p201101_r234062_011.root
p201101_r237403.root

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Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
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Page 81: L1CTT TEL Trigger Turn-on (All)
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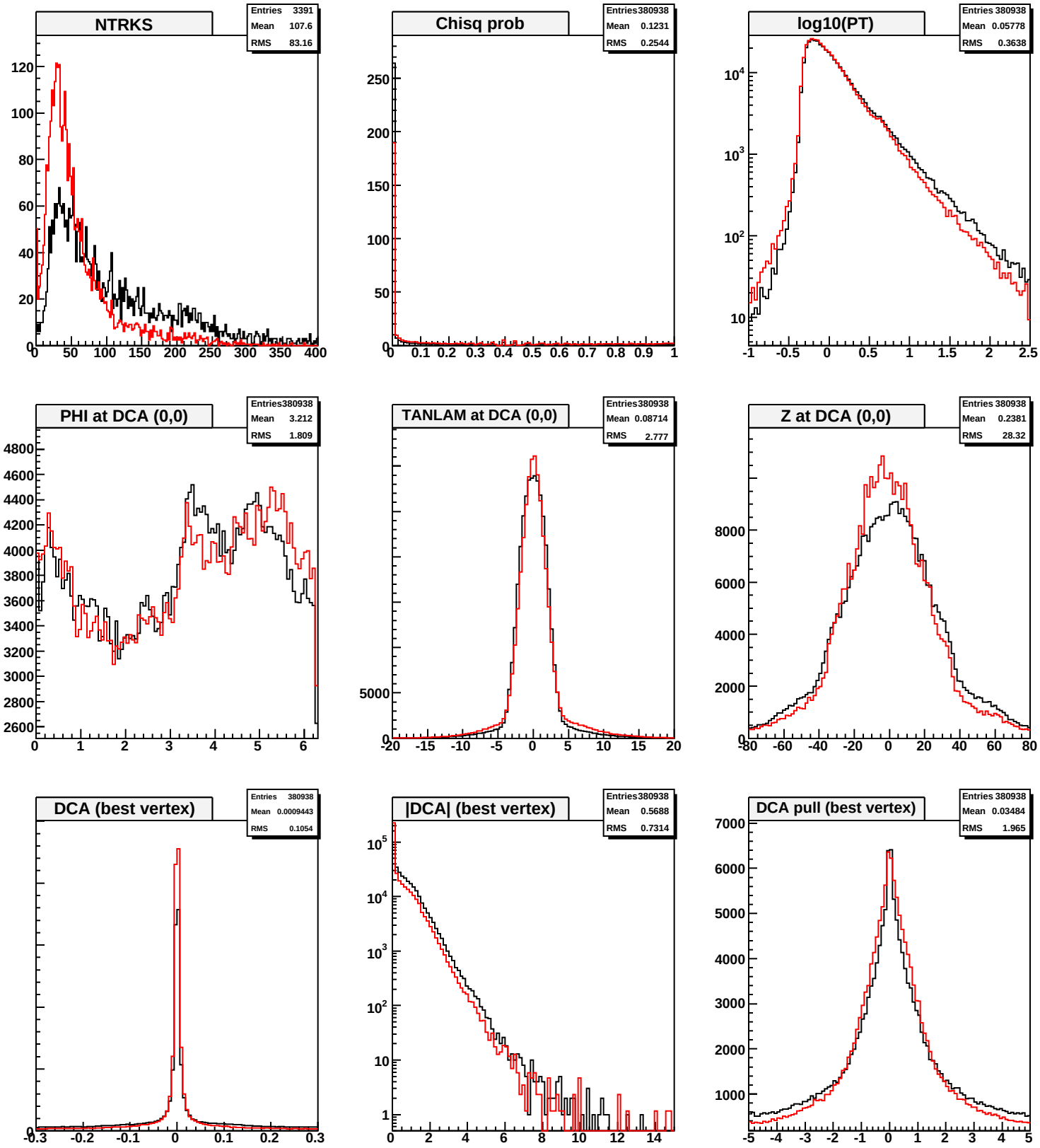
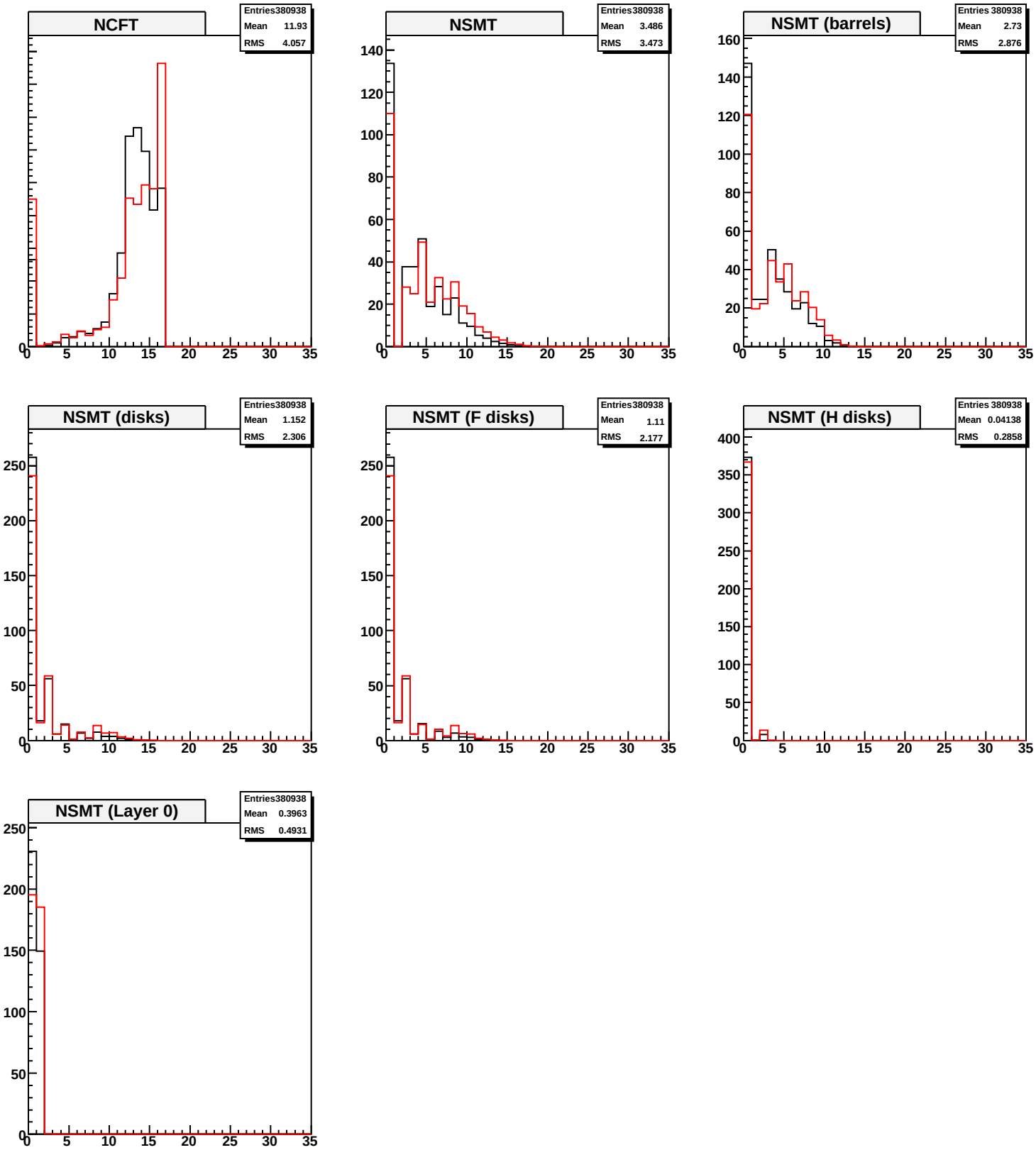
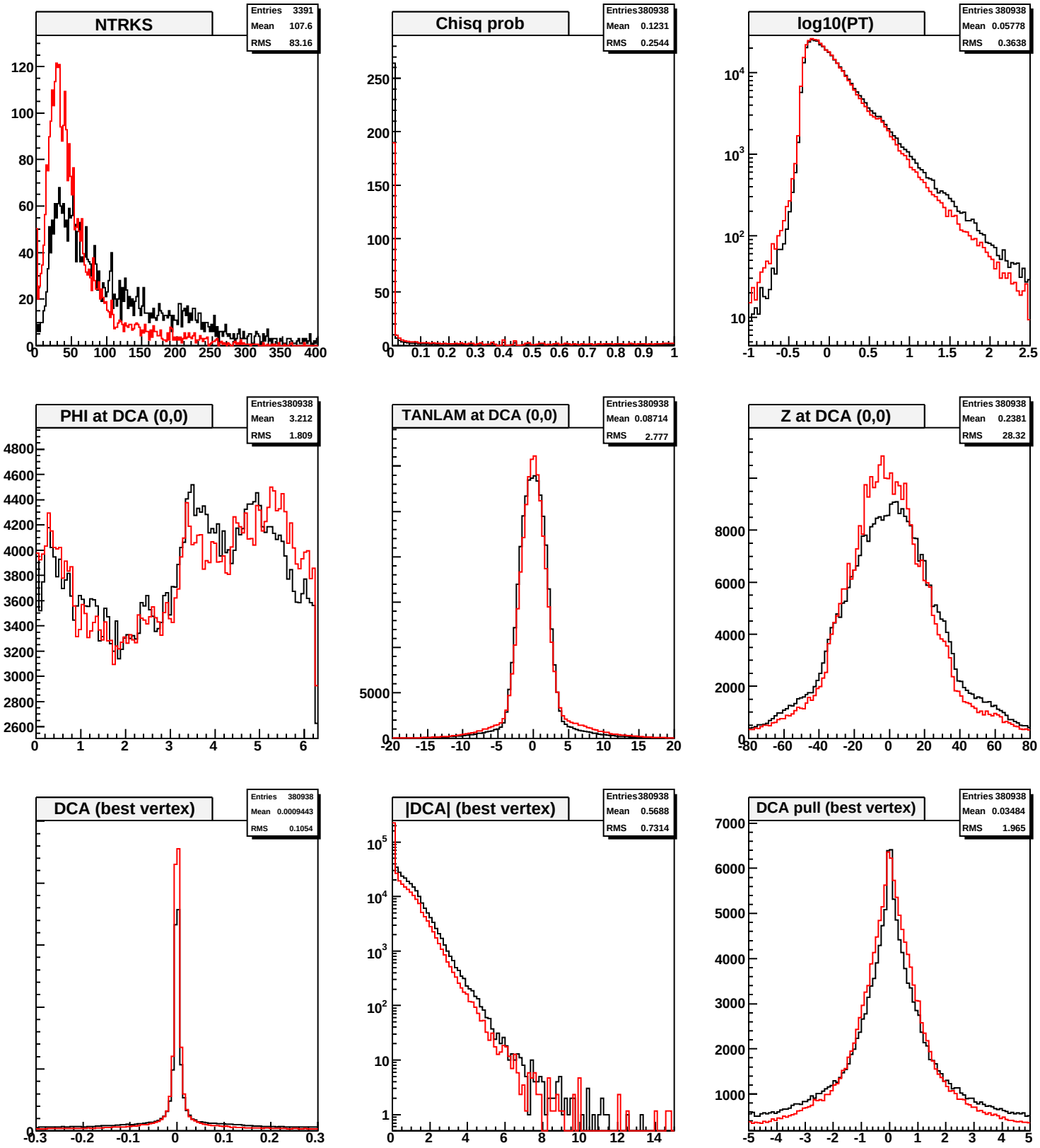
RecoCert_Plots (Index 2)


NTRKS
Entries 3391
Mean 107.6
RMS 83.16
Chisq prob
Entries 380938
Mean 0.1231
RMS 0.2544
log10(PT)
Entries 380938
Mean 0.05778
RMS 0.3638
PHI at DCA (0,0)
Entries 380938
Mean 3.212
RMS 1.809
TANLAM at DCA (0,0)
Entries 380938
Mean 0.08714
RMS 2.777
Z at DCA (0,0)
Entries 380938
Mean 0.2381
RMS 28.32
DCA (best vertex)
Entries 380938
Mean 0.0009443
RMS 0.1054
|DCA| (best vertex)
Entries 380938
Mean 0.5688
RMS 0.7314
DCA pull (best vertex)
Entries 380938
Mean 0.03484
RMS 1.965

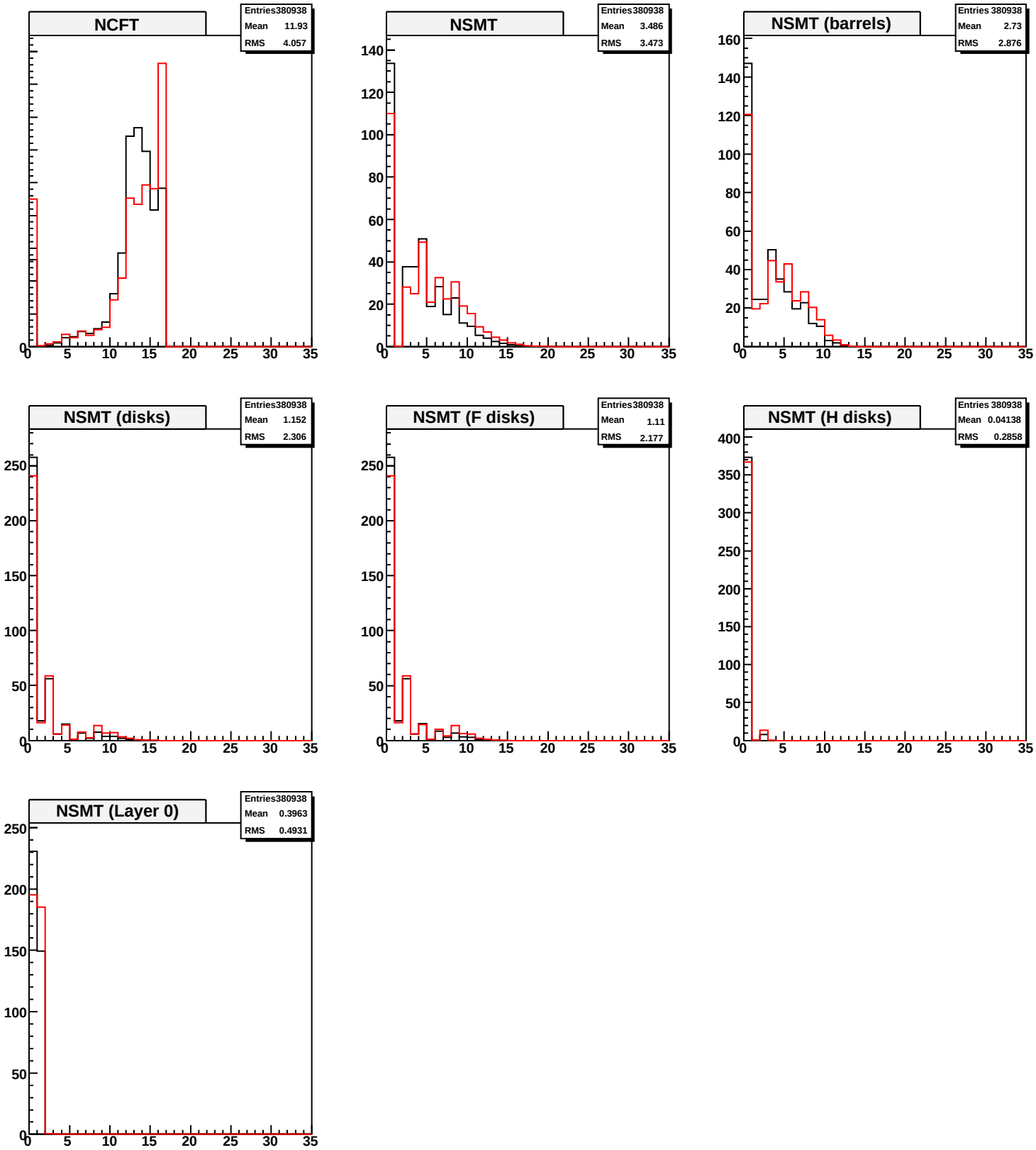
Tracks (All)



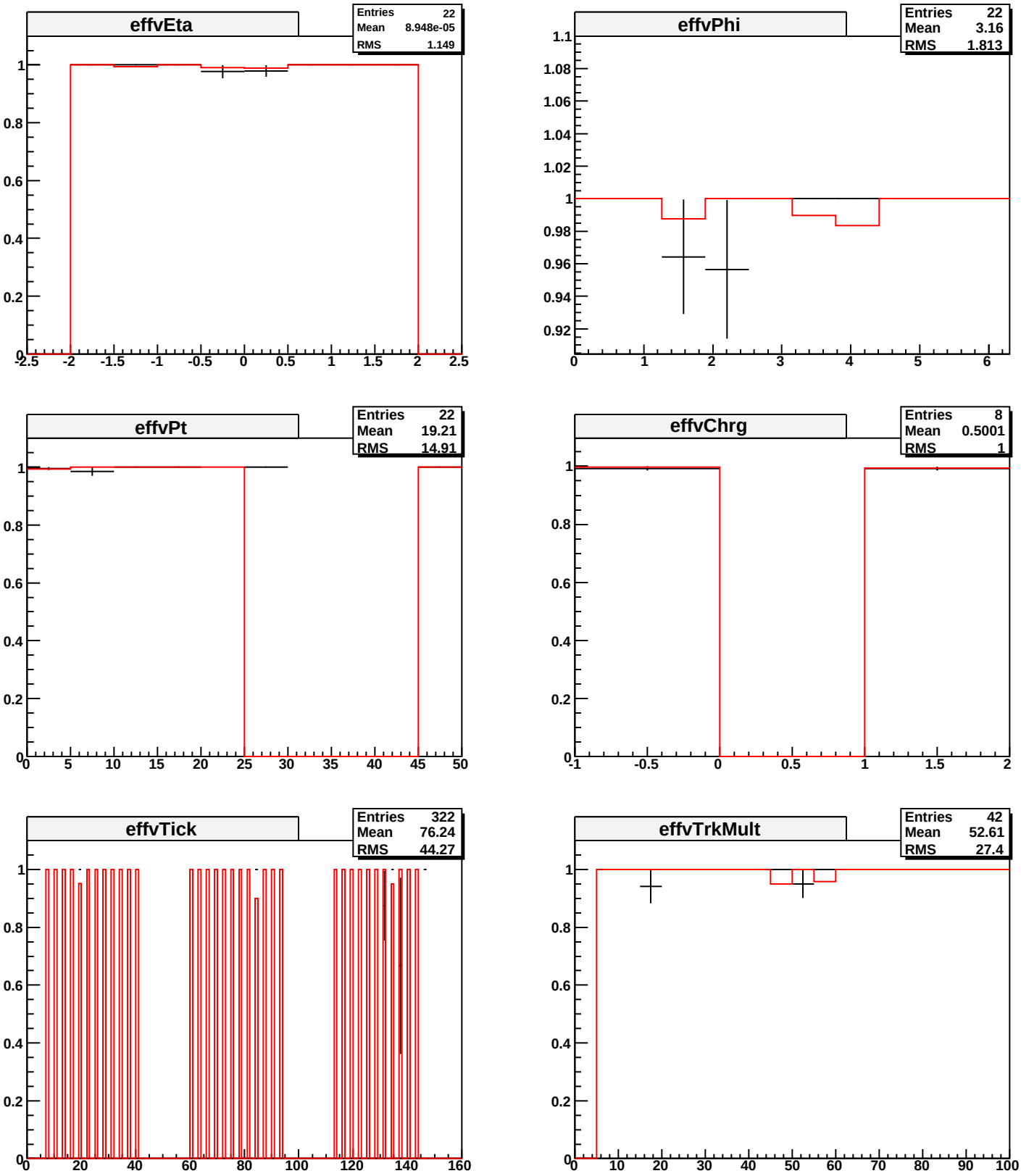
Track Hits (All)



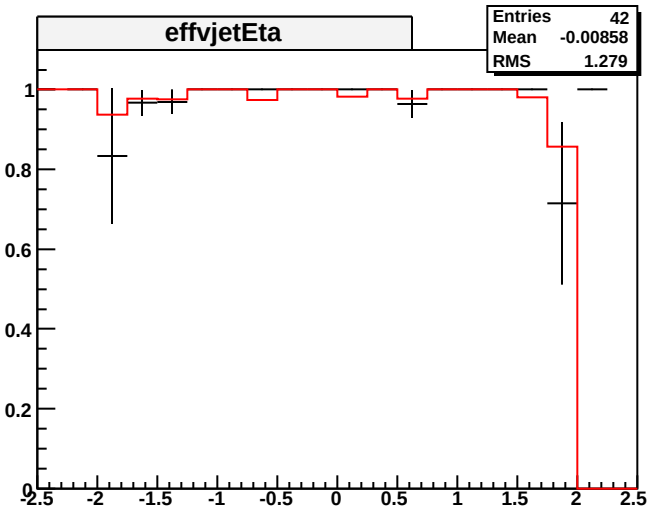
Tracks (Tight)

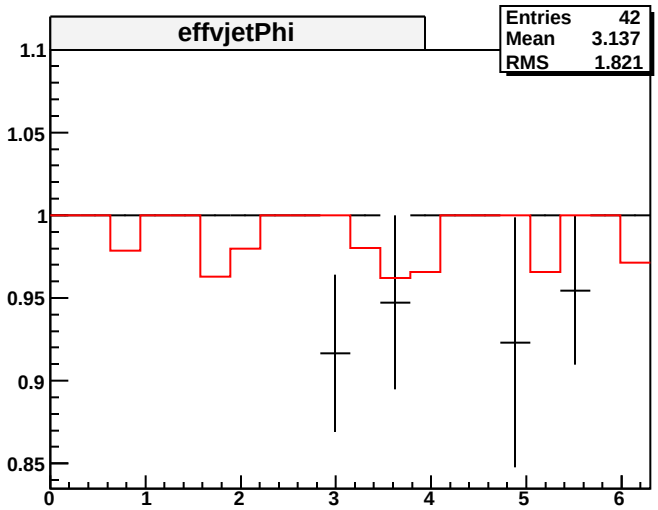


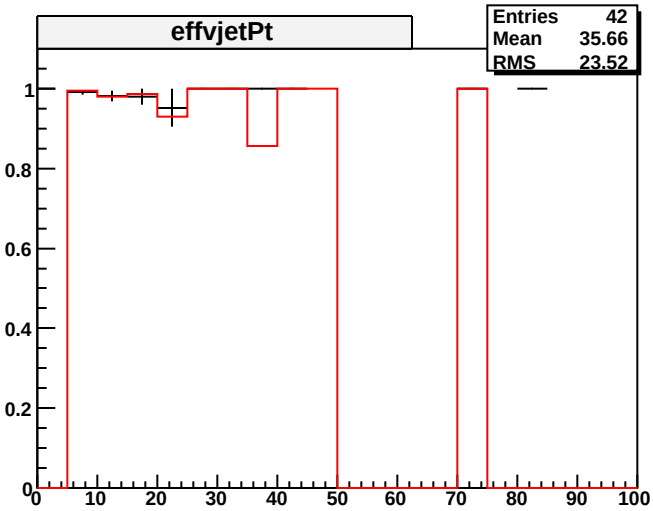
Track Hits (Tight)



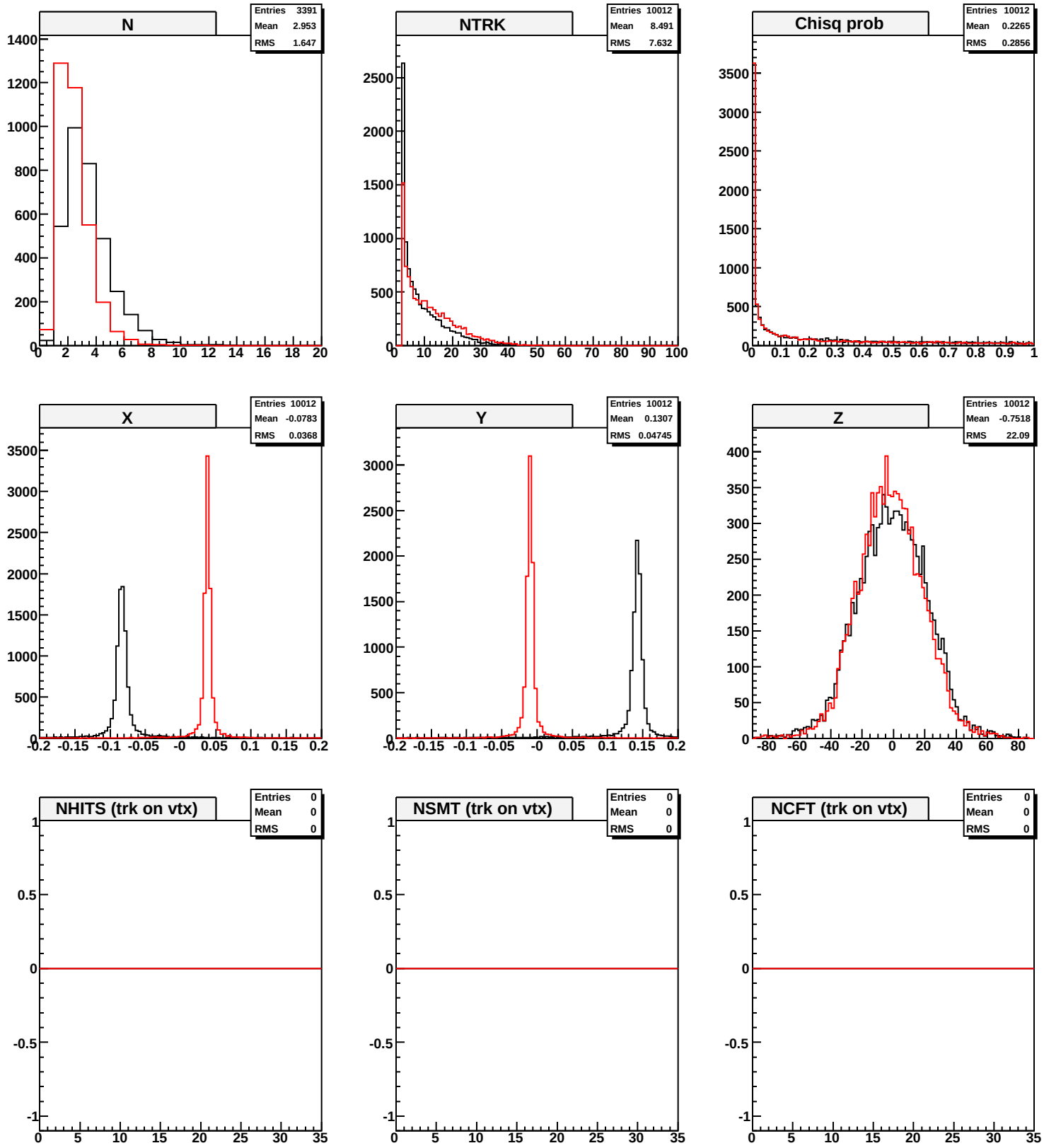
Tracking (Efficiency-Isolated)



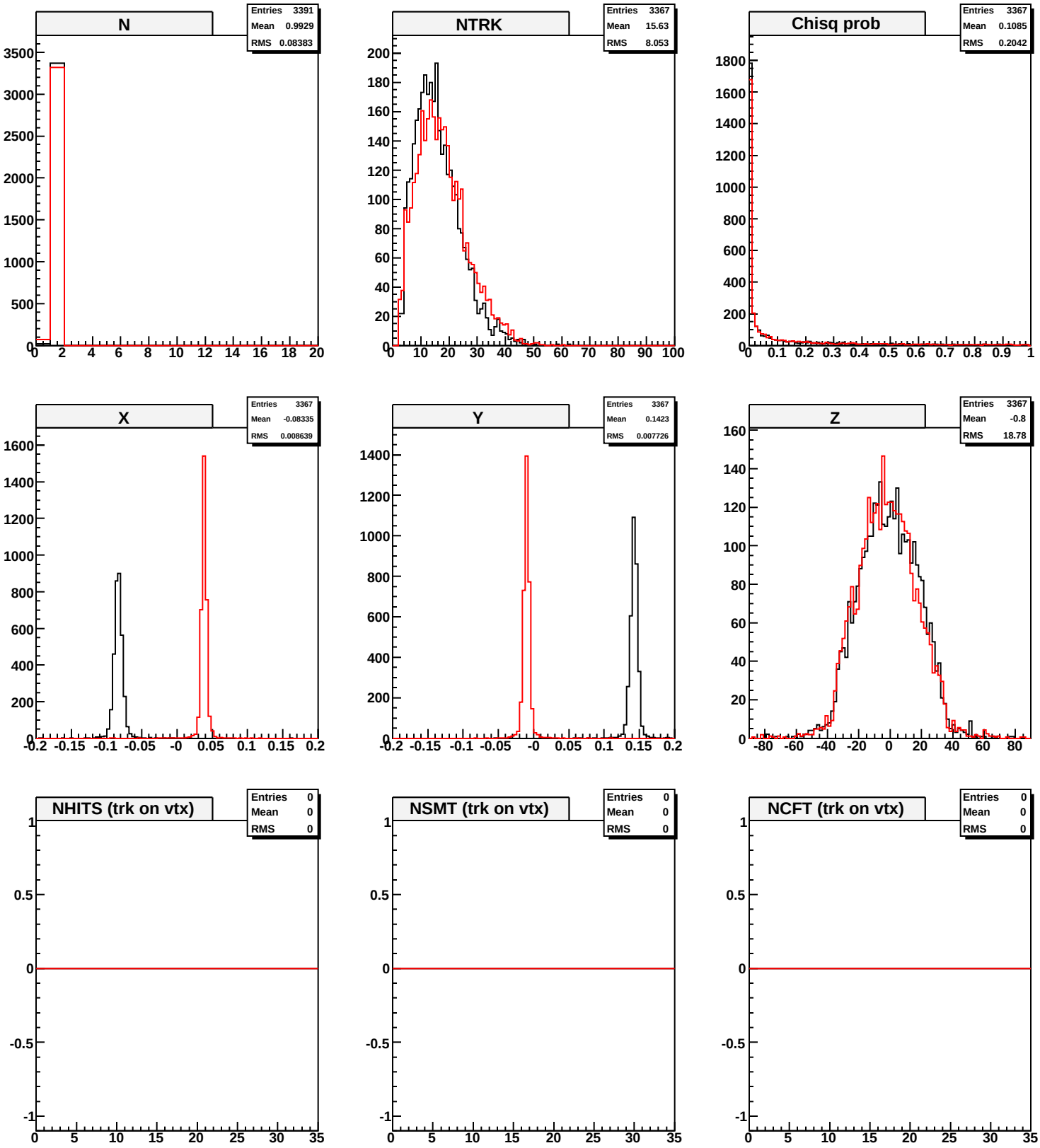




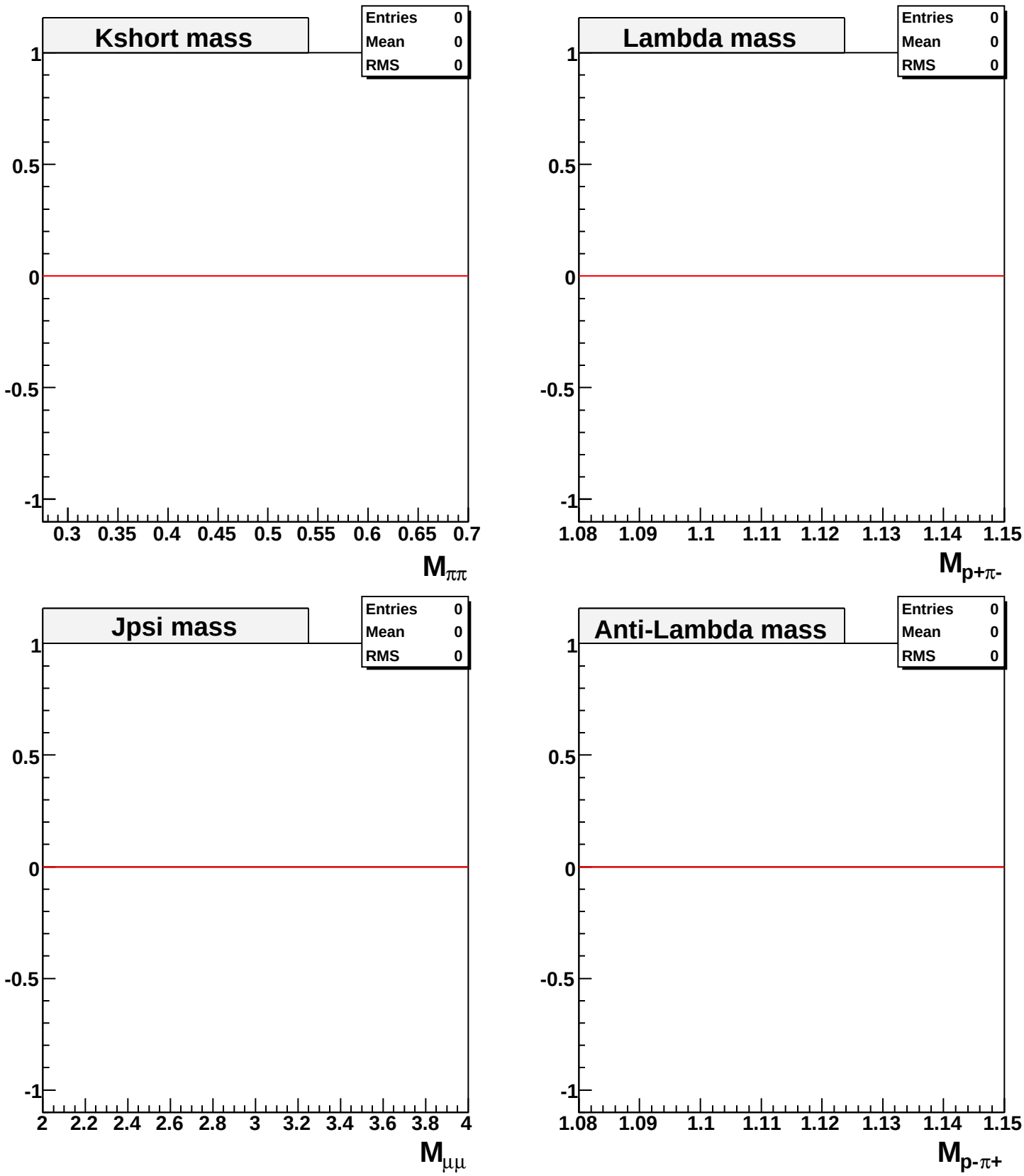
Tracking (Efficiency-InJets)



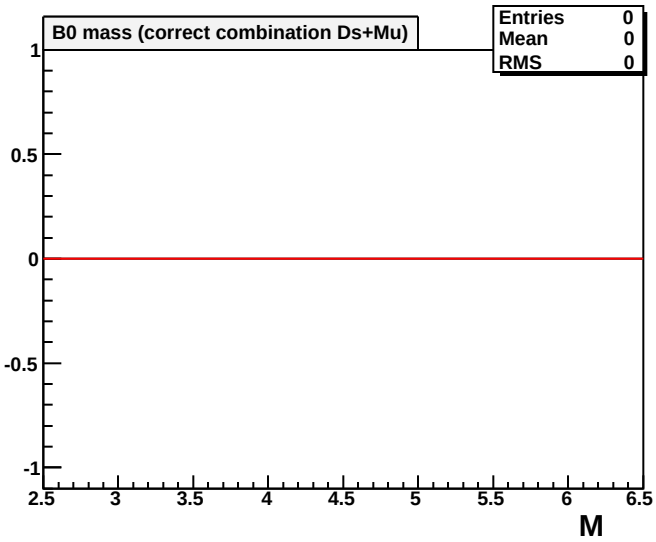
Vertices (Primary - all candidates)

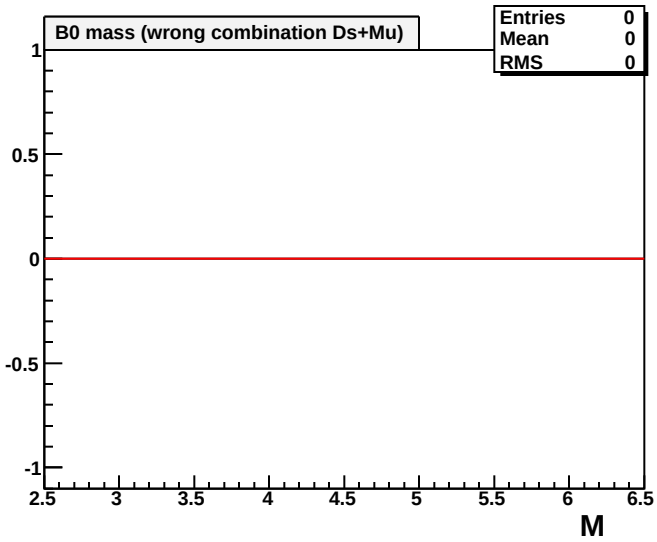


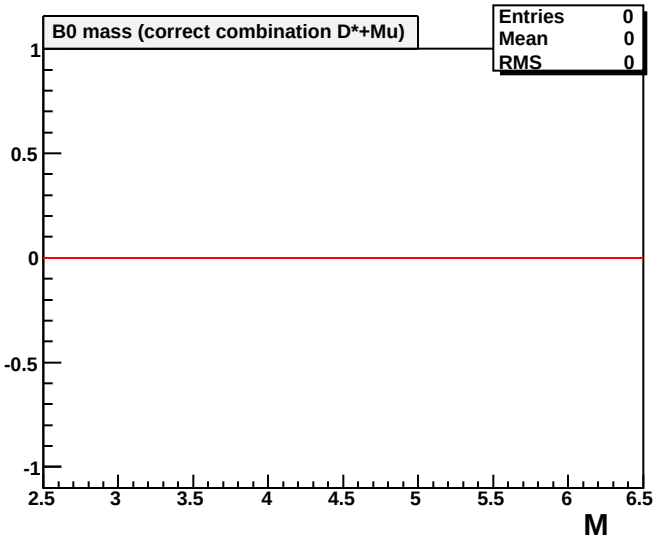
Vertices (Primary - best)

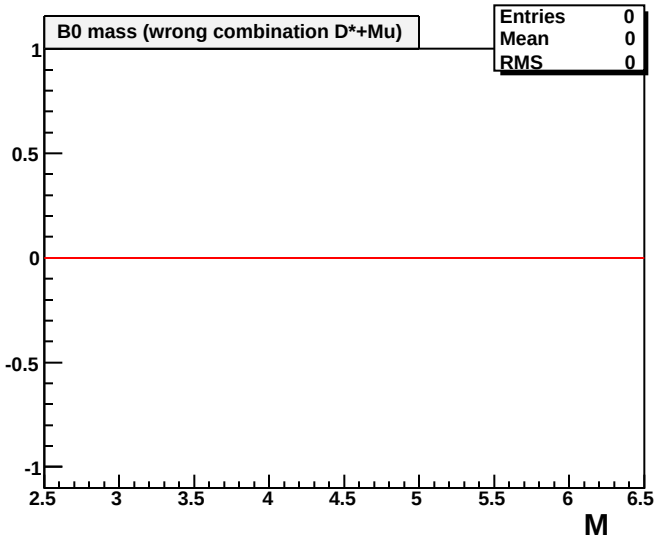

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$
Lambda mass
Entries 0
Mean 0
RMS 0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$
Jpsi mass
Entries 0
Mean 0
RMS 0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$
Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

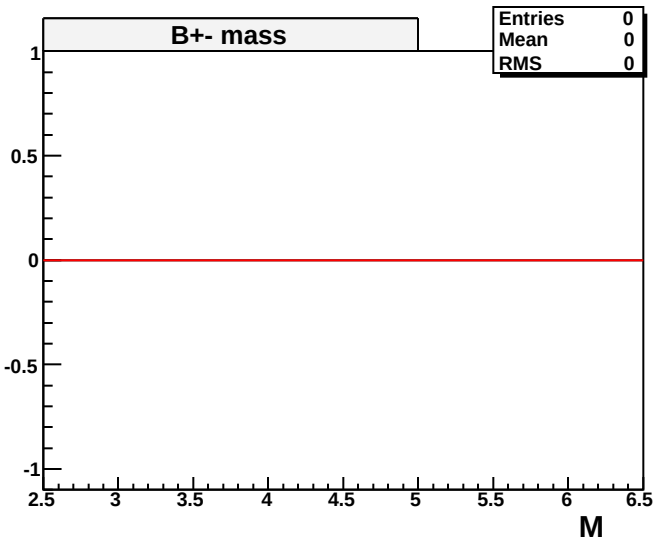
V0 (All)



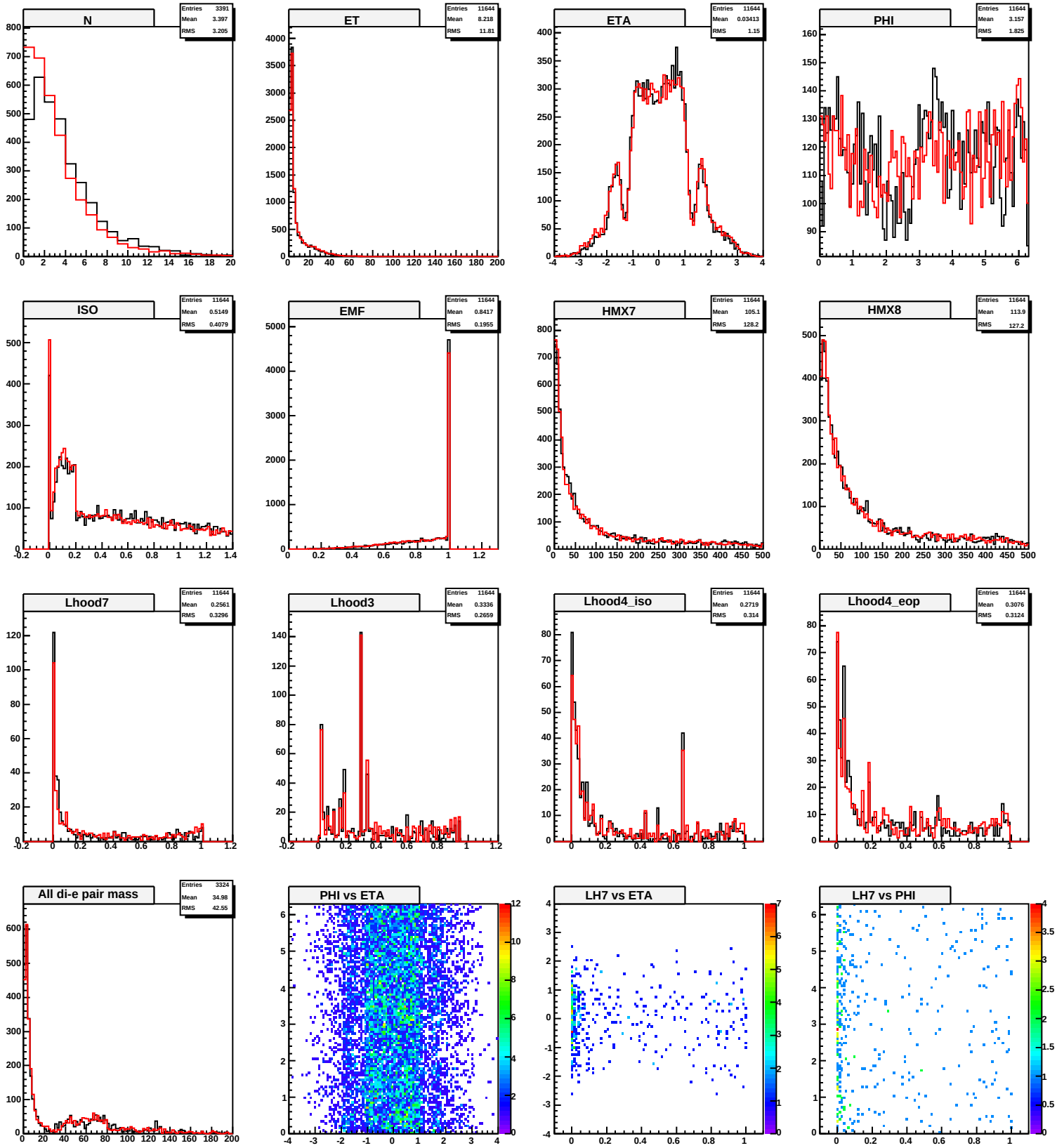




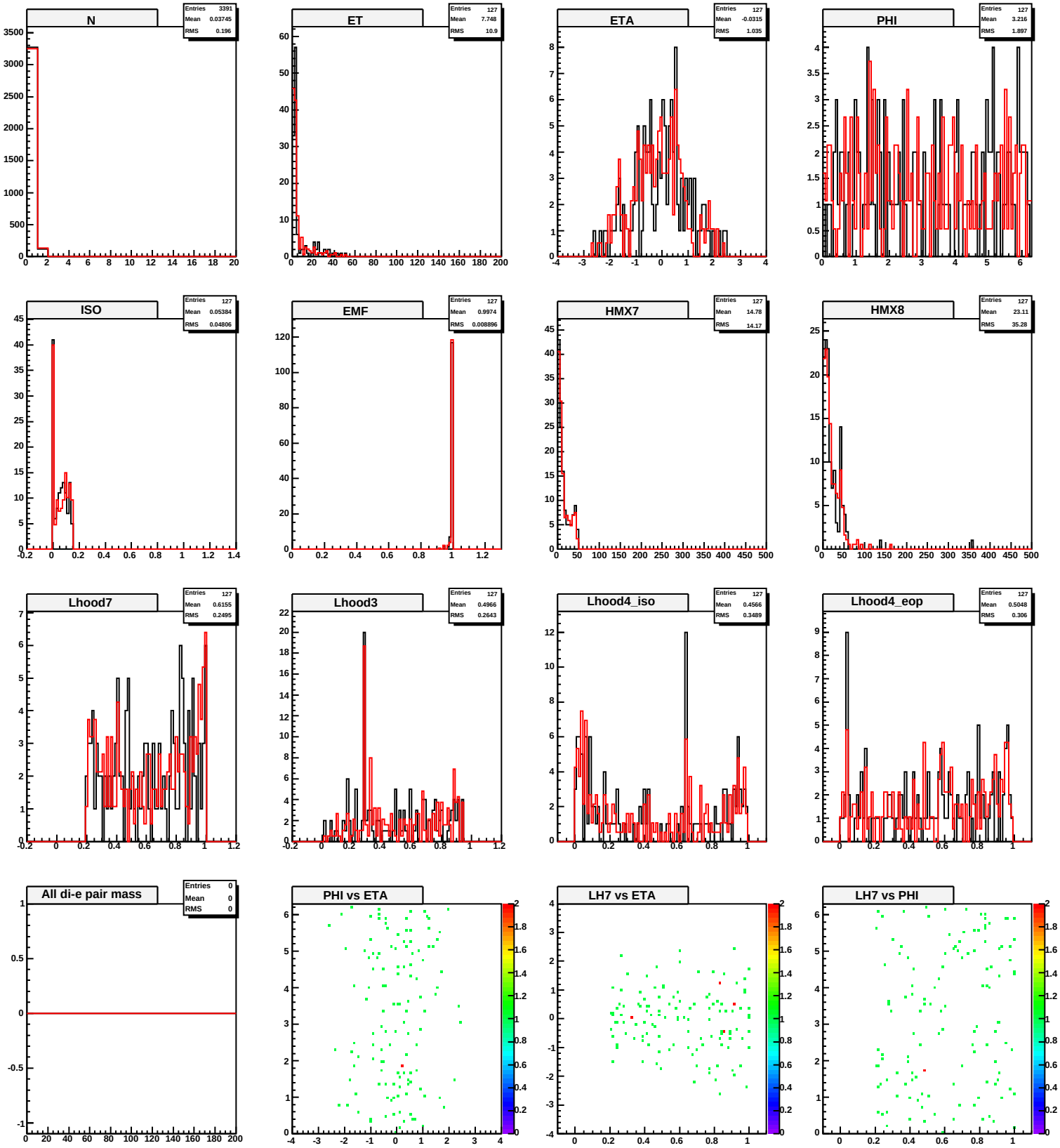




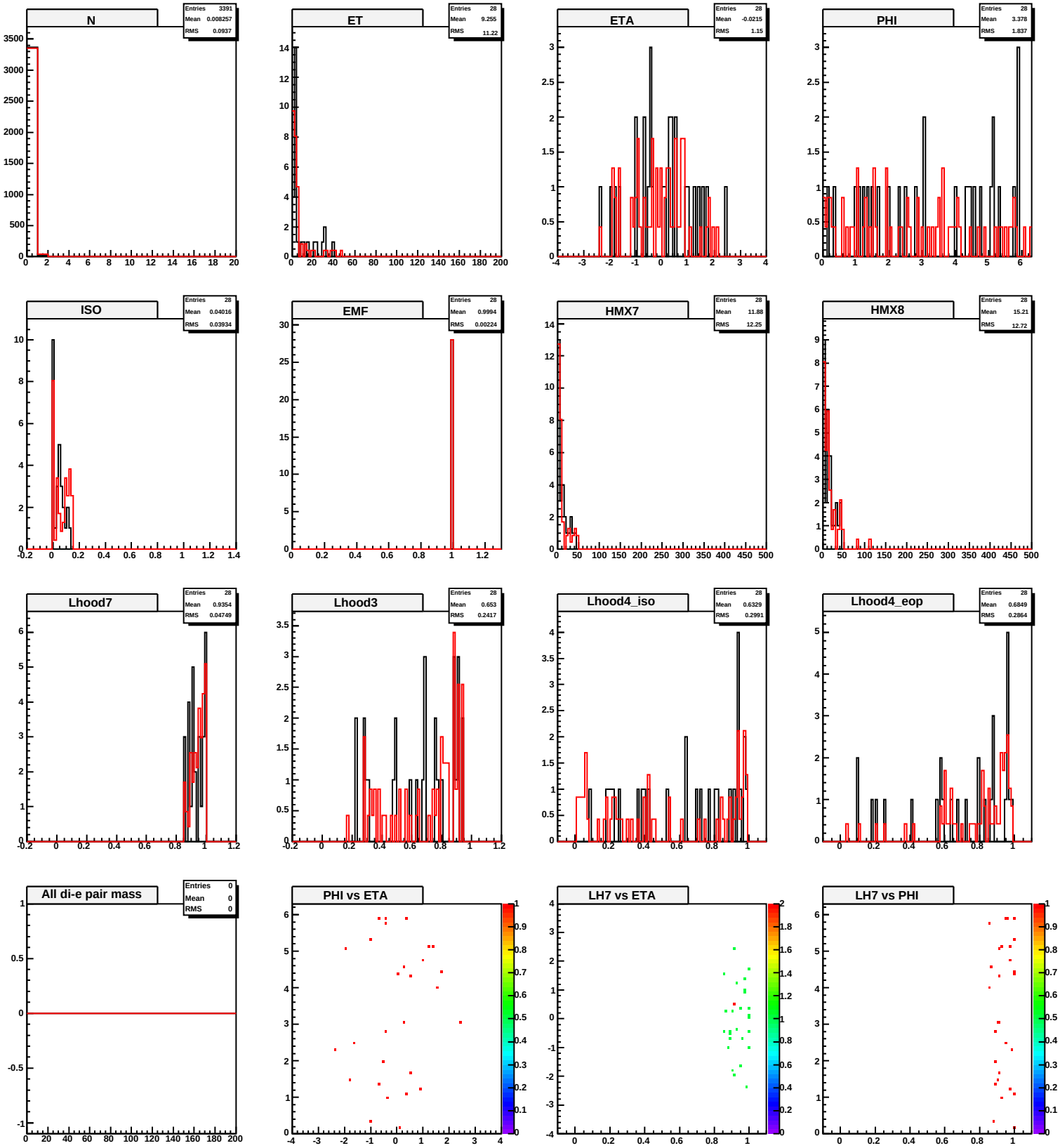
V0(B mesons) (All)



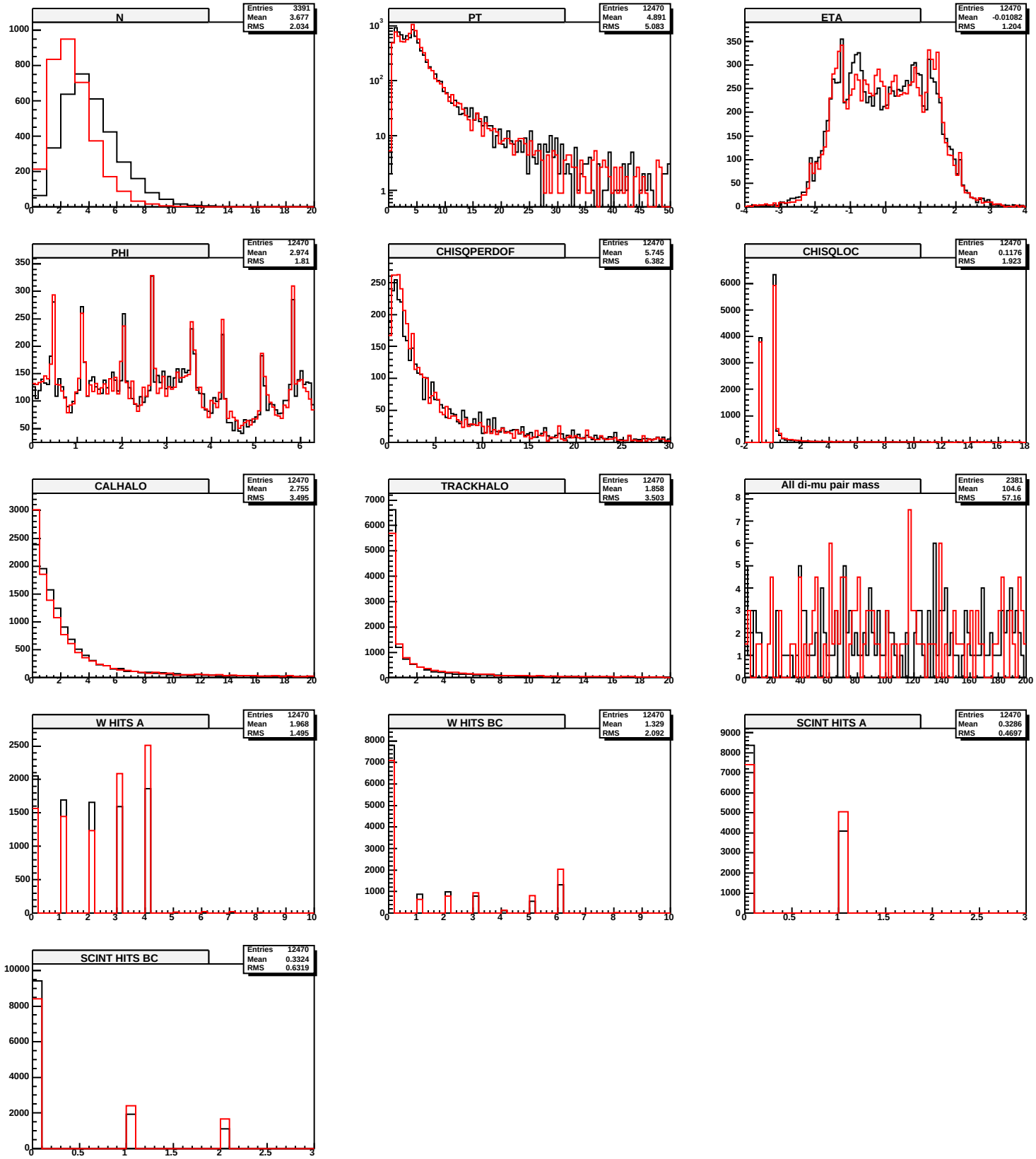
Electrons (SCONE All)



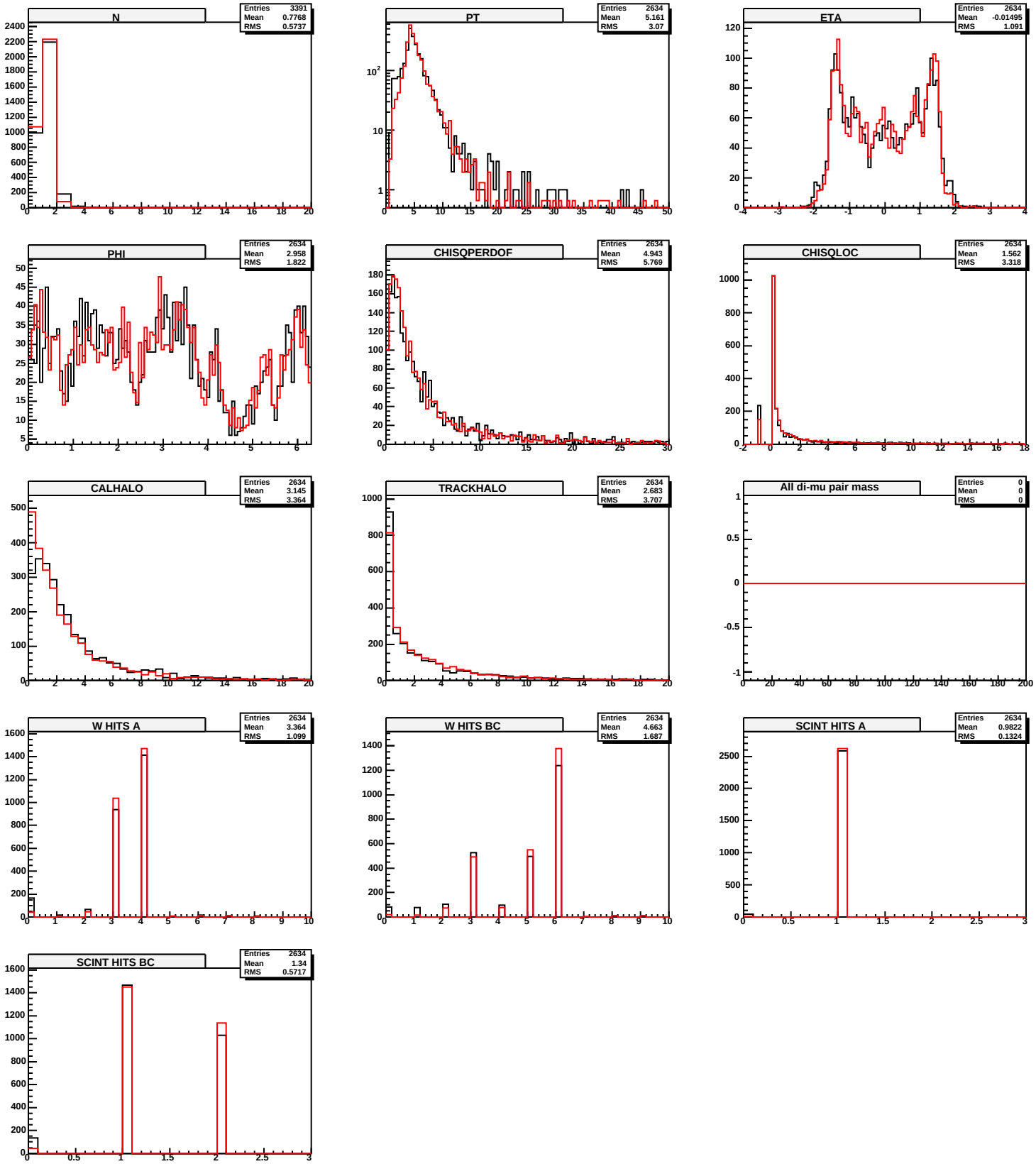
Electrons (SCONE Loose)



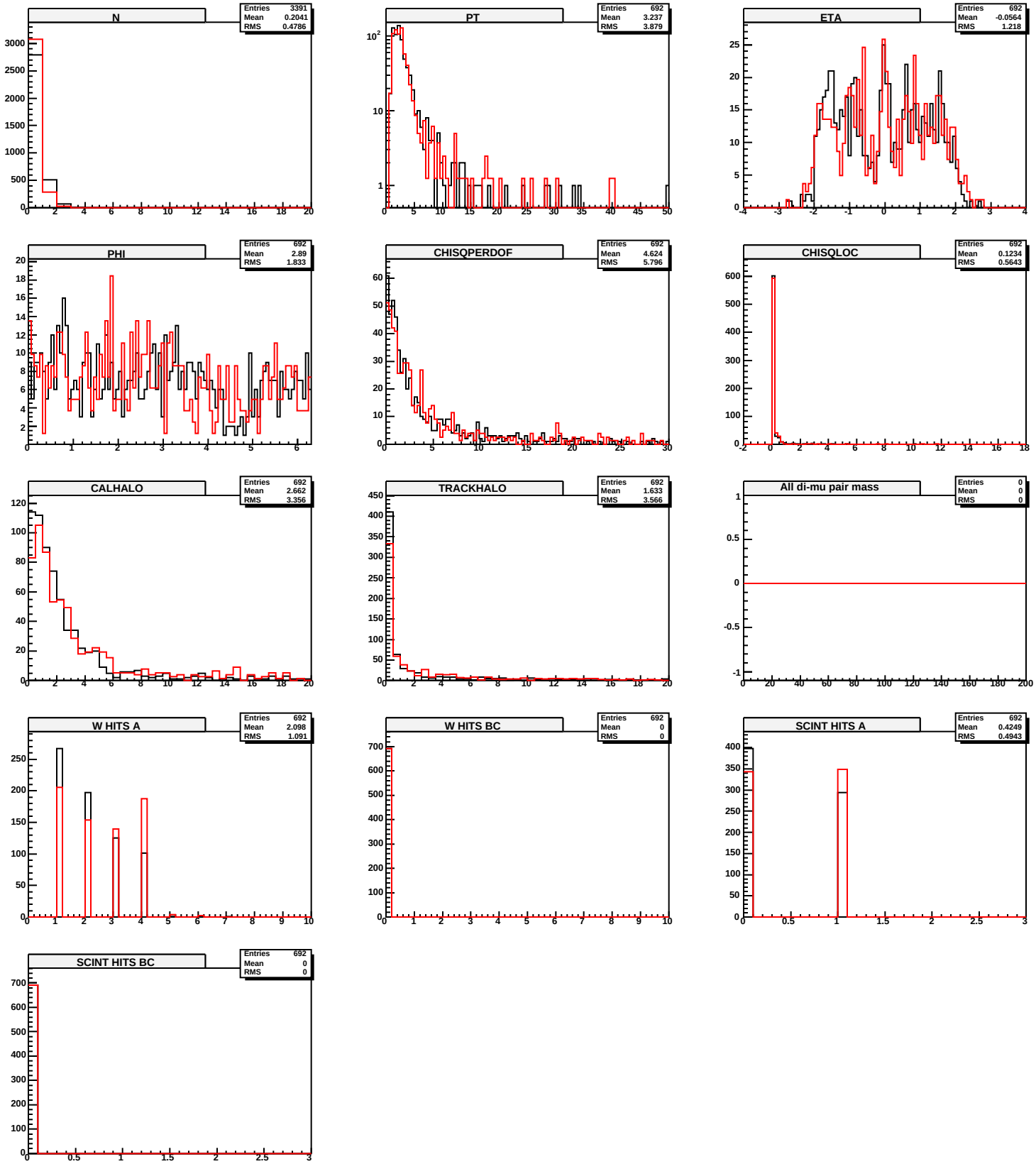
Electrons (SCONE Tight)


N
Entries 3391
Mean 3.677
RMS 2.034
PT
Entries 12470
Mean 4.891
RMS 5.083
ETA
Entries 12470
Mean -0.01082
RMS 1.204
PHI
Entries 12470
Mean 2.974
RMS 1.81
CHISQPERDOF
Entries 12470
Mean 5.745
RMS 6.382
CHISQLOC
Entries 12470
Mean 0.1176
RMS 1.923
CALHALO
Entries 12470
Mean 2.755
RMS 3.495
TRACKHALO
Entries 12470
Mean 1.858
RMS 3.503
All di-mu pair mass
Entries 2381
Mean 104.6
RMS 57.16
W HITS A
Entries 12470
Mean 1.968
RMS 1.495
W HITS BC
Entries 12470
Mean 1.329
RMS 2.092
SCINT HITS A
Entries 12470
Mean 0.3286
RMS 0.4697
SCINT HITS BC
Entries 12470
Mean 0.3324
RMS 0.6319

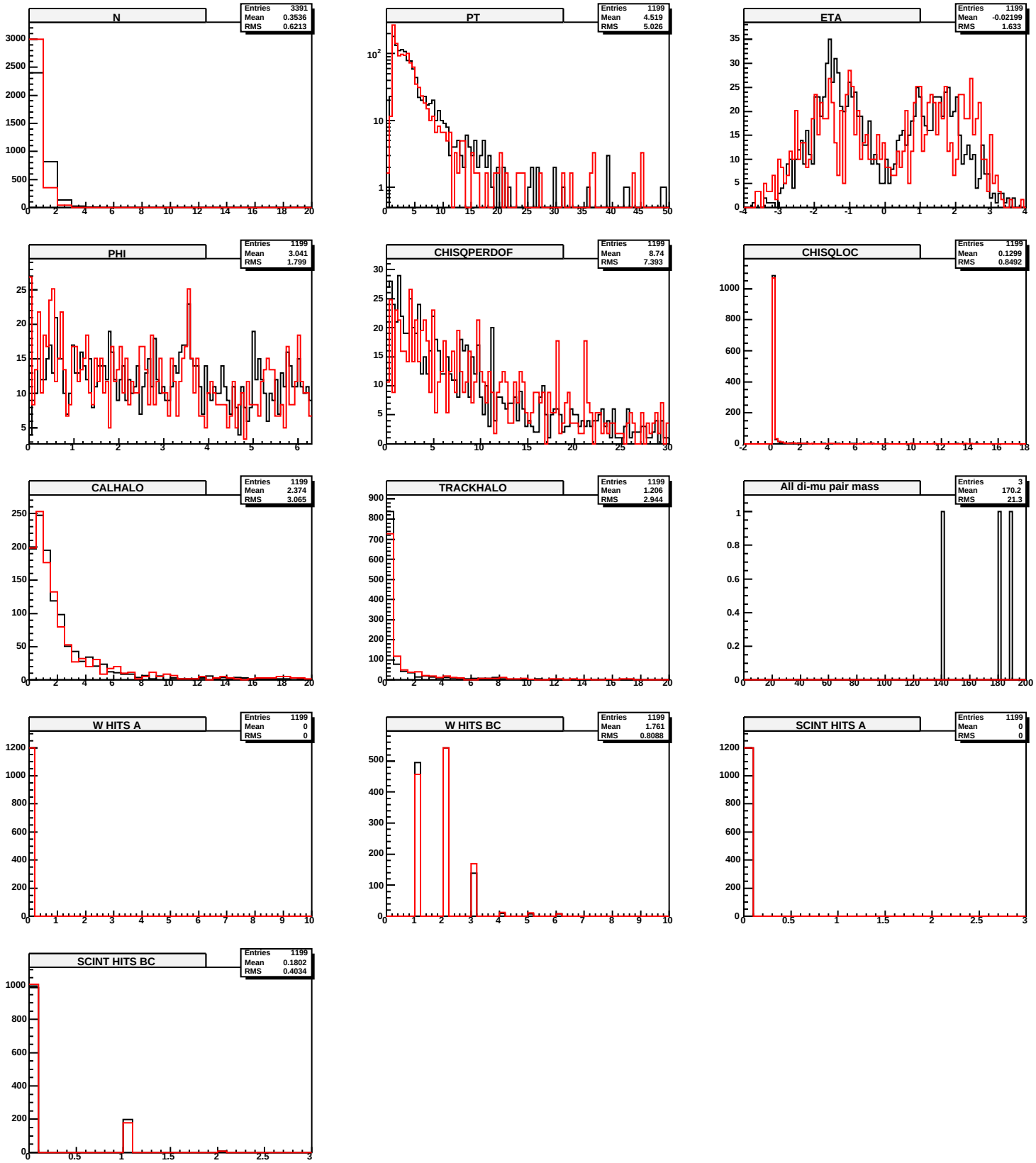
Muons (All)



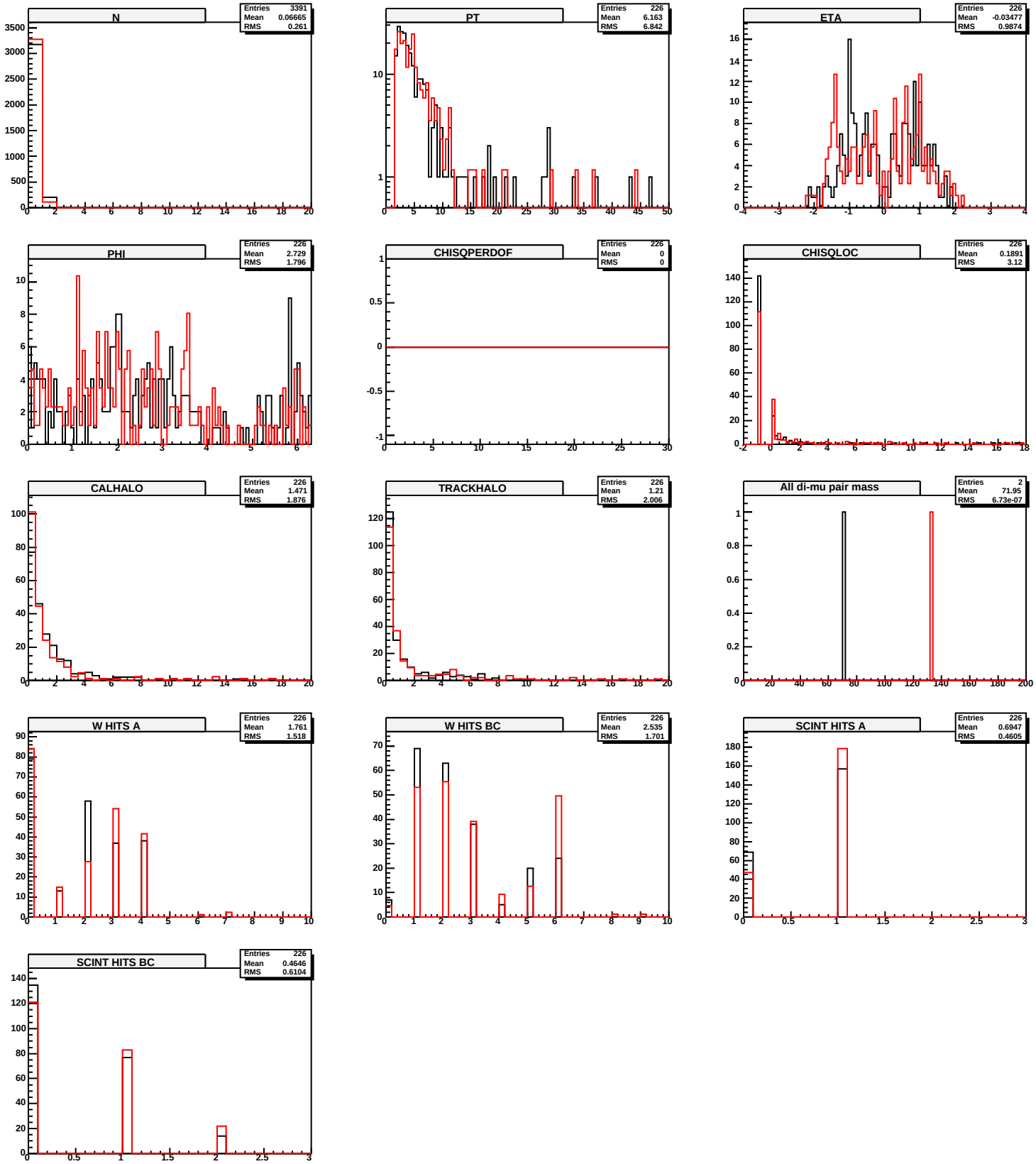
Muons (Matched)


N
Entries 3391
Mean 0.2041
RMS 0.4786
PT
Entries 692
Mean 3.237
RMS 3.879
ETA
Entries 692
Mean -0.0564
RMS 1.218
PHI
Entries 692
Mean 2.89
RMS 1.833
CHISQPERDOF
Entries 692
Mean 4.624
RMS 5.796
CHISQLOC
Entries 692
Mean 0.1234
RMS 0.5643
CALHALO
Entries 692
Mean 2.662
RMS 3.356
TRACKHALO
Entries 692
Mean 1.633
RMS 3.566
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 692
Mean 2.098
RMS 1.091
W HITS BC
Entries 692
Mean 0
RMS 0
SCINT HITS A
Entries 692
Mean 0.4249
RMS 0.4943
SCINT HITS BC
Entries 692
Mean 0
RMS 0

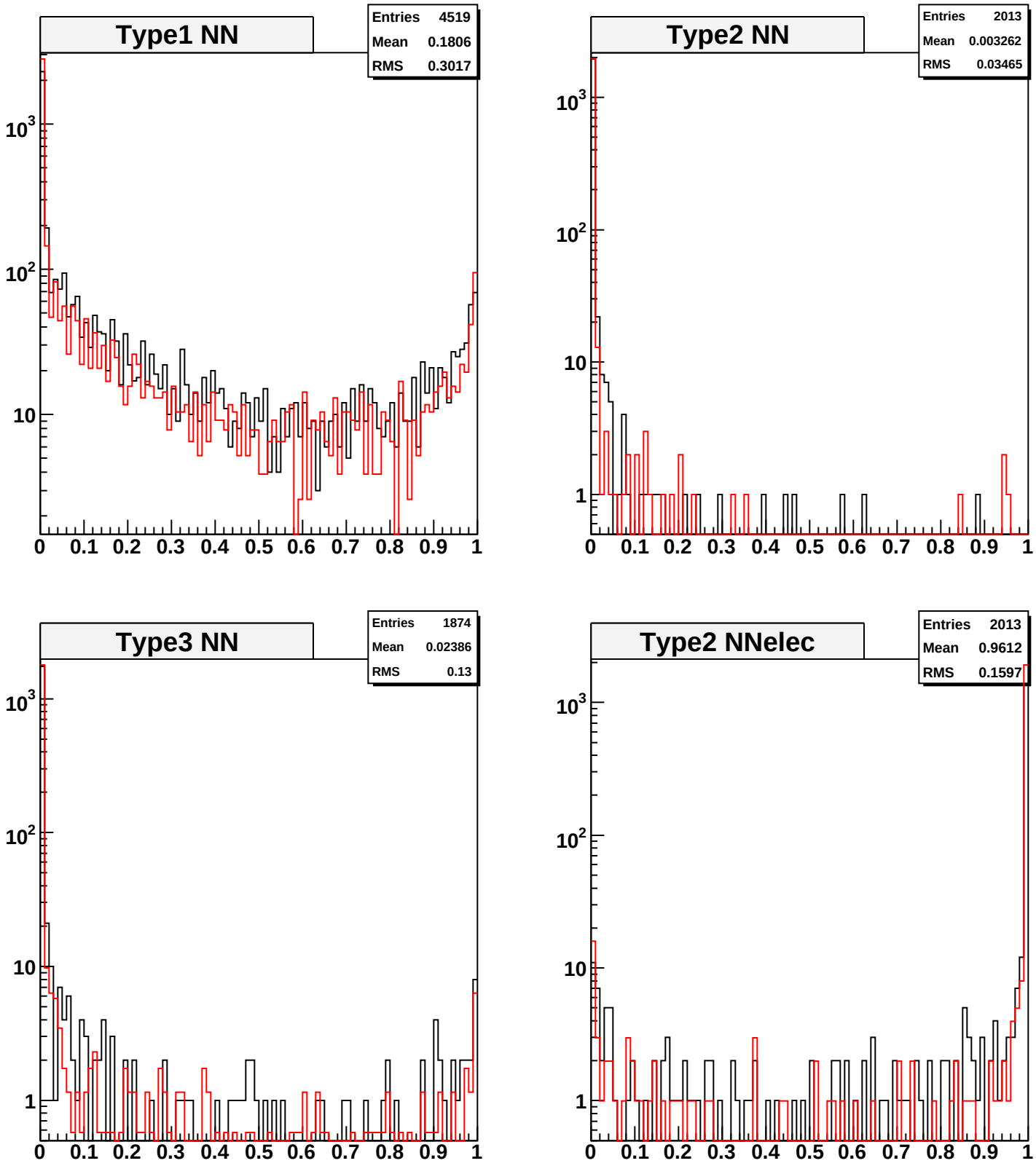
Muons (Astub)



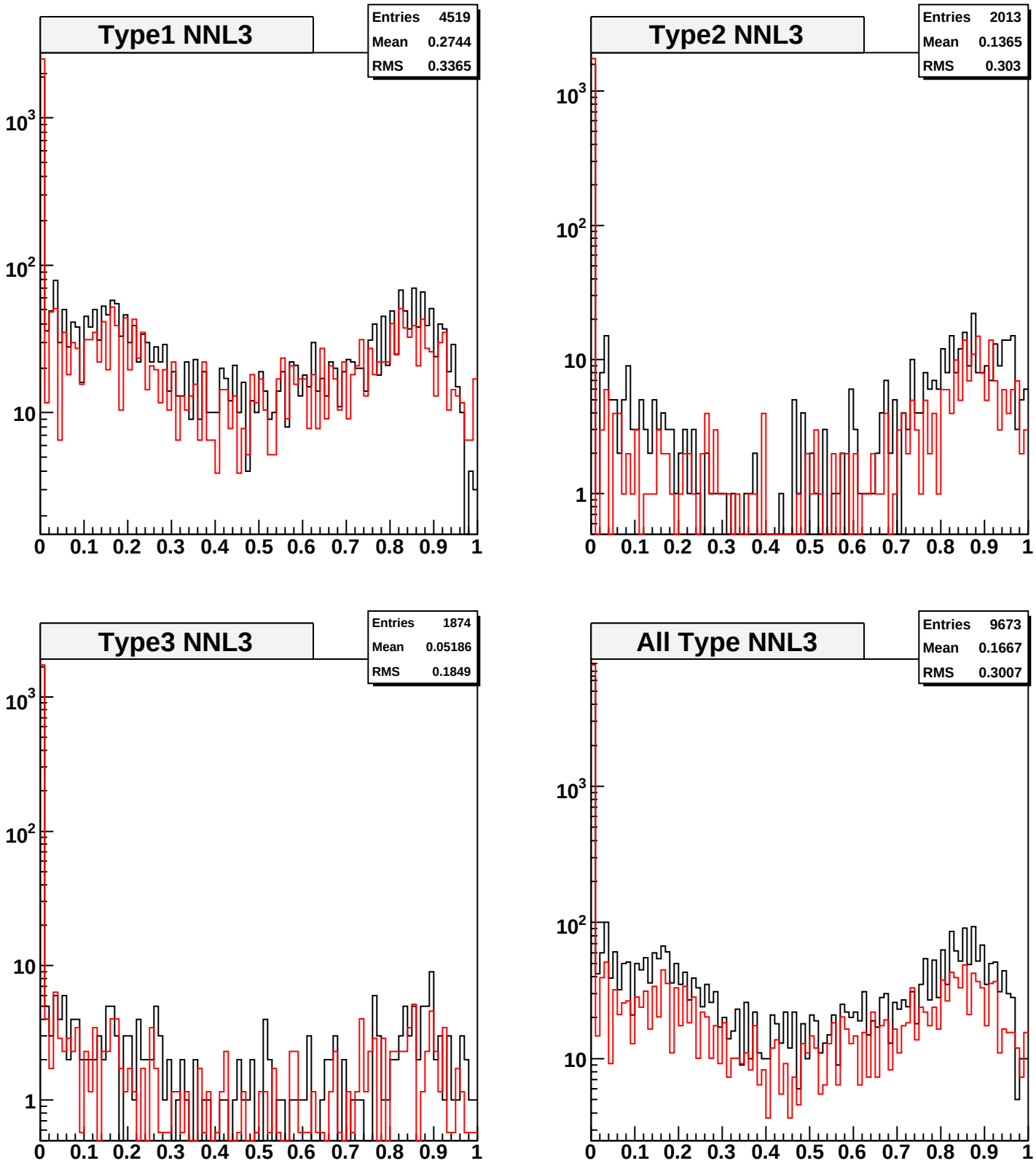
Muons (BCstub)



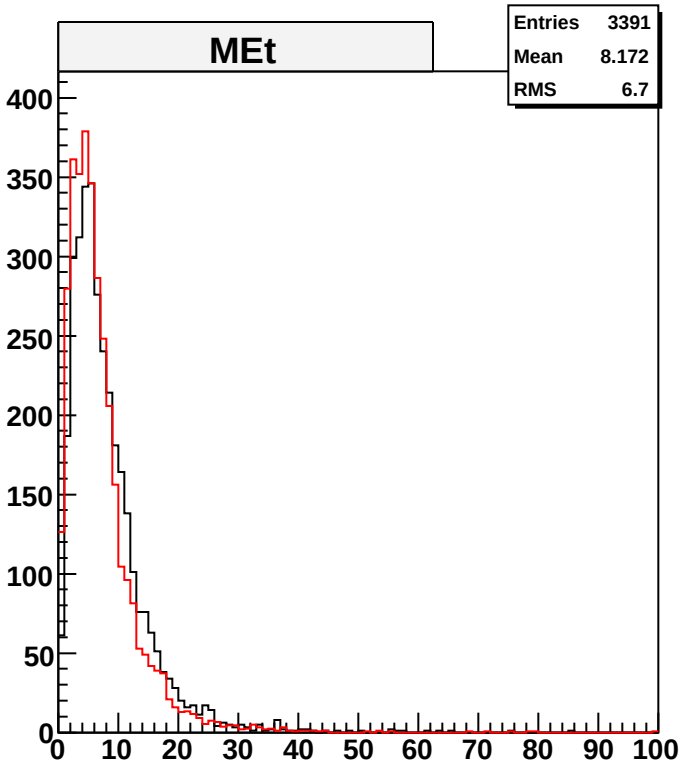
Muons (Unmatched)

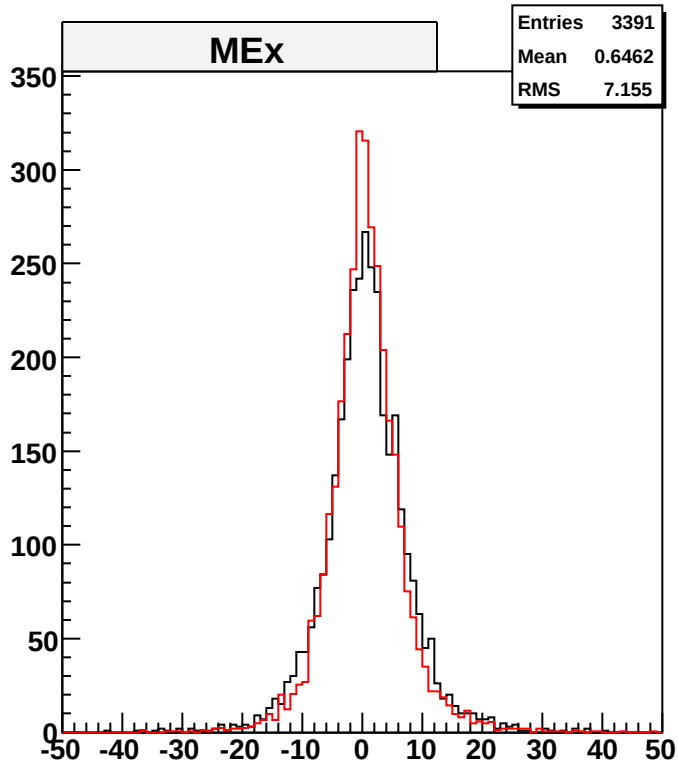


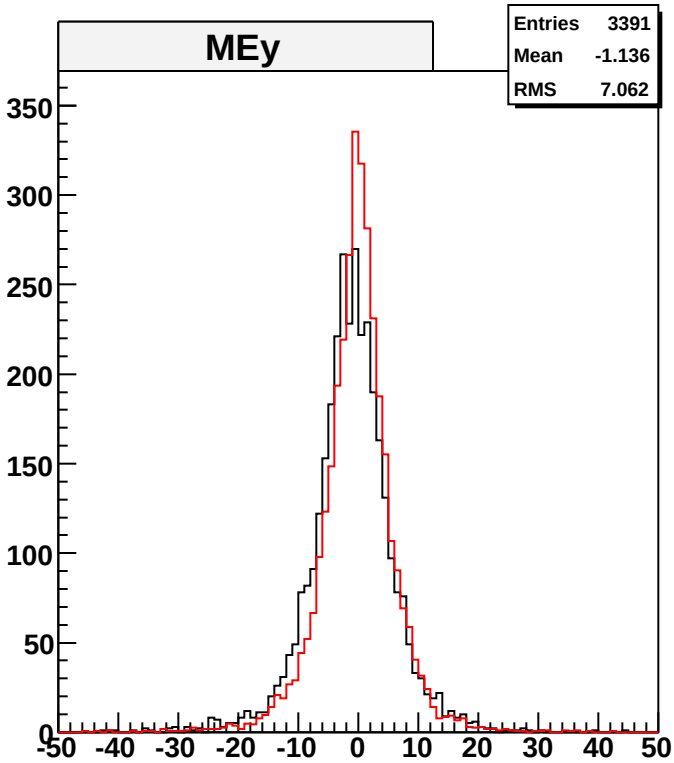
Taus NN (TAU All)



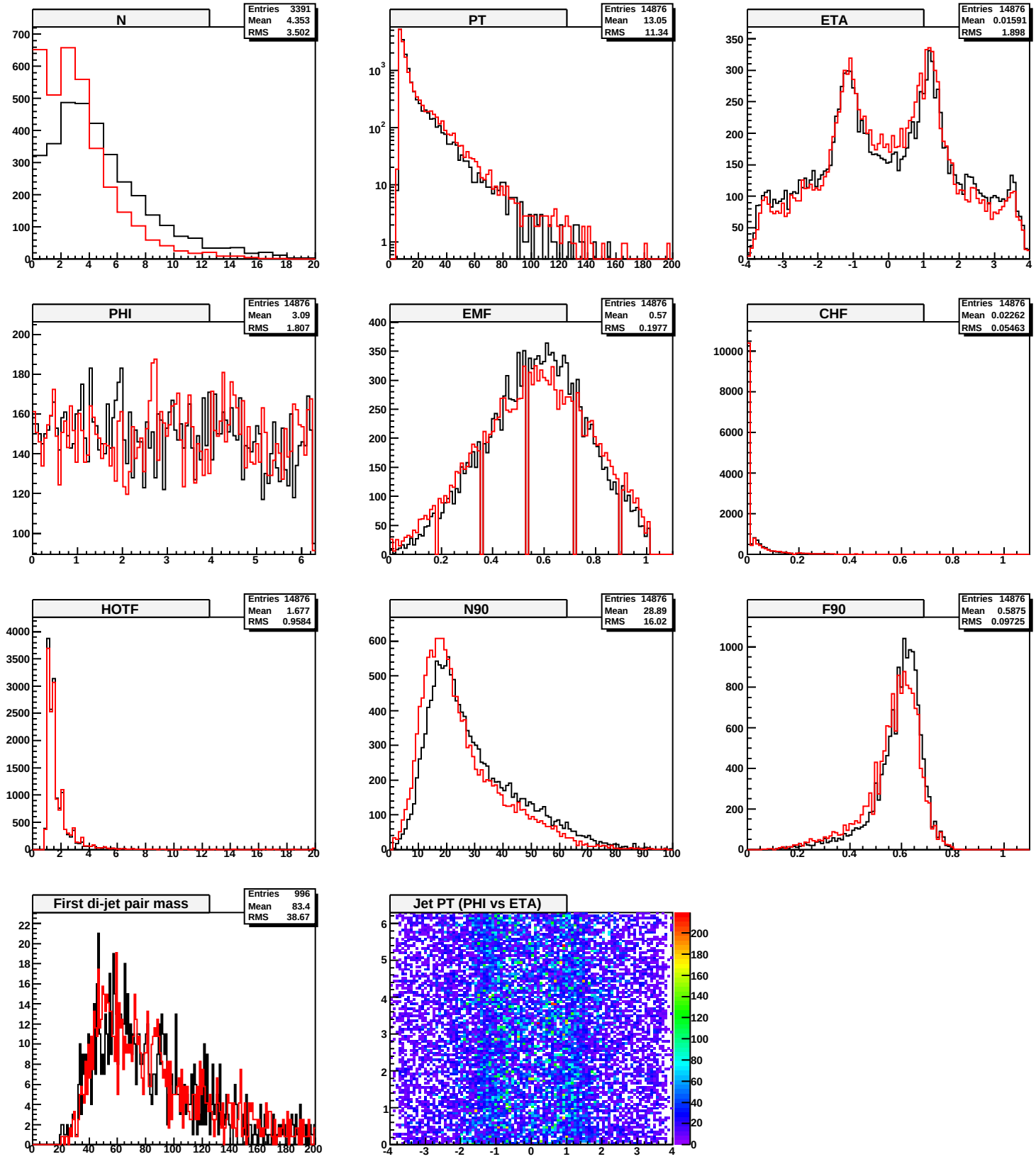
Taus NNL3 (TAU All)


MEt
Entries 3391
Mean 8.172
RMS 6.7
0
50
100
150
200
250
300
350
400
0 10 20 30 40 50 60 70 80 90 100

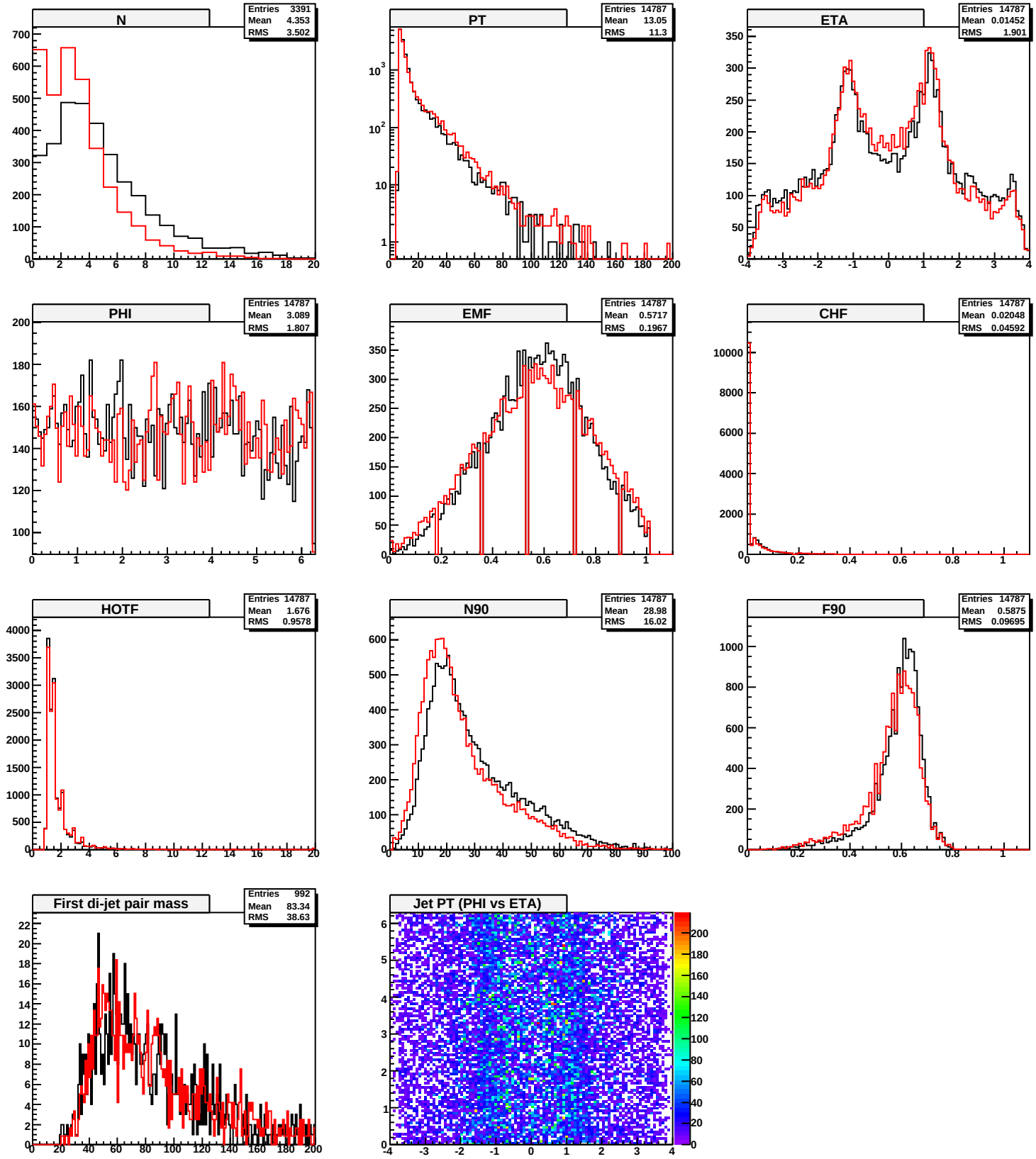

MEx
Entries 3391
Mean 0.6462
RMS 7.155
0
50
100
150
200
250
300
350
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
Entries 3391
Mean -1.136
RMS 7.062
0
50
100
150
200
250
300
350
-50 -40 -30 -20 -10 0 10 20 30 40 50

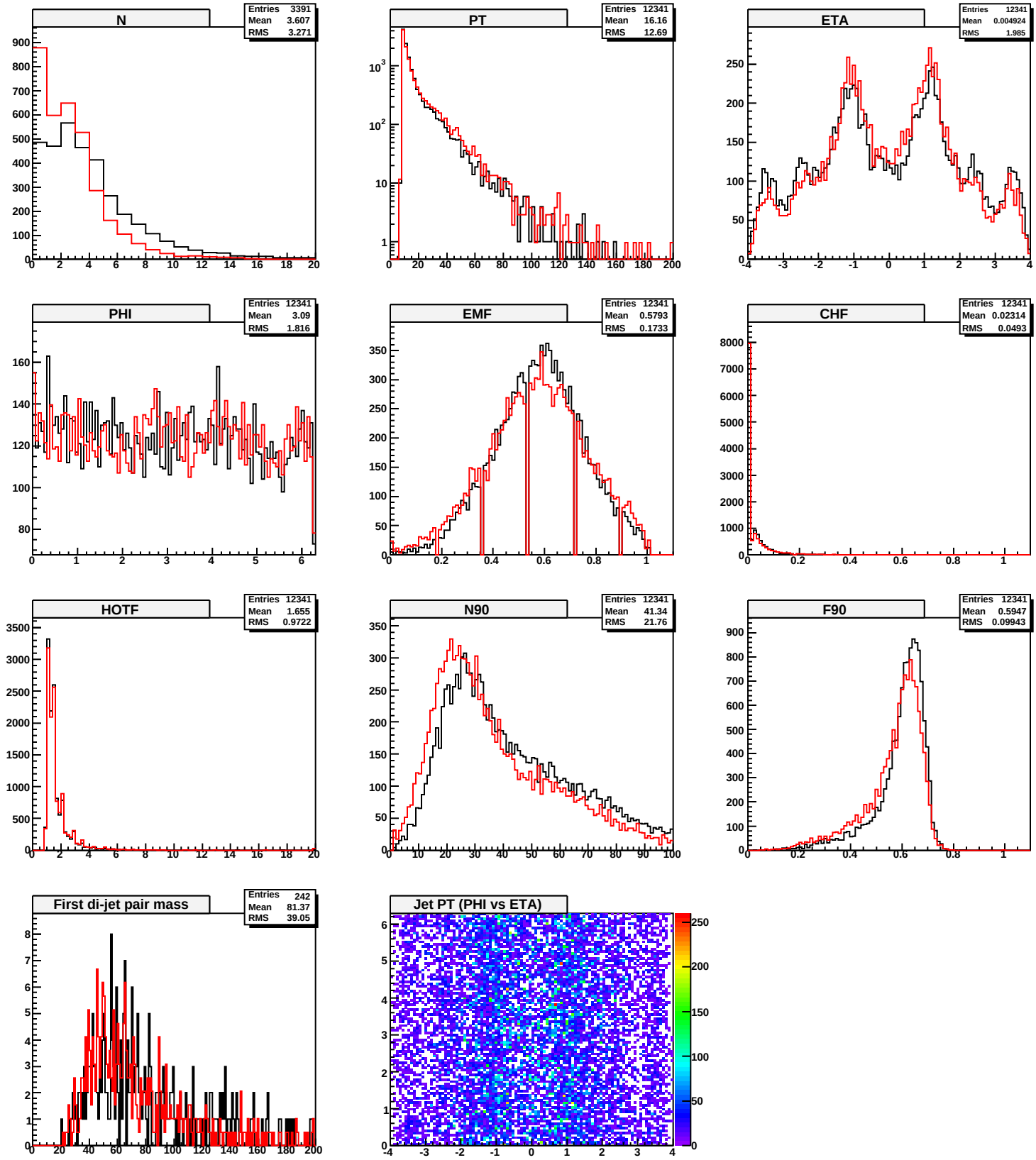
Met (No cuts)



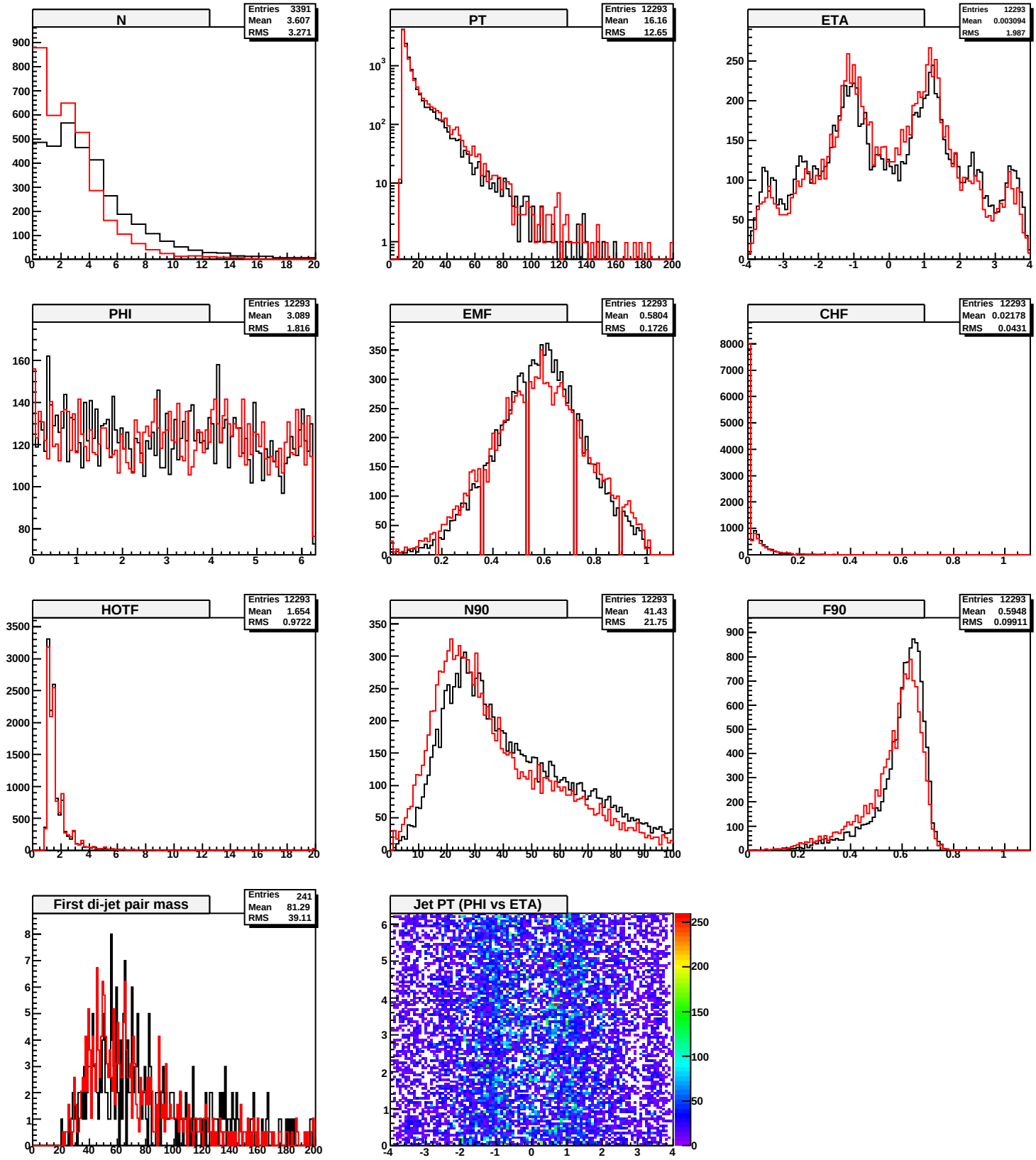
Jets (Cone R 0.7 (no cuts))



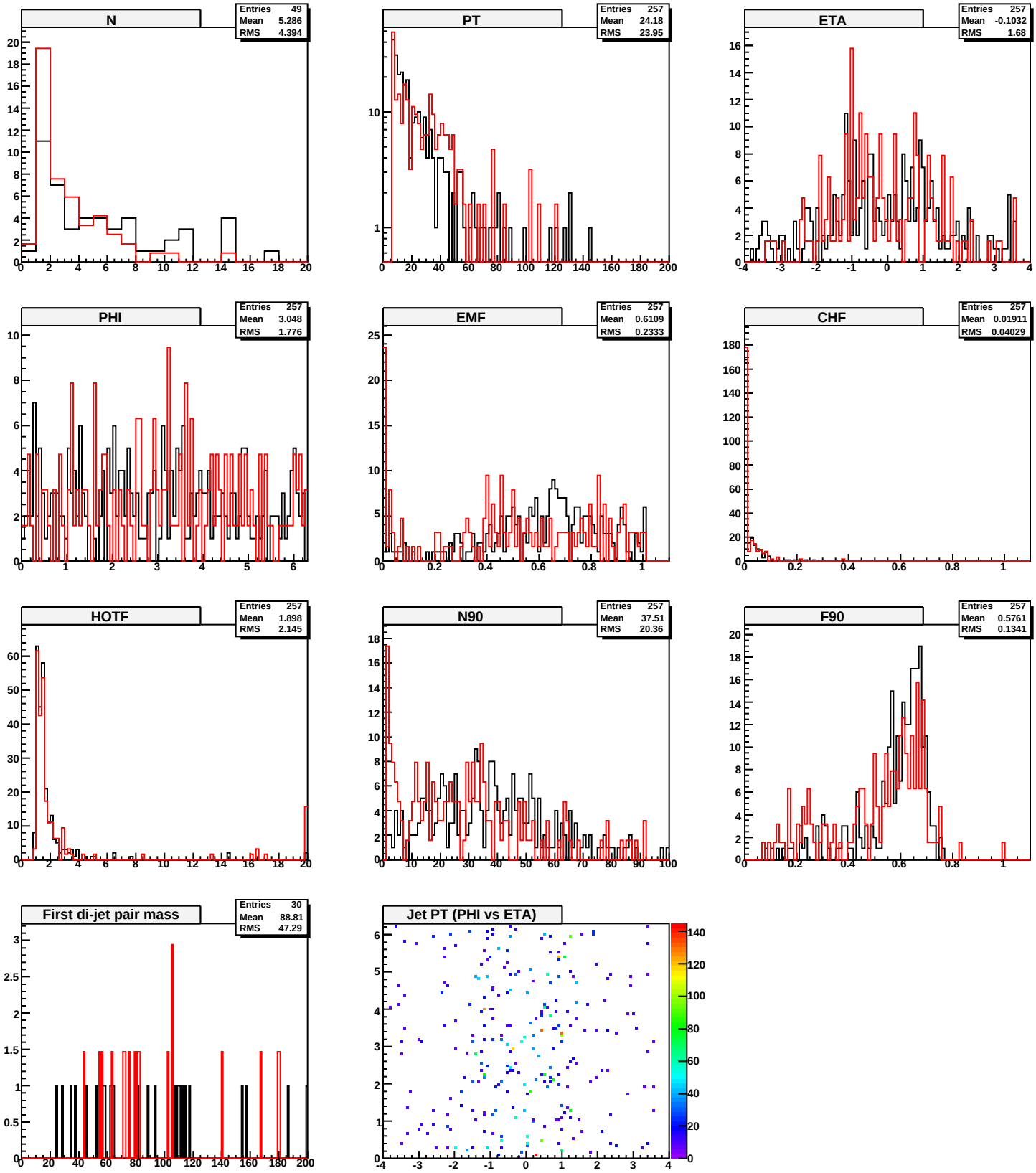
Jets (Cone R 0.7 (standard cuts))



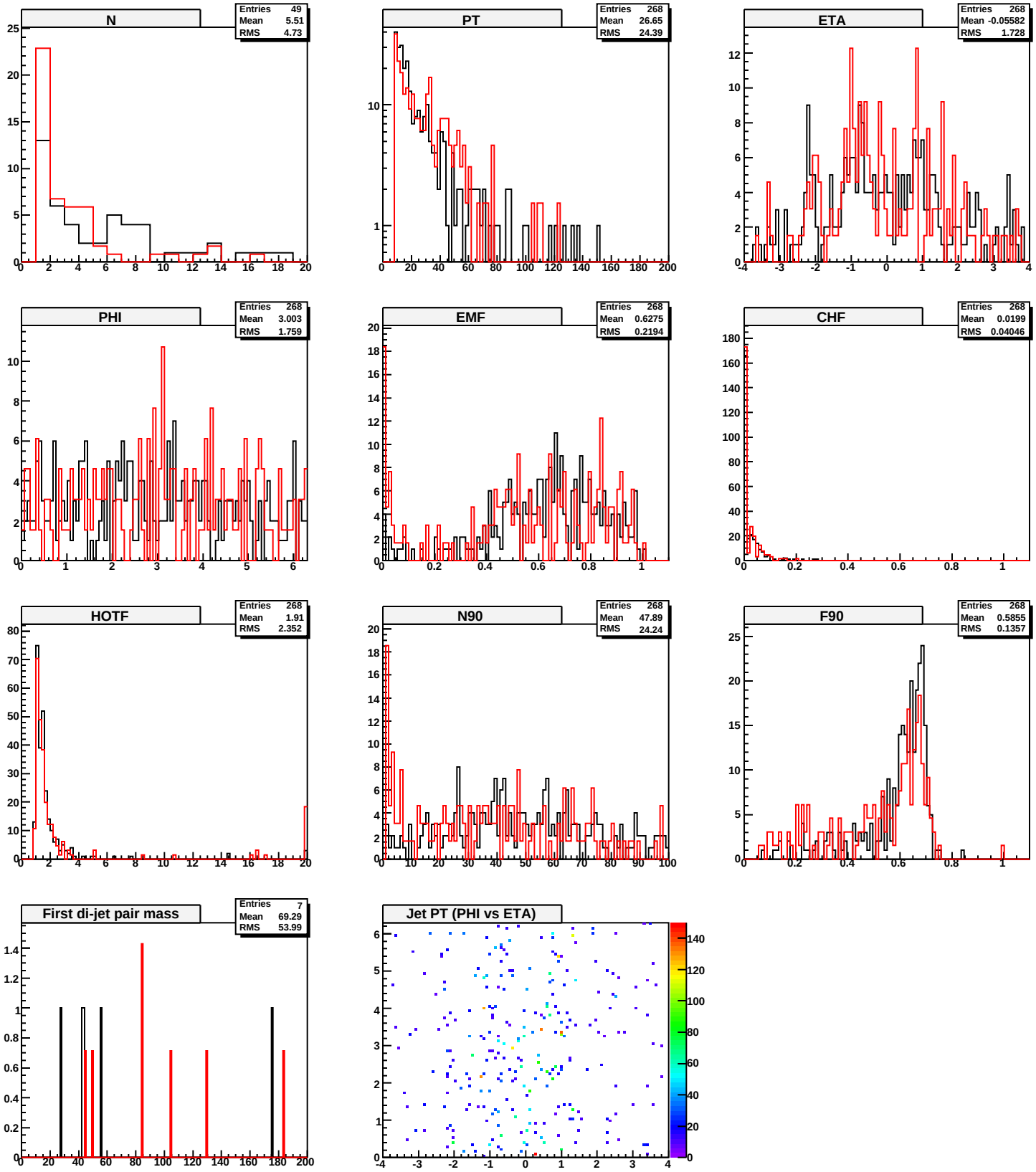
Jets (KT D 1 (no cuts))



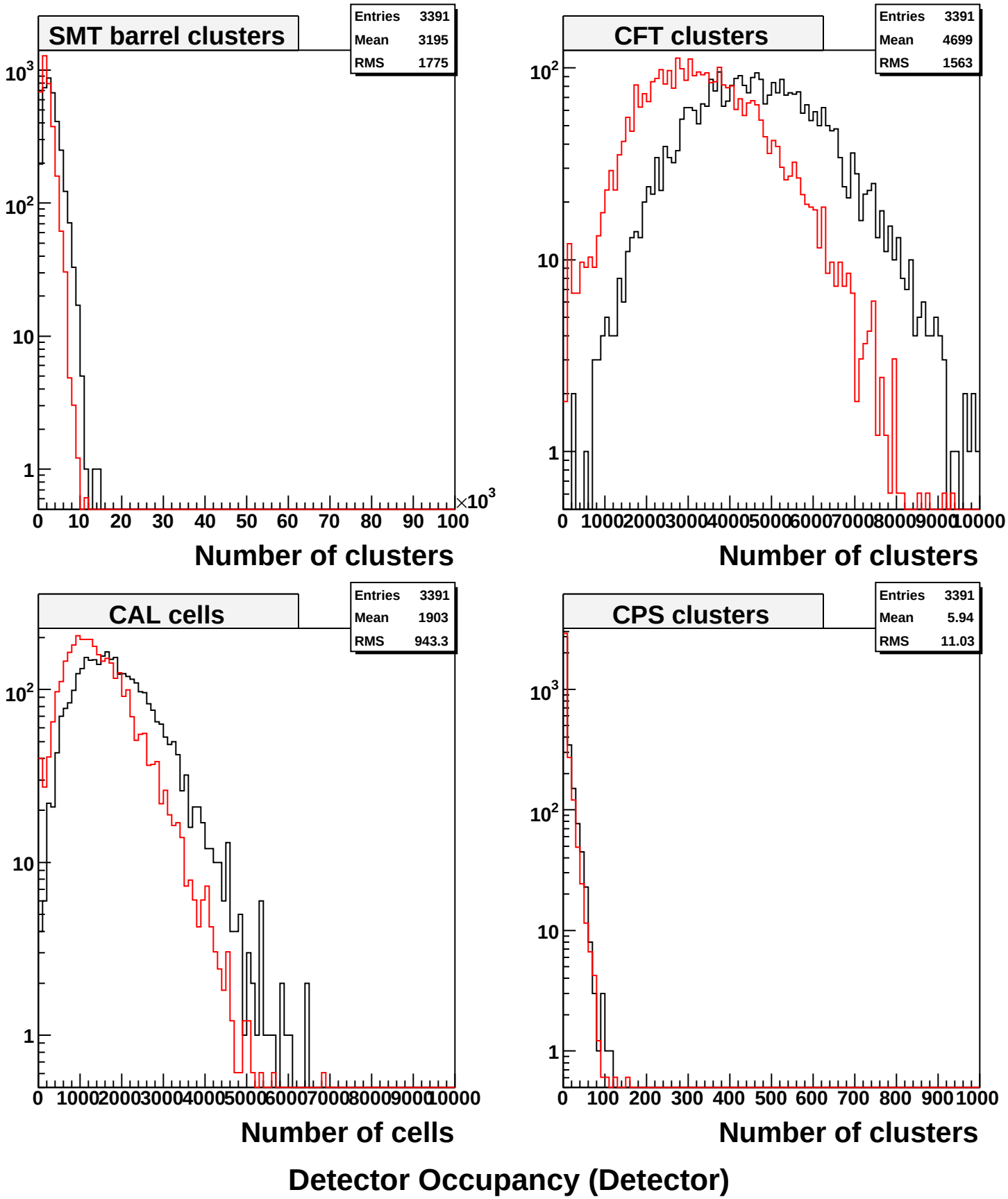
Jets (KT D 1 (standard cuts))



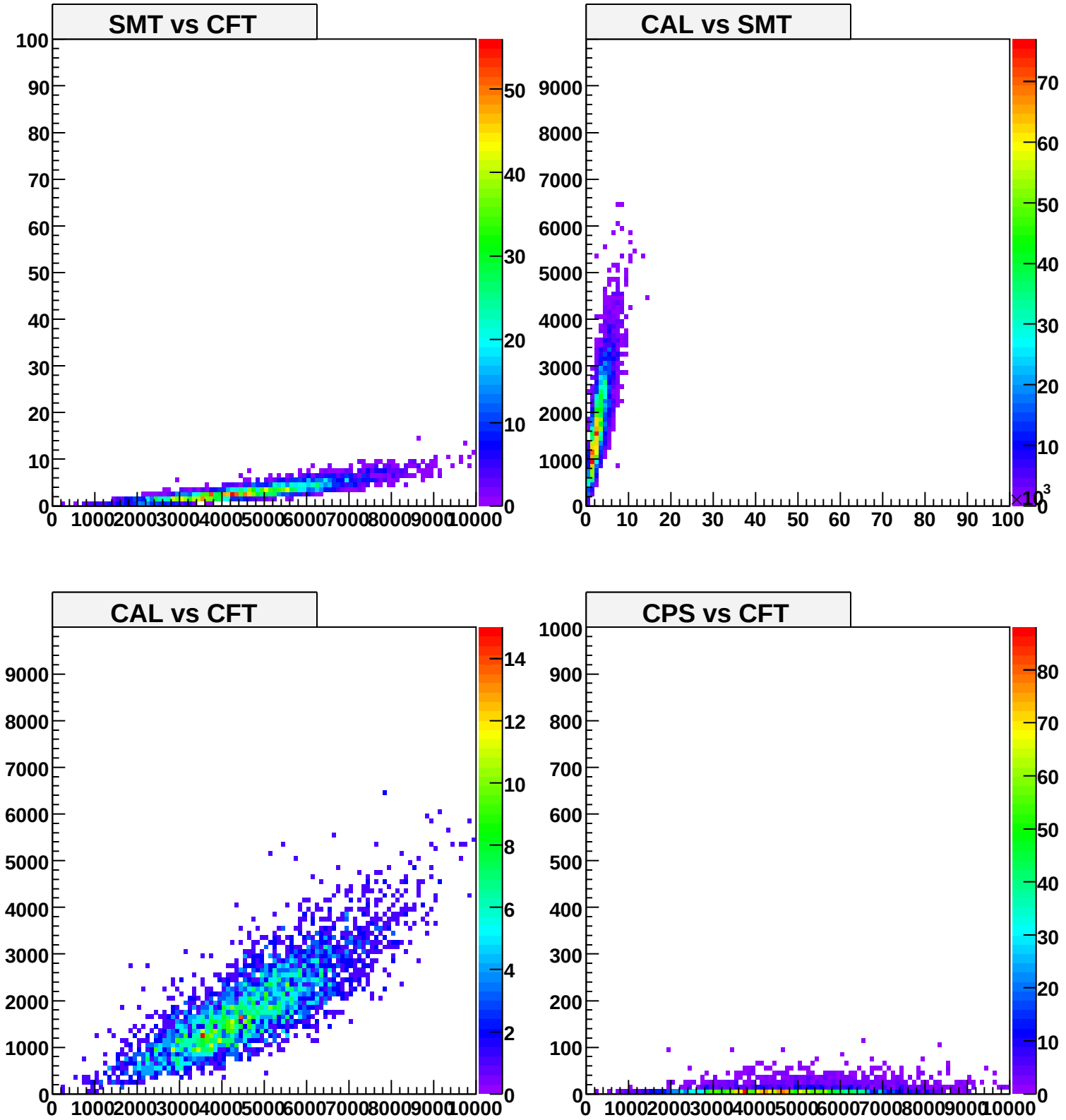
Jets (Cone R 0.7 (standard cuts, MET>30))

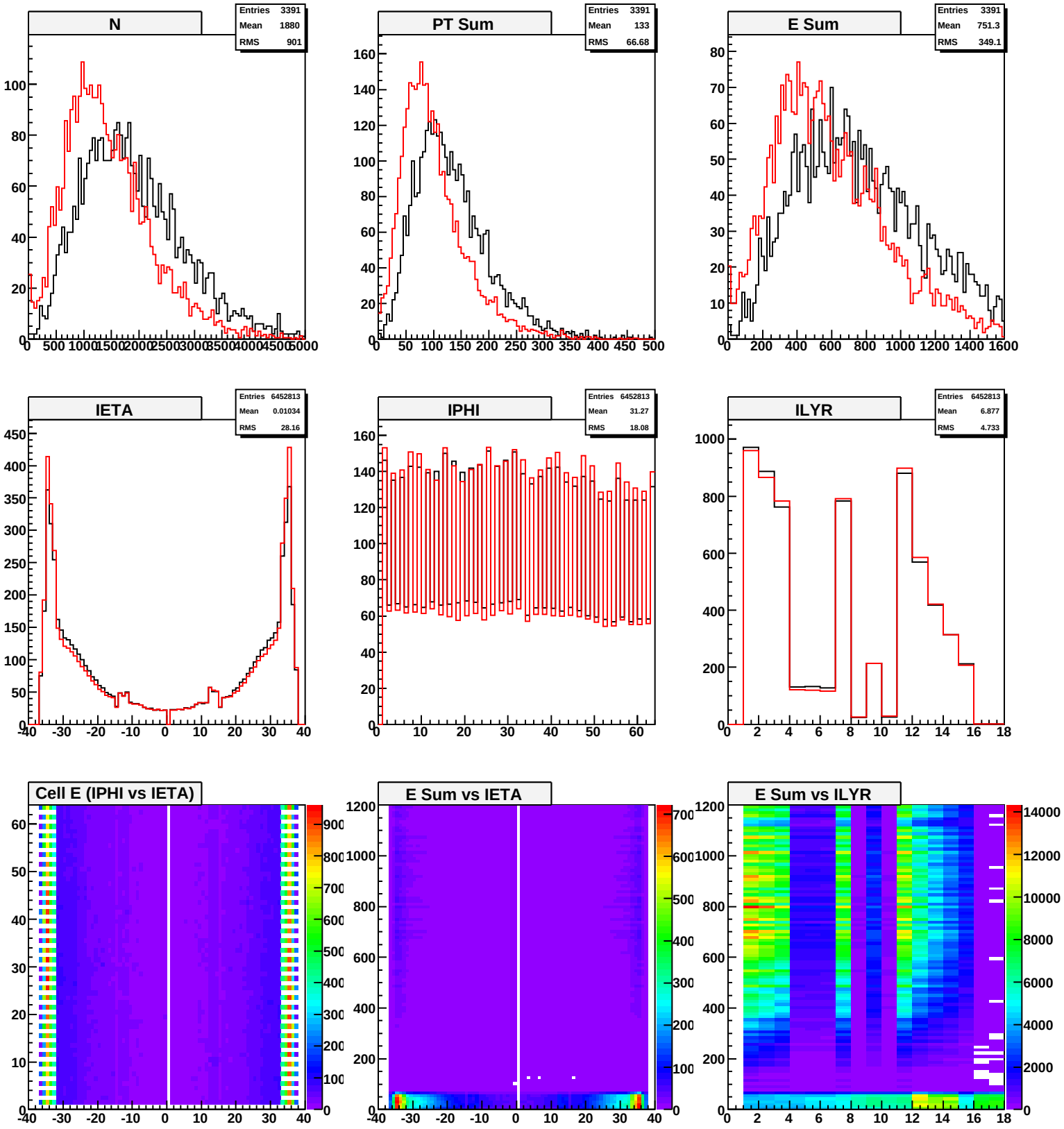


Jets (KT D 1 (standard cuts, MET>30))

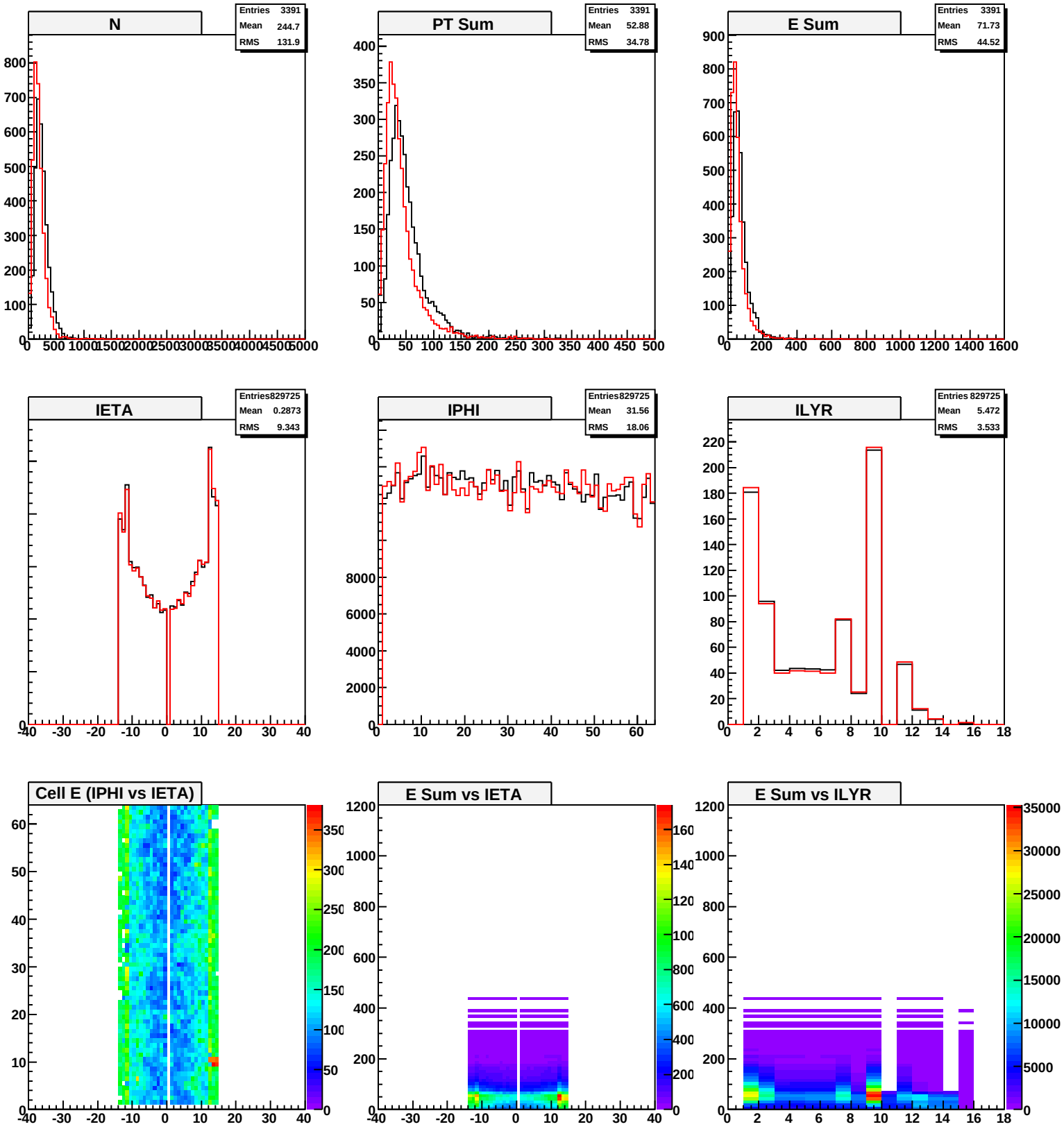


Detector Occupancy (Detector)

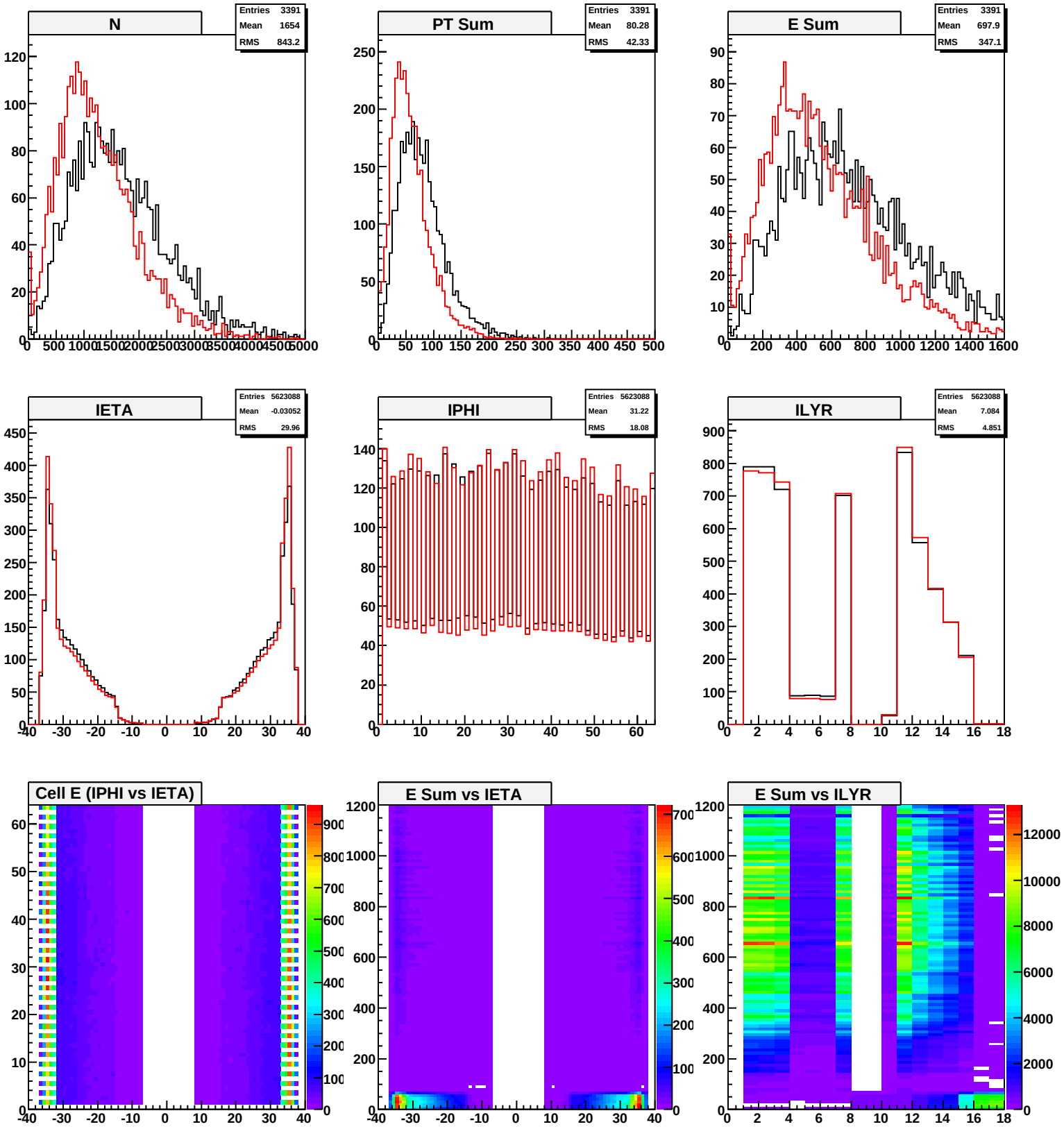

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



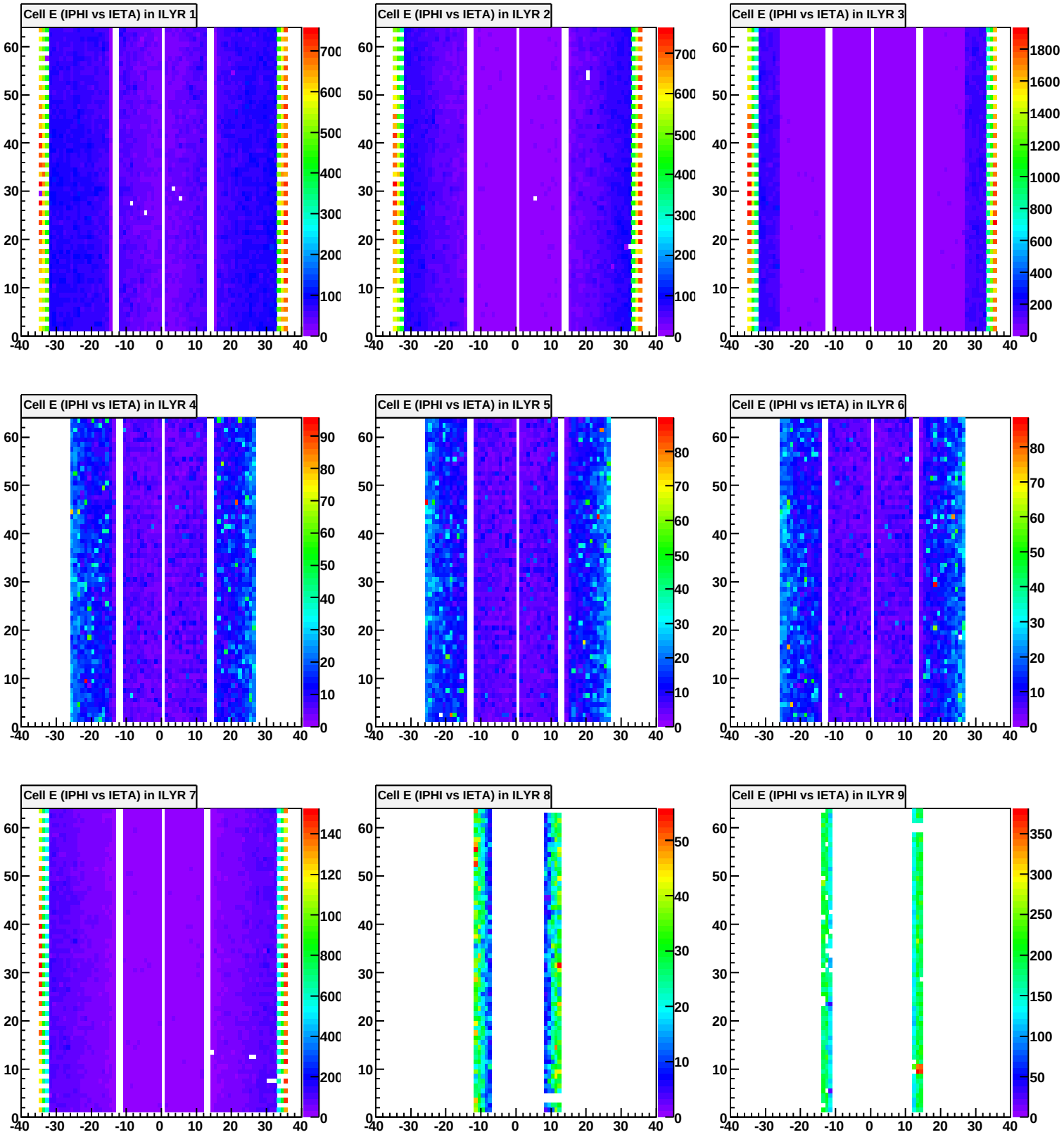
Calorimeter (All cells)



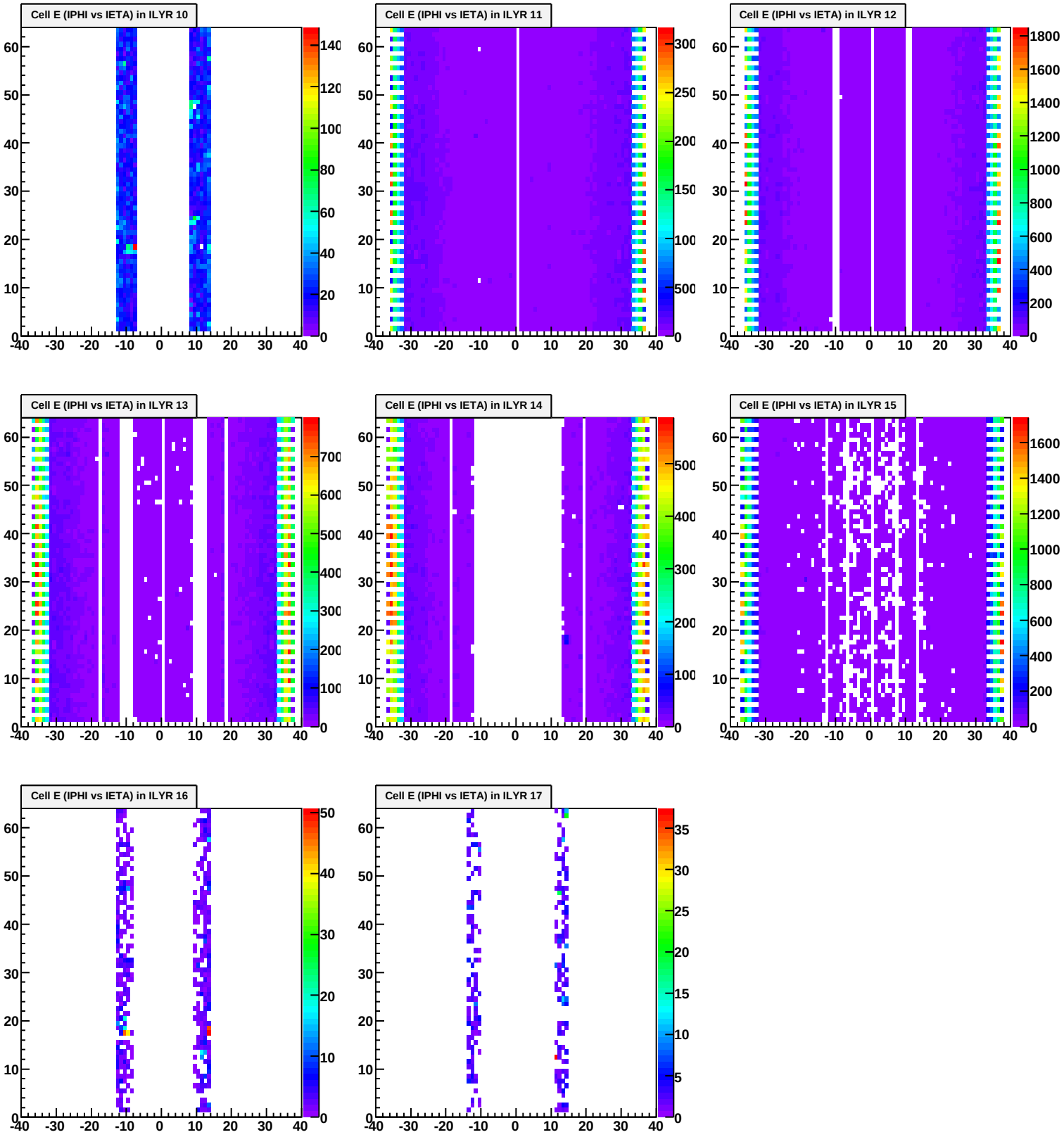
Calorimeter (All CC cells)



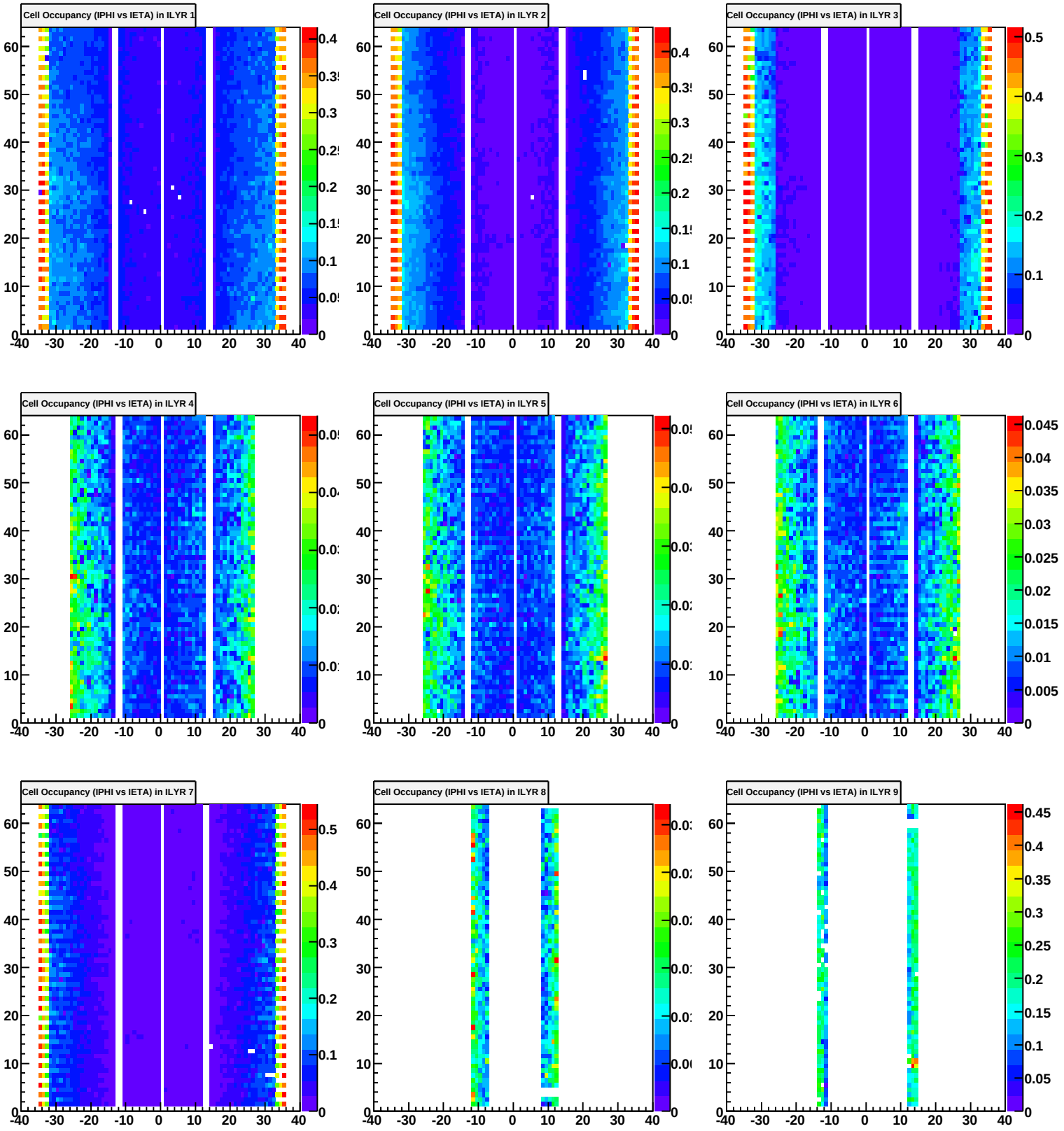
Calorimeter (All EC cells)



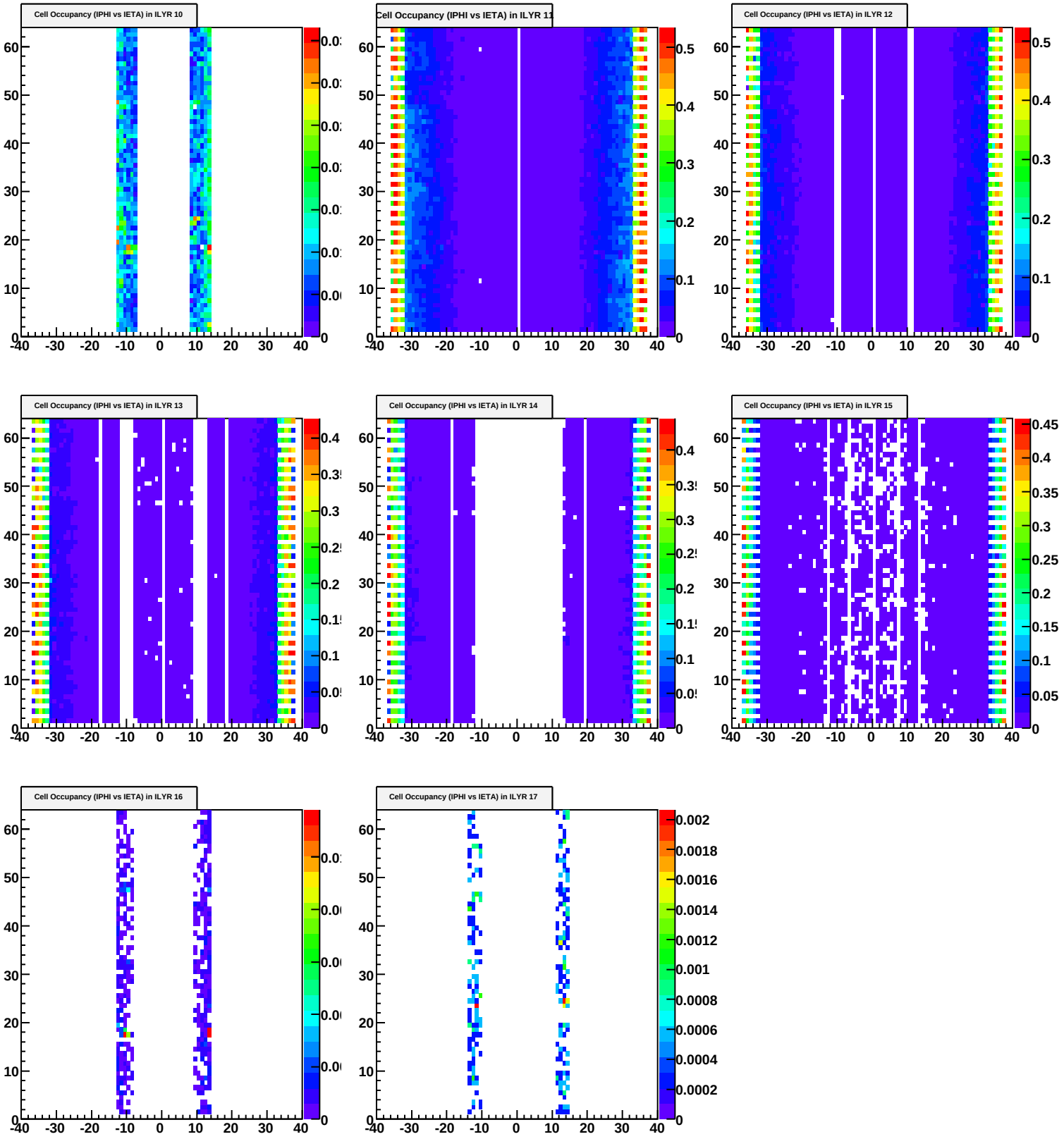
Calorimeter Cell Energy ILYR 1-9 (All cells)



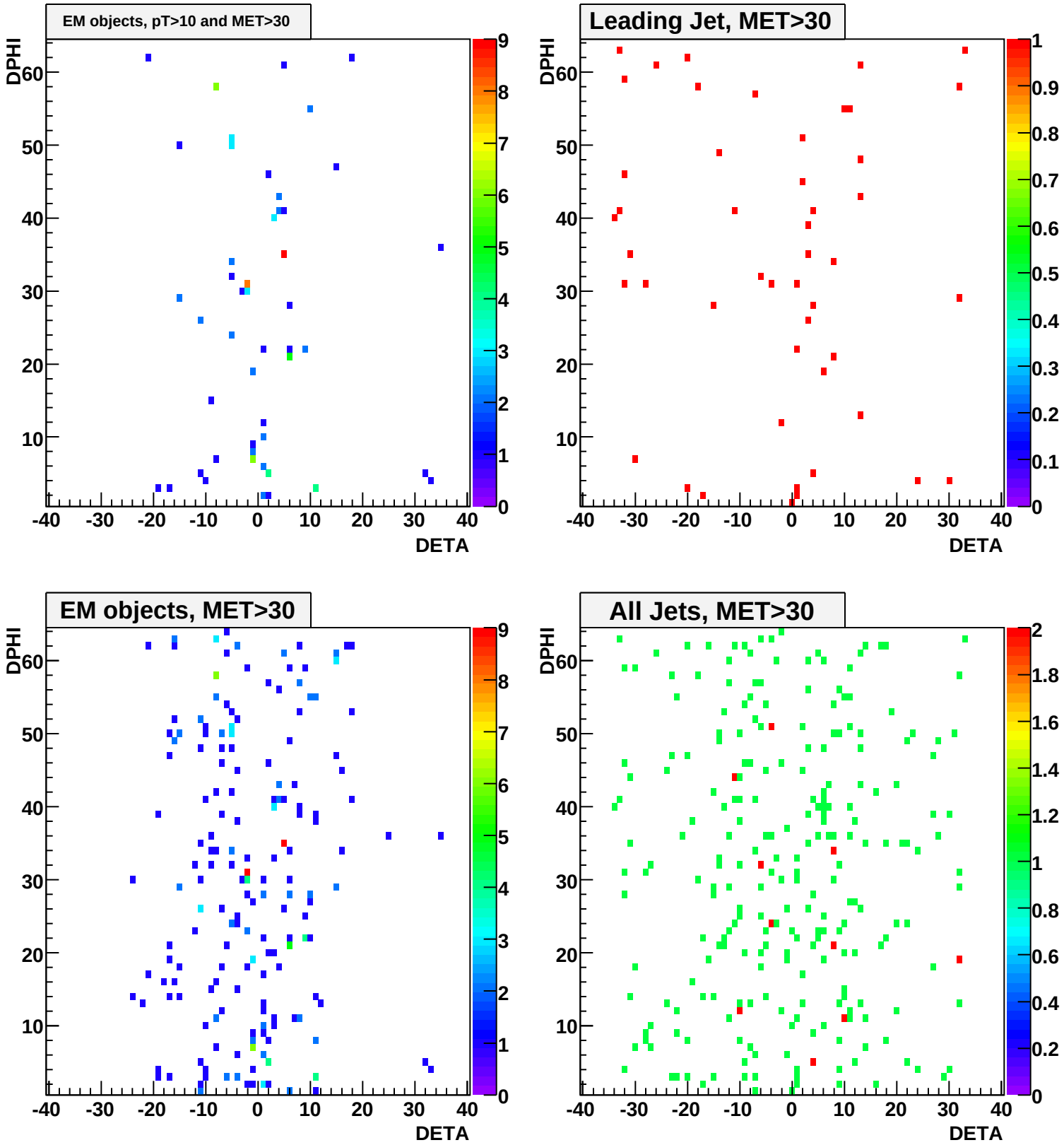
Calorimeter Cell Energy ILYR 10-17 (All cells)



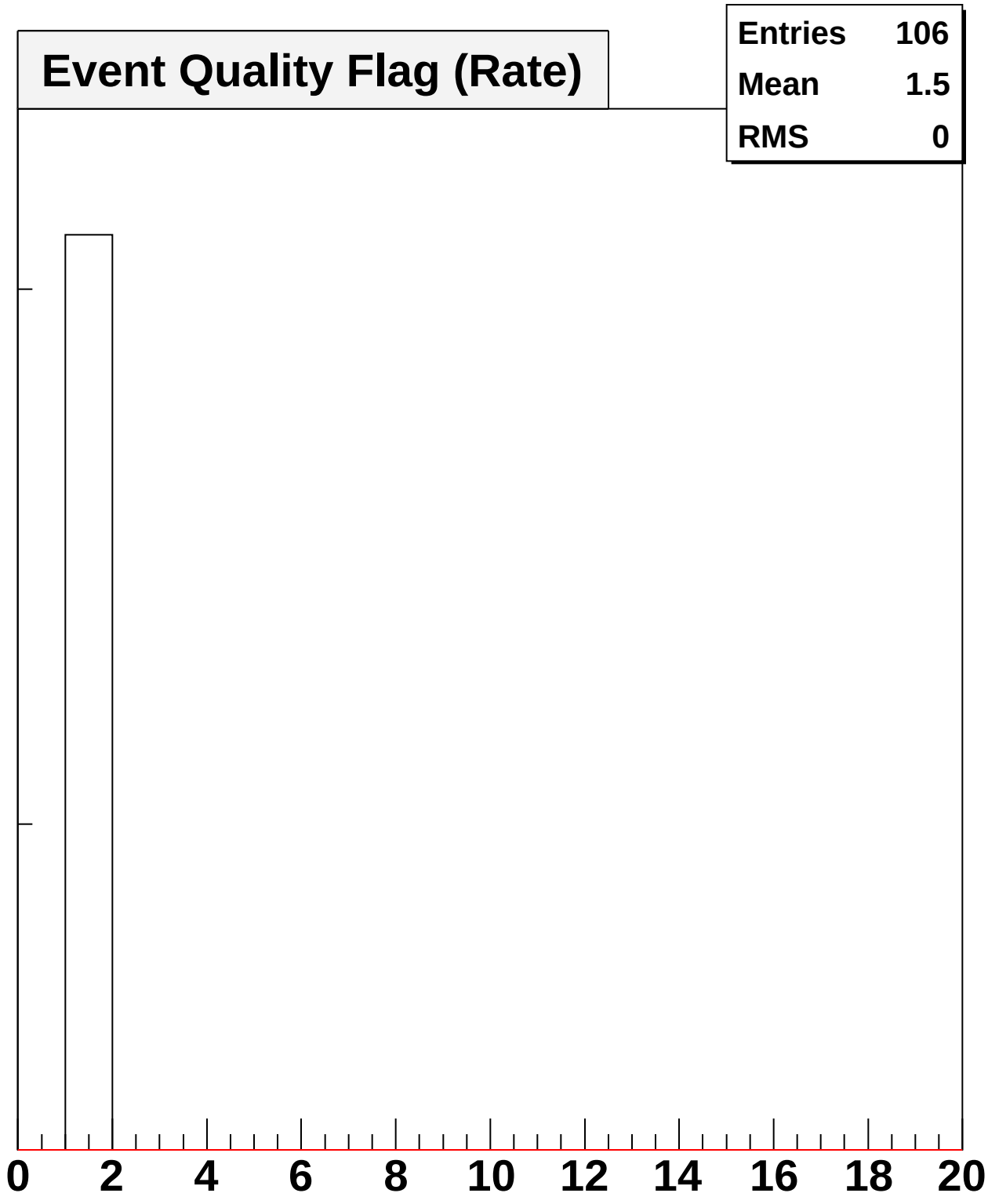
Calorimeter Occupancy ILYR 1-9 (All cells)



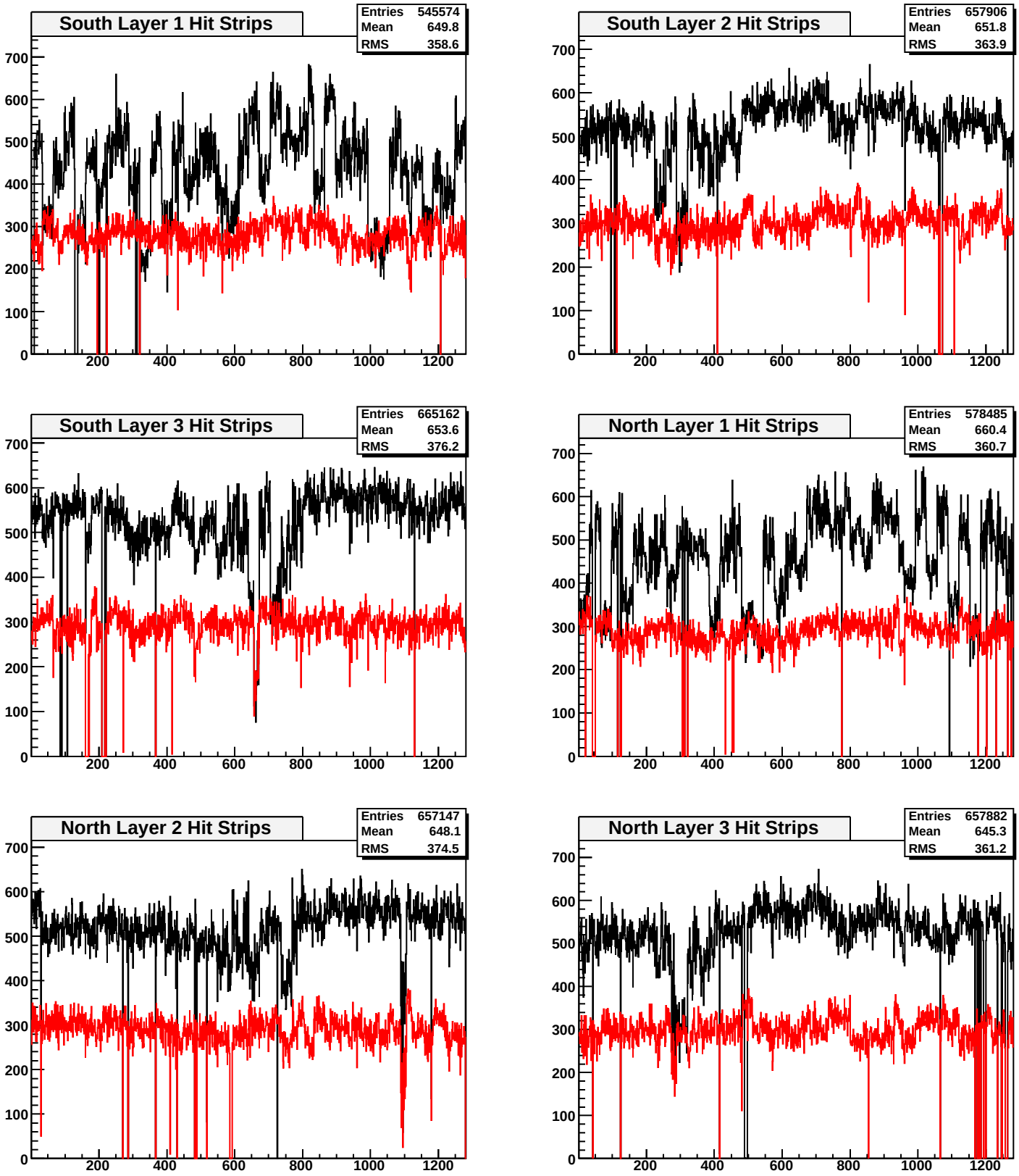
Calorimeter Occupancy ILYR 10-17 (All cells)



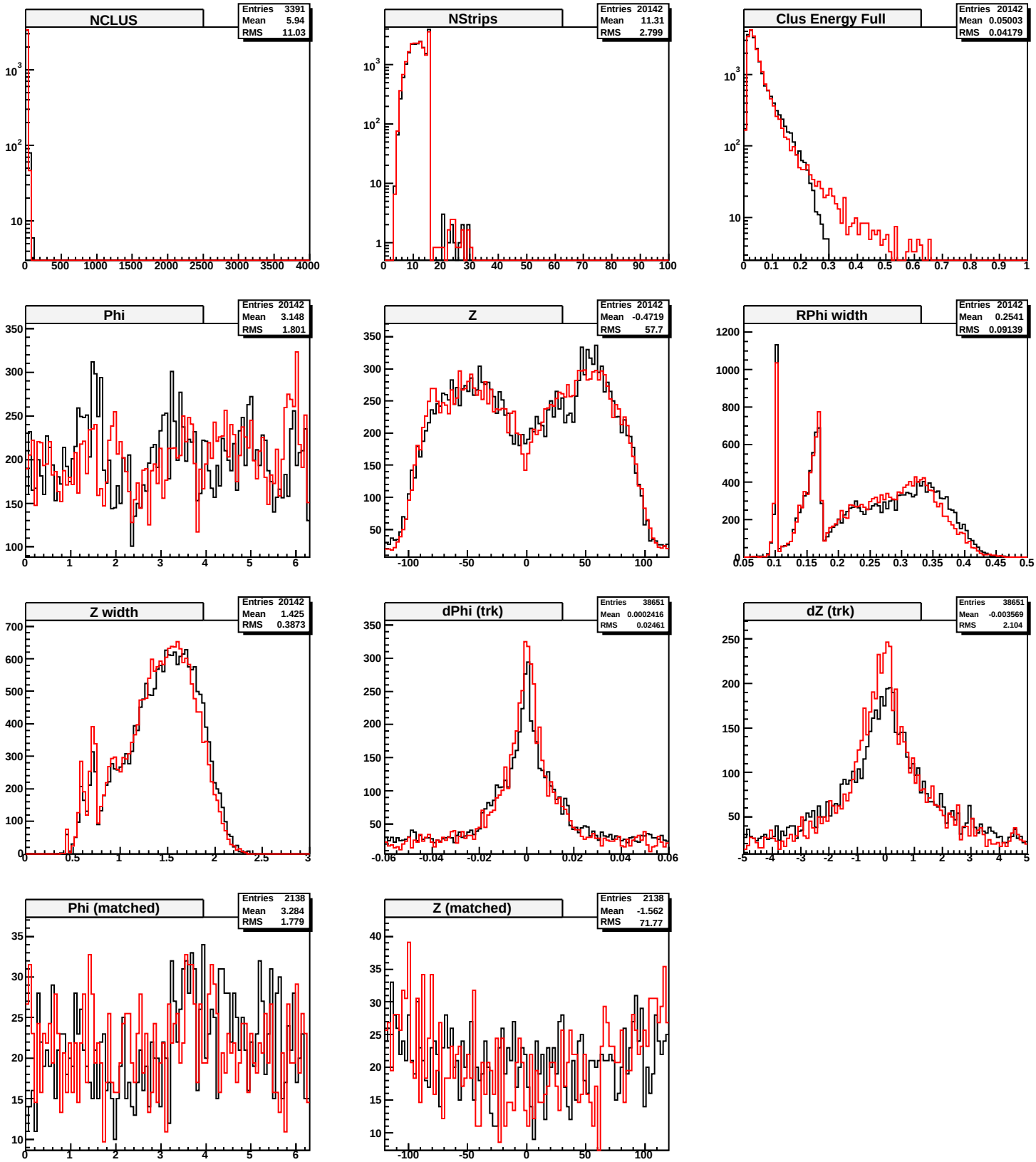
Cal Objects with MET>30 (All cells)



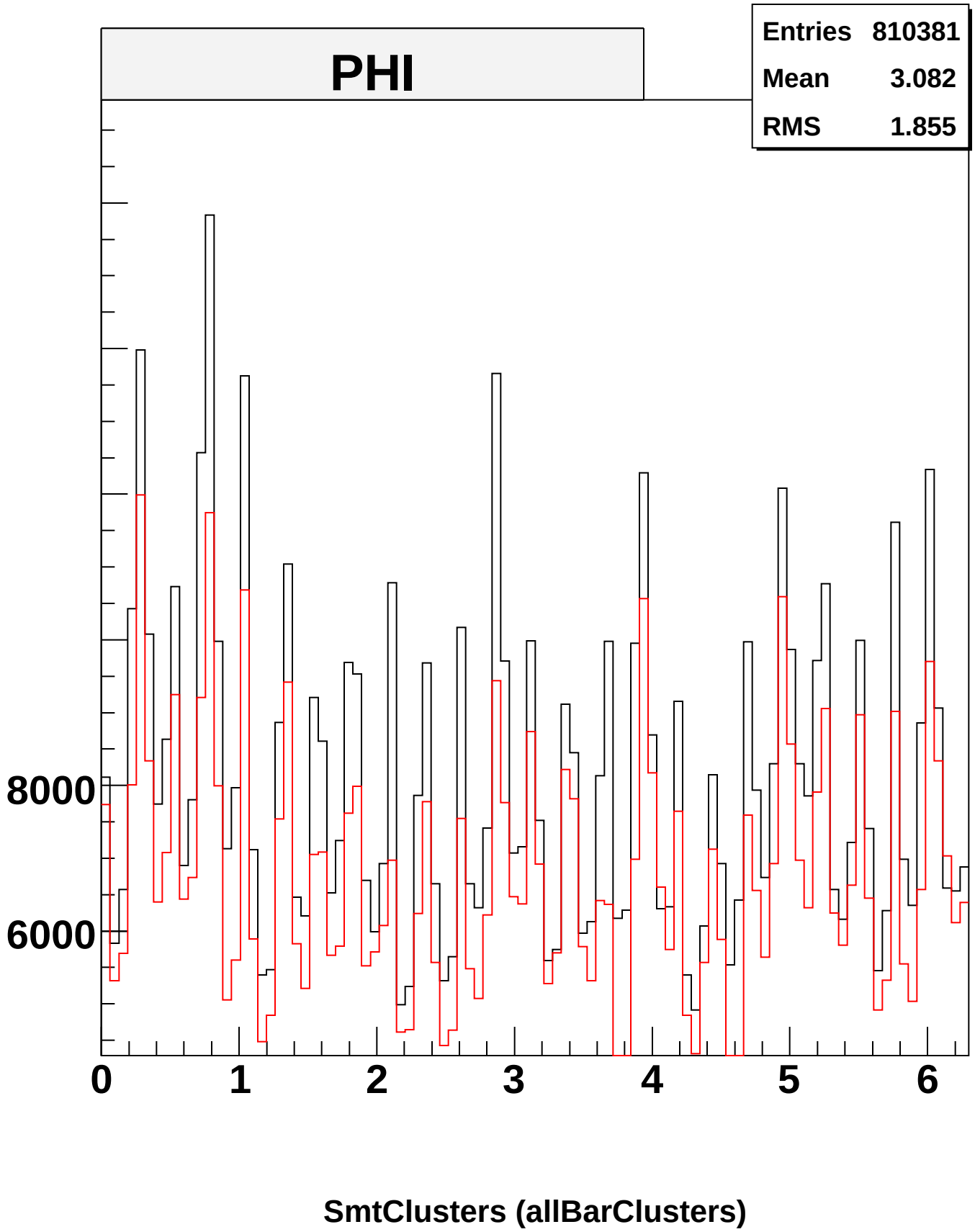
Calorimeter Event Quality (All cells)

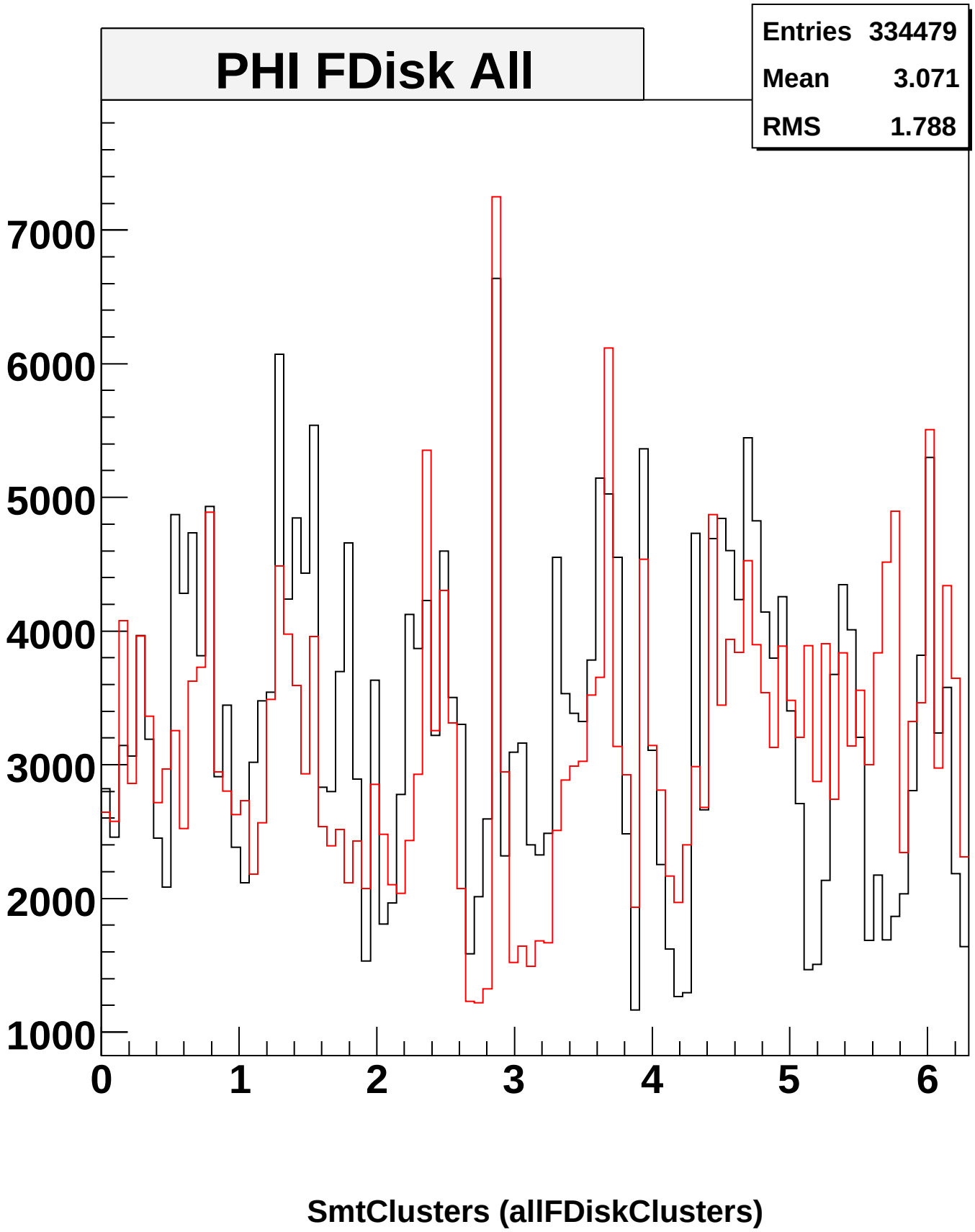


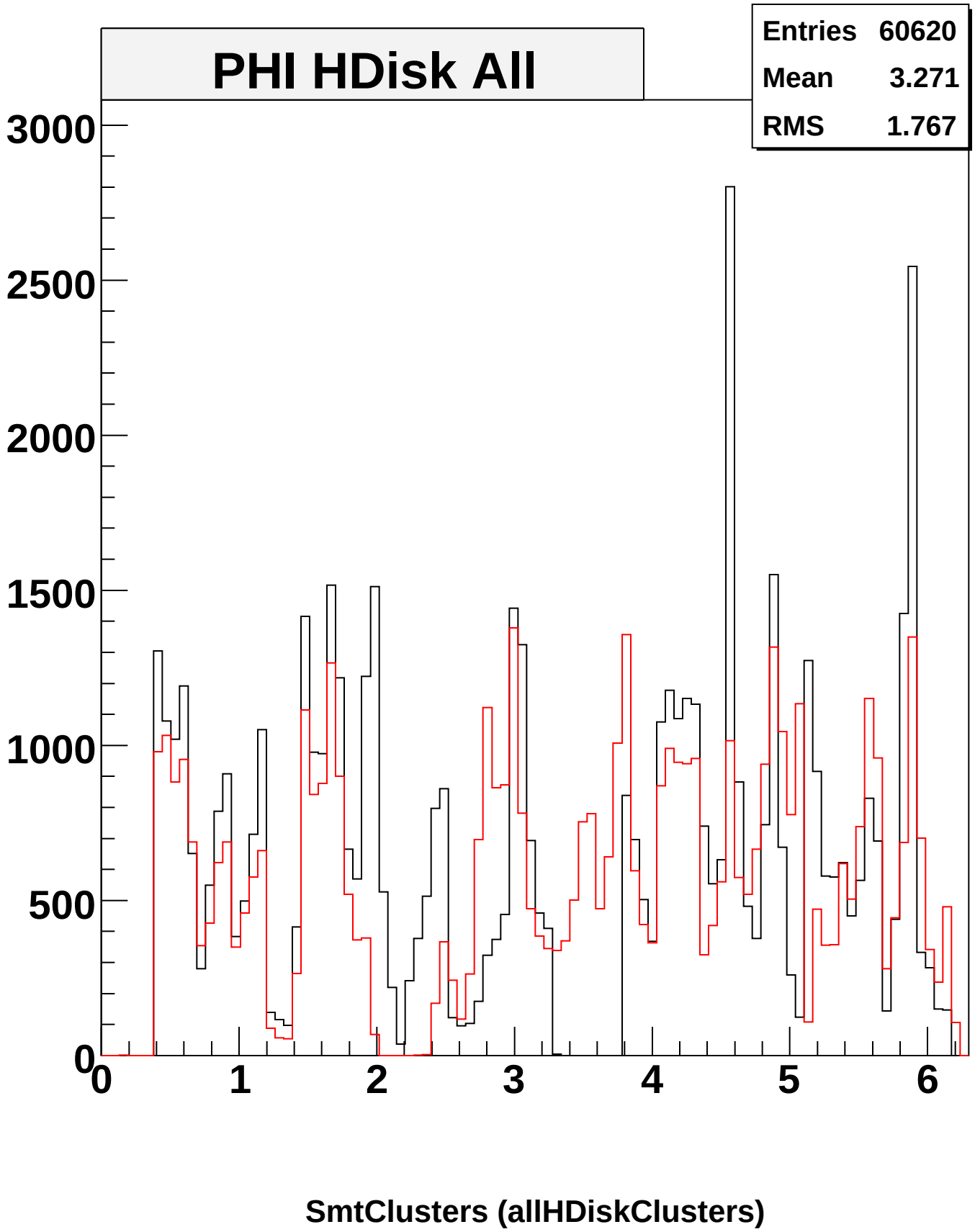
CPS Hit Strips (All Clusters)

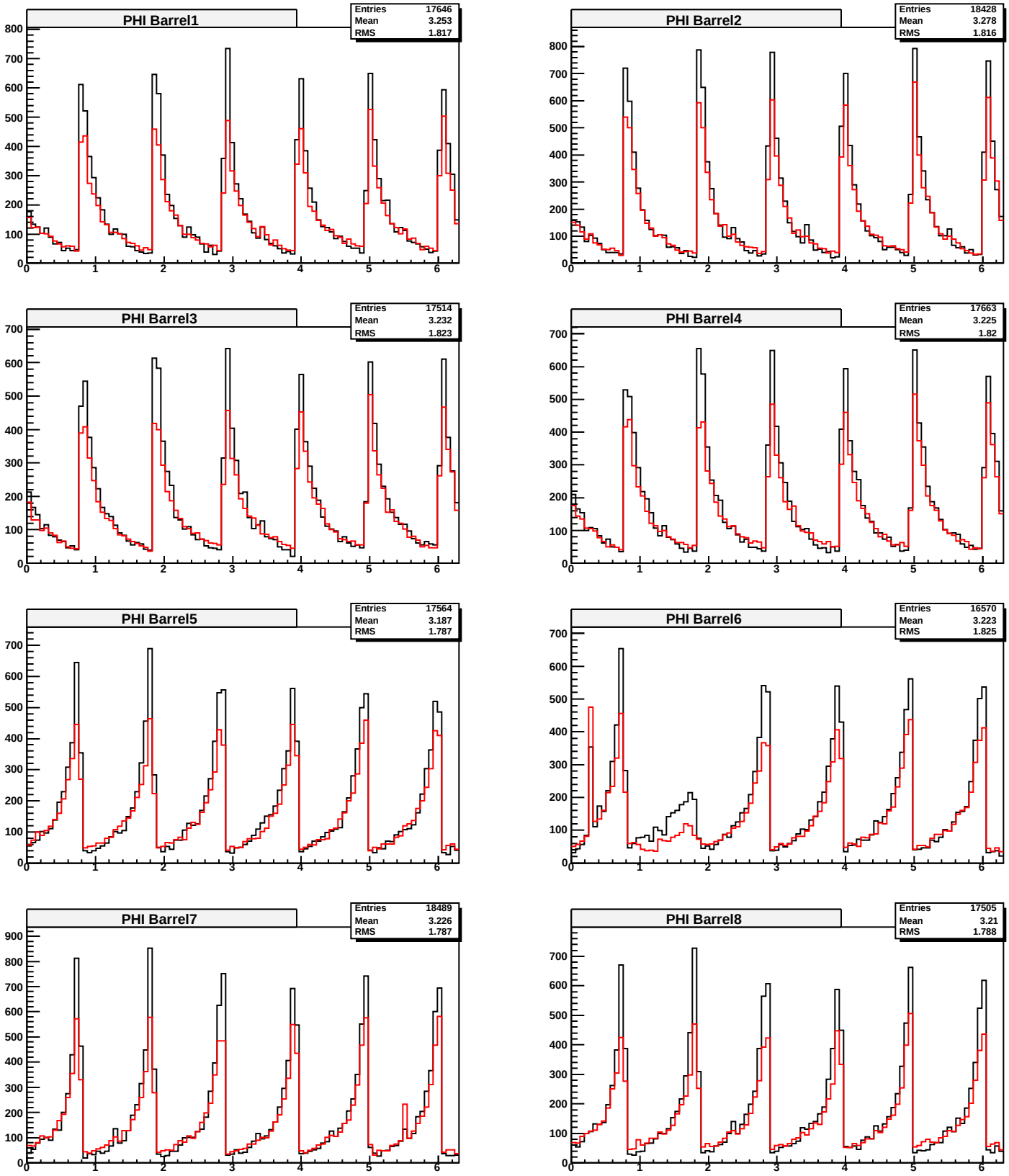


CPS Clusters (All Clusters)

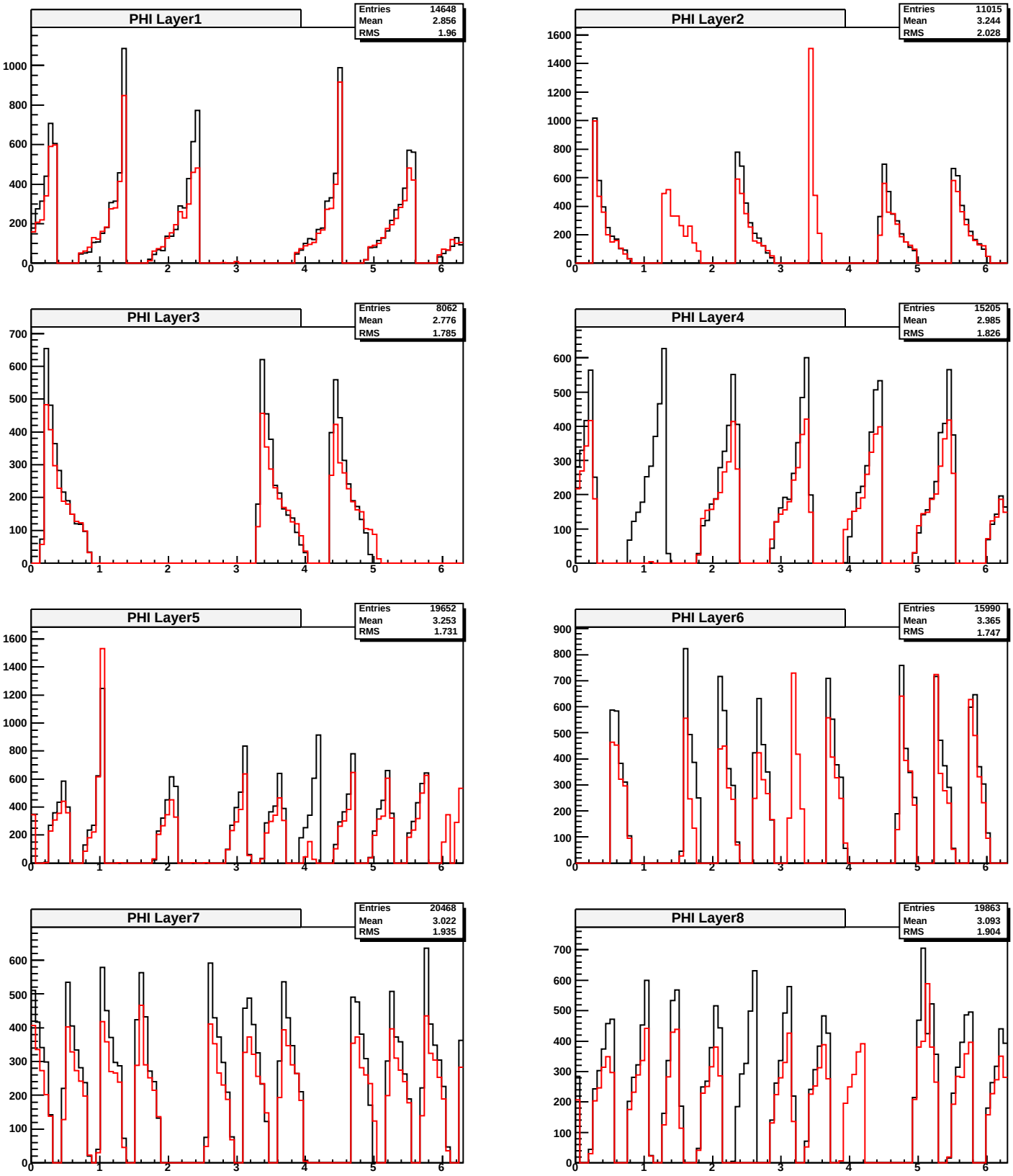

PHI
Entries 810381
Mean 3.082
RMS 1.855
8000
6000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 334479
Mean 3.071
RMS 1.788
7000
6000
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

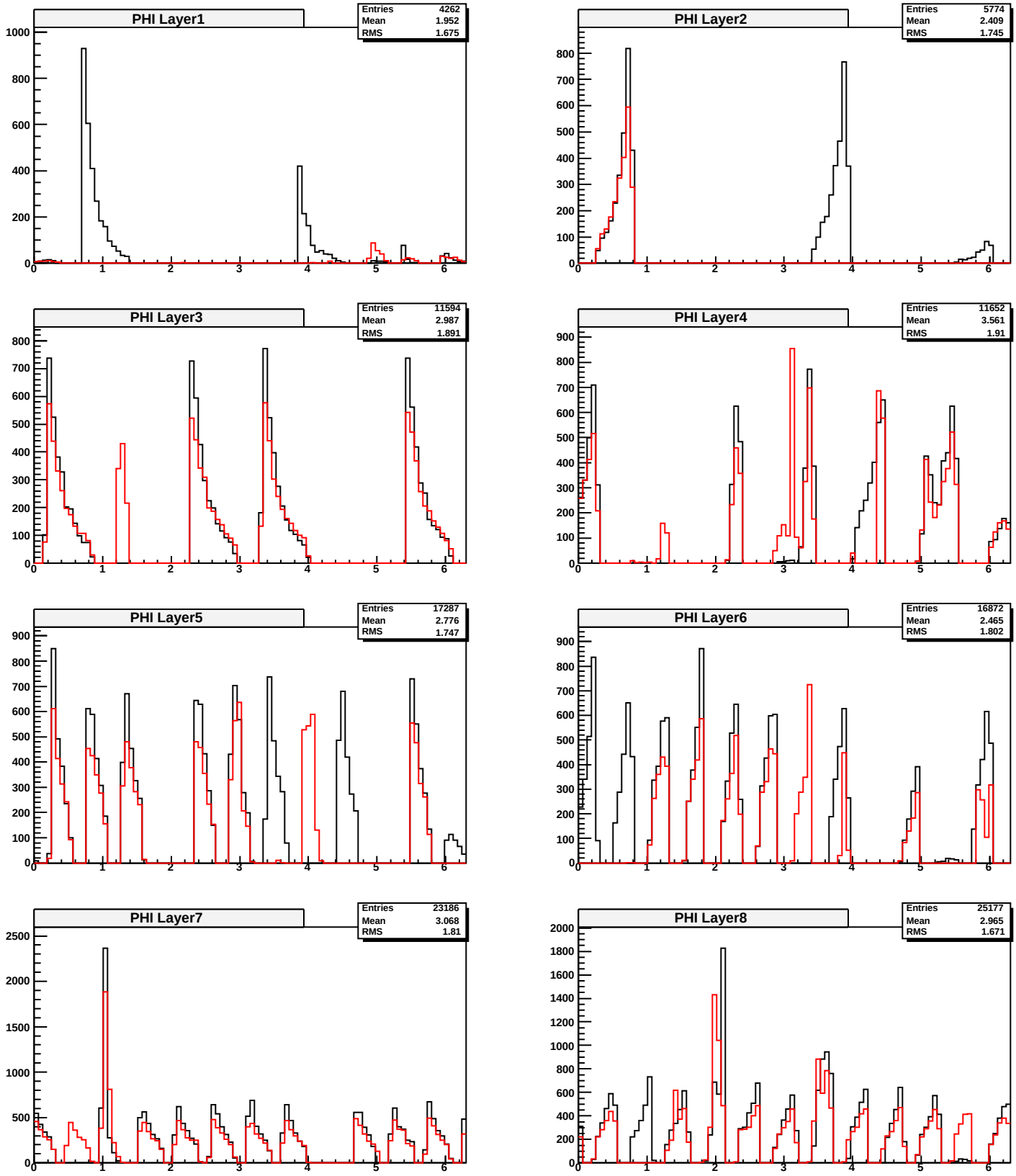

PHI HDisk All
Entries 60620
Mean 3.271
RMS 1.767
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



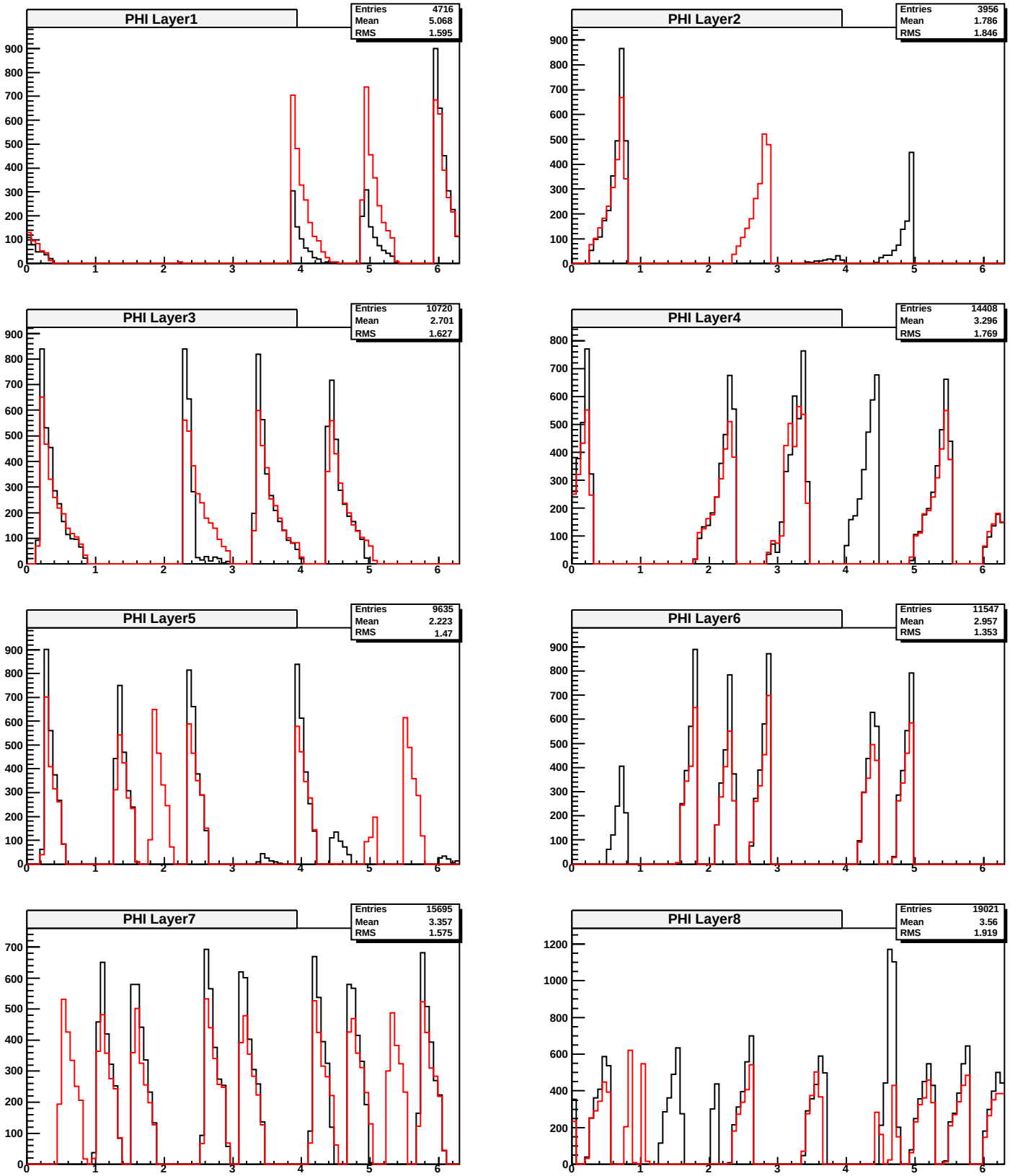
SmtClusters (ClustrLayer0)



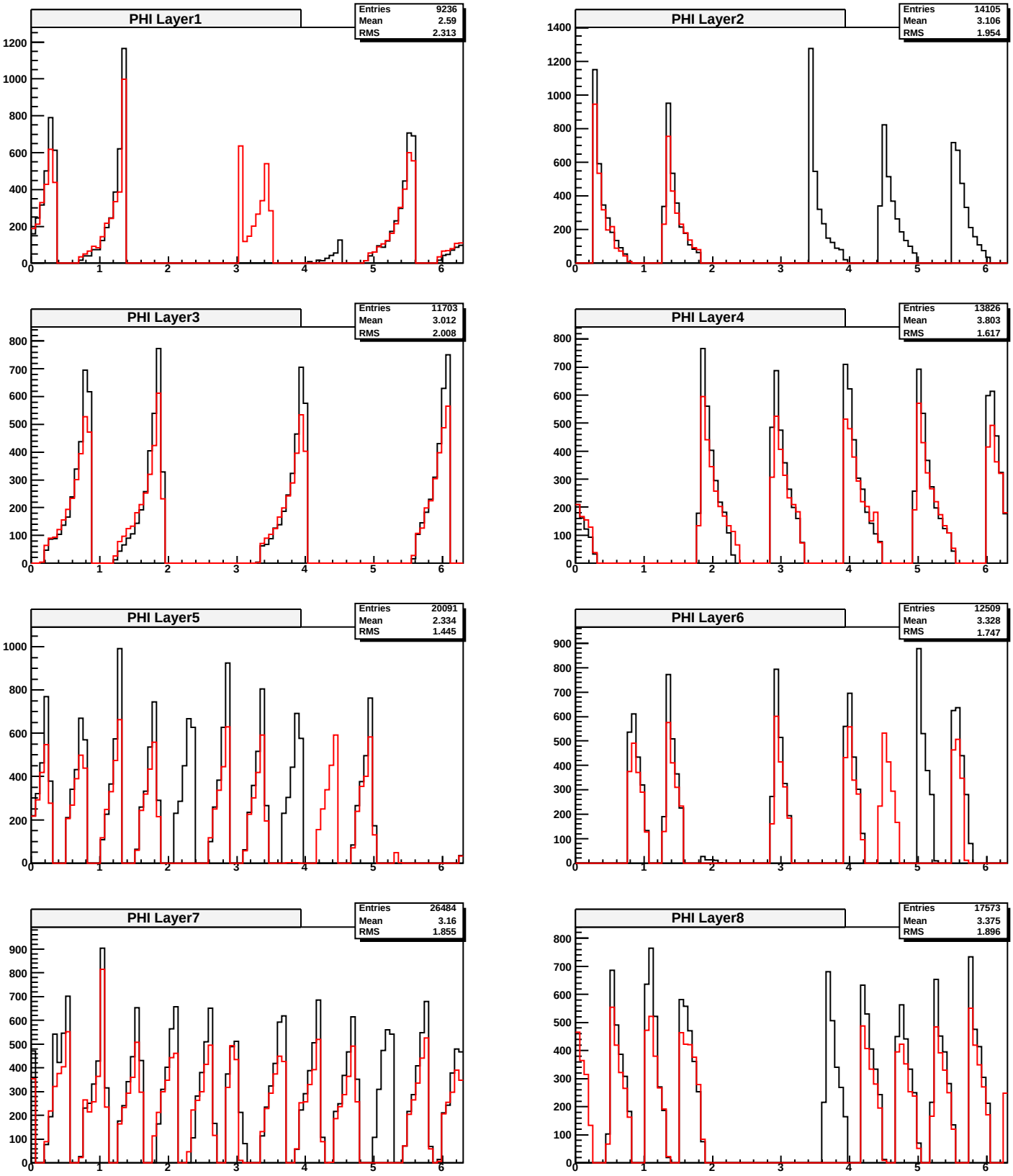
SmtClusters (ClustrBar1)



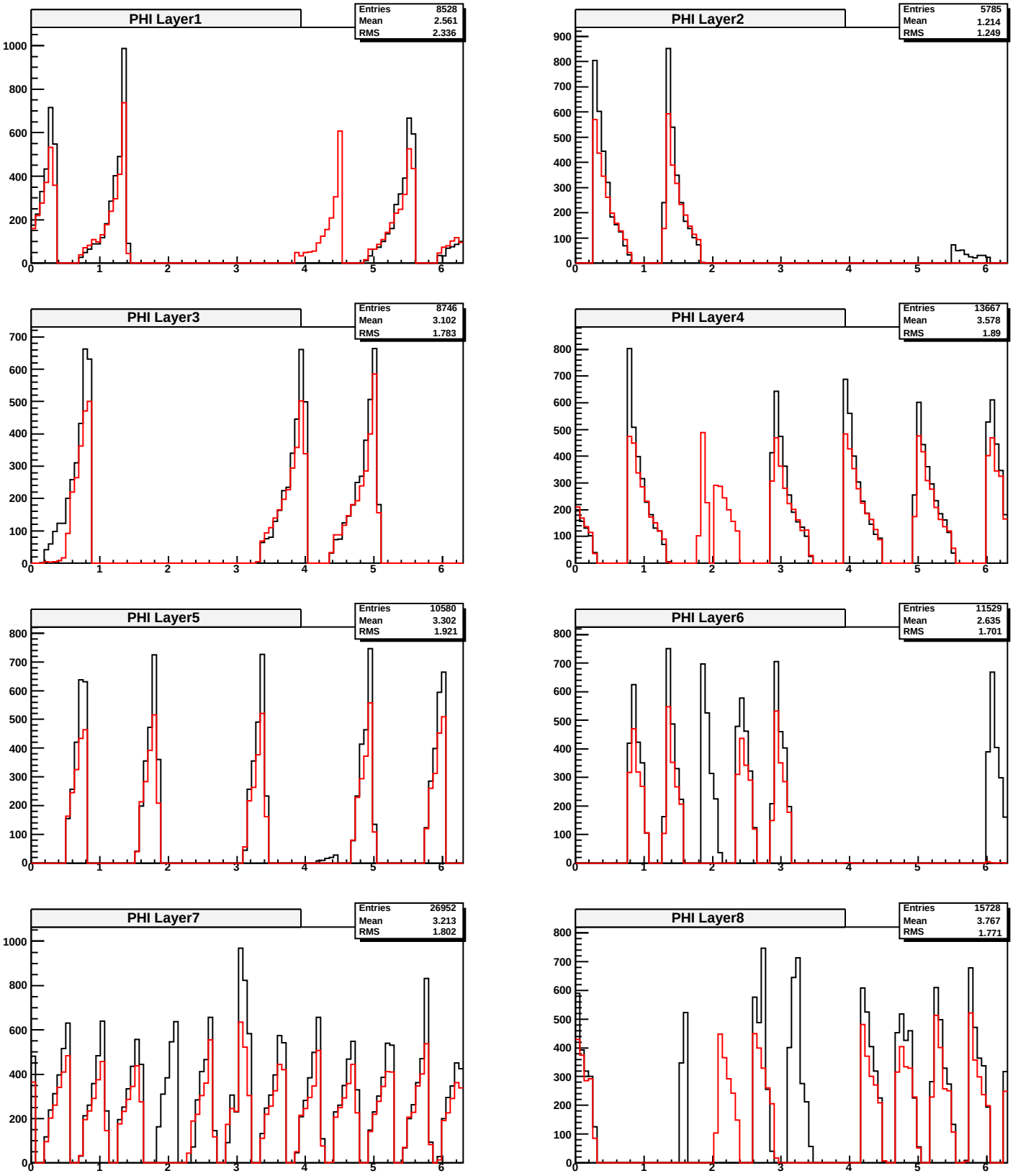
SmtClusters (ClustrBar2)



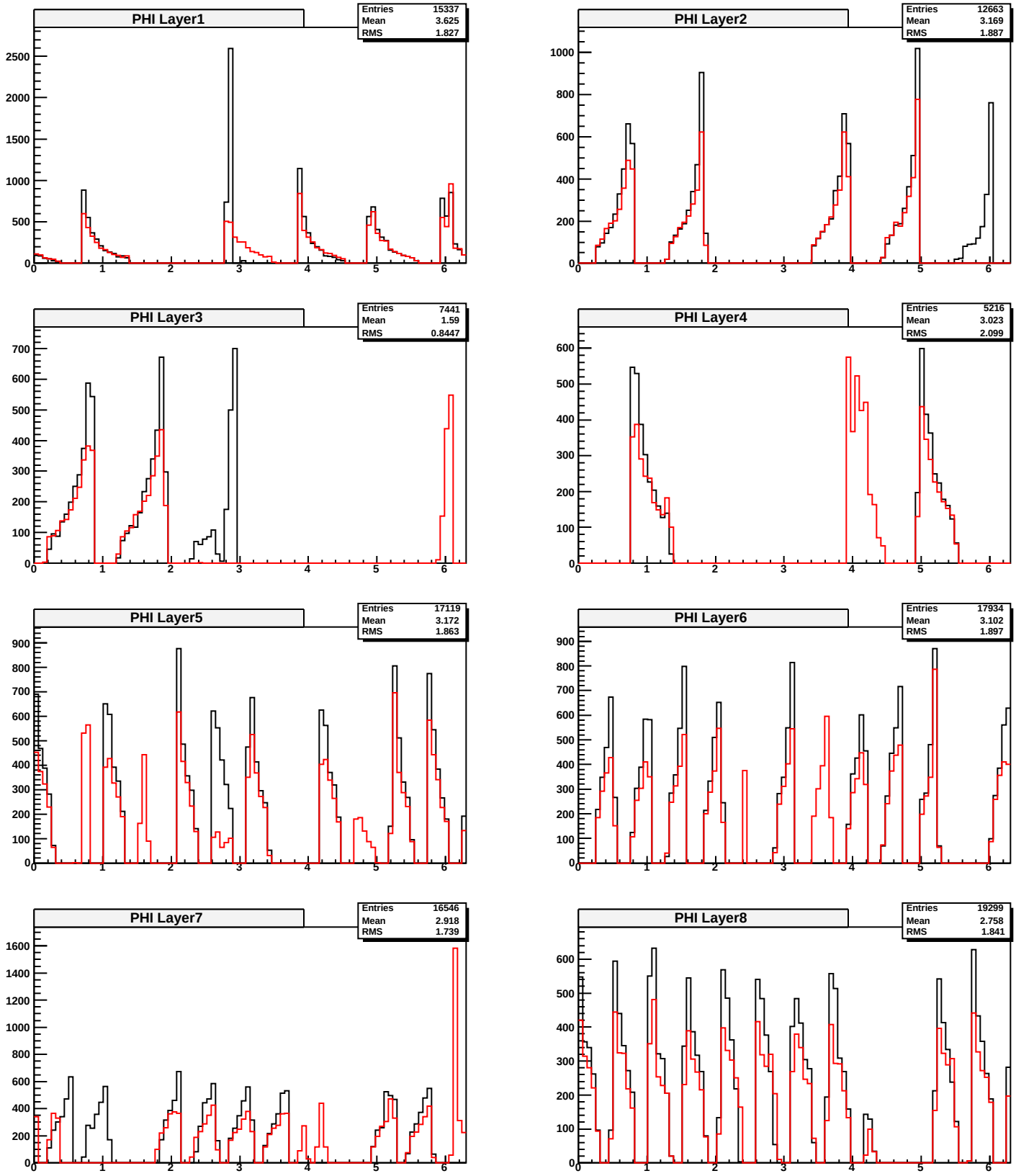
SmtClusters (ClustrBar3)



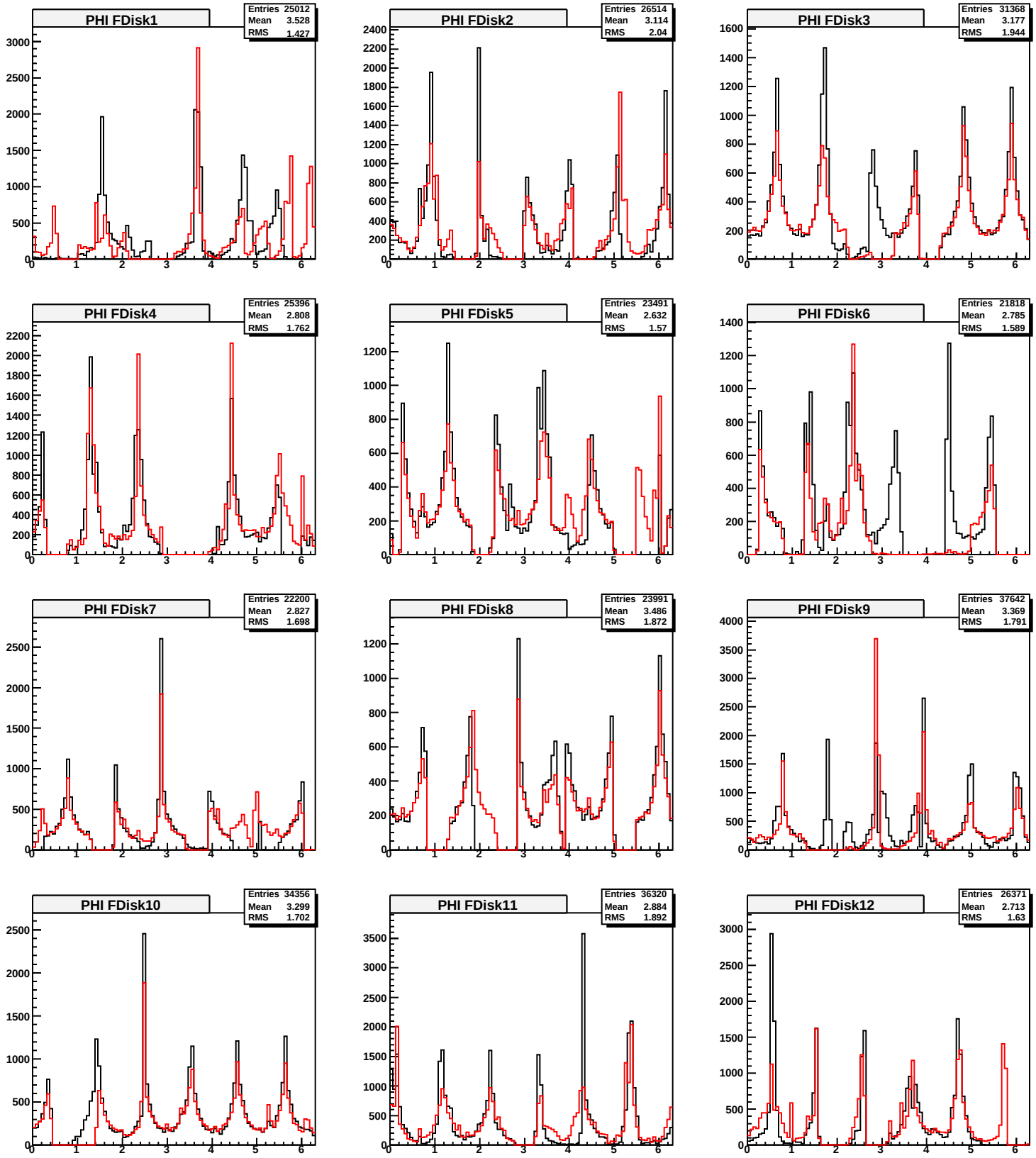
SmtClusters (ClustrBar4)



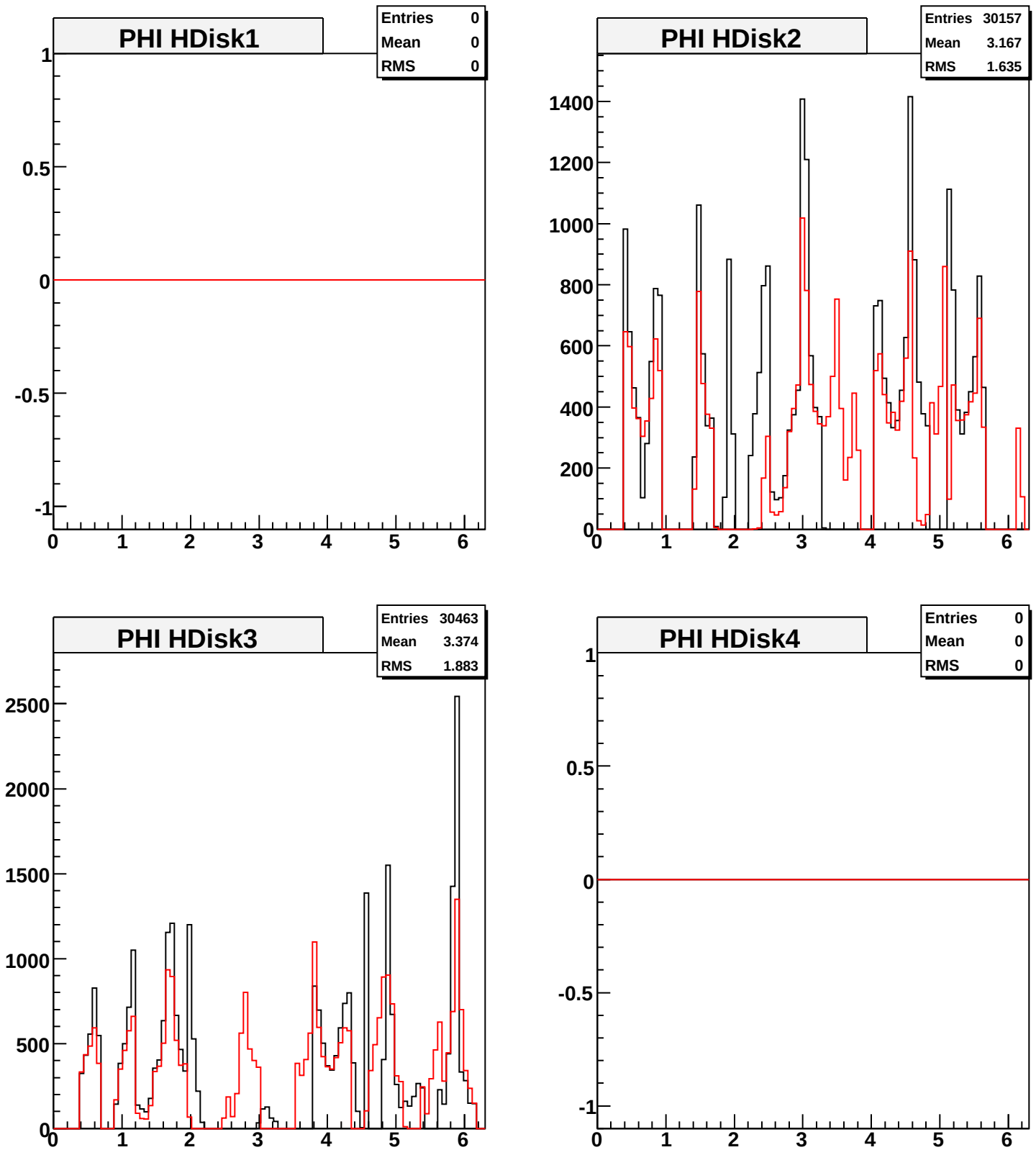
SmtClusters (ClustrBar5)



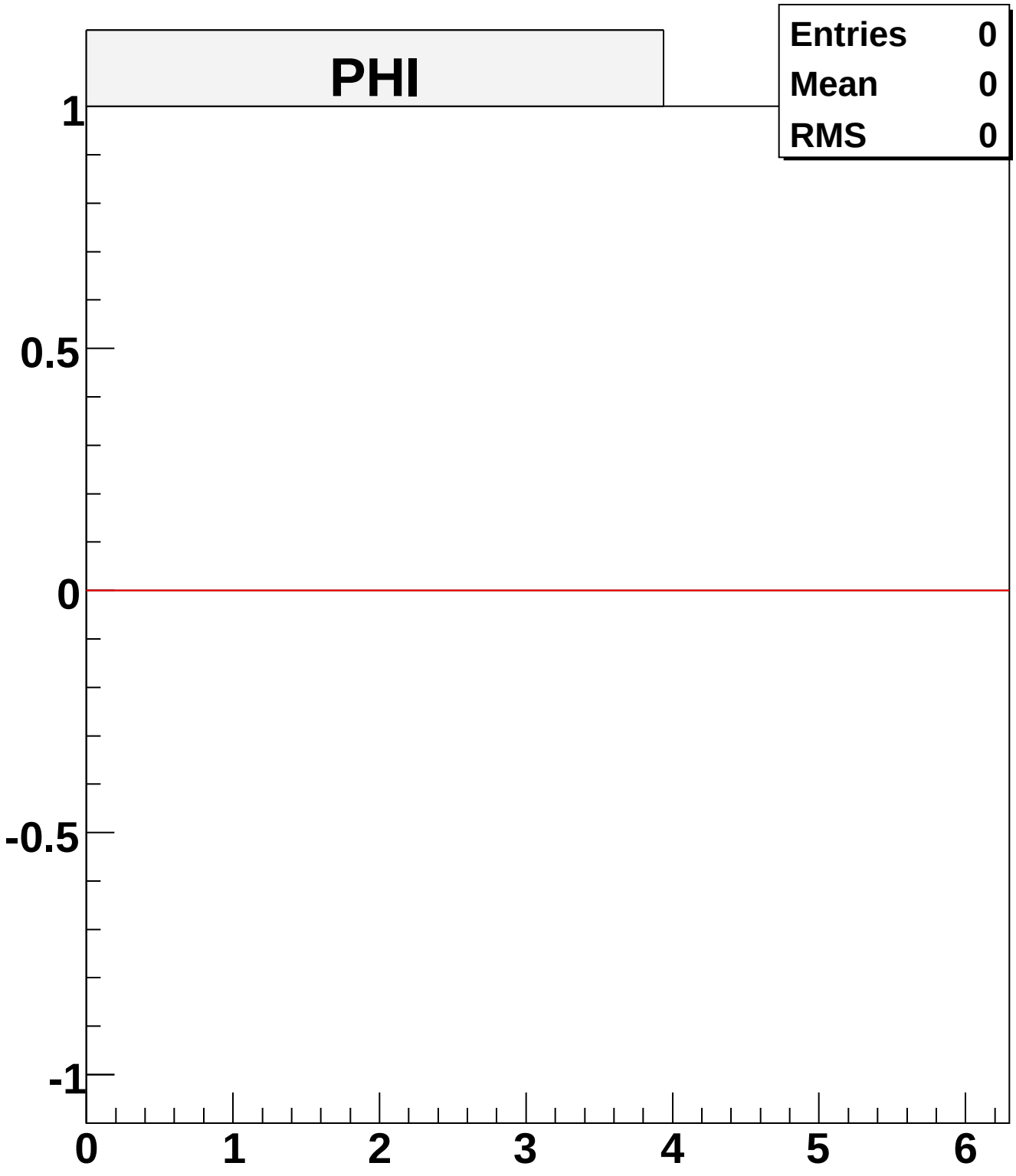
SmtClusters (ClustrBar6)



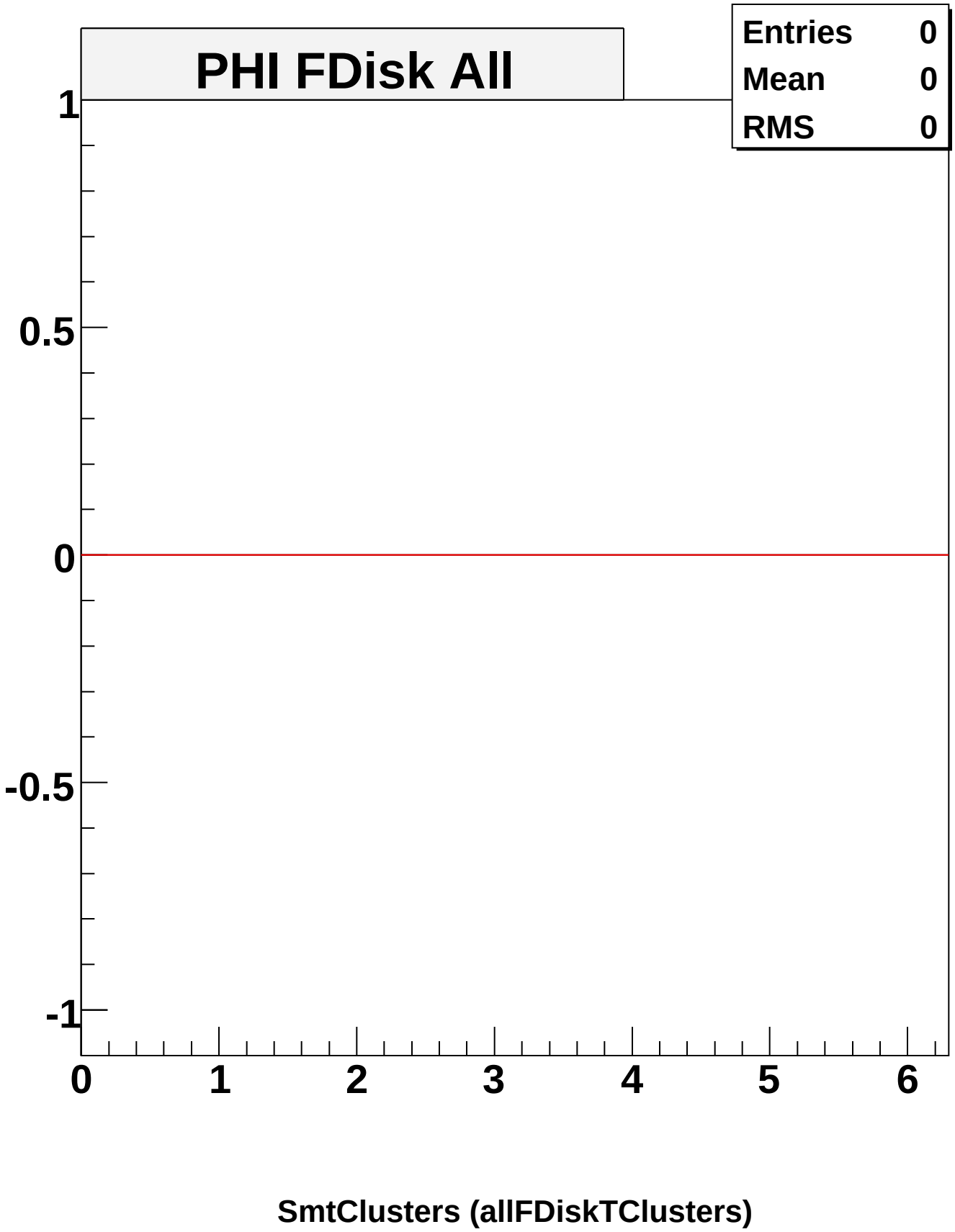
SmtClusters (FDiskClusters)

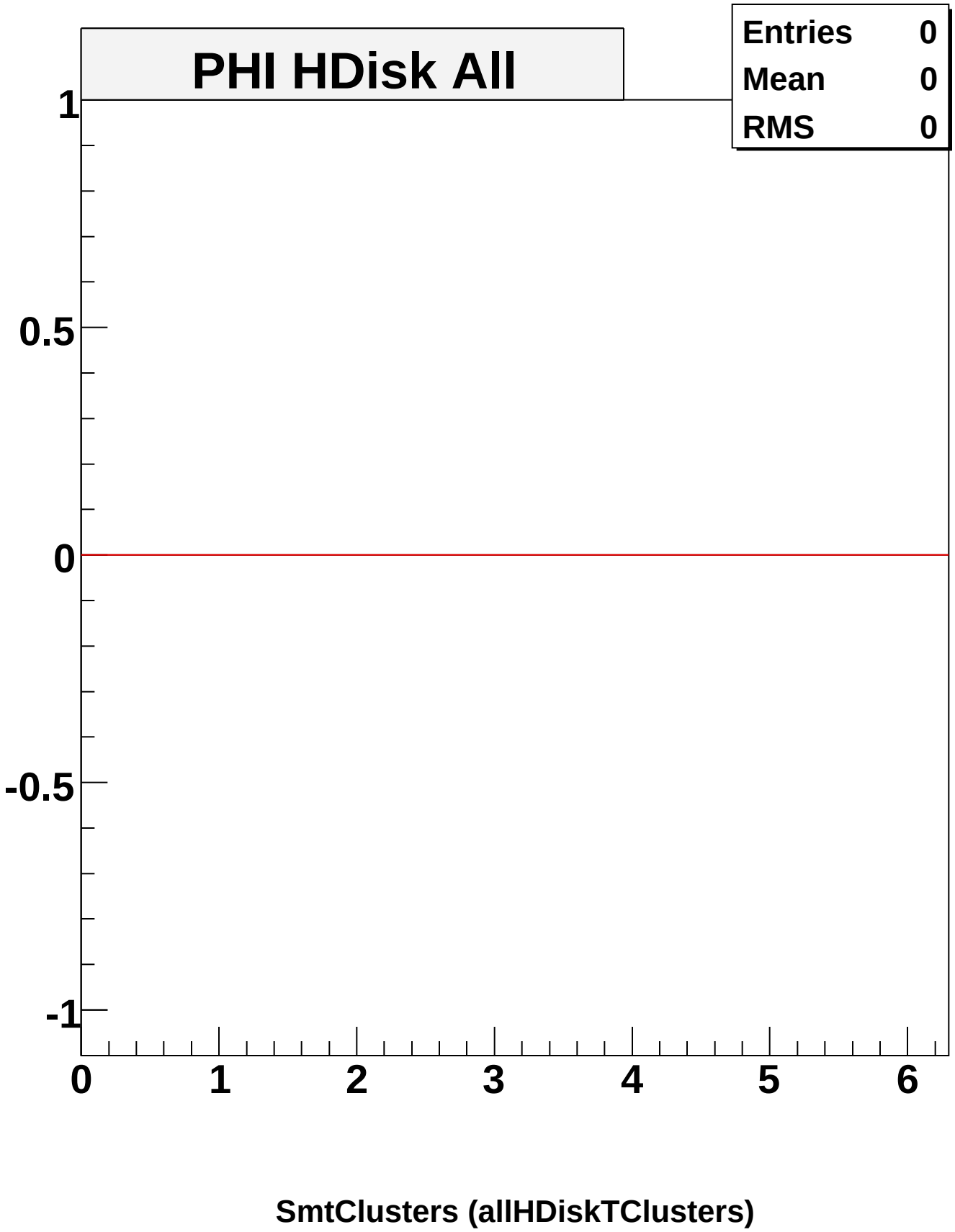


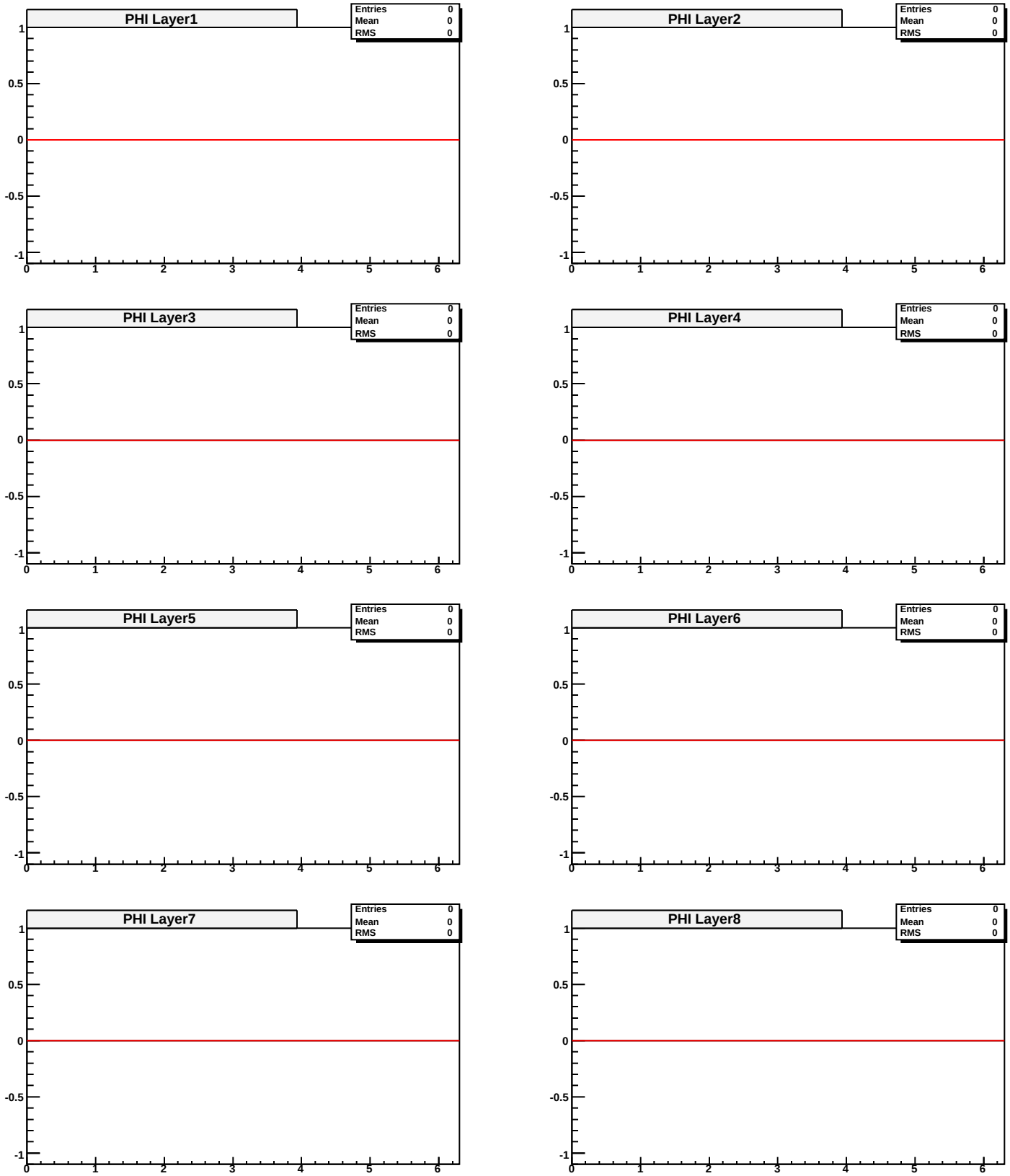
SmtClusters (HDiskClusters)



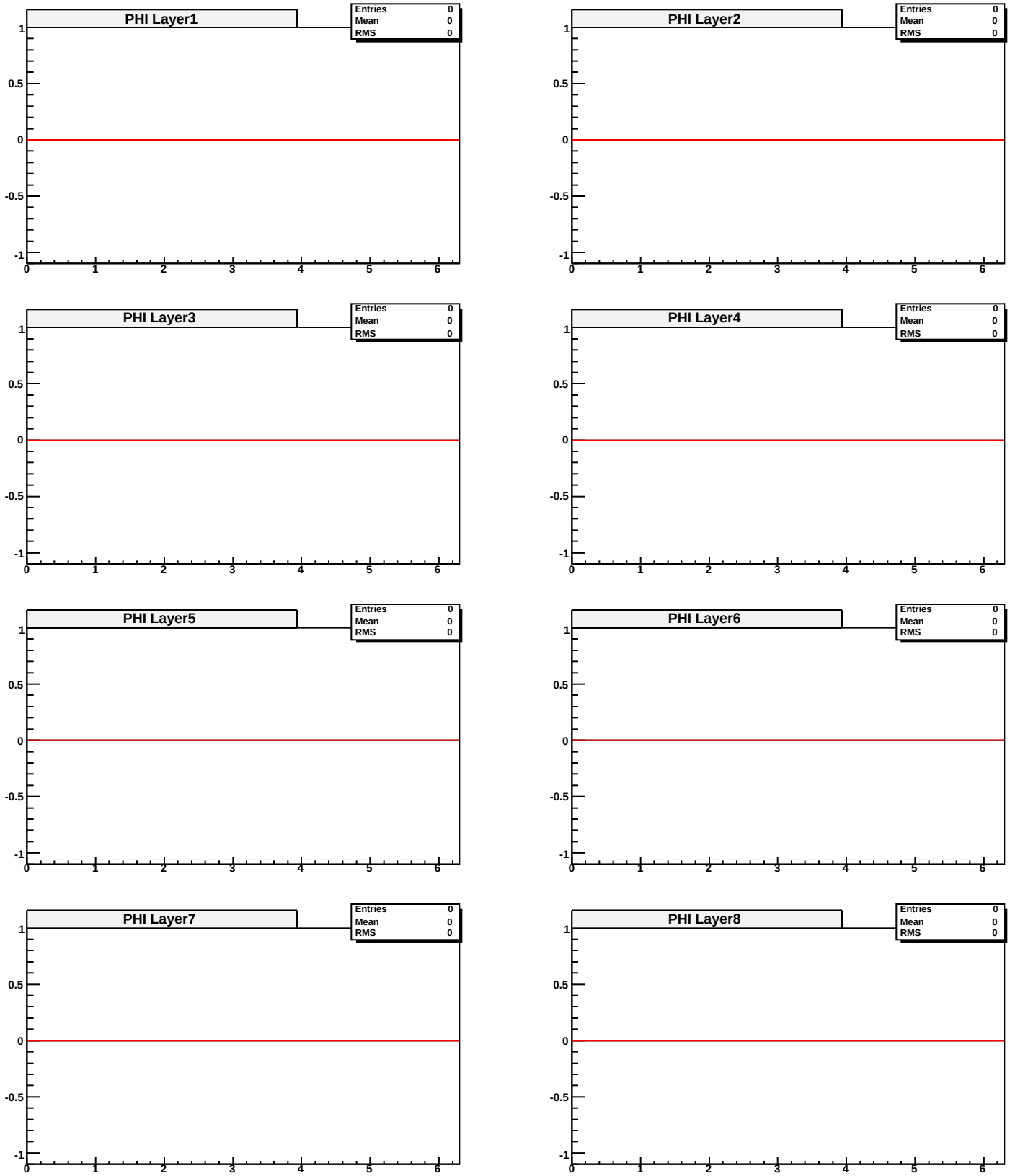
SmtClusters (allBarTClusters)


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)

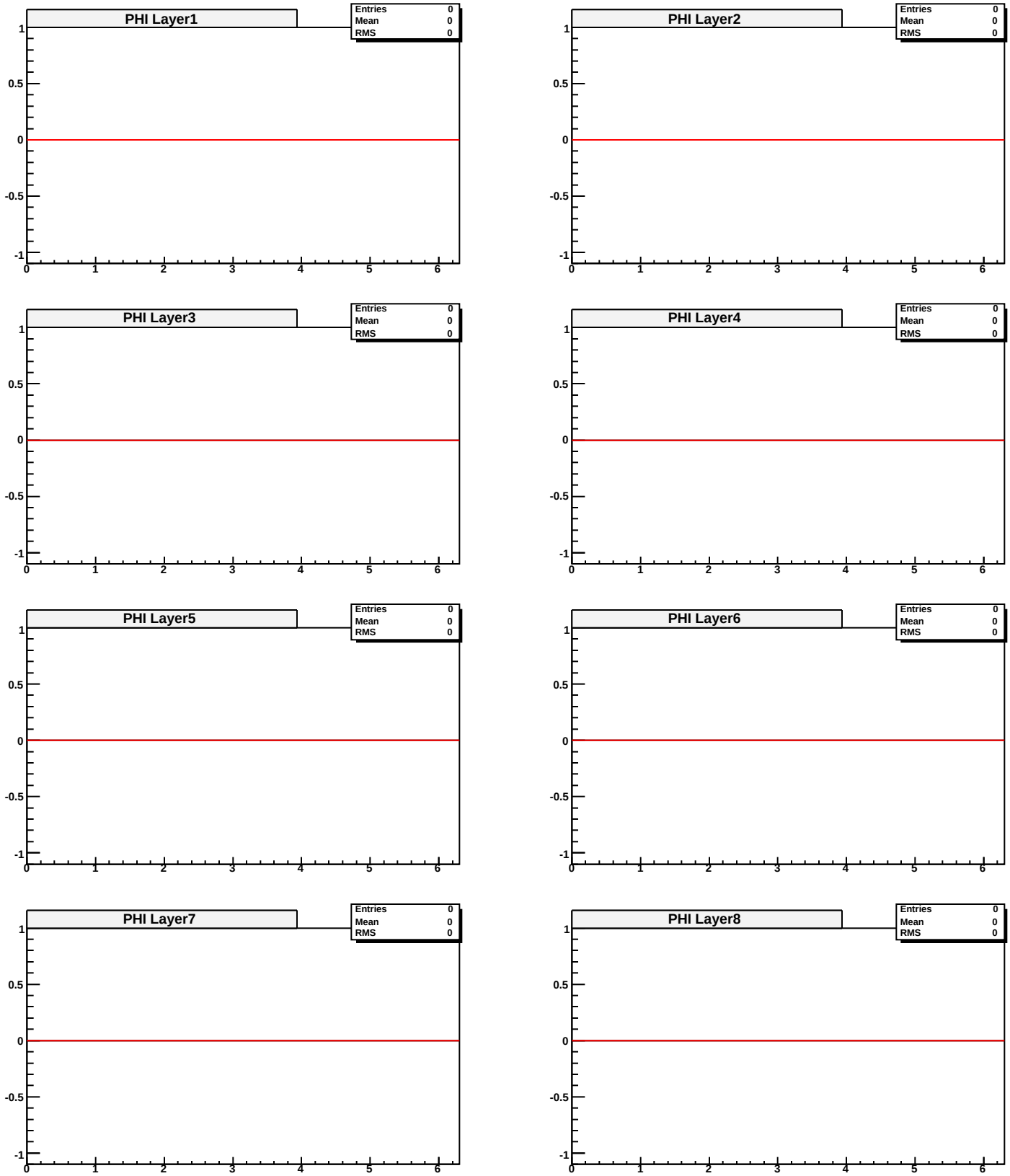

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



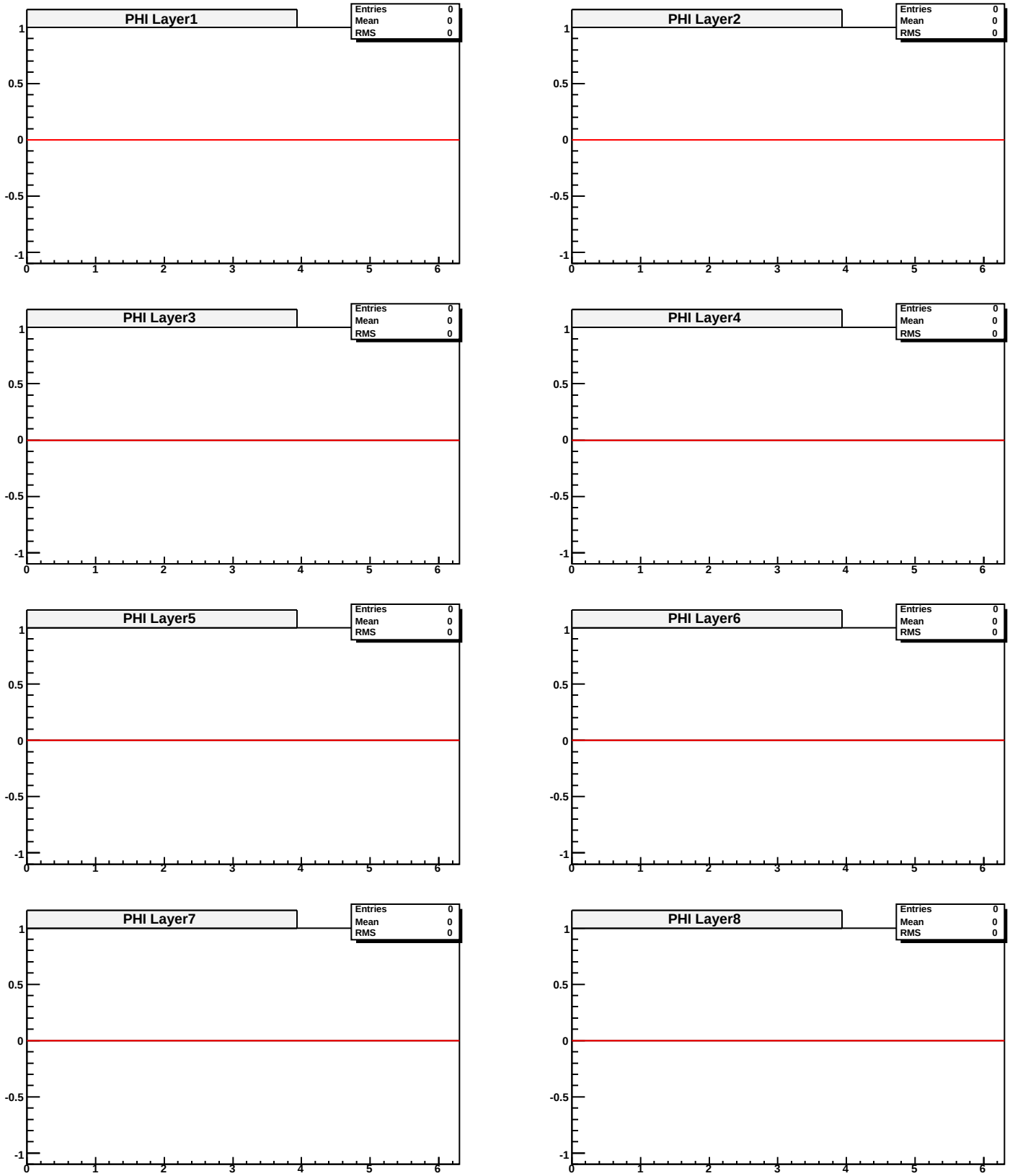
SmtClusters (TClustrBar1)



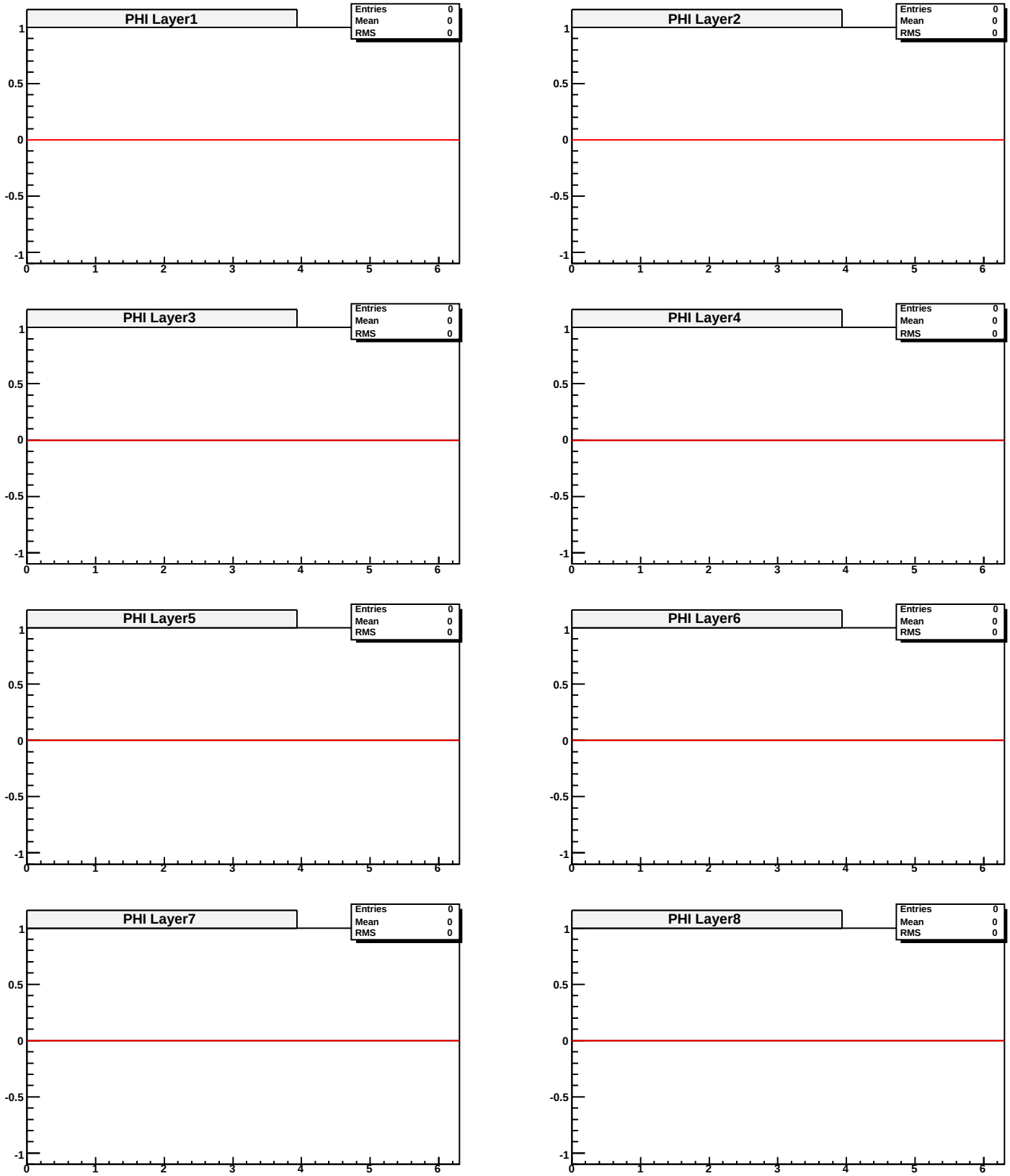
SmtClusters (TClustrBar2)



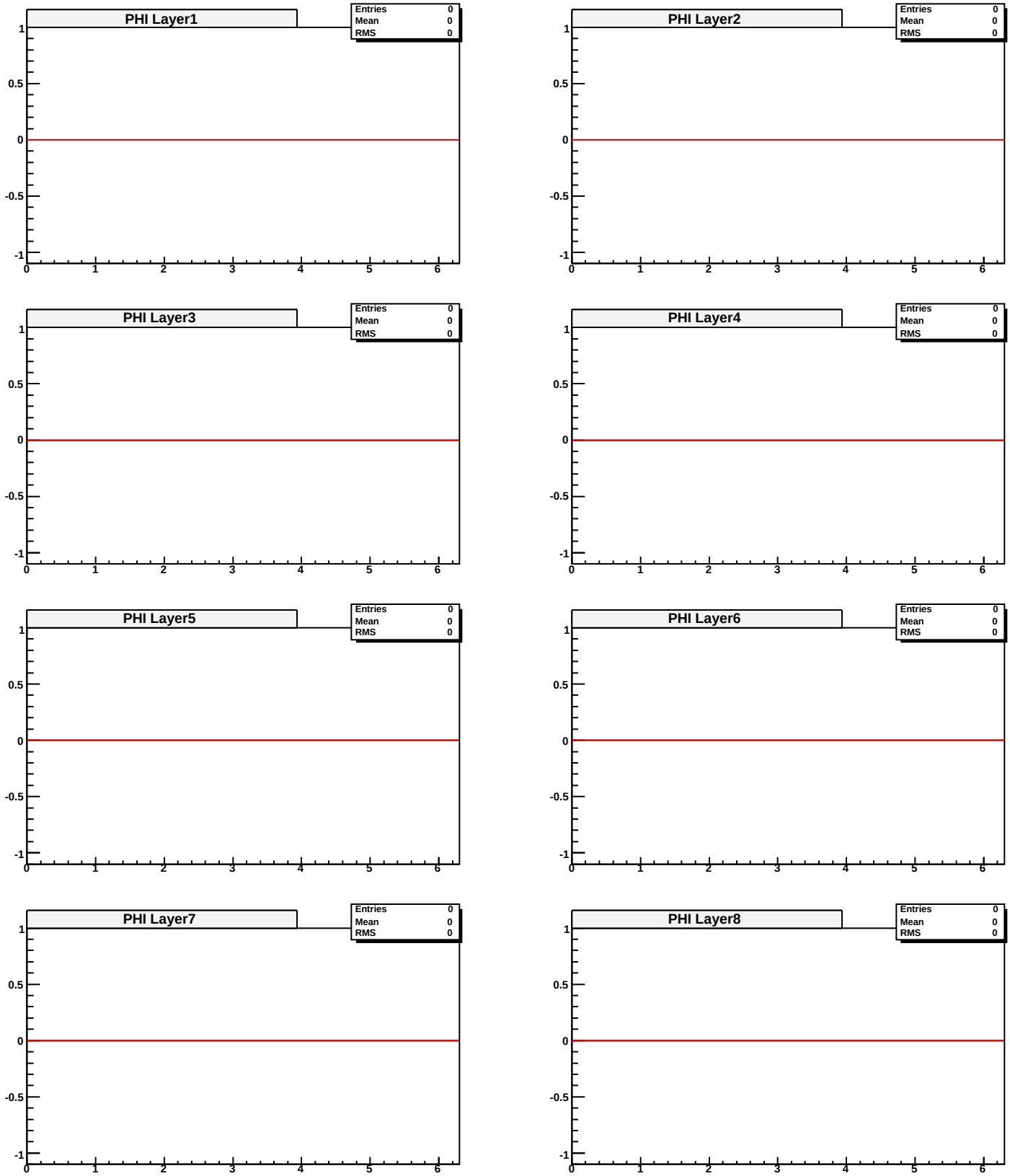
SmtClusters (TClustrBar3)



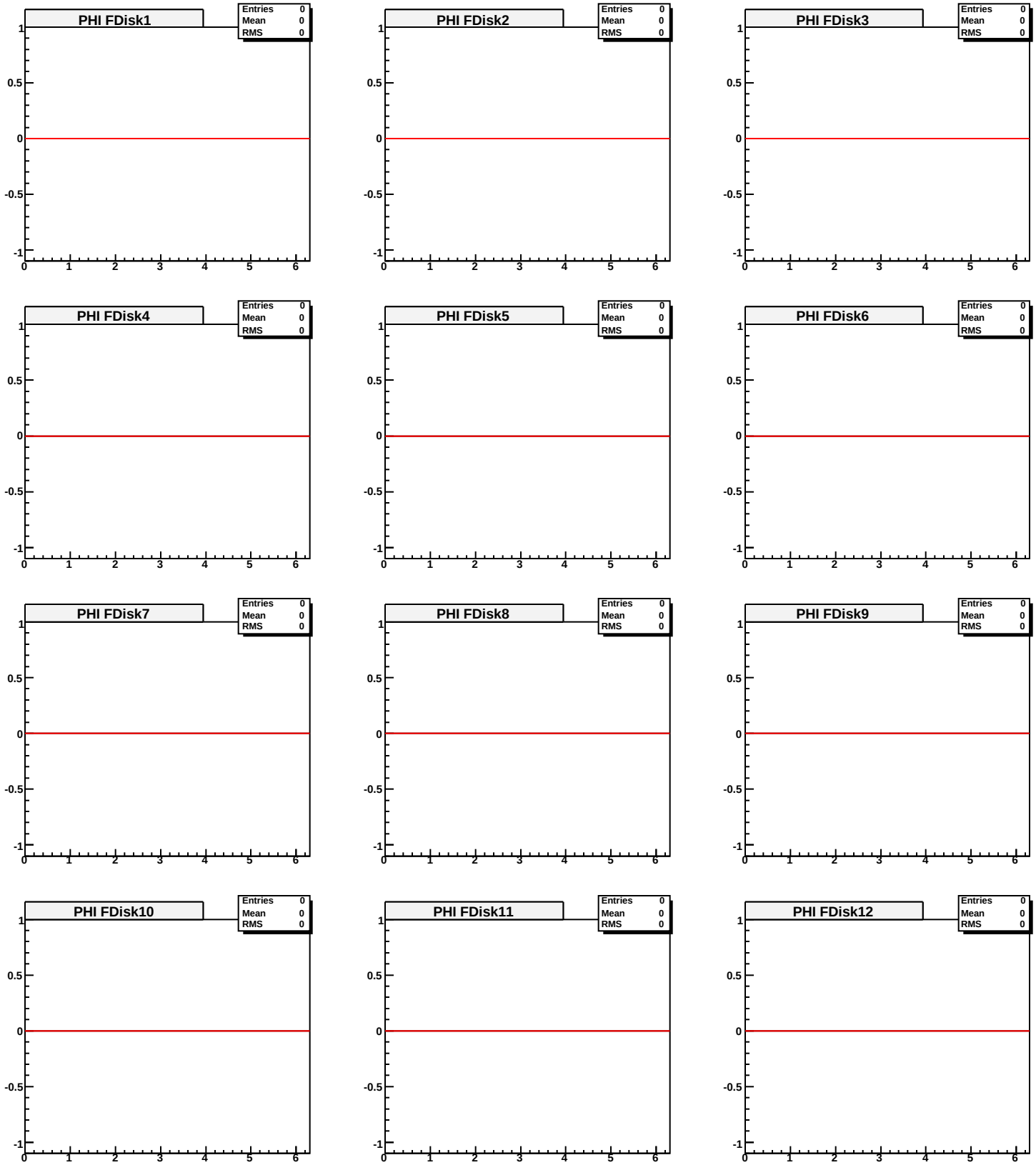
SmtClusters (TClustrBar4)



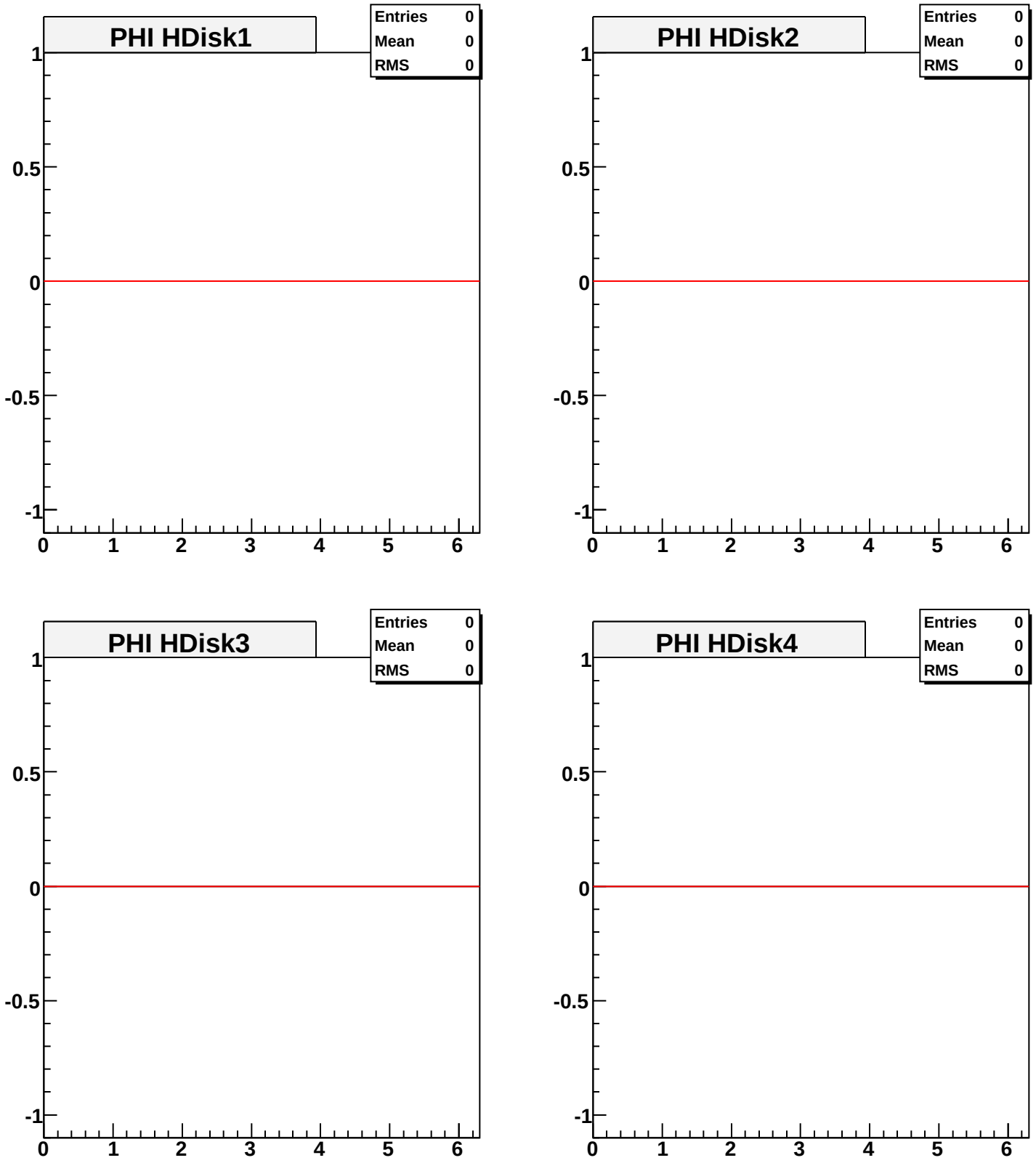
SmtClusters (TClustrBar5)



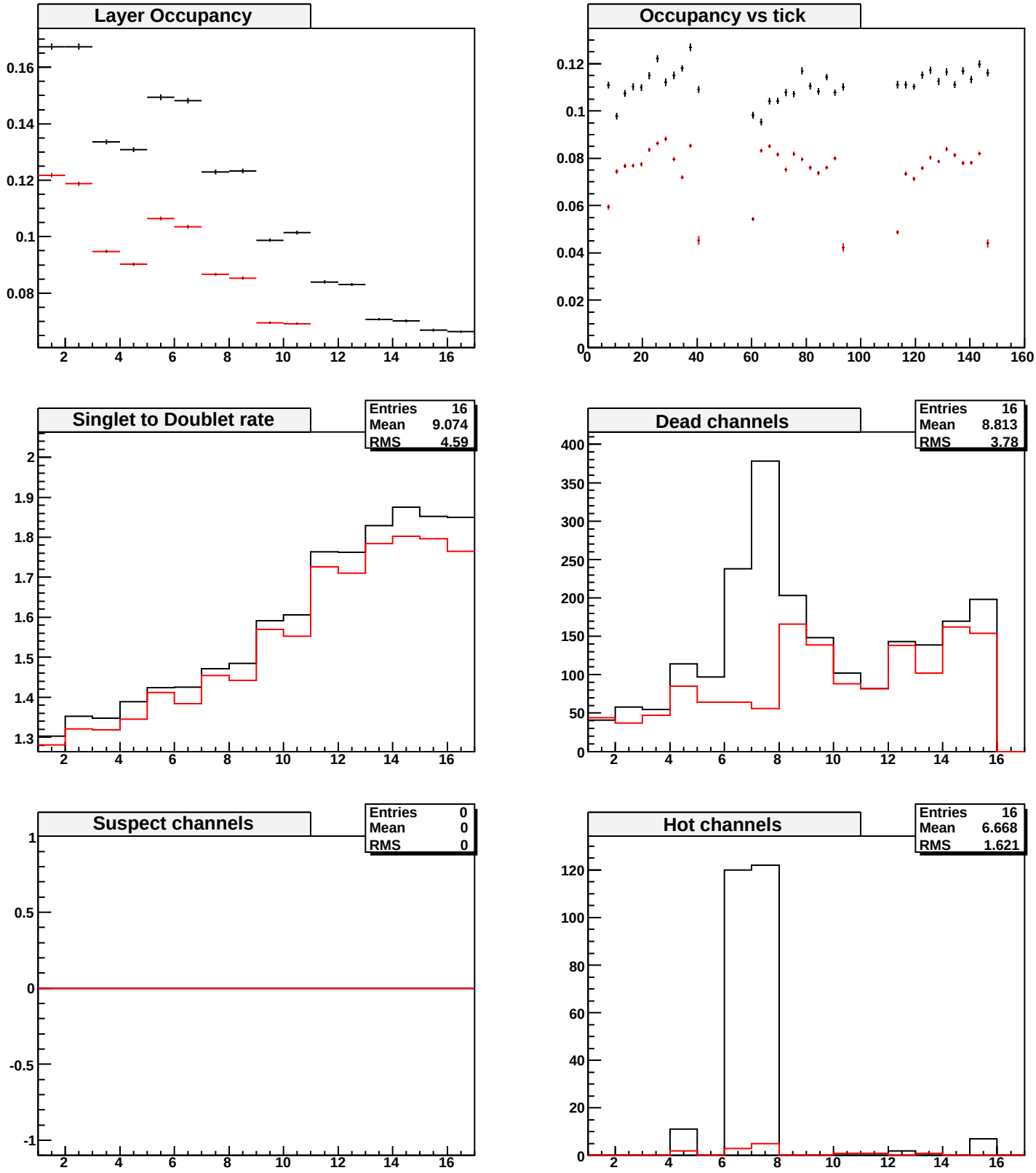
SmtClusters (TClustrBar6)



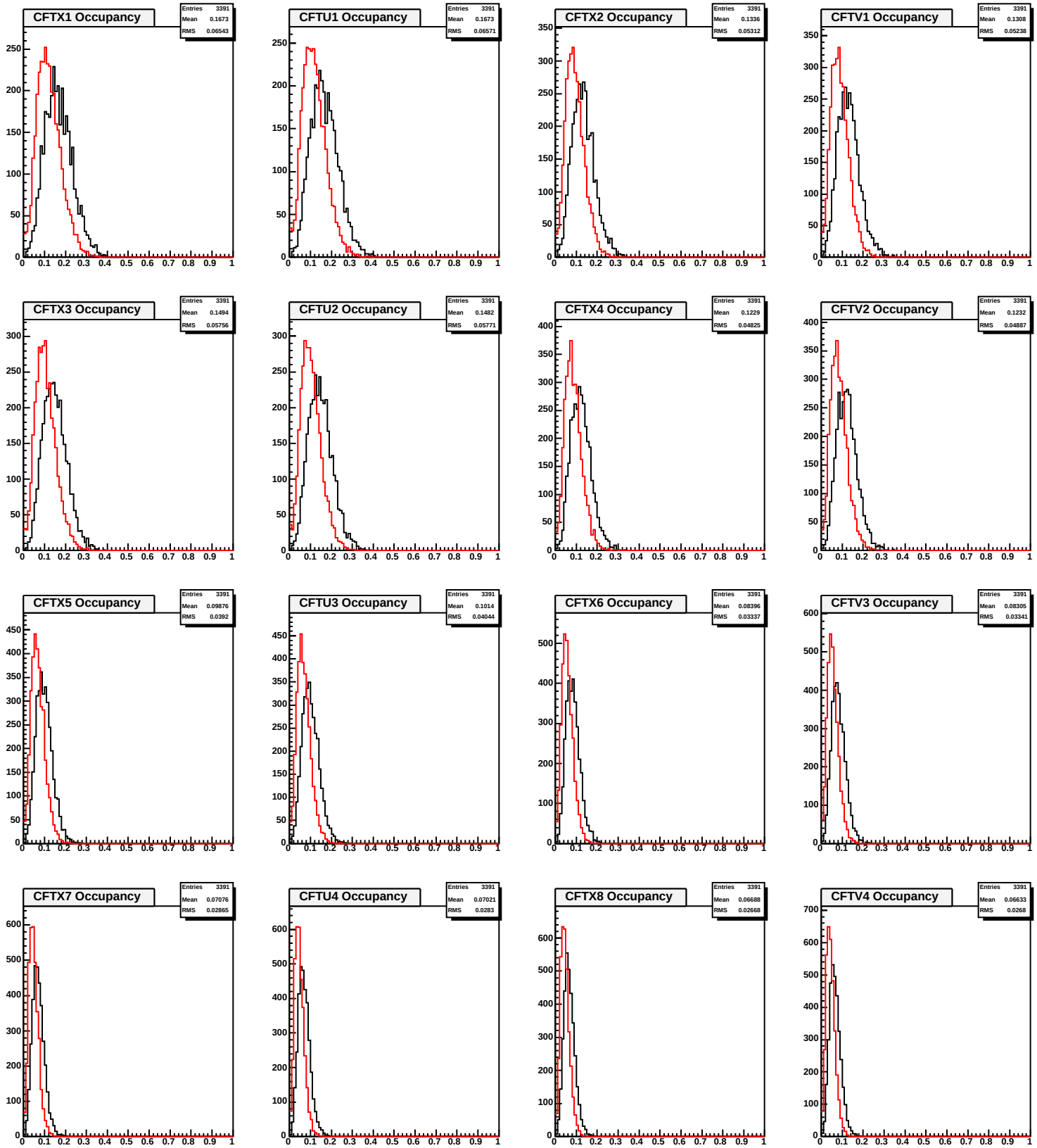
SmtClusters (FDiskTClusters)



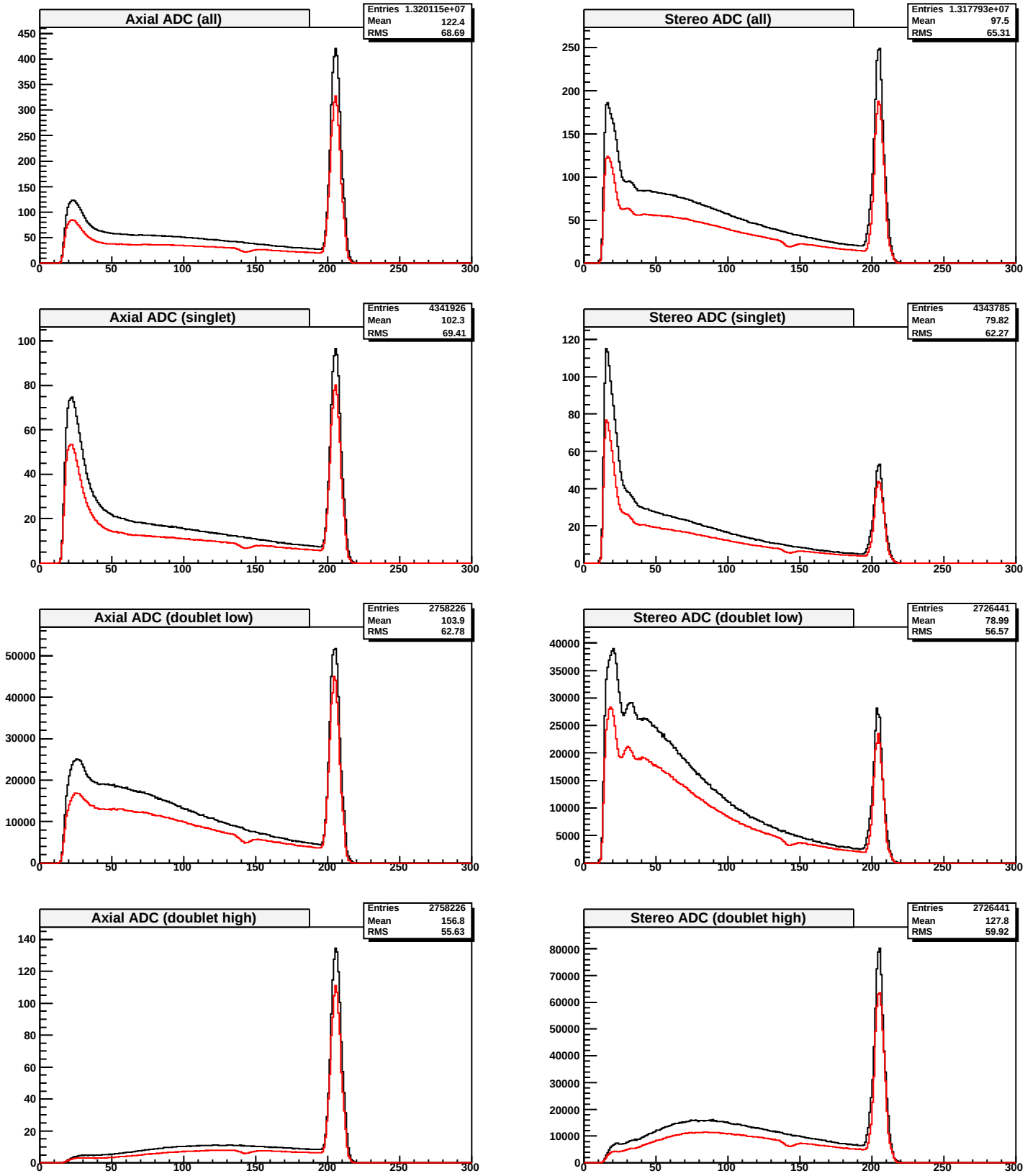
SmtClusters (HDiskTClusters)



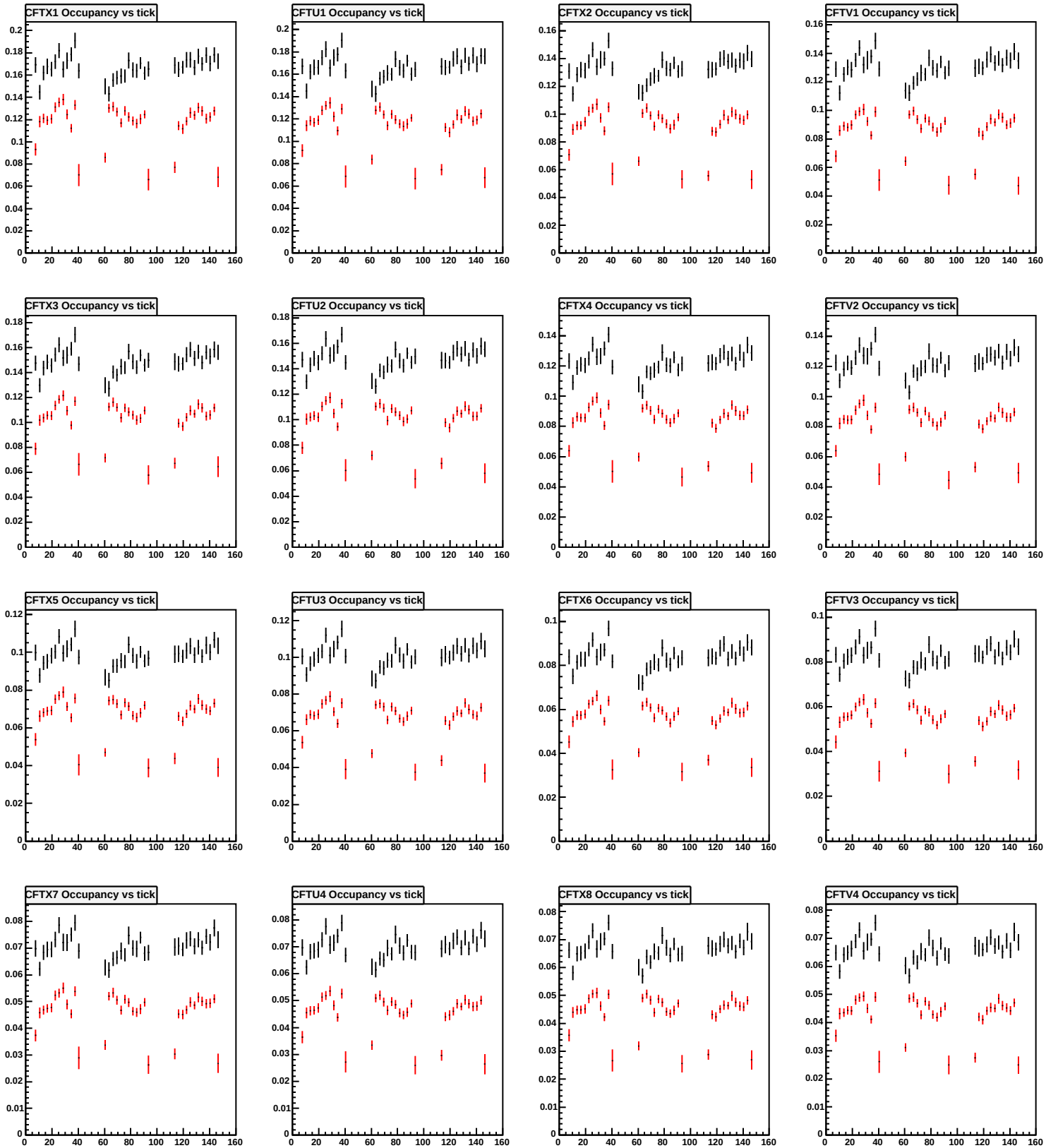
CFT Summary (All Clusters)



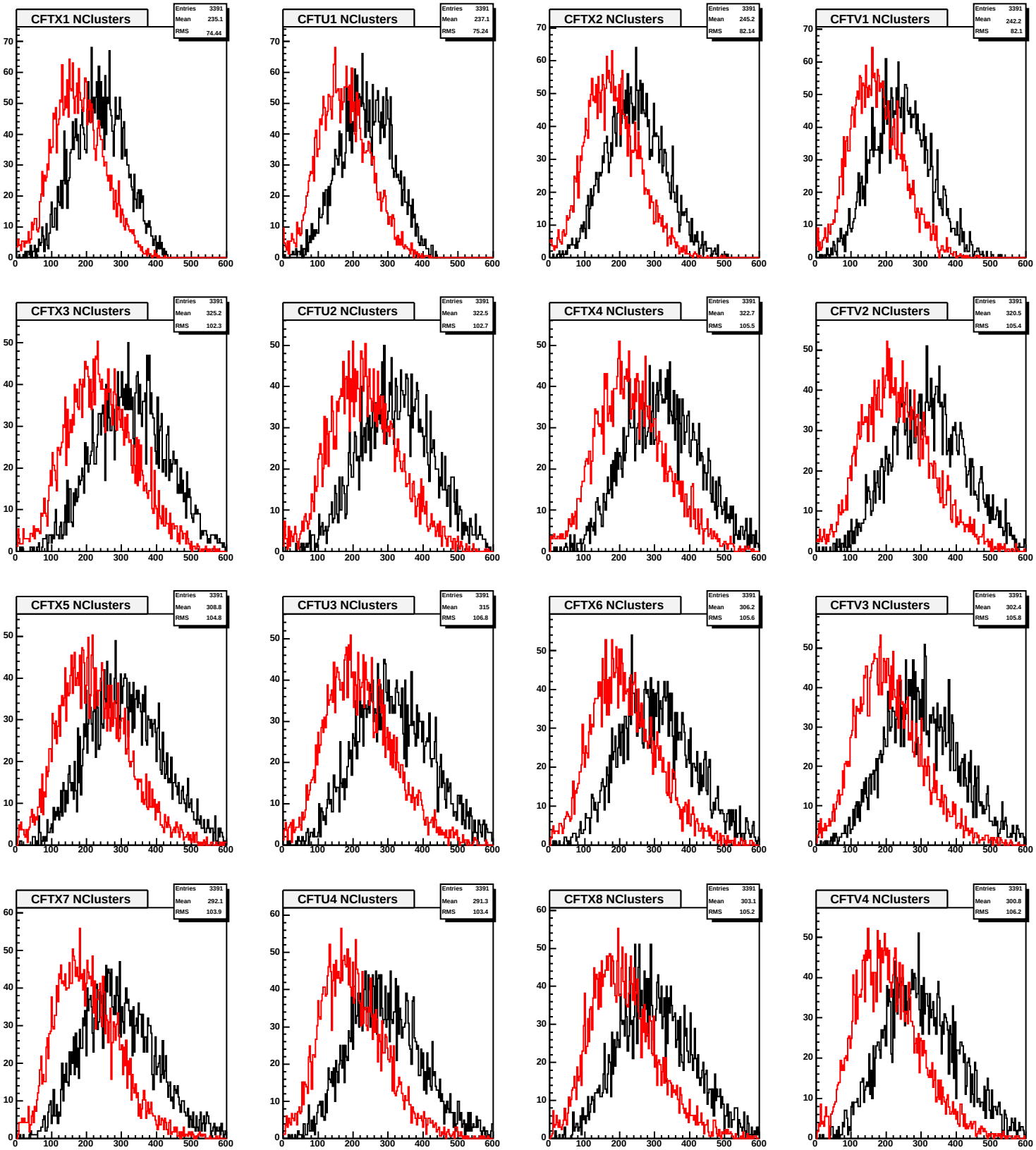
CFT Occupancy (All Clusters)



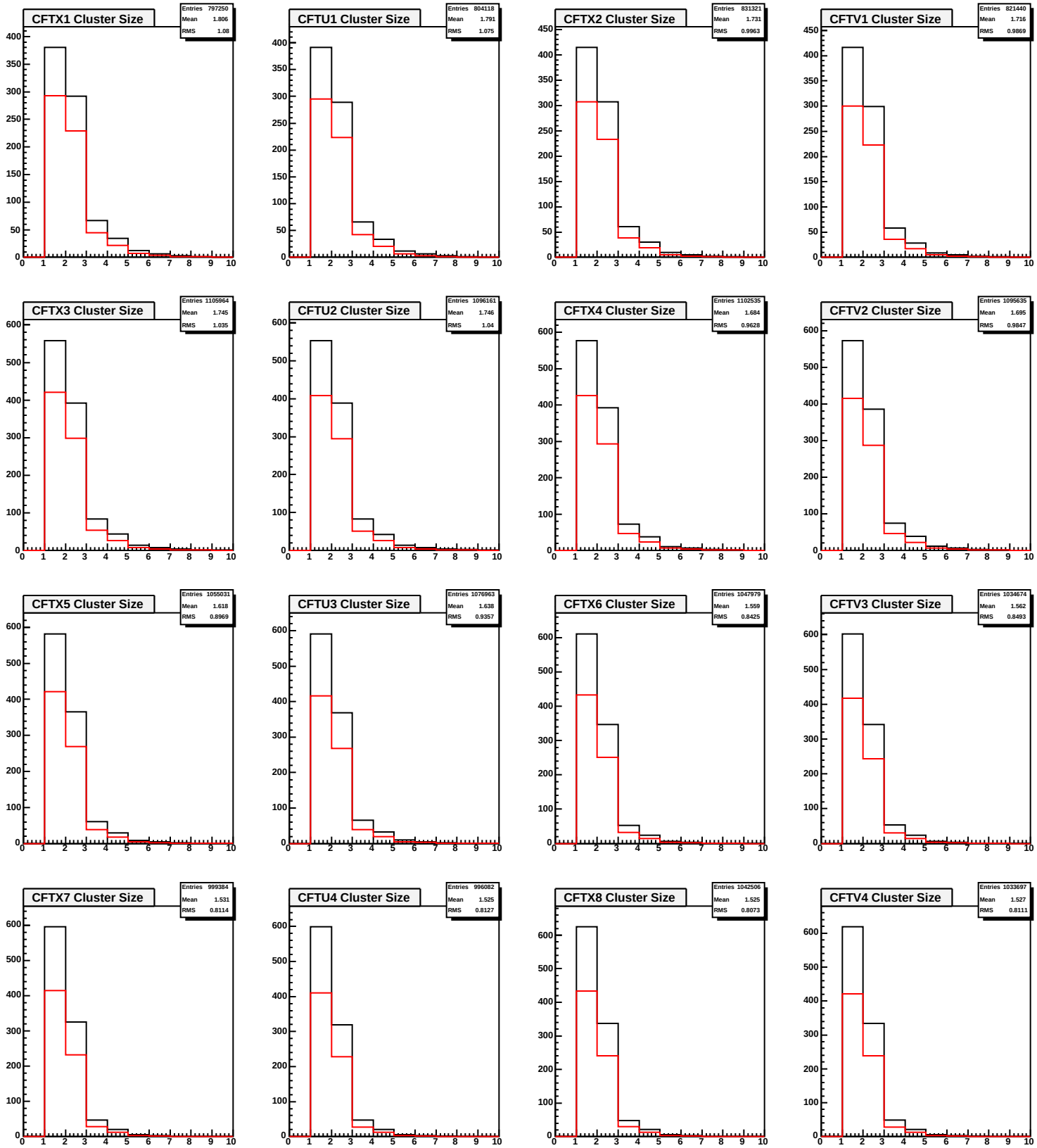
CFT ADC Summary (All Clusters)



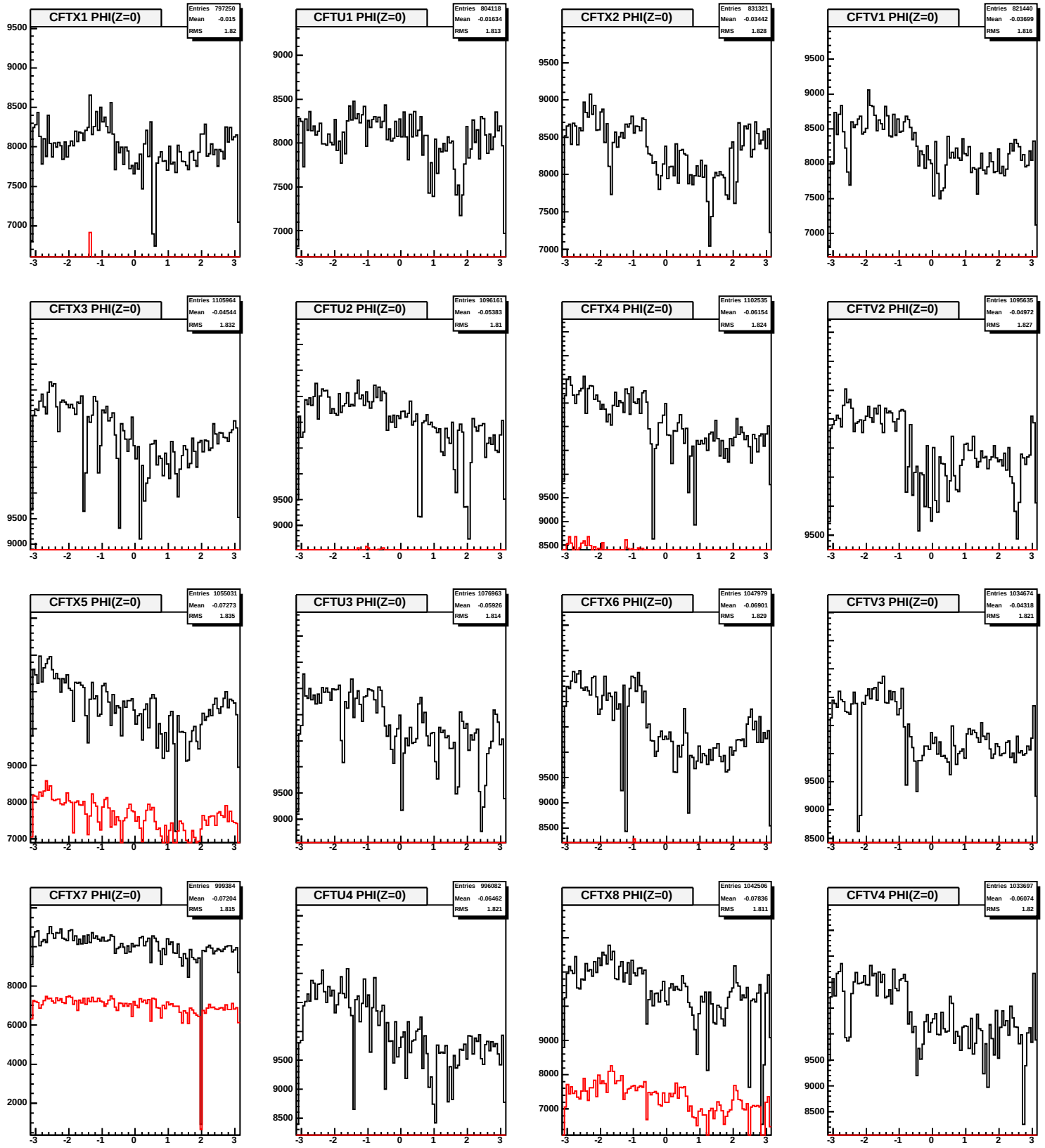
CFT Occupancy vs Tick (All Clusters)



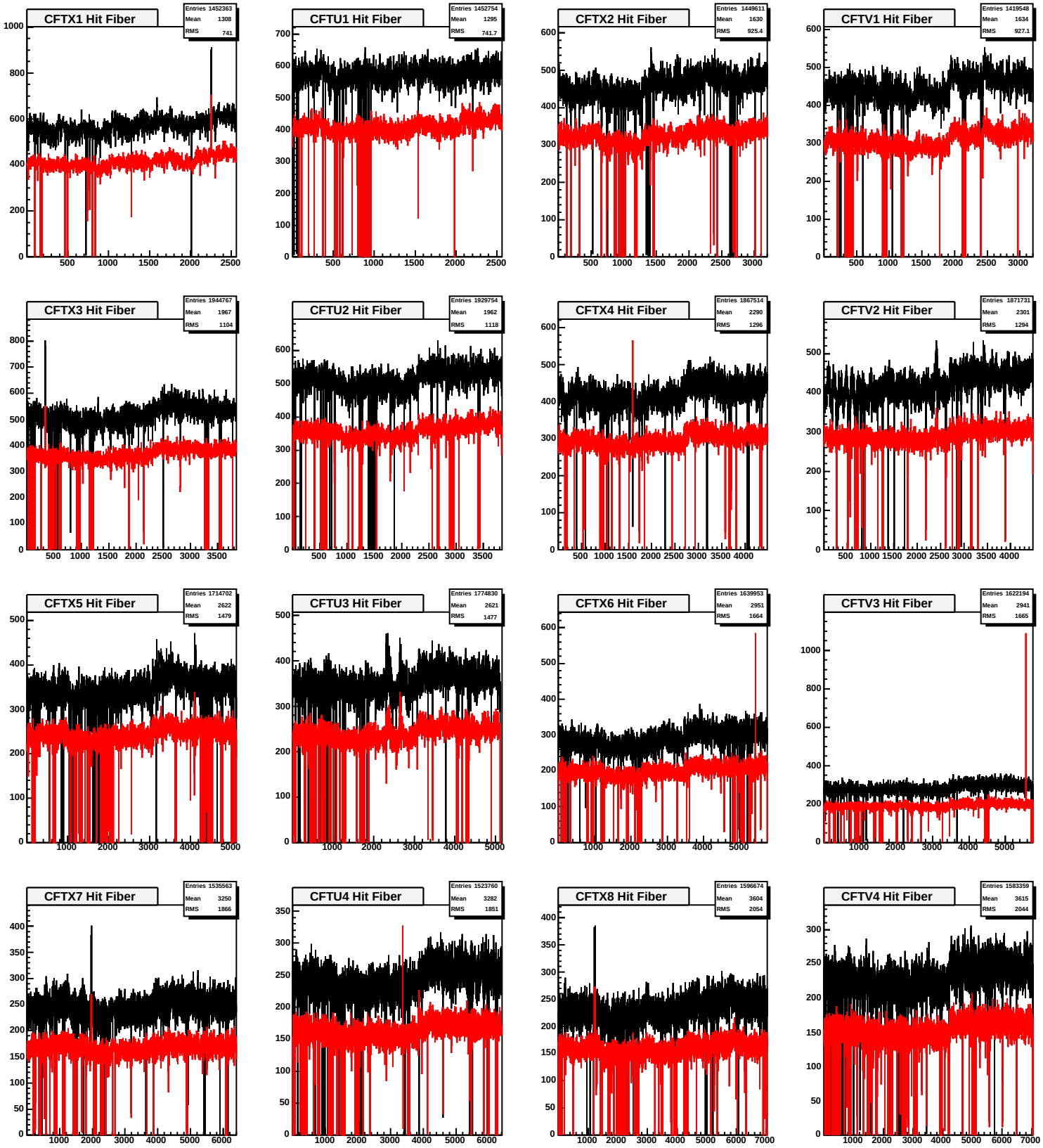
CFT NClusters (All Clusters)



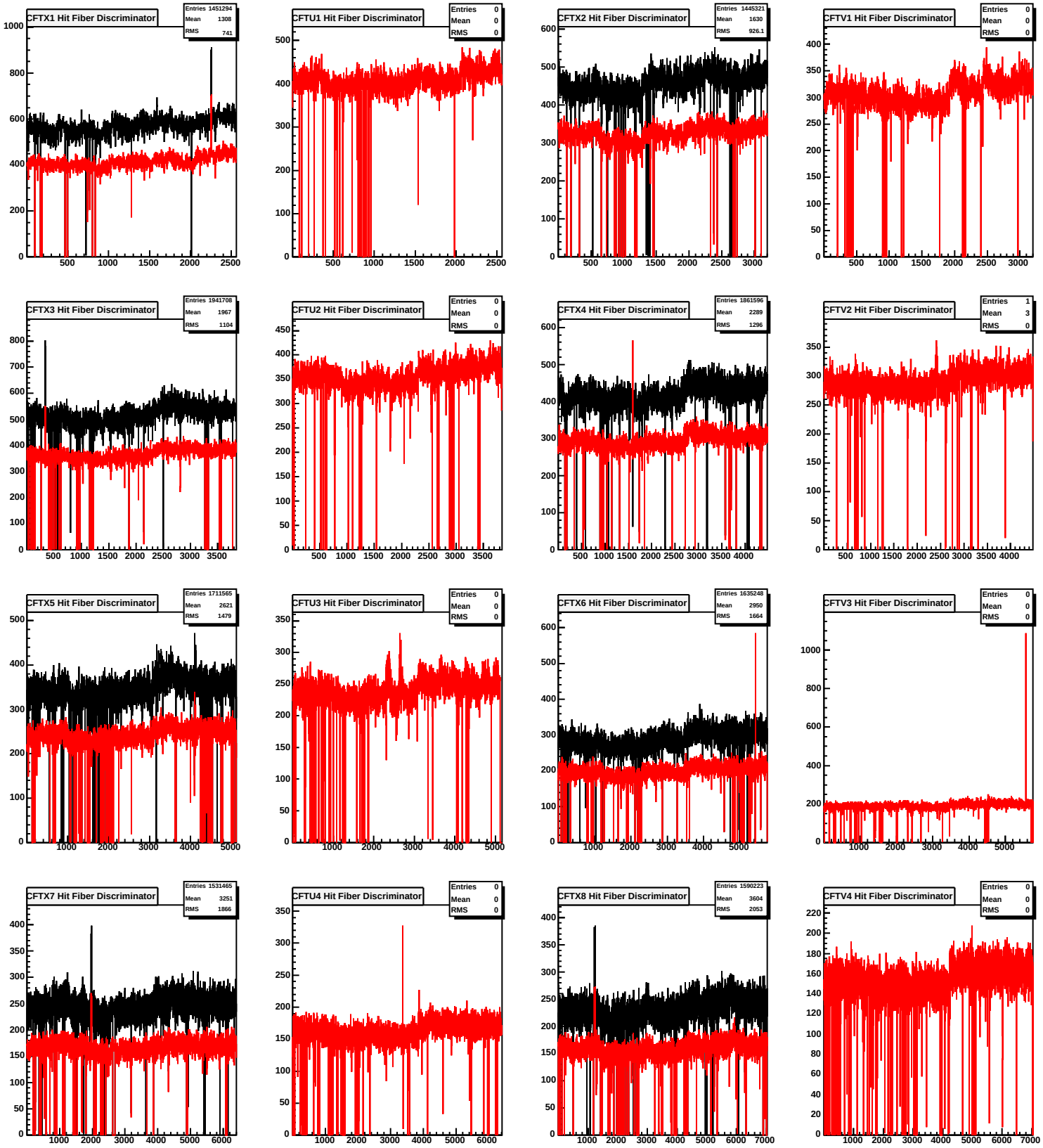
CFT Cluster Size (All Clusters)



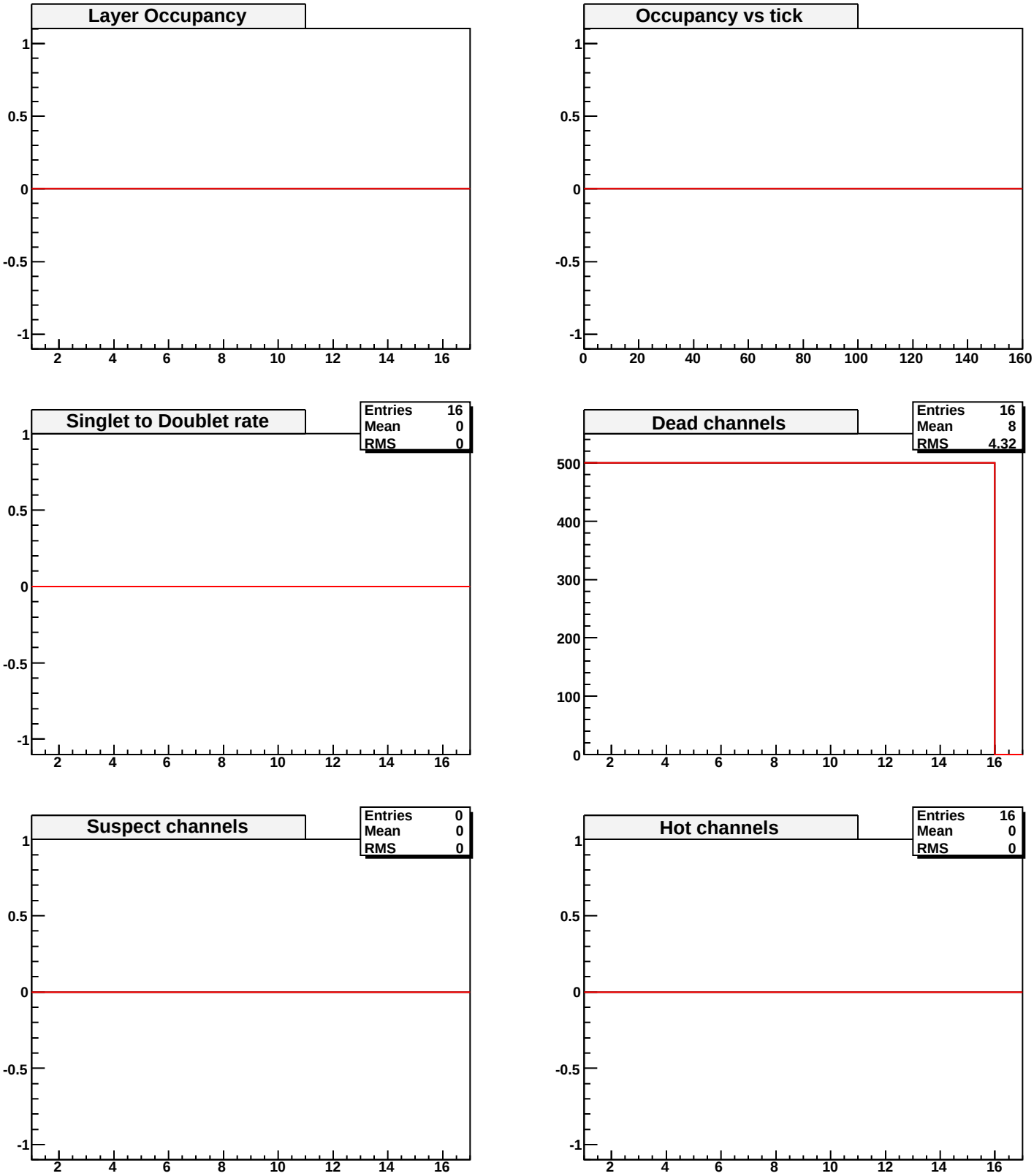
CFT PHI(Z=0) (All Clusters)



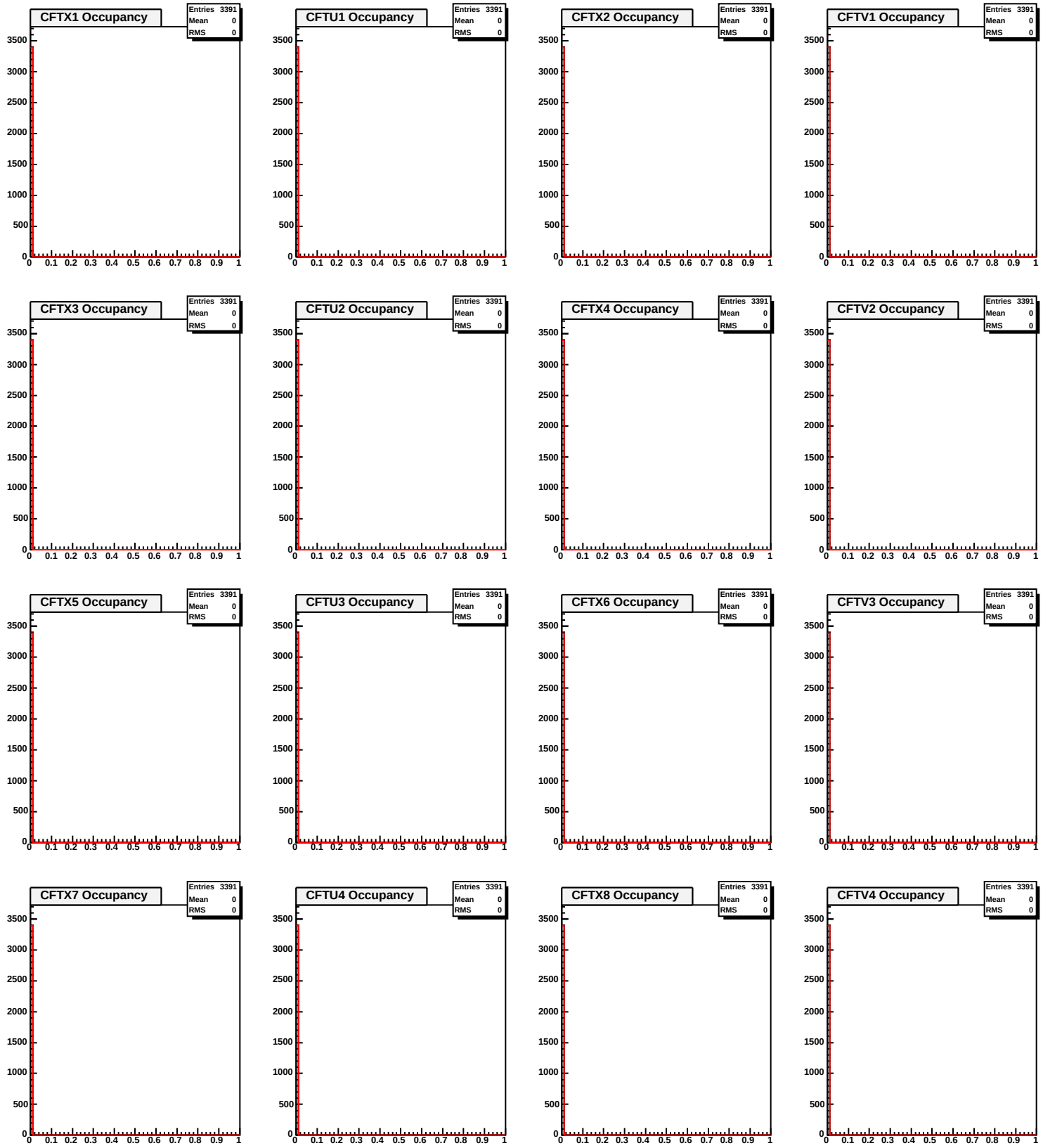
CFT Hit Fiber (All Clusters)



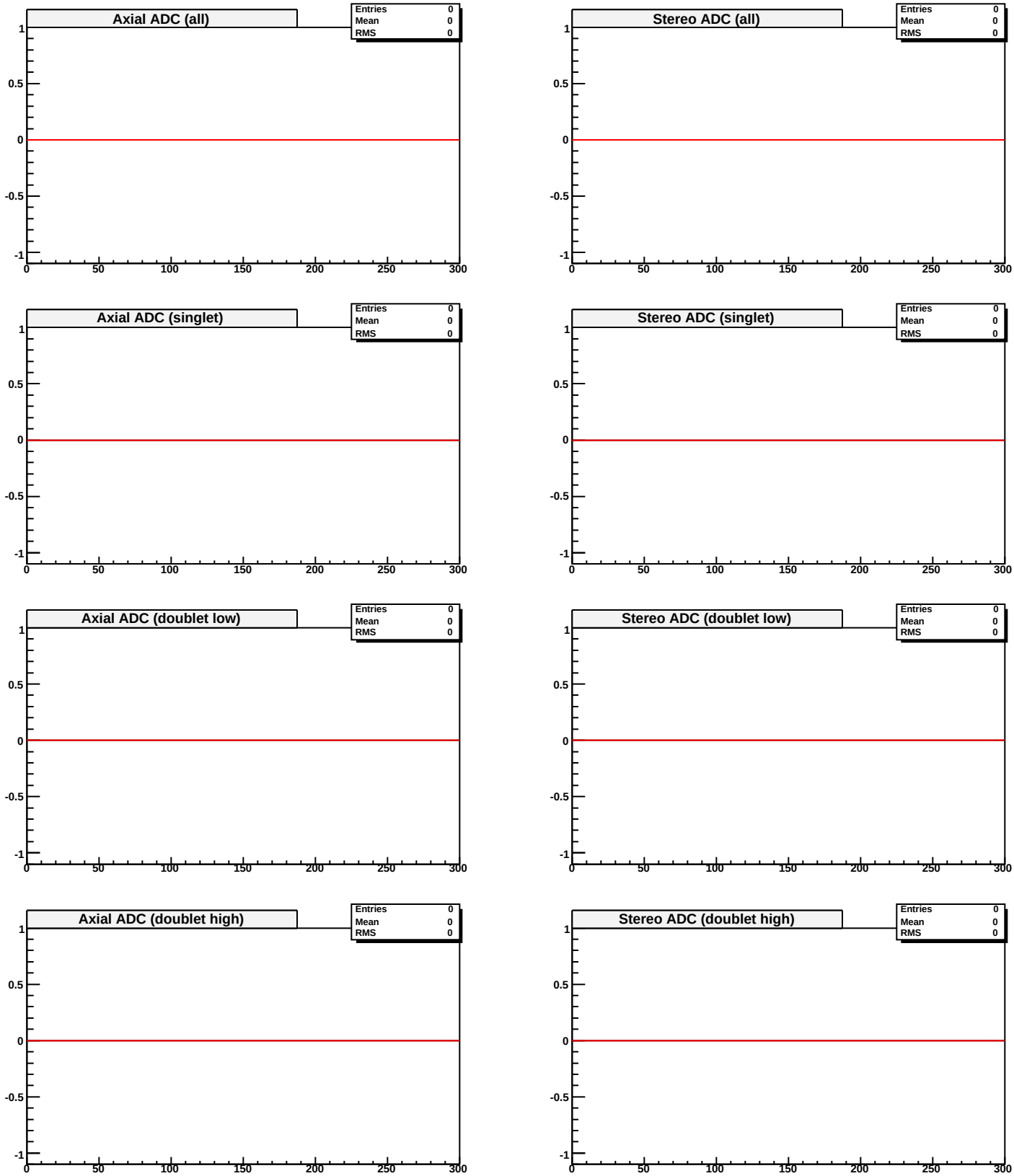
CFT Hit Fiber Discriminator (All Clusters)



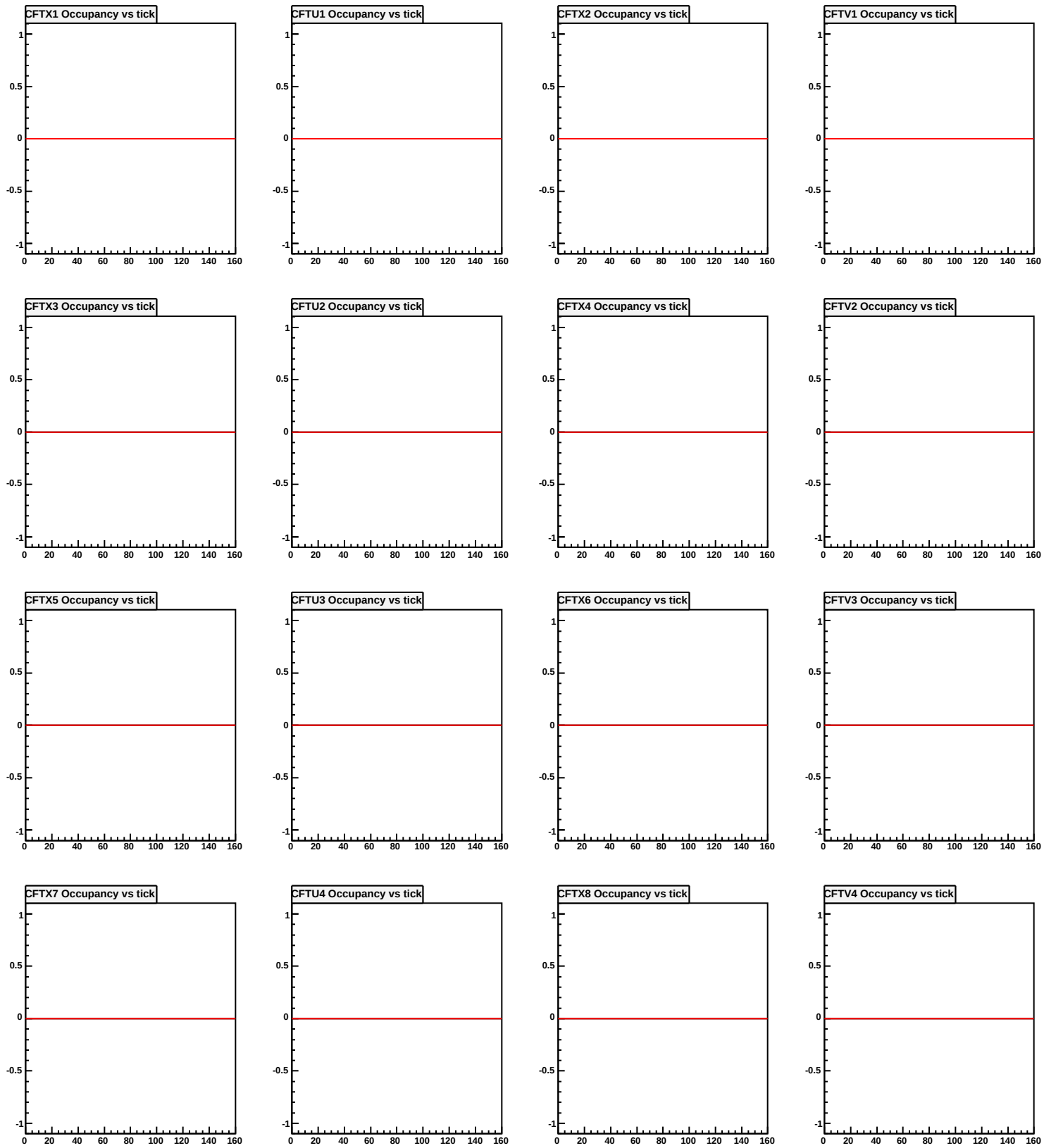
CFT Summary (Clusters on tracks)



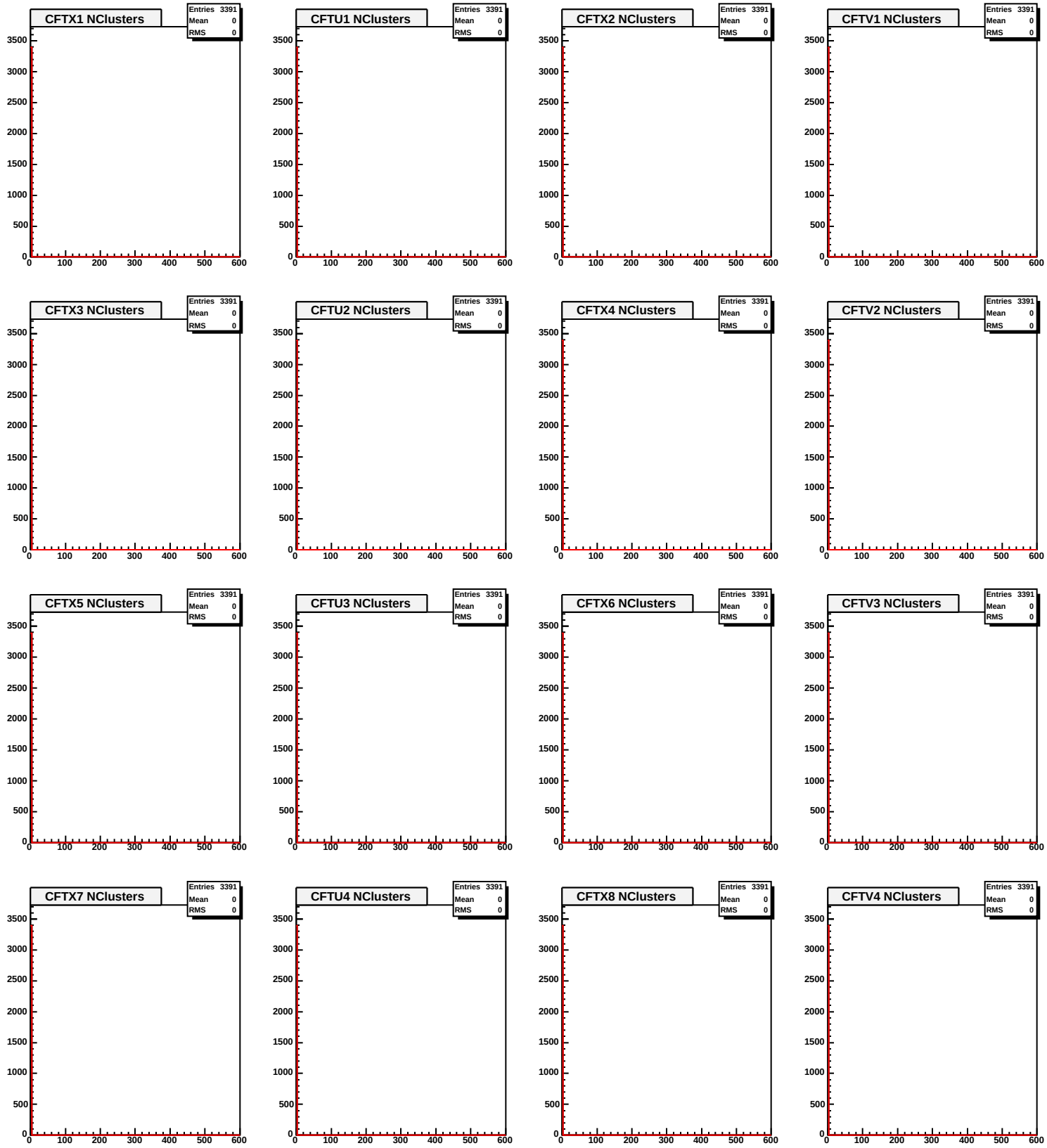
CFT Occupancy (Clusters on tracks)



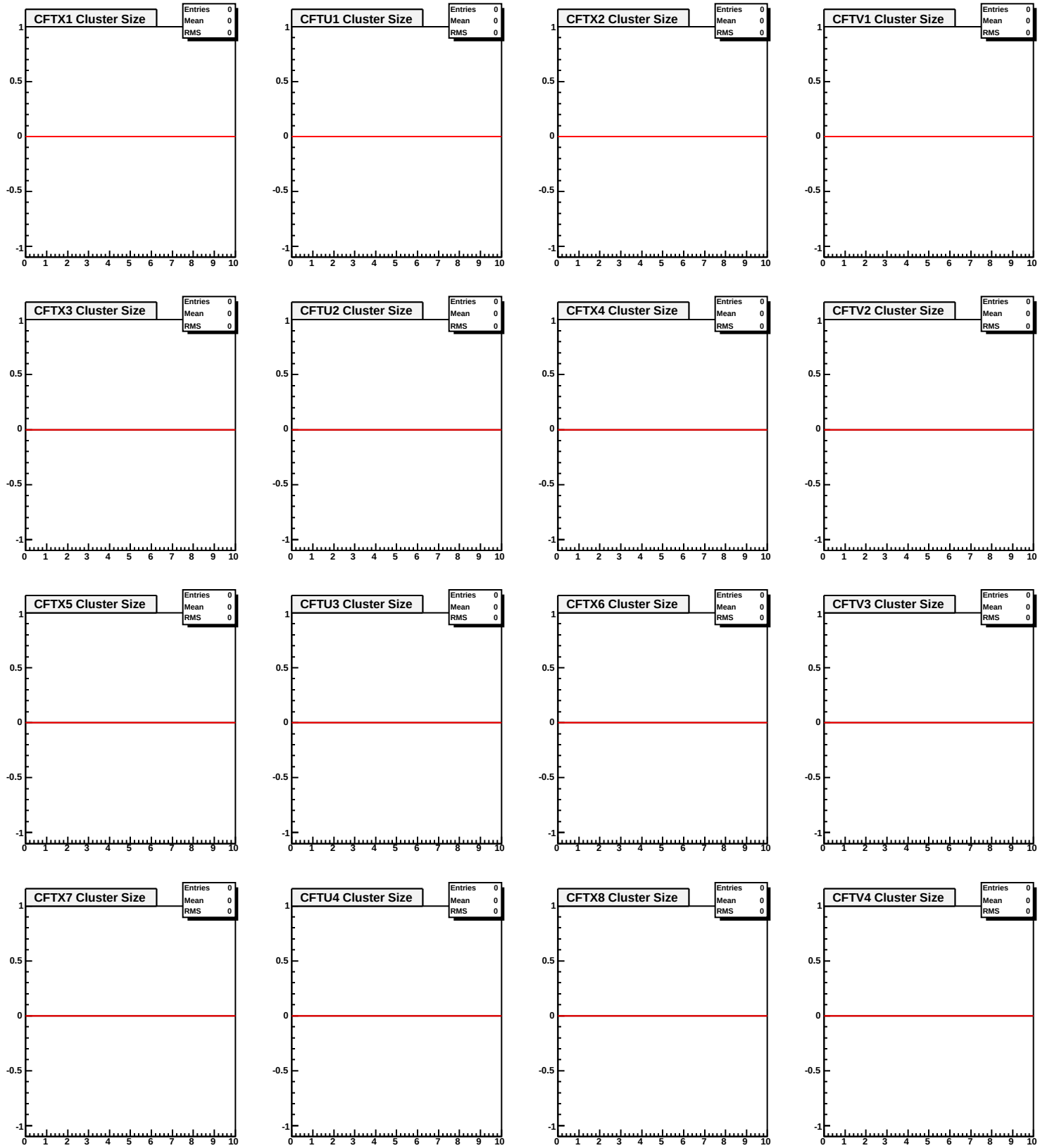
CFT ADC Summary (Clusters on tracks)



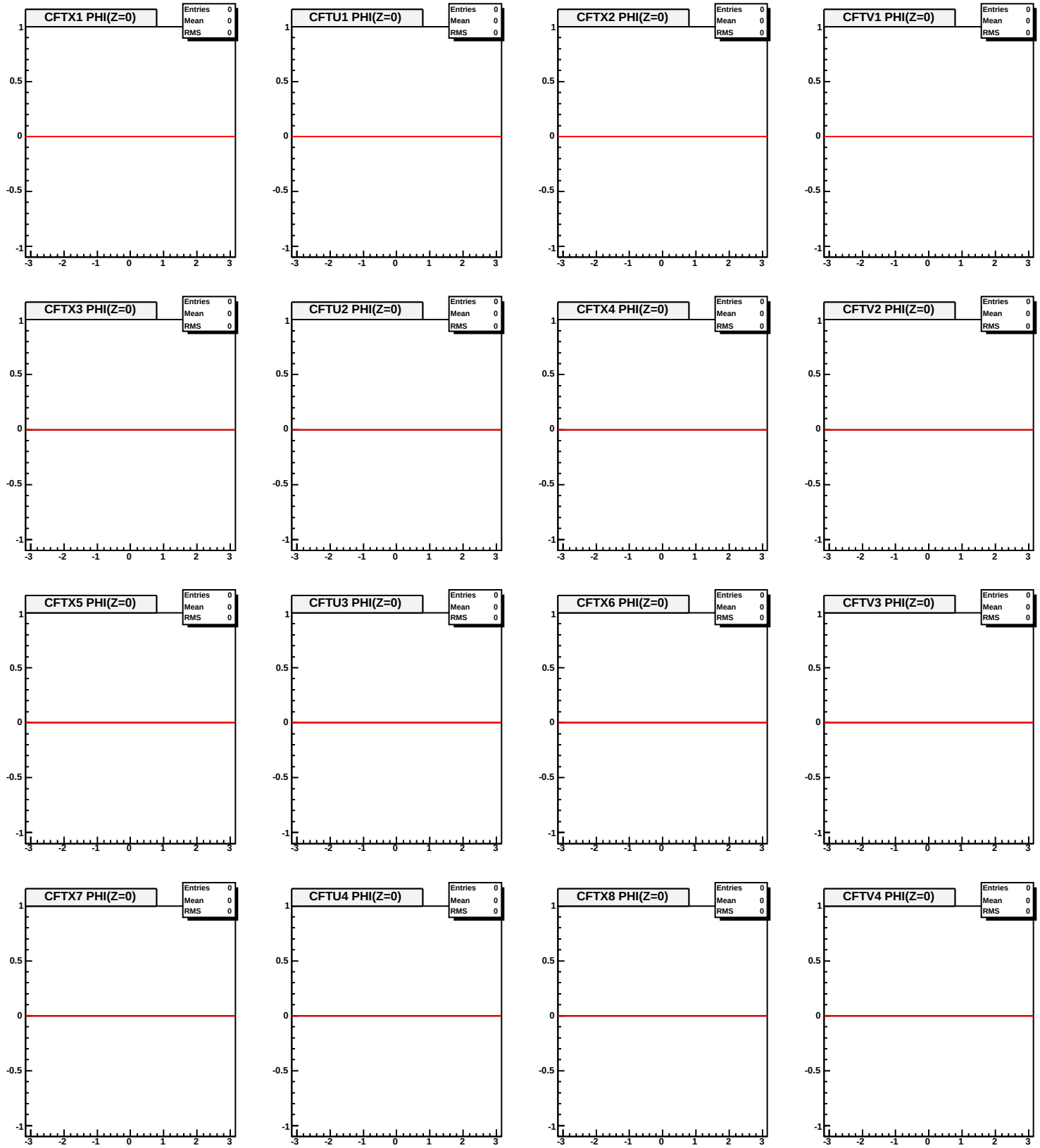
CFT Occupancy vs Tick (Clusters on tracks)



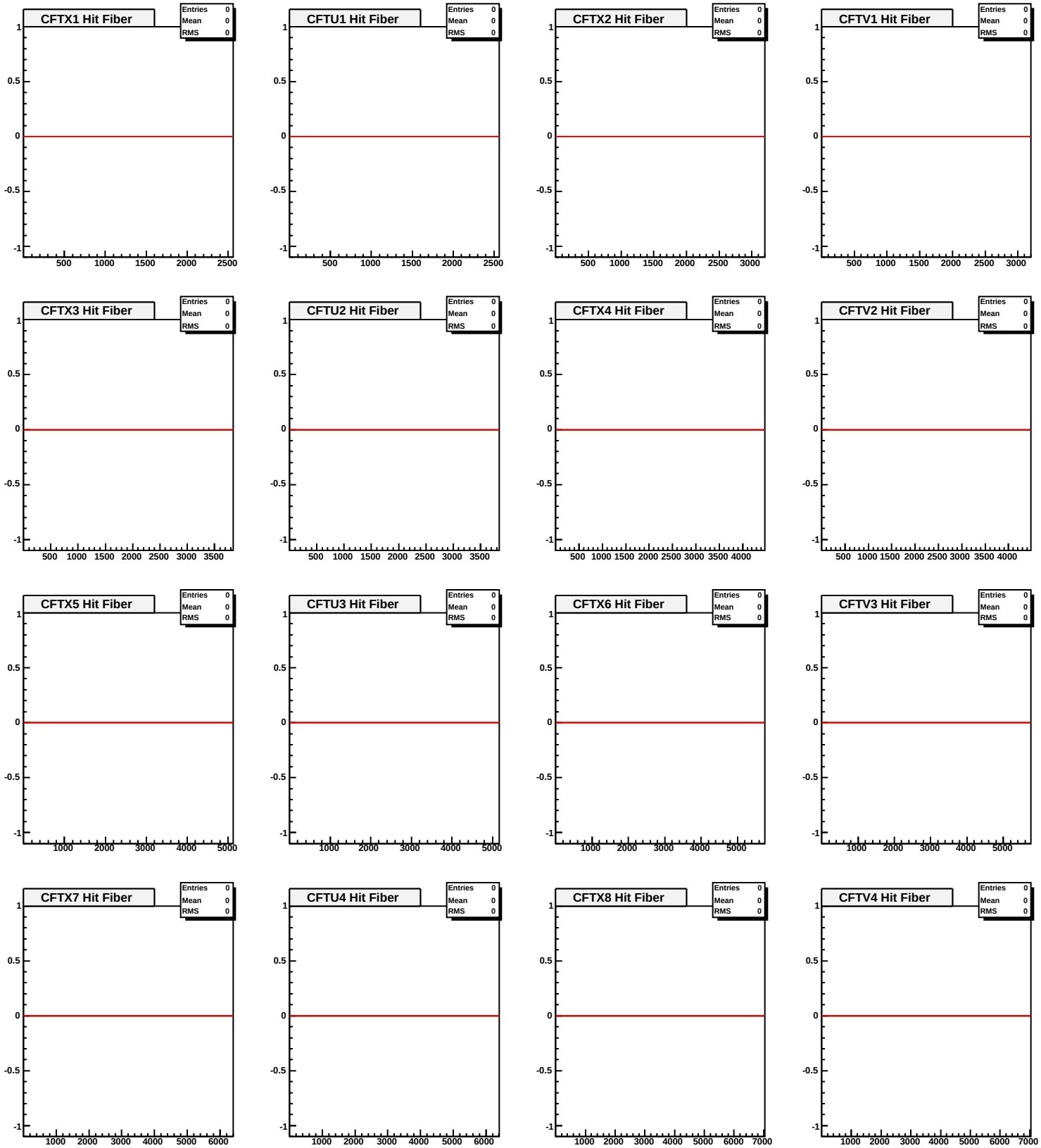
CFT NClusters (Clusters on tracks)



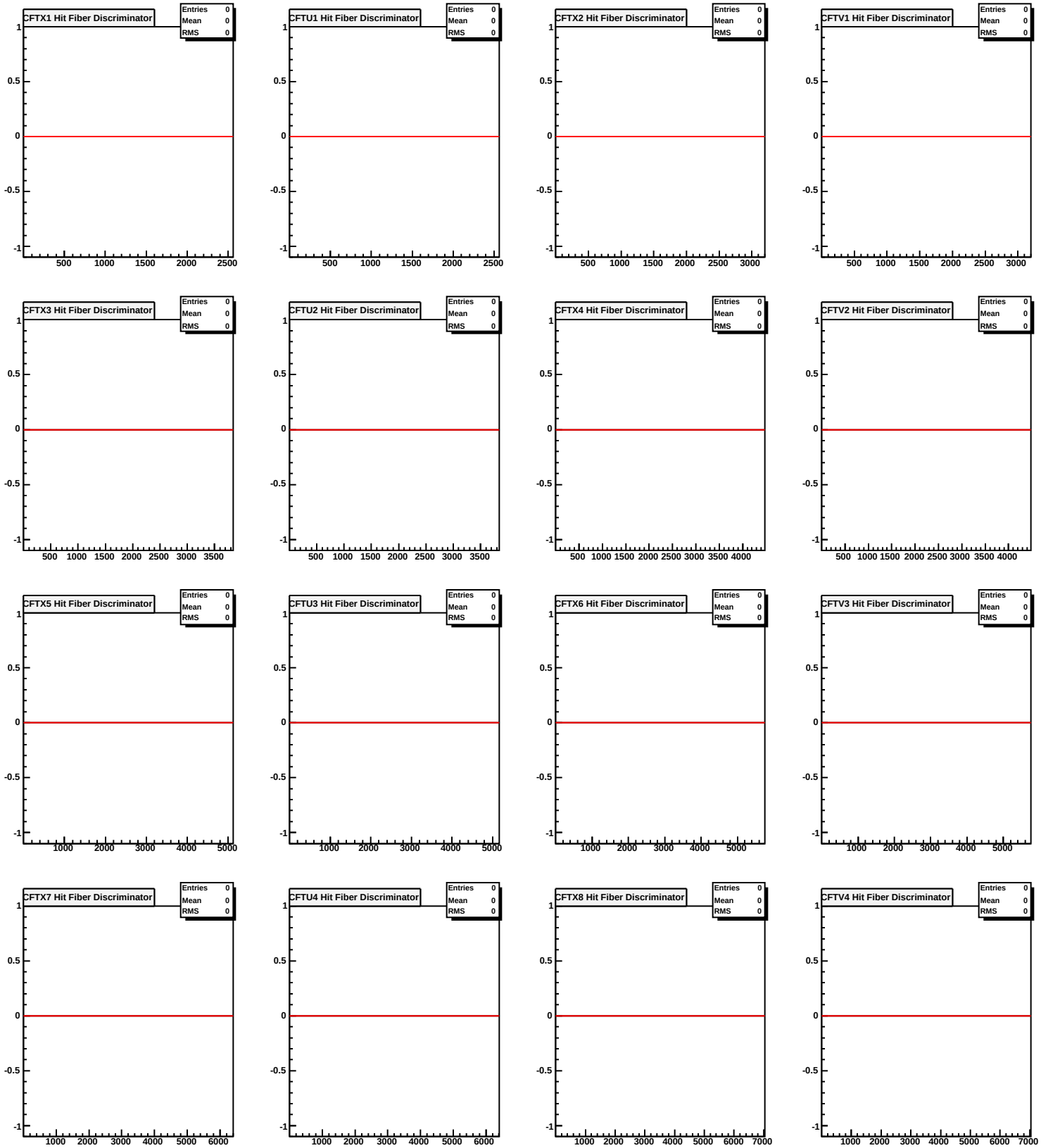
CFT Cluster Size (Clusters on tracks)



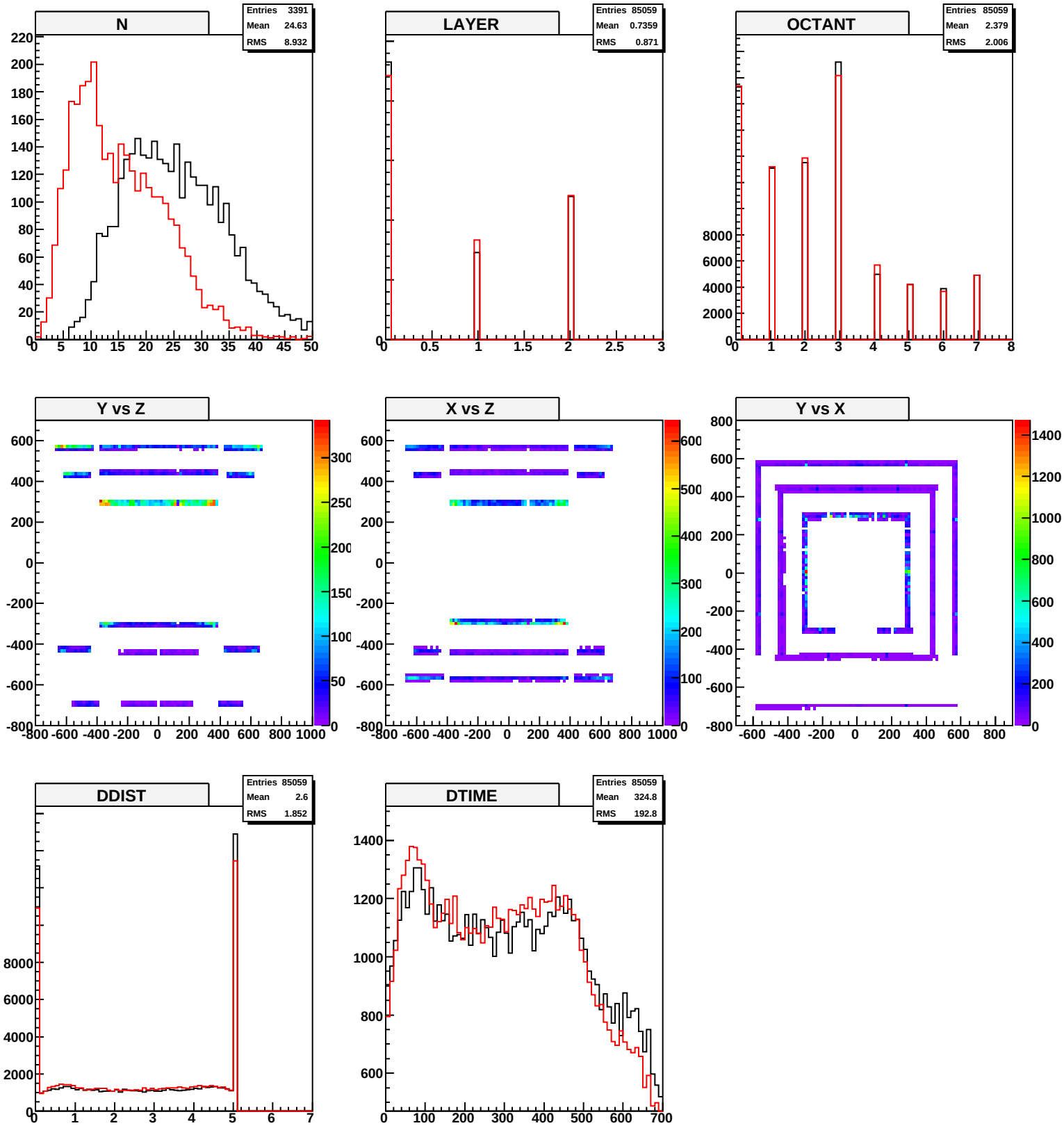
CFT PHI(Z=0) (Clusters on tracks)



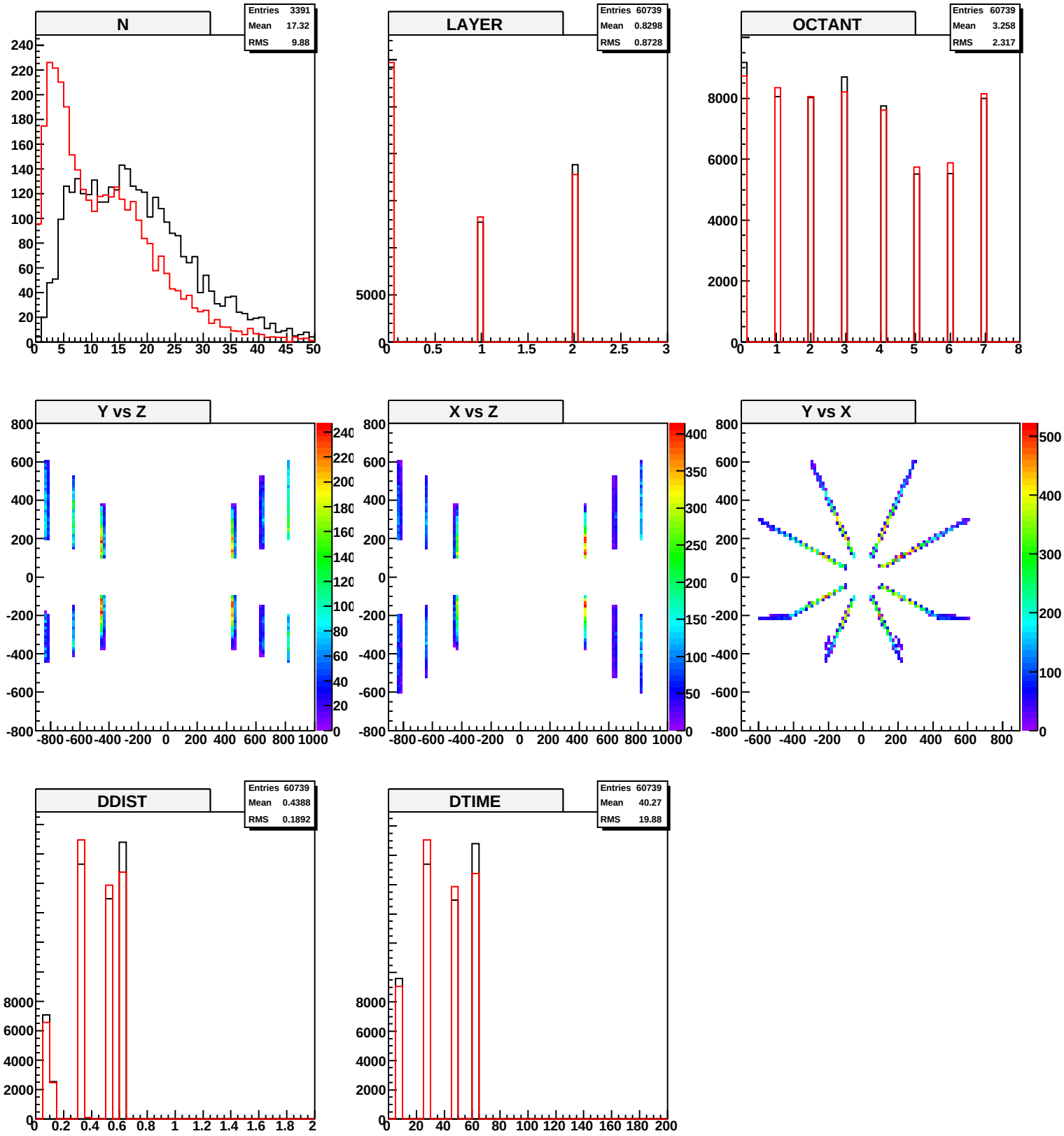
CFT Hit Fiber (Clusters on tracks)



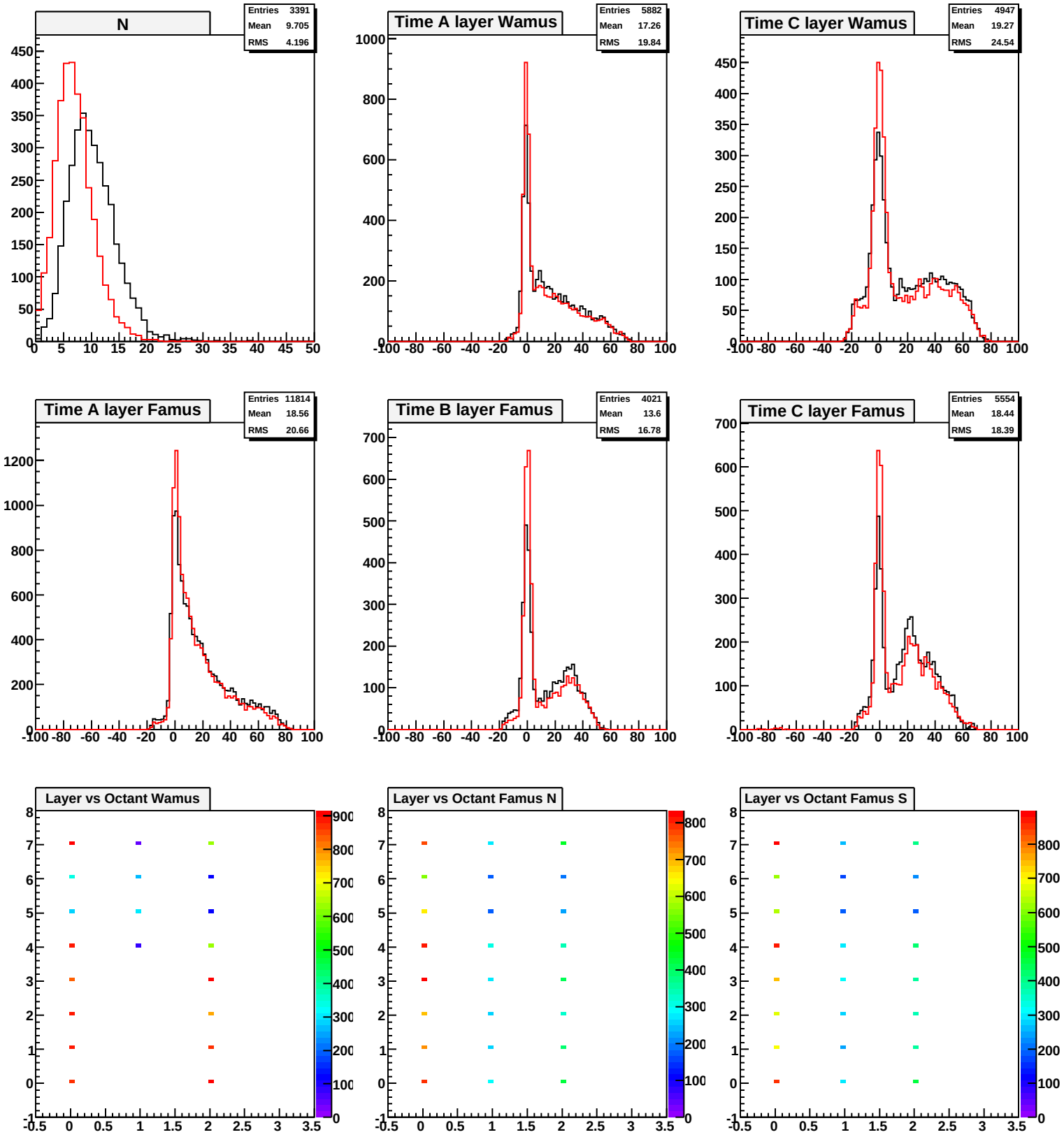
CFT Hit Fiber Discriminator (Clusters on tracks)


N
Entries 3391
Mean 24.63
RMS 8.932
LAYER
Entries 85059
Mean 0.7359
RMS 0.871
OCTANT
Entries 85059
Mean 2.379
RMS 2.006
Y vs Z
X vs Z
Y vs X
DDIST
Entries 85059
Mean 2.6
RMS 1.852
DTIME
Entries 85059
Mean 324.8
RMS 192.8

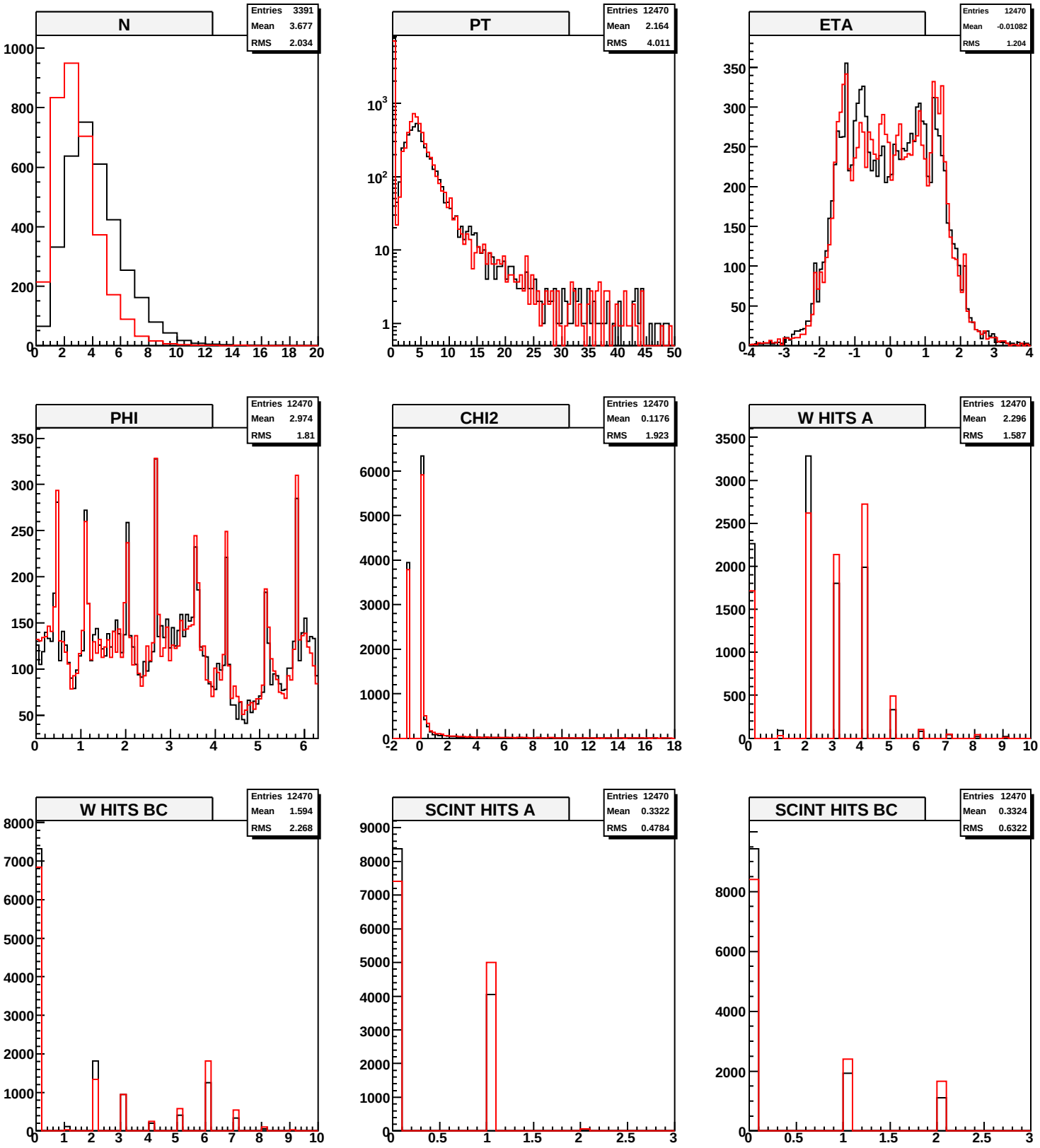
MuonPDT (All)


N
Entries 3391
Mean 17.32
RMS 9.88
LAYER
Entries 60739
Mean 0.8298
RMS 0.8728
OCTANT
Entries 60739
Mean 3.258
RMS 2.317
Y vs Z
X vs Z
Y vs X
DDIST
Entries 60739
Mean 0.4388
RMS 0.1892
DTIME
Entries 60739
Mean 40.27
RMS 19.88

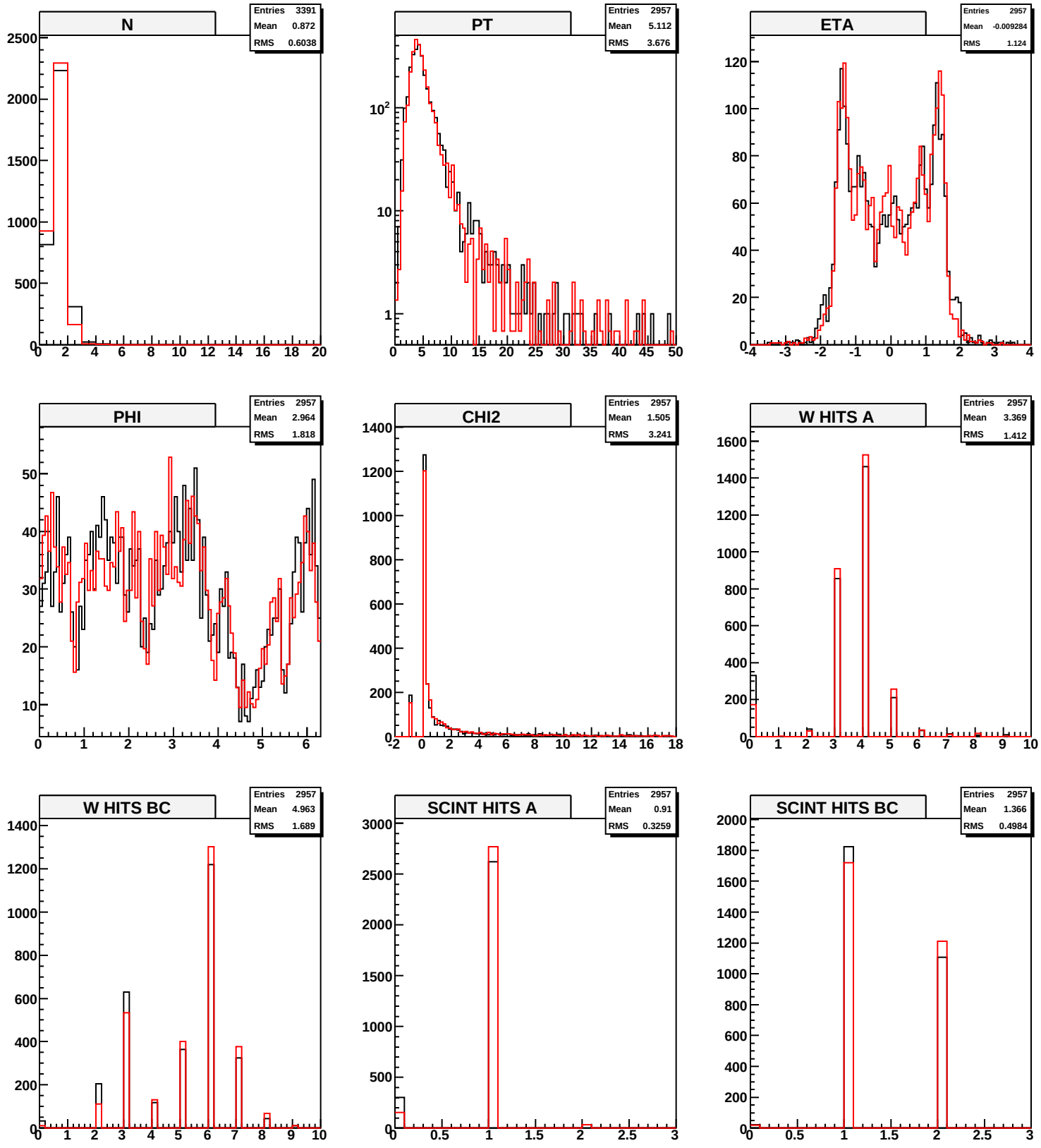
MuonMDT (All)


N
Entries 3391
Mean 9.705
RMS 4.196
Time A layer Wamus
Entries 5882
Mean 17.26
RMS 19.84
Time C layer Wamus
Entries 4947
Mean 19.27
RMS 24.54
Time A layer Famus
Entries 11814
Mean 18.56
RMS 20.66
Time B layer Famus
Entries 4021
Mean 13.6
RMS 16.78
Time C layer Famus
Entries 5554
Mean 18.44
RMS 18.39
Layer vs Octant Wamus
Layer vs Octant Famus N
Layer vs Octant Famus S

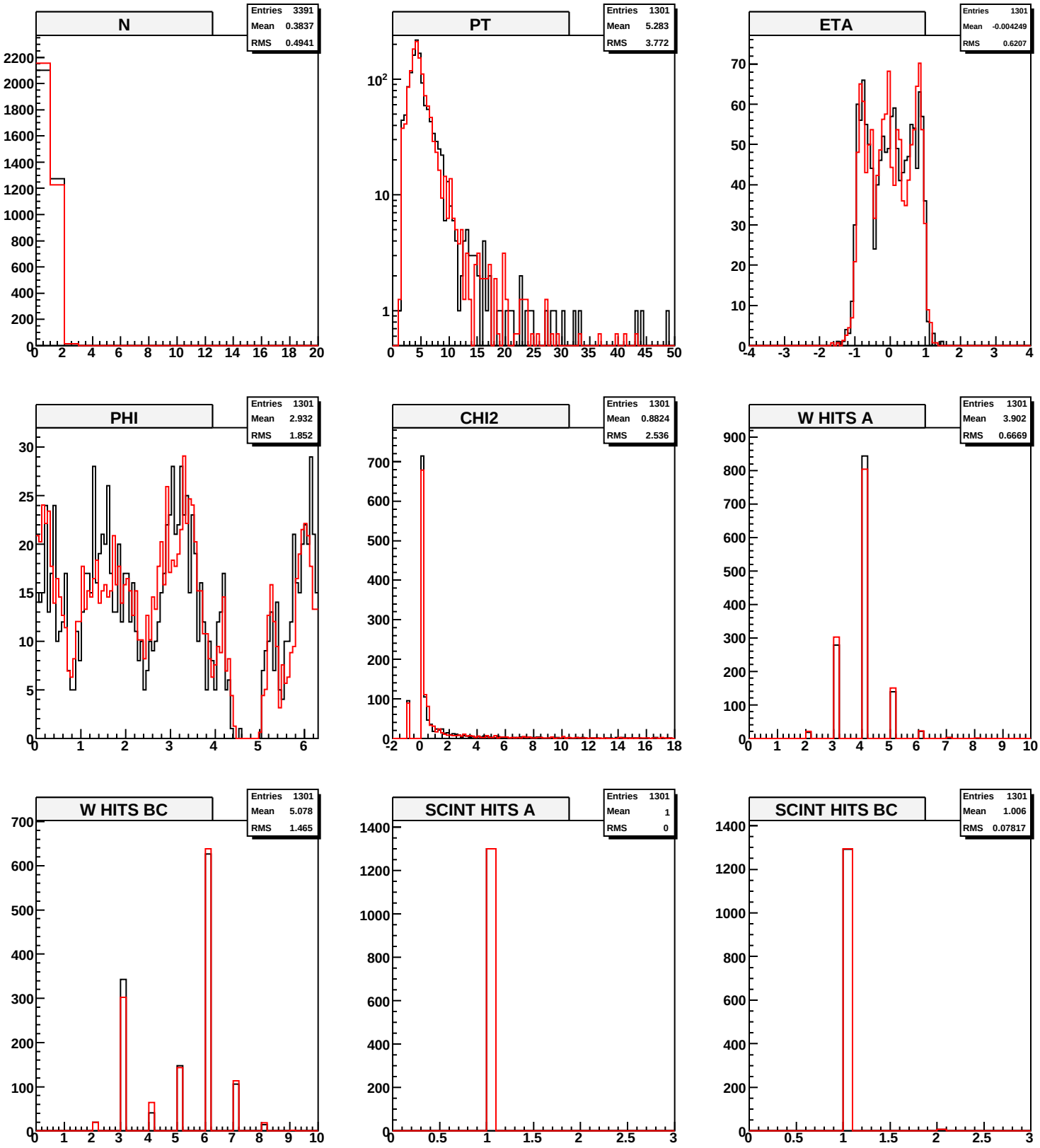
MuonMSC (All)



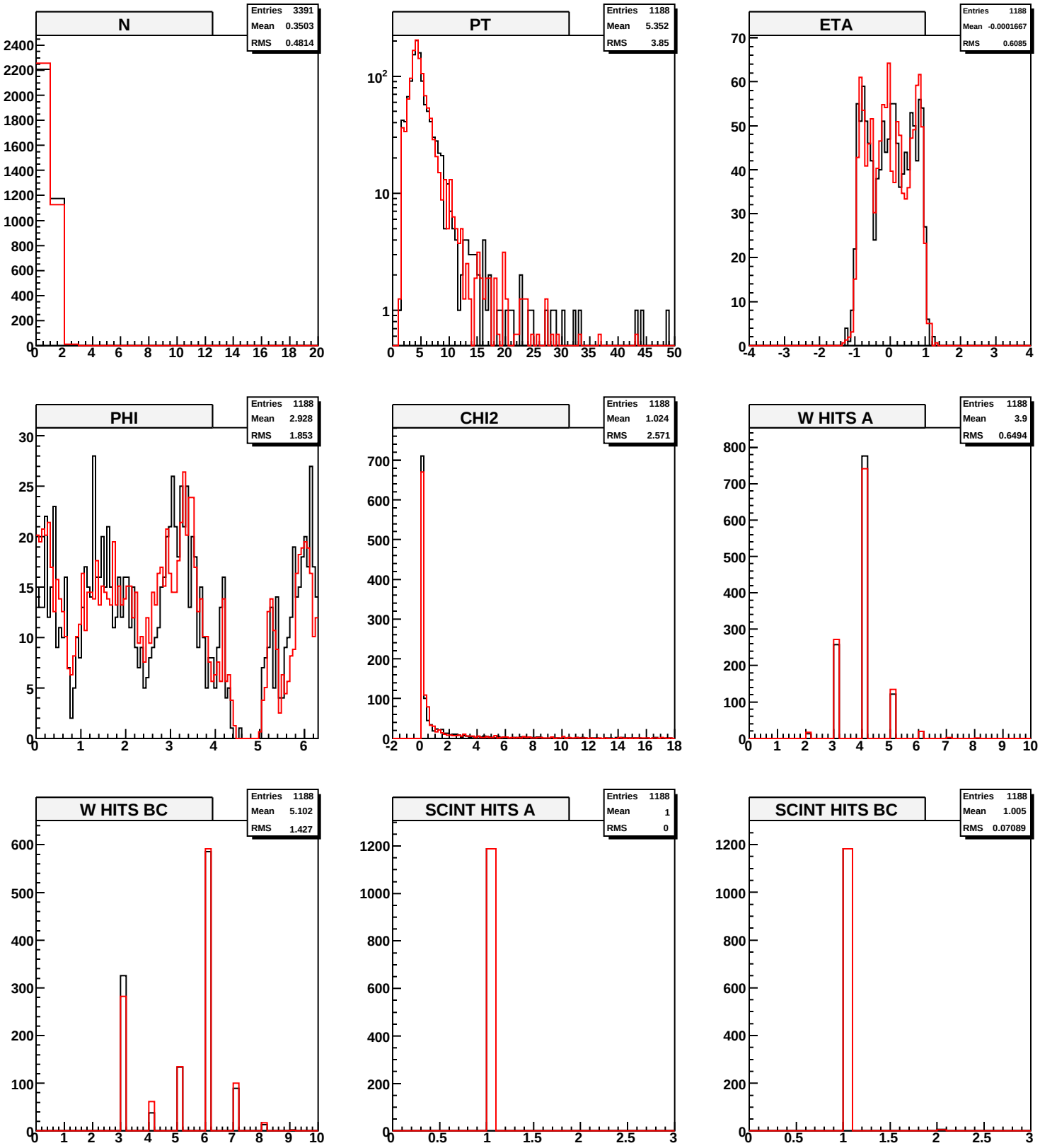
Muon Local Tracks (All)



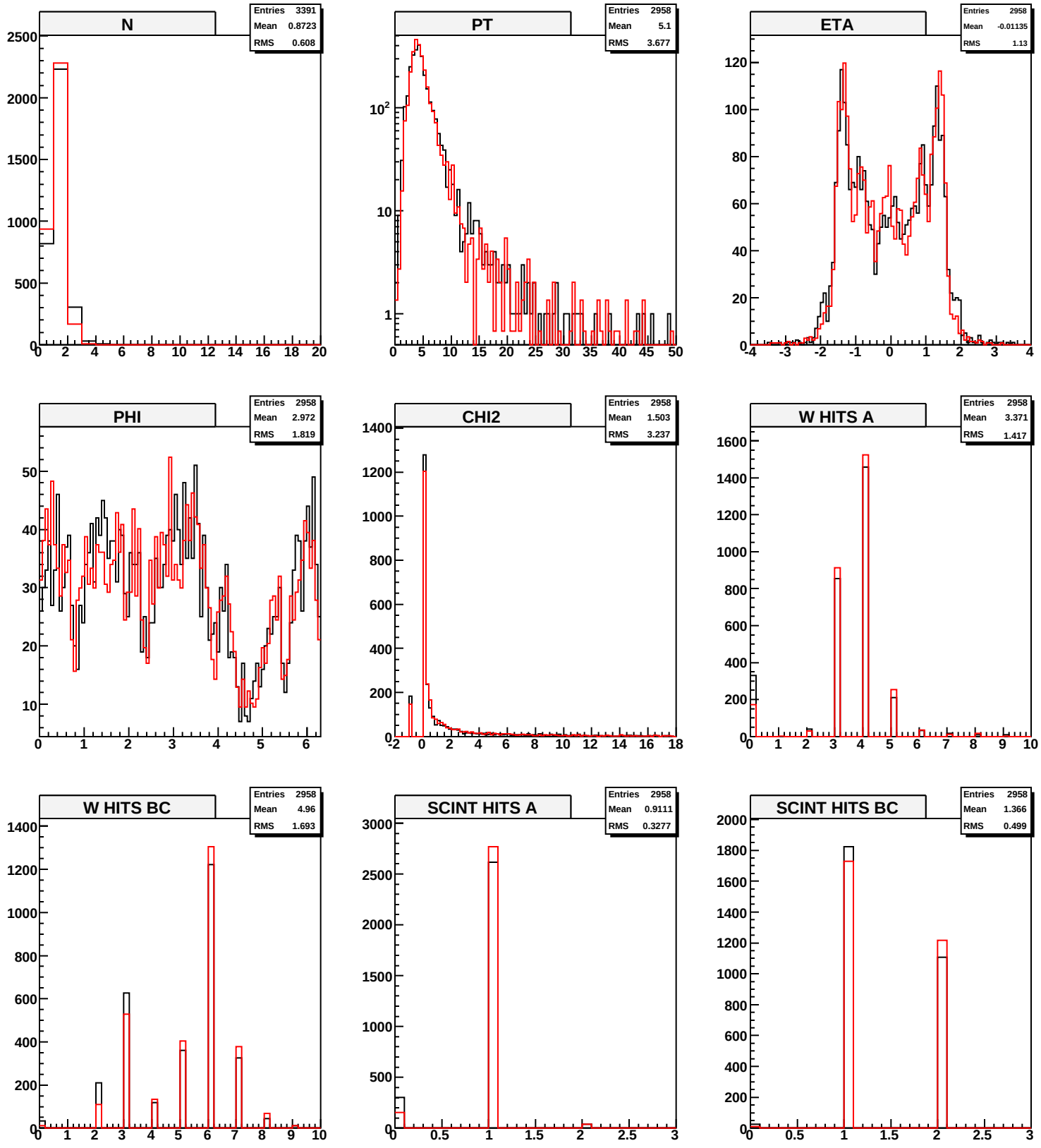
Muon Local Tracks (LooseWamus)



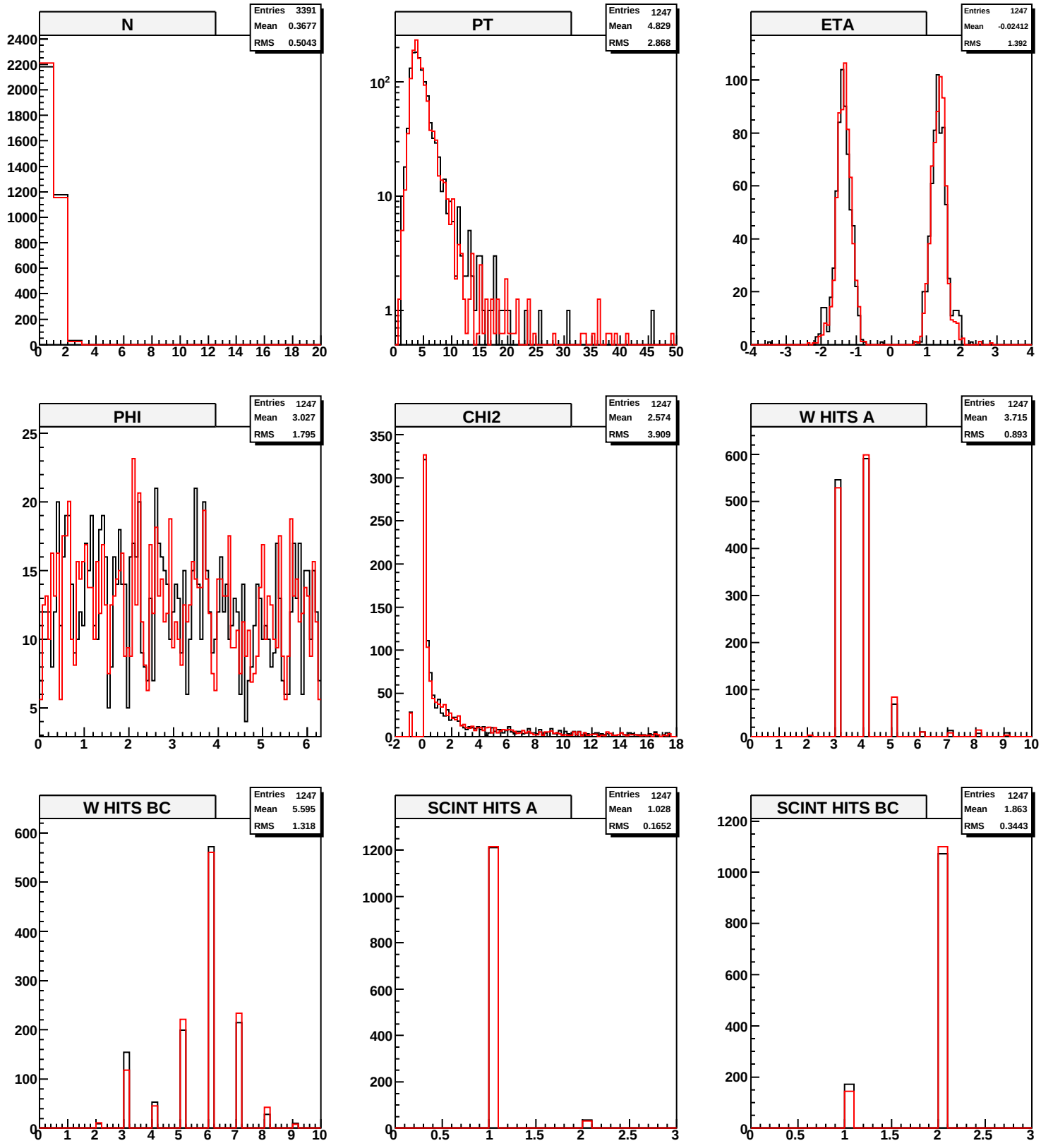
Muon Local Tracks (MediumWamus)



Muon Local Tracks (TightWamus)



Muon Local Tracks (LooseFamus)



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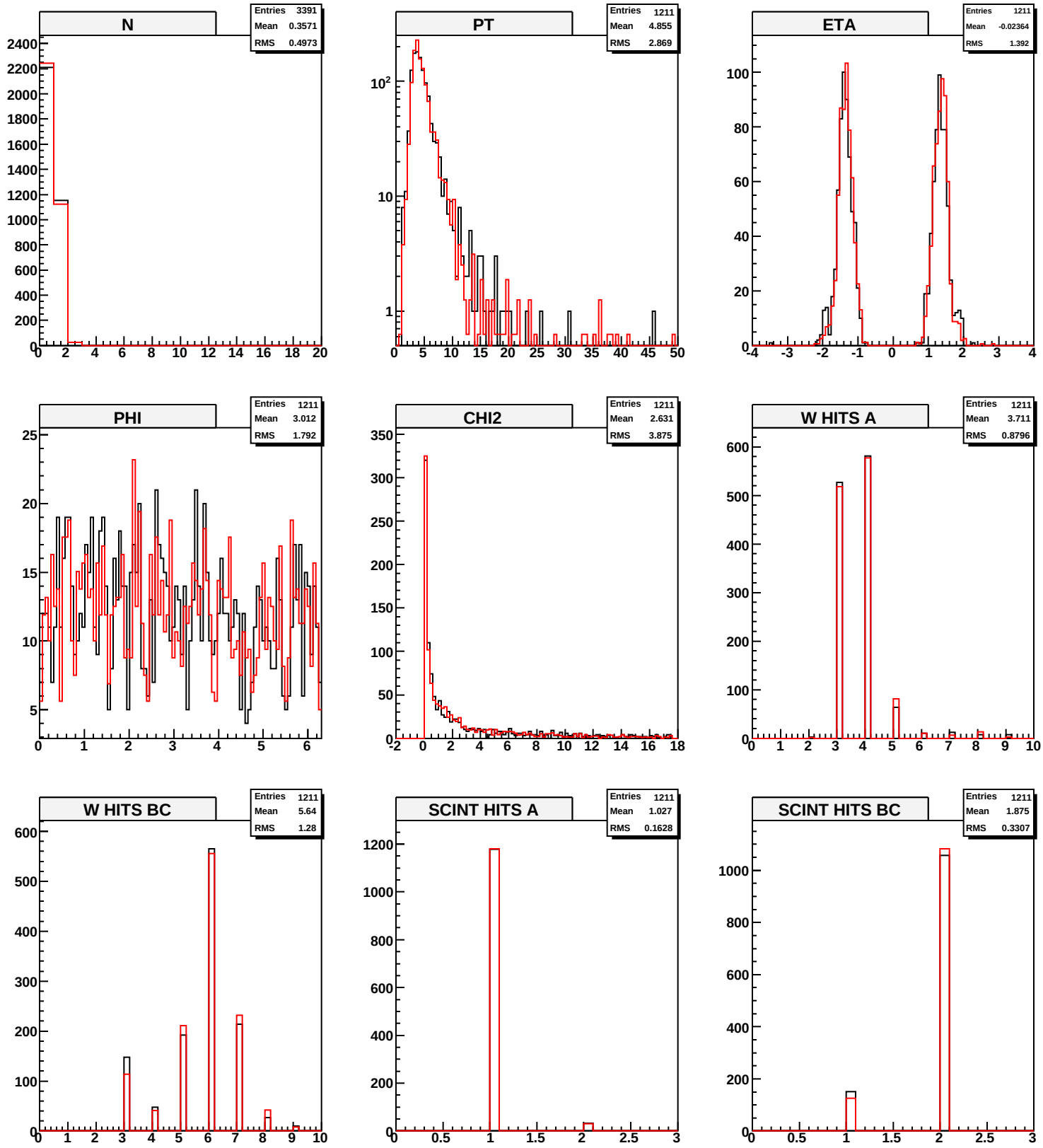

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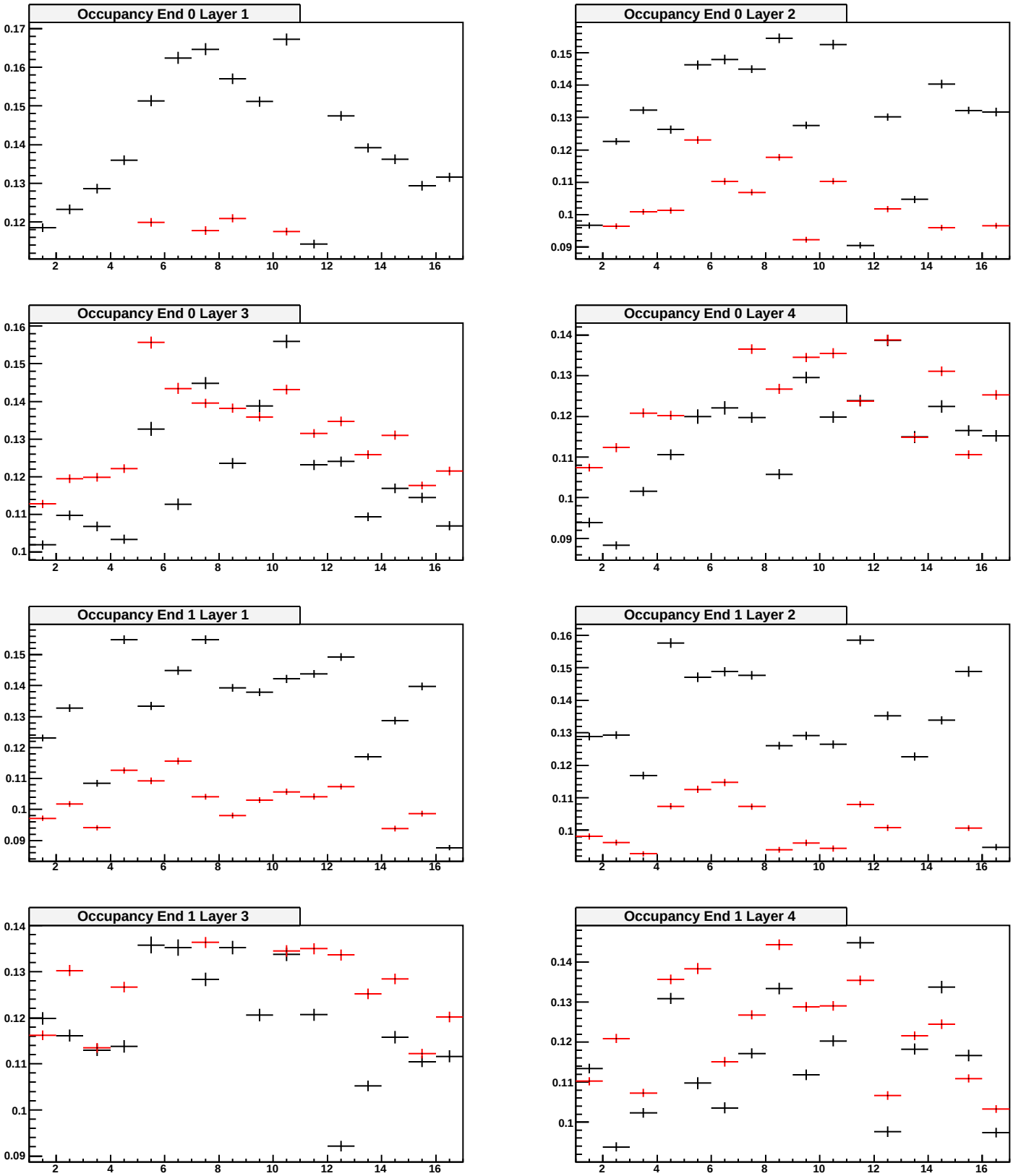
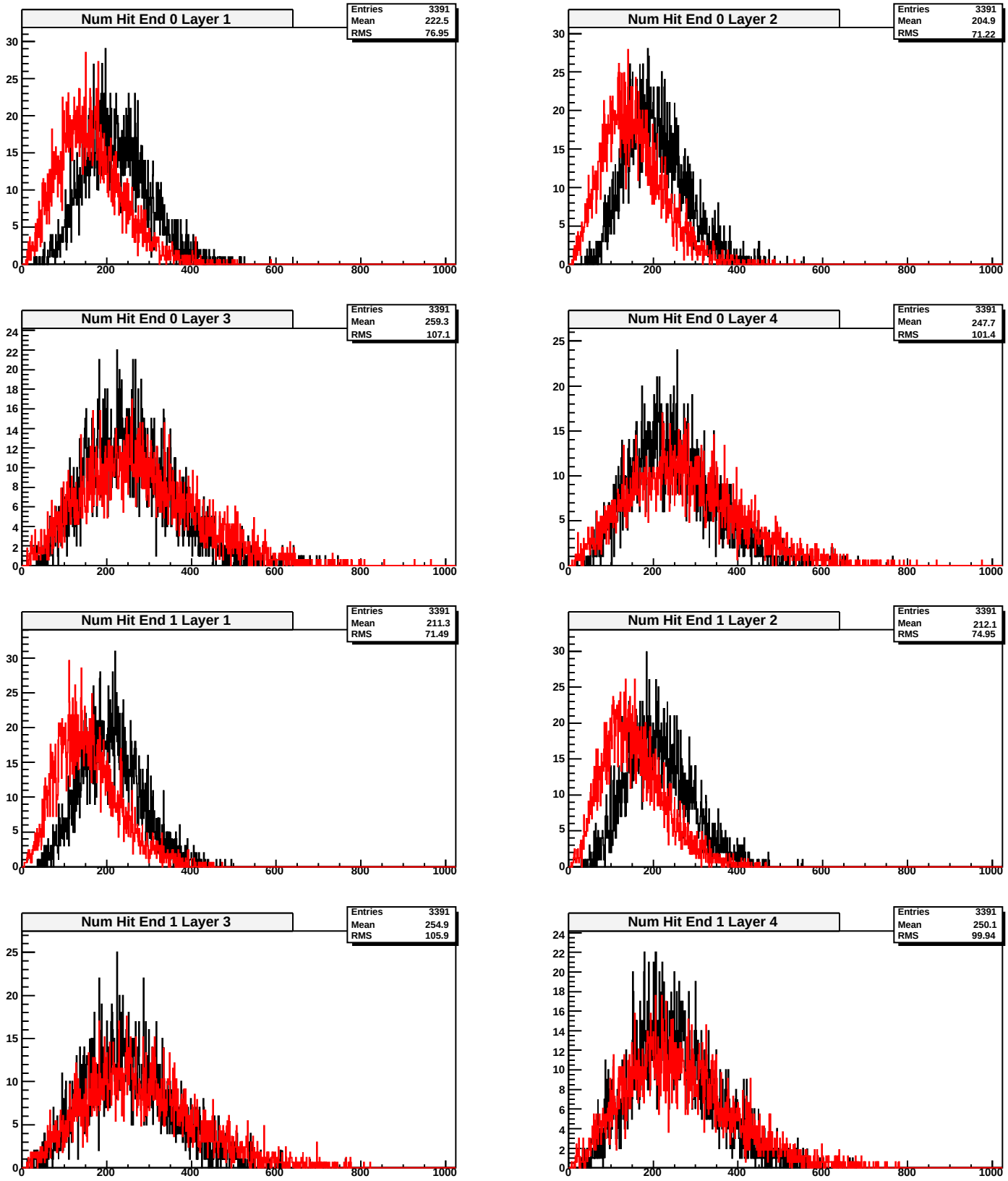
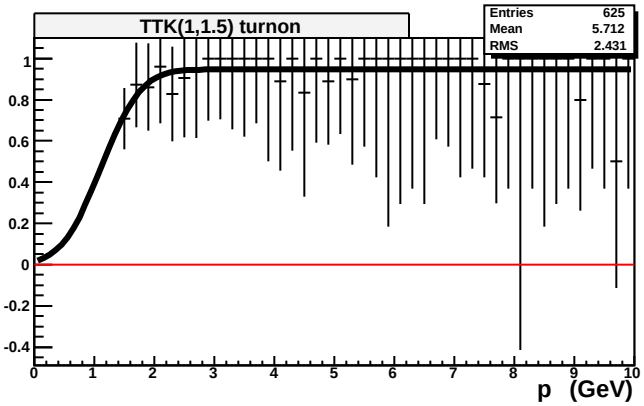
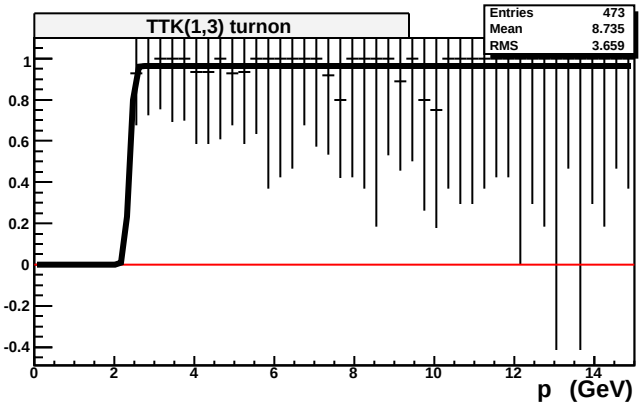


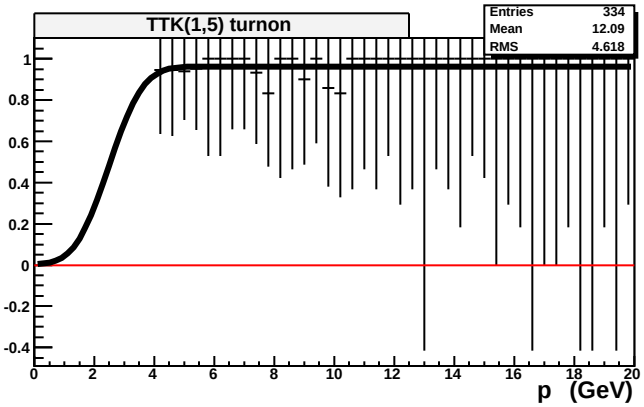
FPS Hit Occupancy (All)

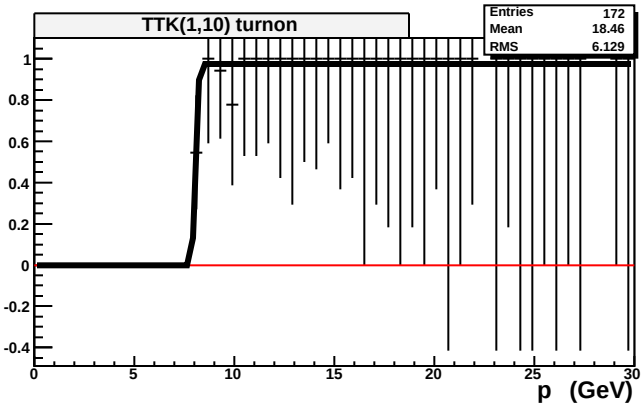


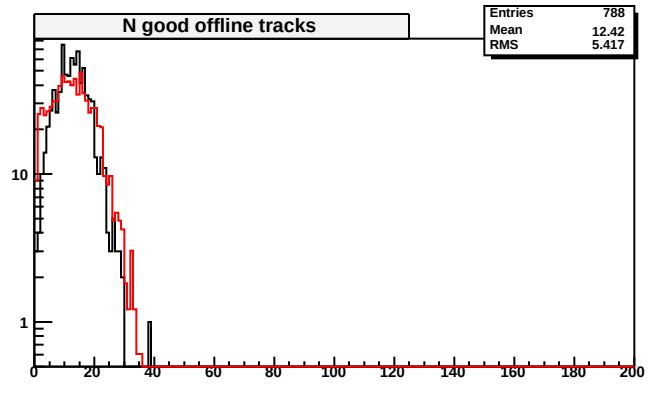
FPS Number of Hits (All)

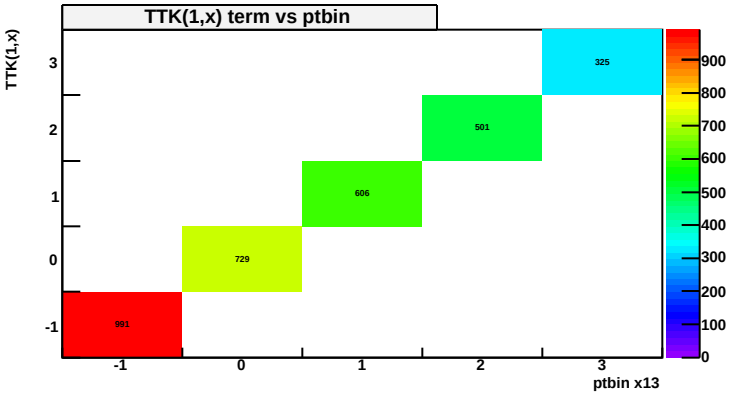


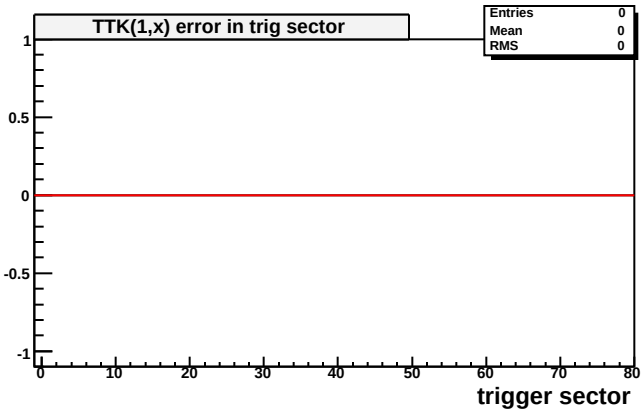


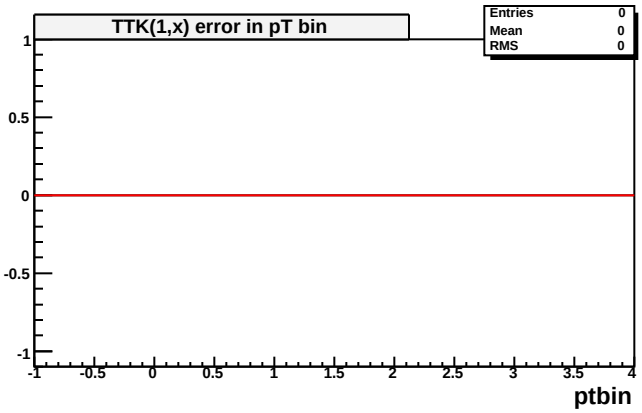




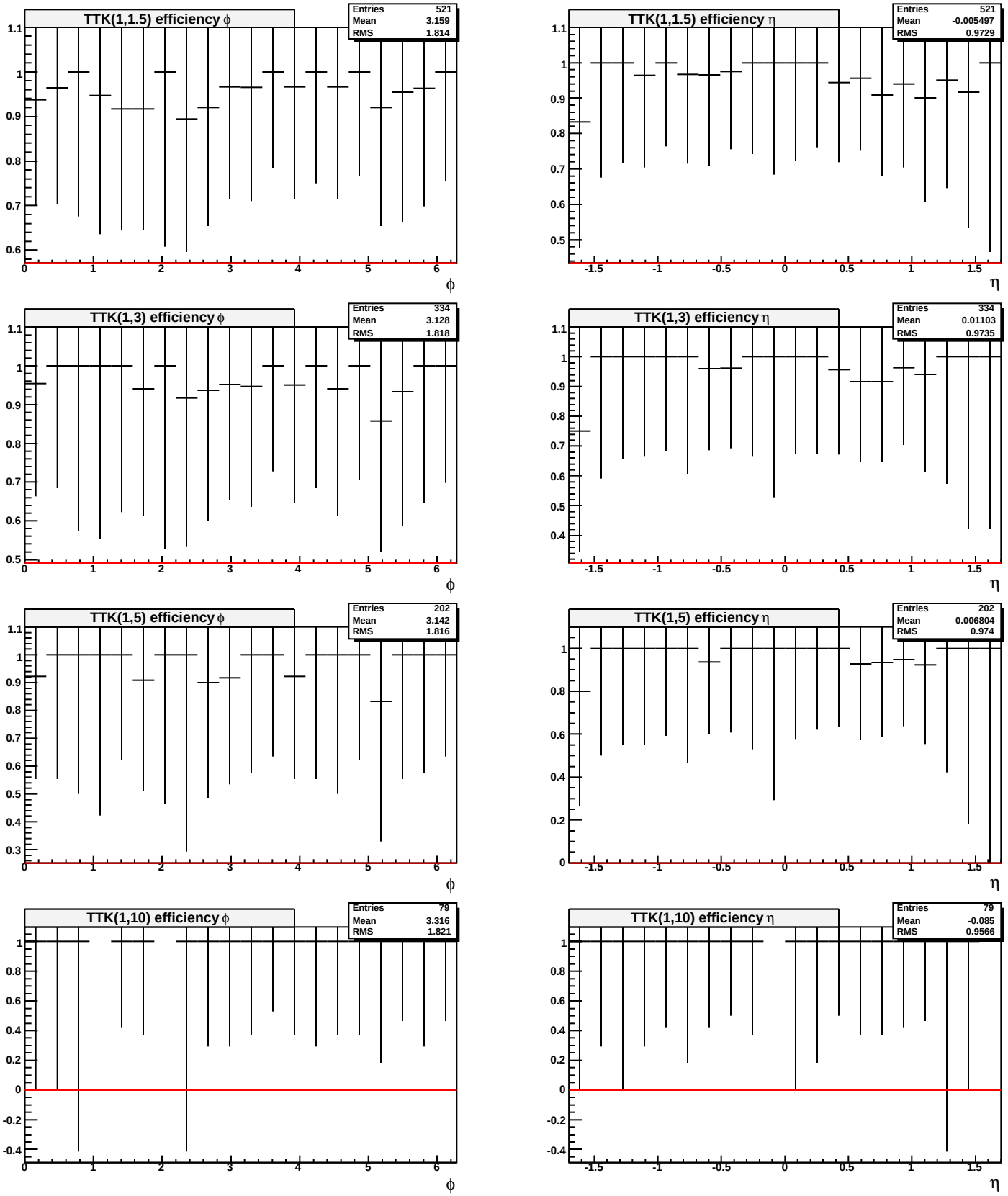




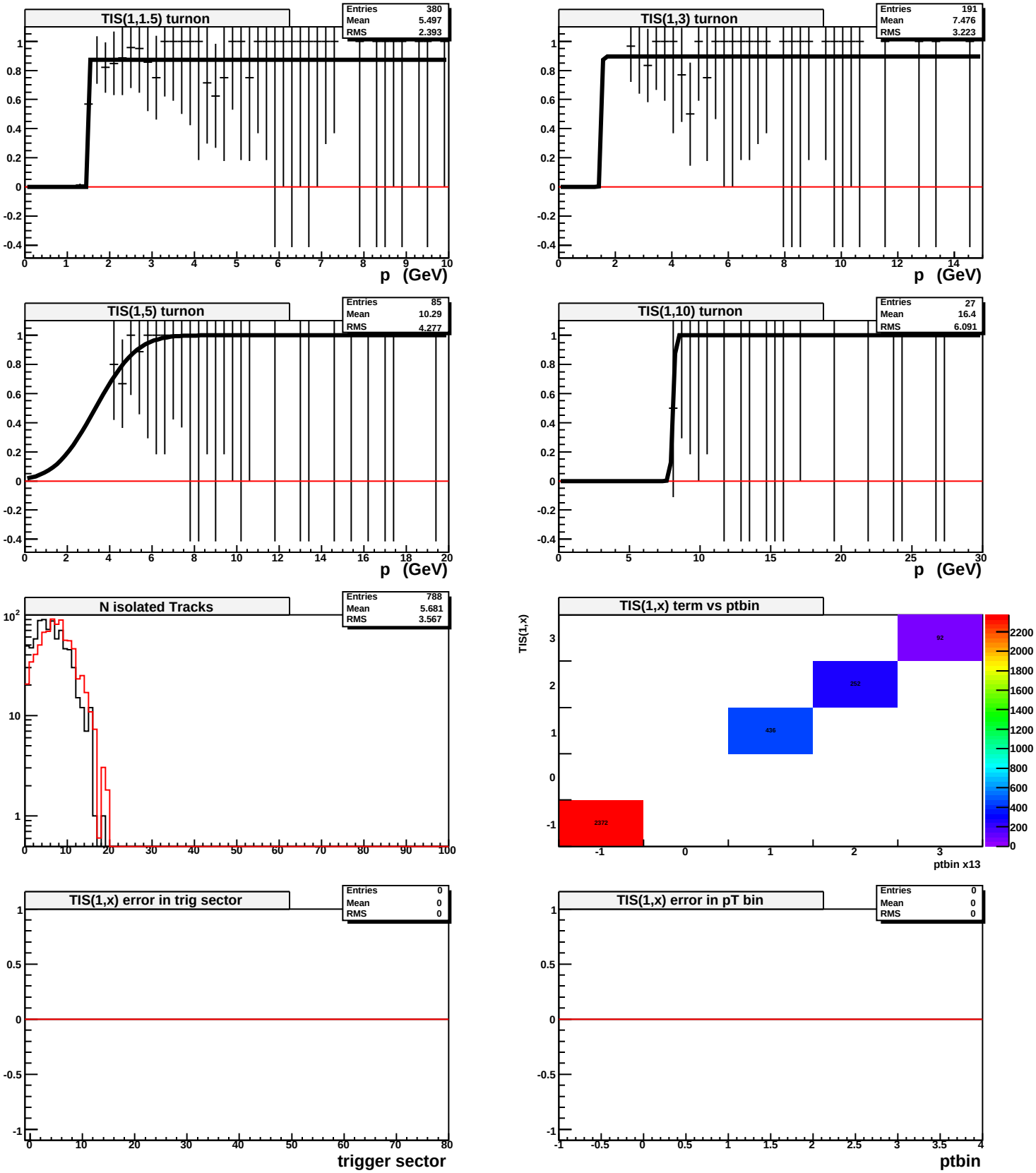




TTK (L1CTT All)



TTK phi/eta (L1CTT All)



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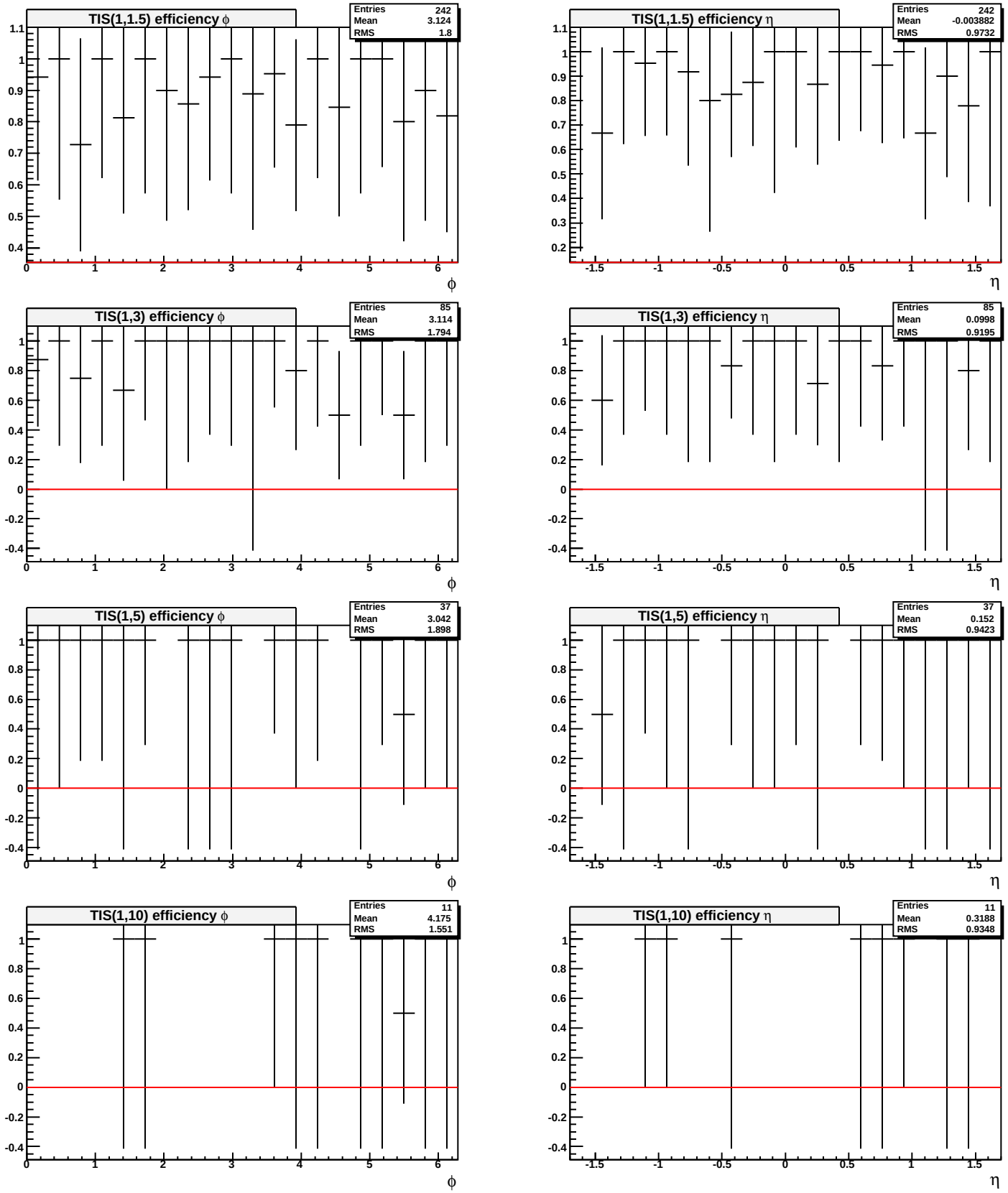

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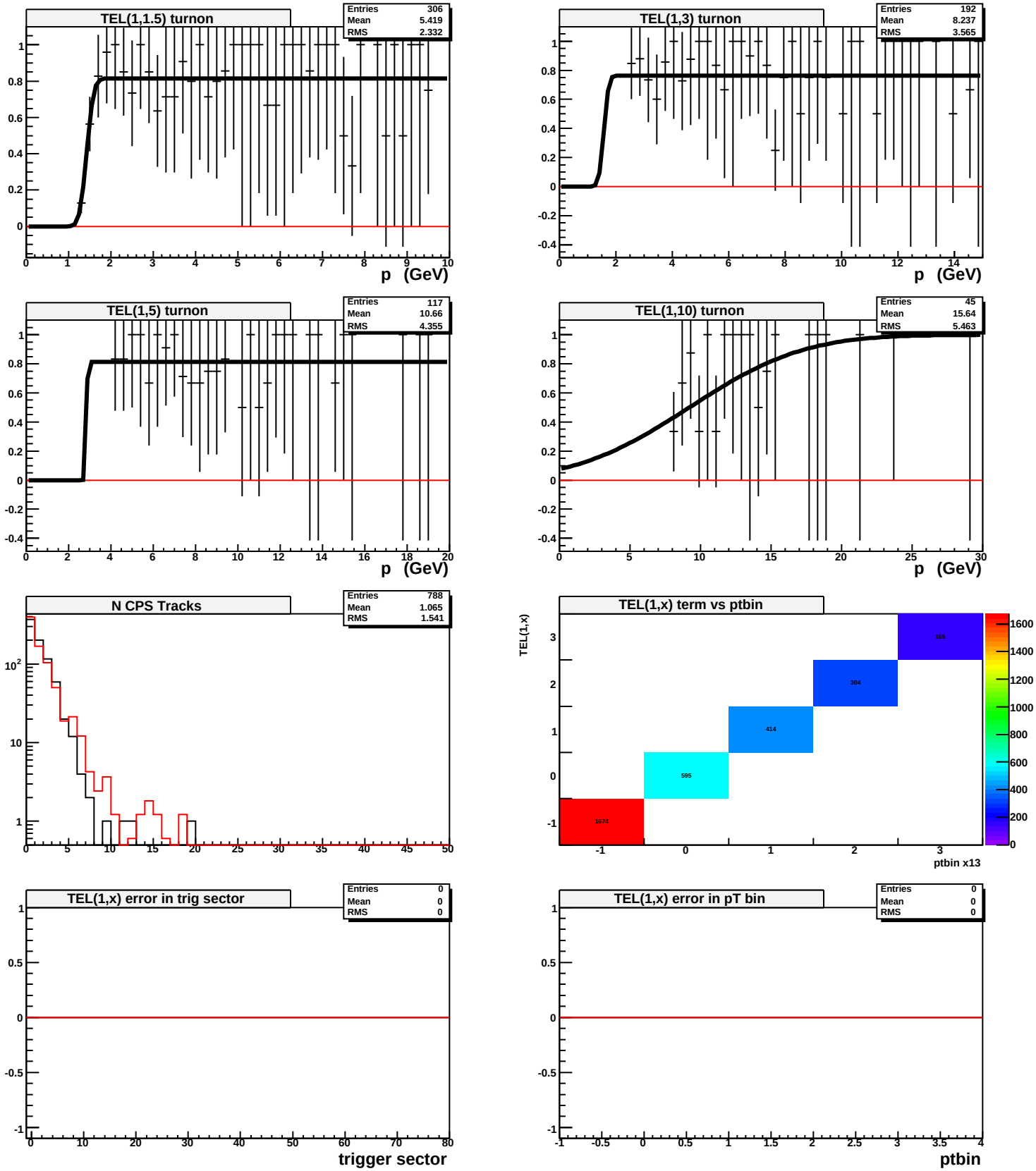

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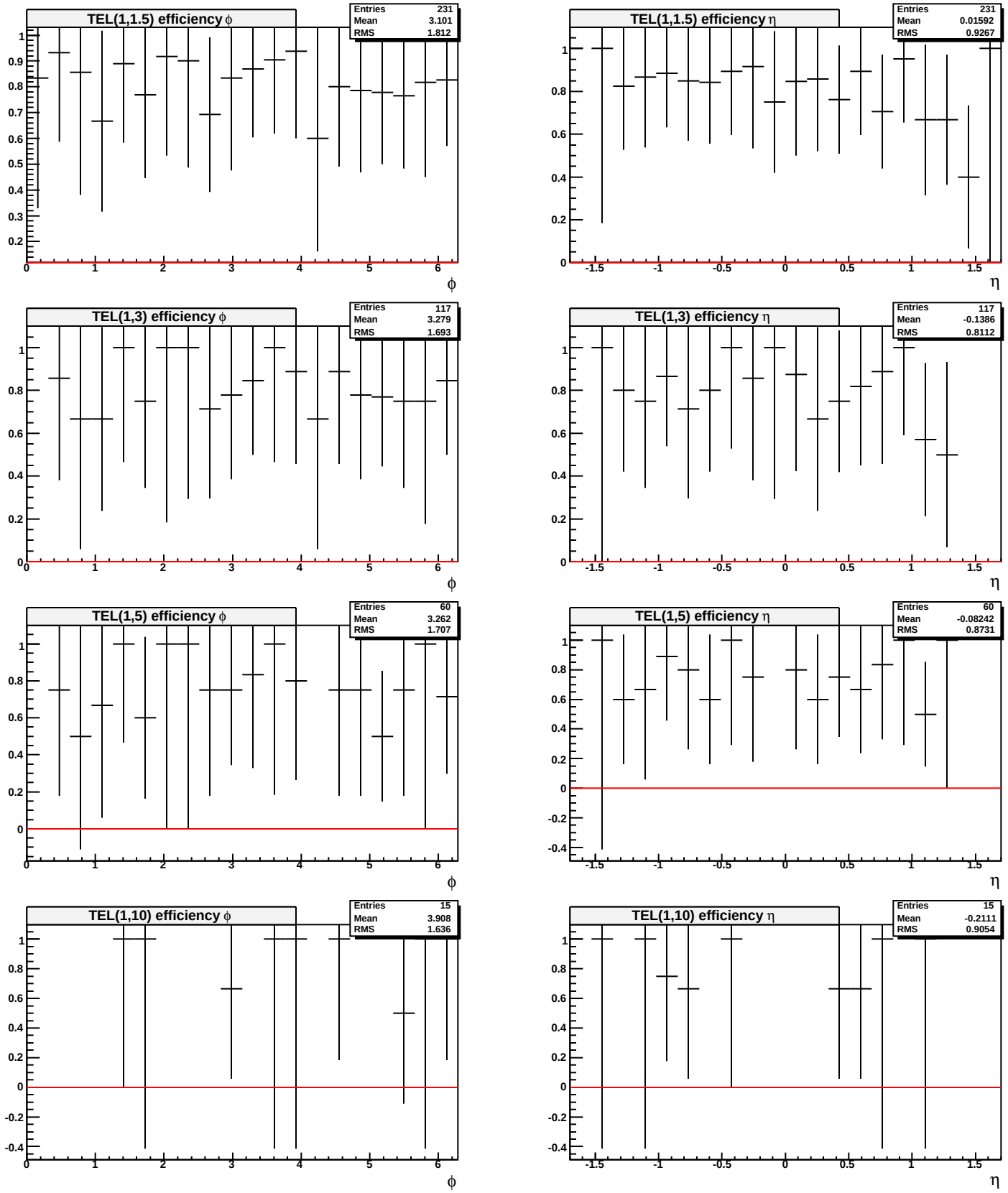

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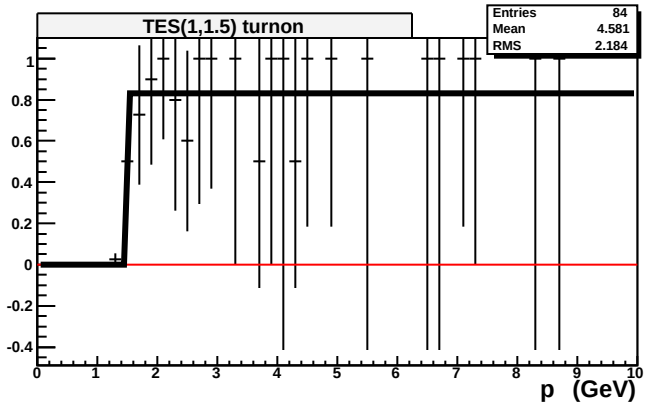

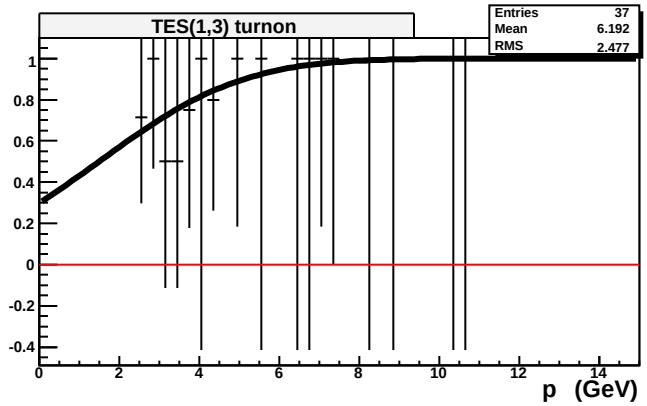

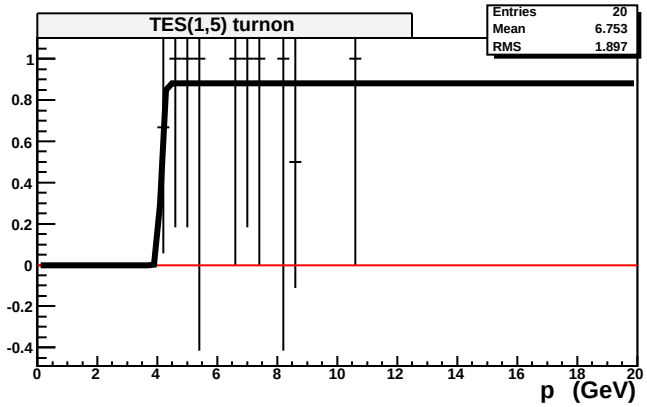

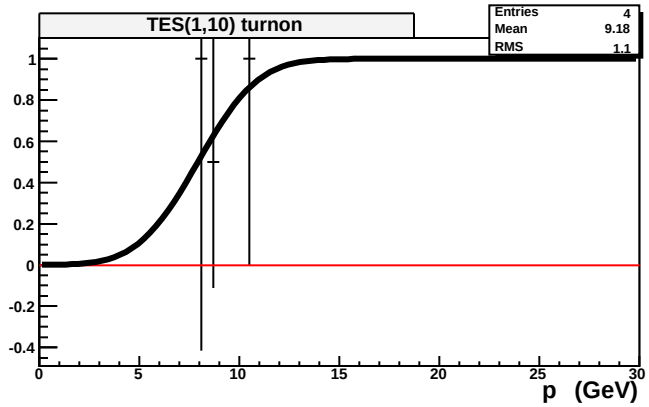

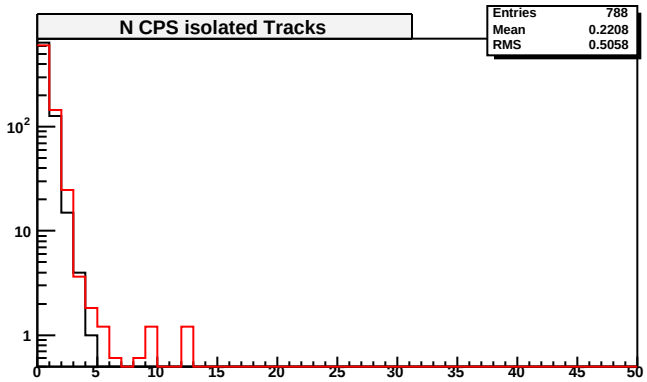

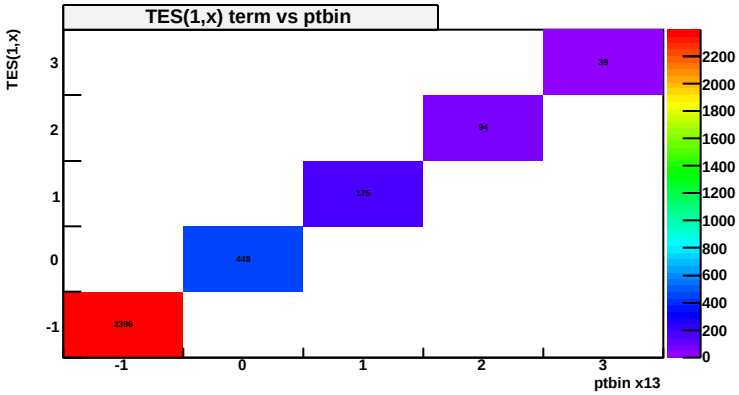

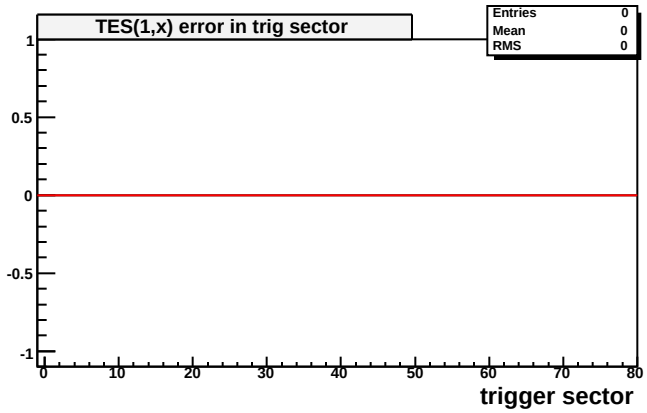

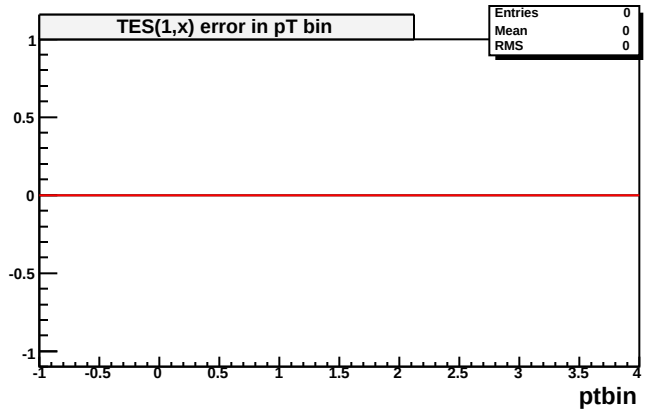

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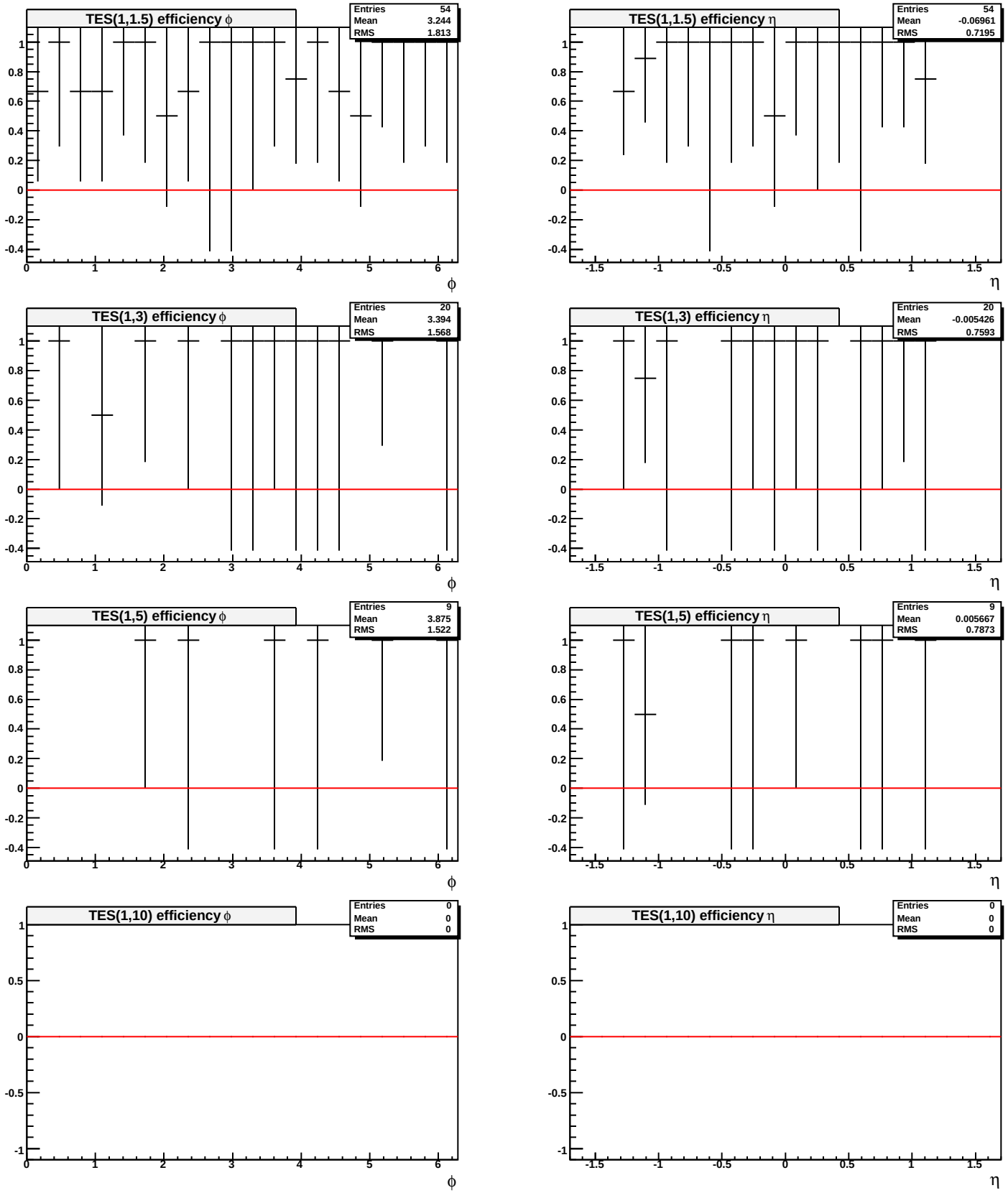

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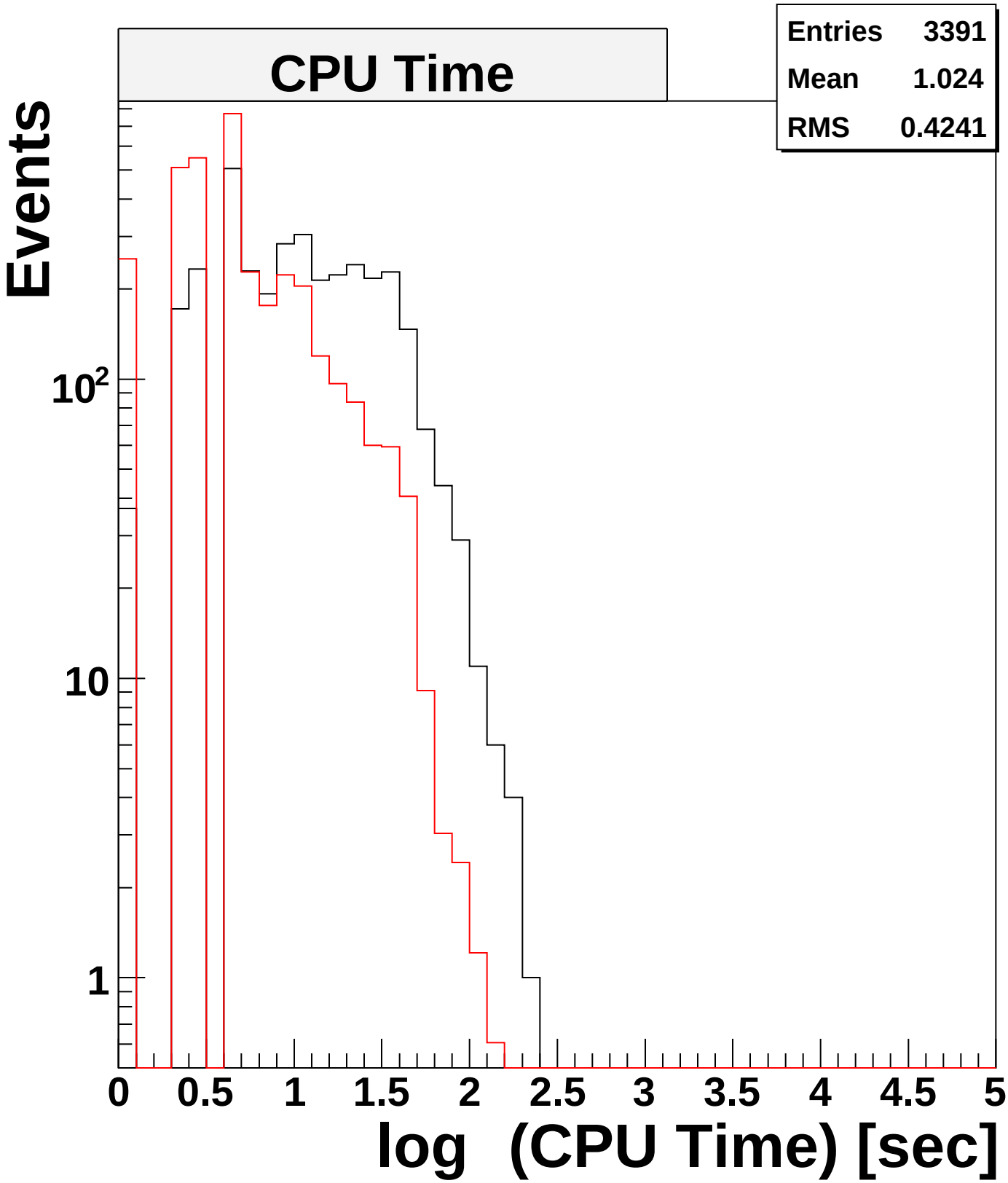

RECO Performance (Timing)