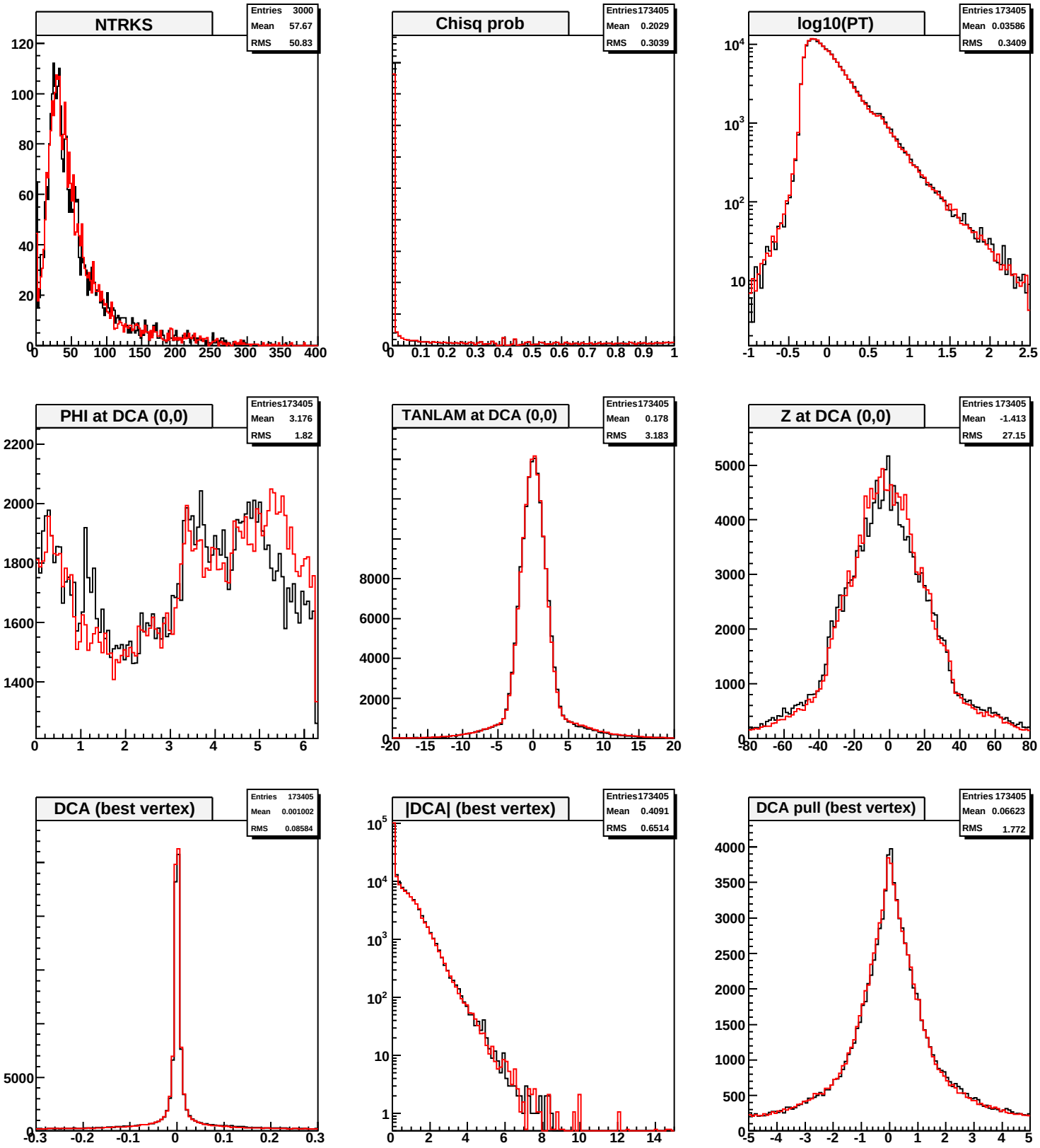
p200801_r234706.root
p201101_r237403.root

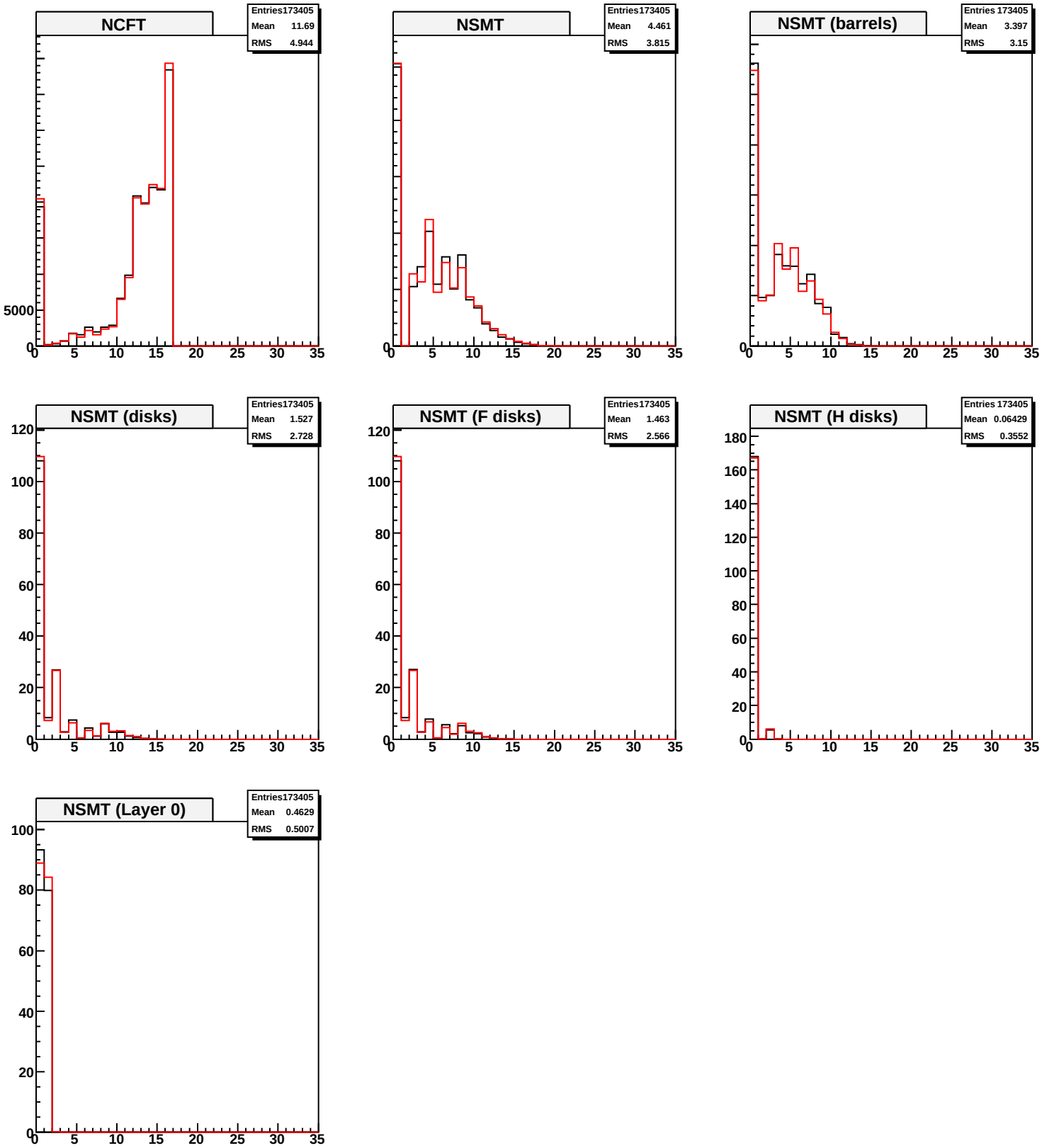
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
Page 7: Tracking (Efficiency - Isolated)
Page 8: Tracking (Efficiency - InJets)
Page 9: Vertices (Primary - all candidates)
Page 10: Vertices (Primary - best)
Page 11: V0 (All)
Page 12: V0 (B mesons)
Page 13: Electrons (SCONE All)
Page 14: Electrons (SCONE Loose)
Page 15: Electrons (SCONE Tight)
Page 16: Muons (All)
Page 17: Muons (Matched)
Page 18: Muons (Astub)
Page 19: Muons (BCstub)
Page 20: Muons (Unmateched)
Page 21: Taus NN (ALL)
Page 22: Taus NNL3 (ALL)
Page 23: Met (No cuts)
Page 24: Jets (Cone R 0.7 no cuts)
Page 25: Jets (Cone R 0.7 standard cuts)
Page 26: Jets (KT D 1 no cuts)
Page 27: Jets (KT D 1 standard cuts)
Page 28: Jets (Cone R 0.7 standard cuts, MET>30)
Page 29: Jets (KT D 1 standard cuts, MET>30)
Page 30: Detector Occupancy (Detector)
Page 31: Detector Occupancy (Detector vs Detector)
Page 32: Calorimeter (All cells)
Page 33: Calorimeter (All CC cells)
Page 34: Calorimeter (All EC cells)
Page 35: Cal Cell Energy in ILYR 1-9 (All cells)
Page 36: Cal Cell Energy in ILYR 10-17 (All cells)
Page 37: Cal Cell Occupancy in ILYR 1-9 (All cells)
Page 38: Cal Cell Occupancy in ILYR 10-17 (All cells)
Page 39: Cal Objects with MET>30 (All cells)
Page 40: Calorimeter Event Quality (All cells)
Page 41: CPS Hit Strips (All Clusters)
Page 42: CPS Clusters (All Clusters)
Page 43: SmtClusters (allBarClusters)
Page 44: SmtClusters (allFDiskClusters)
Page 45: SmtClusters (allHDiskClusters)
Page 46: SmtClusters (Layer 0)
Page 47: SmtClusters (ClustrBar1)
Page 48: SmtClusters (ClustrBar2)
Page 49: SmtClusters (ClustrBar3)
Page 50: SmtClusters (ClustrBar4)
Page 51: SmtClusters (ClustrBar5)
Page 52: SmtClusters (ClustrBar6)
Page 53: SmtClusters (FDiskClusters)

Page 54: SmtClusters (HDiskClusters)
Page 55: Smt Track Clusters (allBarTClusters)
Page 56: Smt Track Clusters (allFDiskTClusters)
Page 57: Smt Track Clusters (allHDiskTClusters)
Page 58: CFT Summary (All Clusters)
Page 59: CFT Occupancy (All Clusters)
Page 60: CFT ADC Summary (All Clusters)
Page 61: CFT Occupancy vs Tick (All Clusters)
Page 62: CFT NClusters (All Clusters)
Page 63: CFT Cluster Size (All Clusters)
Page 64: CFT PHI(Z=0) (All Clusters)
Page 65: CFT Hit Fiber (All Clusters)
Page 66: CFT Hit Fiber Discriminator (All Clusters)
Page 67: MuonPDT (All)
Page 68: MuonMDT (All)
Page 69: MuonMSC (All)
Page 70: Muon Local Tracks (All)
Page 71: Muon Local Tracks (LooseWamus)
Page 72: Muon Local Tracks (MediumWamus)
Page 73: Muon Local Tracks (TightWamus)
Page 74: Muon Local Tracks (LooseFamus)
Page 75: Muon Local Tracks (MediumFamus)
Page 76: Muon Local Tracks (TightFamus)
Page 77: FPS Trigger Sector Occupancy
Page 78: FPS Number of Hits
Page 79: L1CTT TTK Trigger Turn-on (All)
Page 80: L1CTT TIS Trigger Turn-on (All)
Page 81: L1CTT TEL Trigger Turn-on (All)
Page 82: L1CTT TES Trigger Turn-on (All)
Page 83: RECO Performance (Timing)

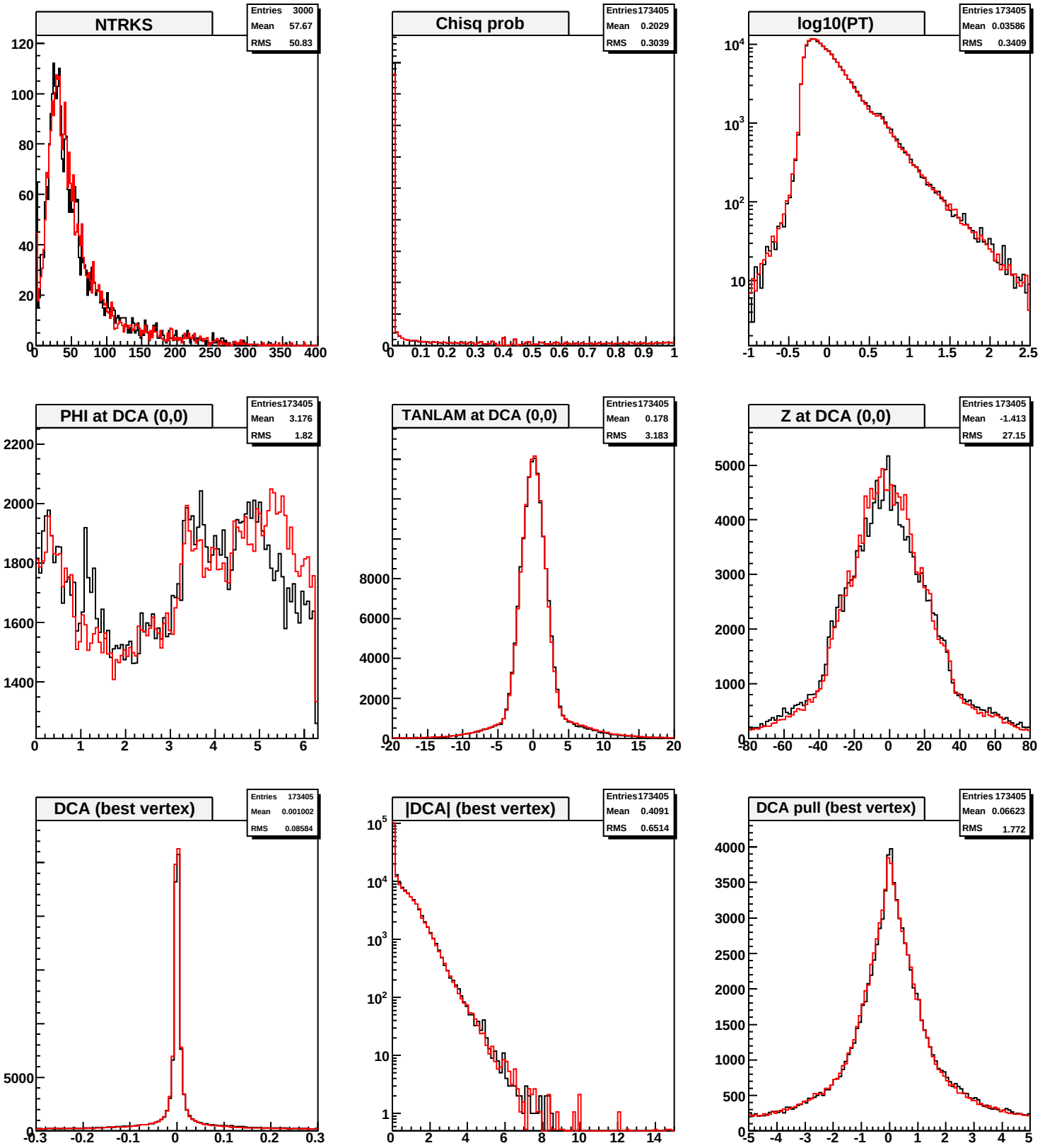
RecoCert_Plots (Index 2)


NTRKS
Entries 3000
Mean 57.67
RMS 50.83
Chisq prob
Entries 173405
Mean 0.2029
RMS 0.3039
log10(PT)
Entries 173405
Mean 0.03586
RMS 0.3409
PHI at DCA (0,0)
Entries 173405
Mean 3.176
RMS 1.82
TANLAM at DCA (0,0)
Entries 173405
Mean 0.178
RMS 3.183
Z at DCA (0,0)
Entries 173405
Mean -1.413
RMS 27.15
DCA (best vertex)
Entries 173405
Mean 0.001002
RMS 0.08584
|DCA| (best vertex)
Entries 173405
Mean 0.4091
RMS 0.6514
DCA pull (best vertex)
Entries 173405
Mean 0.06623
RMS 1.772

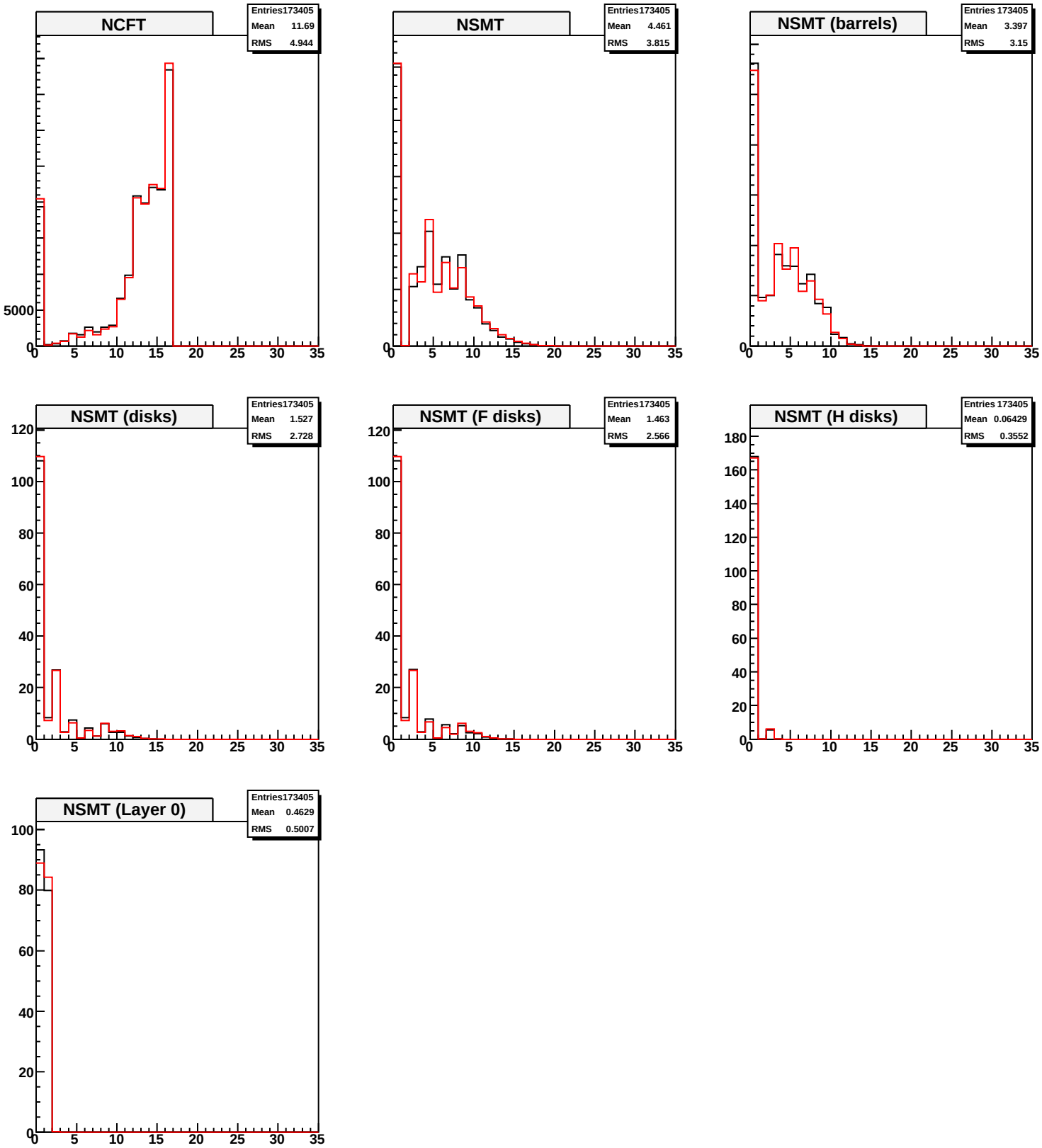
Tracks (All)



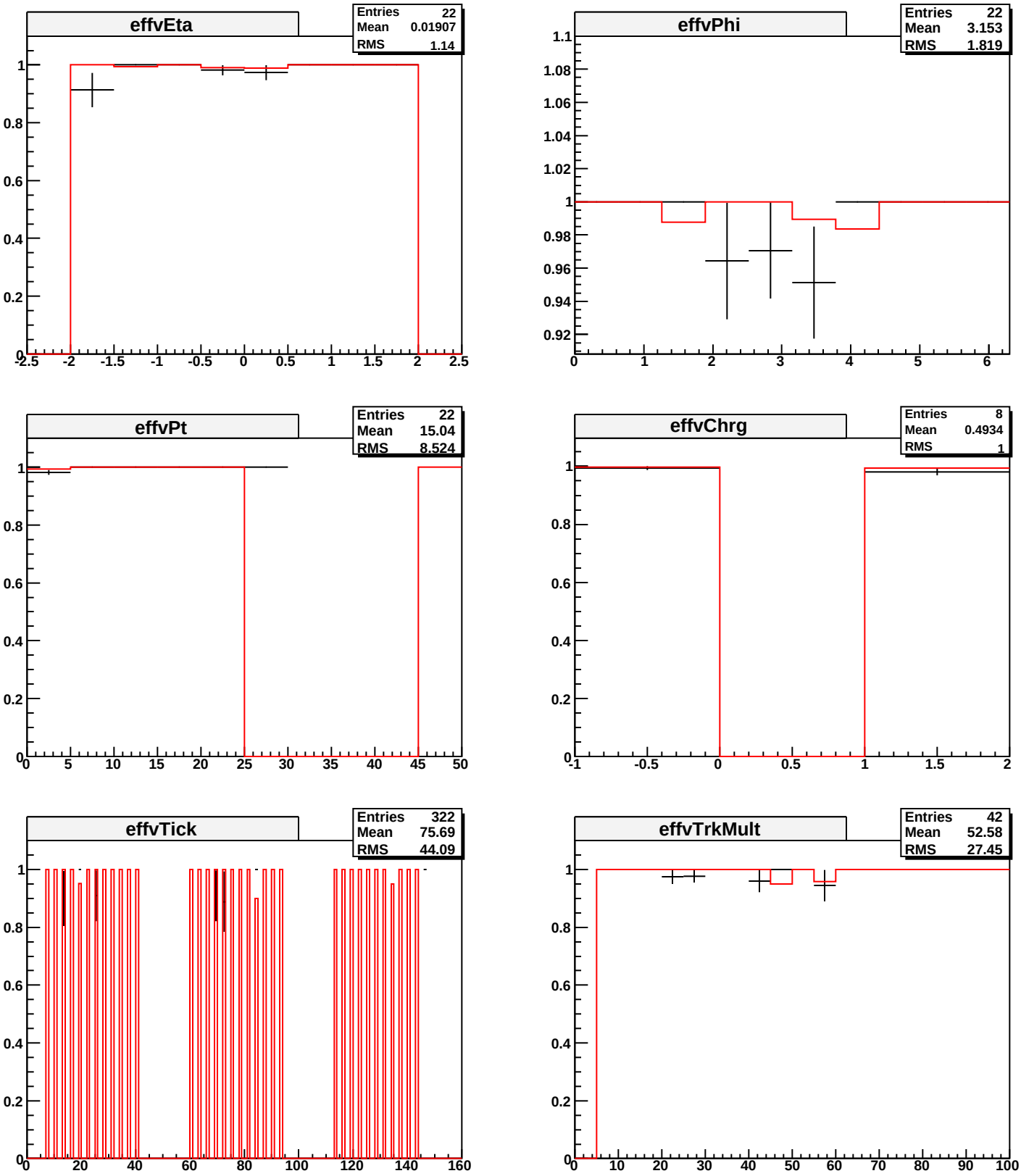
Track Hits (All)



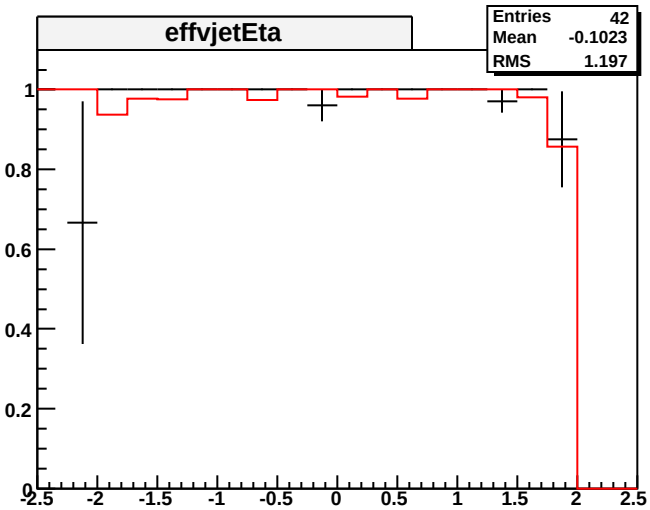
Tracks (Tight)

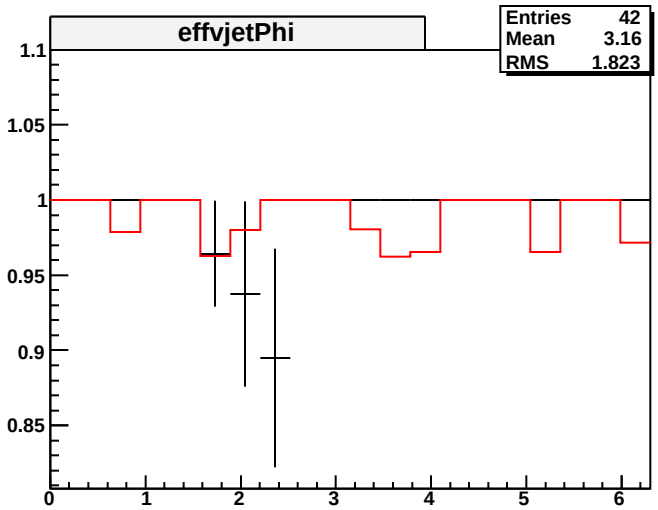


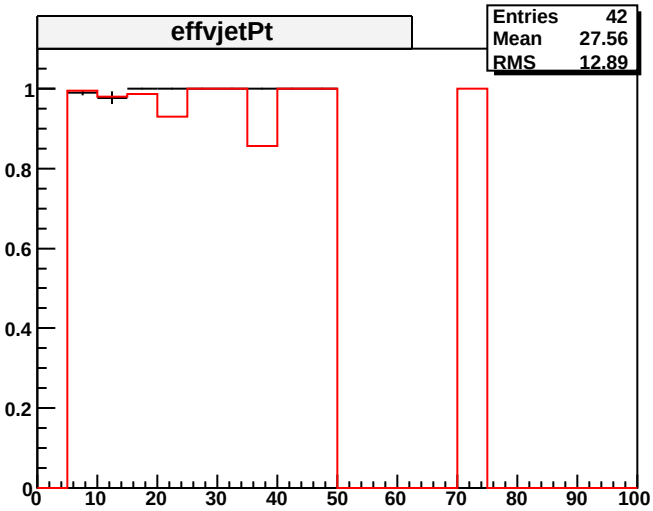
Track Hits (Tight)



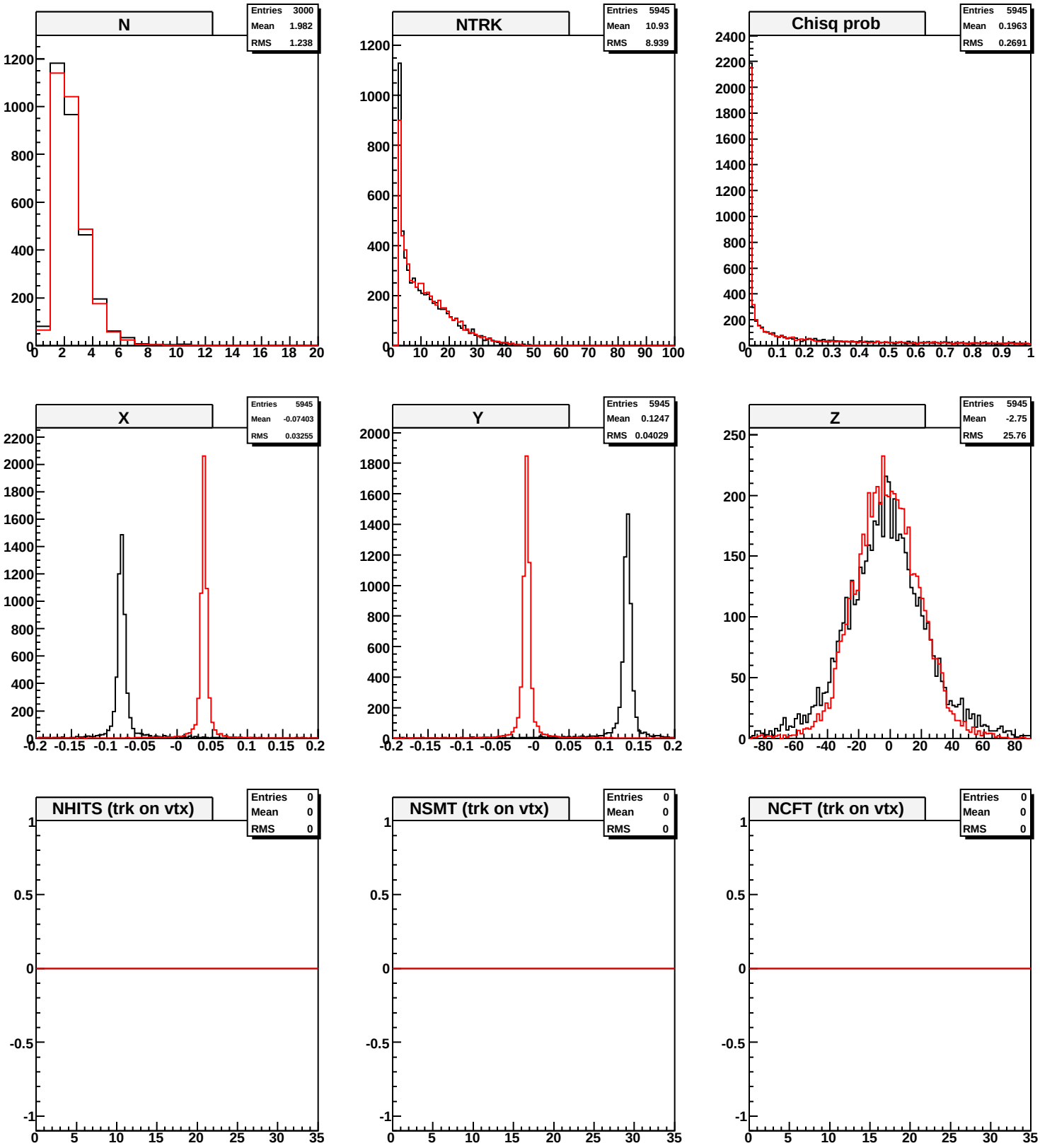
Tracking (Efficiency-Isolated)



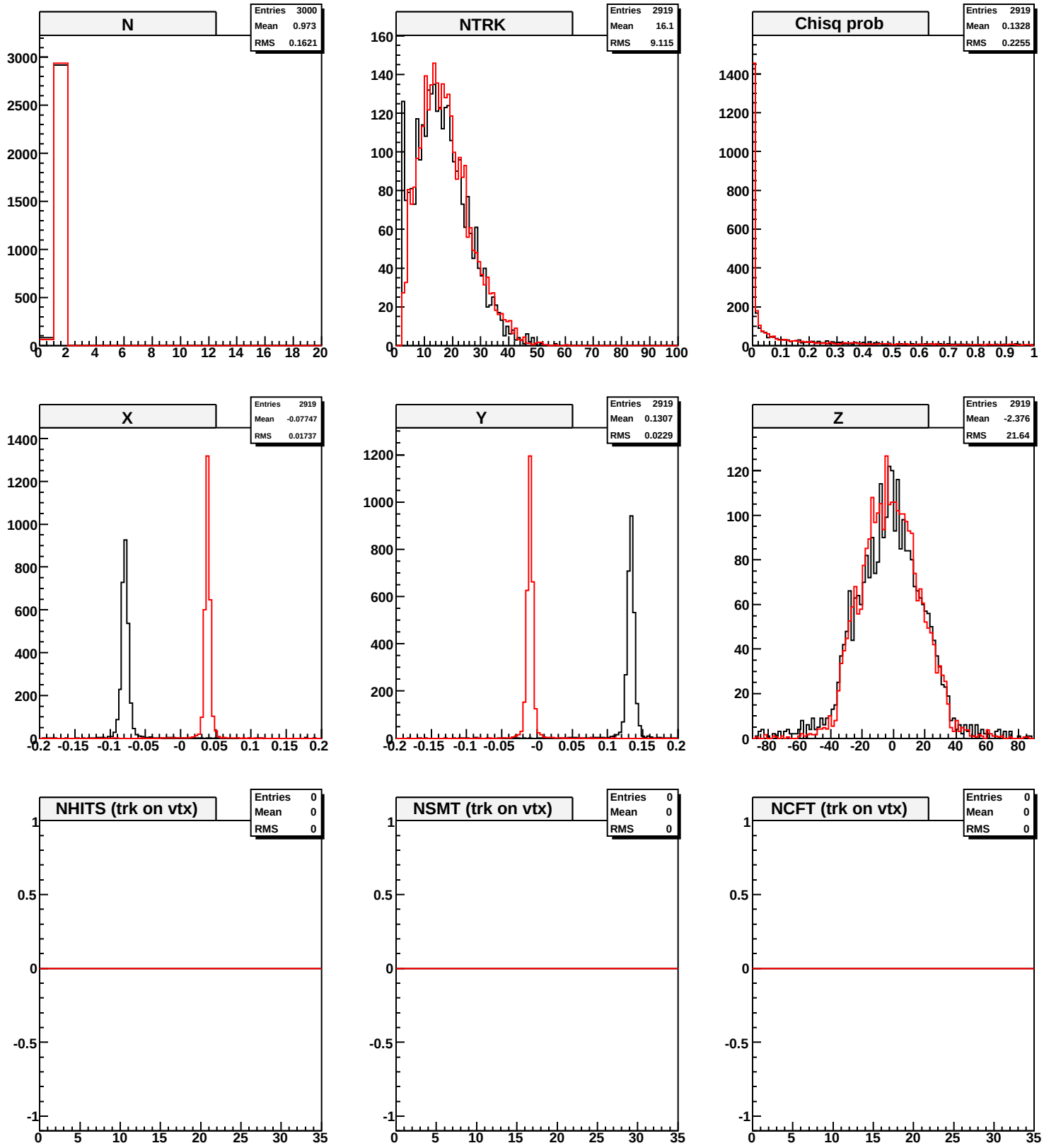




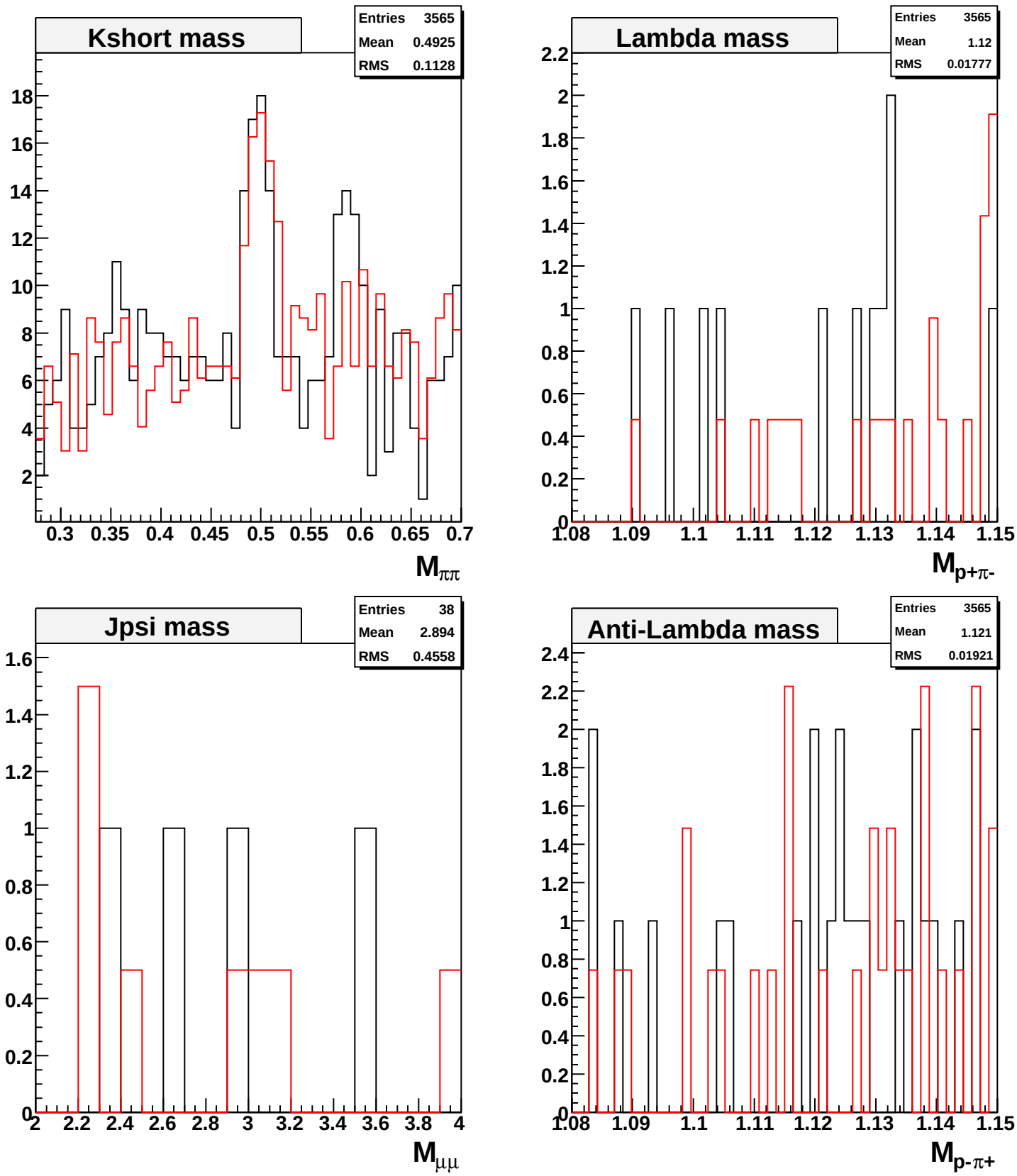
Tracking (Efficiency-InJets)



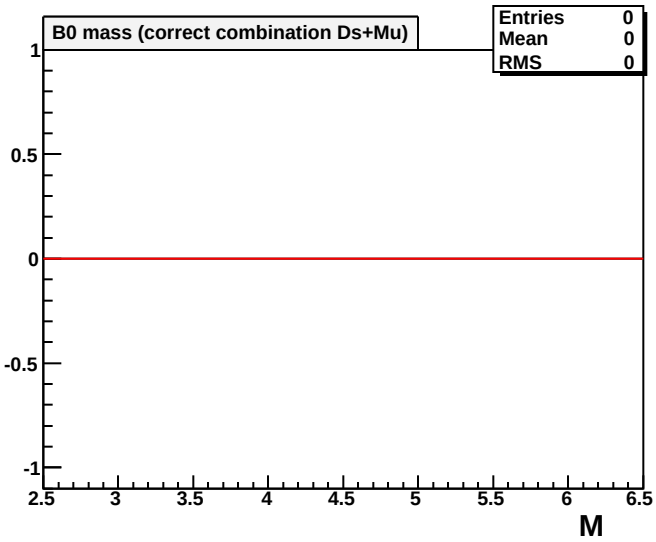
Vertices (Primary - all candidates)

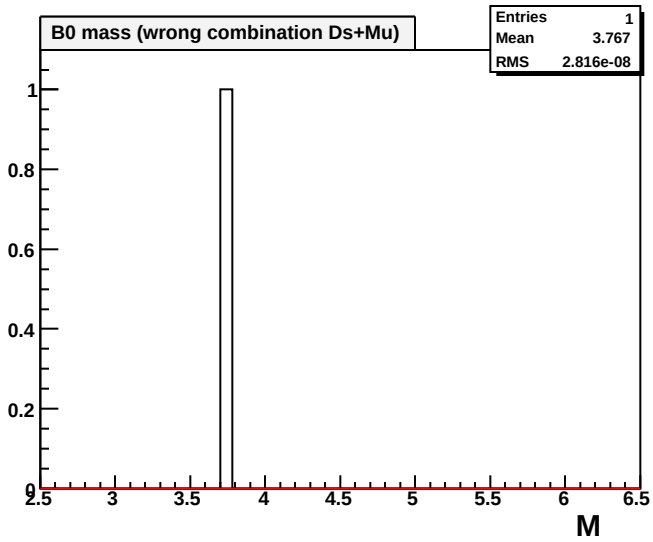


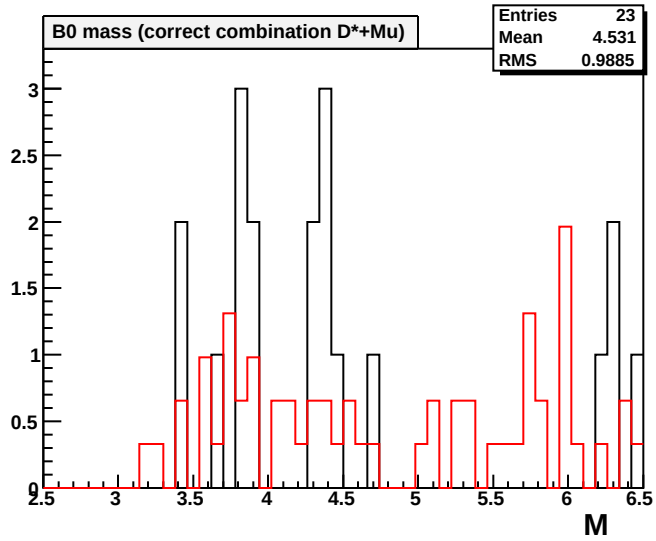
Vertices (Primary - best)

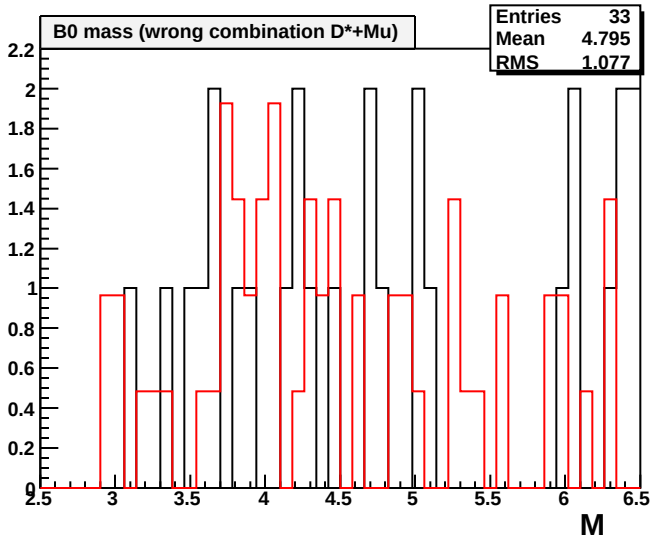

Kshort mass
Entries 3565
Mean 0.4925
RMS 0.1128
$M_{\pi\pi}$
Lambda mass
Entries 3565
Mean 1.12
RMS 0.01777
$M_{p+\pi-}$
Jpsi mass
Entries 38
Mean 2.894
RMS 0.4558
$M_{\mu\mu}$
Anti-Lambda mass
Entries 3565
Mean 1.121
RMS 0.01921
$M_{p-\pi+}$

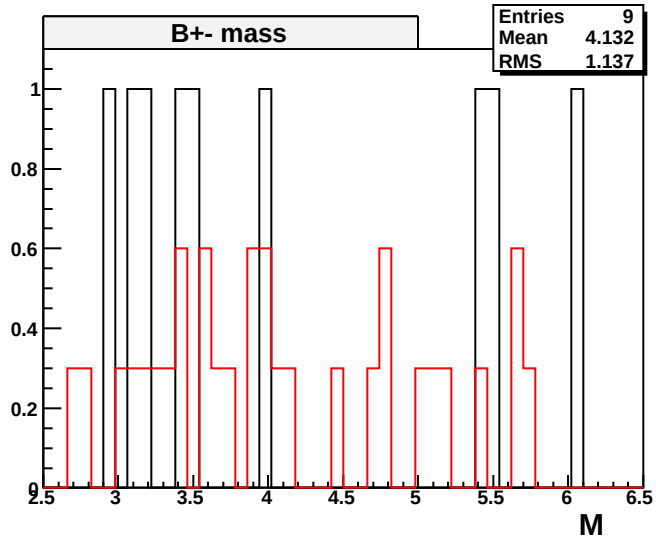
V0 (All)



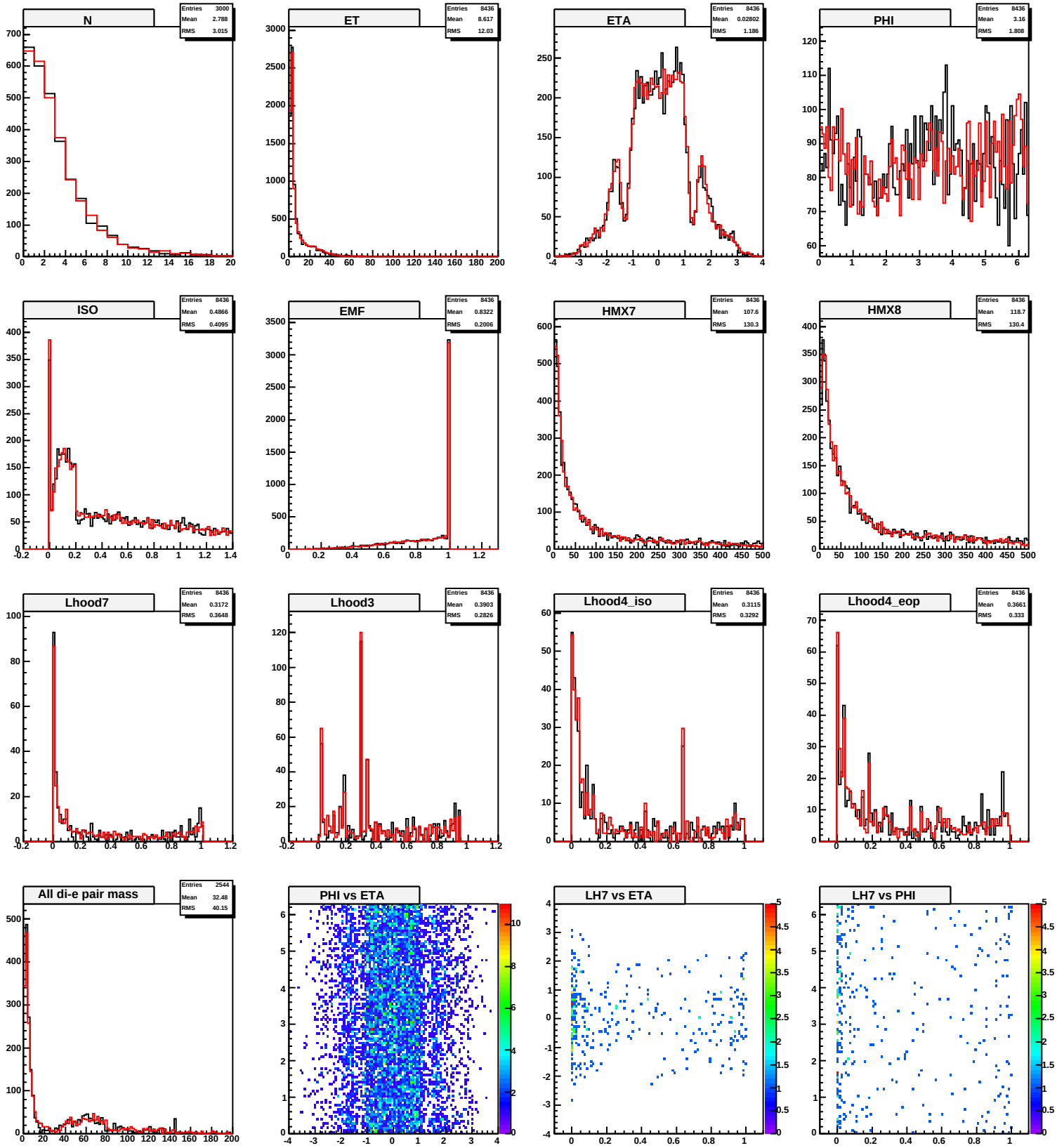




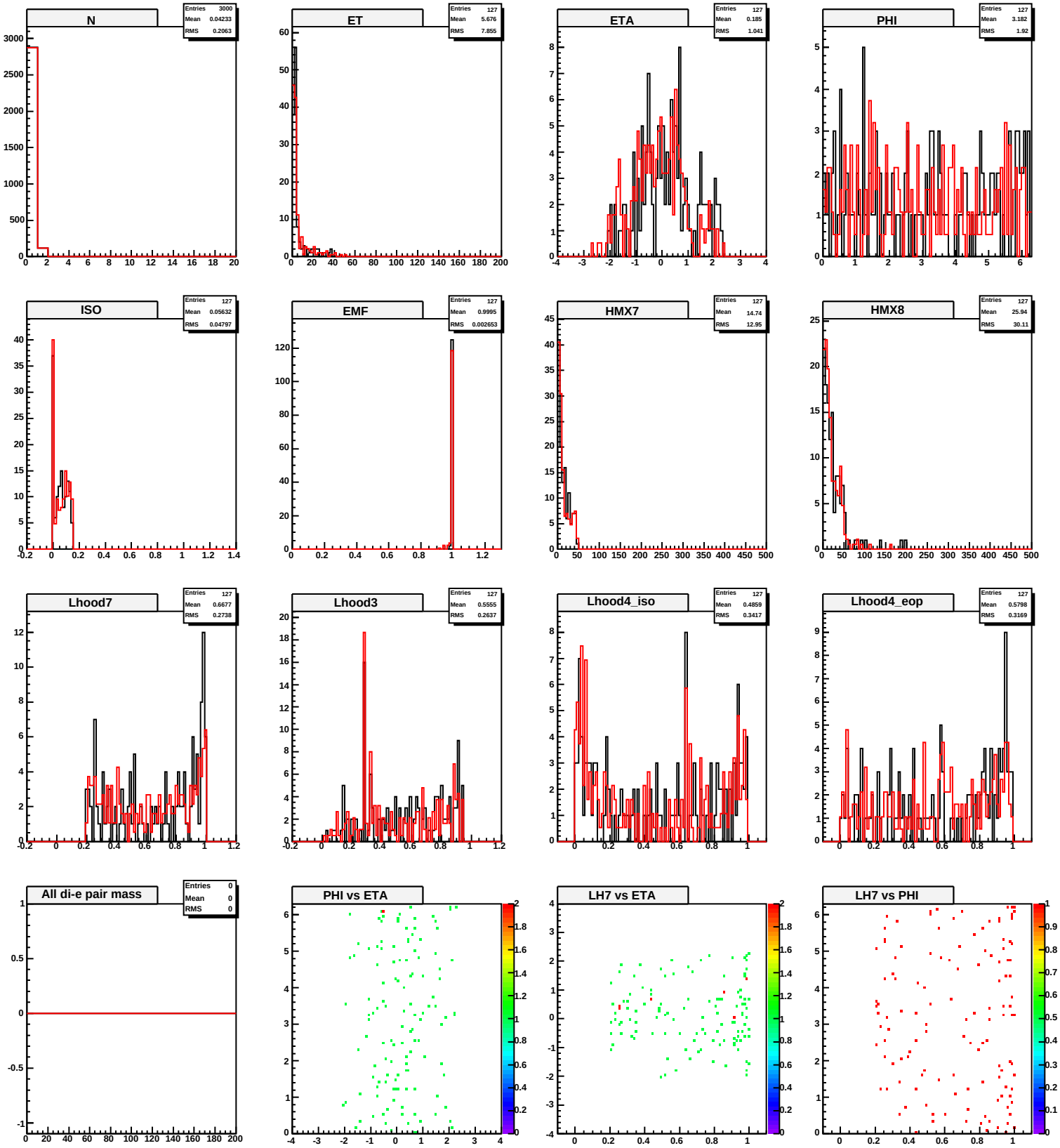




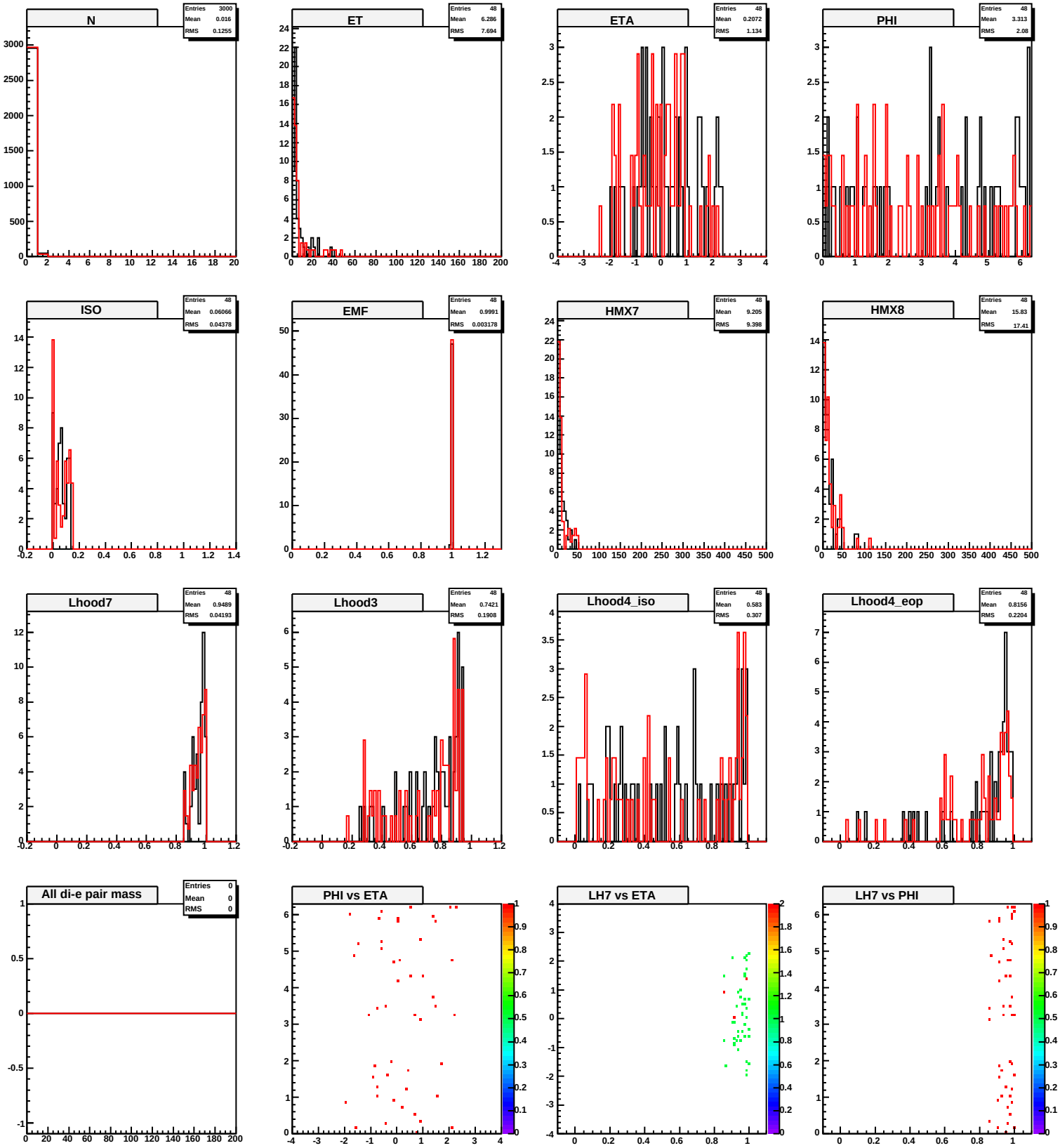
V0(B mesons) (All)



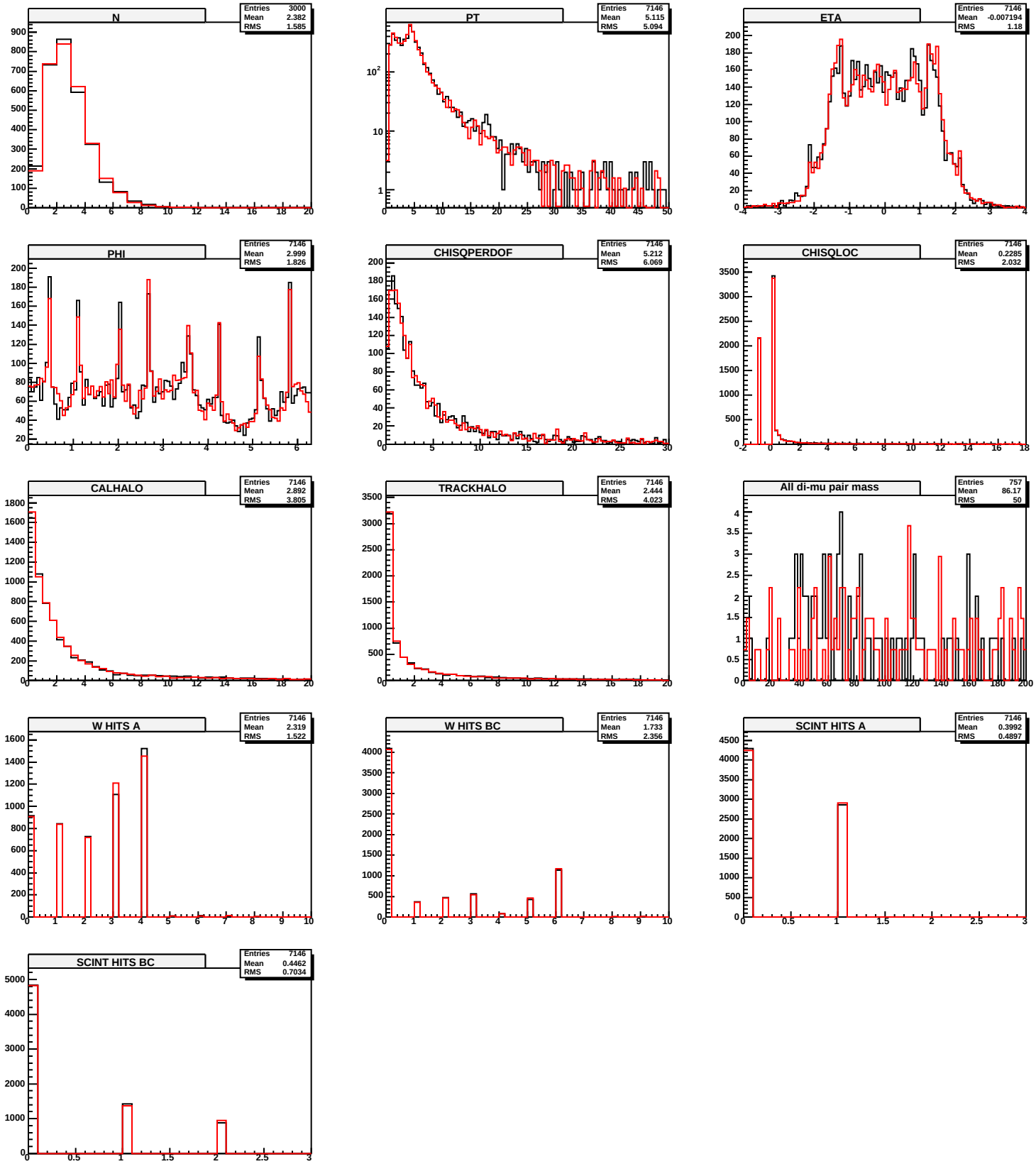
Electrons (SCONE All)



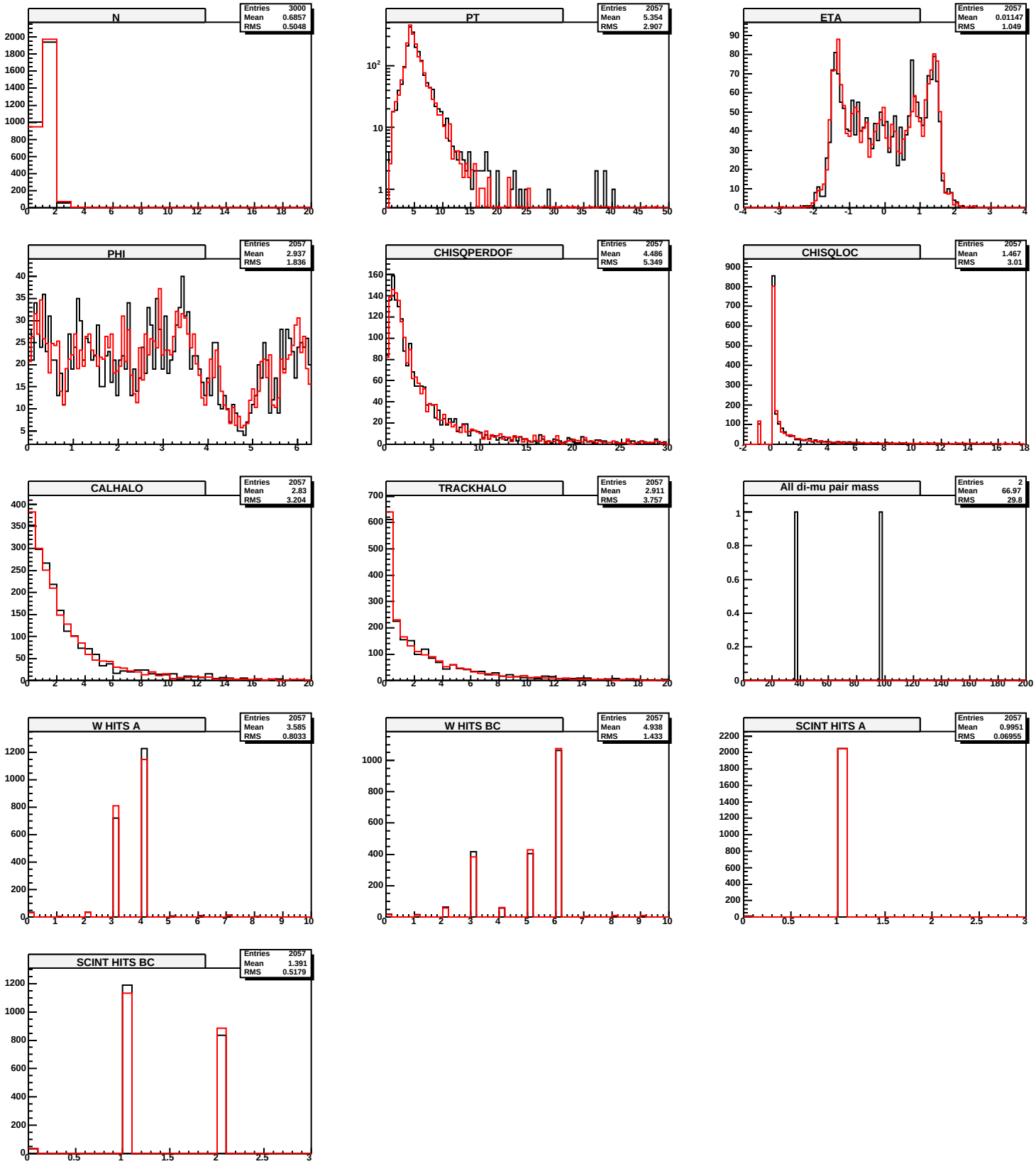
Electrons (SCONE Loose)



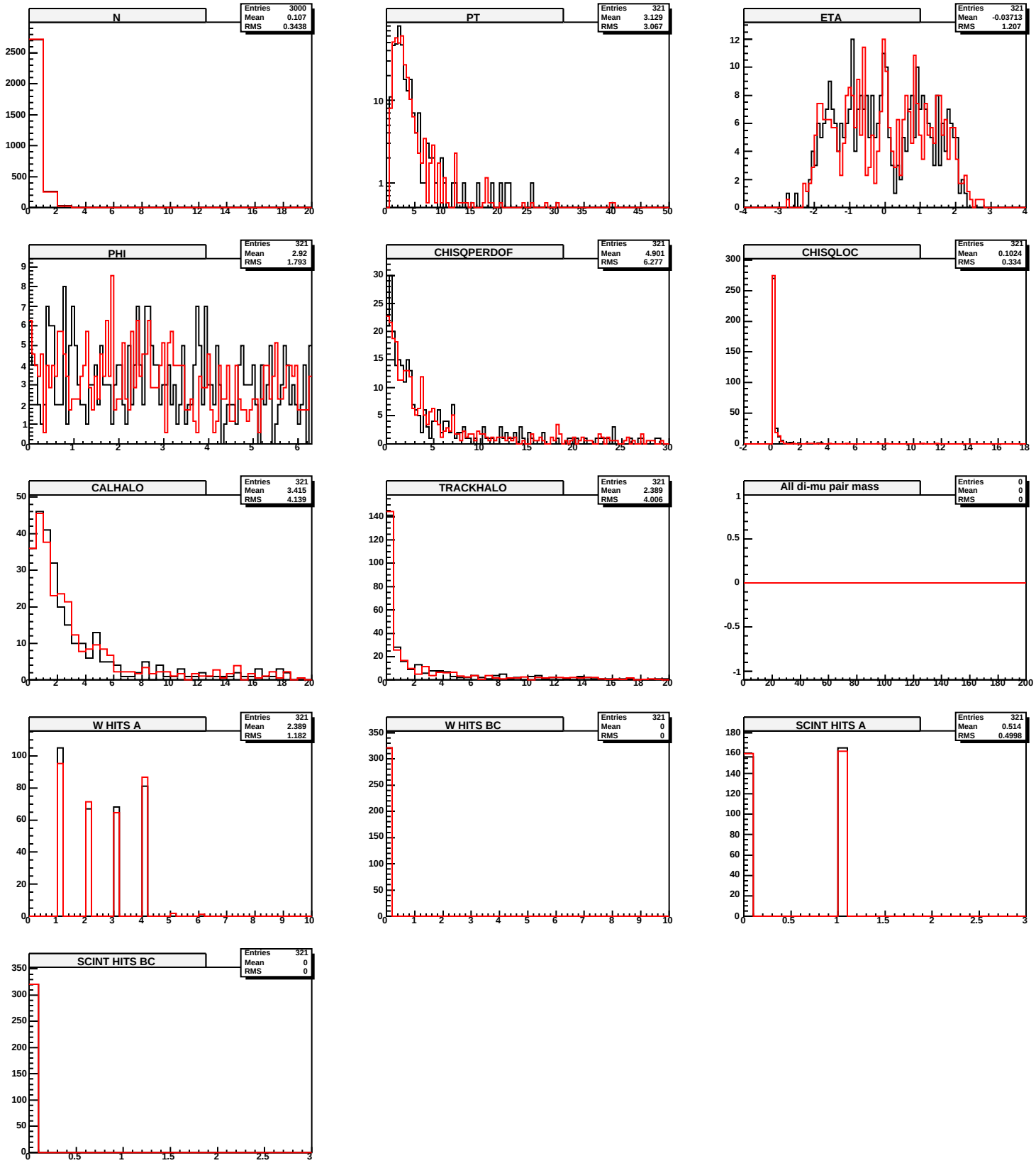
Electrons (SCONE Tight)


N
Entries 3000
Mean 2.382
RMS 1.585
PT
Entries 7146
Mean 5.115
RMS 5.094
ETA
Entries 7146
Mean -0.007194
RMS 1.18
PHI
Entries 7146
Mean 2.999
RMS 1.826
CHISQPERDOF
Entries 7146
Mean 5.212
RMS 6.069
CHISQLOC
Entries 7146
Mean 0.2285
RMS 2.032
CALHALO
Entries 7146
Mean 2.892
RMS 3.805
TRACKHALO
Entries 7146
Mean 2.444
RMS 4.023
All di-mu pair mass
Entries 757
Mean 86.17
RMS 50
W HITS A
Entries 7146
Mean 2.319
RMS 1.522
W HITS BC
Entries 7146
Mean 1.733
RMS 2.356
SCINT HITS A
Entries 7146
Mean 0.3992
RMS 0.4897
SCINT HITS BC
Entries 7146
Mean 0.4462
RMS 0.7034

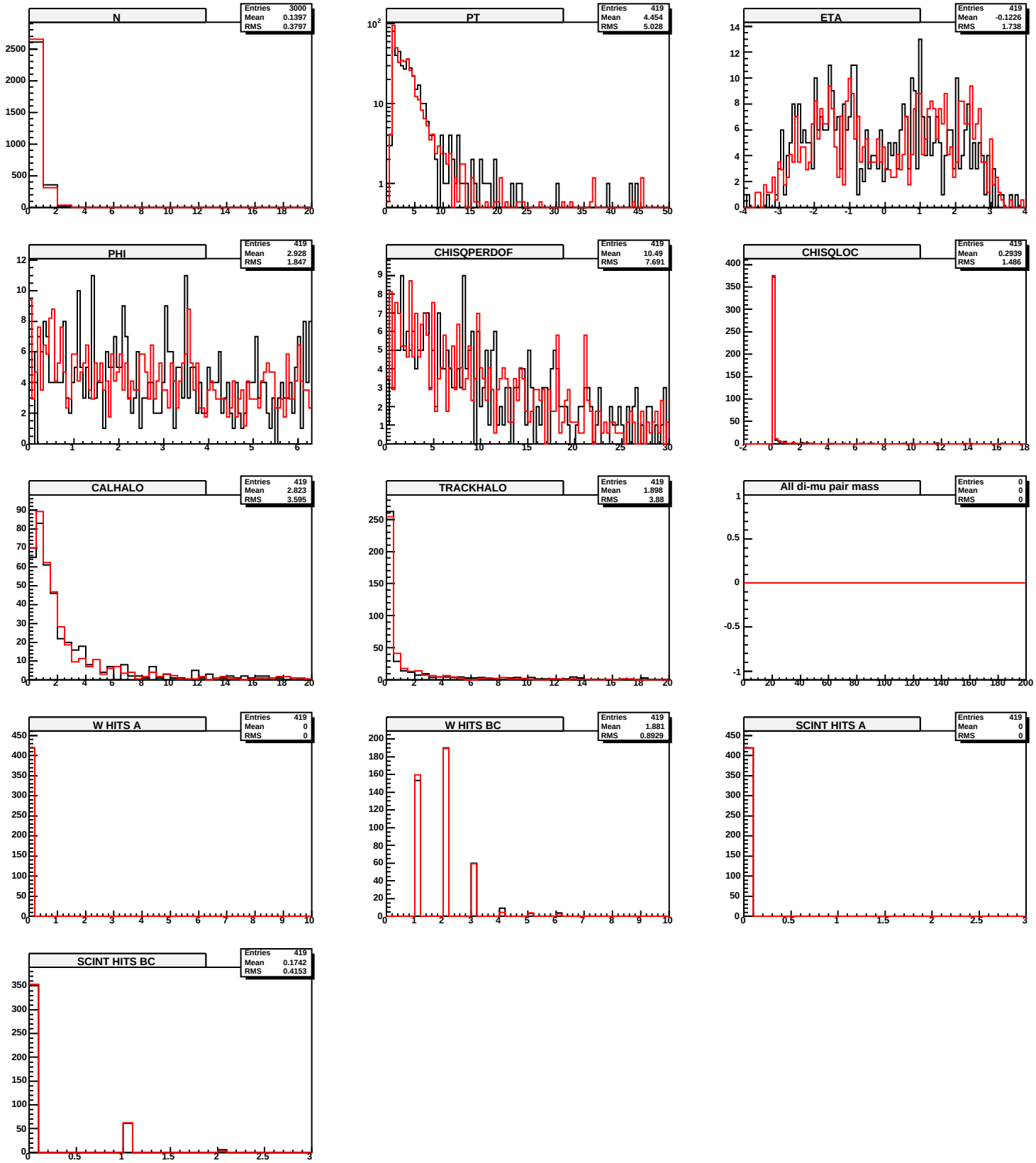
Muons (All)



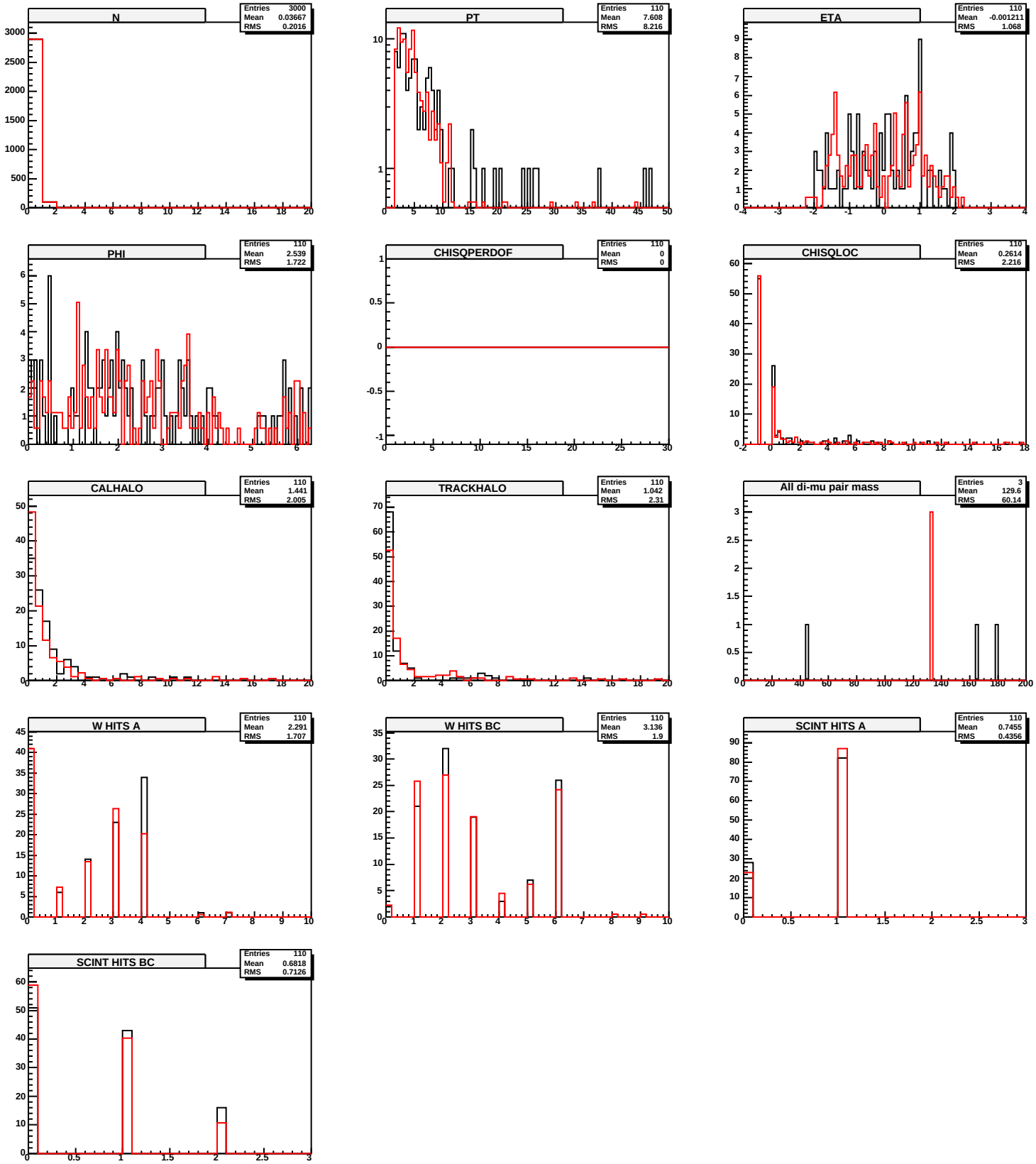
Muons (Matched)


N
Entries 3000
Mean 0.107
RMS 0.3438
PT
Entries 321
Mean 3.129
RMS 3.067
ETA
Entries 321
Mean -0.03713
RMS 1.207
PHI
Entries 321
Mean 2.92
RMS 1.793
CHISQPERDOF
Entries 321
Mean 4.901
RMS 6.277
CHISQLOC
Entries 321
Mean 0.1024
RMS 0.334
CALHALO
Entries 321
Mean 3.415
RMS 4.139
TRACKHALO
Entries 321
Mean 2.389
RMS 4.006
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 321
Mean 2.389
RMS 1.182
W HITS BC
Entries 321
Mean 0
RMS 0
SCINT HITS A
Entries 321
Mean 0.514
RMS 0.4998
SCINT HITS BC
Entries 321
Mean 0
RMS 0

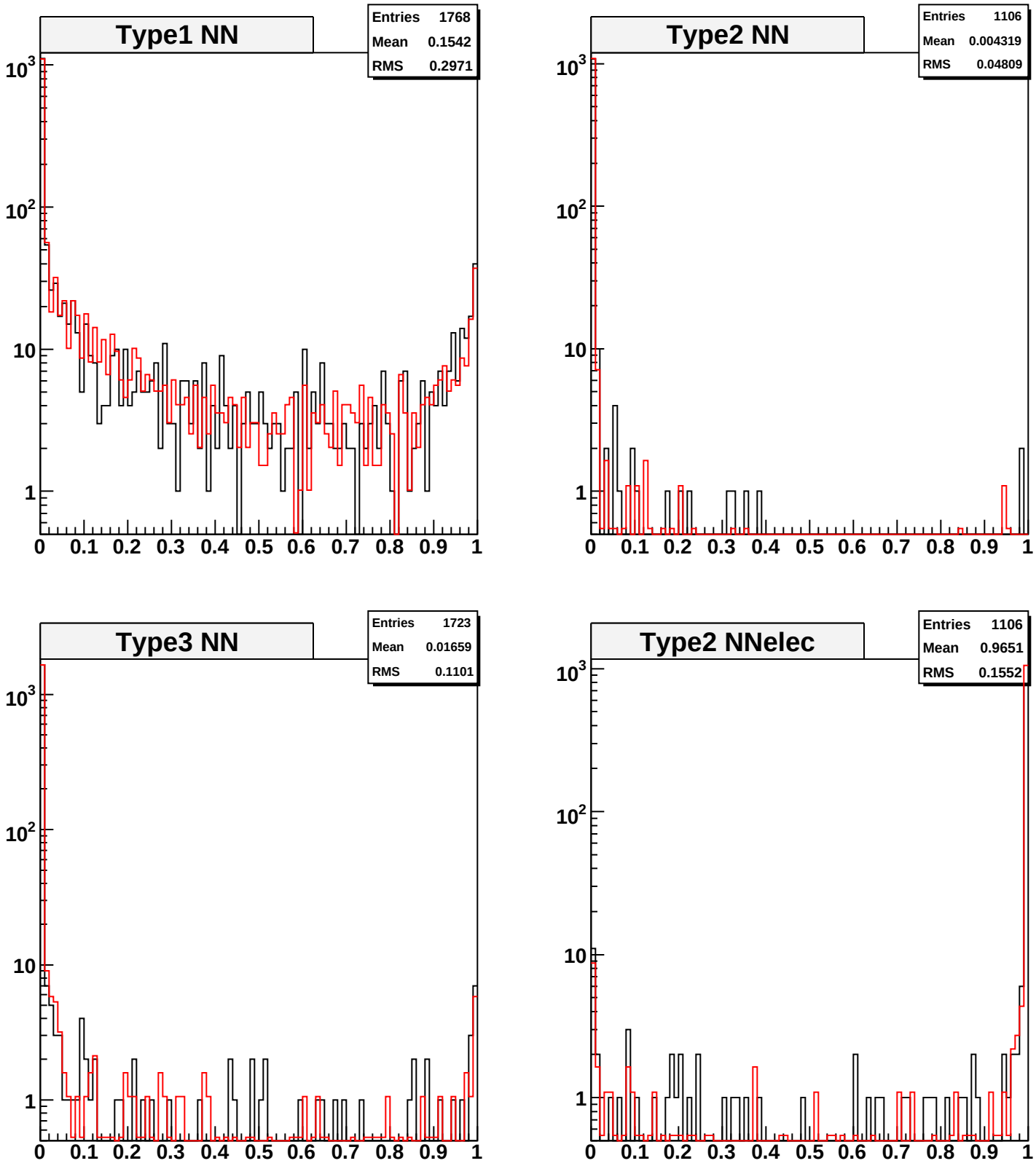
Muons (Astub)



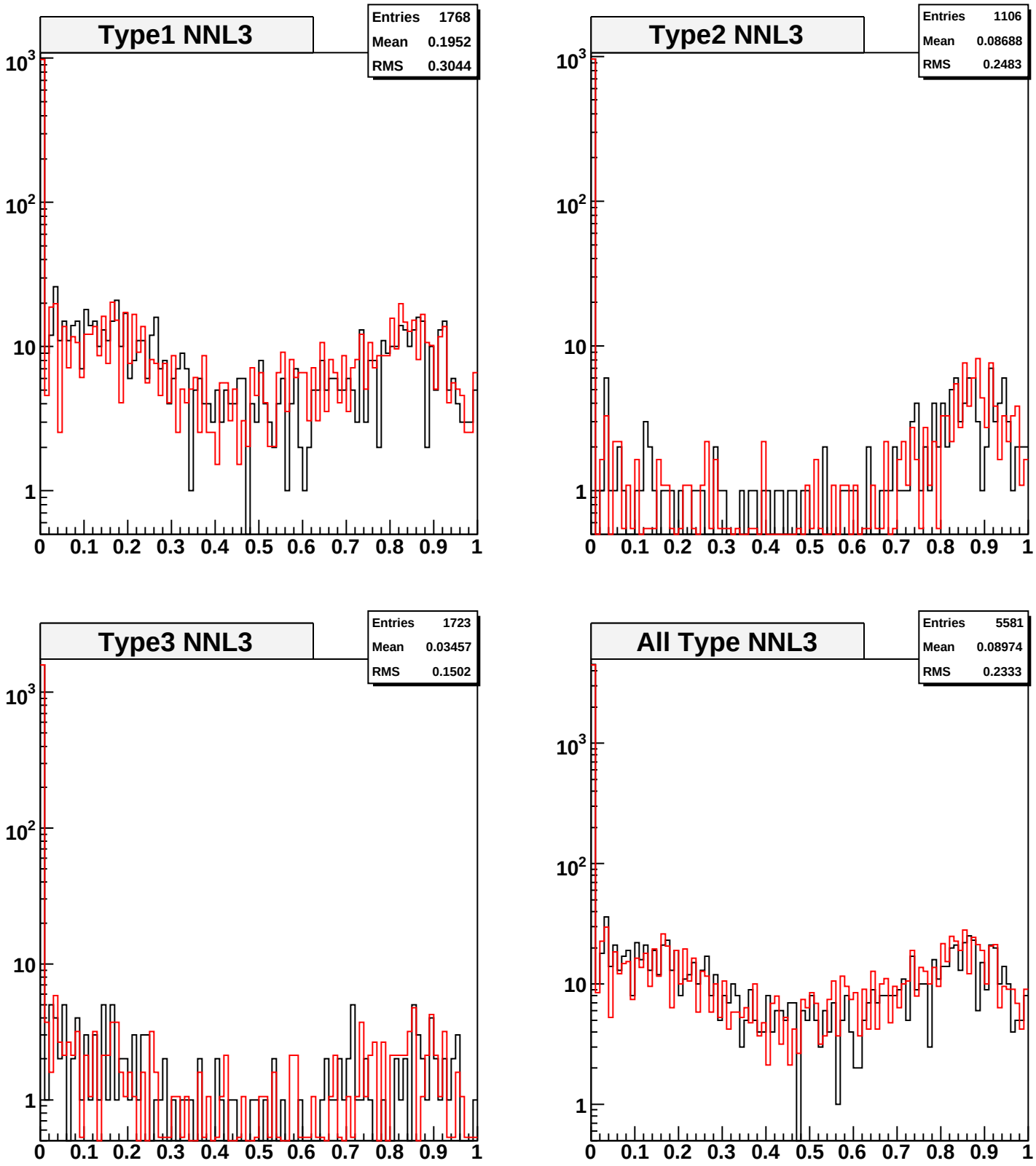
Muons (BCstub)



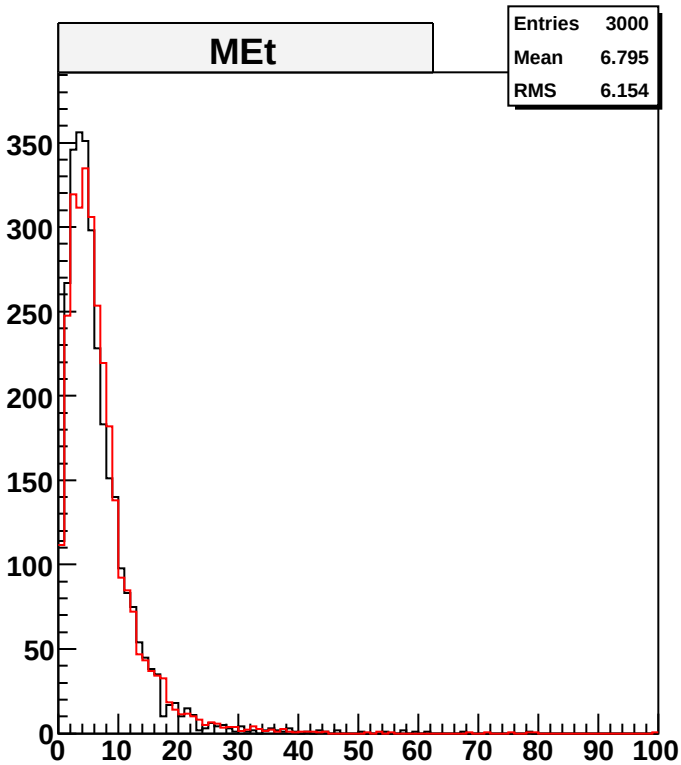
Muons (Unmatched)

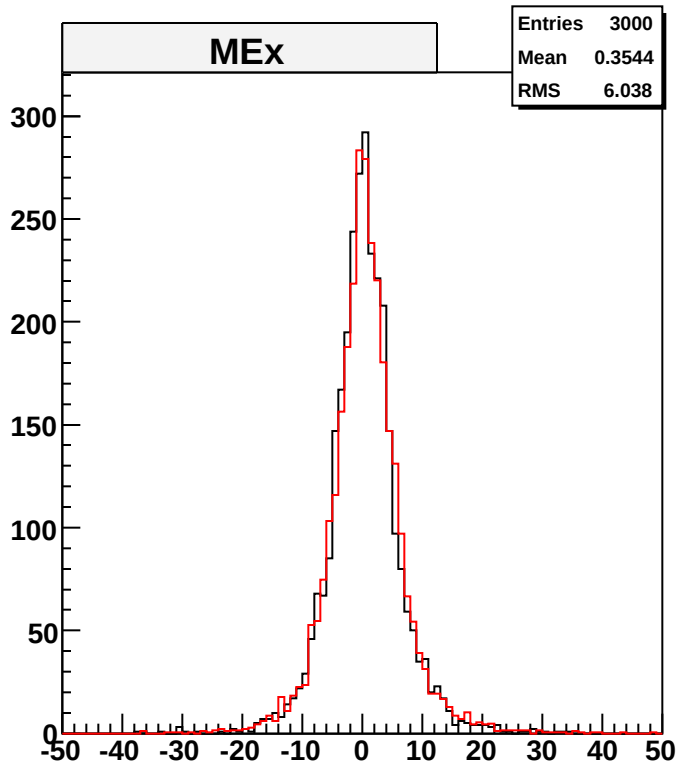


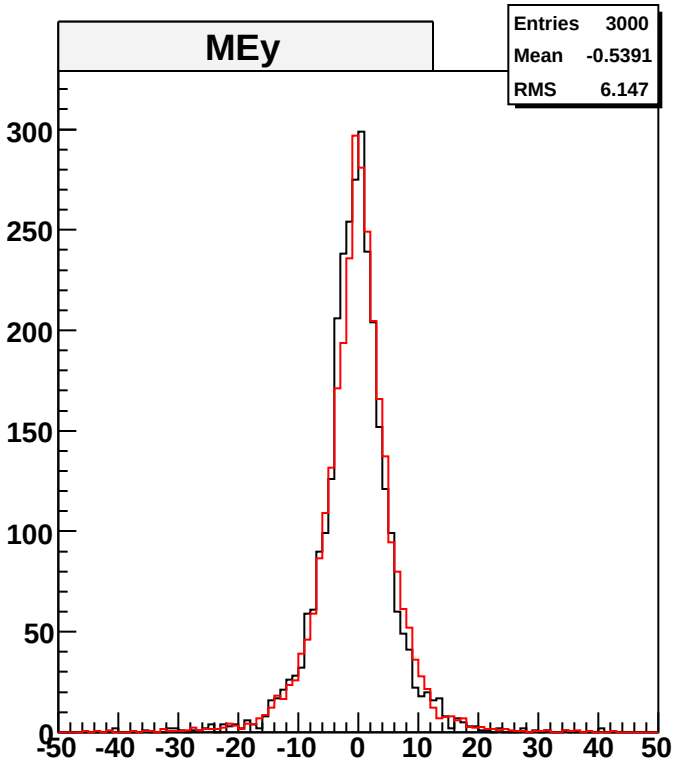
Taus NN (TAU All)



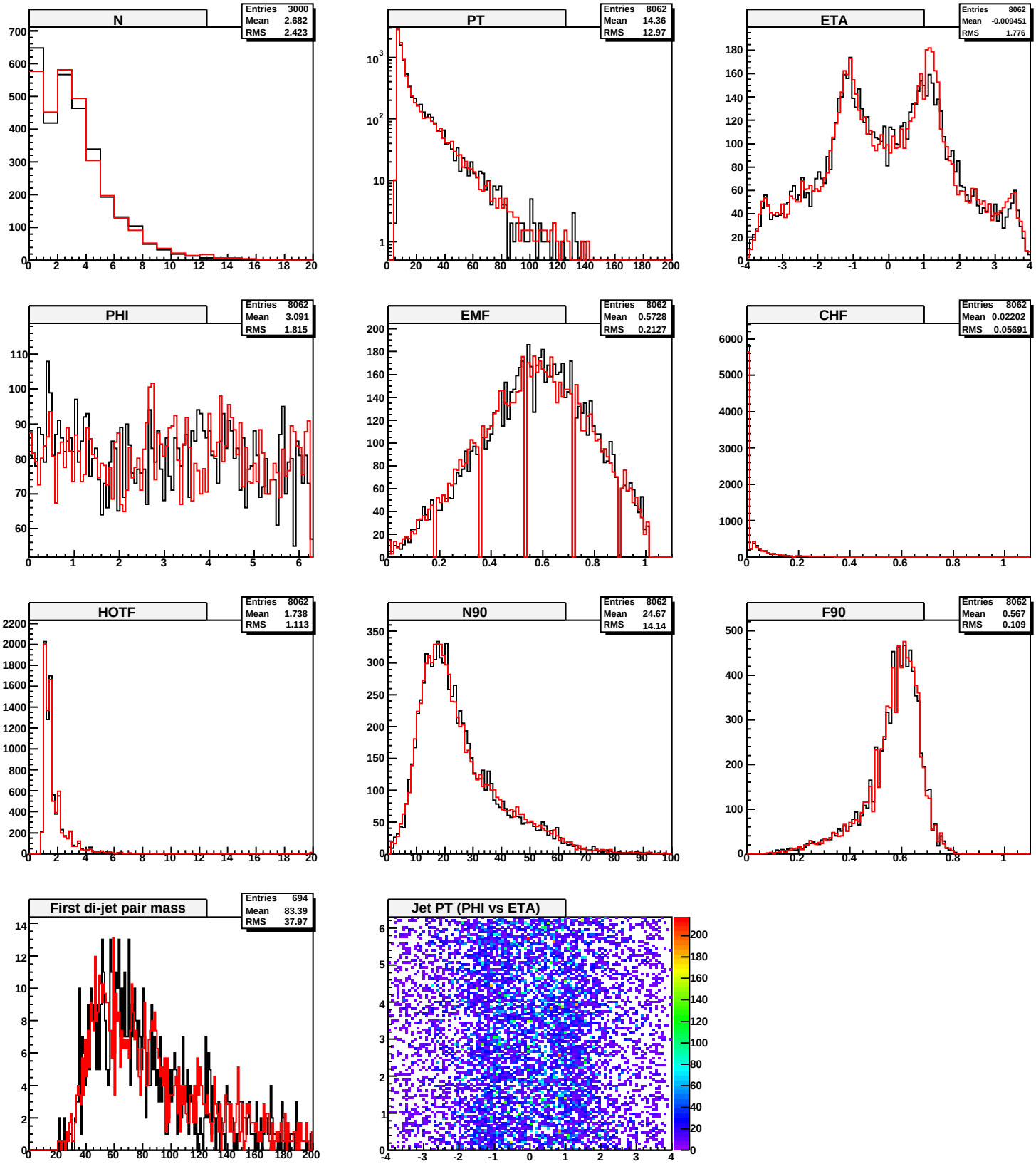
Taus NNL3 (TAU All)


MEt
Entries 3000
Mean 6.795
RMS 6.154
0
50
100
150
200
250
300
350
0 10 20 30 40 50 60 70 80 90 100

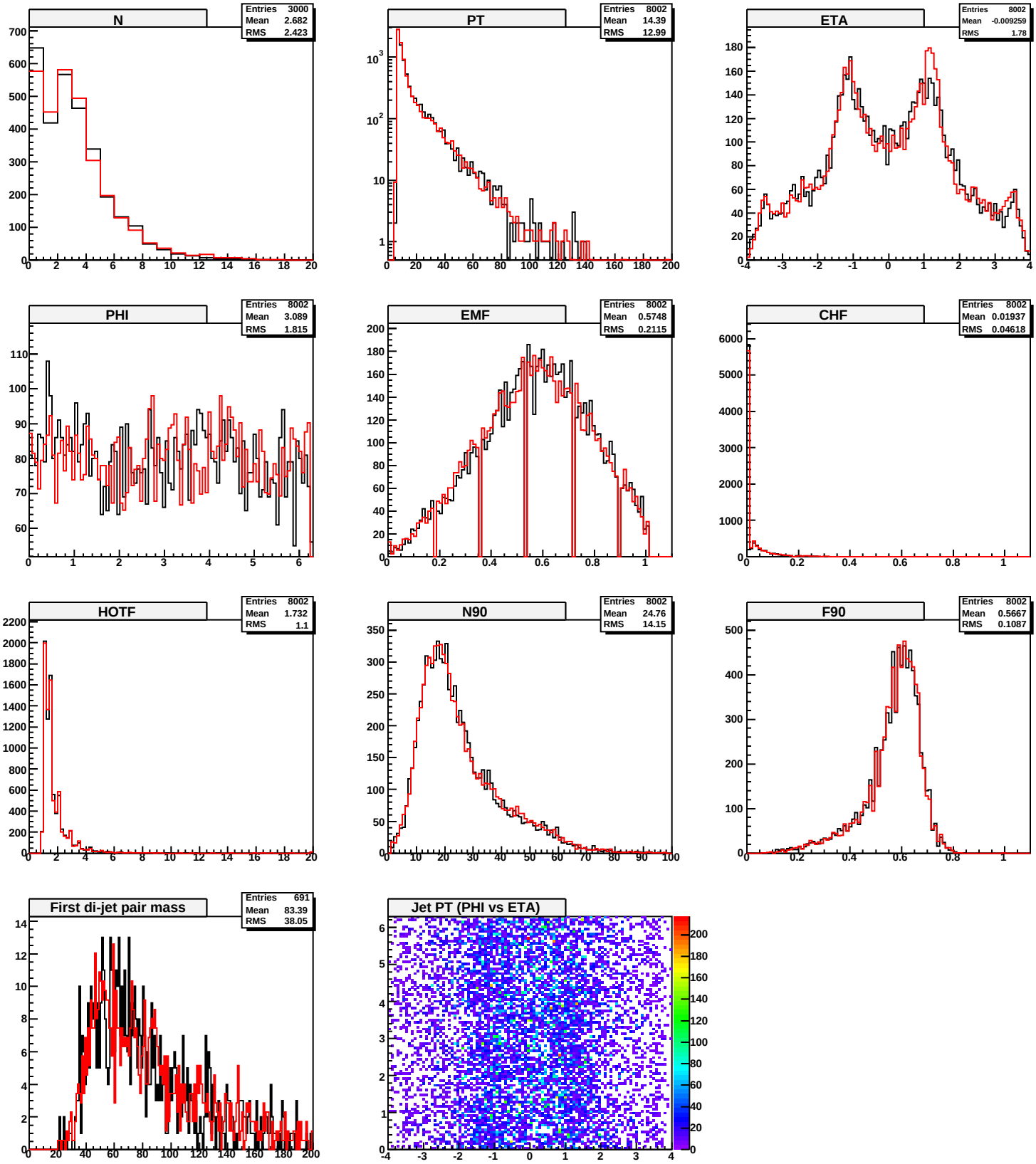

MEx
Entries 3000
Mean 0.3544
RMS 6.038
0
50
100
150
200
250
300
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 3000
Mean -0.5391
RMS 6.147
0
50
100
150
200
250
300
-50 -40 -30 -20 -10 0 10 20 30 40 50

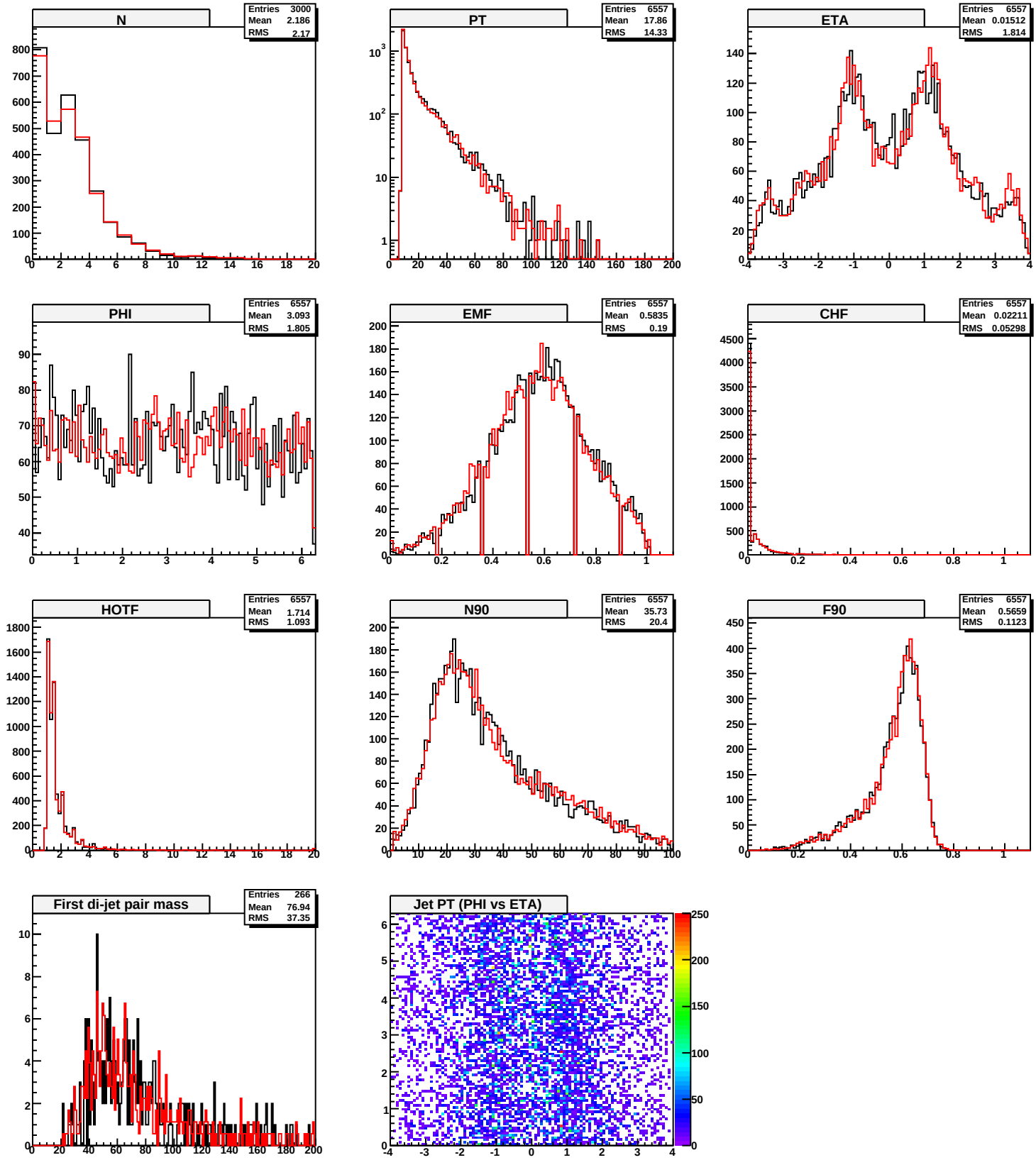
Met (No cuts)



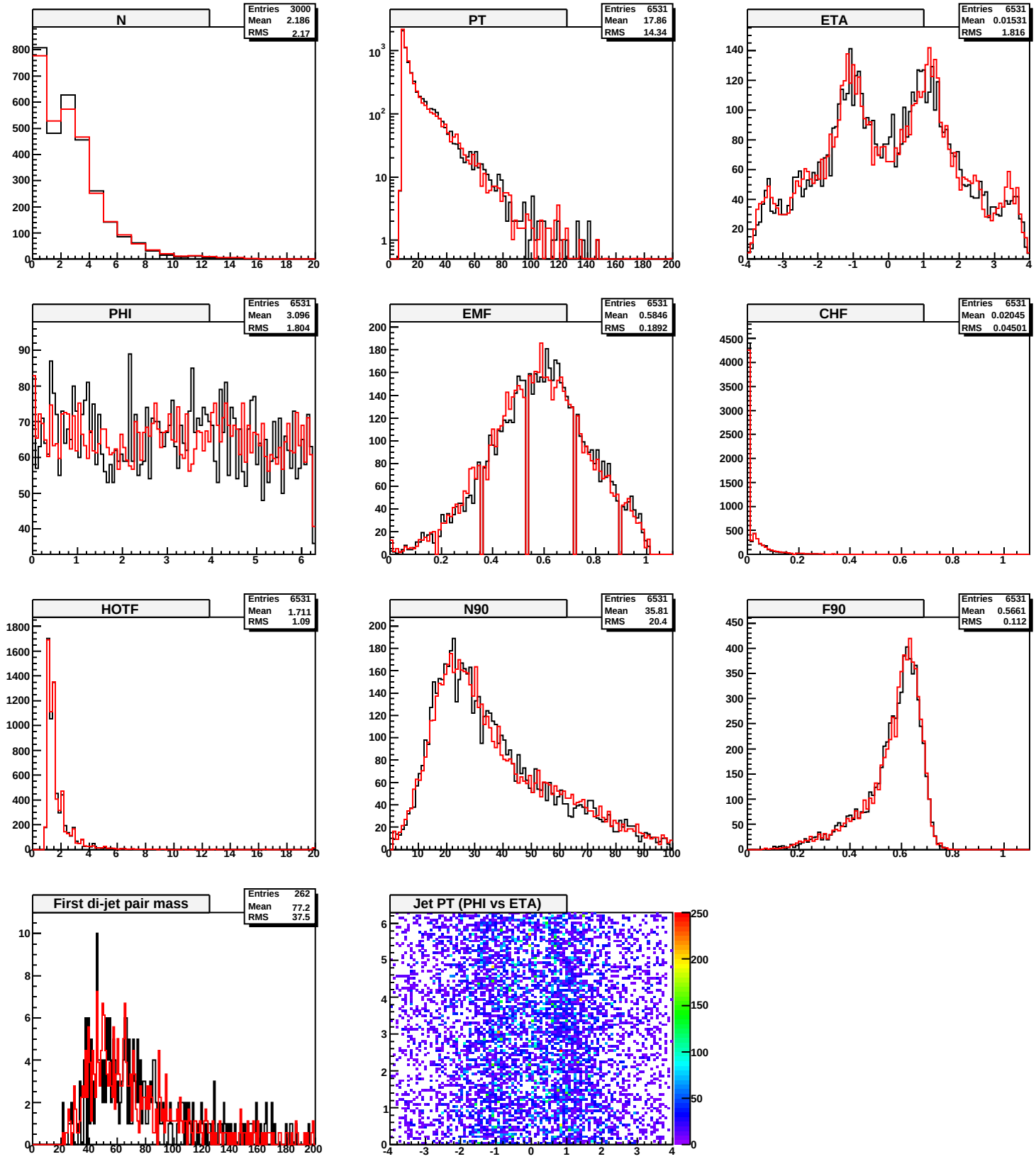
Jets (Cone R 0.7 (no cuts))



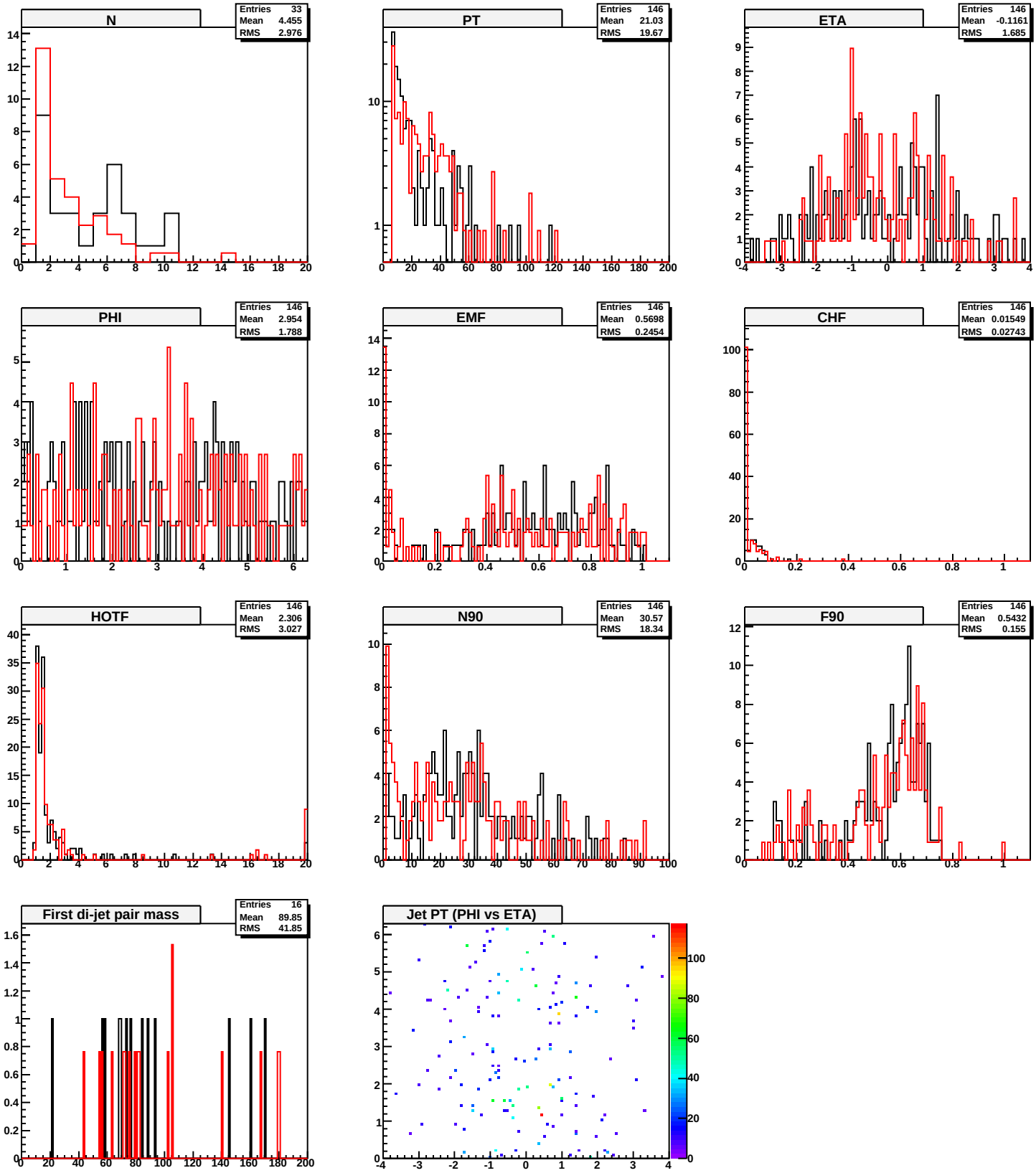
Jets (Cone R 0.7 (standard cuts))



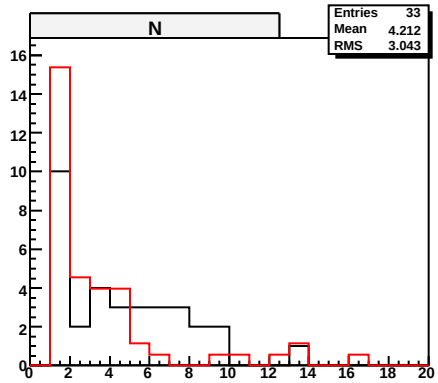
Jets (KT D 1 (no cuts))

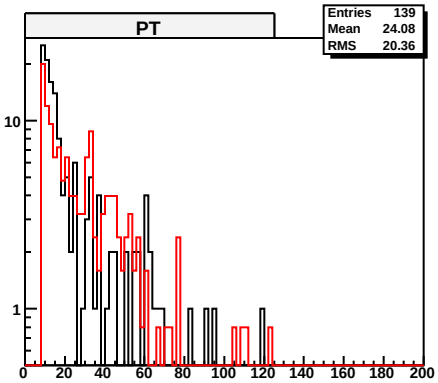


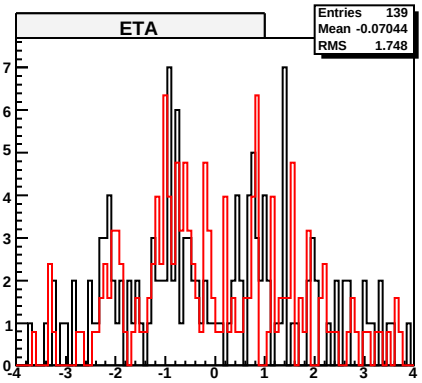
Jets (KT D 1 (standard cuts))

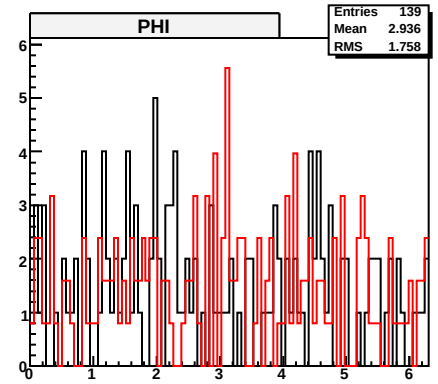


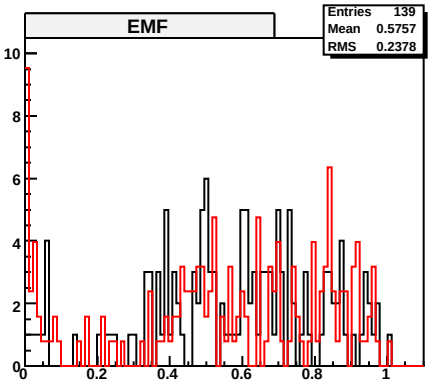
Jets (Cone R 0.7 (standard cuts, MET>30))

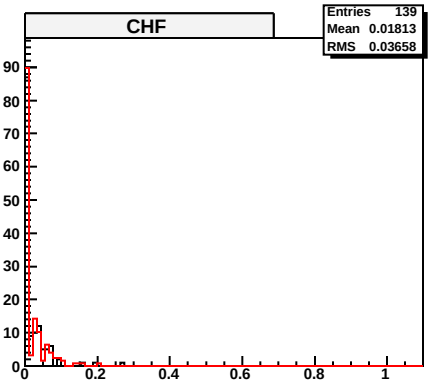


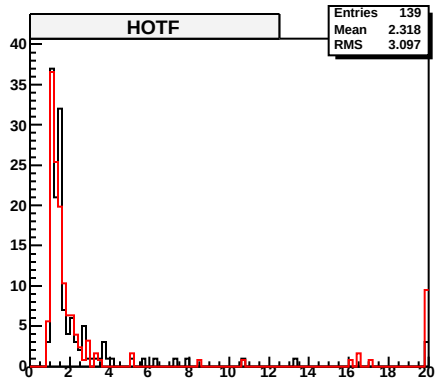


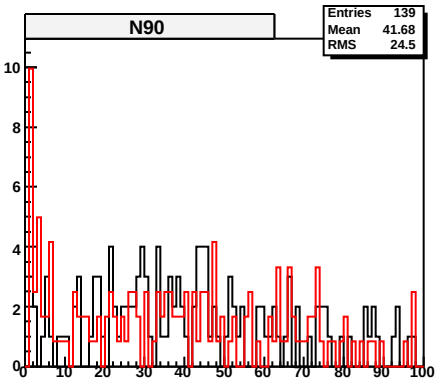


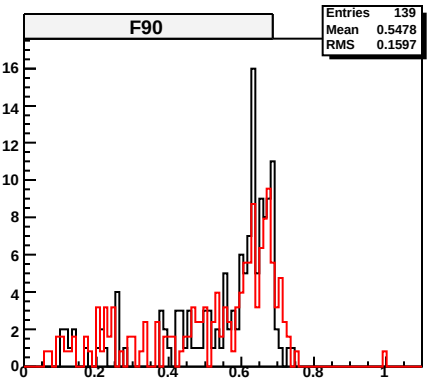


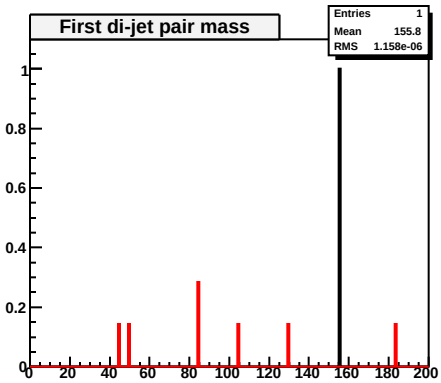


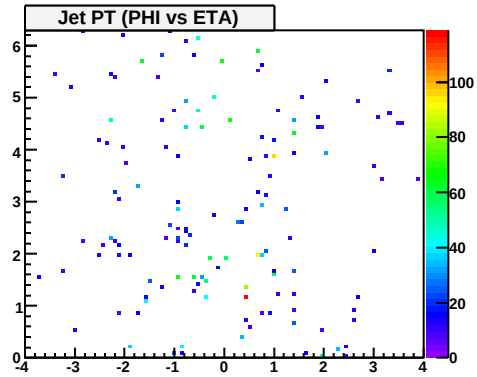




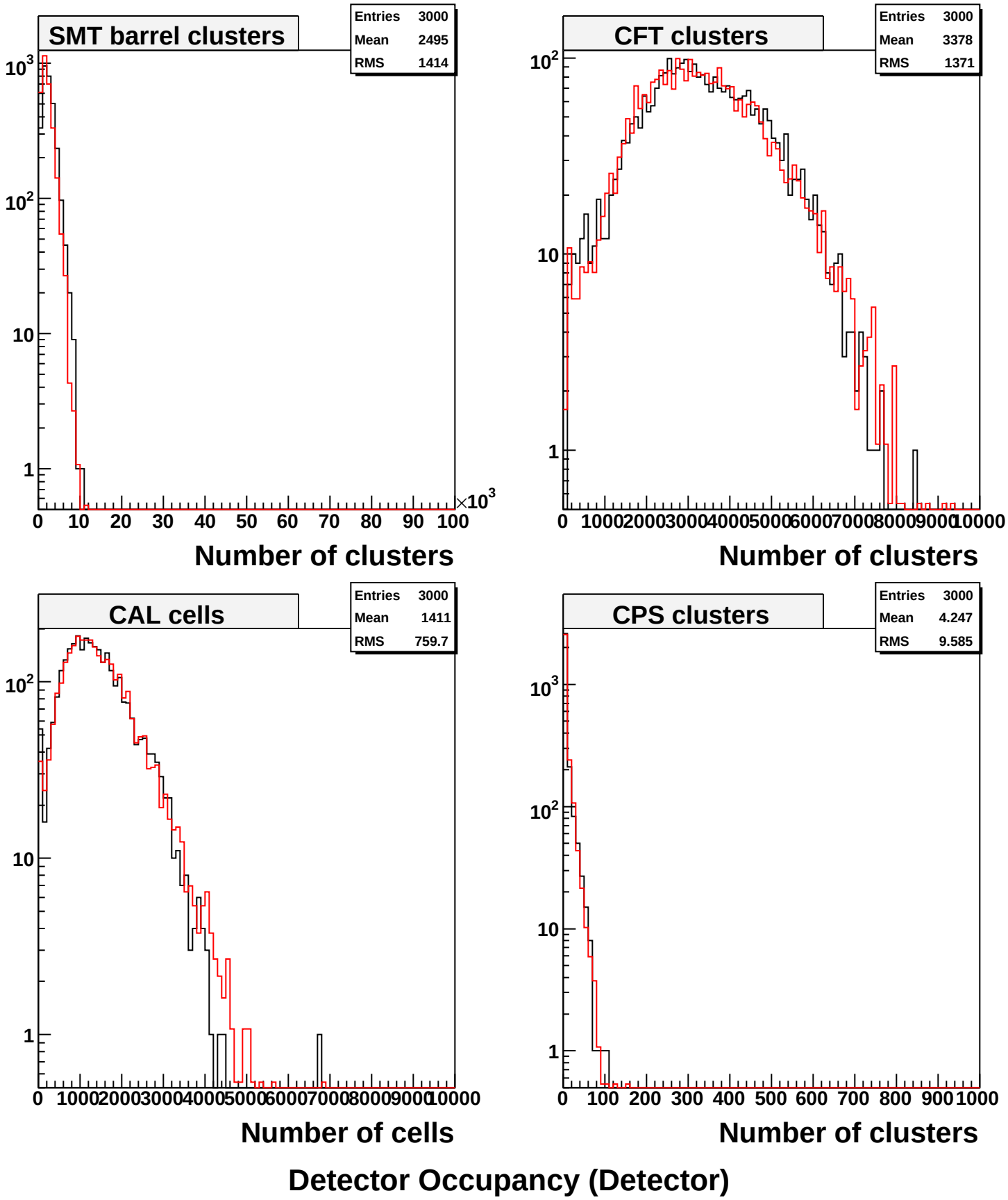


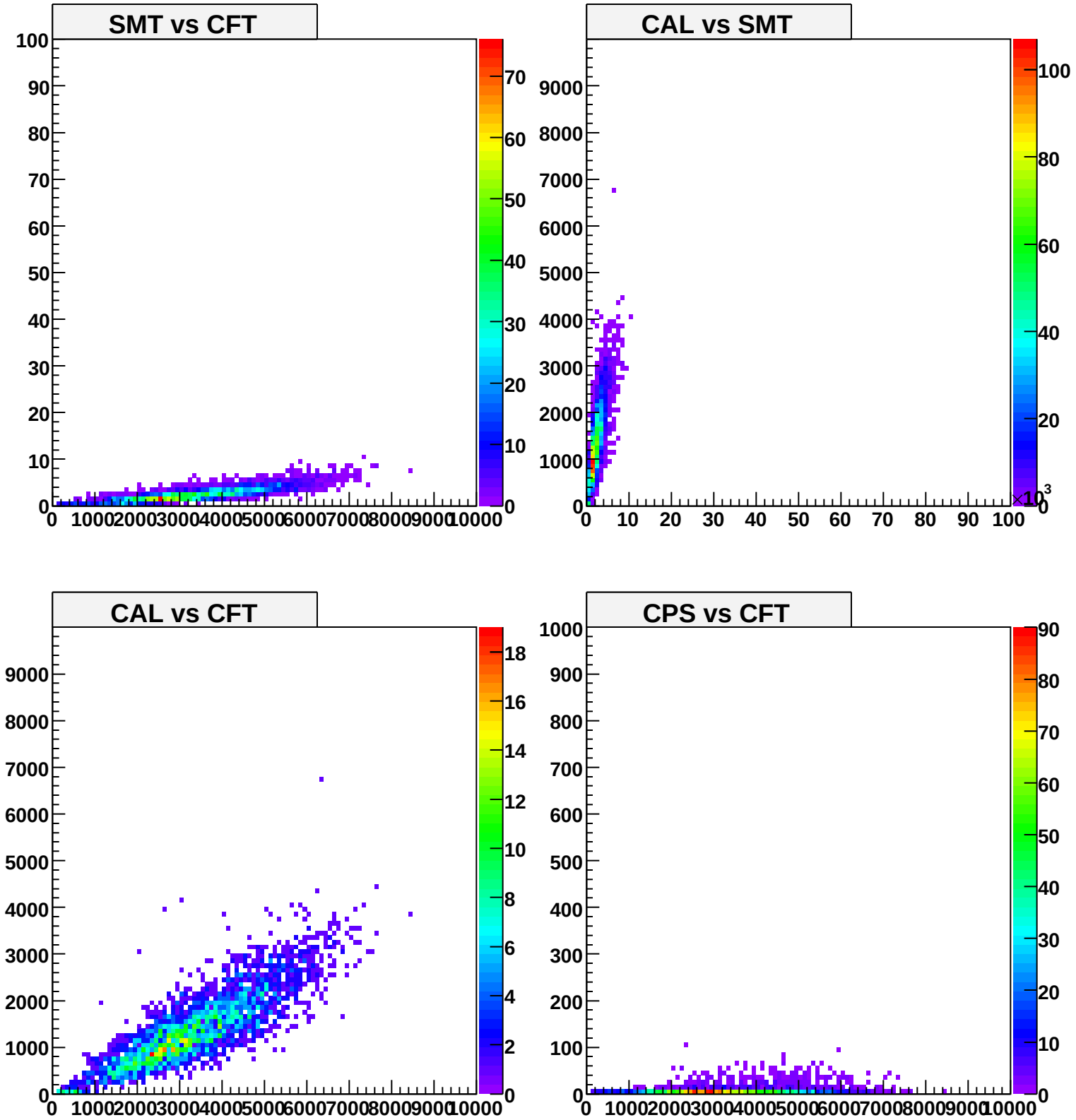


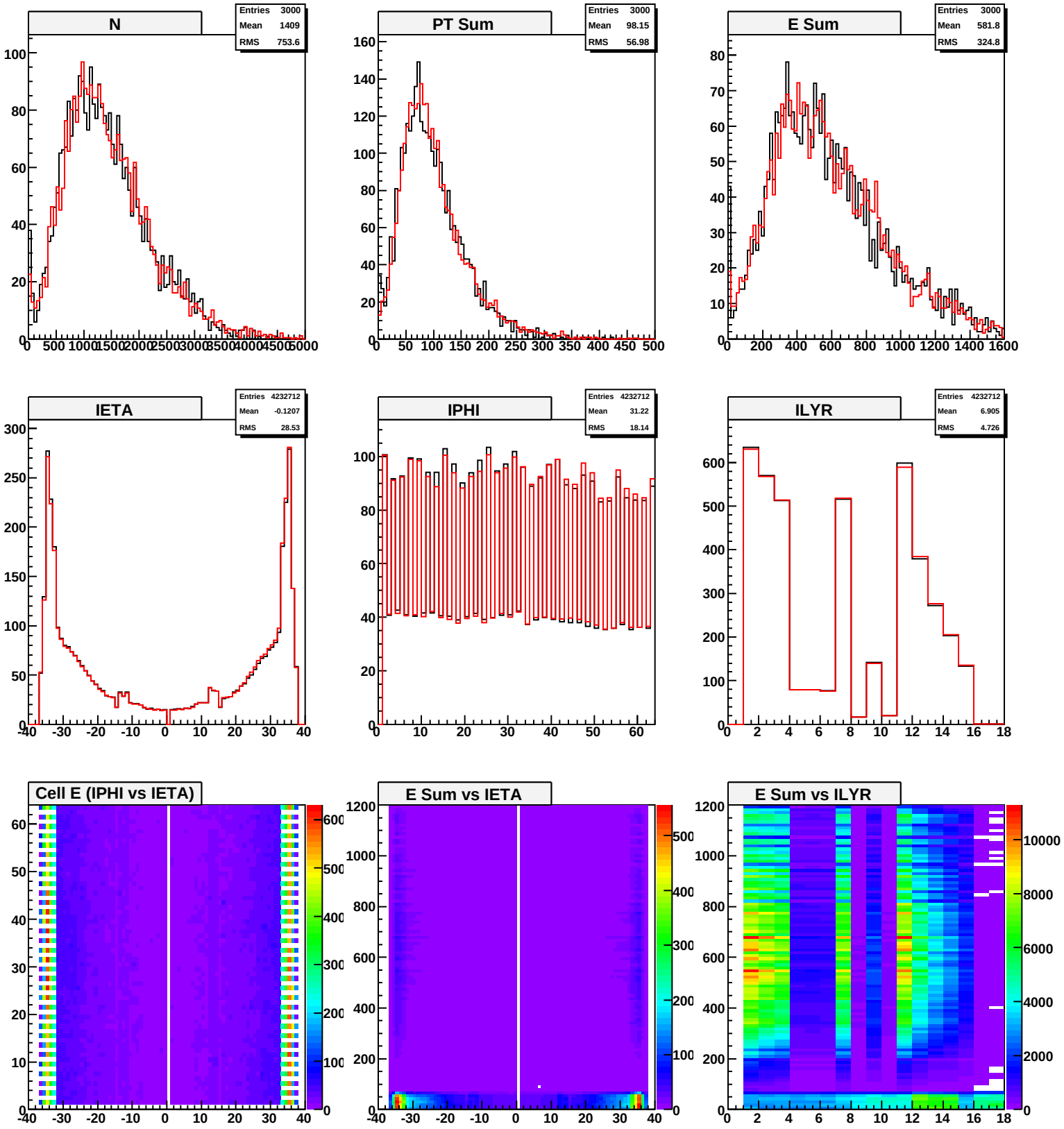




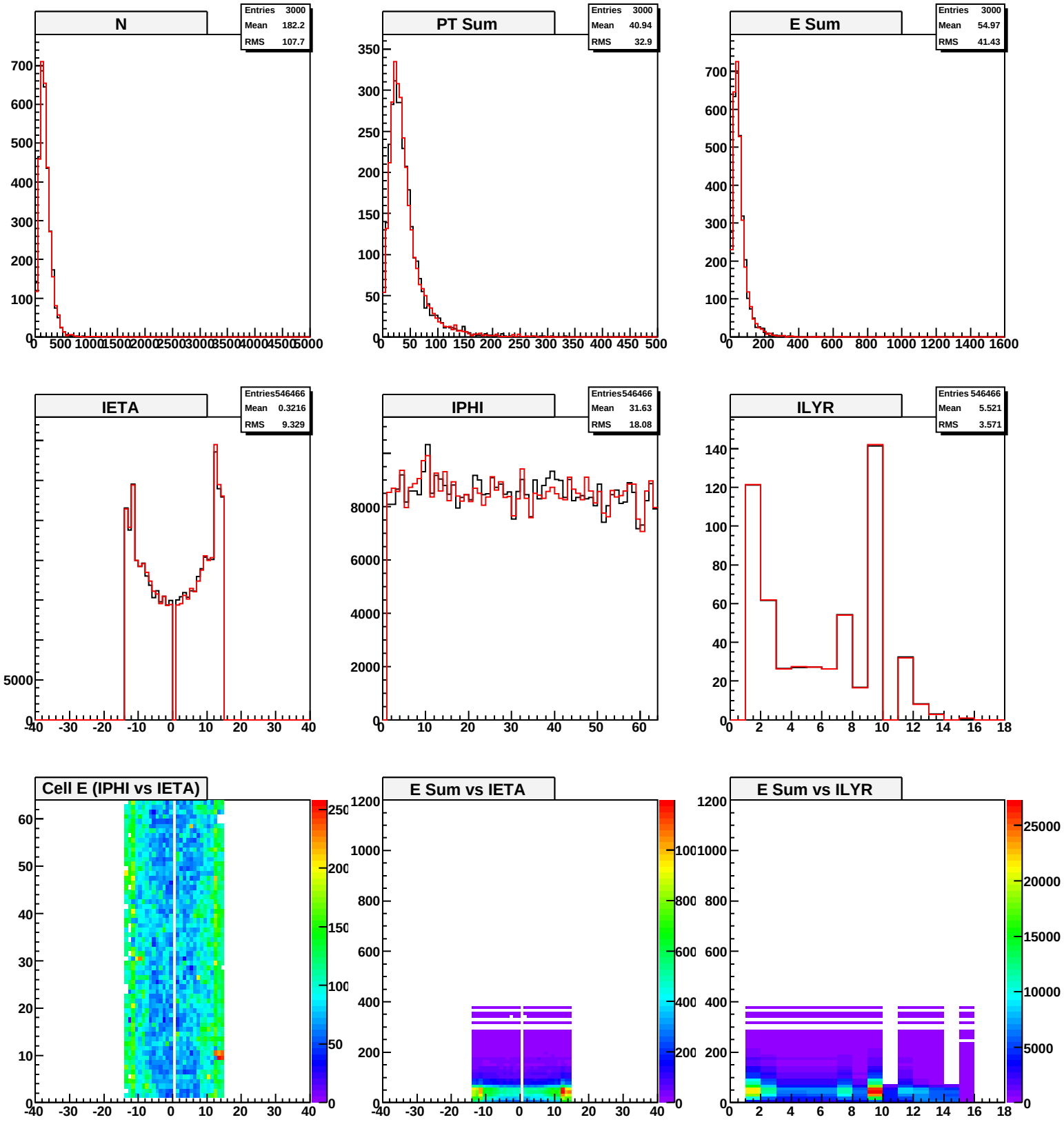
Jets (KT D 1 (standard cuts, MET>30))


SMT barrel clusters
Entries 3000
Mean 2495
RMS 1414
Number of clusters
CFT clusters
Entries 3000
Mean 3378
RMS 1371
Number of clusters
CAL cells
Entries 3000
Mean 1411
RMS 759.7
Number of cells
CPS clusters
Entries 3000
Mean 4.247
RMS 9.585
Number of clusters
Detector Occupancy (Detector)

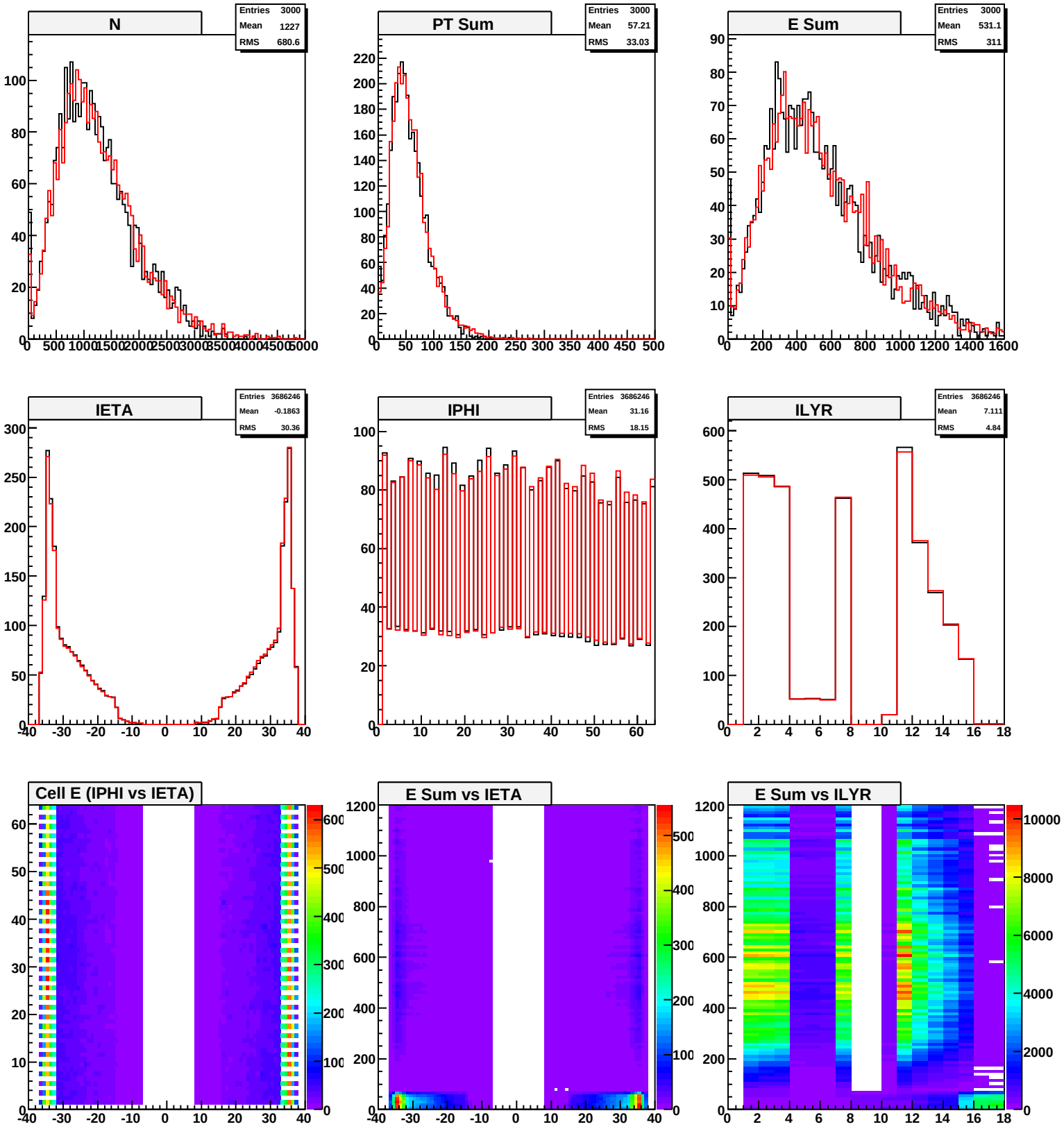

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



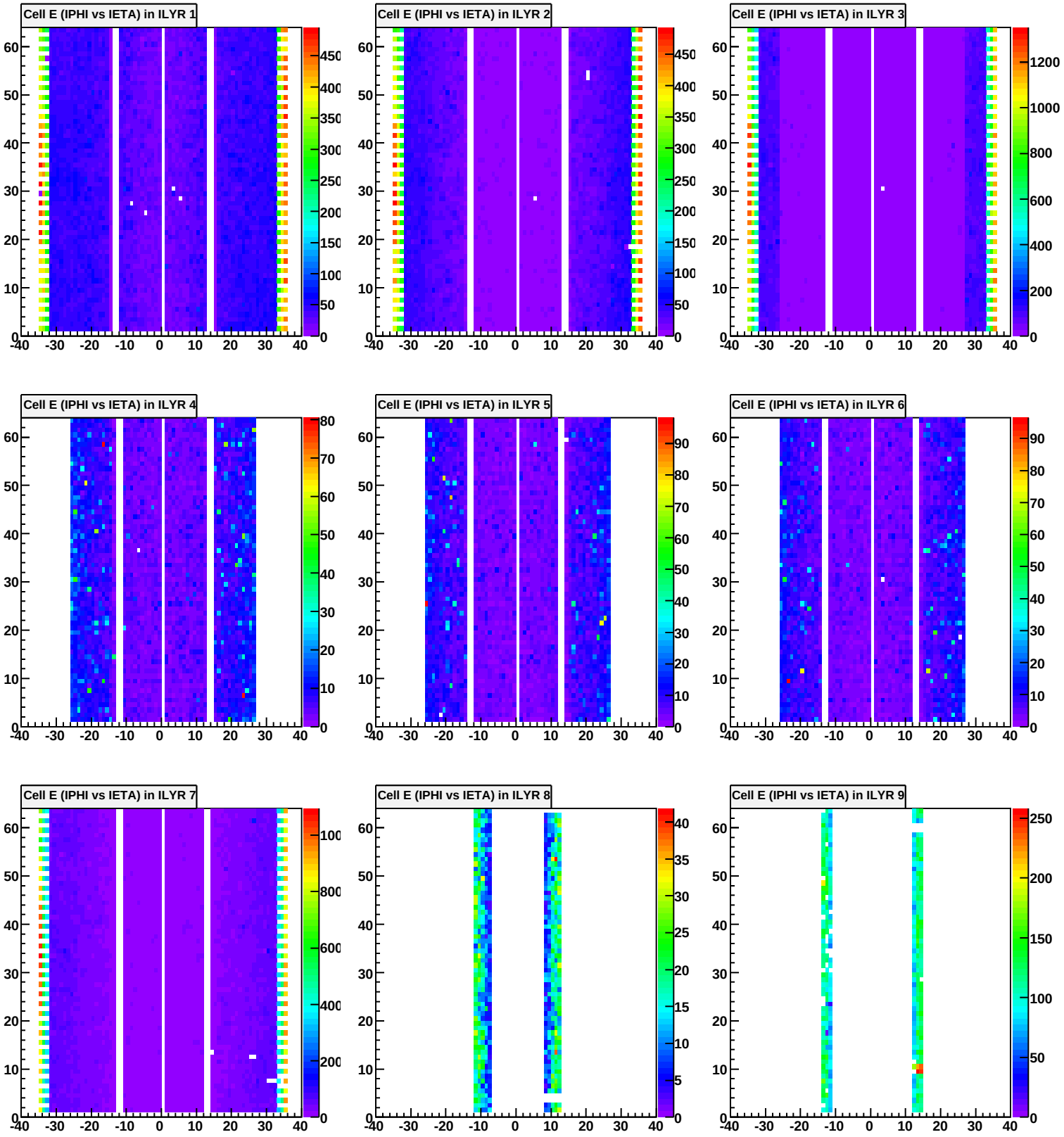
Calorimeter (All cells)



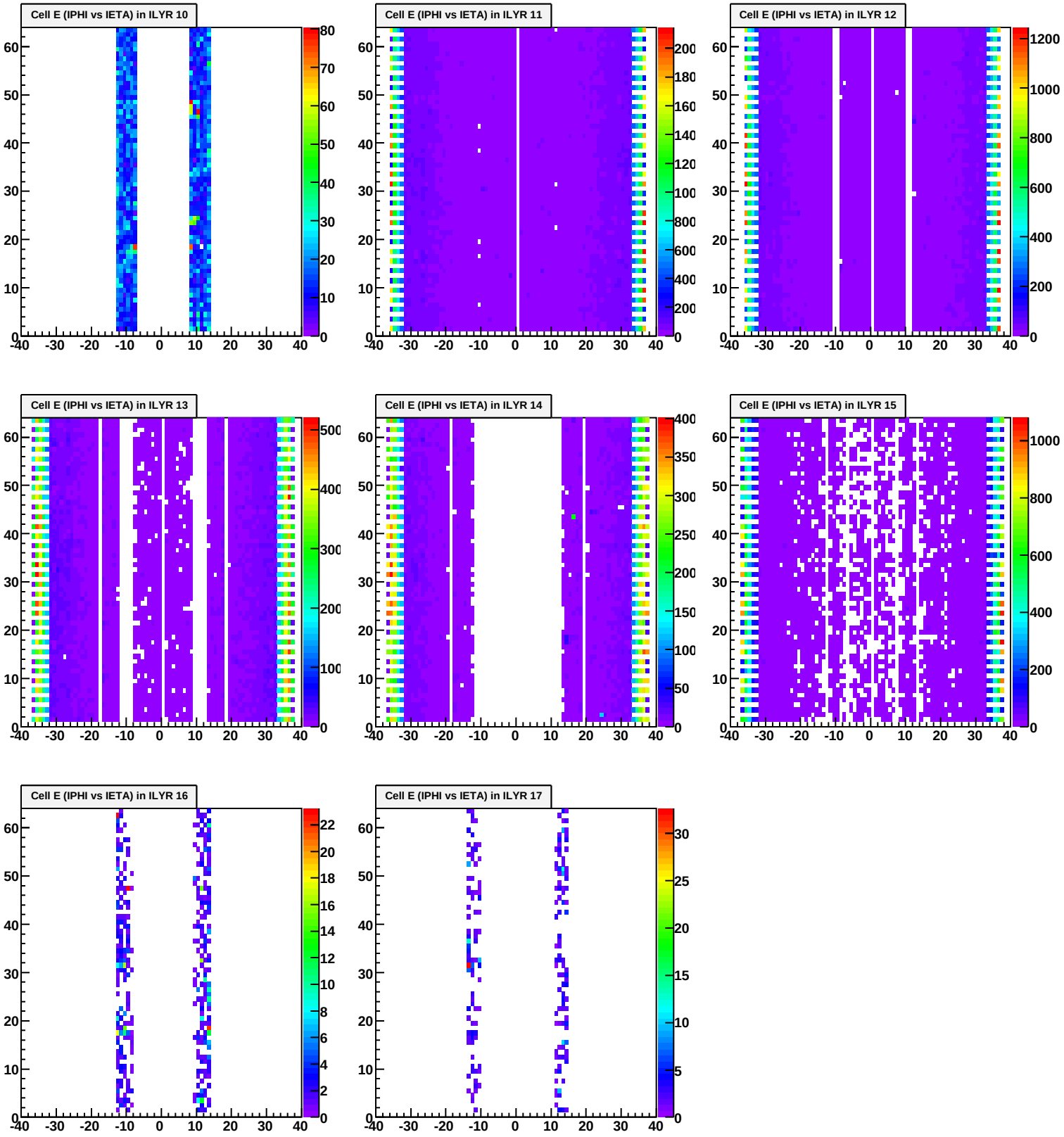
Calorimeter (All CC cells)



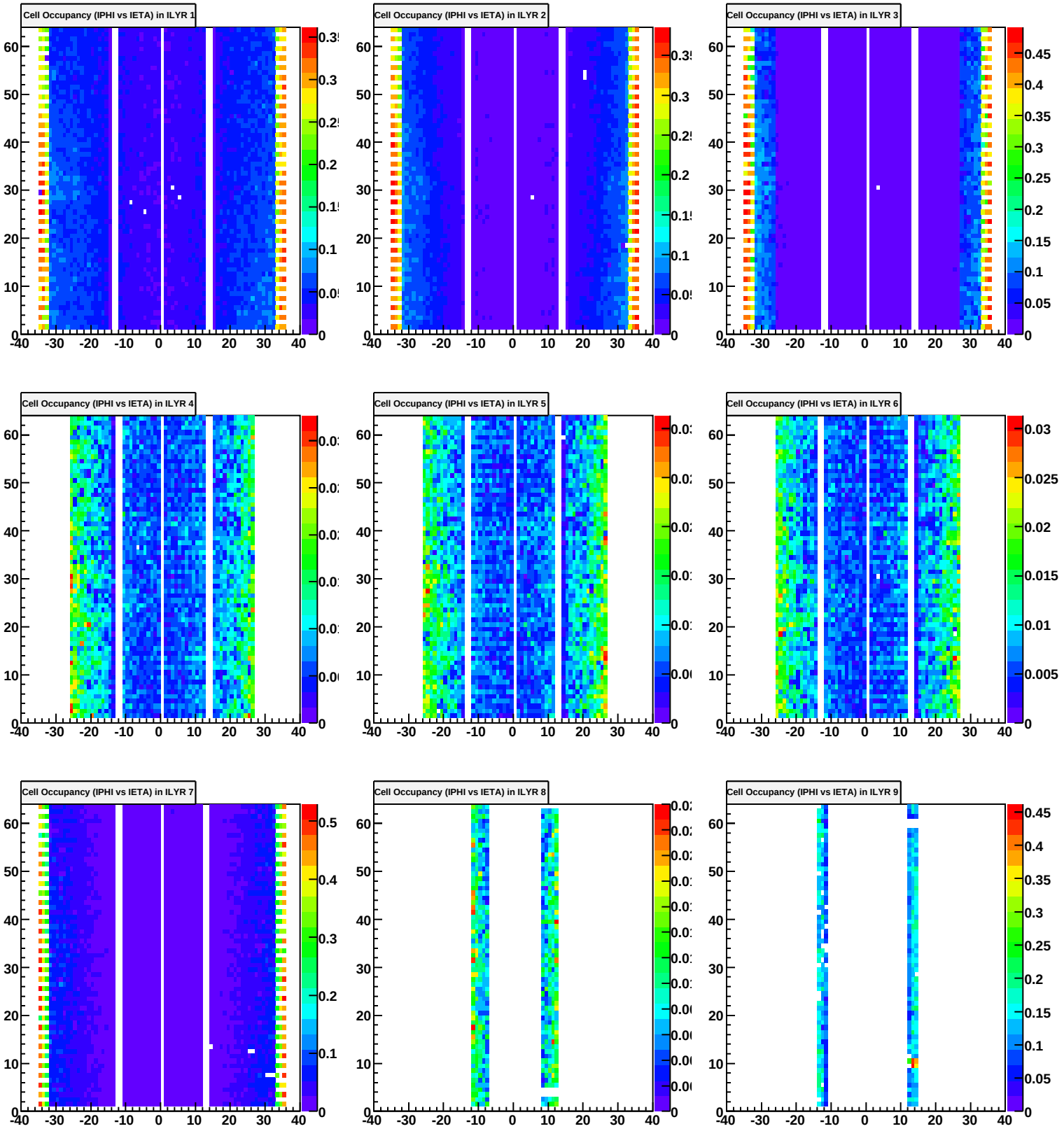
Calorimeter (All EC cells)



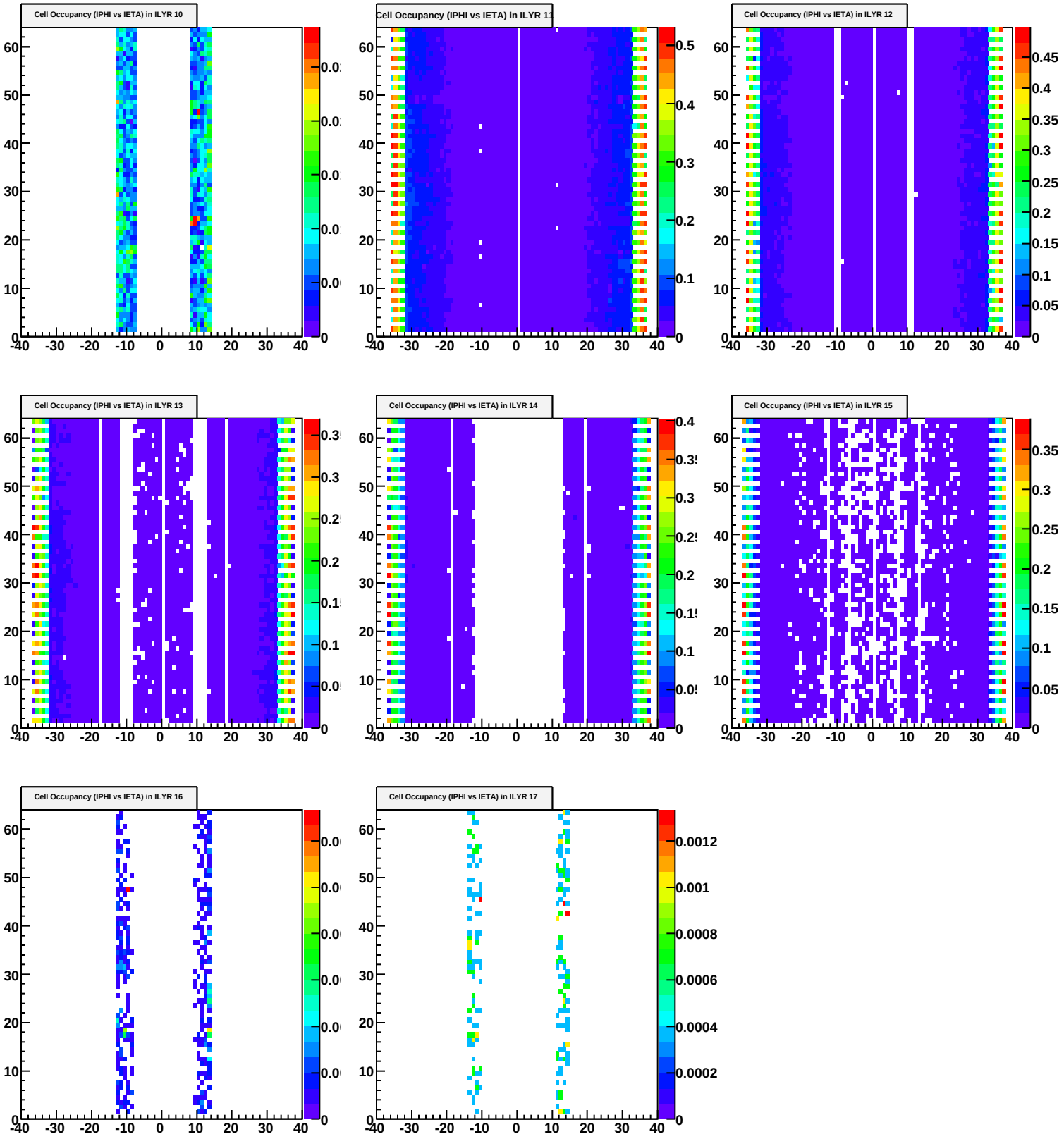
Calorimeter Cell Energy ILYR 1-9 (All cells)



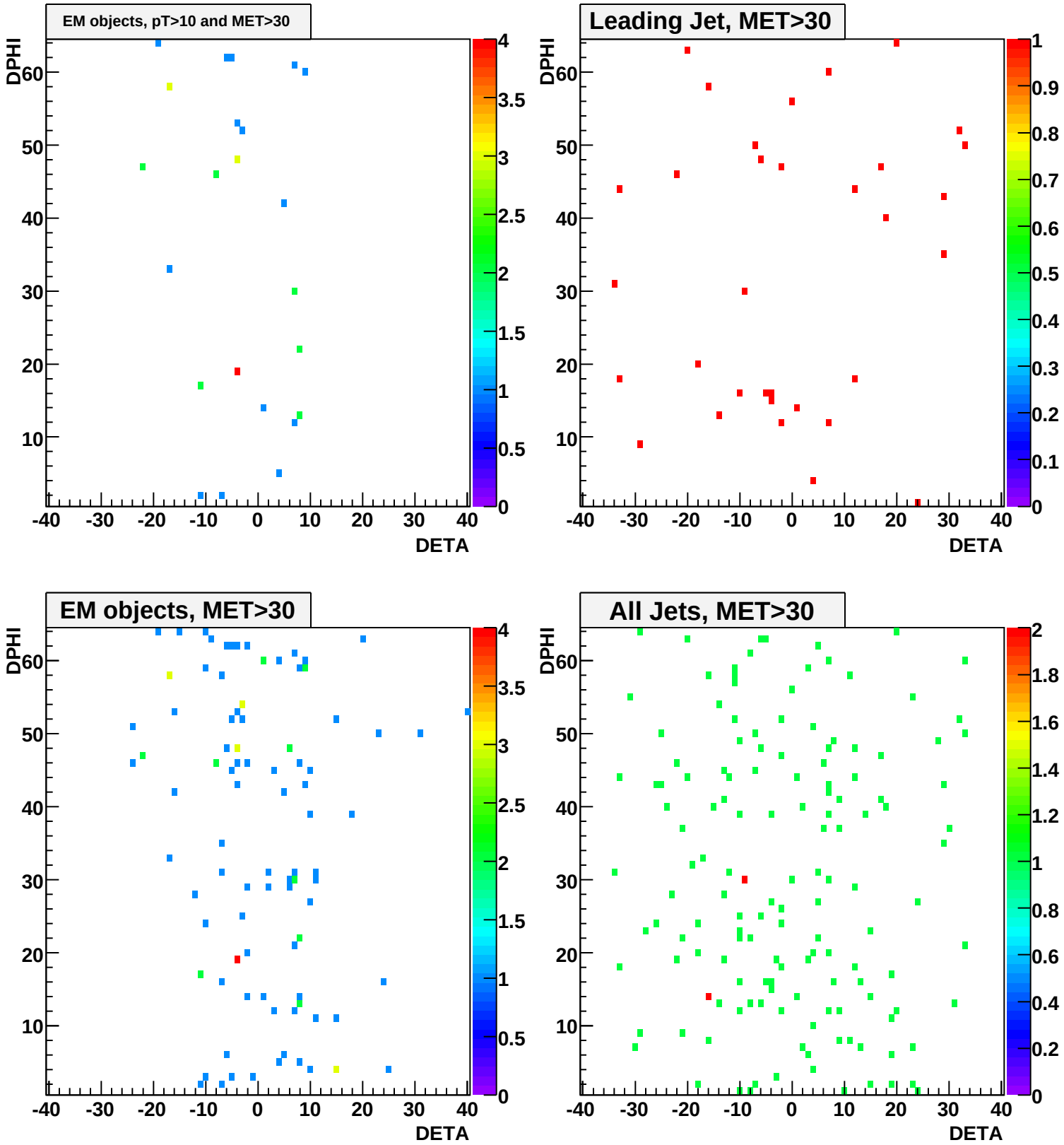
Calorimeter Cell Energy ILYR 10-17 (All cells)



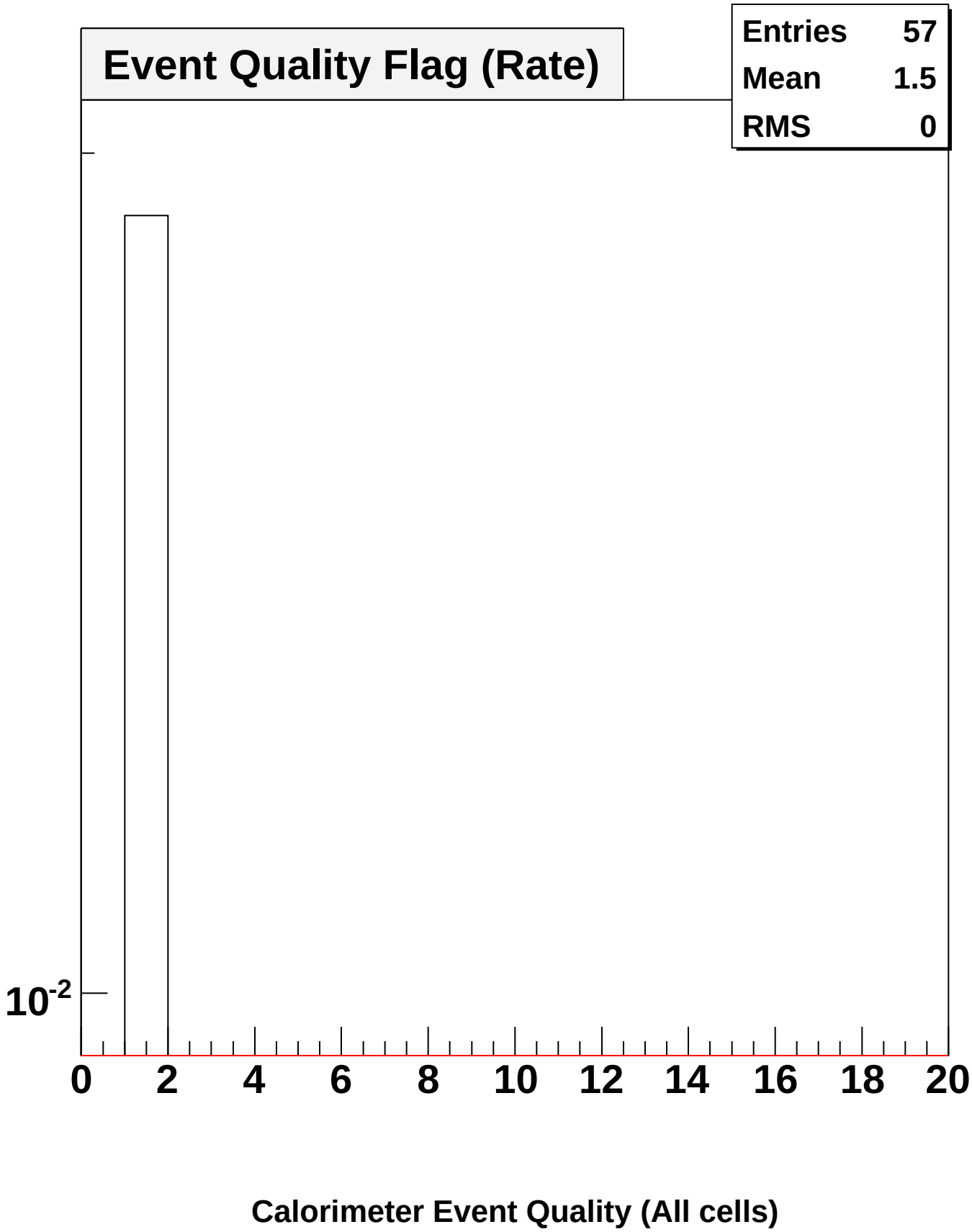
Calorimeter Occupancy ILYR 1-9 (All cells)

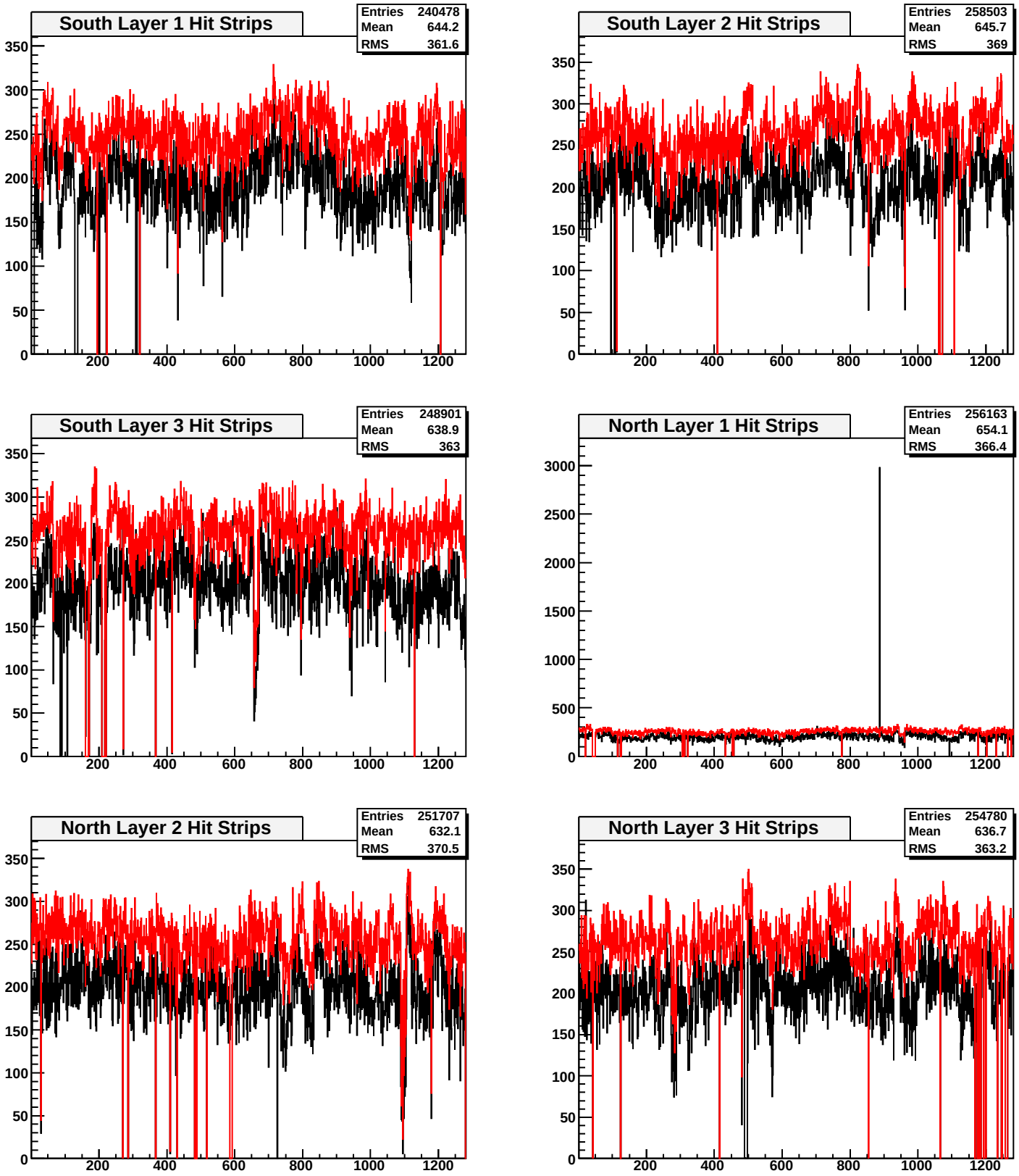


Calorimeter Occupancy ILYR 10-17 (All cells)

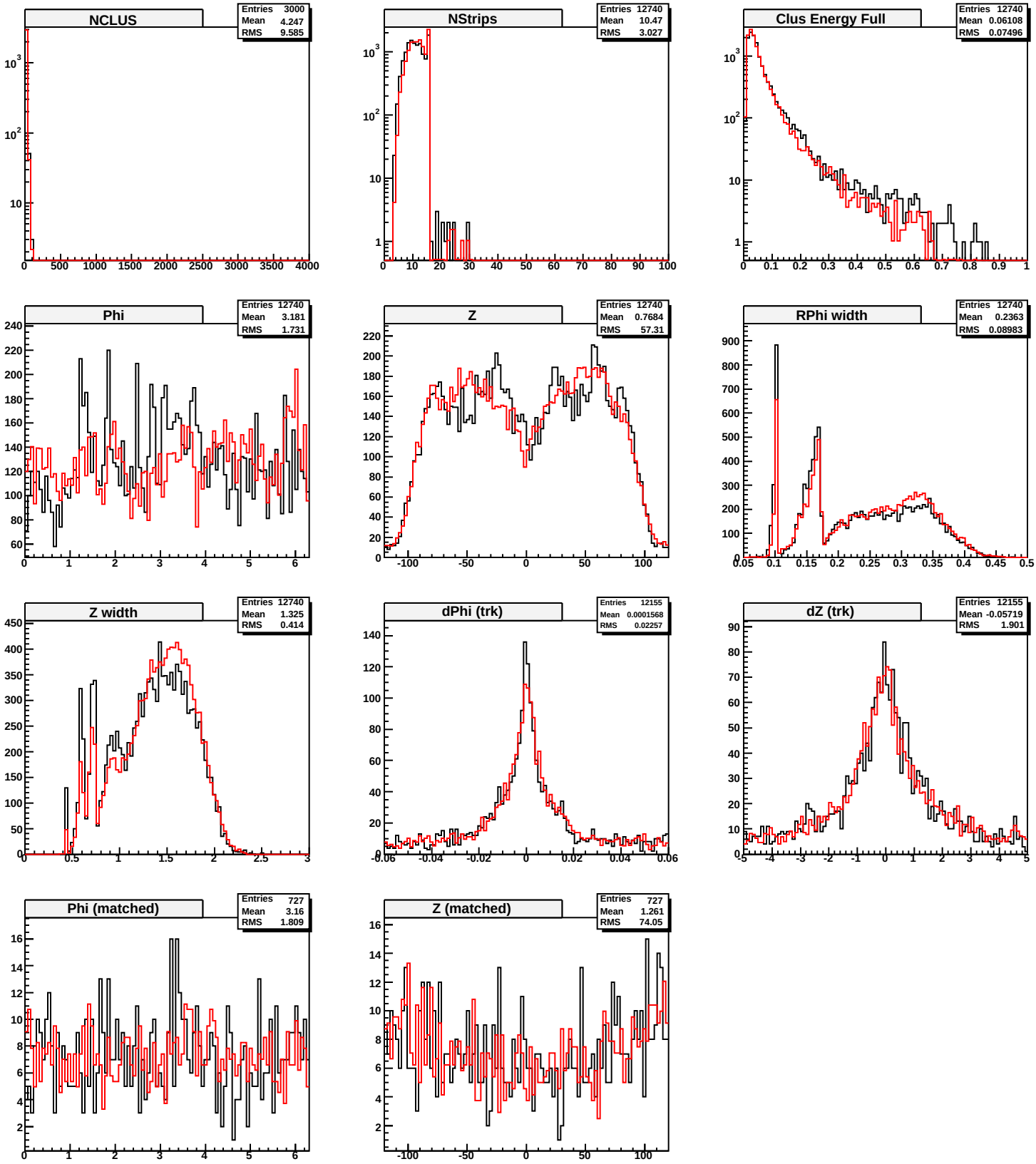


Cal Objects with MET>30 (All cells)

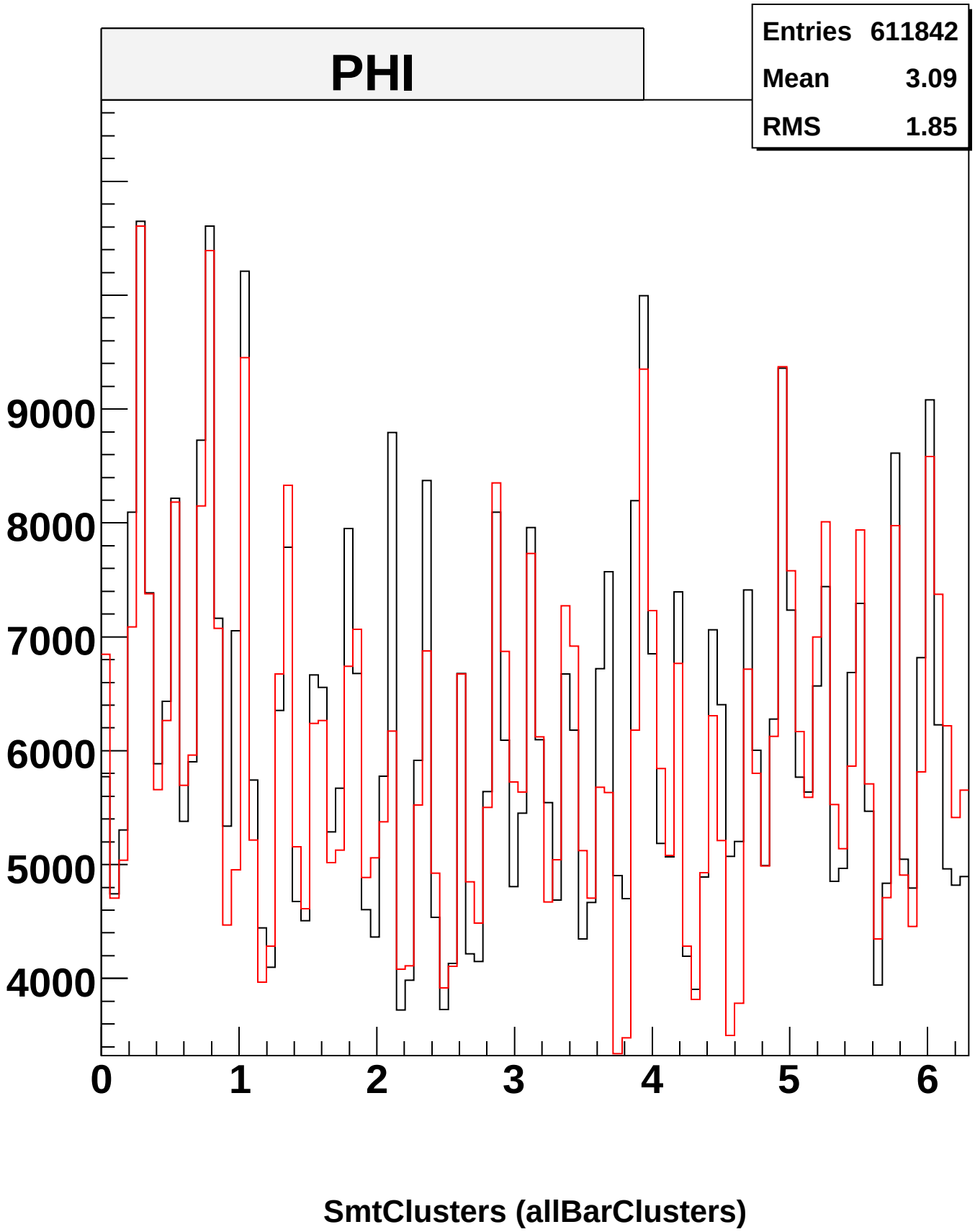

Event Quality Flag (Rate)
Entries 57
Mean 1.5
RMS 0
10-2
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

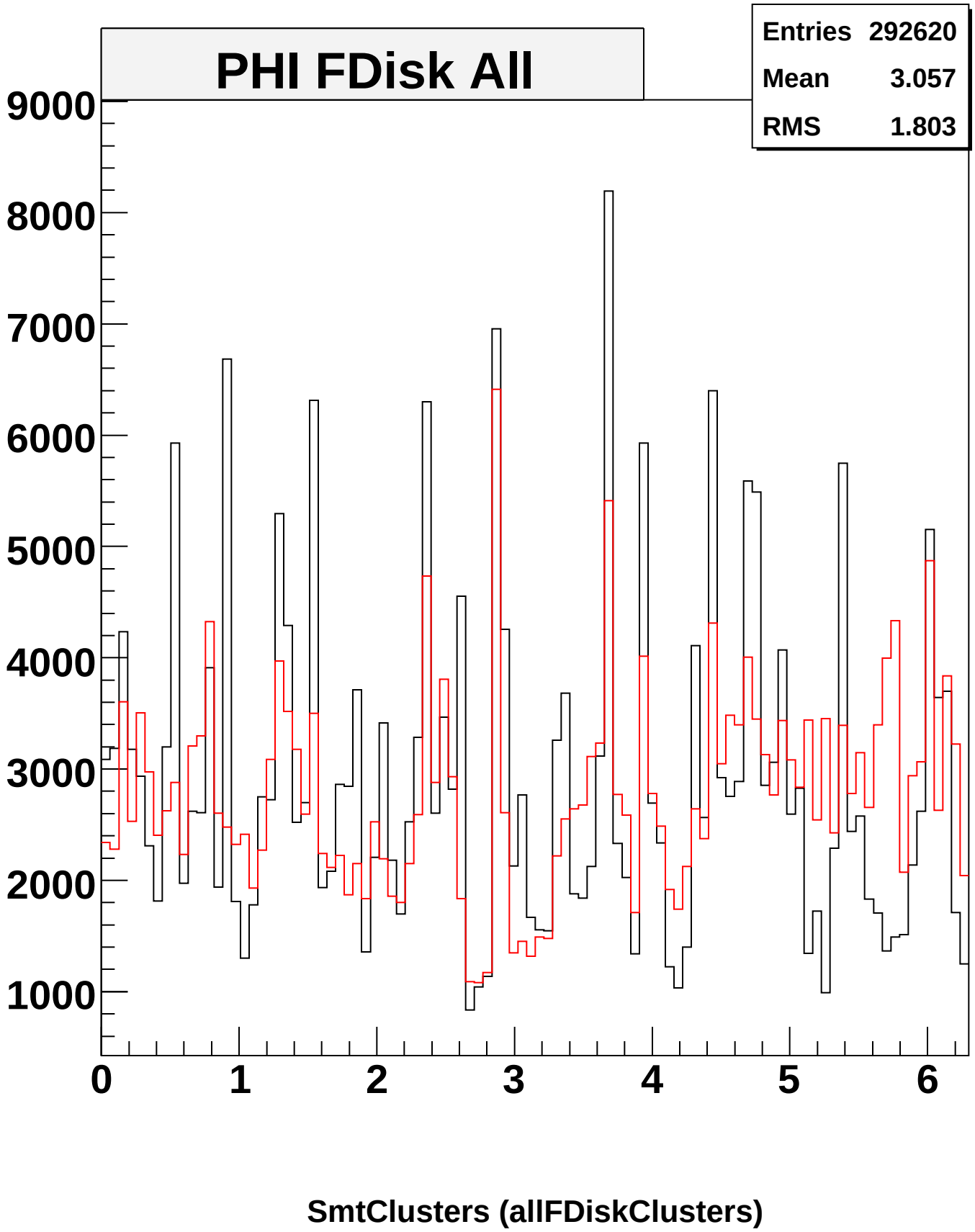


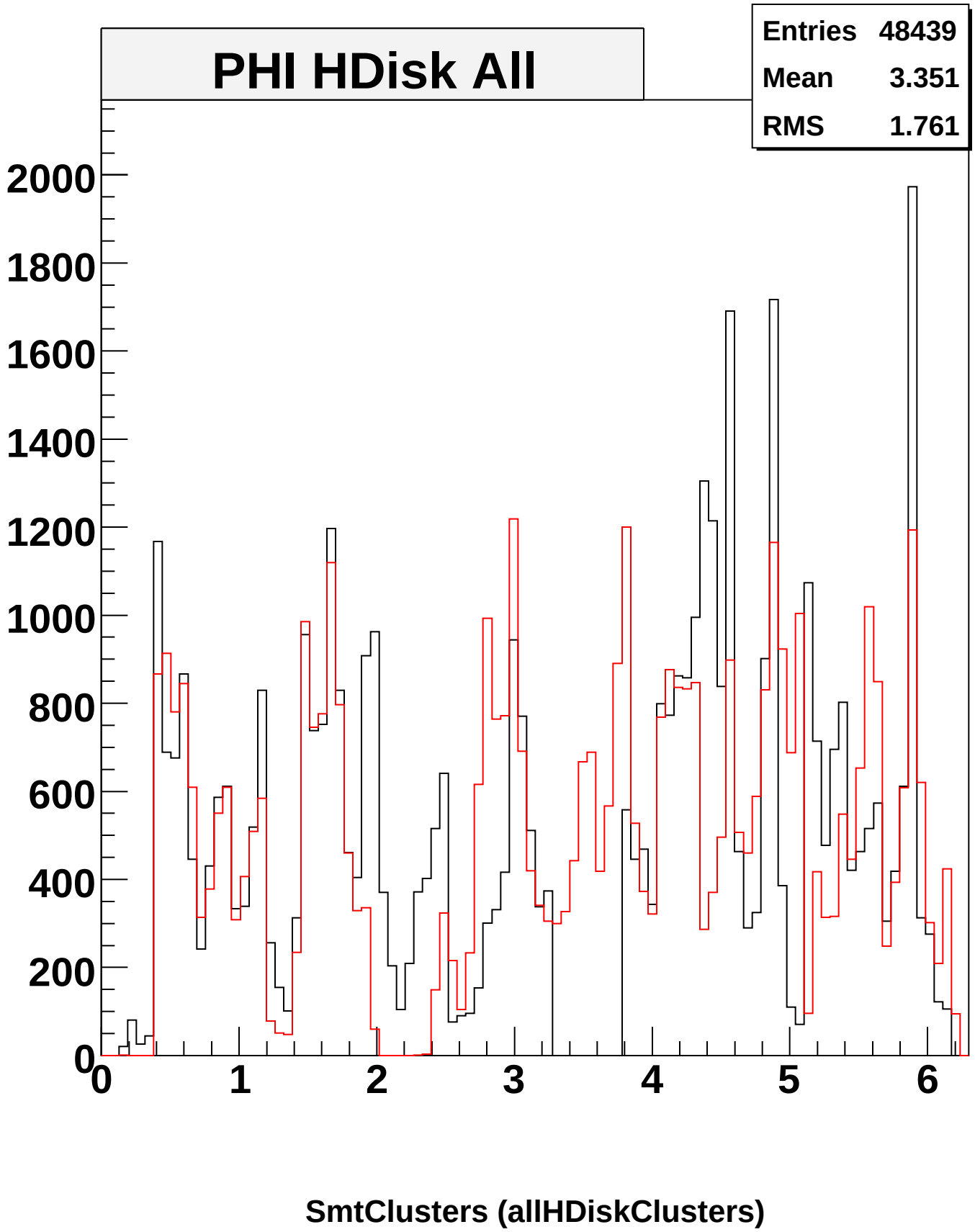
CPS Hit Strips (All Clusters)

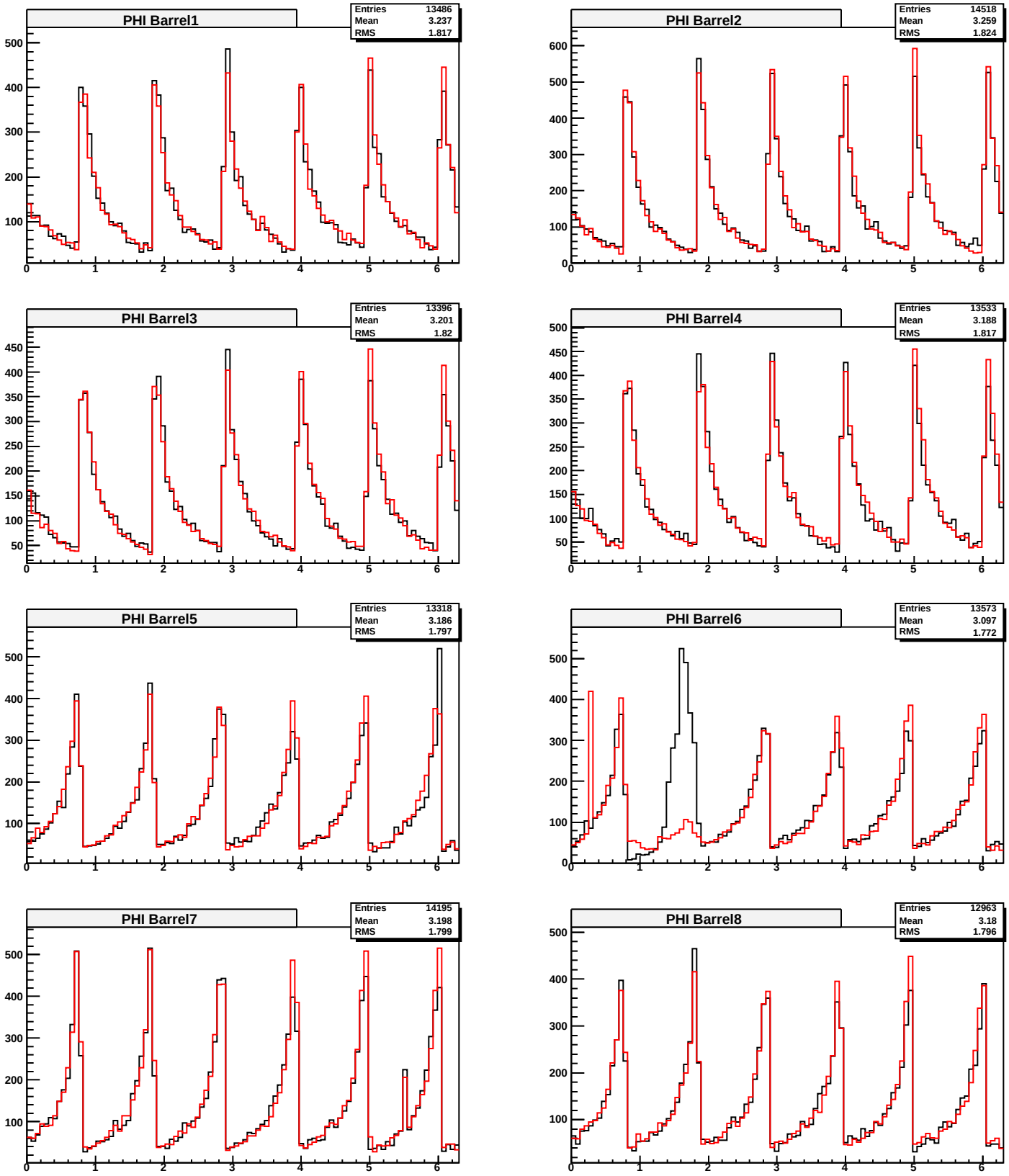


CPS Clusters (All Clusters)

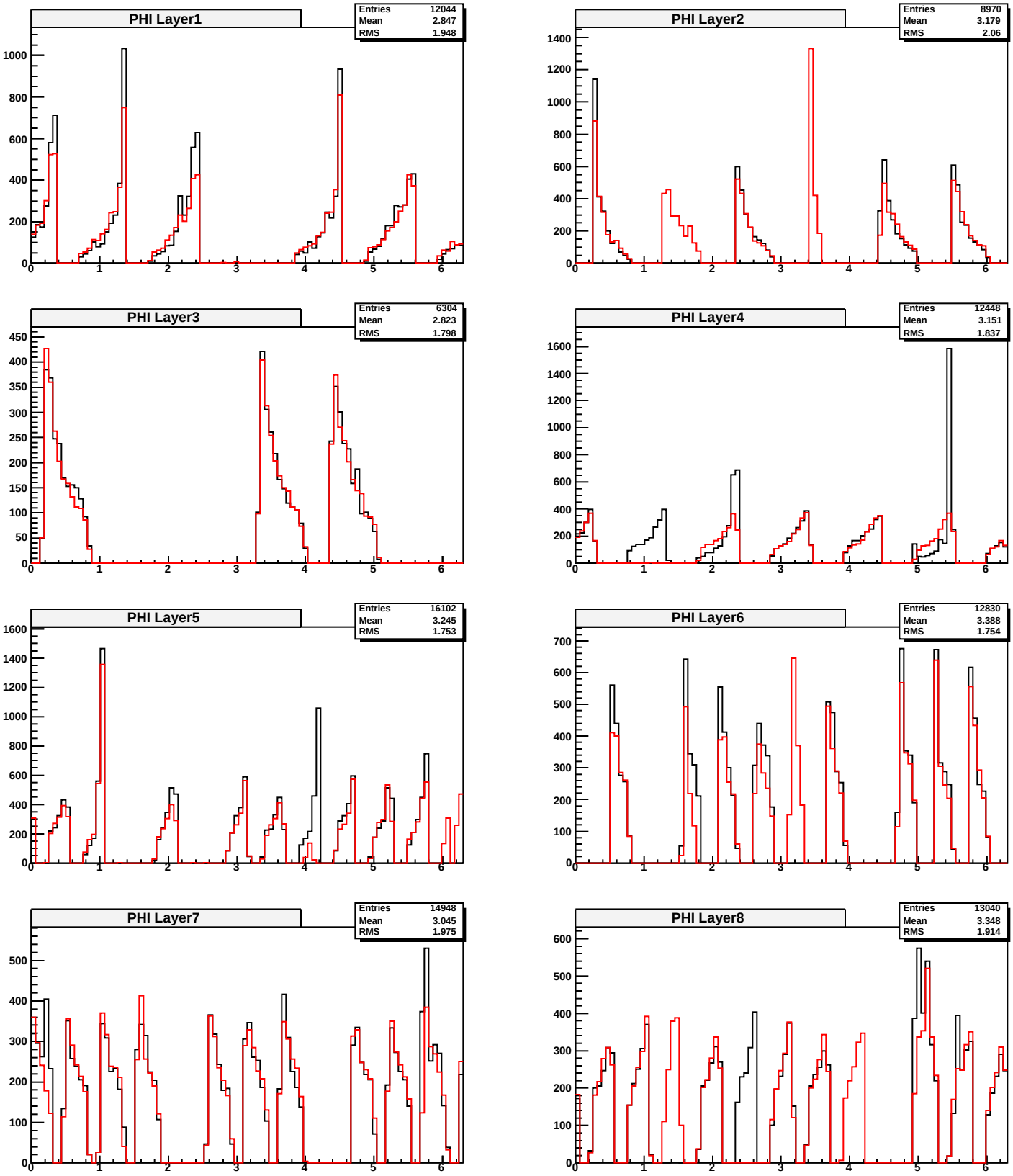

PHI
Entries 611842
Mean 3.09
RMS 1.85
9000
8000
7000
6000
5000
4000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 292620
Mean 3.057
RMS 1.803
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

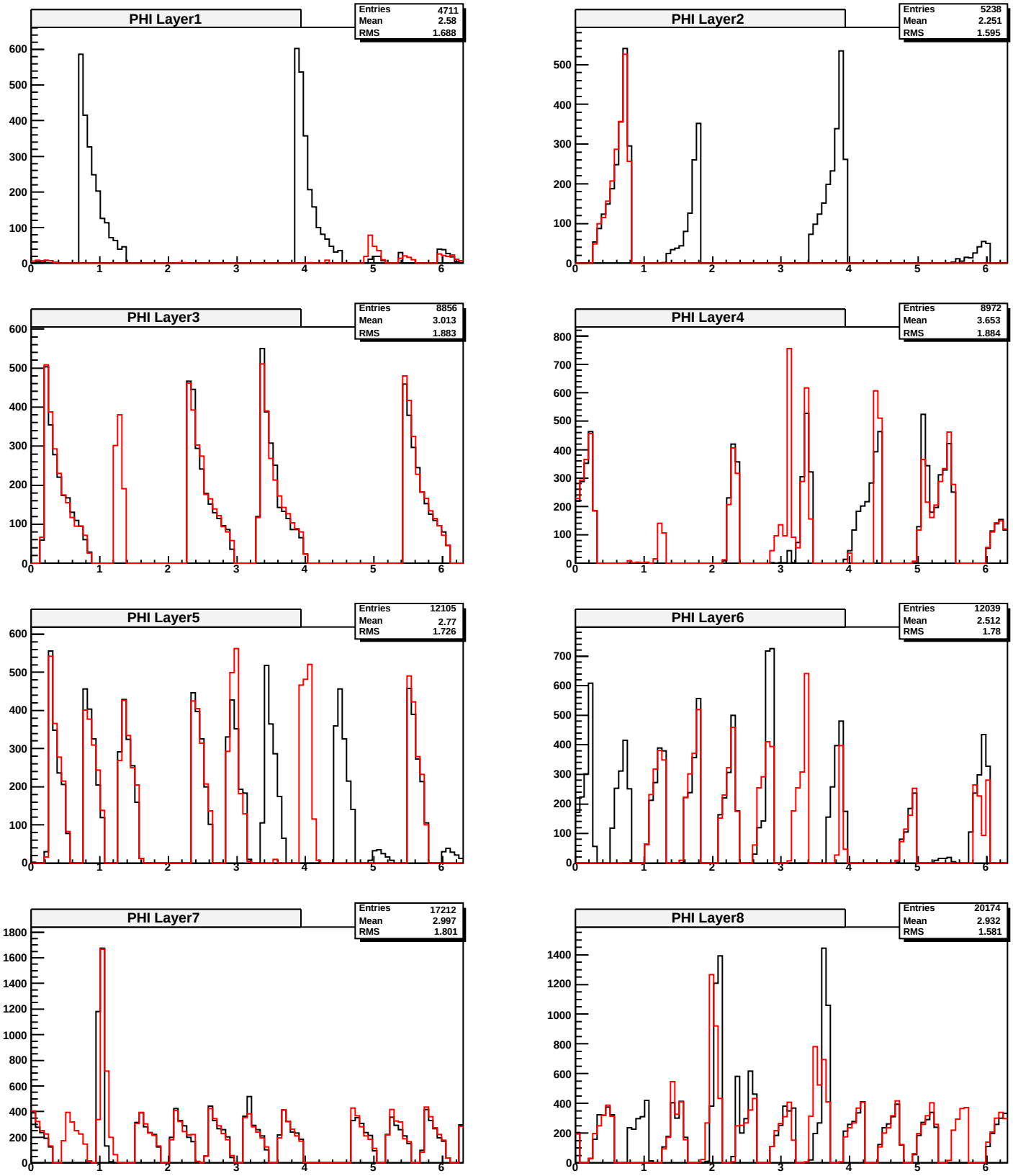

PHI HDisk All
Entries 48439
Mean 3.351
RMS 1.761
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



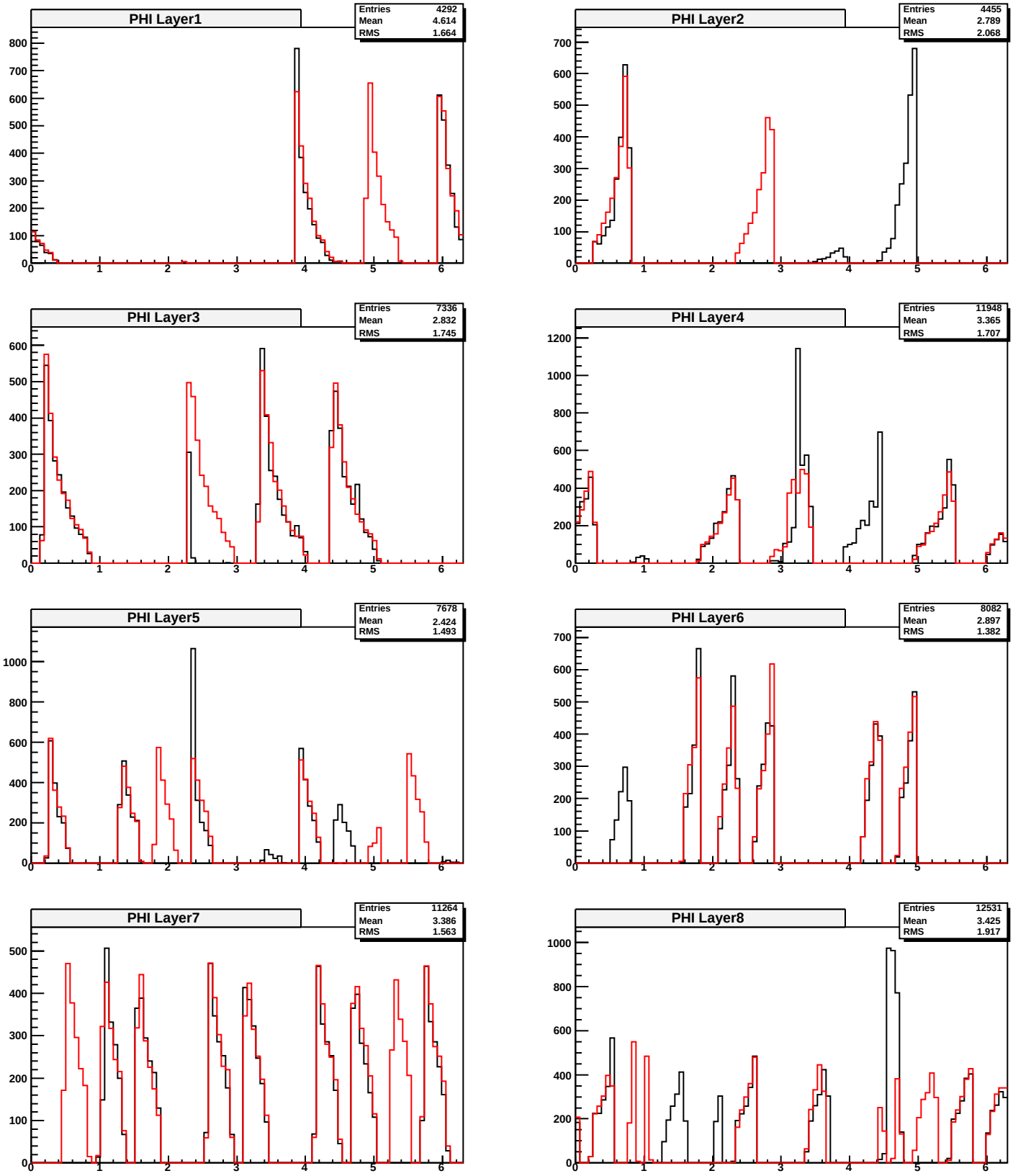
SmtClusters (ClustrLayer0)



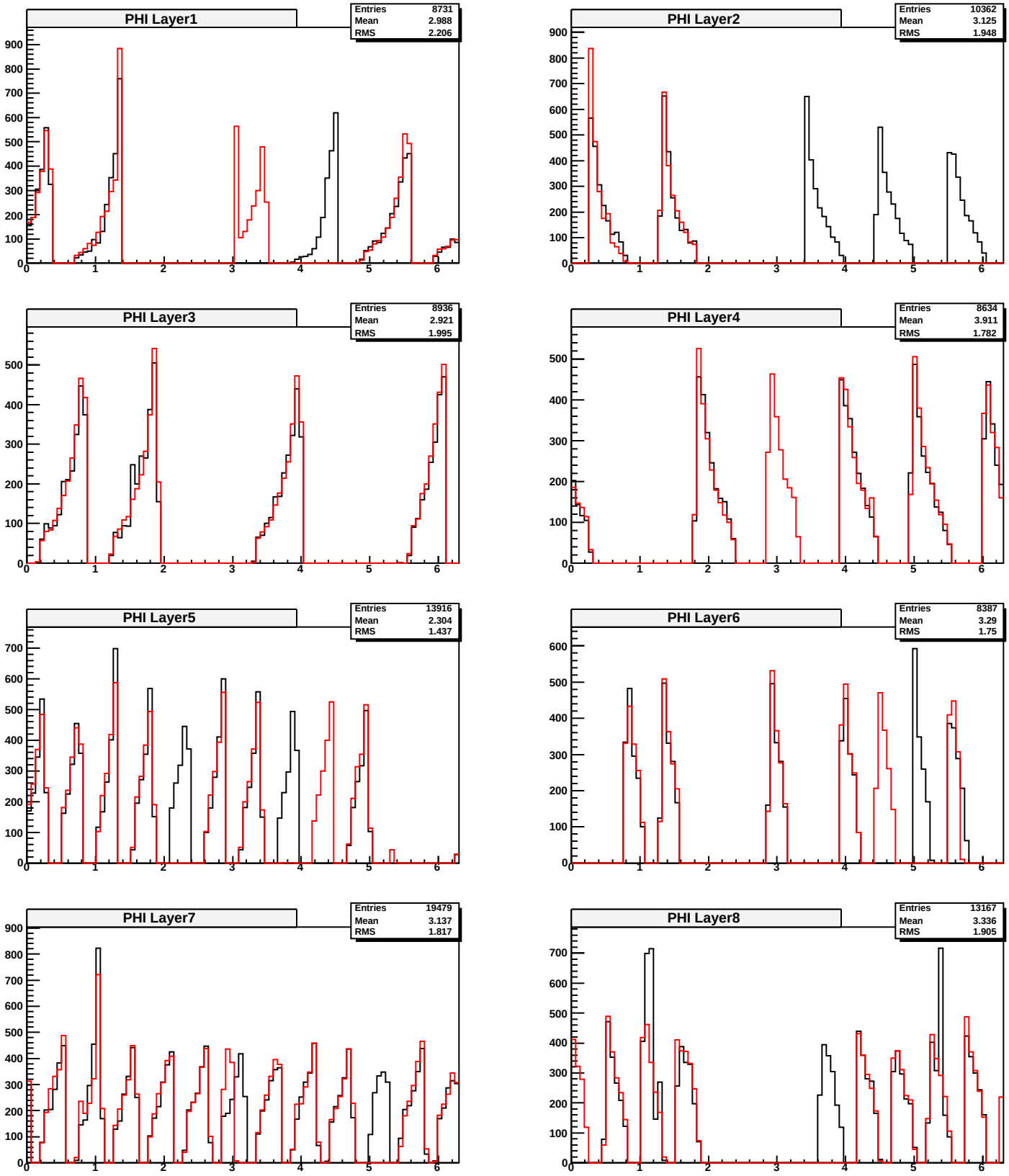
SmtClusters (ClustrBar1)



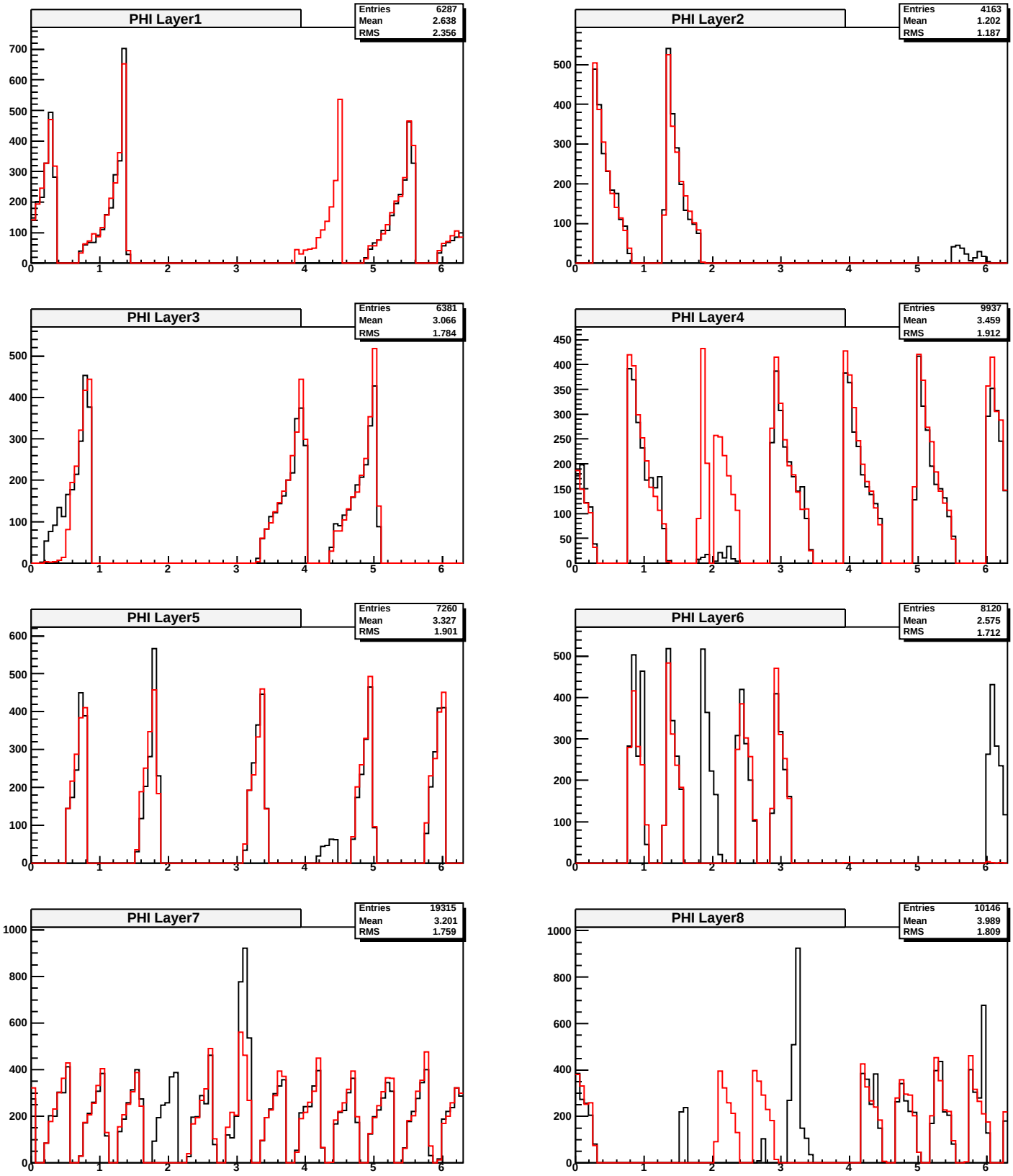
SmtClusters (ClustrBar2)



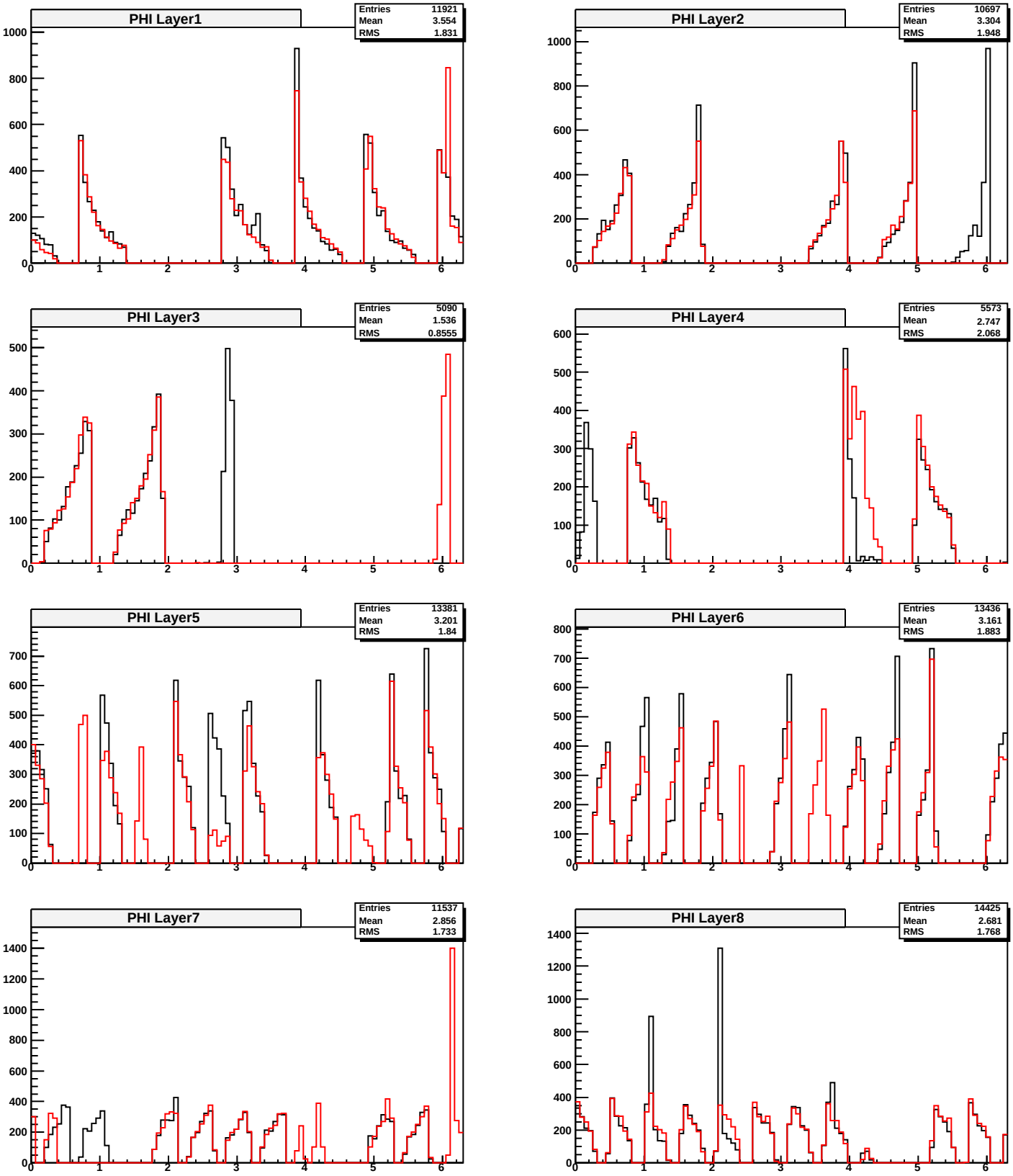
SmtClusters (ClustrBar3)



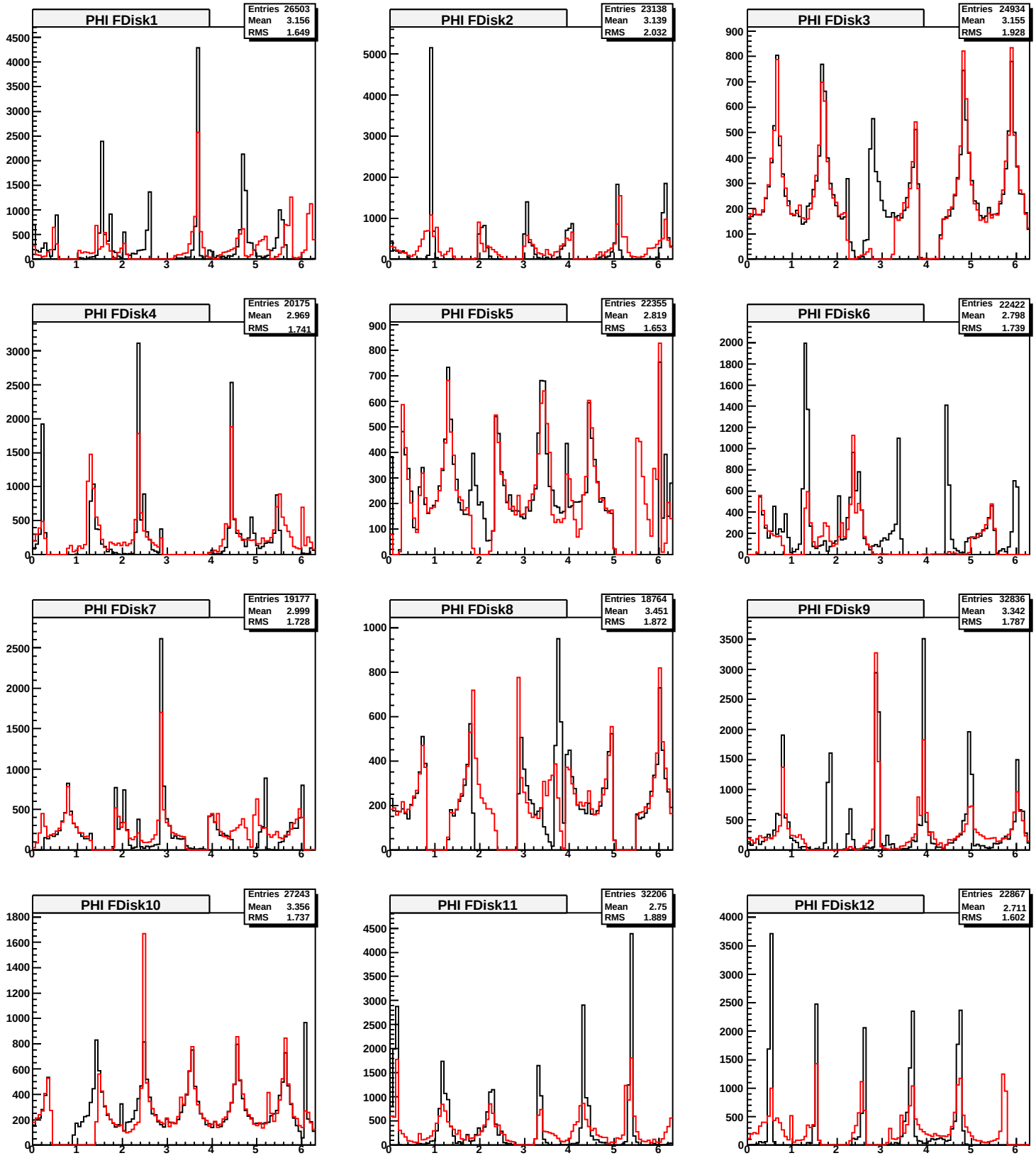
SmtClusters (ClustrBar4)



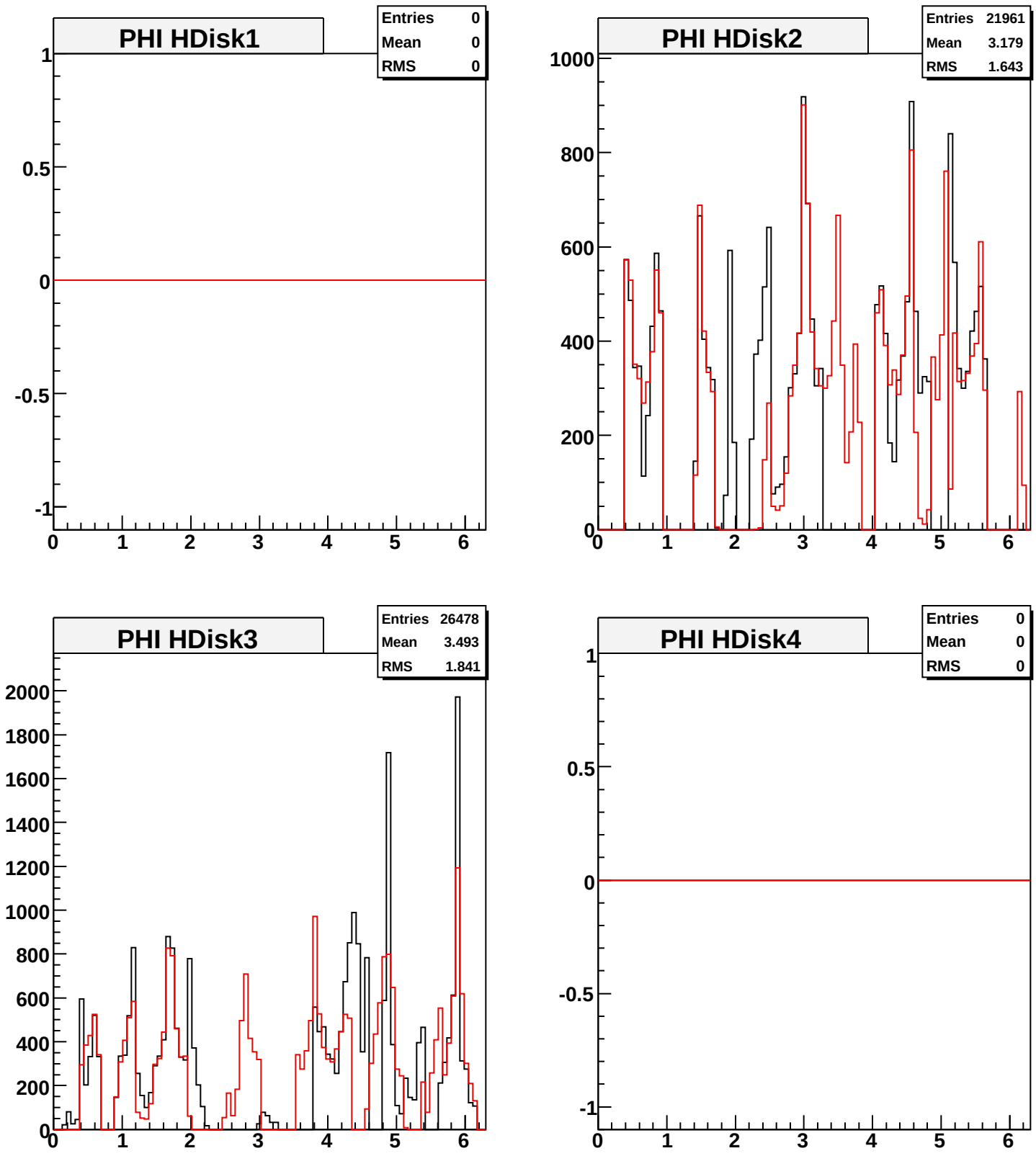
SmtClusters (ClustrBar5)



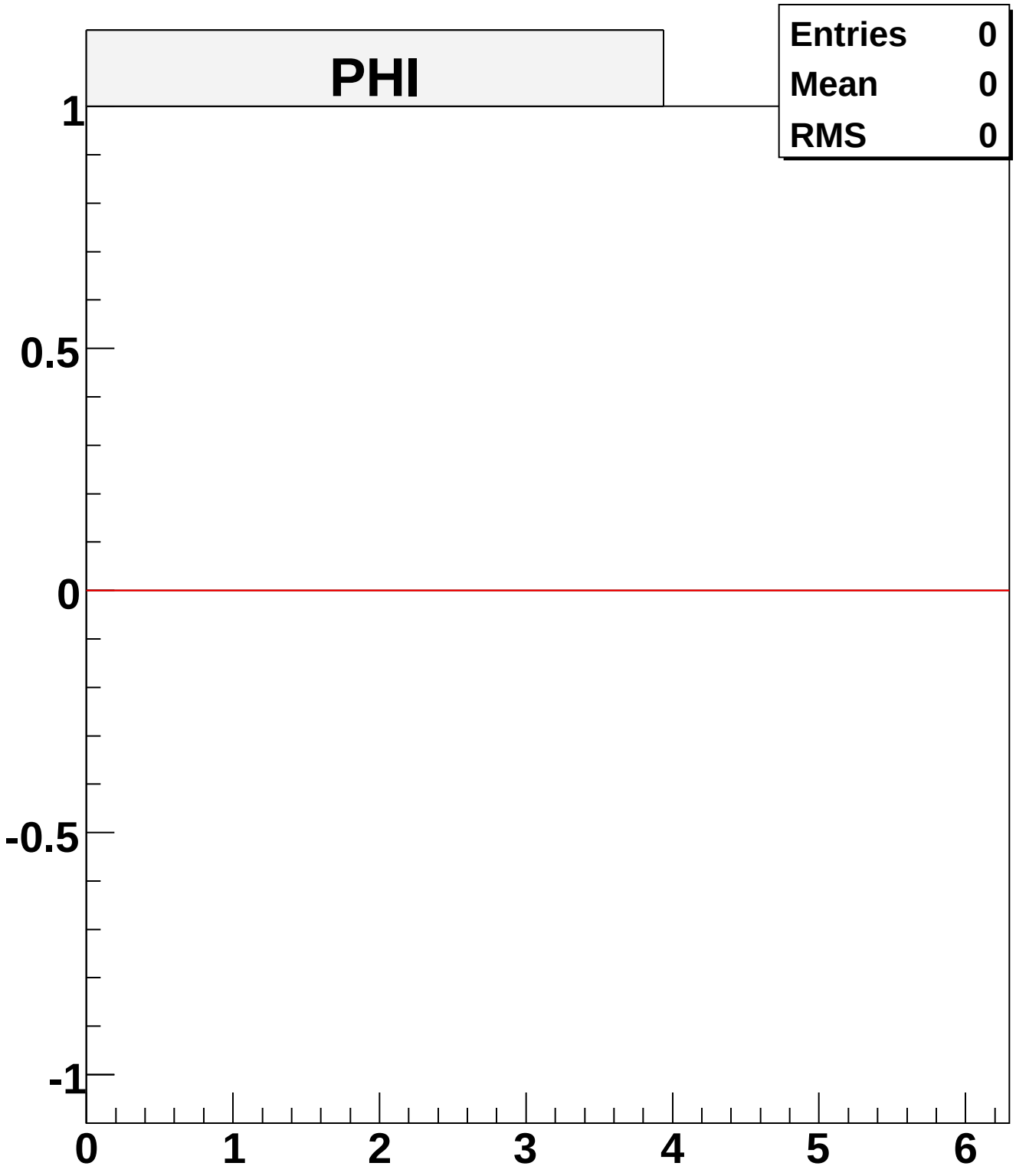
SmtClusters (ClustrBar6)



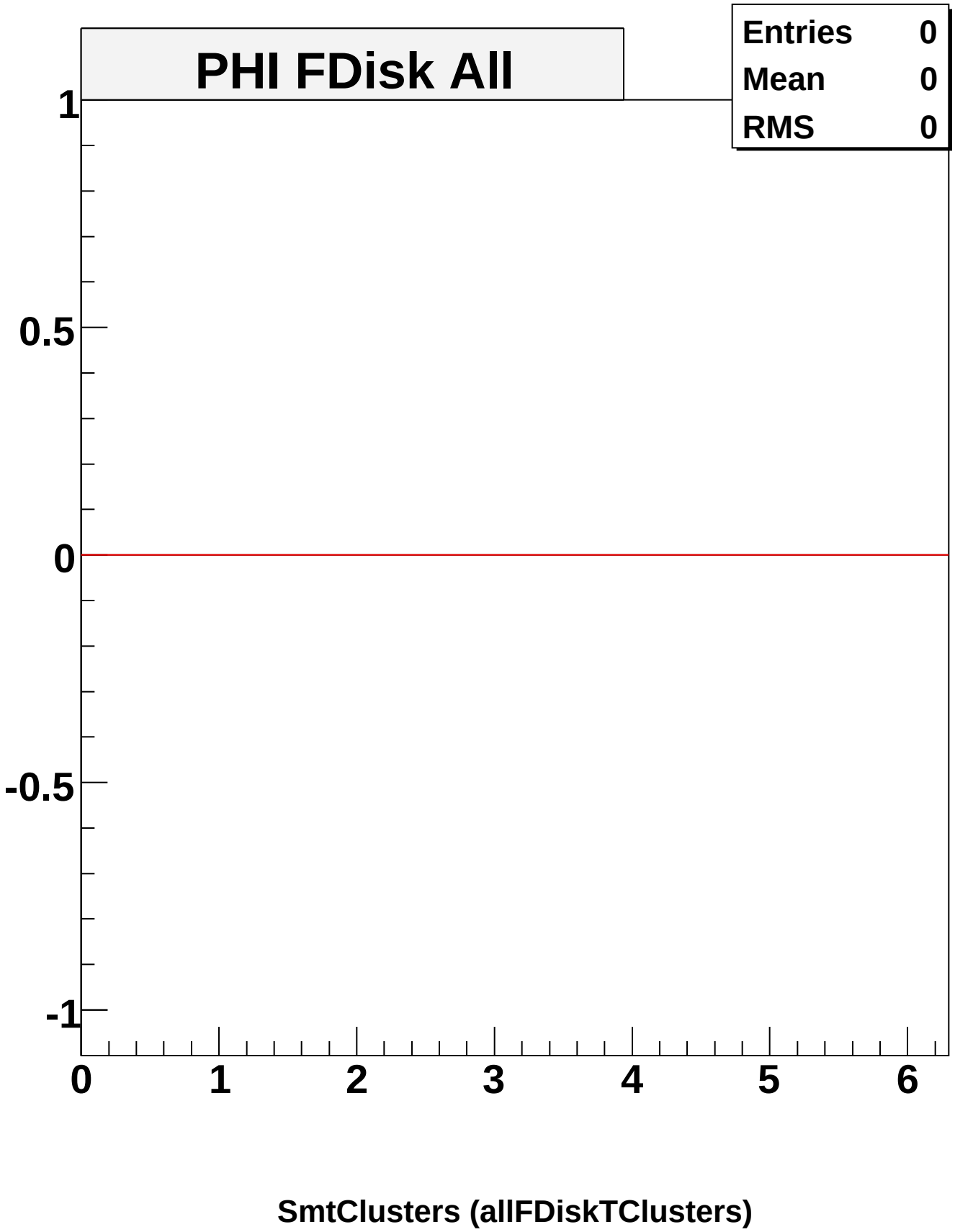
SmtClusters (FDiskClusters)

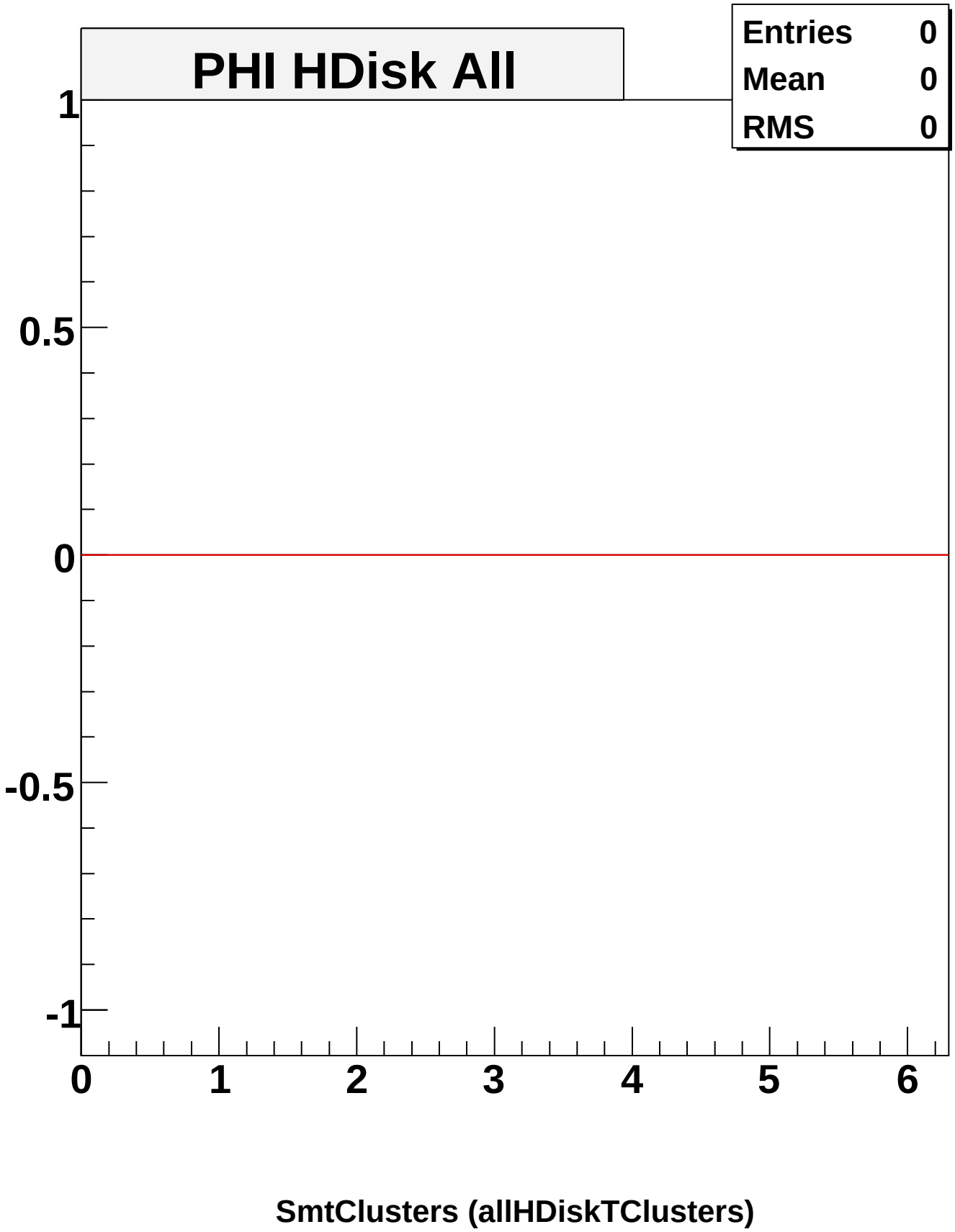


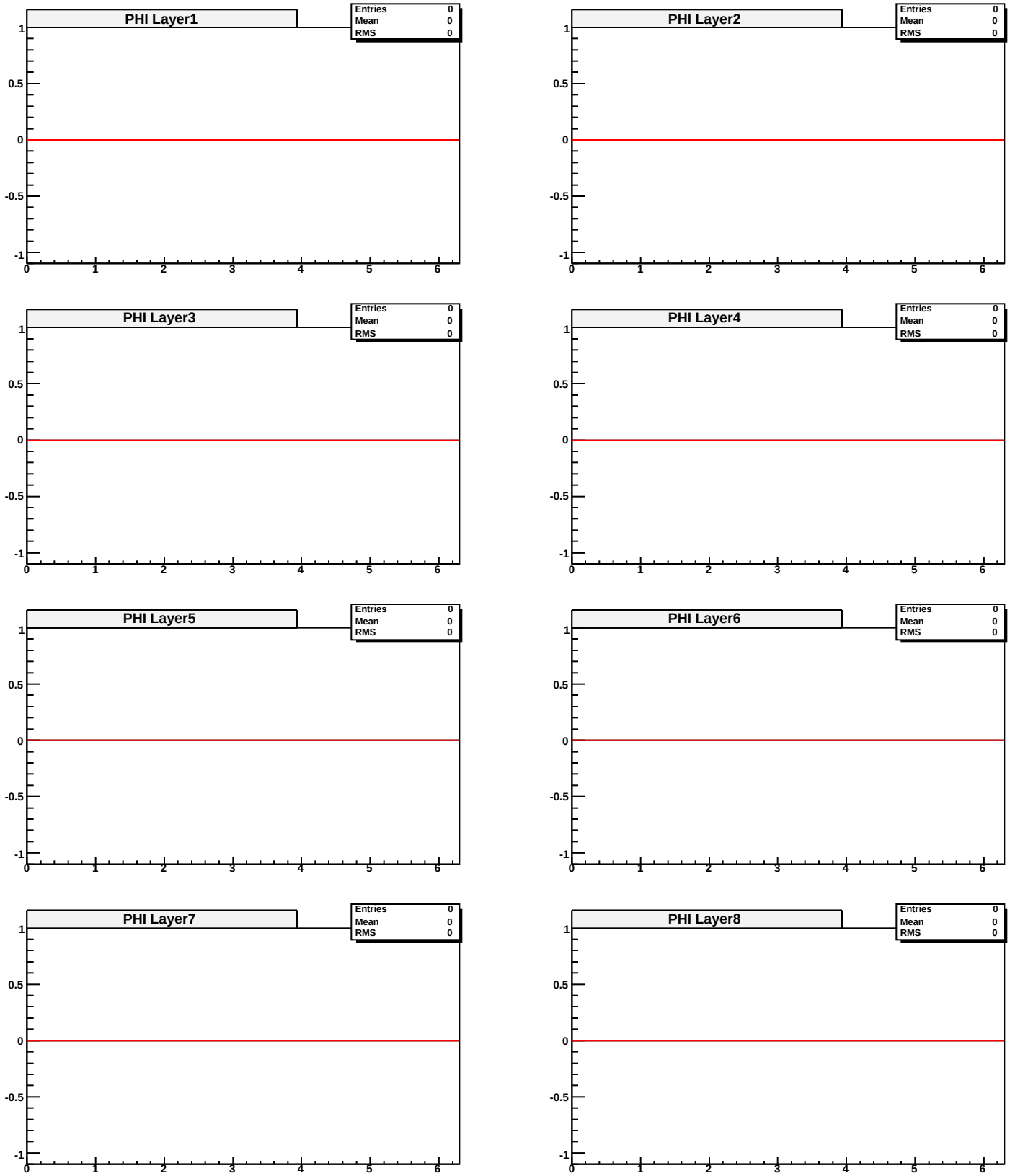
SmtClusters (HDiskClusters)



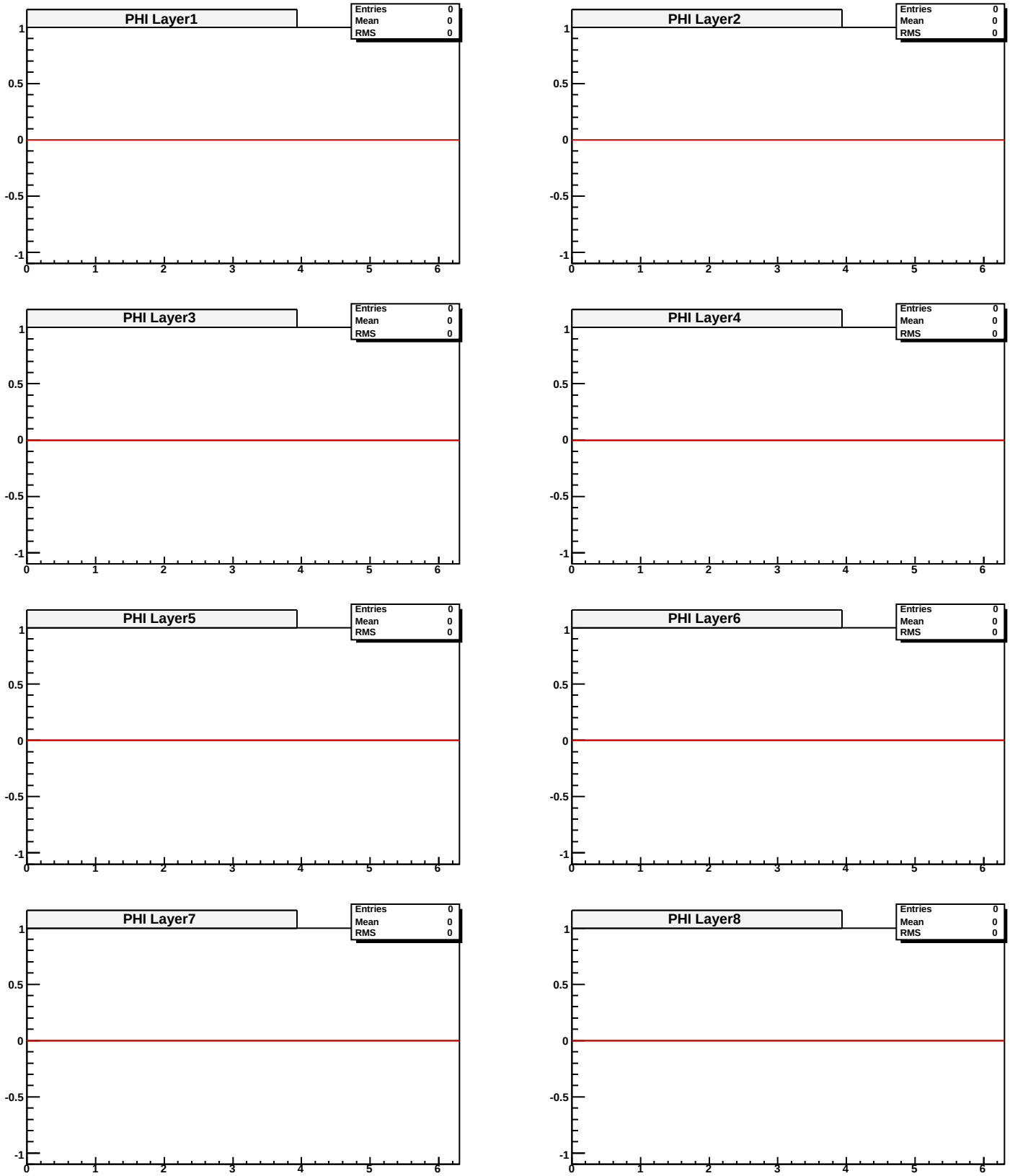
SmtClusters (allBarTClusters)


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)

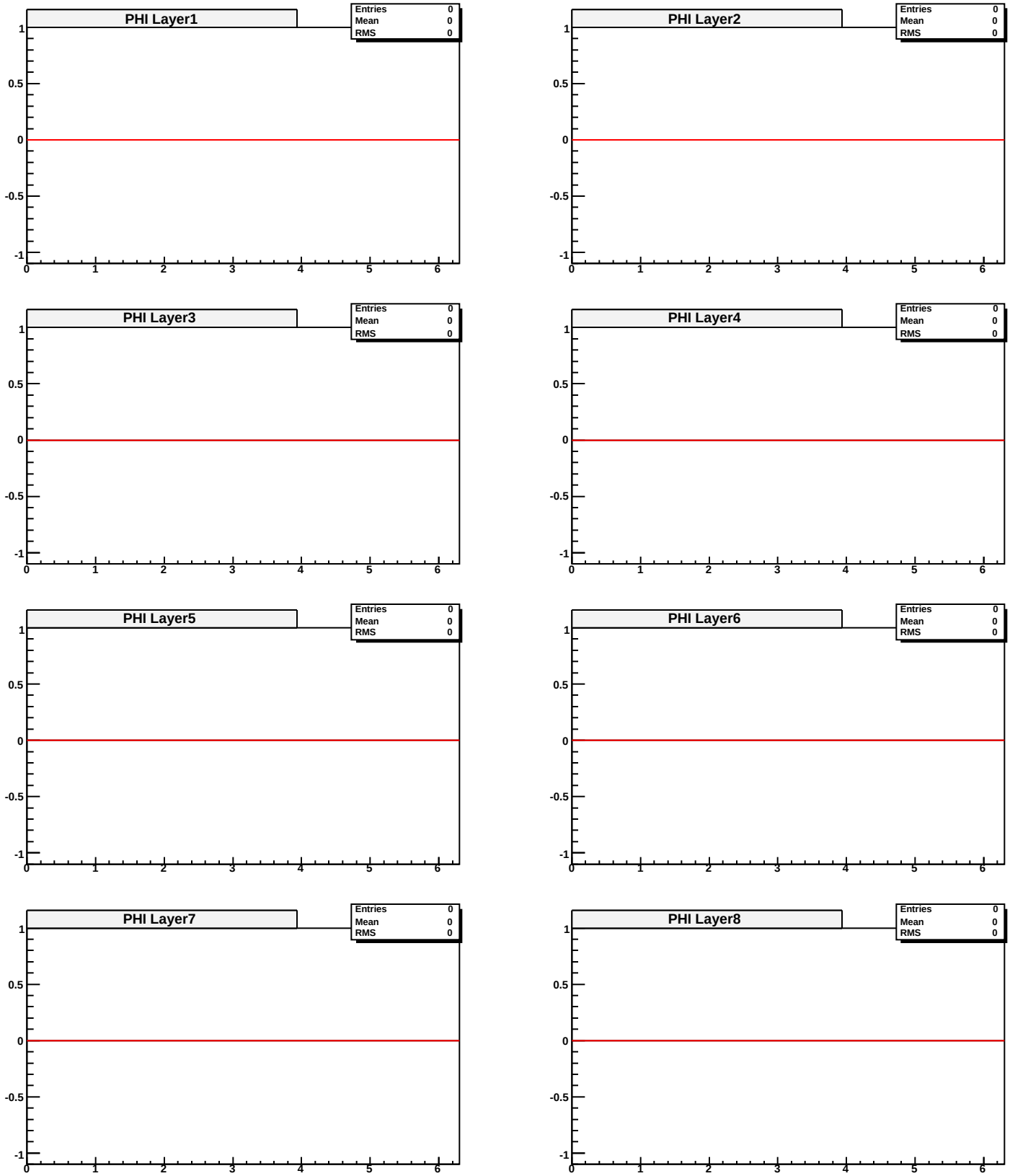

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



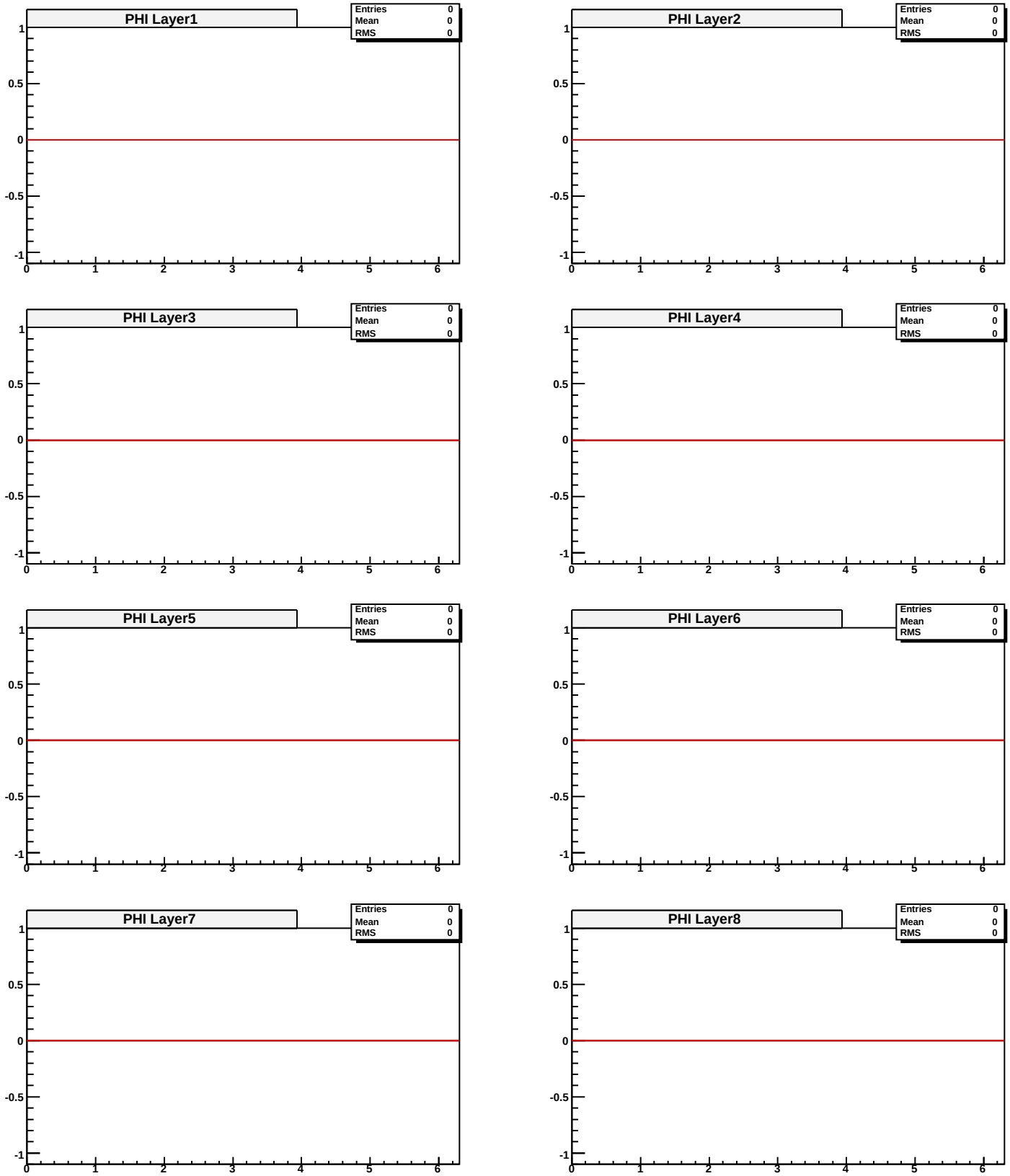
SmtClusters (TClustrBar1)



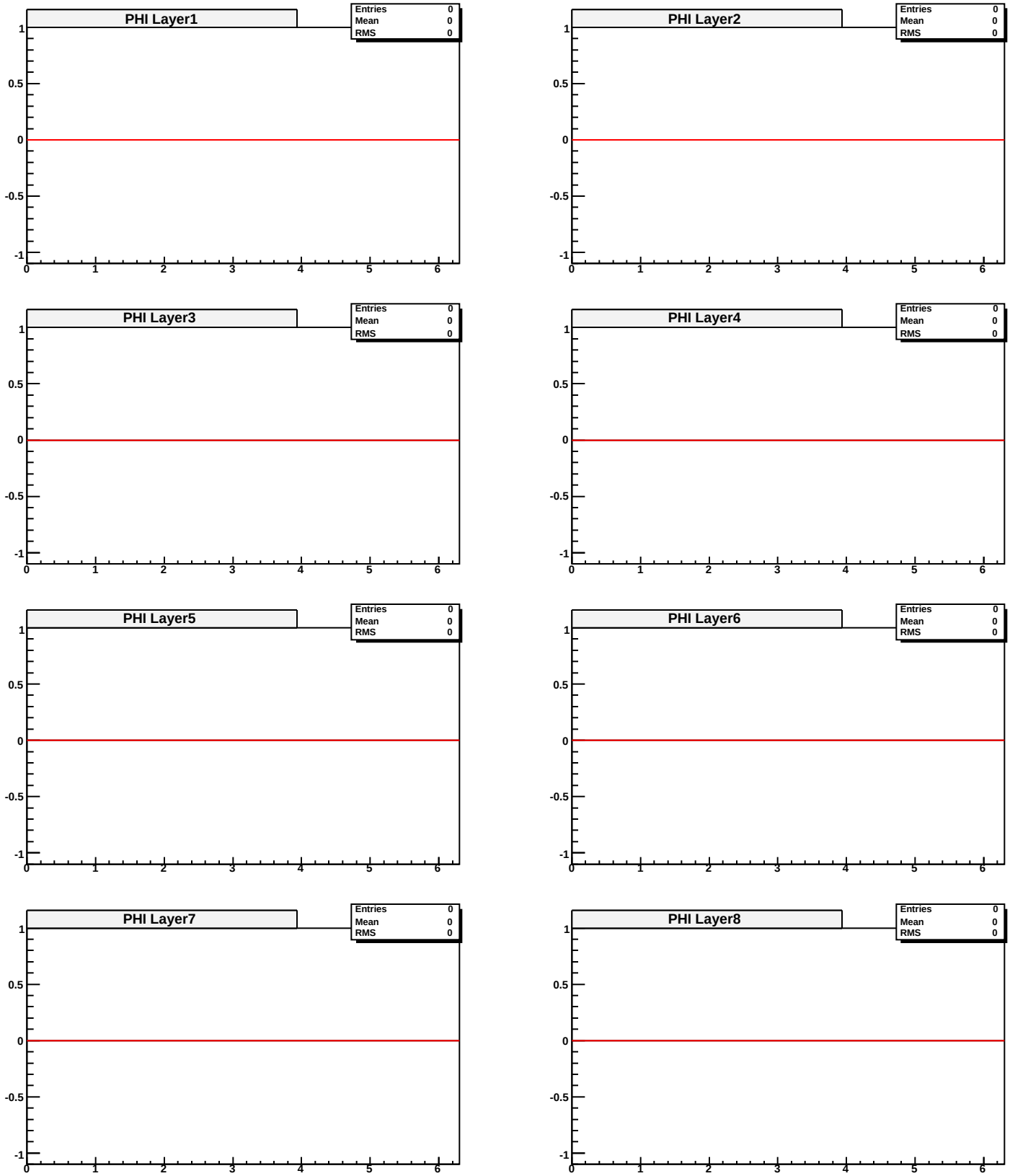
SmtClusters (TClustrBar2)



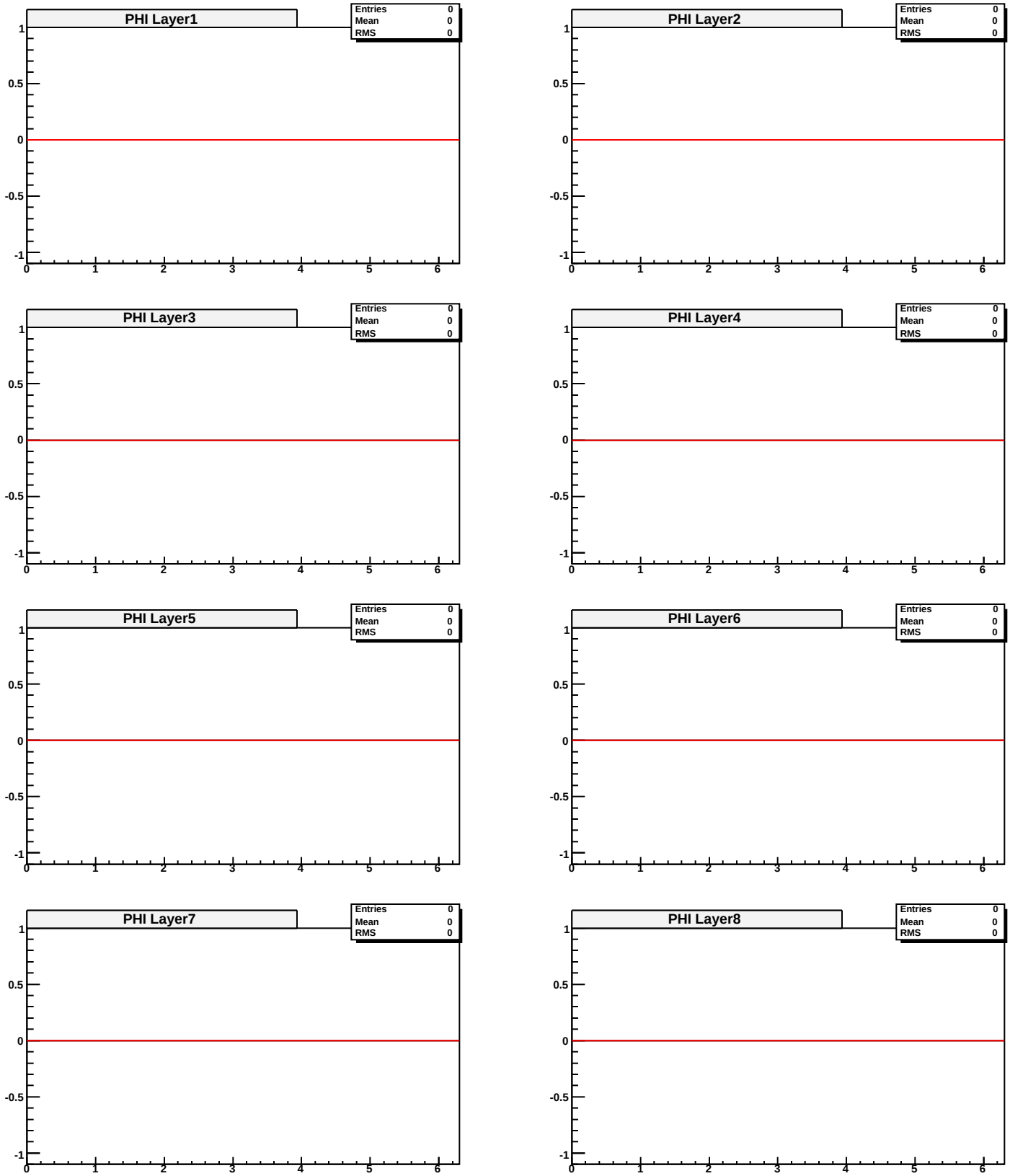
SmtClusters (TClustrBar3)



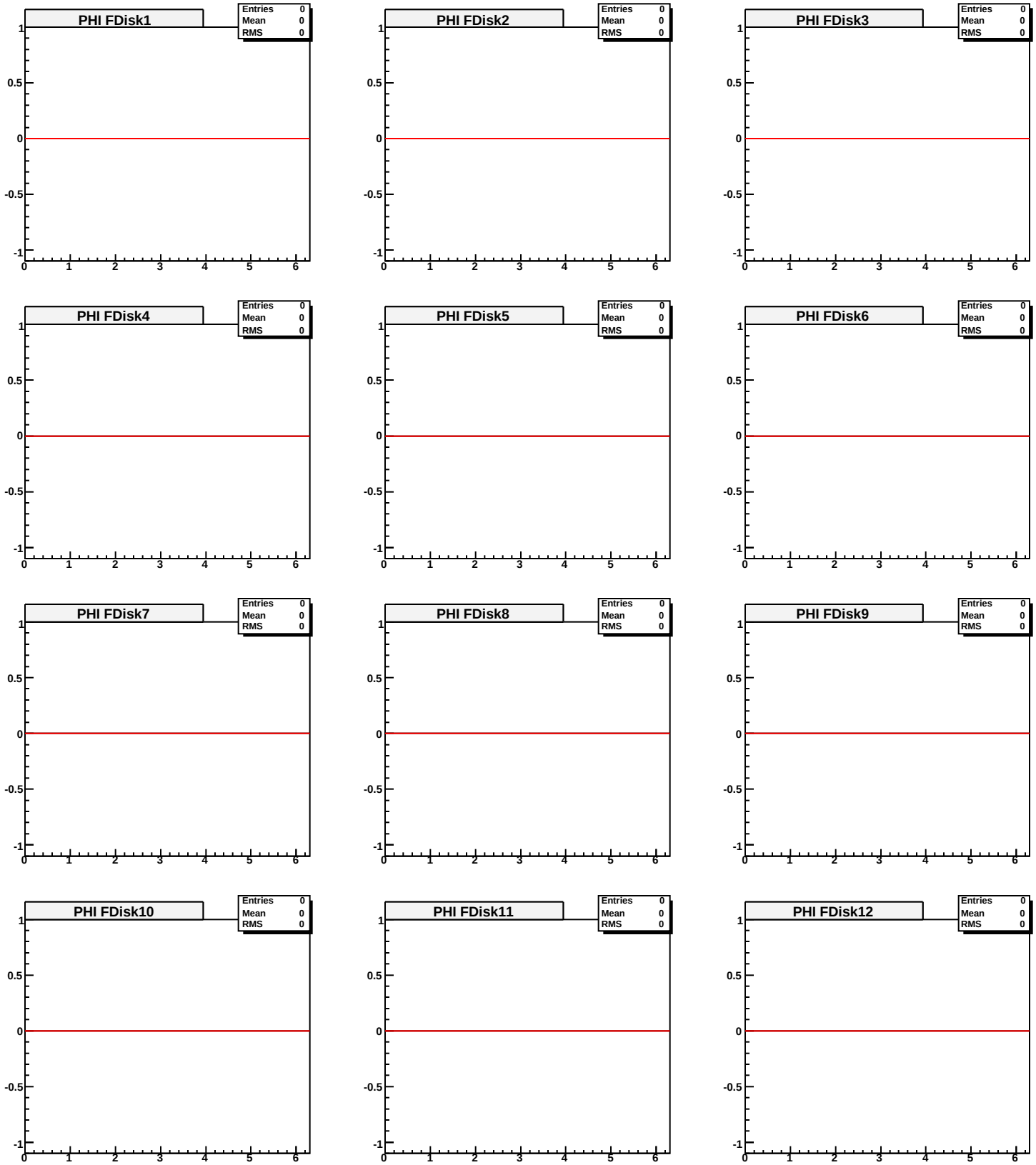
SmtClusters (TClustrBar4)



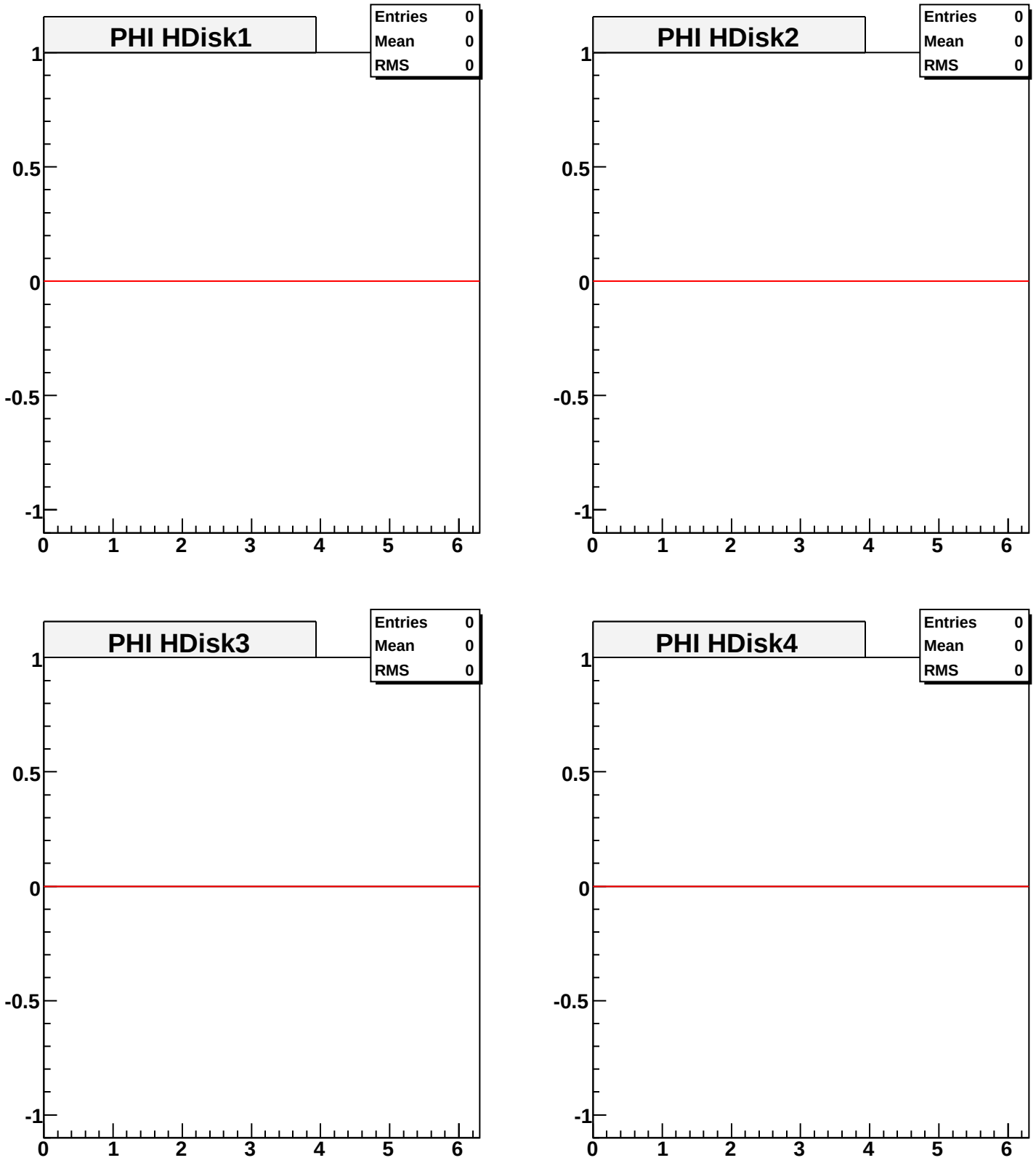
SmtClusters (TClustrBar5)



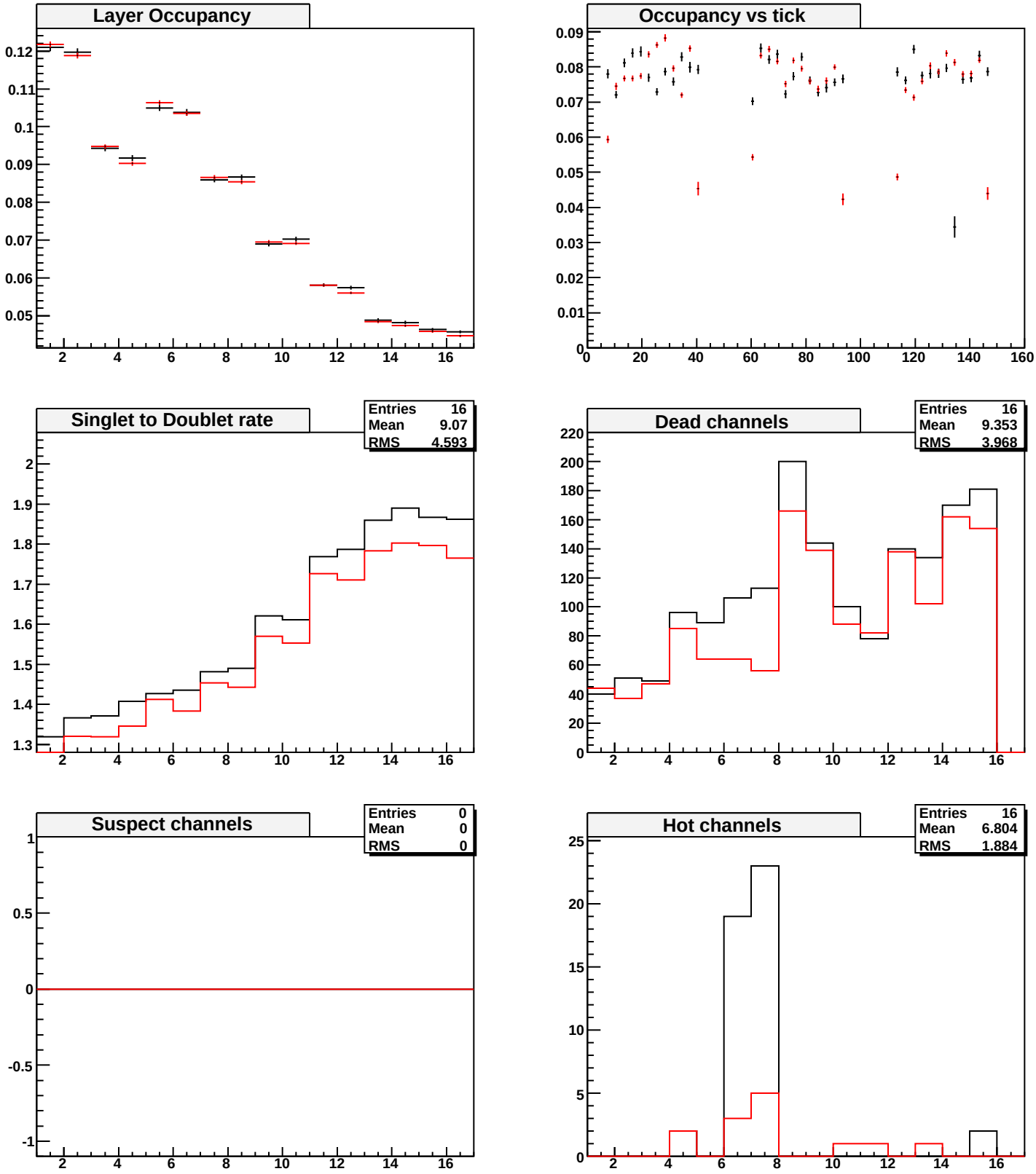
SmtClusters (TClustrBar6)



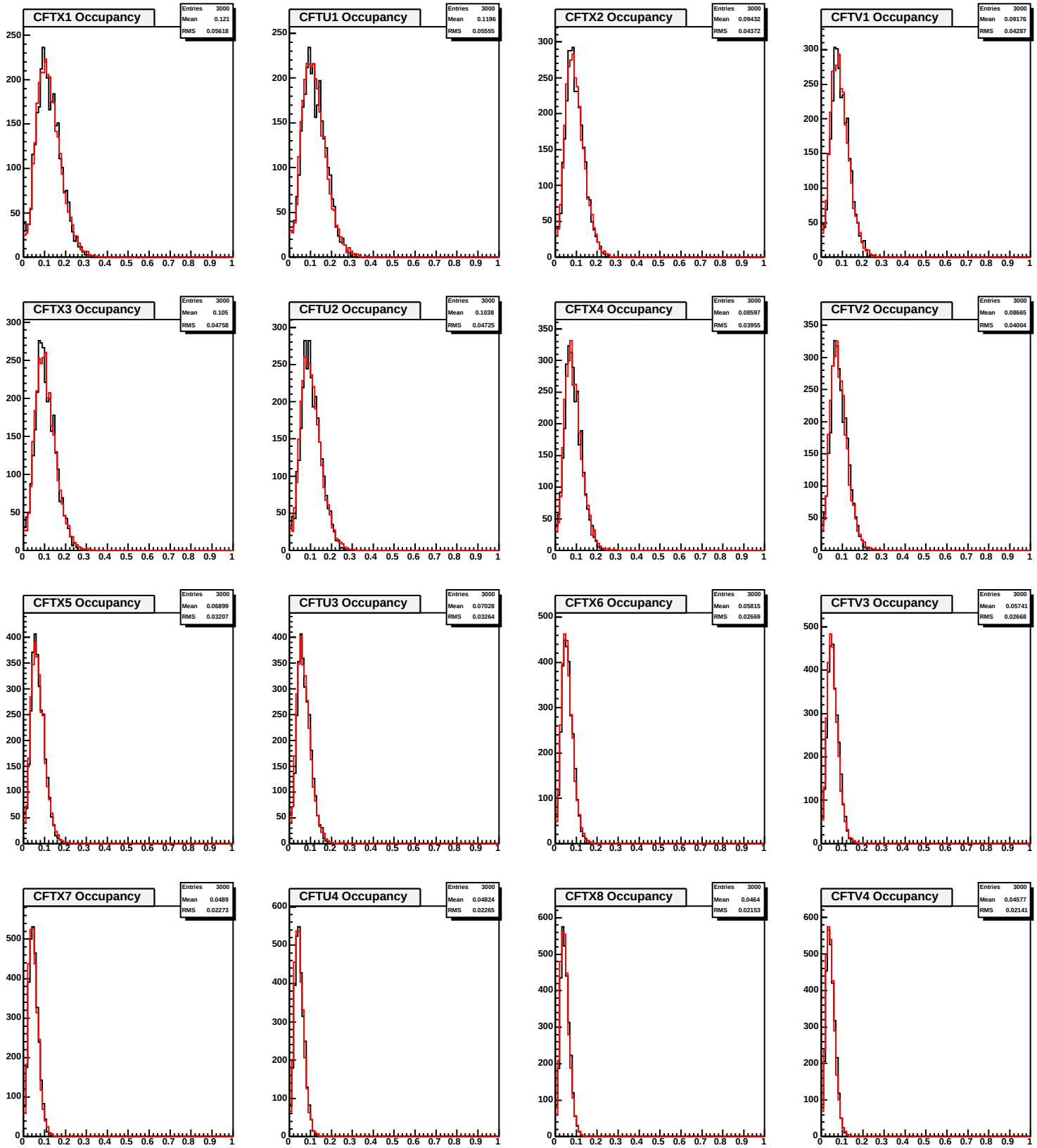
SmtClusters (FDiskTClusters)



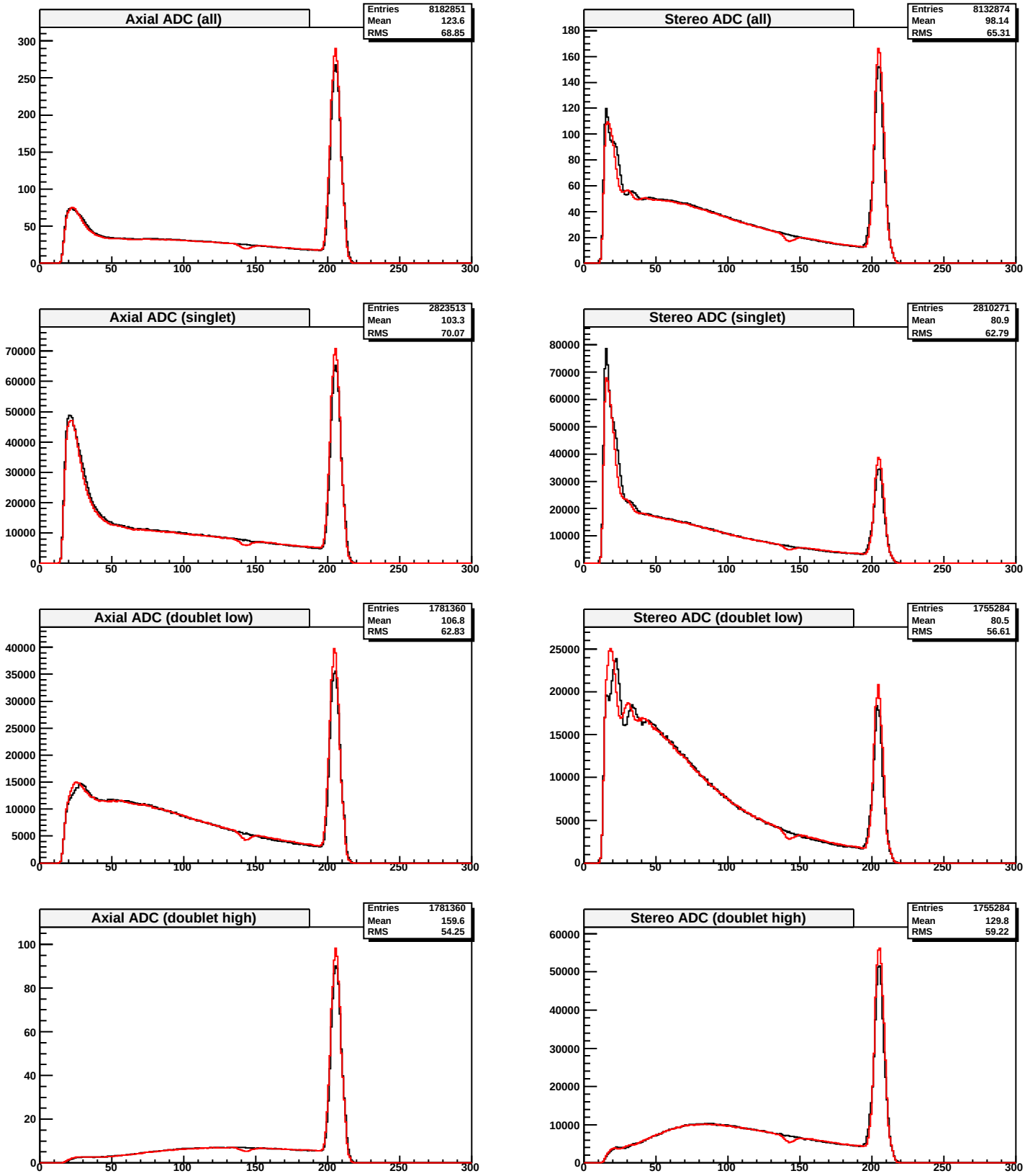
SmtClusters (HDiskTClusters)



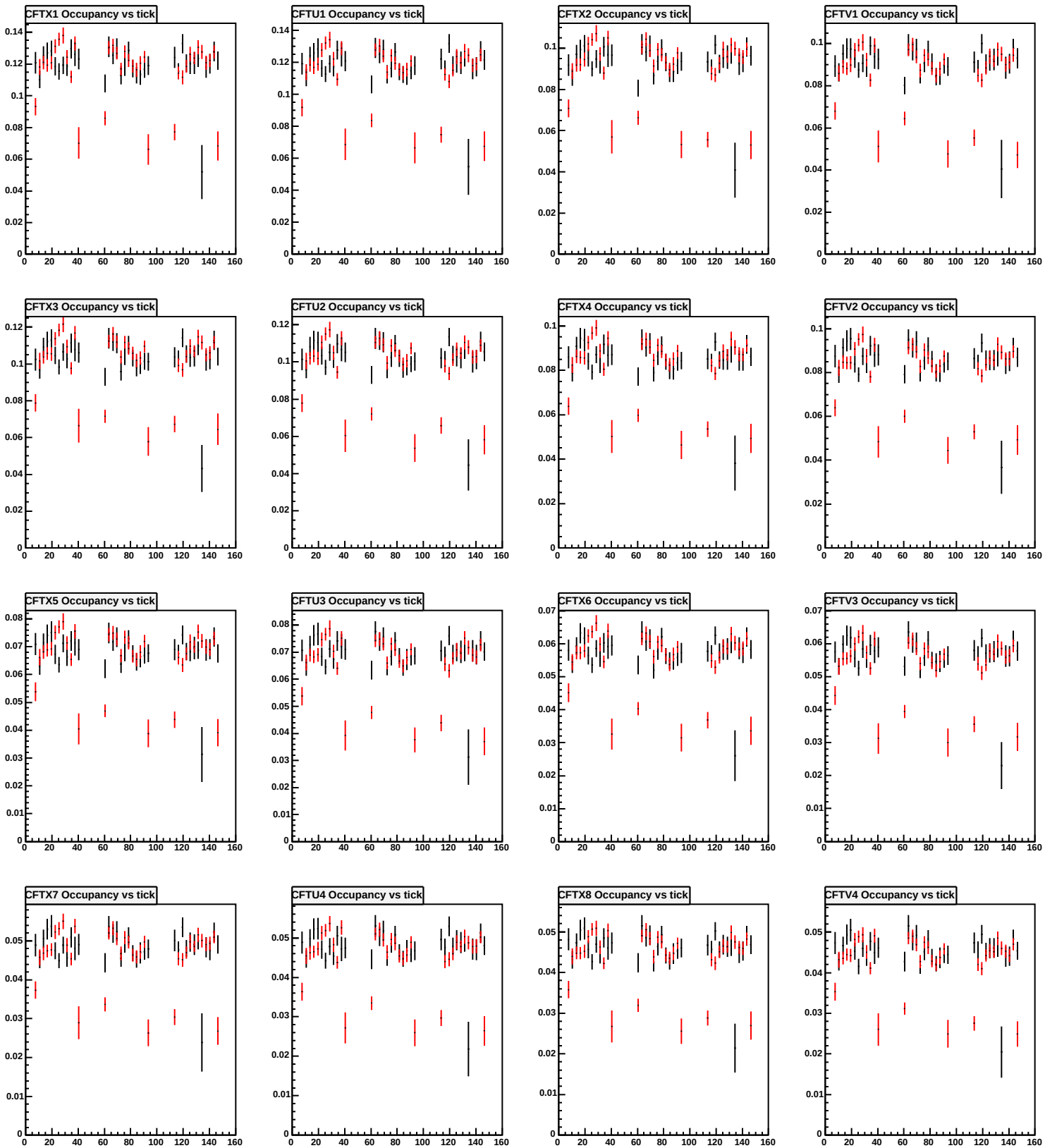
CFT Summary (All Clusters)



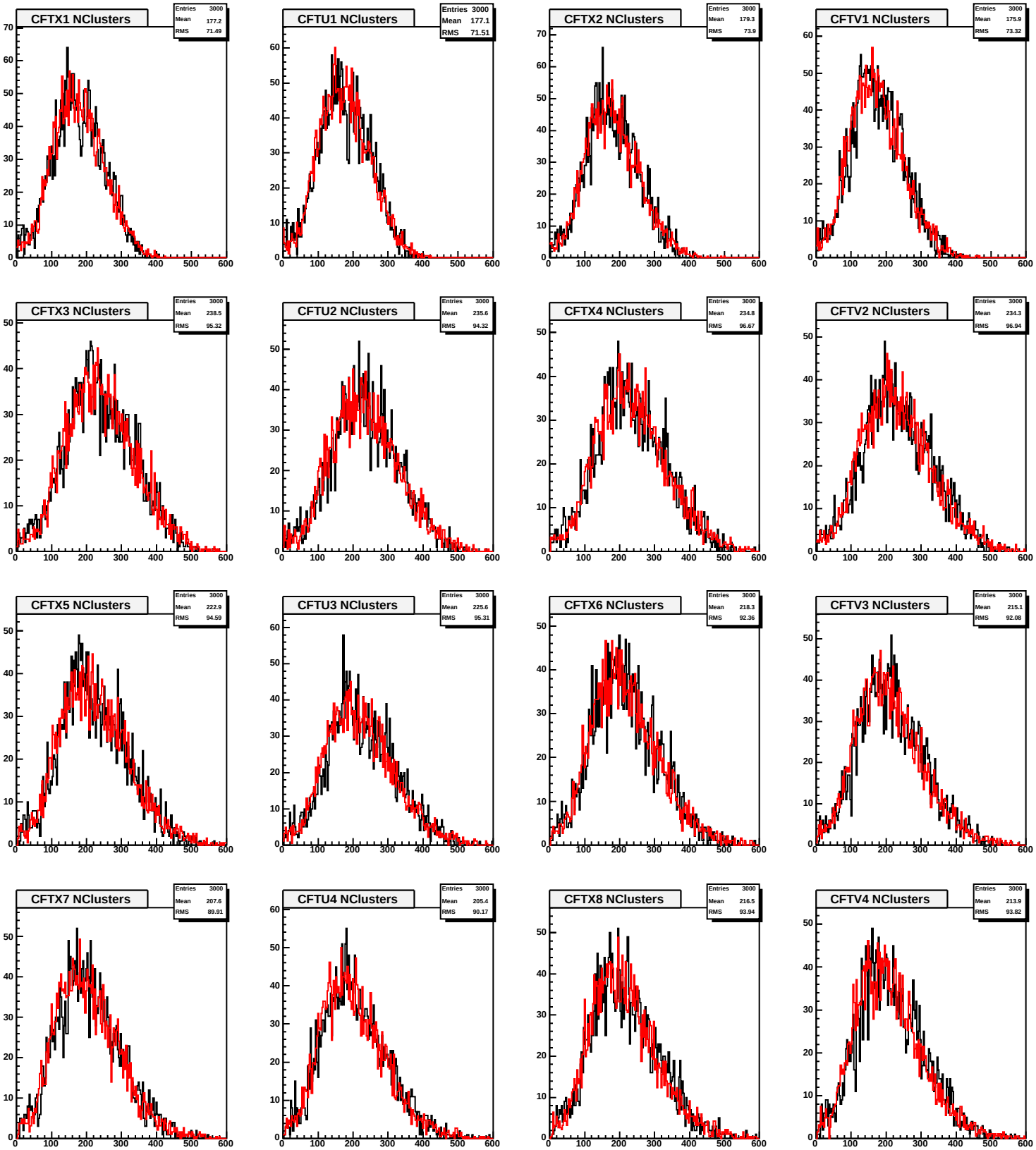
CFT Occupancy (All Clusters)



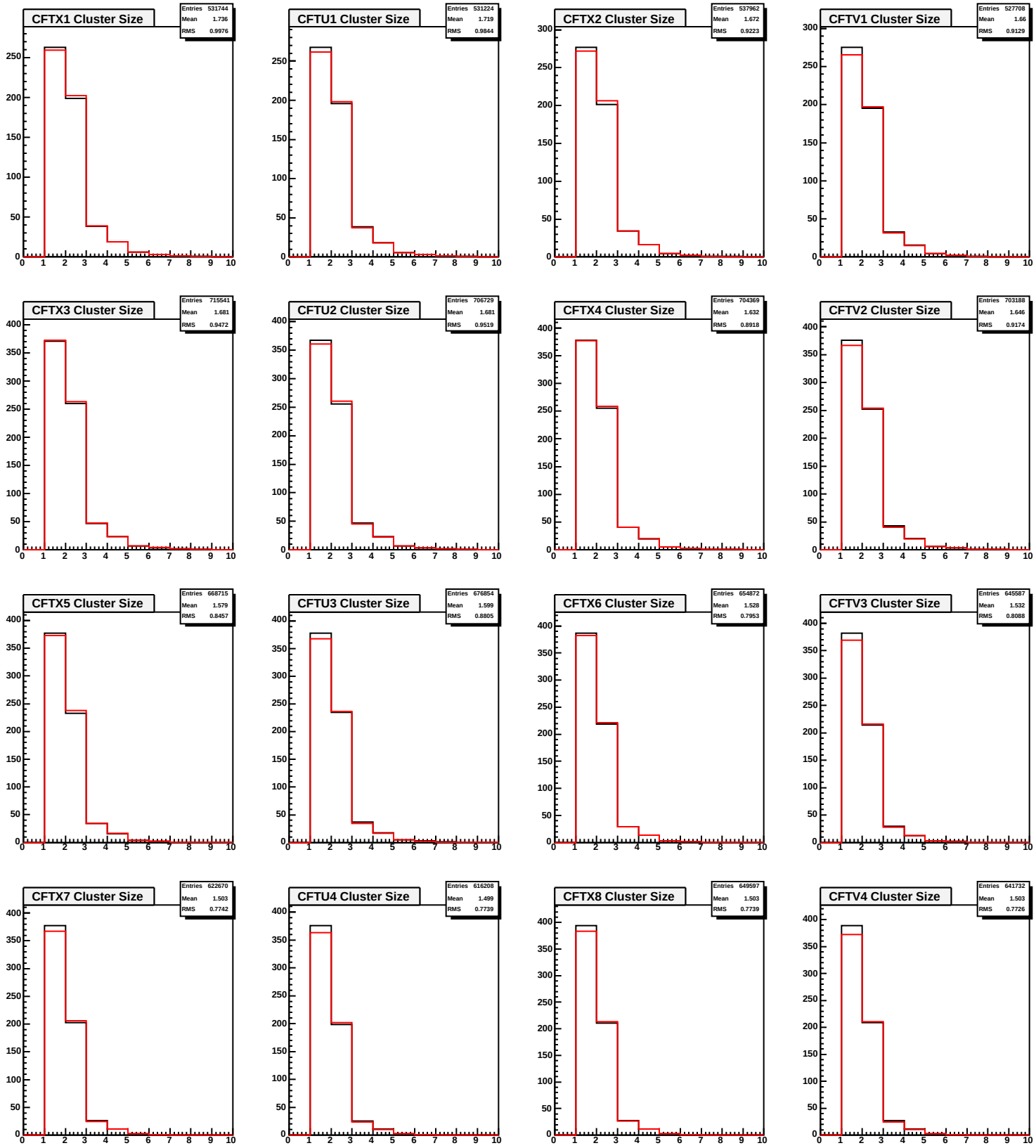
CFT ADC Summary (All Clusters)



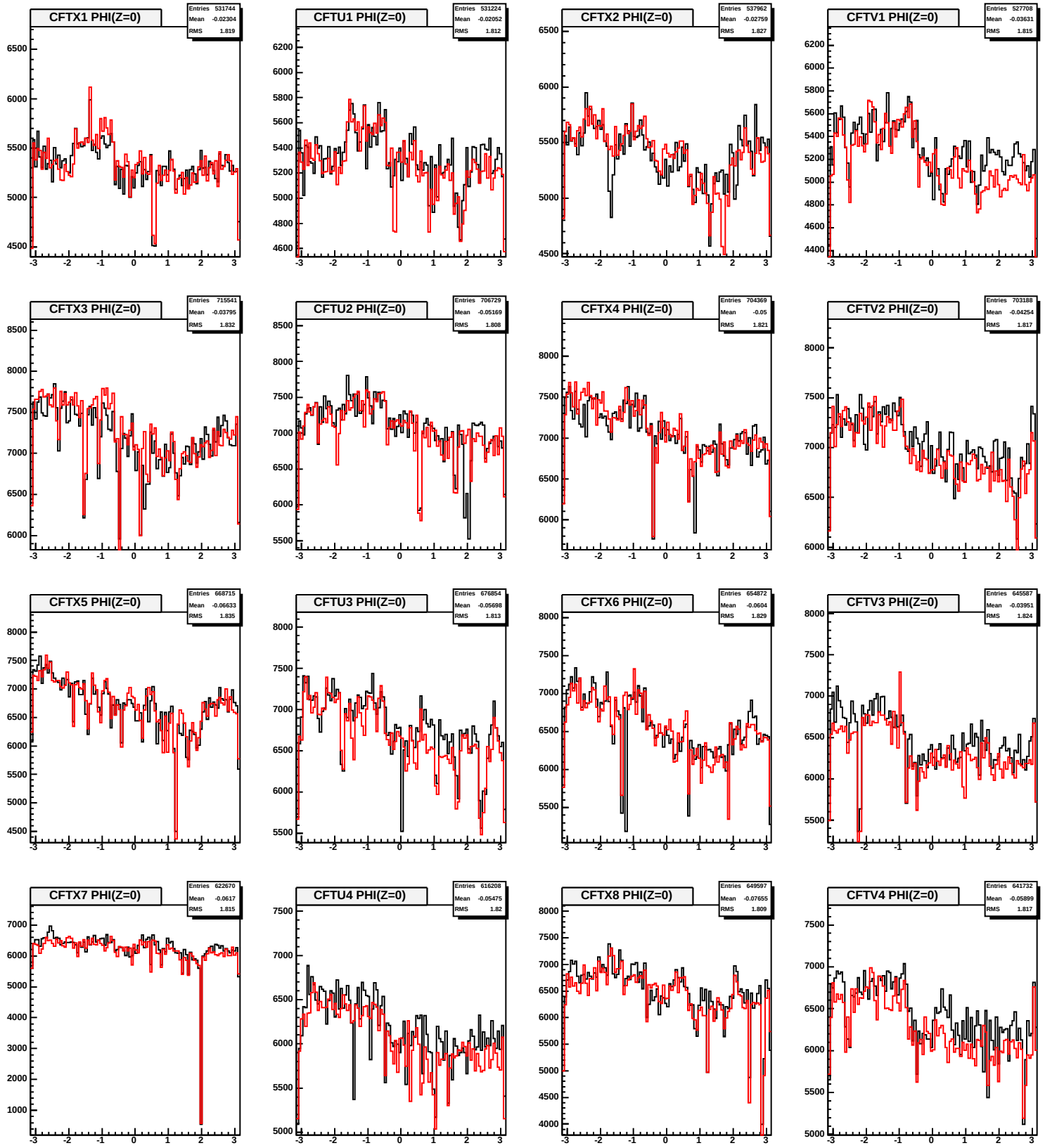
CFT Occupancy vs Tick (All Clusters)



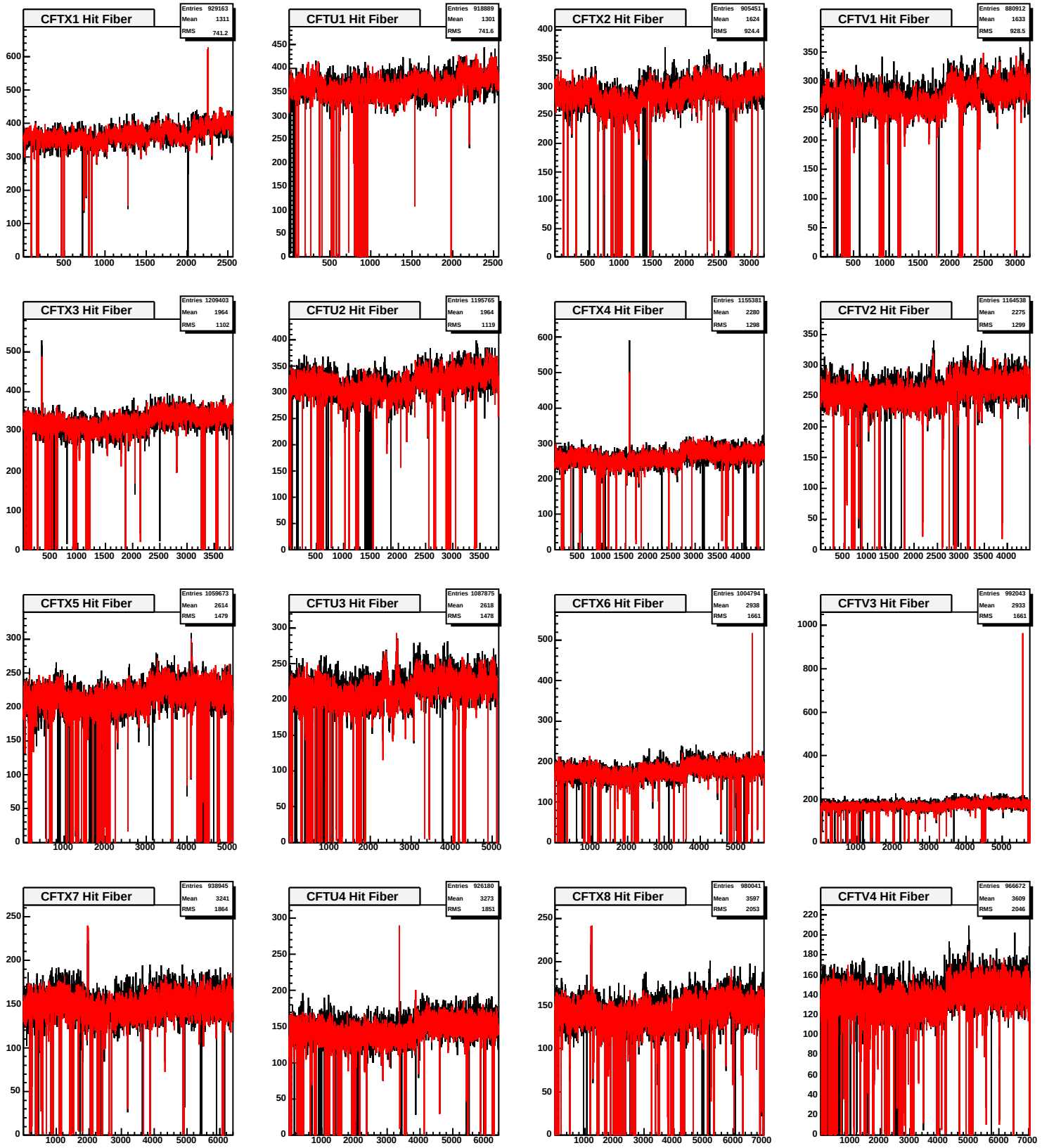
CFT NClusters (All Clusters)



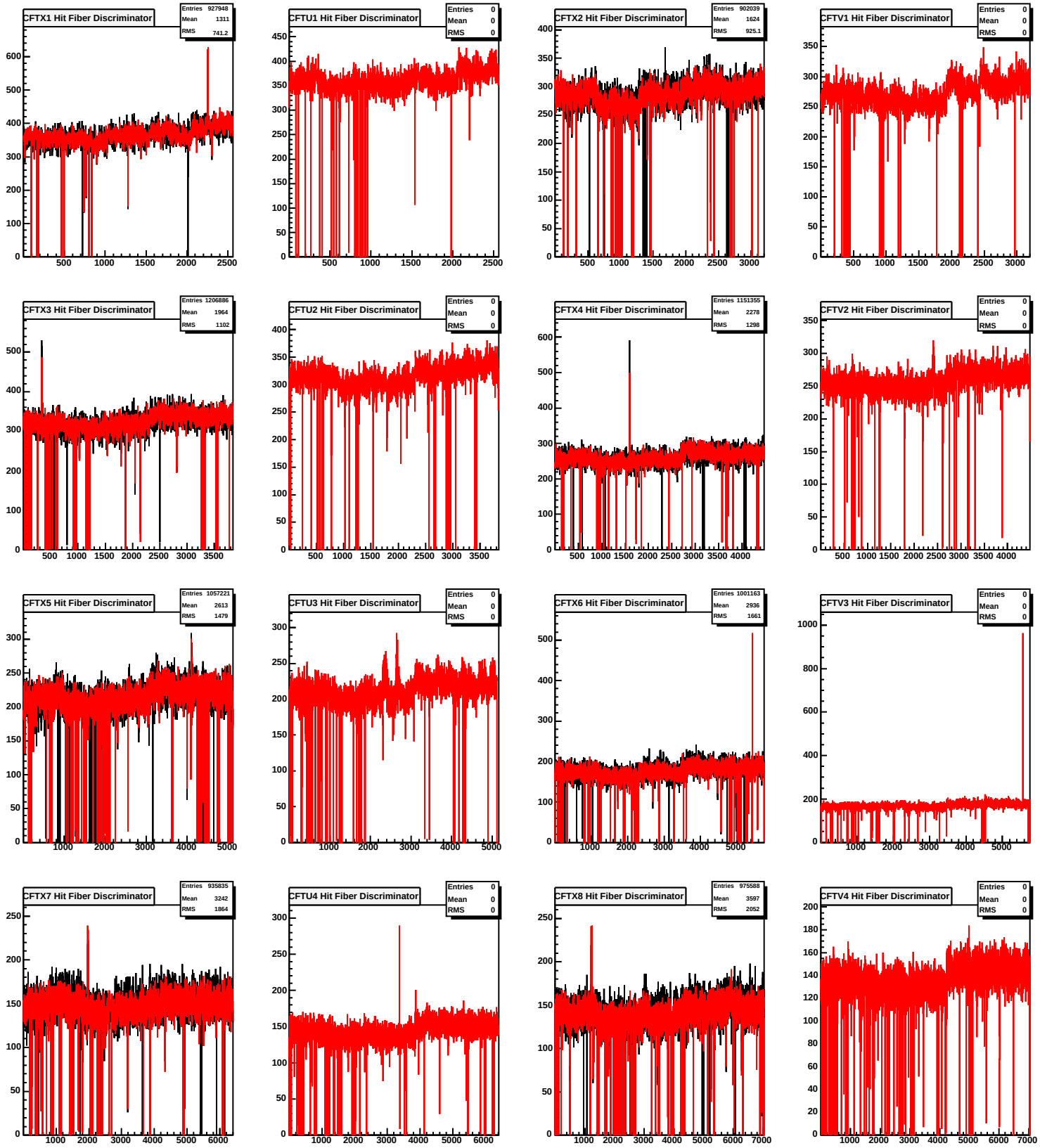
CFT Cluster Size (All Clusters)



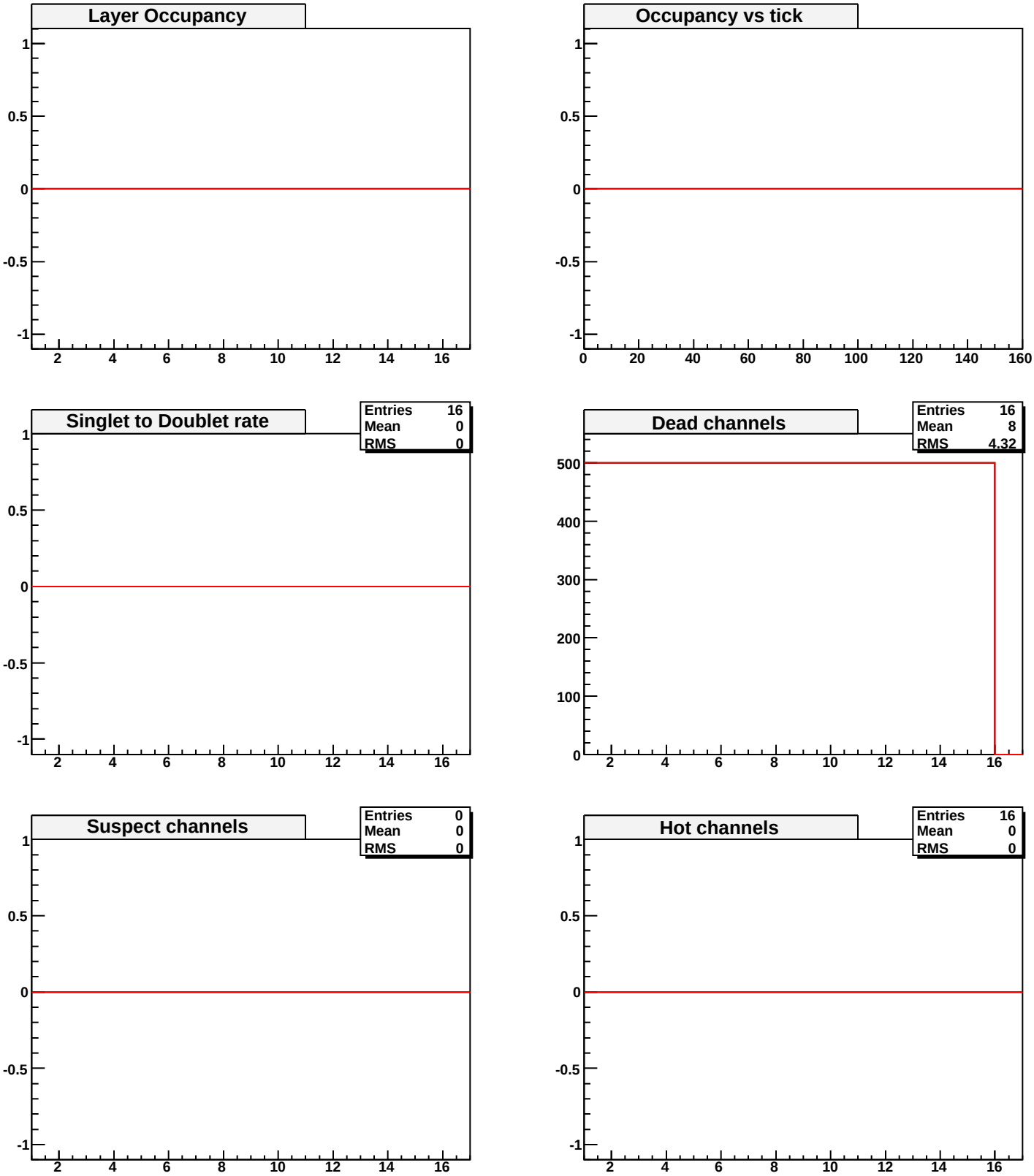
CFT PHI(Z=0) (All Clusters)



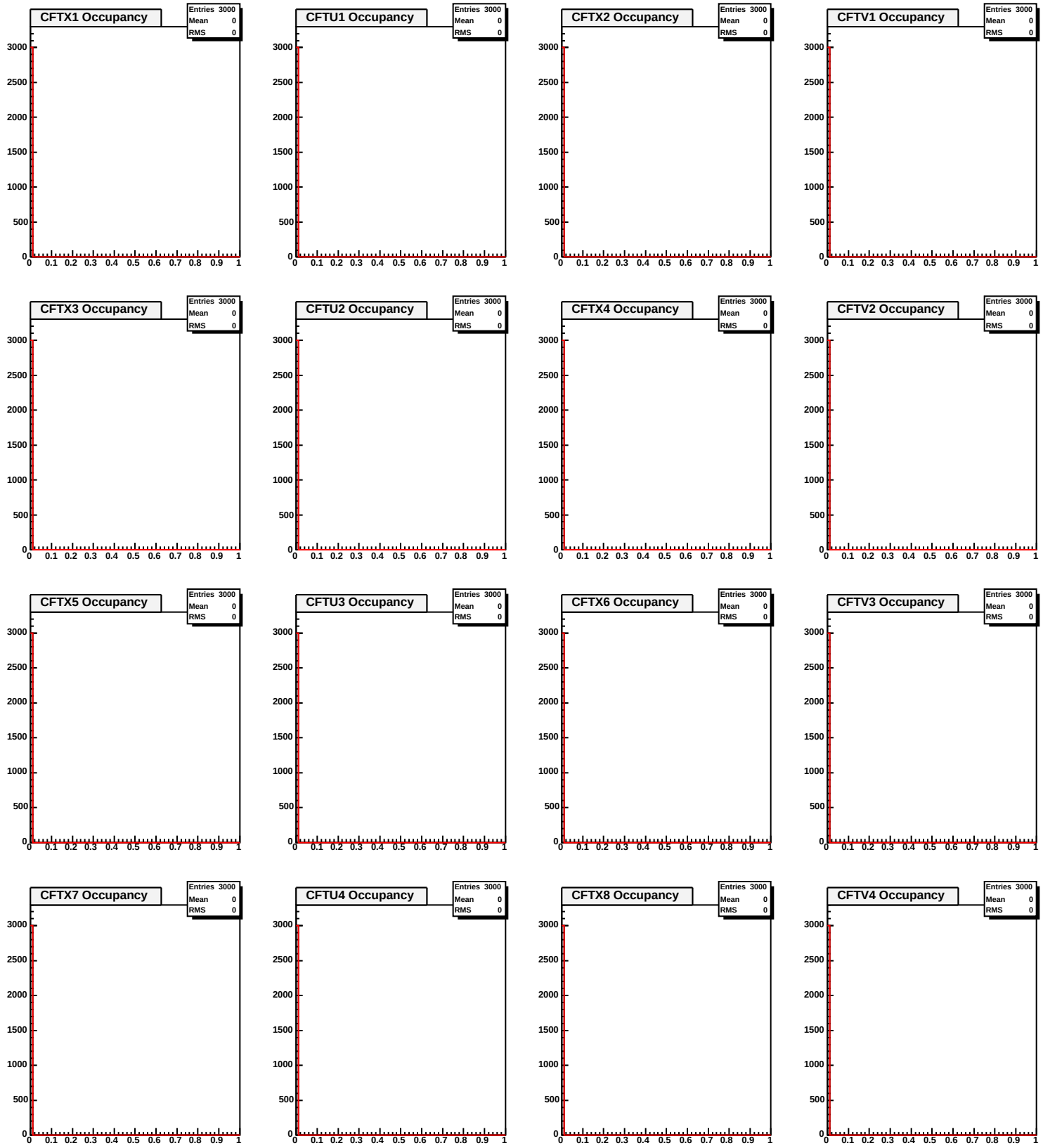
CFT Hit Fiber (All Clusters)



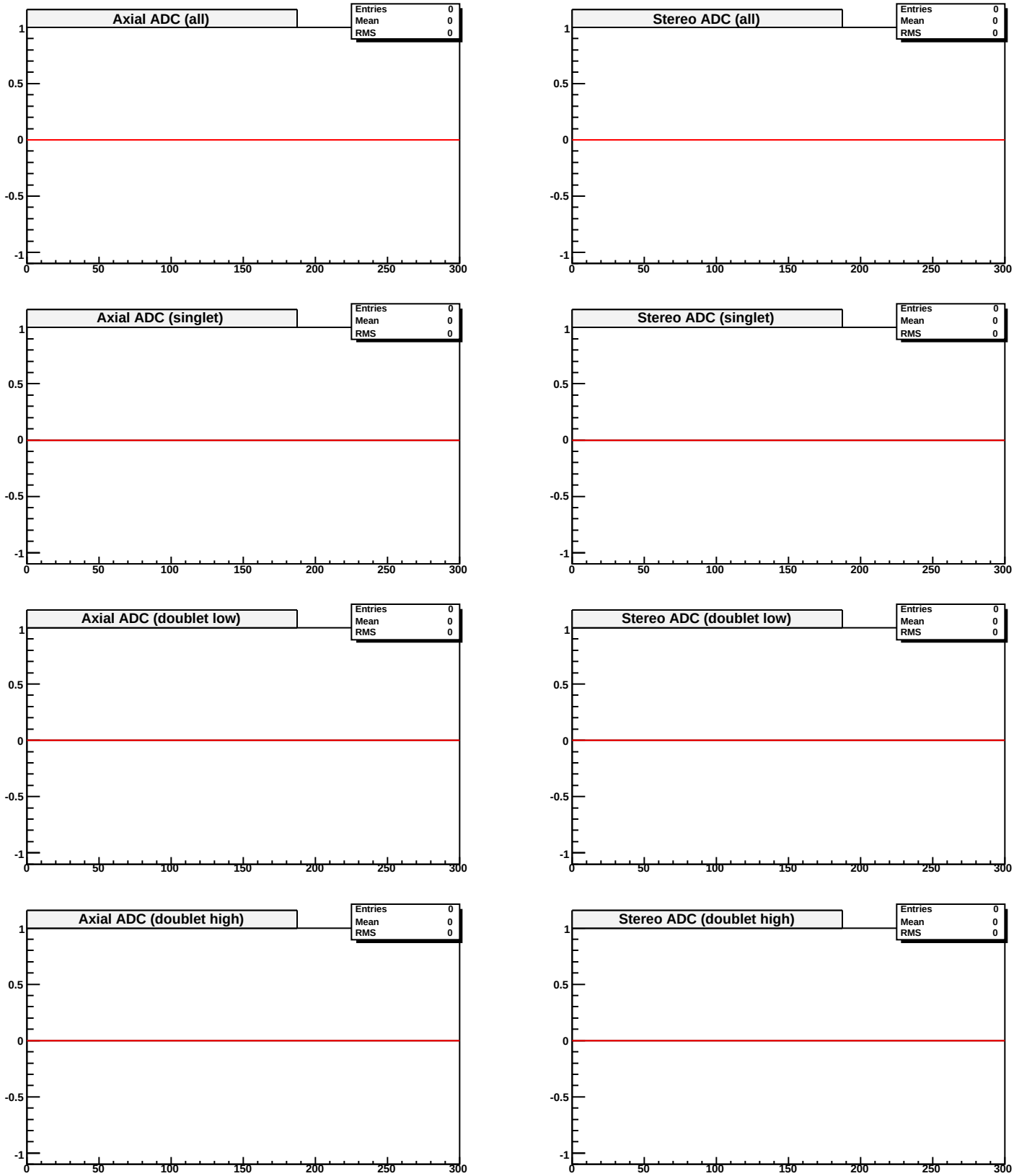
CFT Hit Fiber Discriminator (All Clusters)



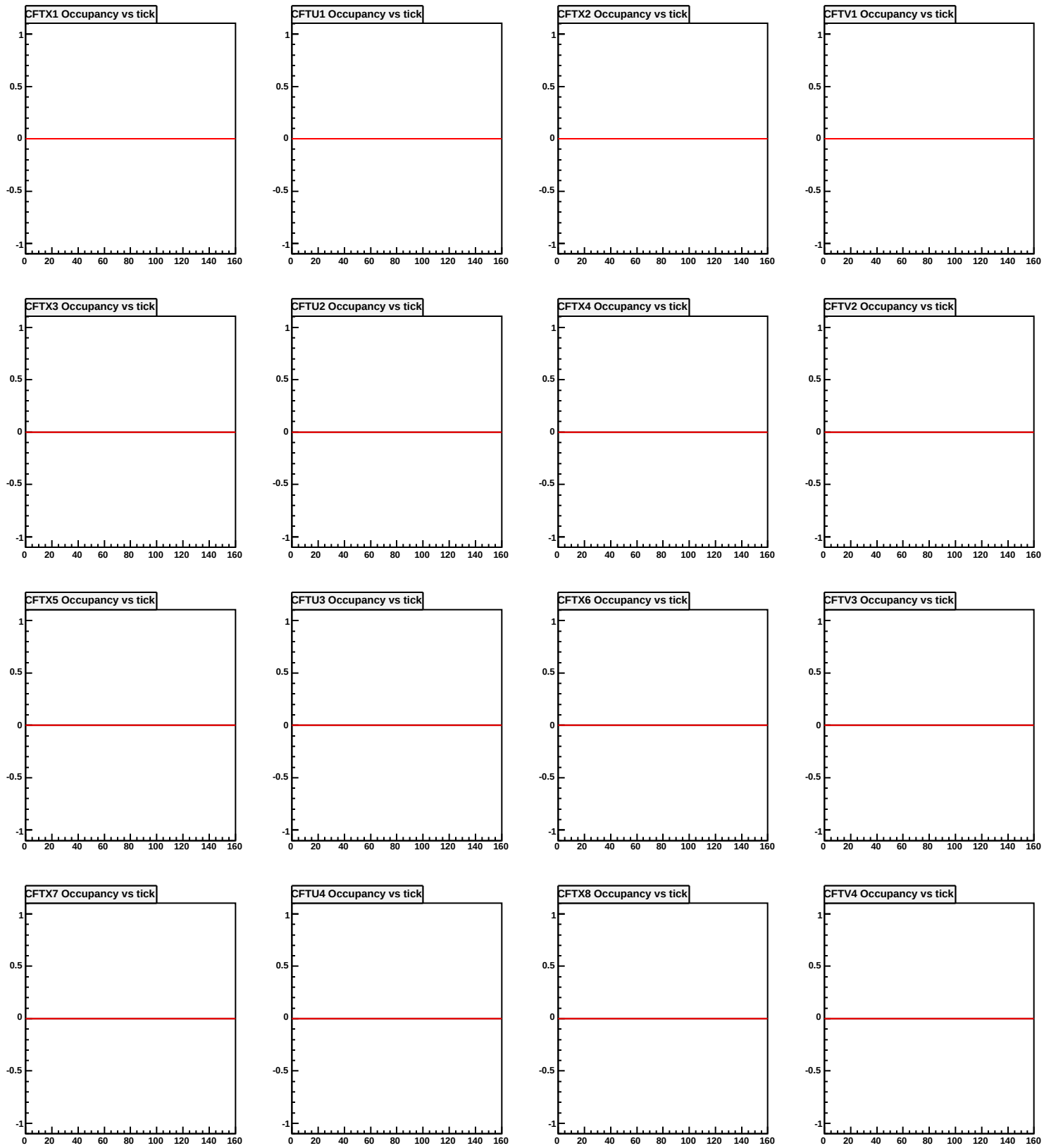
CFT Summary (Clusters on tracks)



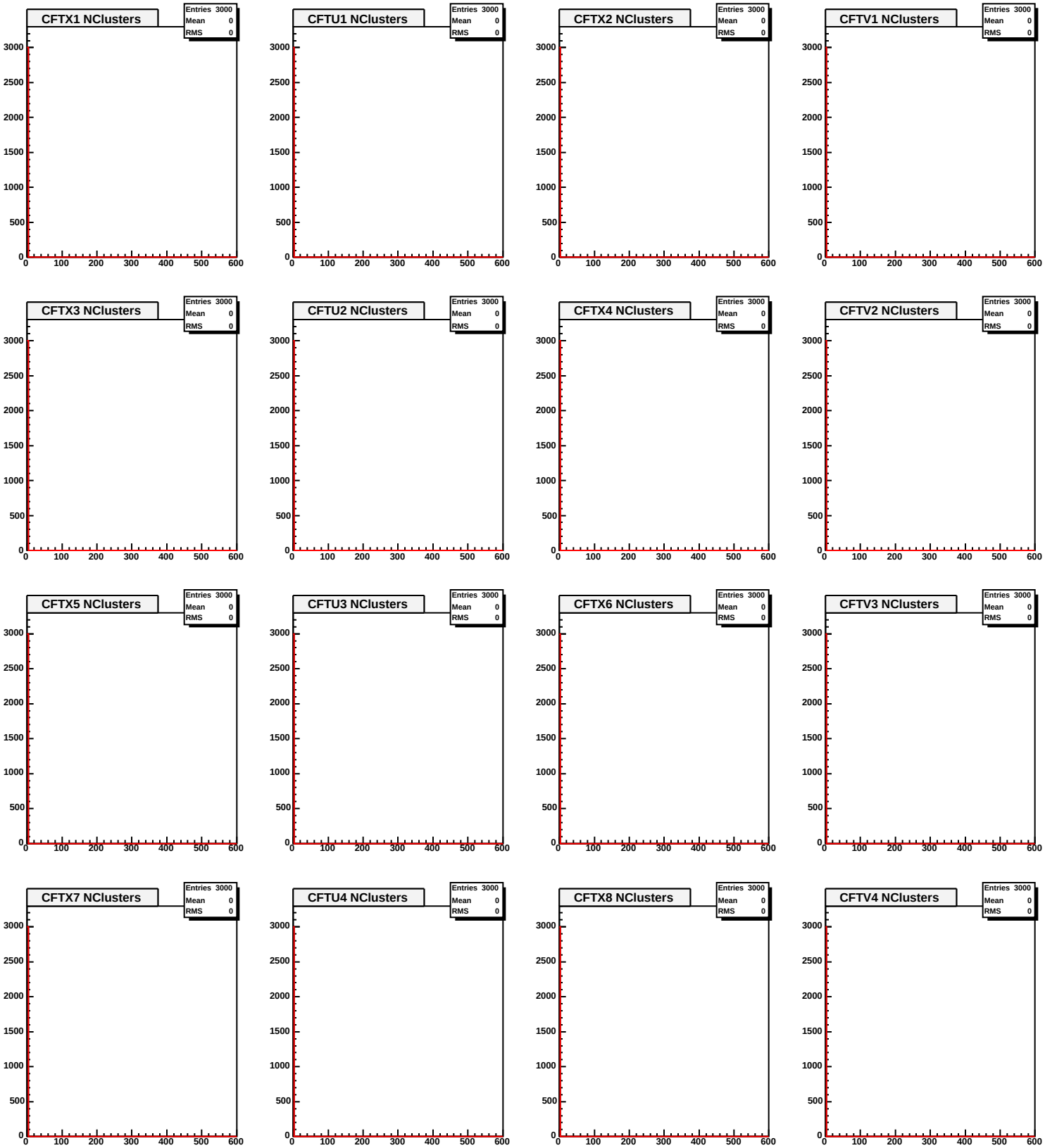
CFT Occupancy (Clusters on tracks)



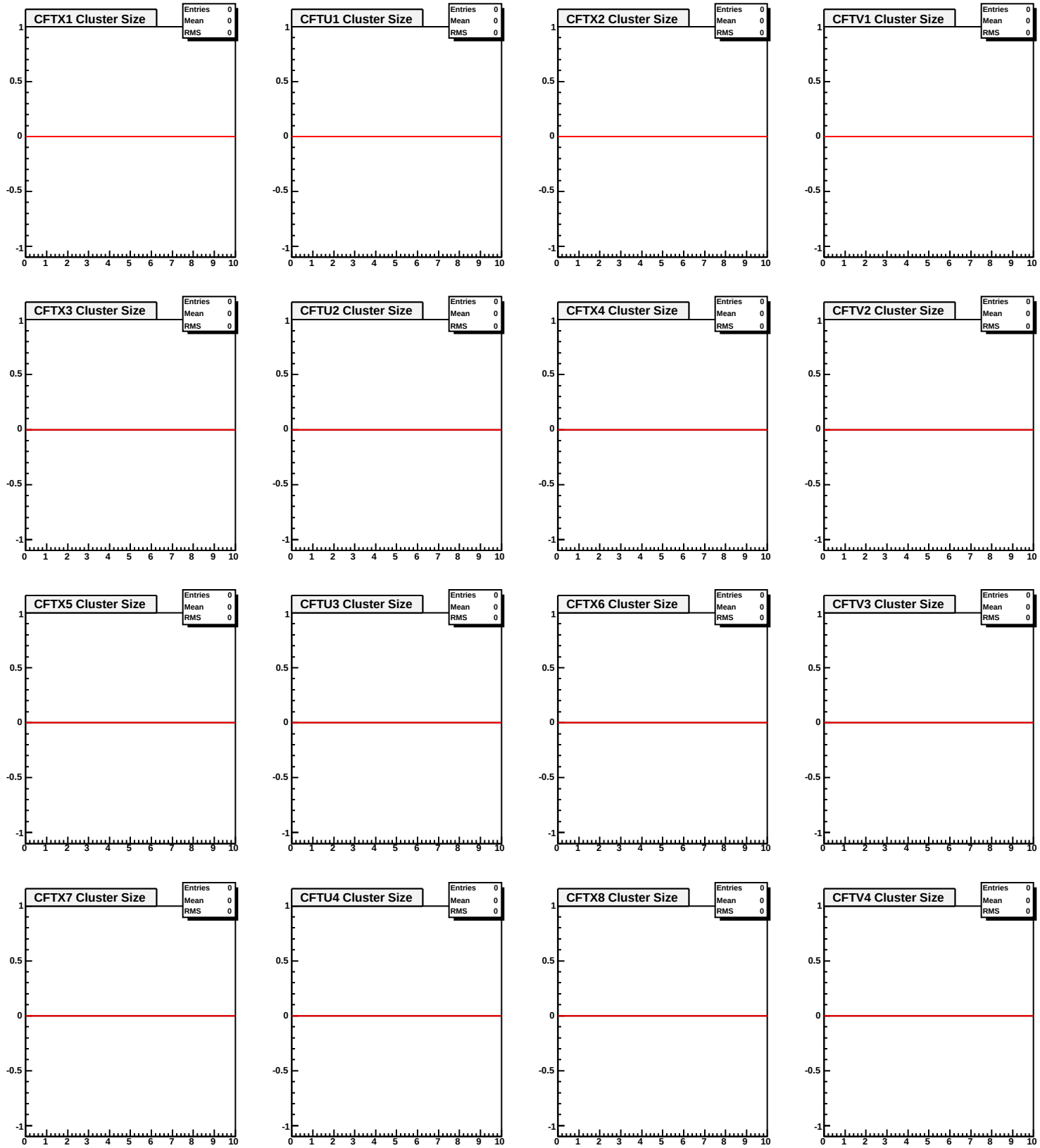
CFT ADC Summary (Clusters on tracks)



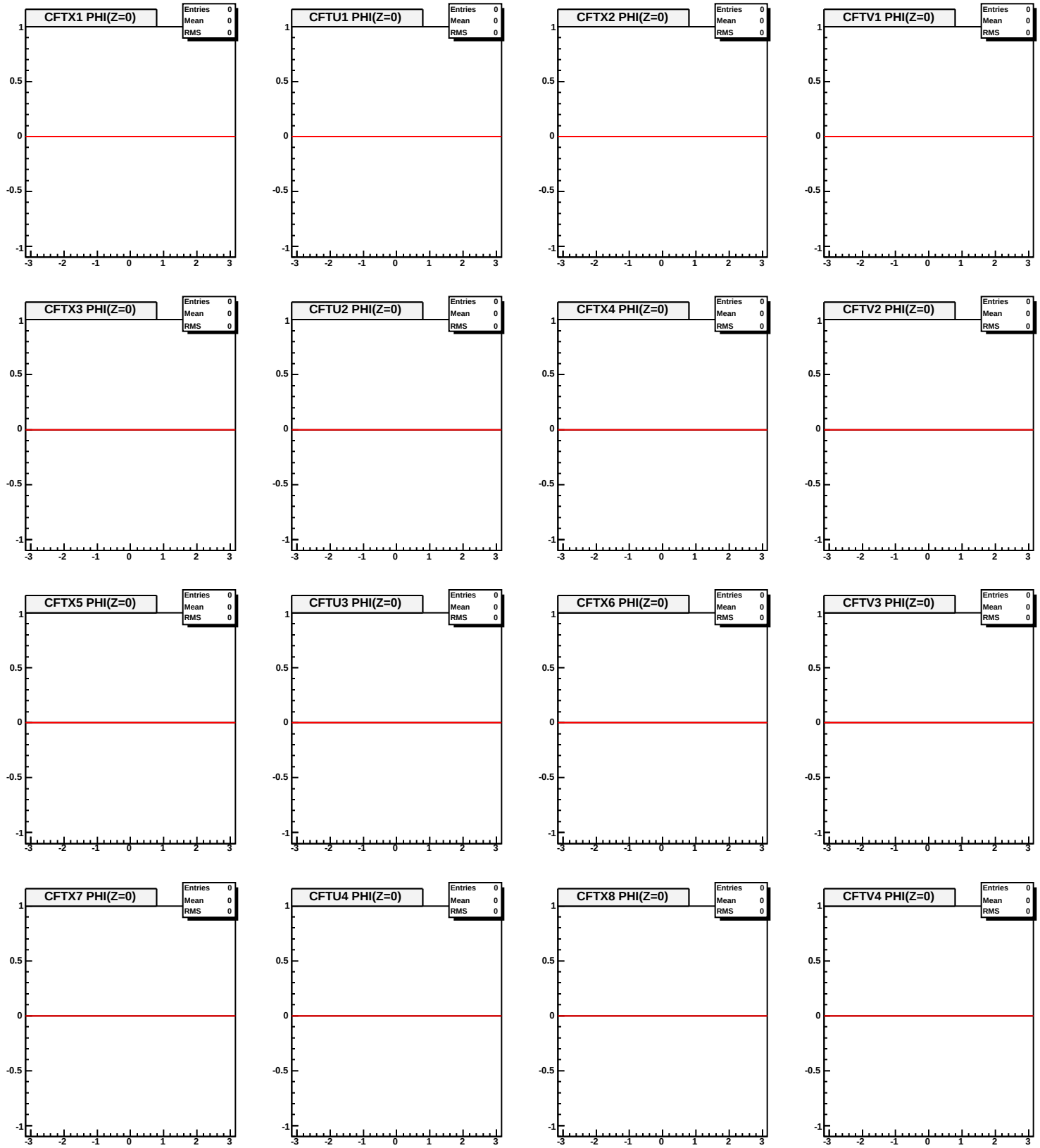
CFT Occupancy vs Tick (Clusters on tracks)



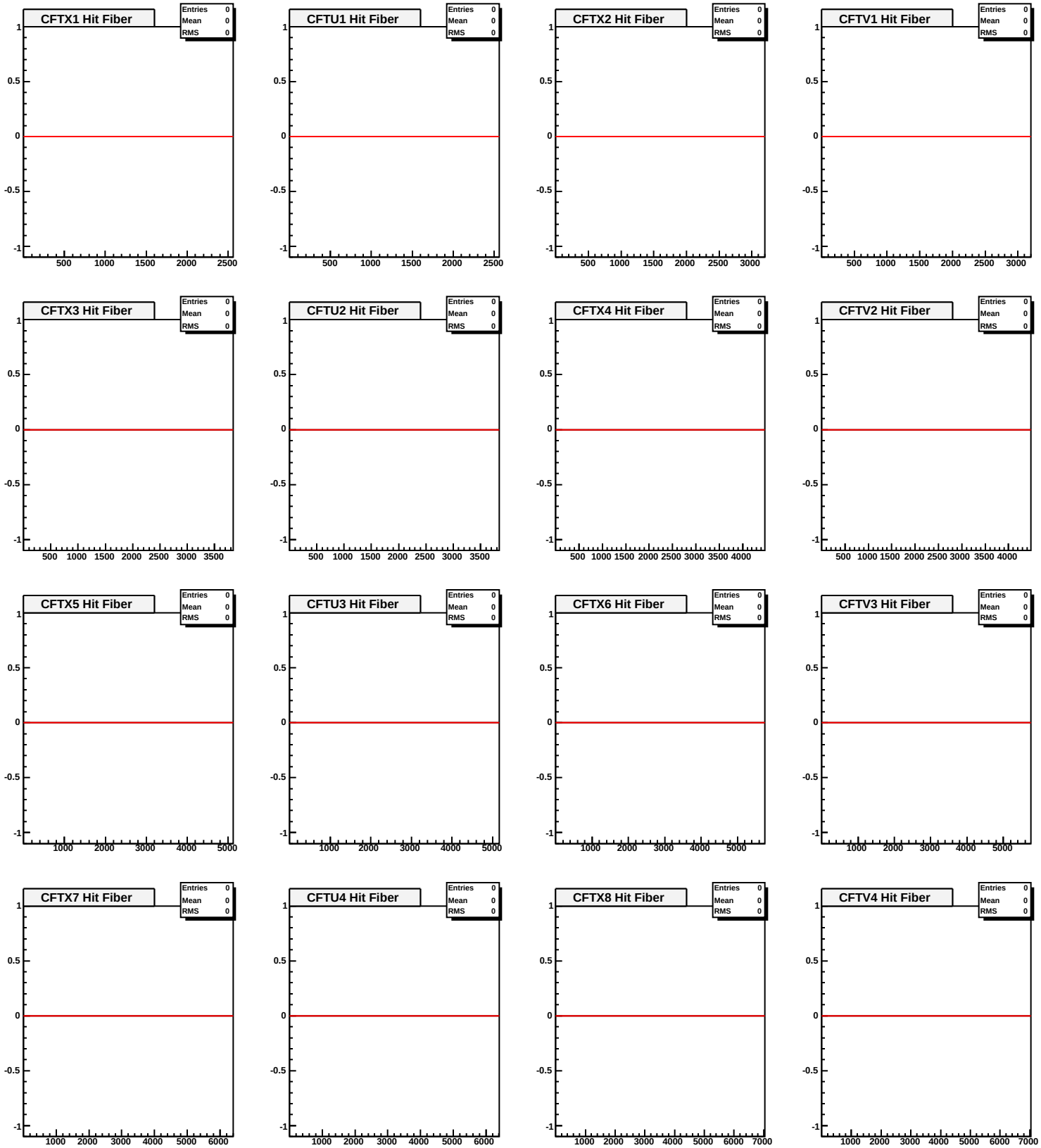
CFT NClusters (Clusters on tracks)



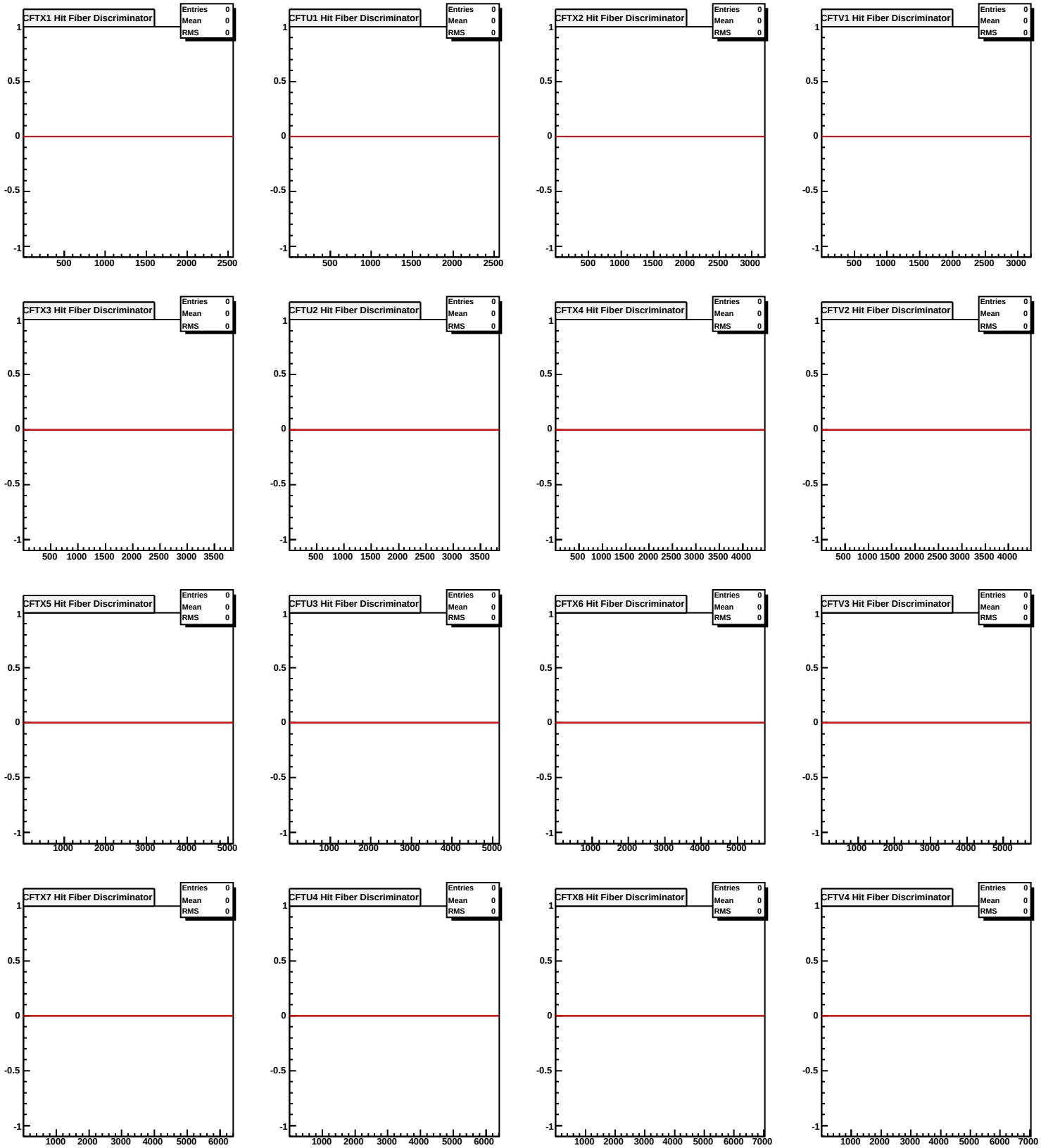
CFT Cluster Size (Clusters on tracks)



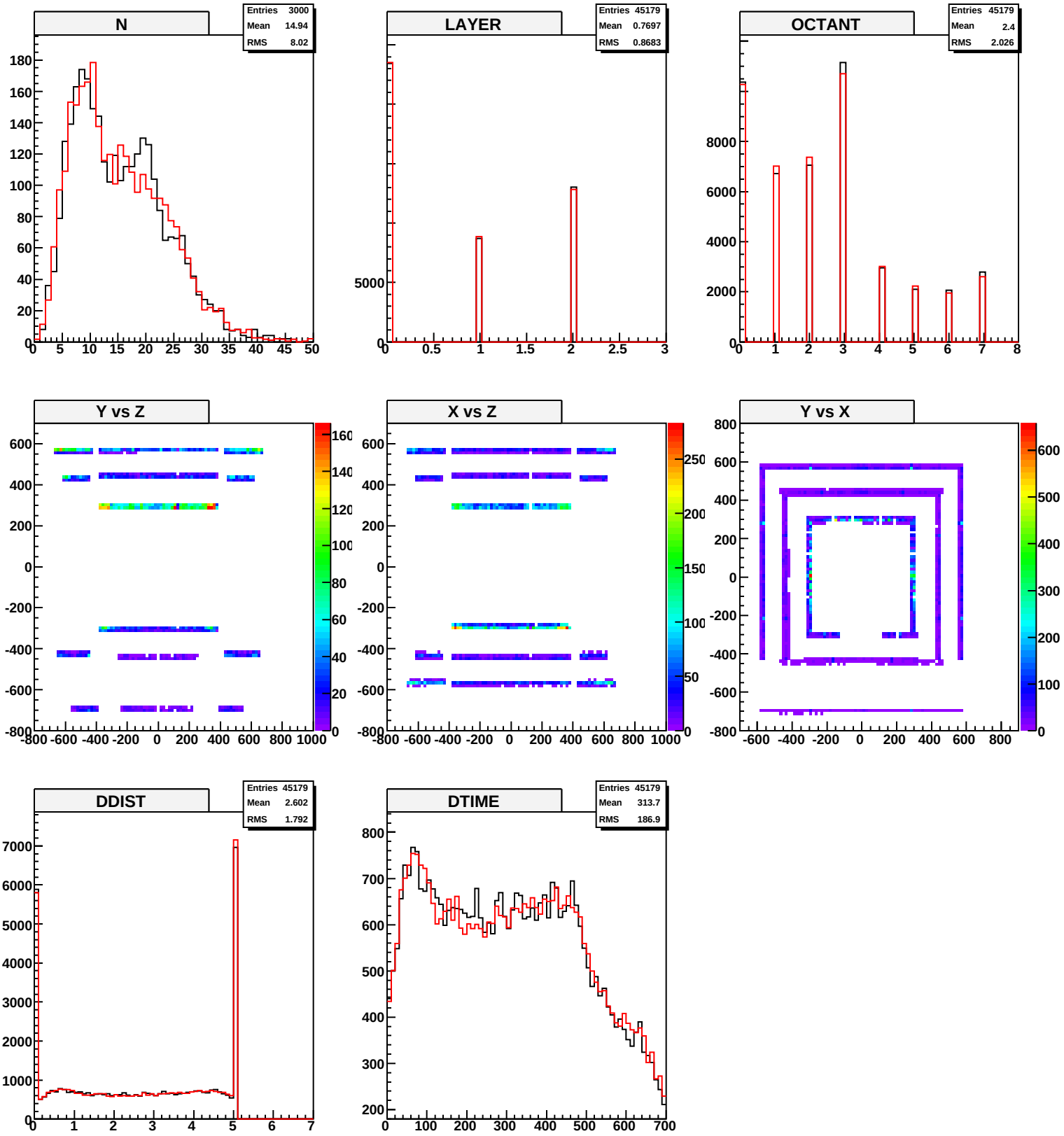
CFT PHI(Z=0) (Clusters on tracks)



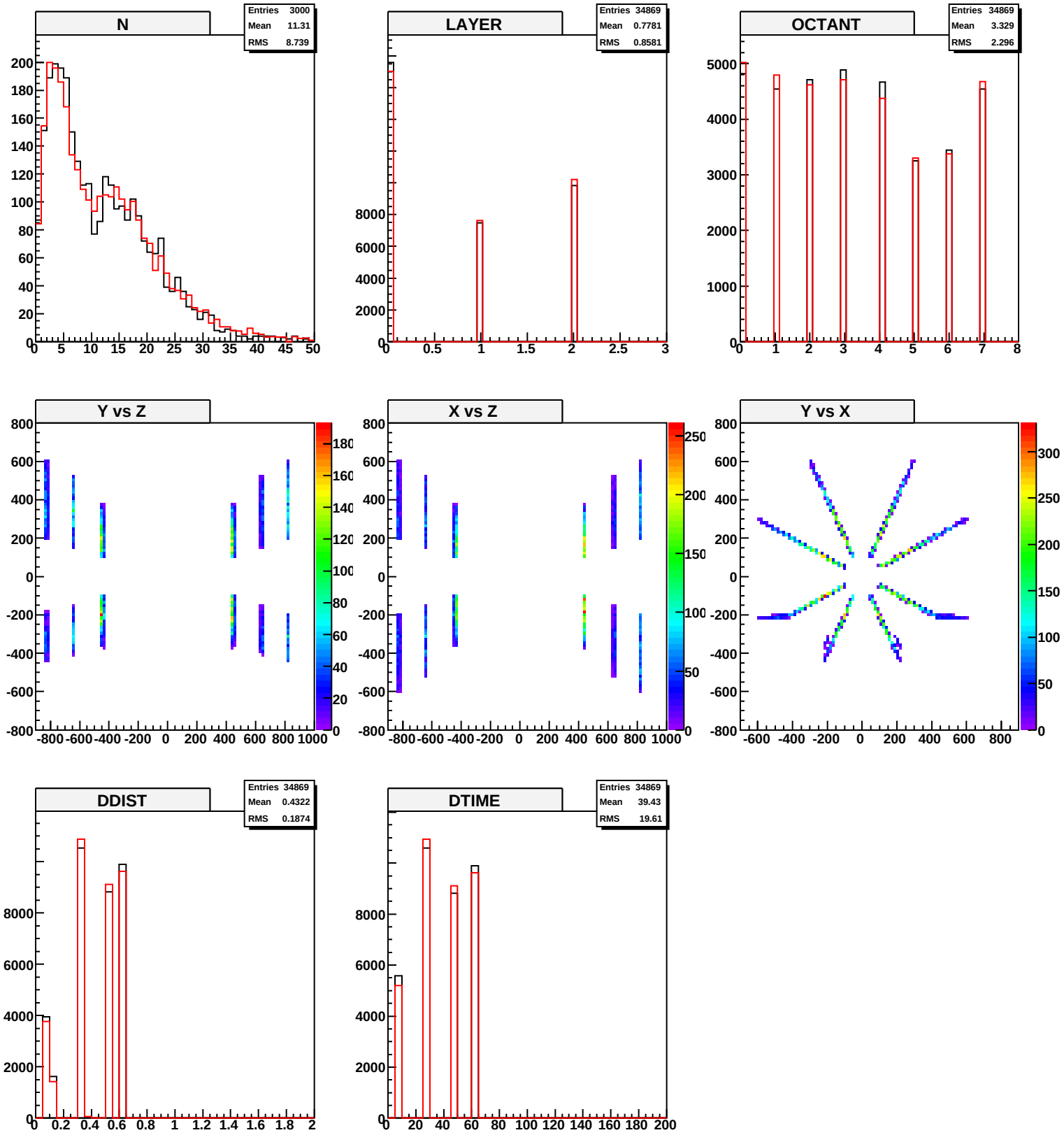
CFT Hit Fiber (Clusters on tracks)



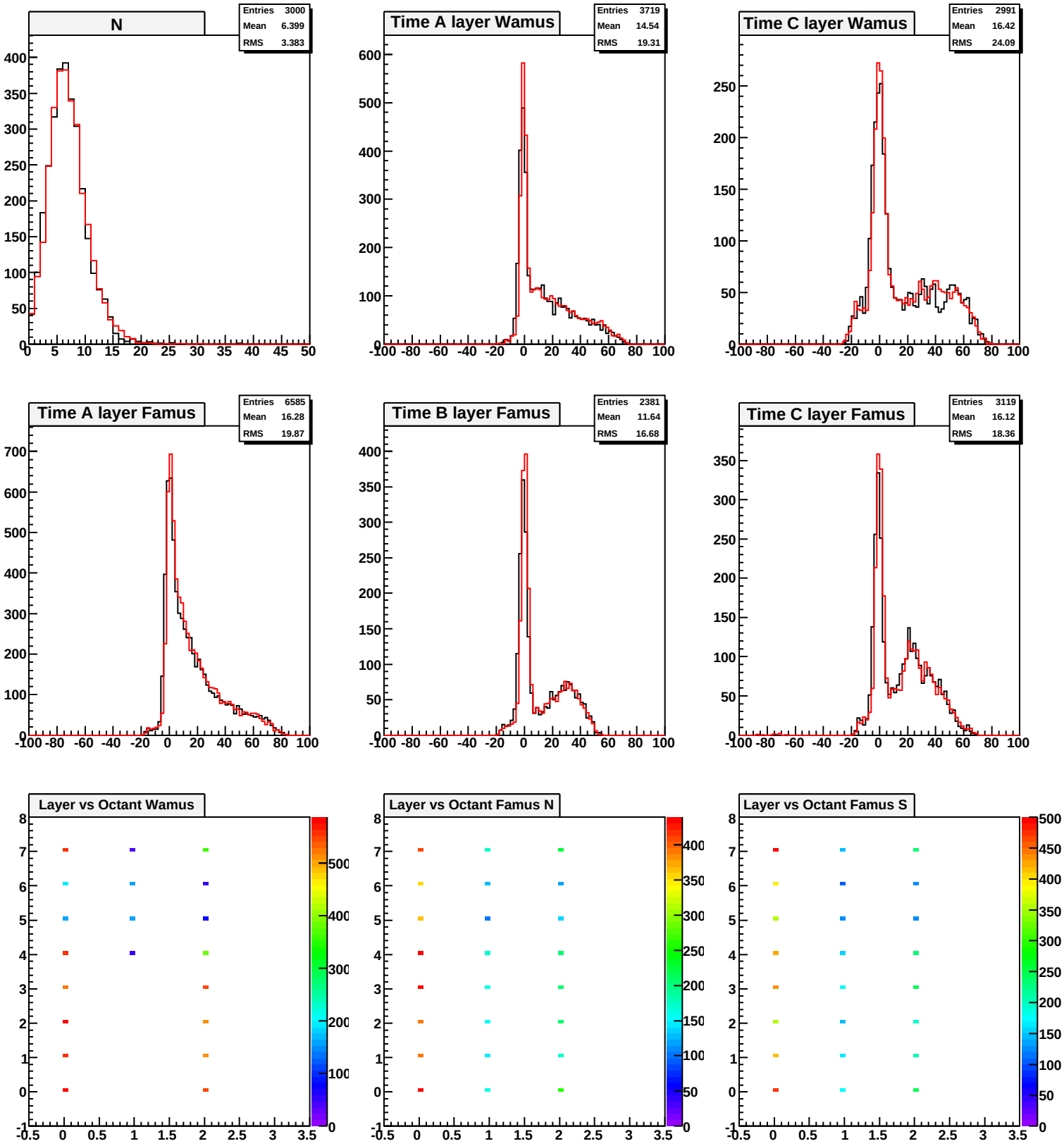
CFT Hit Fiber Discriminator (Clusters on tracks)


N
Entries 3000
Mean 14.94
RMS 8.02
LAYER
Entries 45179
Mean 0.7697
RMS 0.8683
OCTANT
Entries 45179
Mean 2.4
RMS 2.026
Y vs Z
X vs Z
Y vs X
DDIST
Entries 45179
Mean 2.602
RMS 1.792
DTIME
Entries 45179
Mean 313.7
RMS 186.9

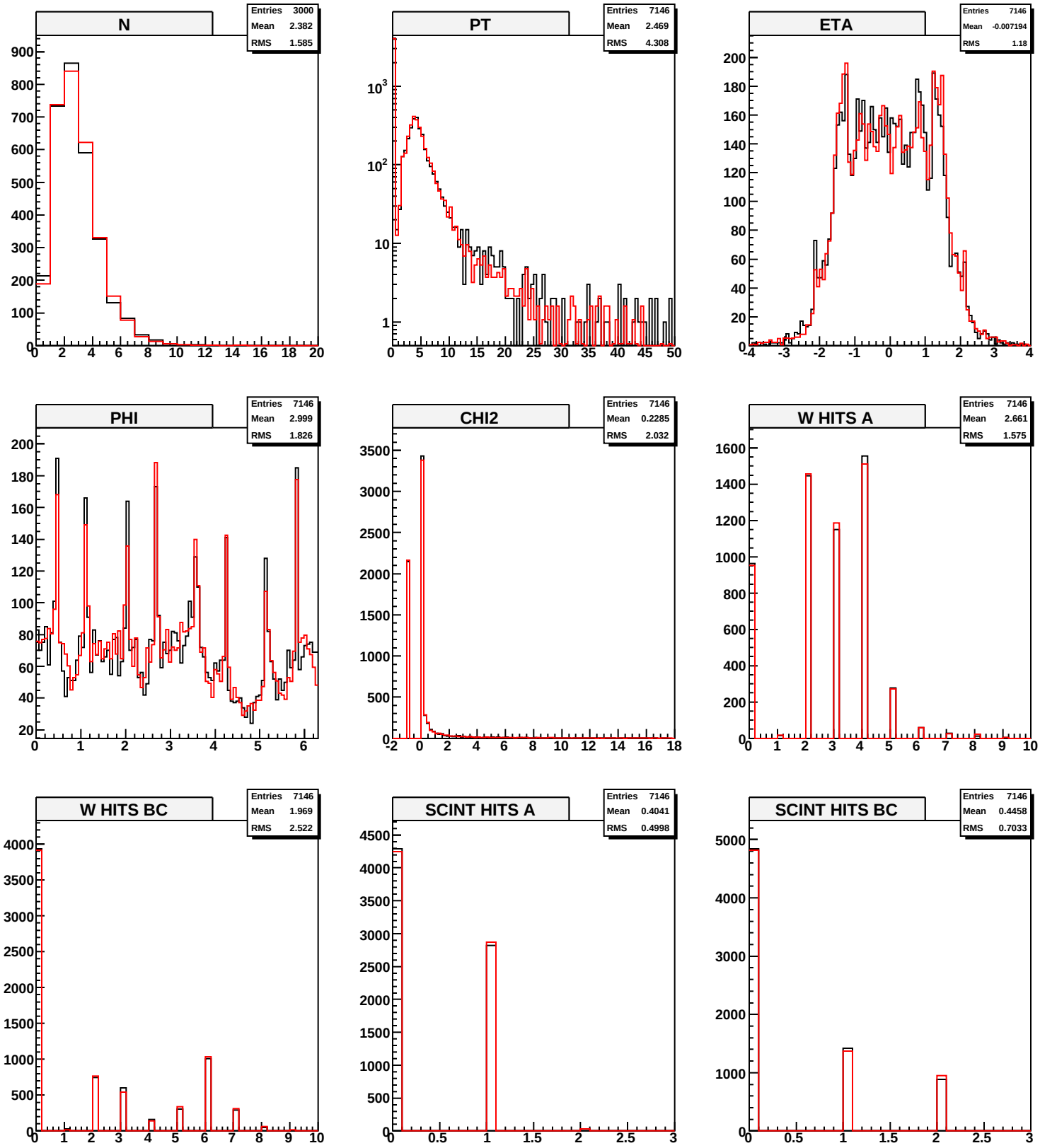
MuonPDT (All)


N
Entries 3000
Mean 11.31
RMS 8.739
LAYER
Entries 34869
Mean 0.7781
RMS 0.8581
OCTANT
Entries 34869
Mean 3.329
RMS 2.296
Y vs Z
X vs Z
Y vs X
DDIST
Entries 34869
Mean 0.4322
RMS 0.1874
DTIME
Entries 34869
Mean 39.43
RMS 19.61

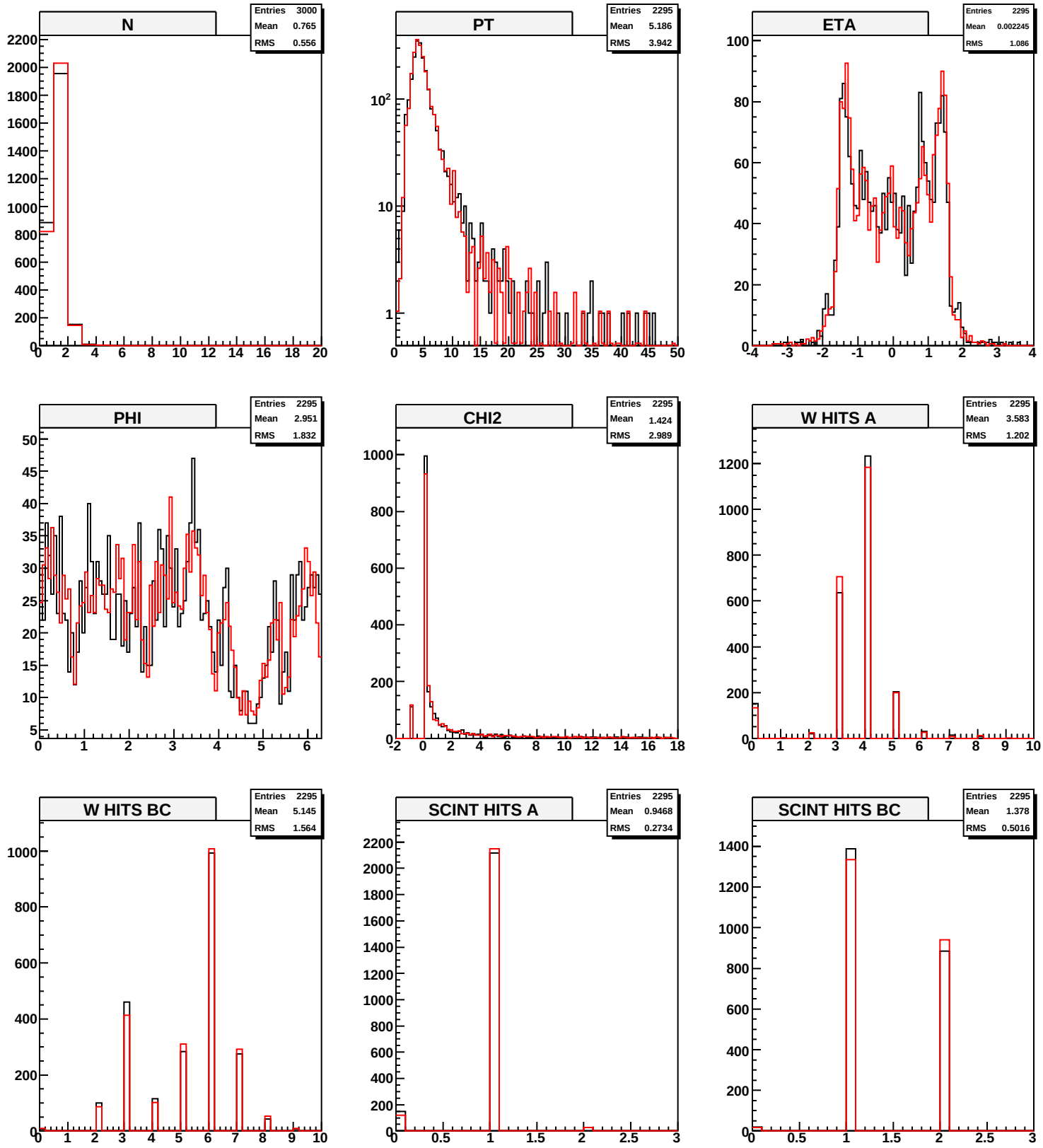
MuonMDT (All)


N
Entries 3000
Mean 6.399
RMS 3.383
Time A layer Wamus
Entries 3719
Mean 14.54
RMS 19.31
Time C layer Wamus
Entries 2991
Mean 16.42
RMS 24.09
Time A layer Famus
Entries 6585
Mean 16.28
RMS 19.87
Time B layer Famus
Entries 2381
Mean 11.64
RMS 16.68
Time C layer Famus
Entries 3119
Mean 16.12
RMS 18.36
Layer vs Octant Wamus
Layer vs Octant Famus N
Layer vs Octant Famus S

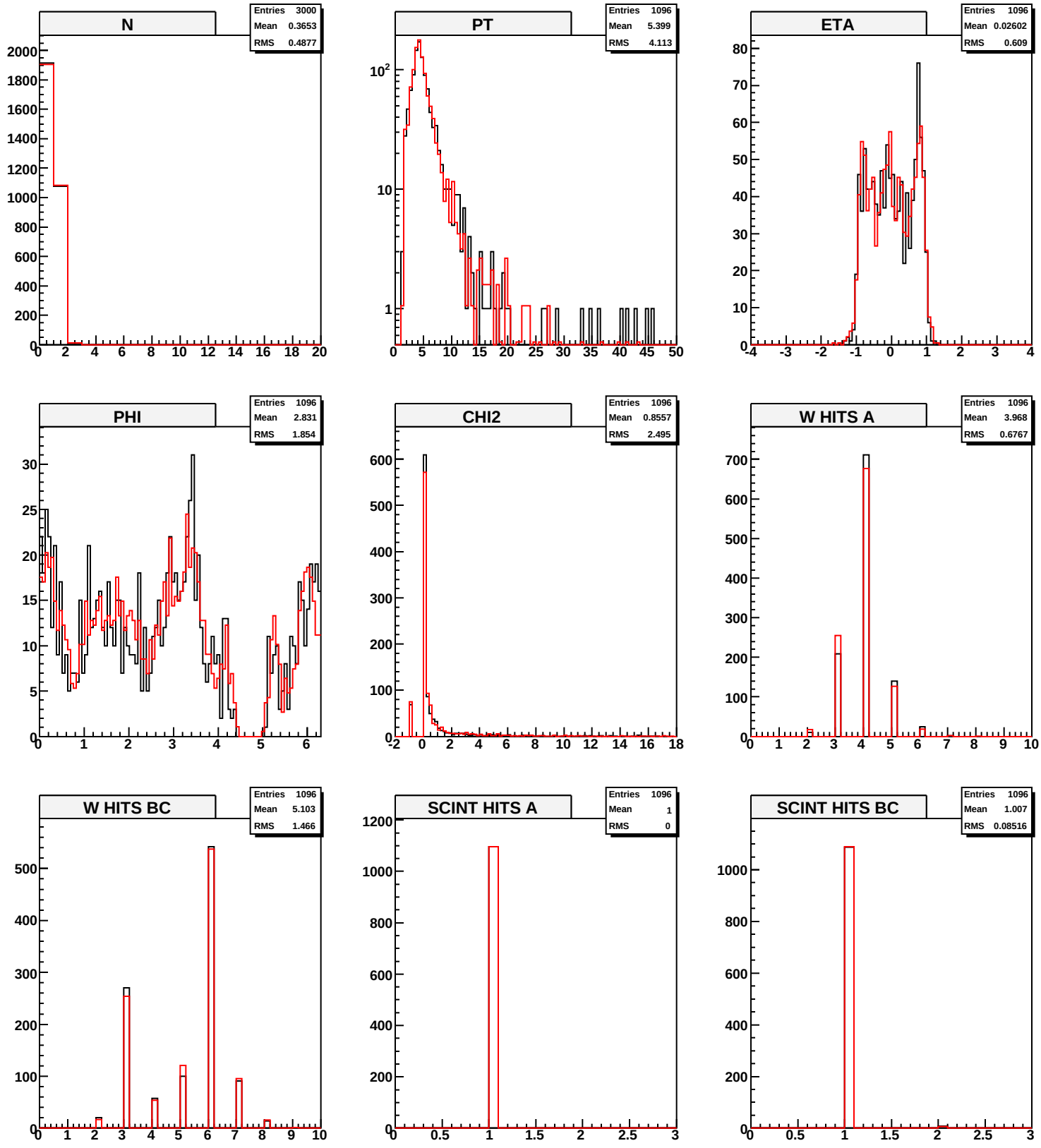
MuonMSC (All)



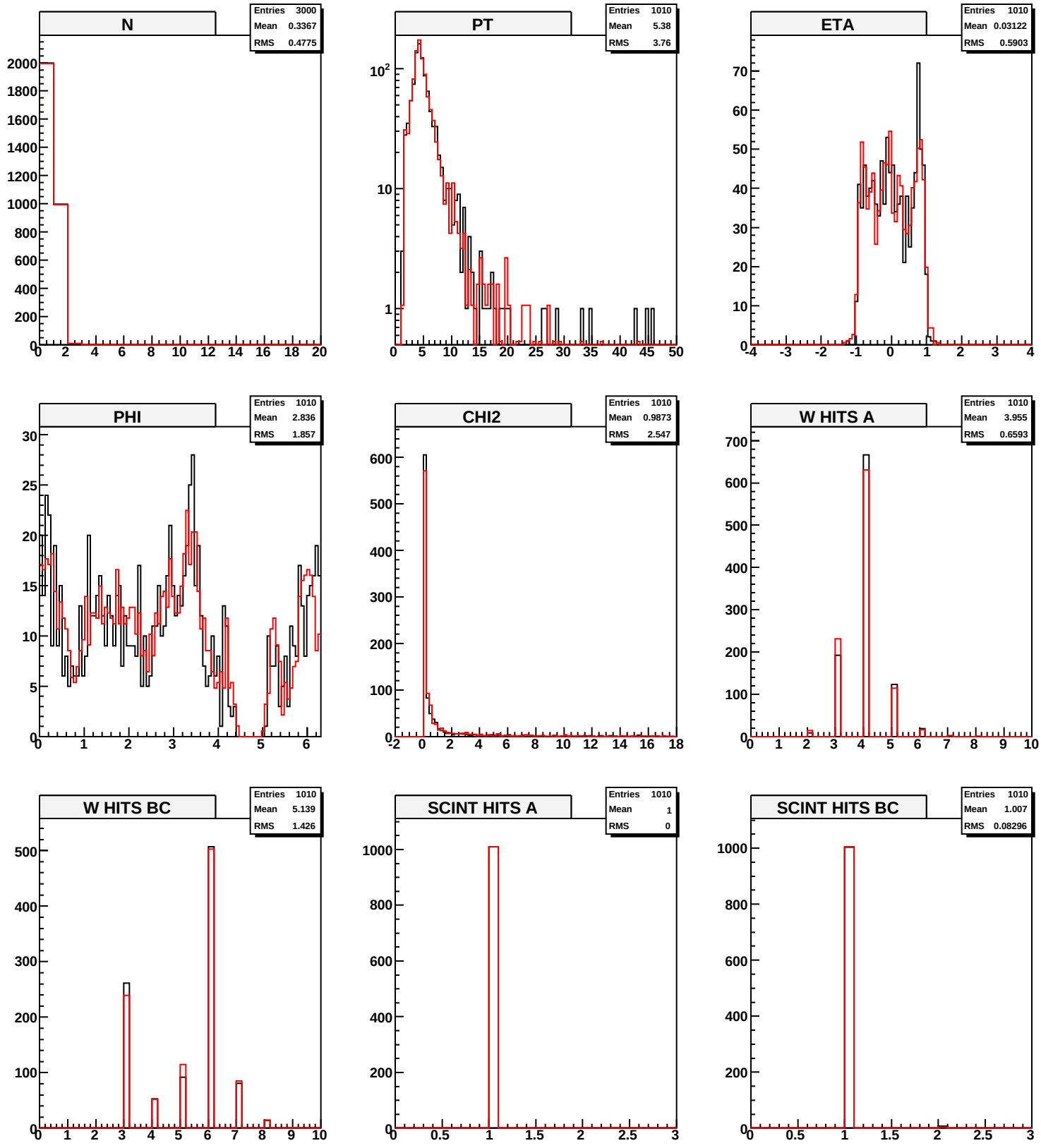
Muon Local Tracks (All)



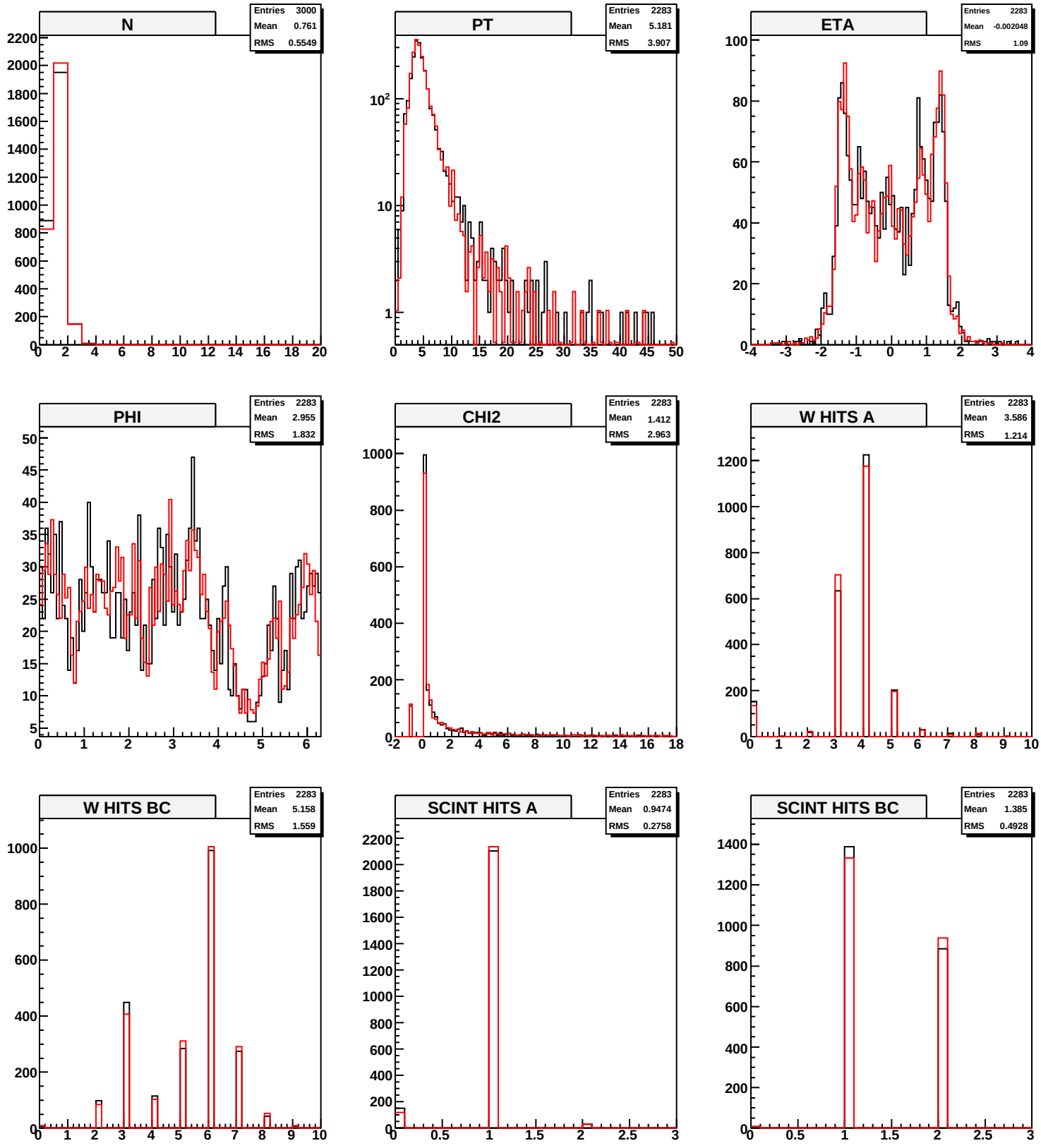
Muon Local Tracks (LooseWamus)



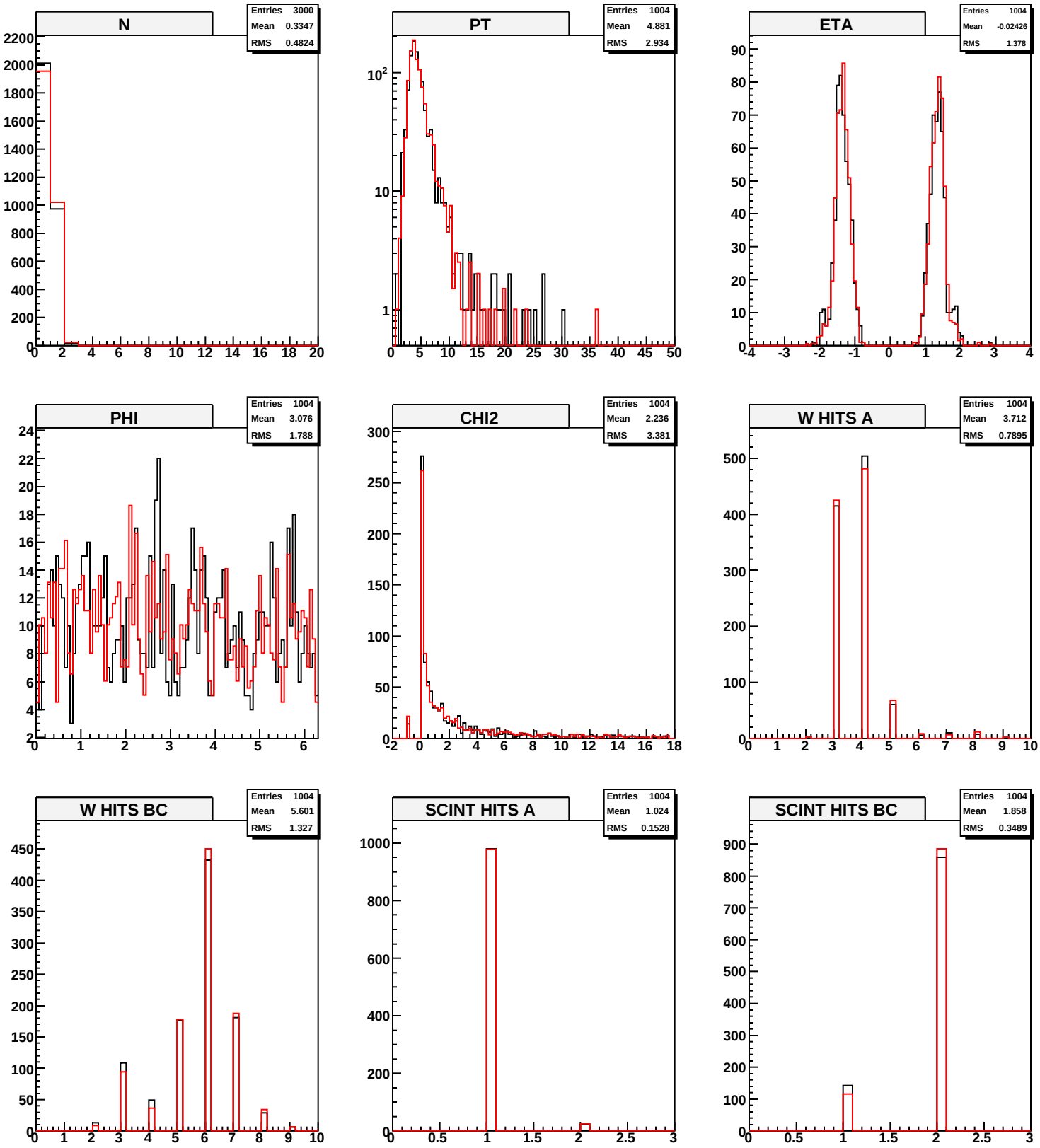
Muon Local Tracks (MediumWamus)



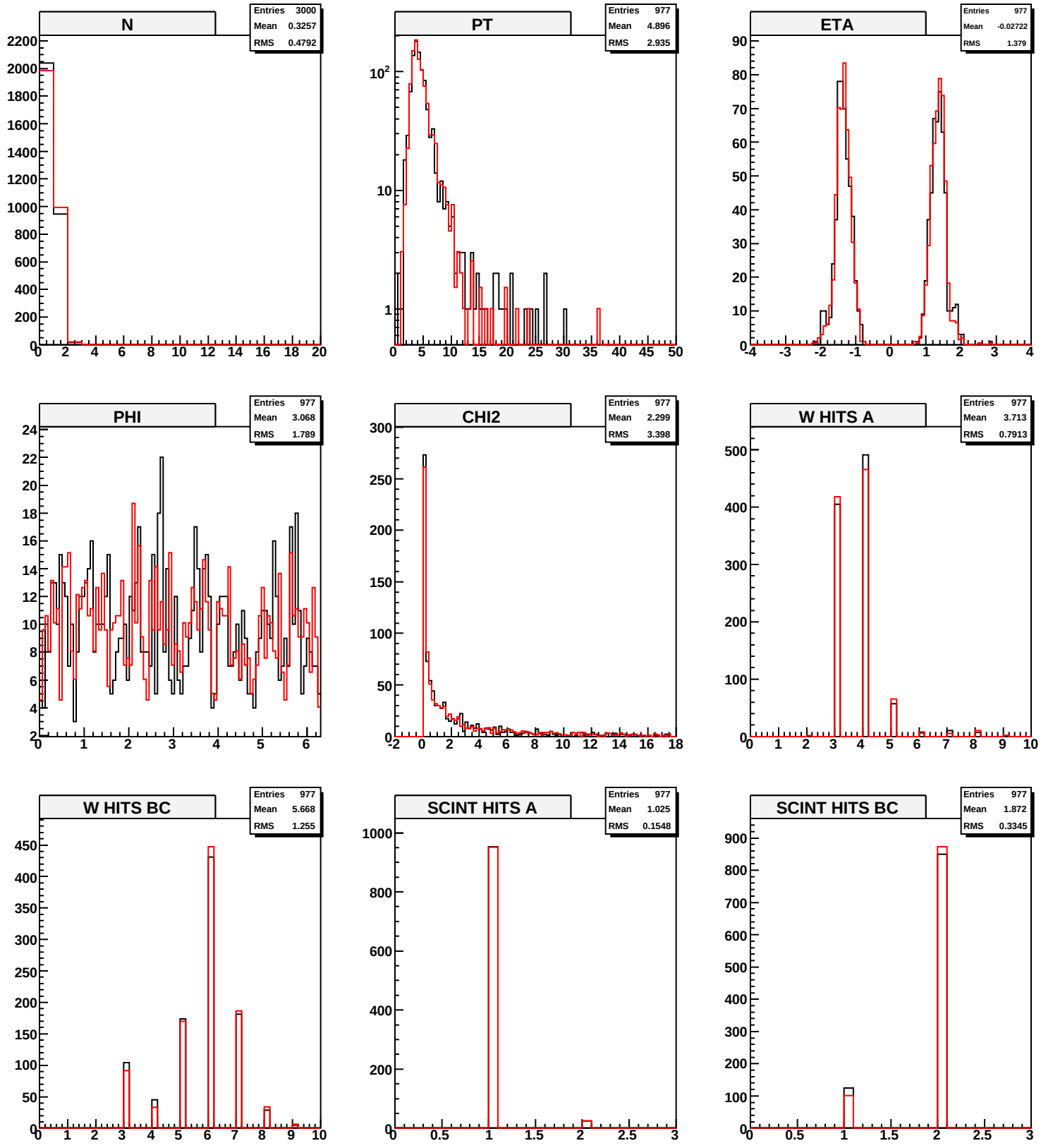
Muon Local Tracks (TightWamus)



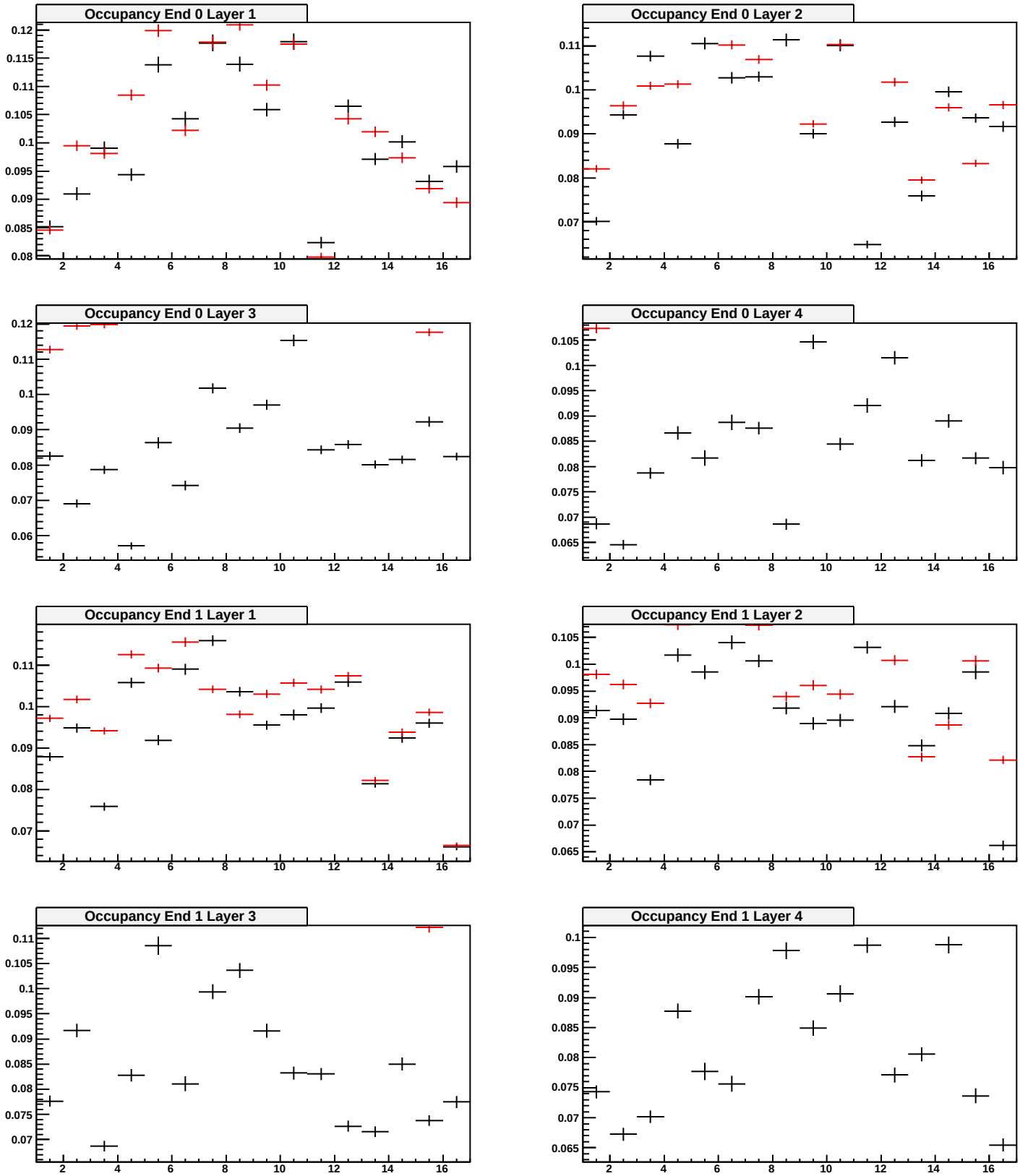
Muon Local Tracks (LooseFamus)



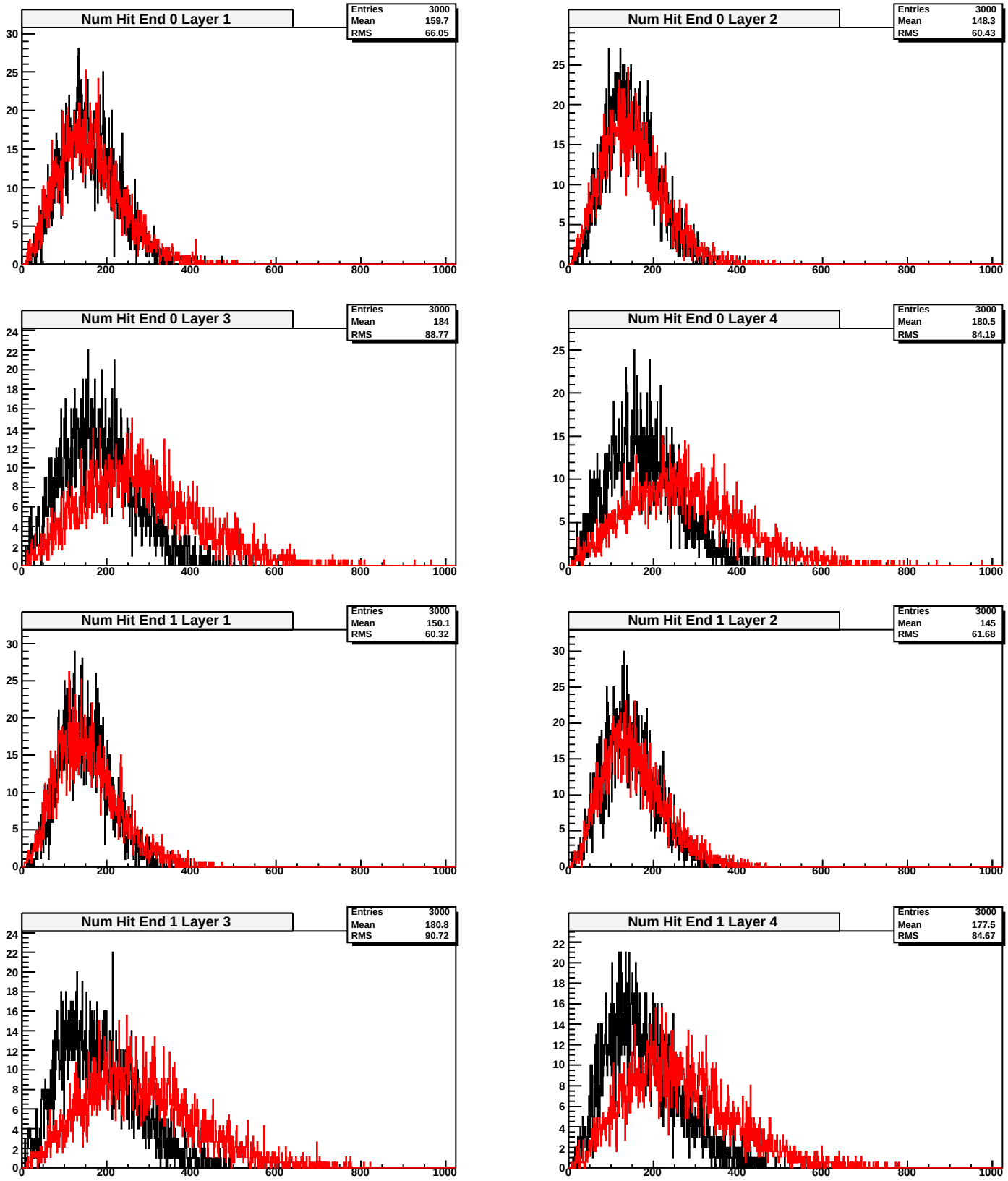
Muon Local Tracks (MediumFamus)



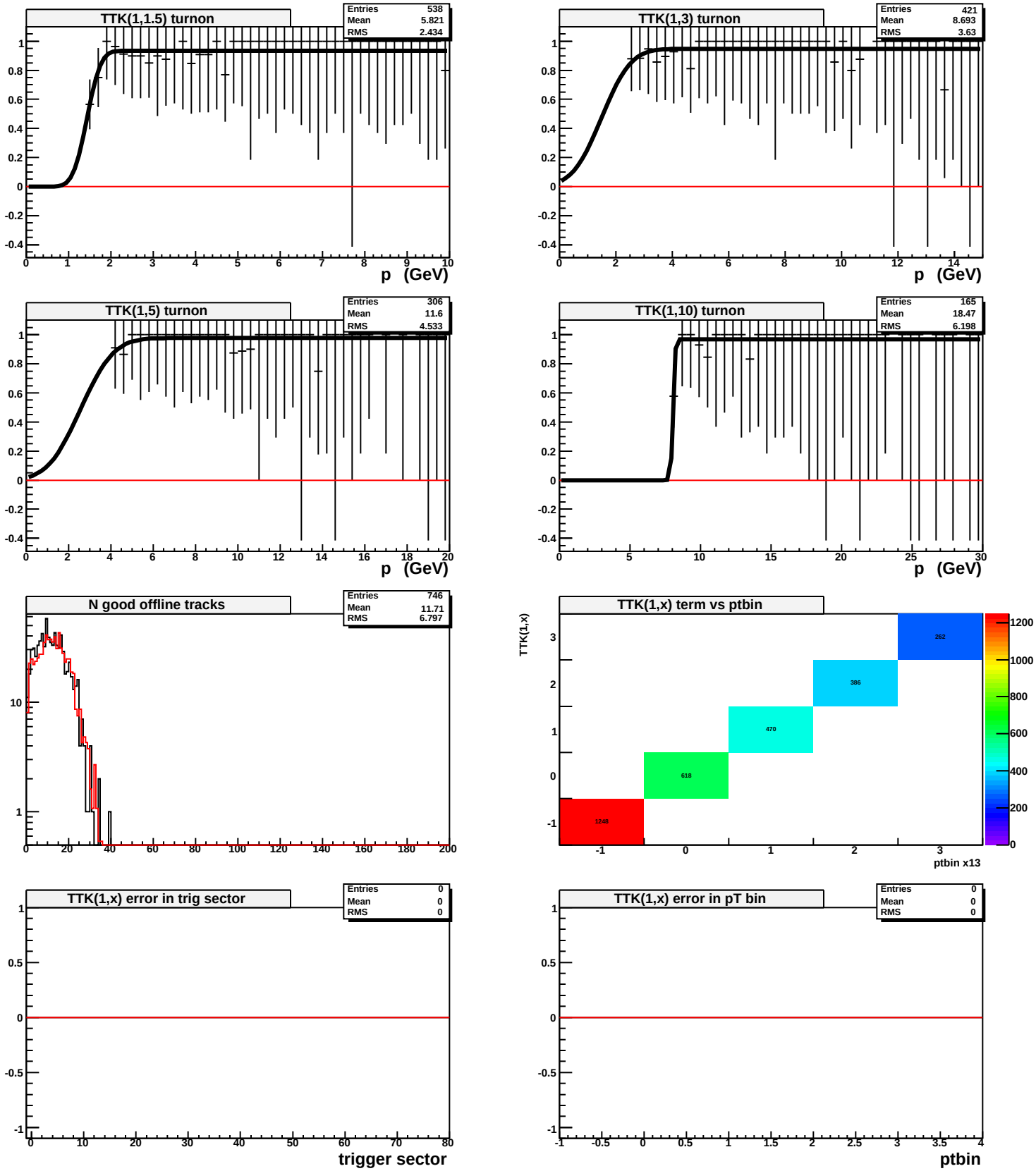
Muon Local Tracks (TightFamus)



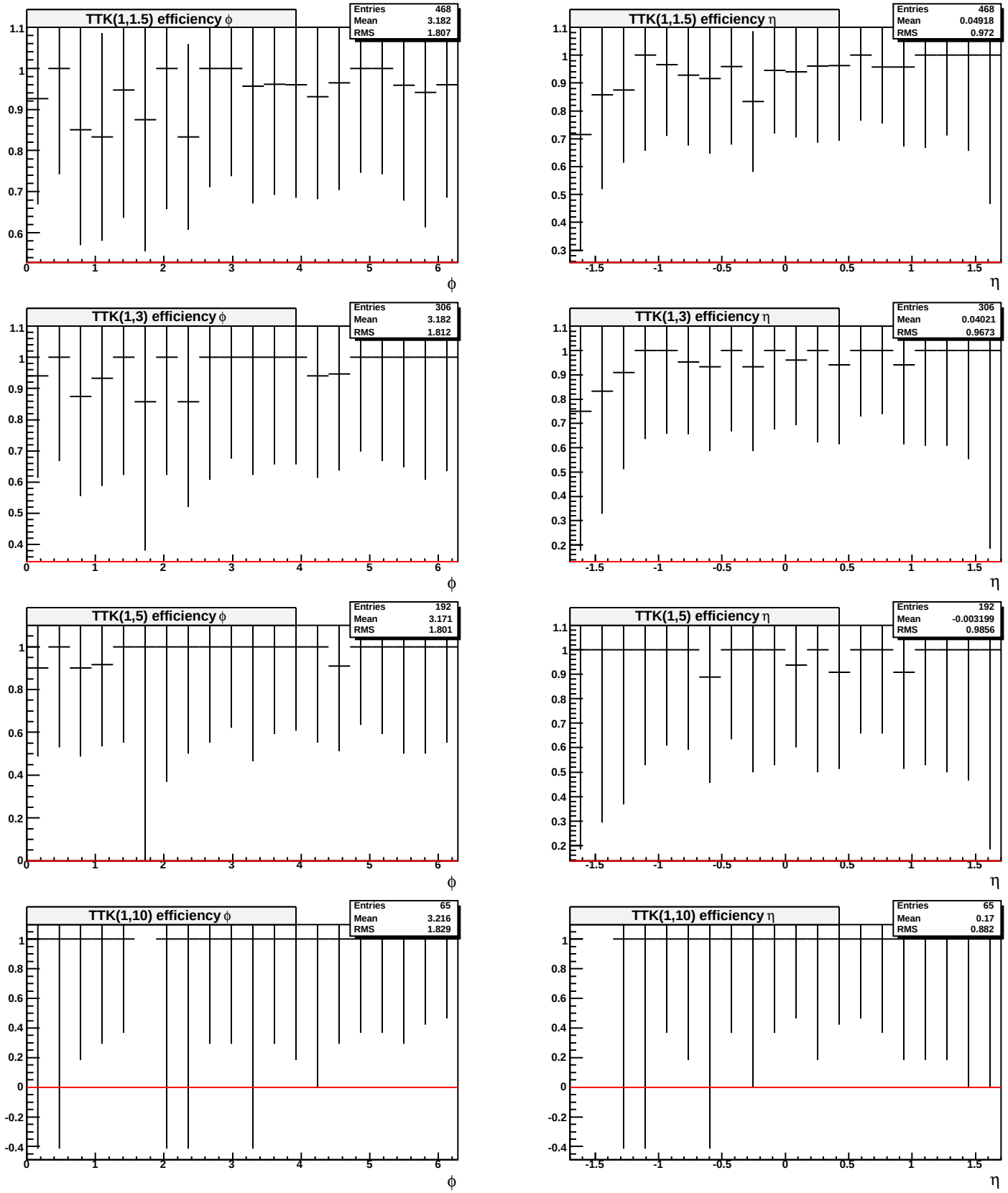
FPS Hit Occupancy (All)



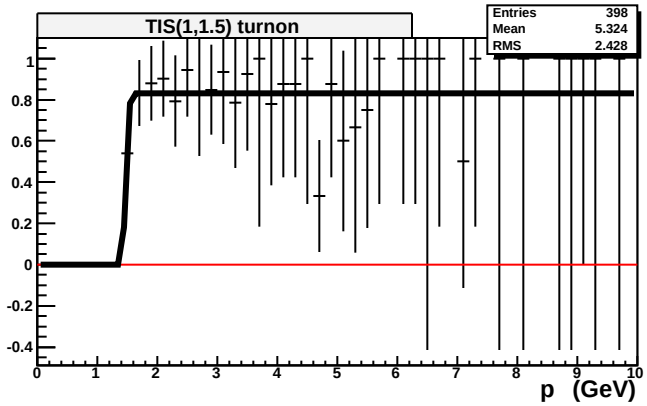
FPS Number of Hits (All)

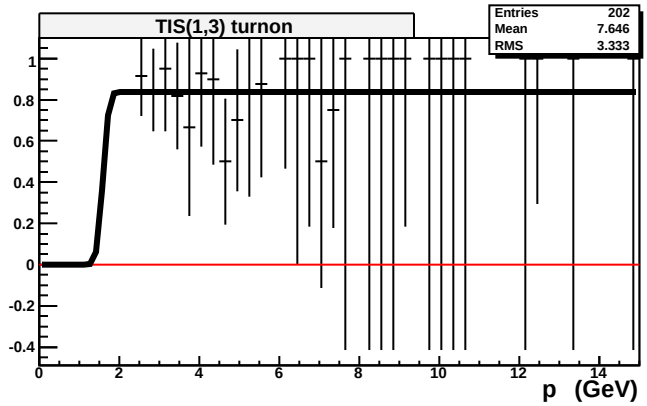


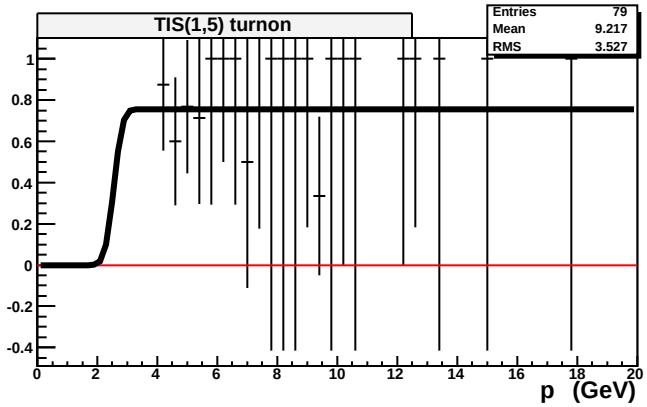
TTK (L1CTT All)

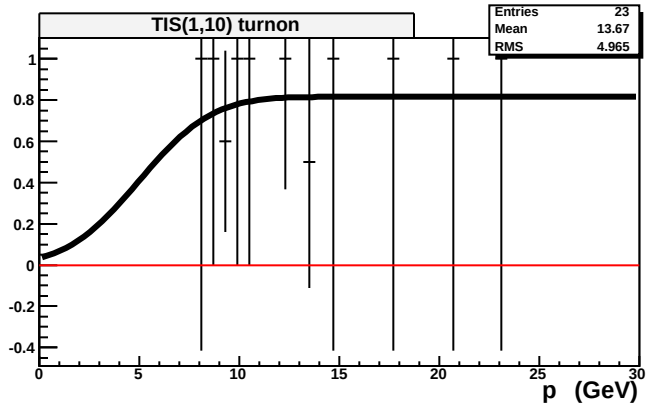


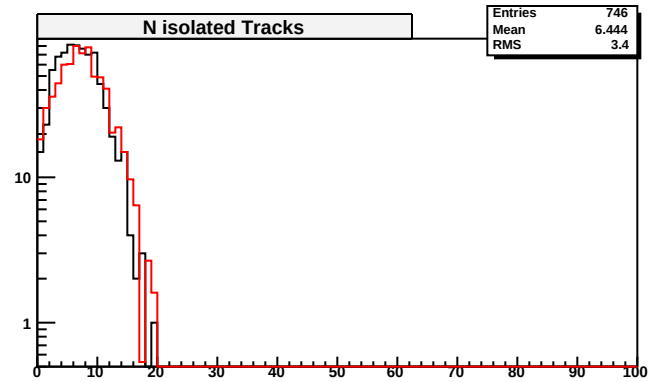
TTK phi/eta (L1CTT All)

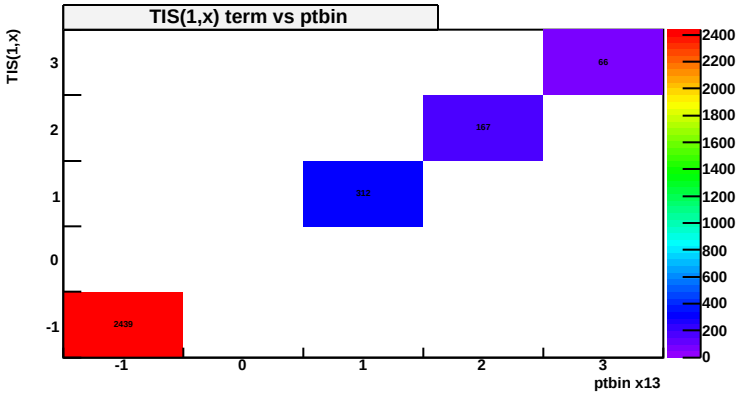


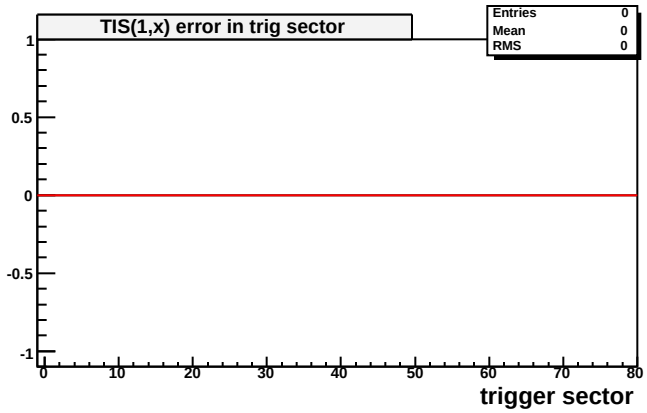


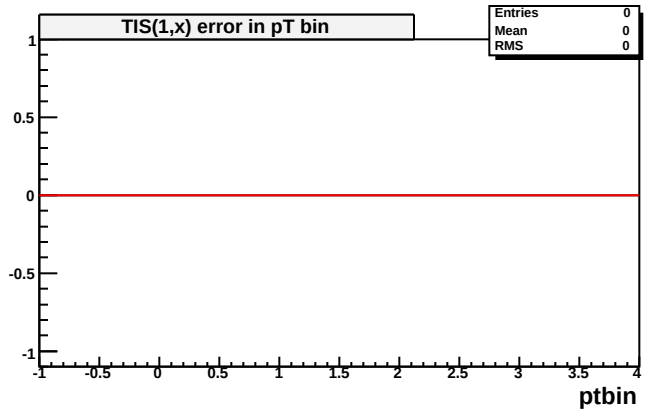




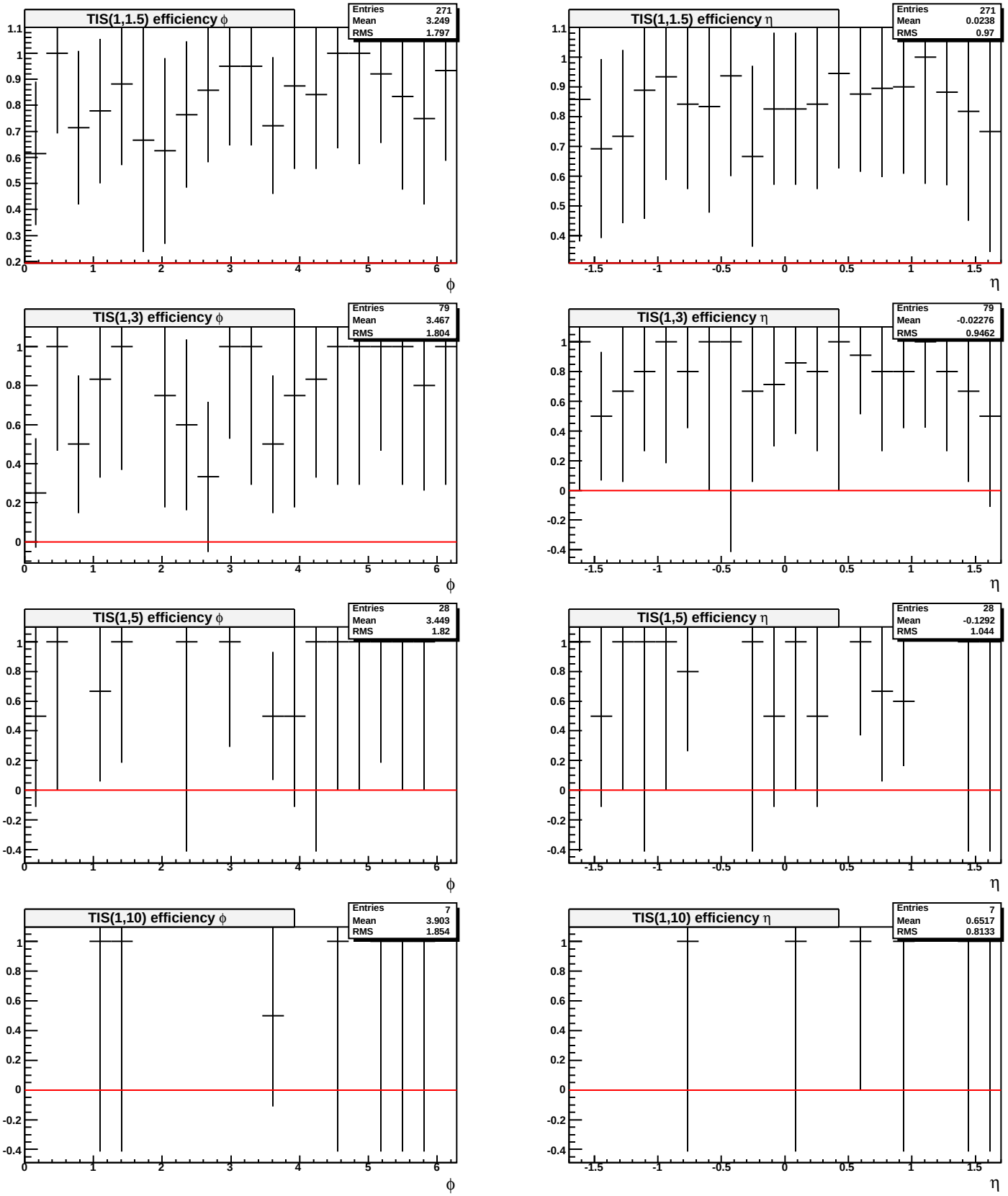




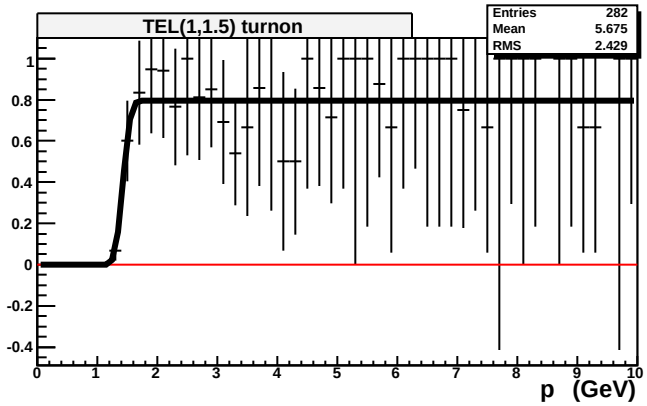


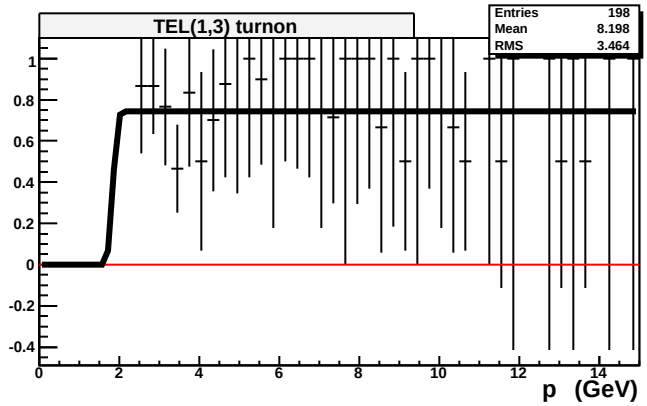


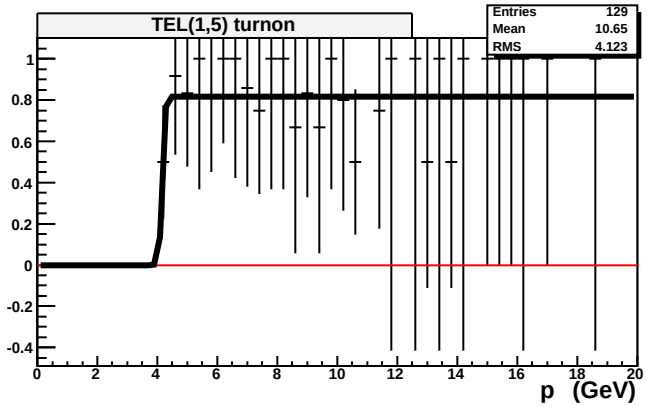
TIS (L1CTT All)

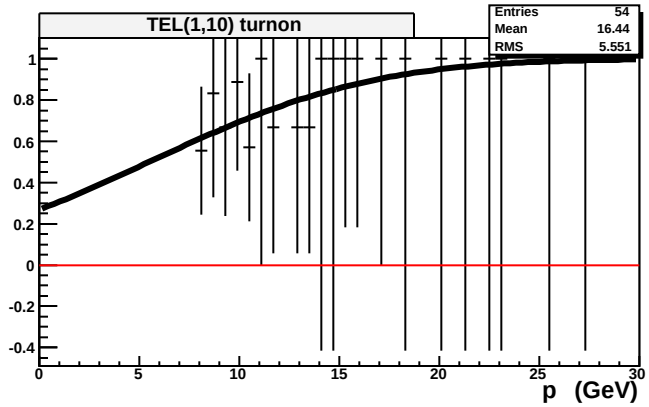


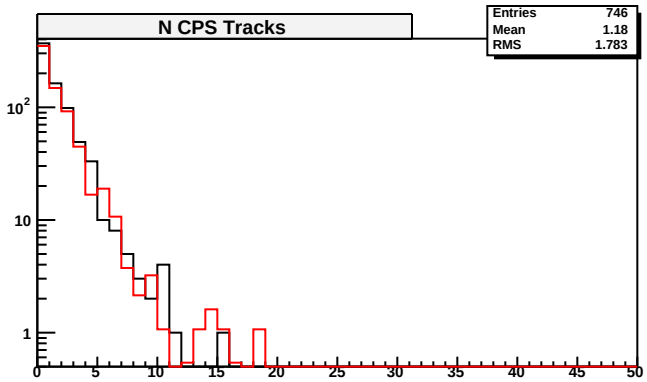
TIS phi/eta (L1CTT All)

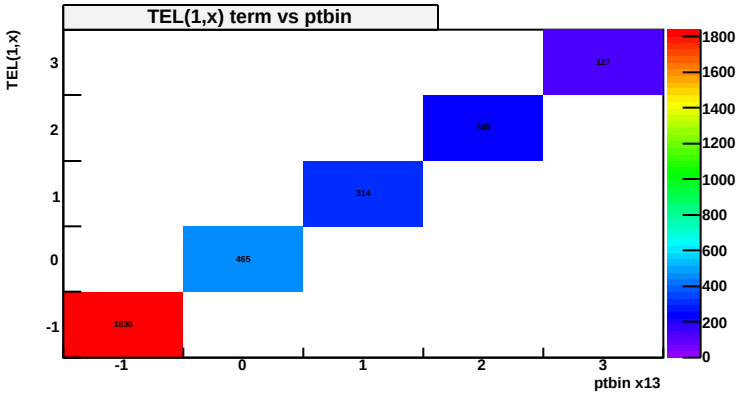


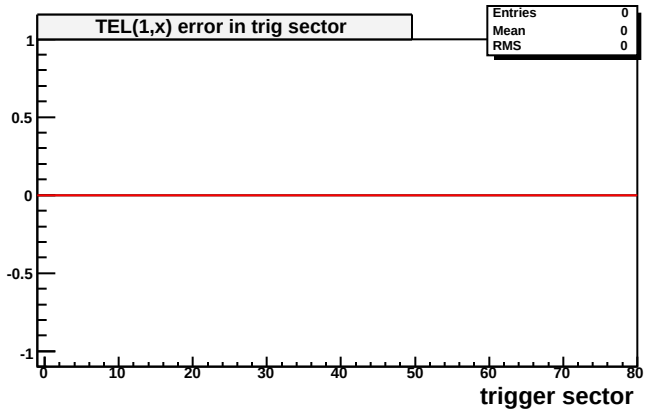


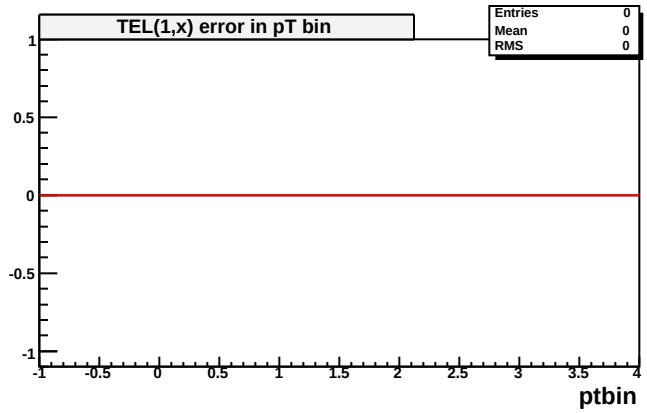




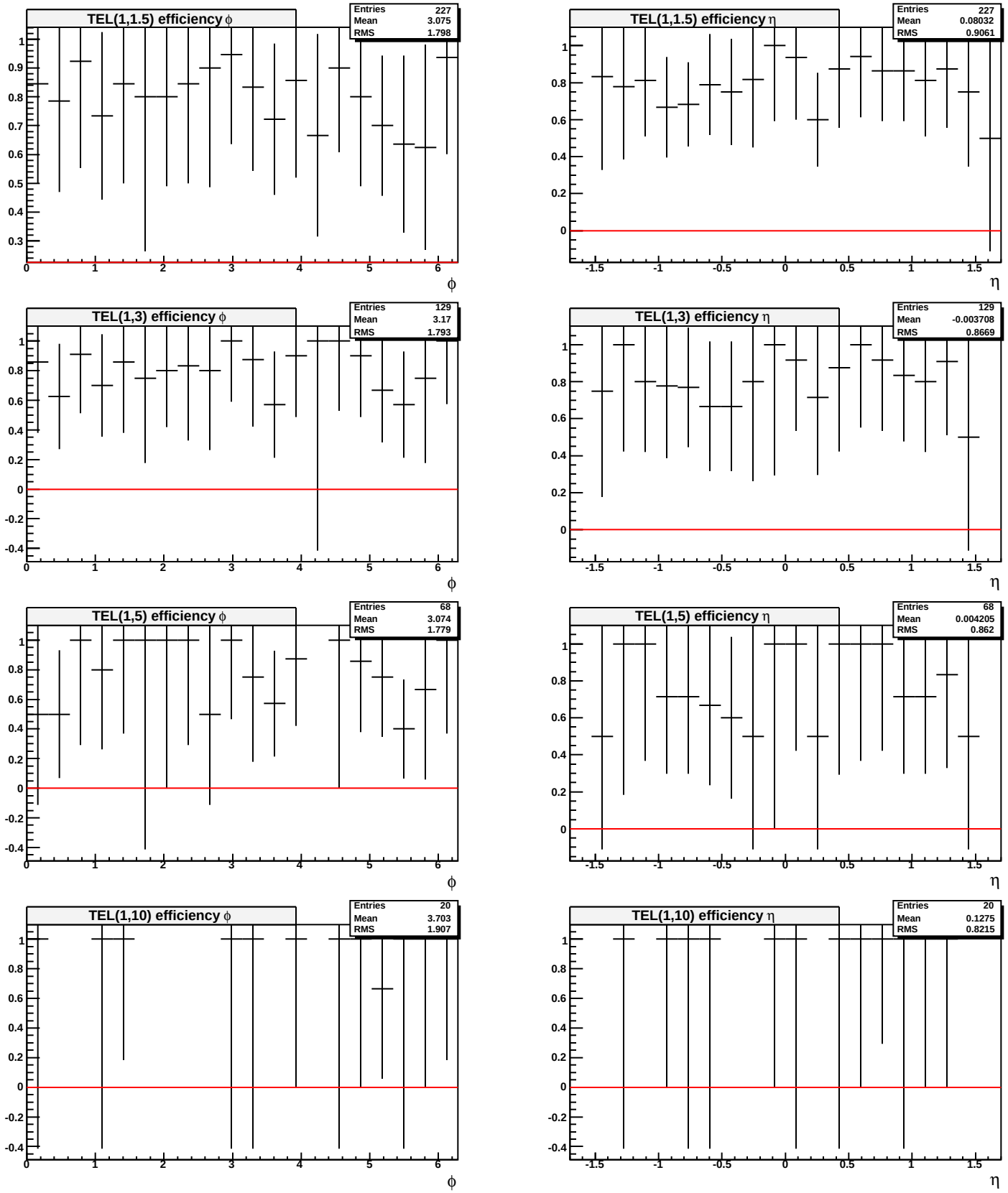




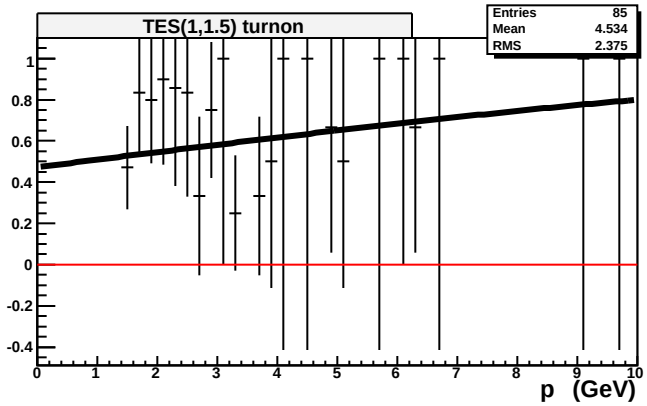


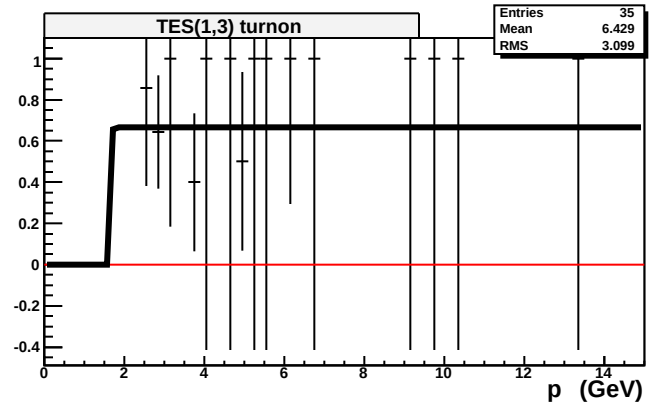


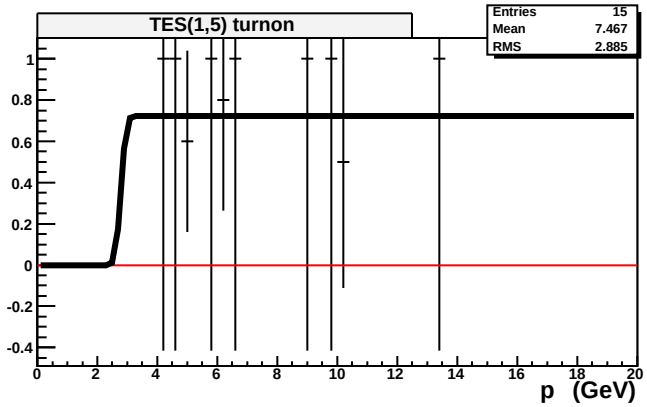
TEL (L1CTT All)

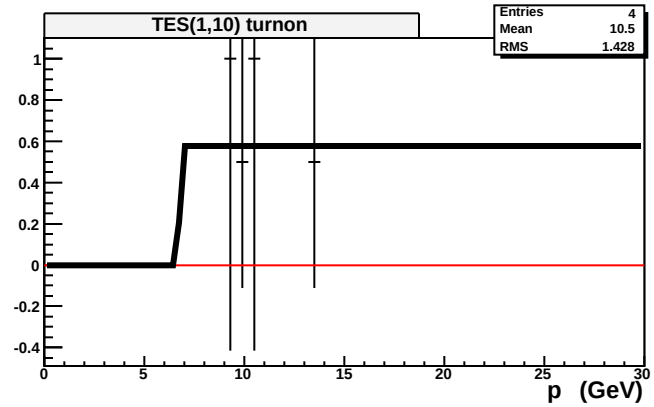


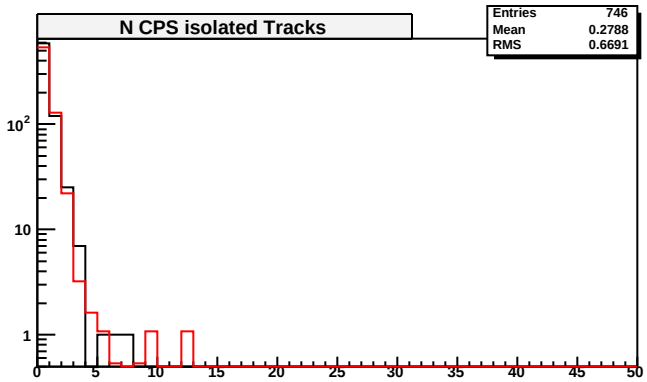
TEL phi/eta (L1CTT All)

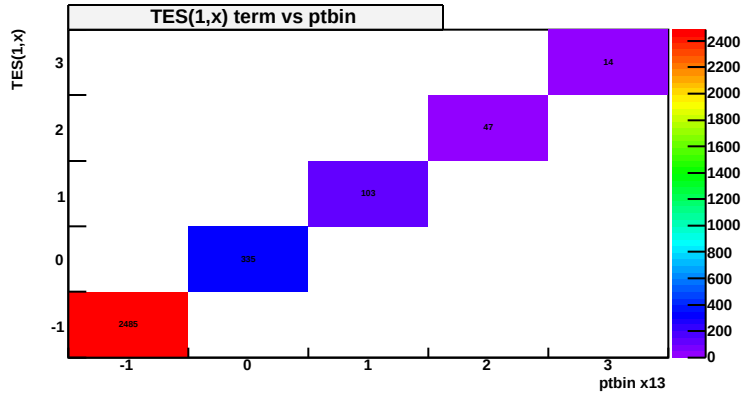


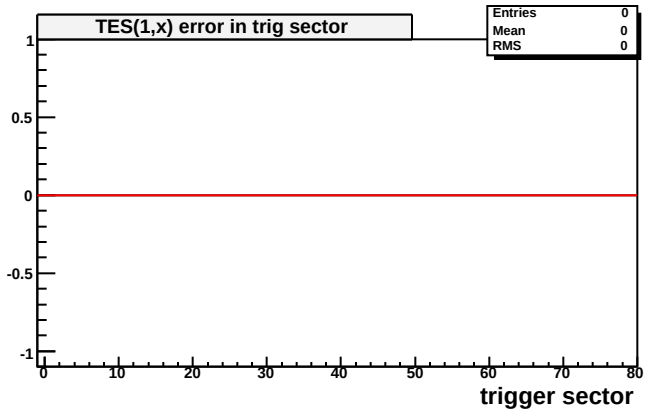


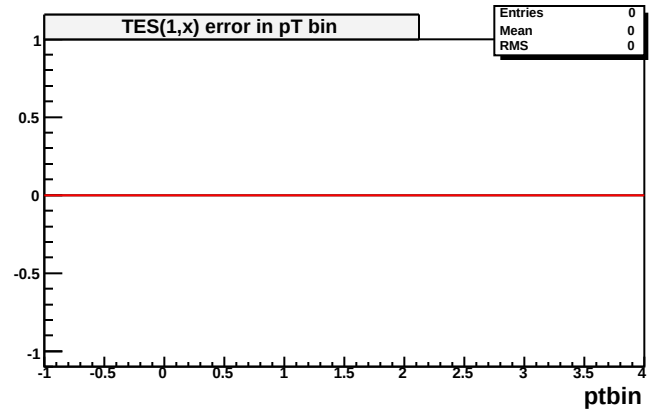




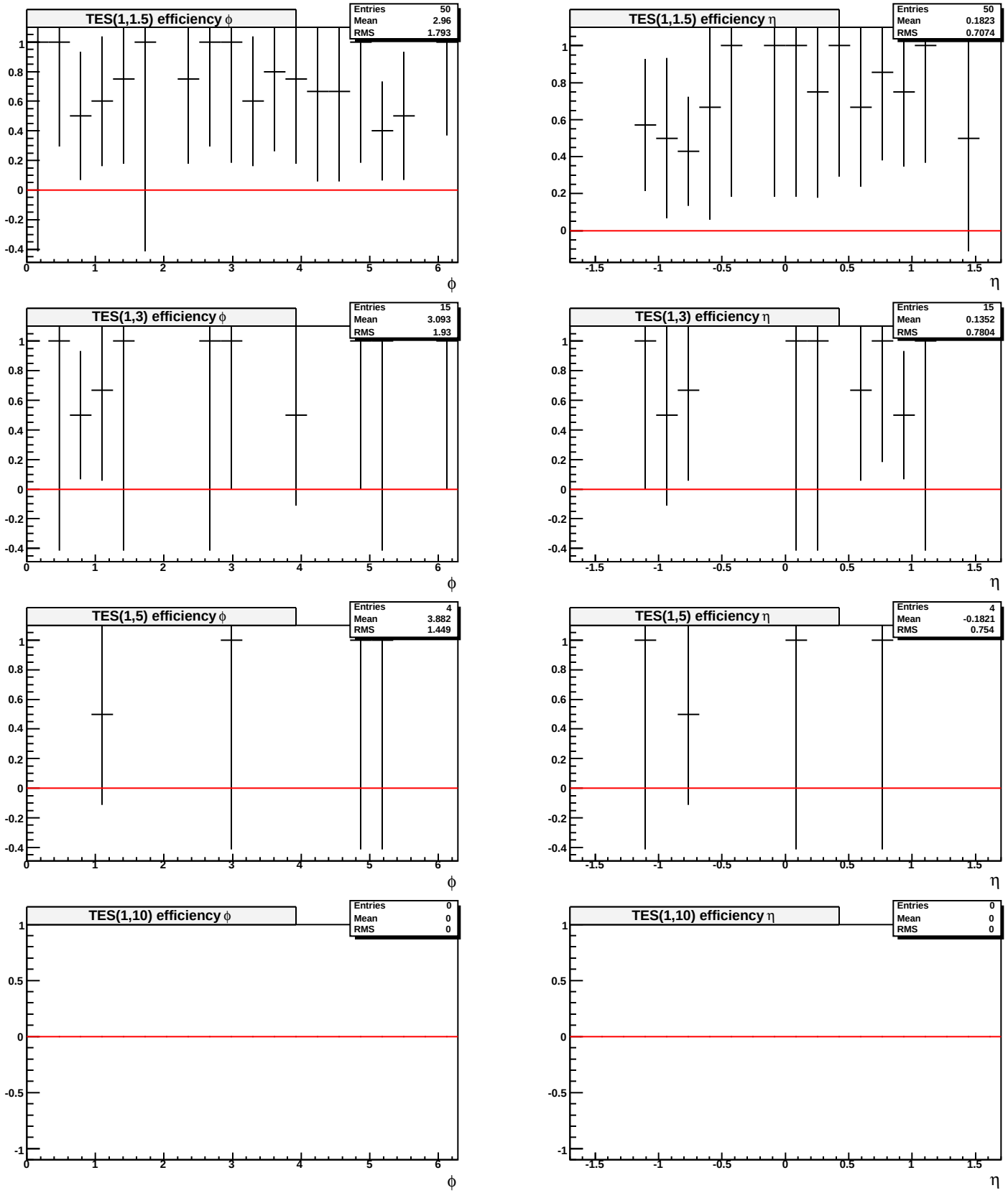




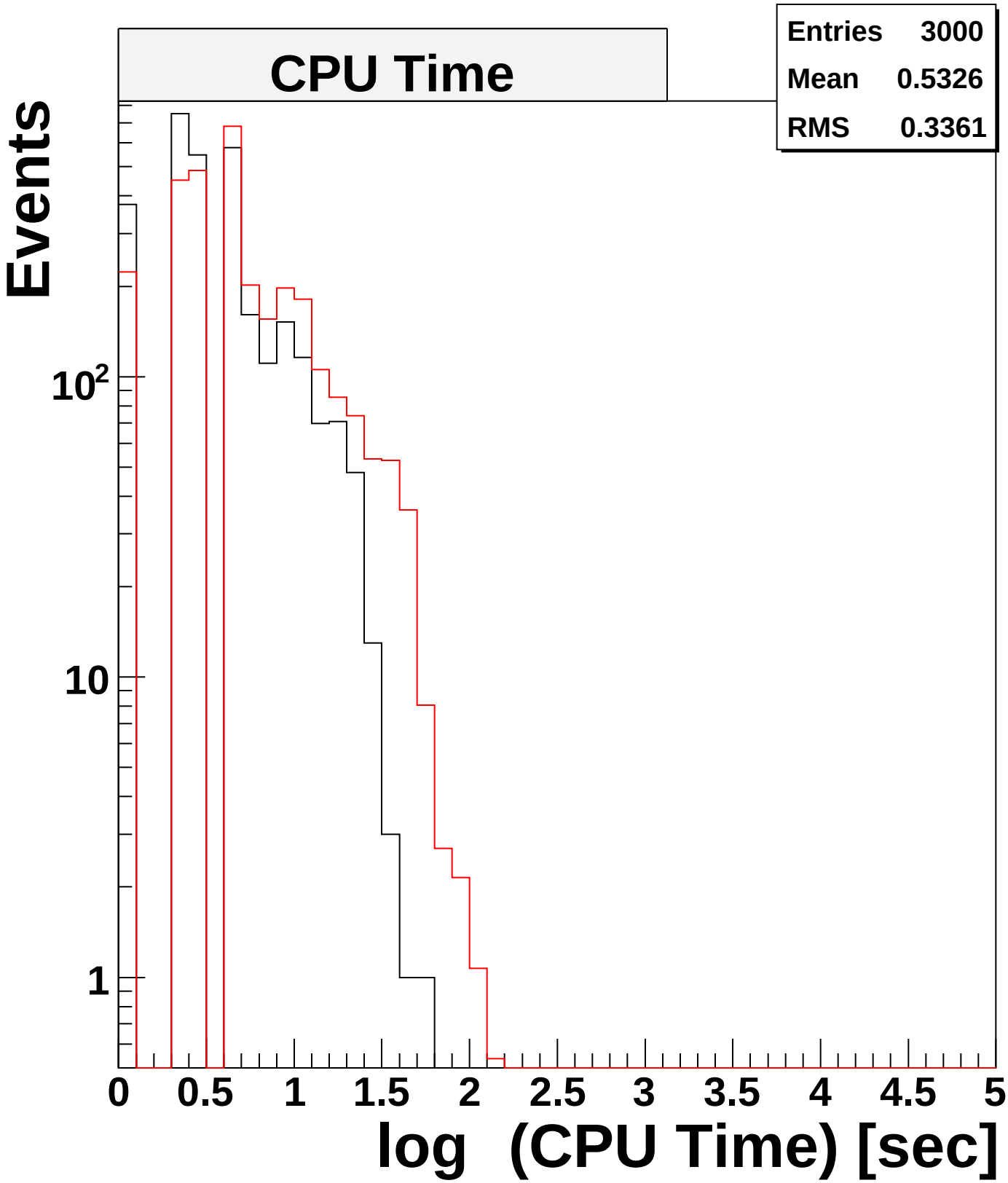




TES (L1CTT All)



TES phi/eta (L1CTT All)



RECO Performance (Timing)