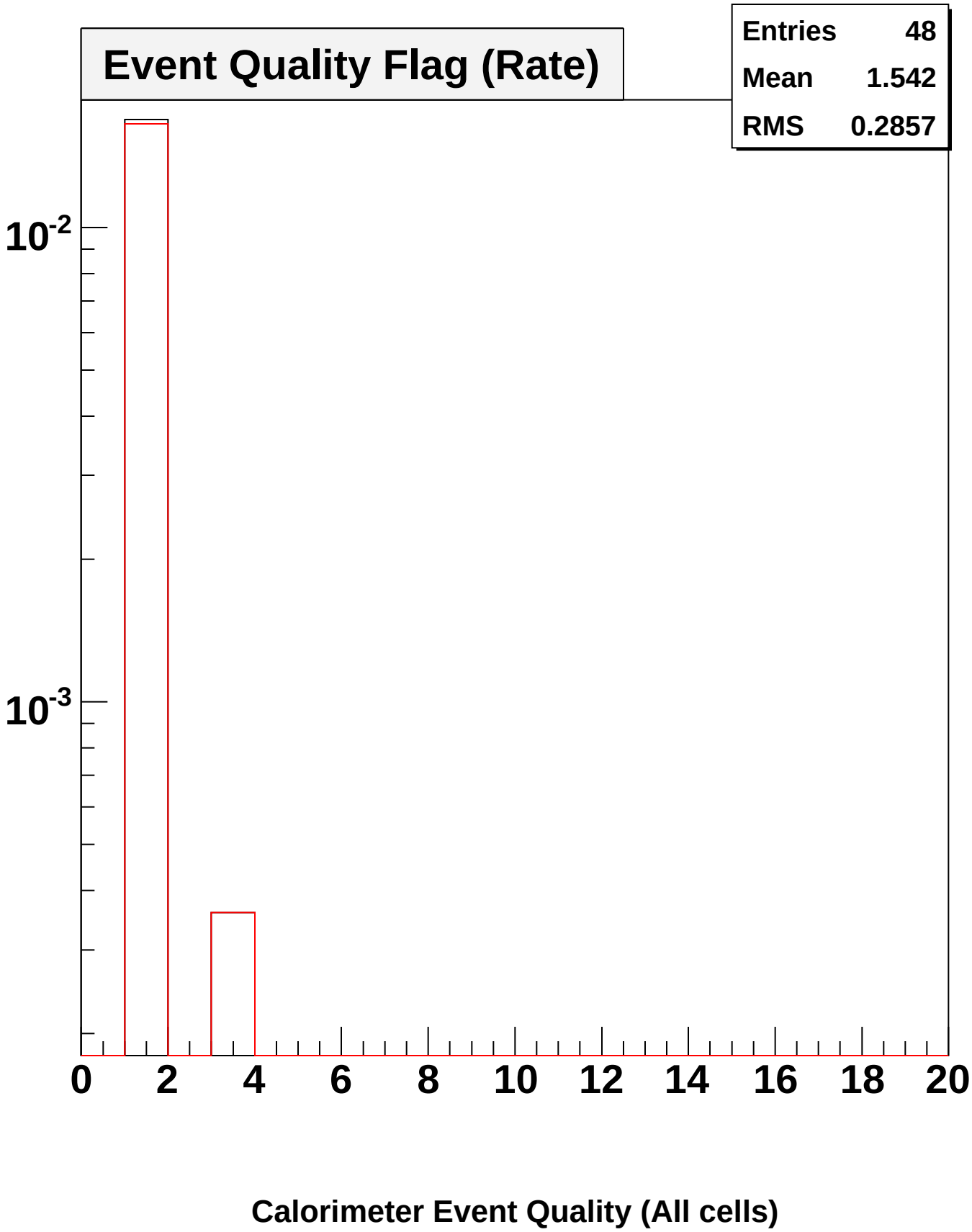
Calorimeter Occupancy ILYR 1-9 (All cells)

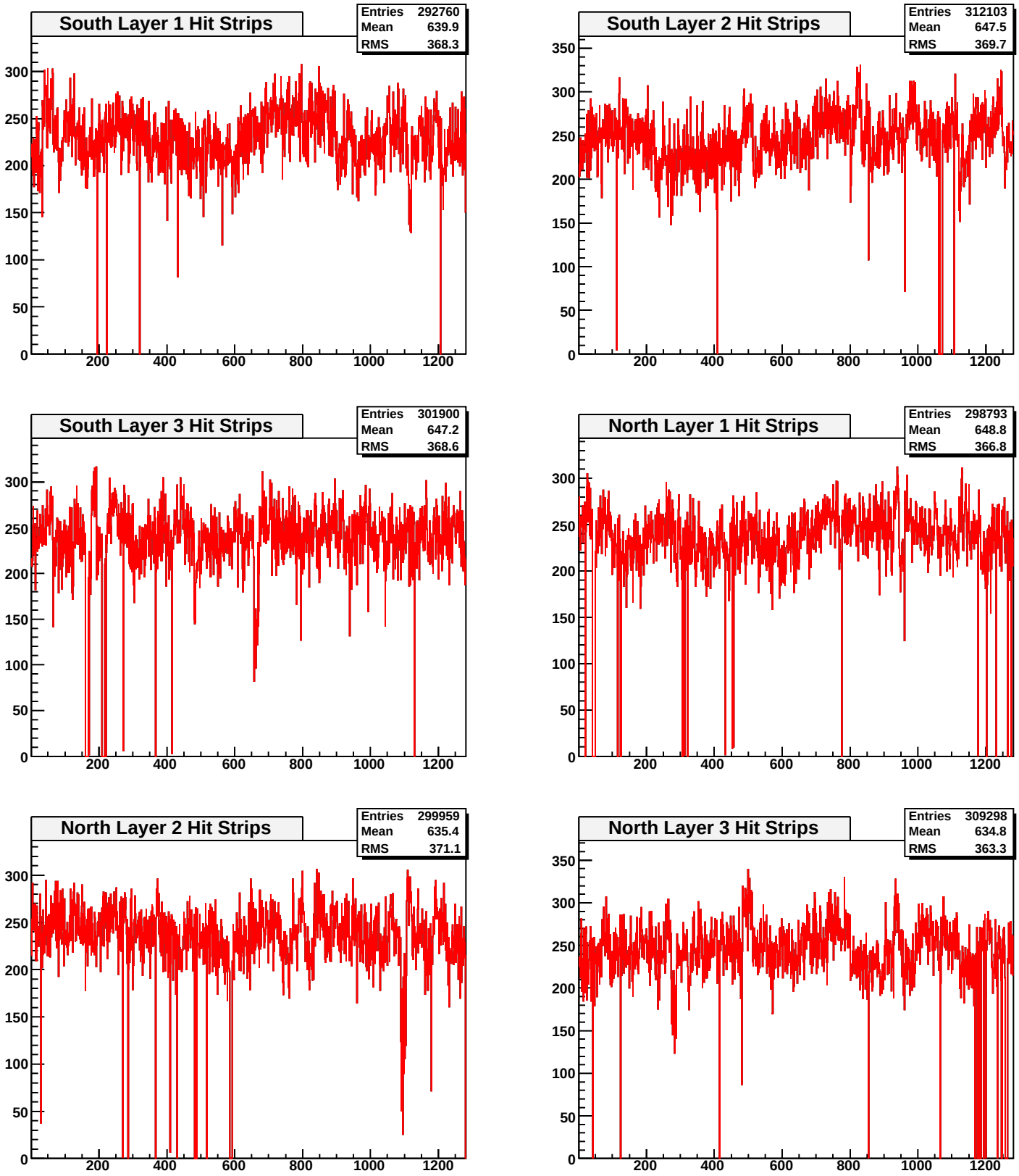


Calorimeter Occupancy ILYR 10-17 (All cells)

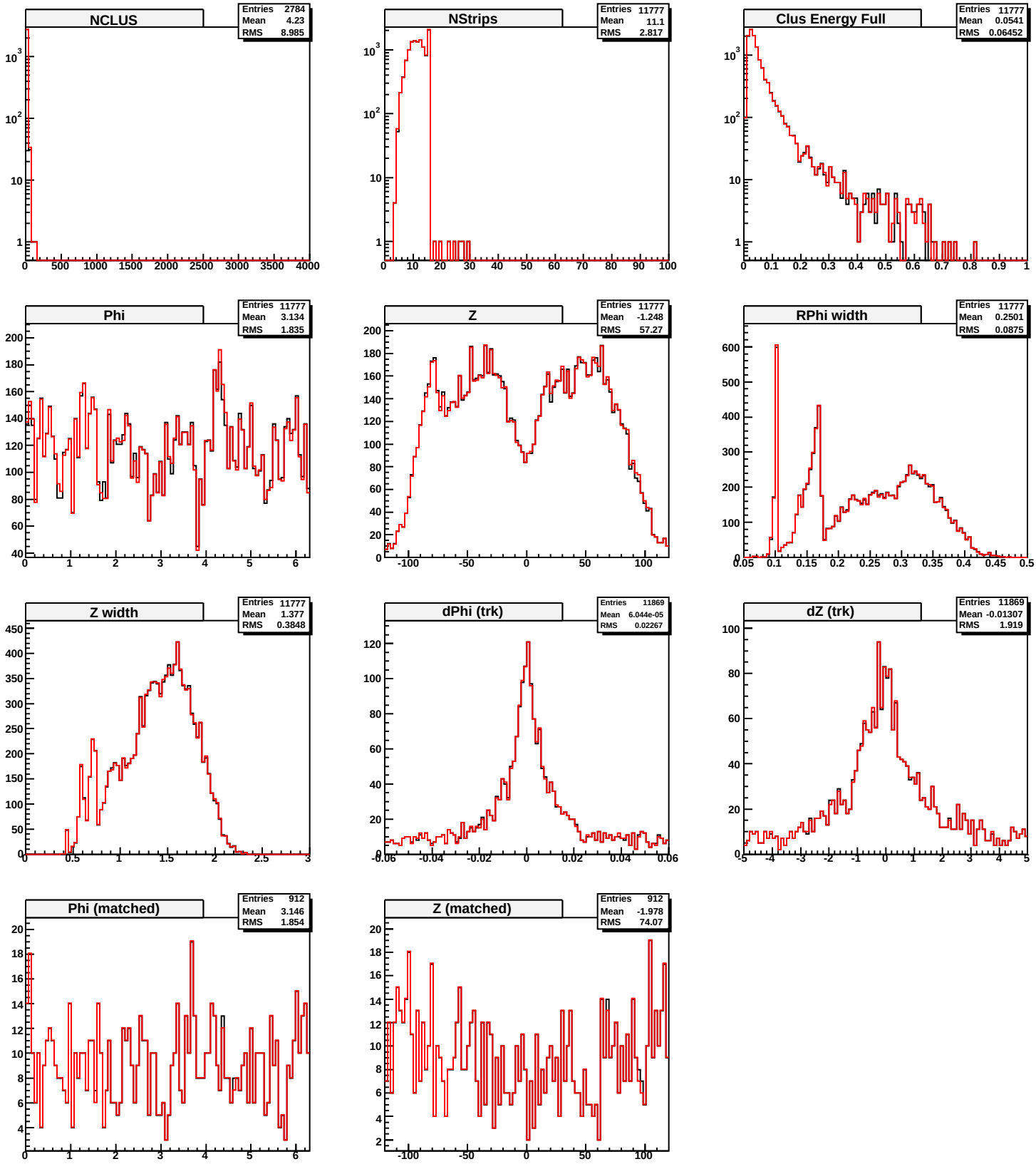


Cal Objects with MET>30 (All cells)

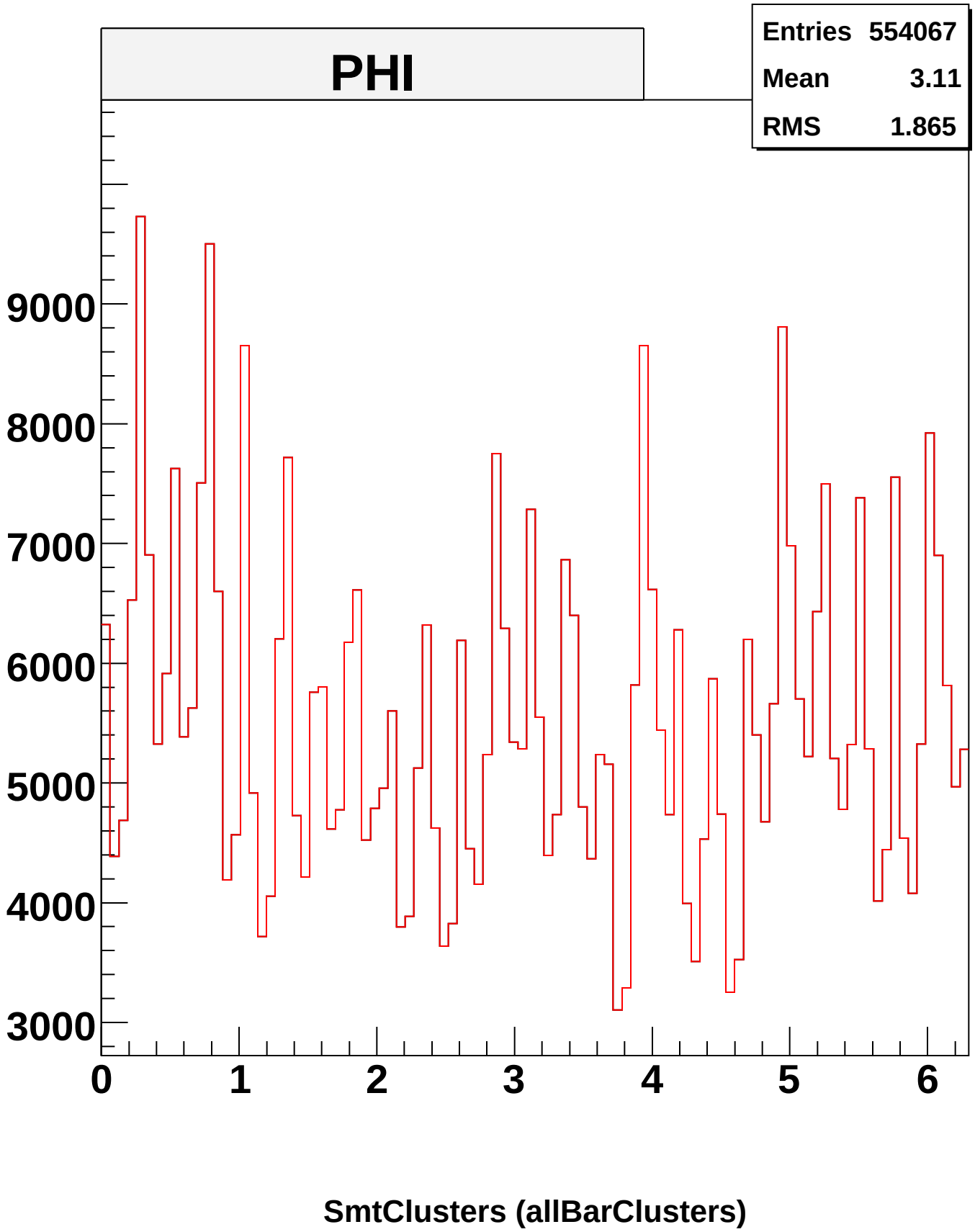

Event Quality Flag (Rate)
Entries 48
Mean 1.542
RMS 0.2857
10-2
10-3
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

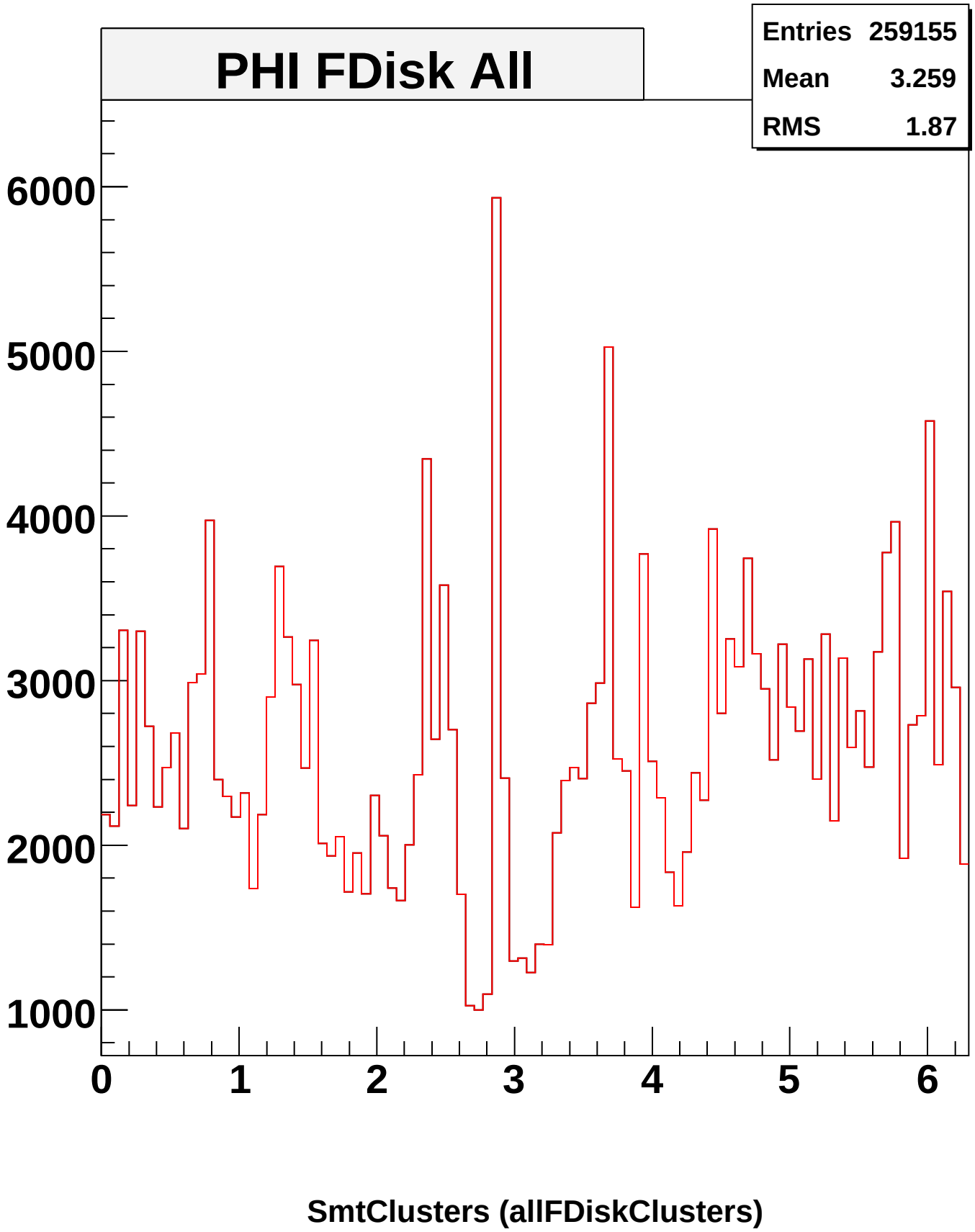


CPS Hit Strips (All Clusters)



CPS Clusters (All Clusters)


PHI
Entries 554067
Mean 3.11
RMS 1.865
9000
8000
7000
6000
5000
4000
3000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 259155
Mean 3.259
RMS 1.87
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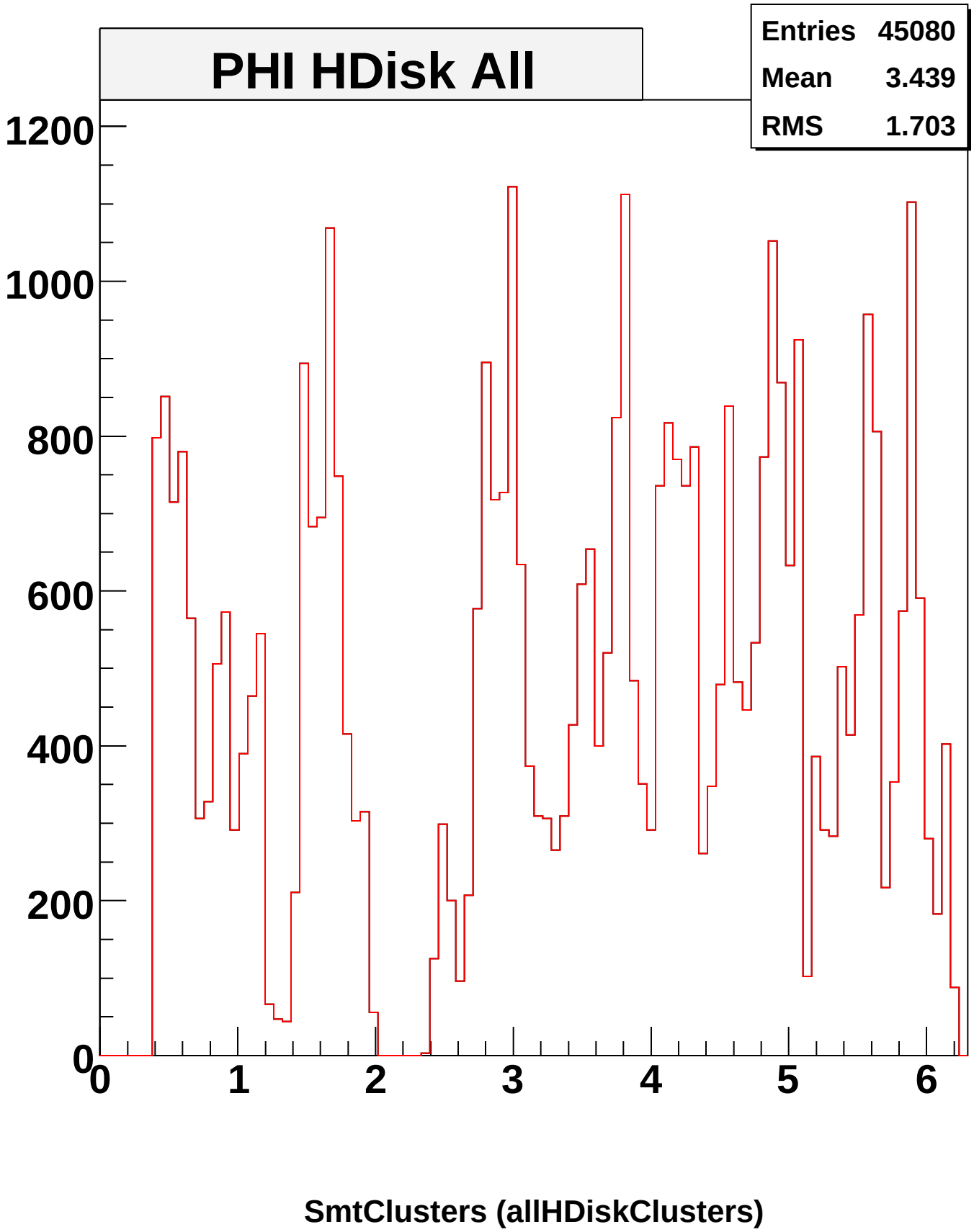
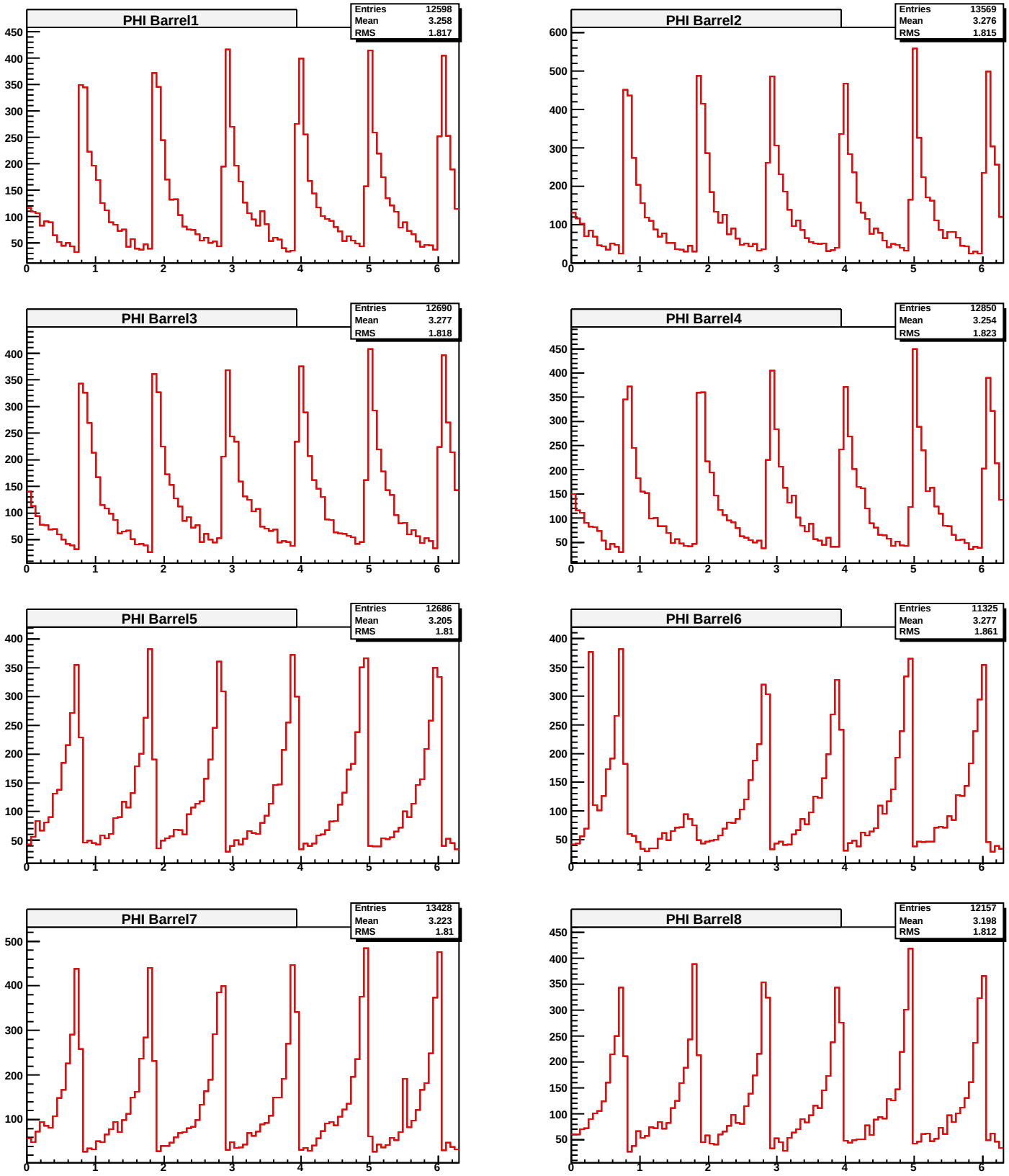
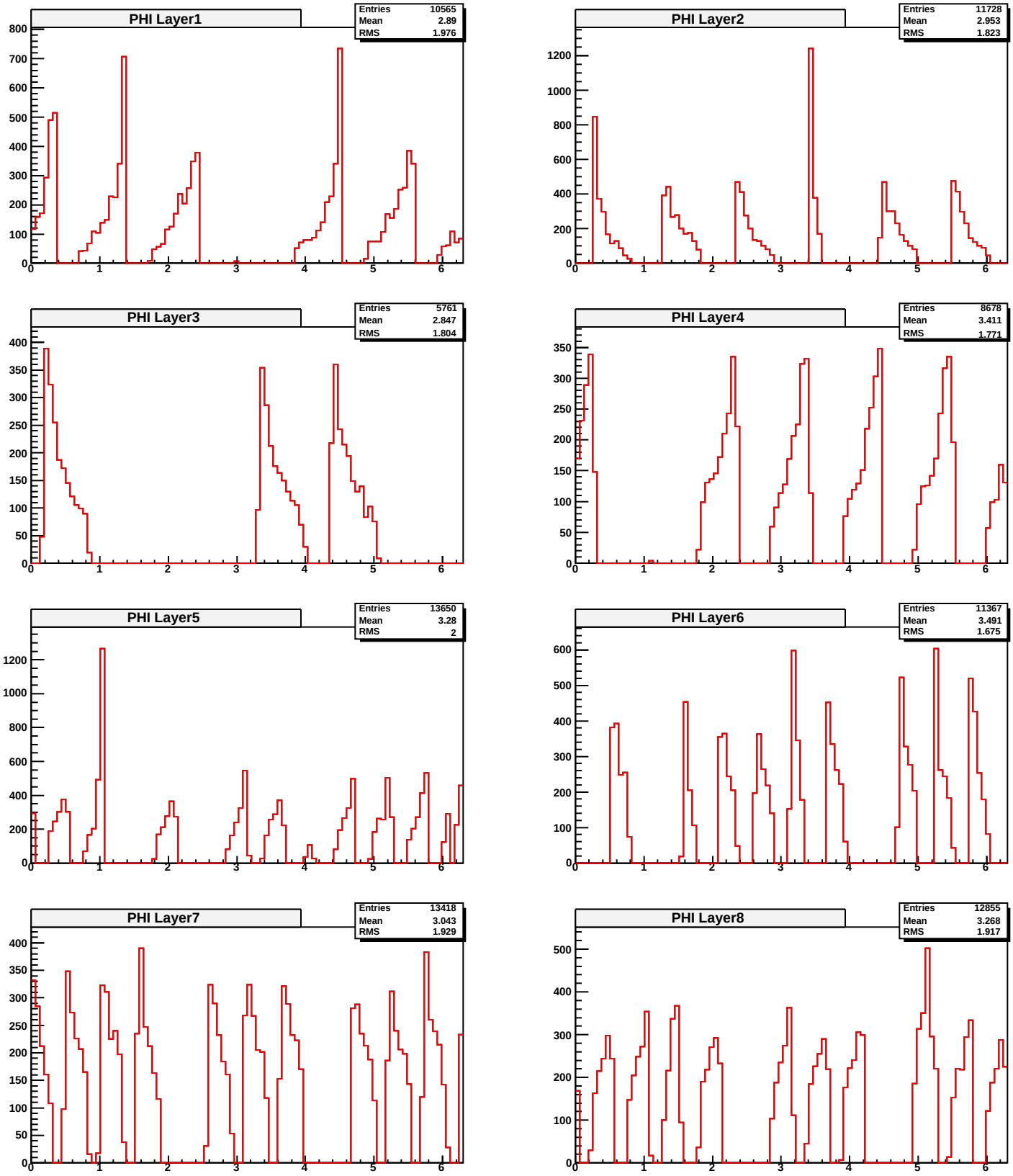
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

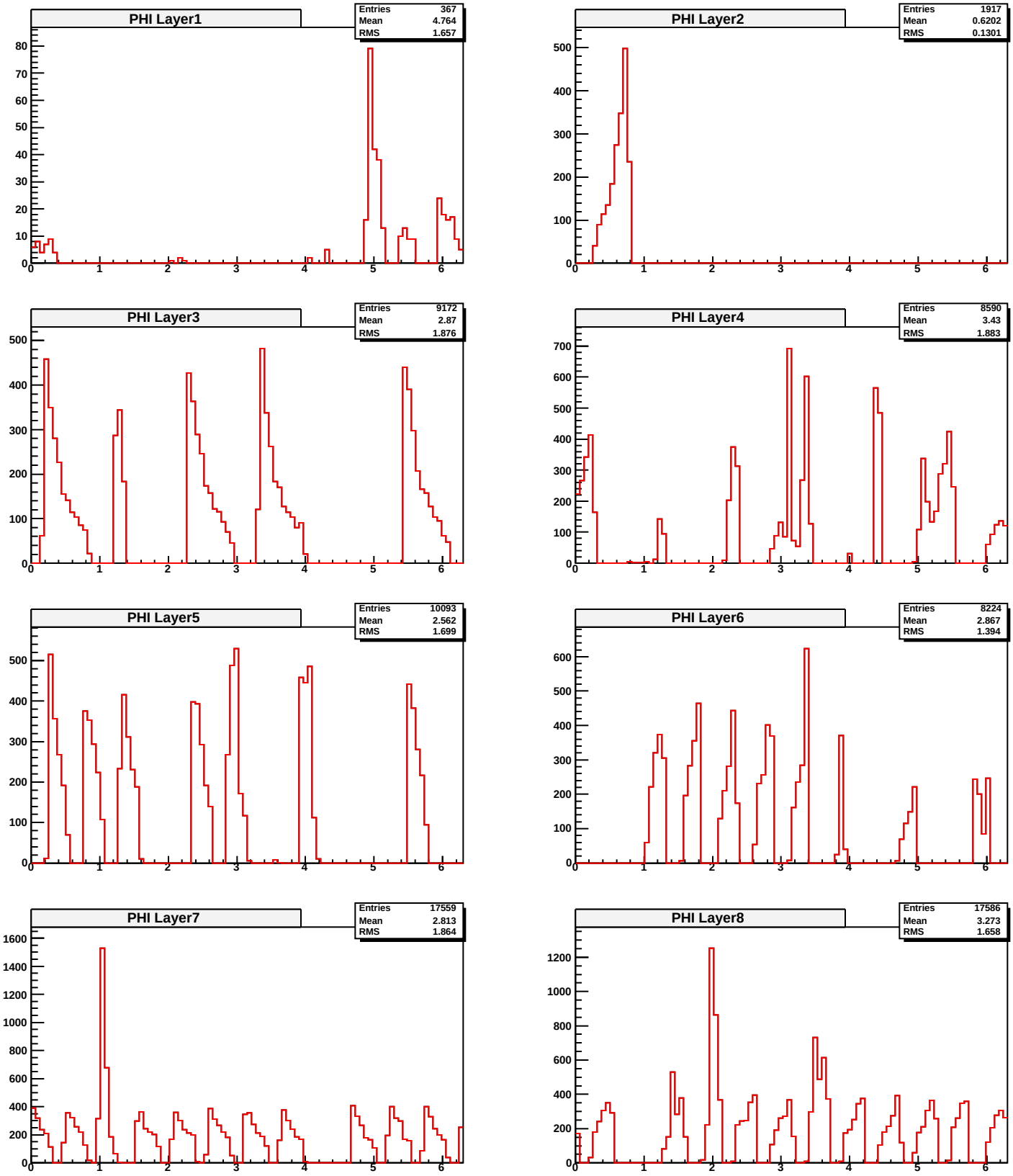

PHI HDisk All
Entries 45080
Mean 3.439
RMS 1.703
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



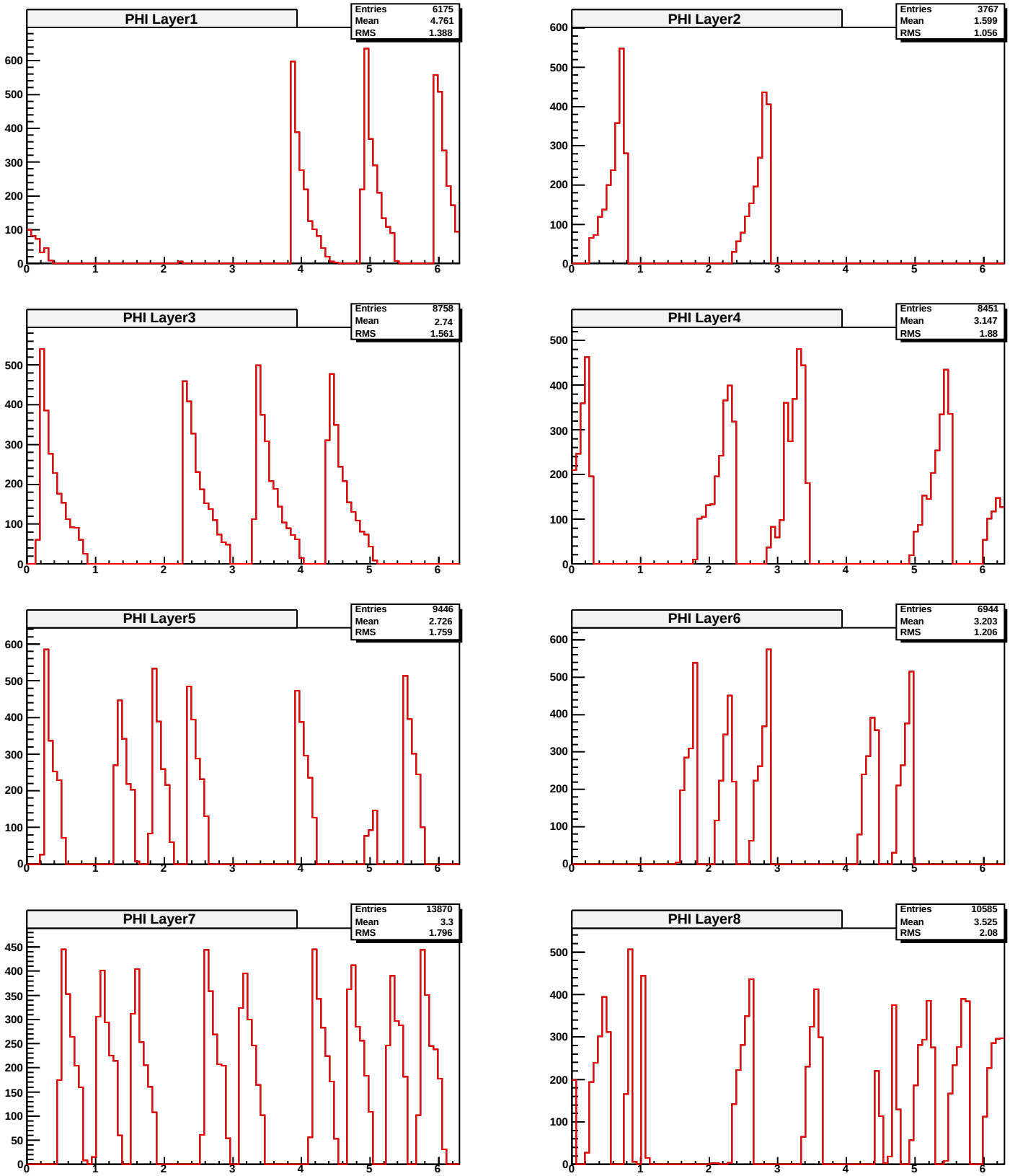
SmtClusters (ClustrLayer0)



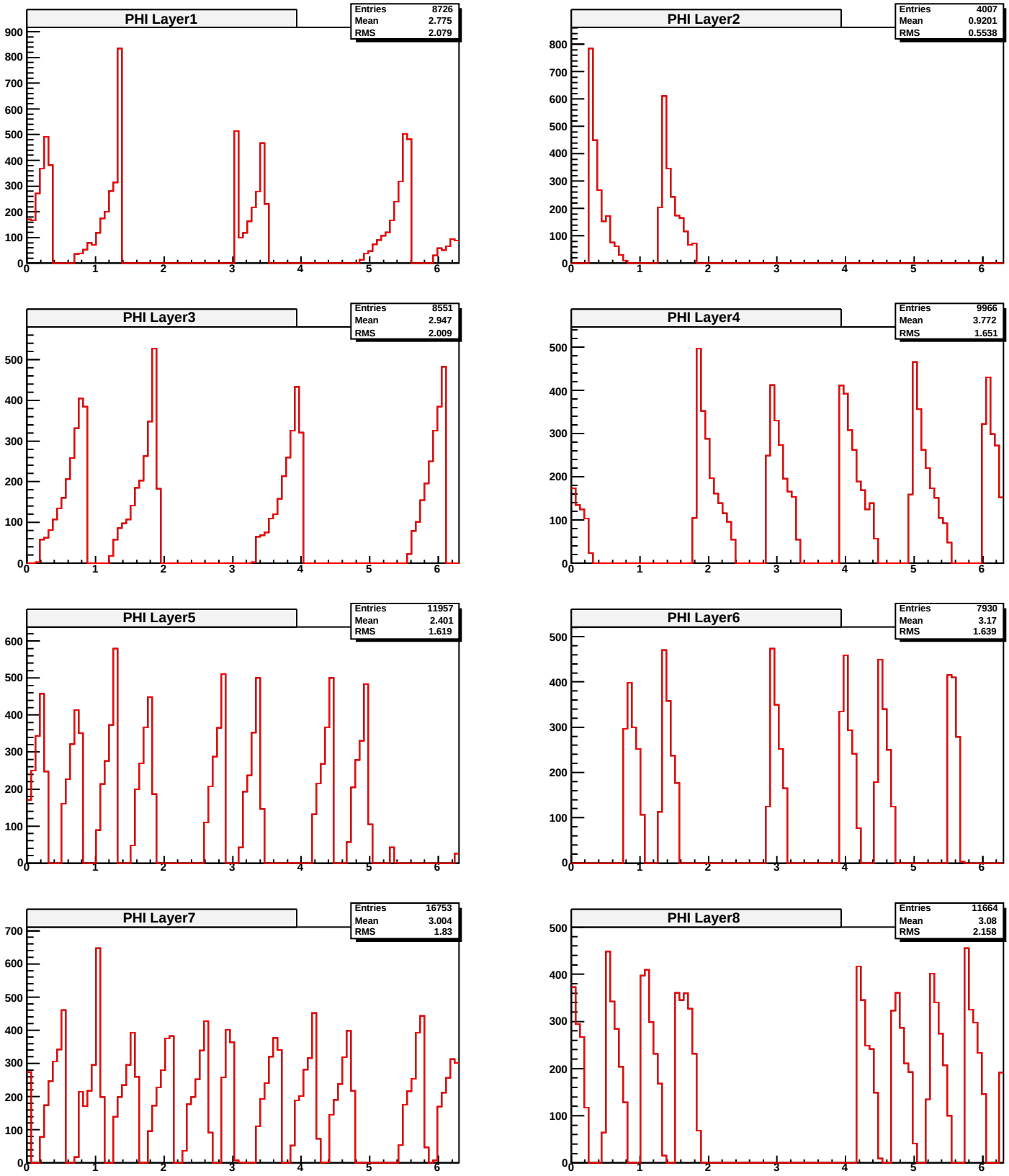
SmtClusters (ClustrBar1)



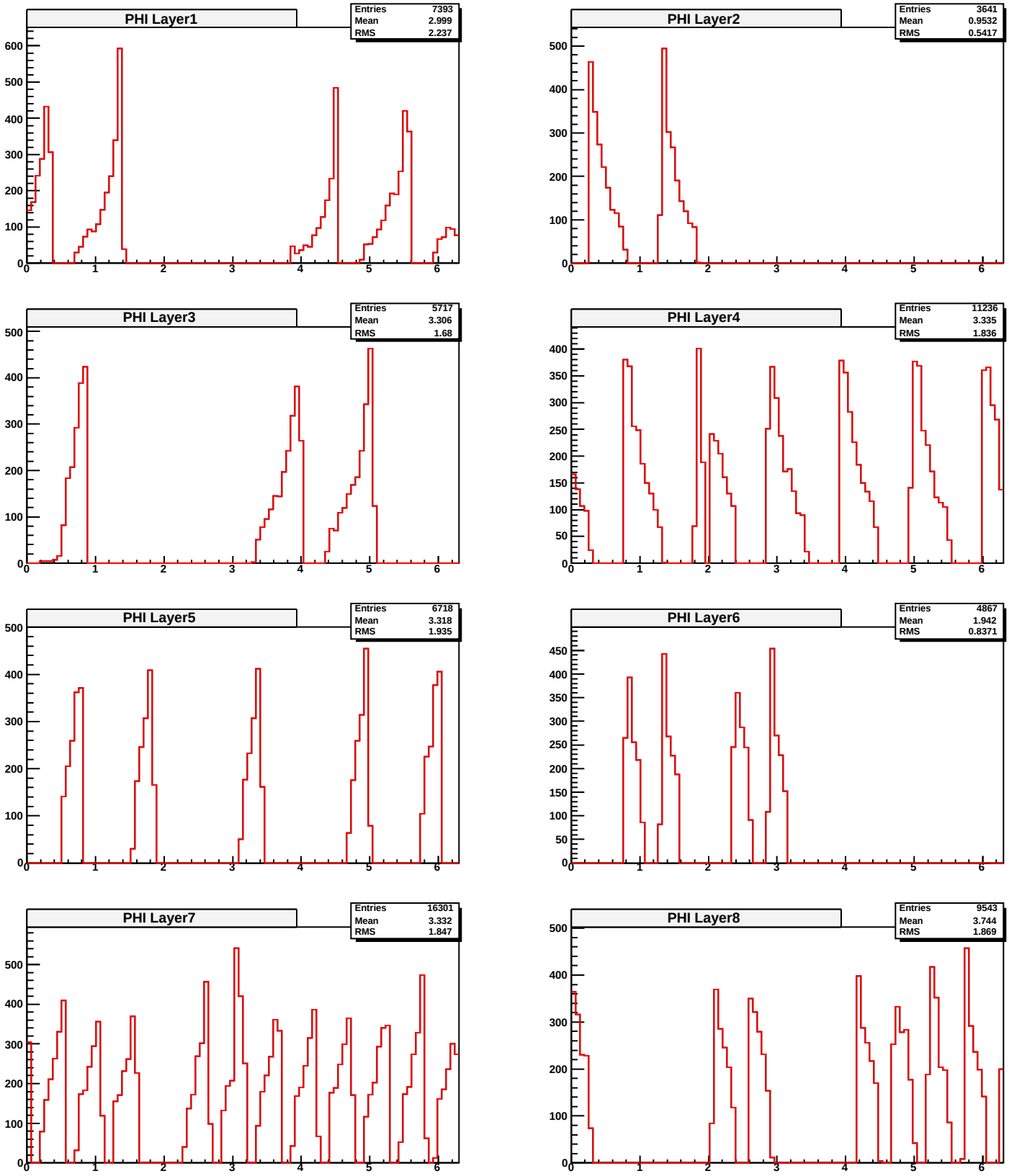
SmtClusters (ClustrBar2)



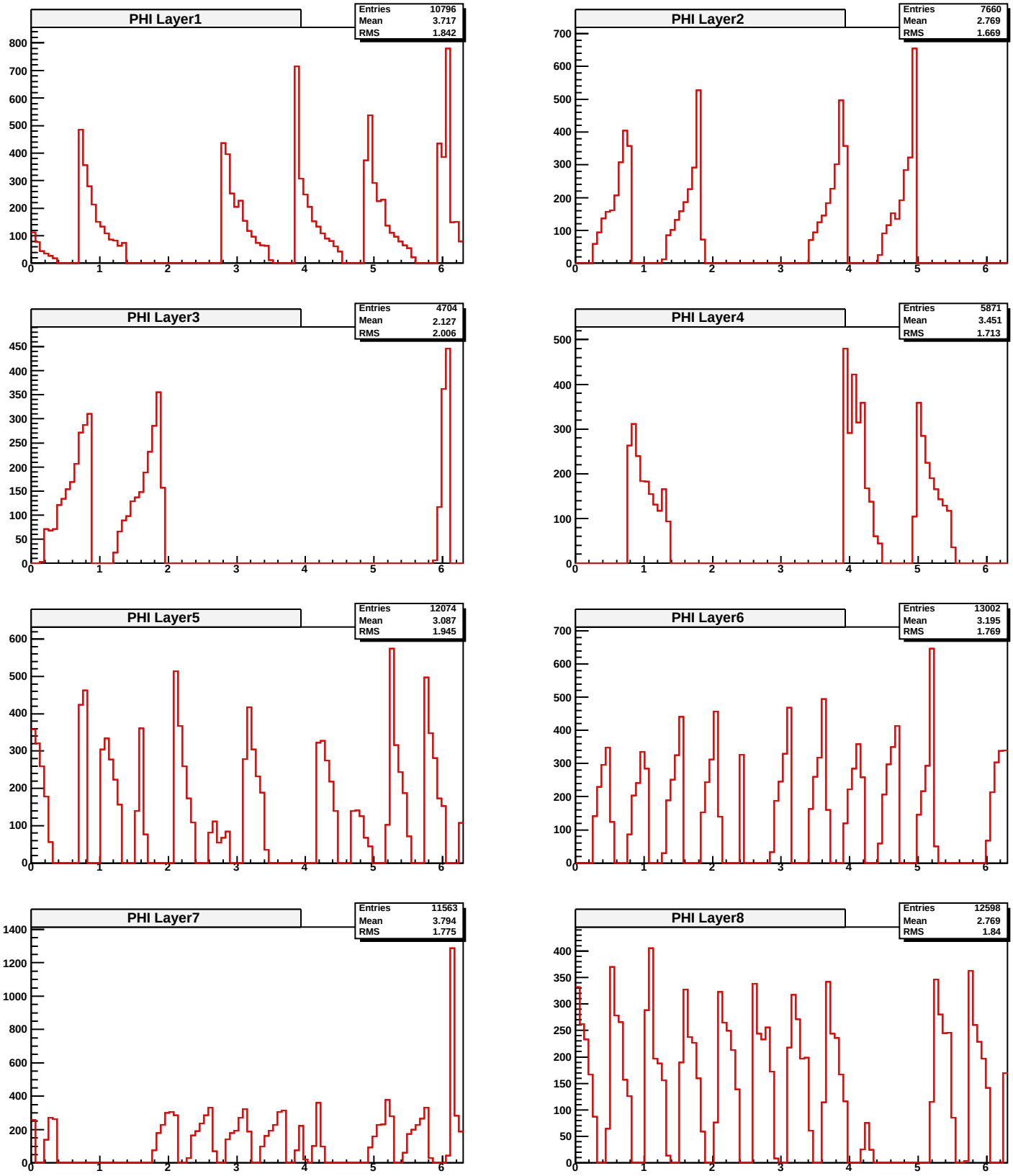
SmtClusters (ClustrBar3)



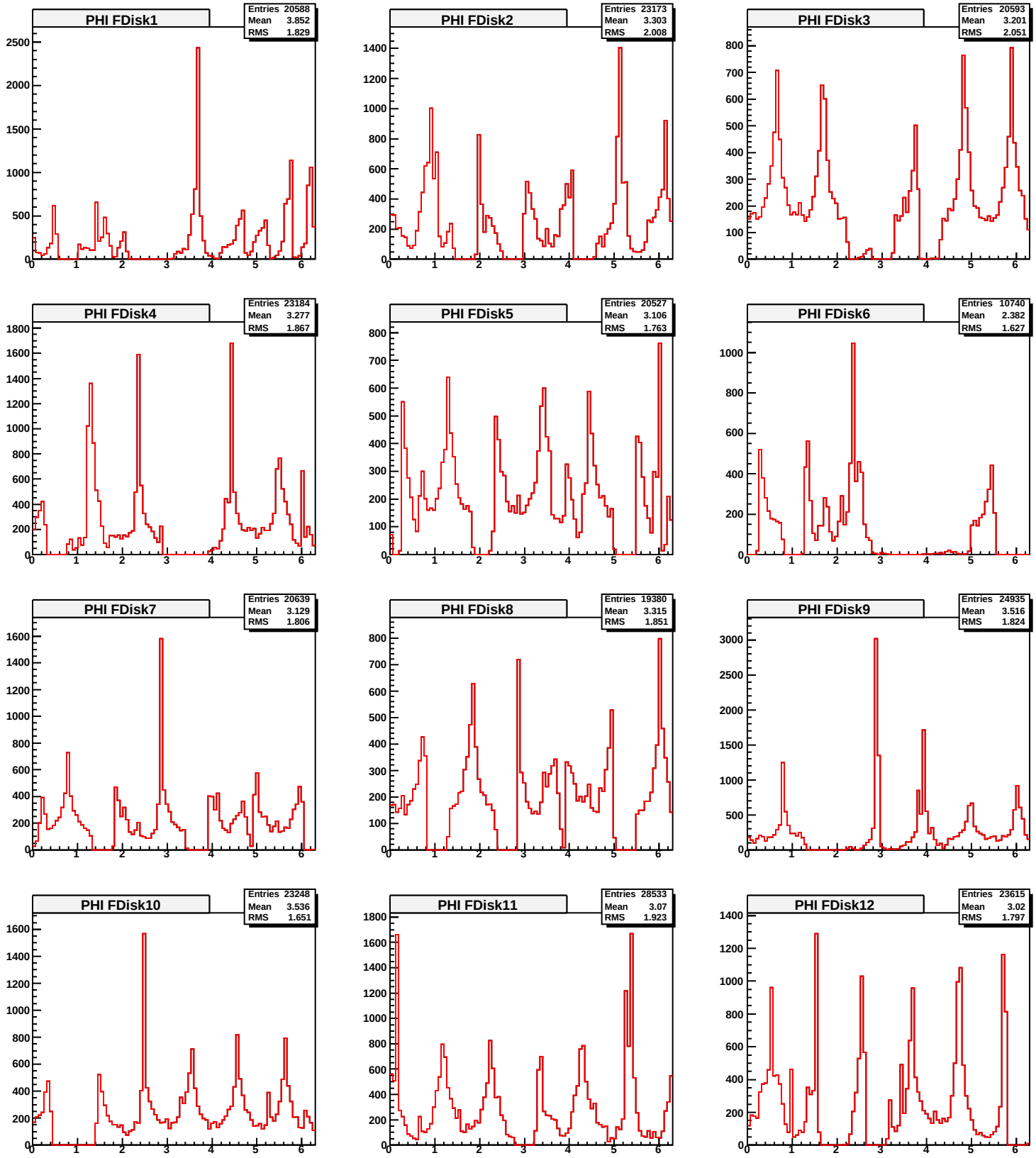
SmtClusters (ClustrBar4)



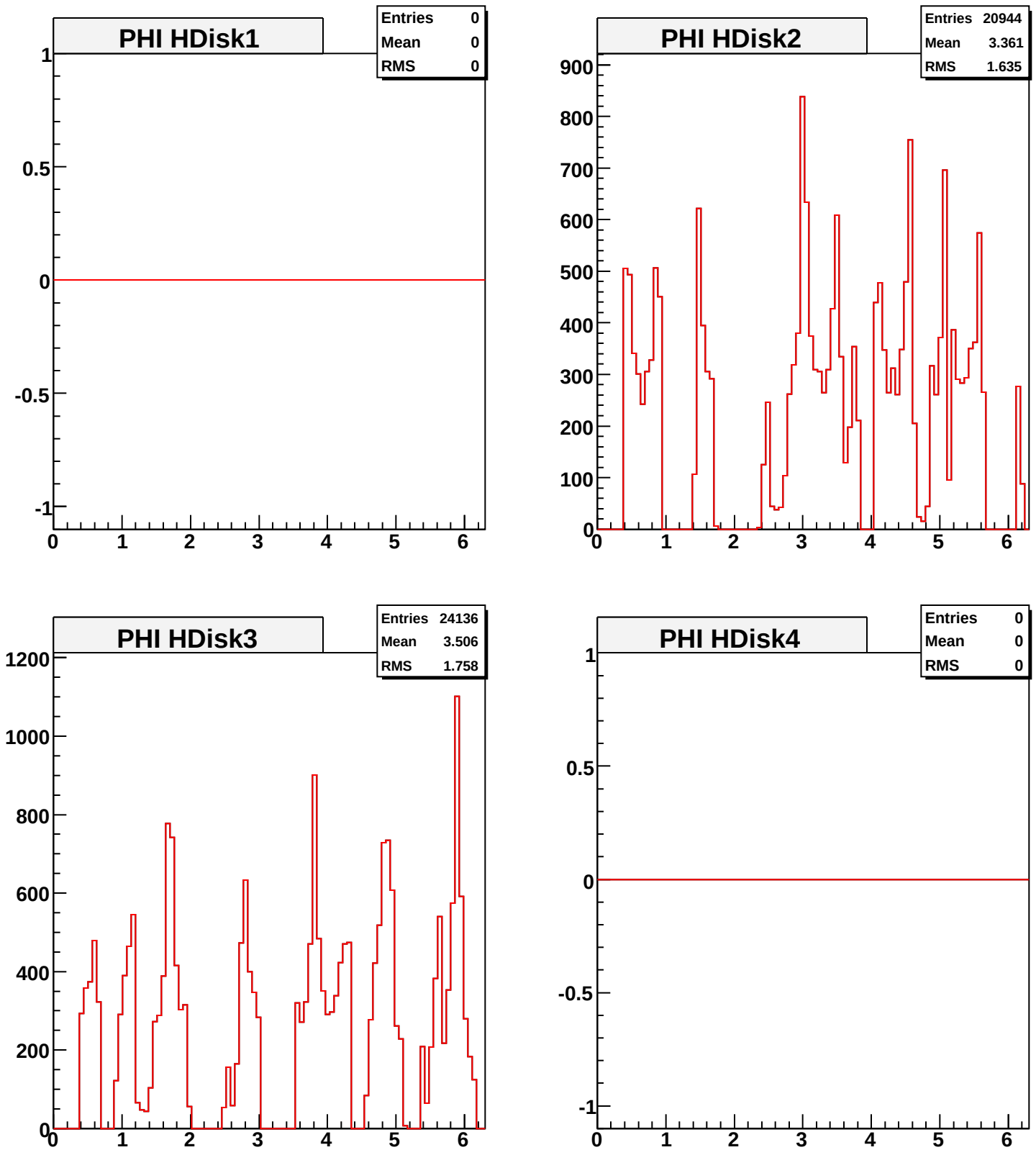
SmtClusters (ClustrBar5)



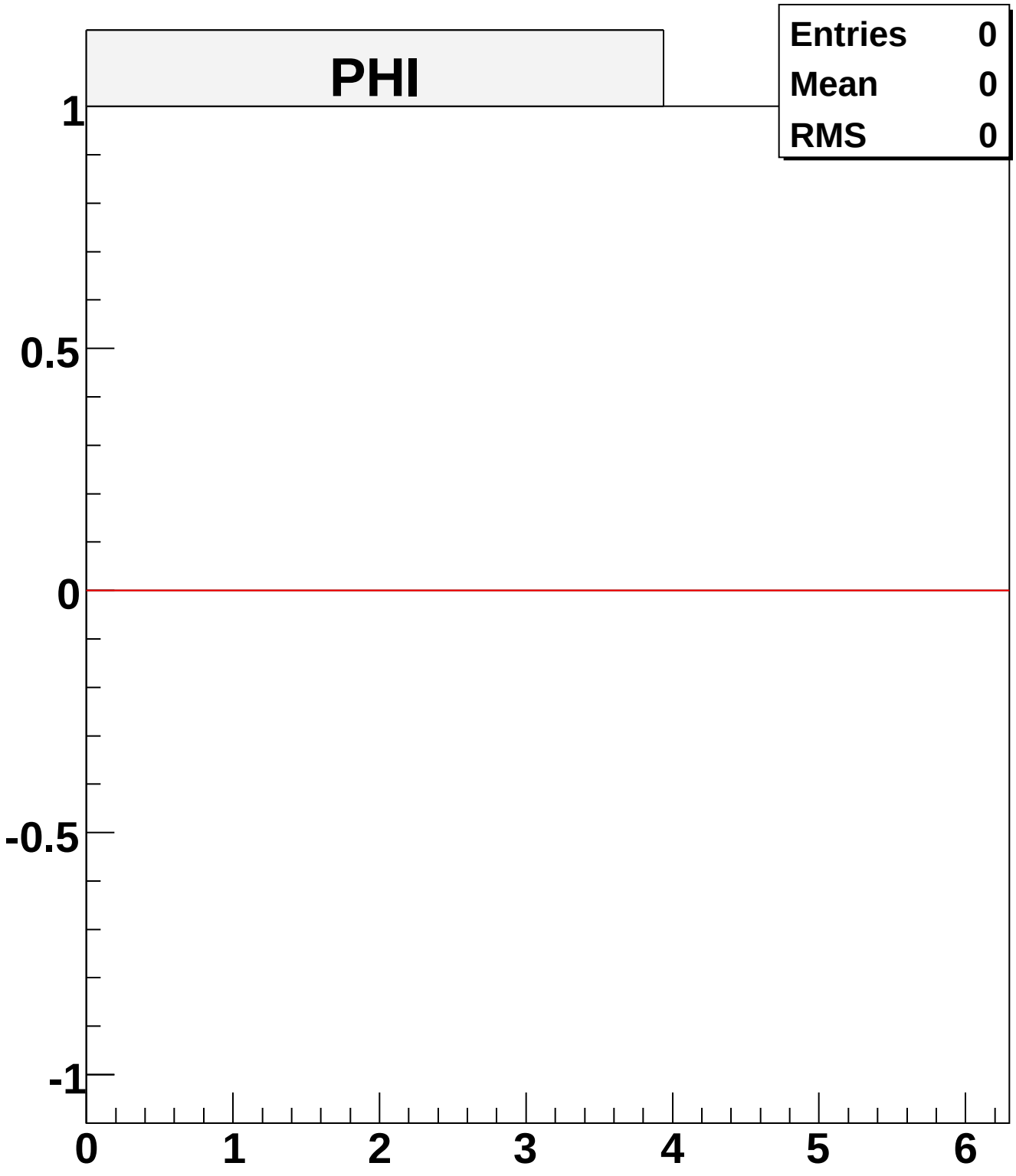
SmtClusters (ClustrBar6)



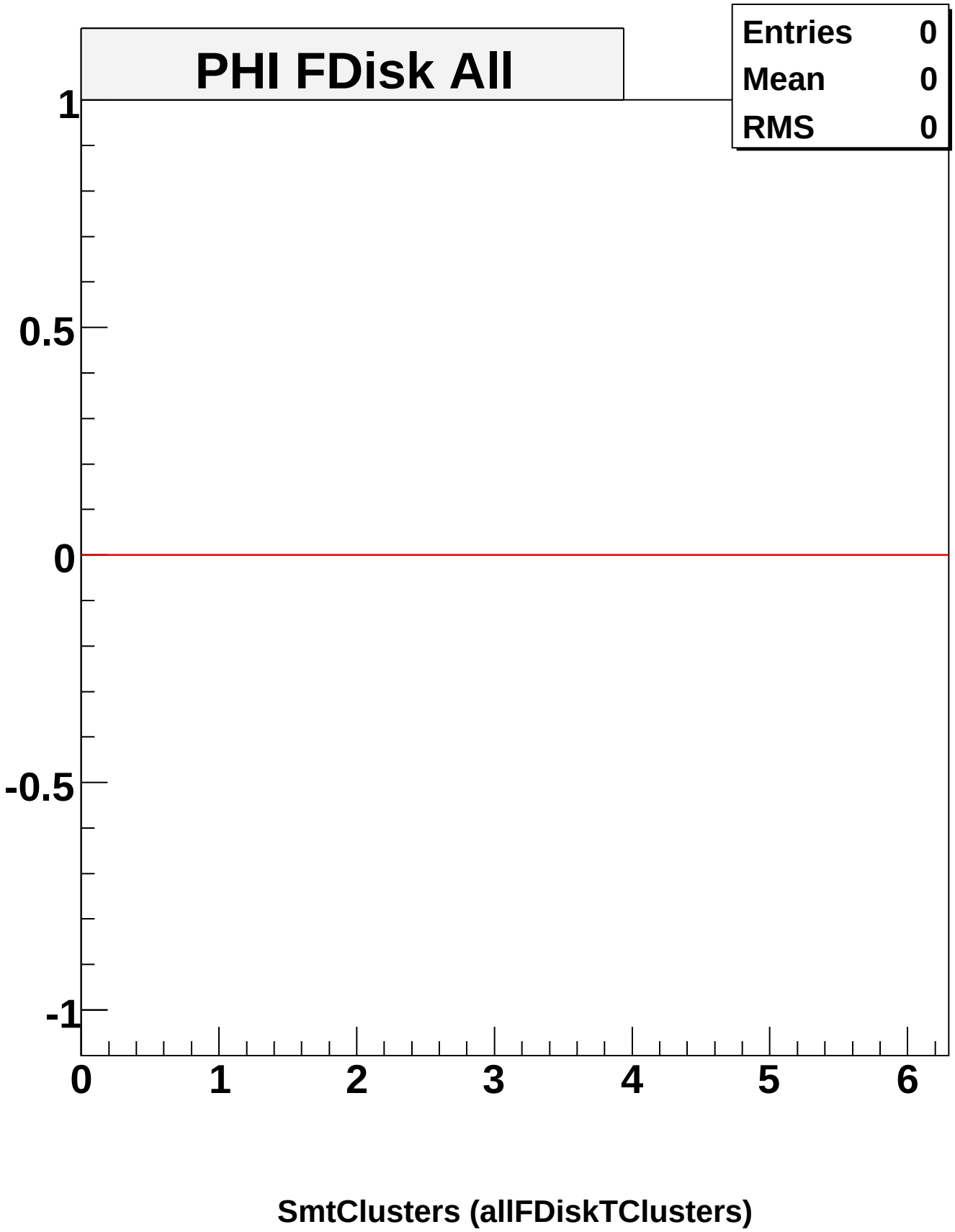
SmtClusters (FDiskClusters)

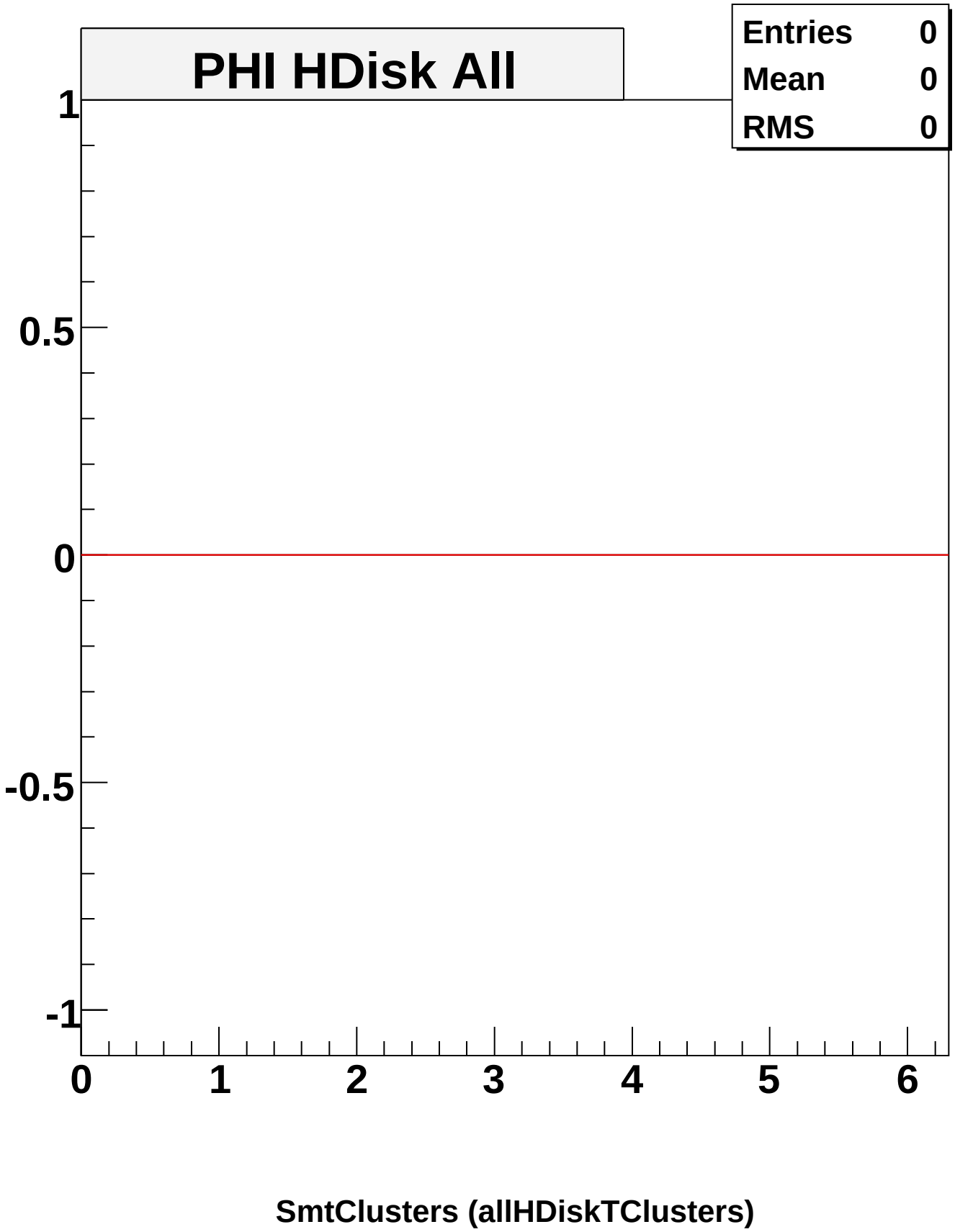


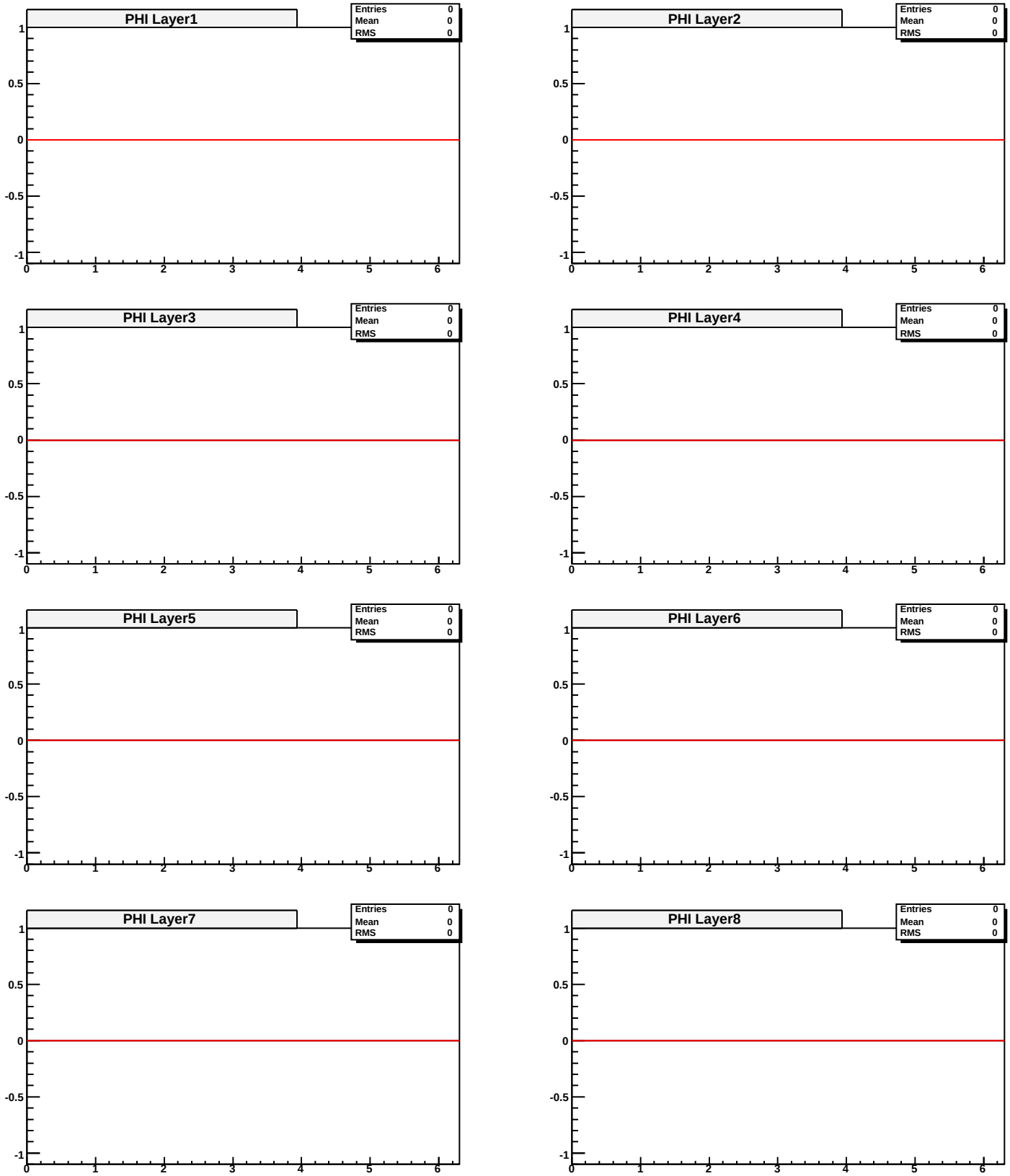
SmtClusters (HDiskClusters)



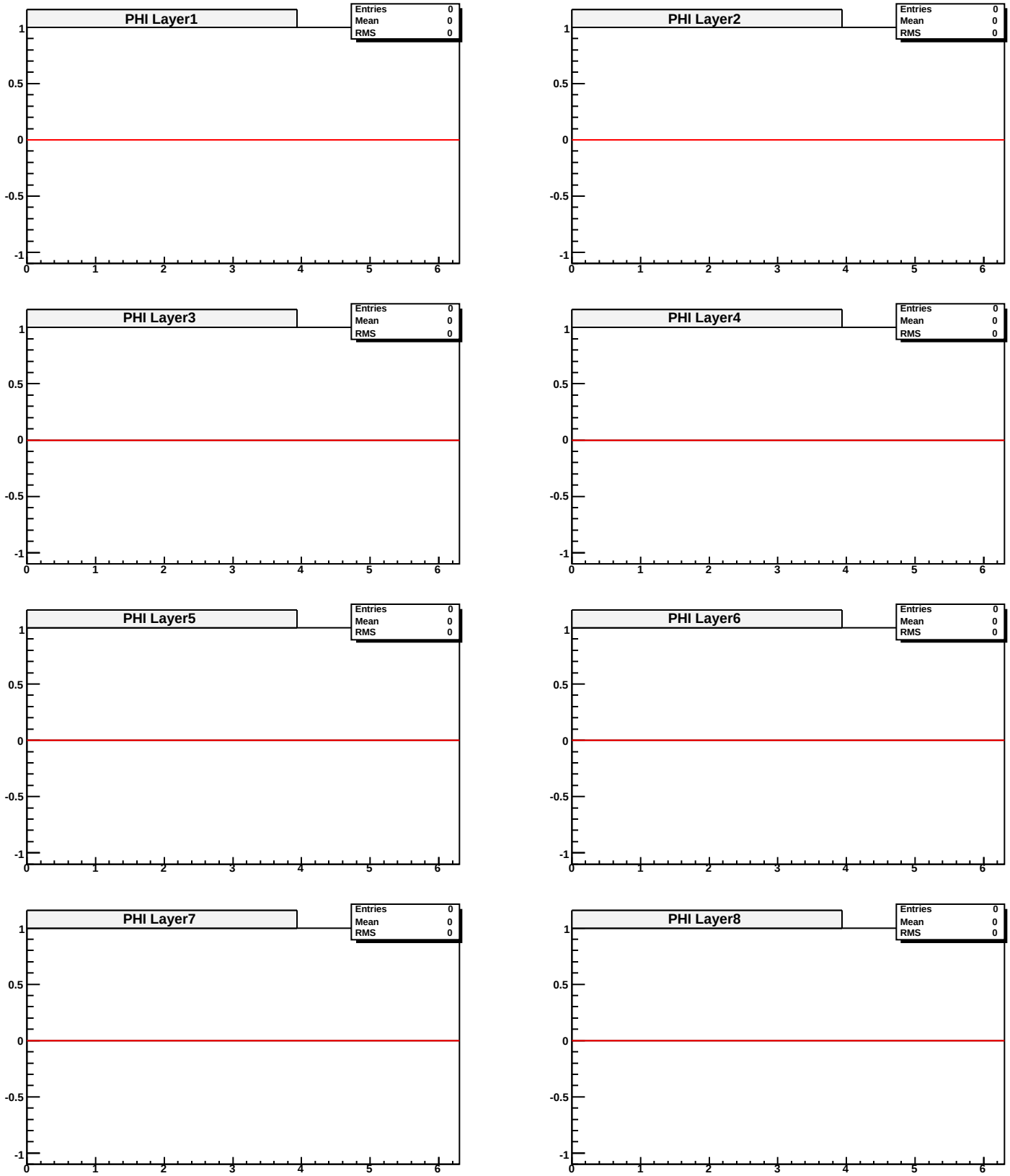
SmtClusters (allBarTClusters)


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)

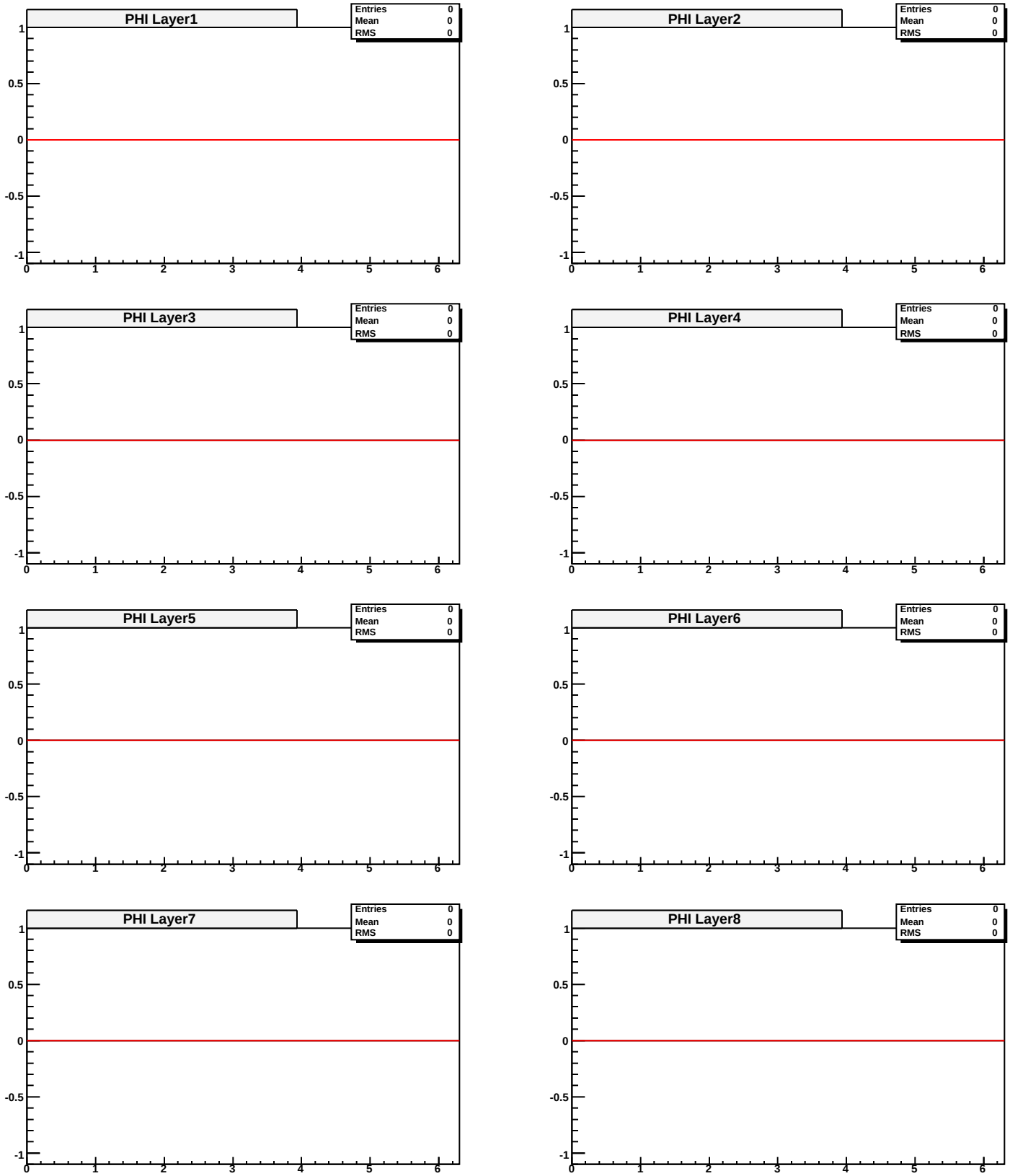

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



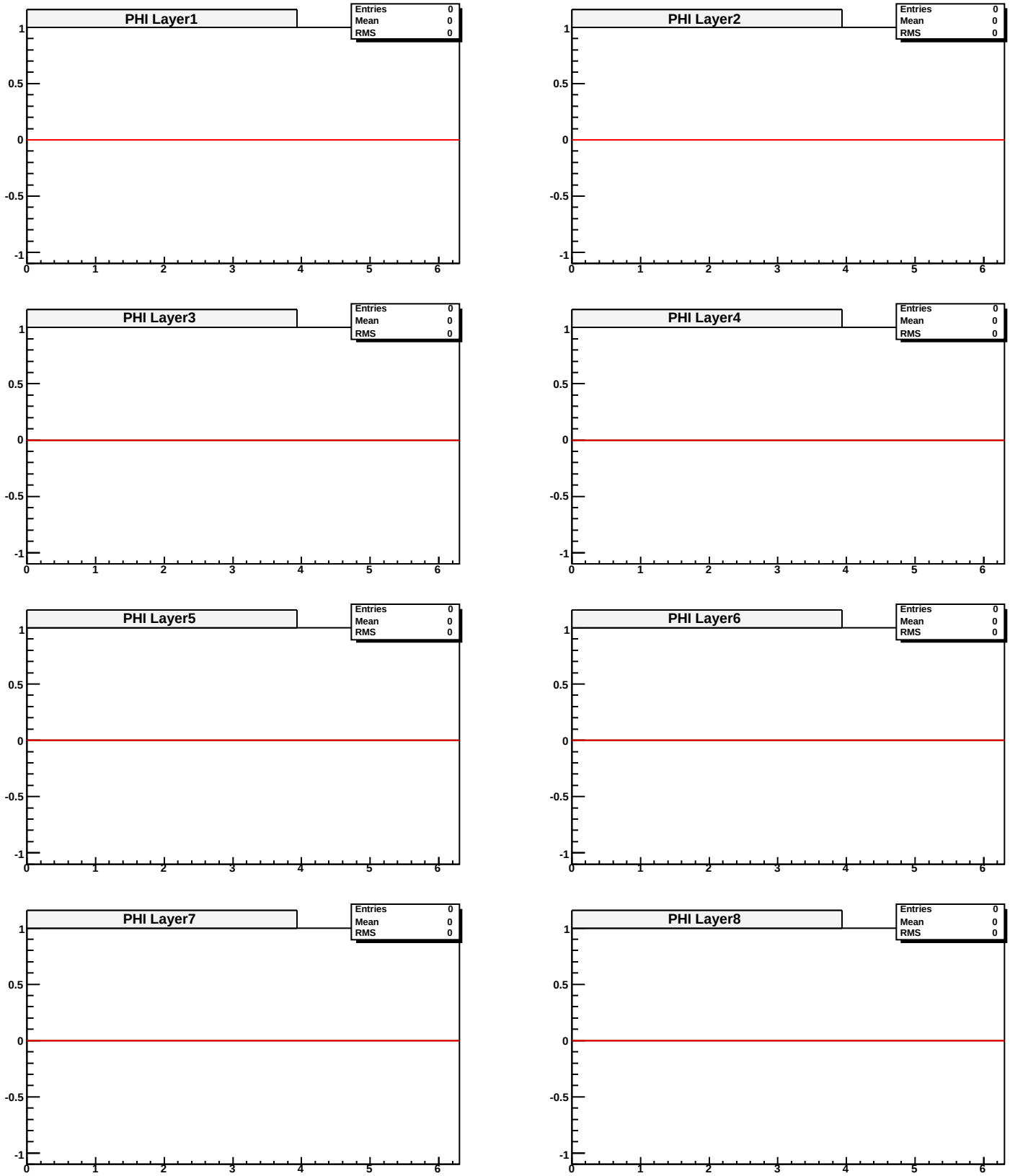
SmtClusters (TClustrBar1)



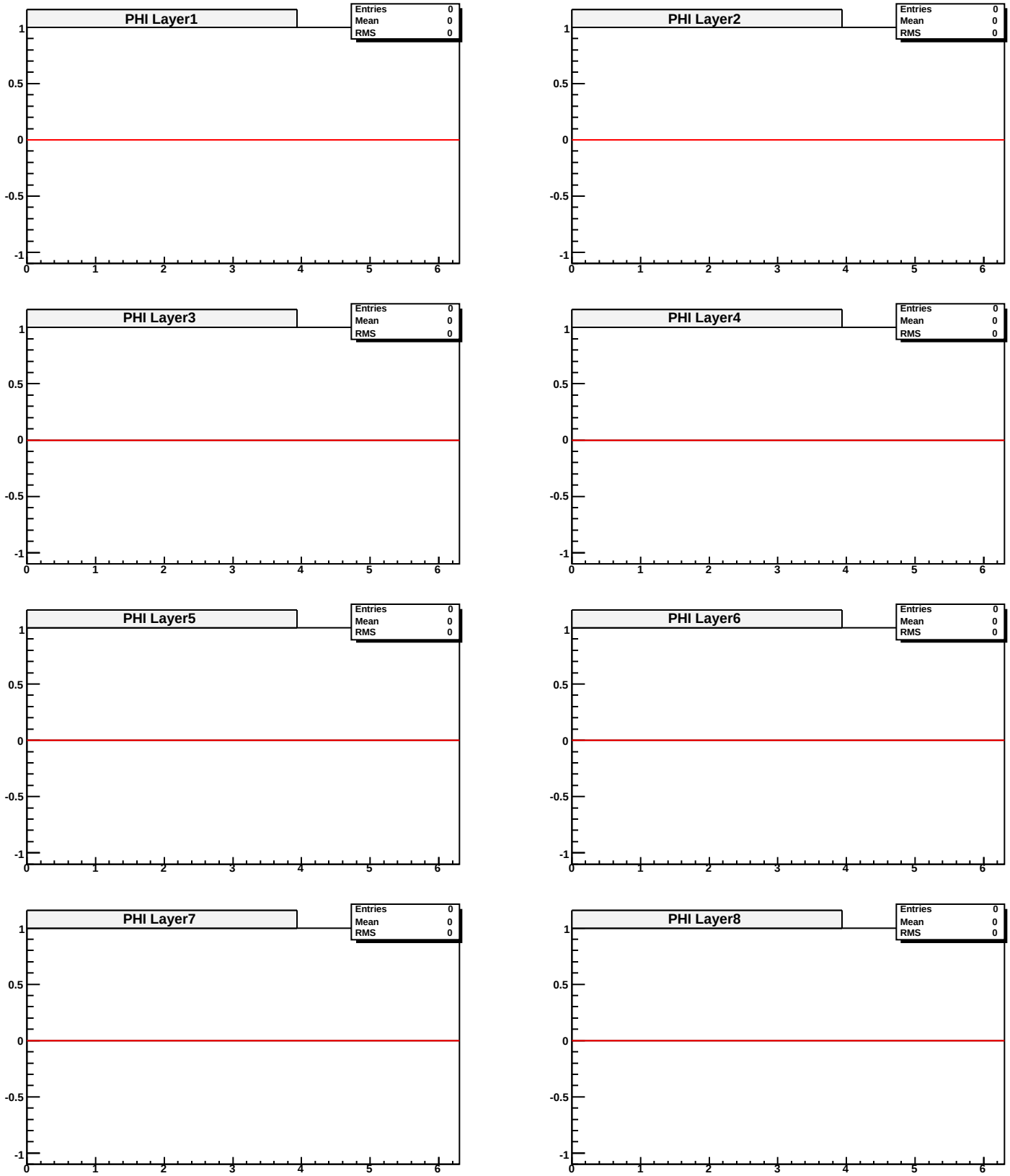
SmtClusters (TClustrBar2)



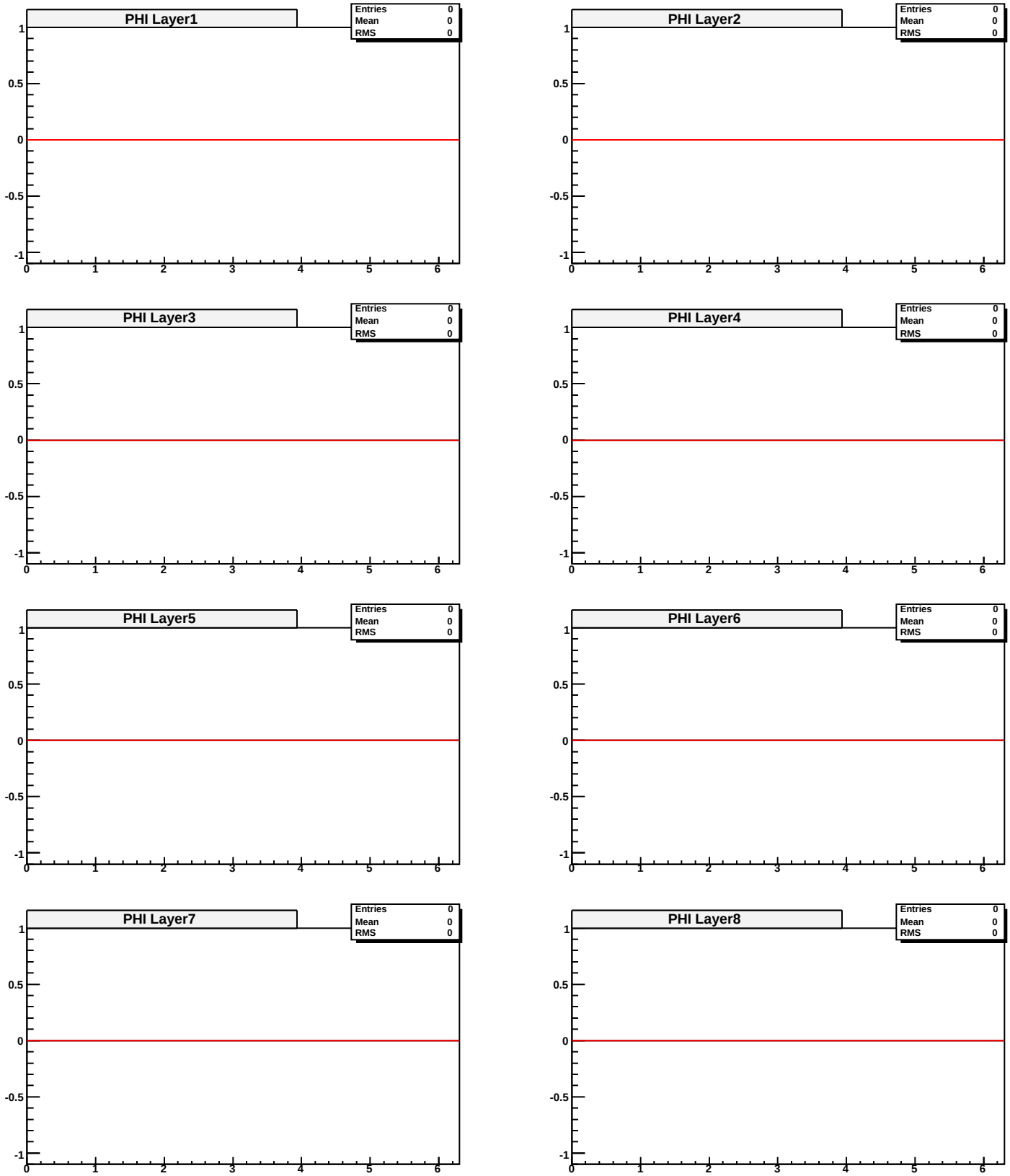
SmtClusters (TClustrBar3)



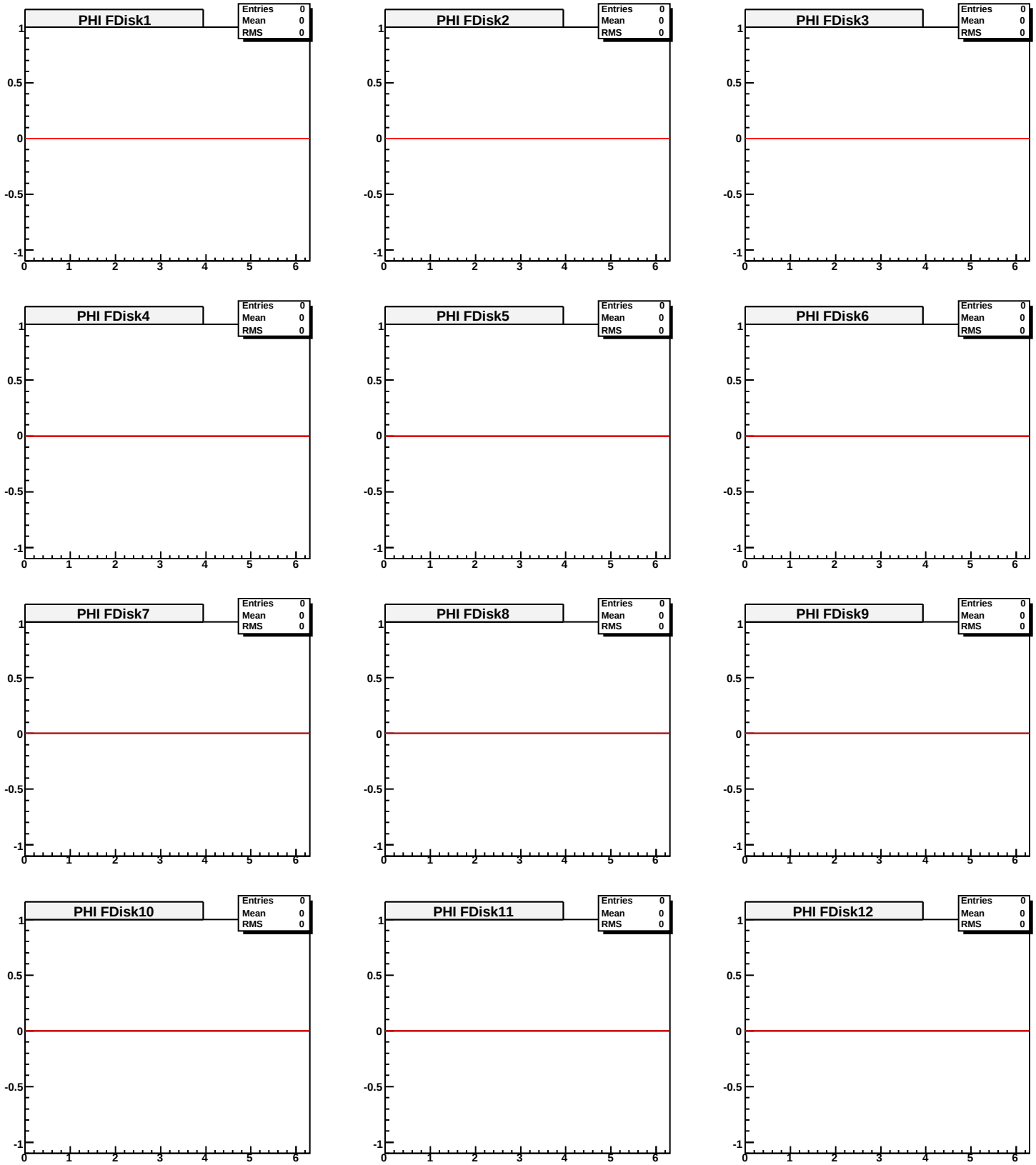
SmtClusters (TClustrBar4)



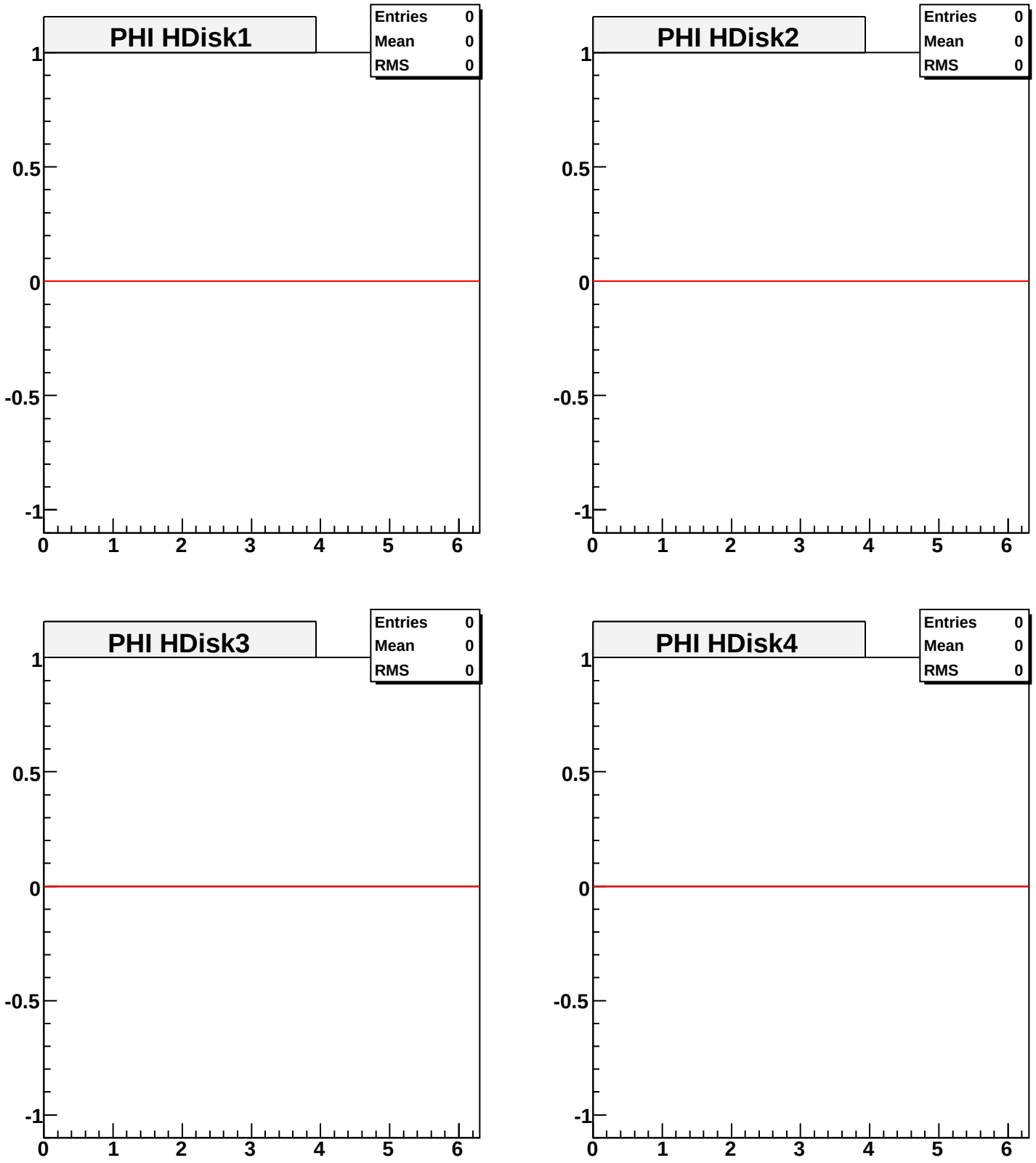
SmtClusters (TClustrBar5)



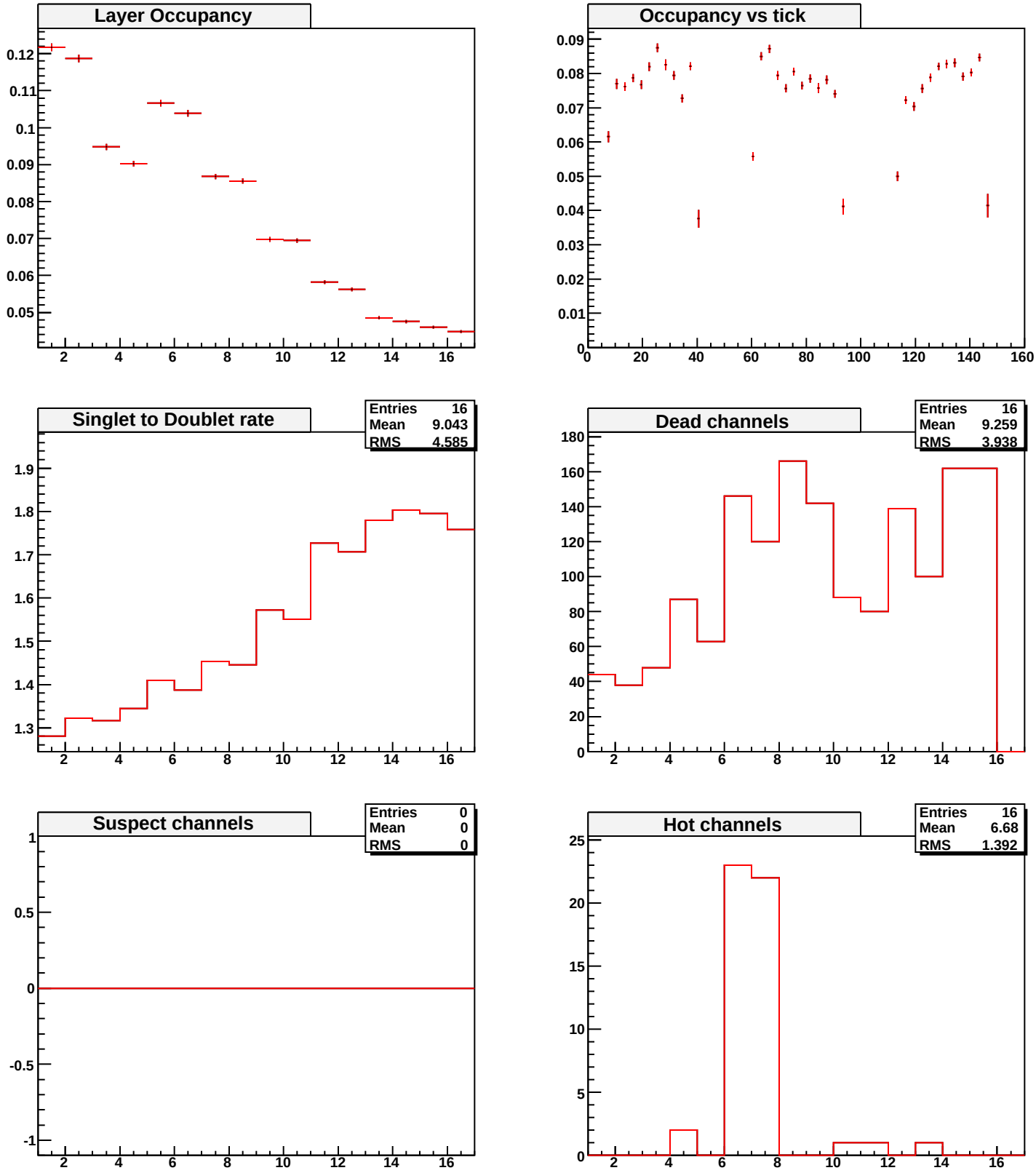
SmtClusters (TClustrBar6)



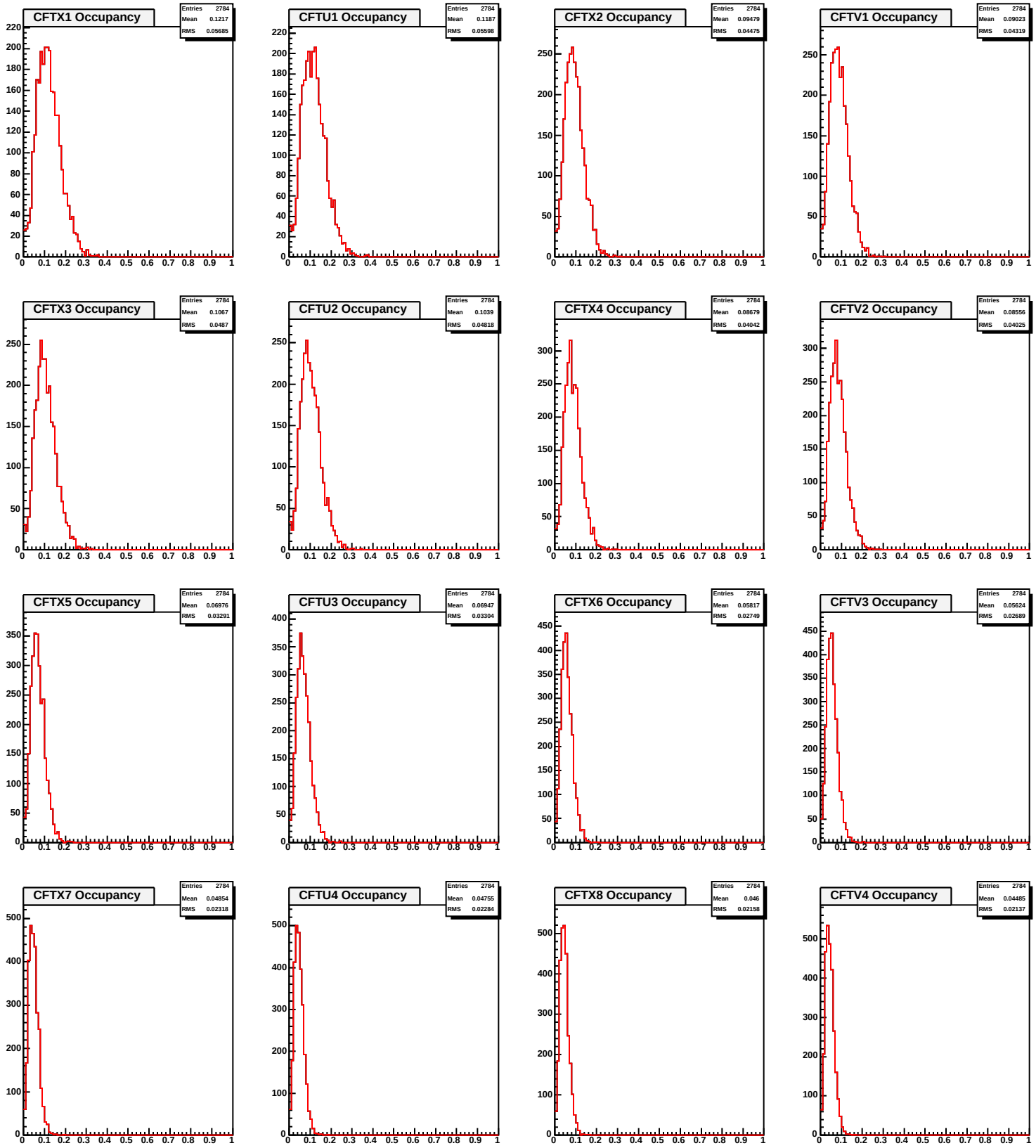
SmtClusters (FDiskTClusters)



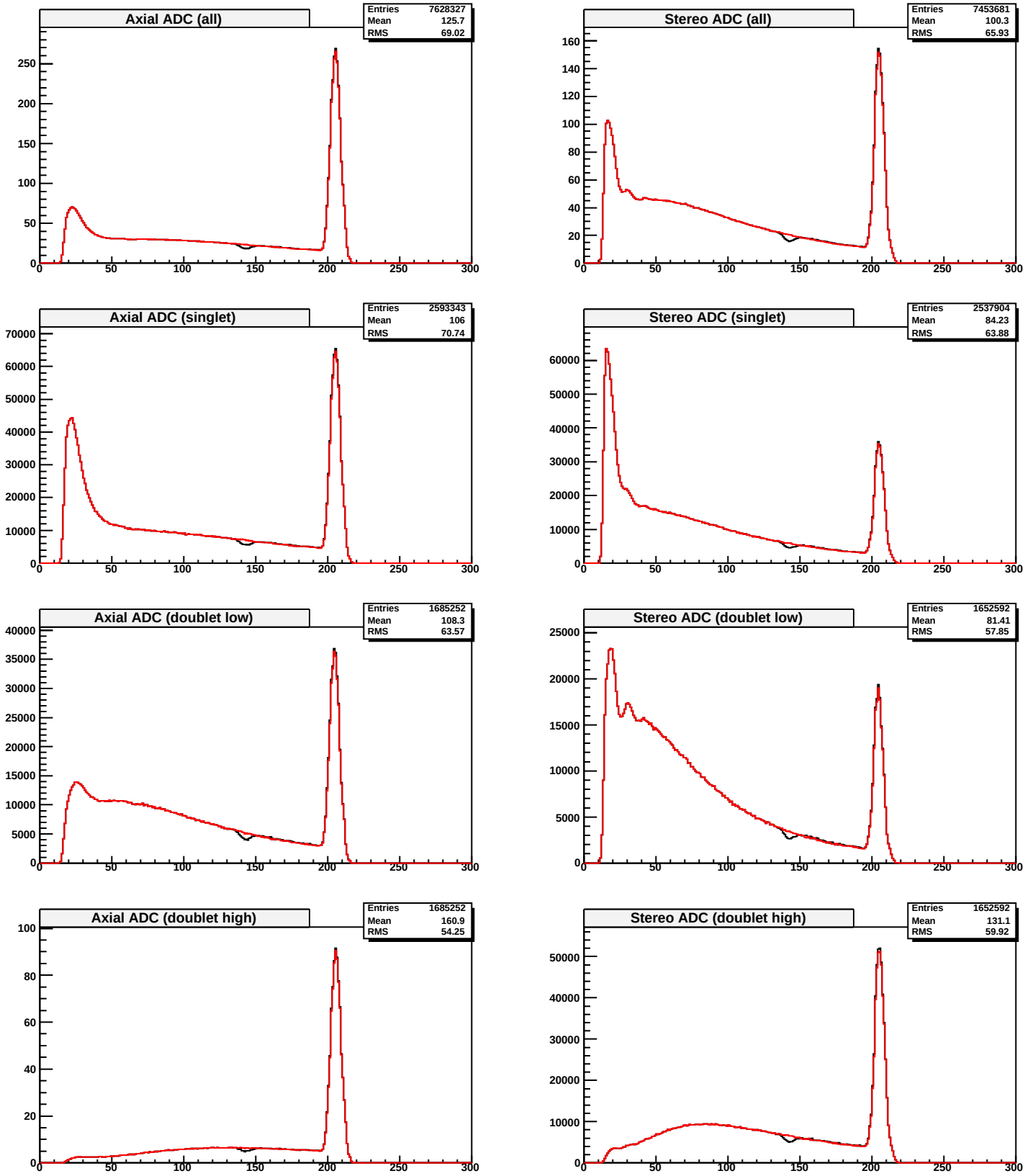
SmtClusters (HDiskTClusters)



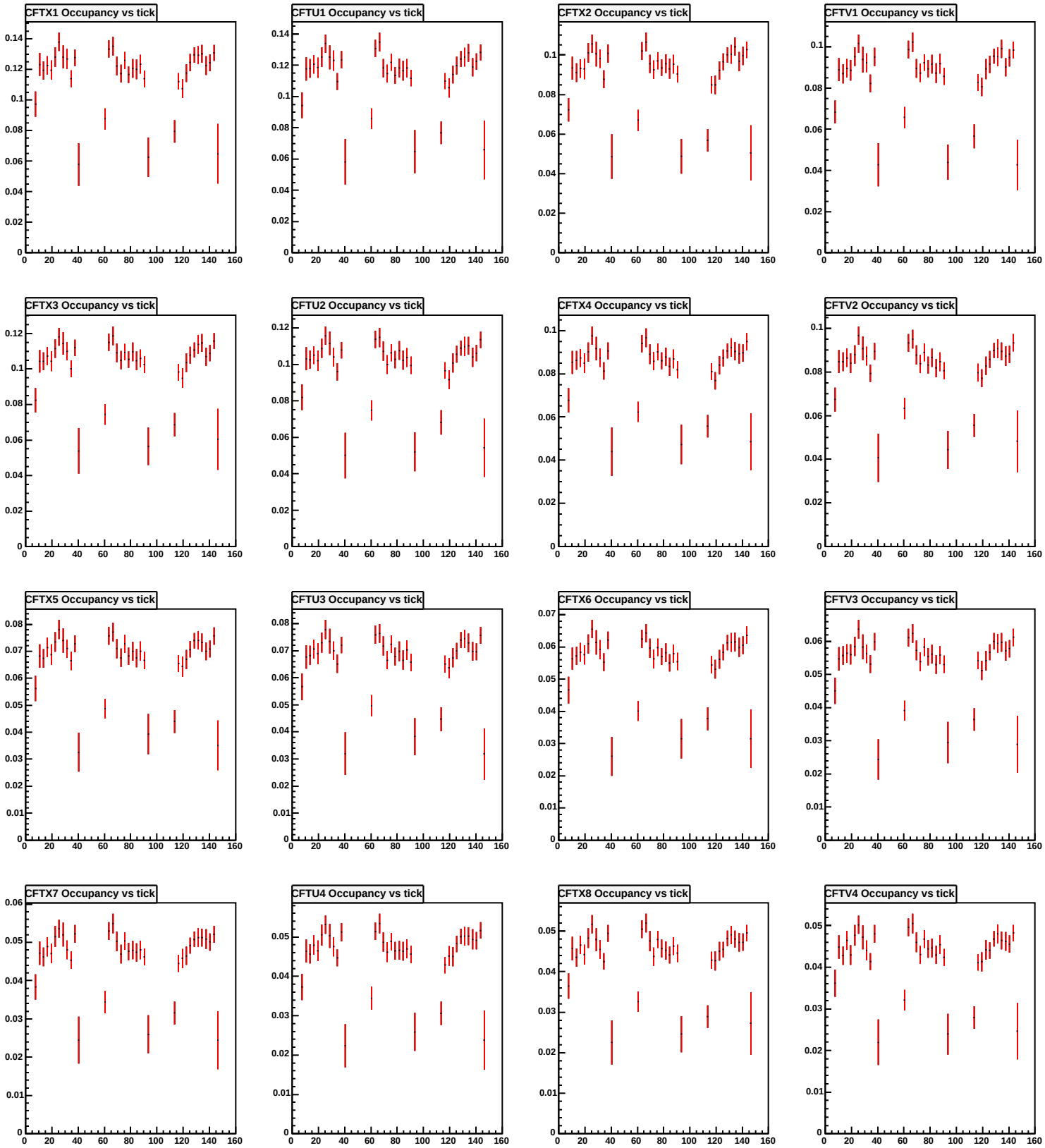
CFT Summary (All Clusters)



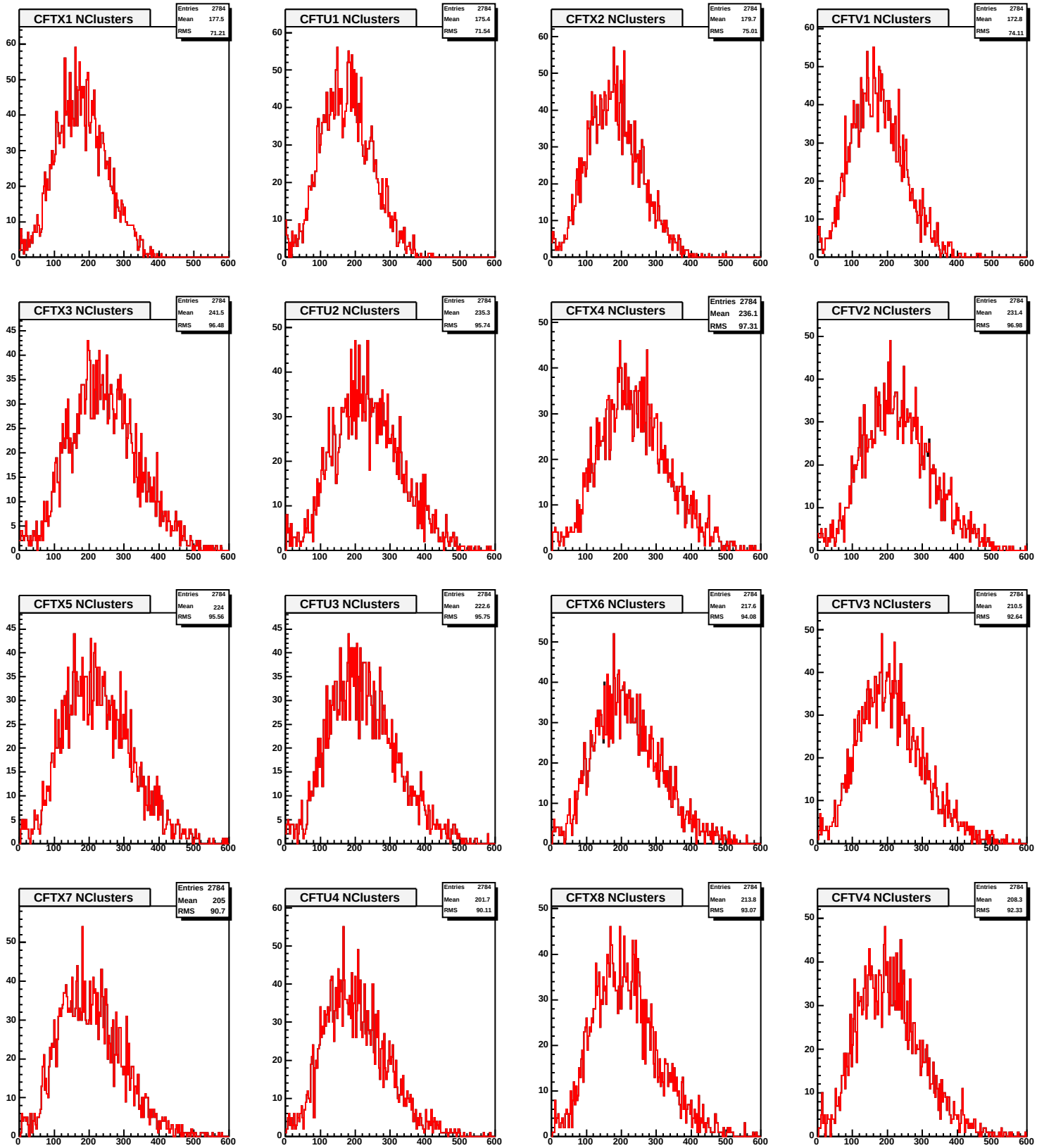
CFT Occupancy (All Clusters)



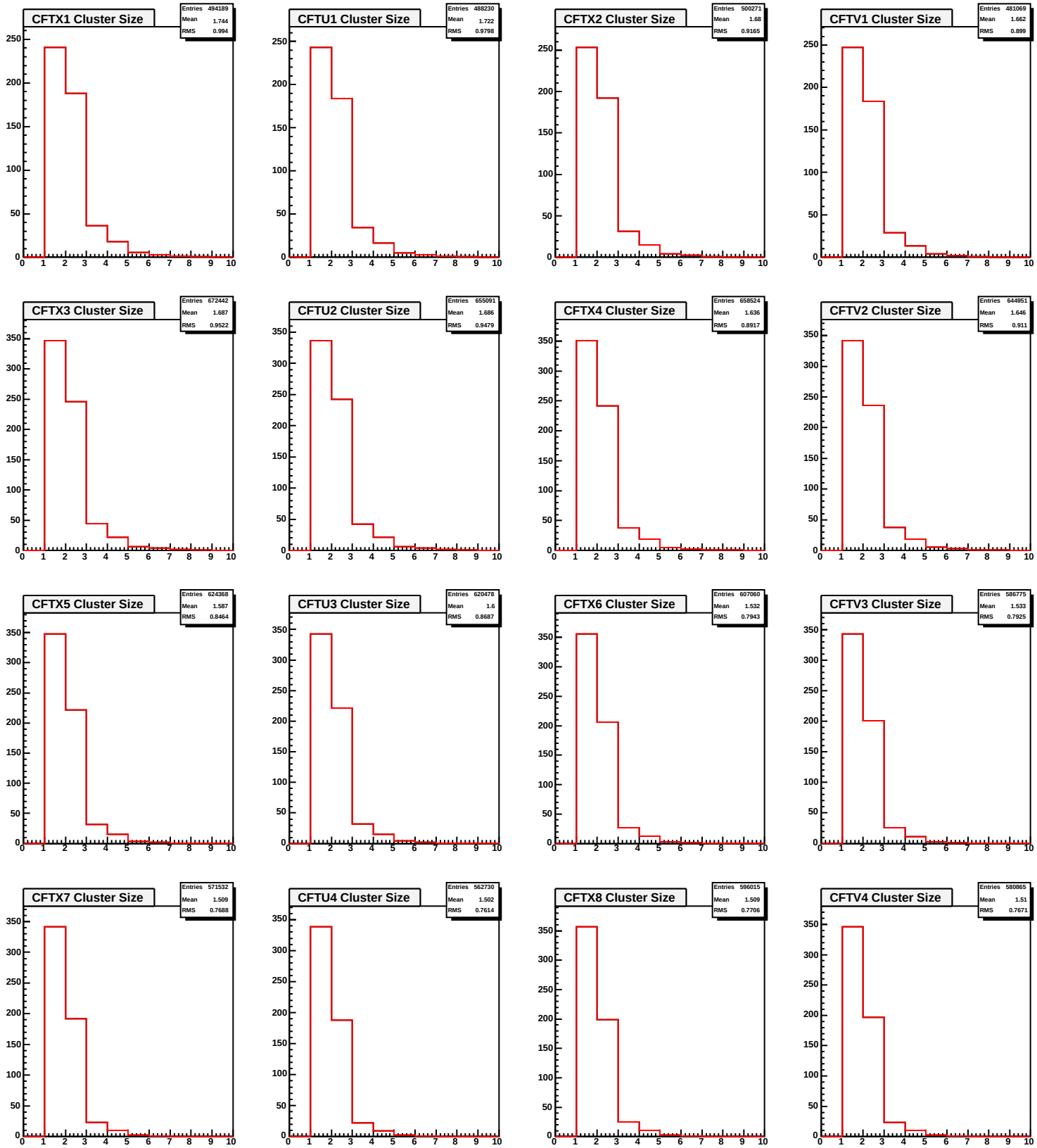
CFT ADC Summary (All Clusters)



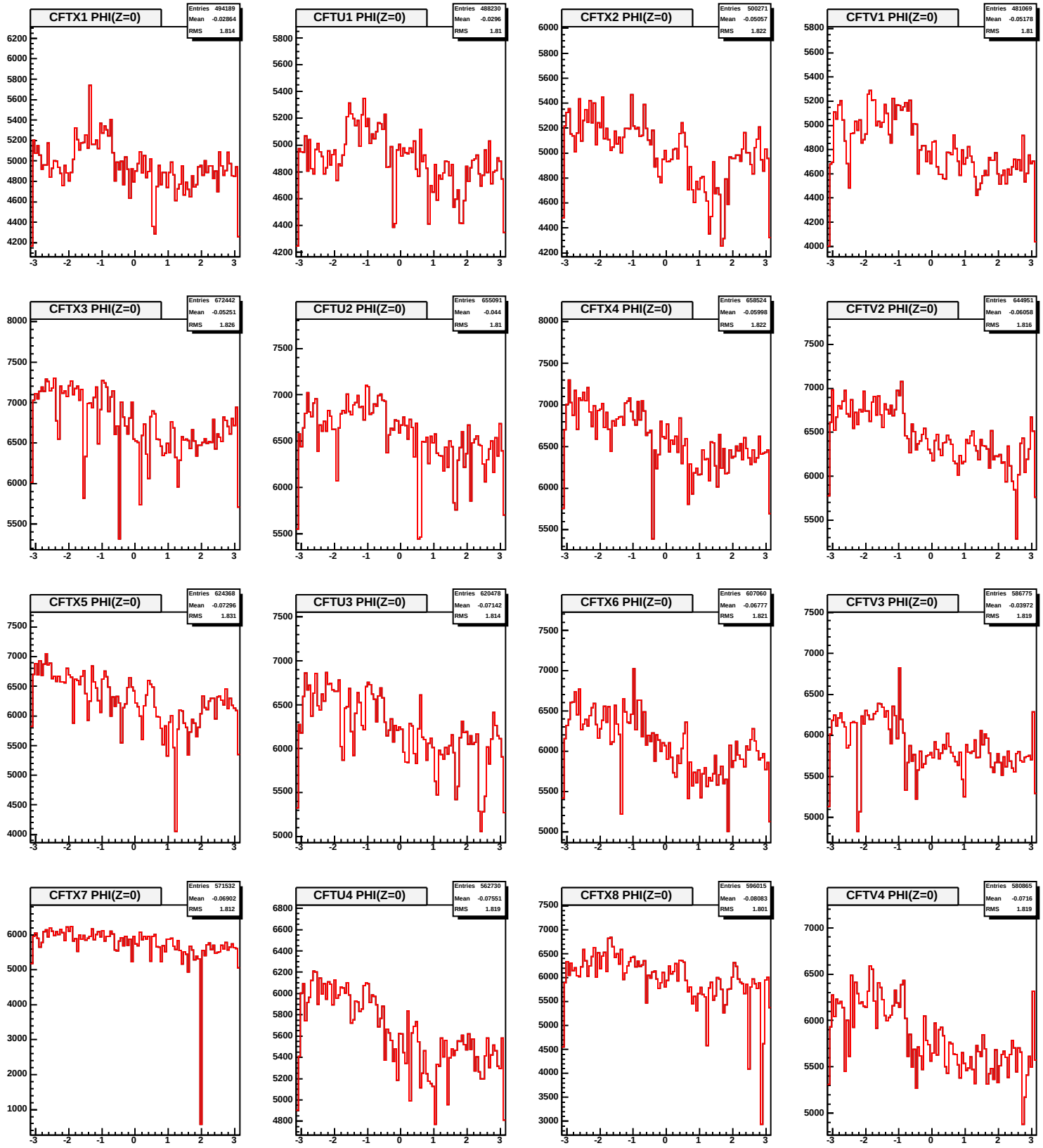
CFT Occupancy vs Tick (All Clusters)



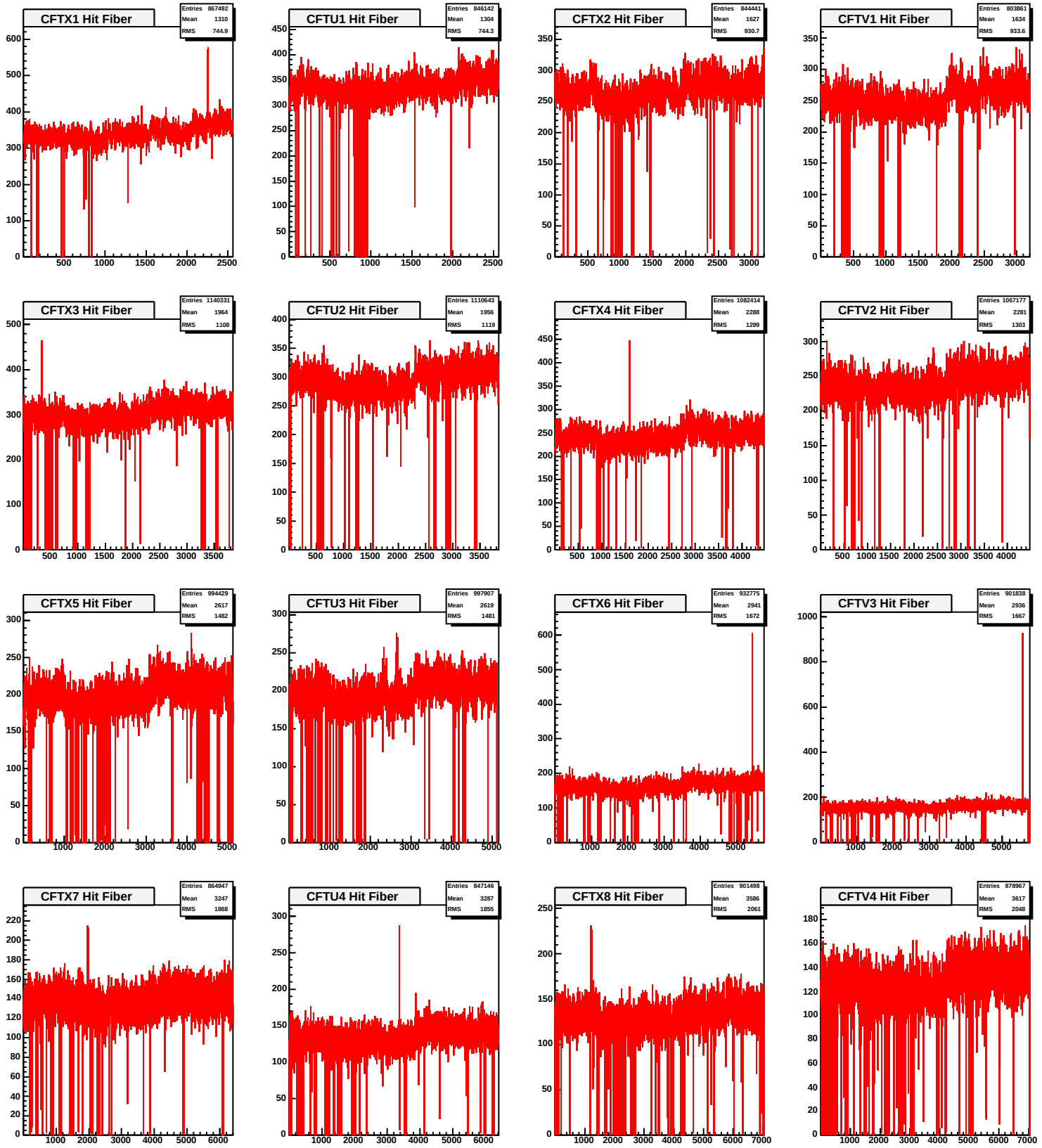
CFT NClusters (All Clusters)



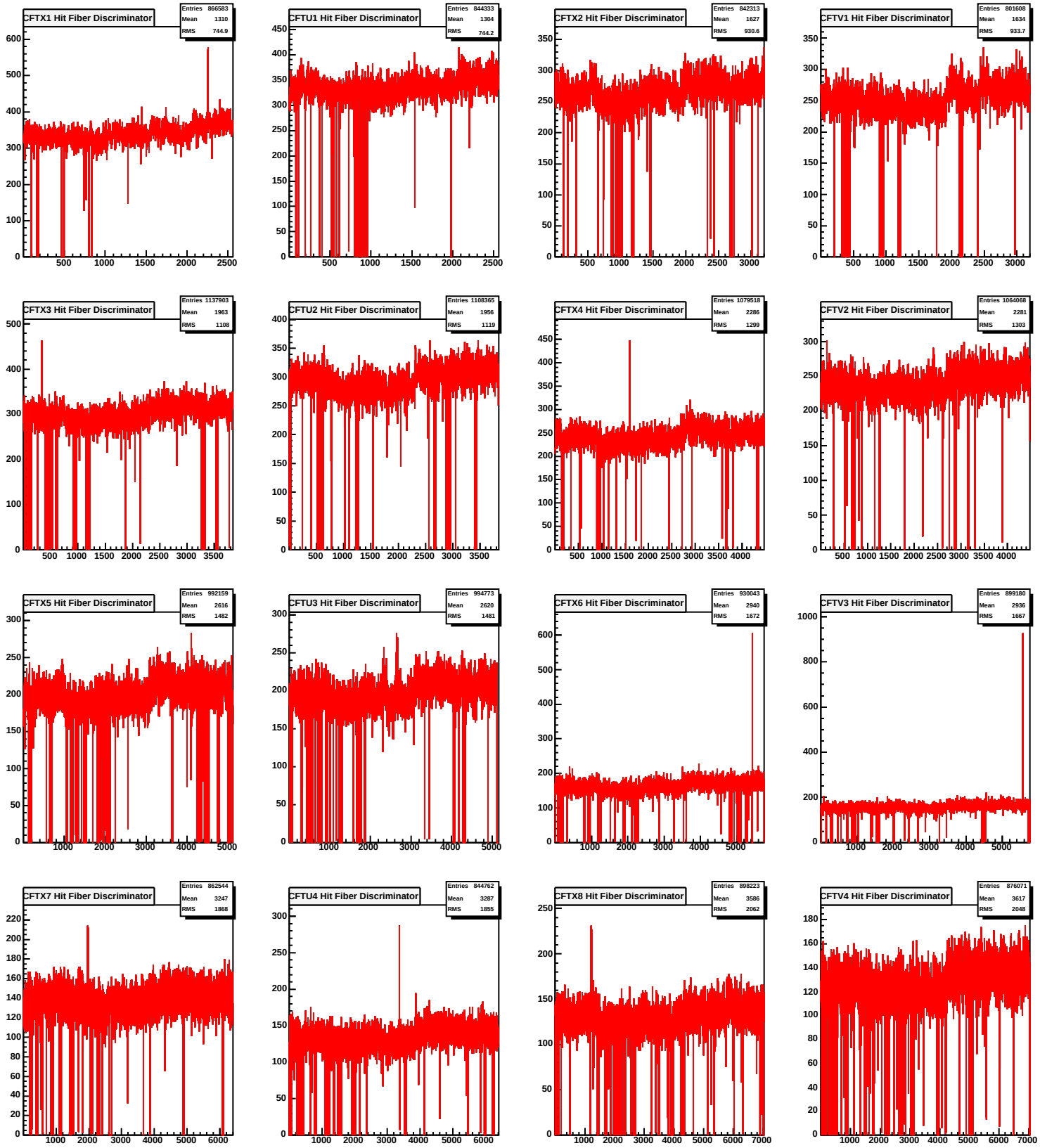
CFT Cluster Size (All Clusters)



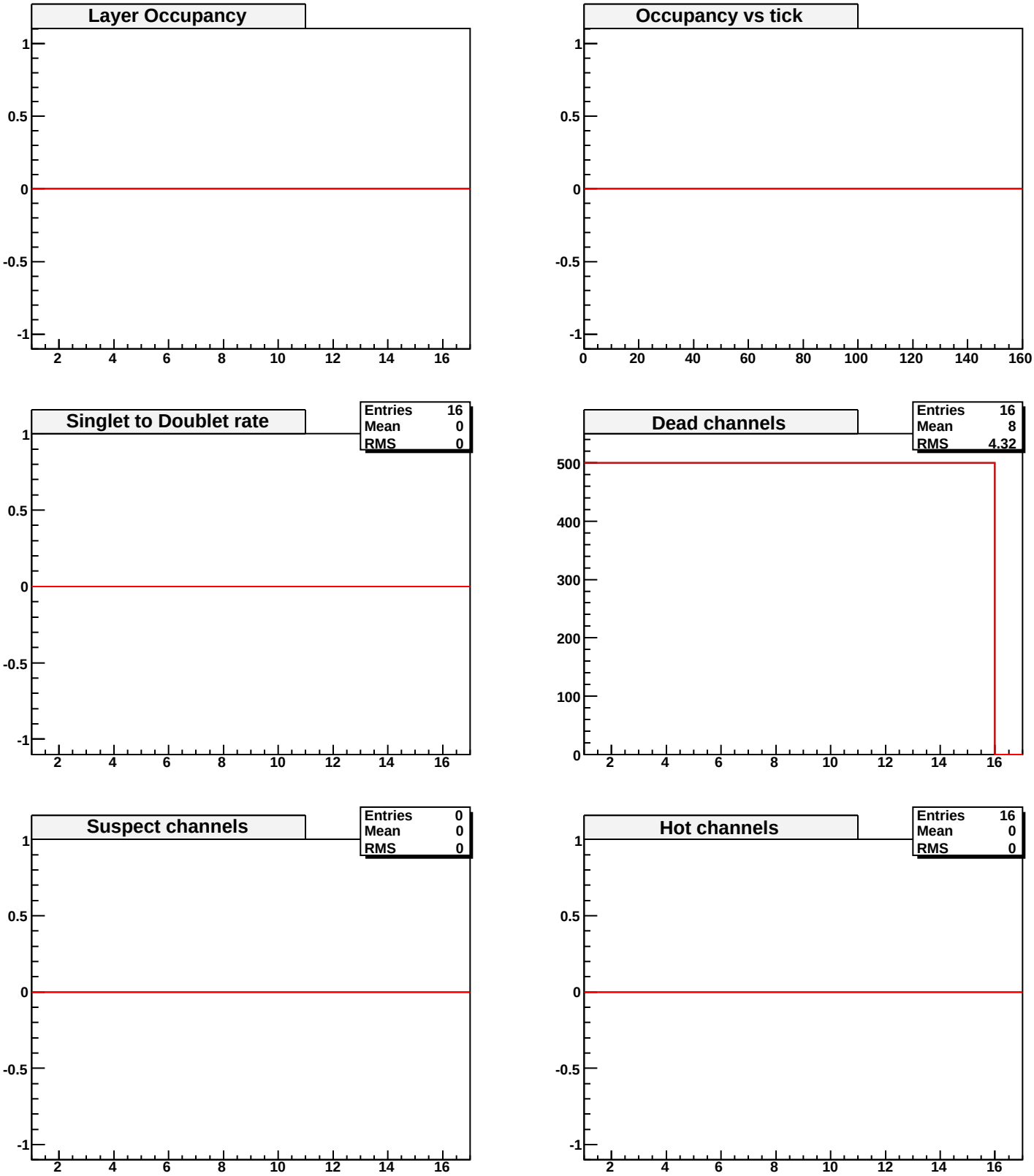
CFT PHI(Z=0) (All Clusters)



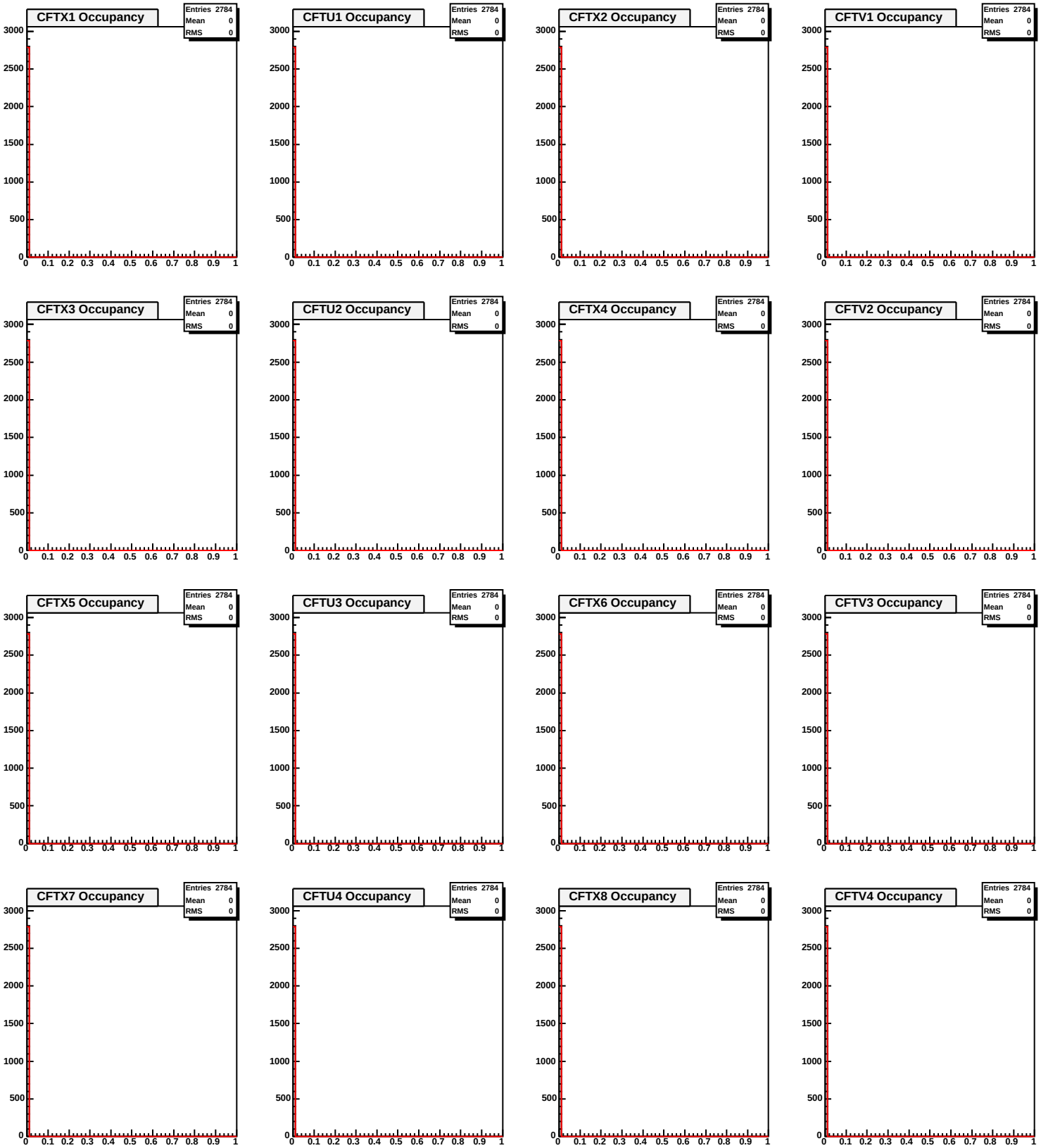
CFT Hit Fiber (All Clusters)



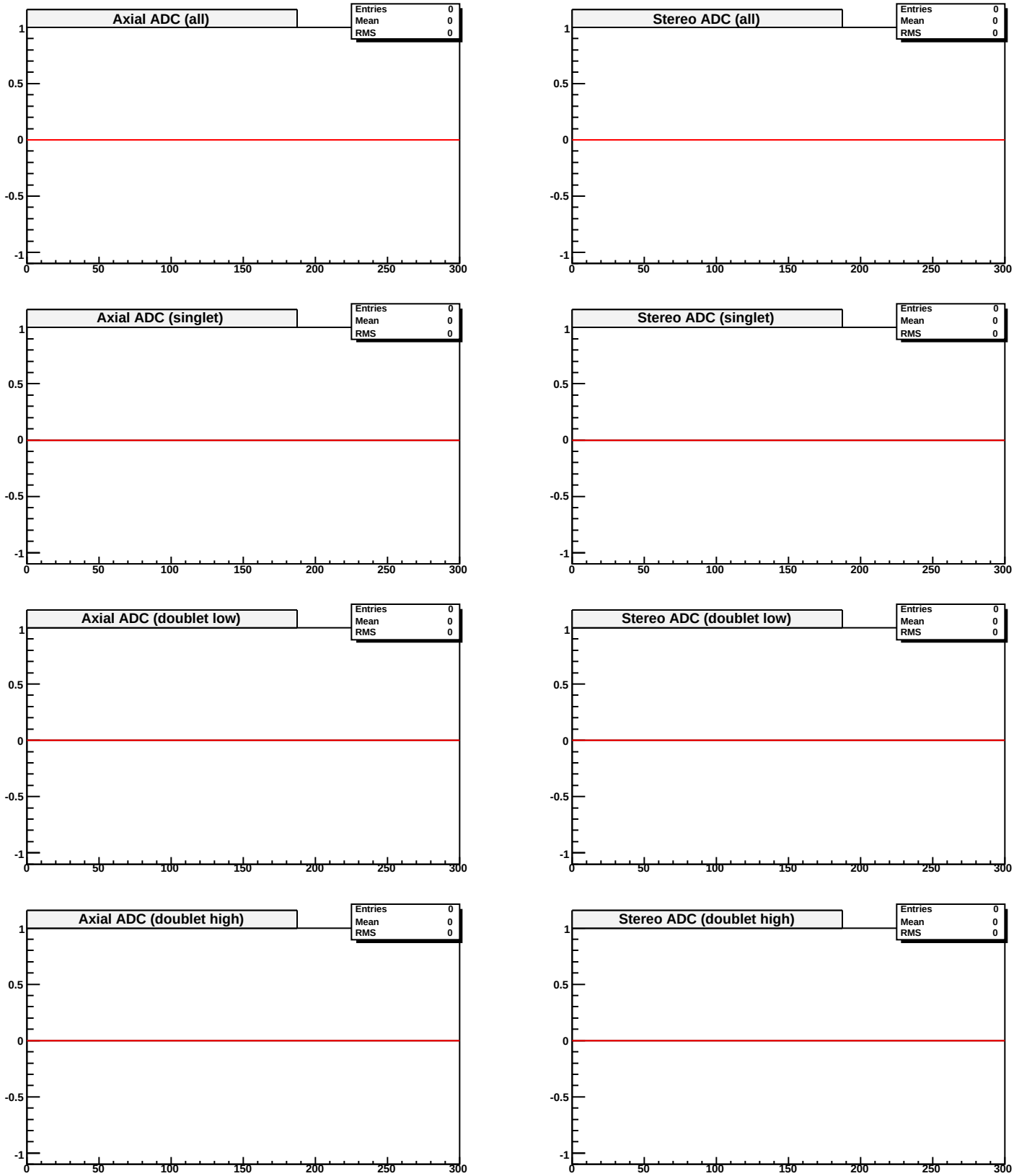
CFT Hit Fiber Discriminator (All Clusters)



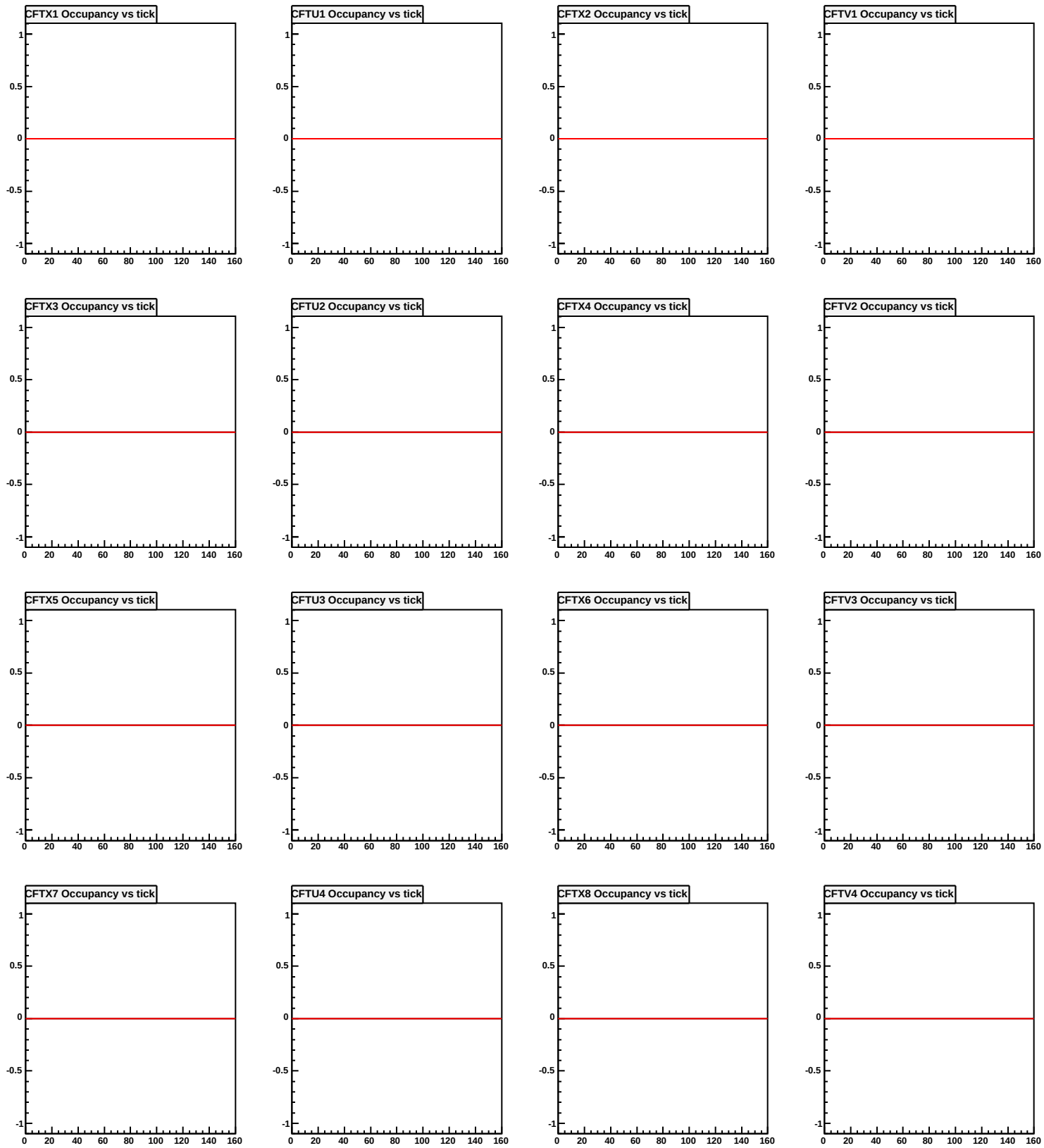
CFT Summary (Clusters on tracks)



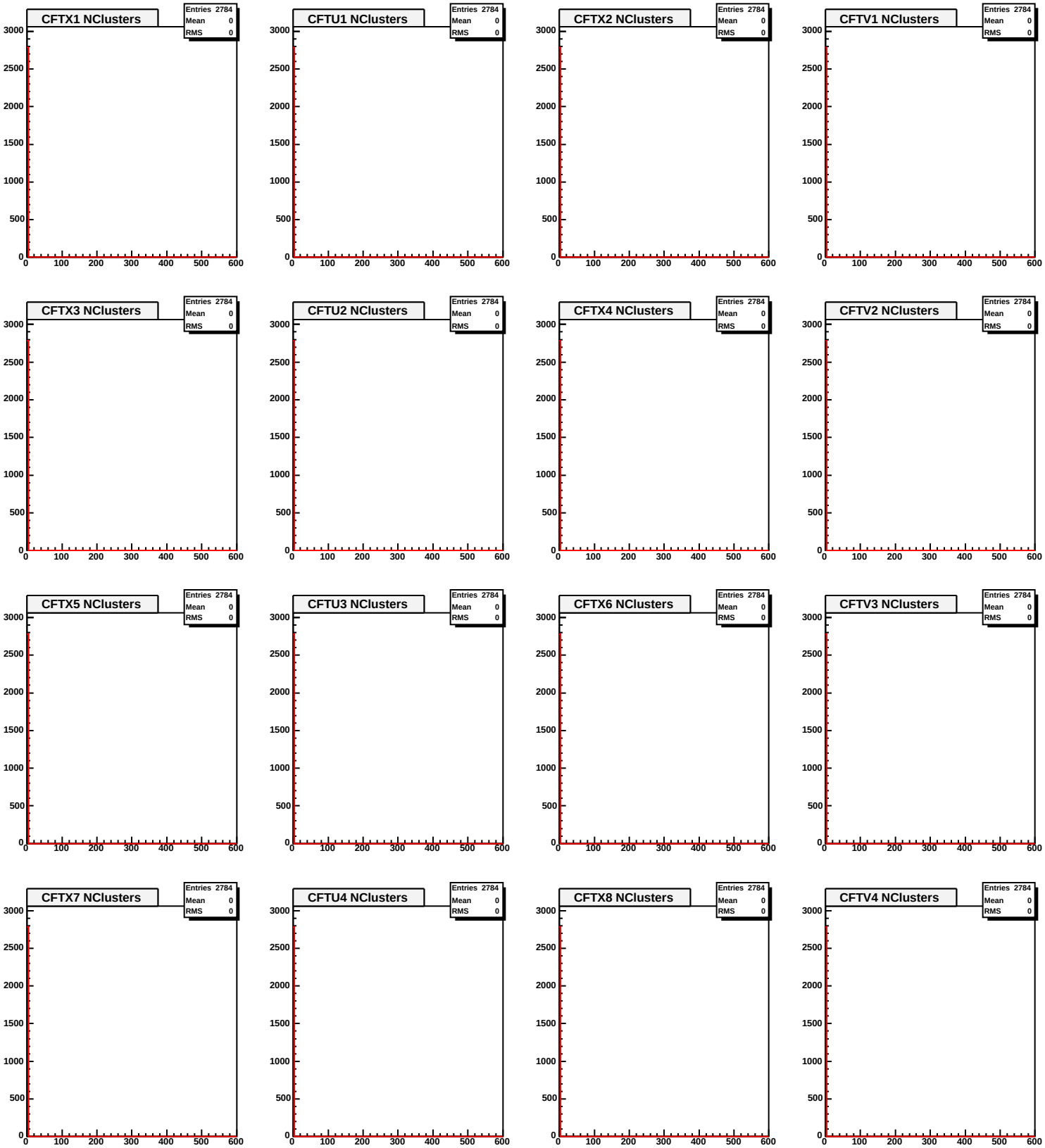
CFT Occupancy (Clusters on tracks)



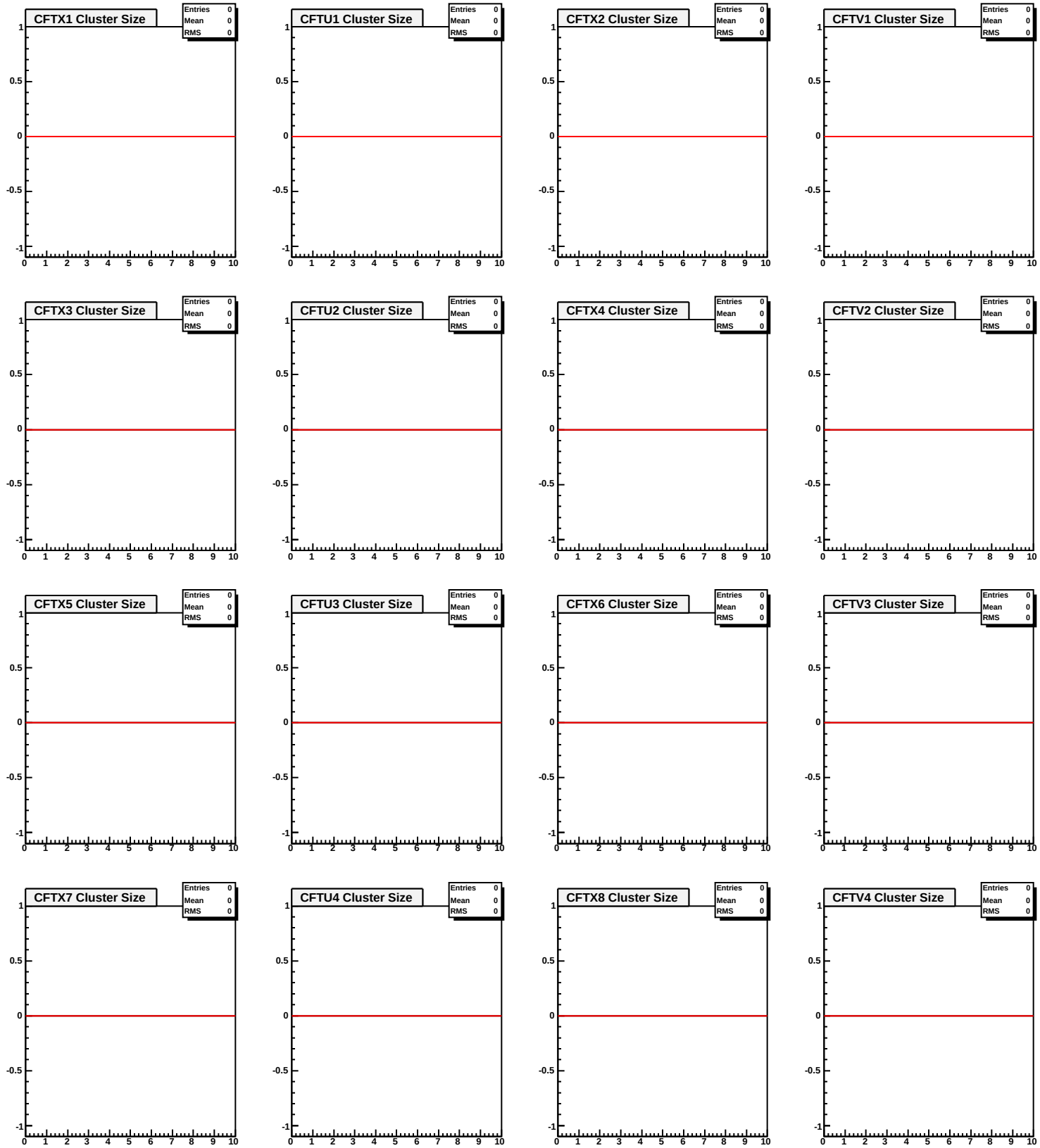
CFT ADC Summary (Clusters on tracks)



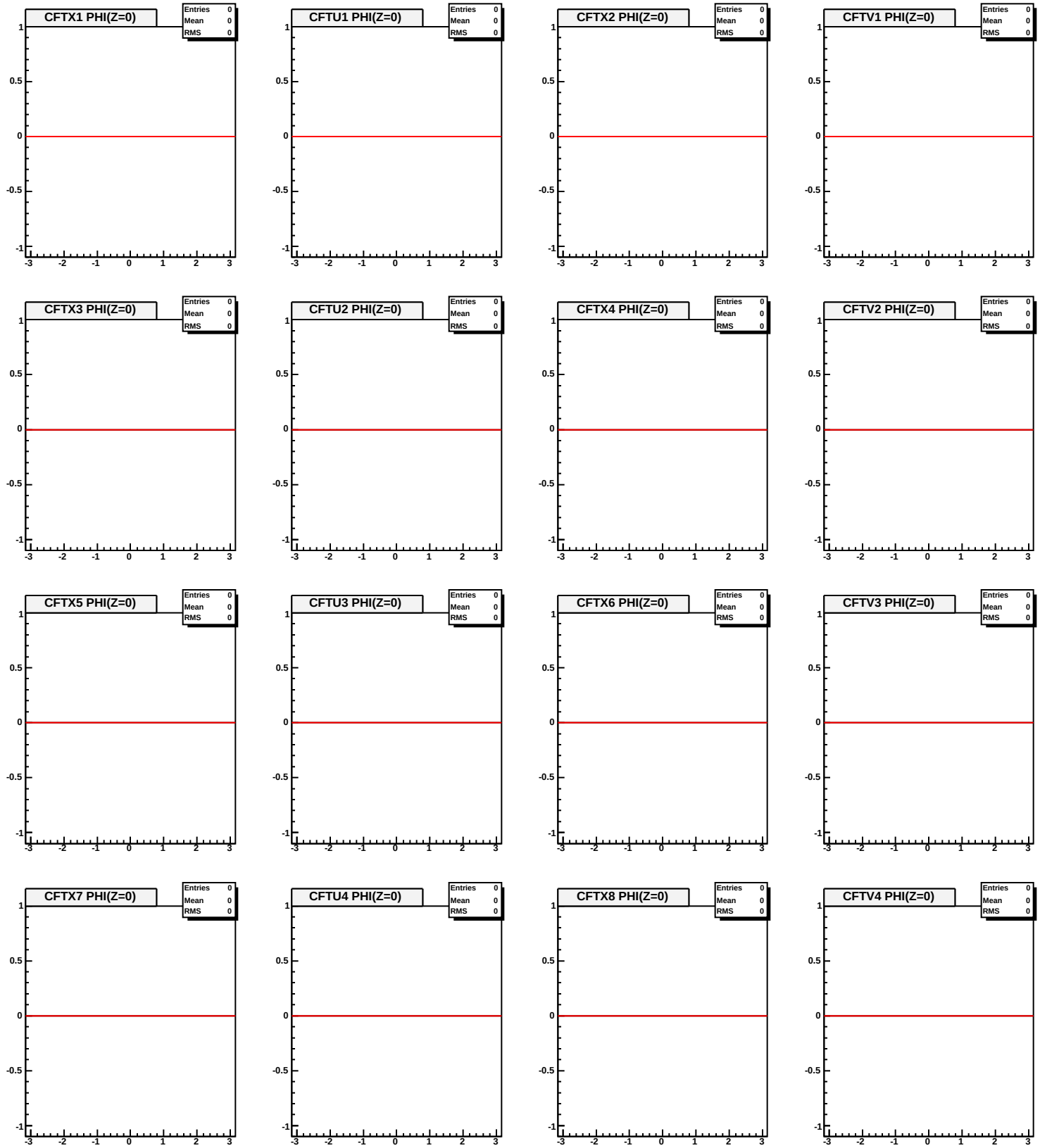
CFT Occupancy vs Tick (Clusters on tracks)



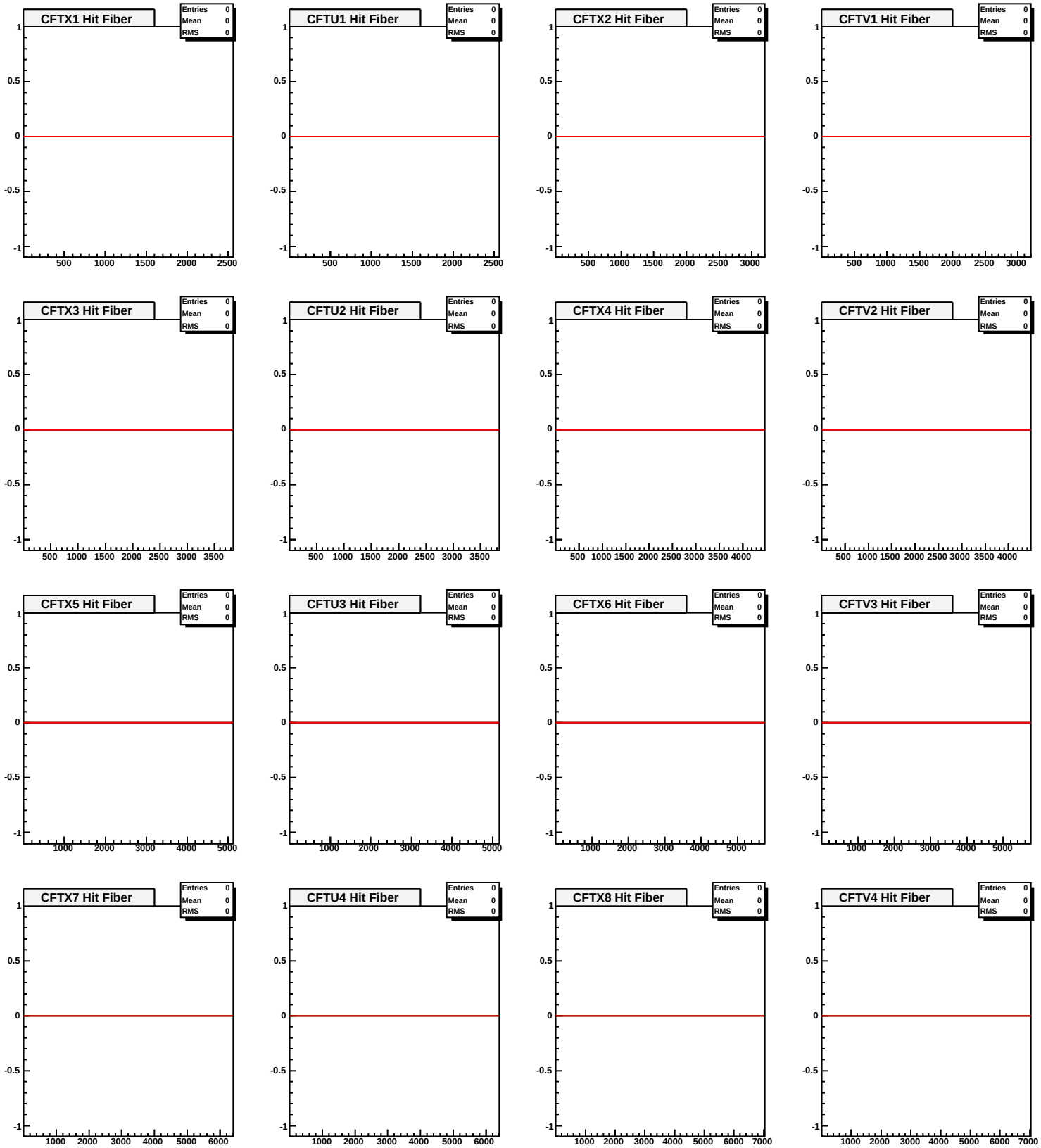
CFT NClusters (Clusters on tracks)



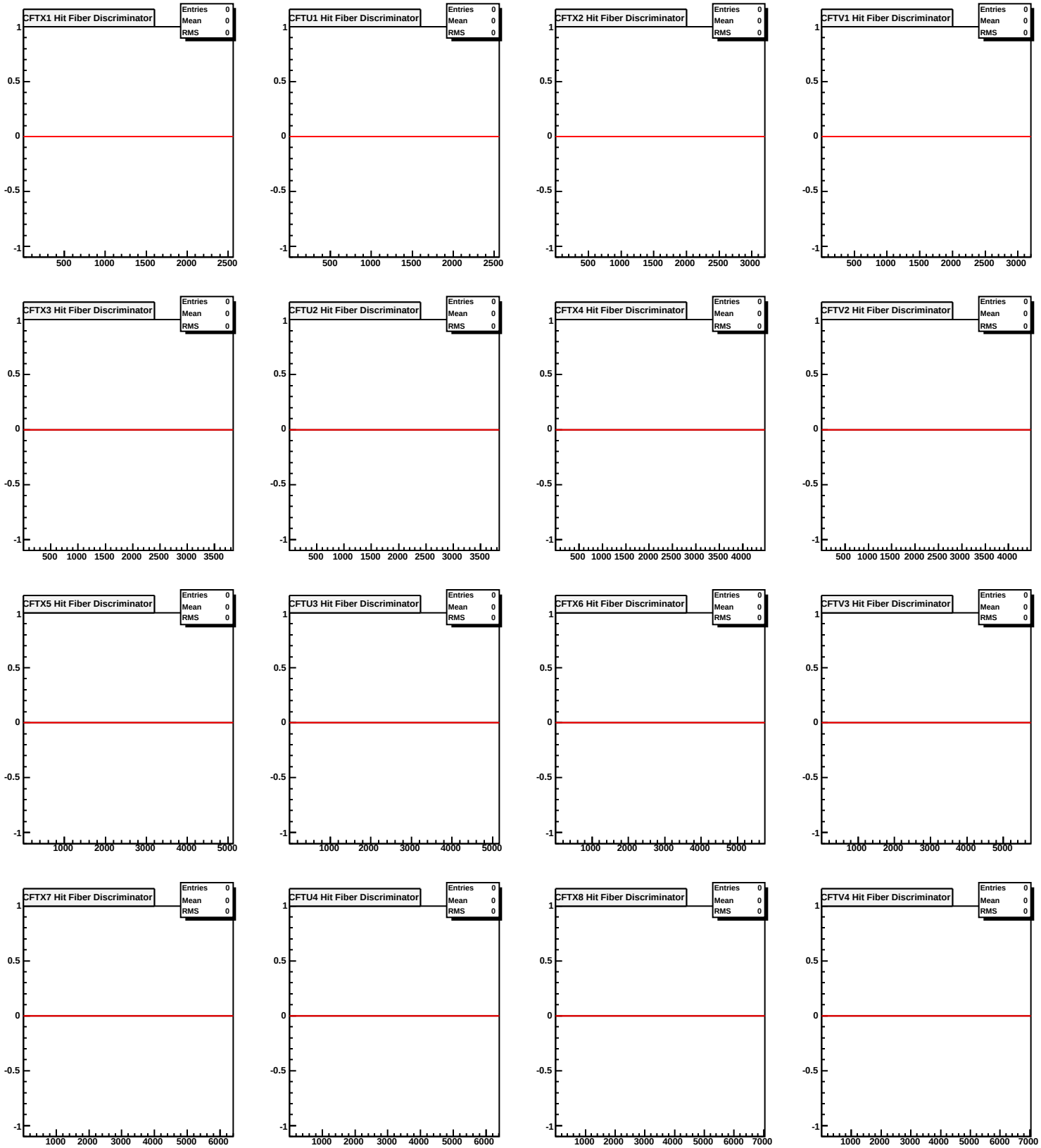
CFT Cluster Size (Clusters on tracks)



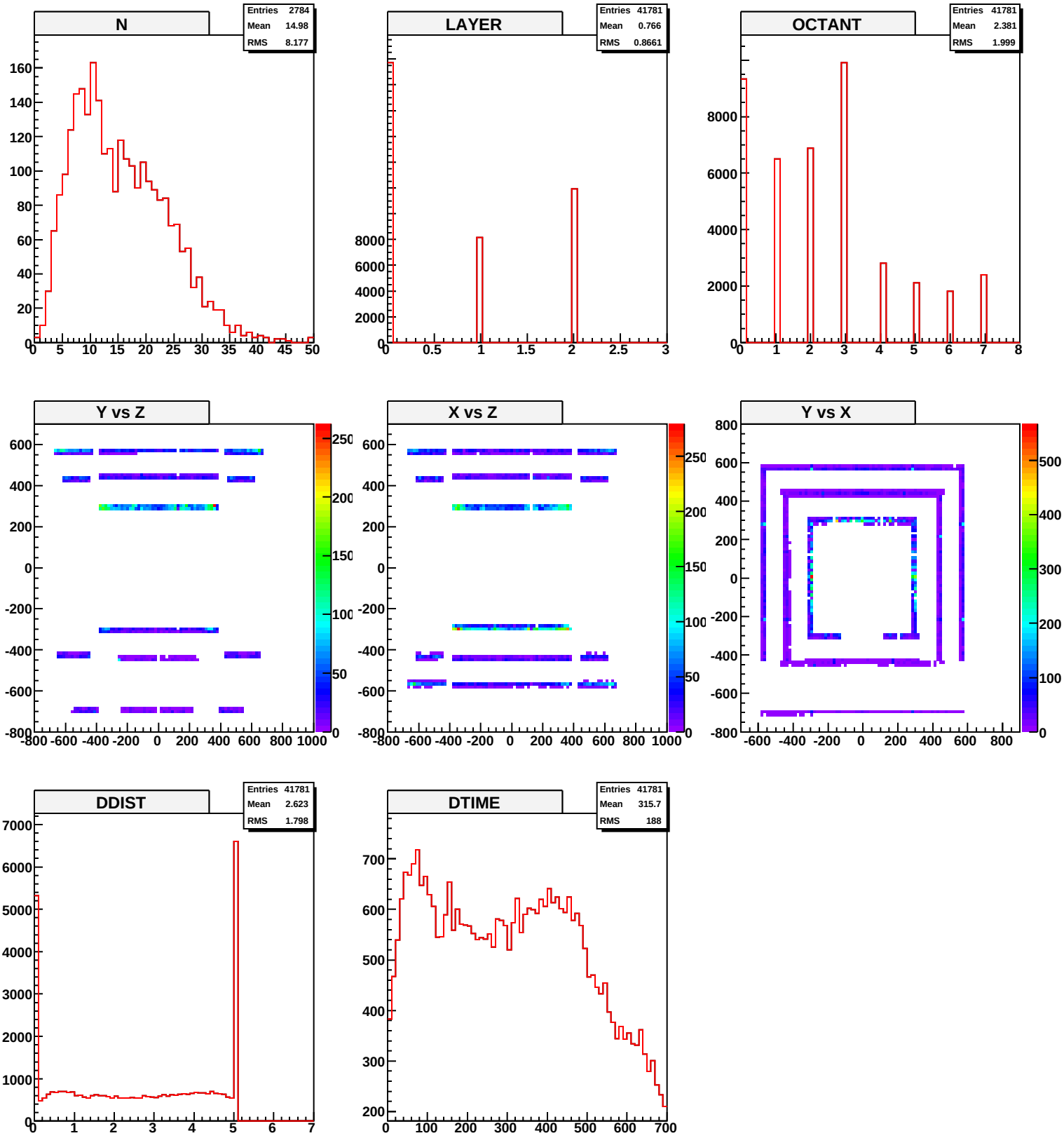
CFT PHI(Z=0) (Clusters on tracks)



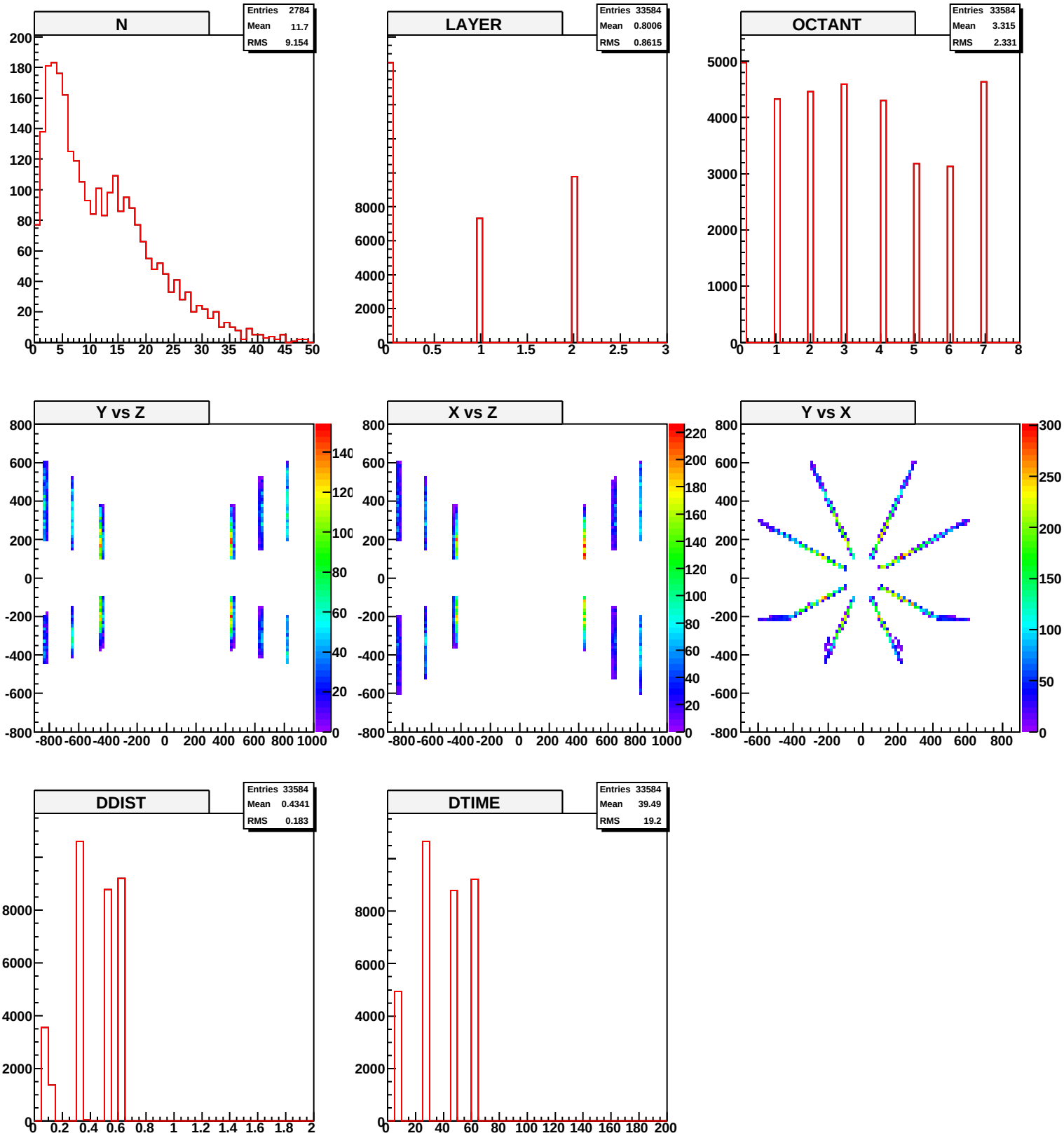
CFT Hit Fiber (Clusters on tracks)



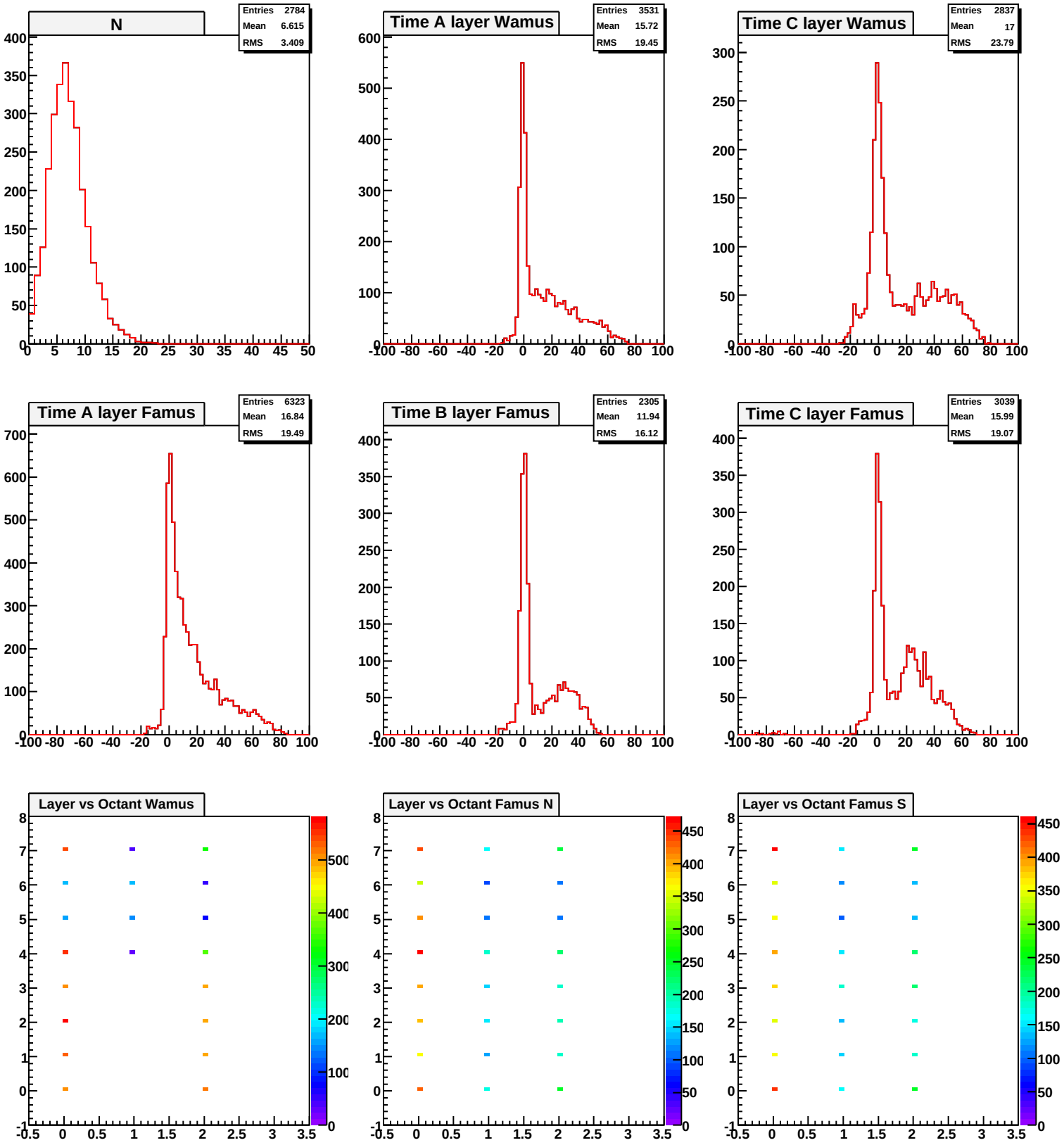
CFT Hit Fiber Discriminator (Clusters on tracks)


N
Entries 2784
Mean 14.98
RMS 8.177
LAYER
Entries 41781
Mean 0.766
RMS 0.8661
OCTANT
Entries 41781
Mean 2.381
RMS 1.999
Y vs Z
X vs Z
Y vs X
DDIST
Entries 41781
Mean 2.623
RMS 1.798
DTIME
Entries 41781
Mean 315.7
RMS 188

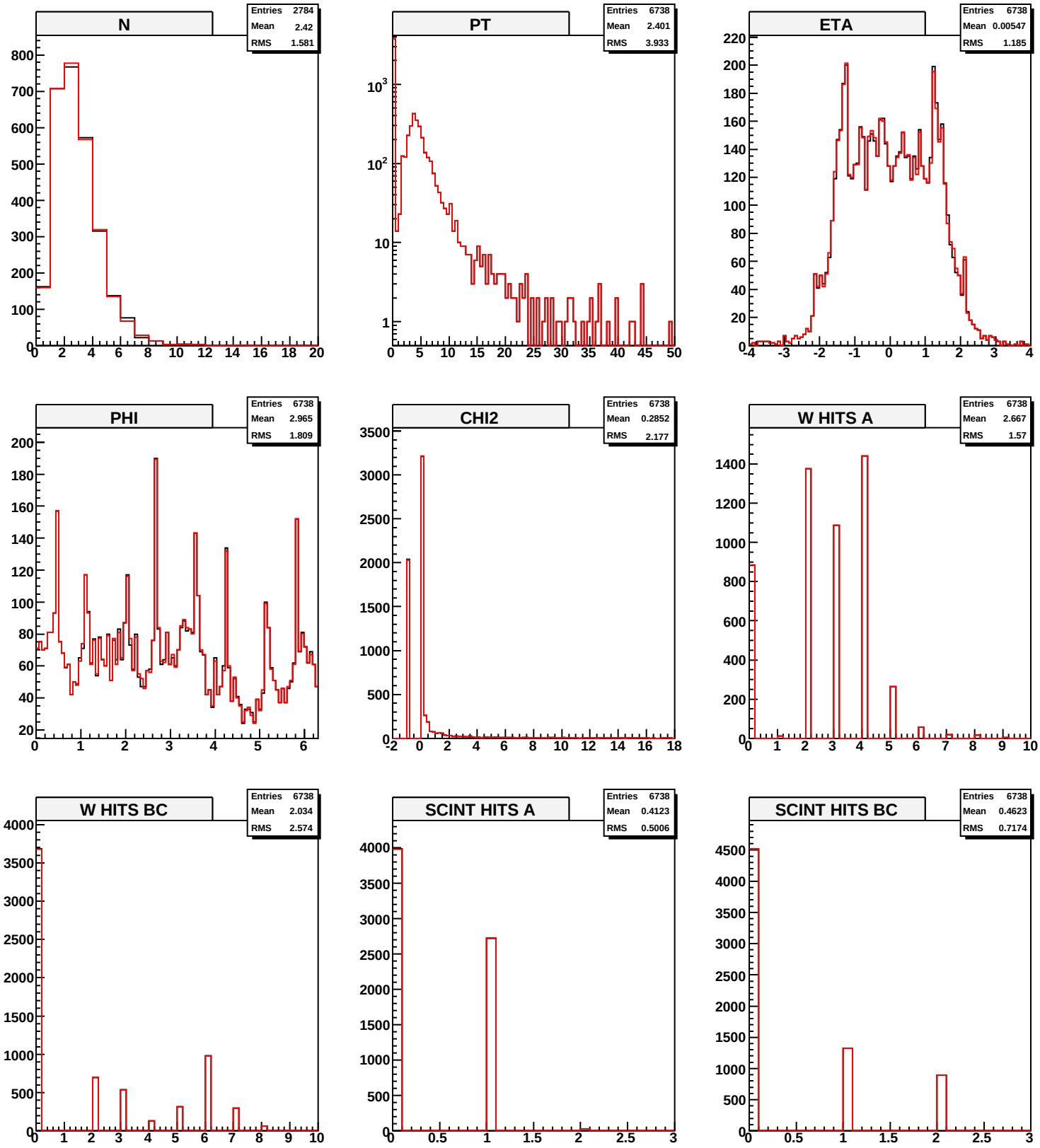
MuonPDT (All)


N
Entries 2784
Mean 11.7
RMS 9.154
LAYER
Entries 33584
Mean 0.8006
RMS 0.8615
OCTANT
Entries 33584
Mean 3.315
RMS 2.331
Y vs Z
X vs Z
Y vs X
DDIST
Entries 33584
Mean 0.4341
RMS 0.183
DTIME
Entries 33584
Mean 39.49
RMS 19.2

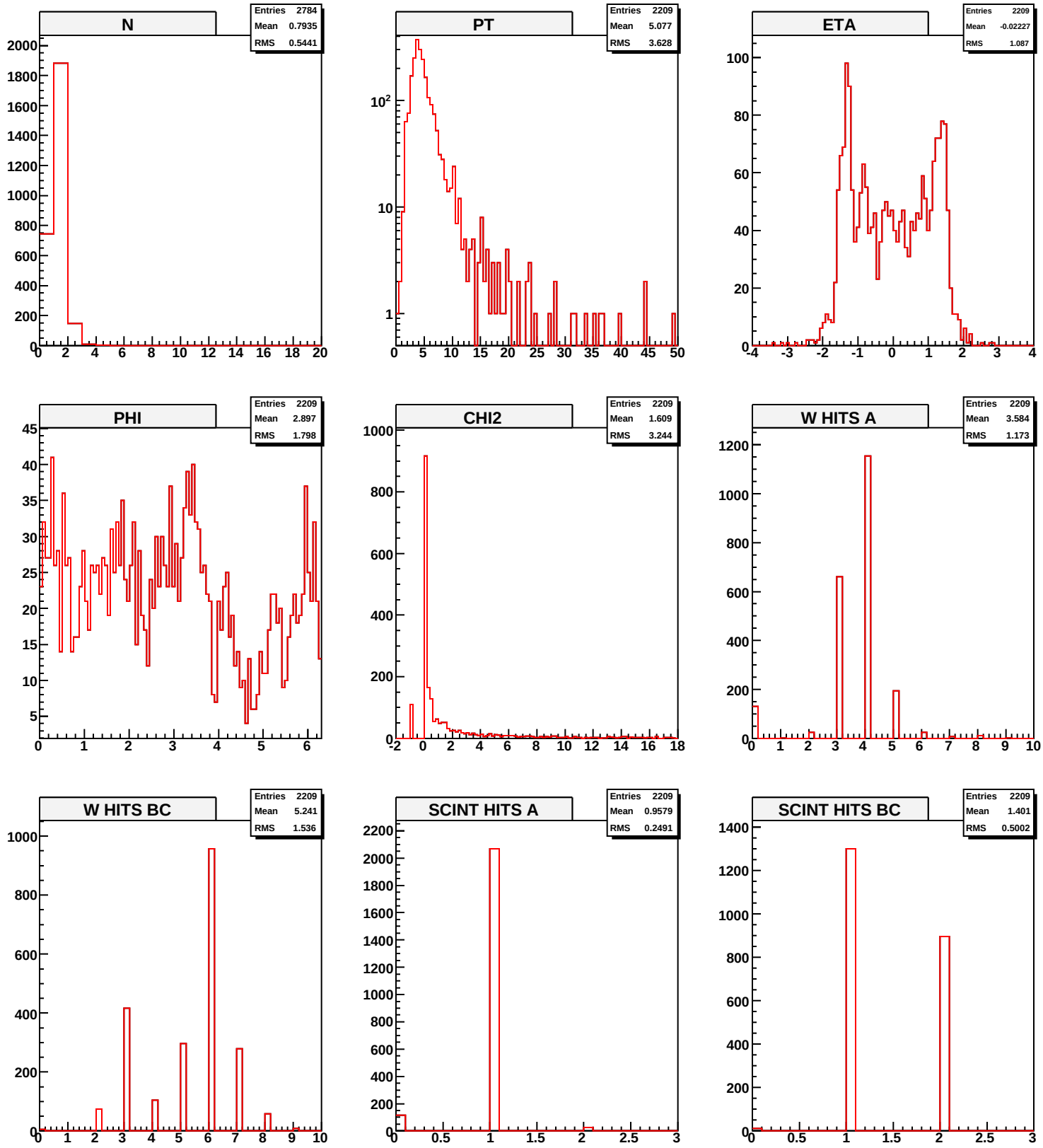
MuonMDT (All)


N
Entries 2784
Mean 6.615
RMS 3.409
Time A layer Wamus
Entries 3531
Mean 15.72
RMS 19.45
Time C layer Wamus
Entries 2837
Mean 17
RMS 23.79
Time A layer Famus
Entries 6323
Mean 16.84
RMS 19.49
Time B layer Famus
Entries 2305
Mean 11.94
RMS 16.12
Time C layer Famus
Entries 3039
Mean 15.99
RMS 19.07
Layer vs Octant Wamus
Layer vs Octant Famus N
Layer vs Octant Famus S

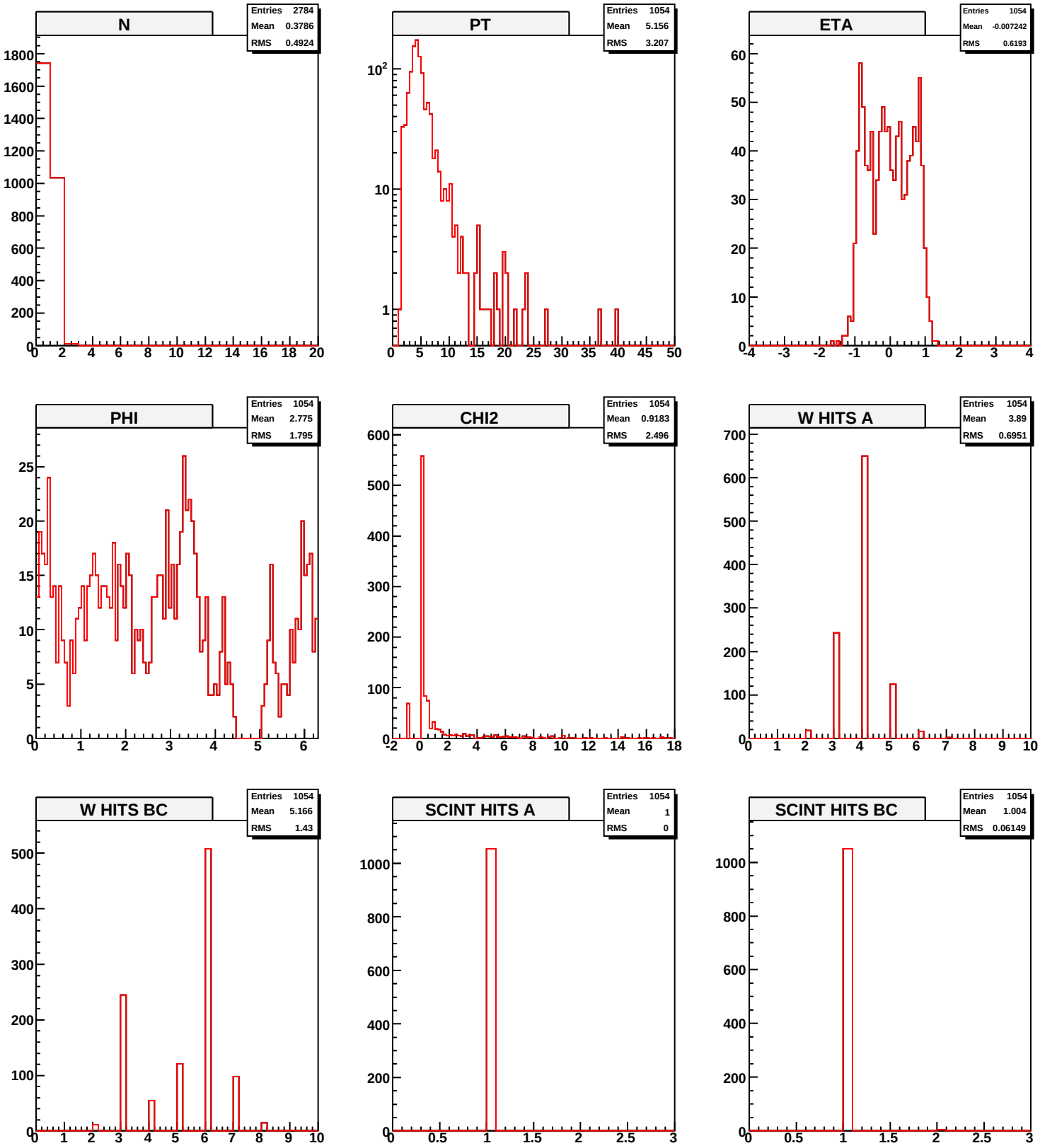
MuonMSC (All)



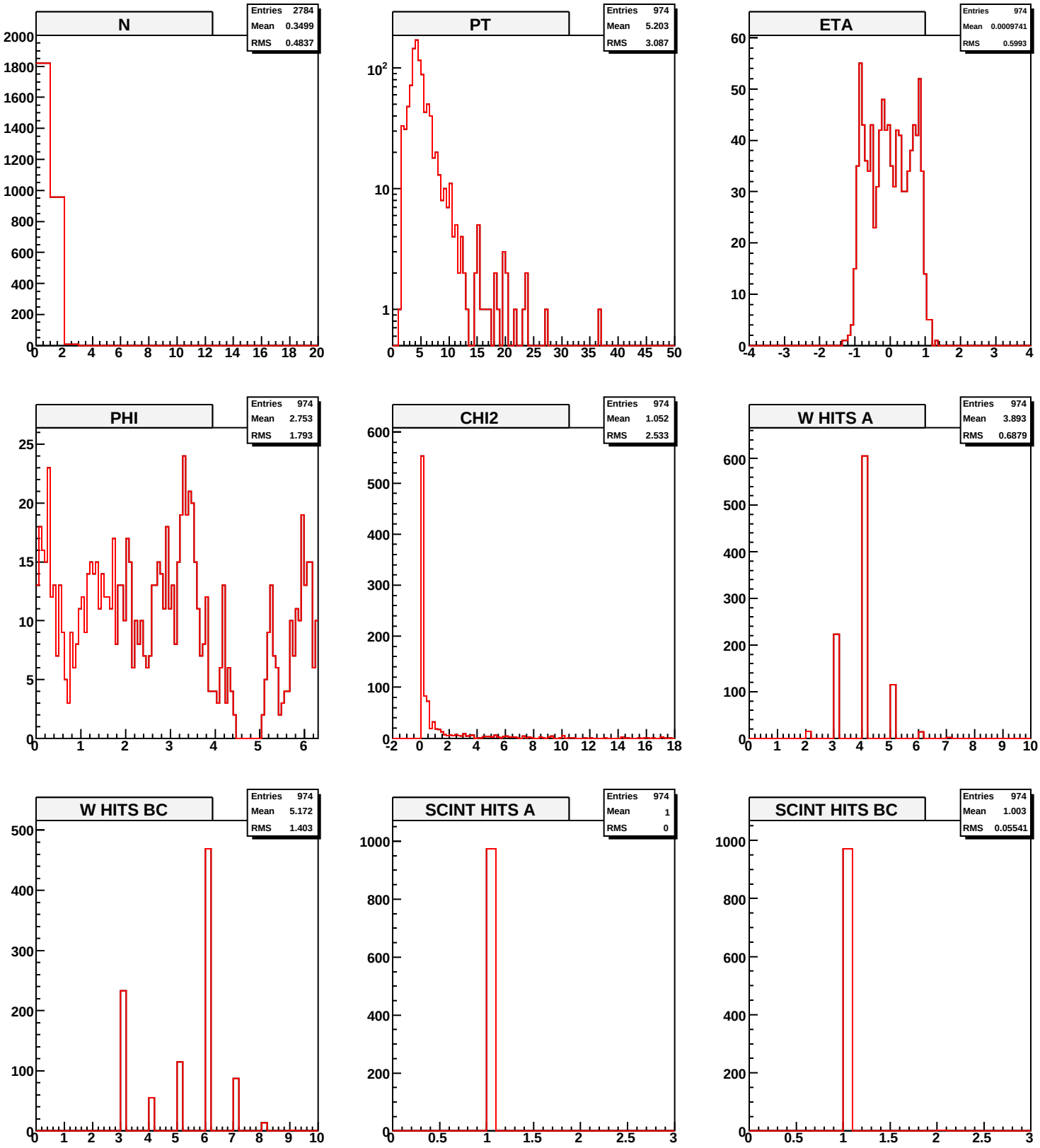
Muon Local Tracks (All)



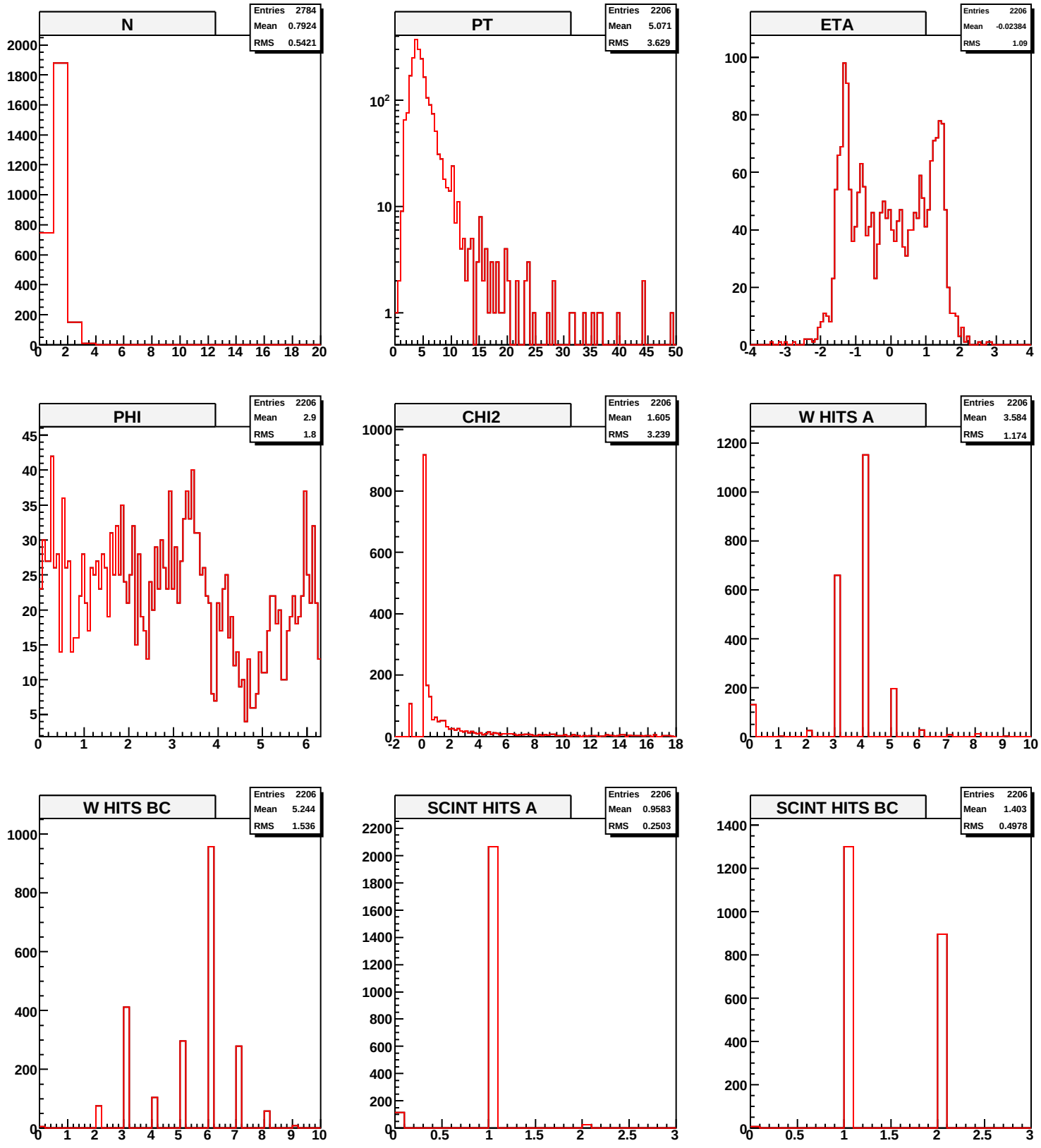
Muon Local Tracks (LooseWamus)



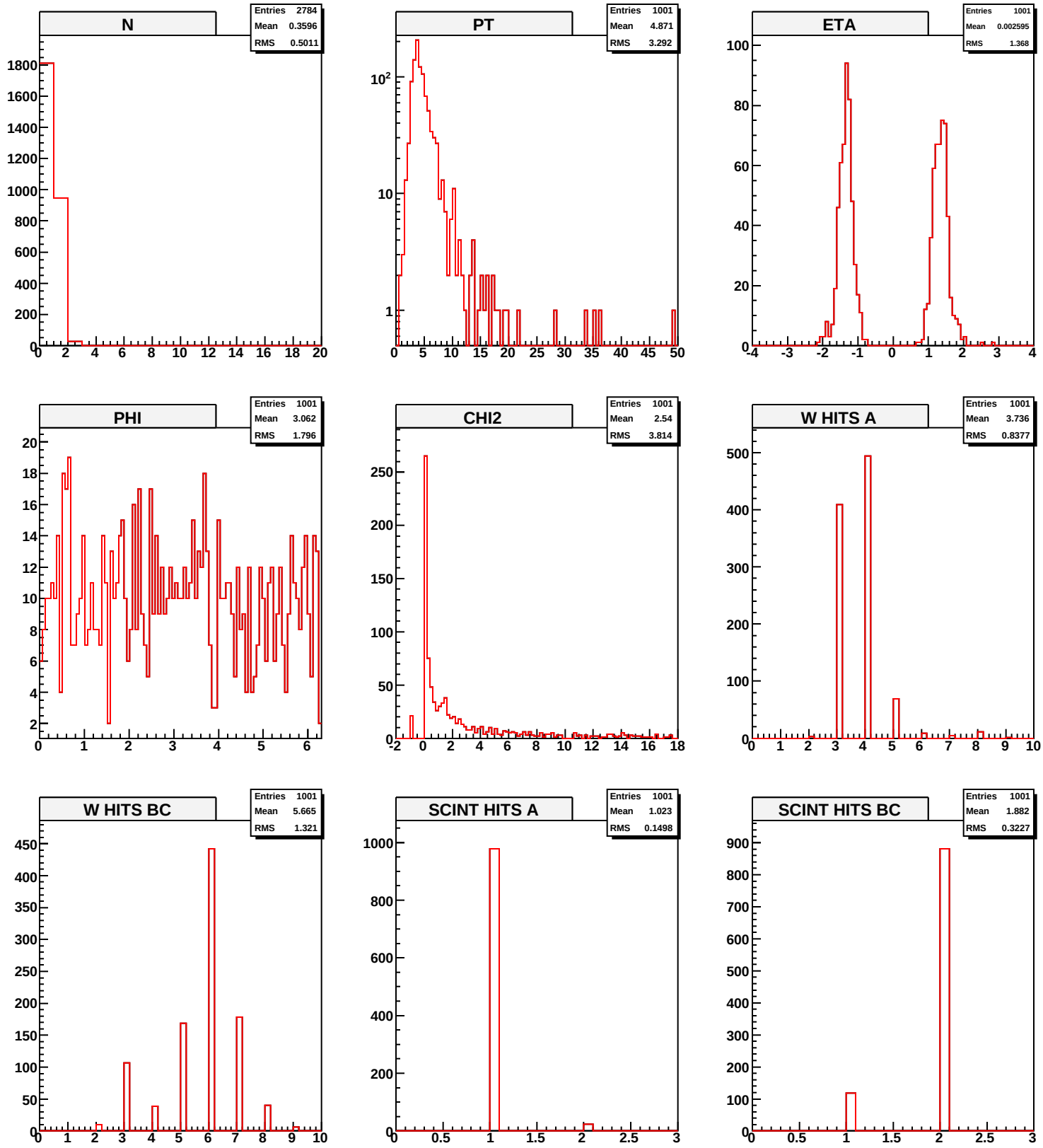
Muon Local Tracks (MediumWamus)



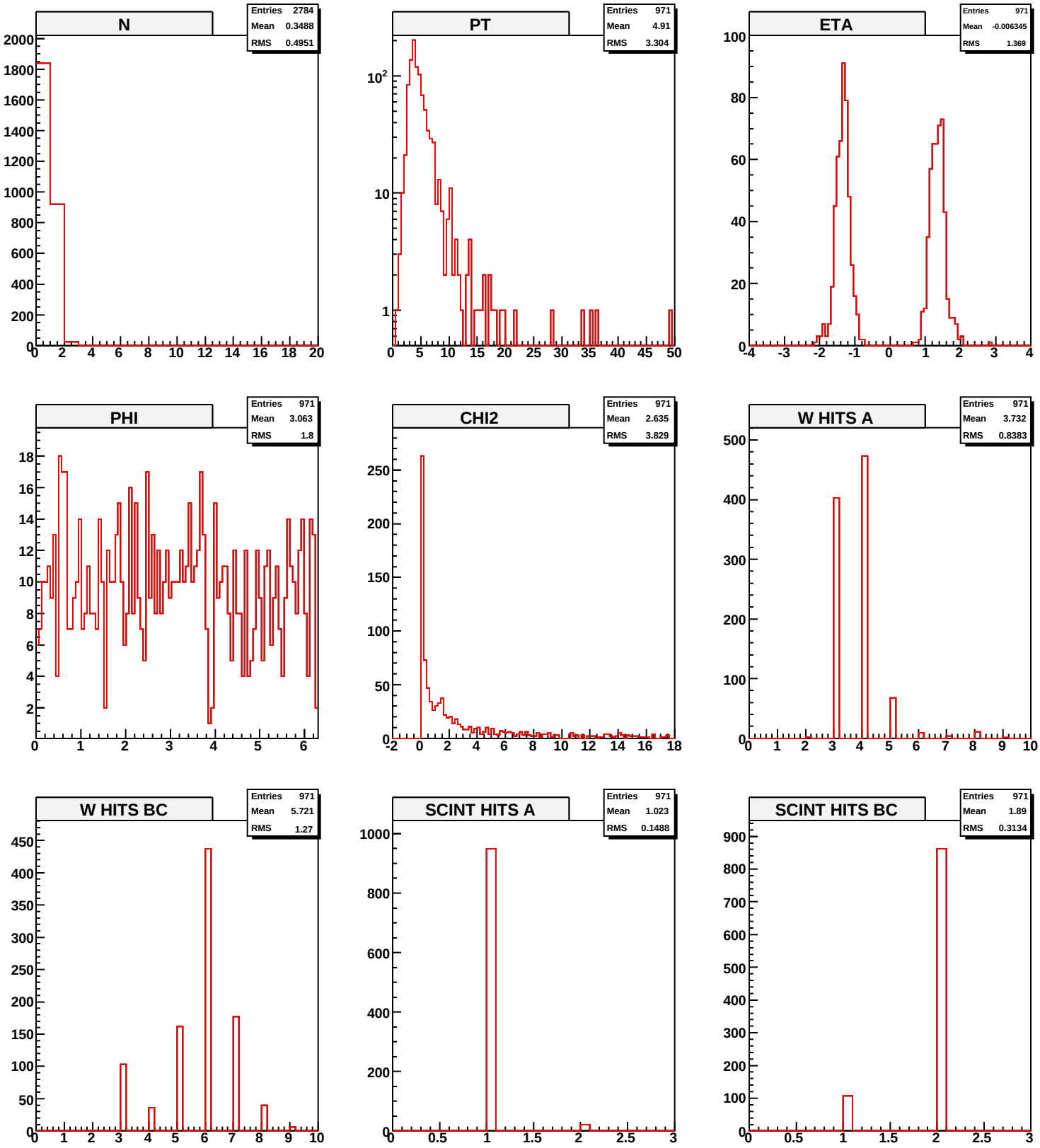
Muon Local Tracks (TightWamus)



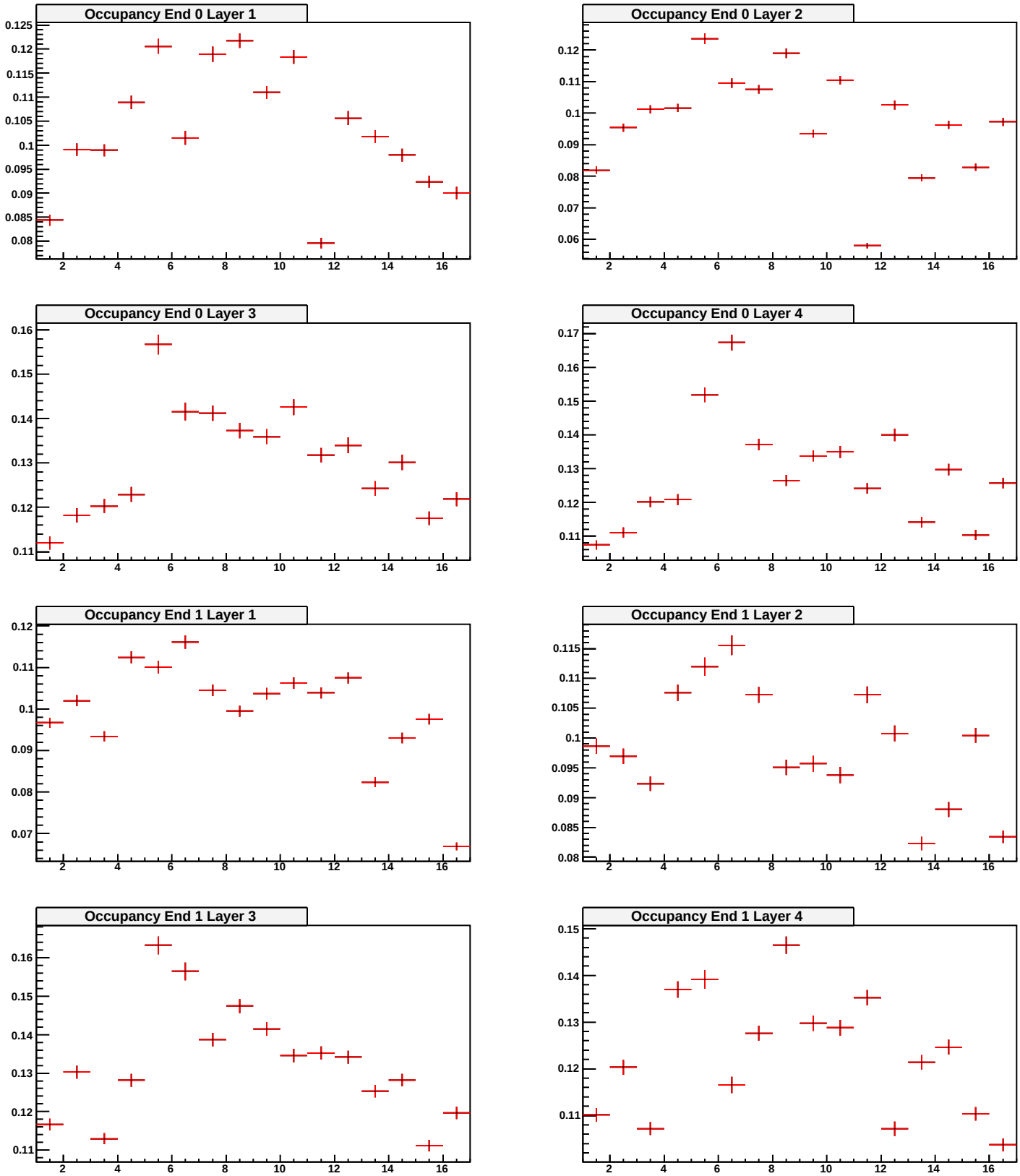
Muon Local Tracks (LooseFamus)



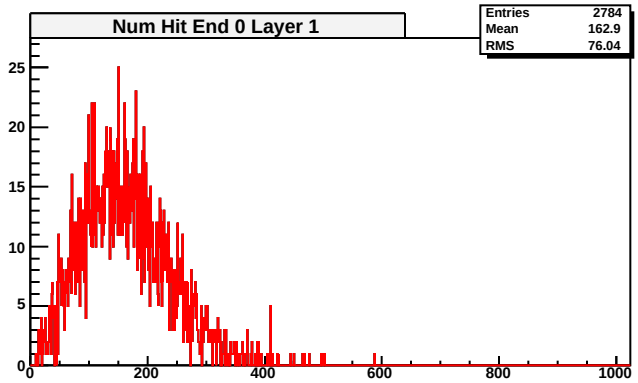
Muon Local Tracks (MediumFamus)

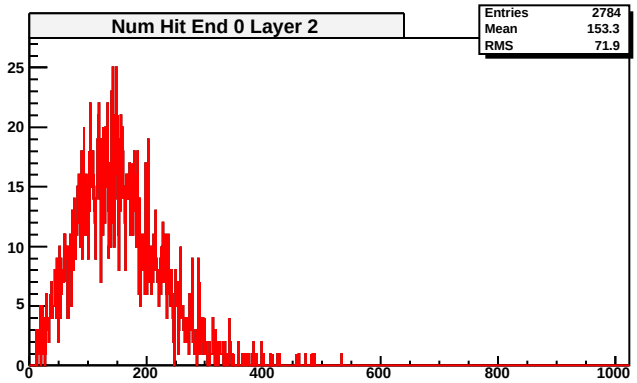


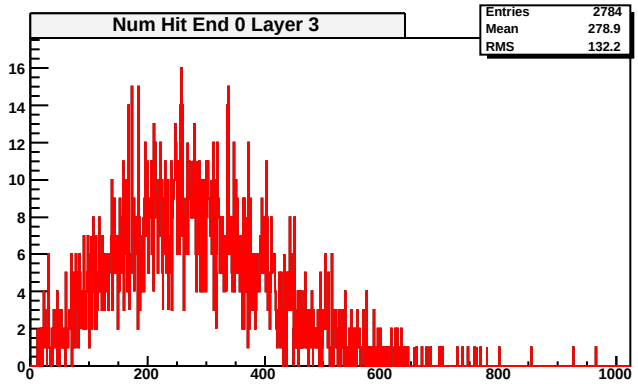
Muon Local Tracks (TightFamus)

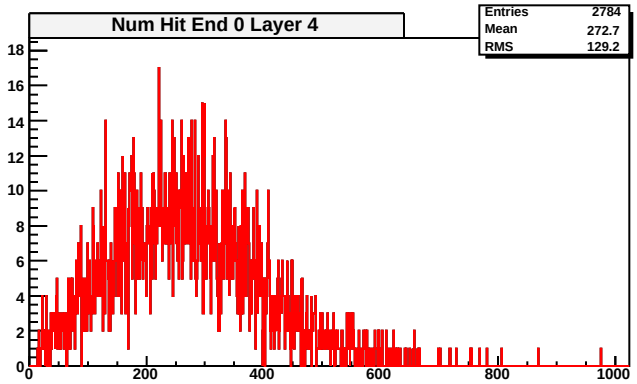


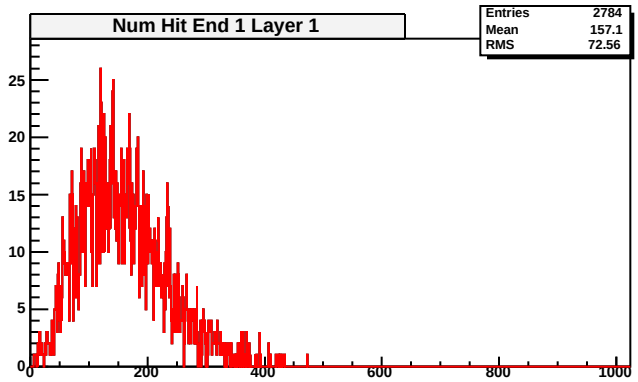
FPS Hit Occupancy (All)

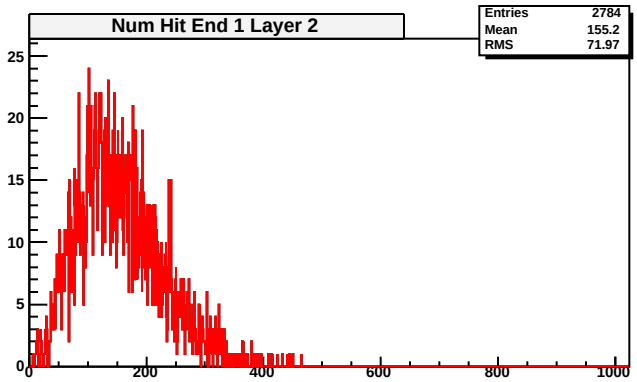


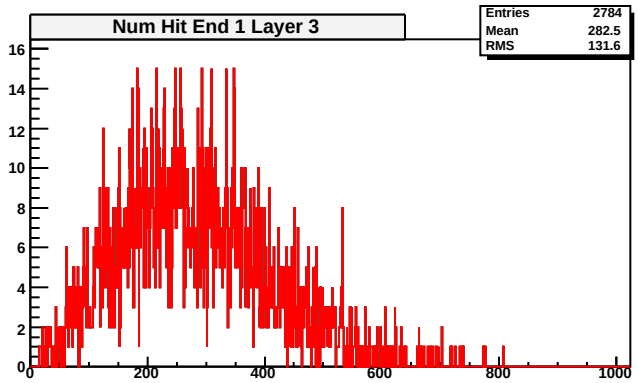


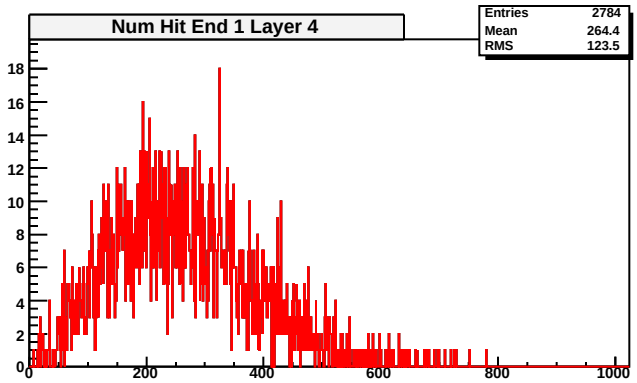




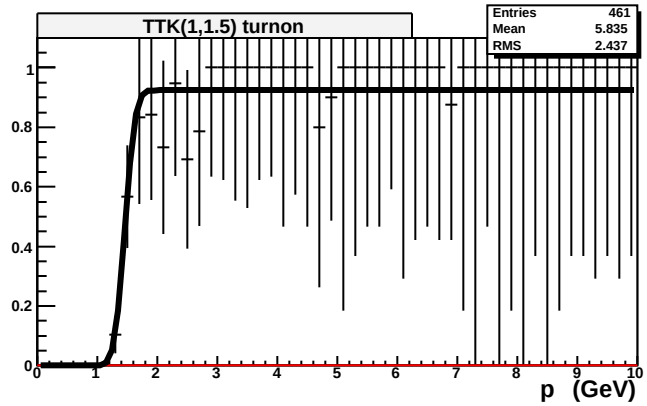


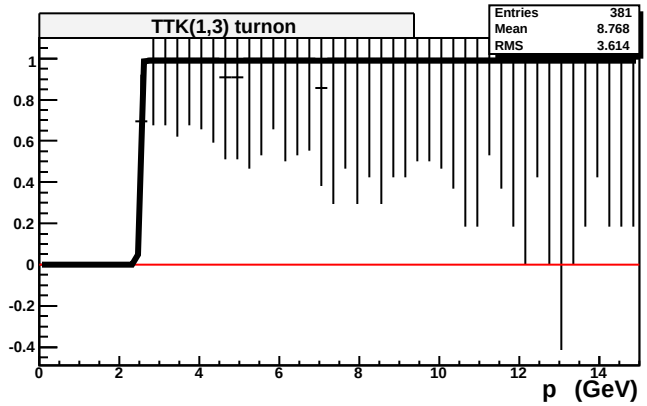


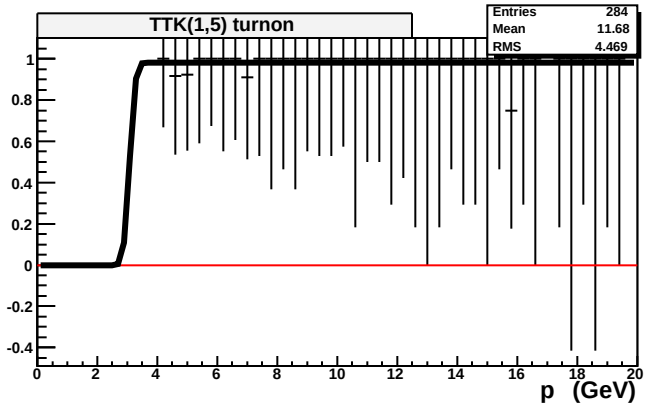


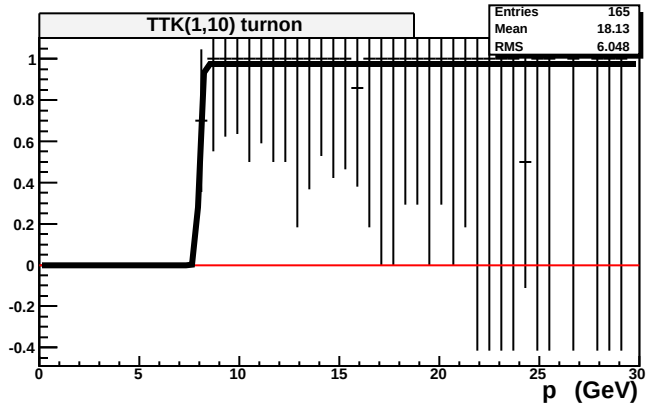


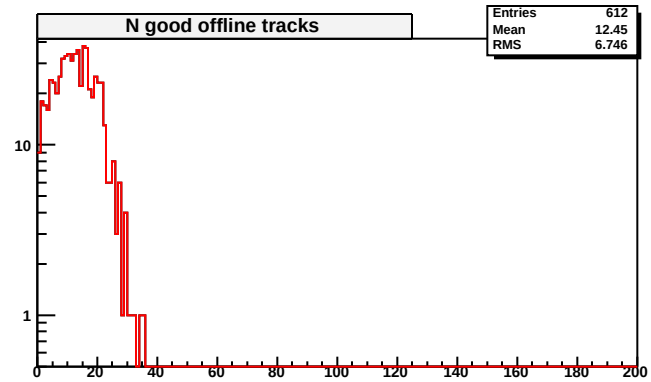
FPS Number of Hits (All)

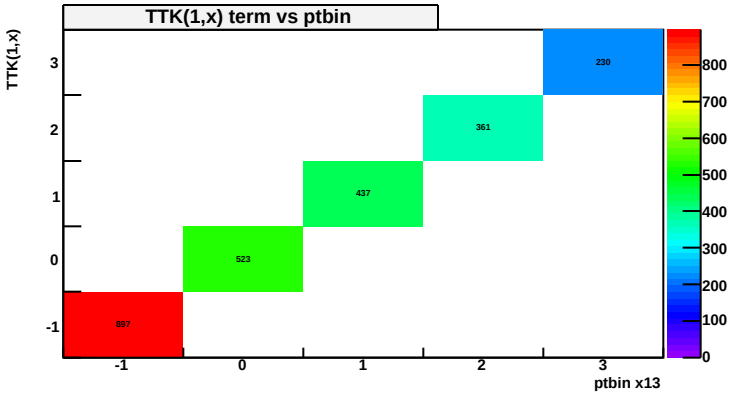


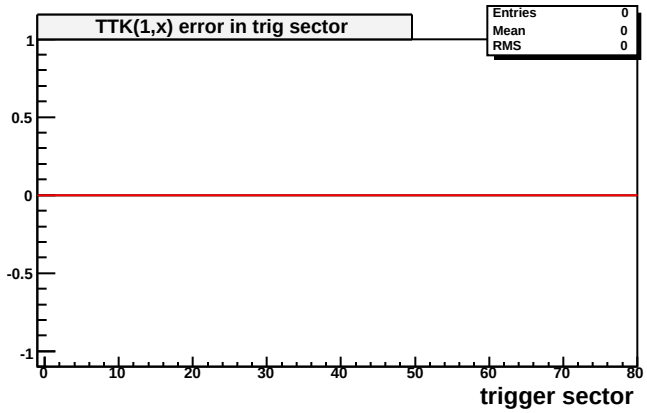


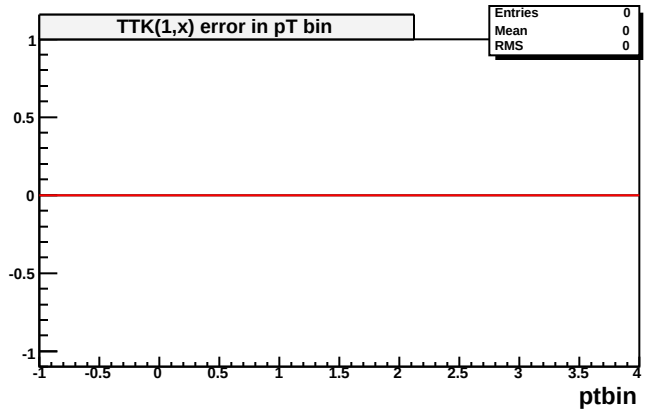




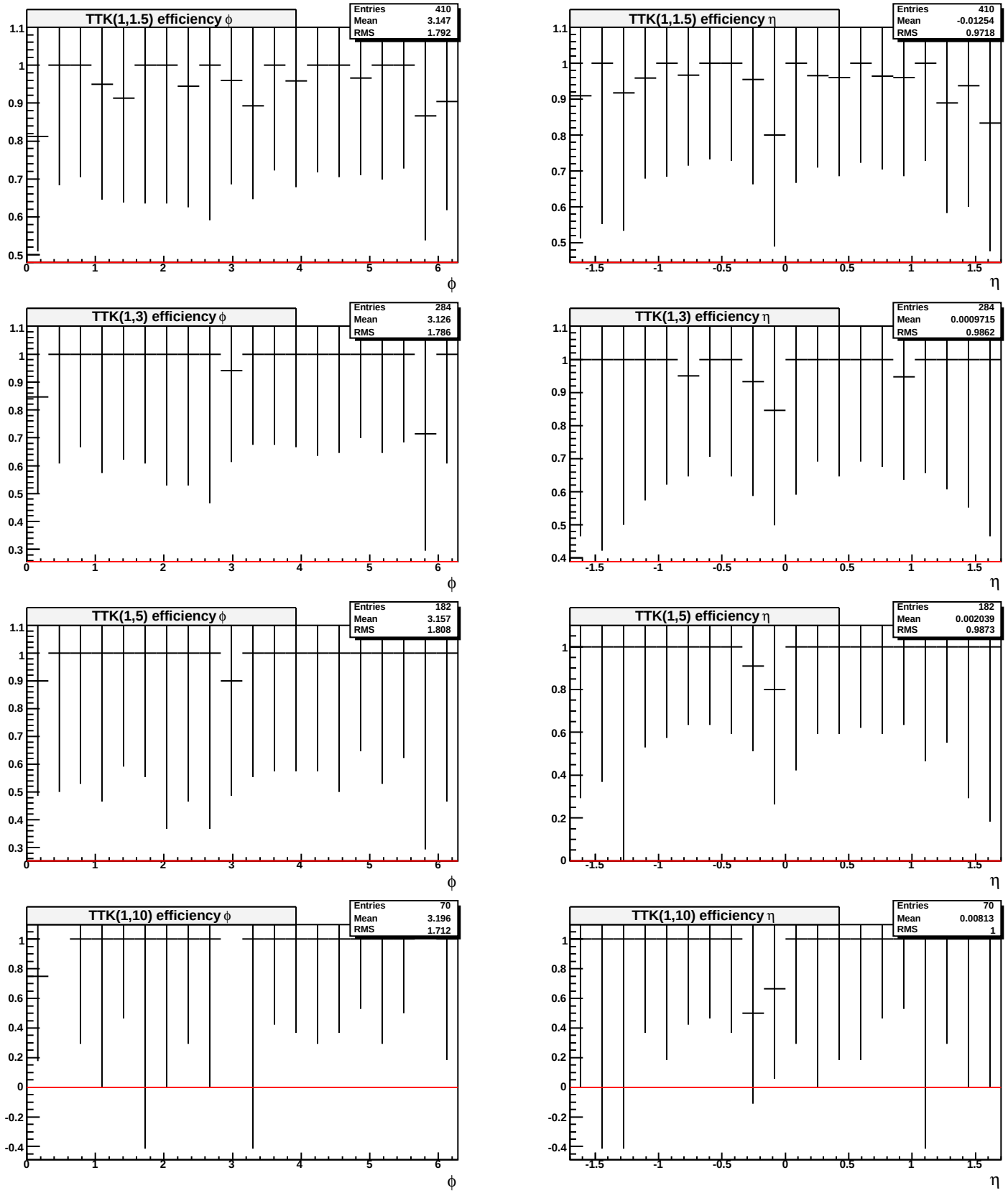




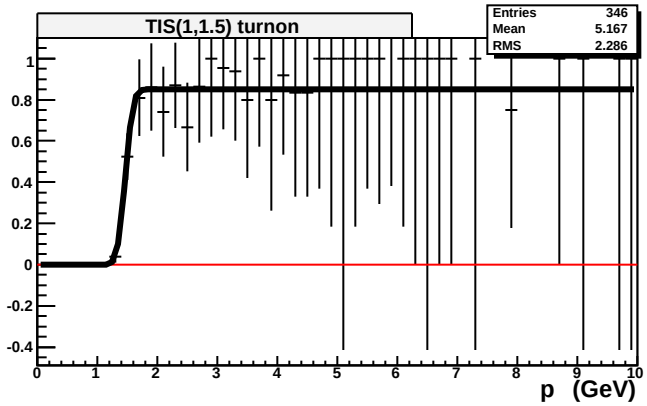


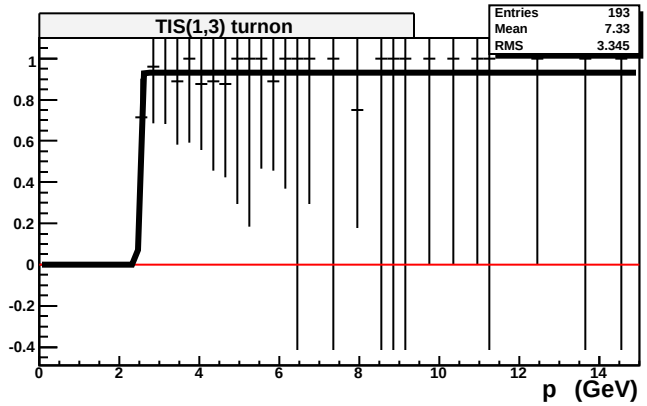


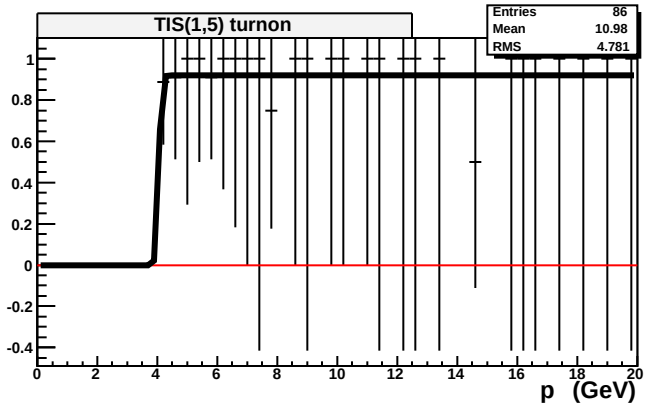
TTK (L1CTT All)

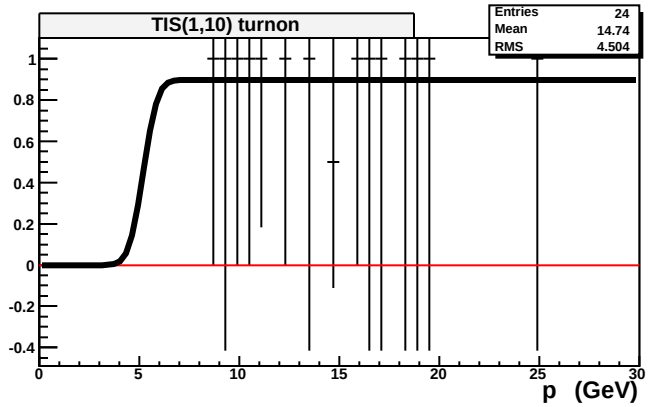


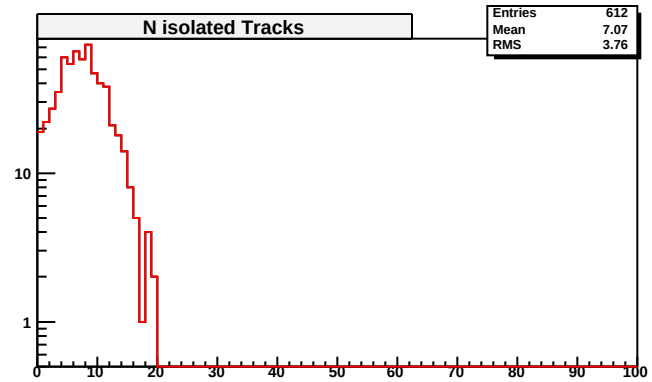
TTK phi/eta (L1CTT All)

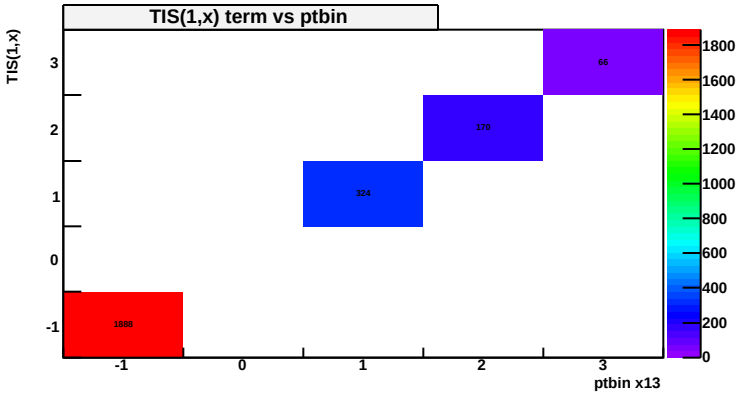


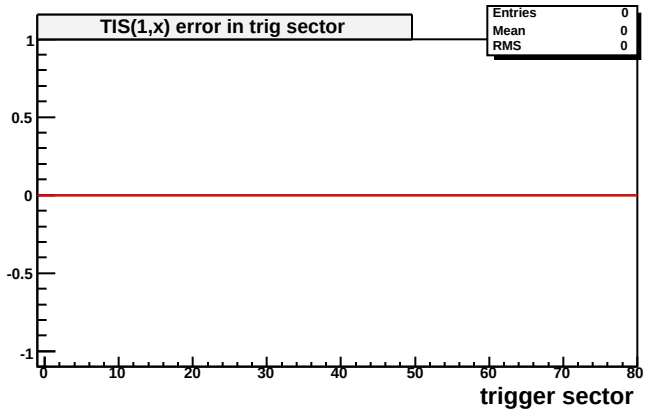


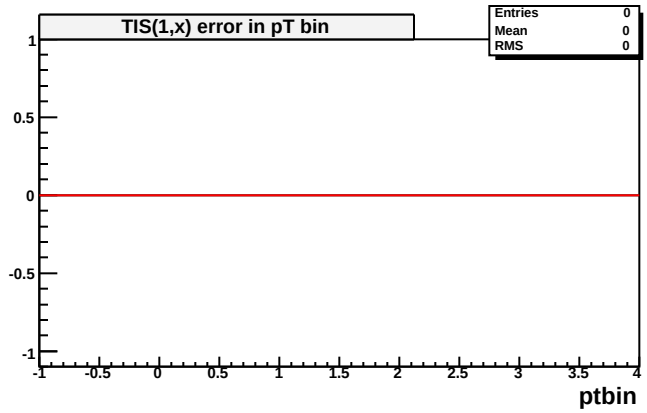




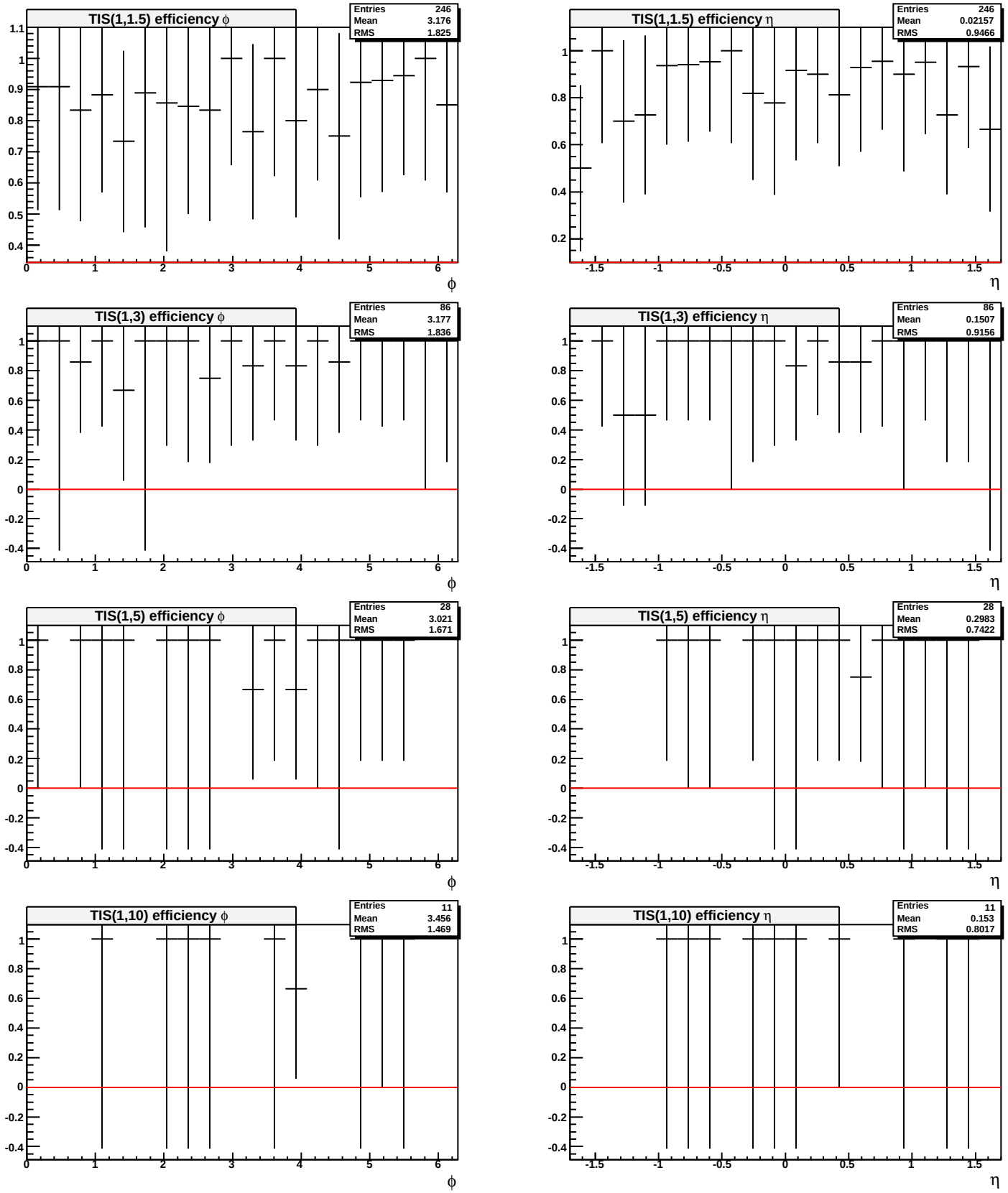




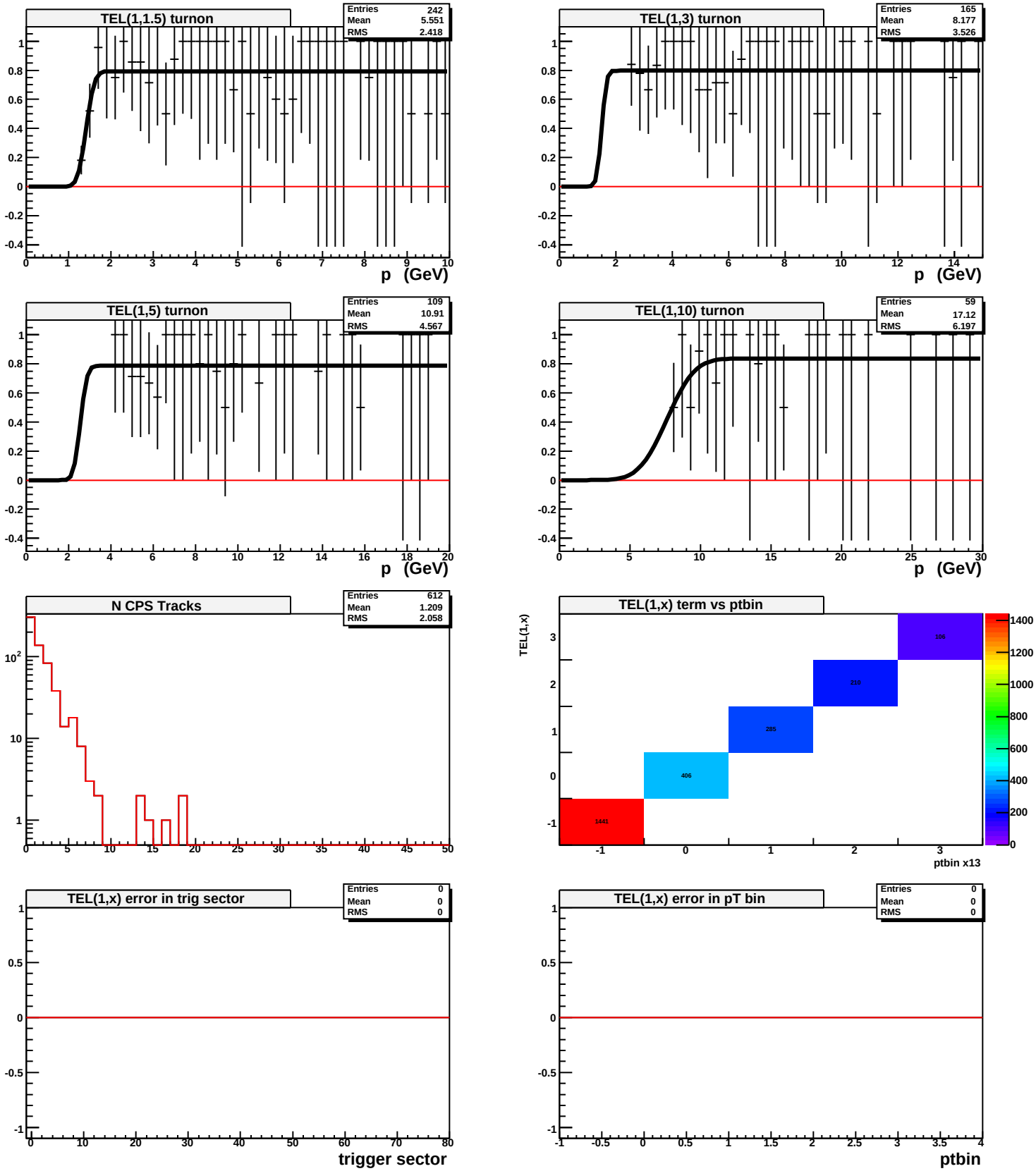




TIS (L1CTT All)



TIS phi/eta (L1CTT All)



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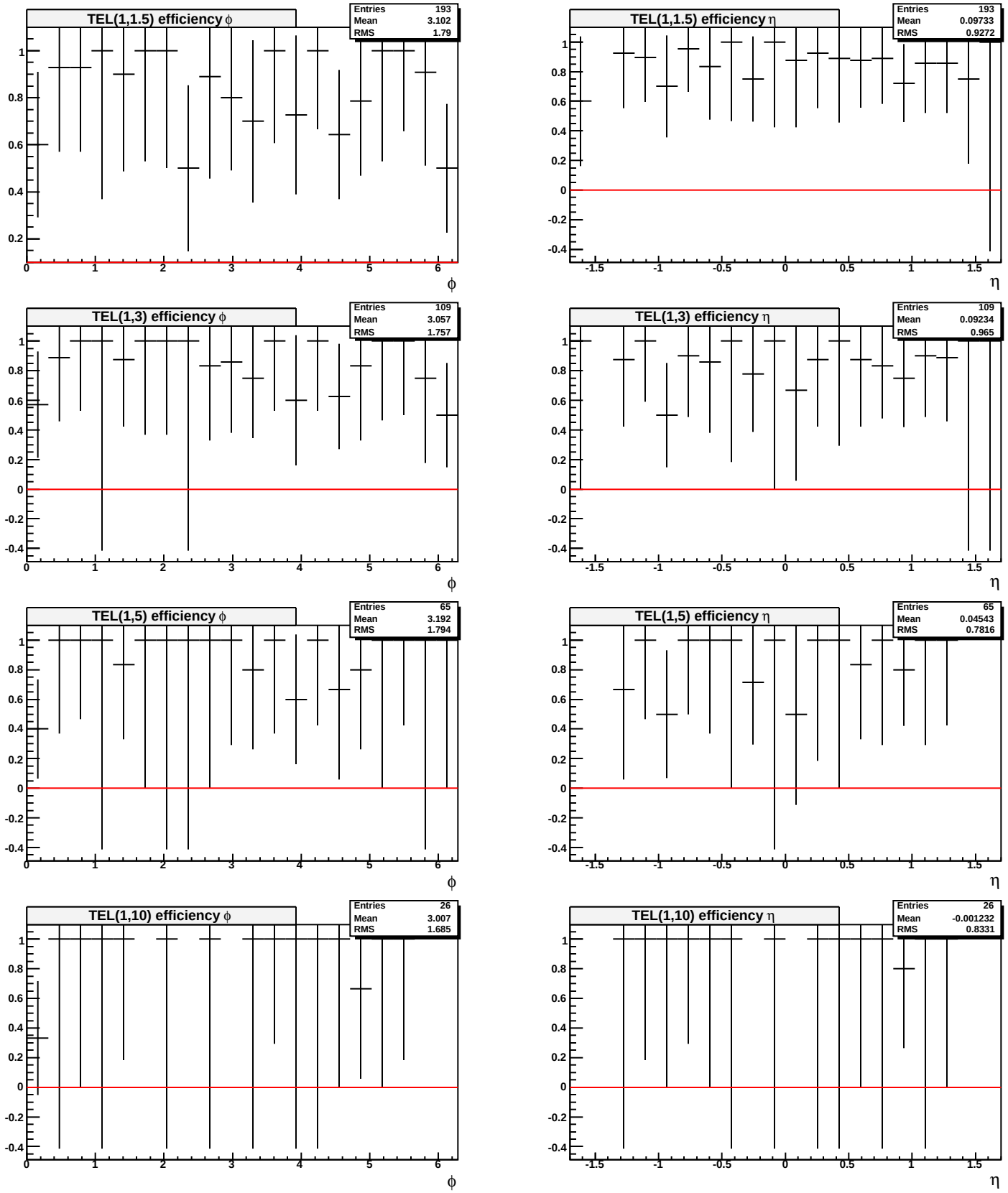
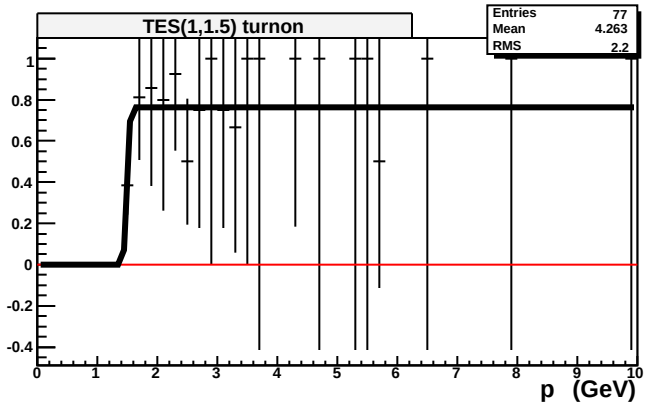
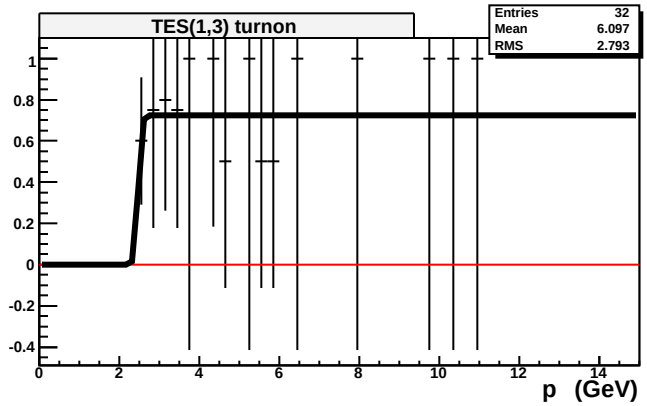
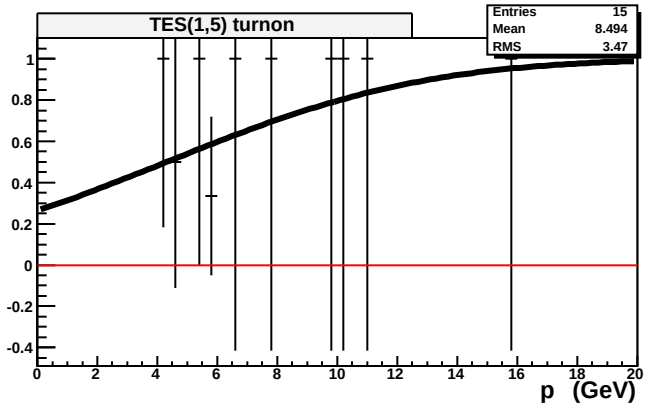
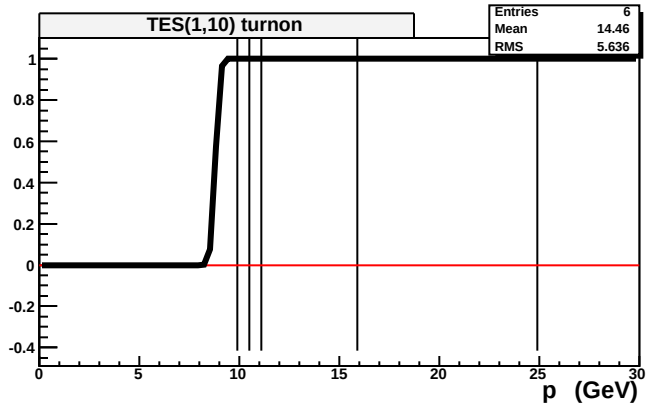


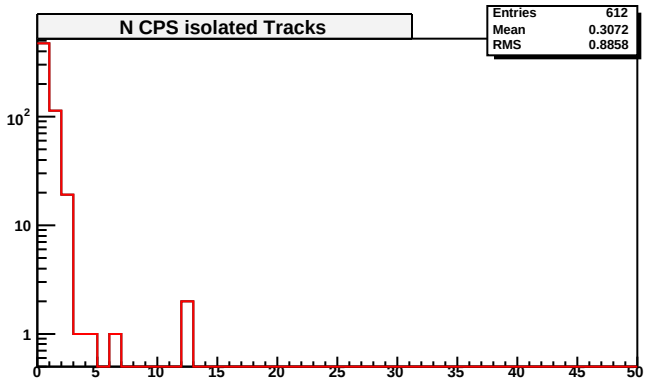
TEL phi/eta (L1CTT All)

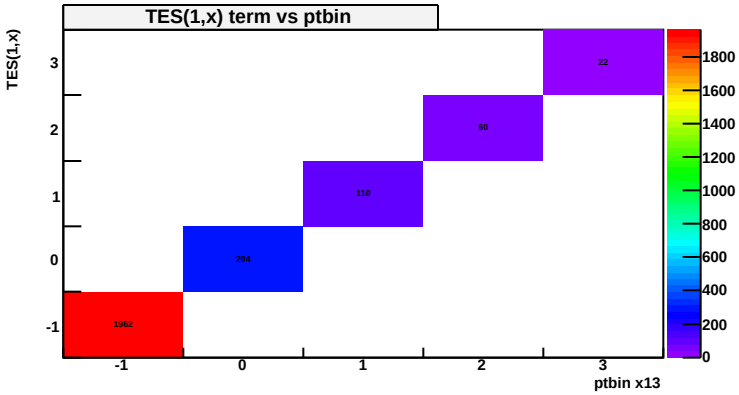


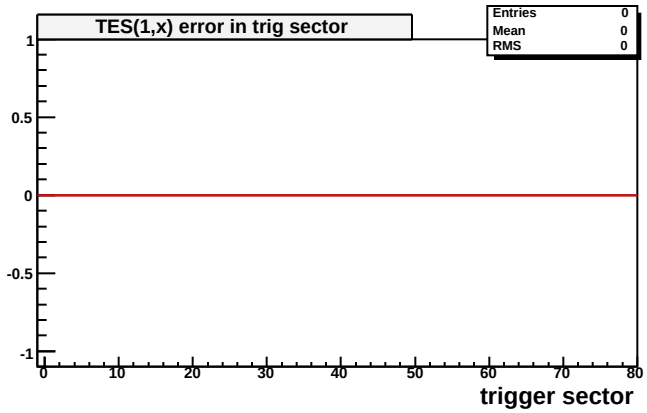


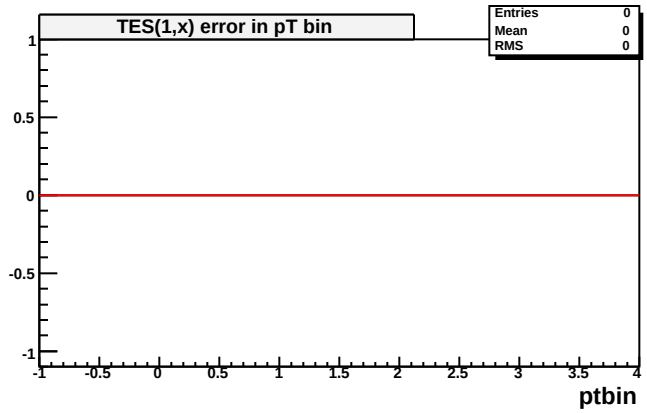




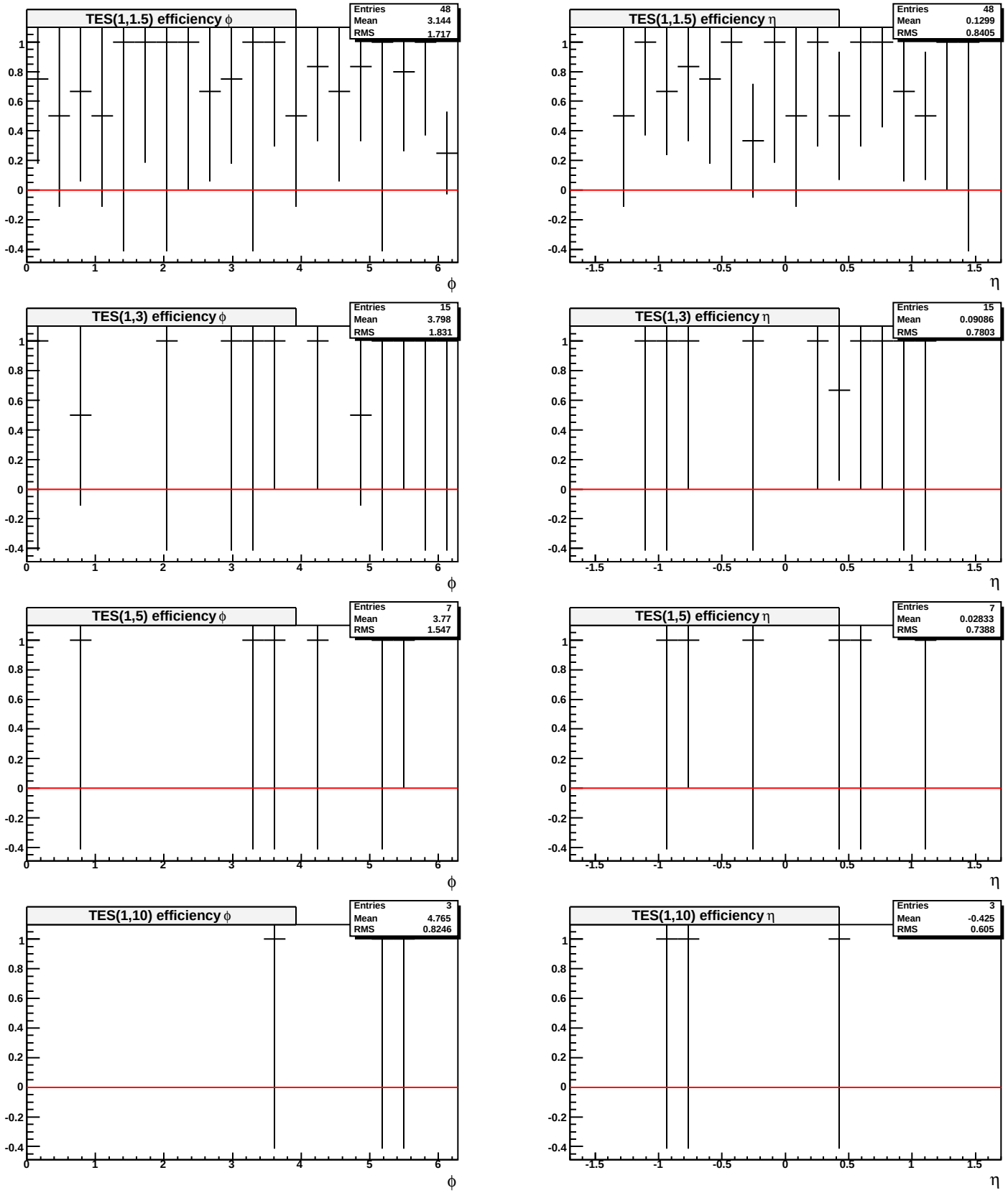




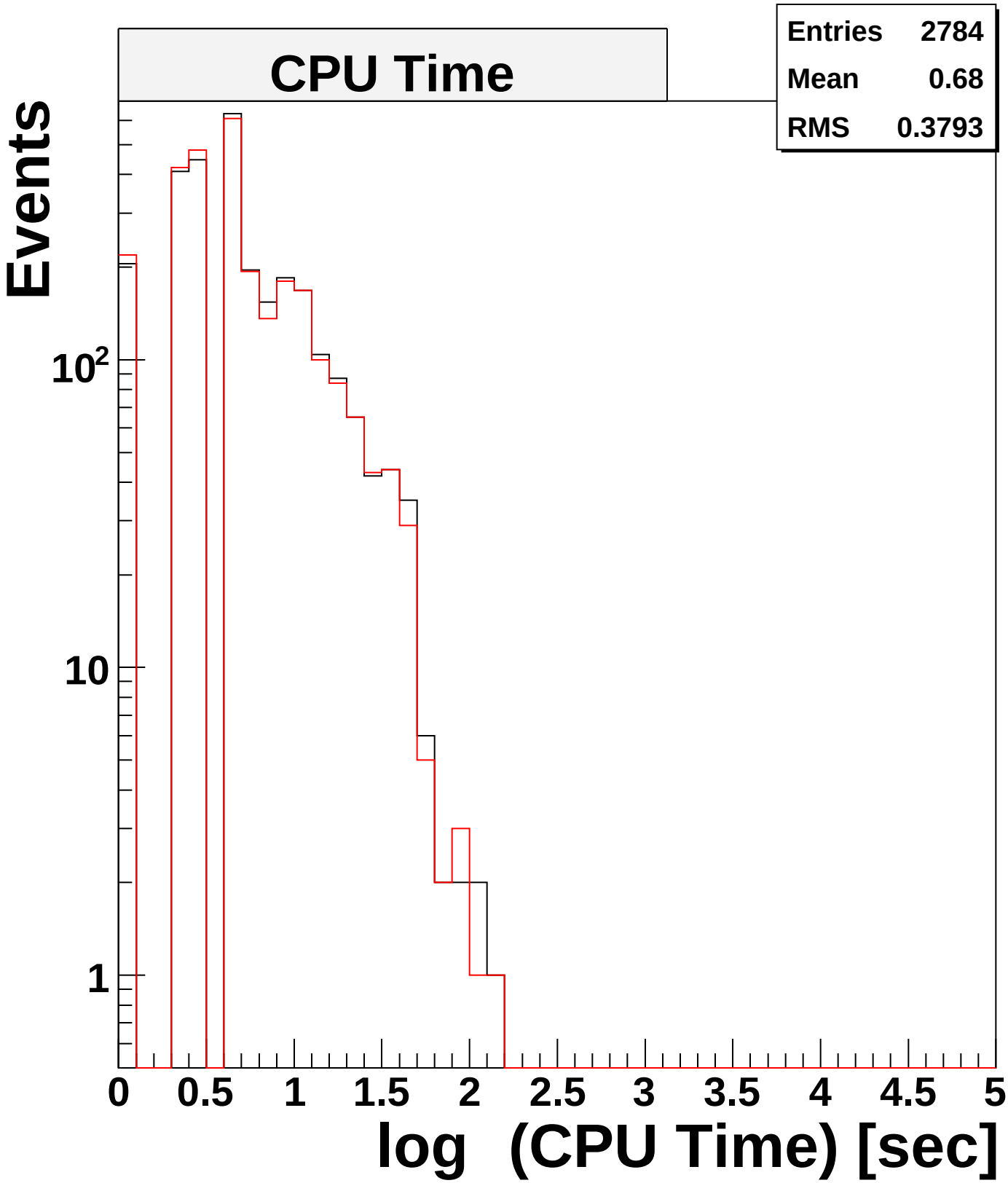




TES (L1CTT All)



TES phi/eta (L1CTT All)



RECO Performance (Timing)