t0704b5_cosmic_r236960.root
p201101_cosmic_r236960.root

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Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
Page 7: Tracking (Efficiency - Isolated)
Page 8: Tracking (Efficiency - InJets)
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Page 10: Vertices (Primary - best)
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Page 16: Muons (All)
Page 17: Muons (Matched)
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Page 23: Met (No cuts)
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Page 42: CPS Clusters (All Clusters)
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Page 45: SmtClusters (allHDiskClusters)
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Page 49: SmtClusters (ClustrBar3)
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Page 51: SmtClusters (ClustrBar5)
Page 52: SmtClusters (ClustrBar6)
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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)
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Page 68: MuonMDT (All)
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Page 79: L1CTT TTK Trigger Turn-on (All)
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Page 81: L1CTT TEL Trigger Turn-on (All)
Page 82: L1CTT TES Trigger Turn-on (All)
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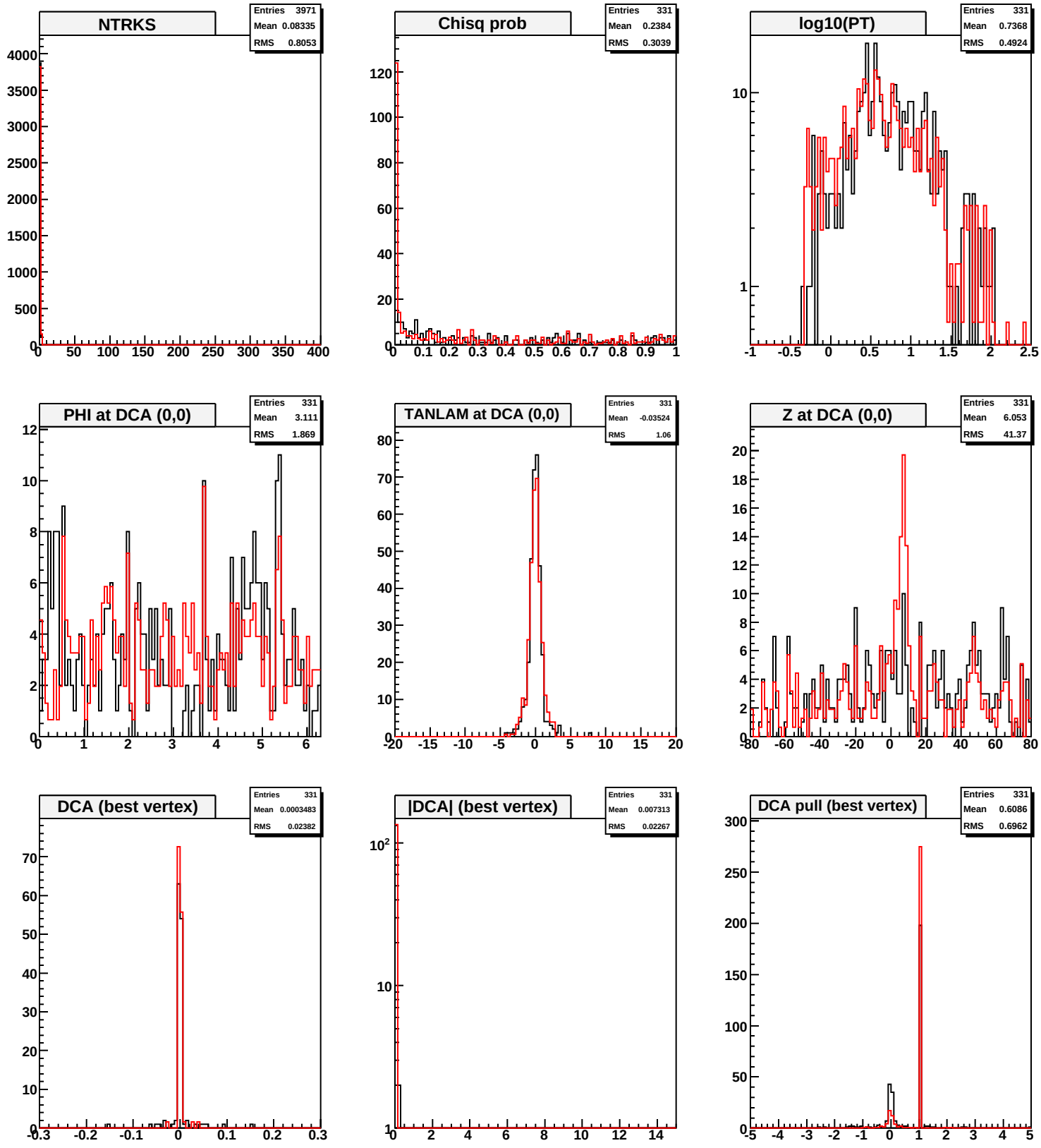
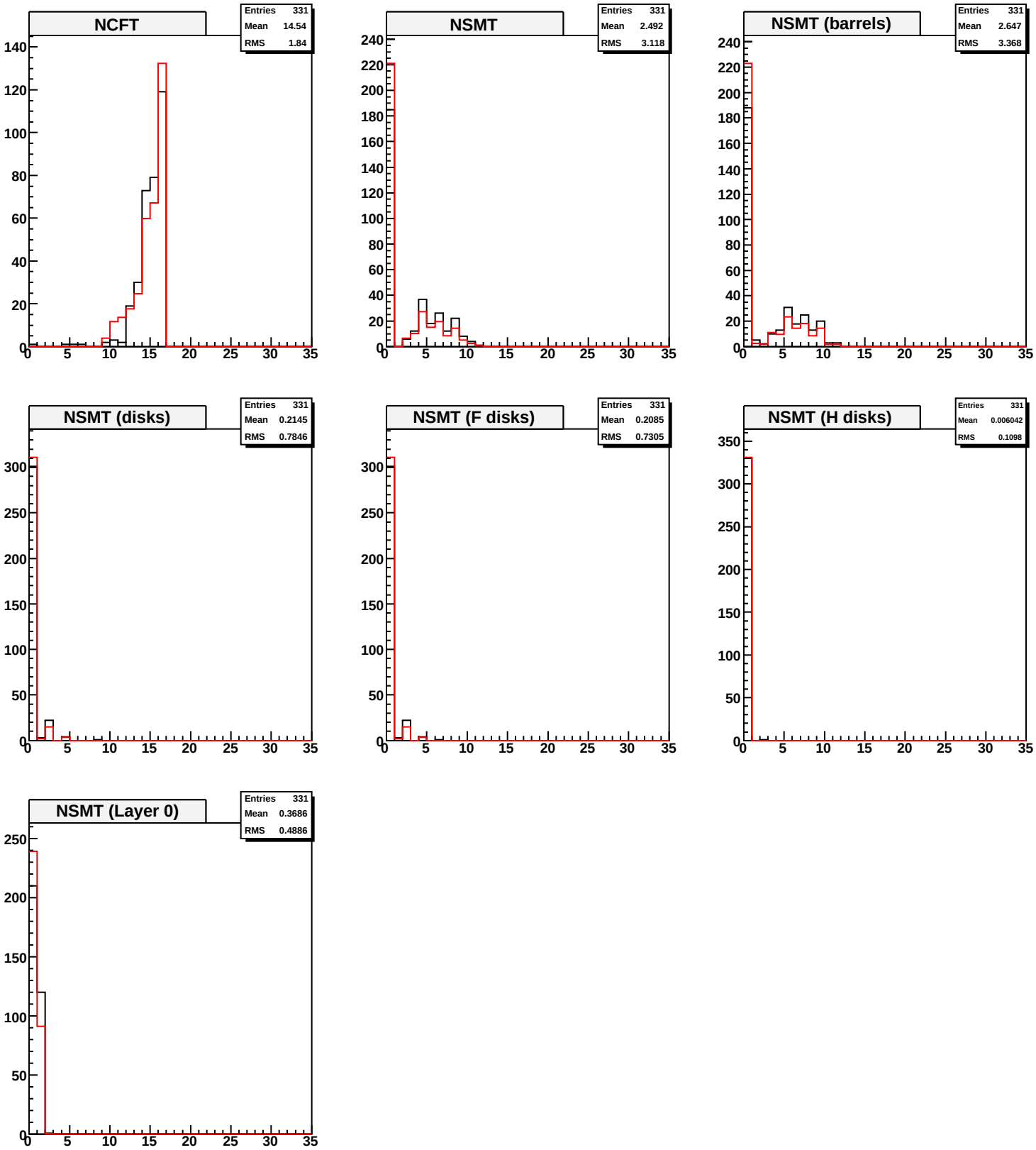
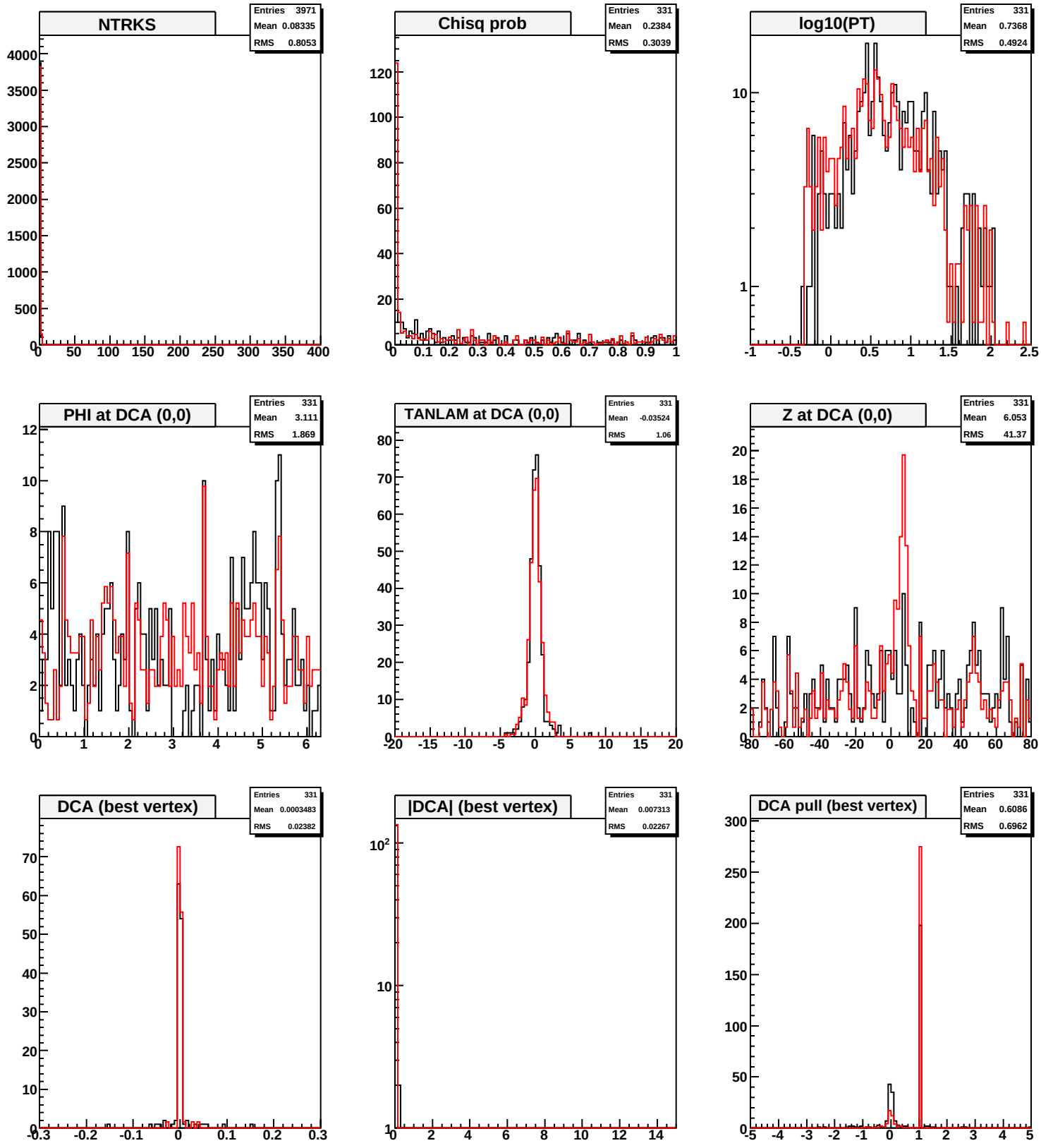
RecoCert_Plots (Index 2)


NTRKS
Entries 3971
Mean 0.08335
RMS 0.8053
Chisq prob
Entries 331
Mean 0.2384
RMS 0.3039
log10(PT)
Entries 331
Mean 0.7368
RMS 0.4924
PHI at DCA (0,0)
Entries 331
Mean 3.111
RMS 1.869
TANLAM at DCA (0,0)
Entries 331
Mean -0.03524
RMS 1.06
Z at DCA (0,0)
Entries 331
Mean 6.053
RMS 41.37
DCA (best vertex)
Entries 331
Mean 0.0003483
RMS 0.02382
|DCA| (best vertex)
Entries 331
Mean 0.007313
RMS 0.02267
DCA pull (best vertex)
Entries 331
Mean 0.6086
RMS 0.6962

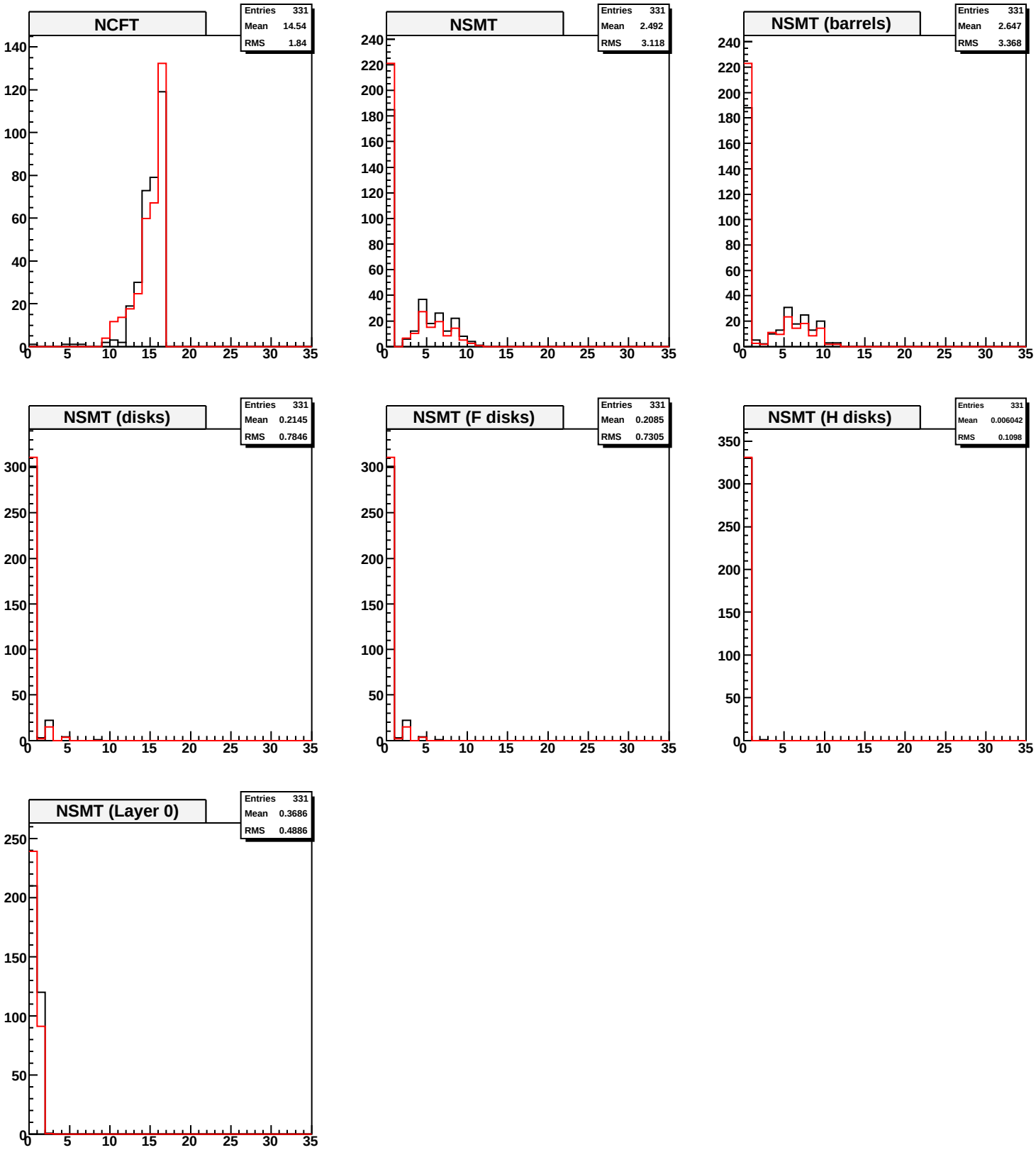
Tracks (All)



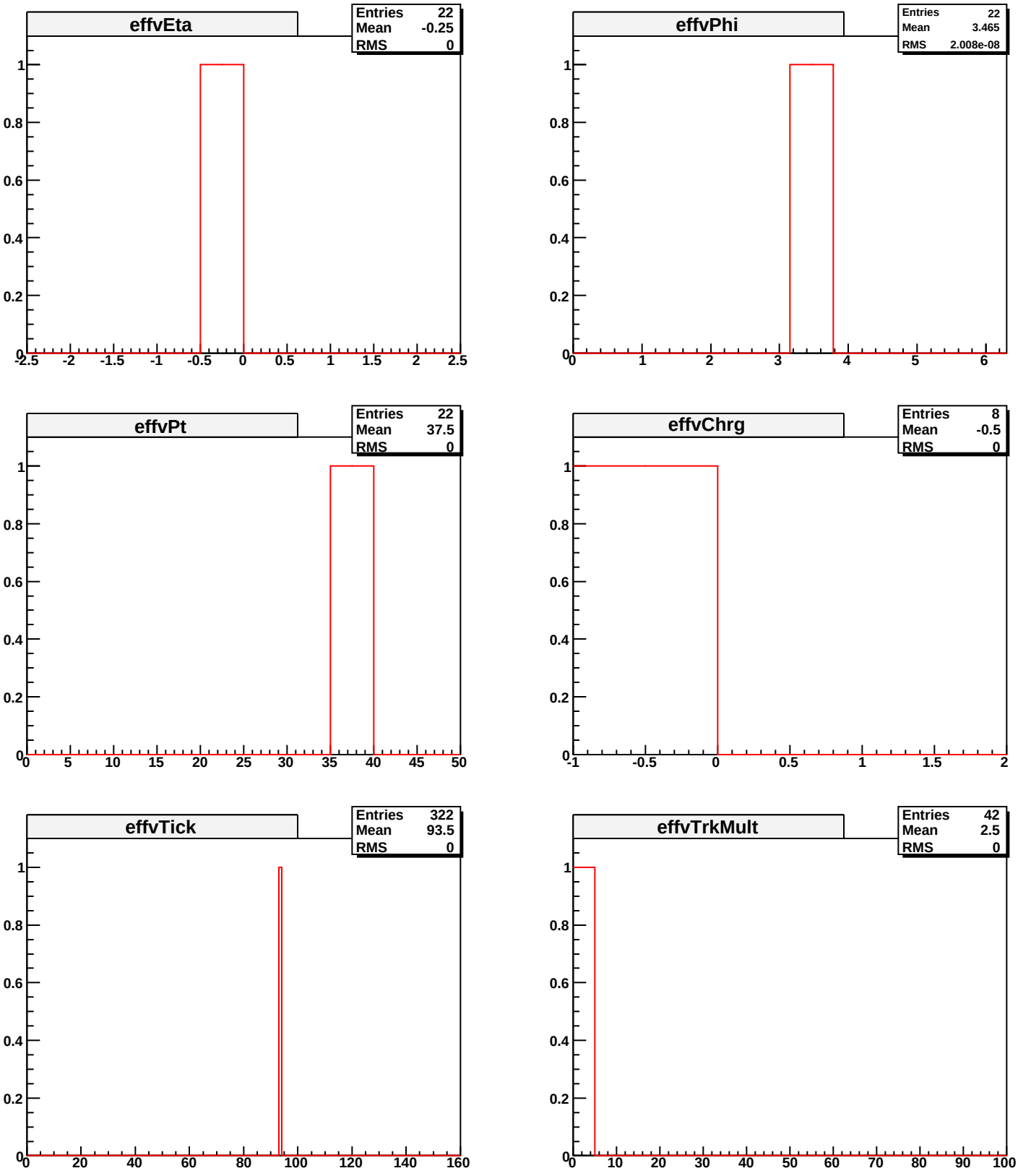
Track Hits (All)



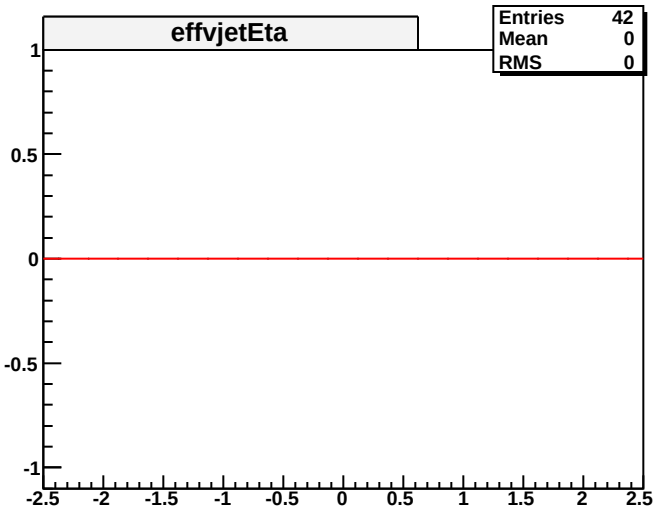
Tracks (Tight)

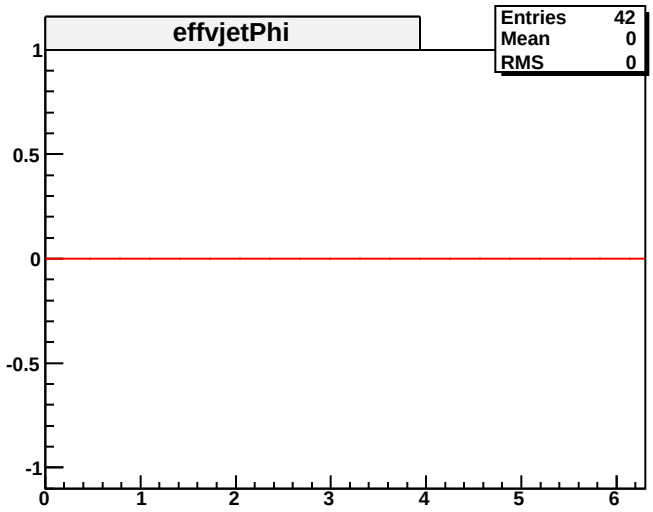


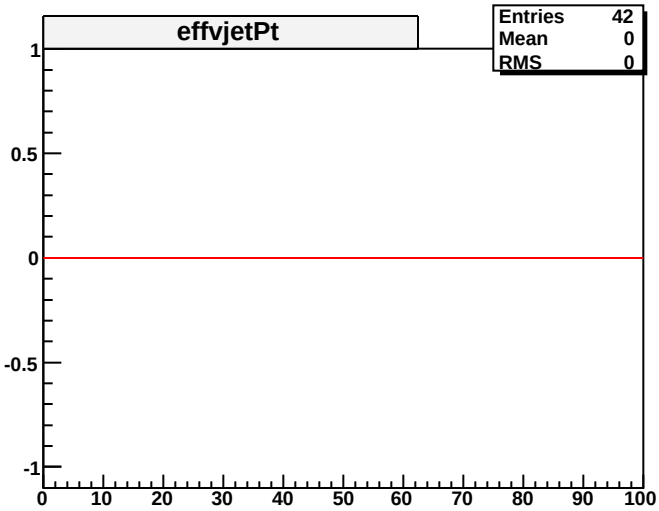
Track Hits (Tight)



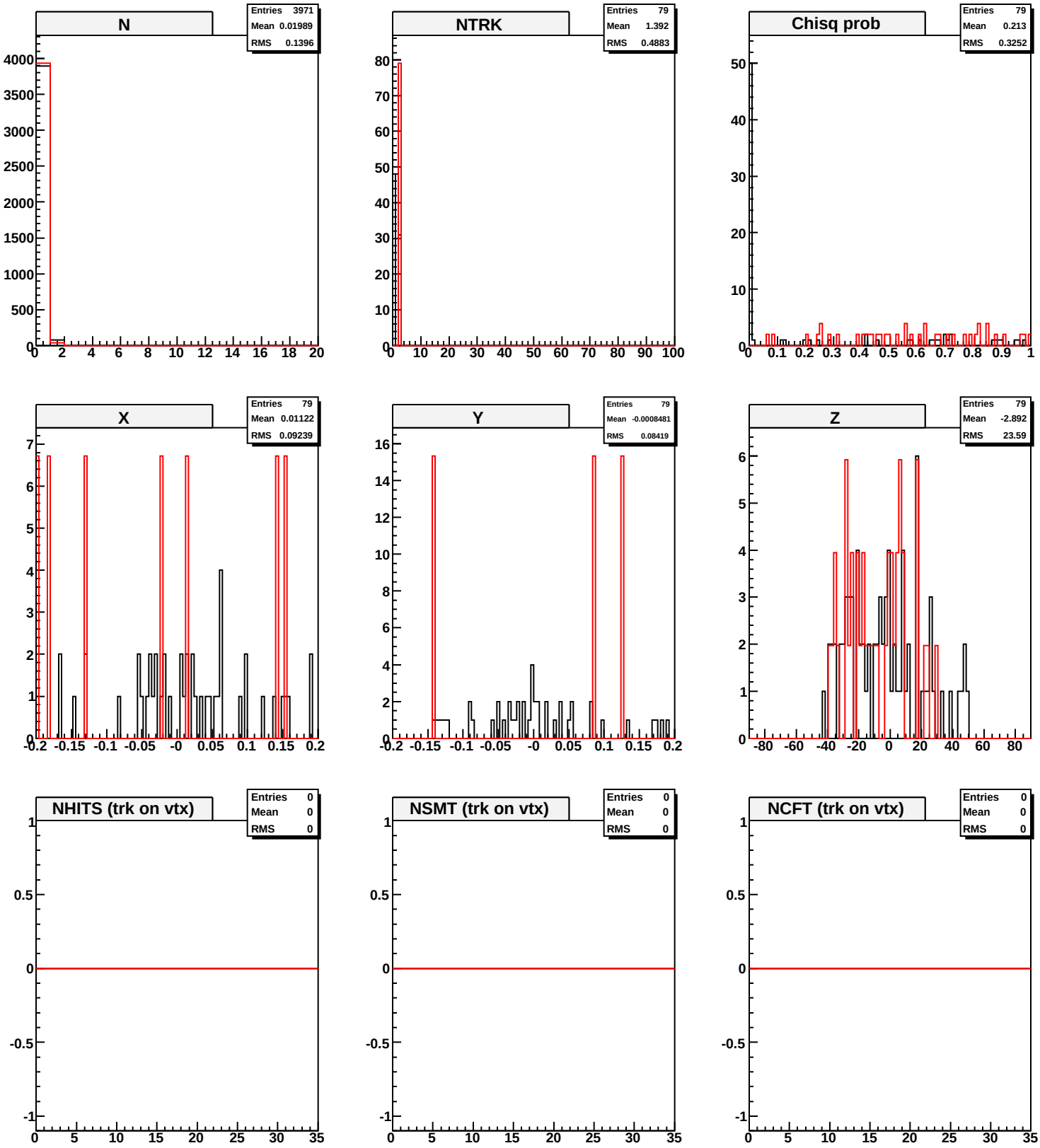
Tracking (Efficiency-Isolated)



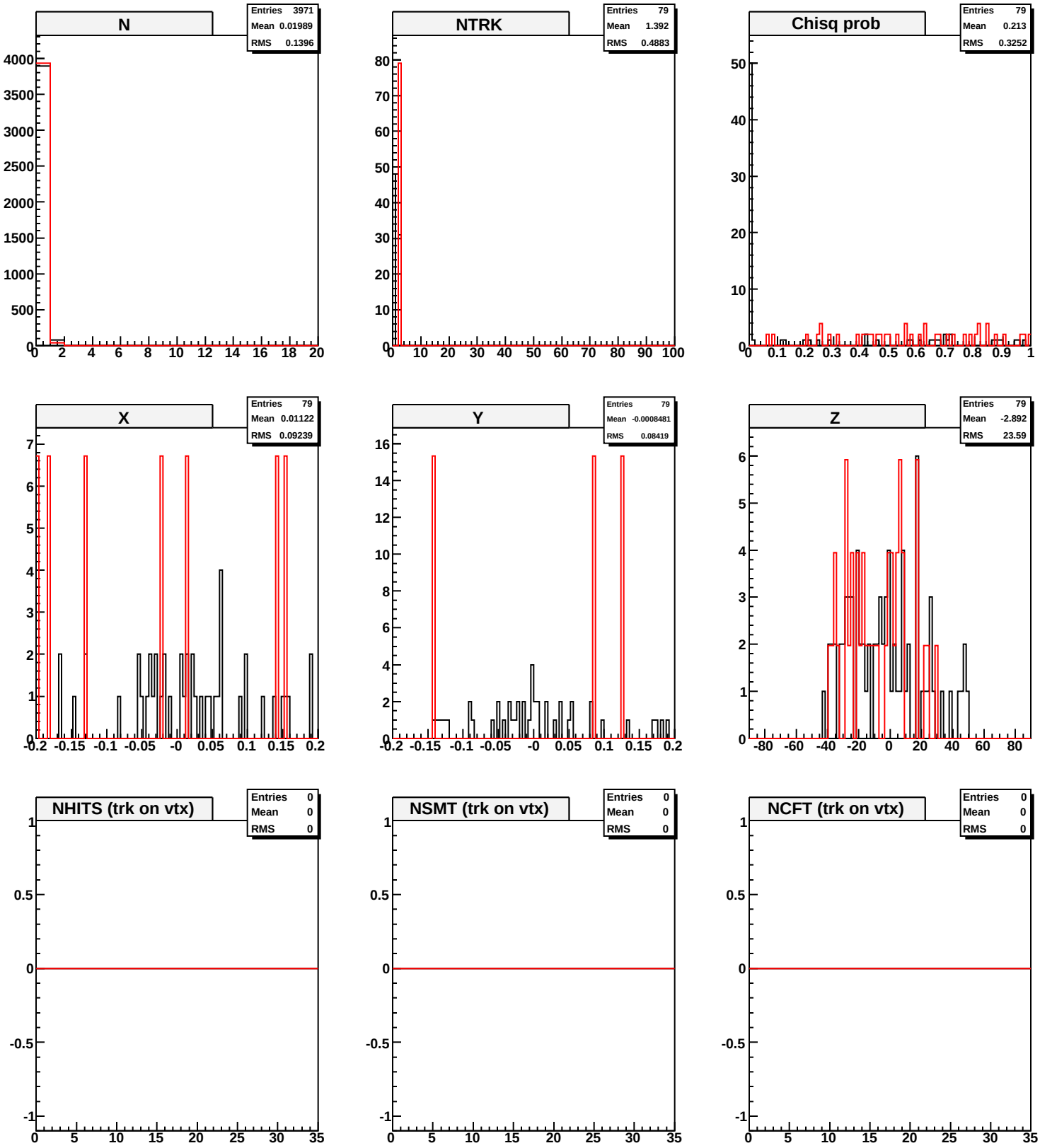




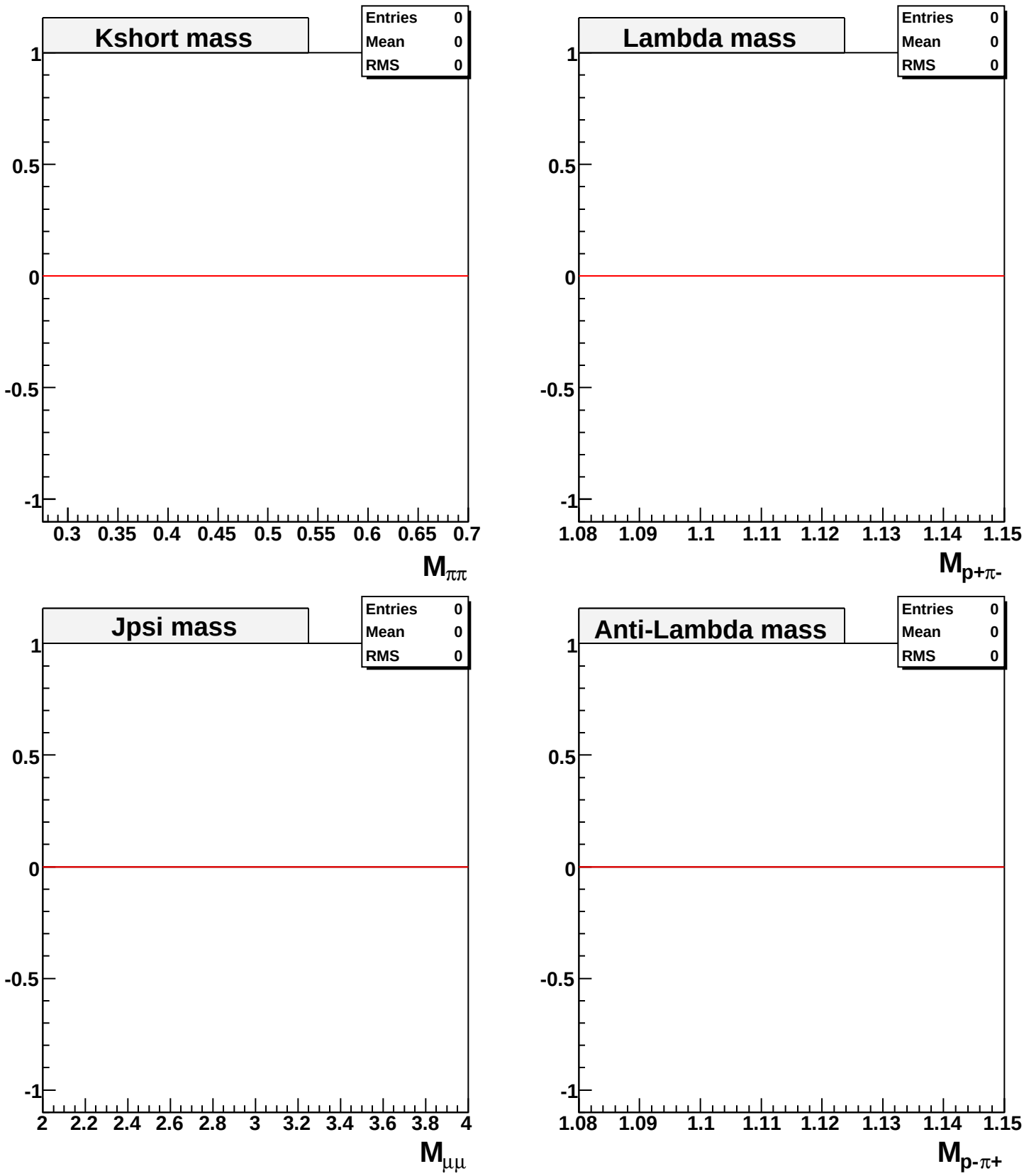
Tracking (Efficiency-InJets)



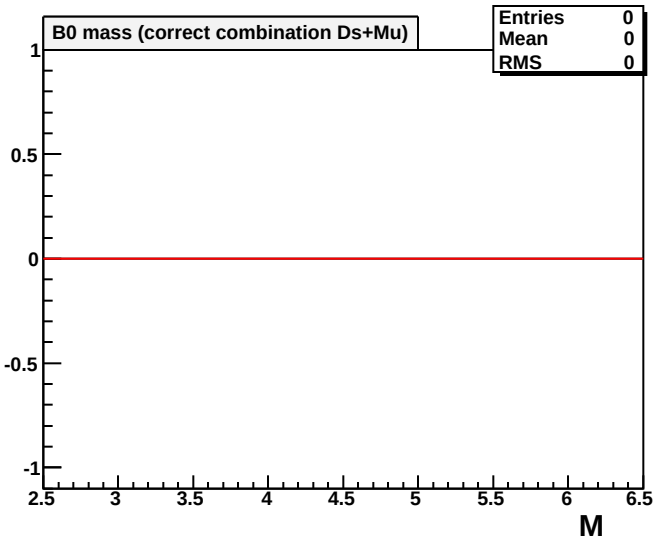
Vertices (Primary - all candidates)

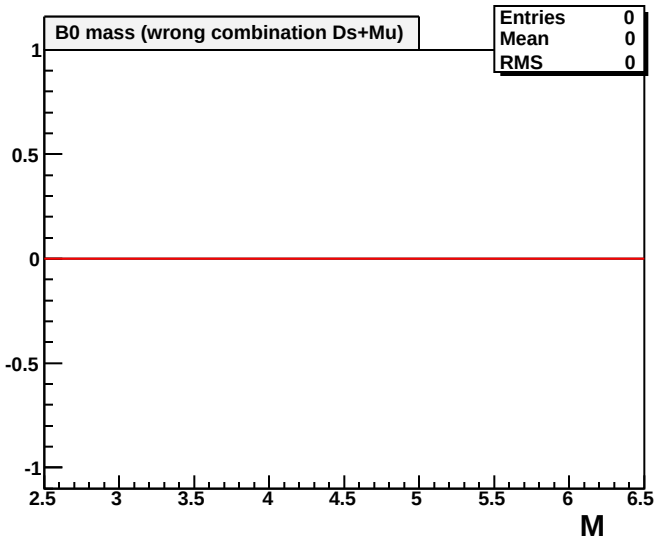


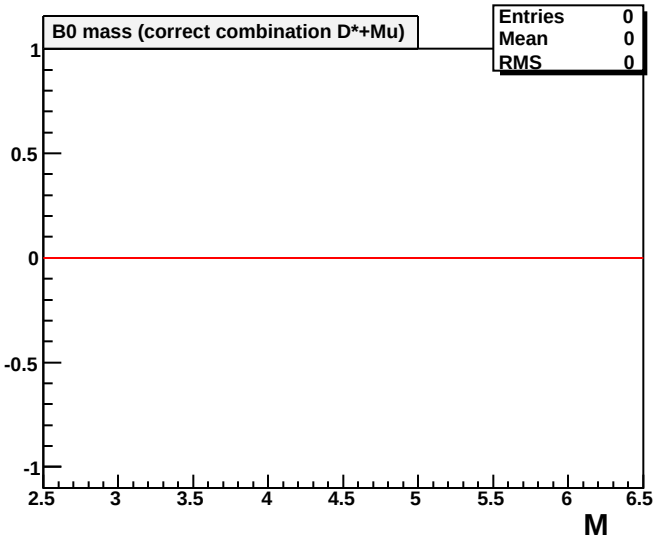
Vertices (Primary - best)

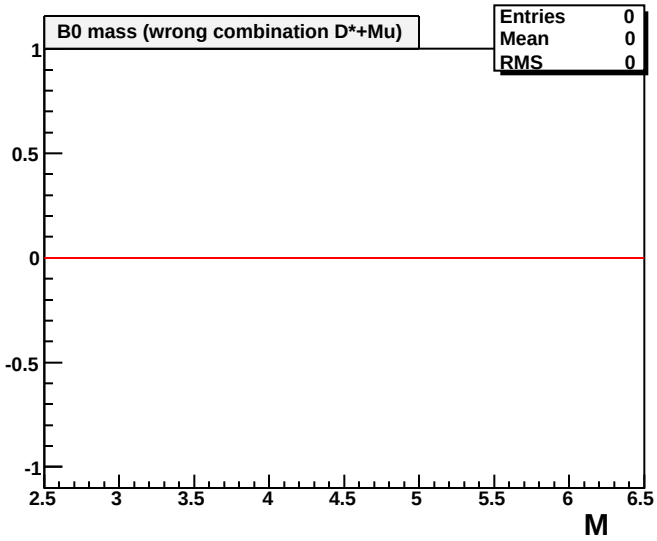

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$
Lambda mass
Entries 0
Mean 0
RMS 0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$
Jpsi mass
Entries 0
Mean 0
RMS 0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$
Anti-Lambda mass
Entries 0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

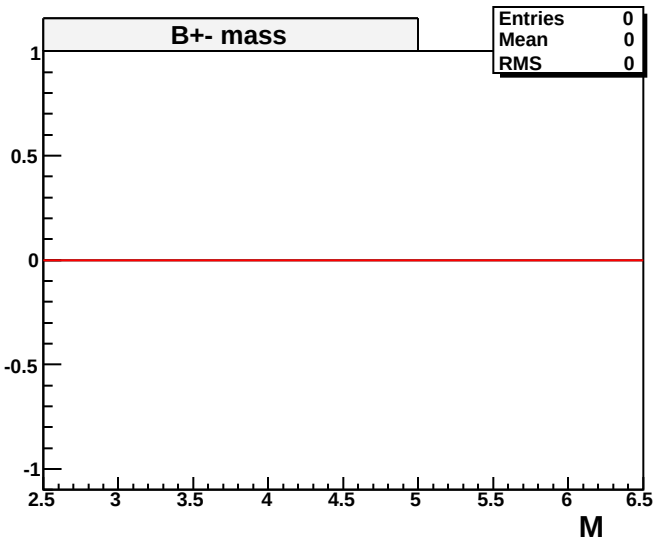
V0 (All)



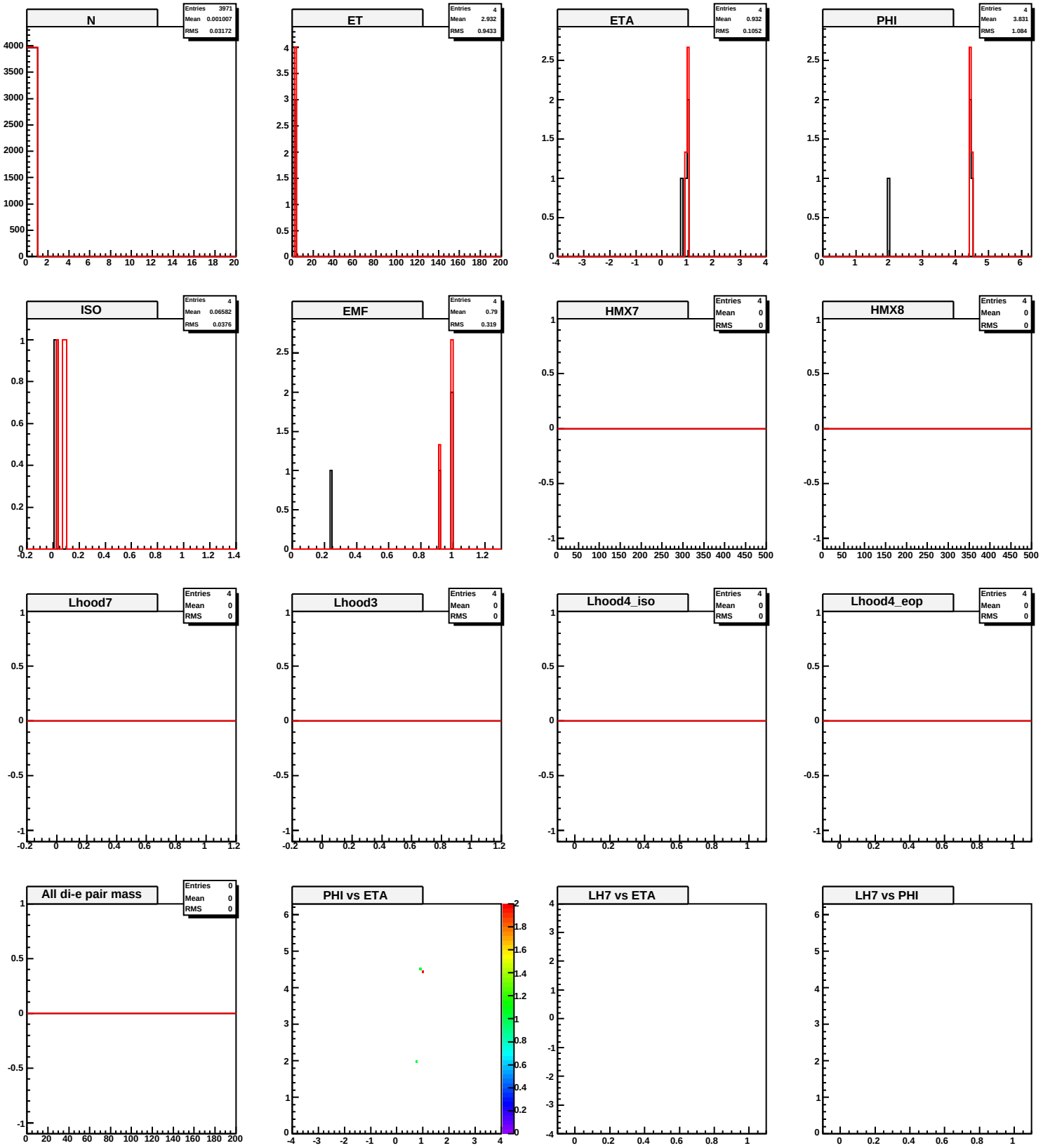




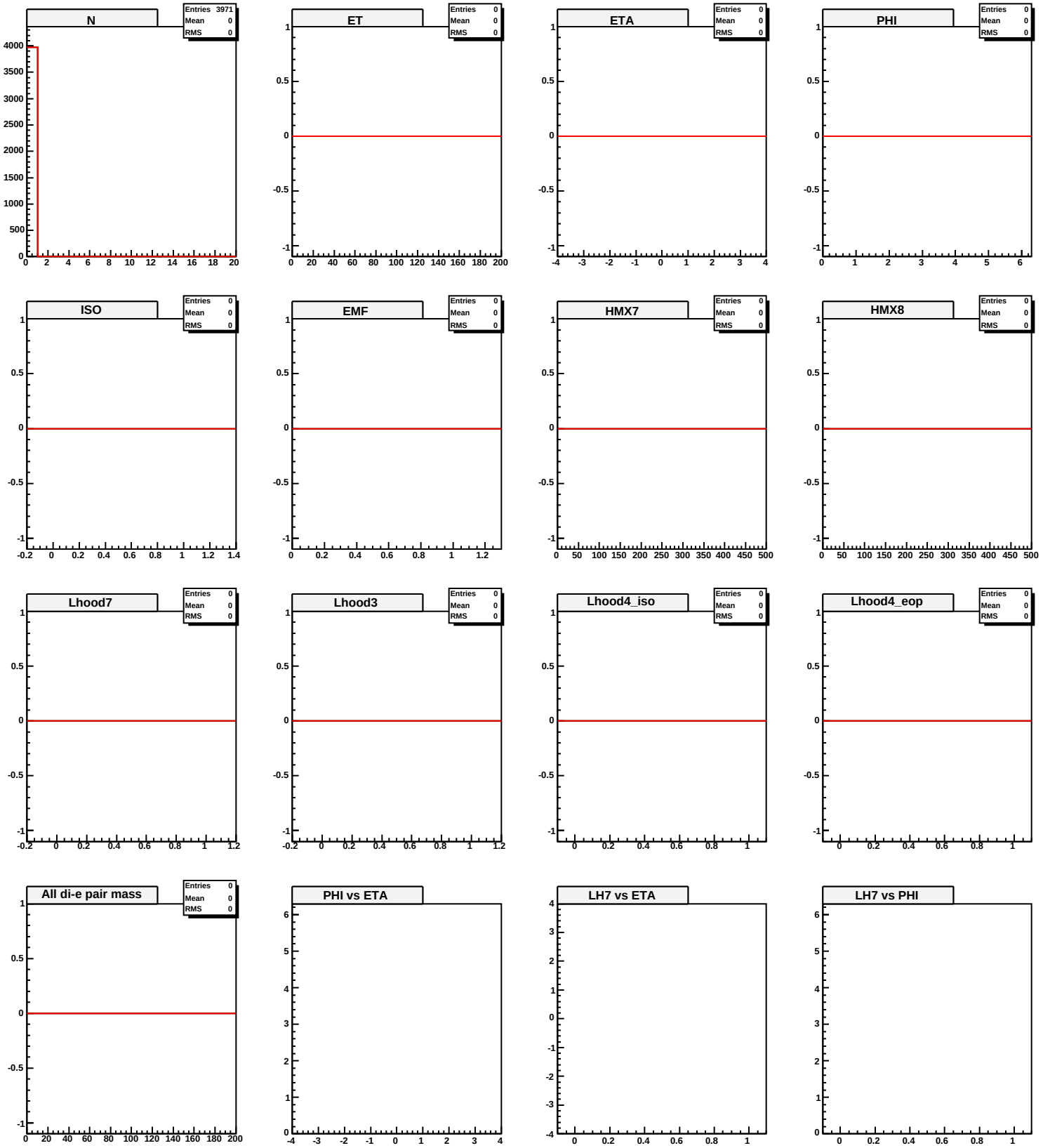




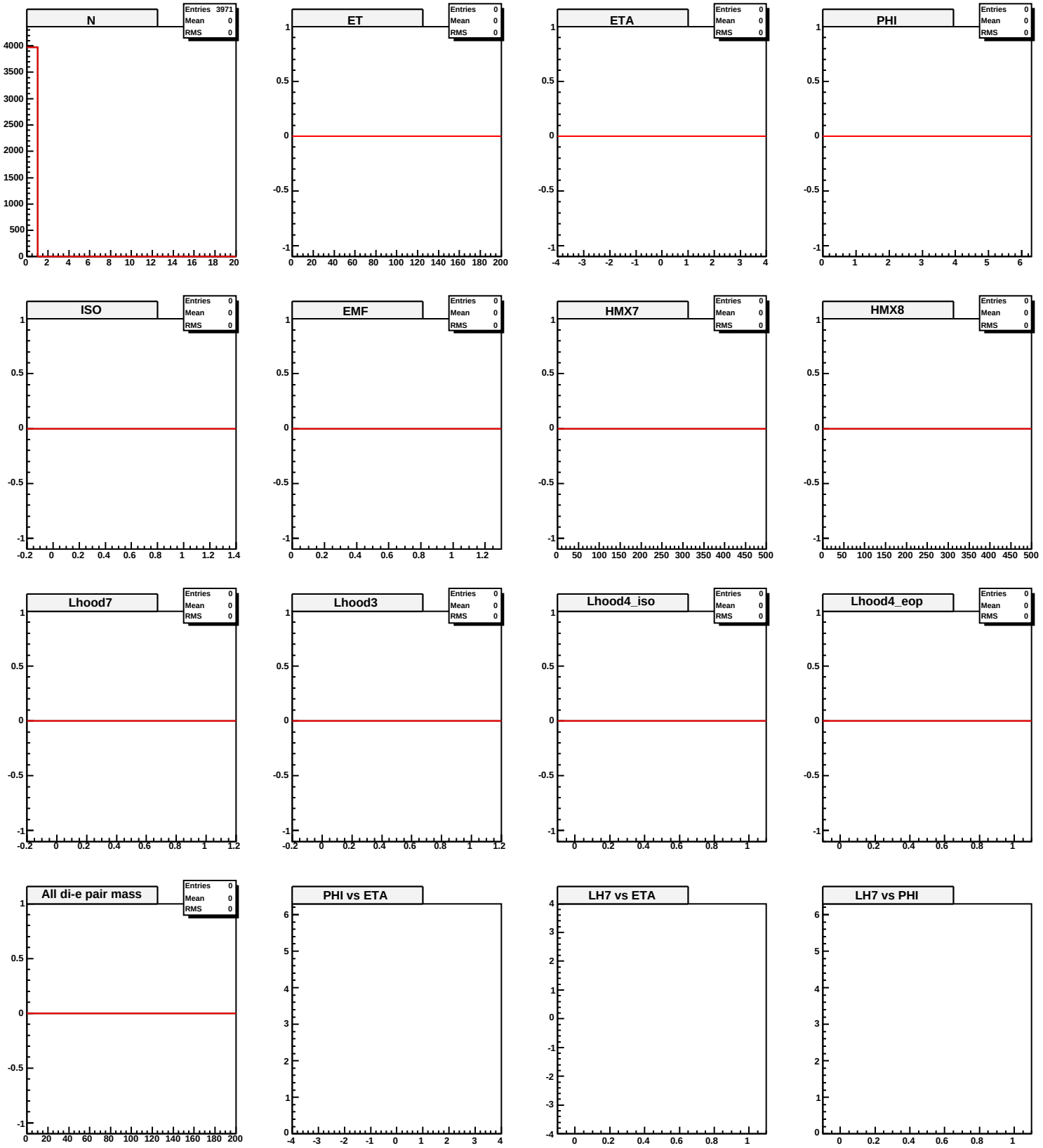
V0(B mesons) (All)



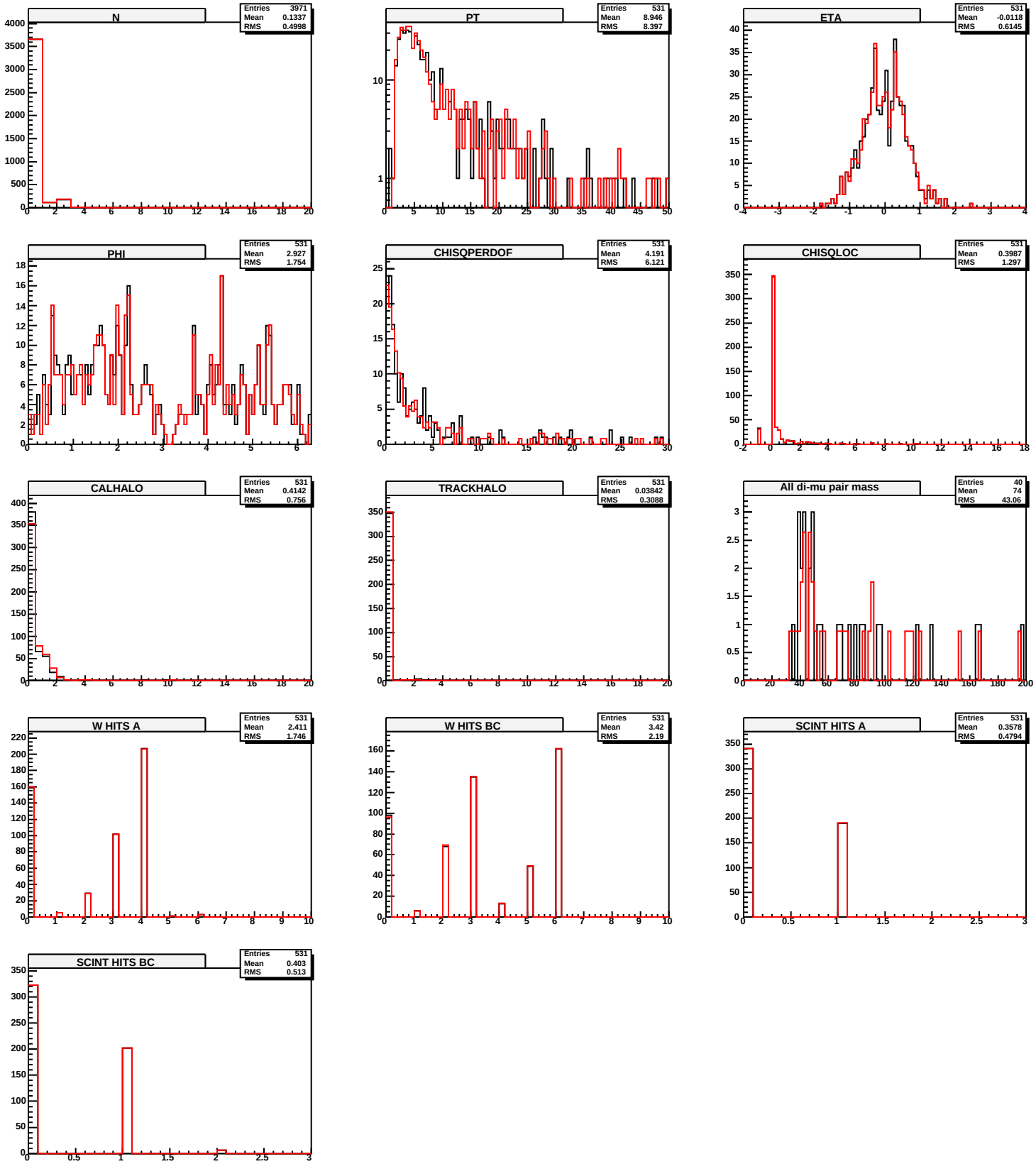
Electrons (SCONE All)



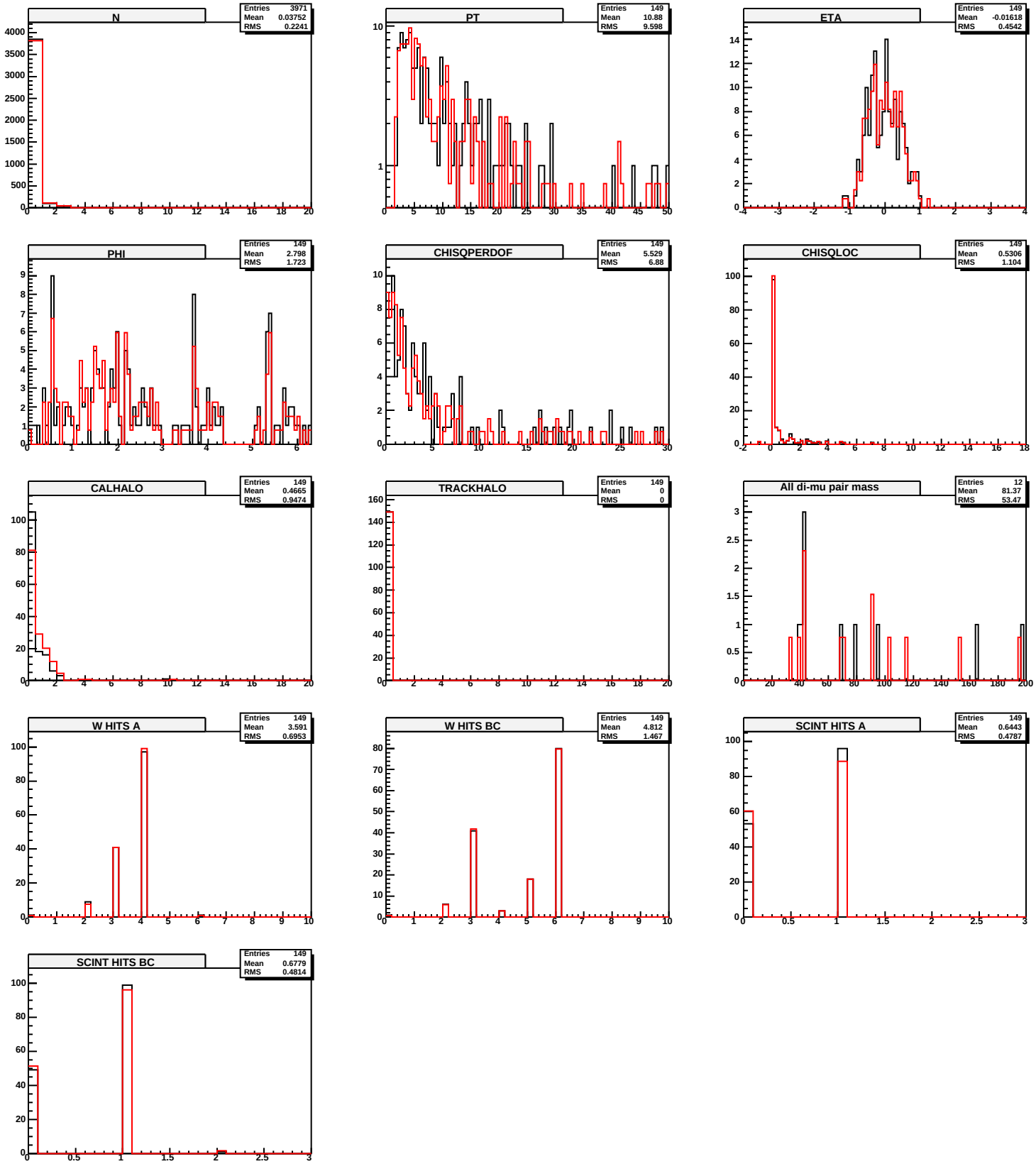
Electrons (SCONE Loose)



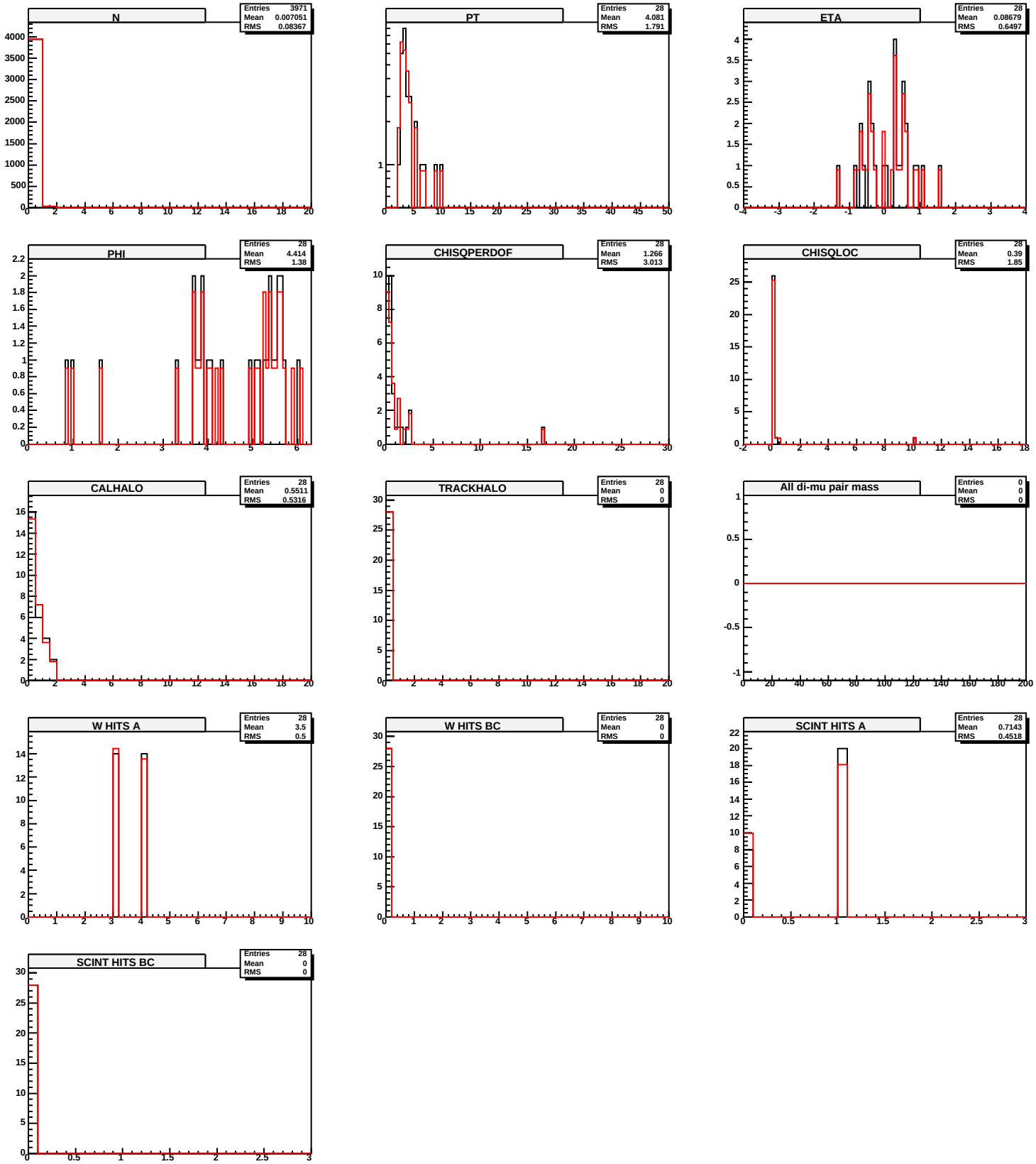
Electrons (SCONE Tight)


N
Entries 3971
Mean 0.1337
RMS 0.4998
PT
Entries 531
Mean 8.946
RMS 8.397
ETA
Entries 531
Mean -0.0118
RMS 0.6145
PHI
Entries 531
Mean 2.927
RMS 1.754
CHISQPERDOF
Entries 531
Mean 4.191
RMS 6.121
CHISQLOC
Entries 531
Mean 0.3987
RMS 1.297
CALHALO
Entries 531
Mean 0.4142
RMS 0.756
TRACKHALO
Entries 531
Mean 0.03842
RMS 0.3088
All di-mu pair mass
Entries 40
Mean 74
RMS 43.06
W HITS A
Entries 531
Mean 2.411
RMS 1.746
W HITS BC
Entries 531
Mean 3.42
RMS 2.19
SCINT HITS A
Entries 531
Mean 0.3578
RMS 0.4794
SCINT HITS BC
Entries 531
Mean 0.403
RMS 0.513

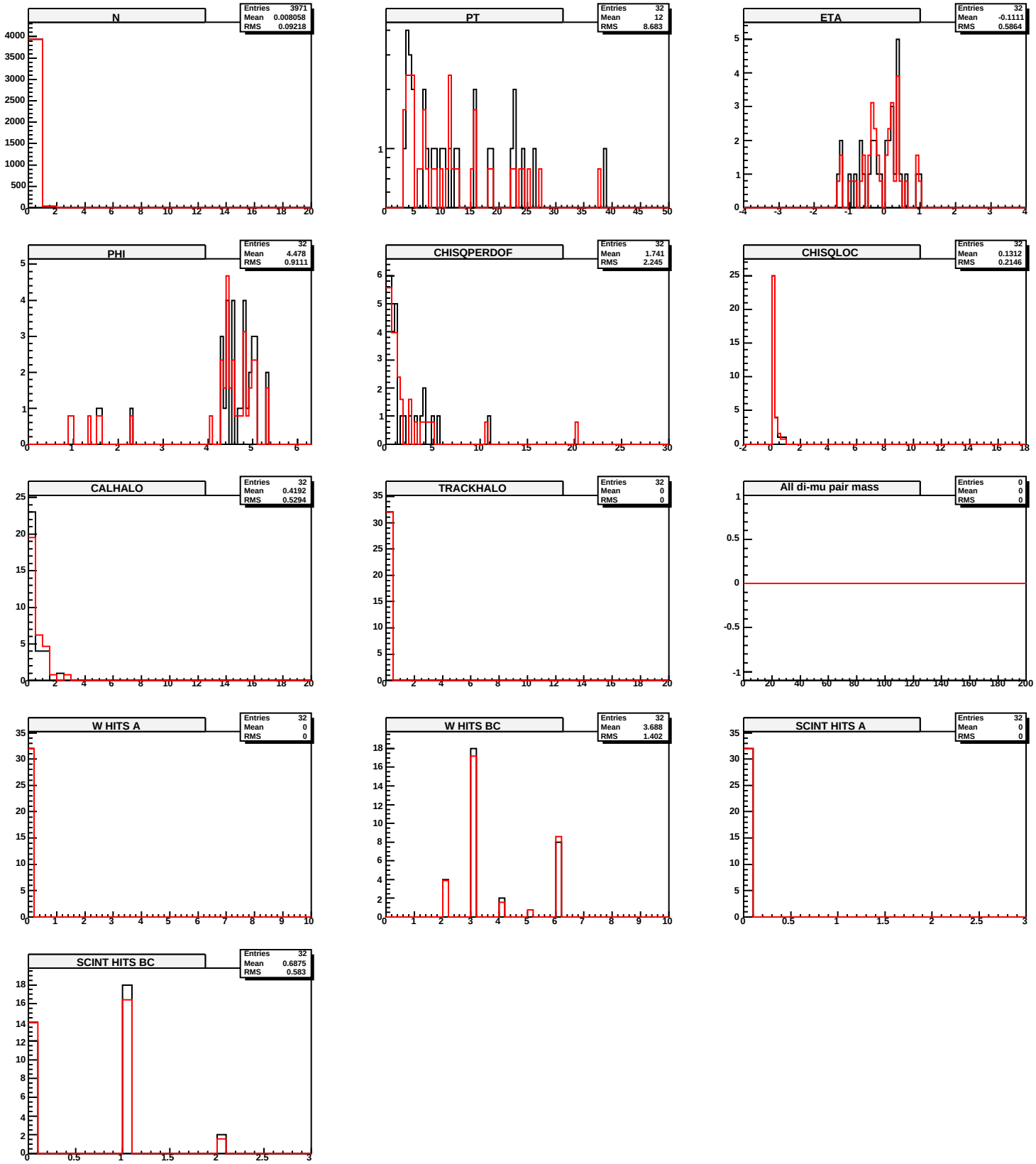
Muons (All)



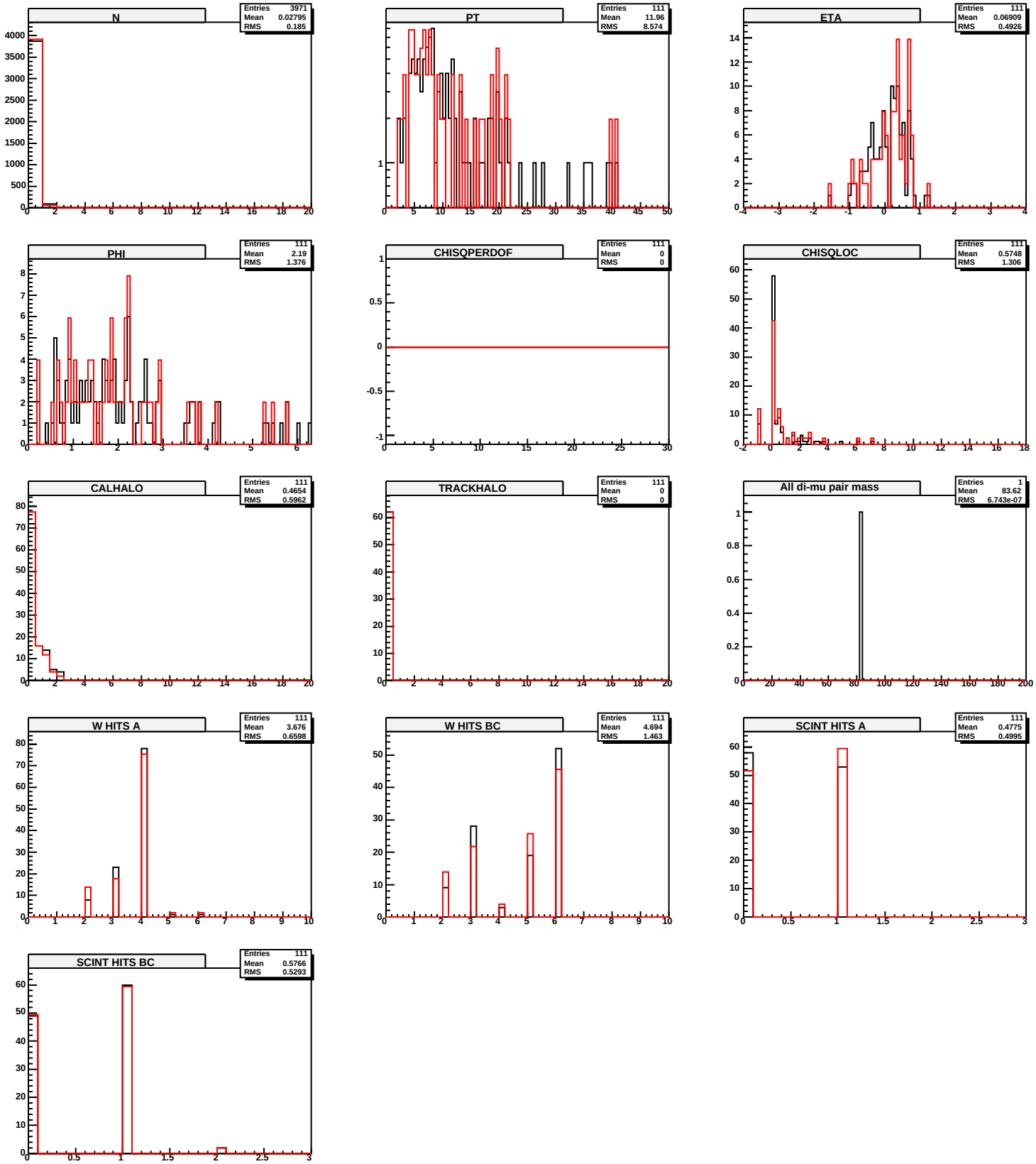
Muons (Matched)


N
Entries 3971
Mean 0.007051
RMS 0.08367
PT
Entries 28
Mean 4.081
RMS 1.791
ETA
Entries 28
Mean 0.08679
RMS 0.6497
PHI
Entries 28
Mean 4.414
RMS 1.38
CHISQPERDOF
Entries 28
Mean 1.266
RMS 3.013
CHISQLOC
Entries 28
Mean 0.39
RMS 1.85
CALHALO
Entries 28
Mean 0.5511
RMS 0.5316
TRACKHALO
Entries 28
Mean 0
RMS 0
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 28
Mean 3.5
RMS 0.5
W HITS BC
Entries 28
Mean 0
RMS 0
SCINT HITS A
Entries 28
Mean 0.7143
RMS 0.4518
SCINT HITS BC
Entries 28
Mean 0
RMS 0

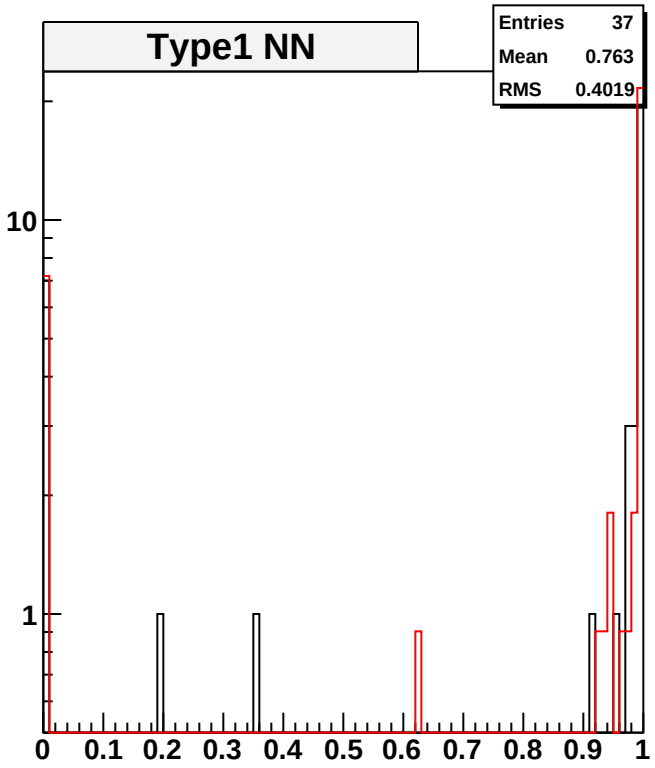
Muons (Astub)



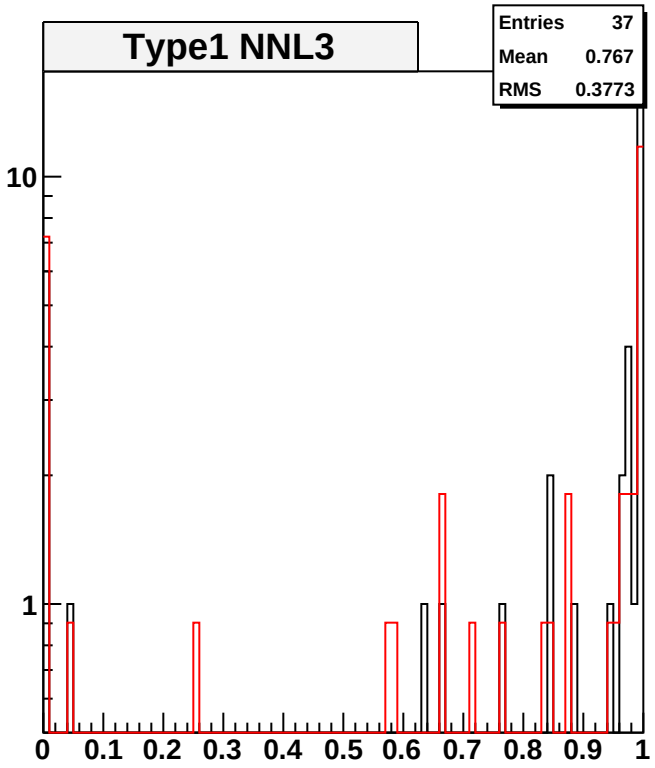
Muons (BCstub)

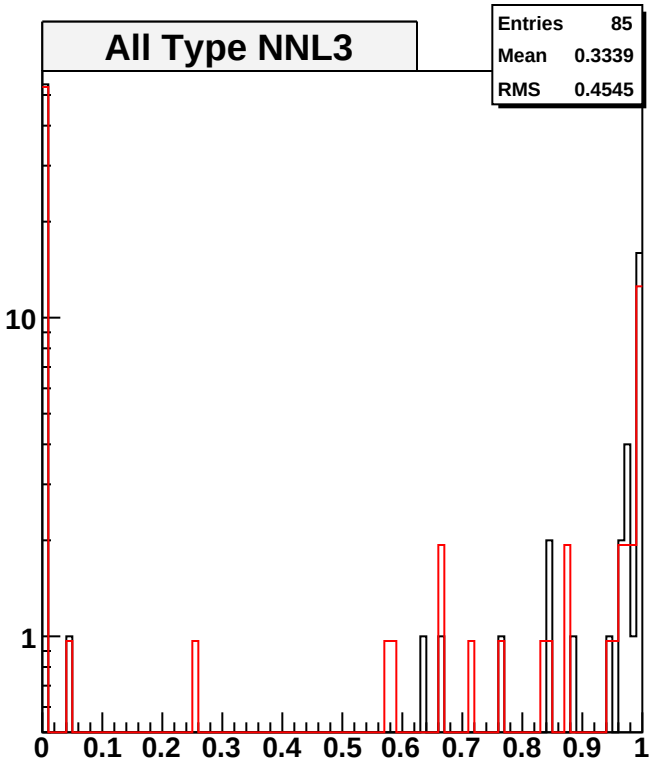


Muons (Unmatched)

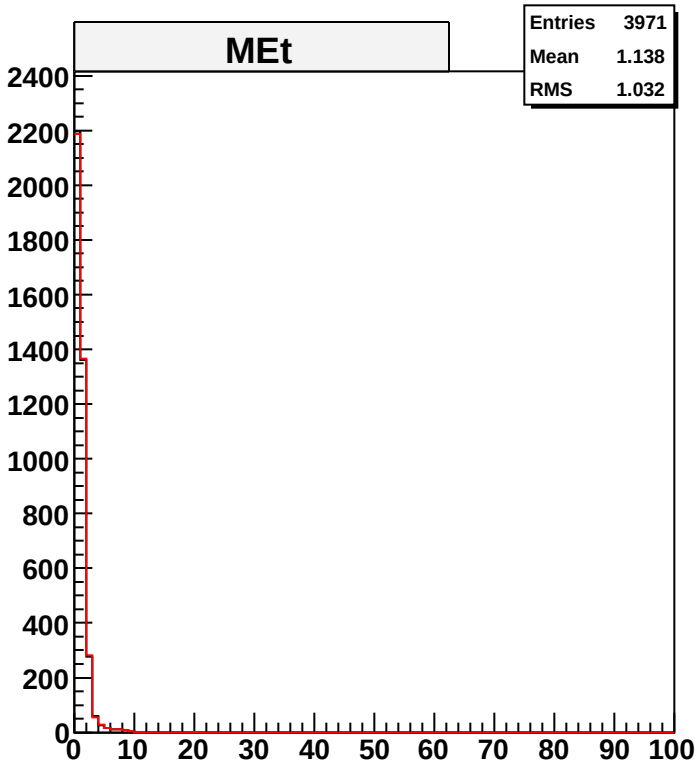


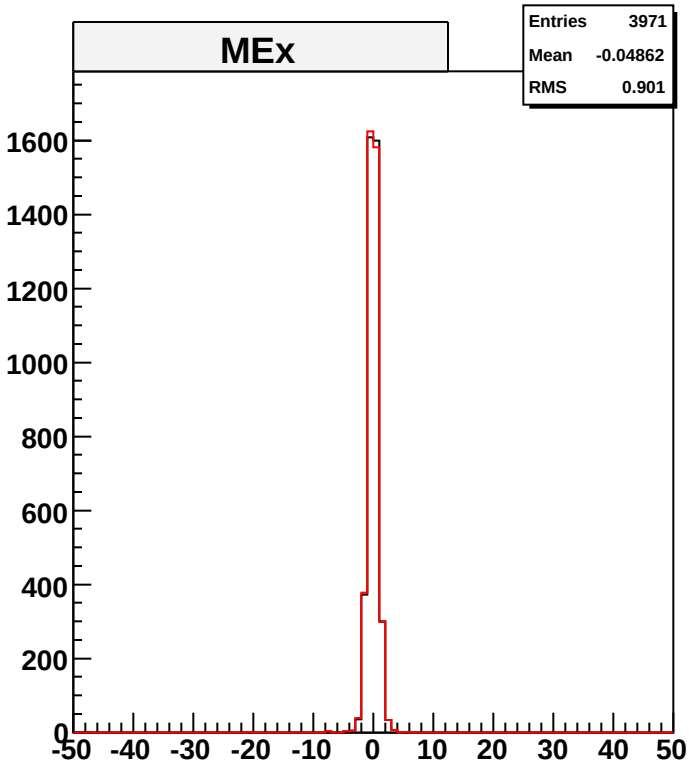
Taus NN (TAU All)

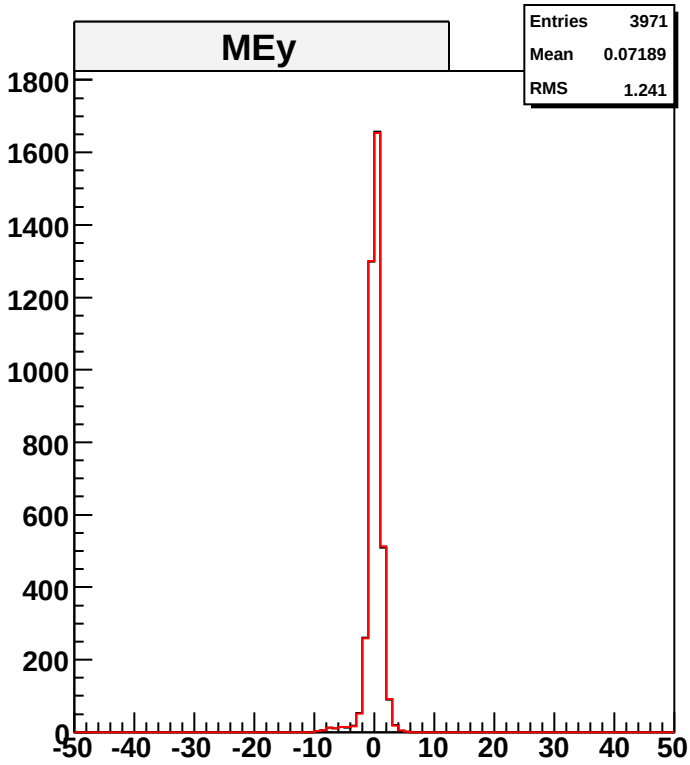




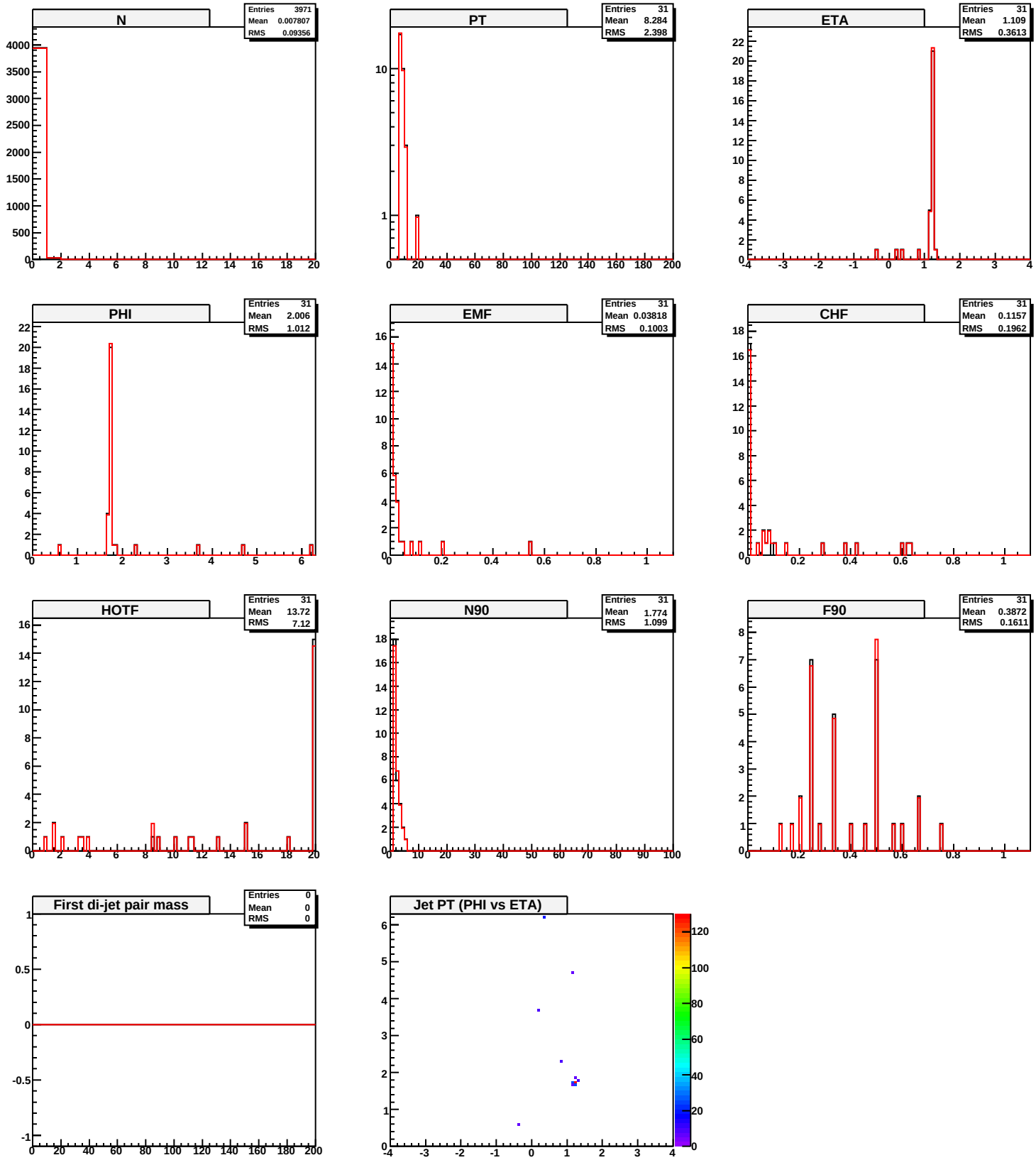
Taus NNL3 (TAU All)


MEt
Entries 3971
Mean 1.138
RMS 1.032
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
0 10 20 30 40 50 60 70 80 90 100

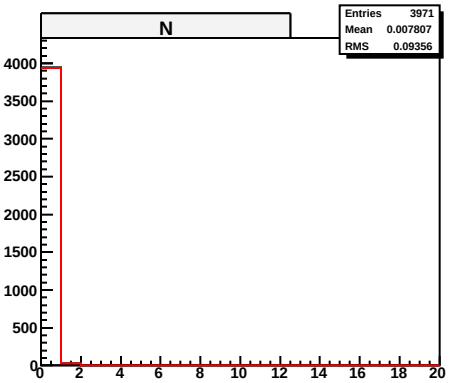

MEx
Entries 3971
Mean -0.04862
RMS 0.901
0
200
400
600
800
1000
1200
1400
1600
-50 -40 -30 -20 -10 0 10 20 30 40 50

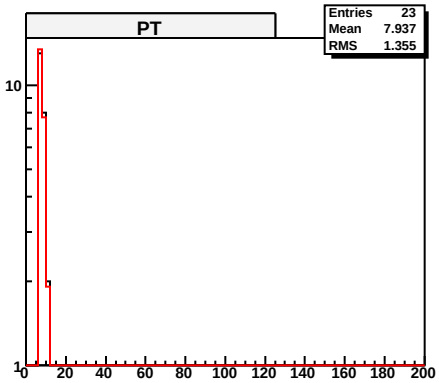

MEy
Entries 3971
Mean 0.07189
RMS 1.241
0
200
400
600
800
1000
1200
1400
1600
1800
-50 -40 -30 -20 -10 0 10 20 30 40 50

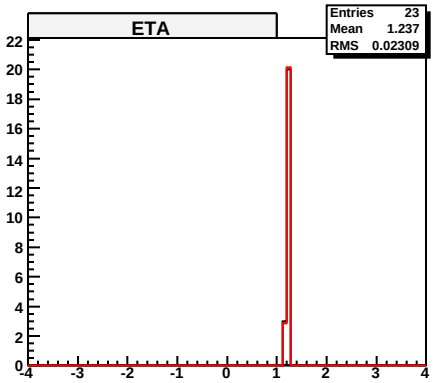
Met (No cuts)

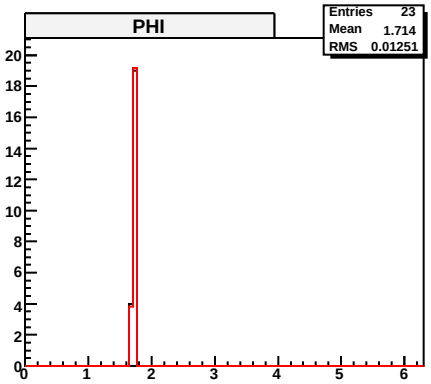


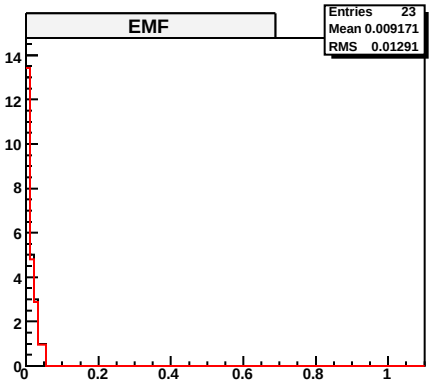
Jets (Cone R 0.7 (no cuts))

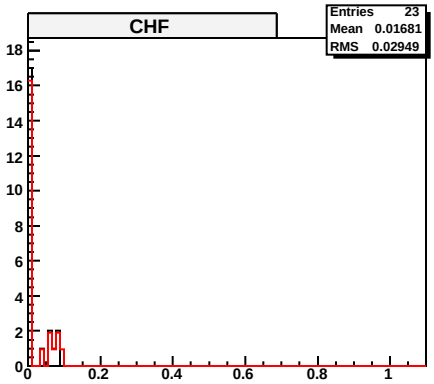


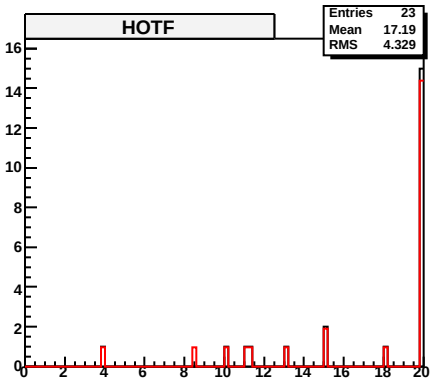


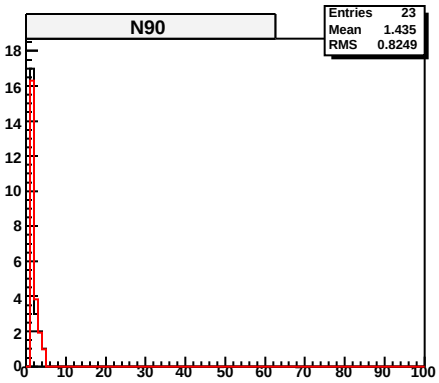


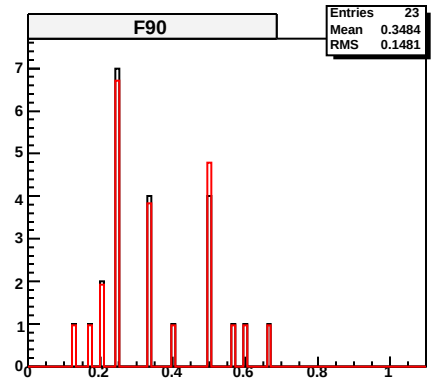


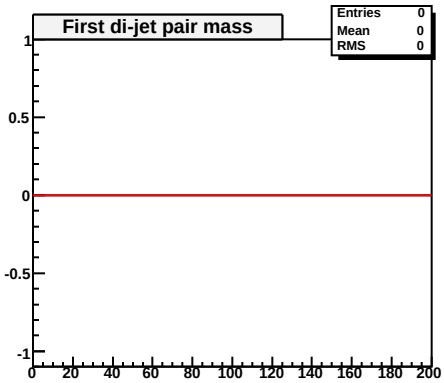


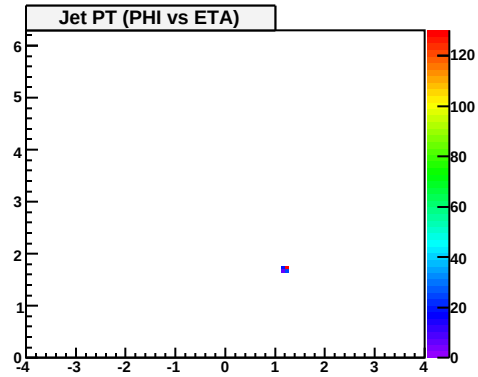




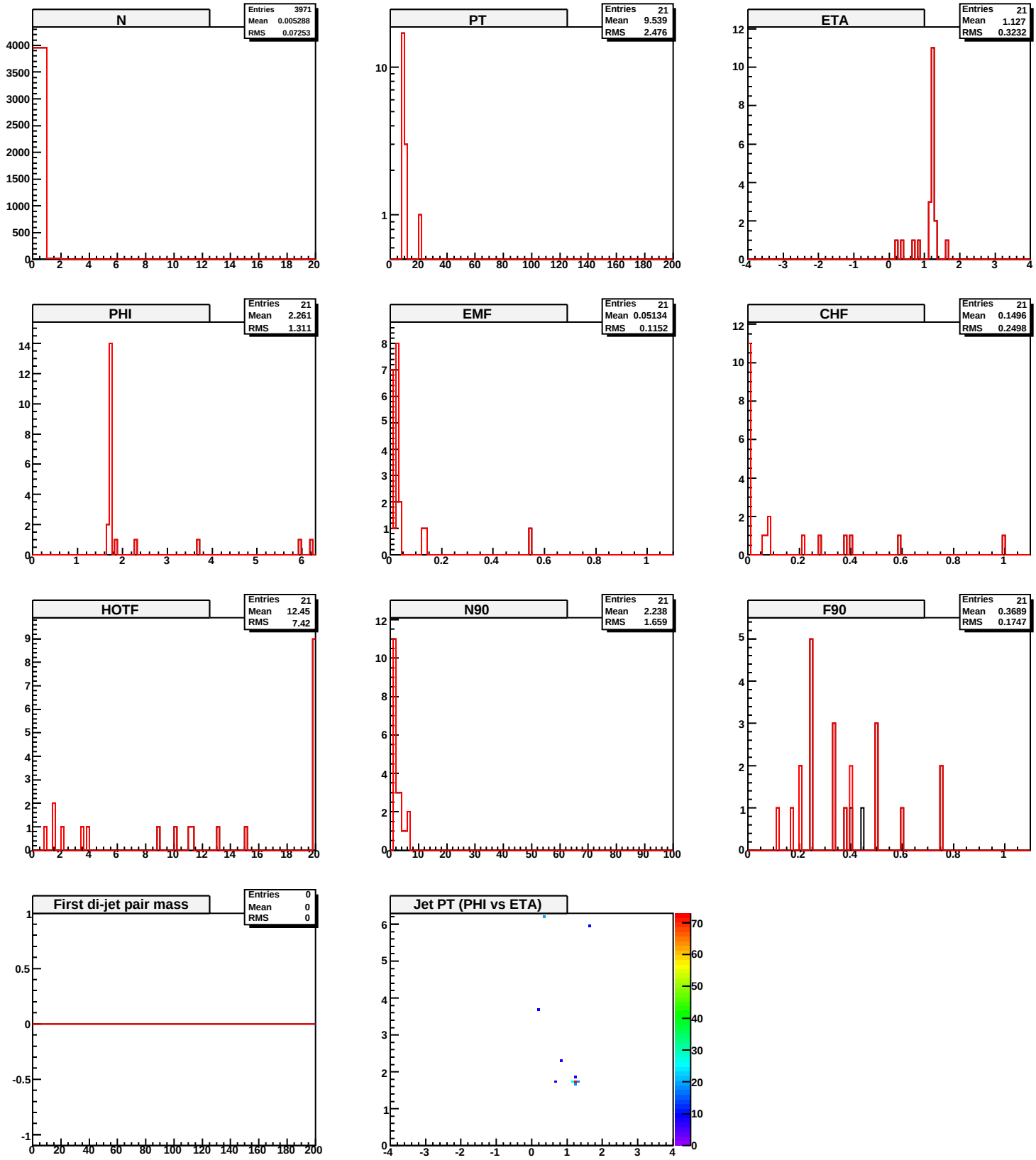




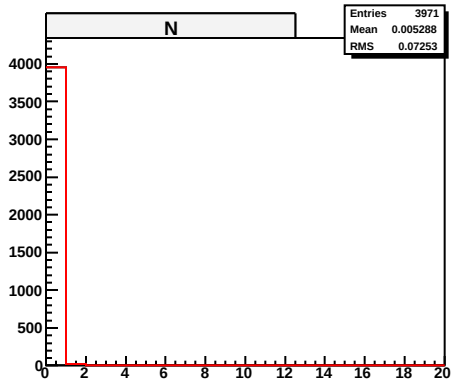


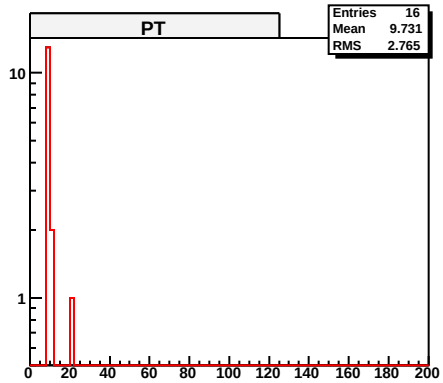


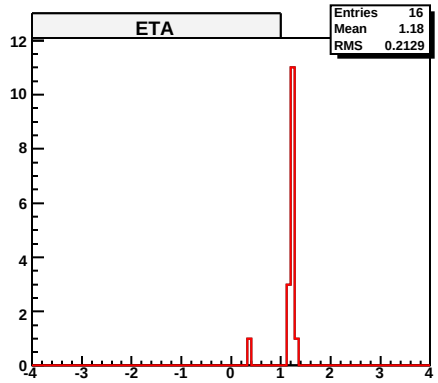
Jets (Cone R 0.7 (standard cuts))

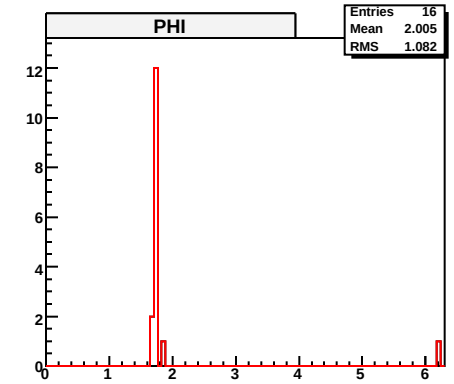


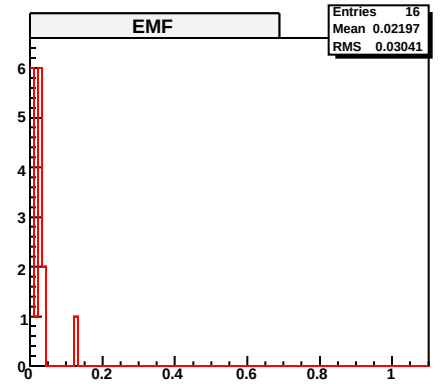
Jets (KT D 1 (no cuts))

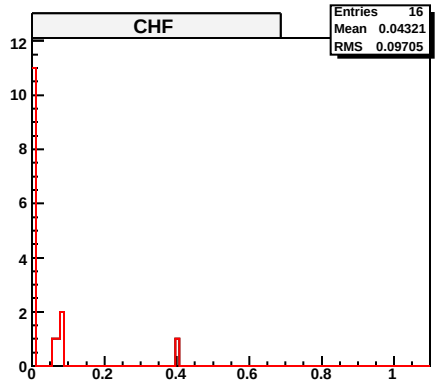


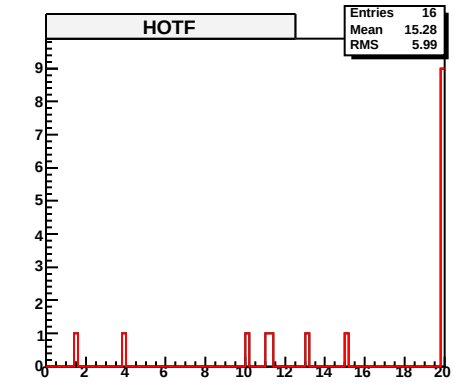


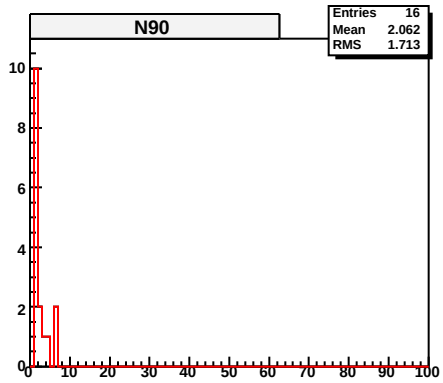


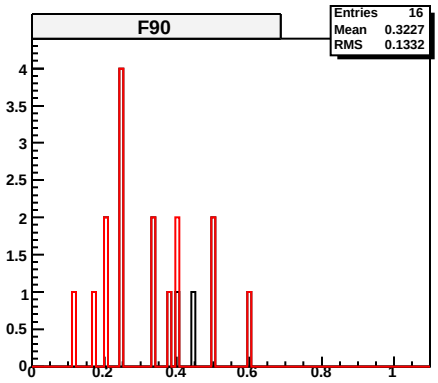


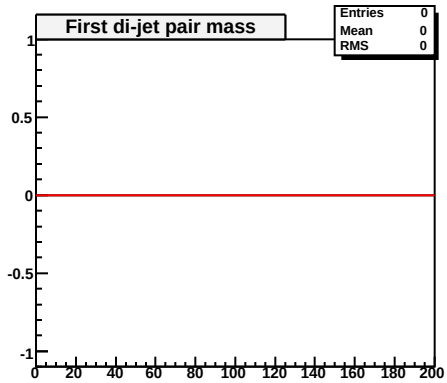


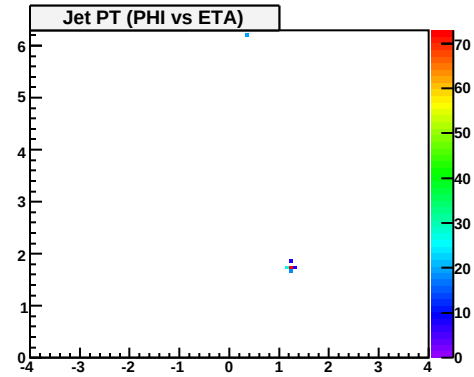




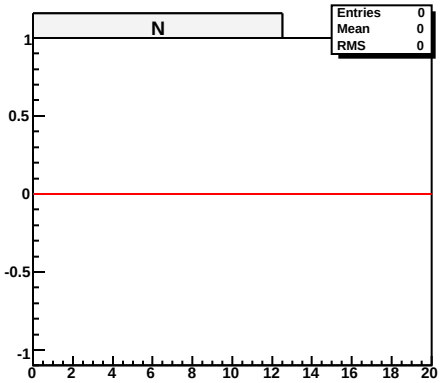


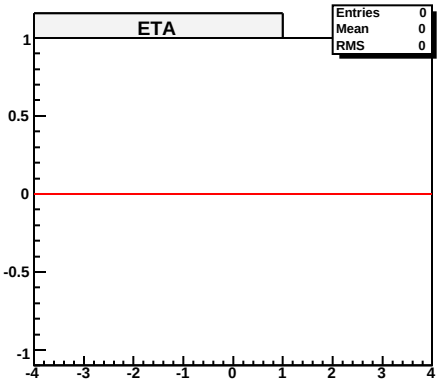


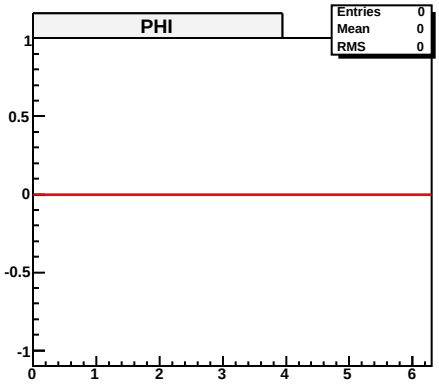


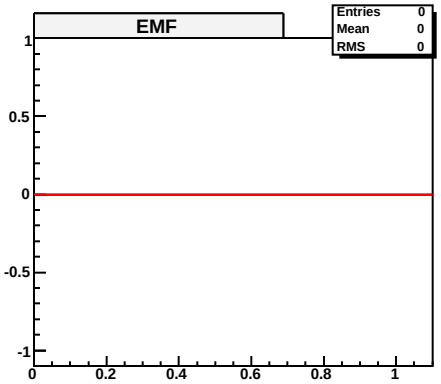


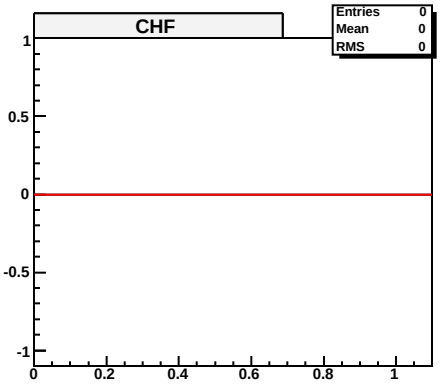
Jets (KT D 1 (standard cuts))

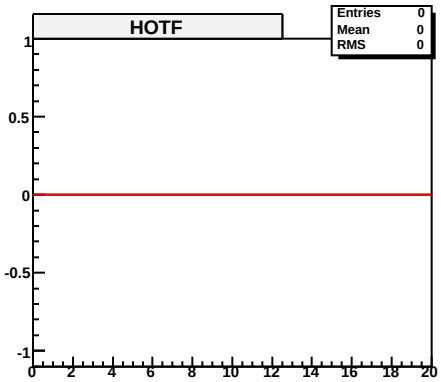


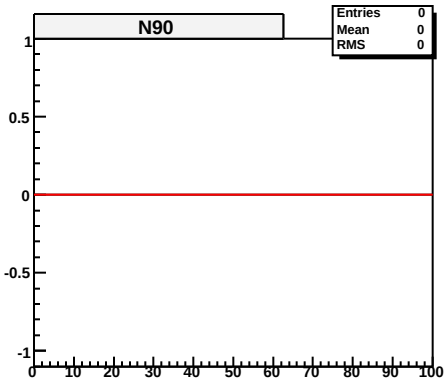


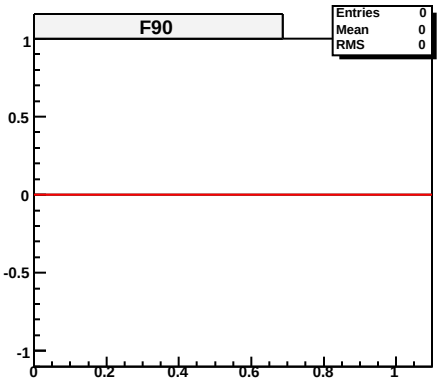


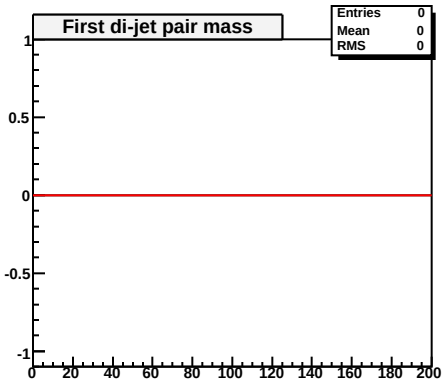


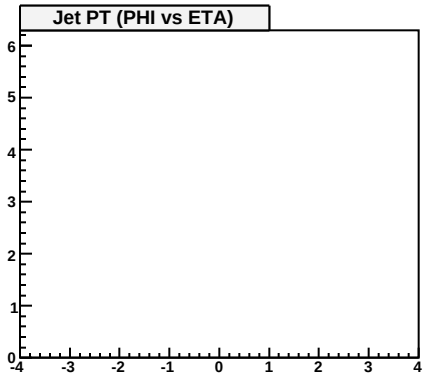




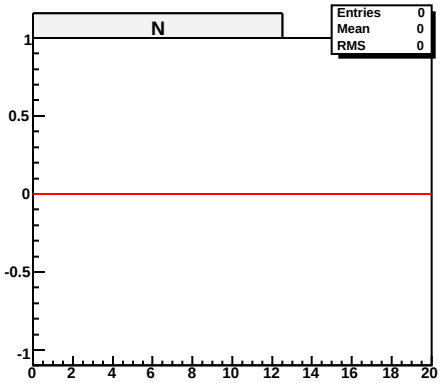


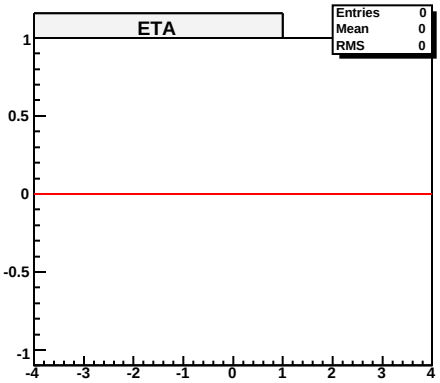


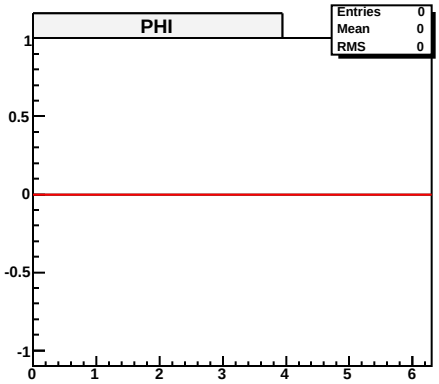


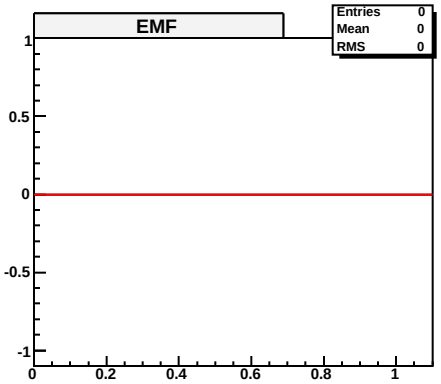


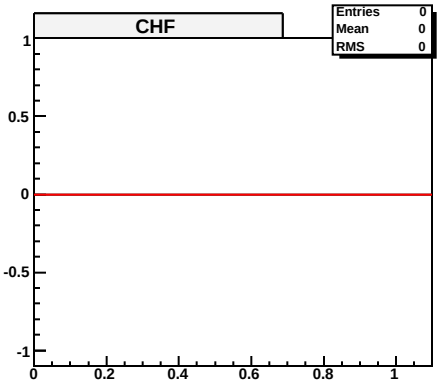
Jets (Cone R 0.7 (standard cuts, MET>30))

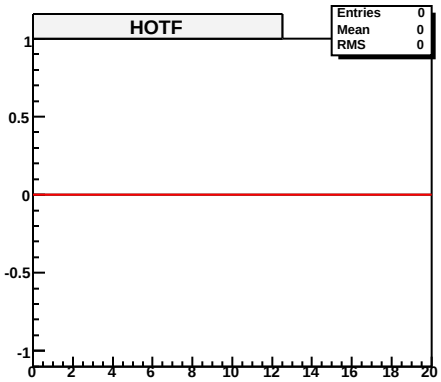


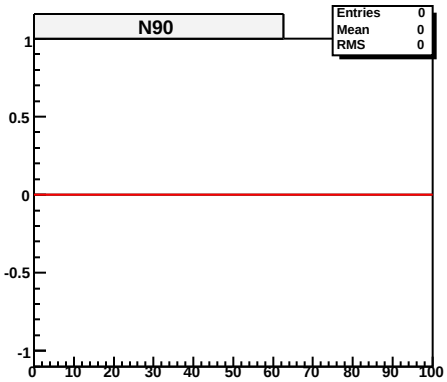


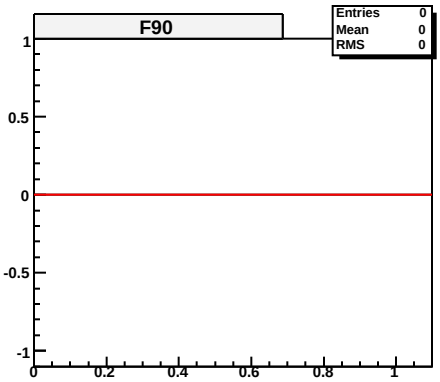


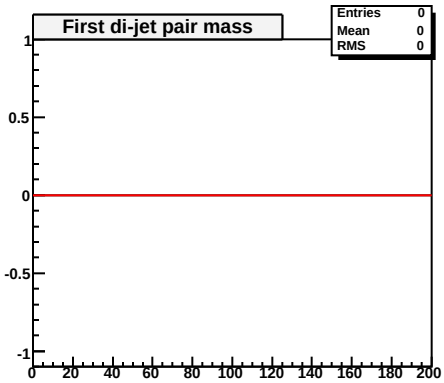


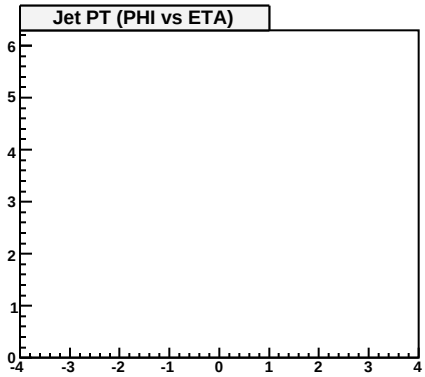




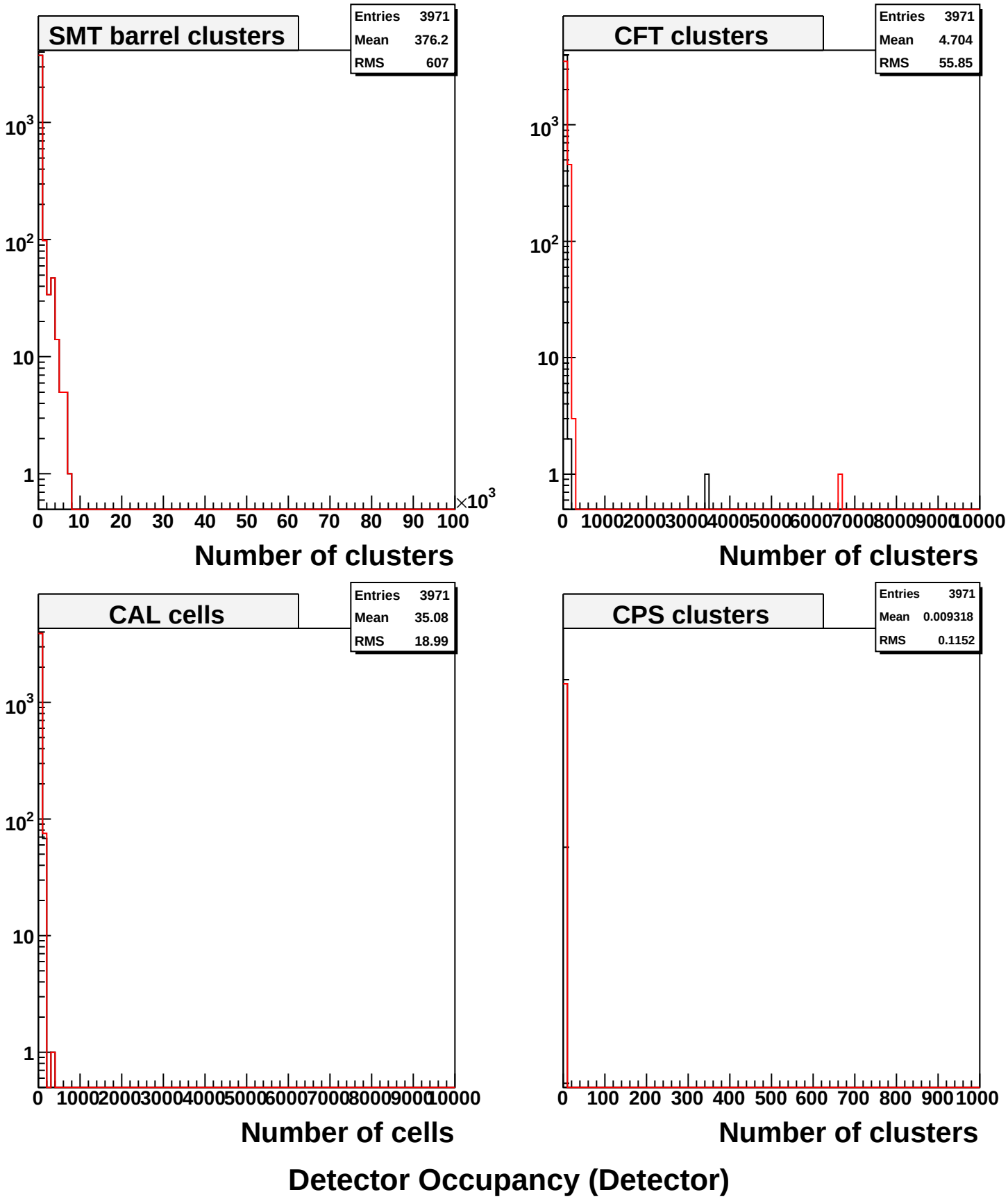




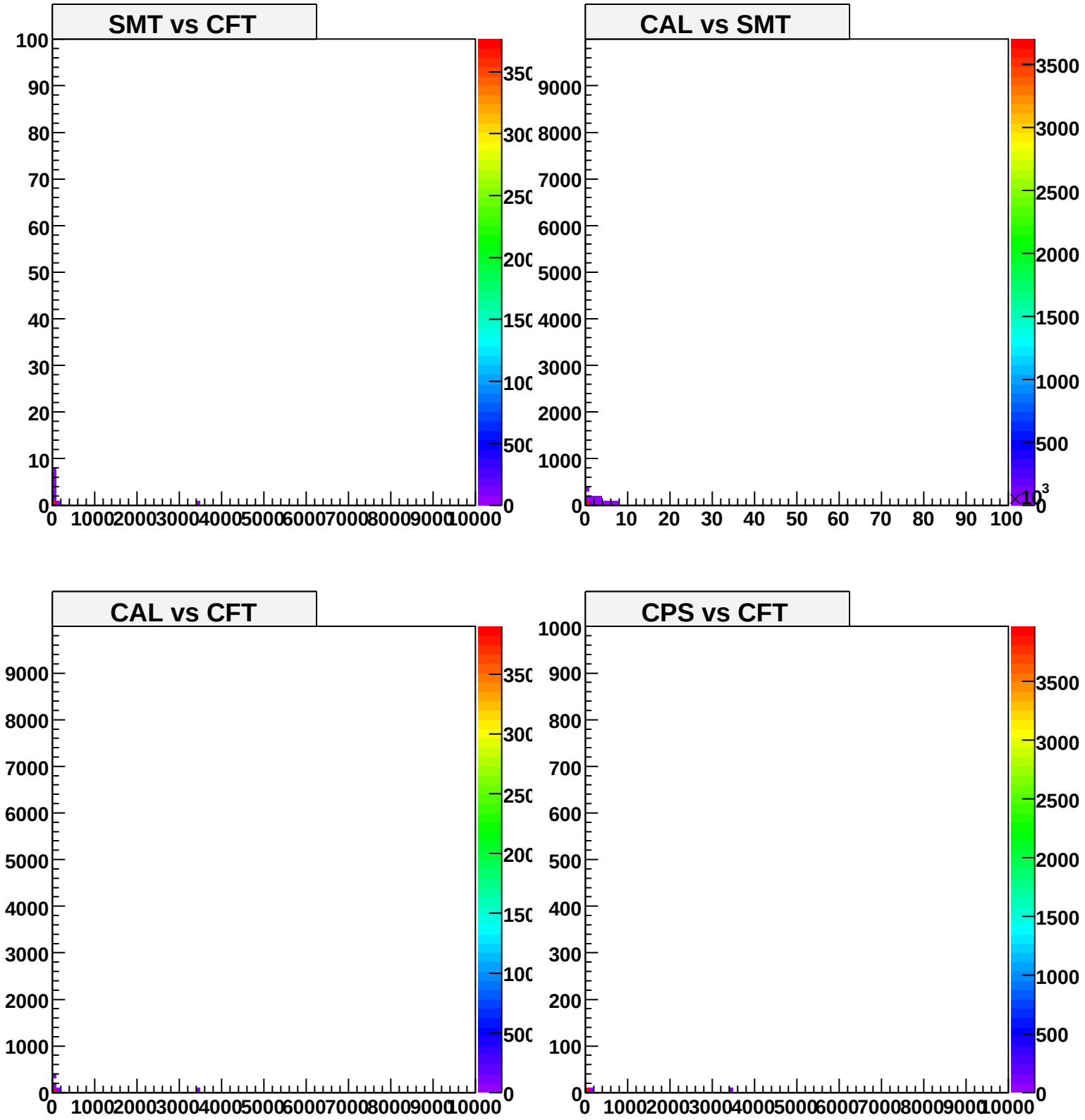


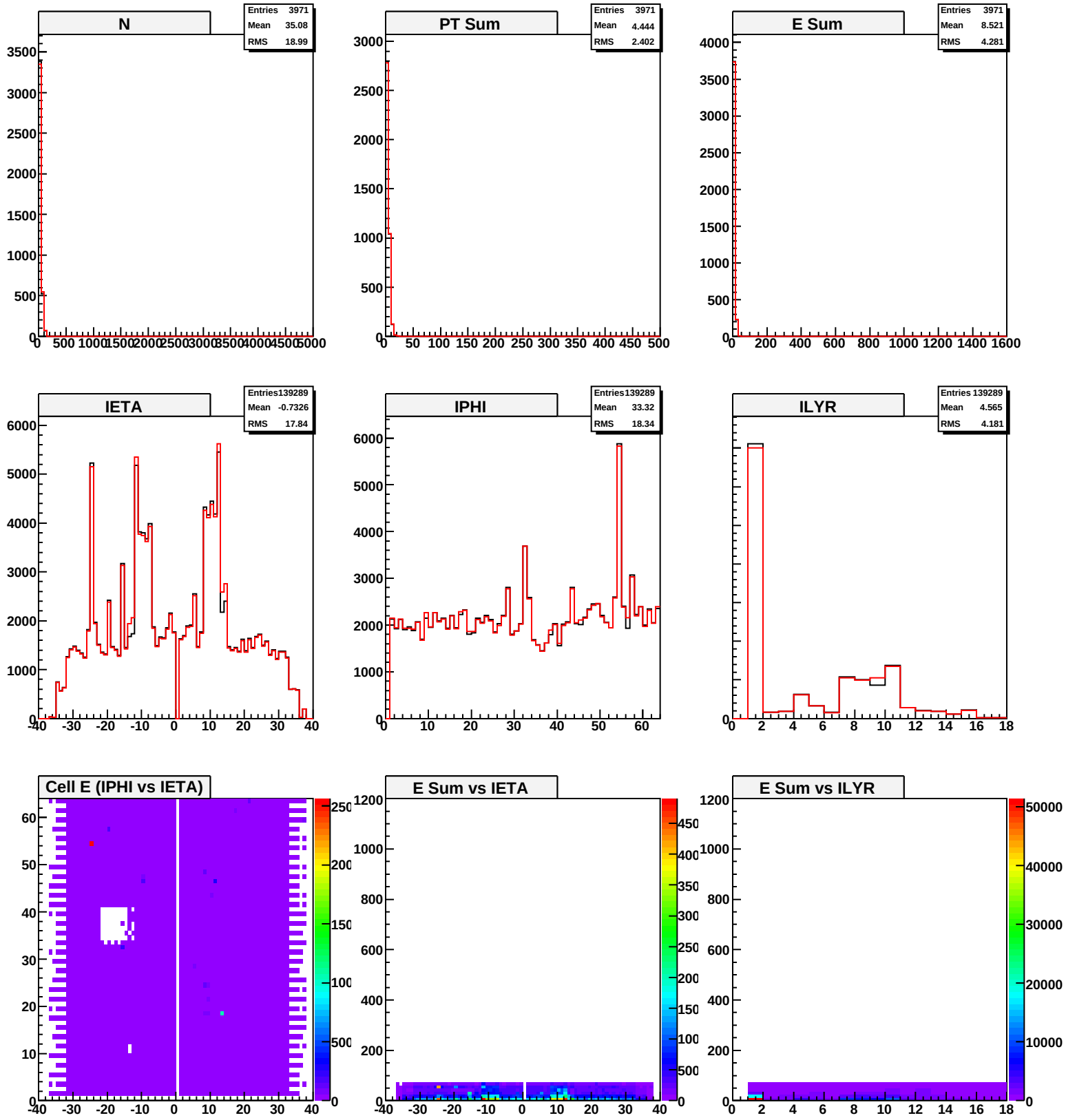


Jets (KT D 1 (standard cuts, MET>30))

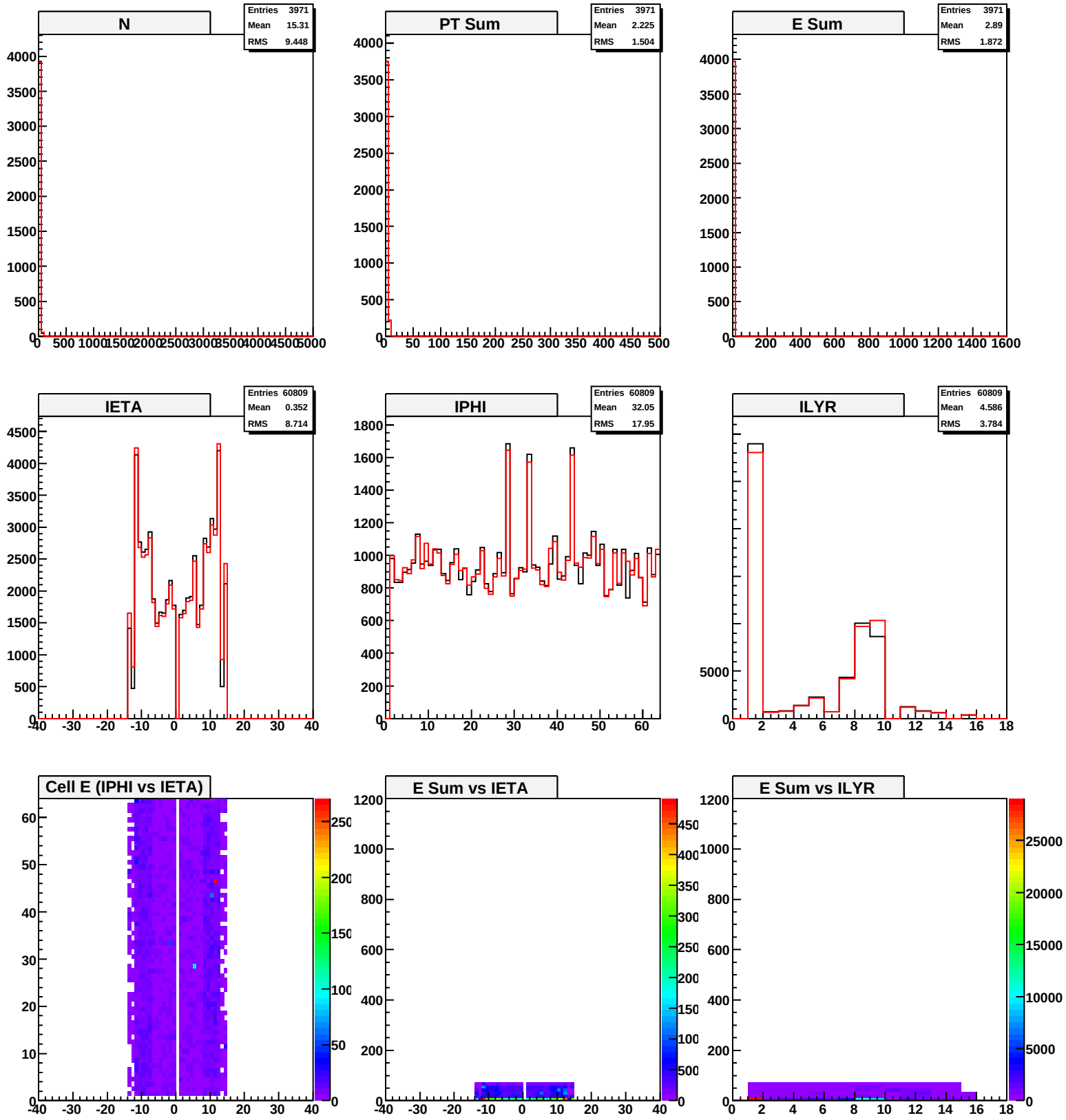


Detector Occupancy (Detector)

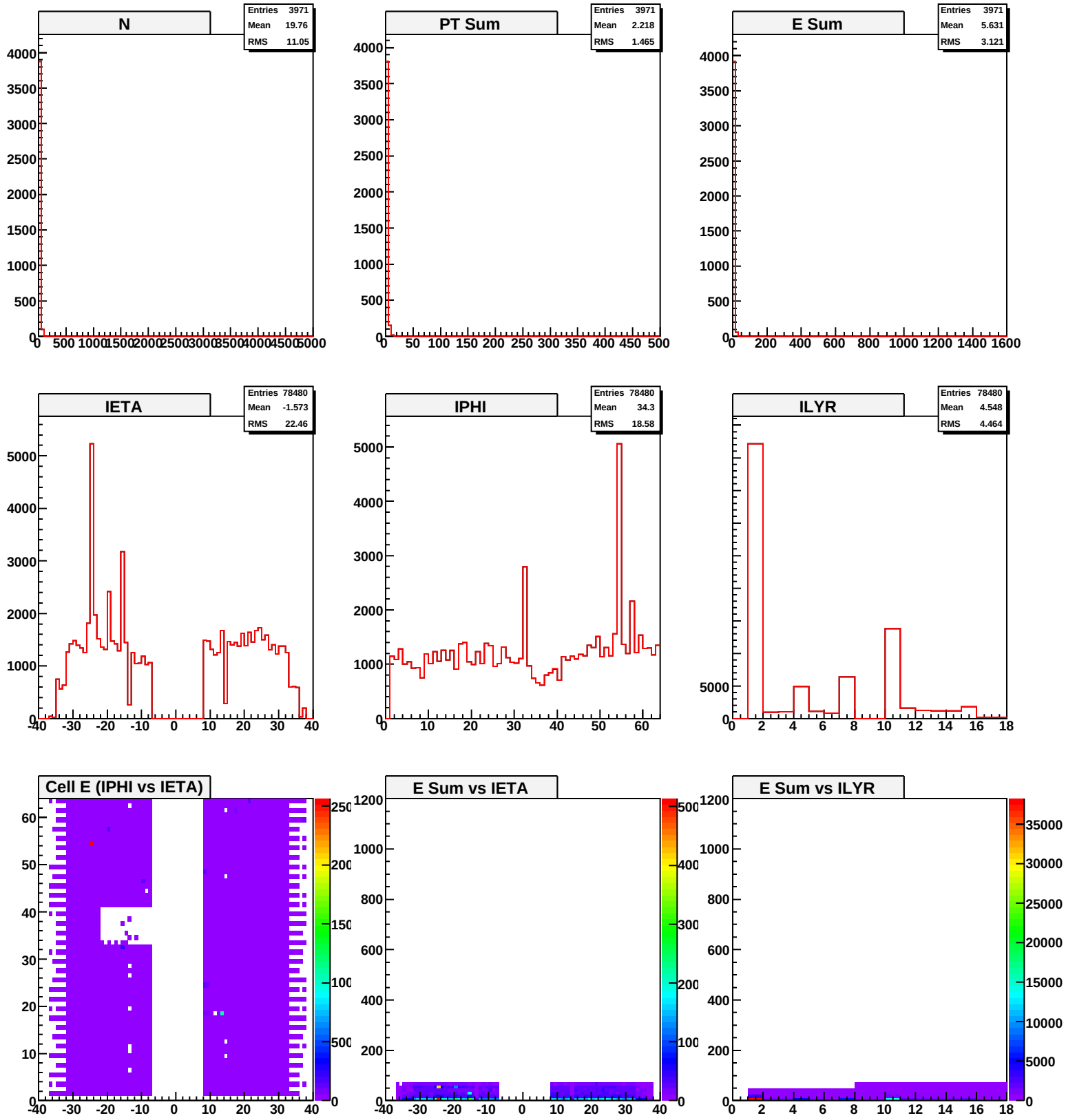

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



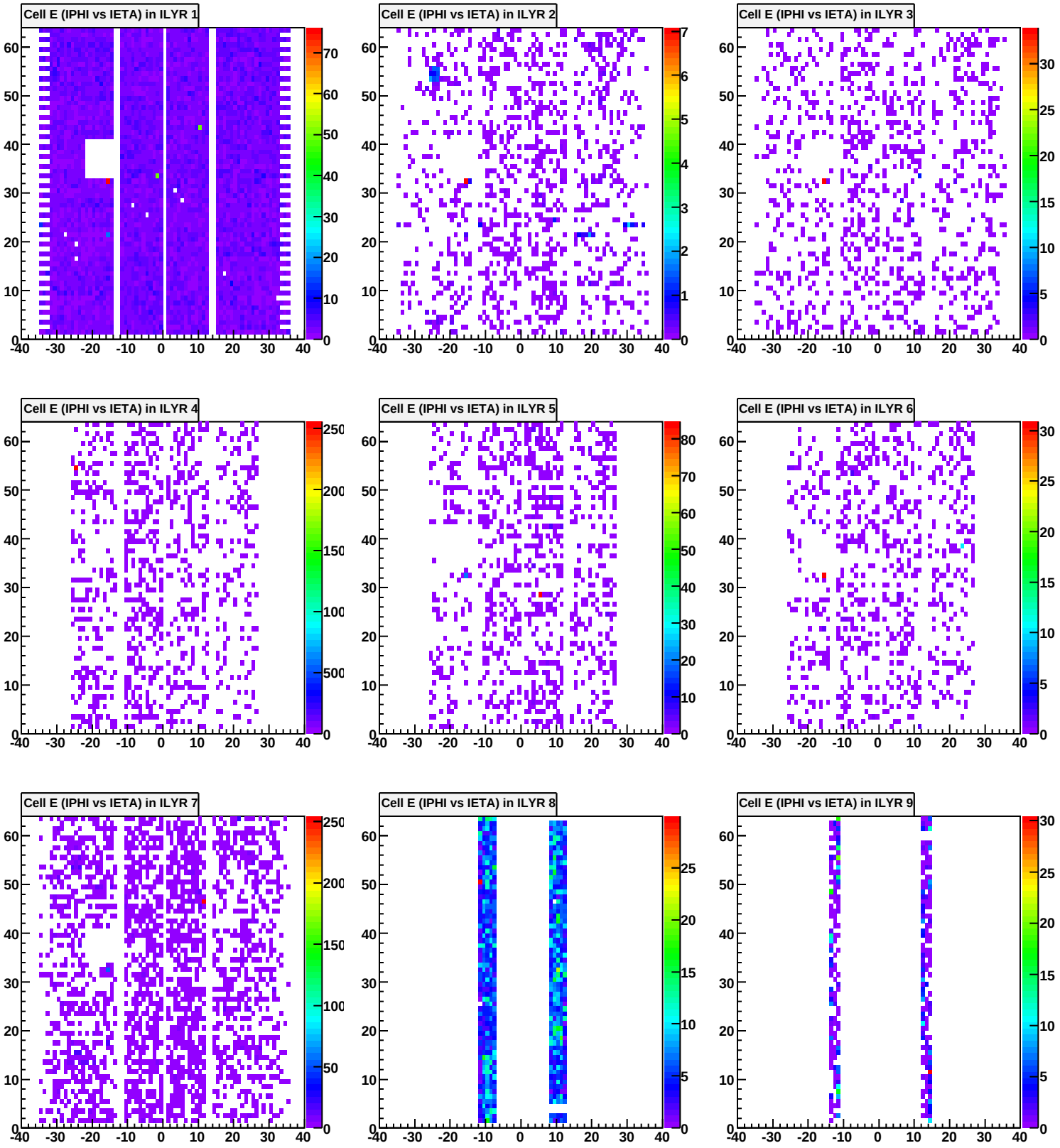
Calorimeter (All cells)



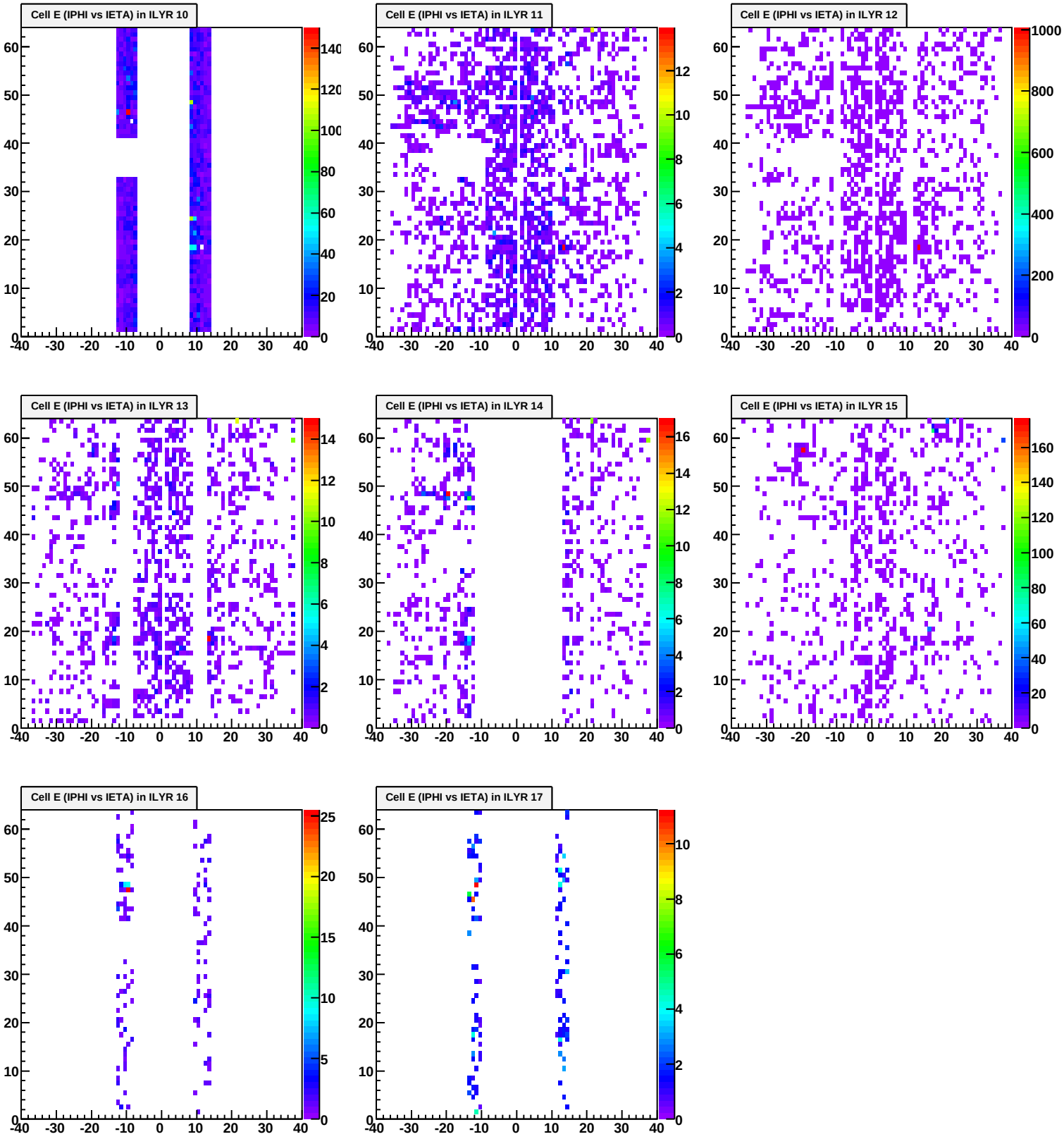
Calorimeter (All CC cells)



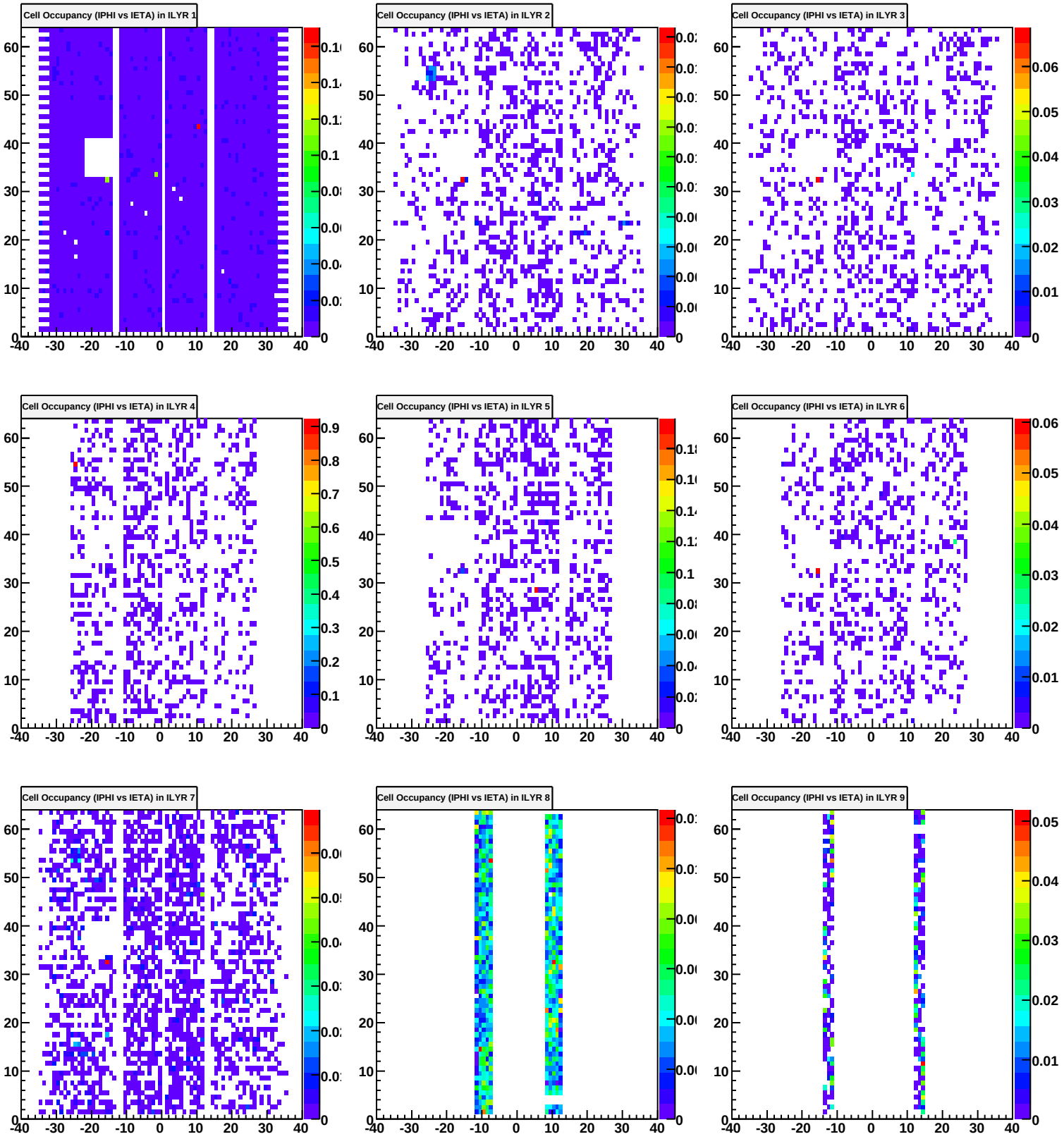
Calorimeter (All EC cells)



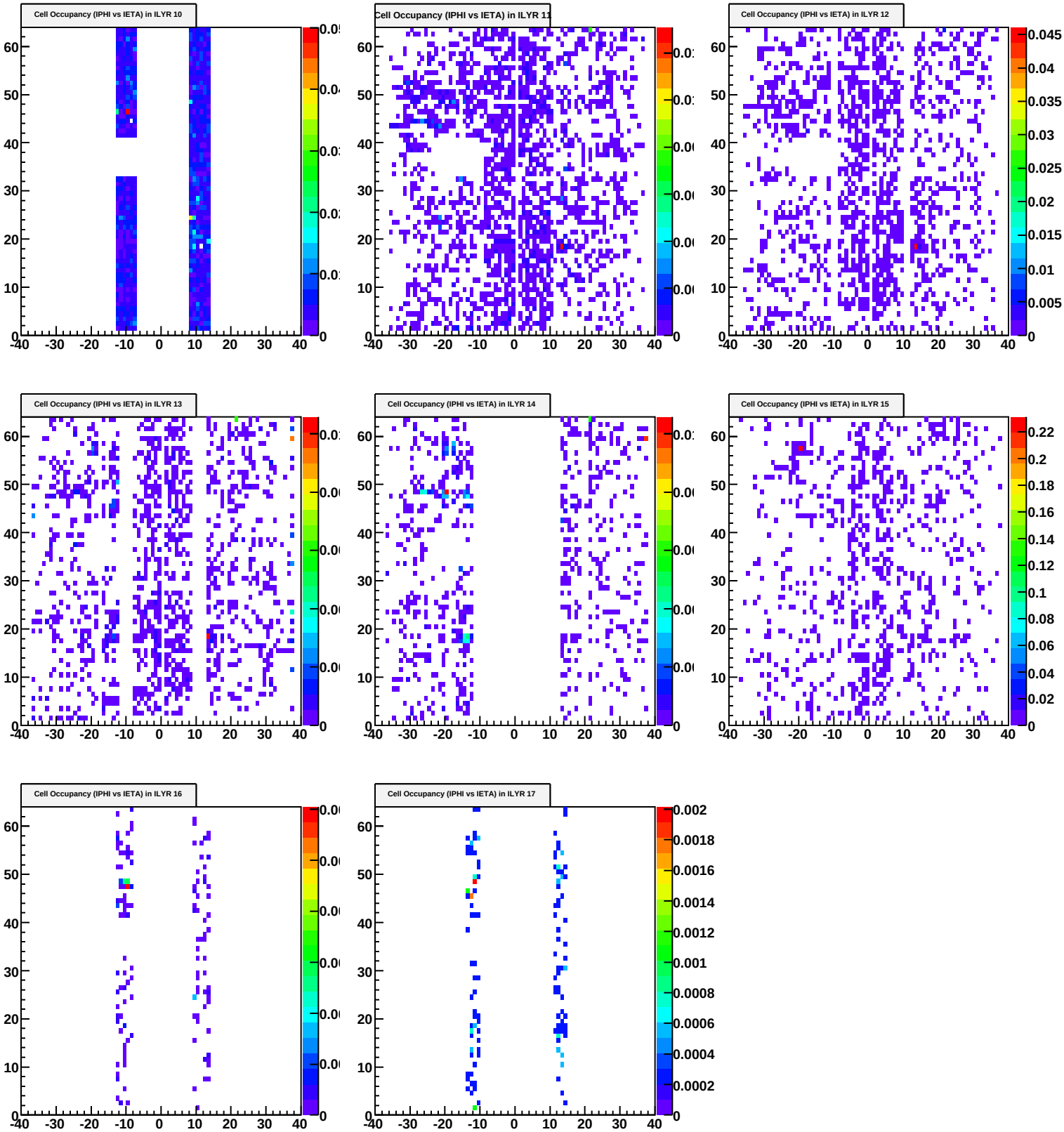
Calorimeter Cell Energy ILYR 1-9 (All cells)



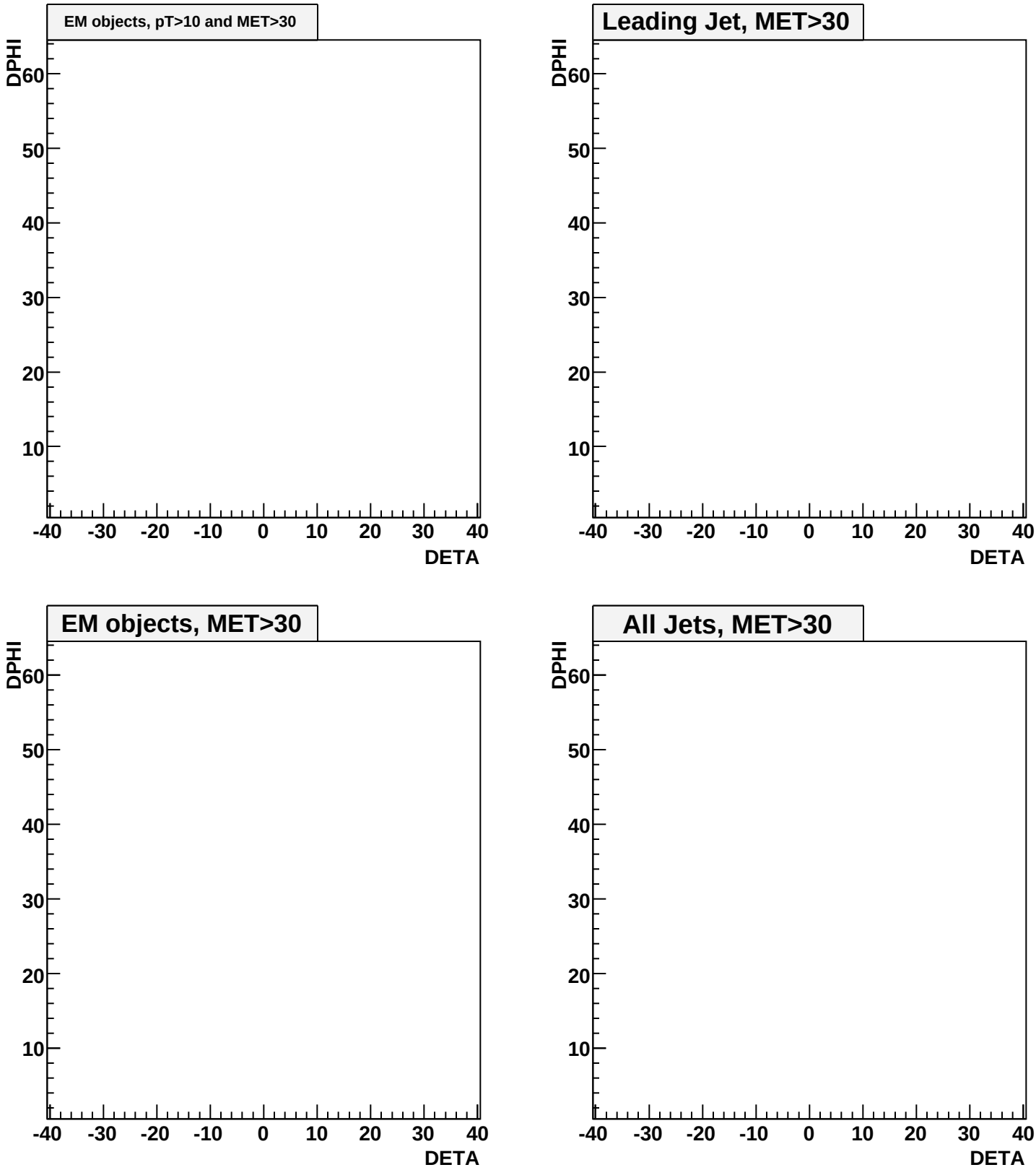
Calorimeter Cell Energy ILYR 10-17 (All cells)



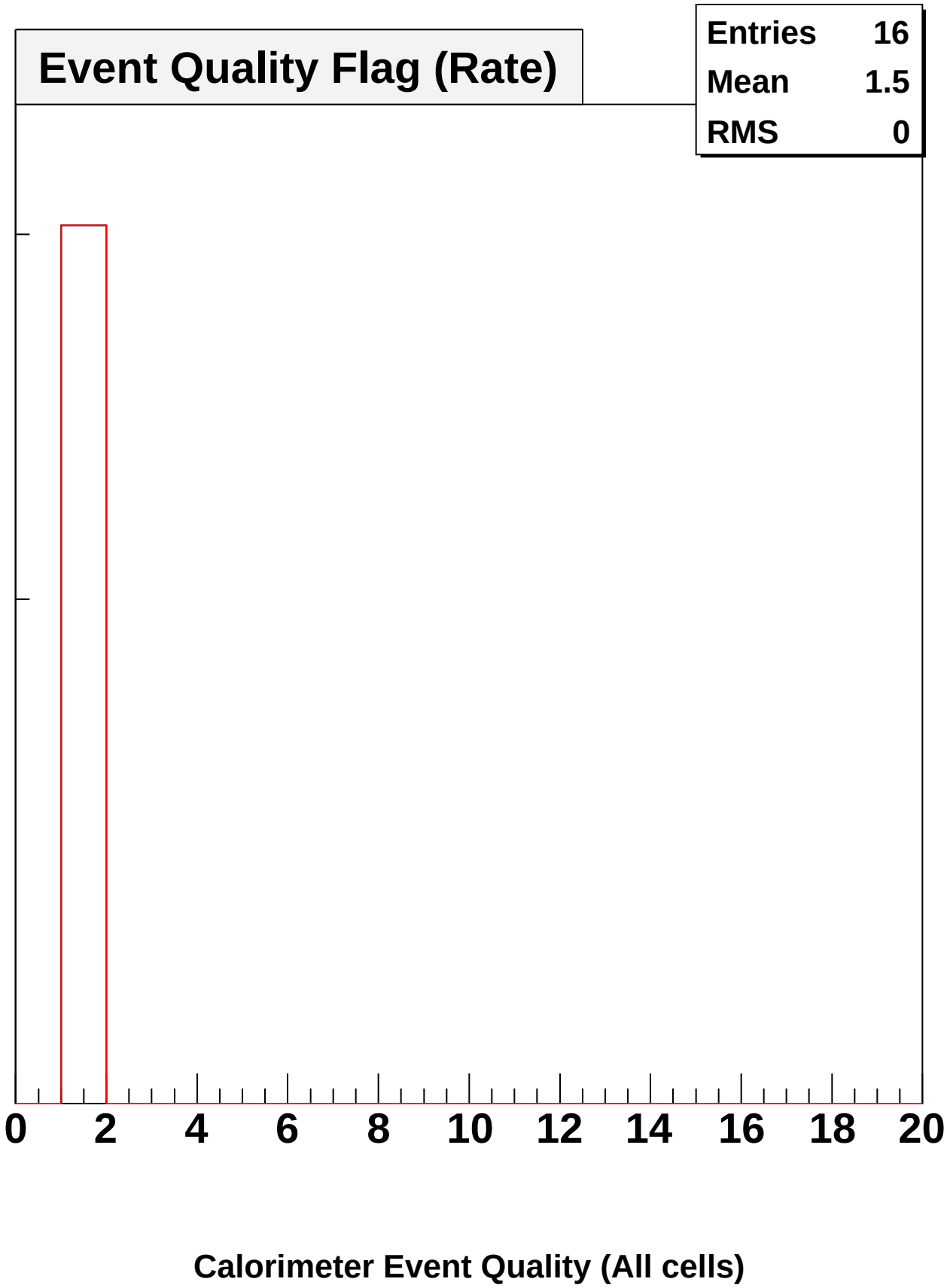
Calorimeter Occupancy ILYR 1-9 (All cells)

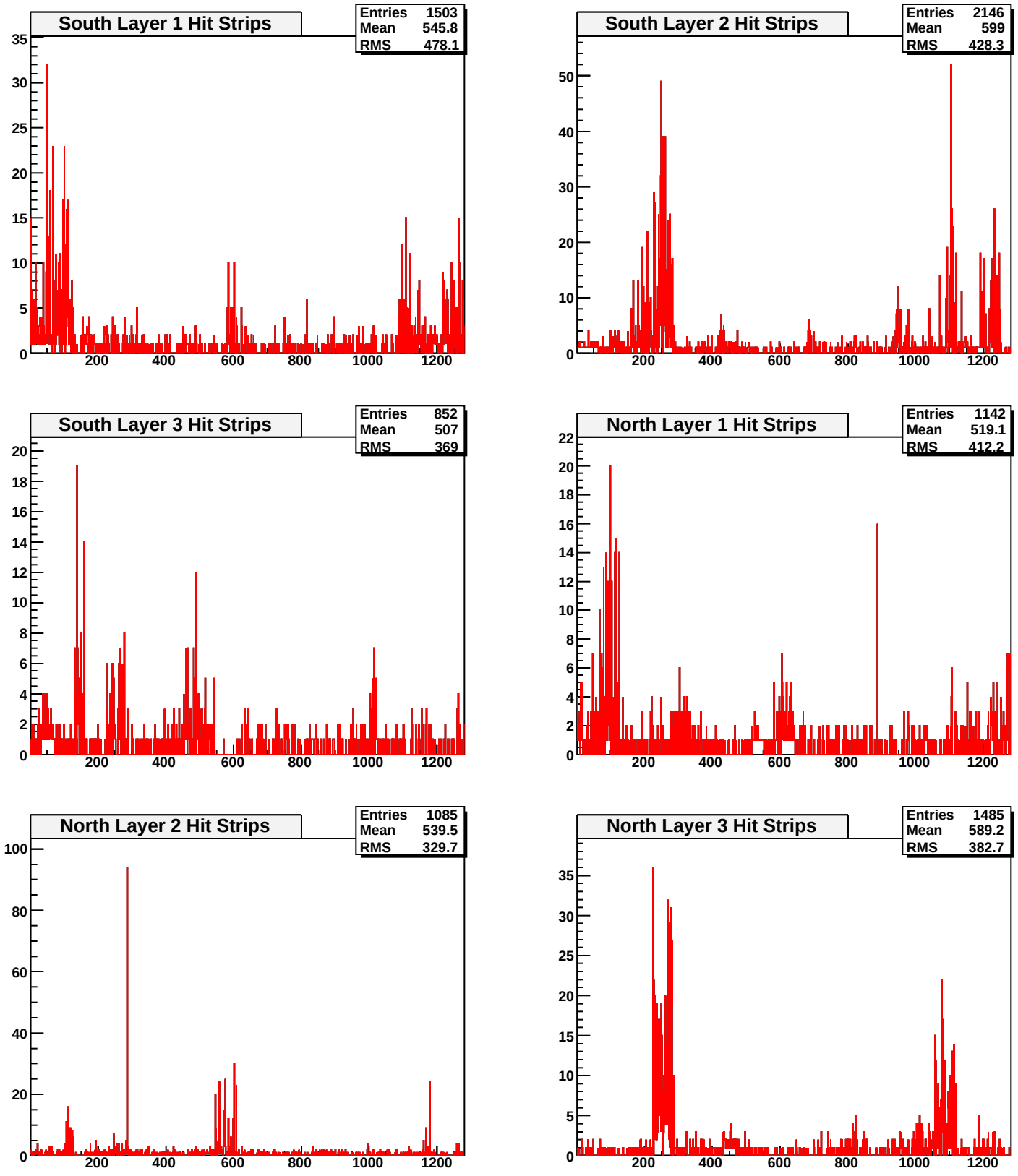


Calorimeter Occupancy ILYR 10-17 (All cells)

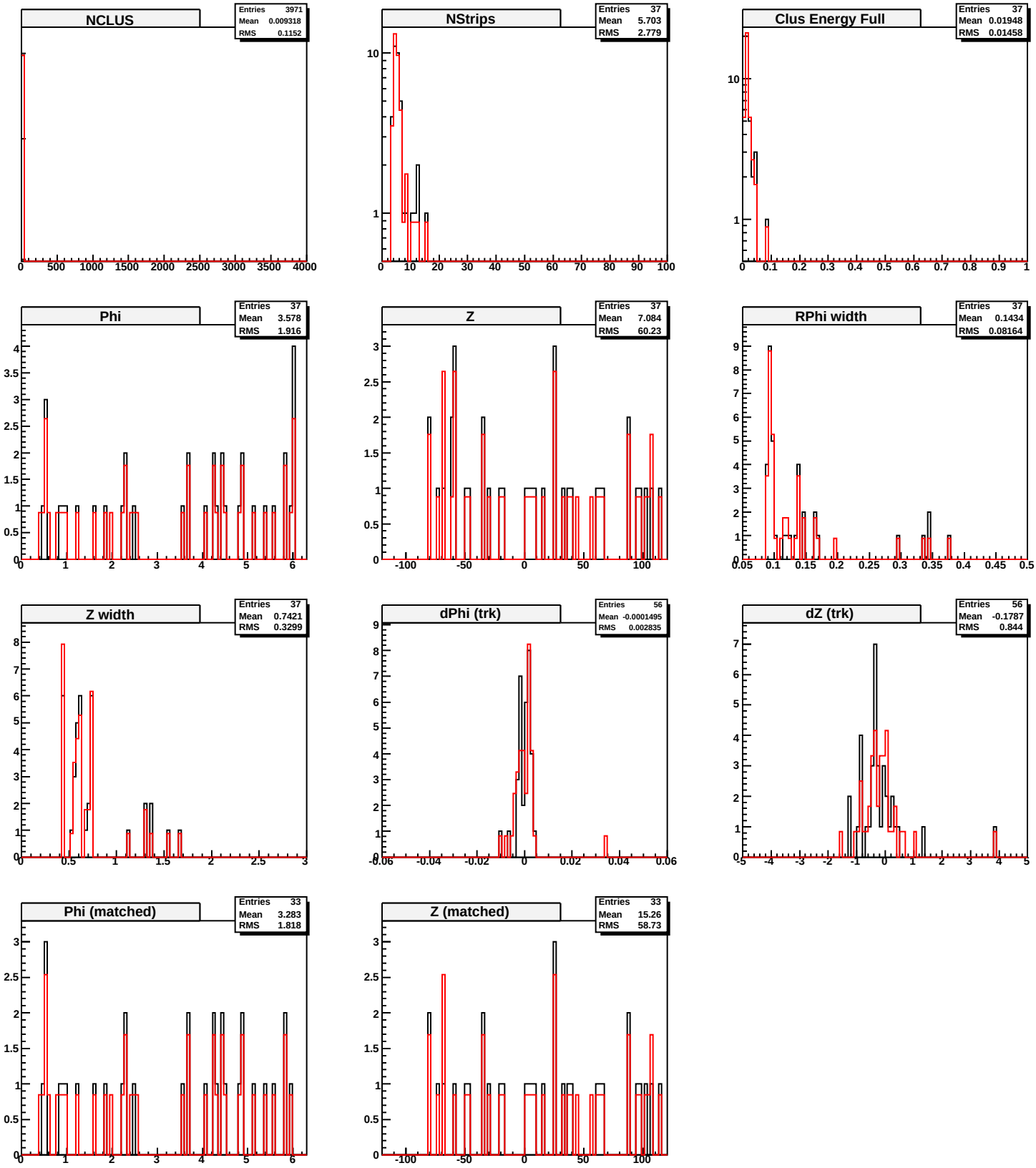


Cal Objects with MET>30 (All cells)

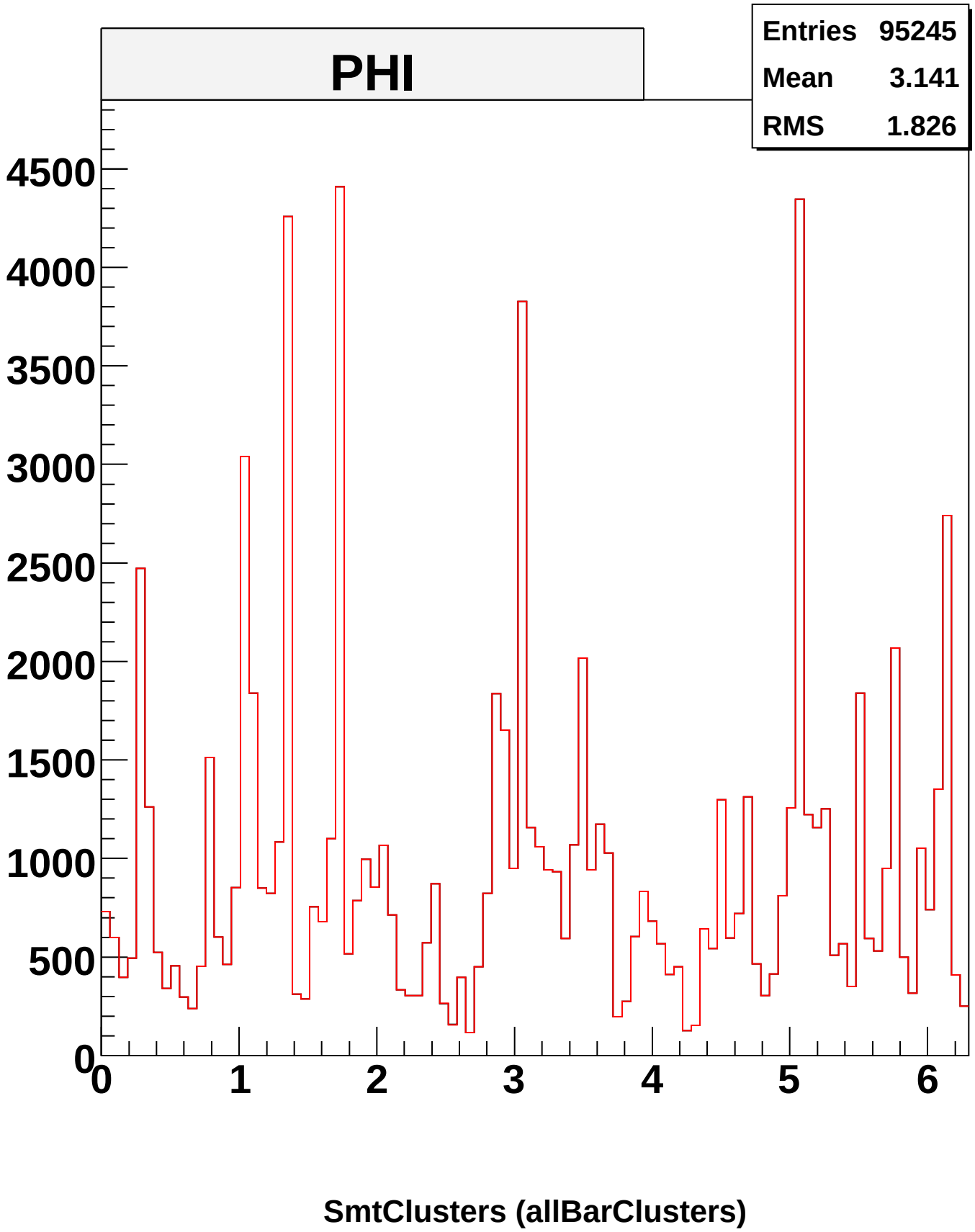

Event Quality Flag (Rate)
Entries 16
Mean 1.5
RMS 0
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

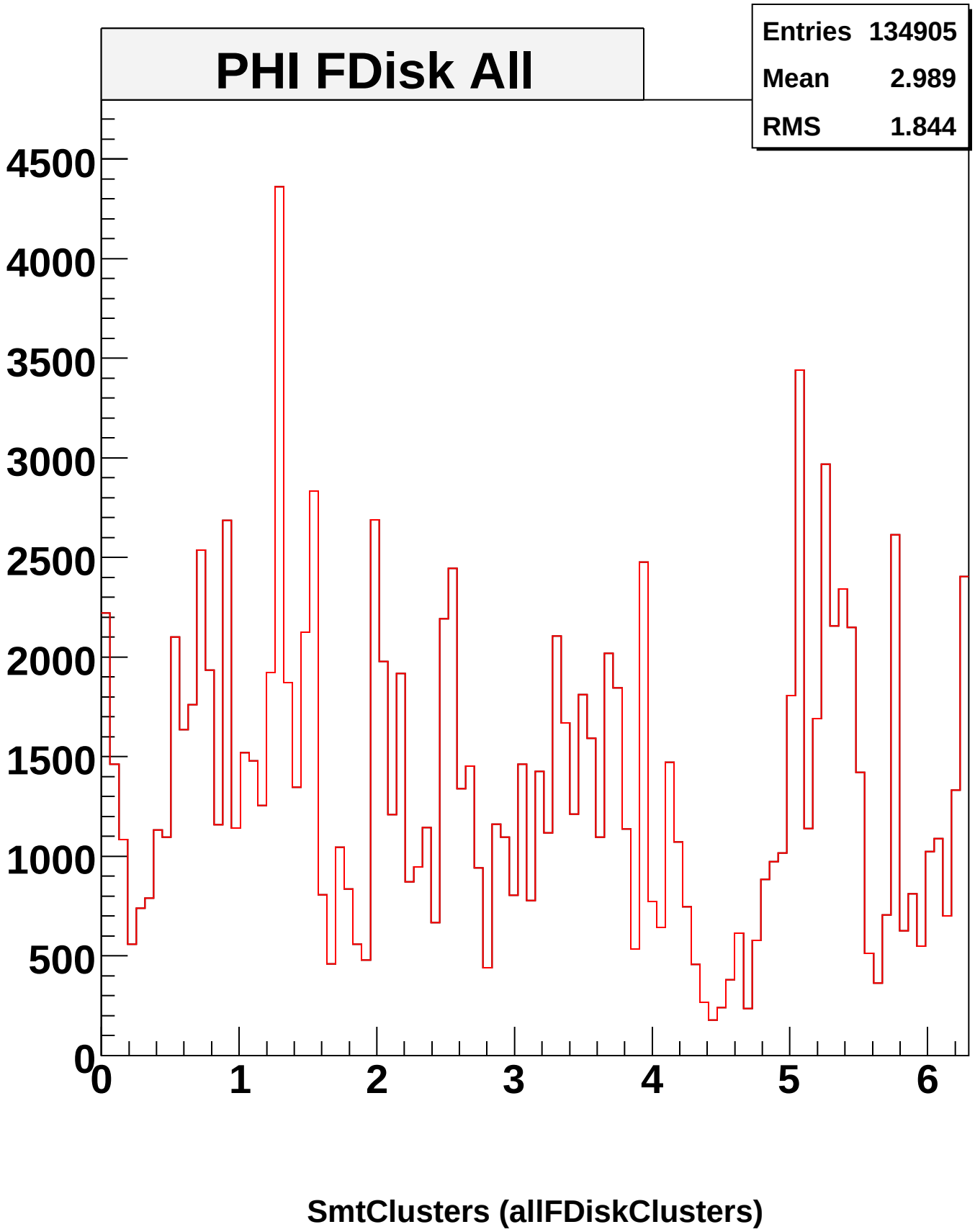


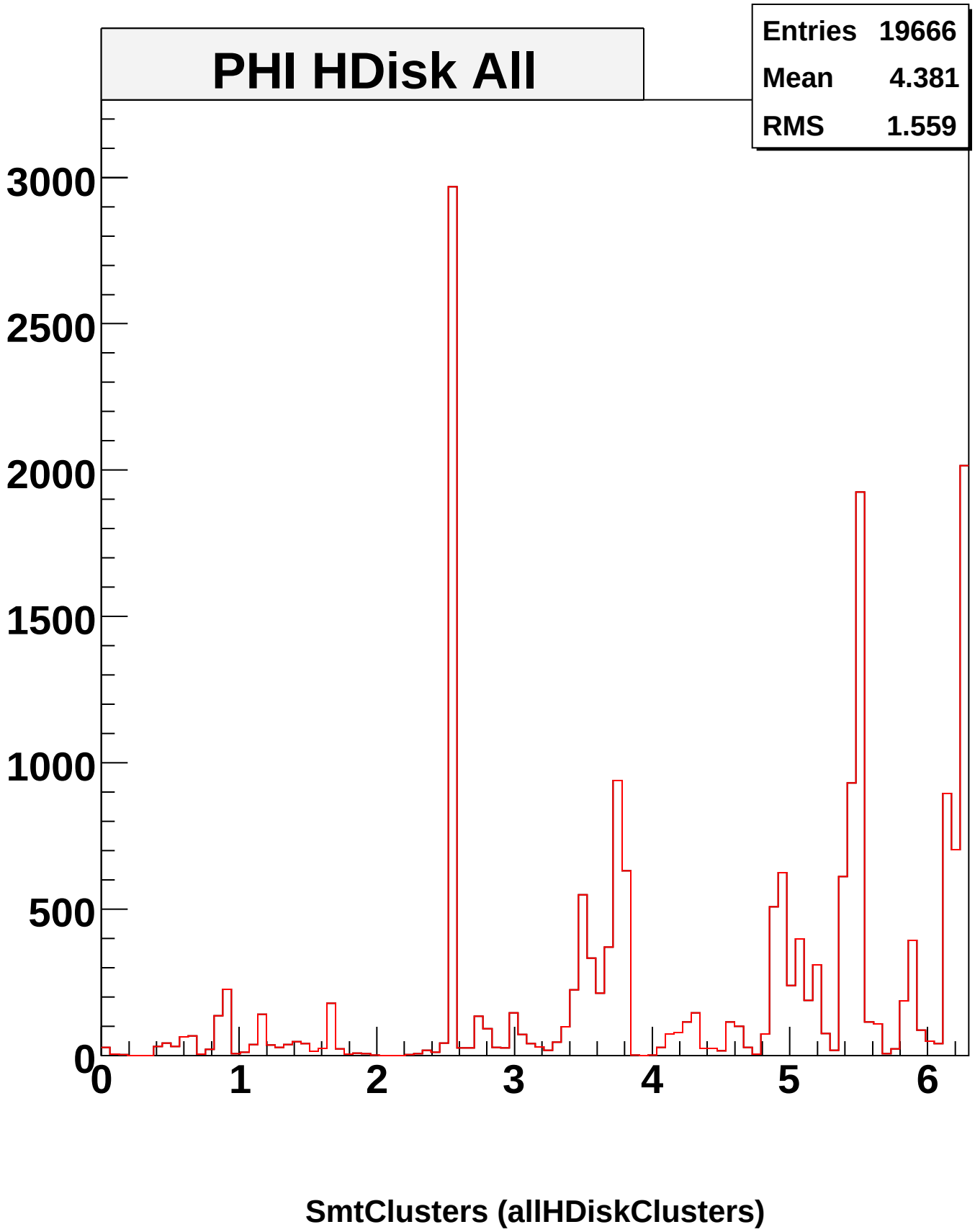
CPS Hit Strips (All Clusters)



CPS Clusters (All Clusters)


PHI
Entries 95245
Mean 3.141
RMS 1.826
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 134905
Mean 2.989
RMS 1.844
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 19666
Mean 4.381
RMS 1.559
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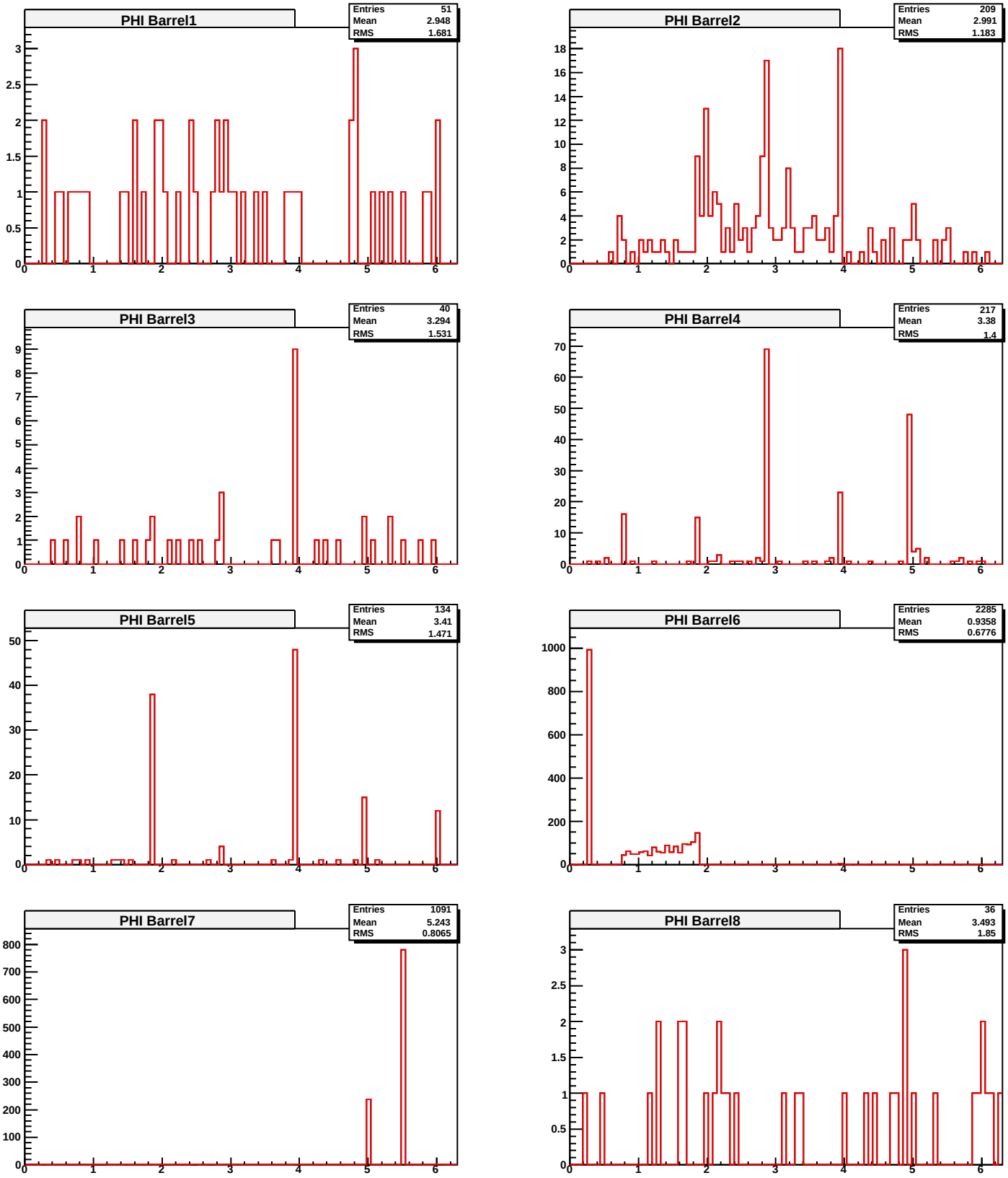
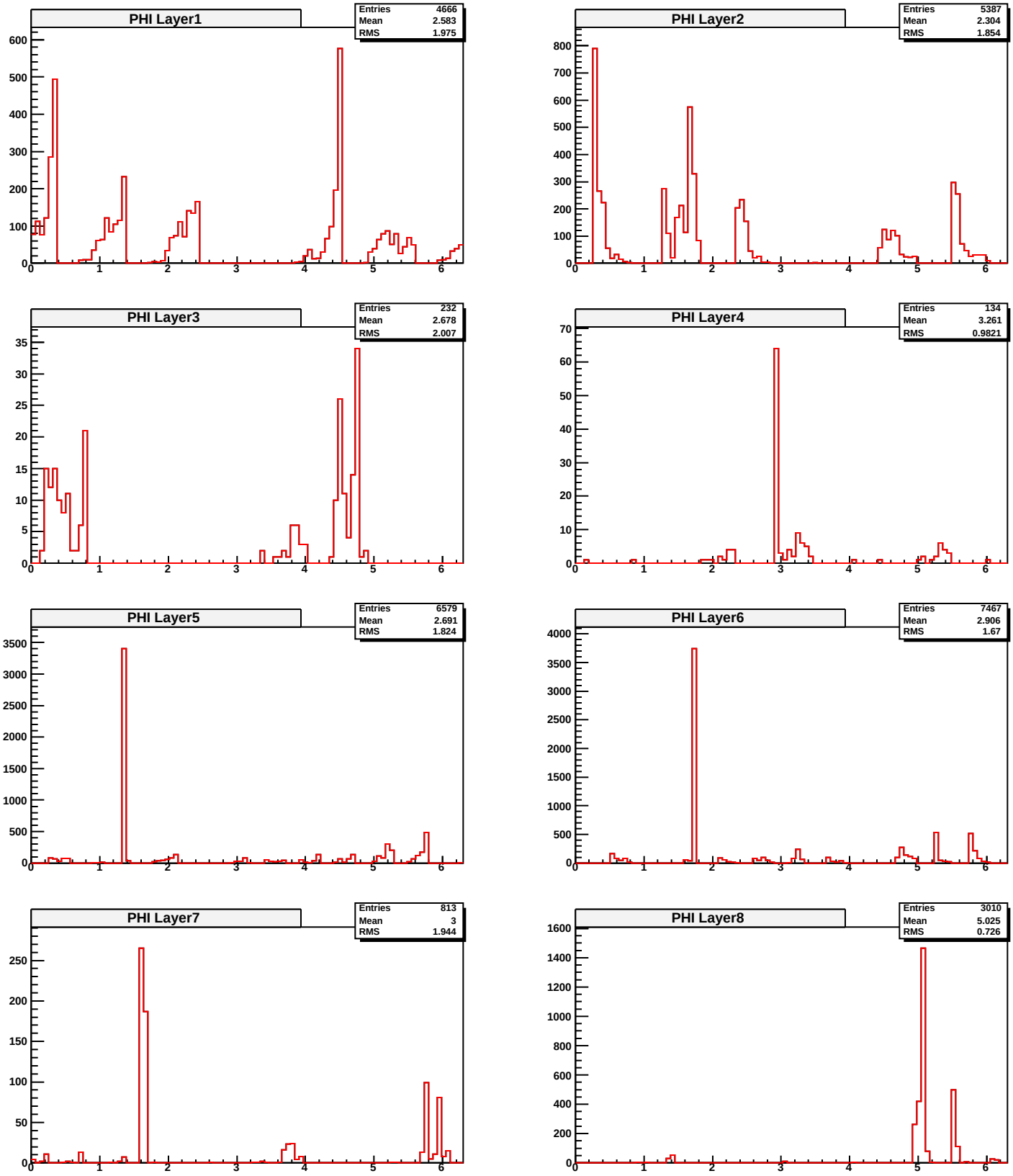
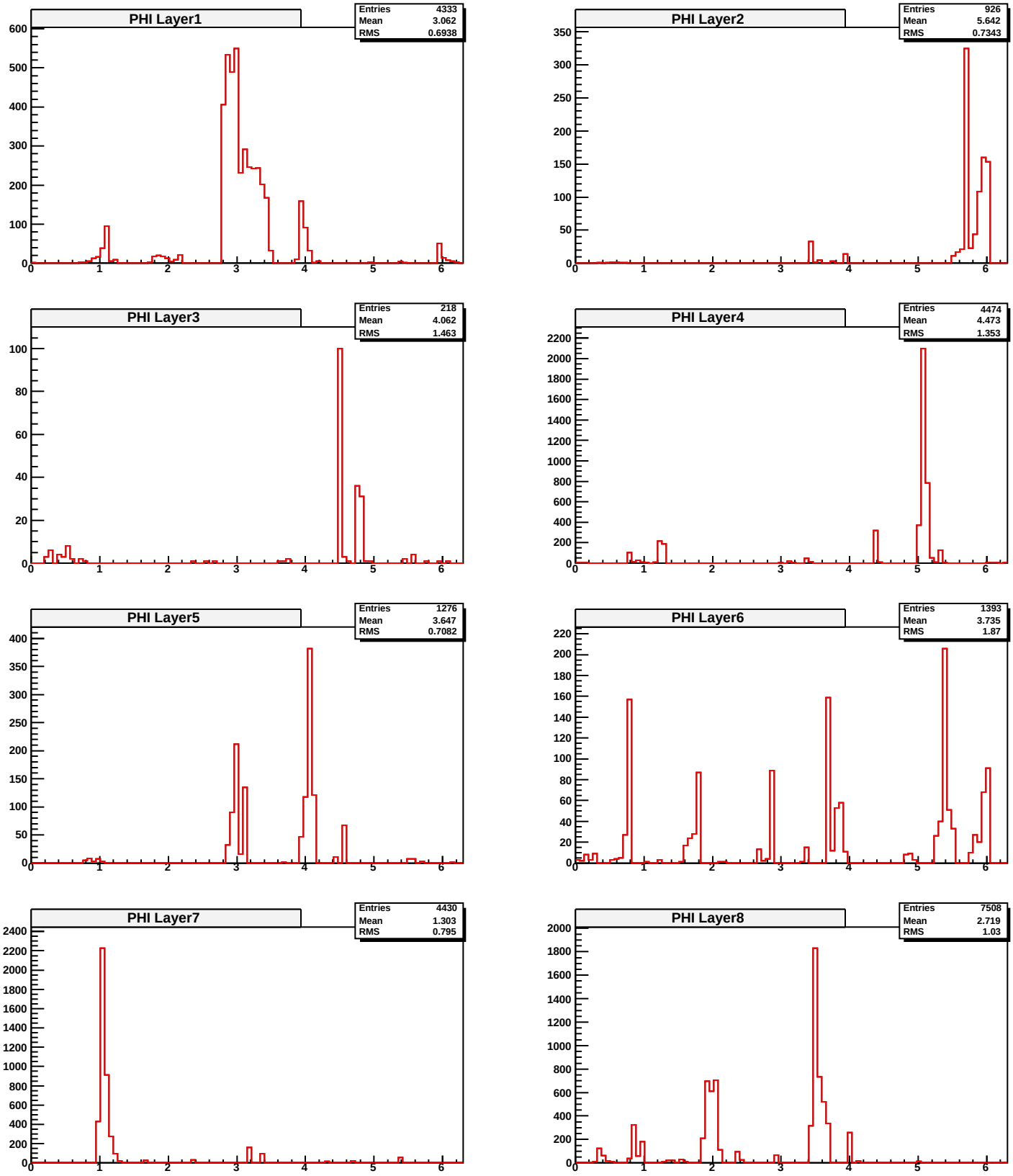
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



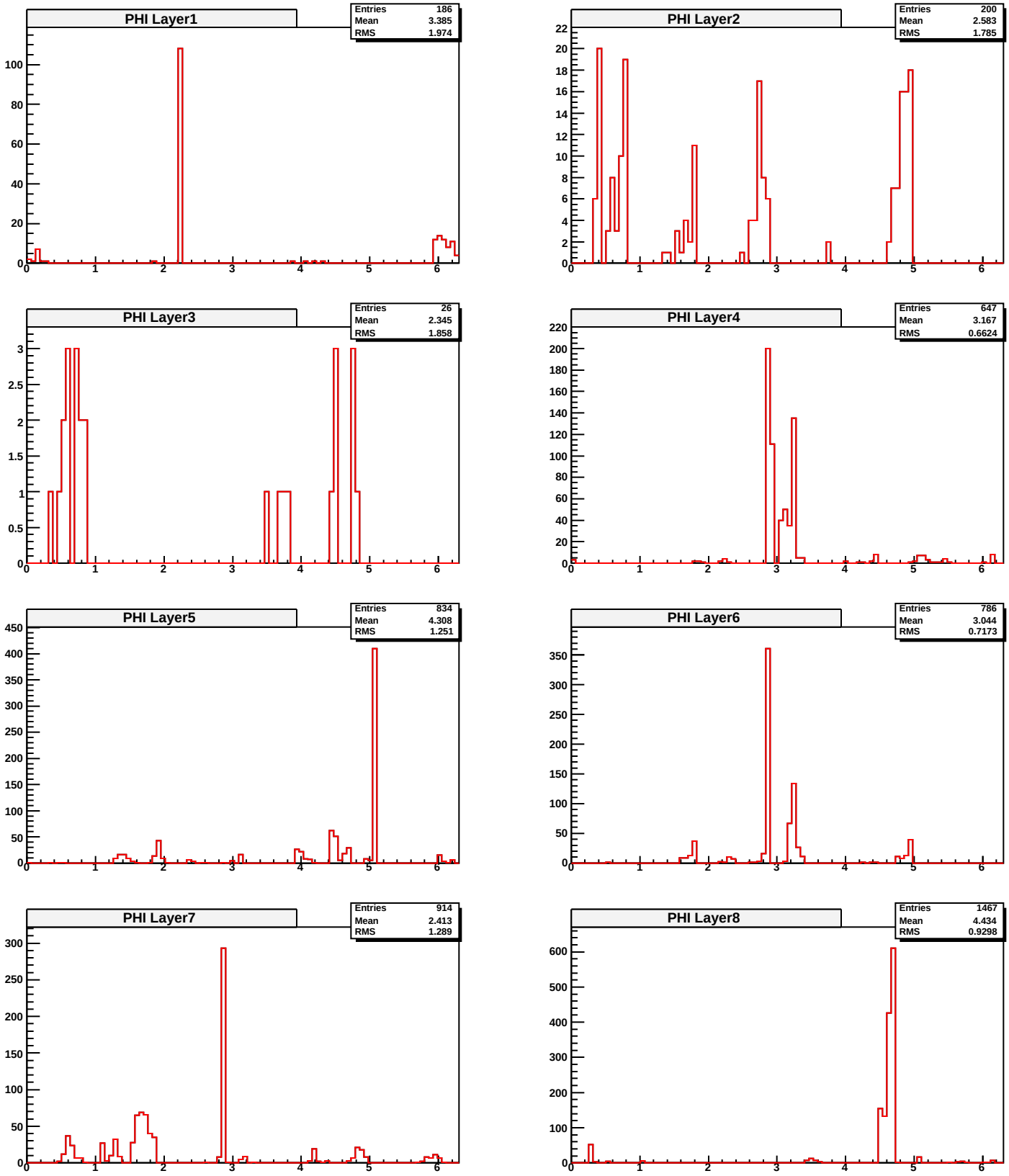
SmtClusters (ClustrLayer0)



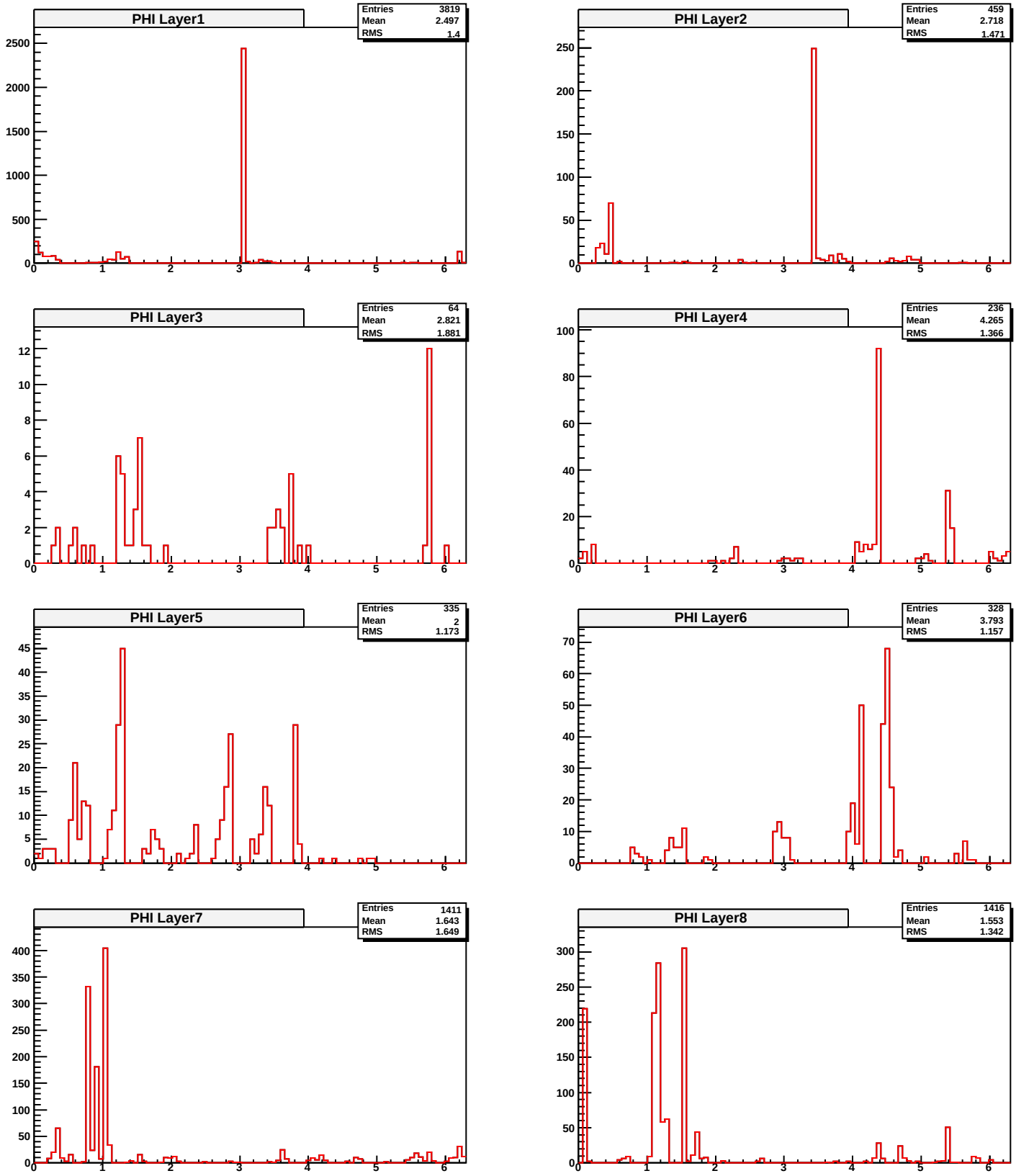
SmtClusters (ClustrBar1)



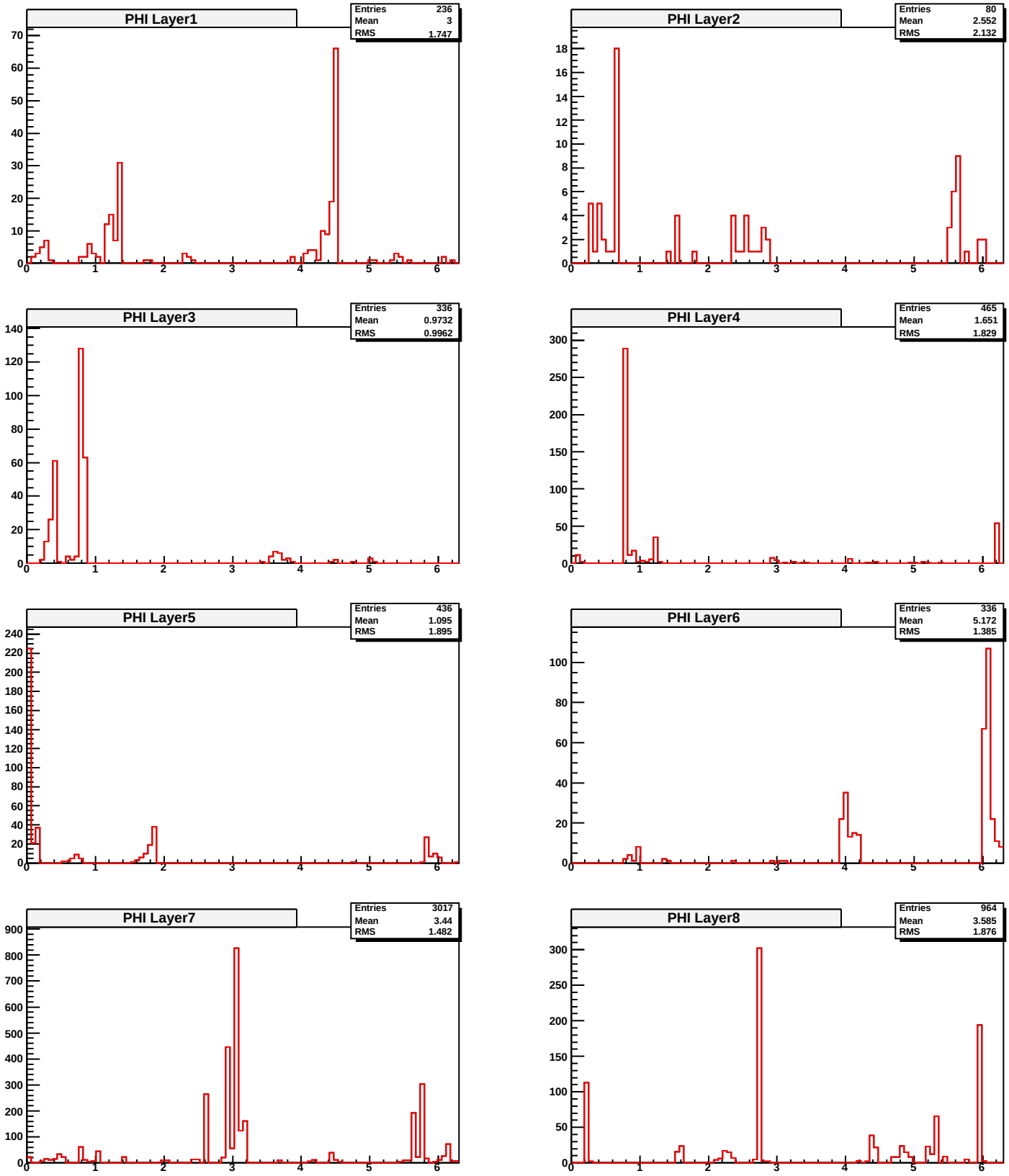
SmtClusters (ClustrBar2)



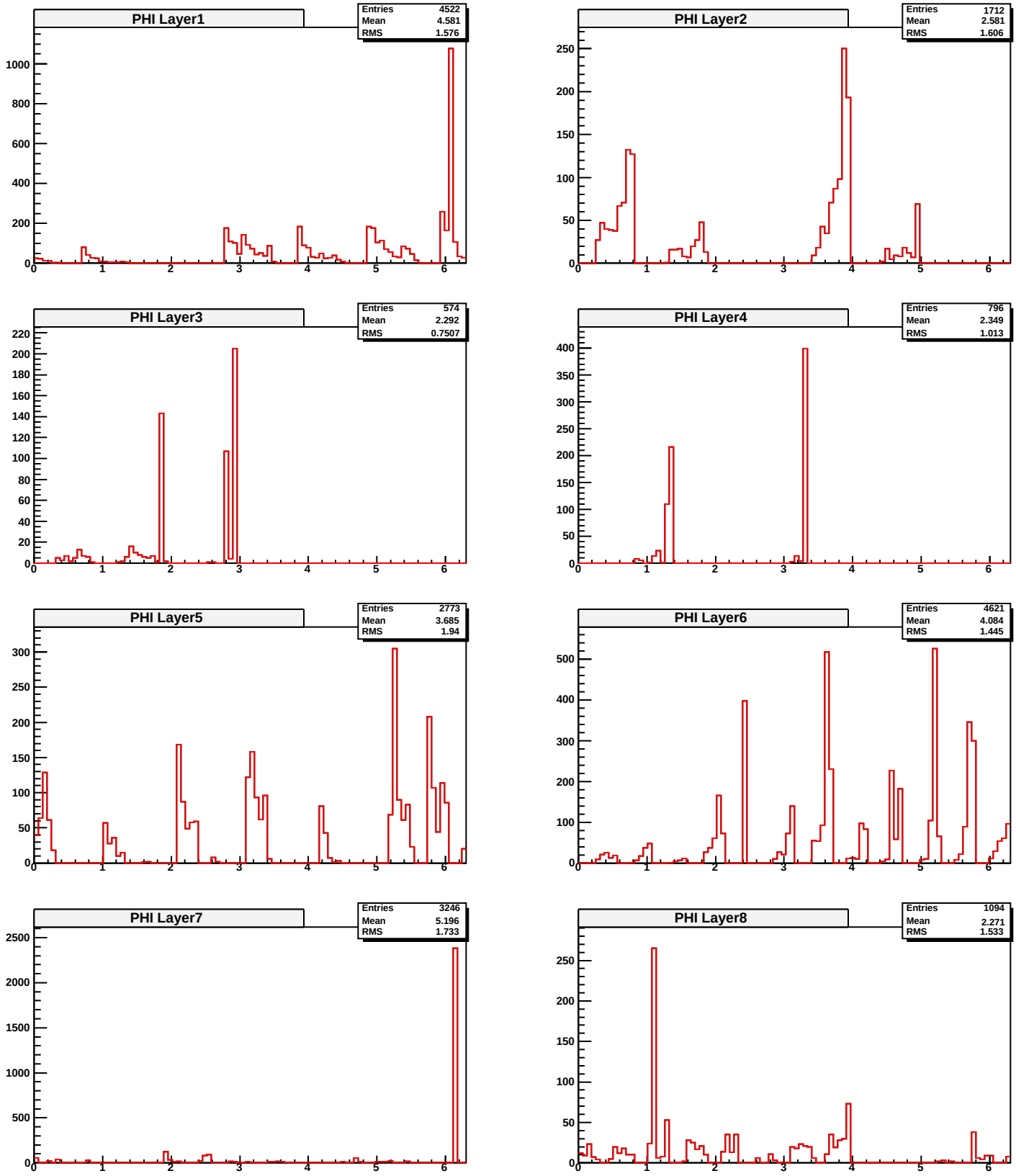
SmtClusters (ClustrBar3)



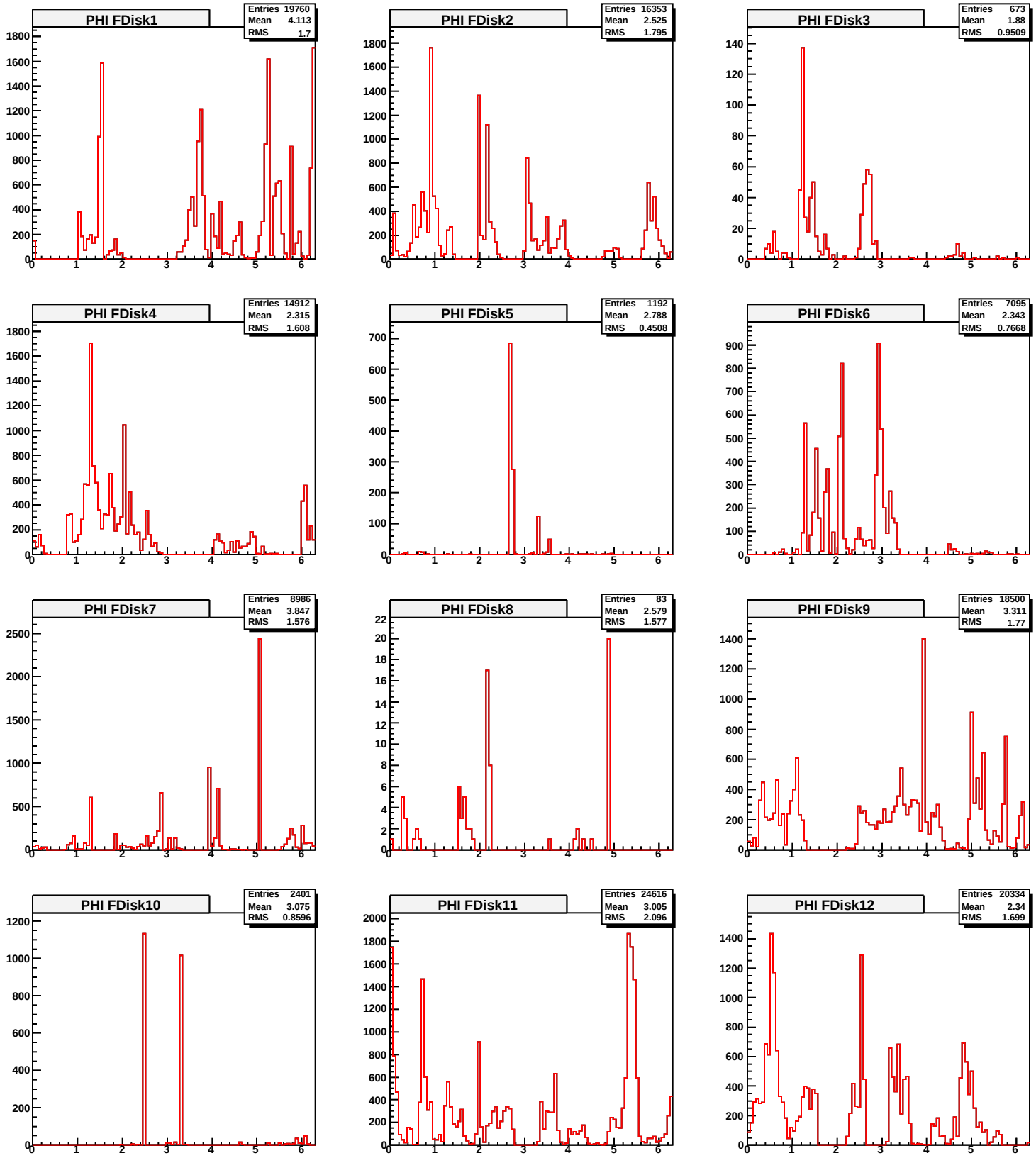
SmtClusters (ClustrBar4)



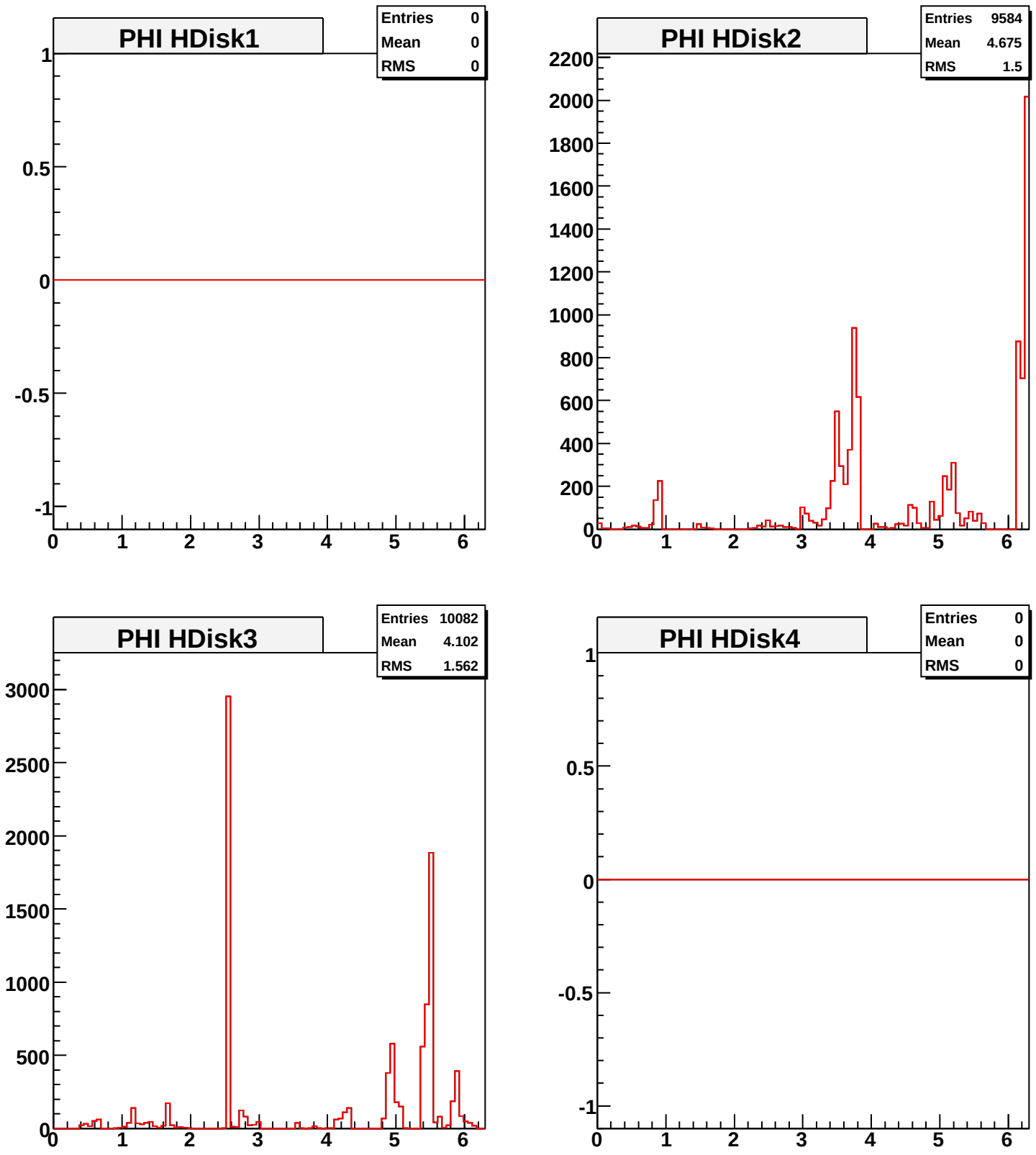
SmtClusters (ClustrBar5)



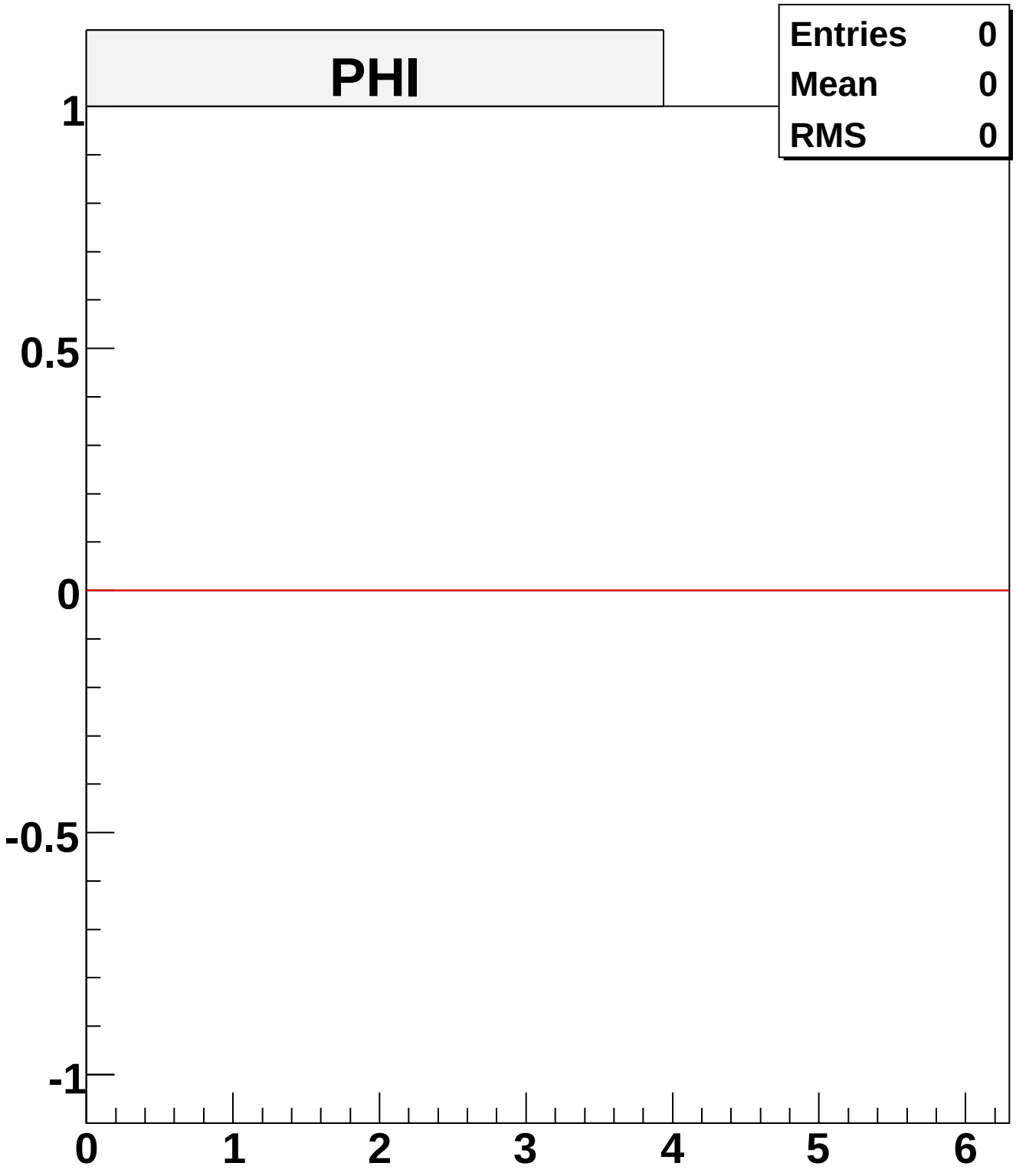
SmtClusters (ClustrBar6)



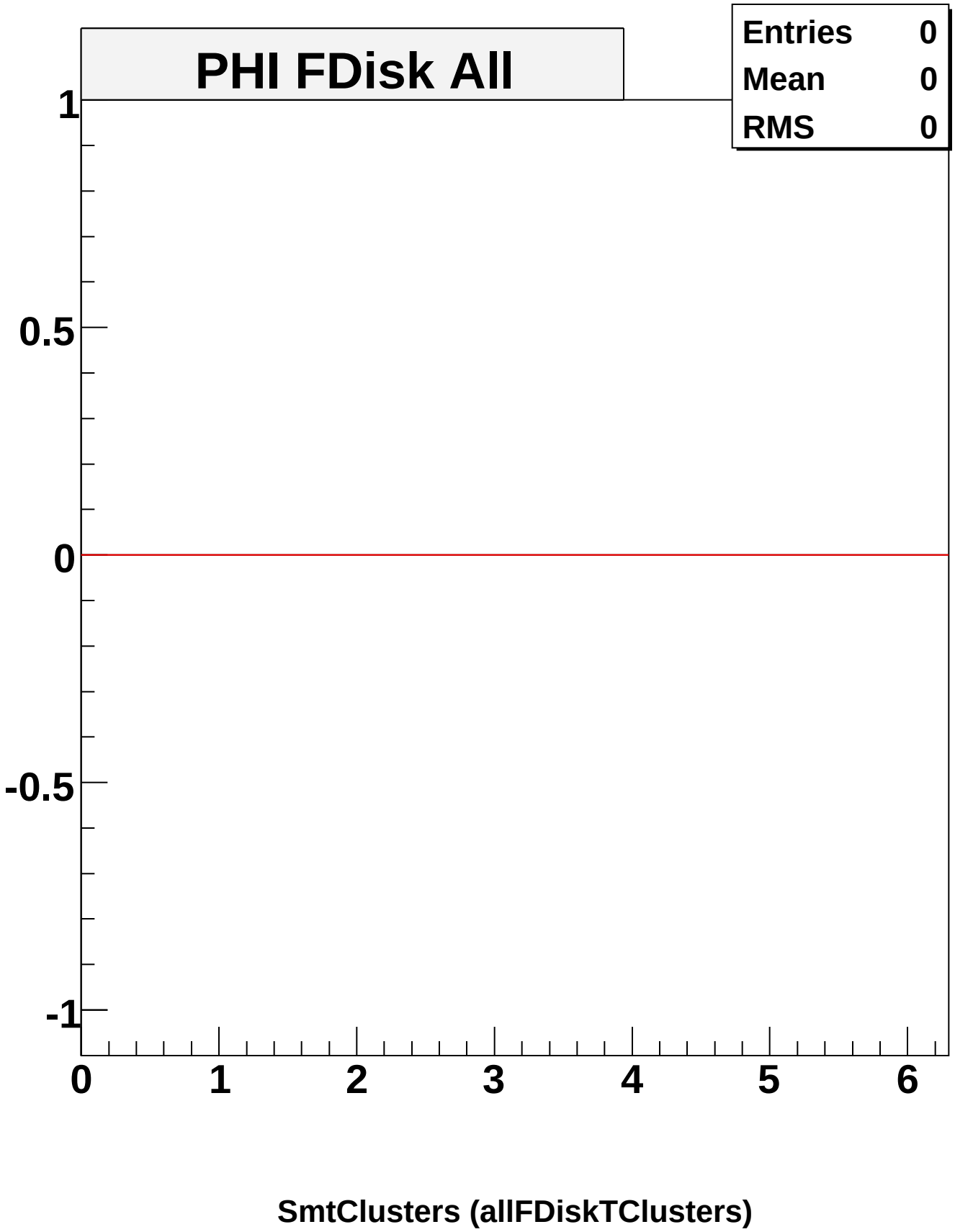
SmtClusters (FDiskClusters)

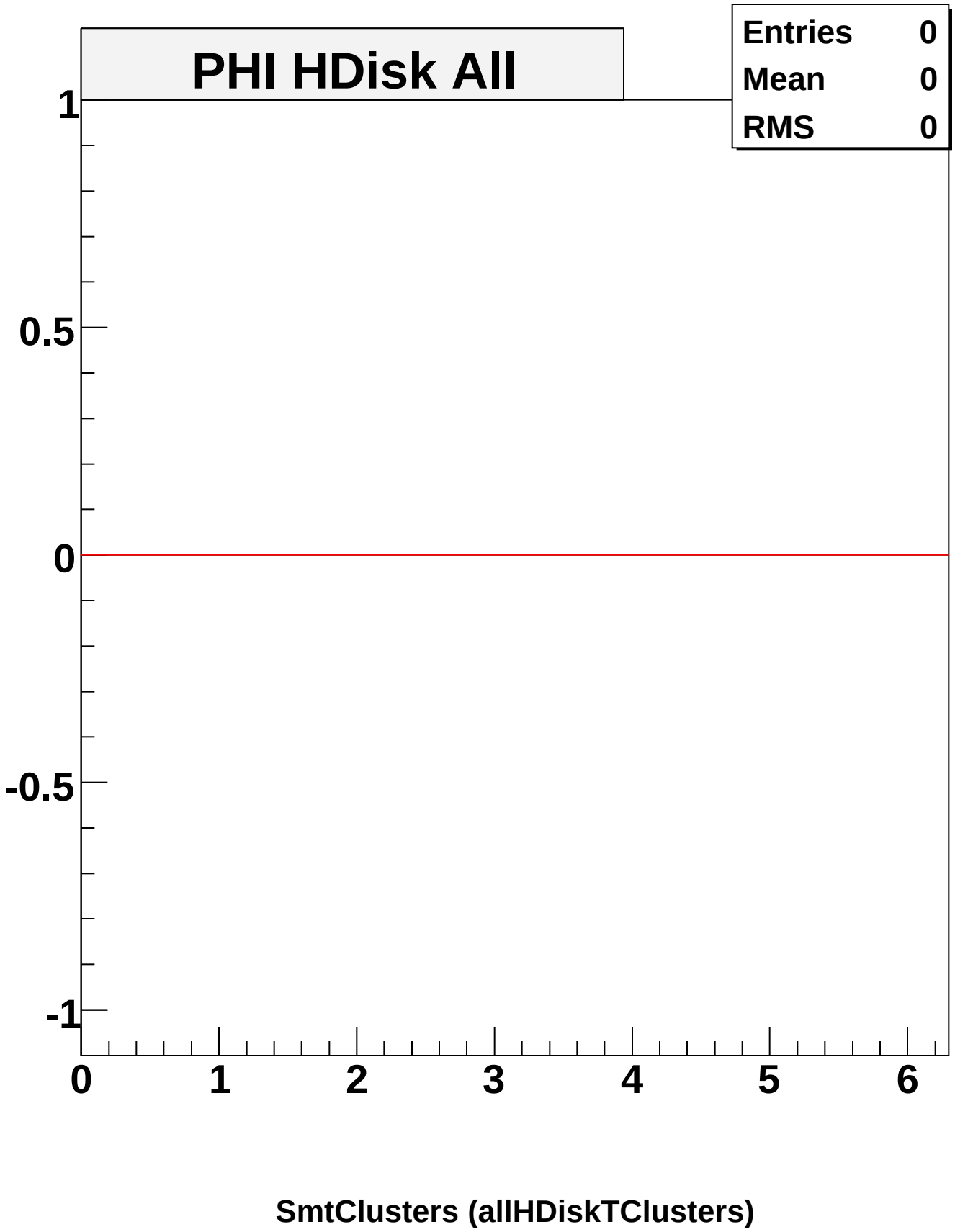


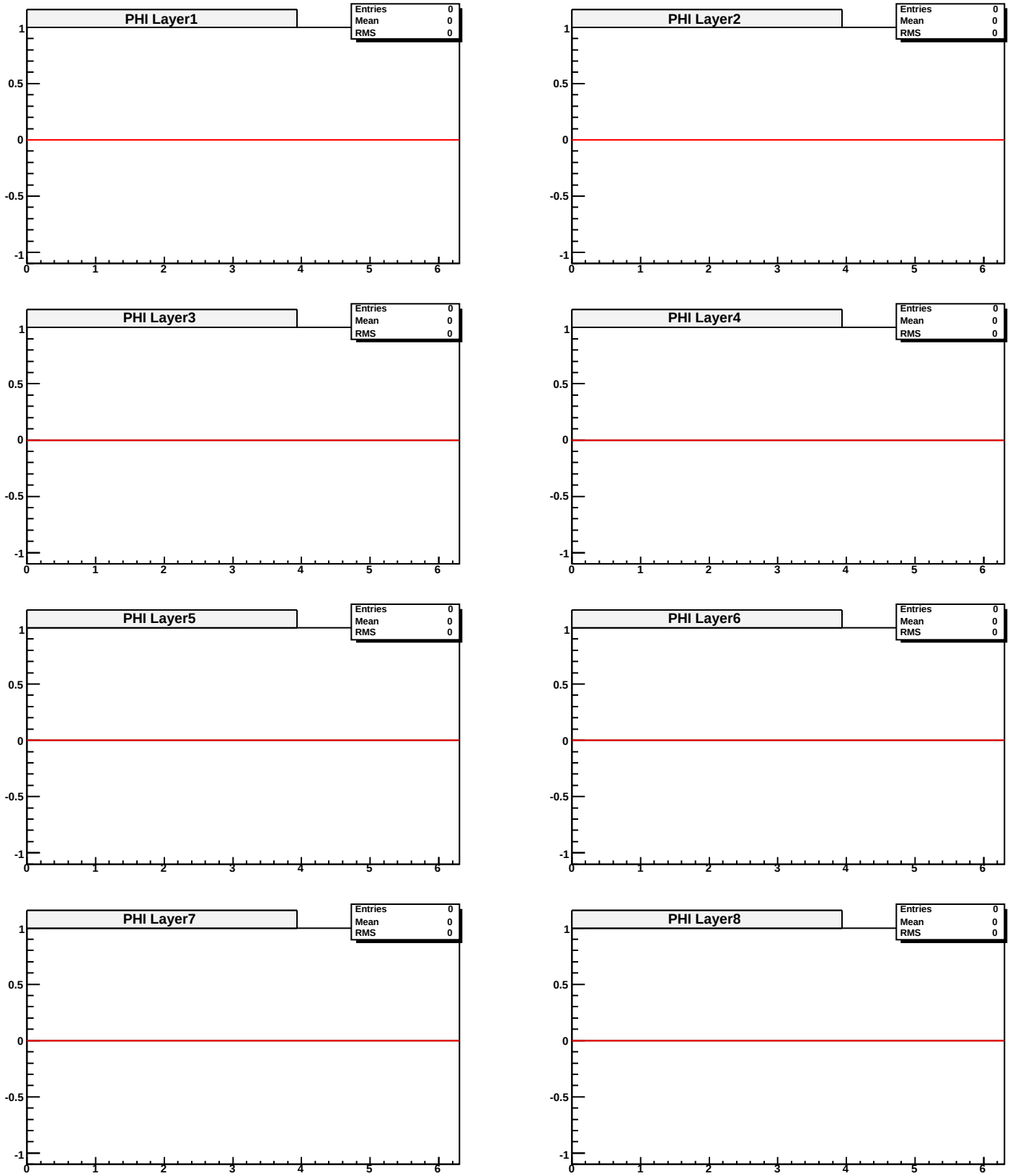
SmtClusters (HDiskClusters)



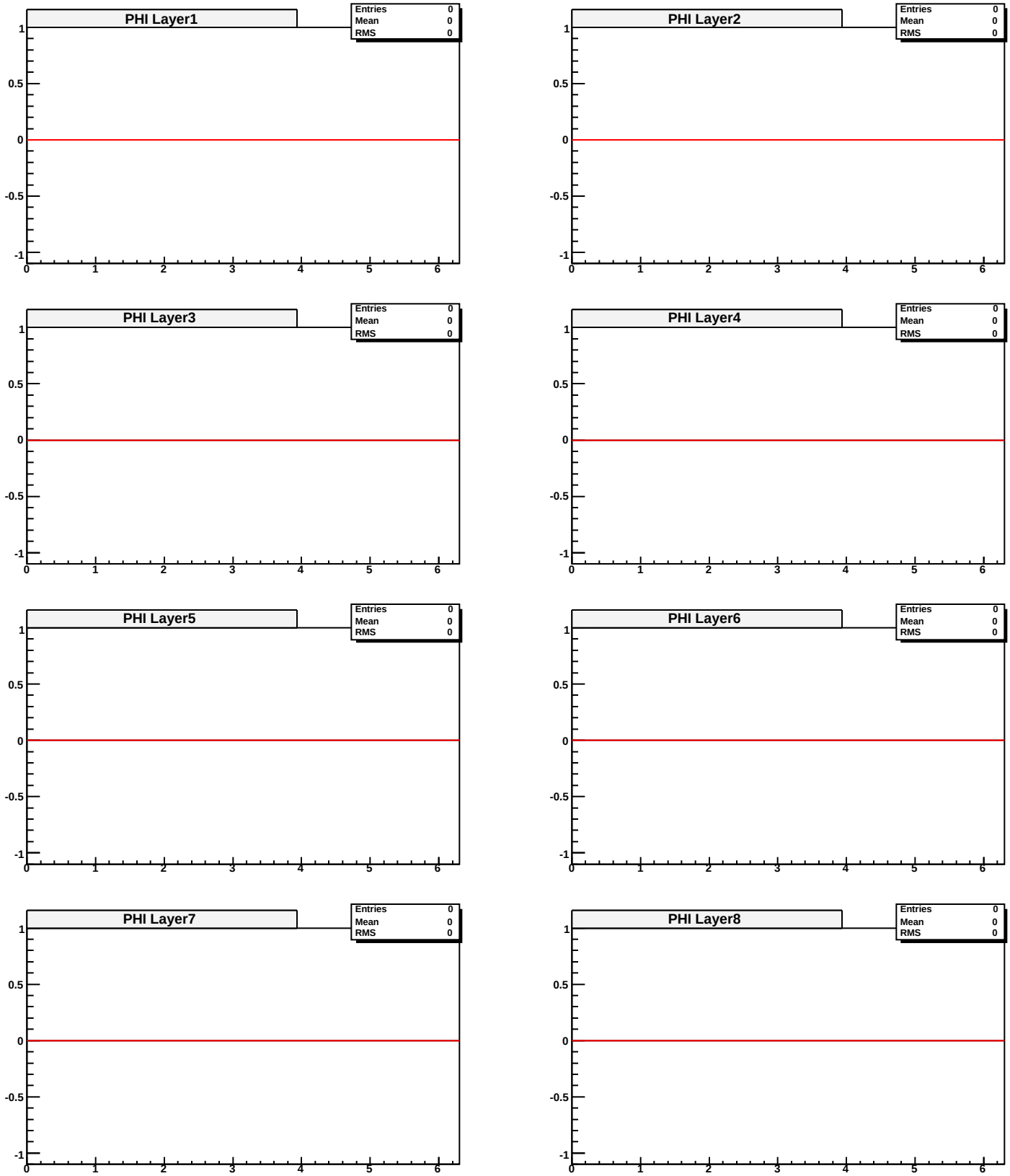
SmtClusters (allBarTClusters)


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)

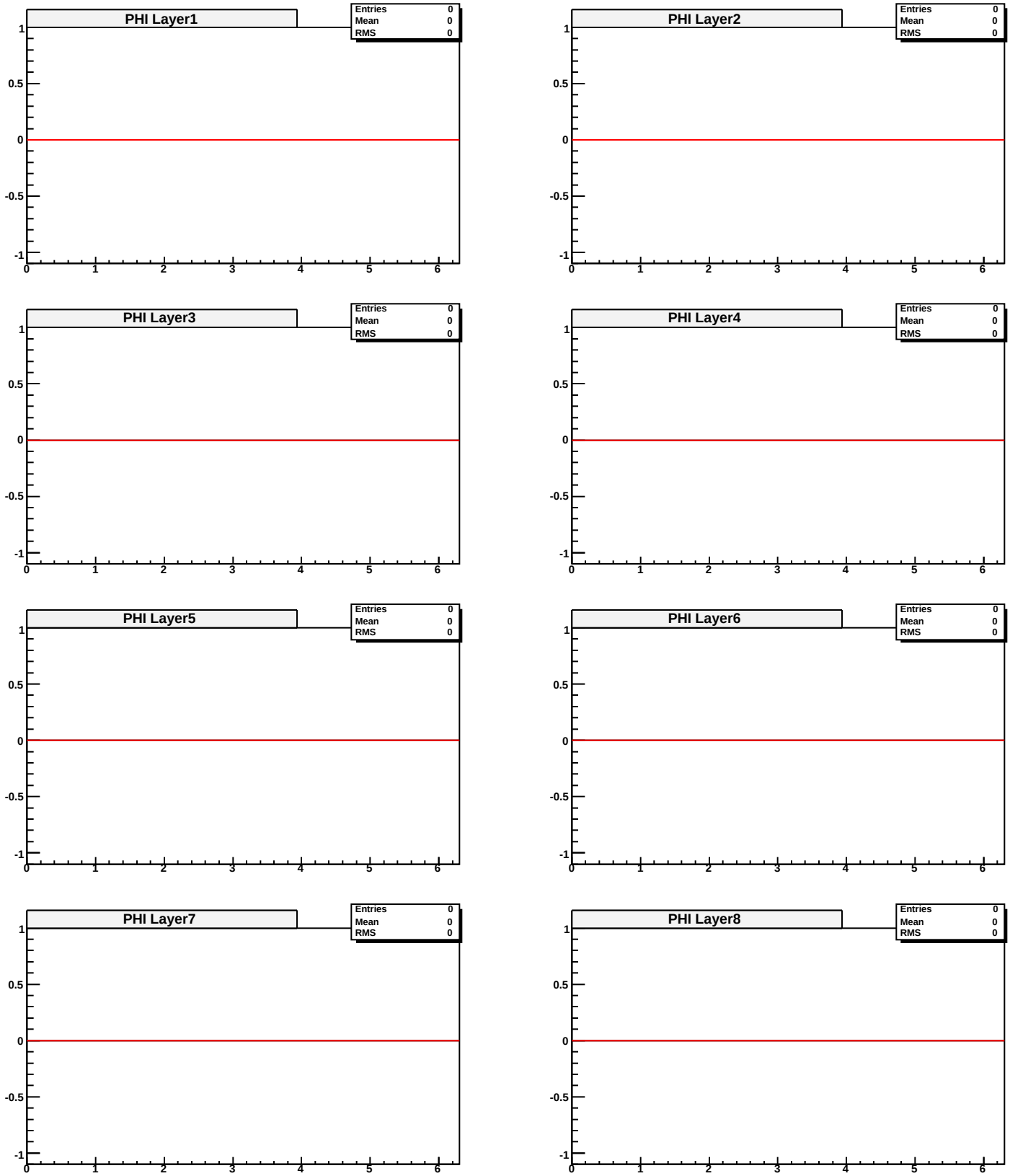

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



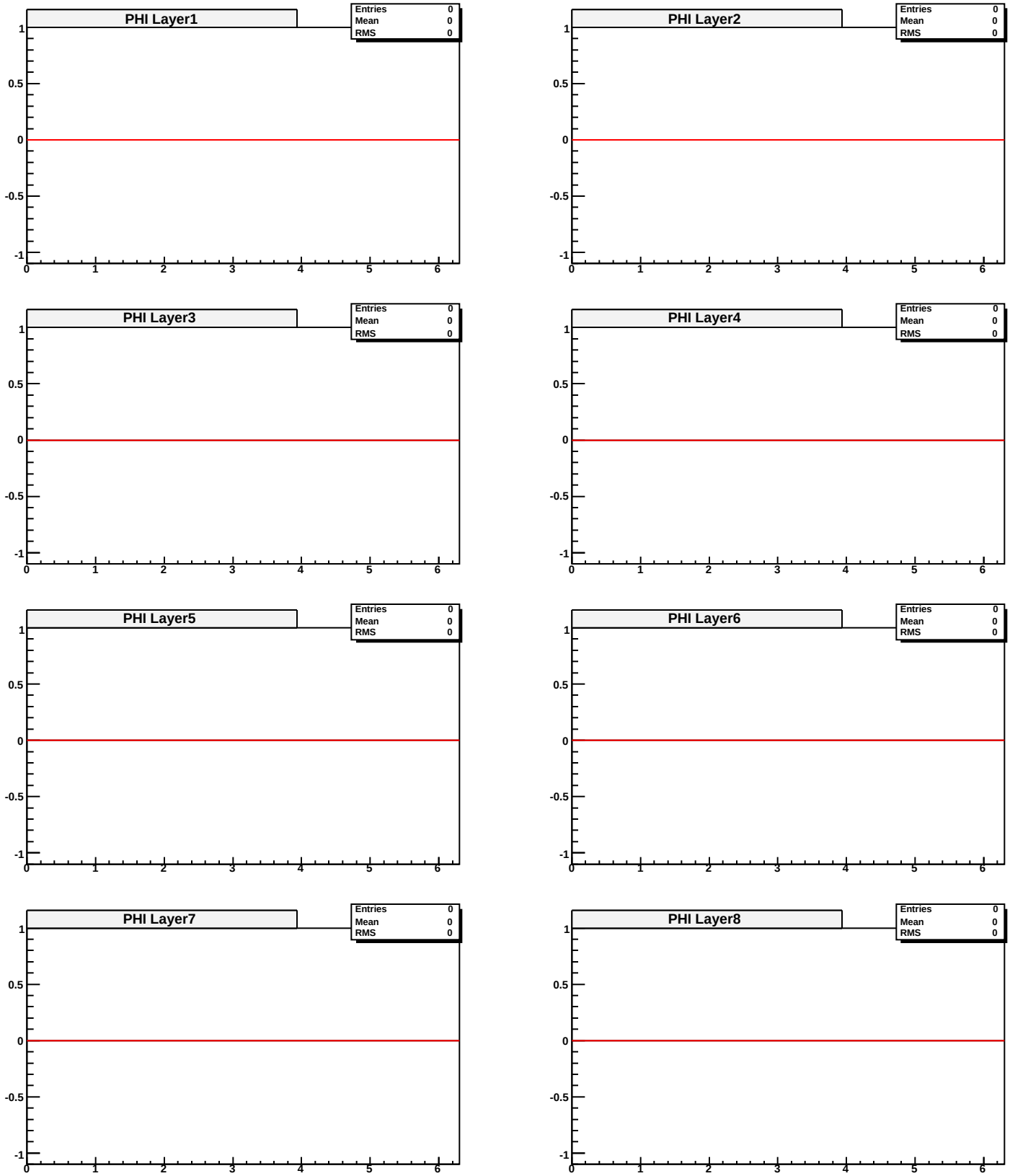
SmtClusters (TClustrBar1)



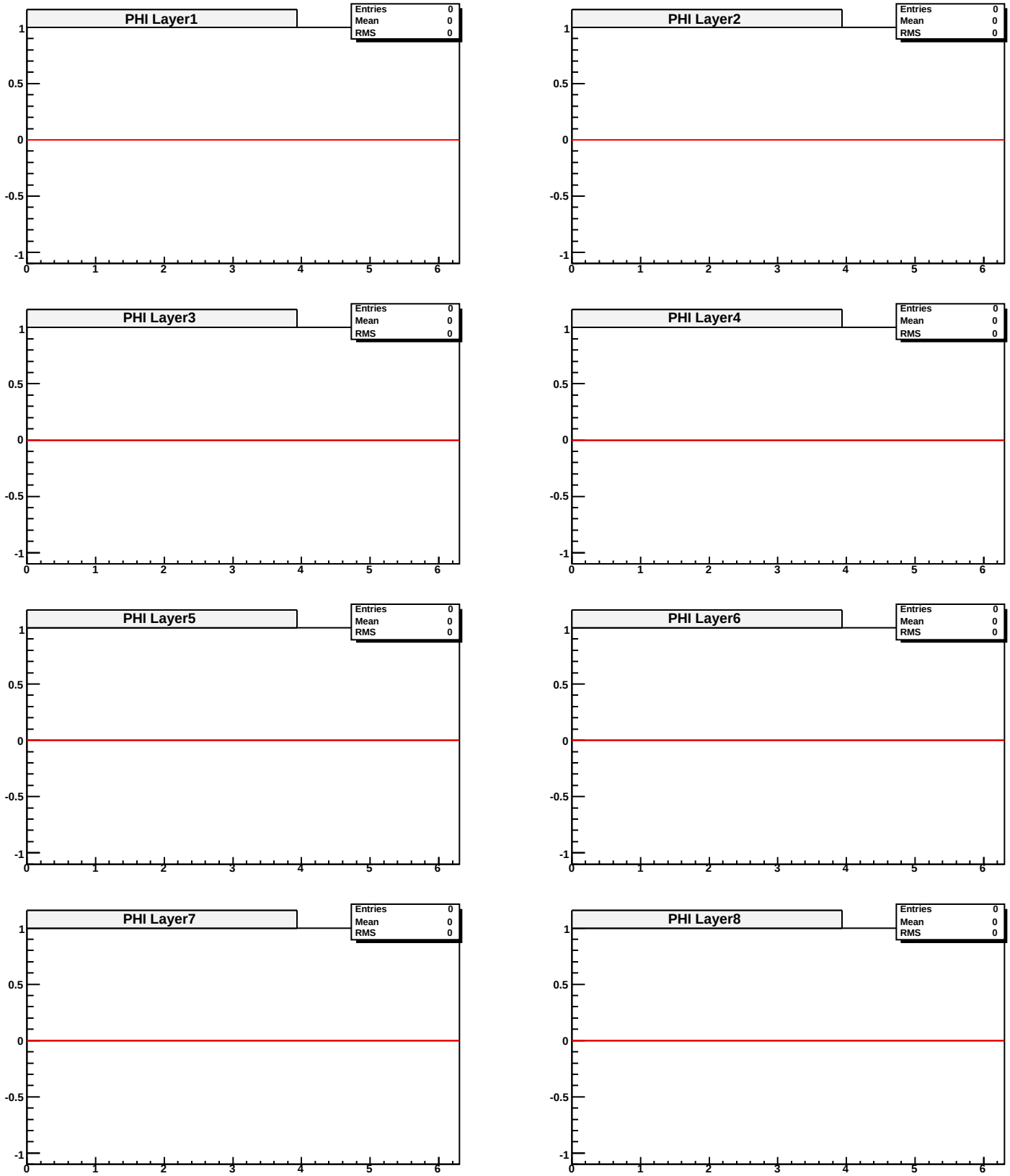
SmtClusters (TClustrBar2)



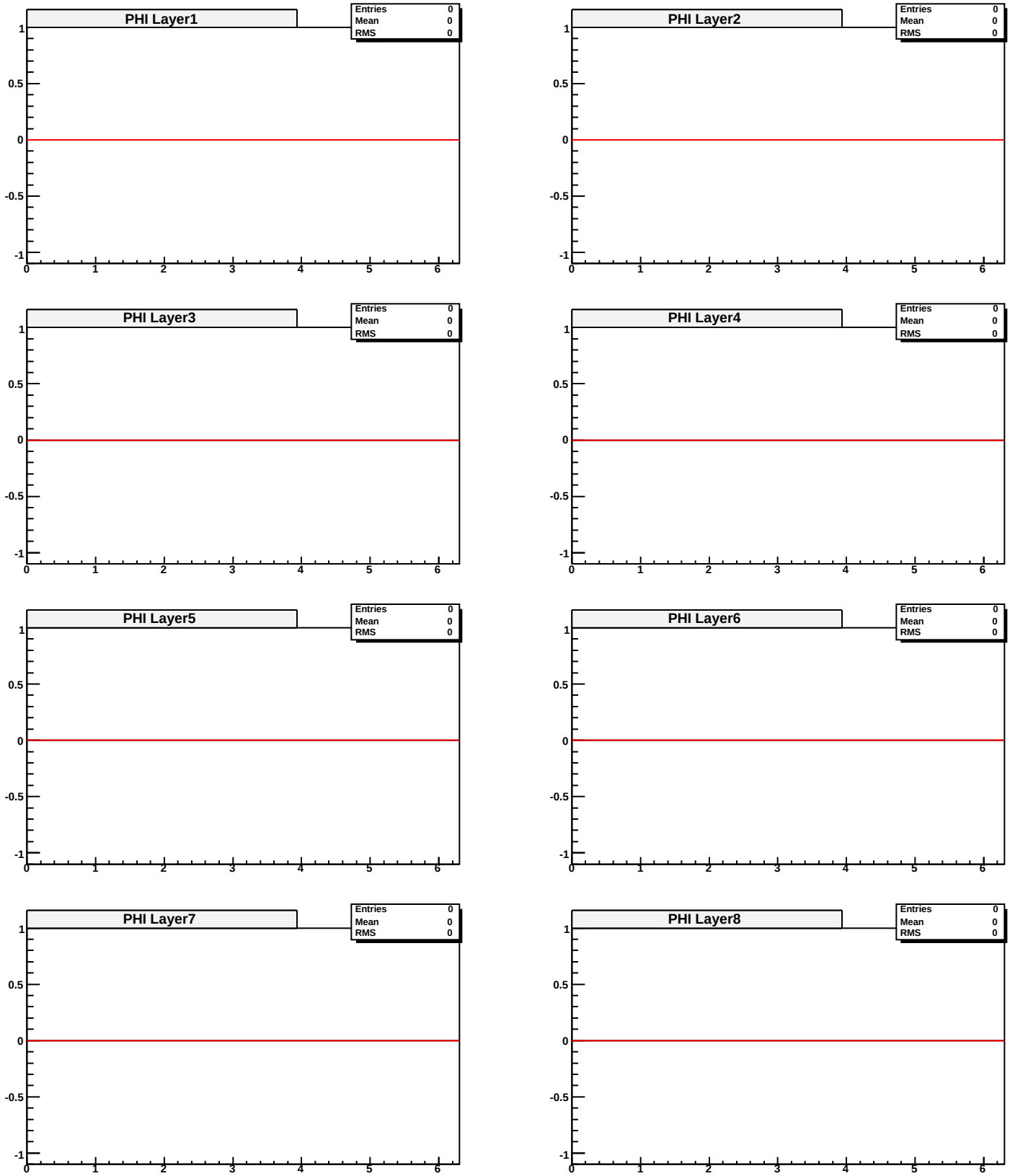
SmtClusters (TClustrBar3)



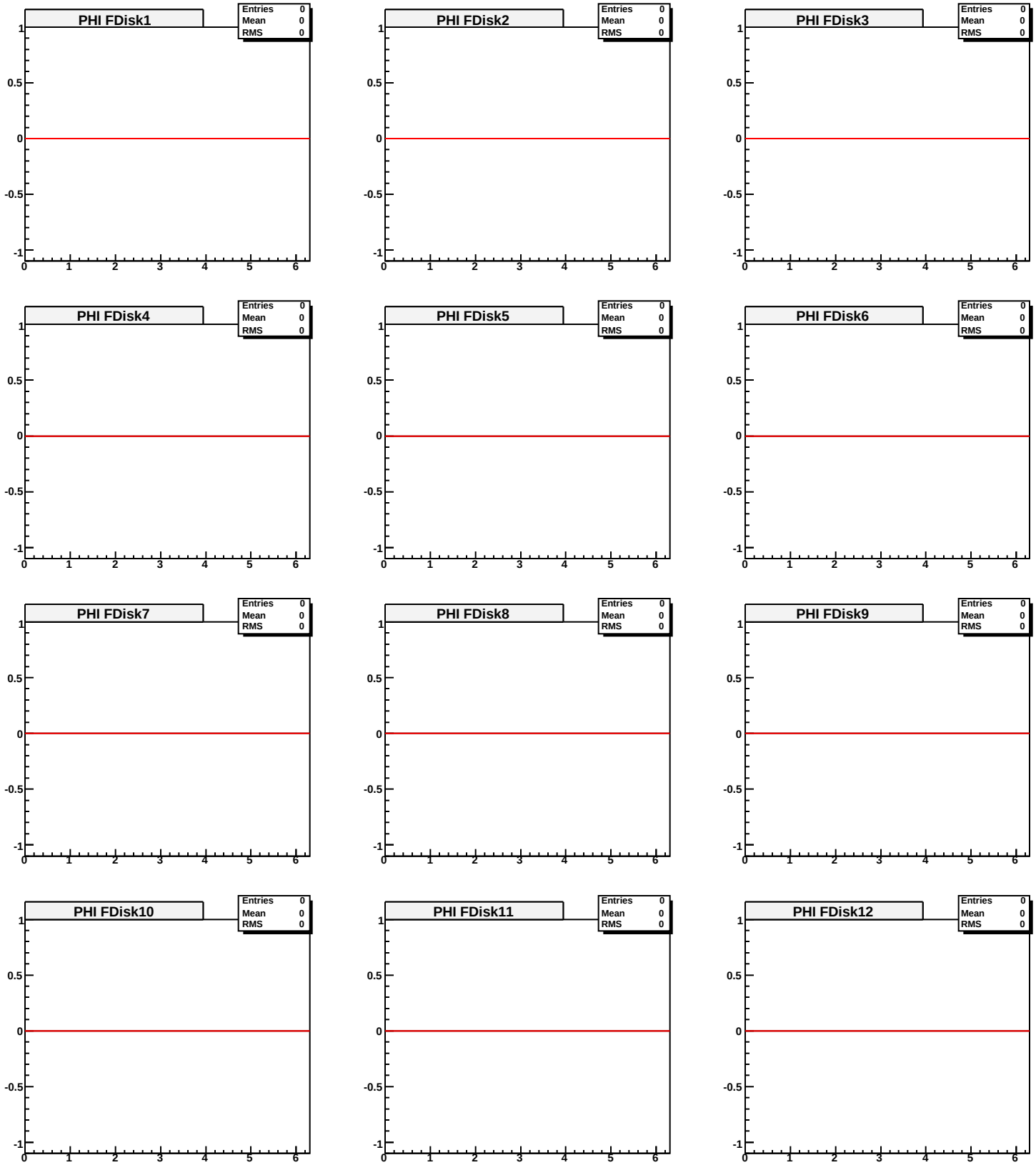
SmtClusters (TClustrBar4)



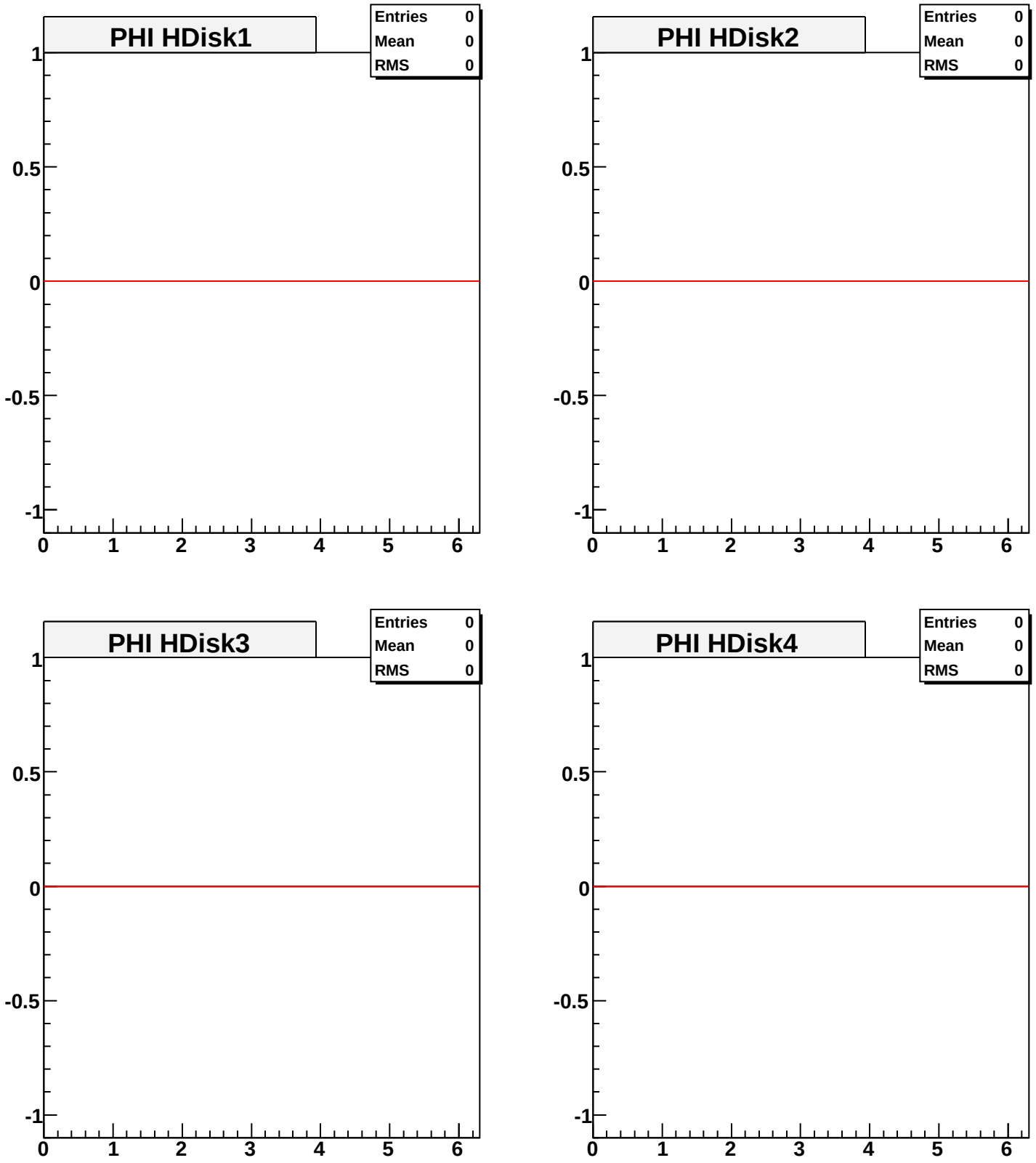
SmtClusters (TClustrBar5)



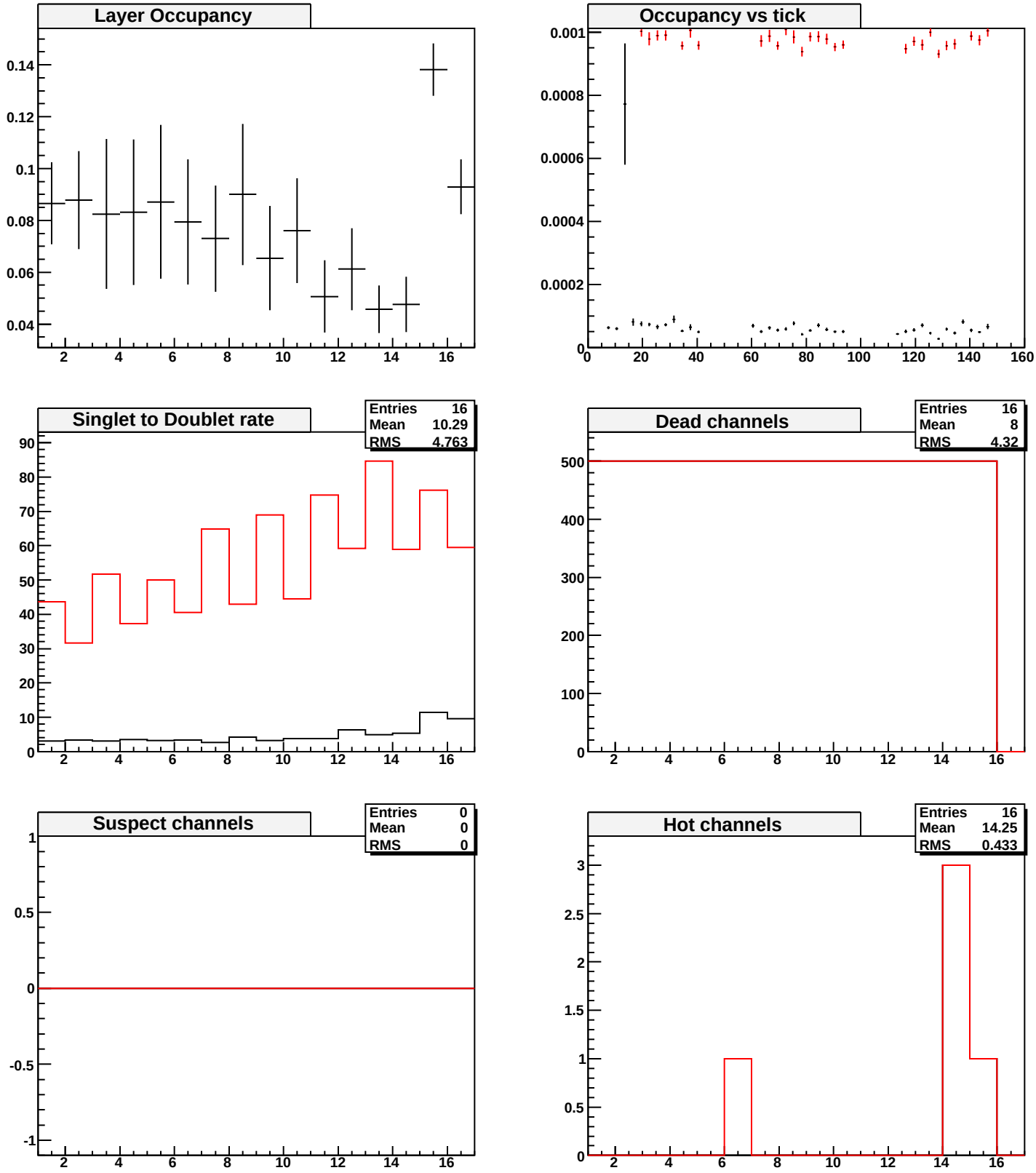
SmtClusters (TClustrBar6)



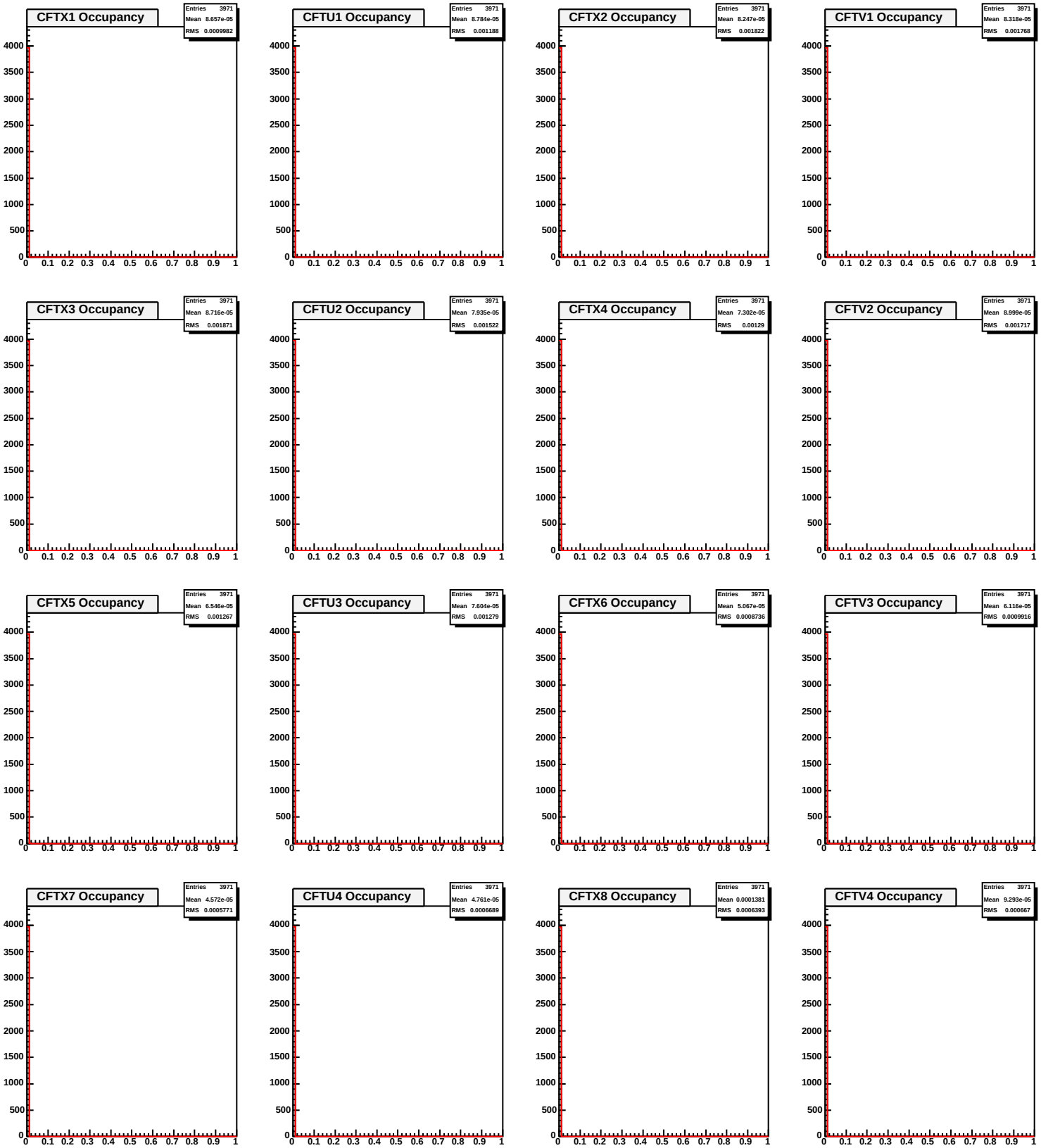
SmtClusters (FDiskTClusters)



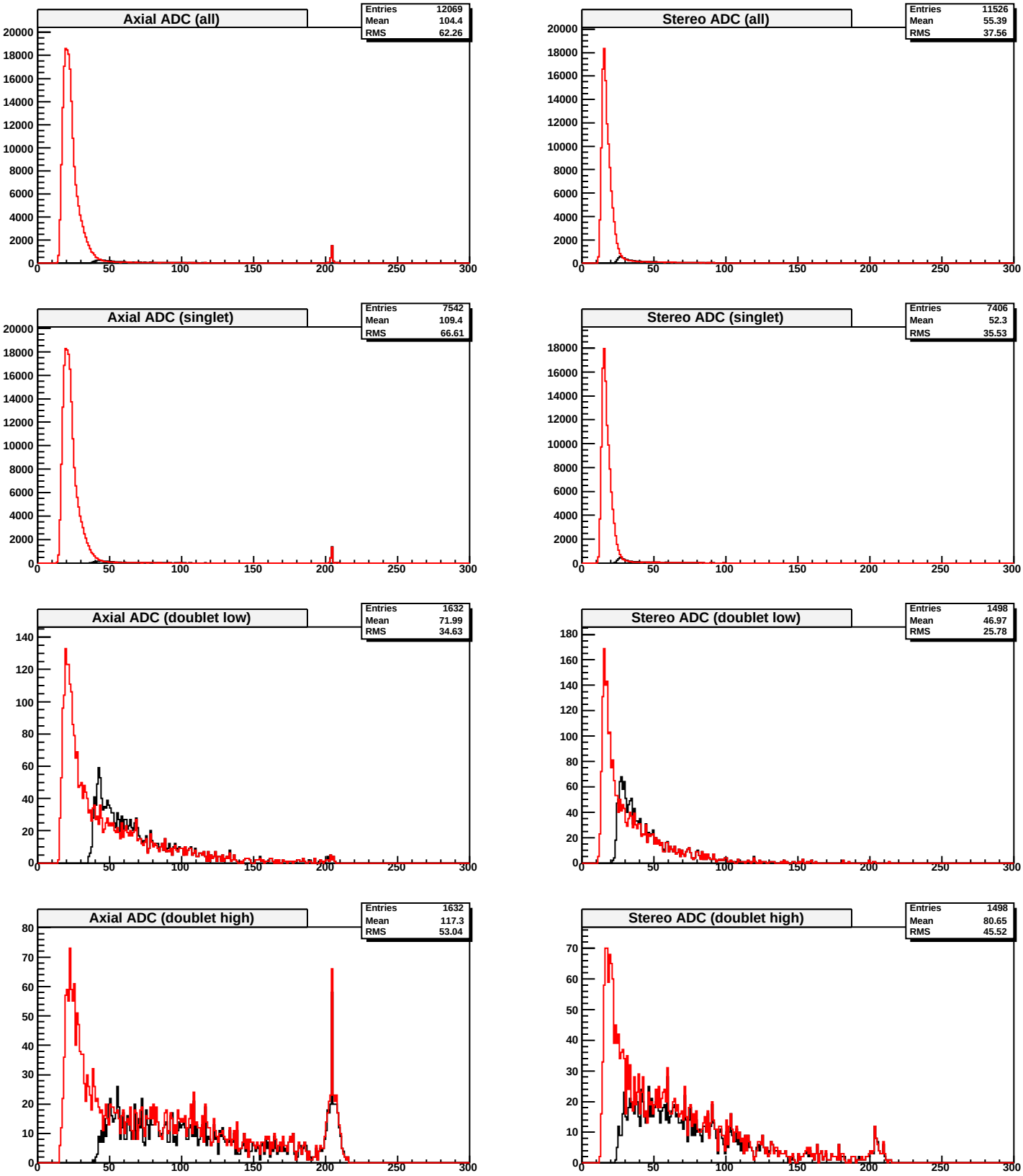
SmtClusters (HDiskTClusters)



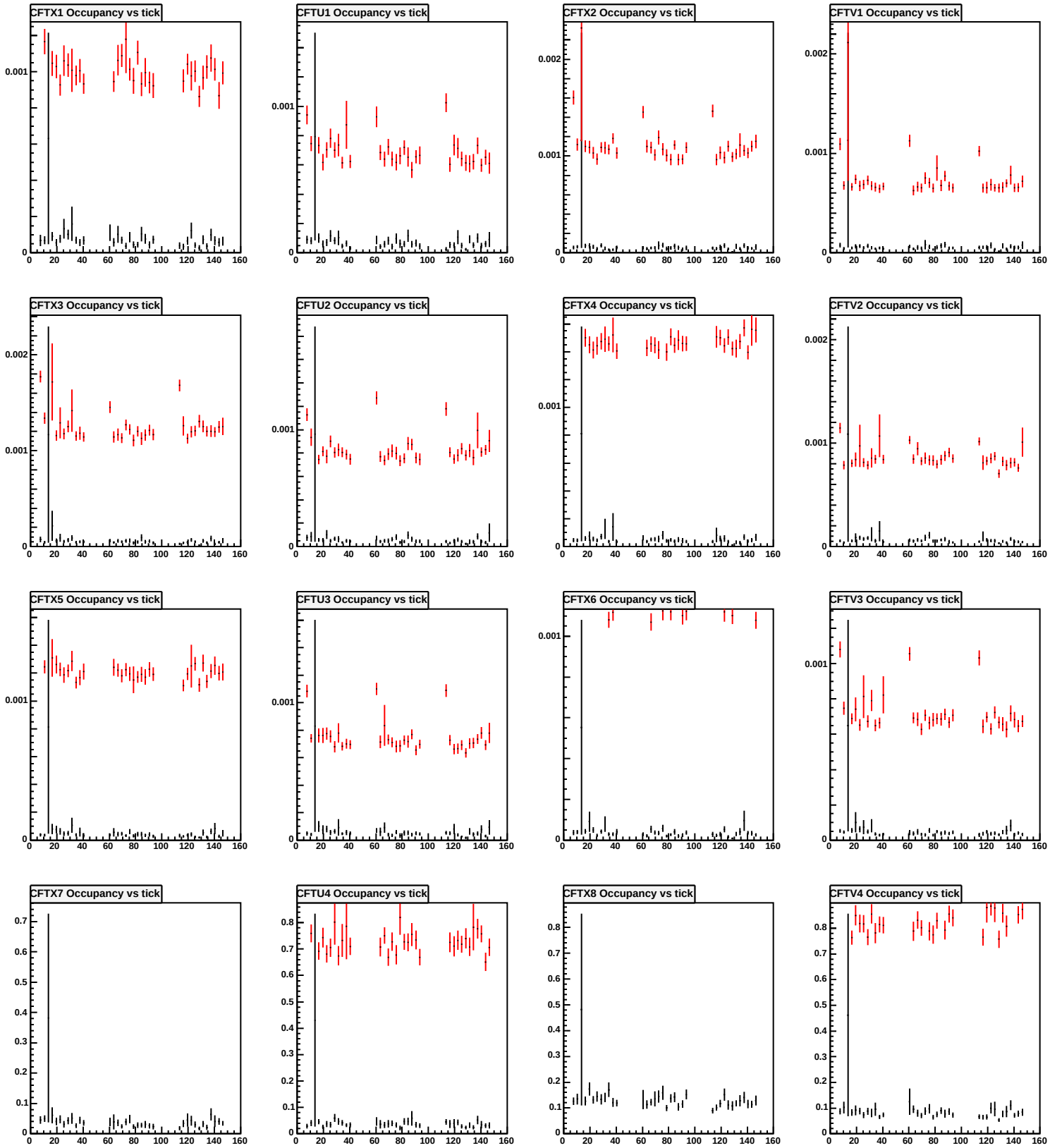
CFT Summary (All Clusters)



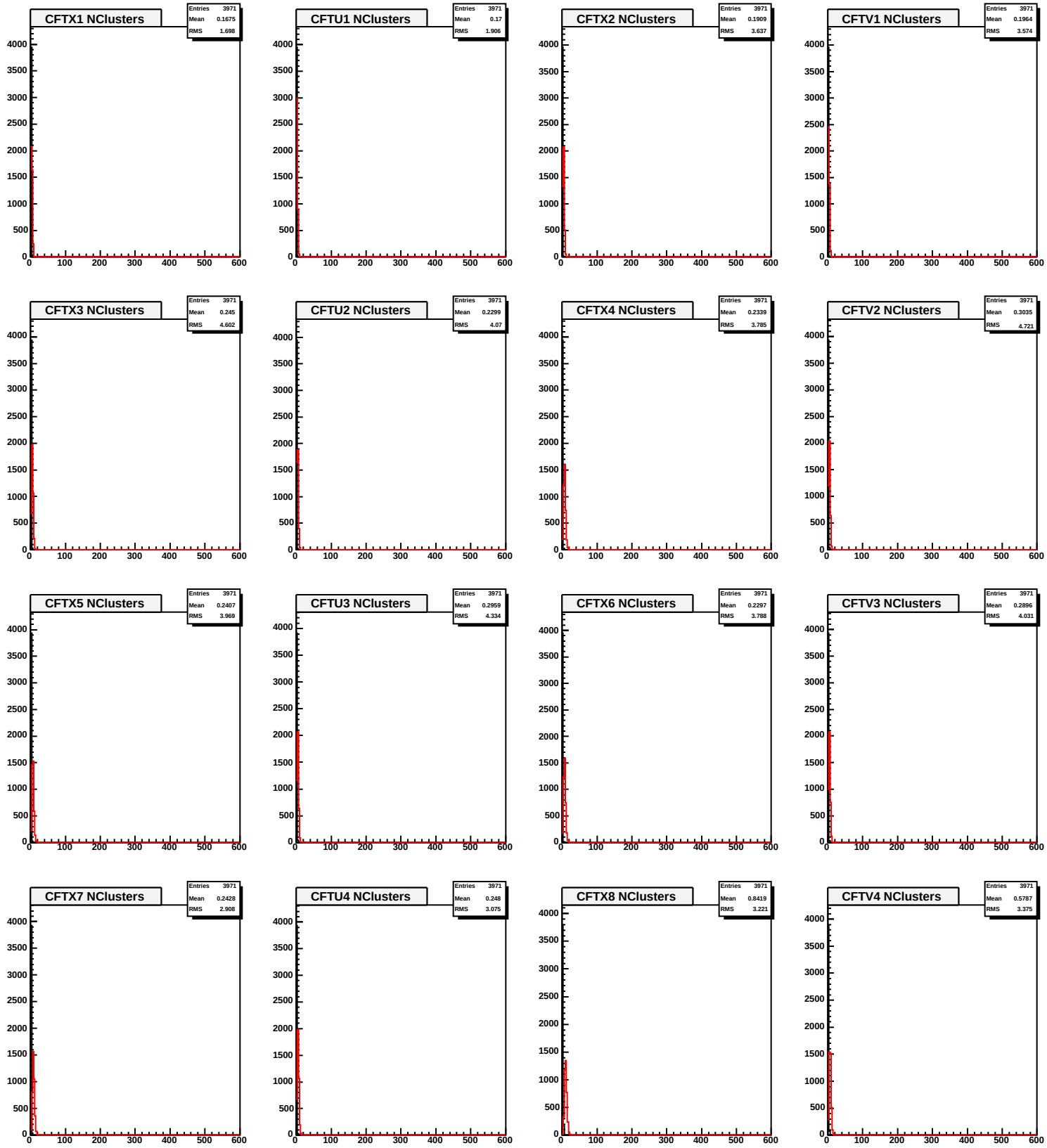
CFT Occupancy (All Clusters)



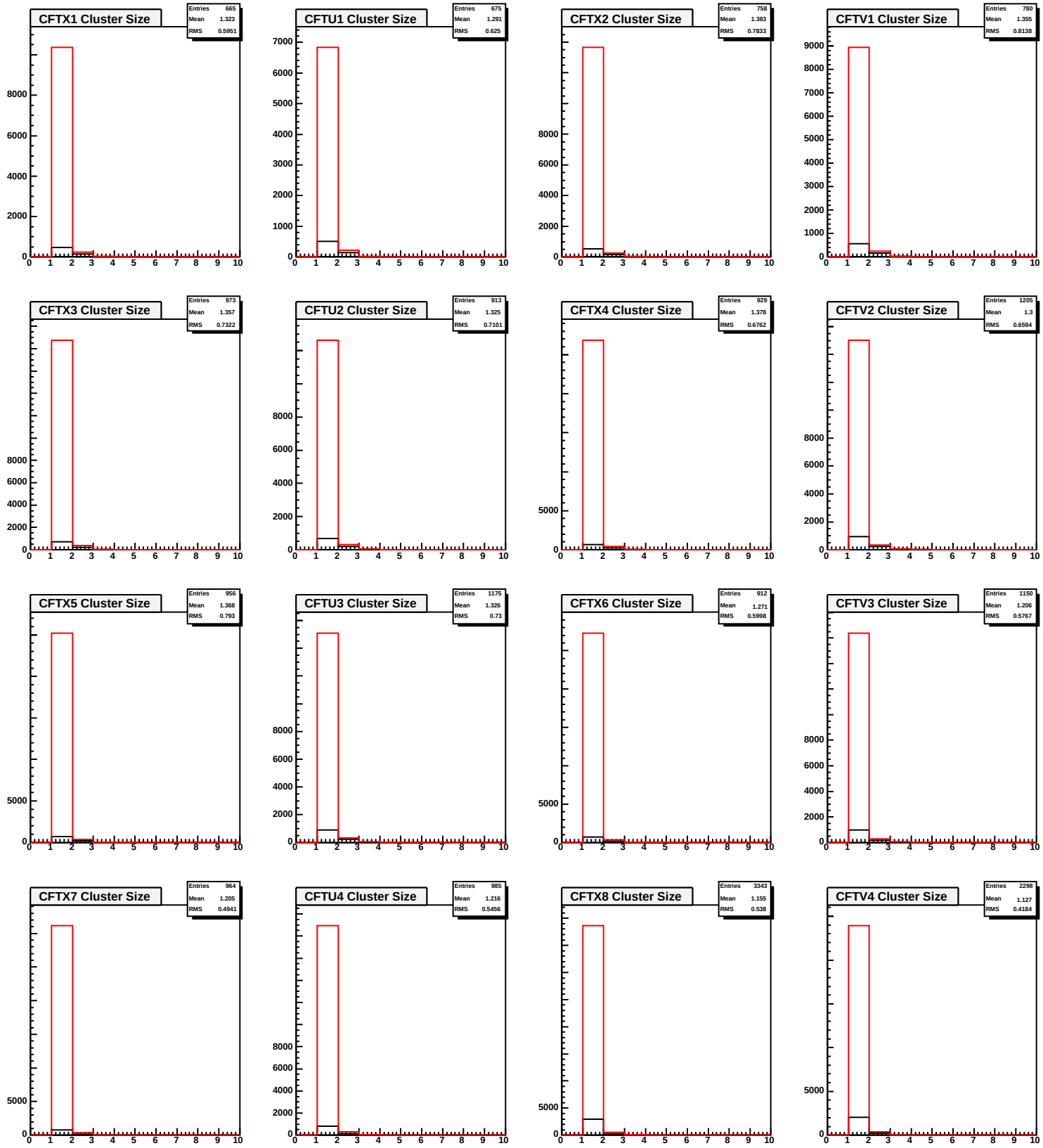
CFT ADC Summary (All Clusters)



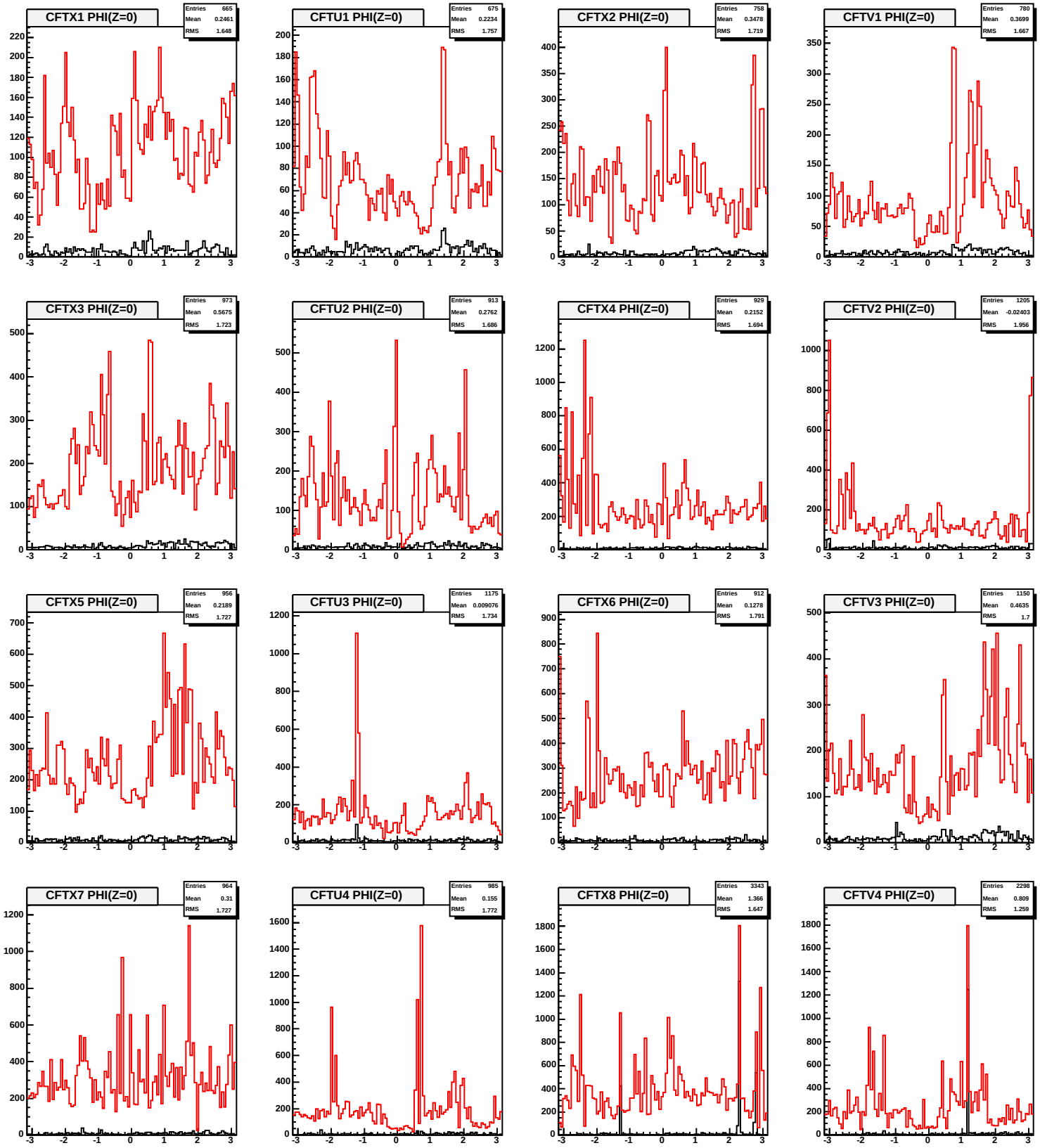
CFT Occupancy vs Tick (All Clusters)



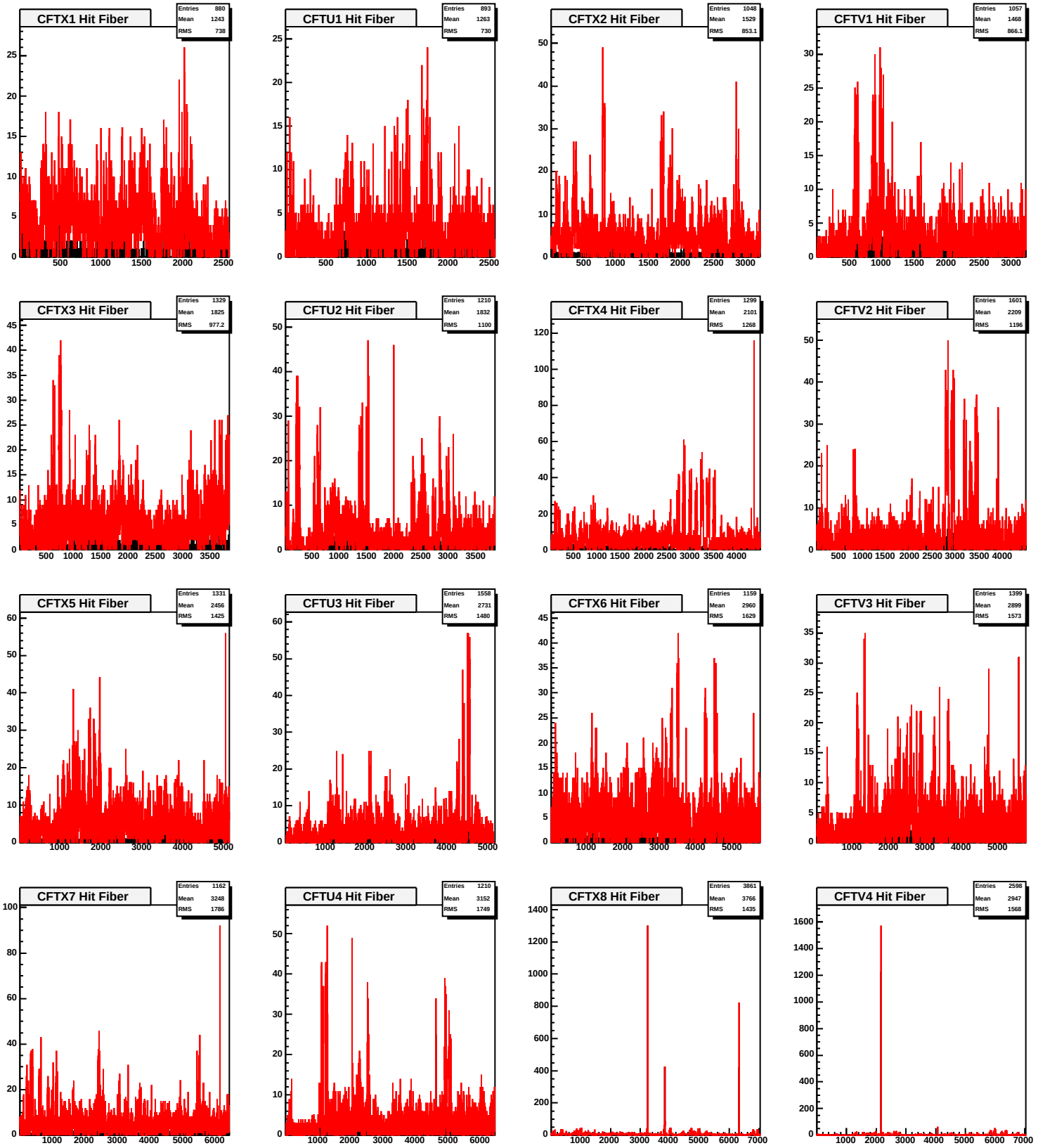
CFT NClusters (All Clusters)



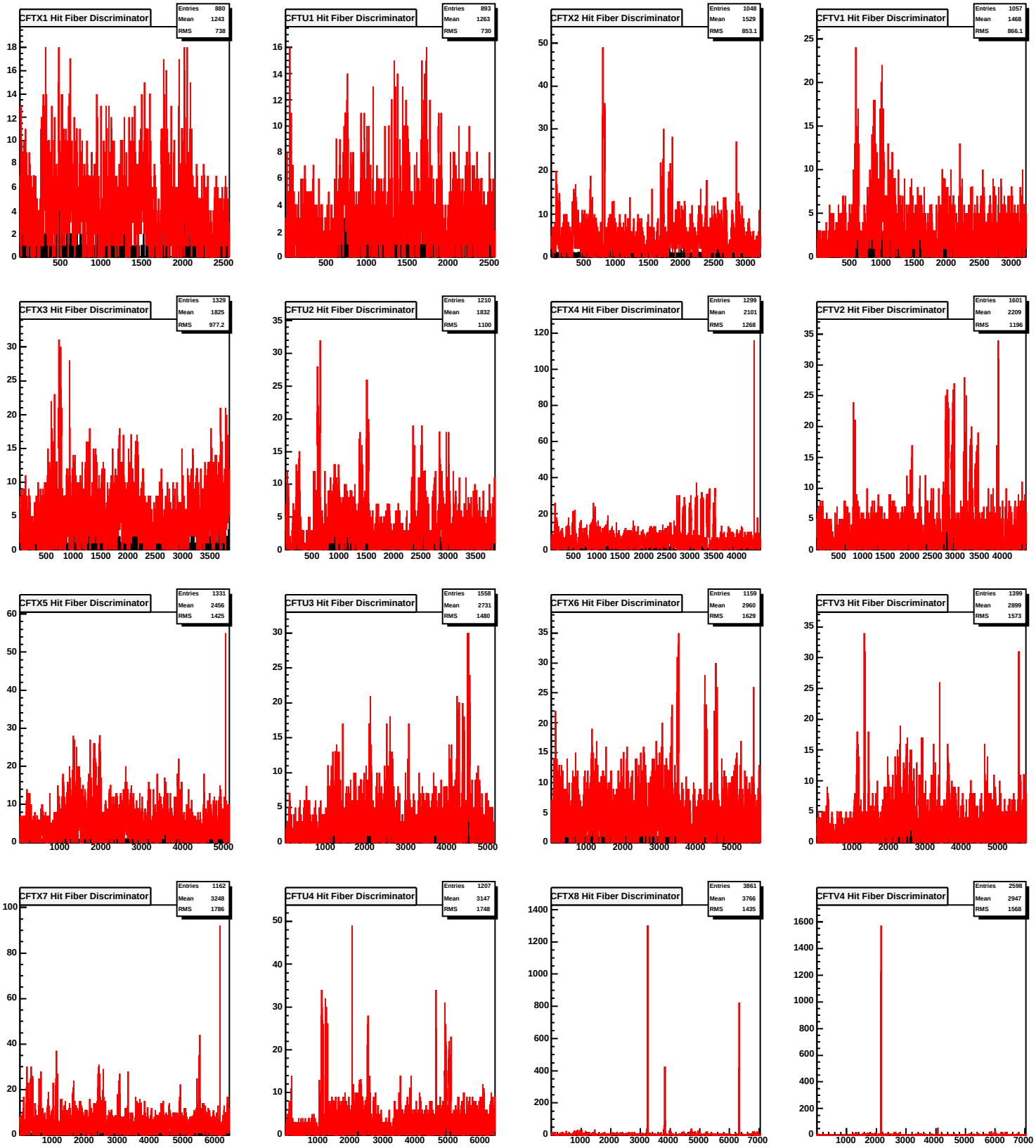
CFT Cluster Size (All Clusters)



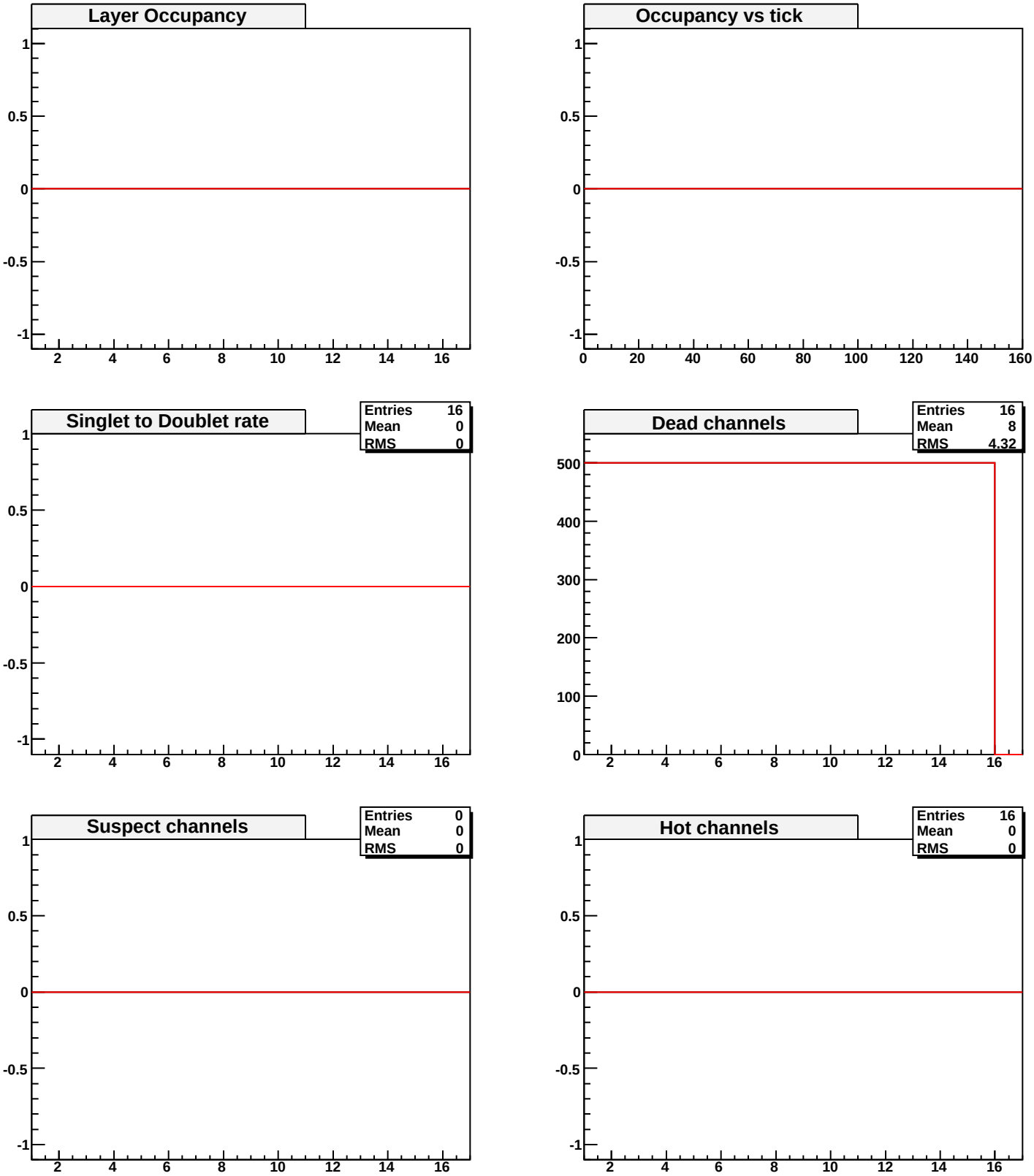
CFT PHI(Z=0) (All Clusters)



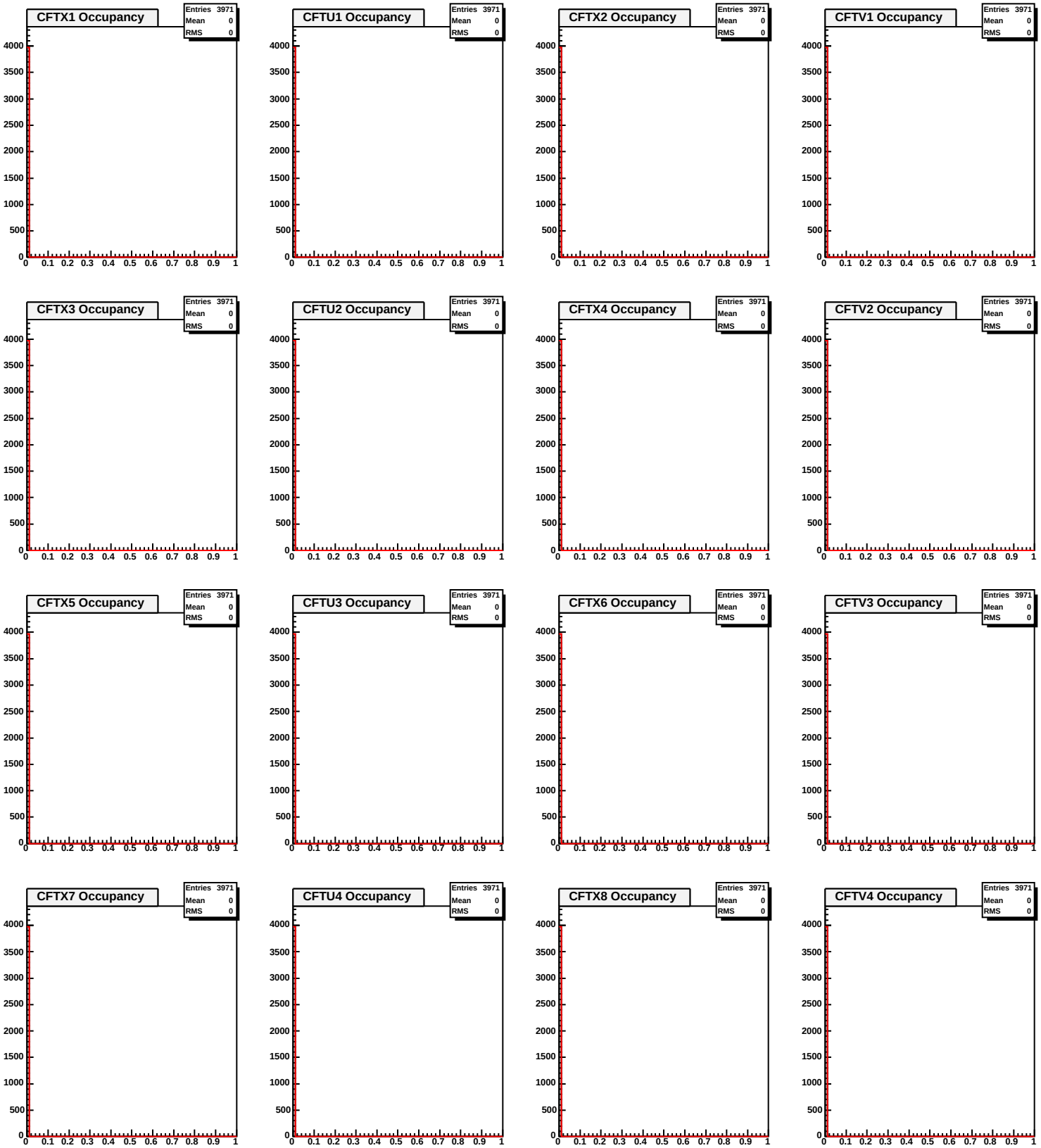
CFT Hit Fiber (All Clusters)



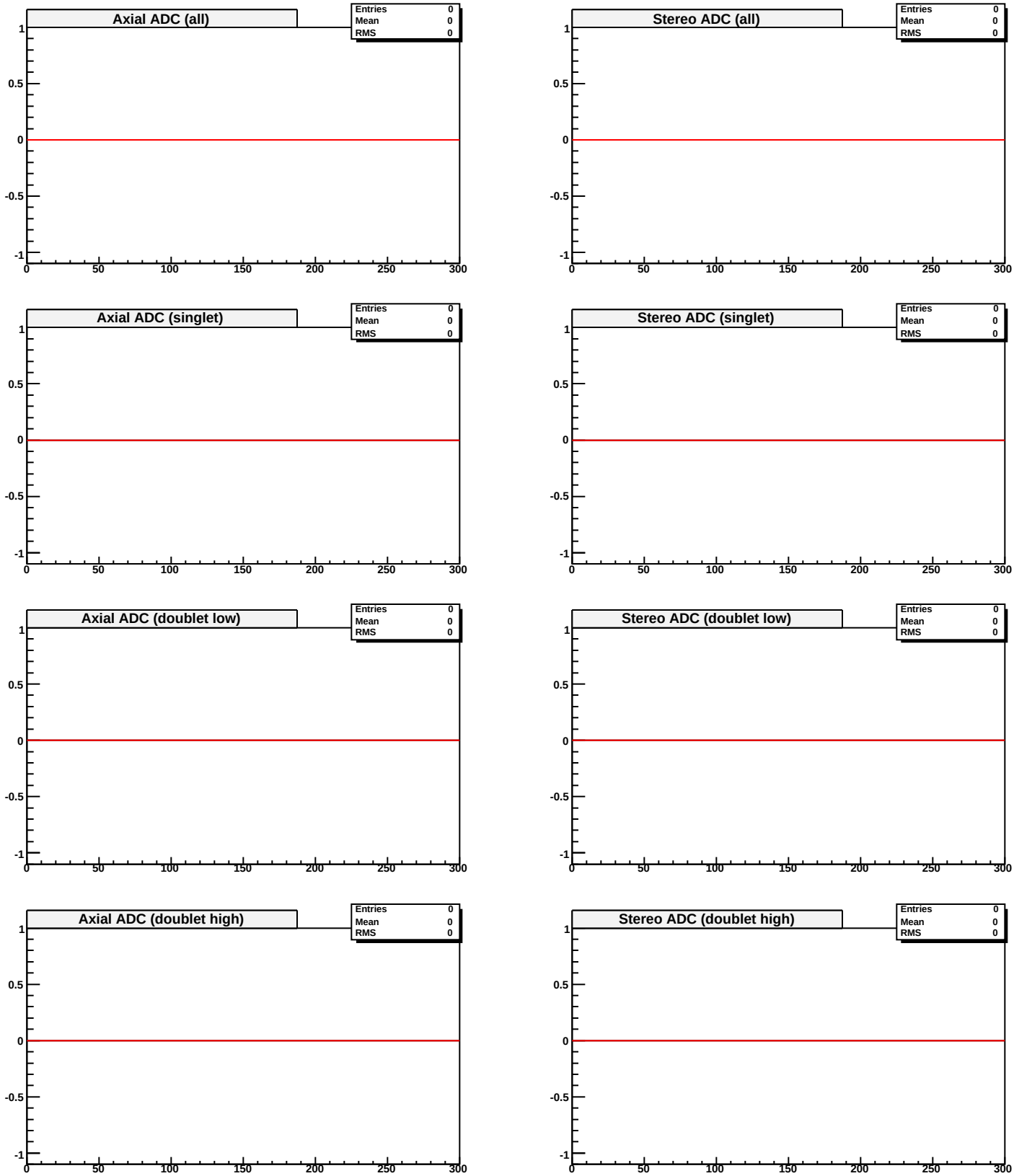
CFT Hit Fiber Discriminator (All Clusters)



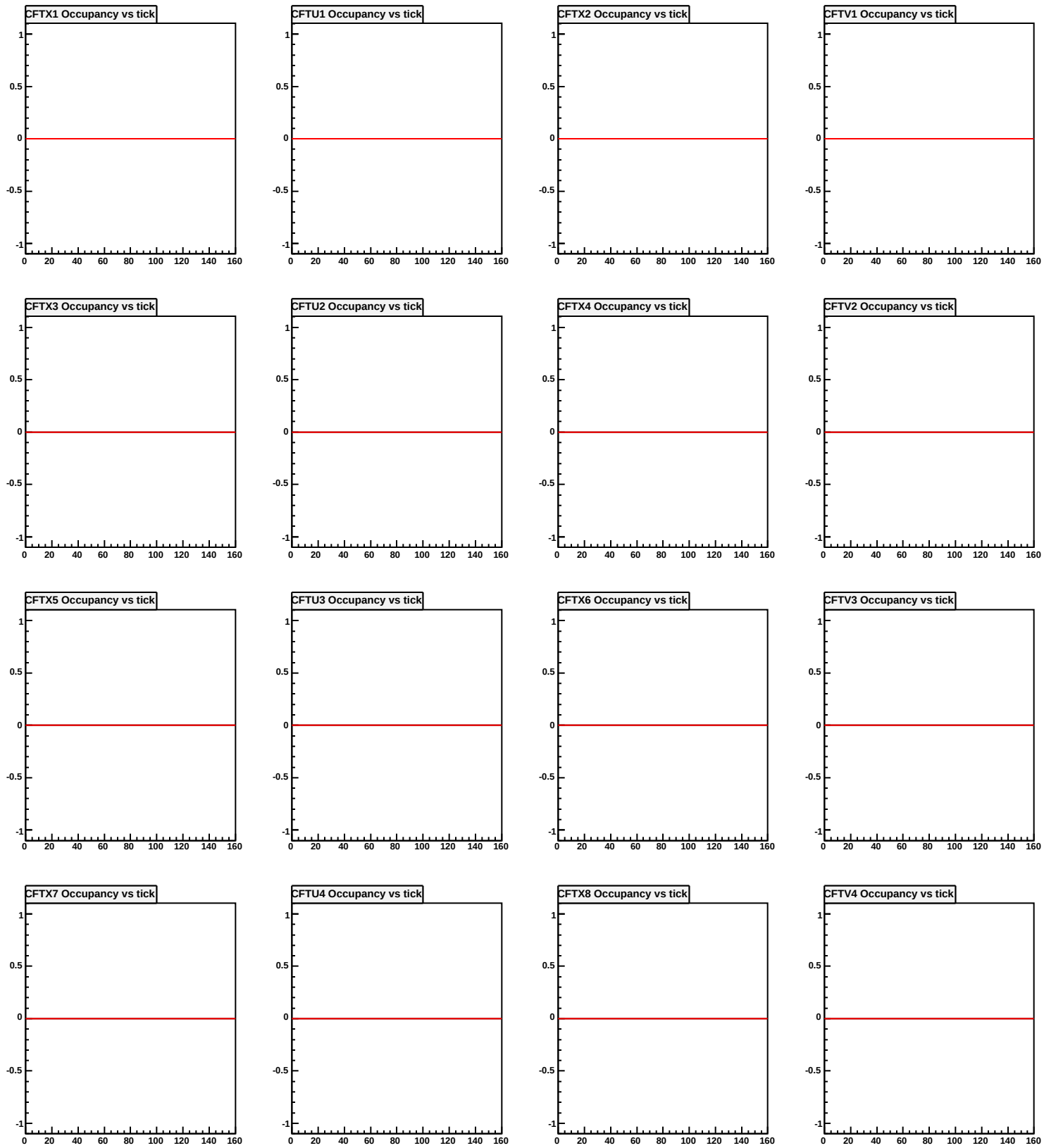
CFT Summary (Clusters on tracks)



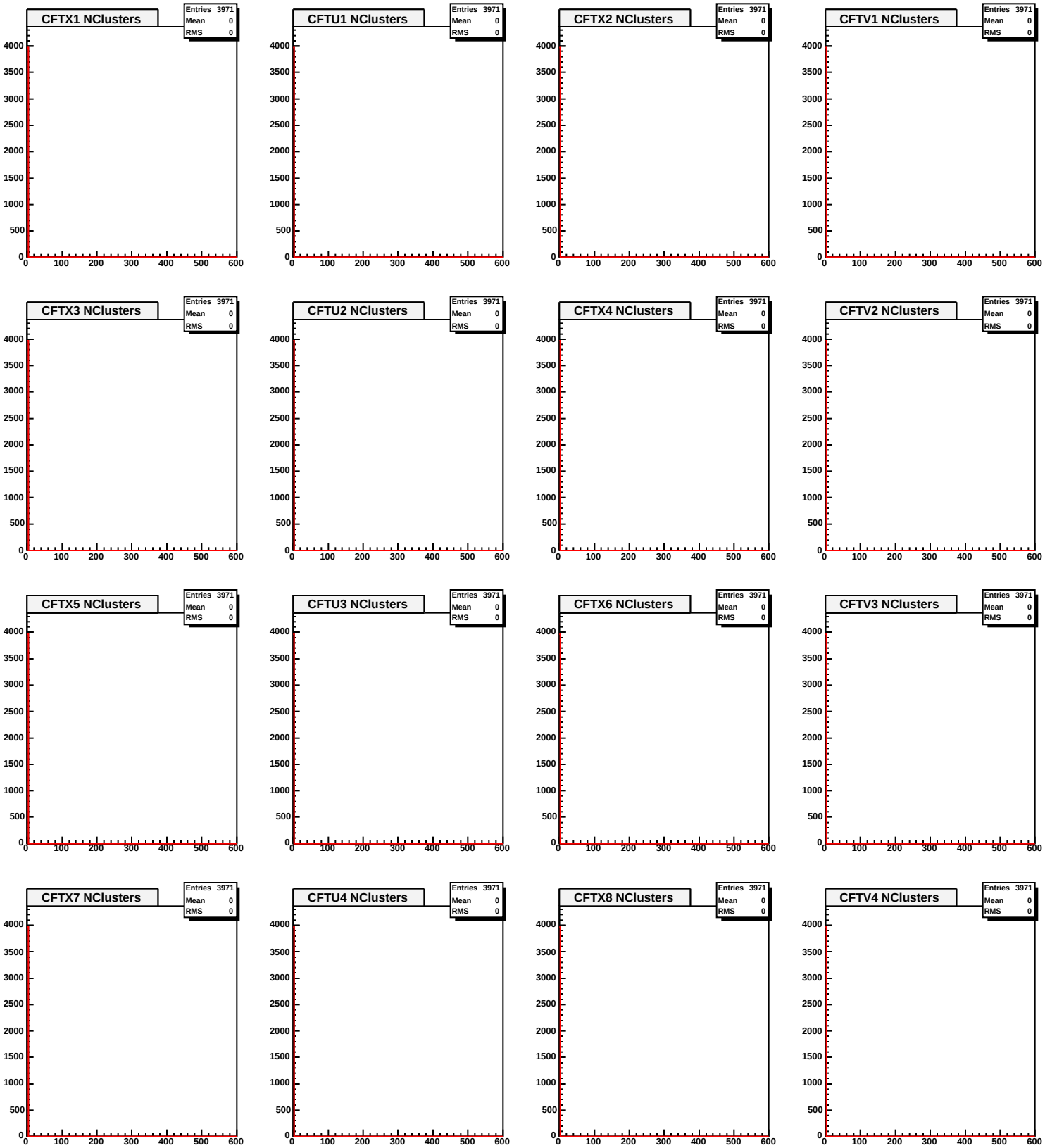
CFT Occupancy (Clusters on tracks)



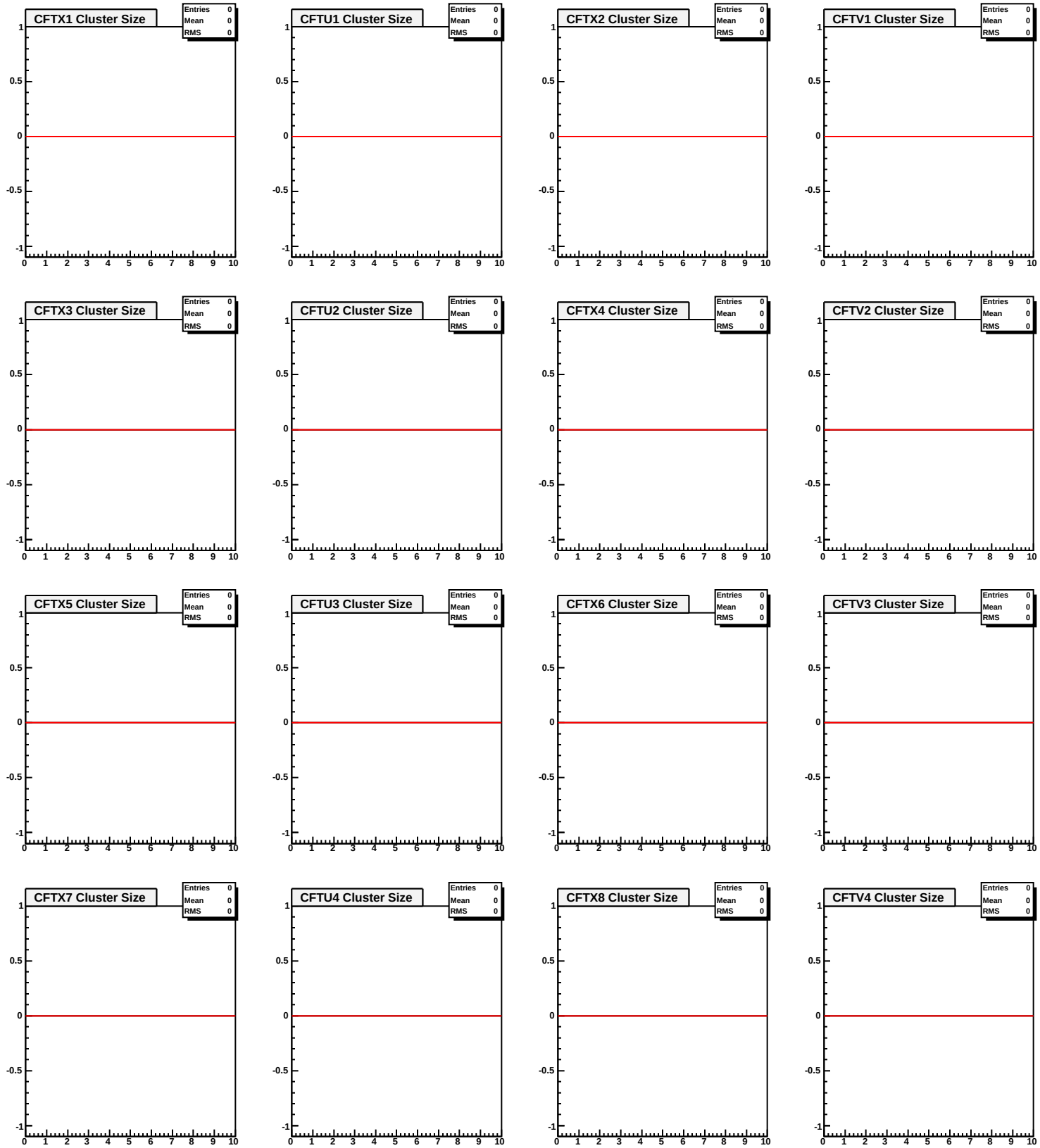
CFT ADC Summary (Clusters on tracks)



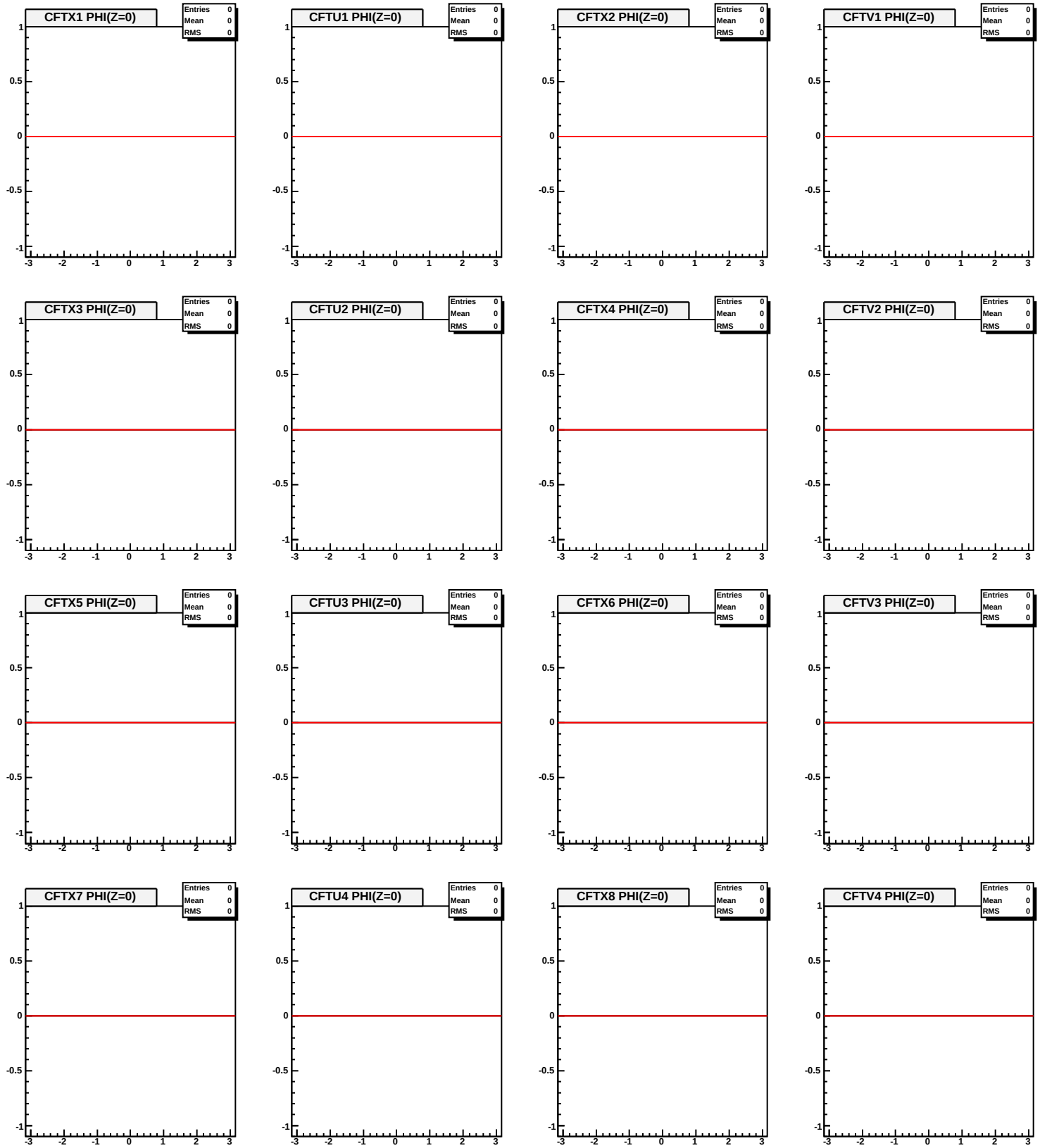
CFT Occupancy vs Tick (Clusters on tracks)



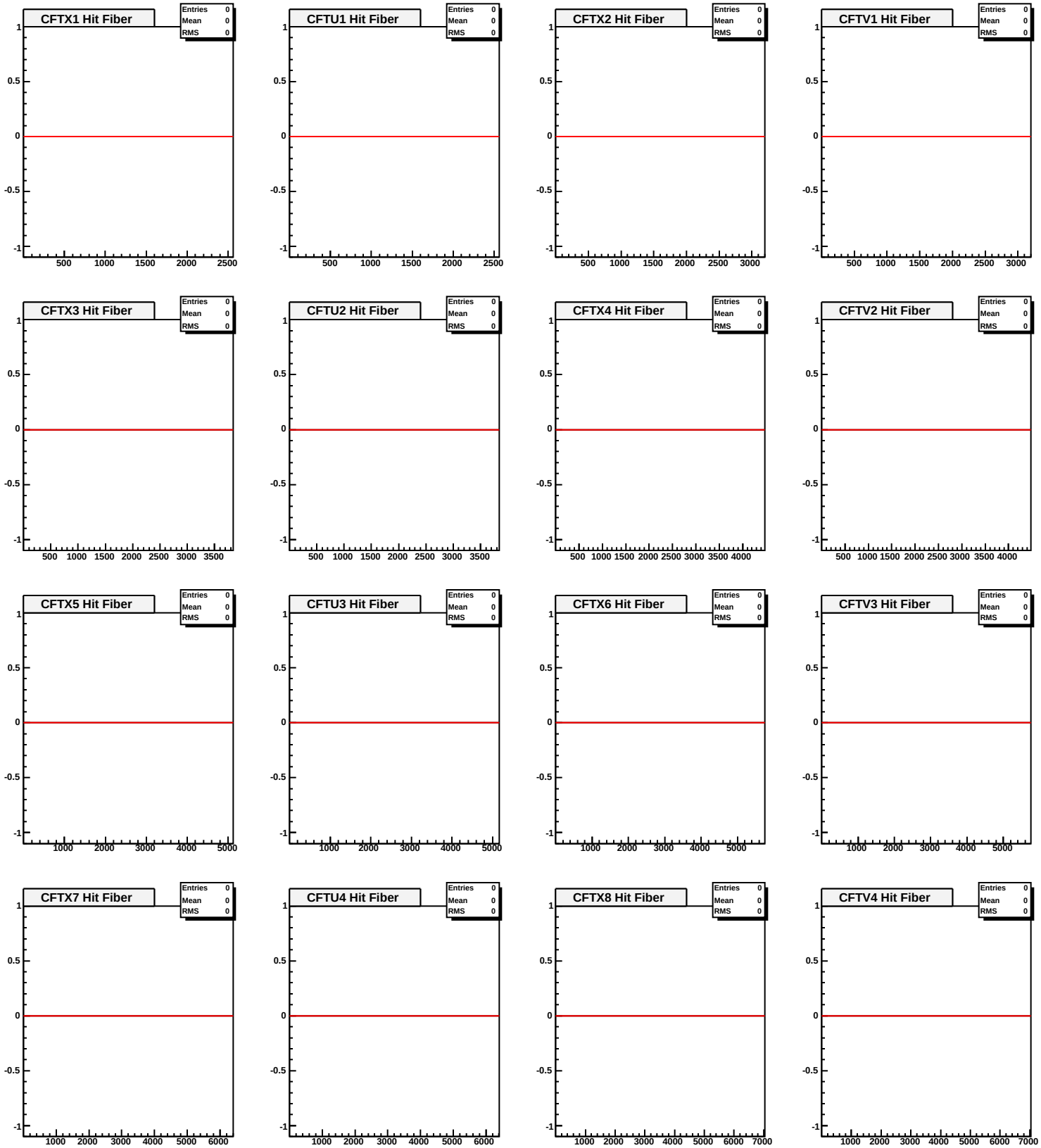
CFT NClusters (Clusters on tracks)



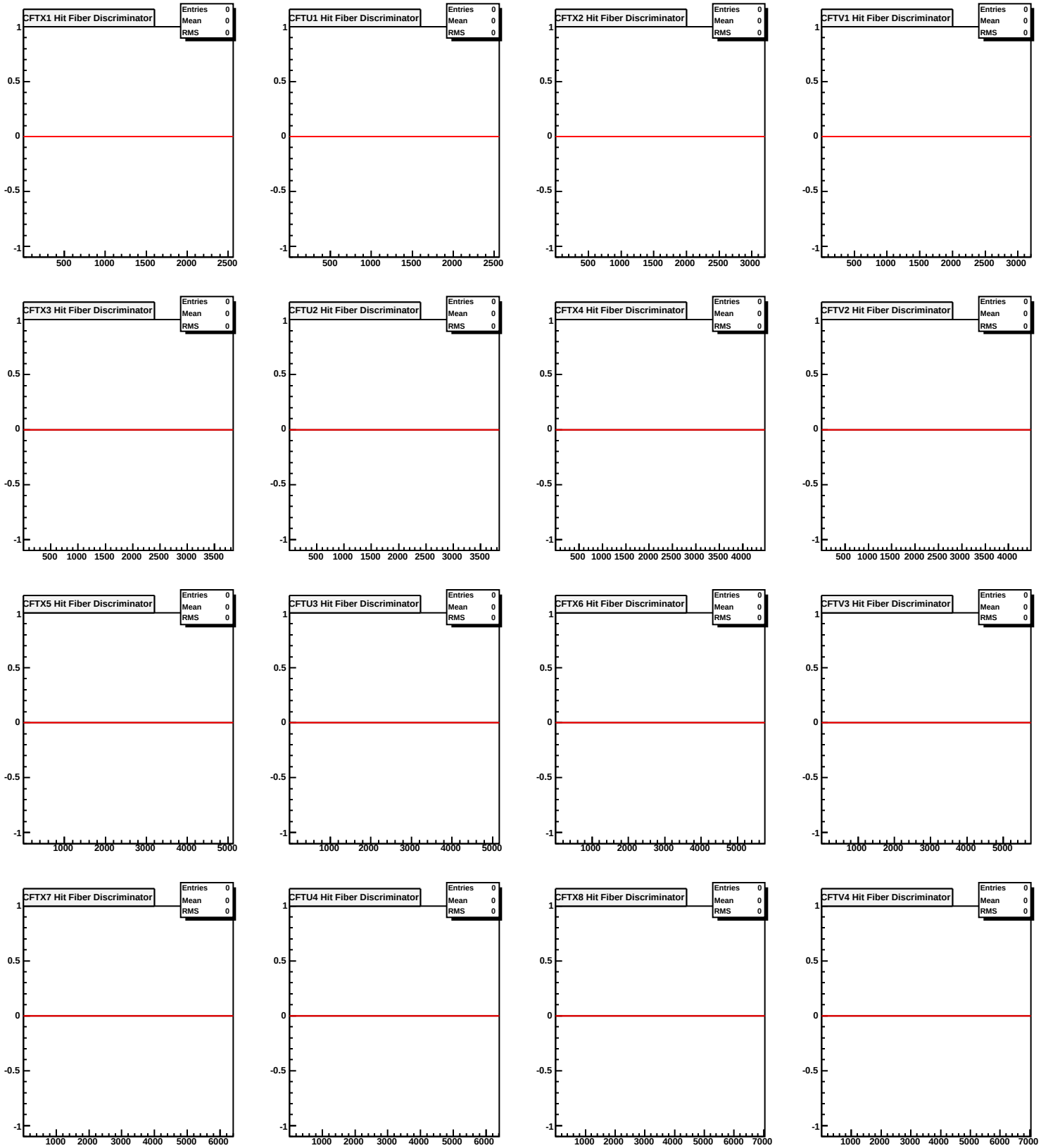
CFT Cluster Size (Clusters on tracks)



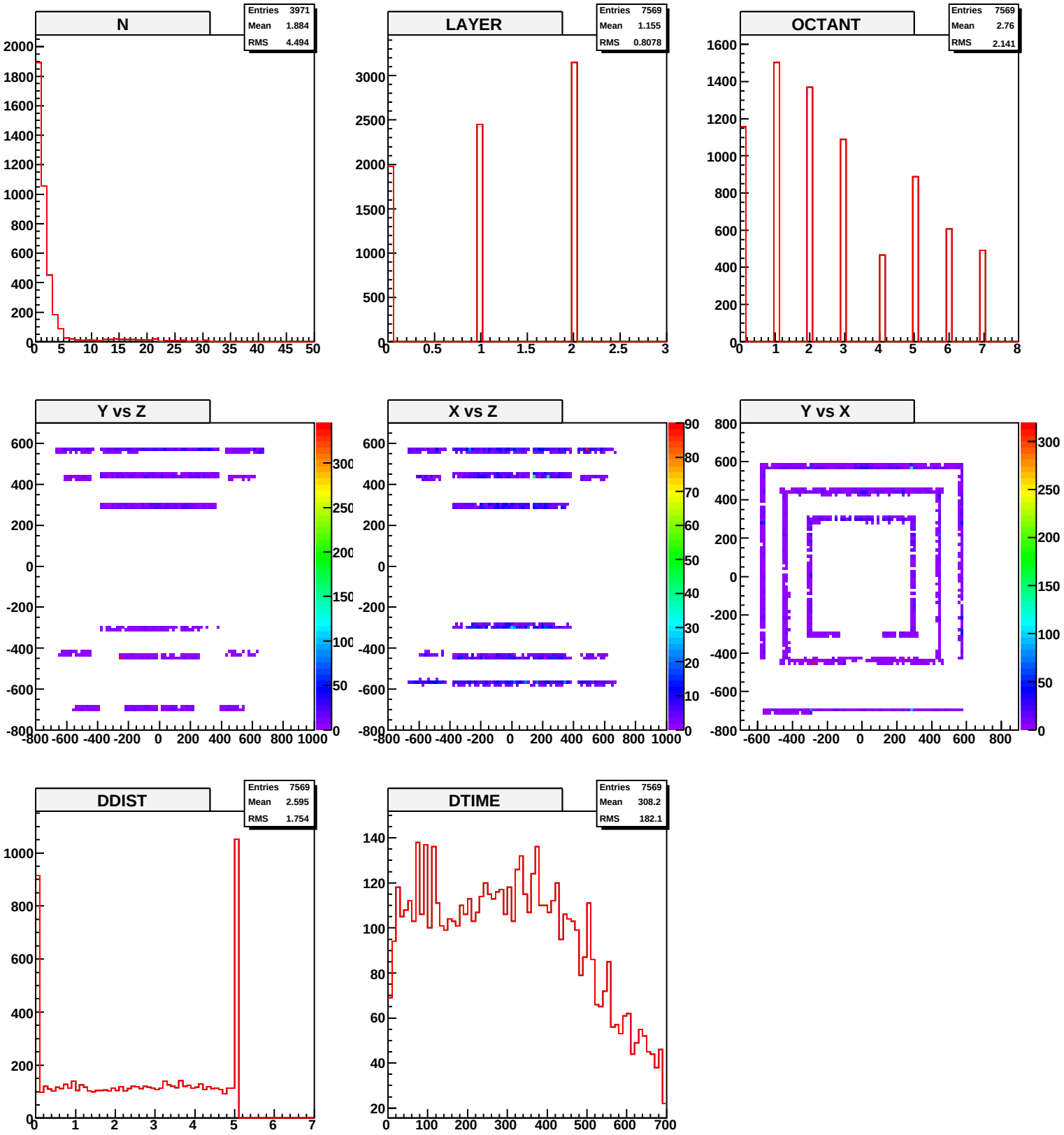
CFT PHI(Z=0) (Clusters on tracks)



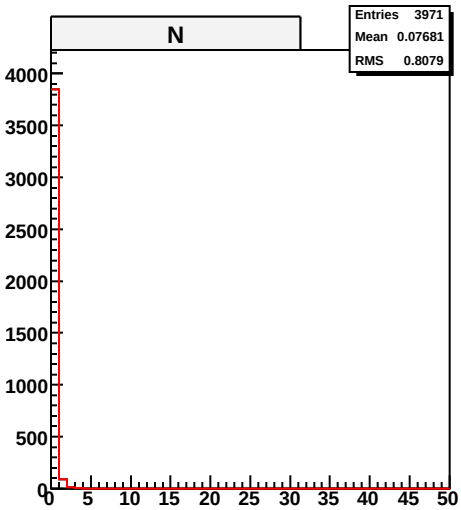
CFT Hit Fiber (Clusters on tracks)

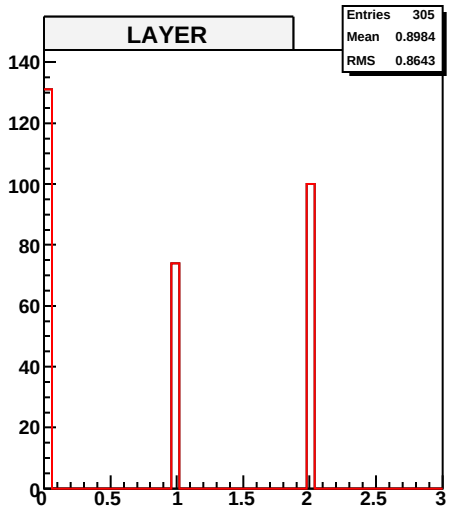


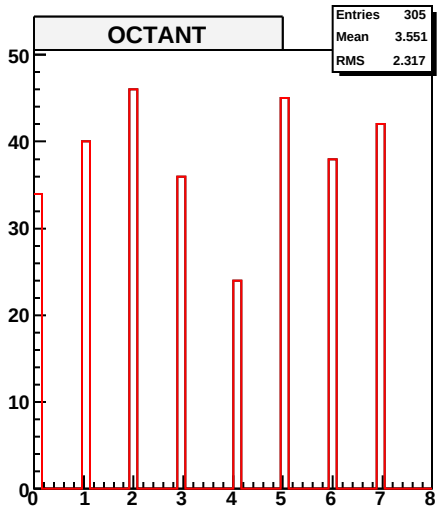
CFT Hit Fiber Discriminator (Clusters on tracks)

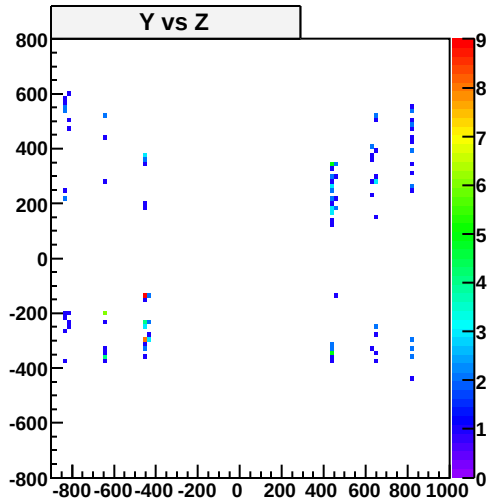

N
Entries 3971
Mean 1.884
RMS 4.494
LAYER
Entries 7569
Mean 1.155
RMS 0.8078
OCTANT
Entries 7569
Mean 2.76
RMS 2.141
Y vs Z
X vs Z
Y vs X
DDIST
Entries 7569
Mean 2.595
RMS 1.754
DTIME
Entries 7569
Mean 308.2
RMS 182.1

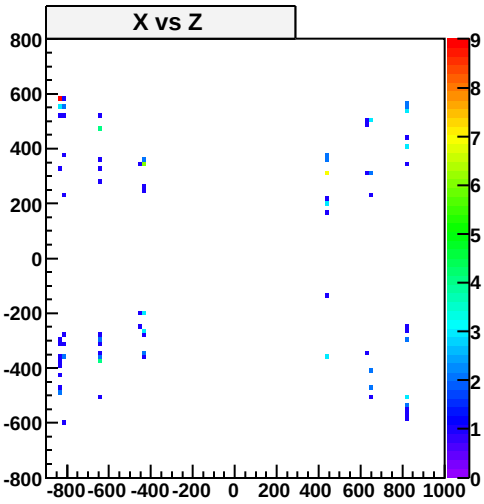
MuonPDT (All)

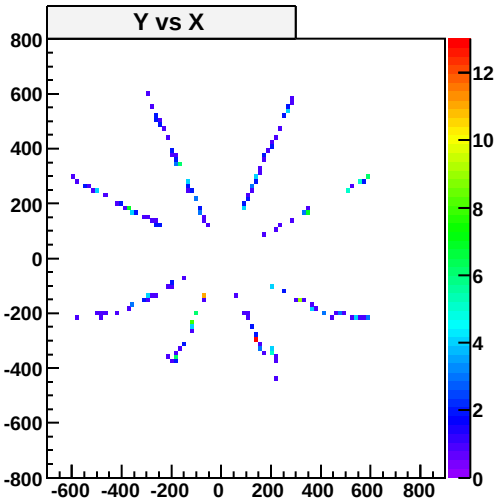

N
Entries 3971
Mean 0.07681
RMS 0.8079

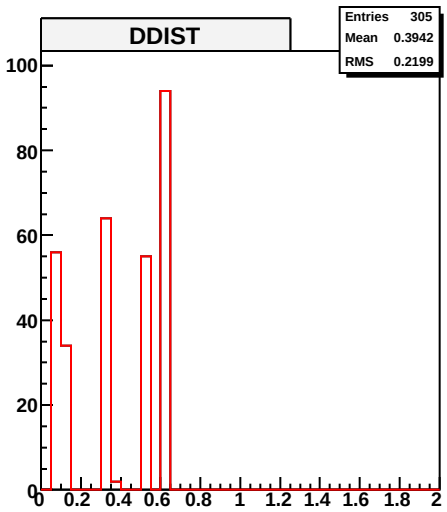

LAYER
Entries 305
Mean 0.8984
RMS 0.8643

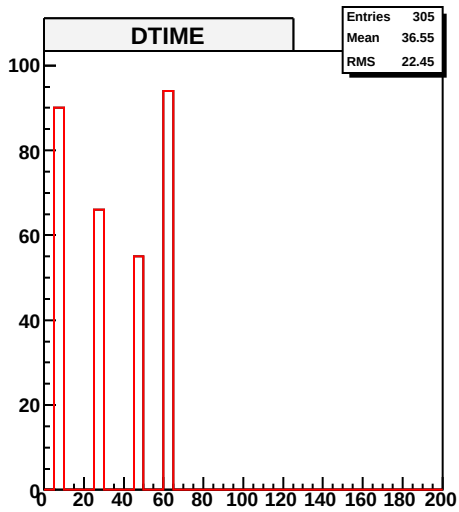

OCTANT
Entries 305
Mean 3.551
RMS 2.317


Y vs Z

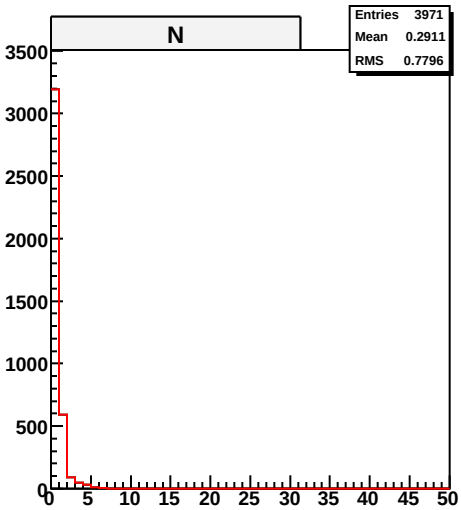

X vs Z

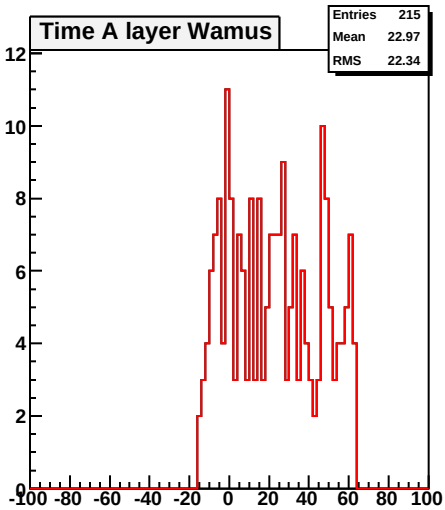

Y vs X

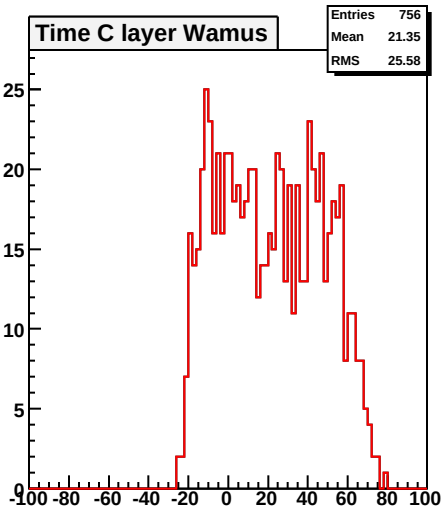

DDIST
Entries 305
Mean 0.3942
RMS 0.2199

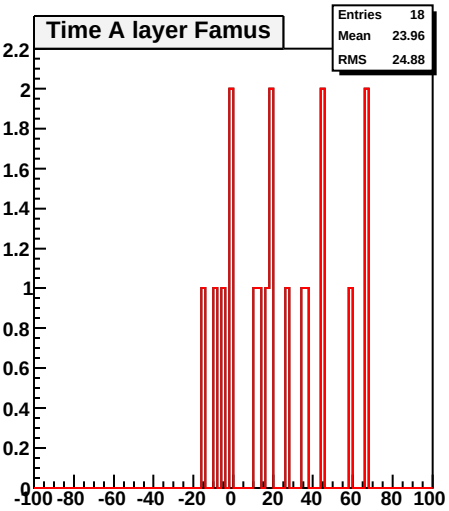

DTIME
Entries 305
Mean 36.55
RMS 22.45

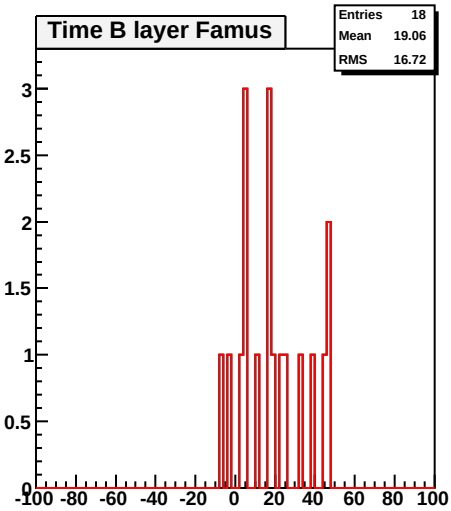
MuonMDT (All)

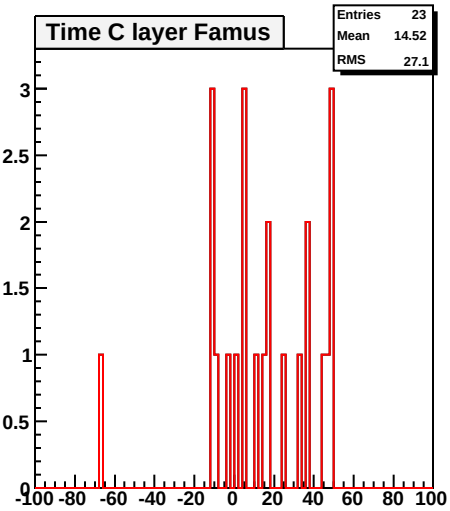

N
Entries 3971
Mean 0.2911
RMS 0.7796

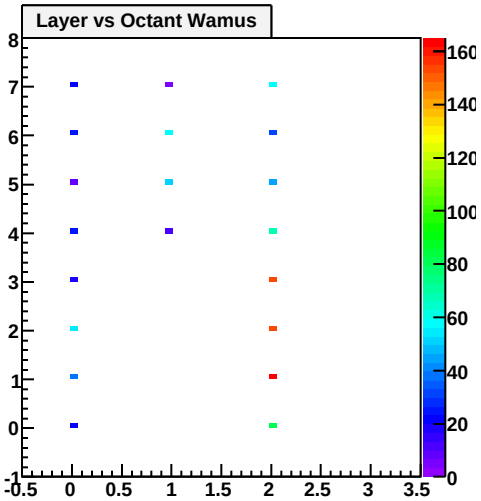

Time A layer Wamus
Entries 215
Mean 22.97
RMS 22.34

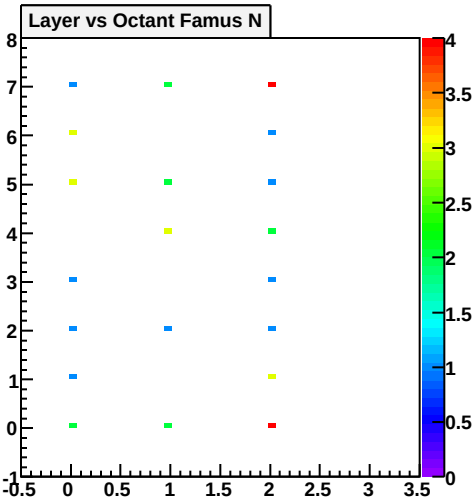

Time C layer Wamus
Entries 756
Mean 21.35
RMS 25.58

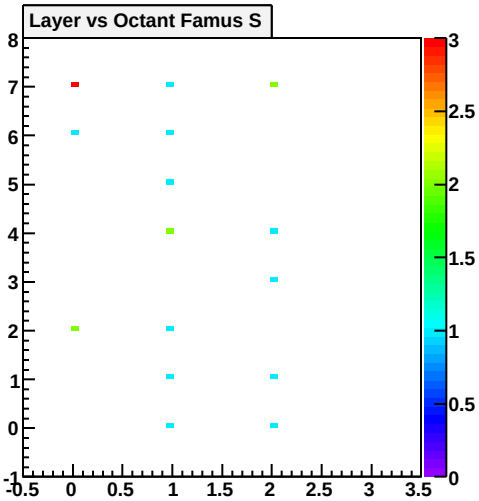

Time A layer Famus
Entries 18
Mean 23.96
RMS 24.88


Time B layer Famus
Entries 18
Mean 19.06
RMS 16.72

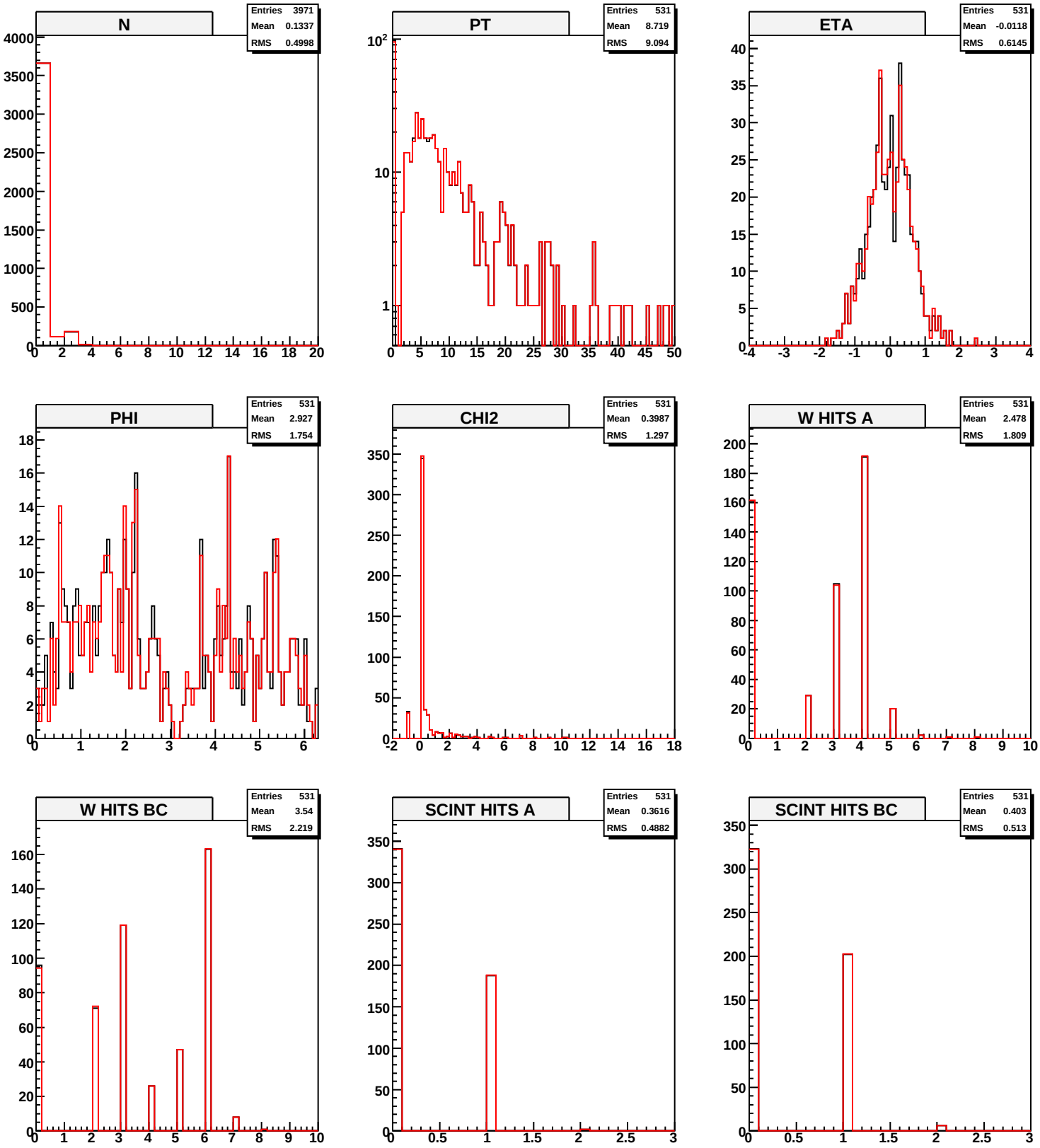

Time C layer Famus
Entries 23
Mean 14.52
RMS 27.1


Layer vs Octant Wamus

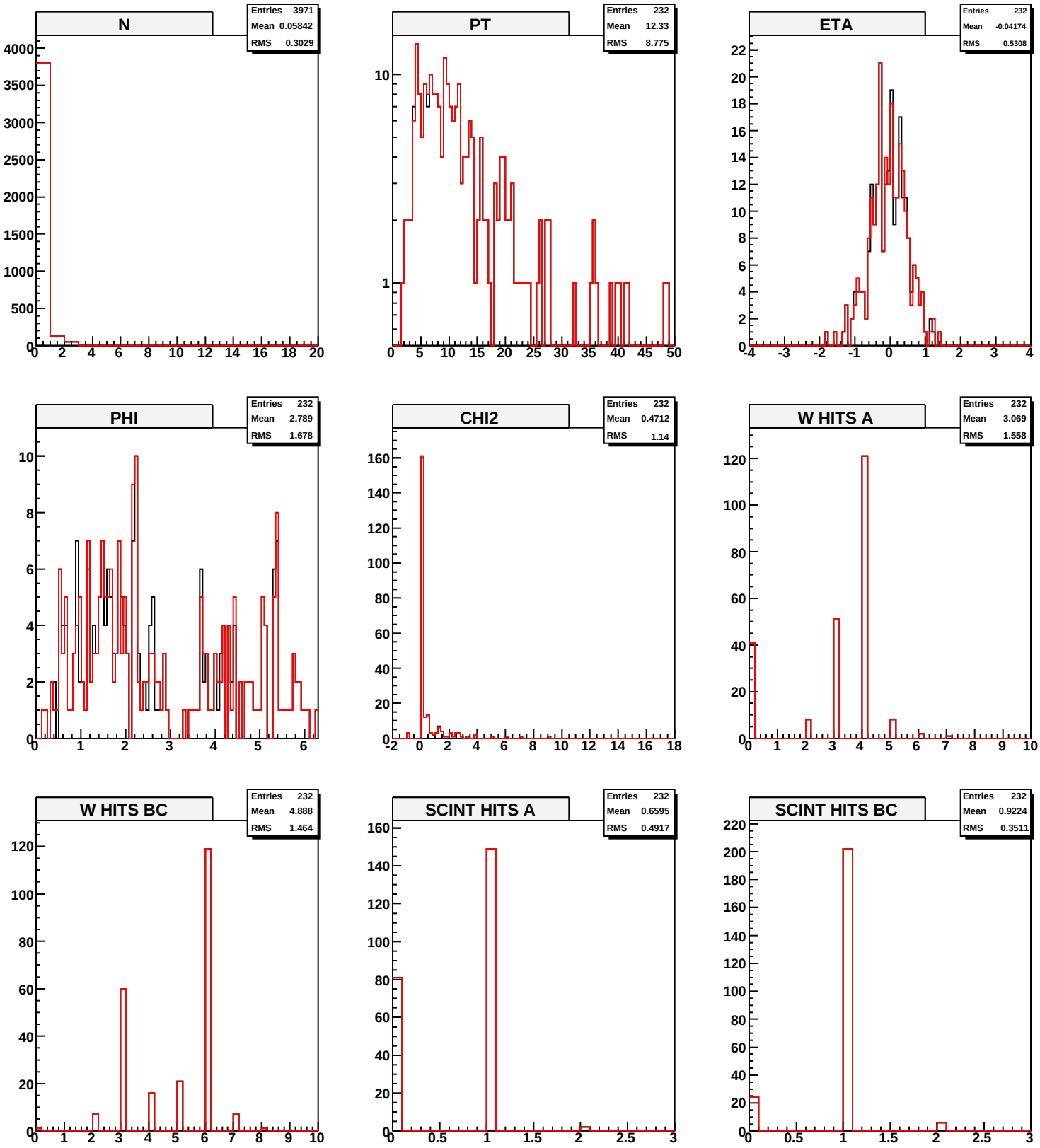

Layer vs Octant Famus N


Layer vs Octant Famus S

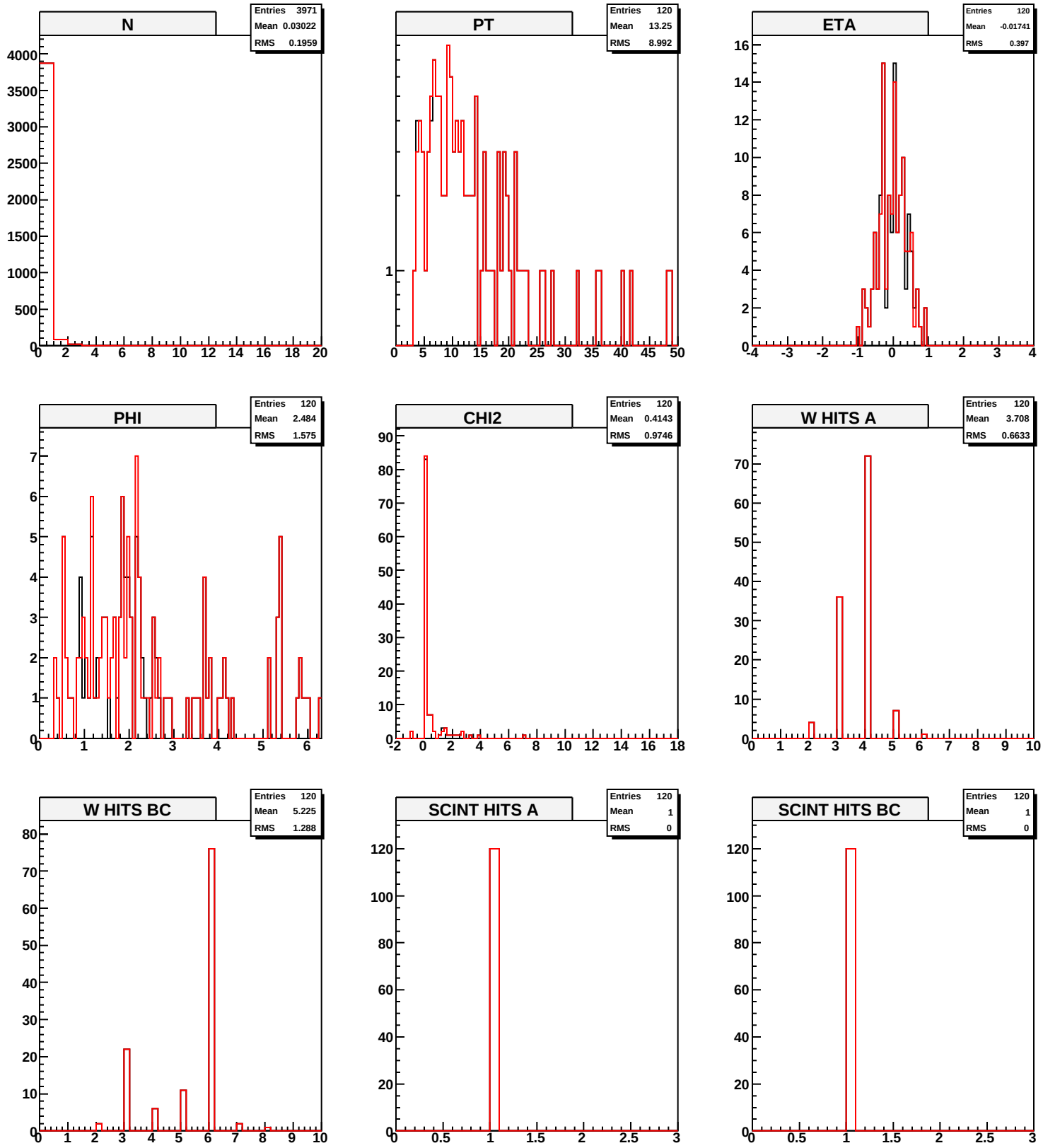
MuonMSC (All)



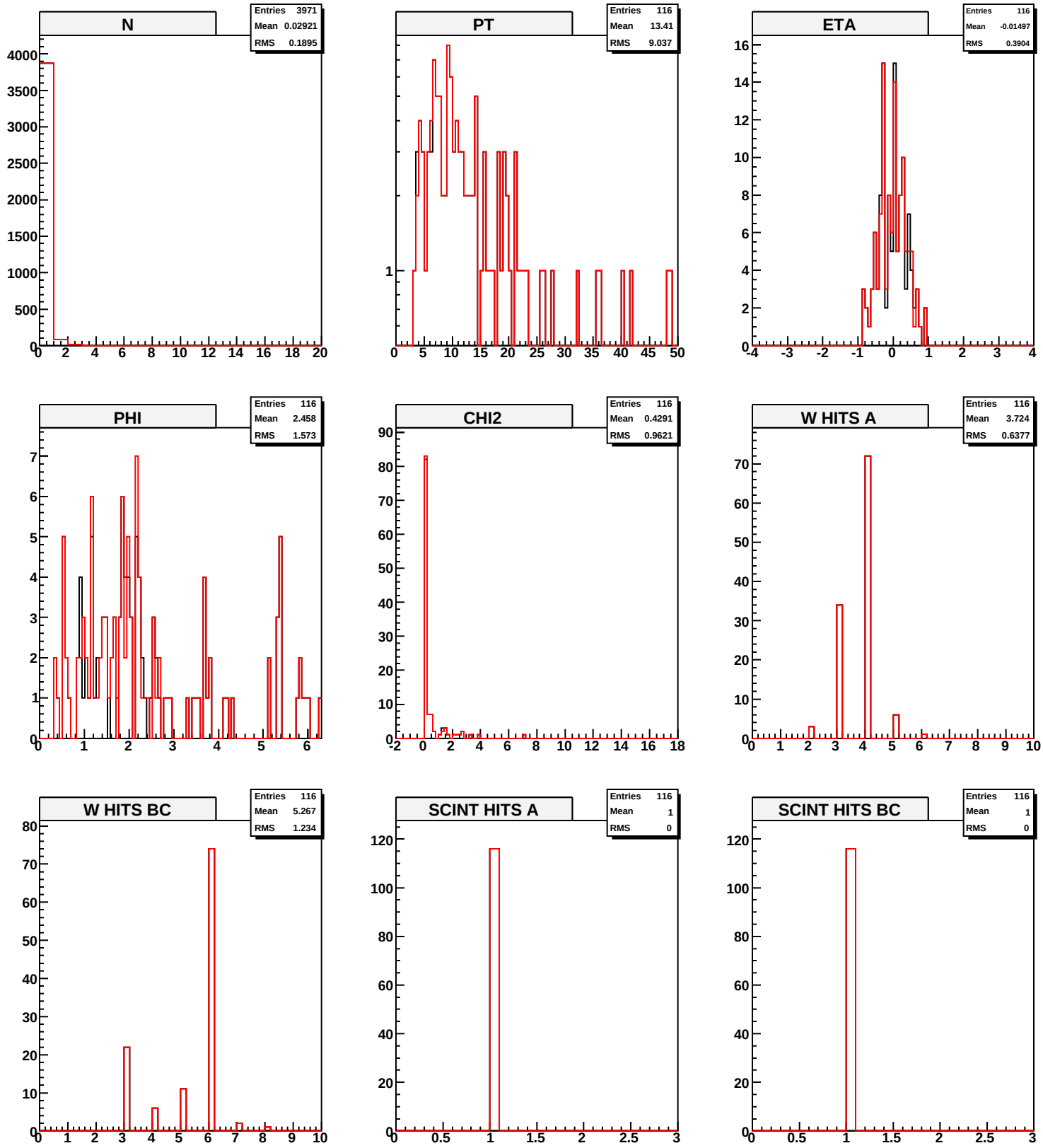
Muon Local Tracks (All)



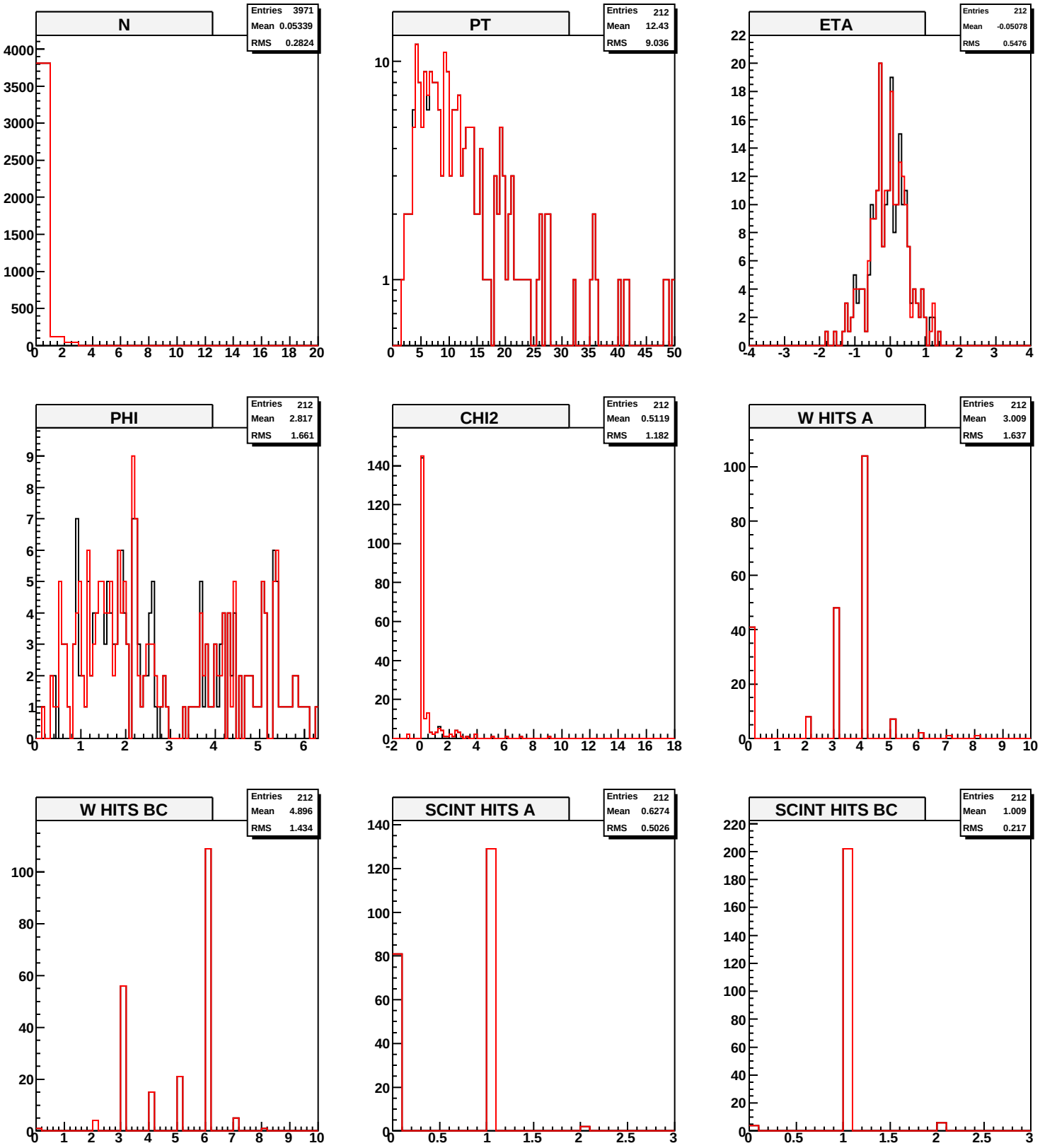
Muon Local Tracks (LooseWamus)



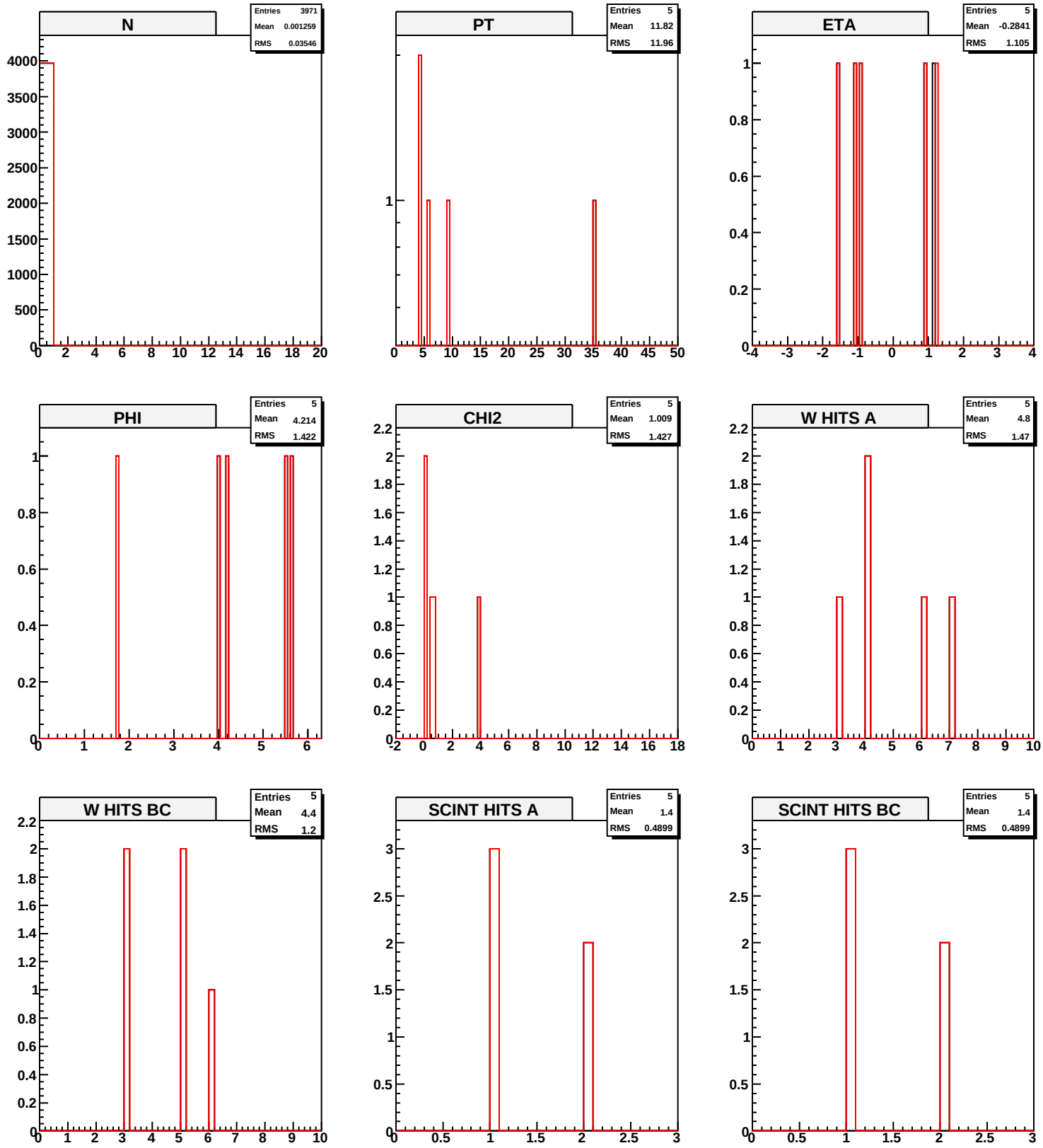
Muon Local Tracks (MediumWamus)



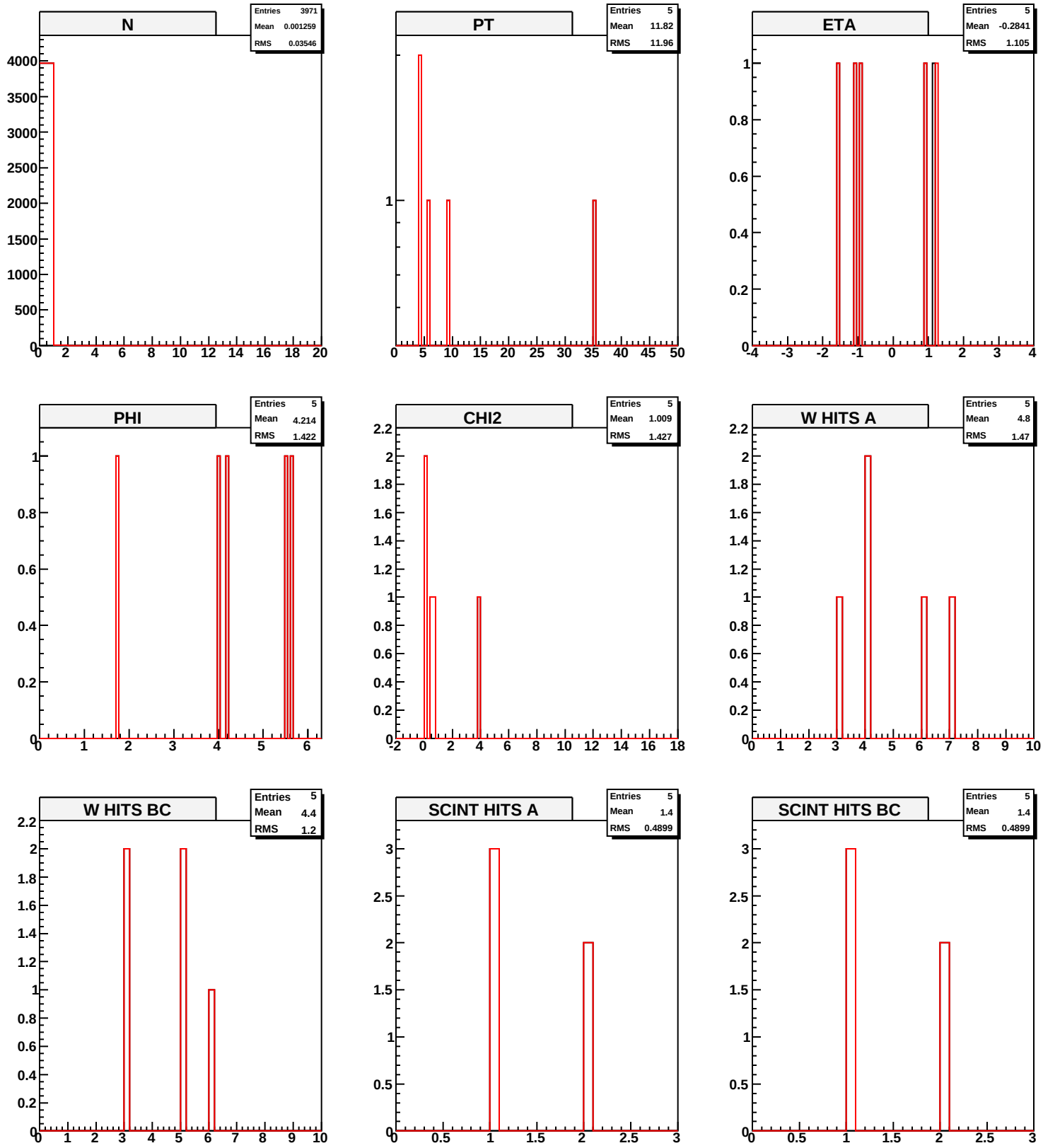
Muon Local Tracks (TightWamus)



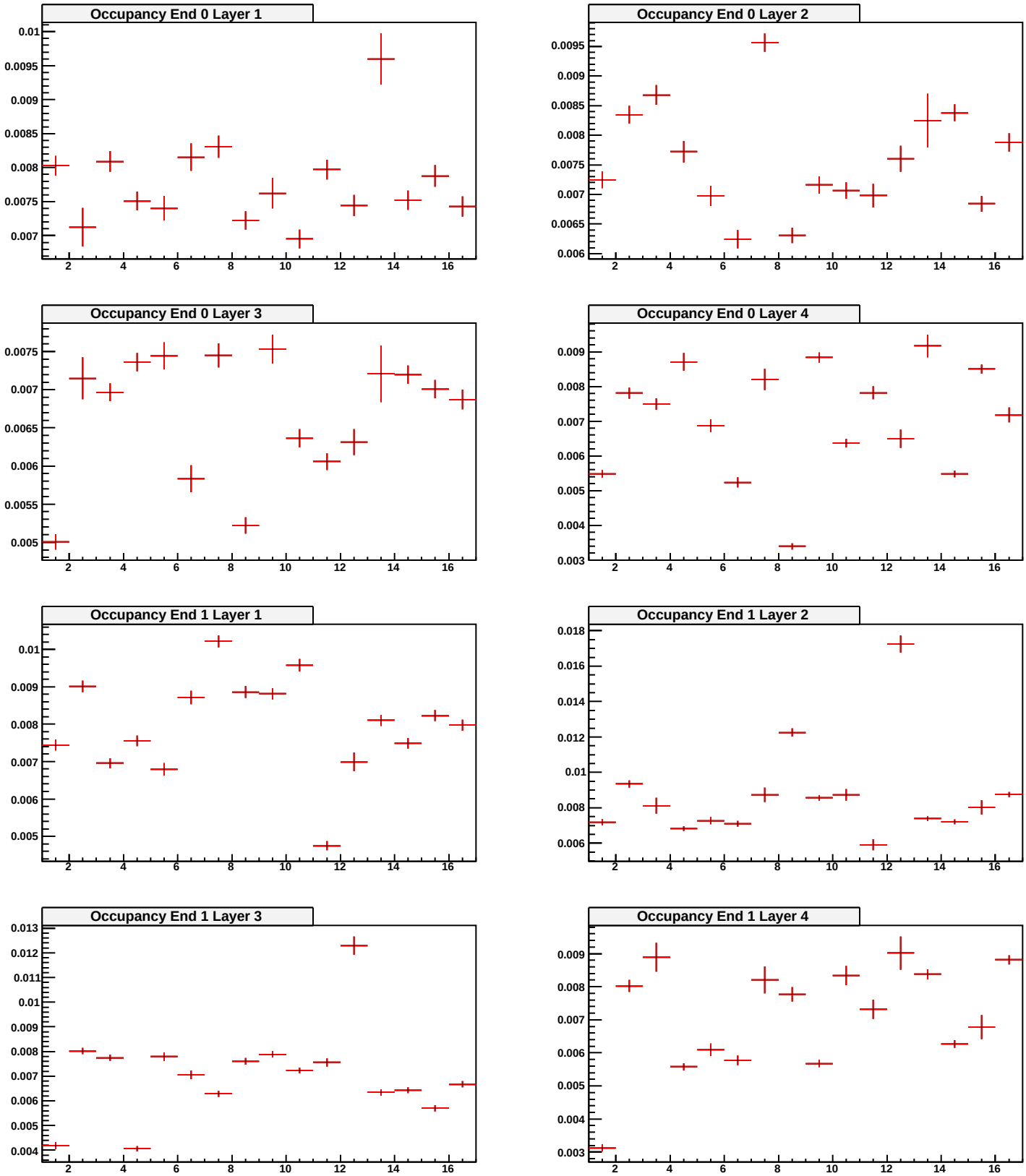
Muon Local Tracks (LooseFamus)



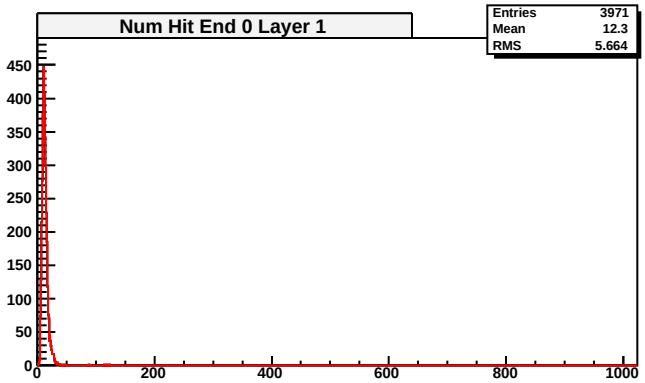
Muon Local Tracks (MediumFamus)

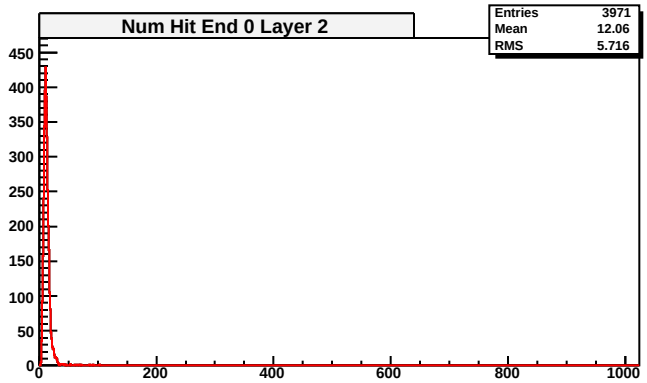


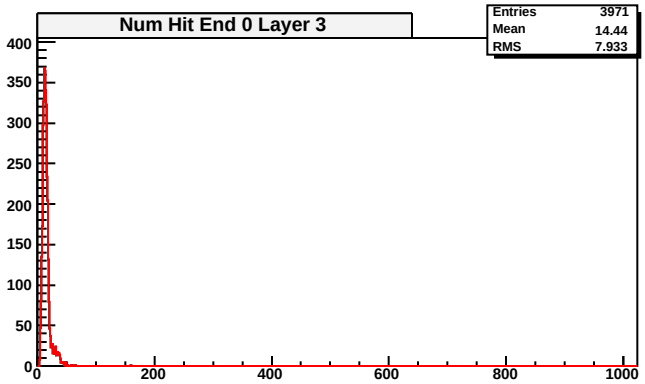
Muon Local Tracks (TightFamus)

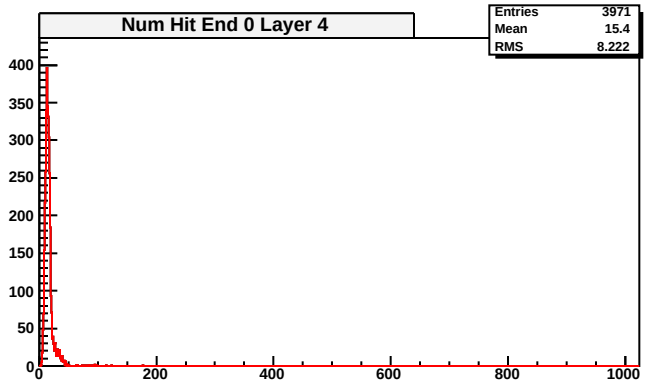


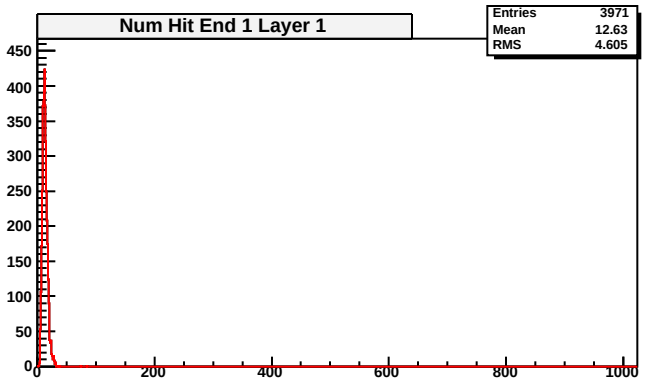
FPS Hit Occupancy (All)

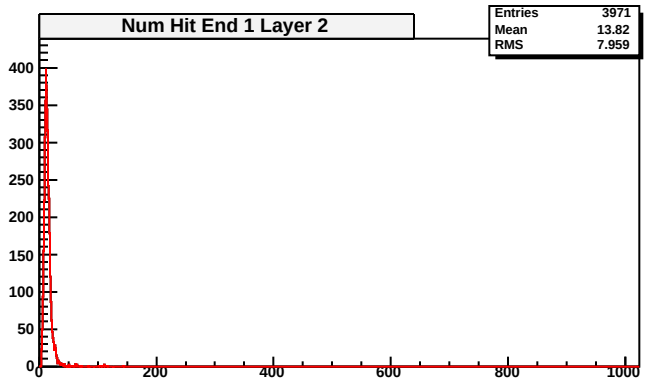


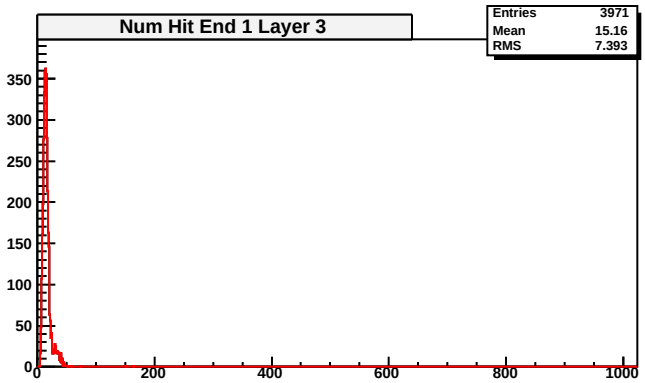


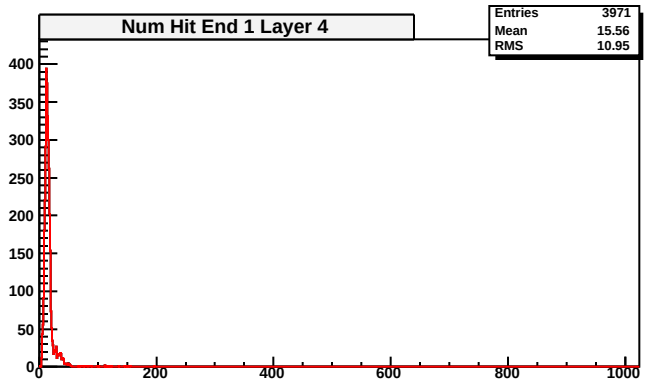




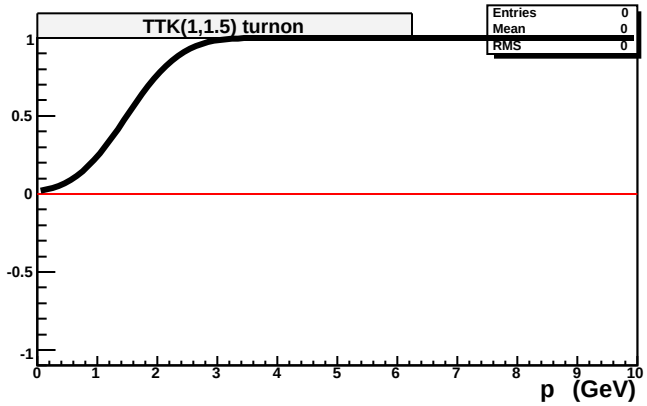


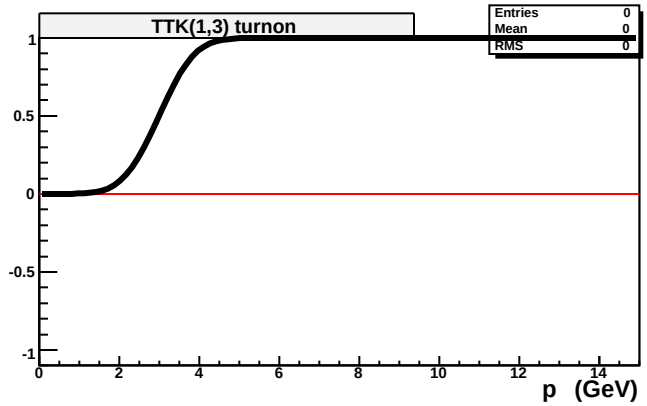


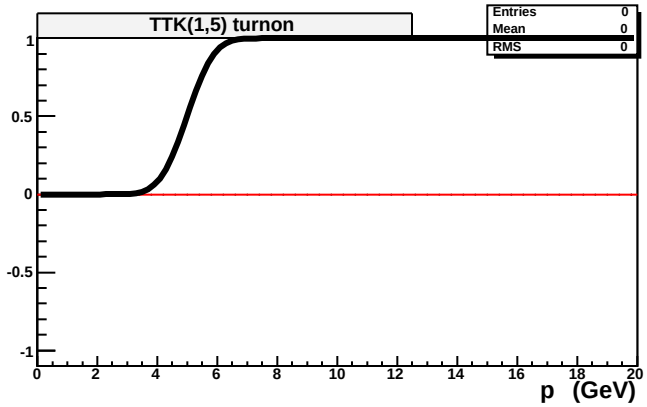


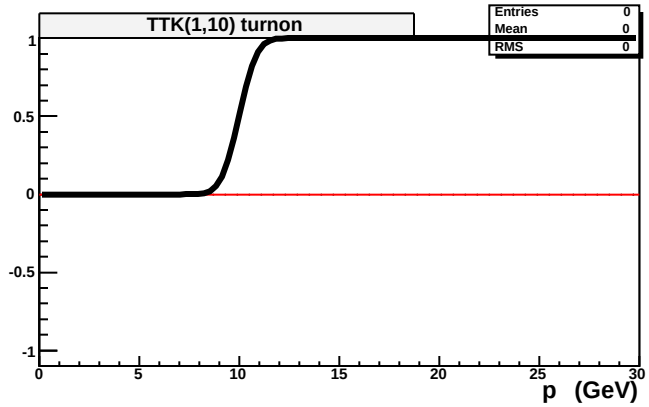


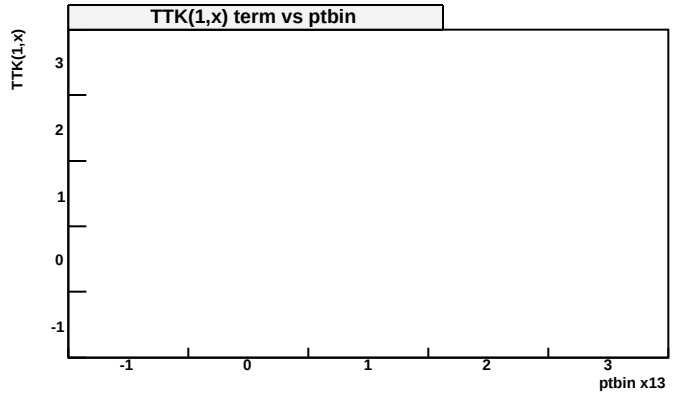
FPS Number of Hits (All)

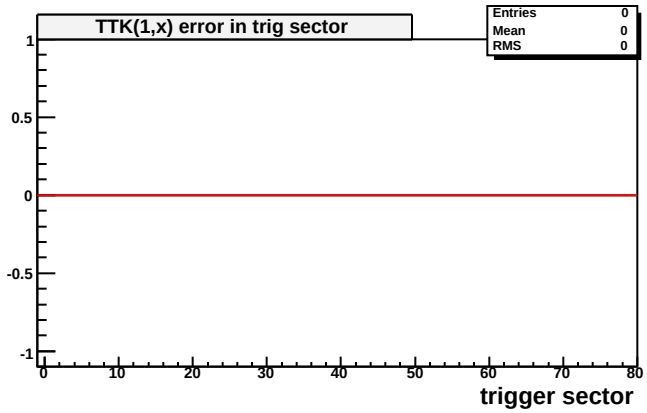


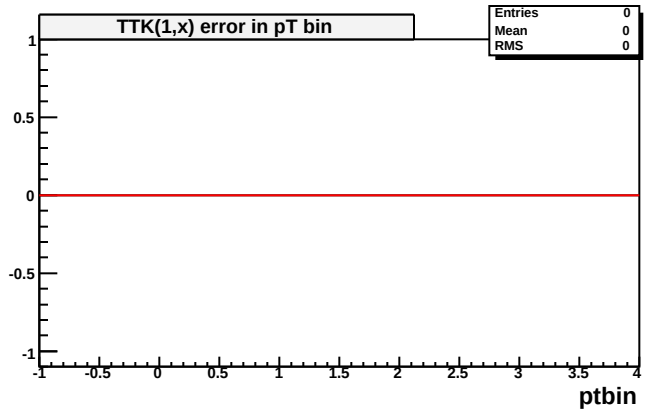












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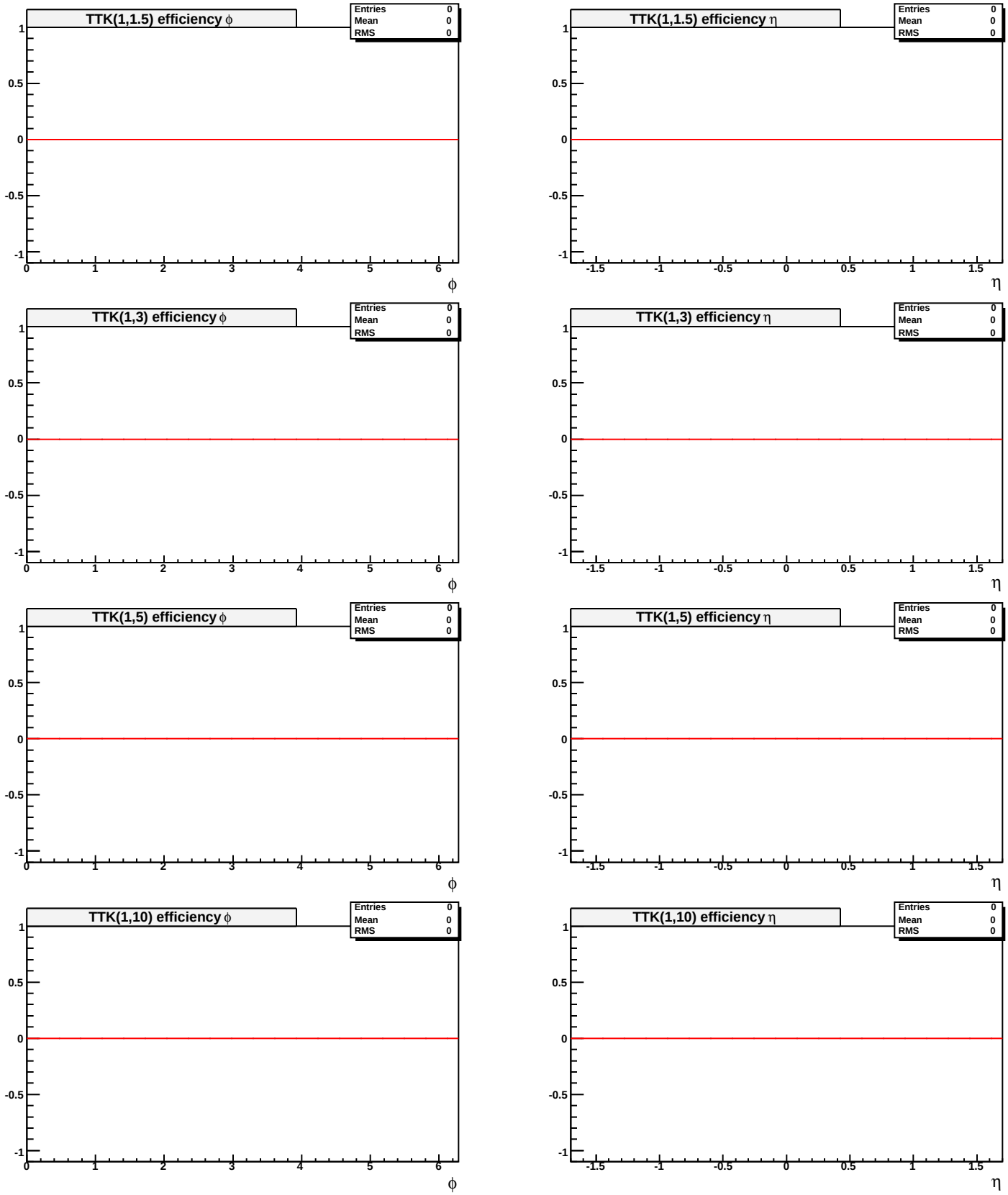

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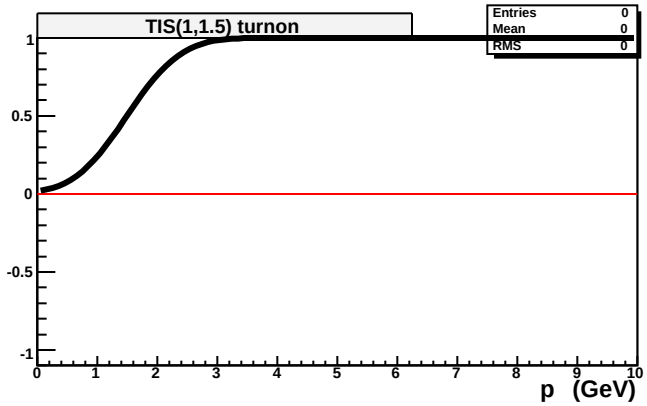

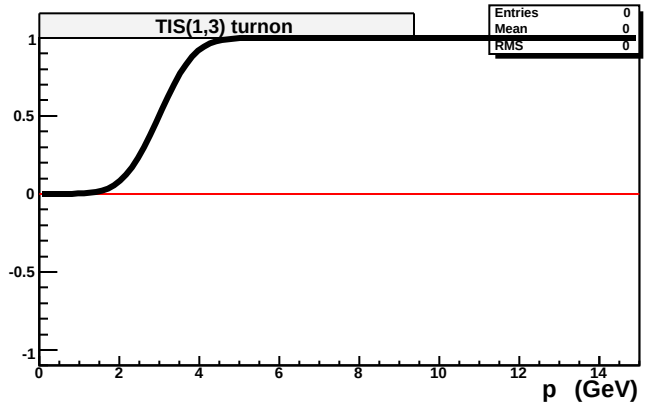

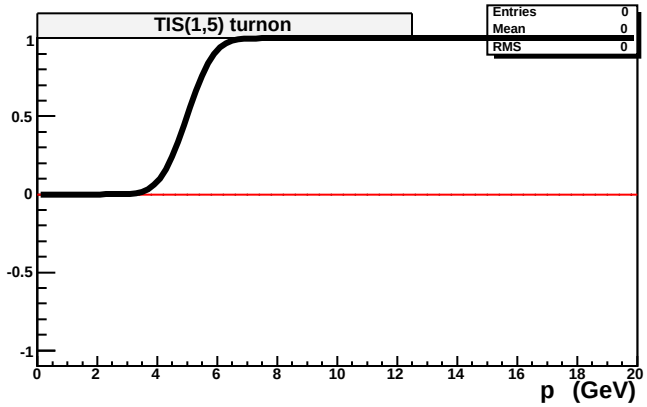

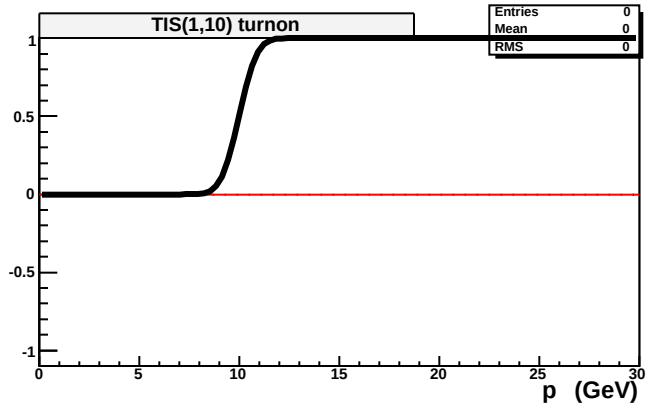

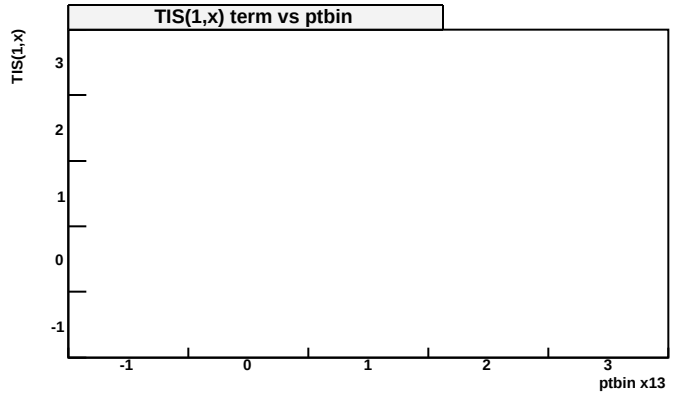

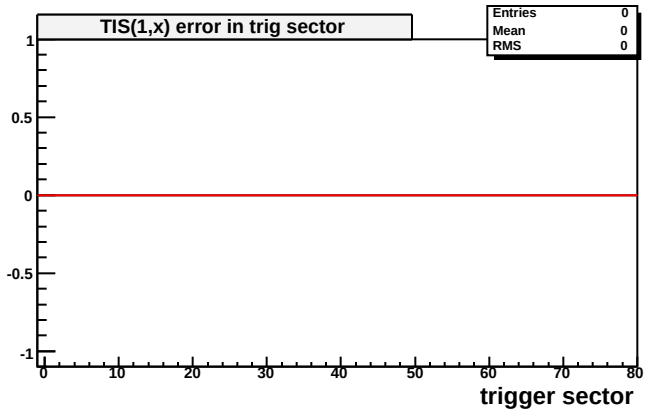

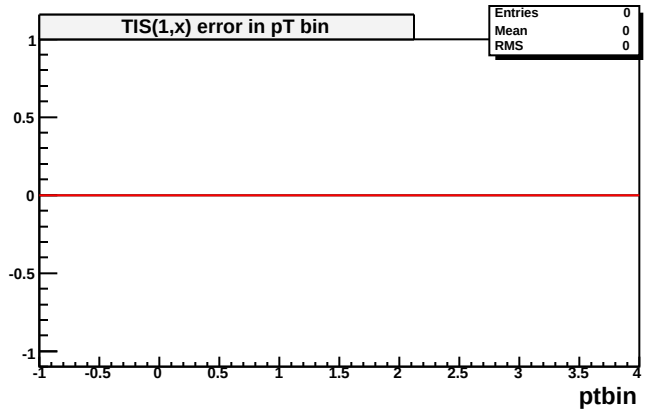

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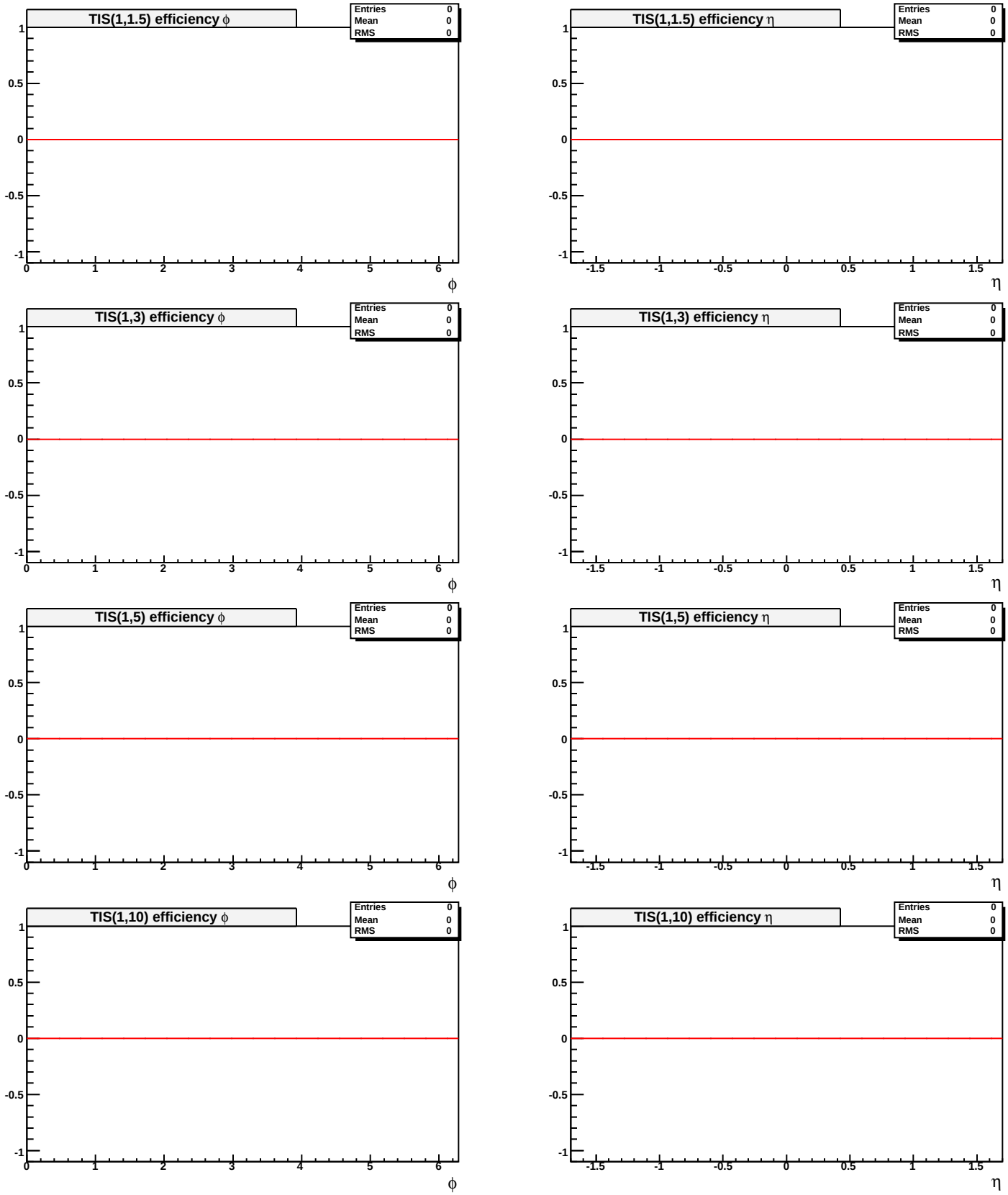

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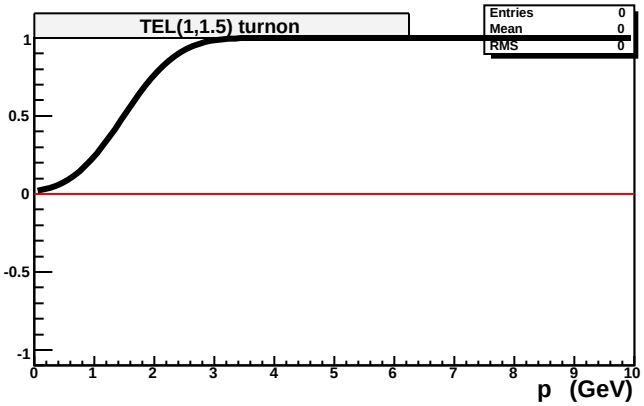

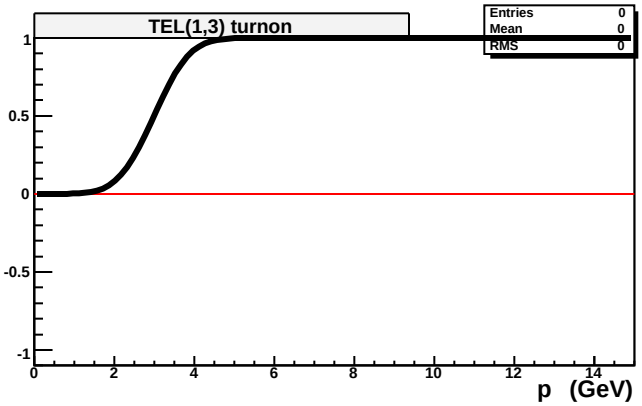

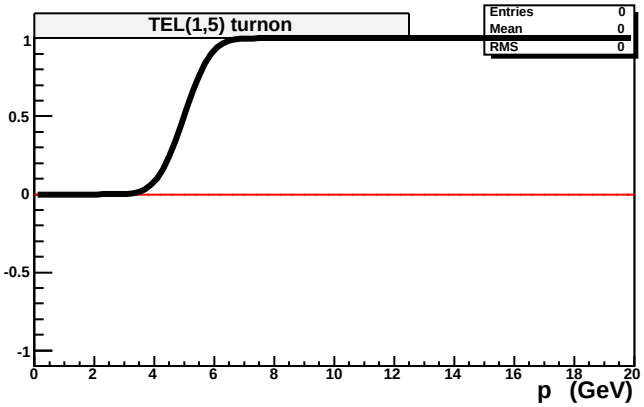

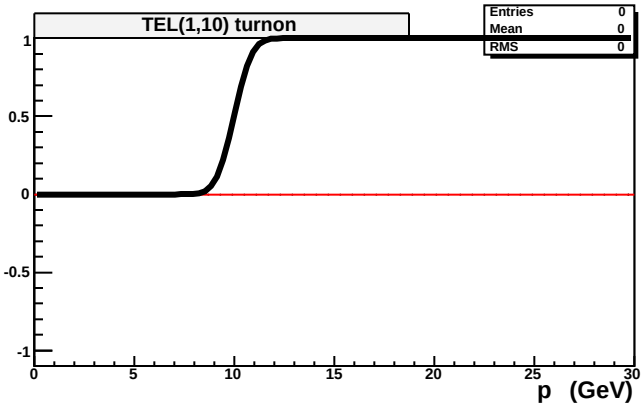

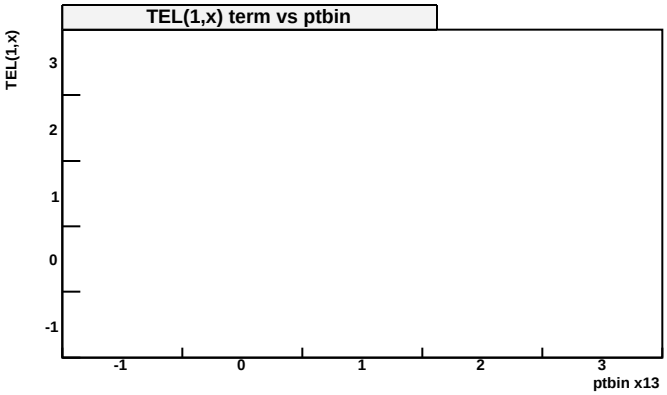

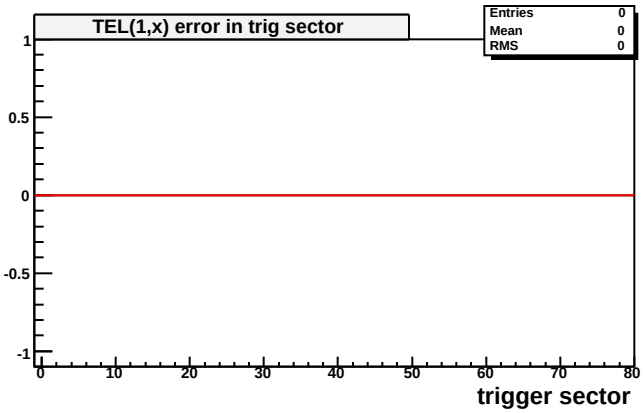

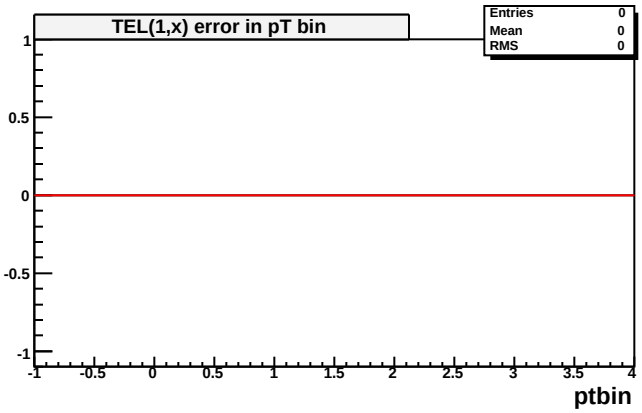

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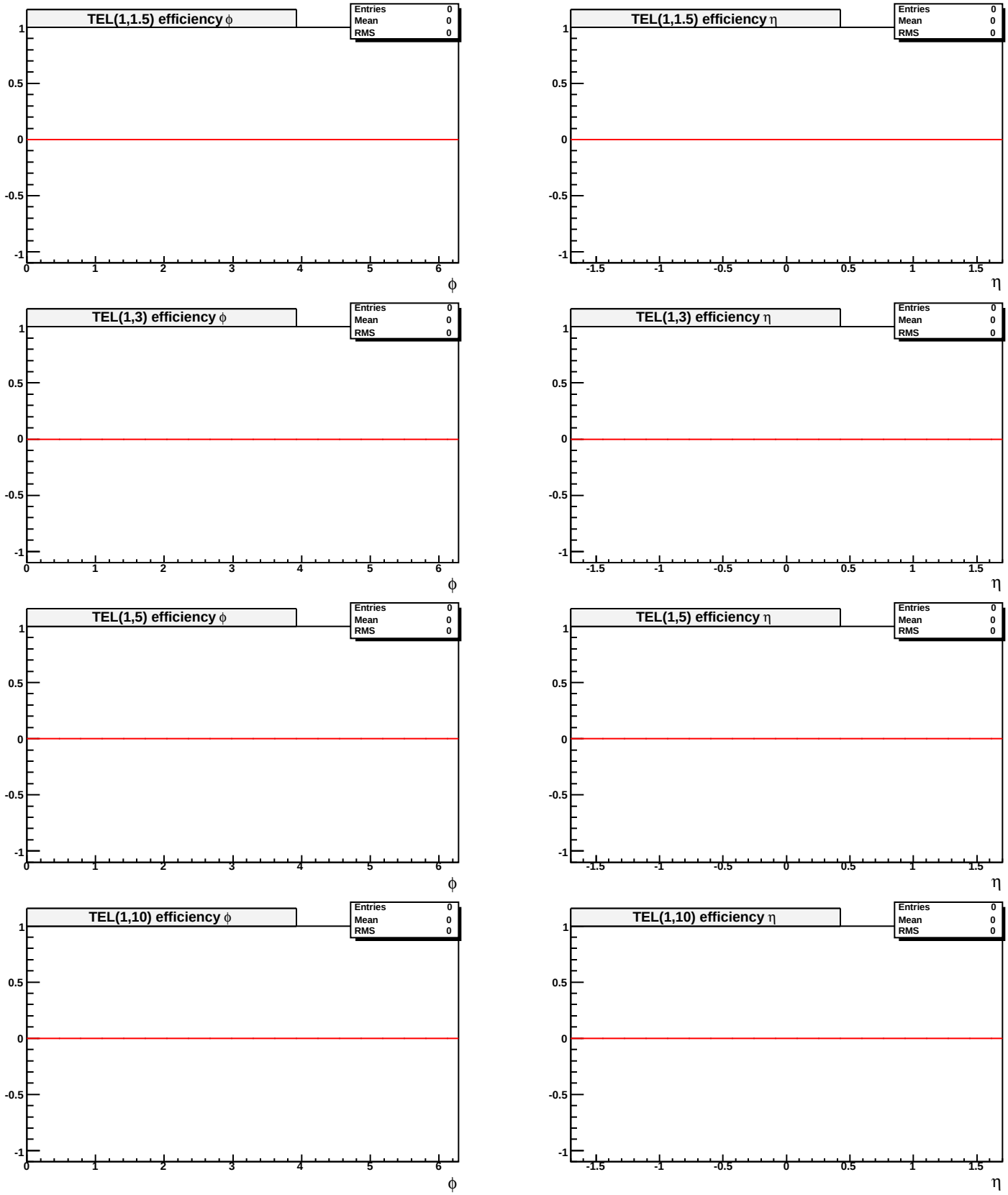

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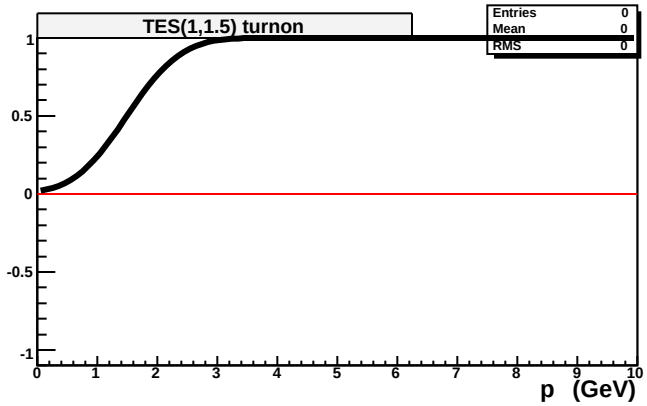

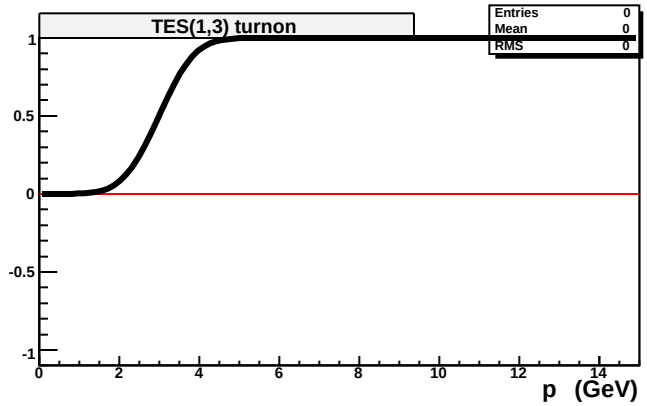

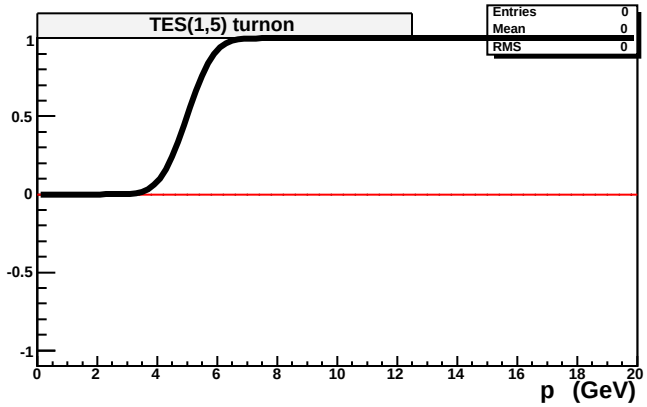

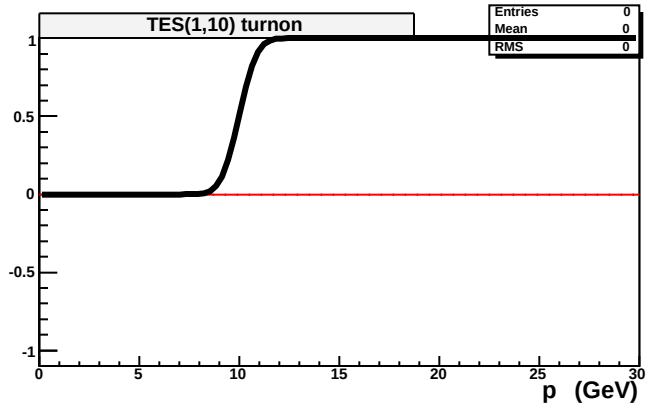

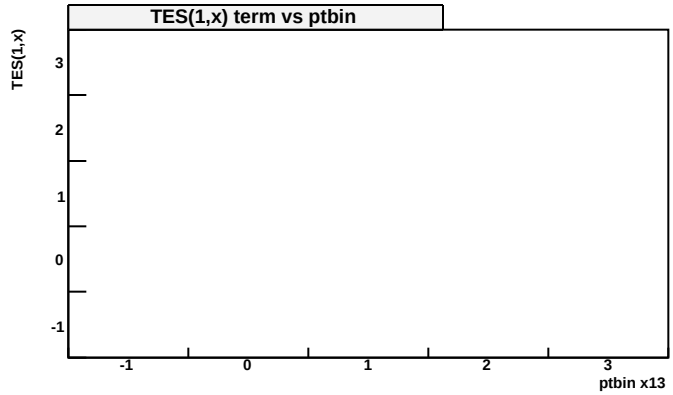

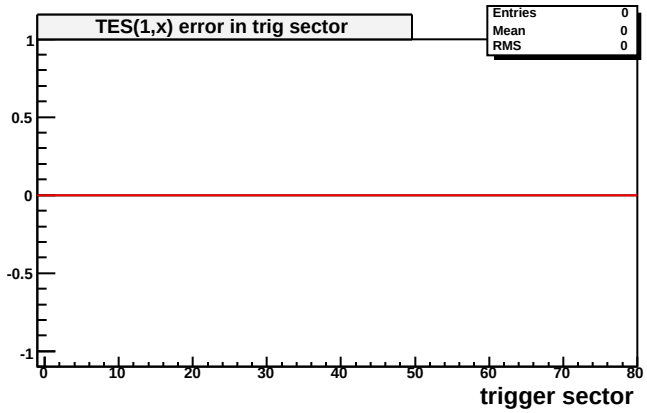

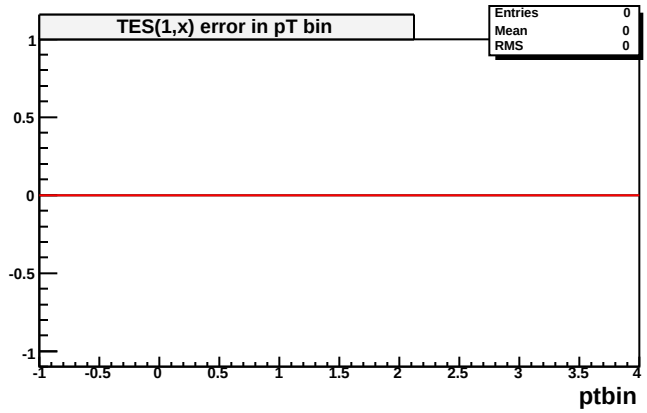

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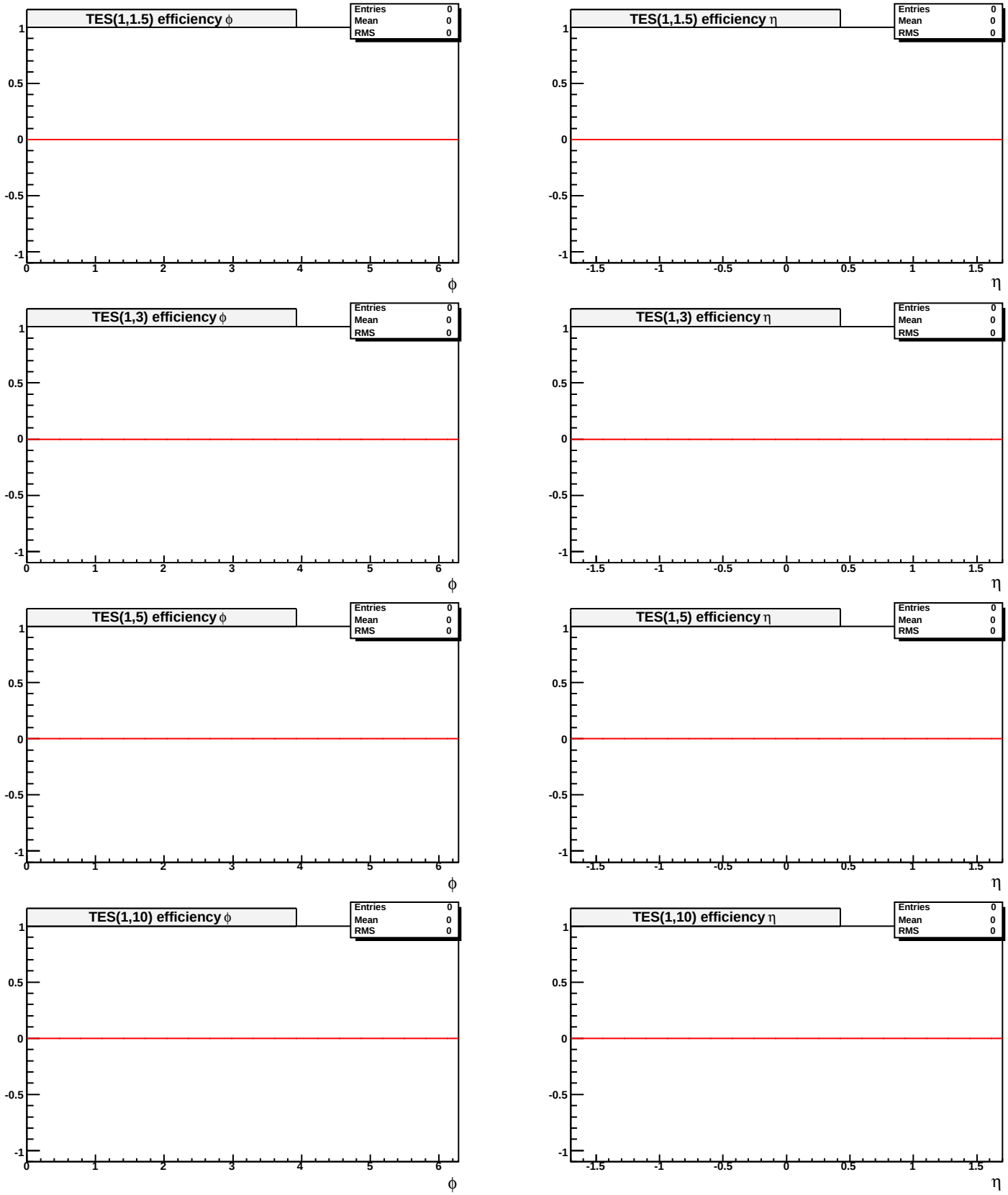
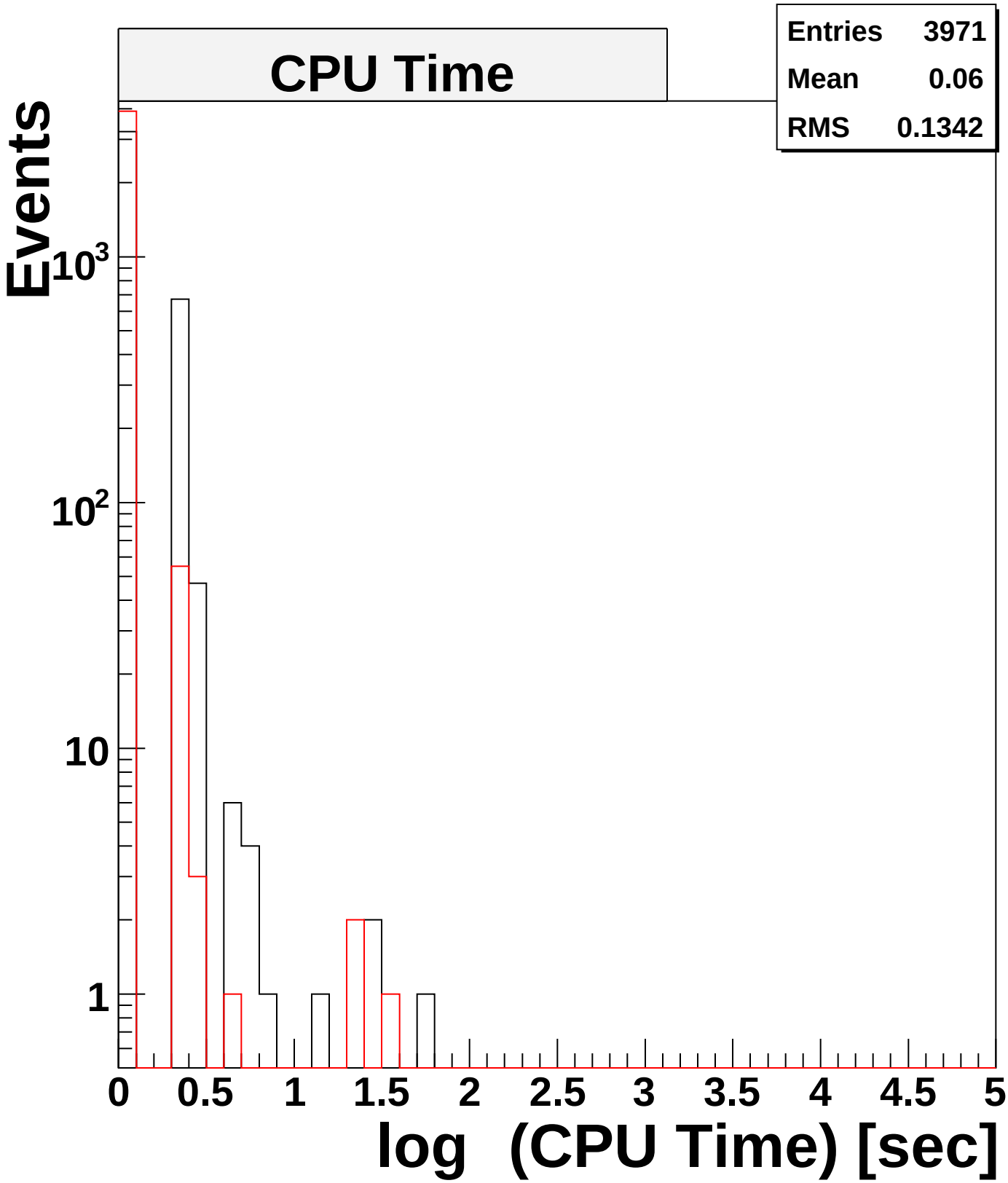


TES phi/eta (L1CTT All)



RECO Performance (Timing)