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p201101b2_cosmic_r236960.root

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Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracks Hits (Tight)
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Page 22: Taus NNL3 (ALL)
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Page 25: Jets (Cone R 0.7 standard cuts)
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Page 31: Detector Occupancy (Detector vs Detector)
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Page 33: Calorimeter (All CC cells)
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Page 81: L1CTT TEL Trigger Turn-on (All)
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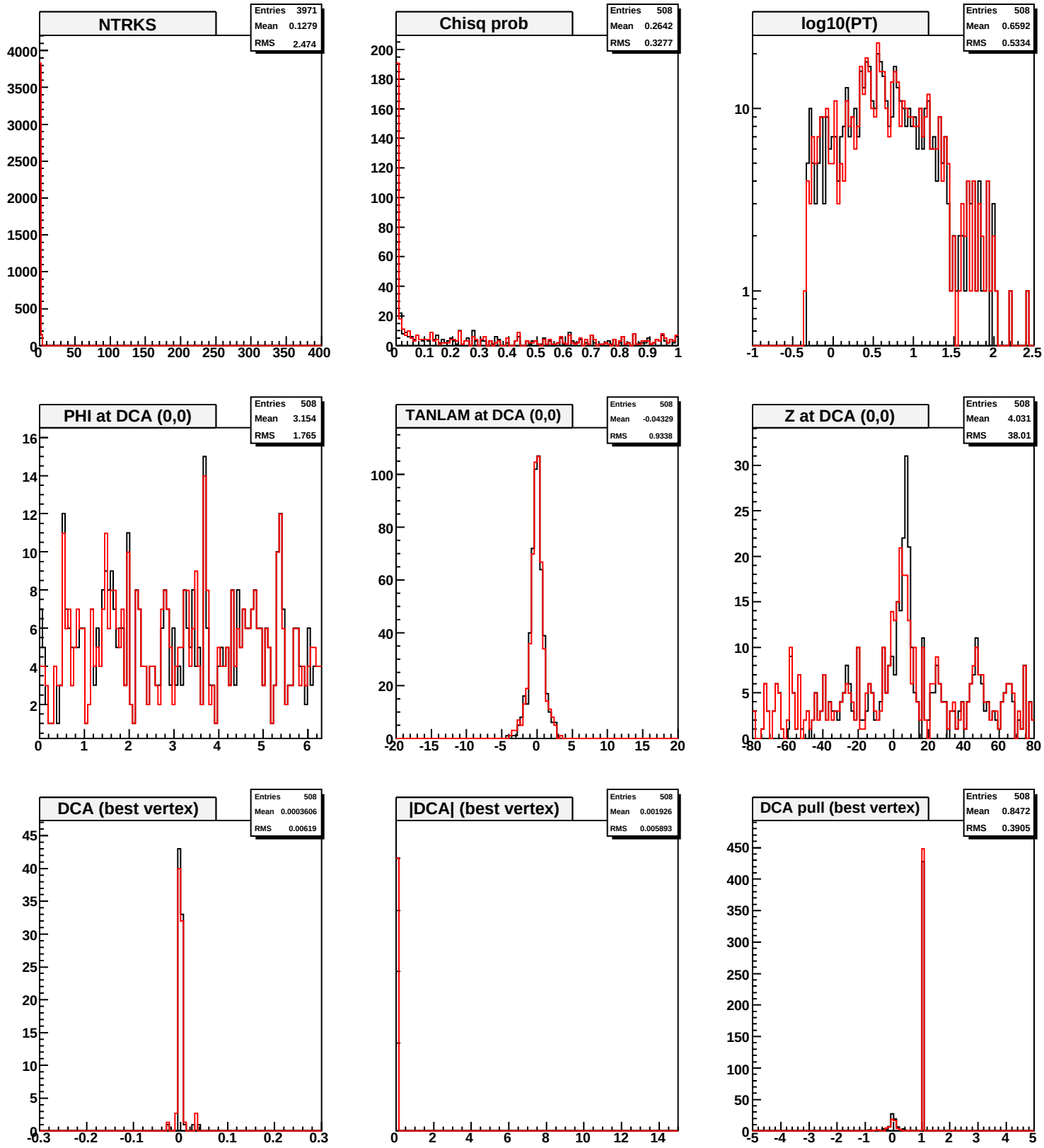
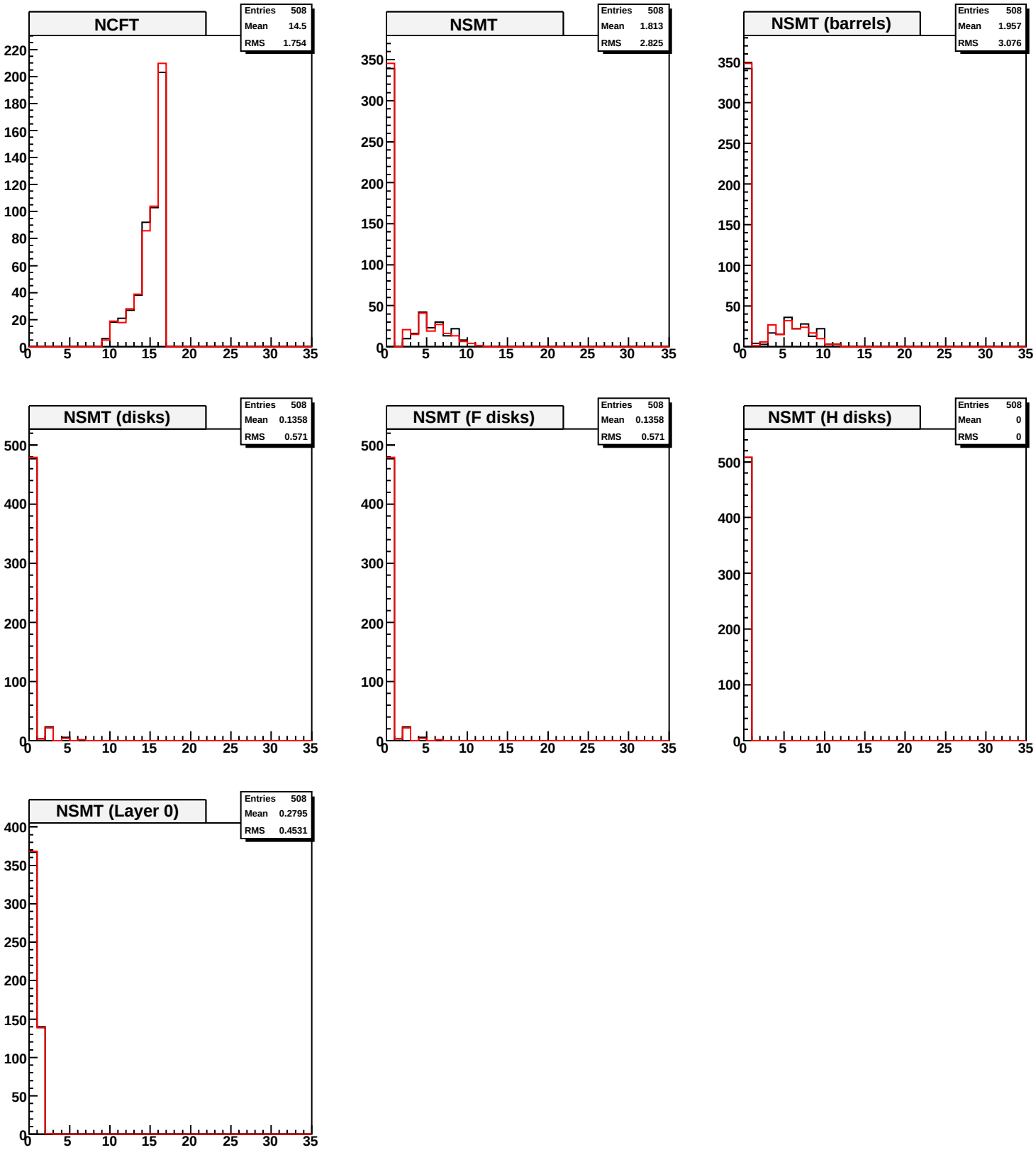
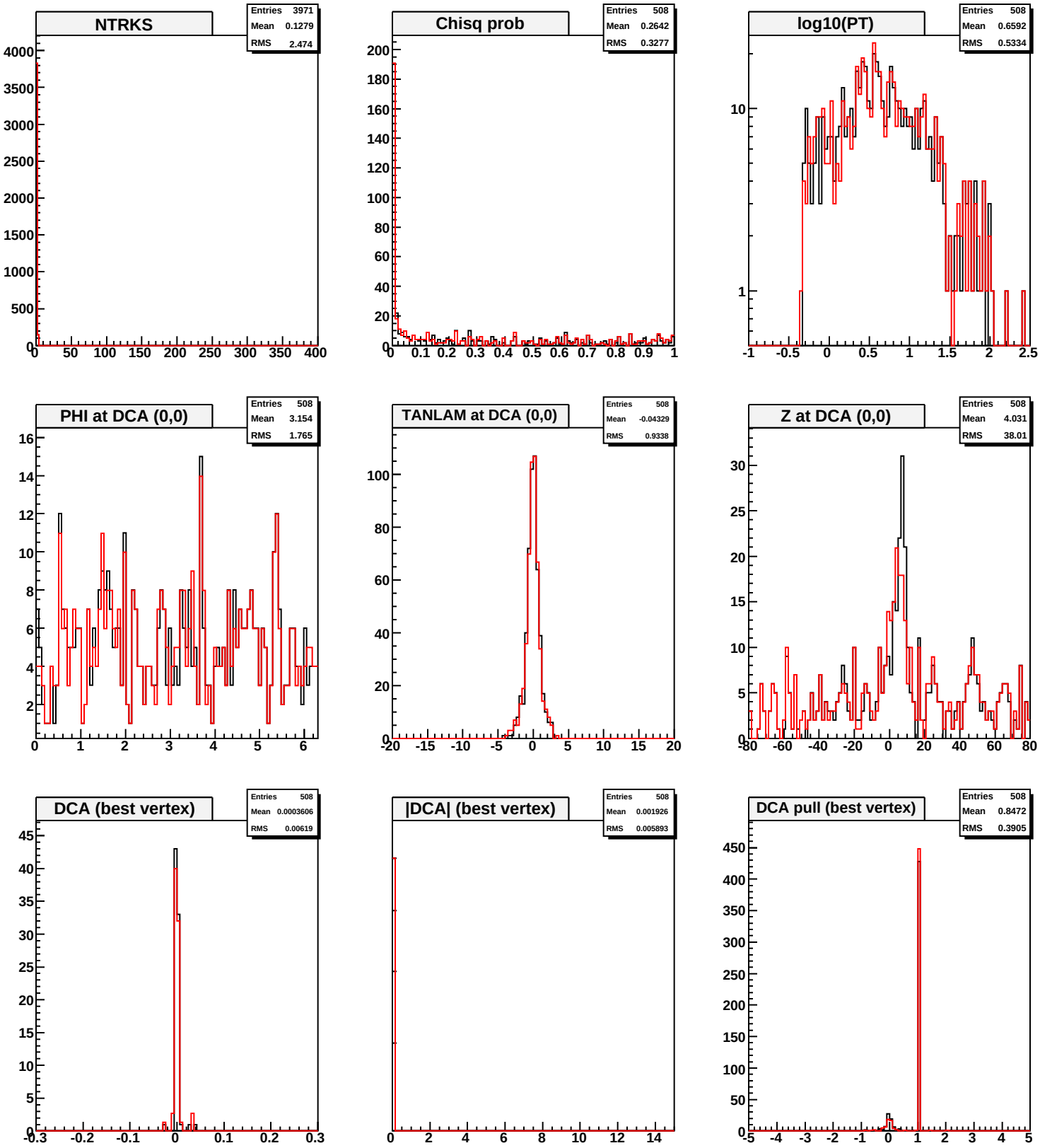
RecoCert_Plots (Index 2)


NTRKS
Entries 3971
Mean 0.1279
RMS 2.474
Chisq prob
Entries 508
Mean 0.2642
RMS 0.3277
log10(PT)
Entries 508
Mean 0.6592
RMS 0.5334
PHI at DCA (0,0)
Entries 508
Mean 3.154
RMS 1.765
TANLAM at DCA (0,0)
Entries 508
Mean -0.04329
RMS 0.9338
Z at DCA (0,0)
Entries 508
Mean 4.031
RMS 38.01
DCA (best vertex)
Entries 508
Mean 0.0003606
RMS 0.00619
|DCA| (best vertex)
Entries 508
Mean 0.001926
RMS 0.005893
DCA pull (best vertex)
Entries 508
Mean 0.8472
RMS 0.3905

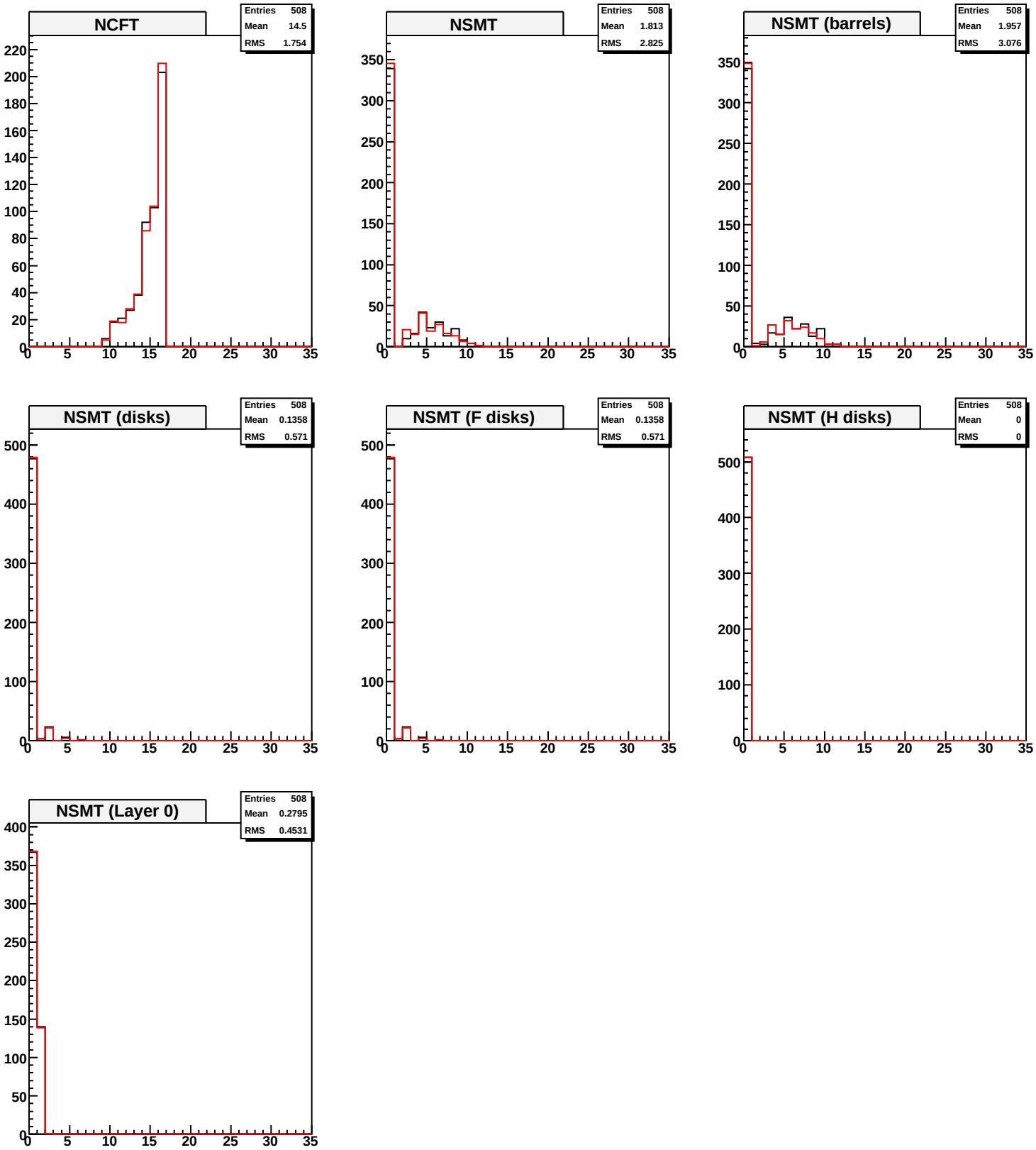
Tracks (All)



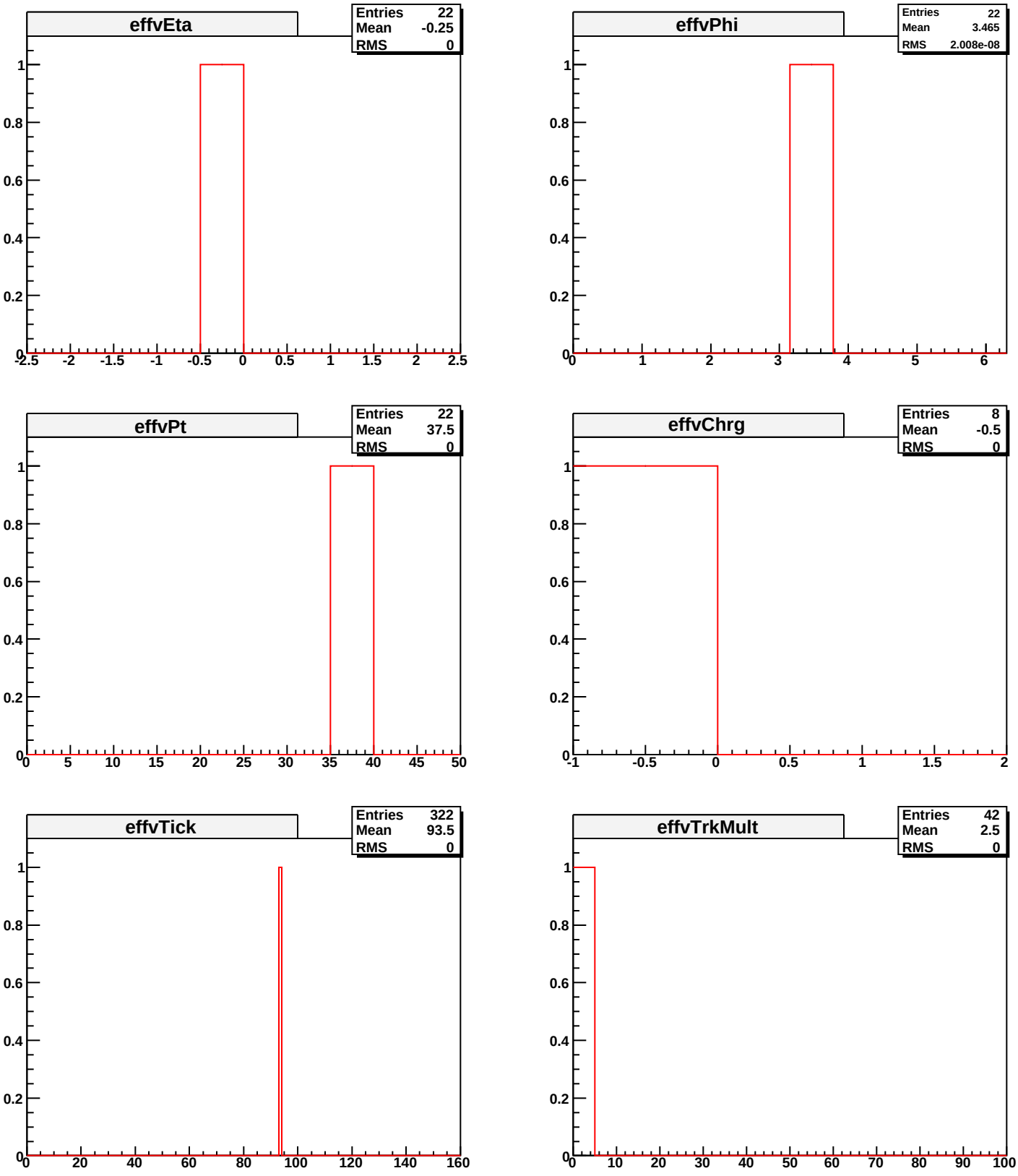
Track Hits (All)



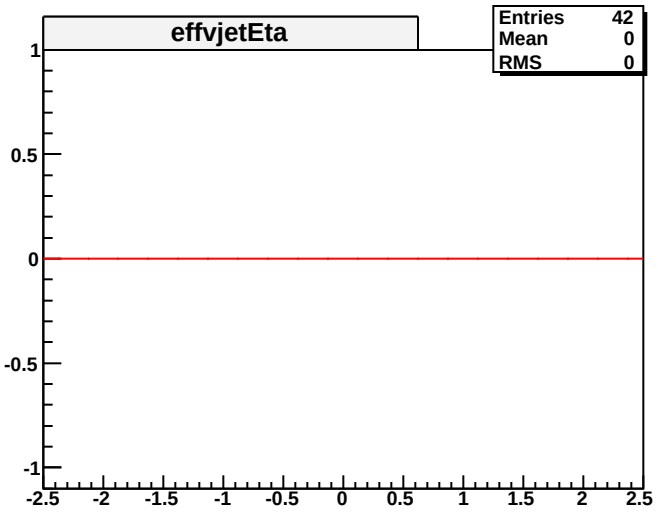
Tracks (Tight)

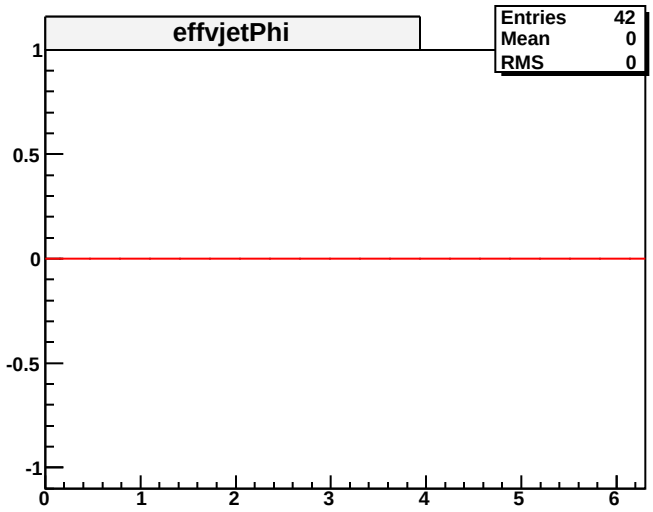


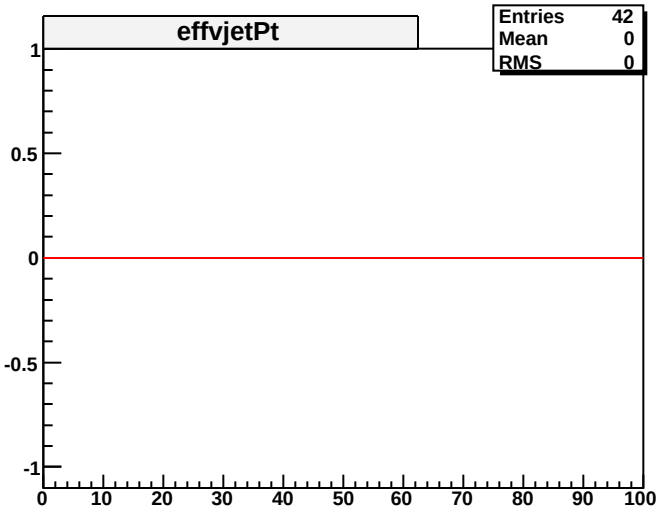
Track Hits (Tight)



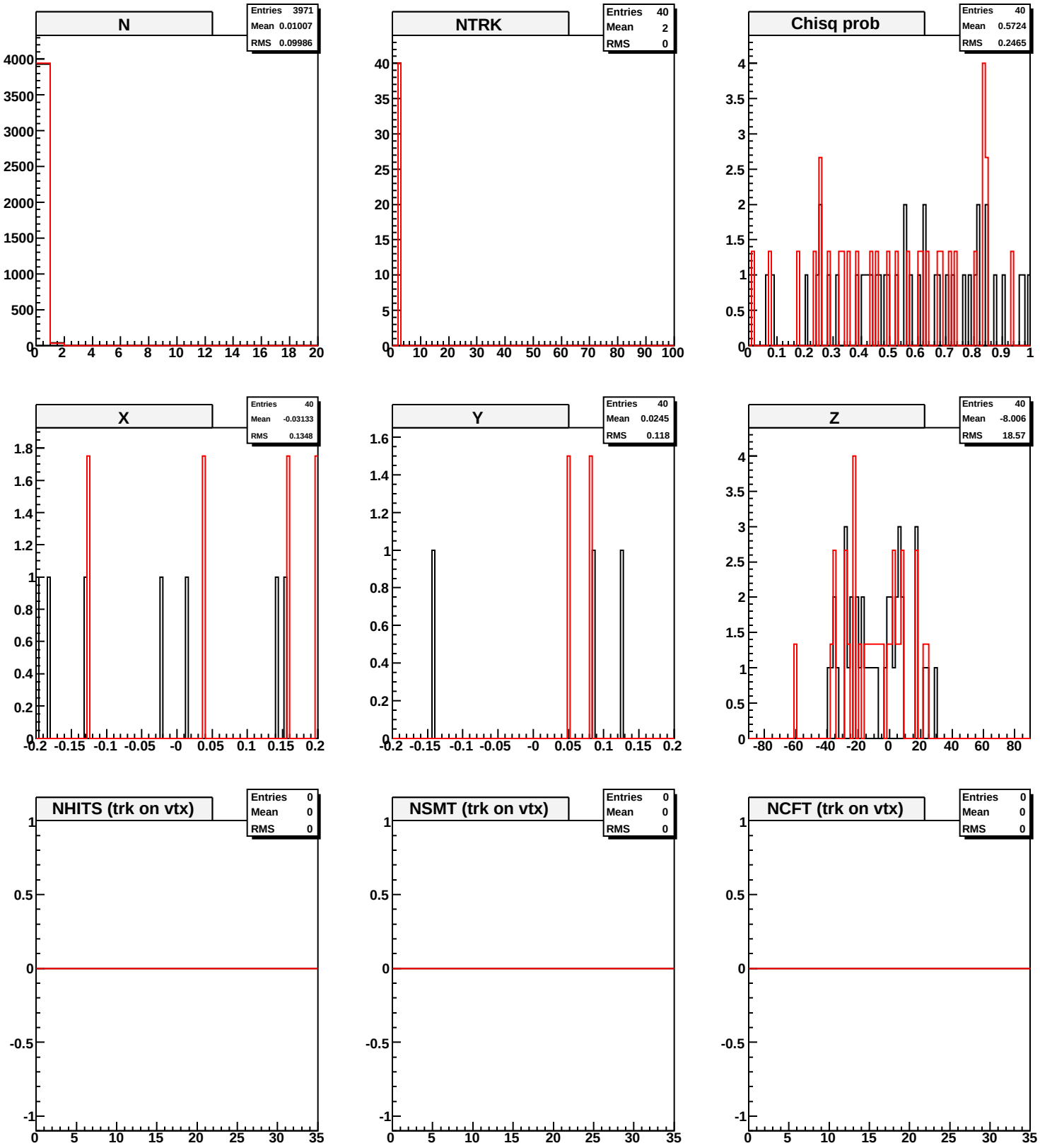
Tracking (Efficiency-Isolated)



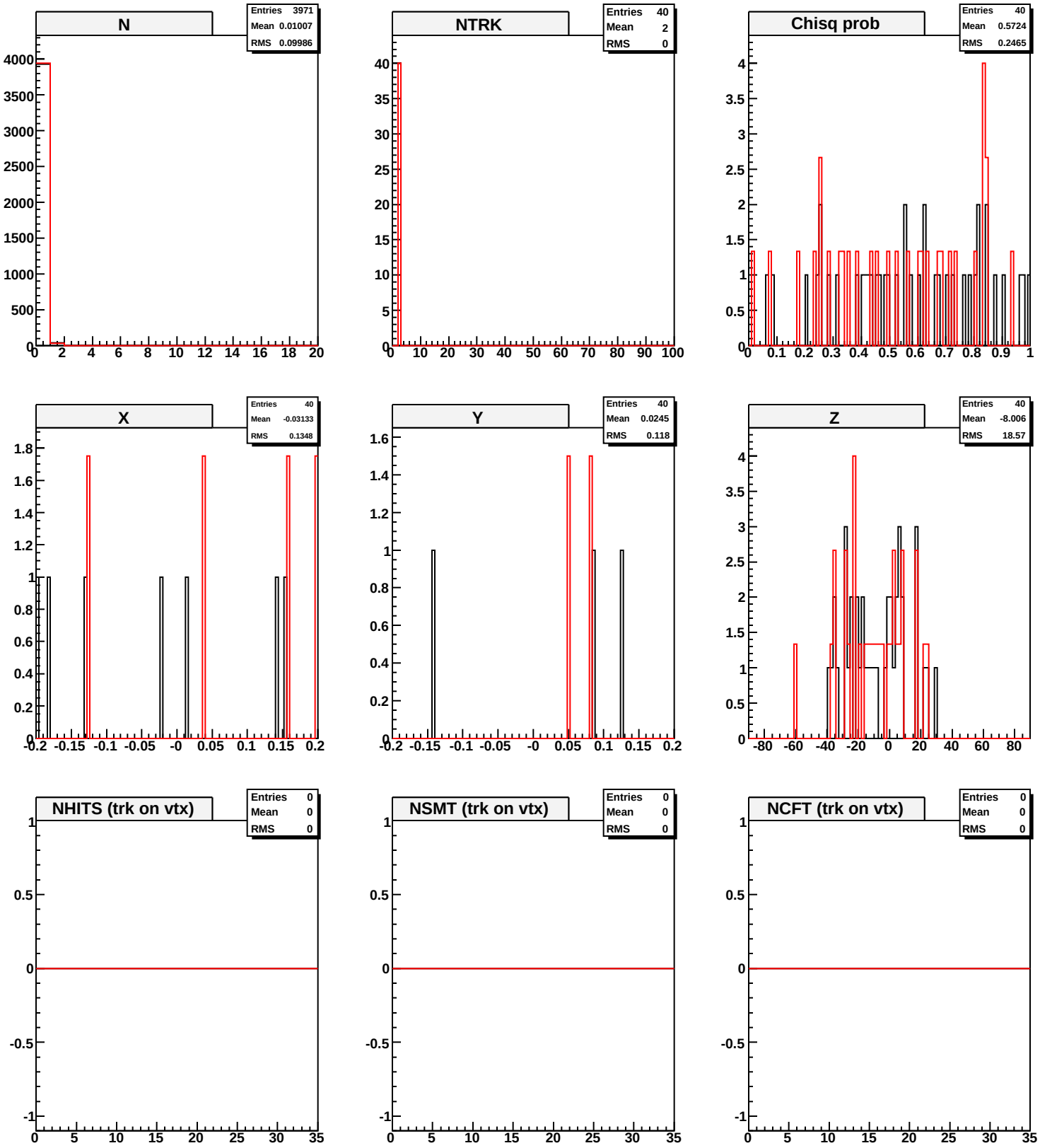




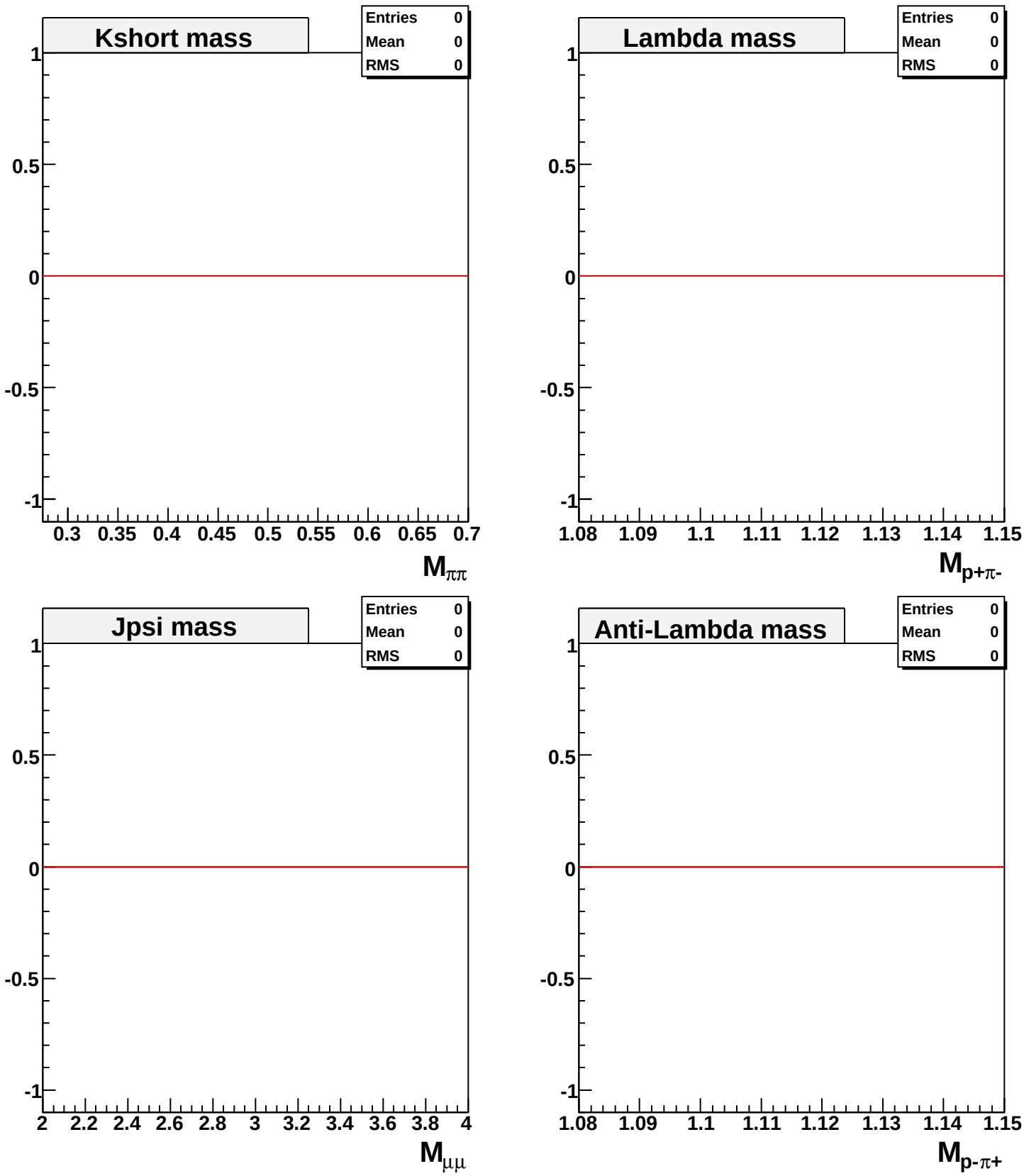
Tracking (Efficiency-InJets)



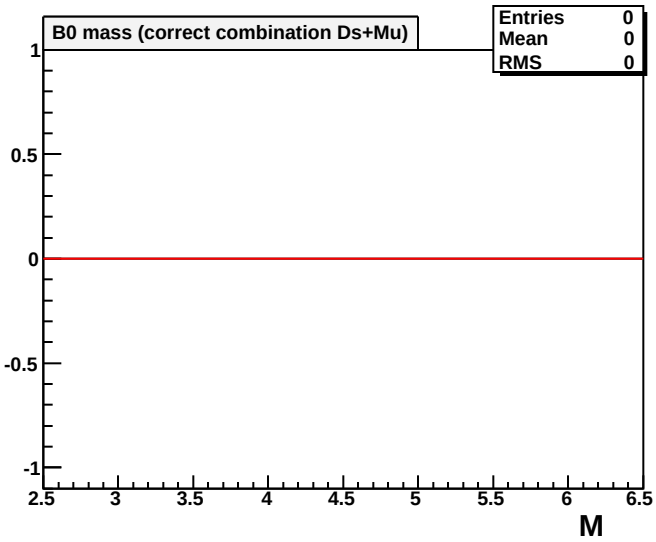
Vertices (Primary - all candidates)

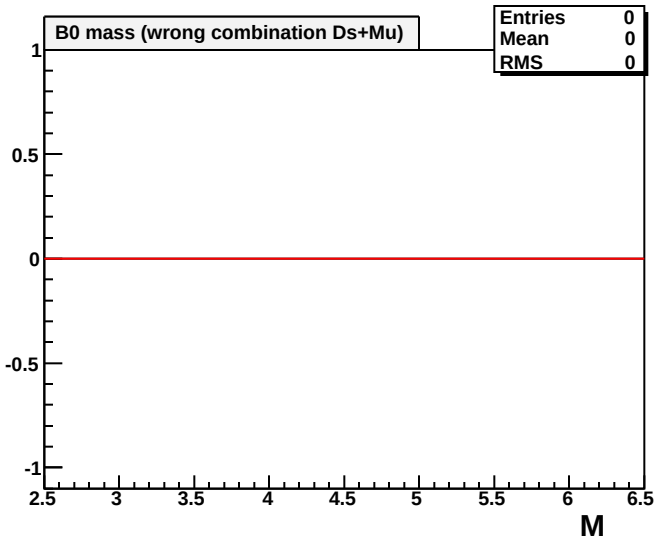


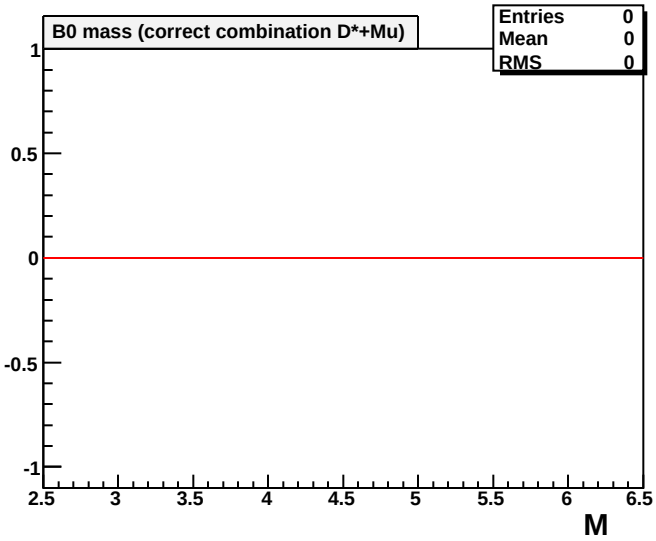
Vertices (Primary - best)

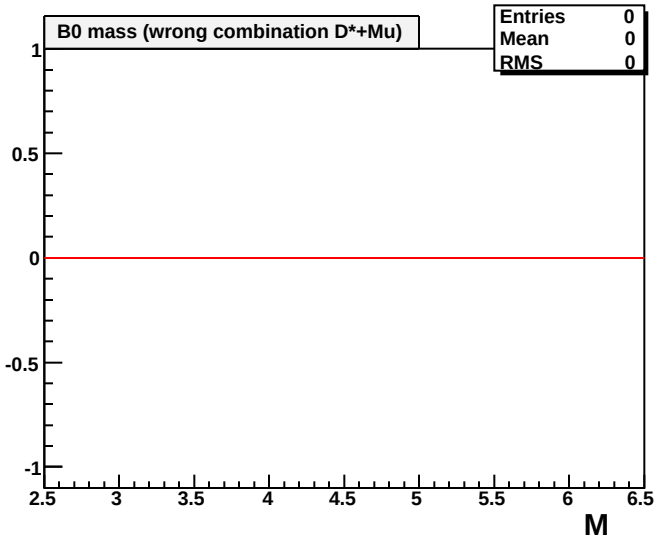

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$
Lambda mass
Entries 0
Mean 0
RMS 0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$
Jpsi mass
Entries 0
Mean 0
RMS 0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$
Anti-Lambda mass
Entries 0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

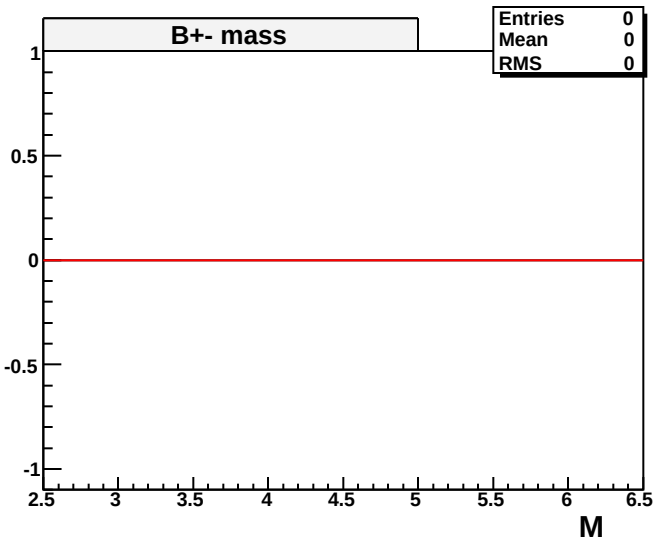
V0 (All)



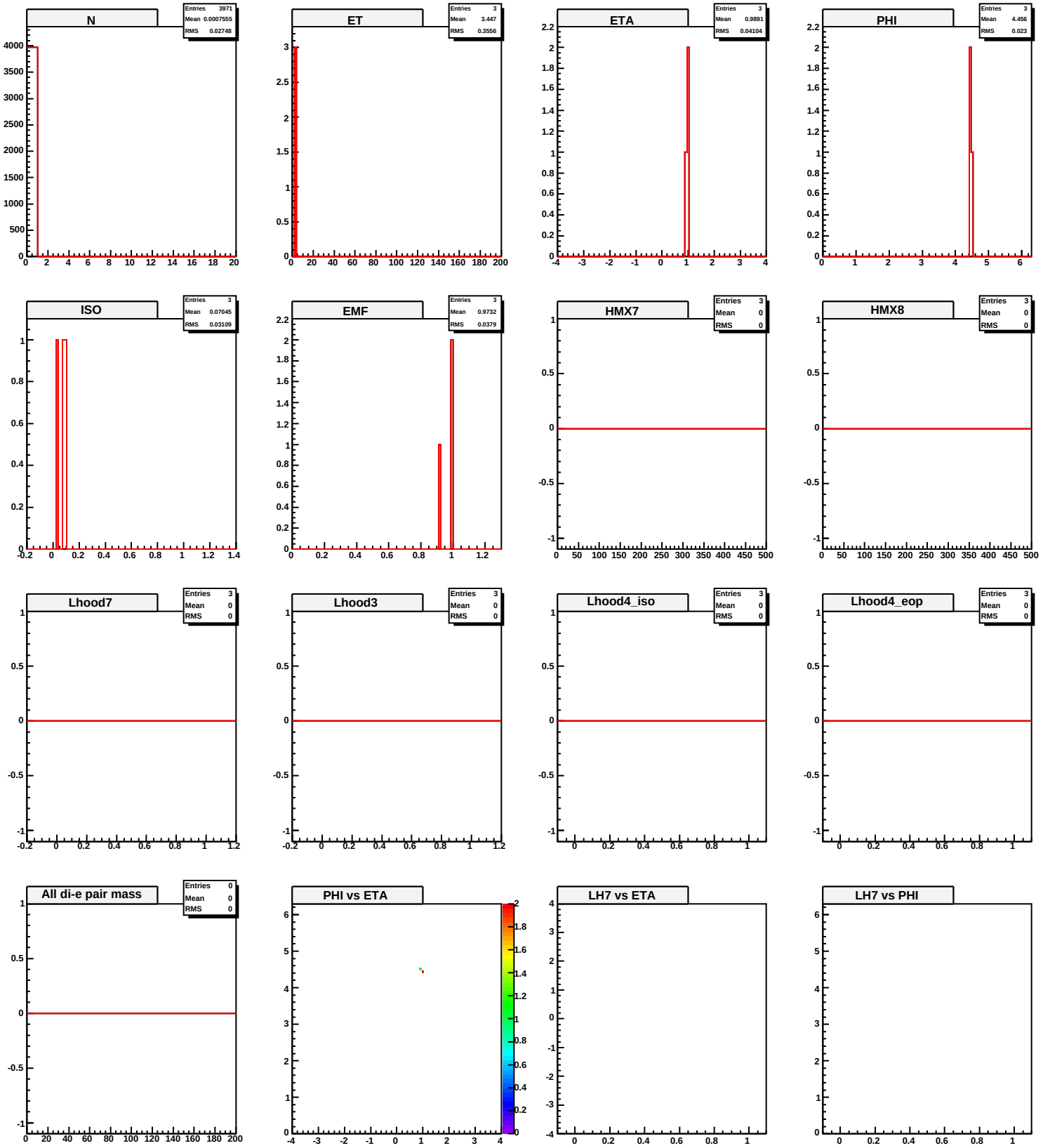




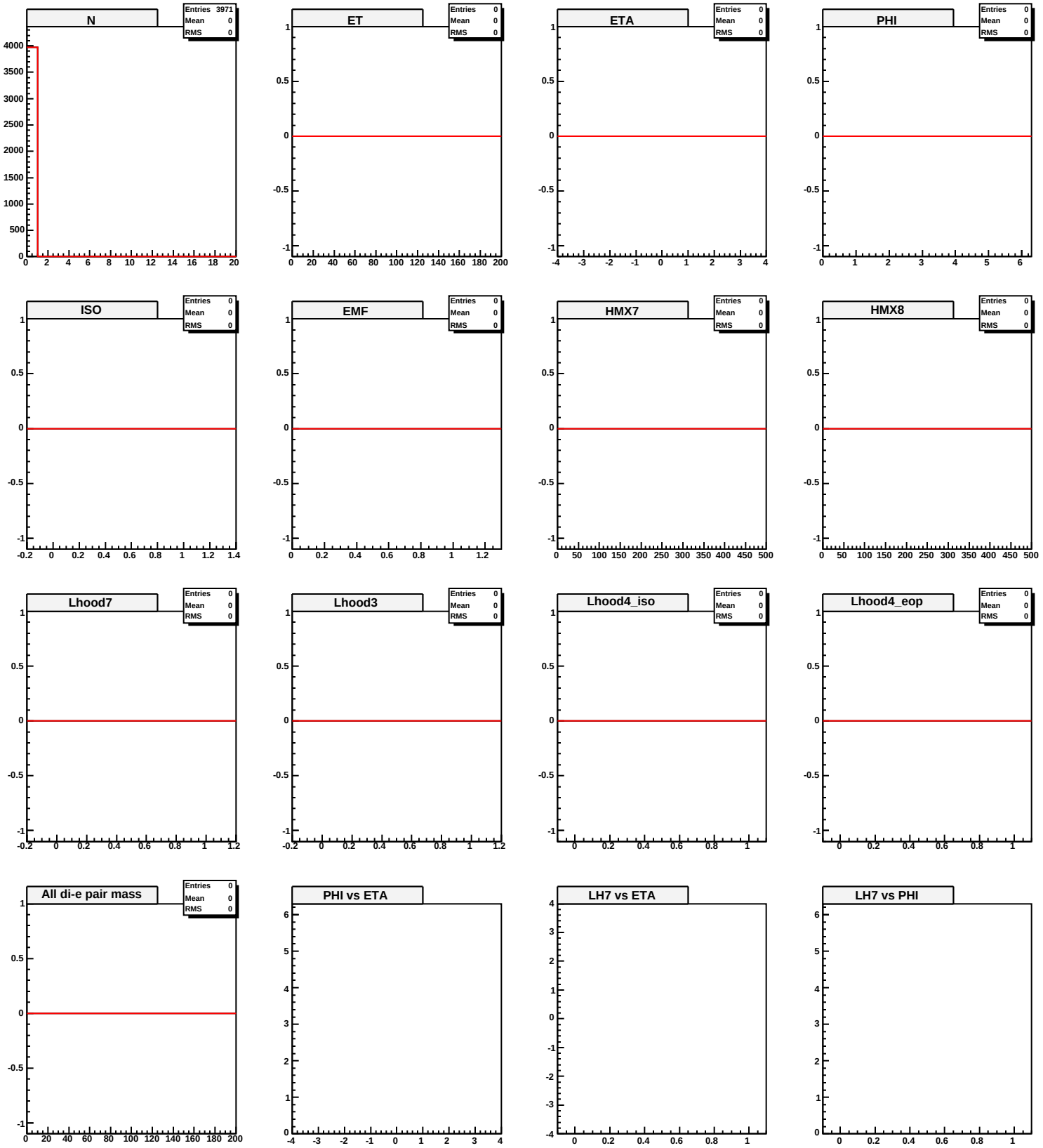




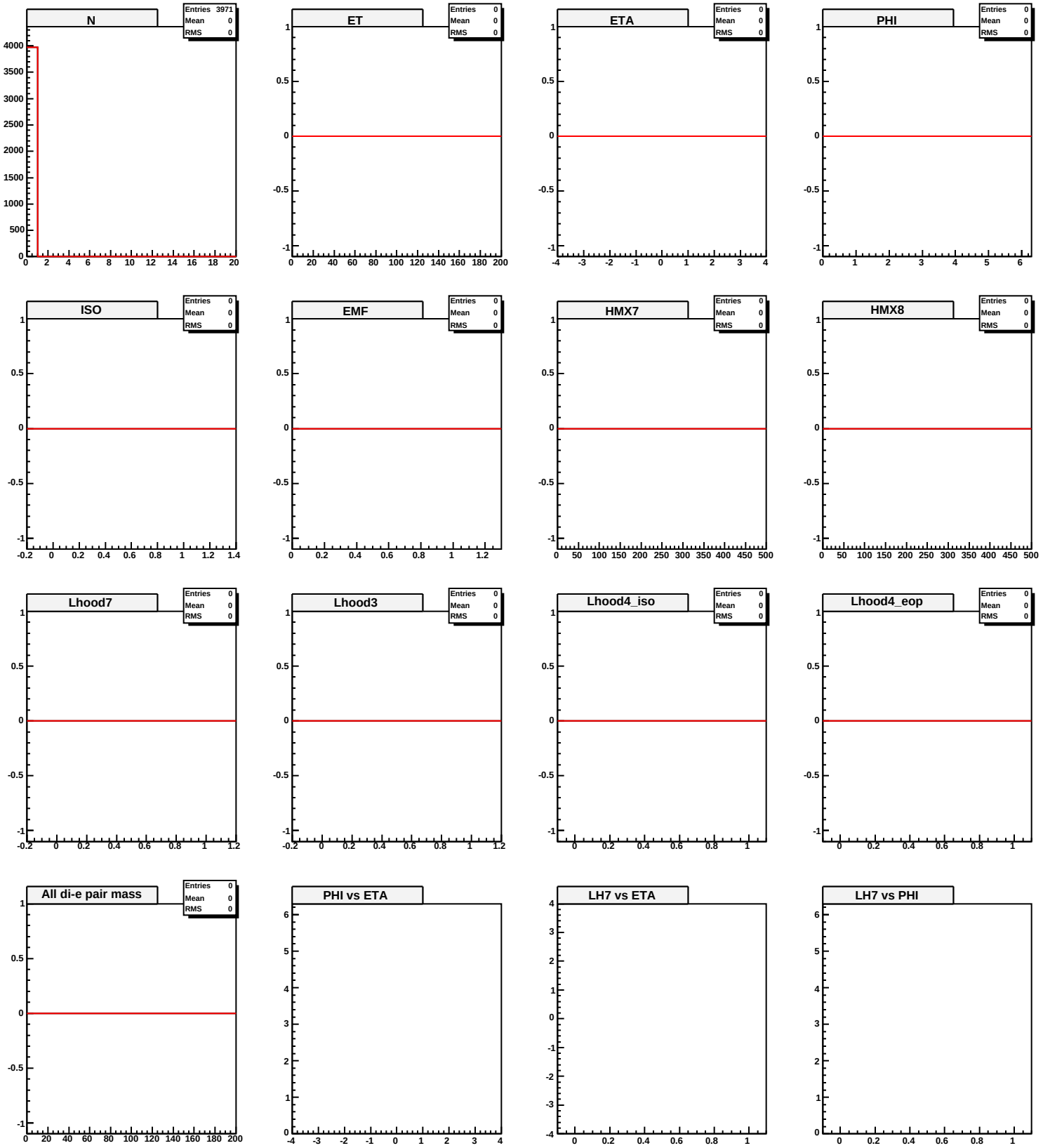
V0(B mesons) (All)



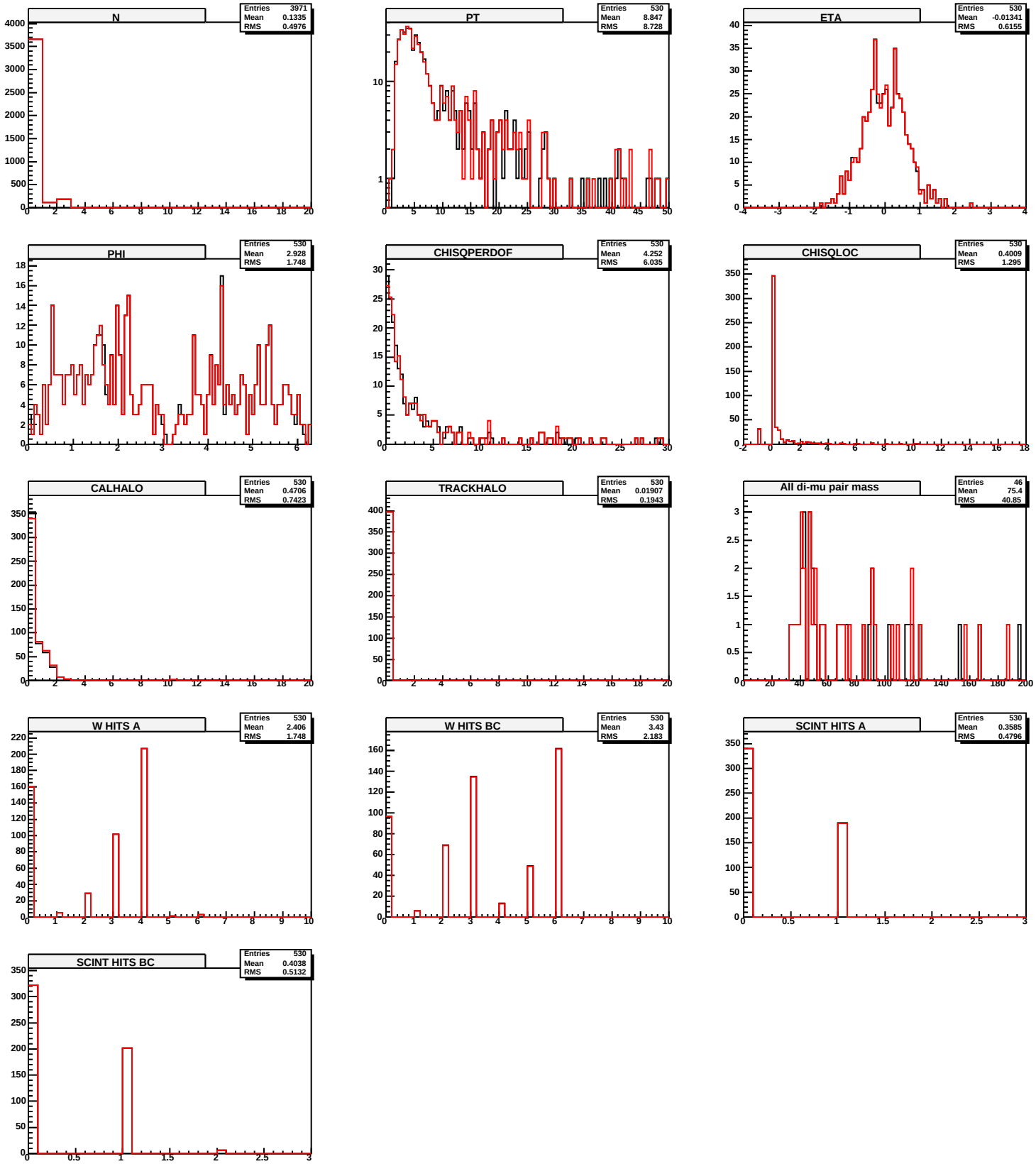
Electrons (SCONE All)



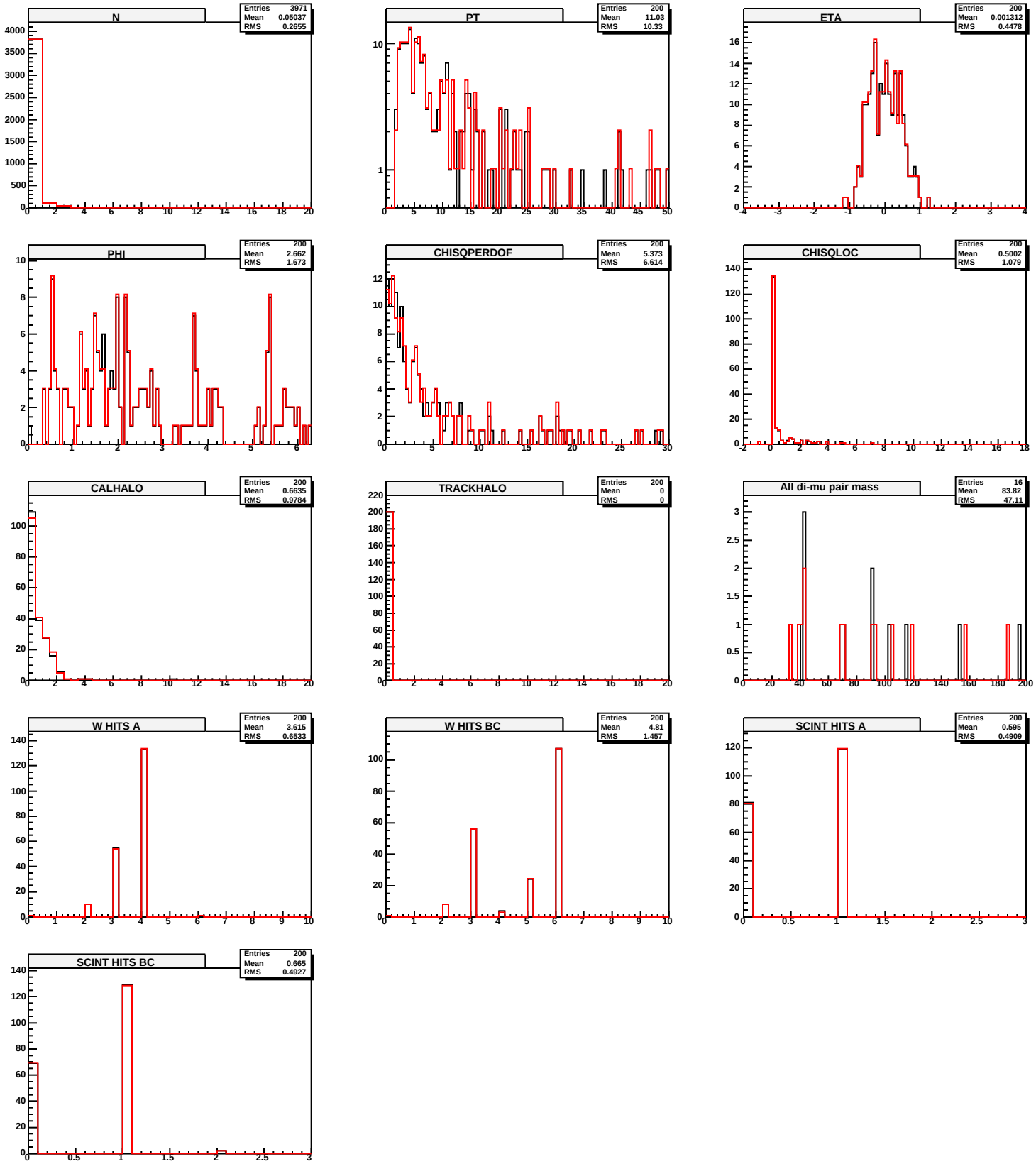
Electrons (SCONE Loose)



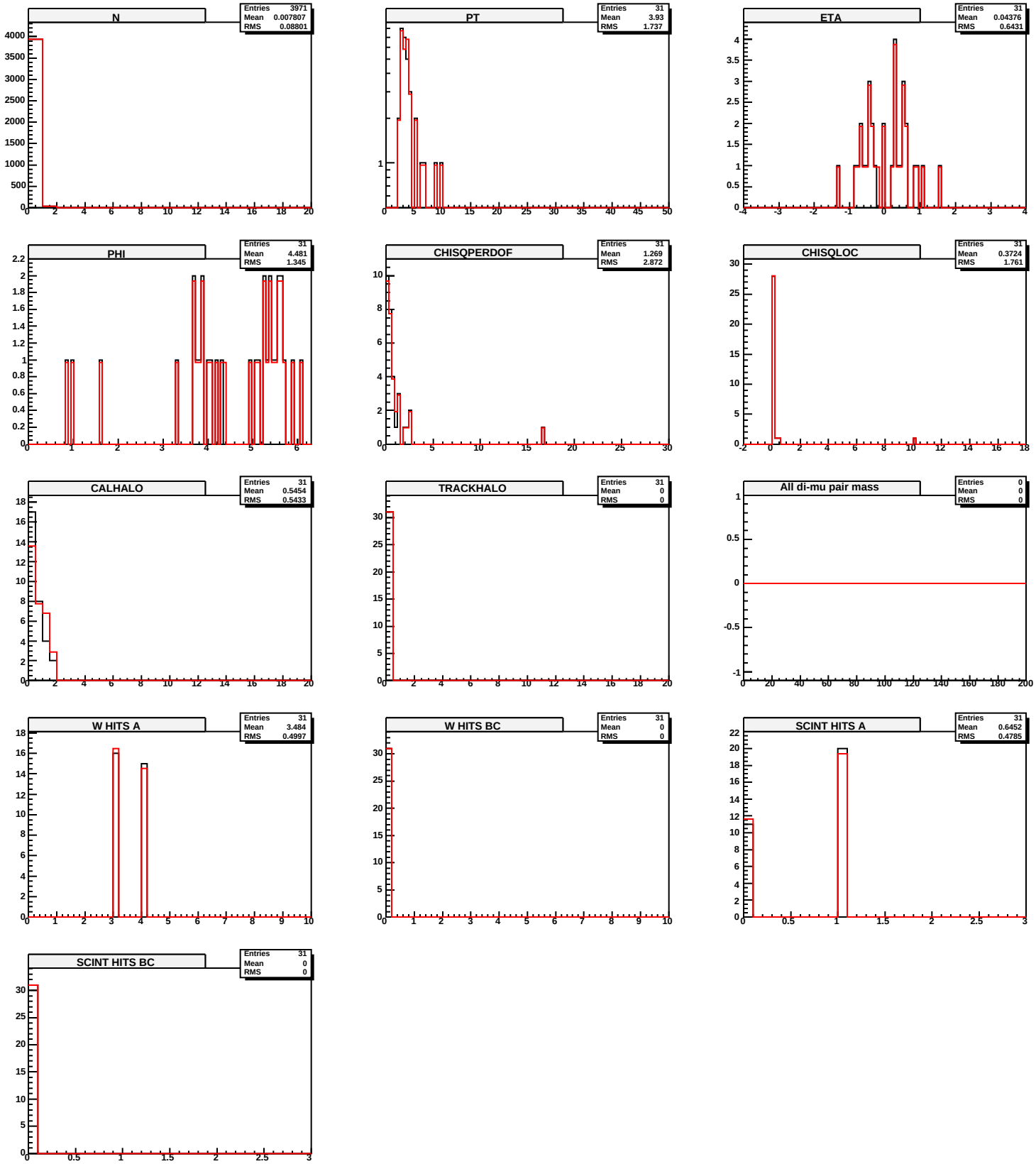
Electrons (SCONE Tight)


N
Entries 3971
Mean 0.1335
RMS 0.4976
PT
Entries 530
Mean 8.847
RMS 8.728
ETA
Entries 530
Mean -0.01341
RMS 0.6155
PHI
Entries 530
Mean 2.928
RMS 1.748
CHISQPERDOF
Entries 530
Mean 4.252
RMS 6.035
CHISQLOC
Entries 530
Mean 0.4009
RMS 1.295
CALHALO
Entries 530
Mean 0.4706
RMS 0.7423
TRACKHALO
Entries 530
Mean 0.01907
RMS 0.1943
All di-mu pair mass
Entries 46
Mean 75.4
RMS 40.85
W HITS A
Entries 530
Mean 2.406
RMS 1.748
W HITS BC
Entries 530
Mean 3.43
RMS 2.183
SCINT HITS A
Entries 530
Mean 0.3585
RMS 0.4796
SCINT HITS BC
Entries 530
Mean 0.4038
RMS 0.5132

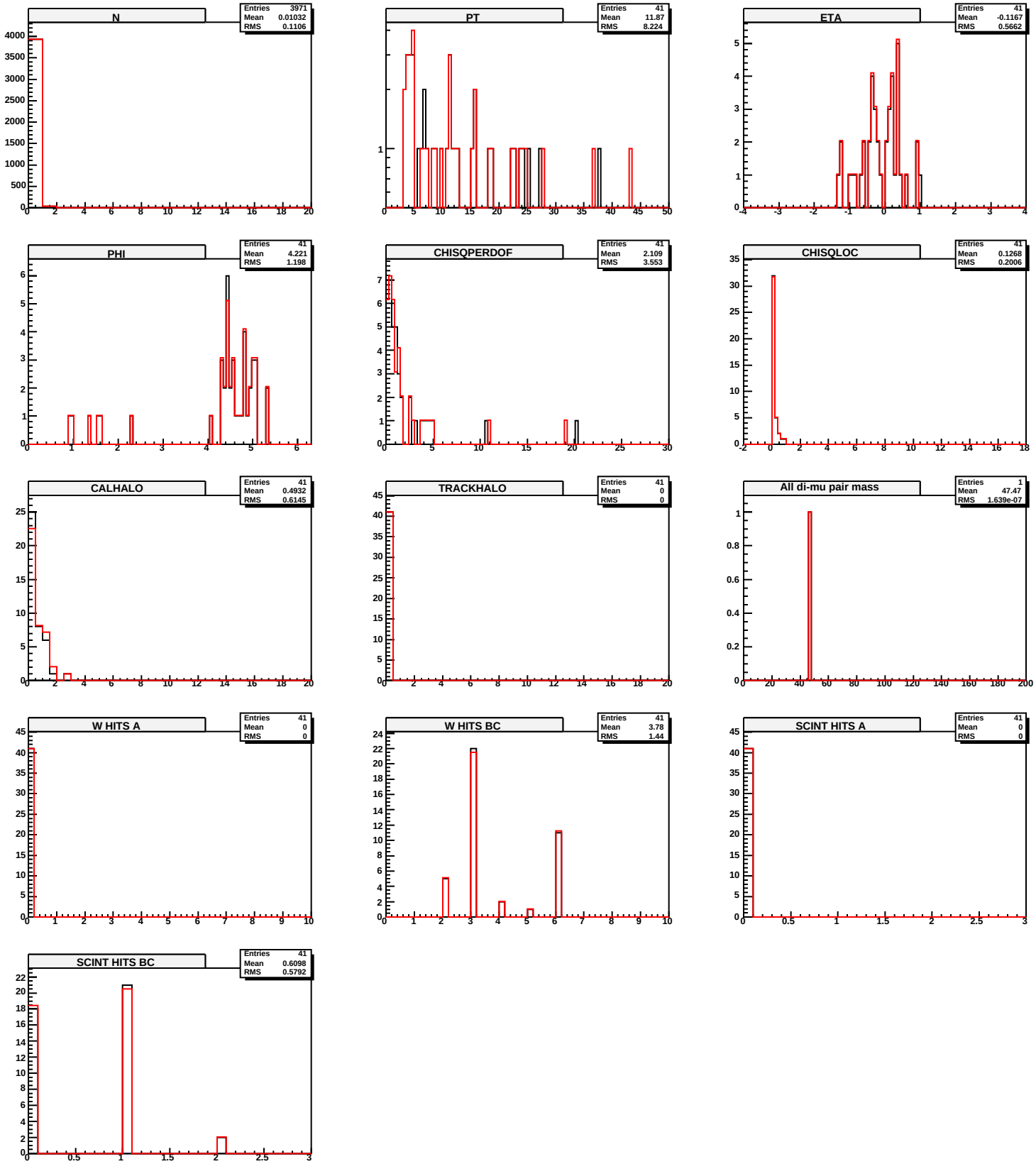
Muons (All)



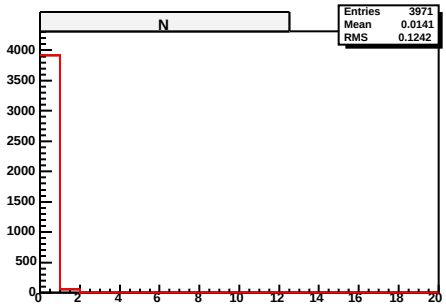
Muons (Matched)

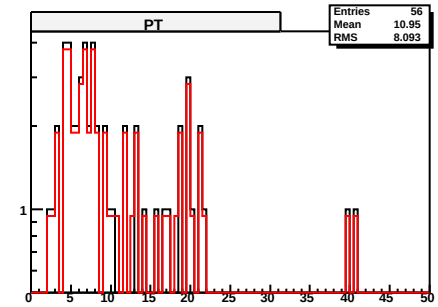

N
Entries 3971
Mean 0.007807
RMS 0.08801
PT
Entries 31
Mean 3.93
RMS 1.737
ETA
Entries 31
Mean 0.04376
RMS 0.6431
PHI
Entries 31
Mean 4.481
RMS 1.345
CHISQPERDOF
Entries 31
Mean 1.269
RMS 2.872
CHISQLOC
Entries 31
Mean 0.3724
RMS 1.761
CALHALO
Entries 31
Mean 0.5454
RMS 0.5433
TRACKHALO
Entries 31
Mean 0
RMS 0
All di-mu pair mass
Entries 0
Mean 0
RMS 0
W HITS A
Entries 31
Mean 3.484
RMS 0.4997
W HITS BC
Entries 31
Mean 0
RMS 0
SCINT HITS A
Entries 31
Mean 0.6452
RMS 0.4785
SCINT HITS BC
Entries 31
Mean 0
RMS 0

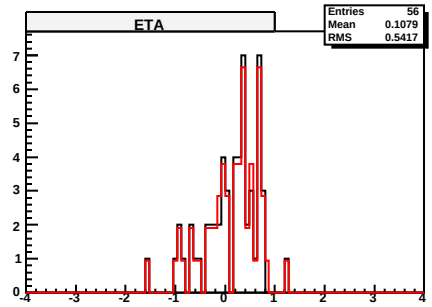
Muons (Astub)

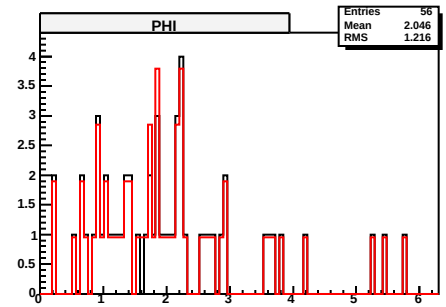


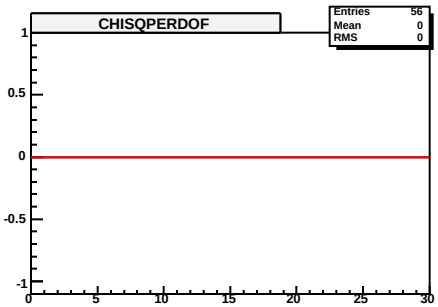
Muons (BCstub)

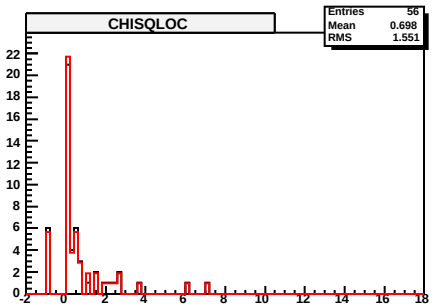


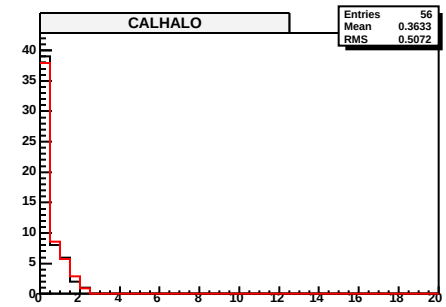


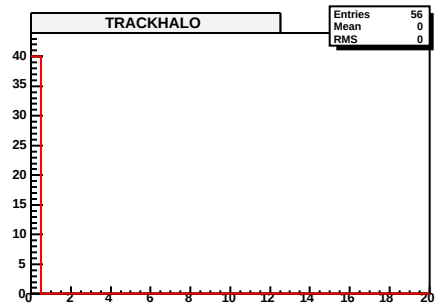


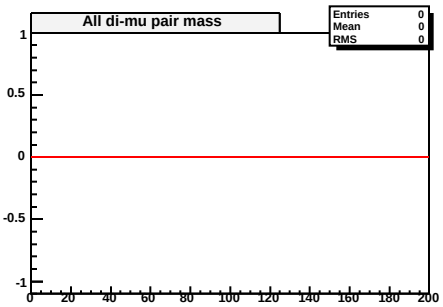


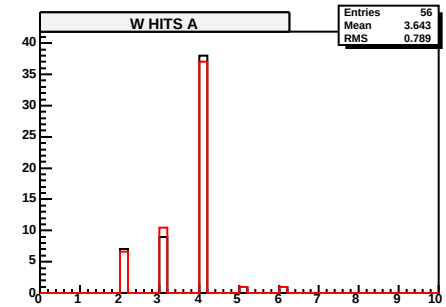


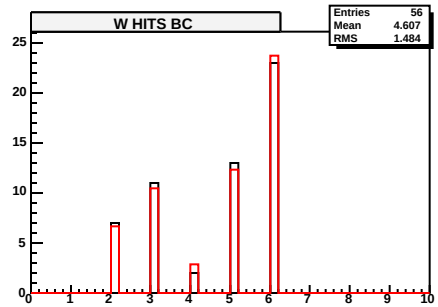


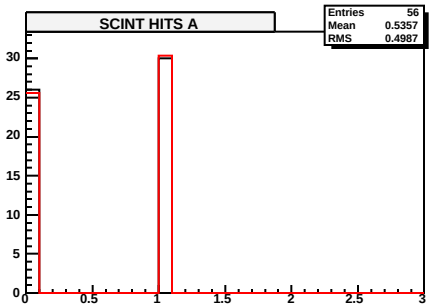


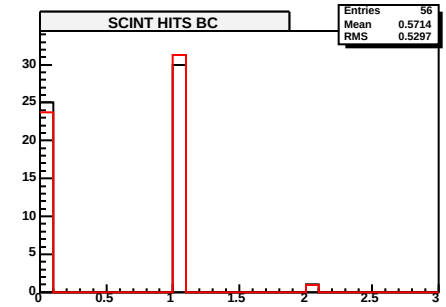




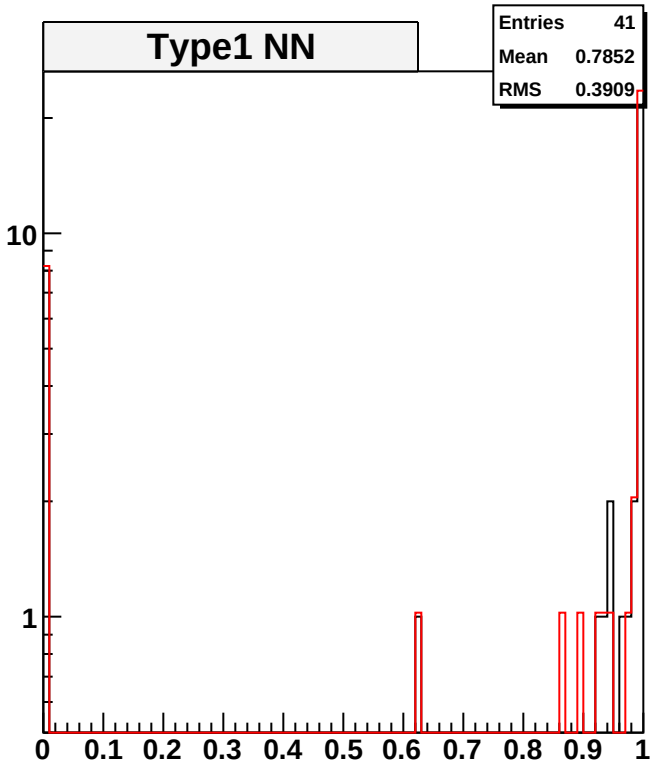




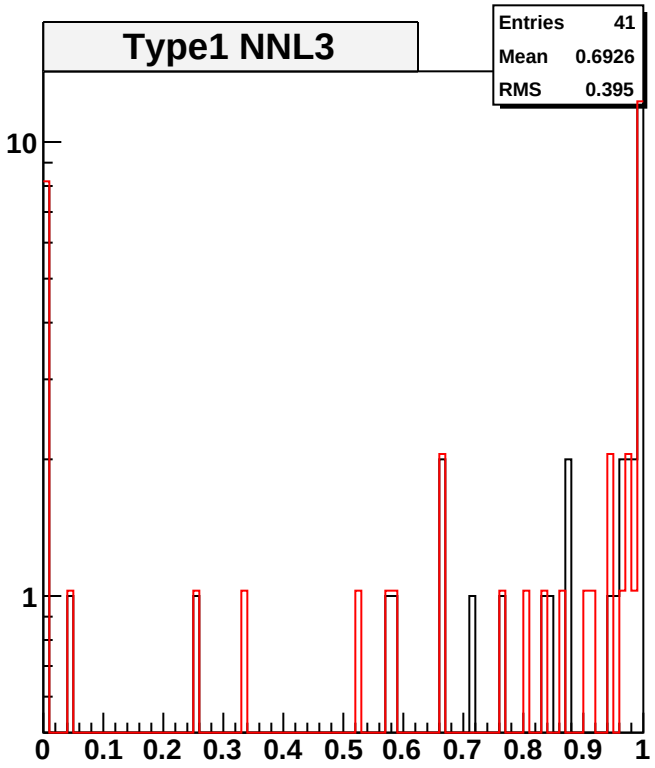


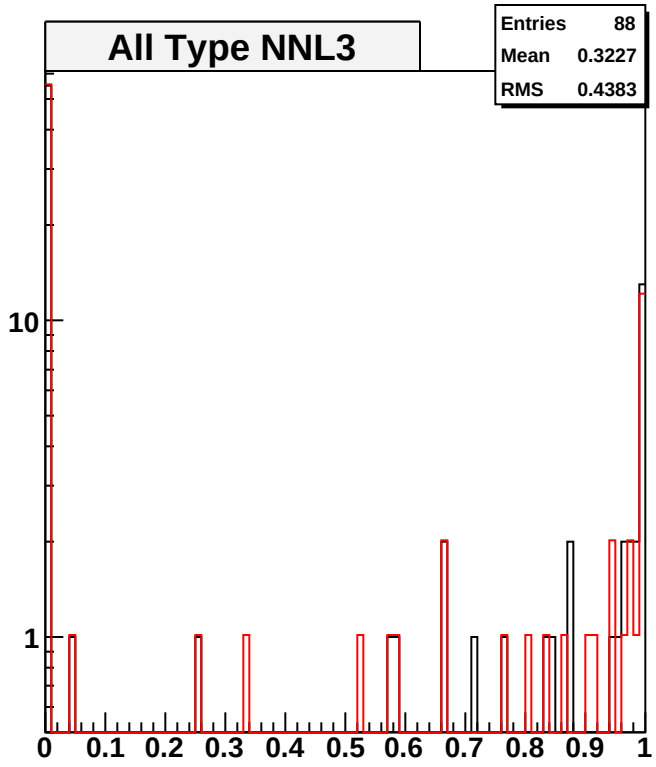


Muons (Unmatched)

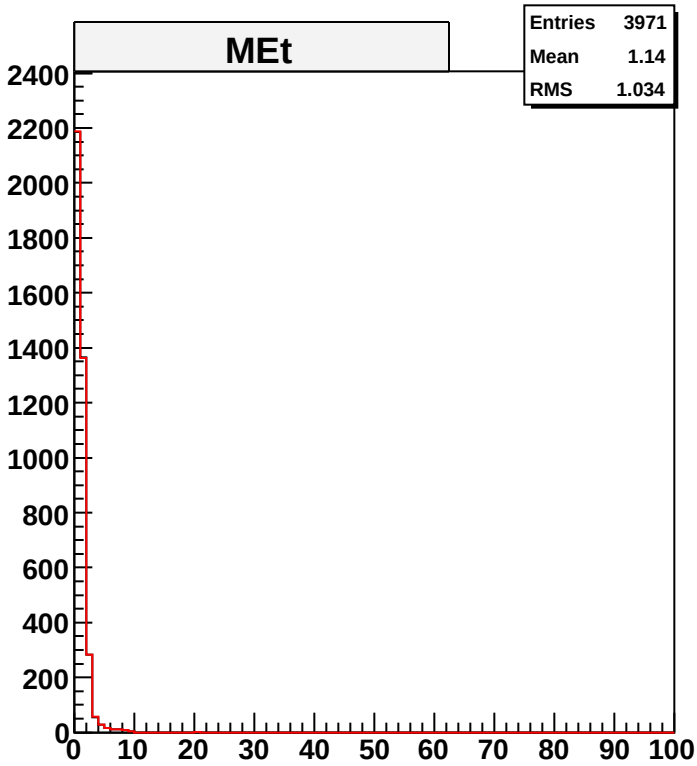


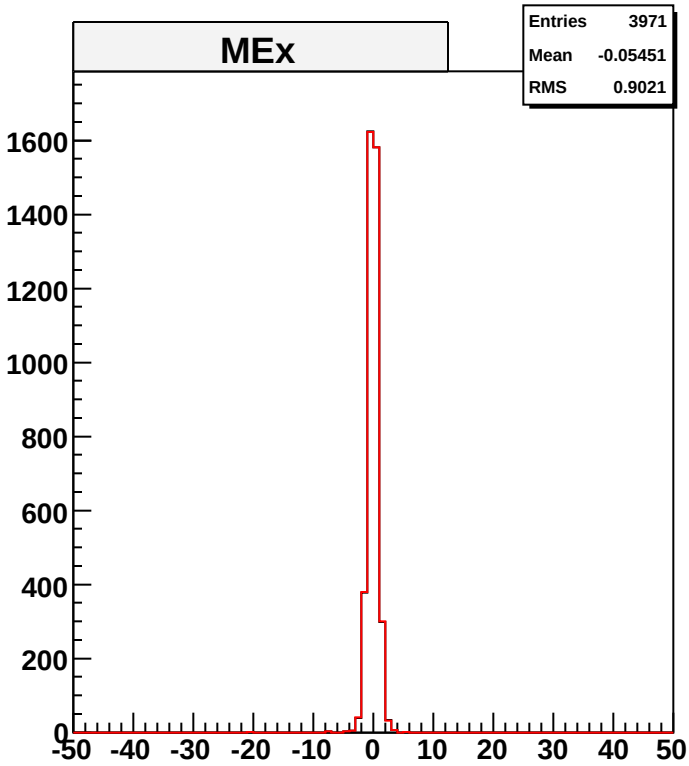
Taus NN (TAU All)

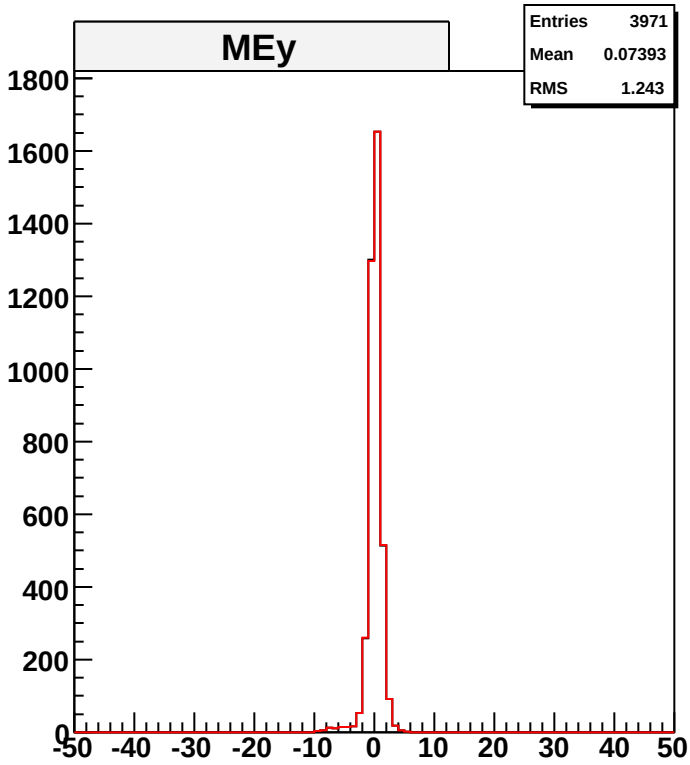




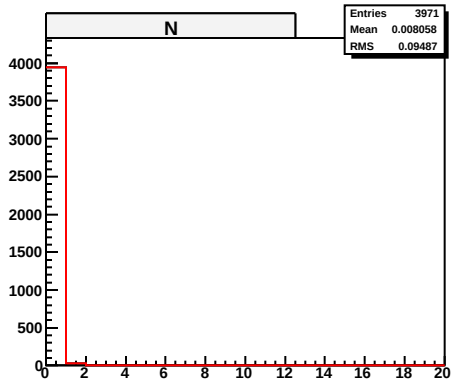
Taus NNL3 (TAU All)

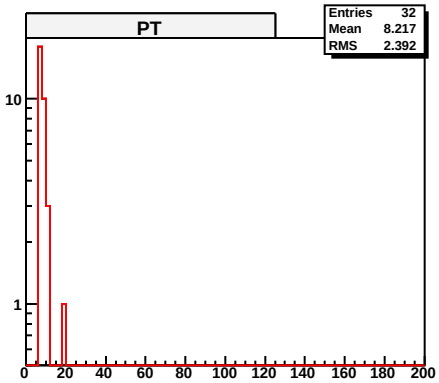

MEt
Entries 3971
Mean 1.14
RMS 1.034
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0 10 20 30 40 50 60 70 80 90 100

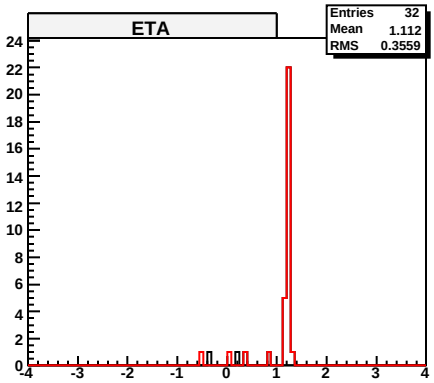

MEx
Entries 3971
Mean -0.05451
RMS 0.9021
1600
1400
1200
1000
800
600
400
200
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

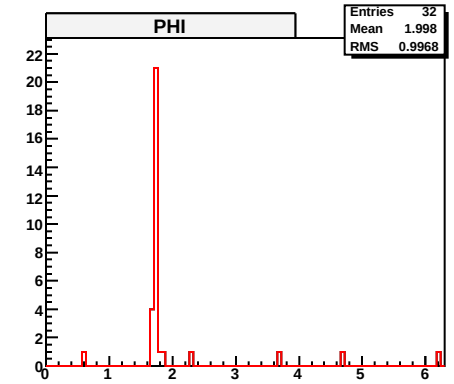

MEy
Entries 3971
Mean 0.07393
RMS 1.243
1800
1600
1400
1200
1000
800
600
400
200
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

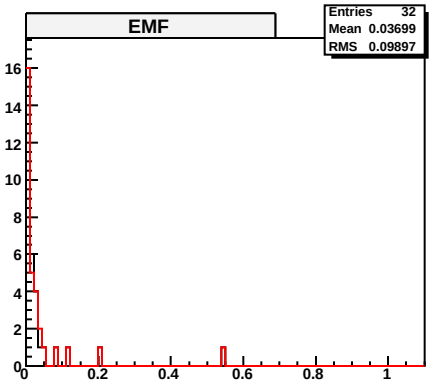
Met (No cuts)

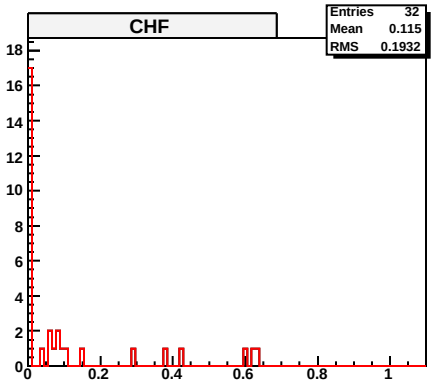


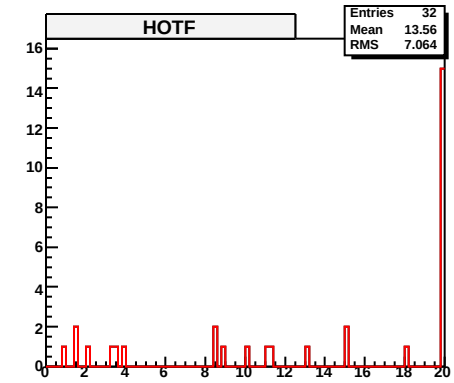


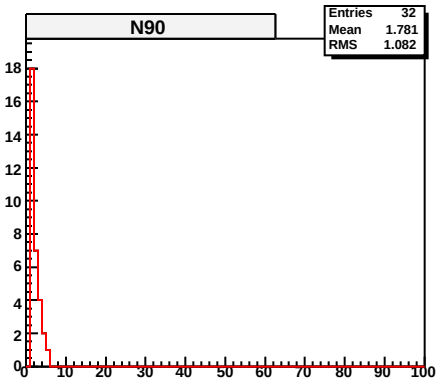


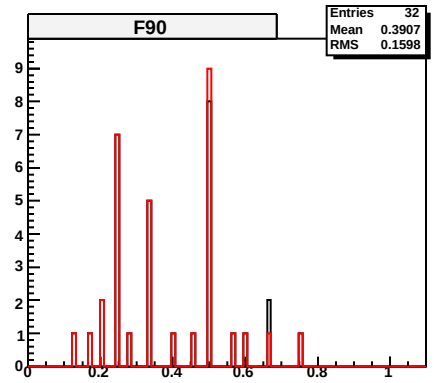


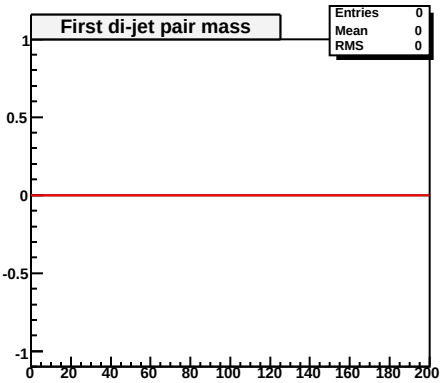


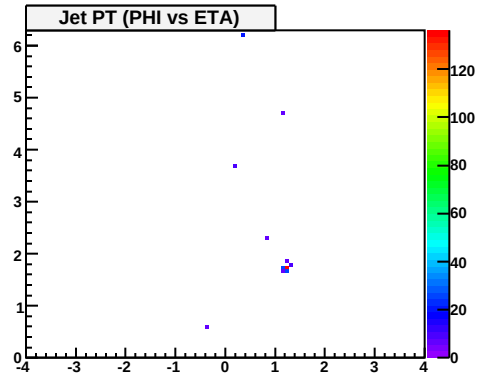




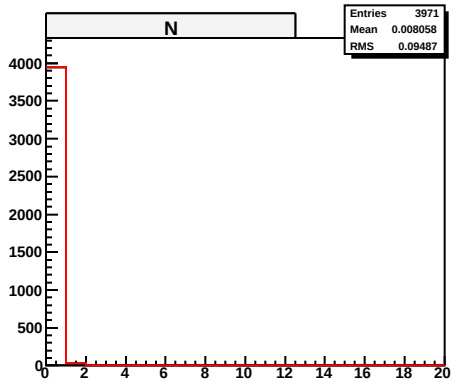


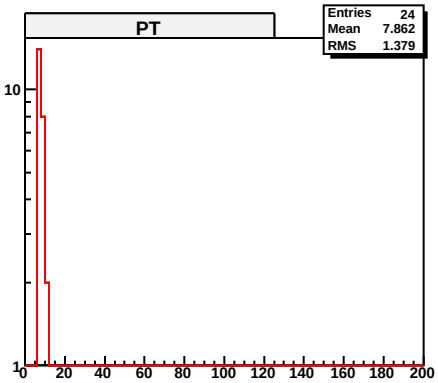


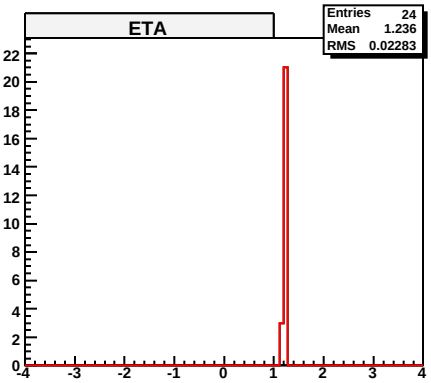


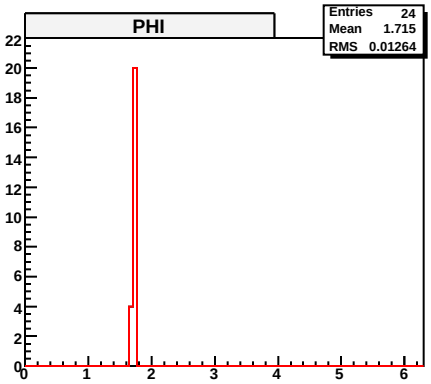


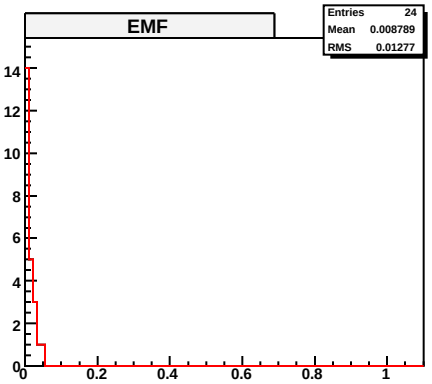
Jets (Cone R 0.7 (no cuts))

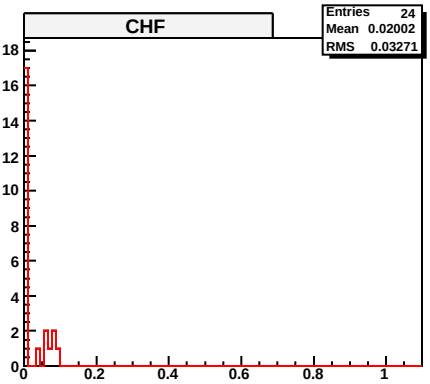


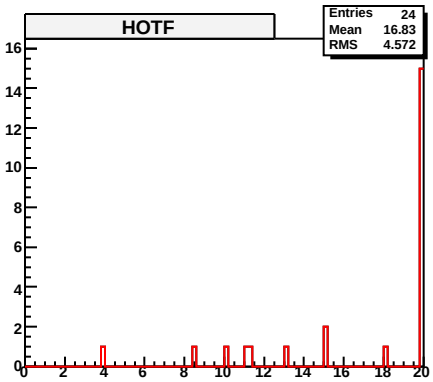


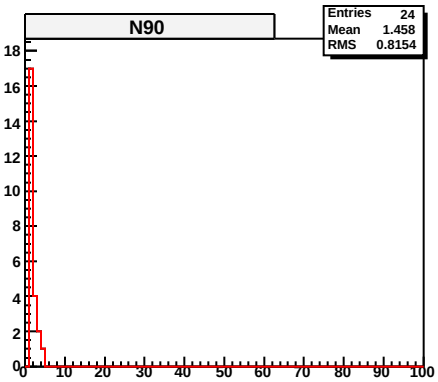


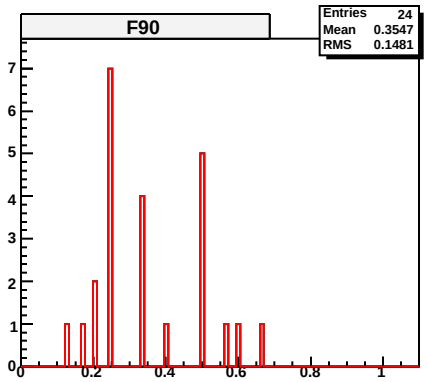


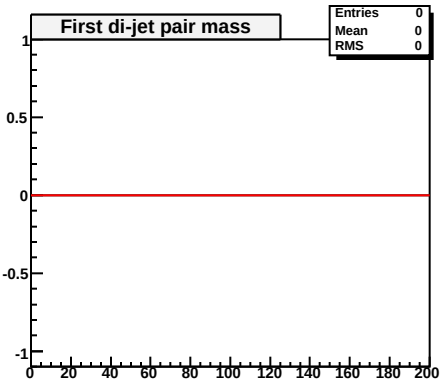


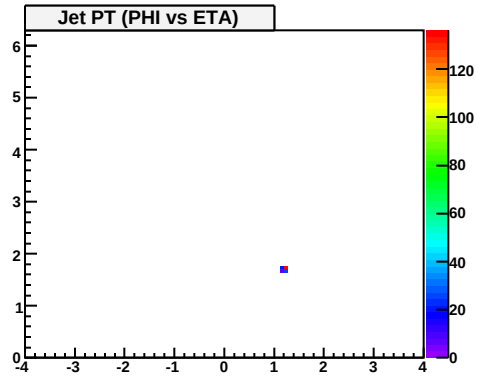




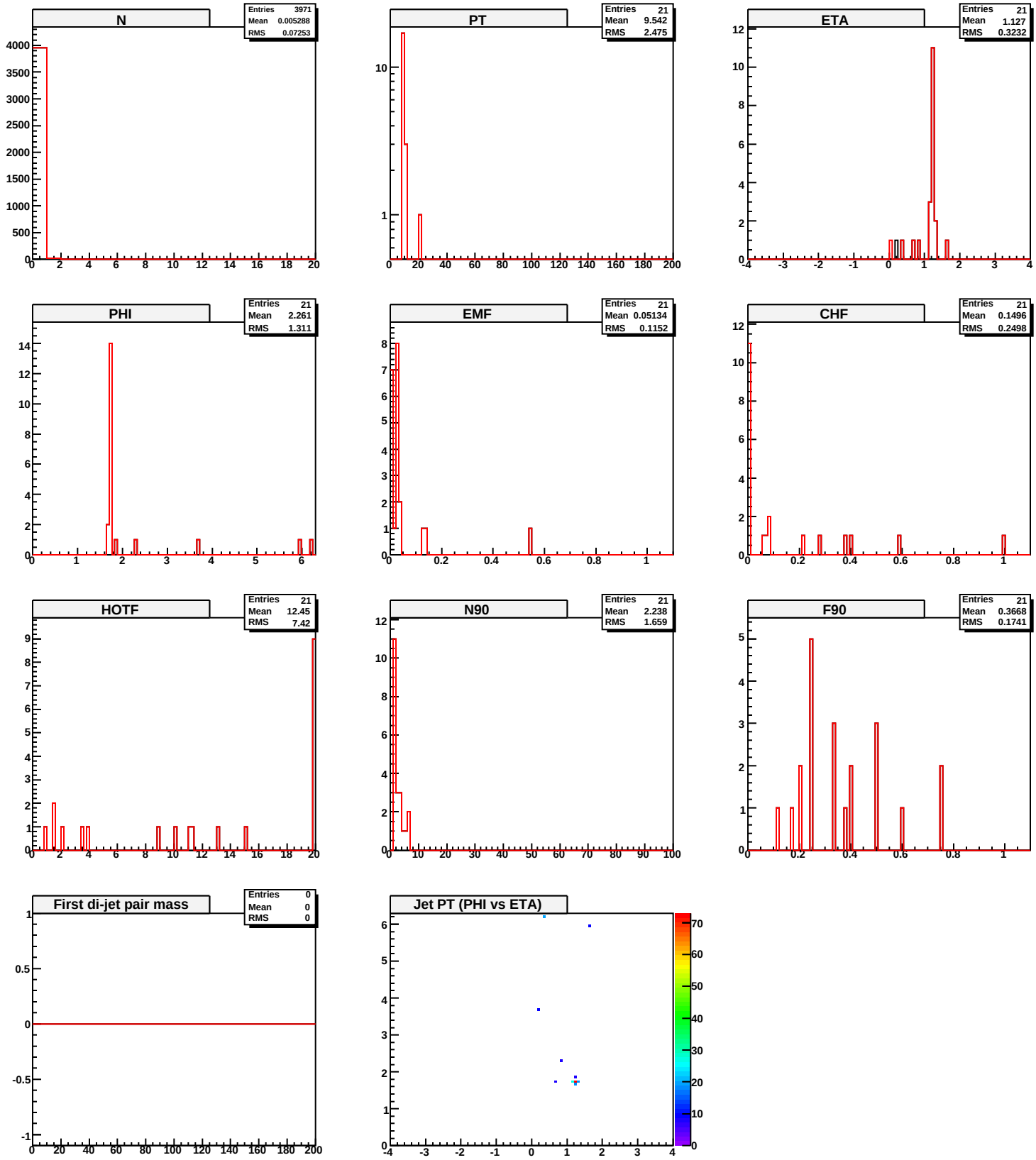




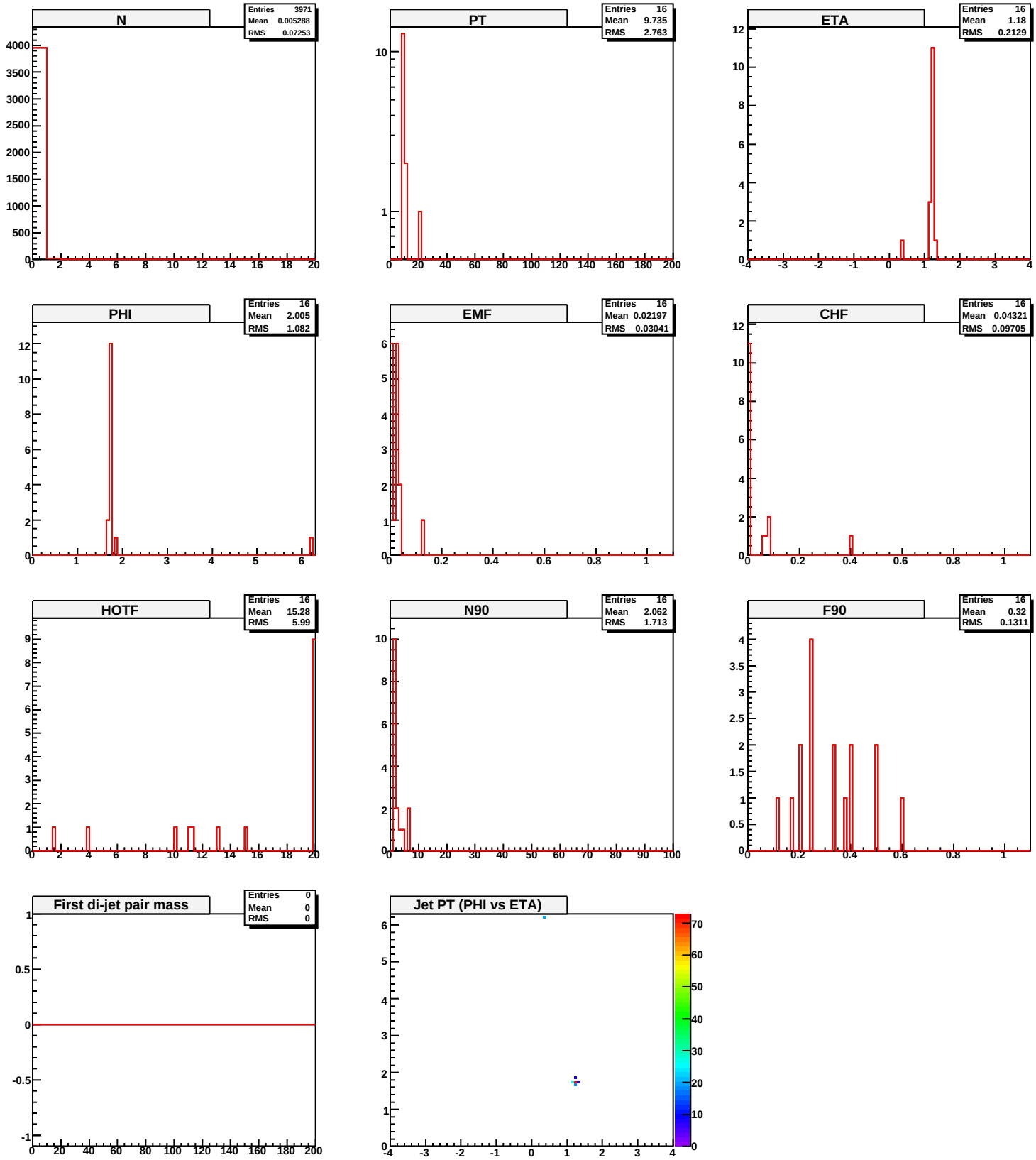




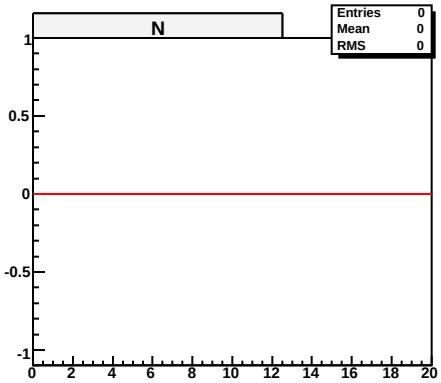
Jets (Cone R 0.7 (standard cuts))

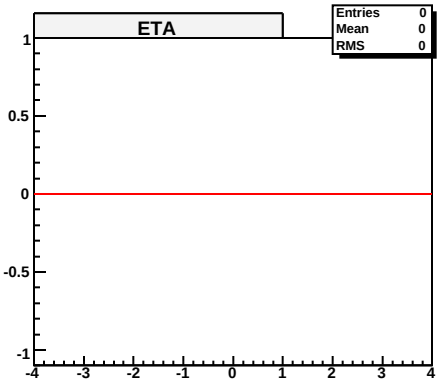


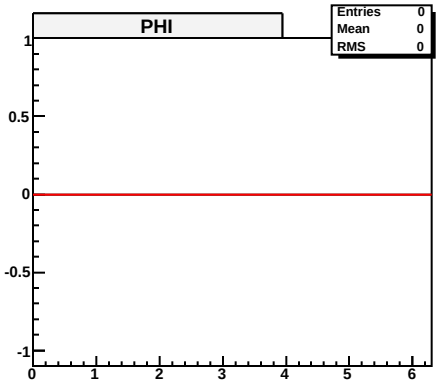
Jets (KT D 1 (no cuts))

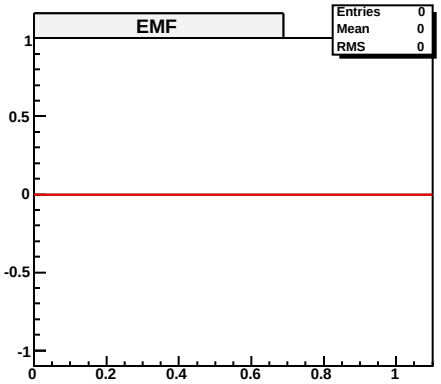


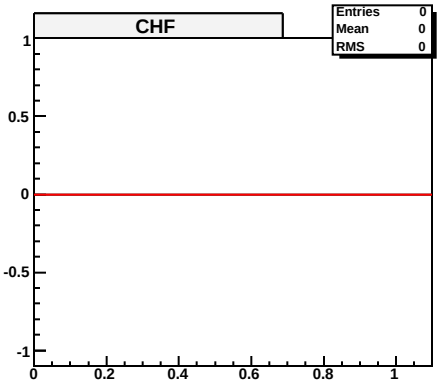
Jets (KT D 1 (standard cuts))

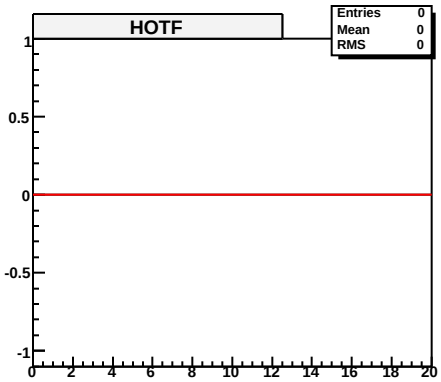


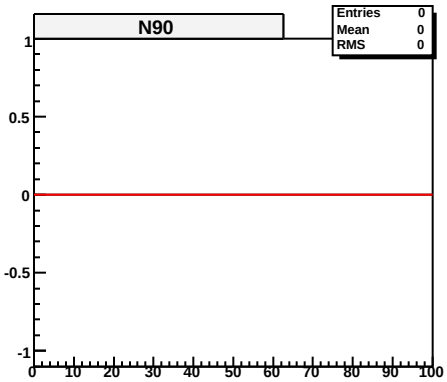


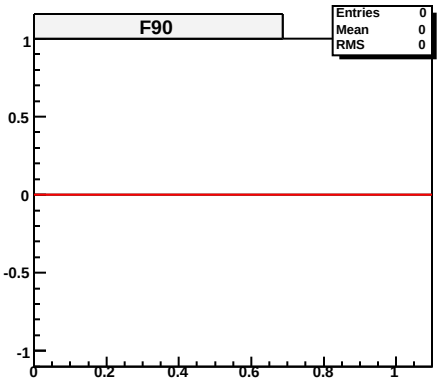


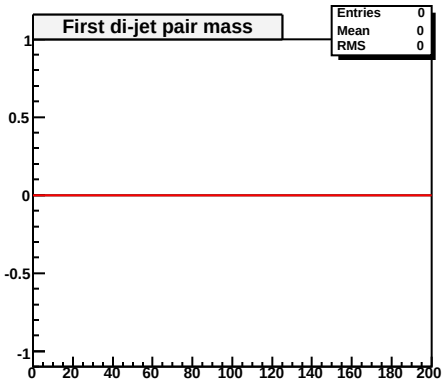


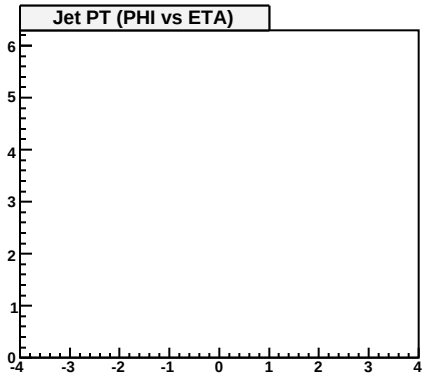




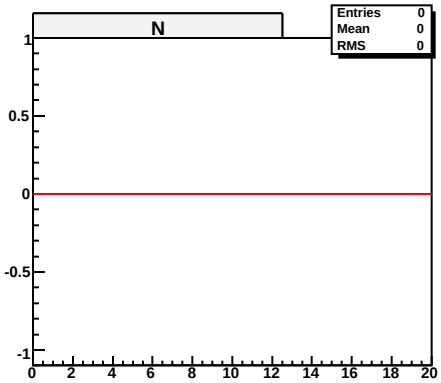


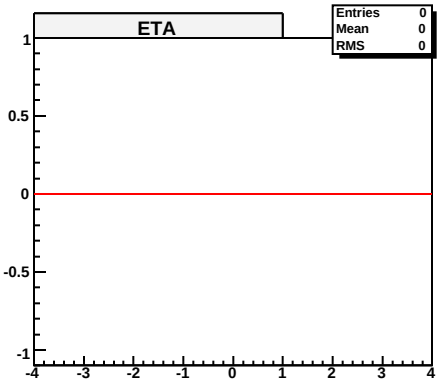


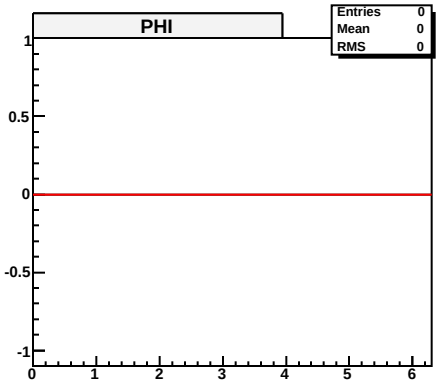


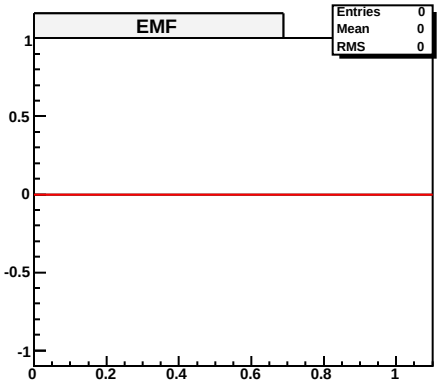


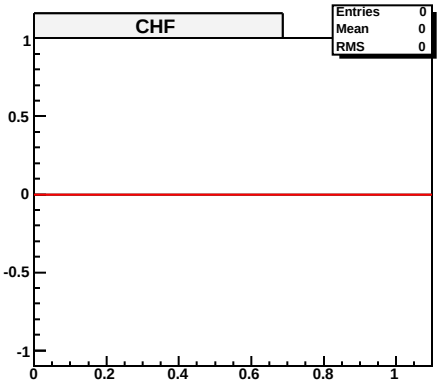
Jets (Cone R 0.7 (standard cuts, MET>30))

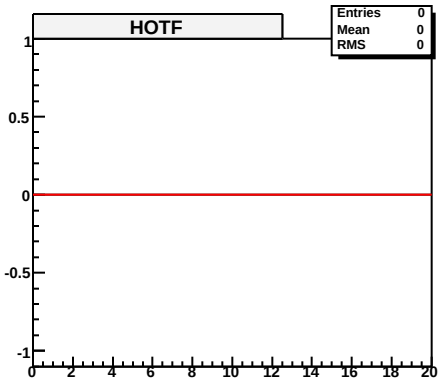


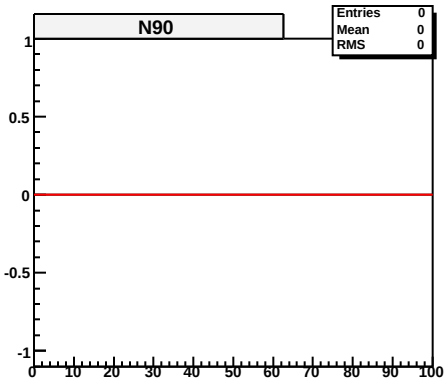


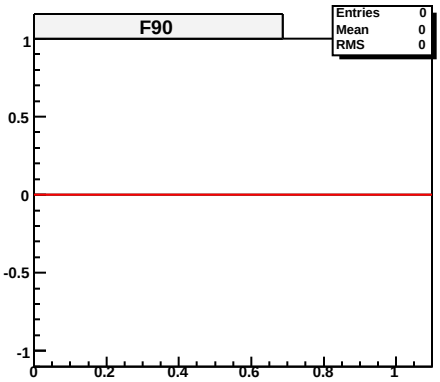


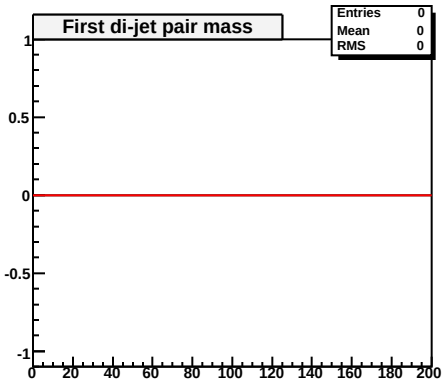


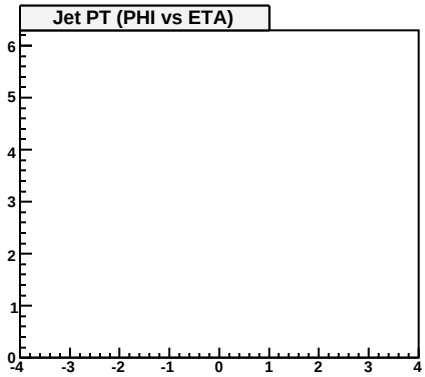




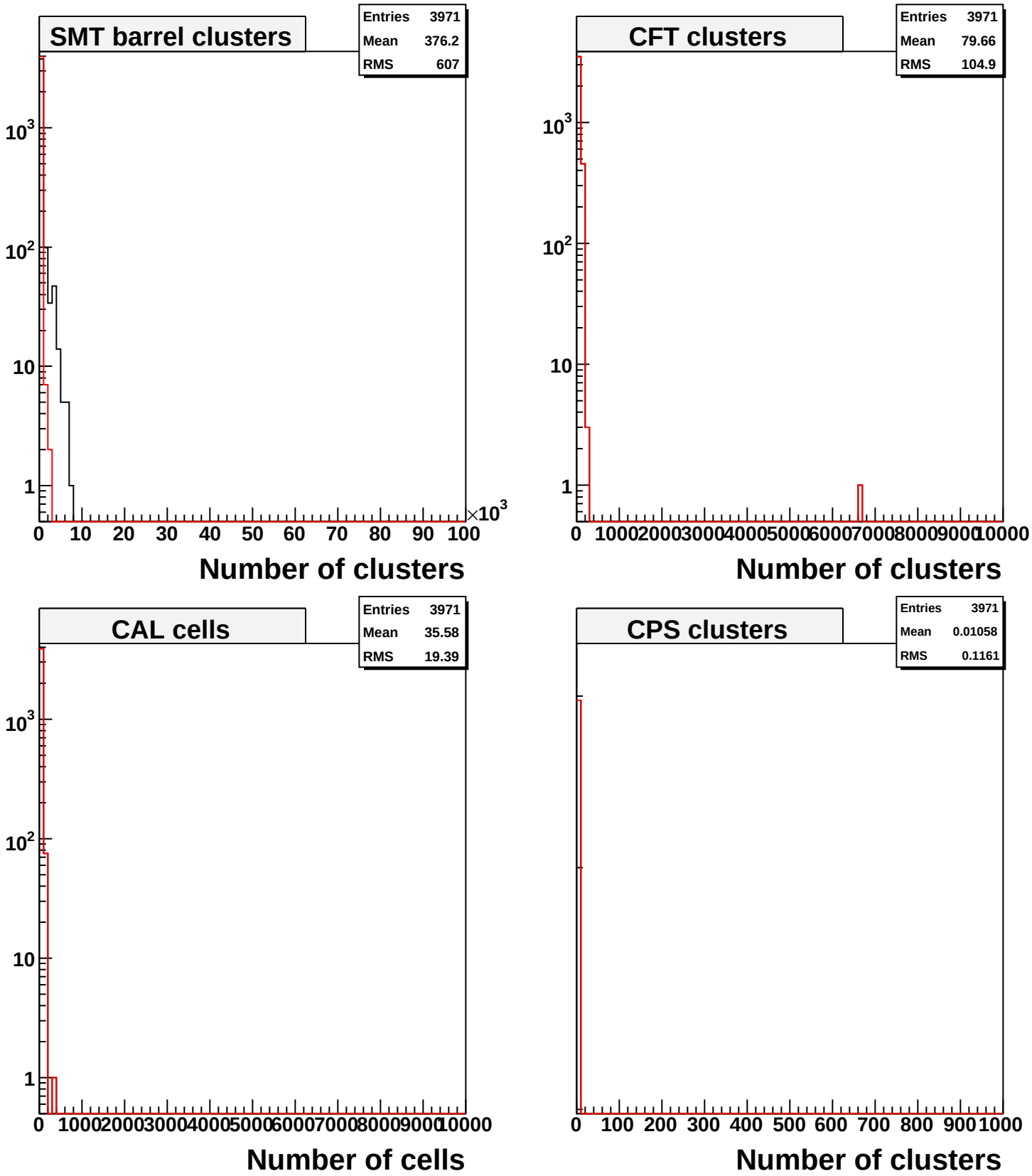




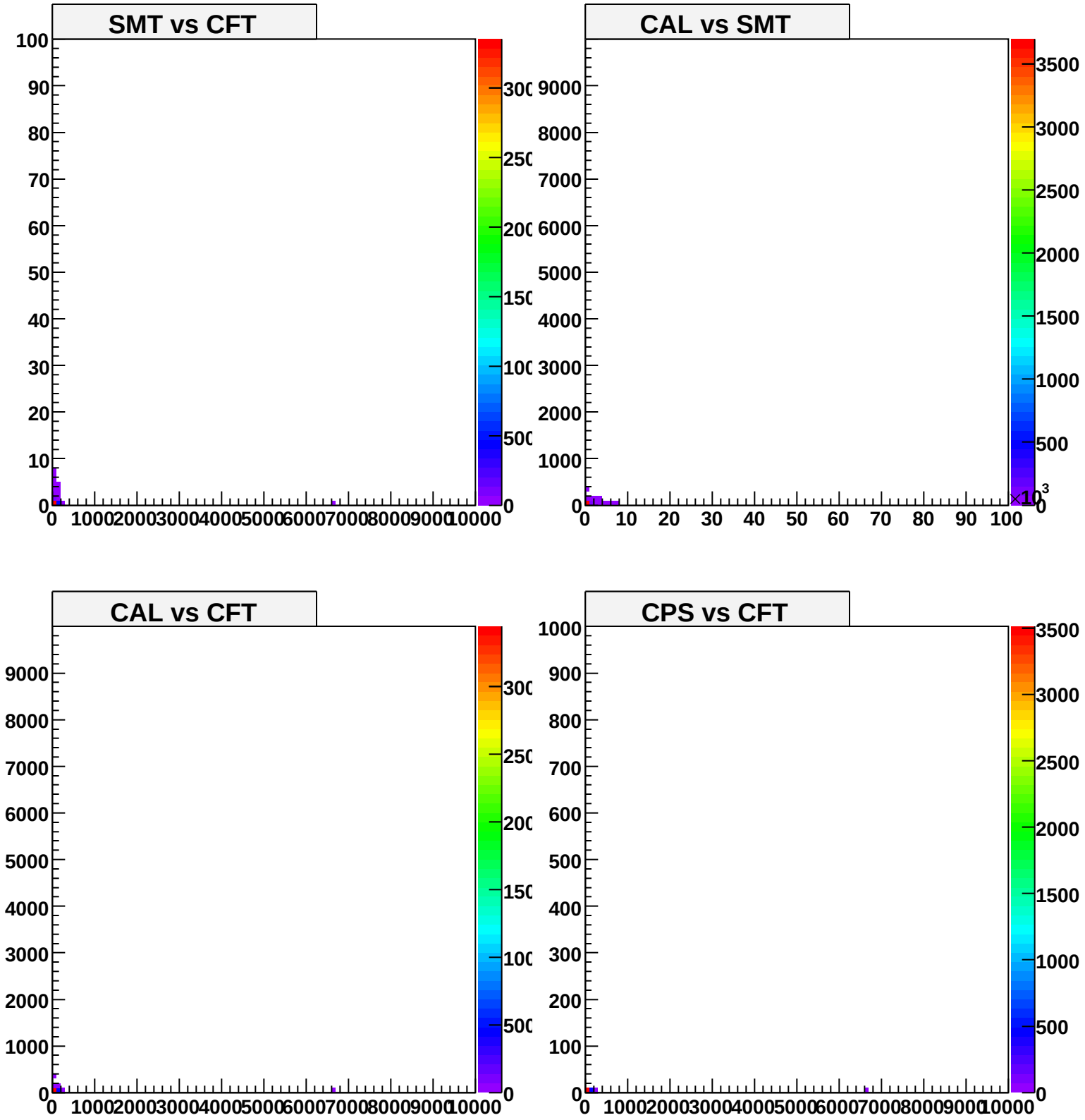


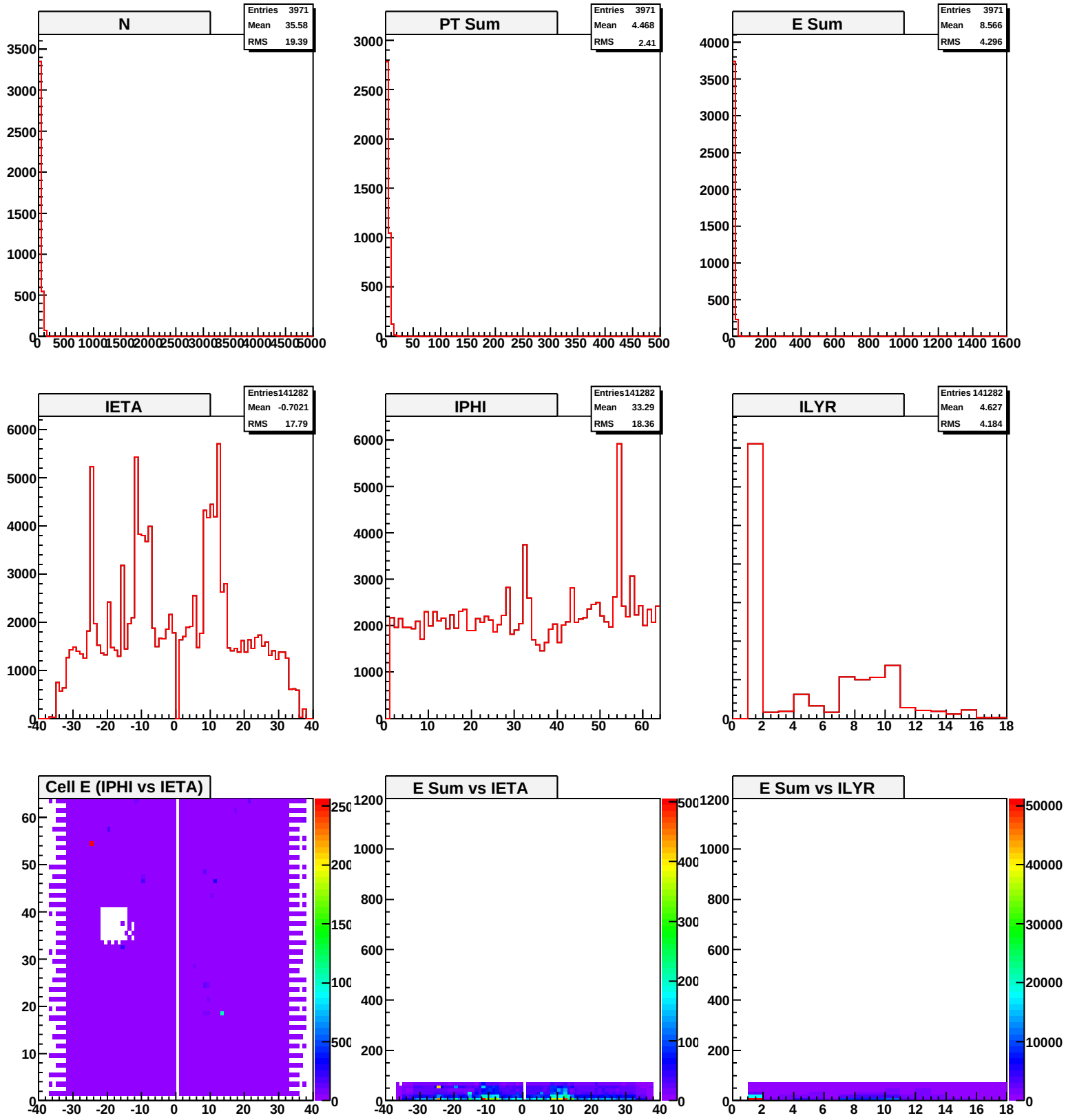


Jets (KT D 1 (standard cuts, MET>30))

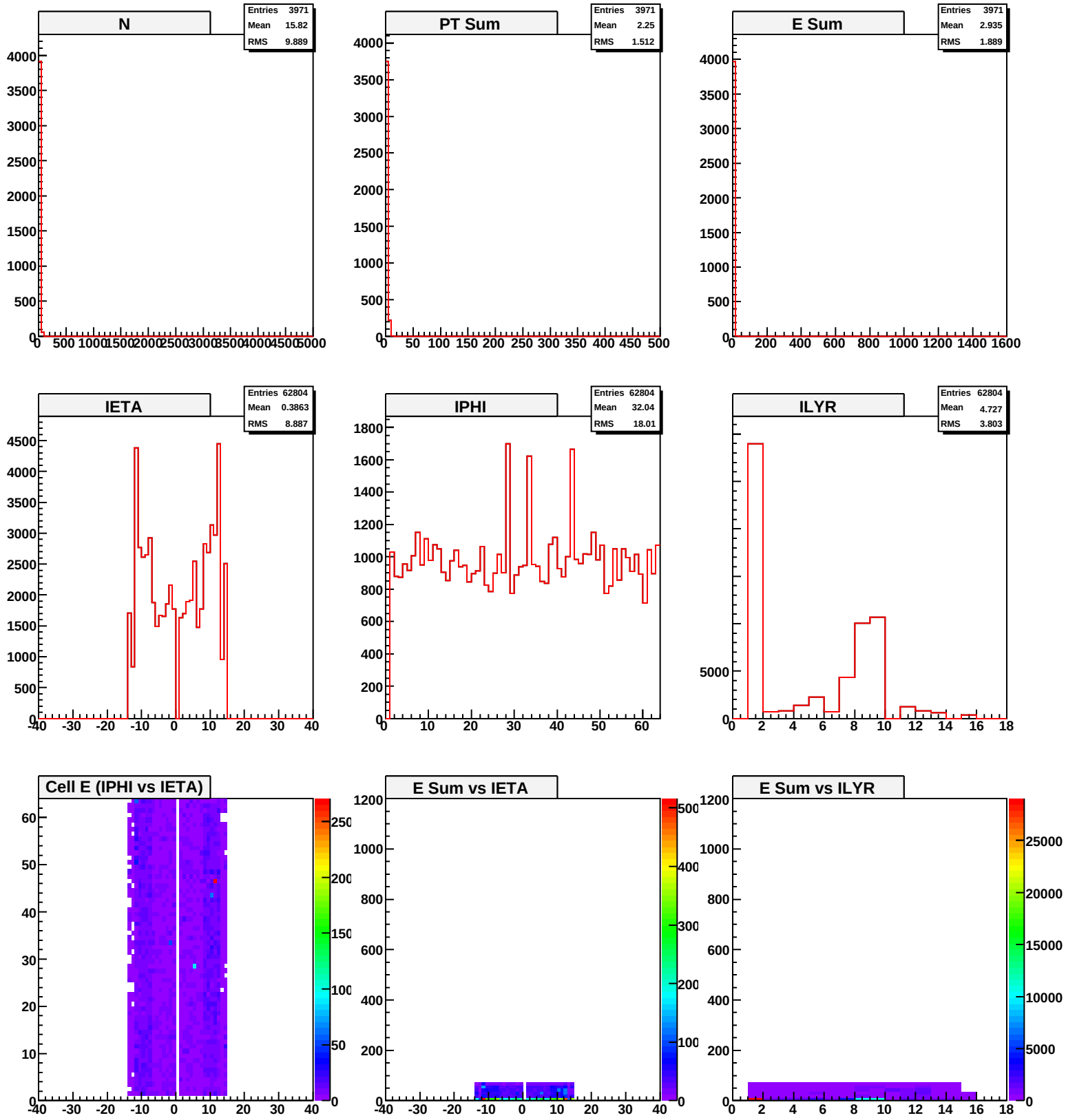


Detector Occupancy (Detector)

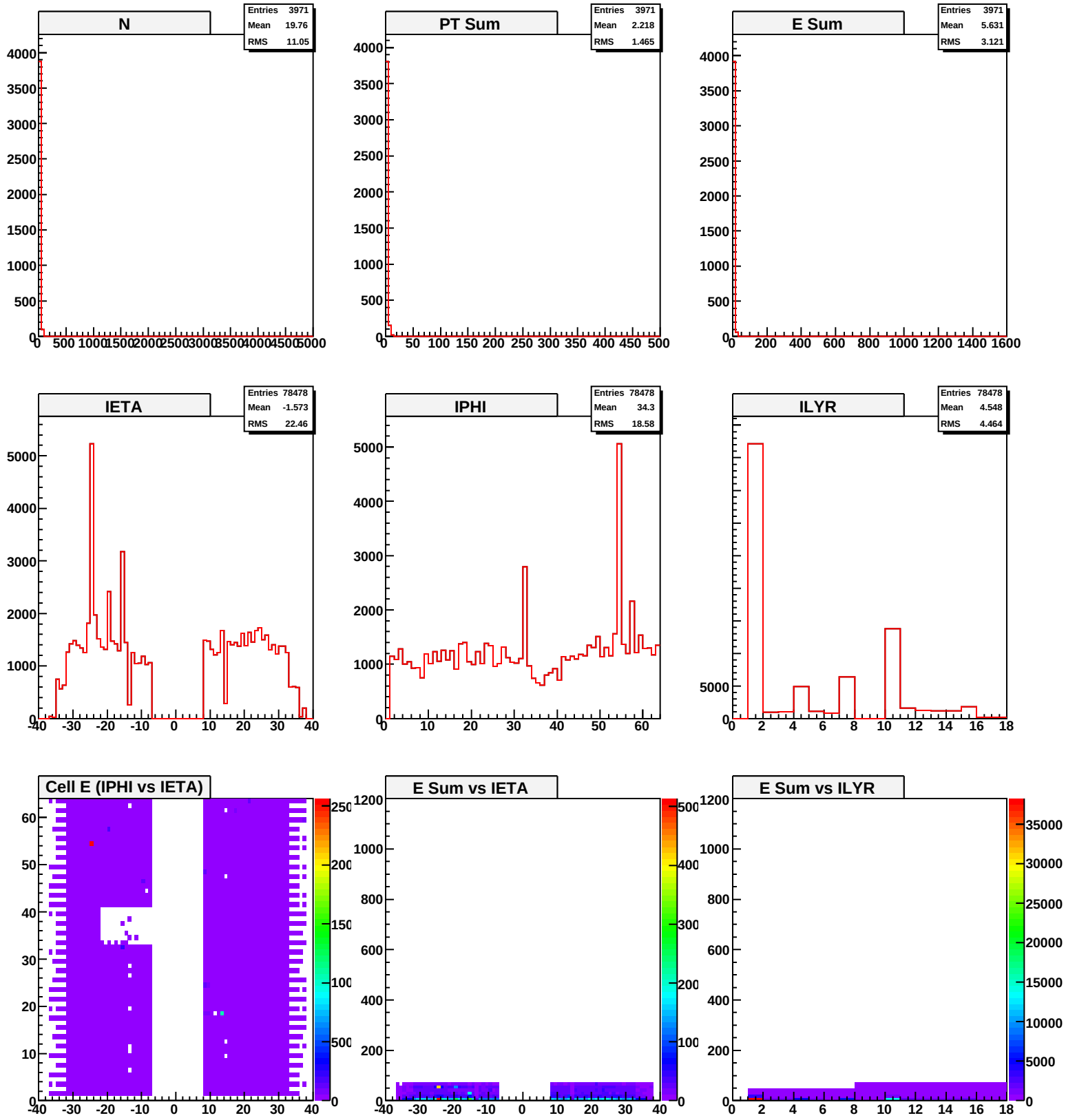

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)



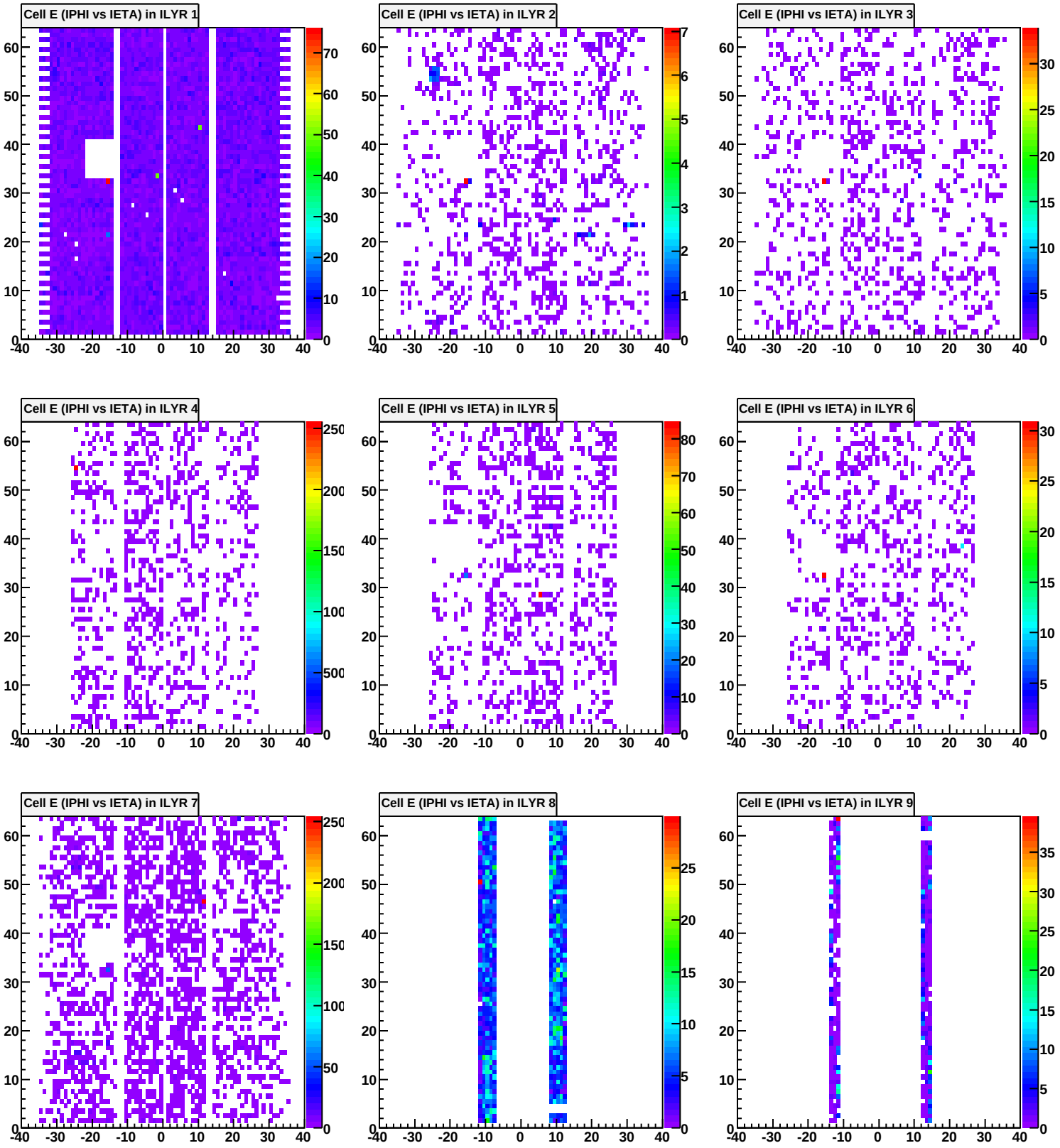
Calorimeter (All cells)



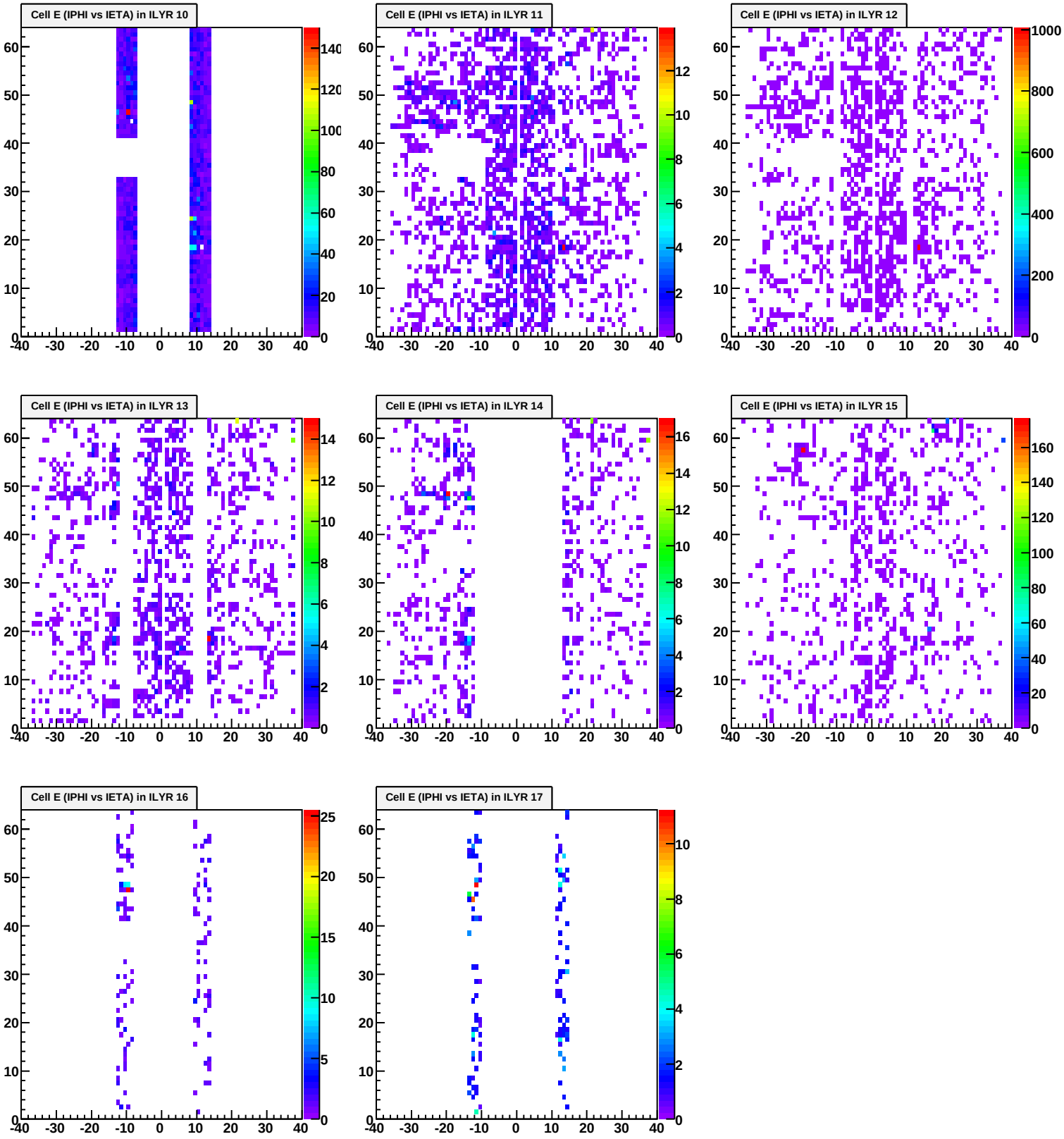
Calorimeter (All CC cells)



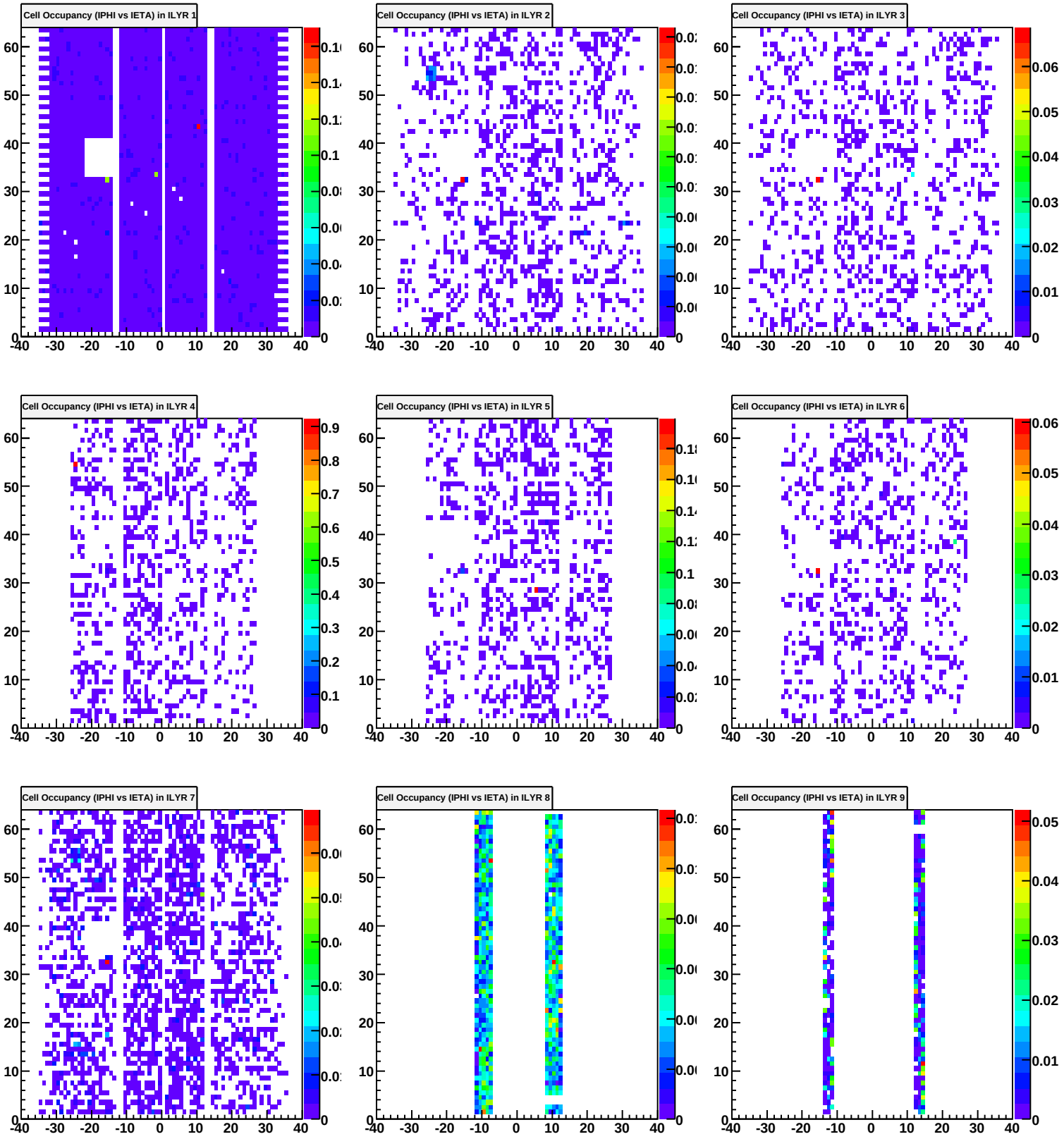
Calorimeter (All EC cells)



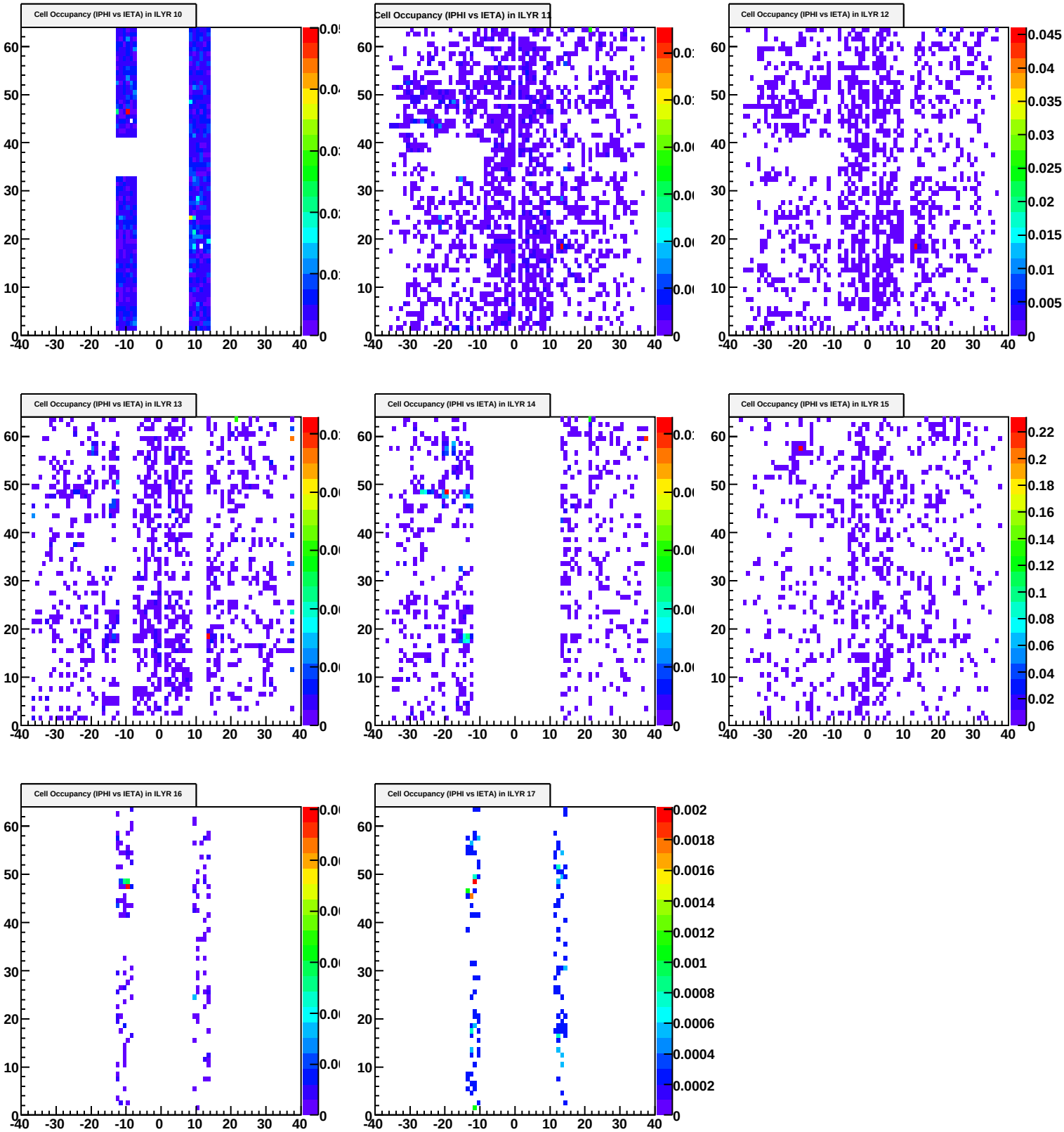
Calorimeter Cell Energy ILYR 1-9 (All cells)



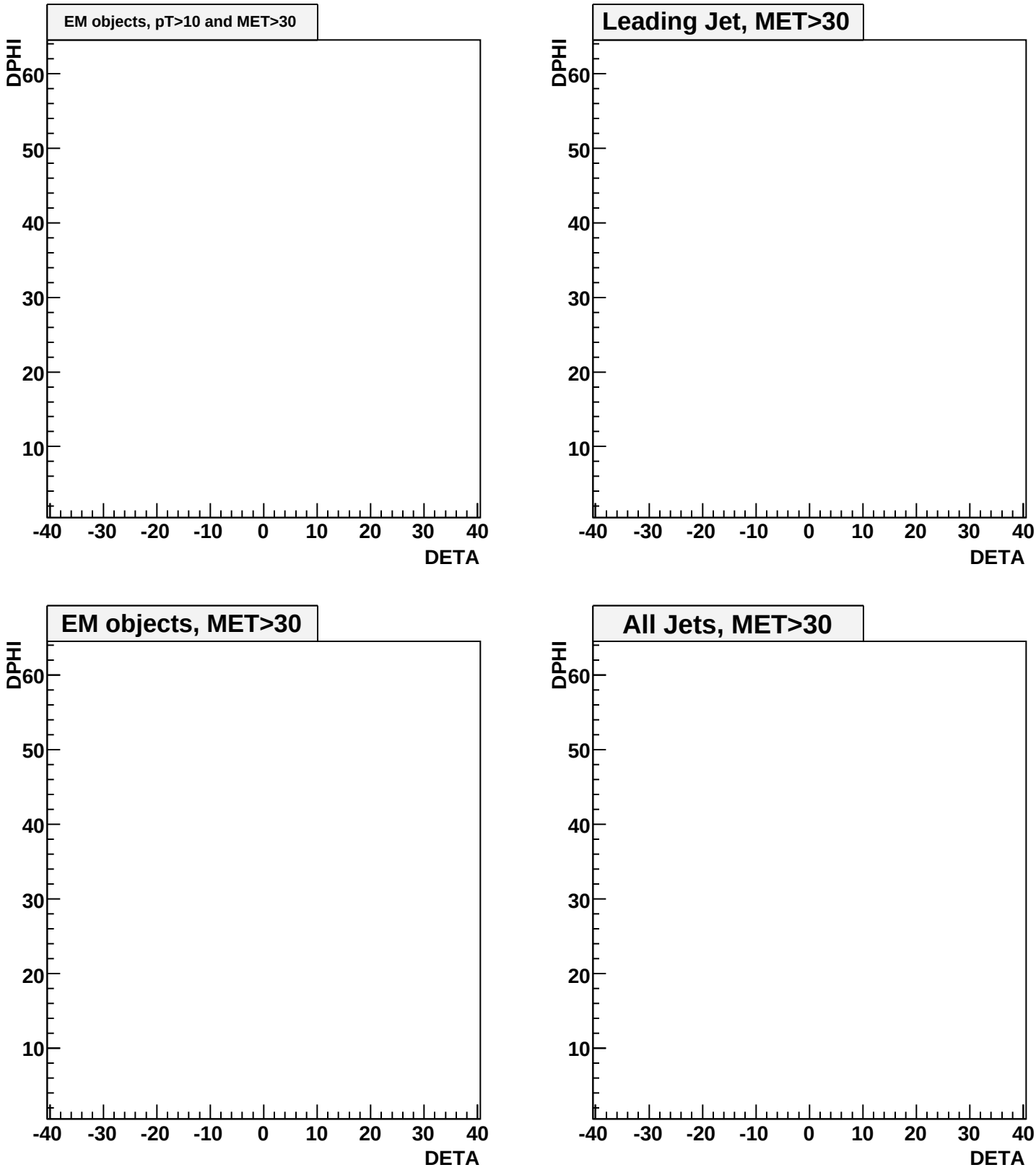
Calorimeter Cell Energy ILYR 10-17 (All cells)



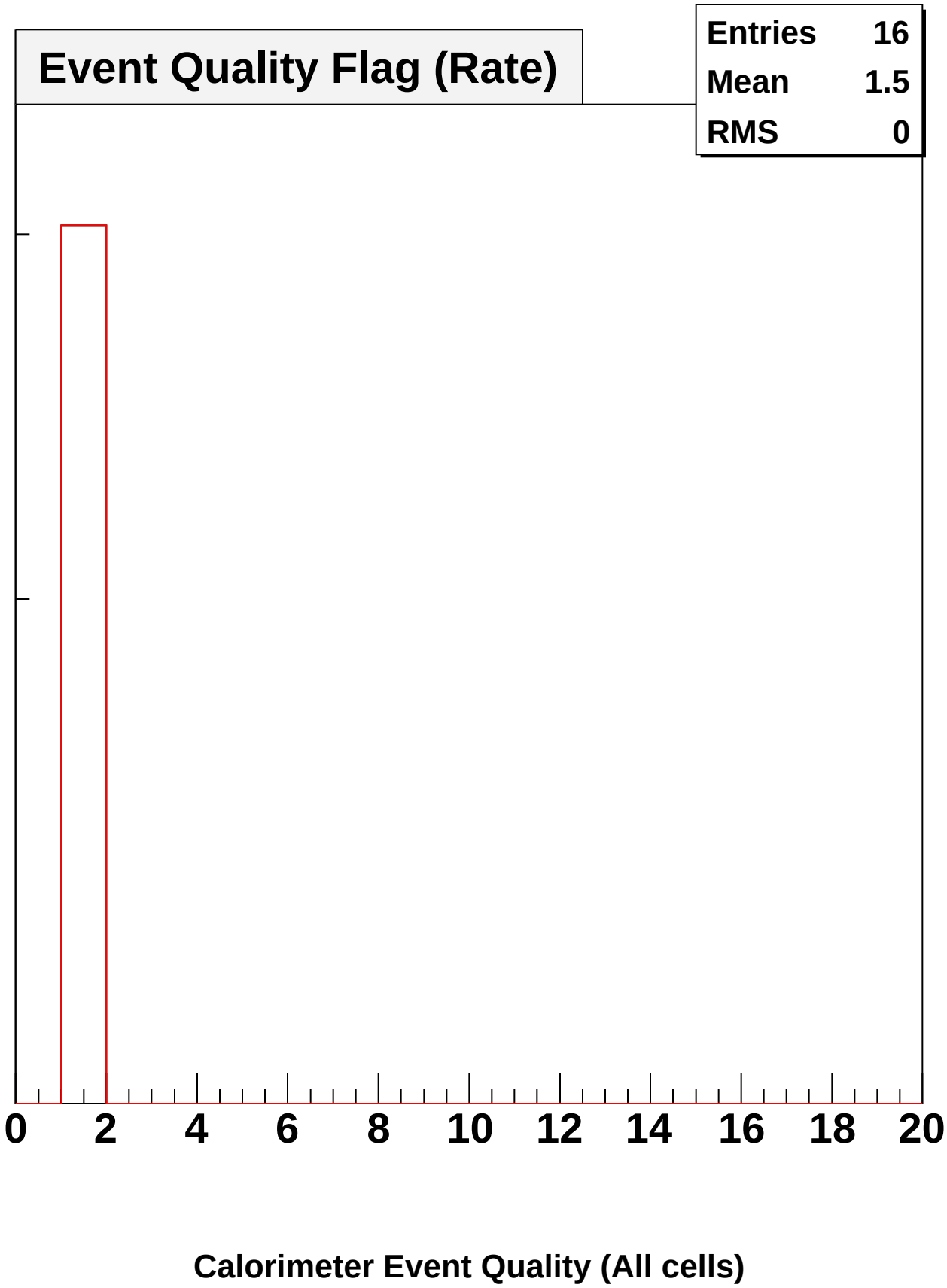
Calorimeter Occupancy ILYR 1-9 (All cells)

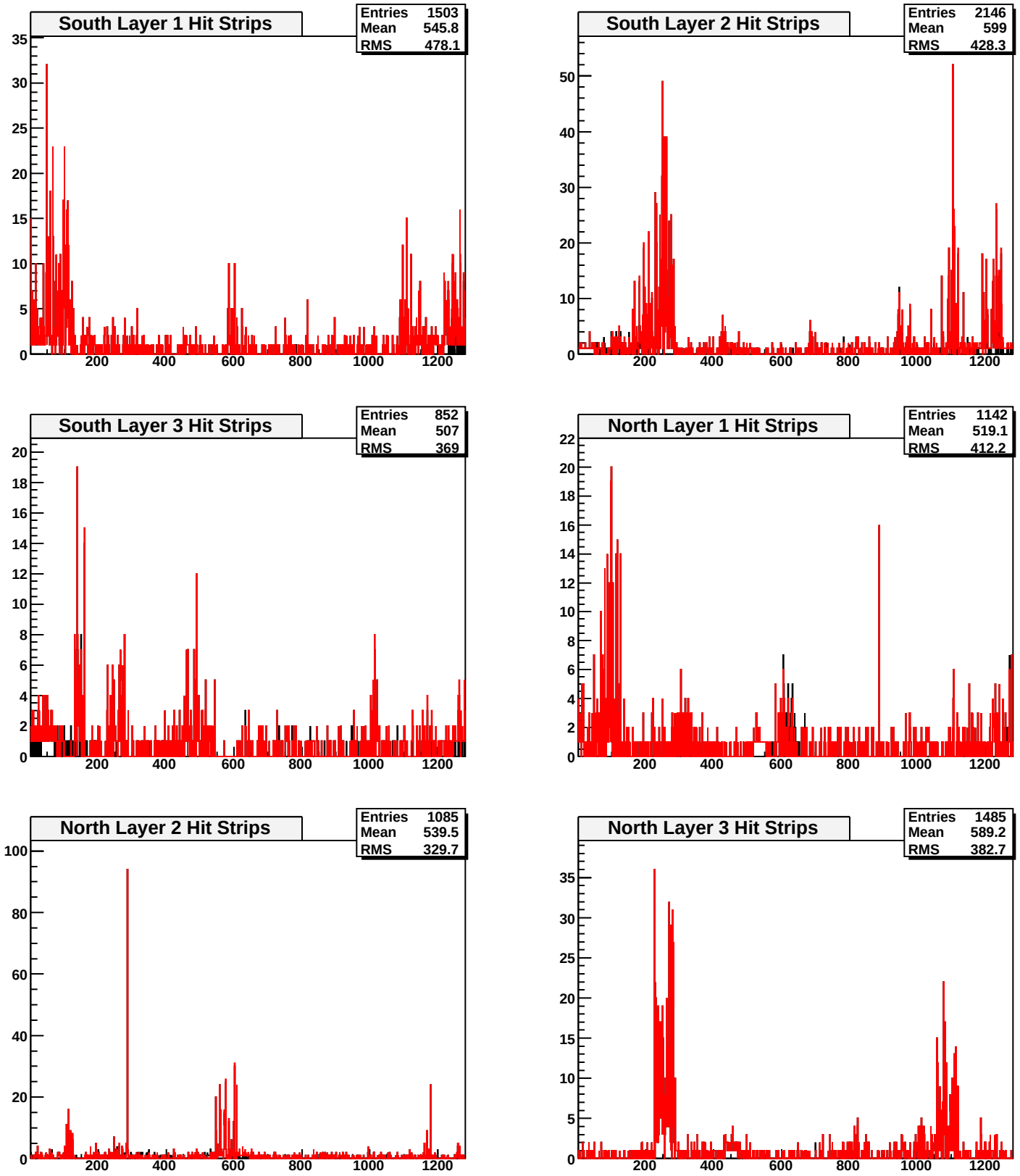


Calorimeter Occupancy ILYR 10-17 (All cells)

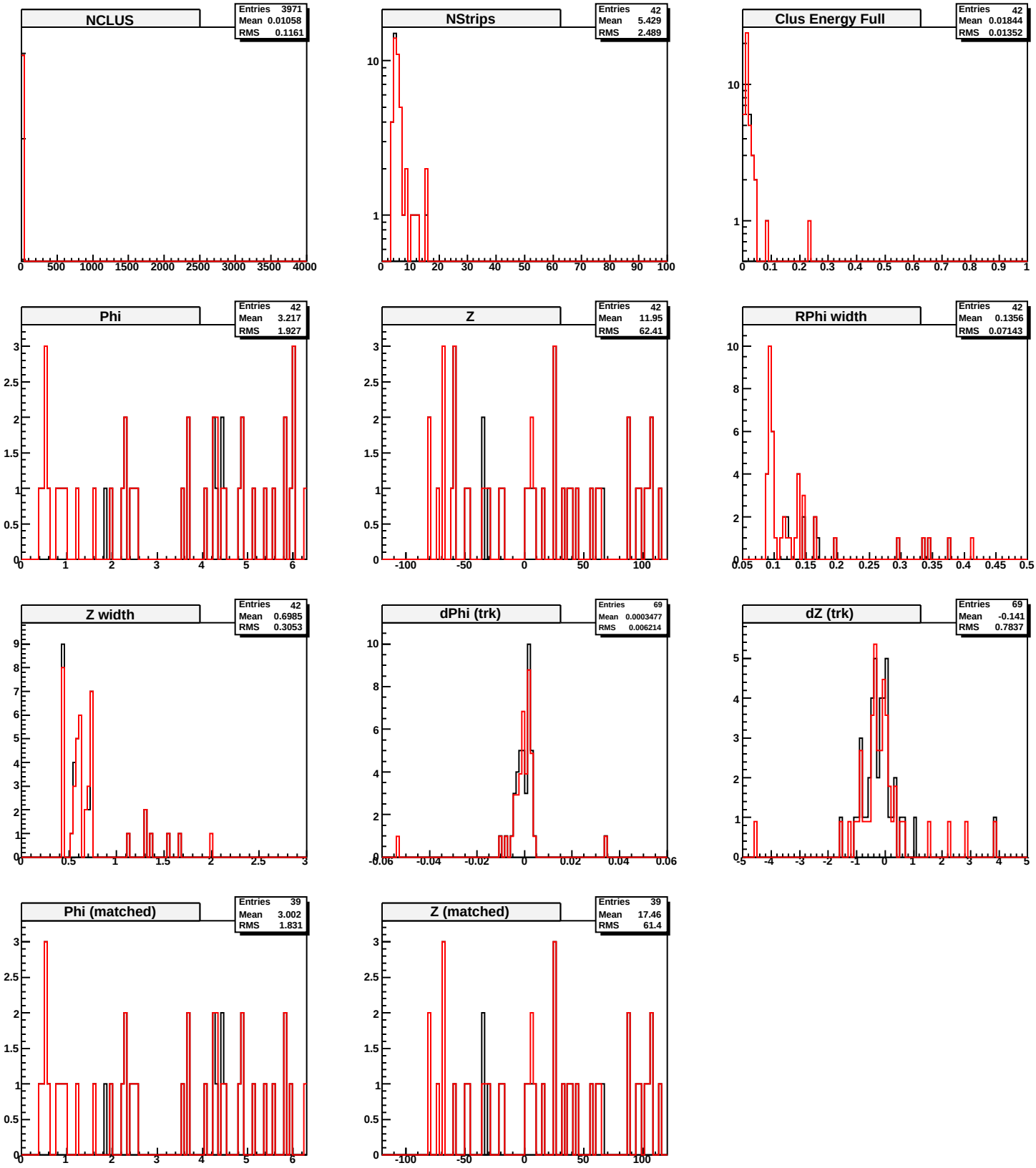


Cal Objects with MET>30 (All cells)

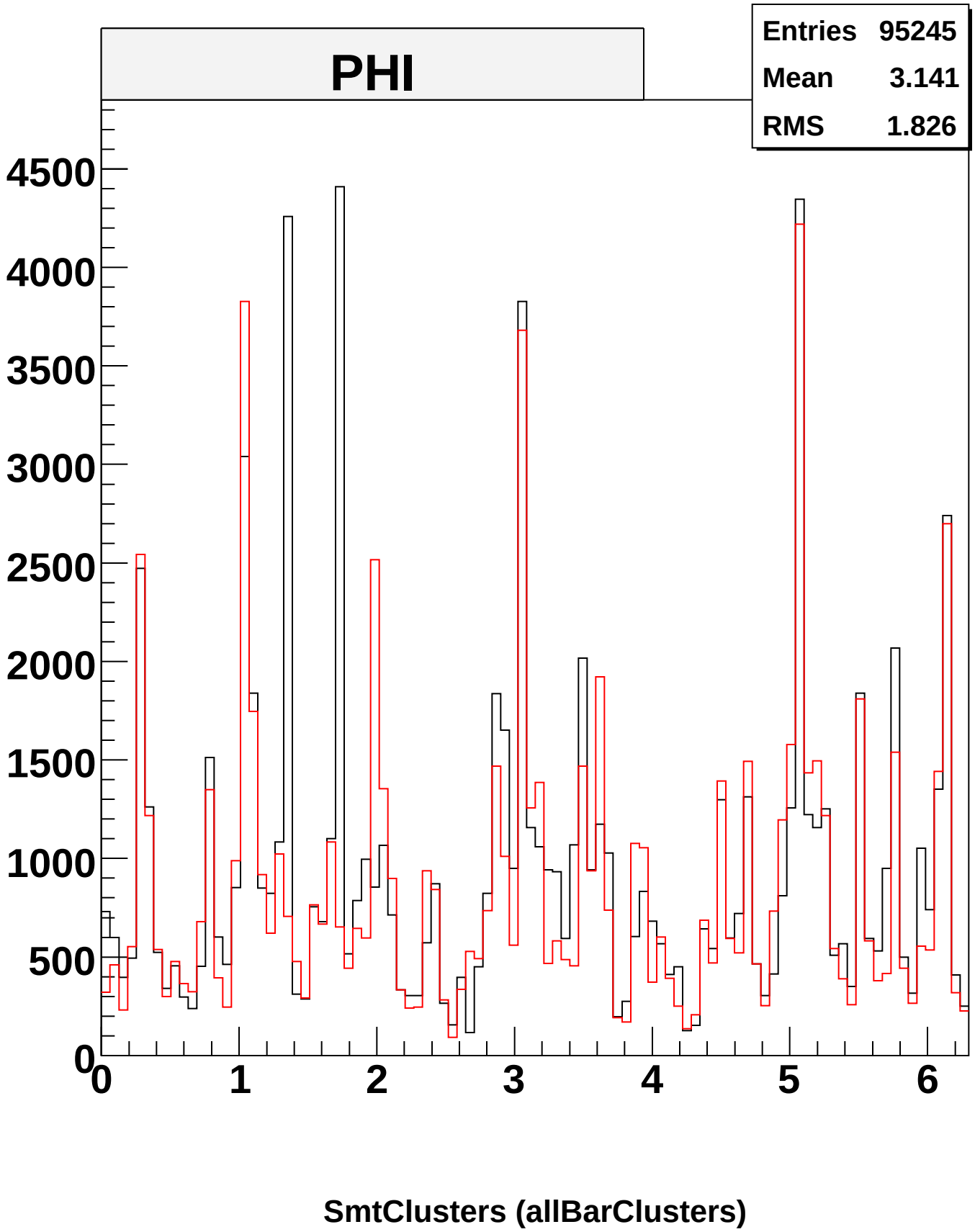

Event Quality Flag (Rate)
Entries 16
Mean 1.5
RMS 0
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

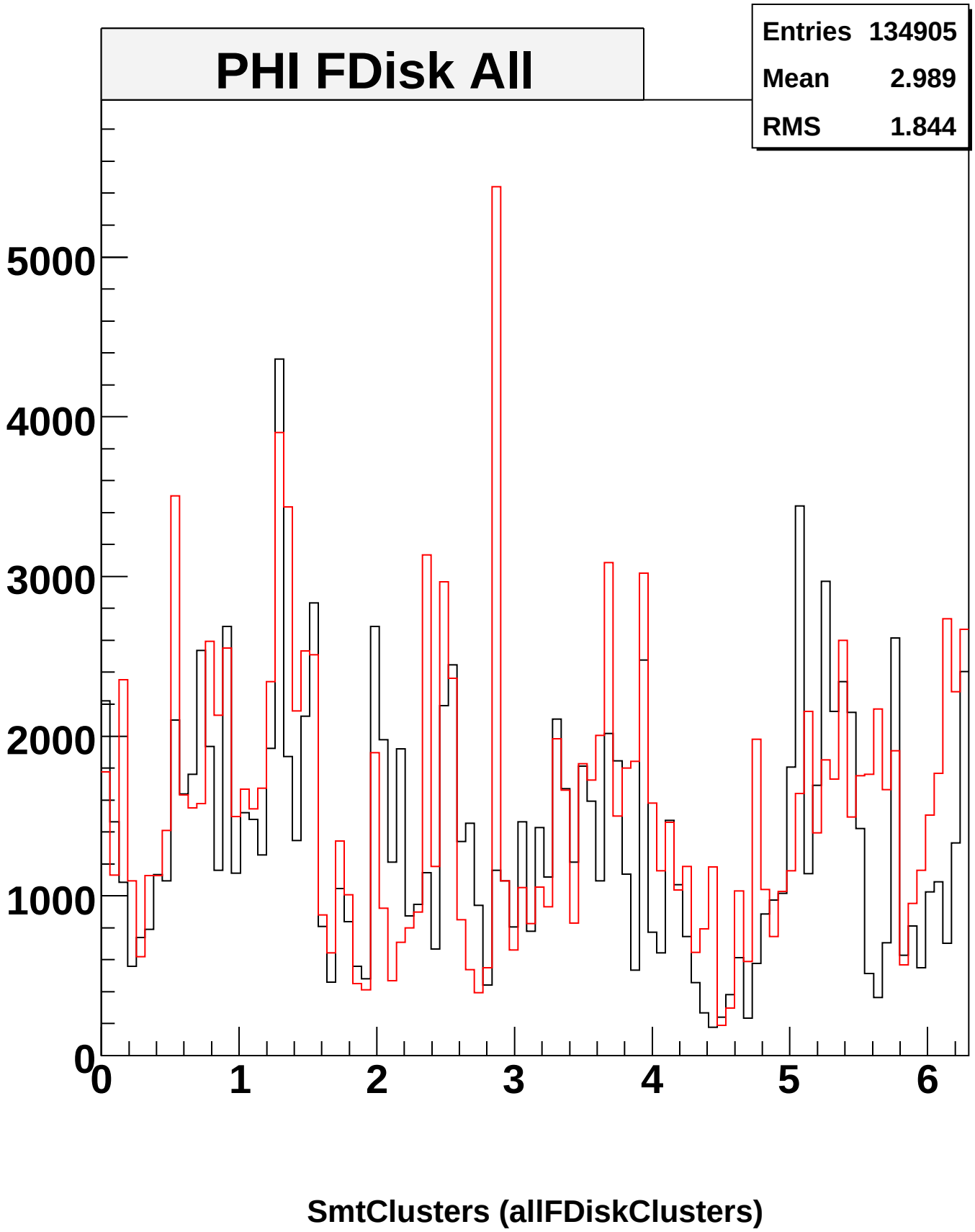


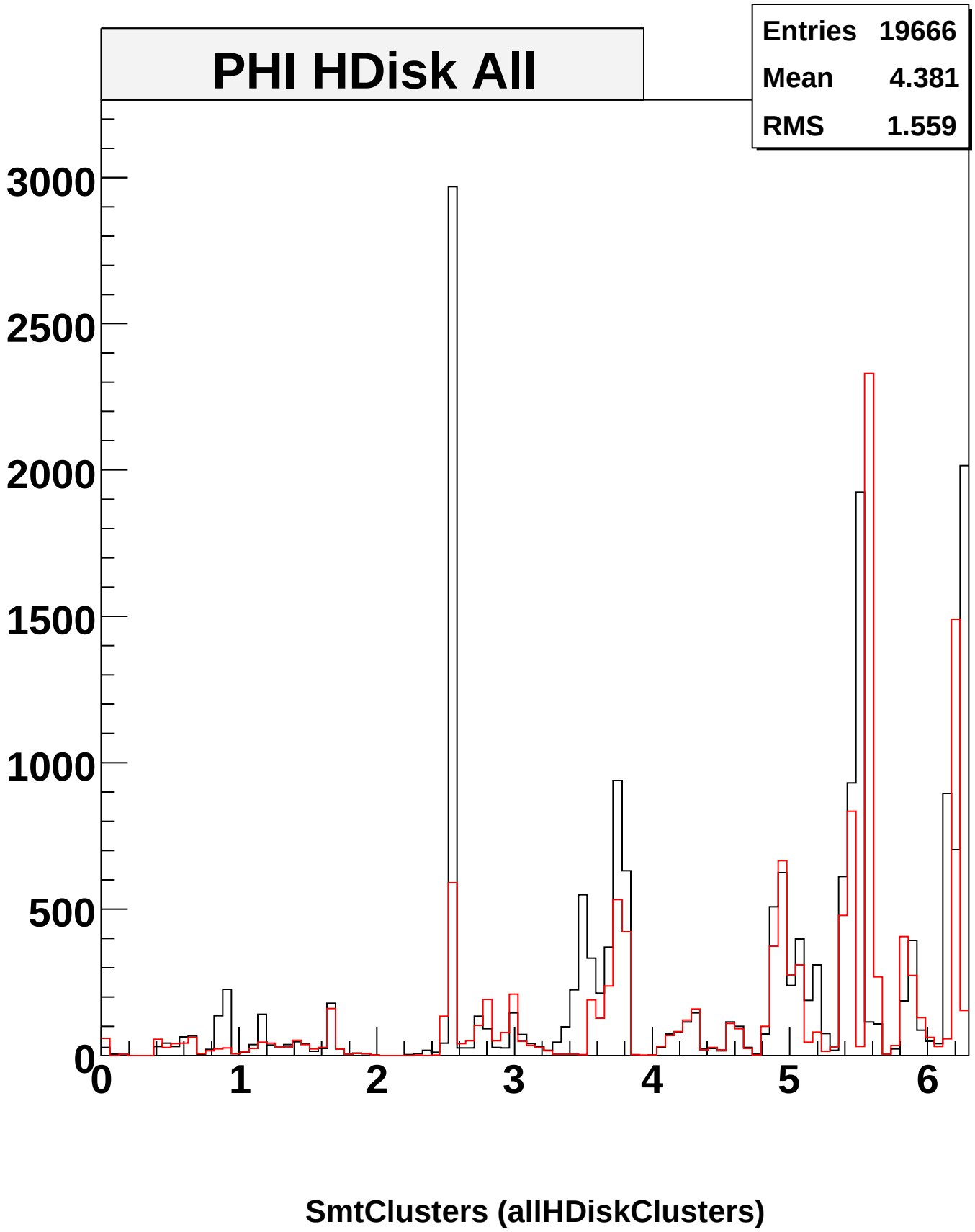
CPS Hit Strips (All Clusters)



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
5000
4000
3000
2000
1000
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 19666
Mean 4.381
RMS 1.559
3000
2500
2000
1500
1000
500
0
0
1
2
3
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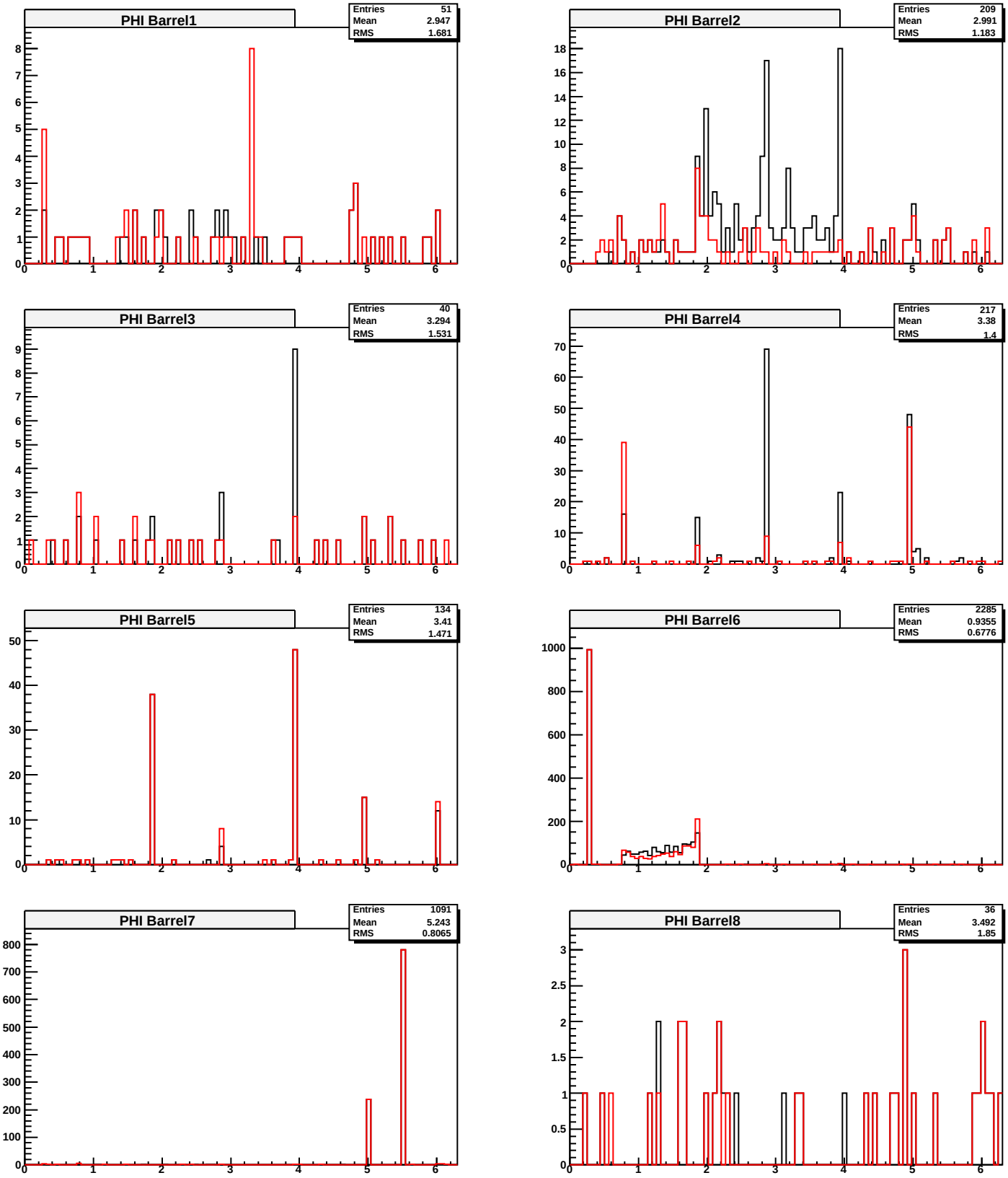
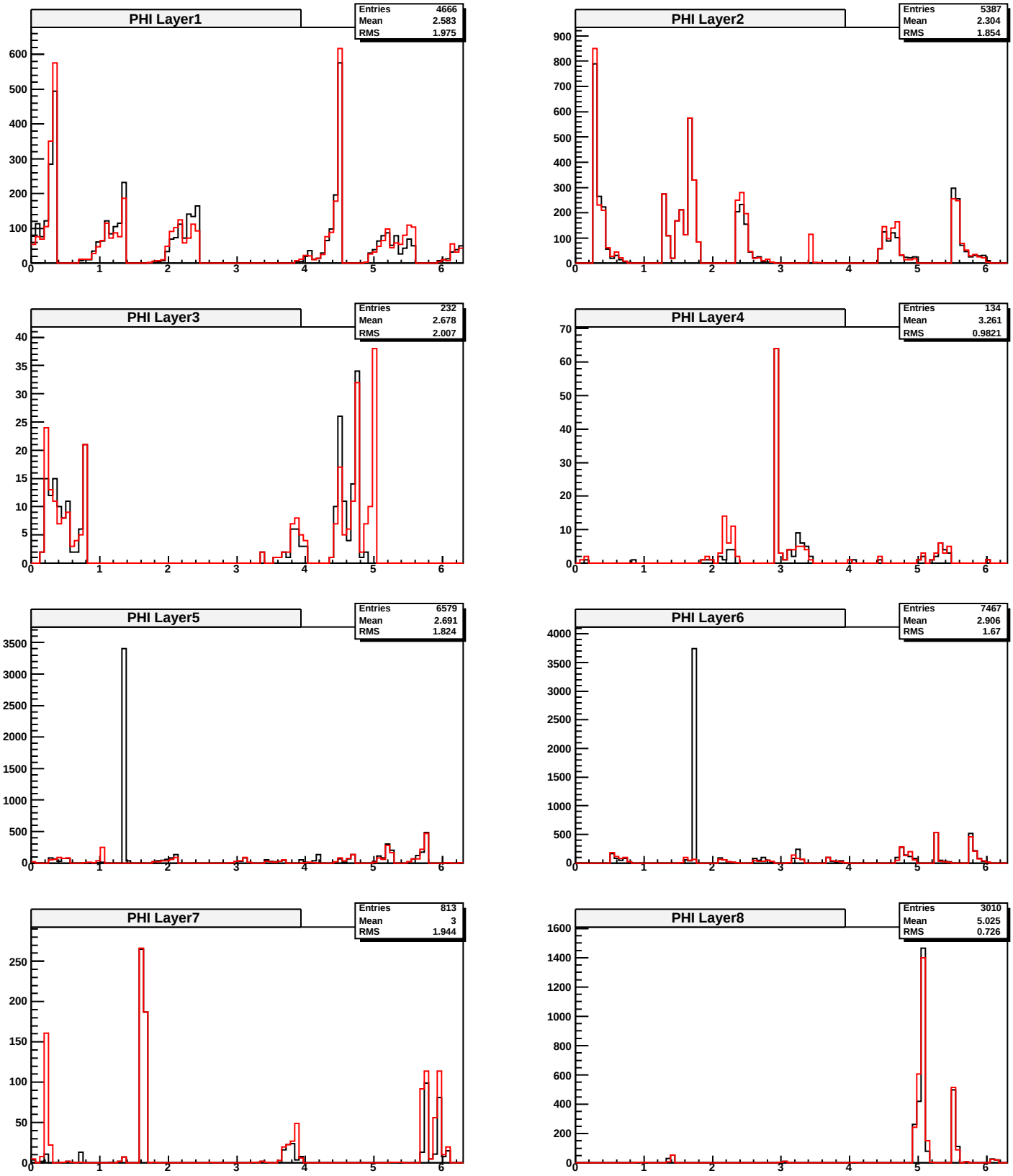
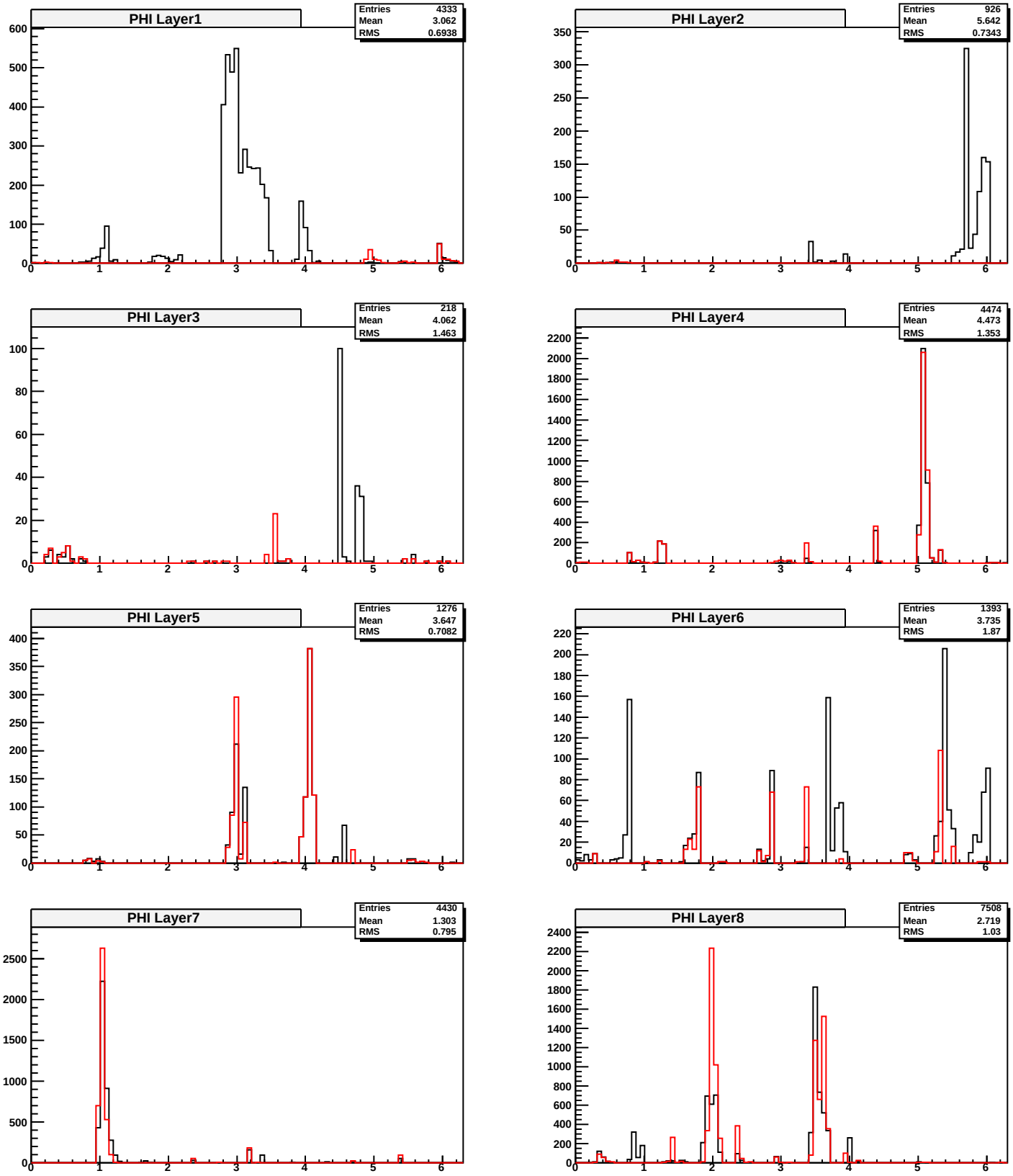
5
6
SmtClusters (allHDiskClusters)



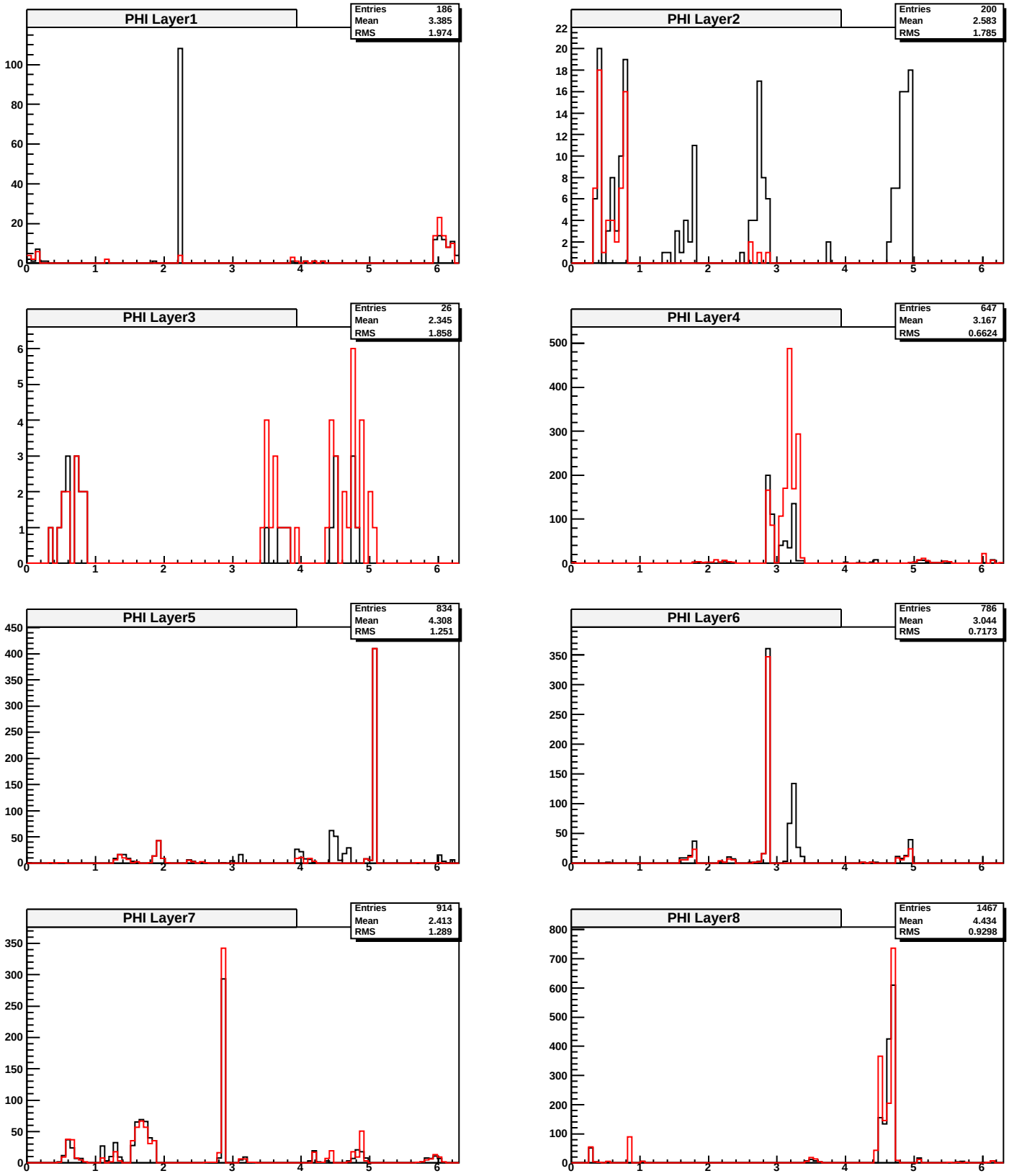
SmtClusters (ClustrLayer0)



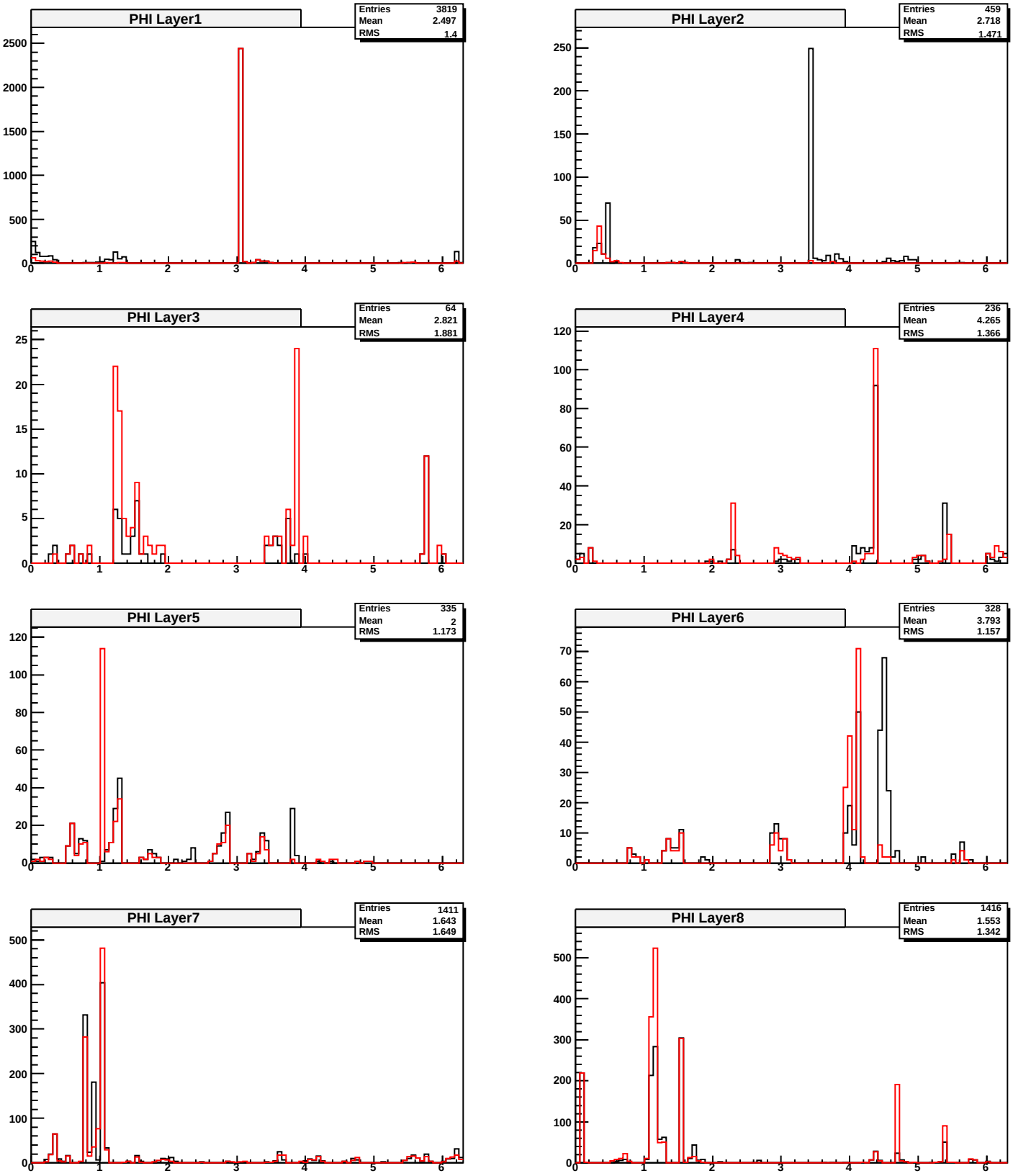
SmtClusters (ClustrBar1)



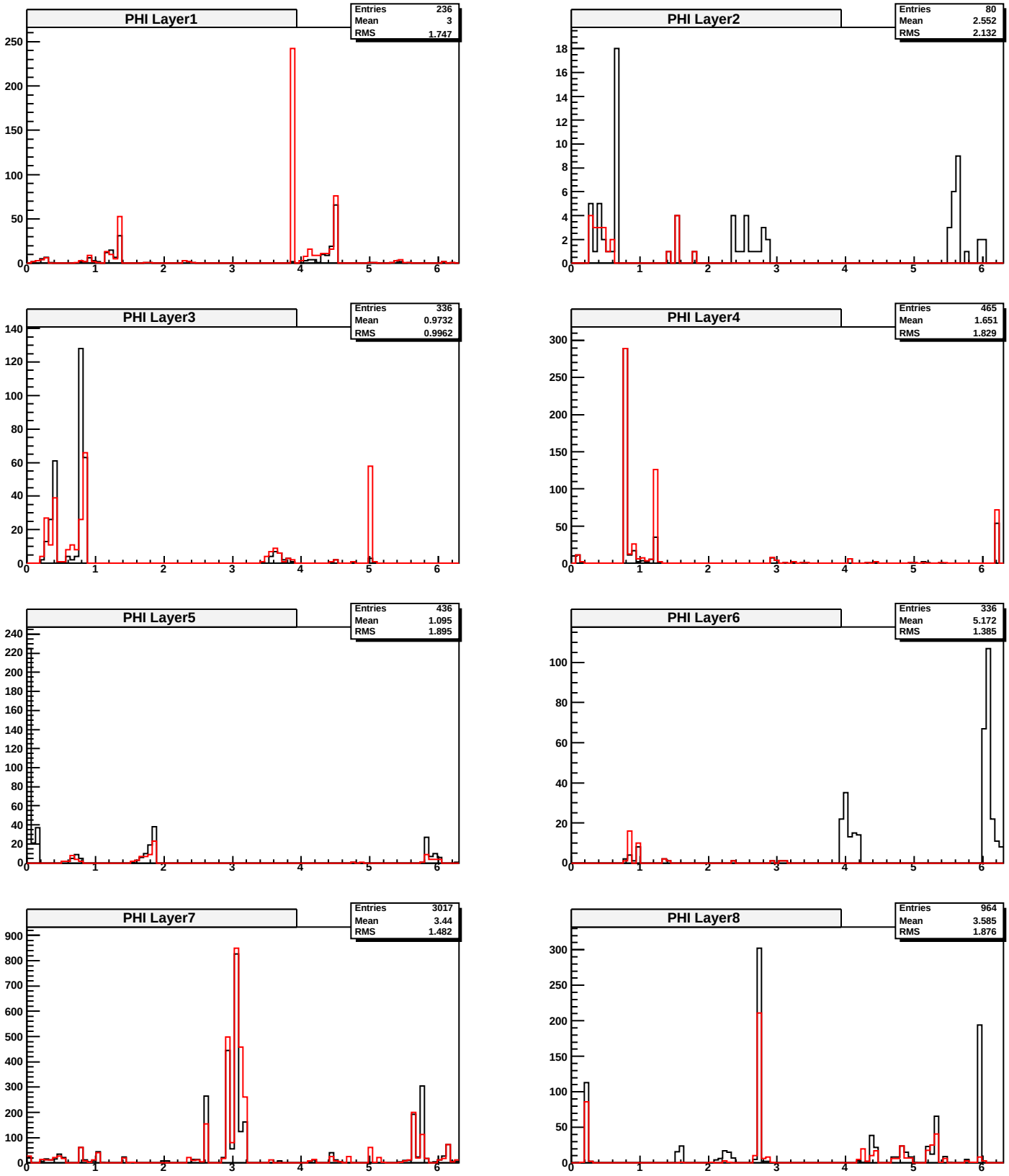
SmtClusters (ClustrBar2)



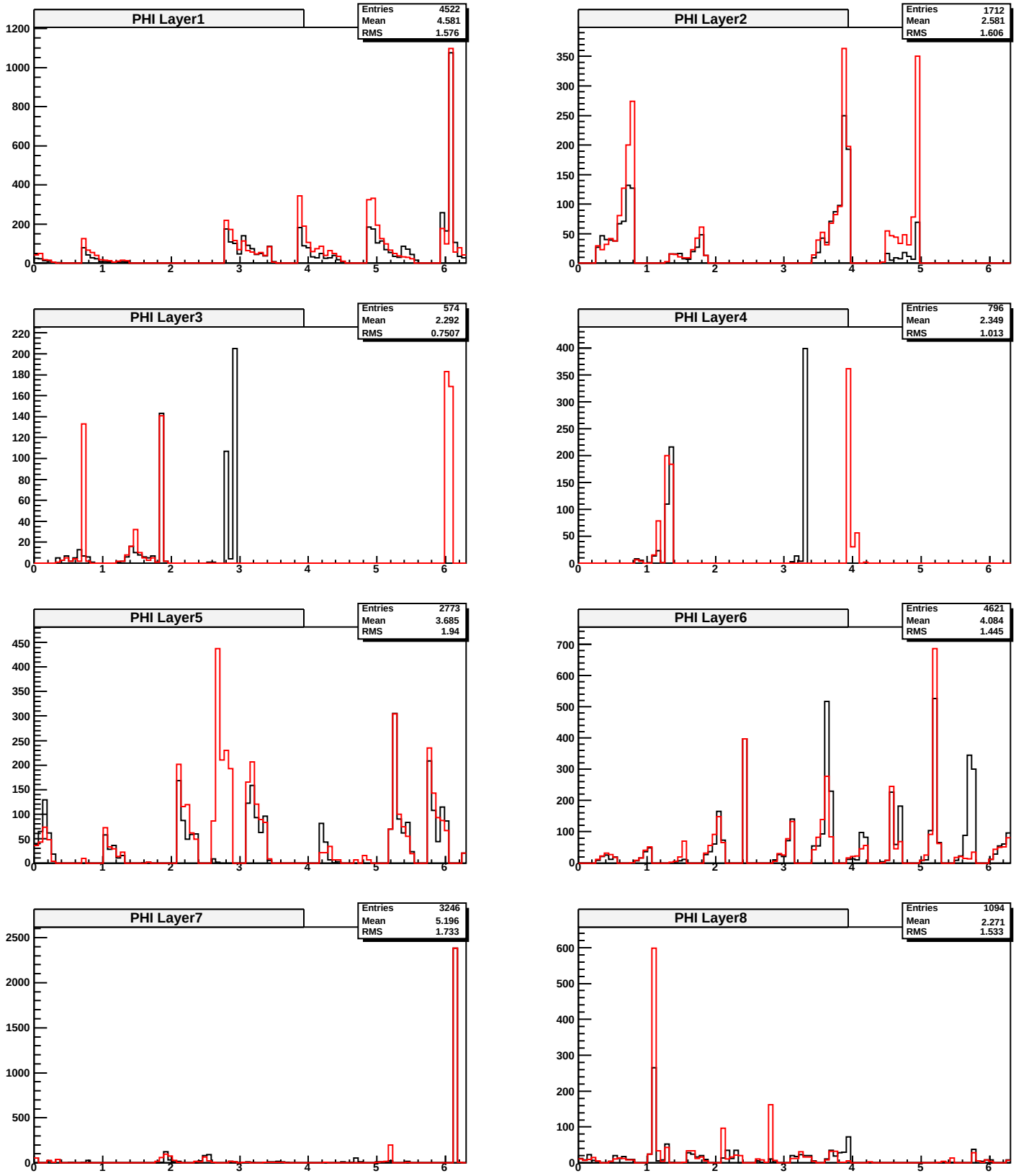
SmtClusters (ClustrBar3)



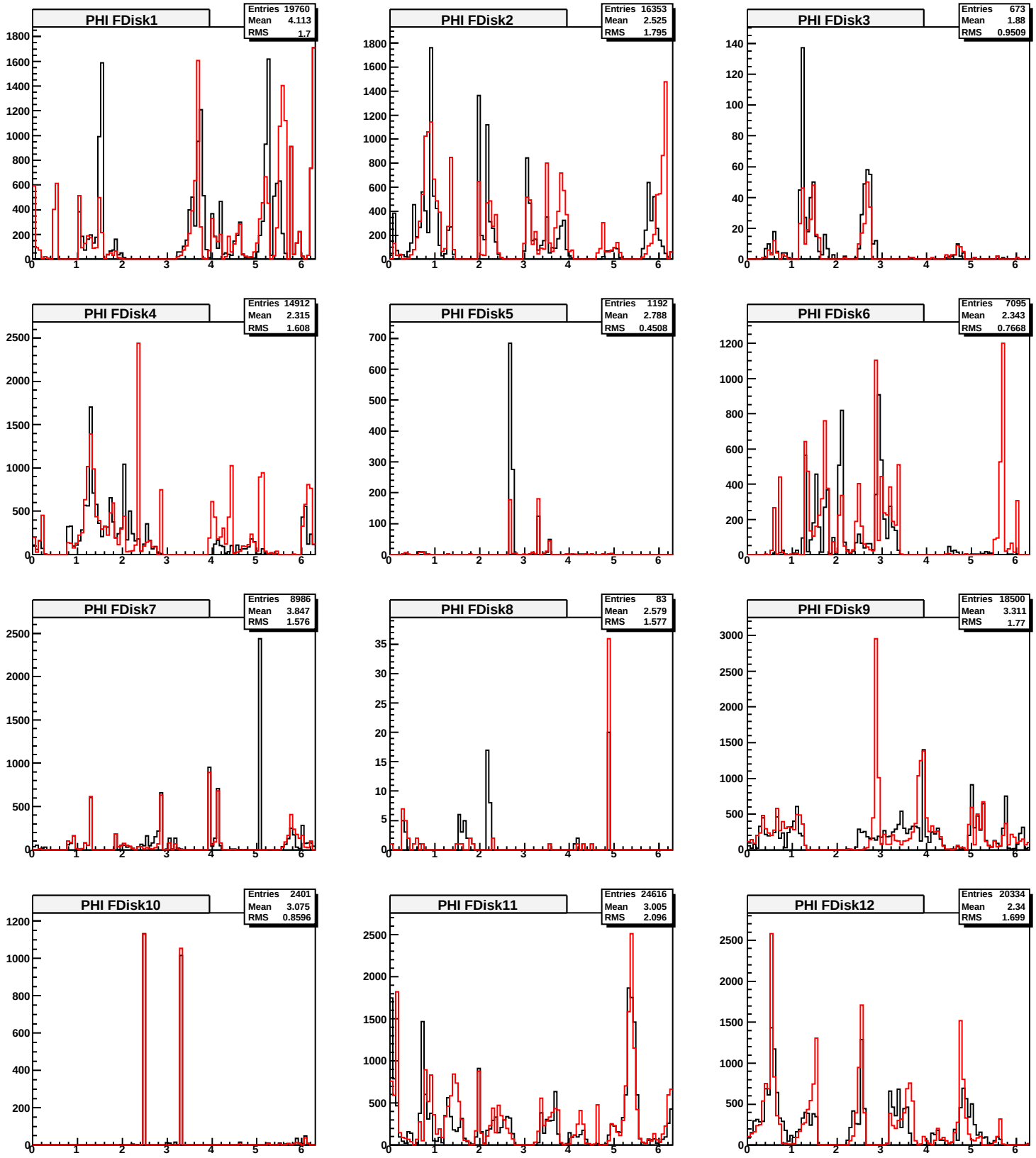
SmtClusters (ClustrBar4)



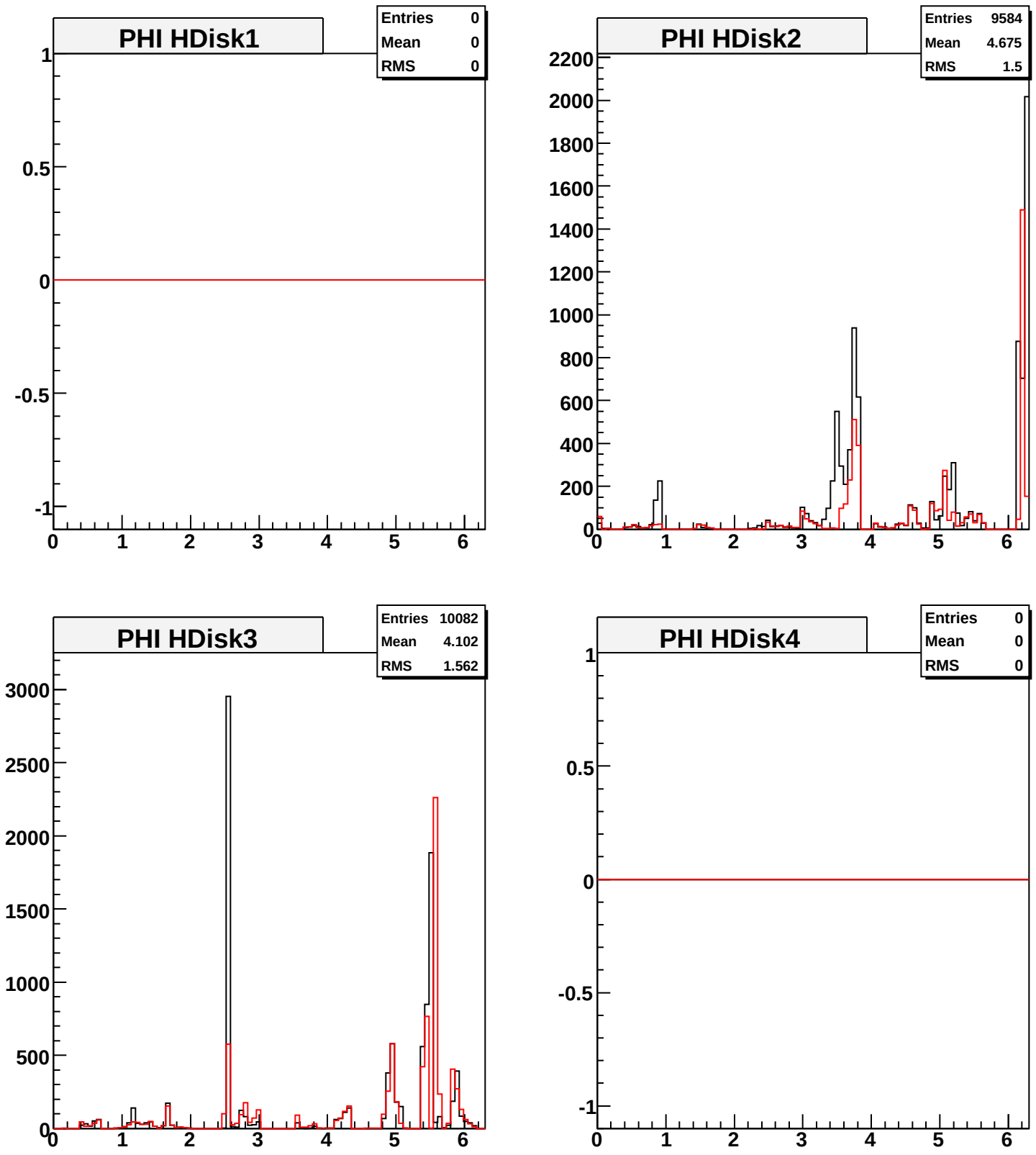
SmtClusters (ClustrBar5)



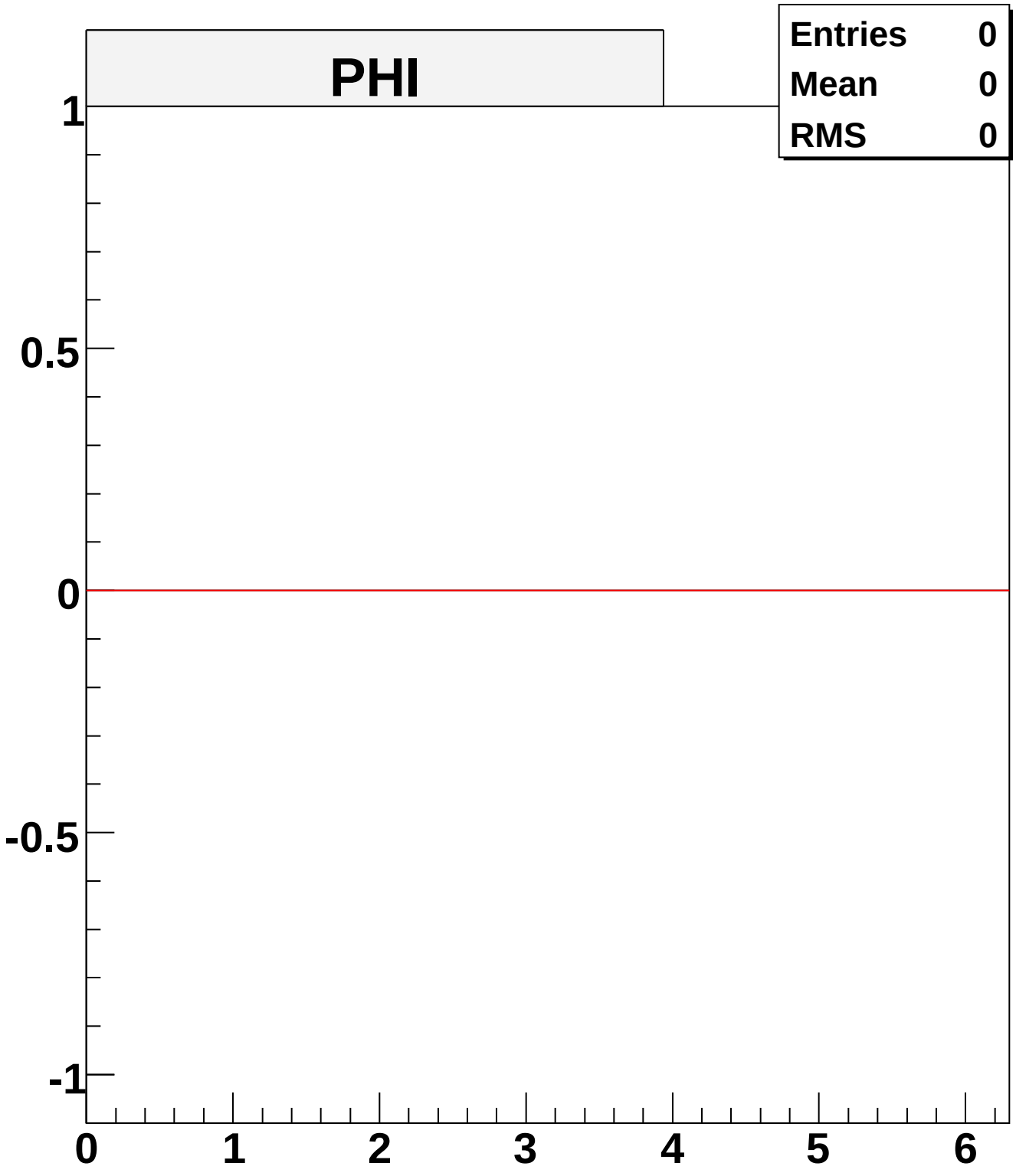
SmtClusters (ClustrBar6)



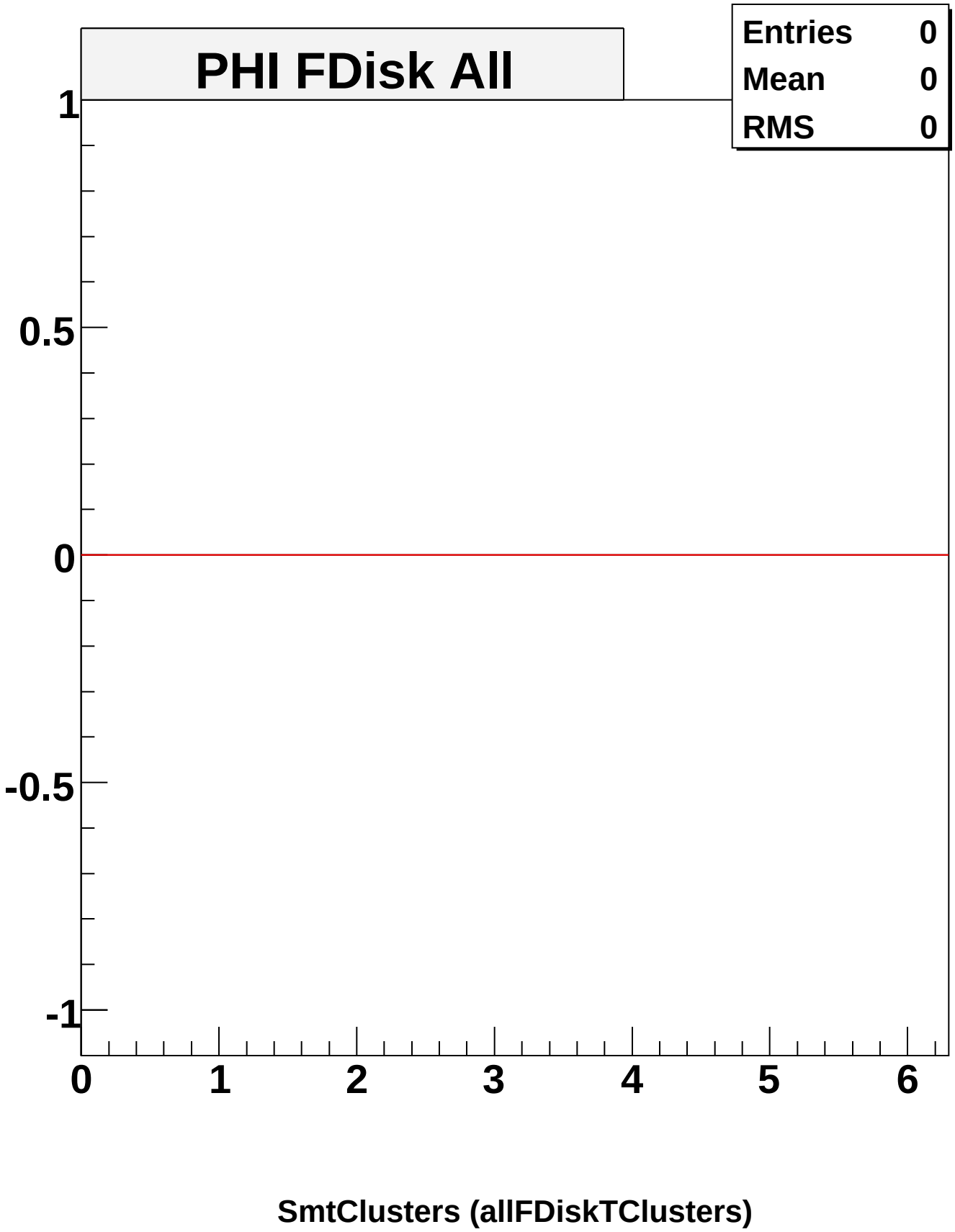
SmtClusters (FDiskClusters)

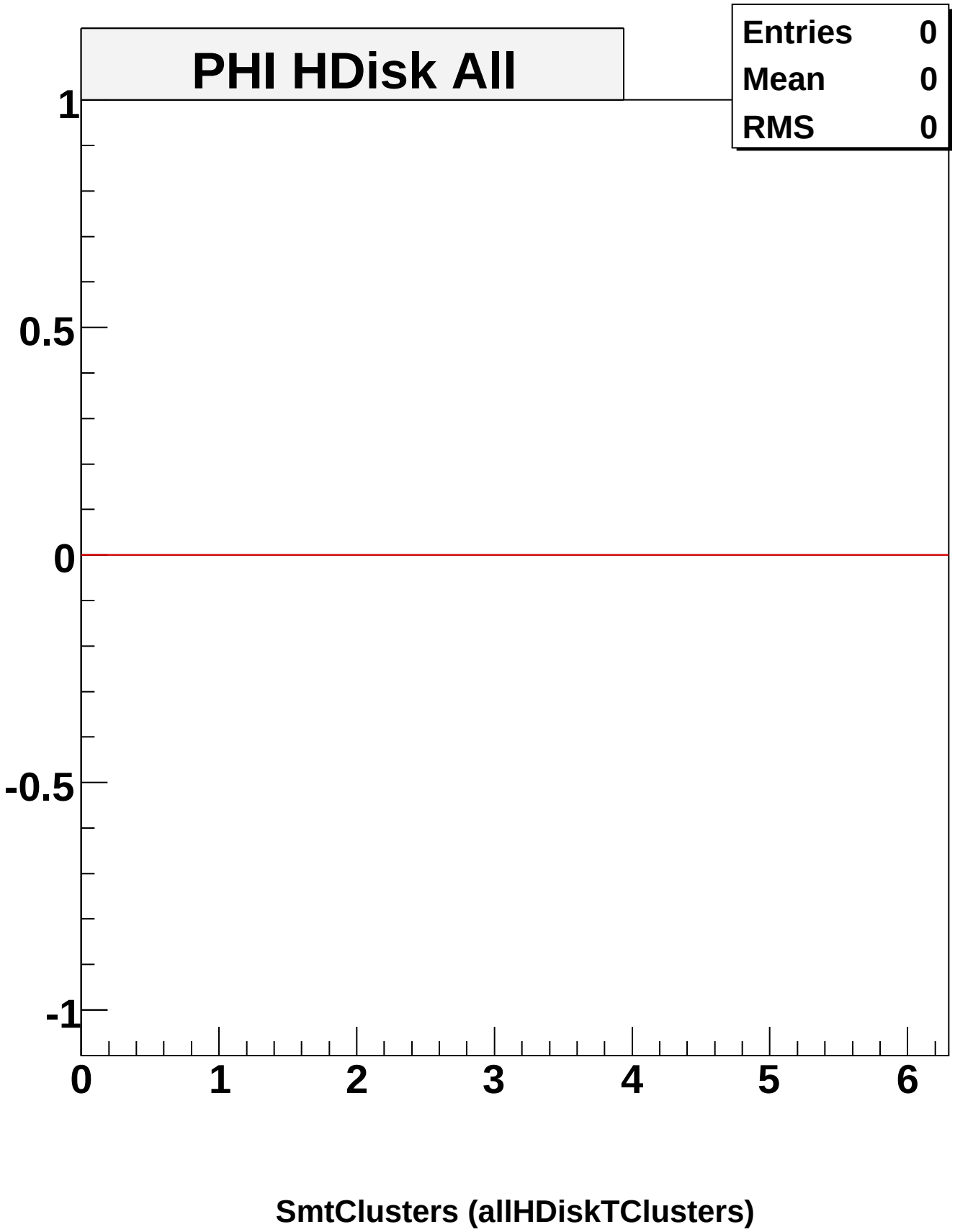


SmtClusters (HDiskClusters)



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
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0
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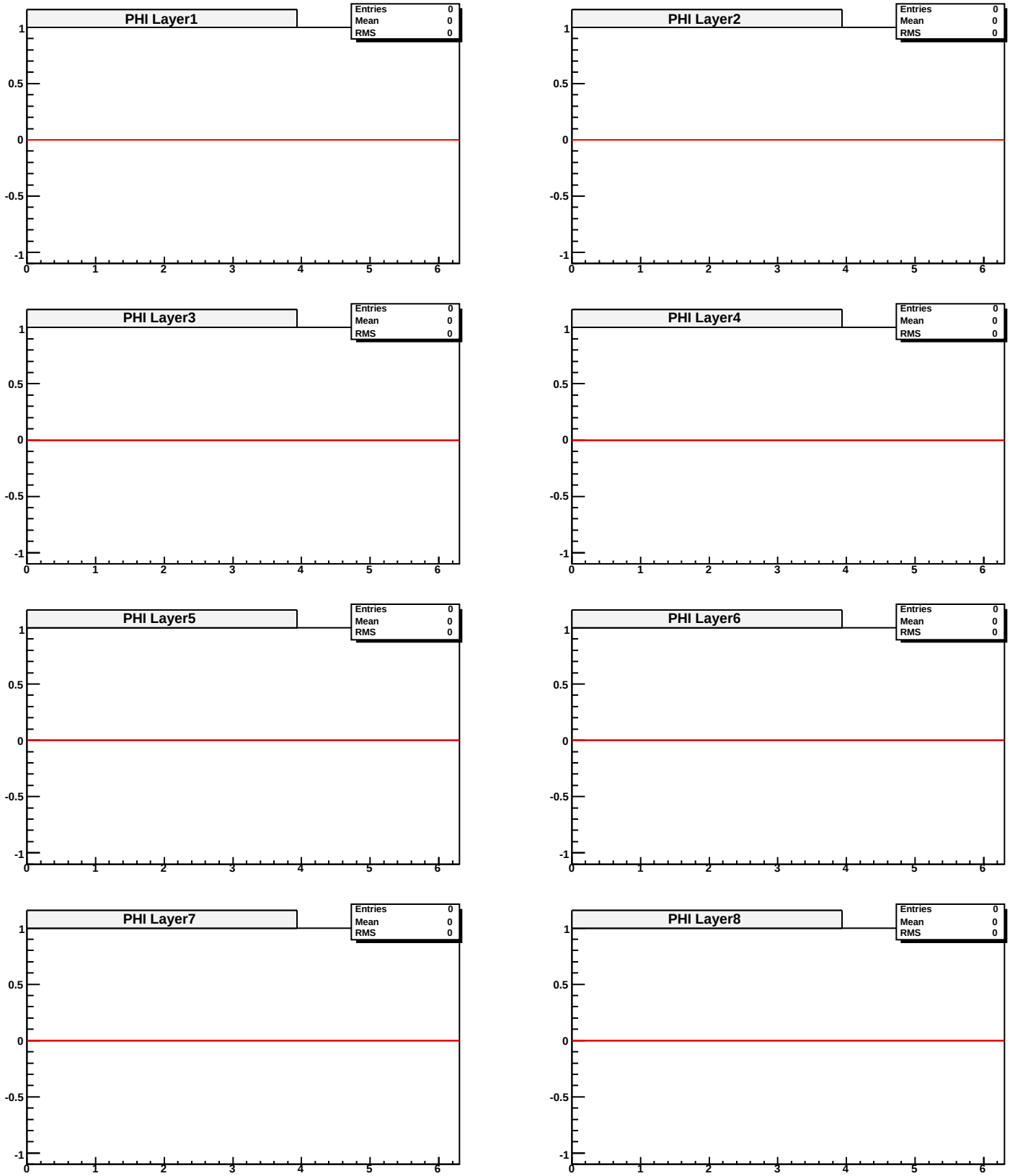
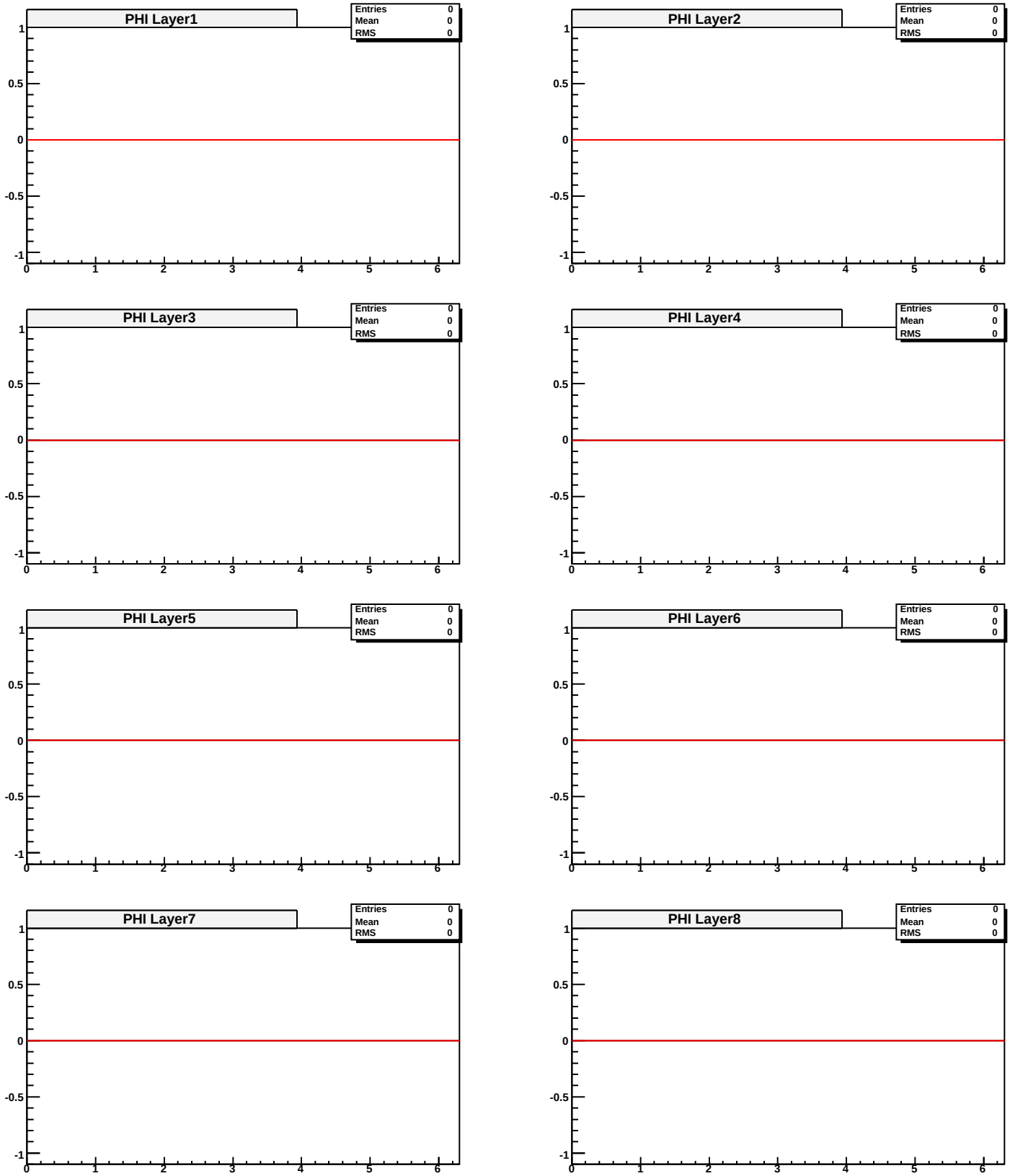
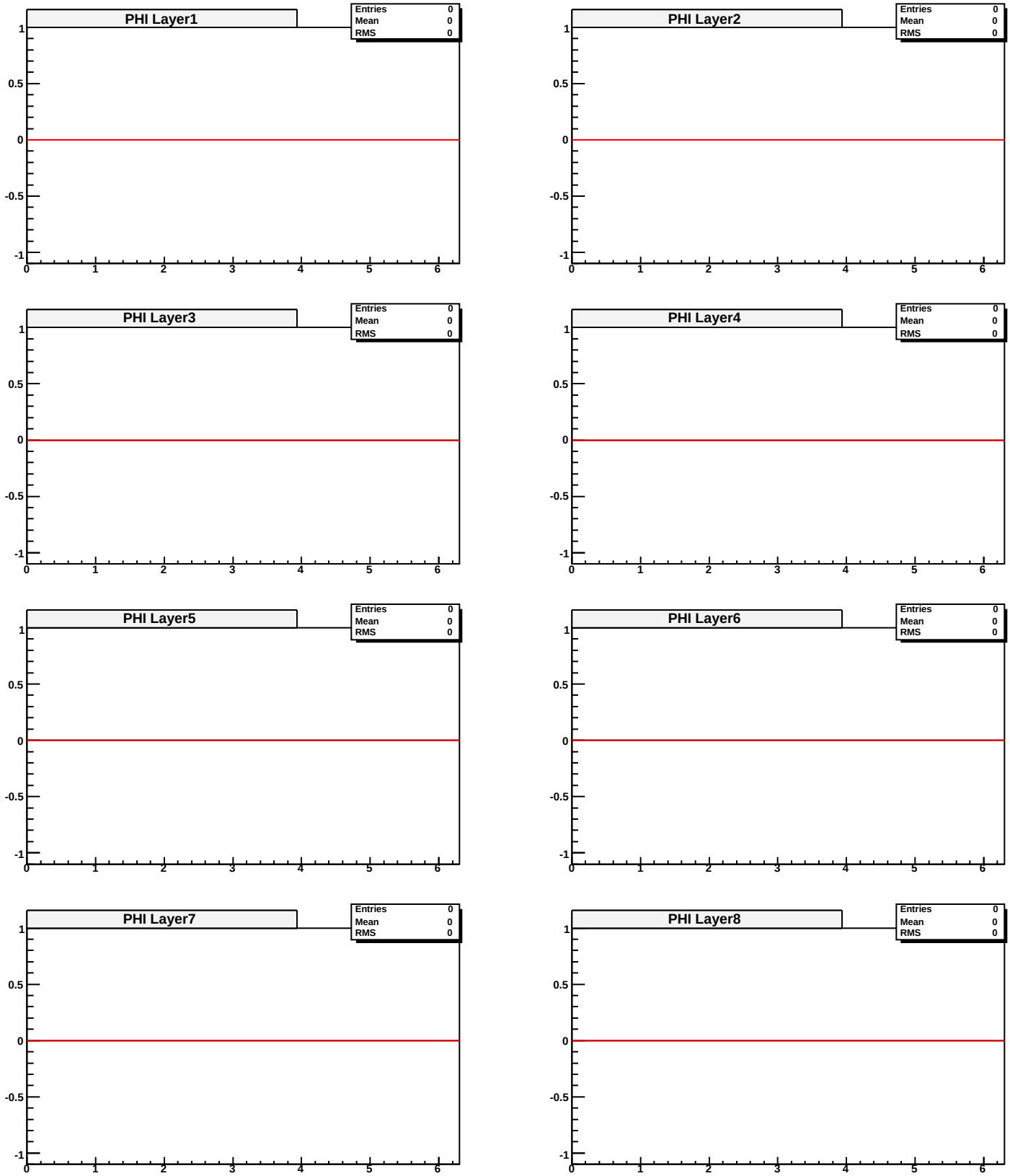
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)



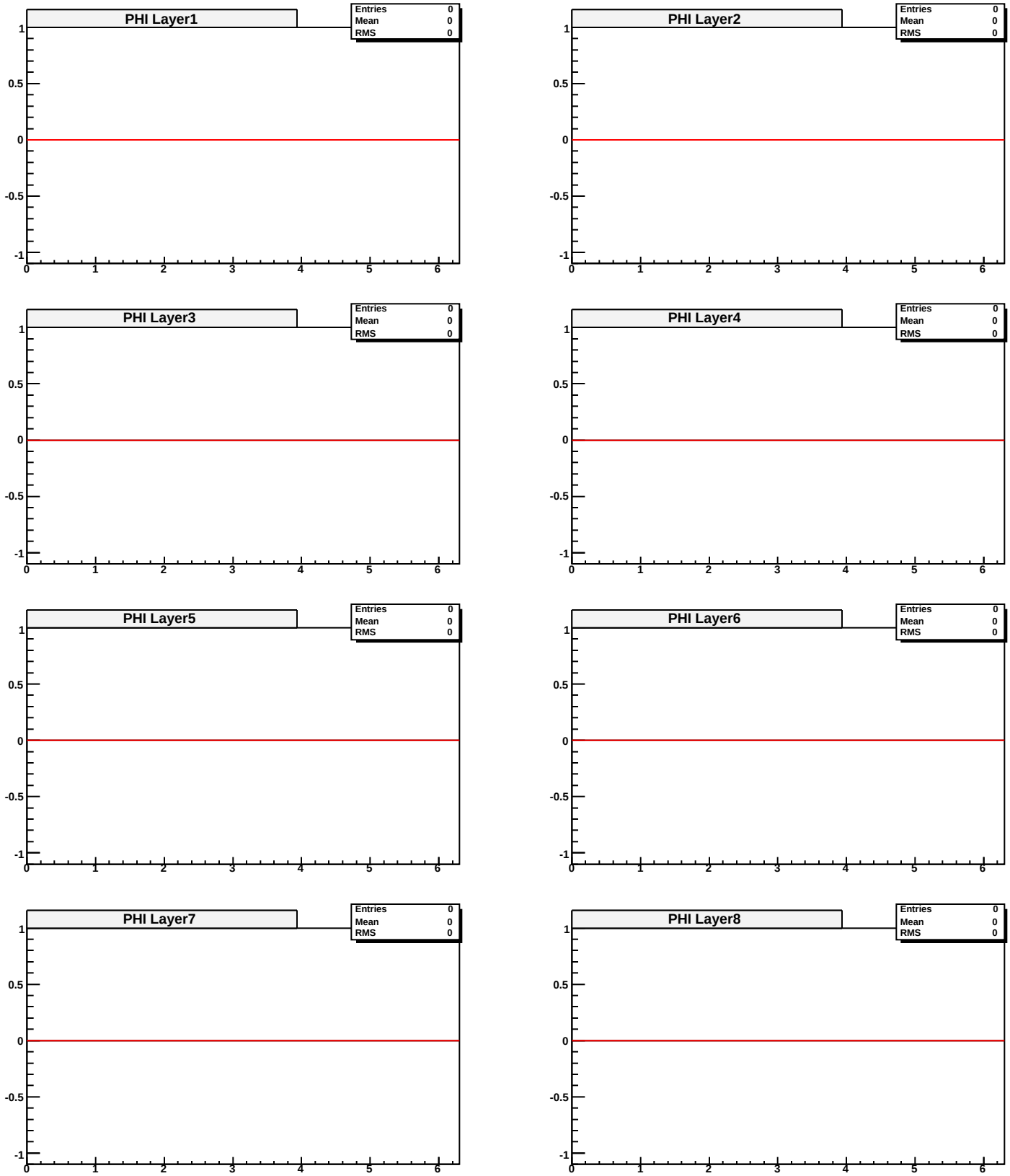
SmtClusters (TClustrBar1)



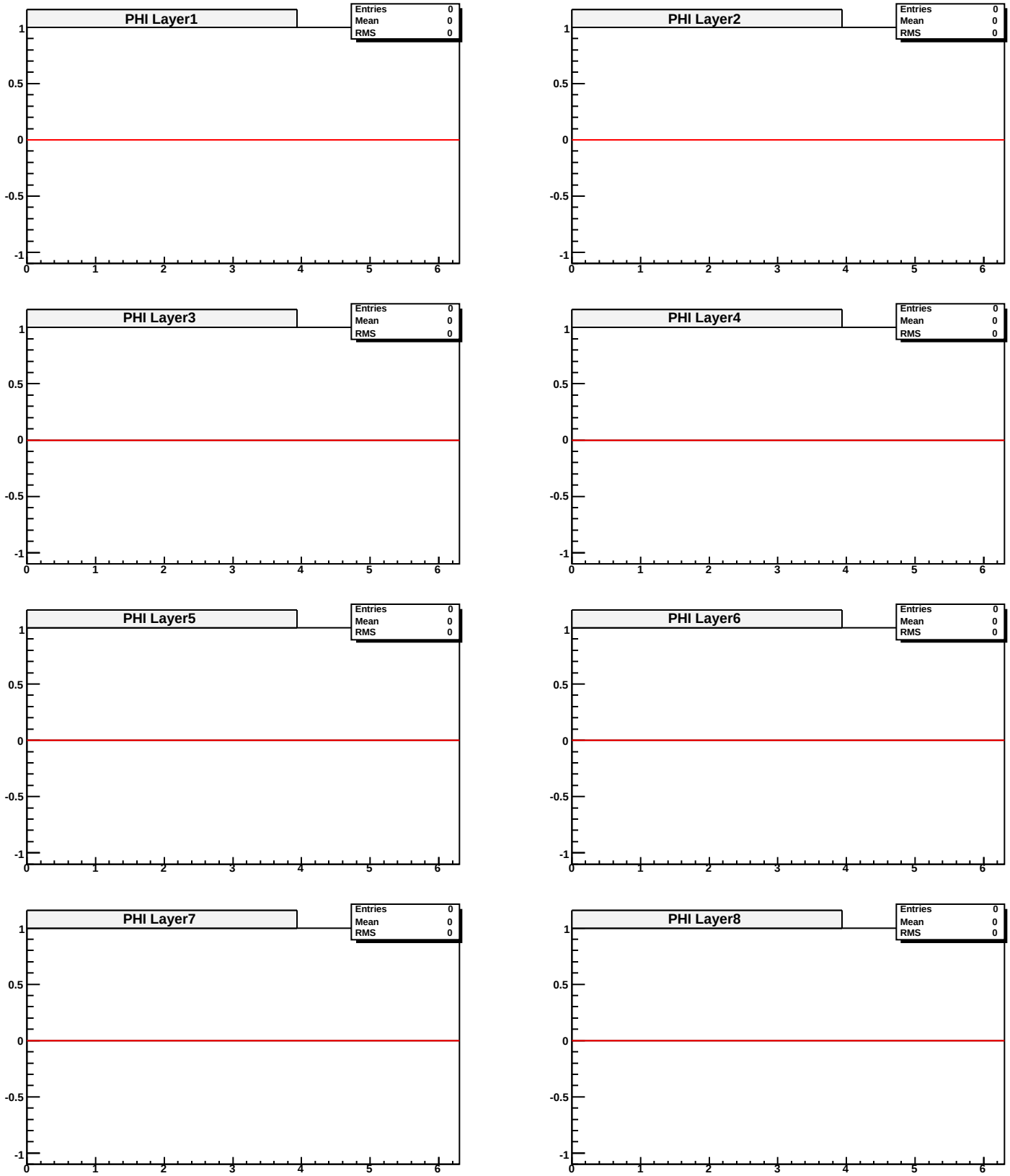
SmtClusters (TClustrBar2)



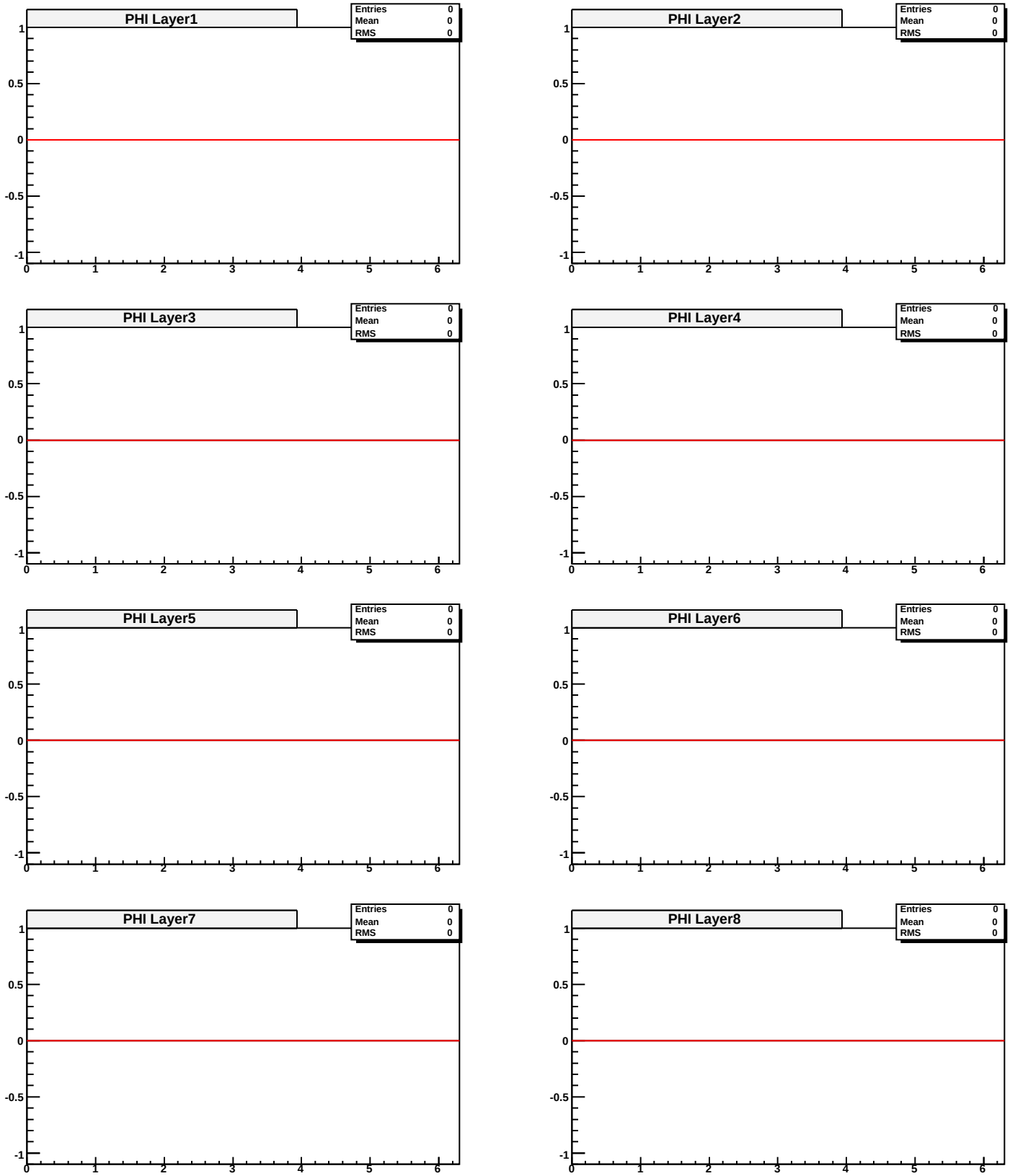
SmtClusters (TClustrBar3)



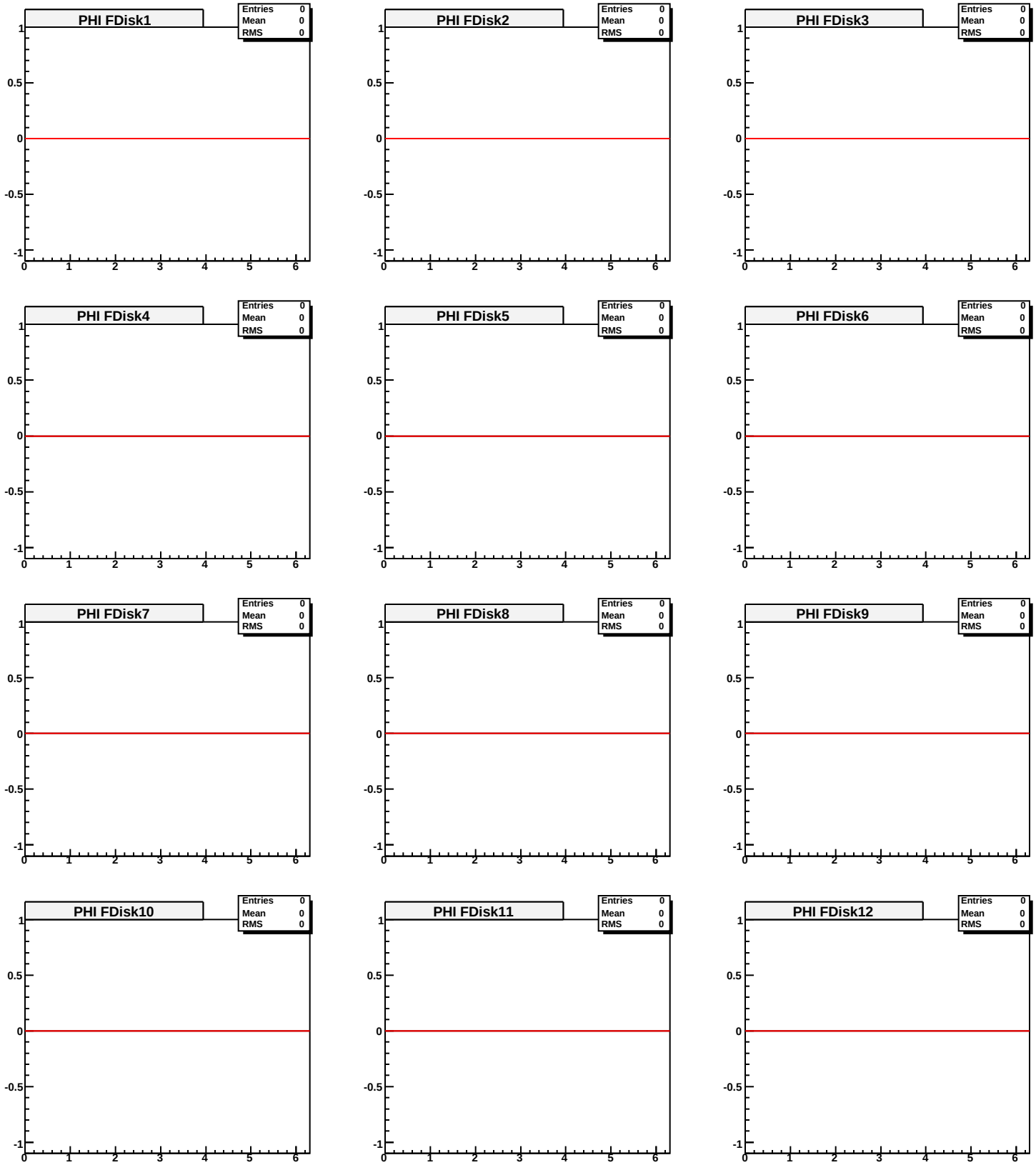
SmtClusters (TClustrBar4)



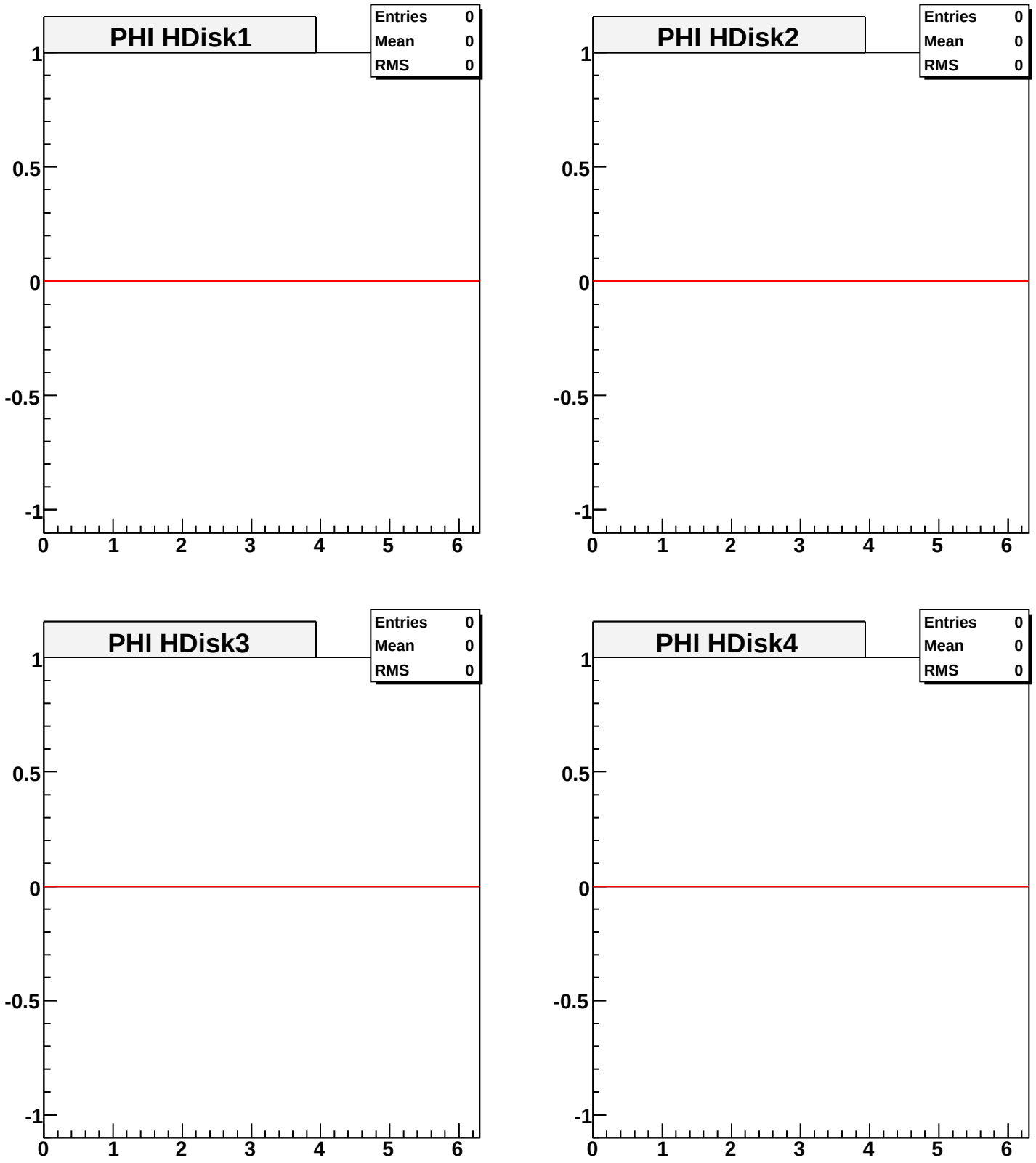
SmtClusters (TClustrBar5)



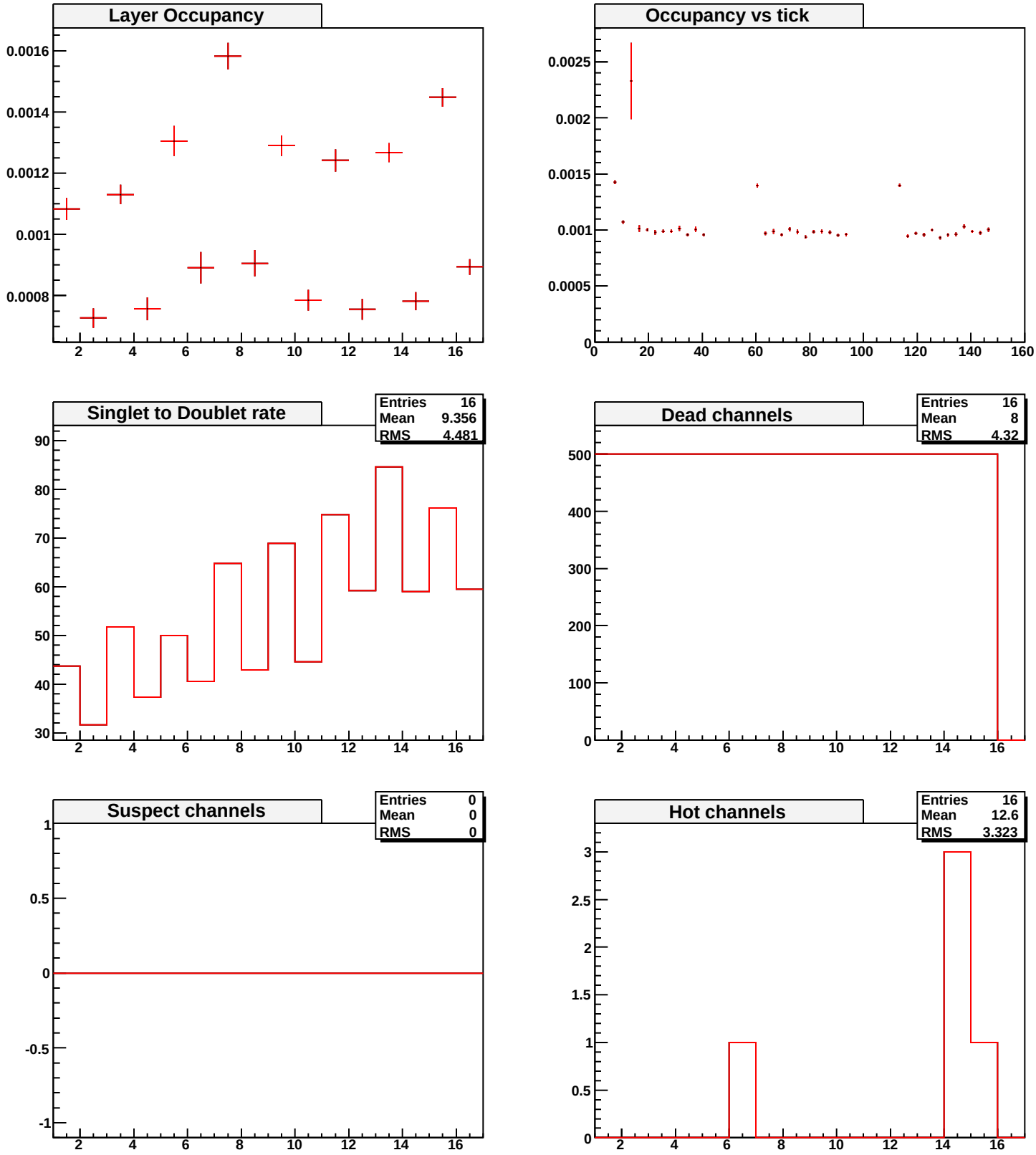
SmtClusters (TClustrBar6)



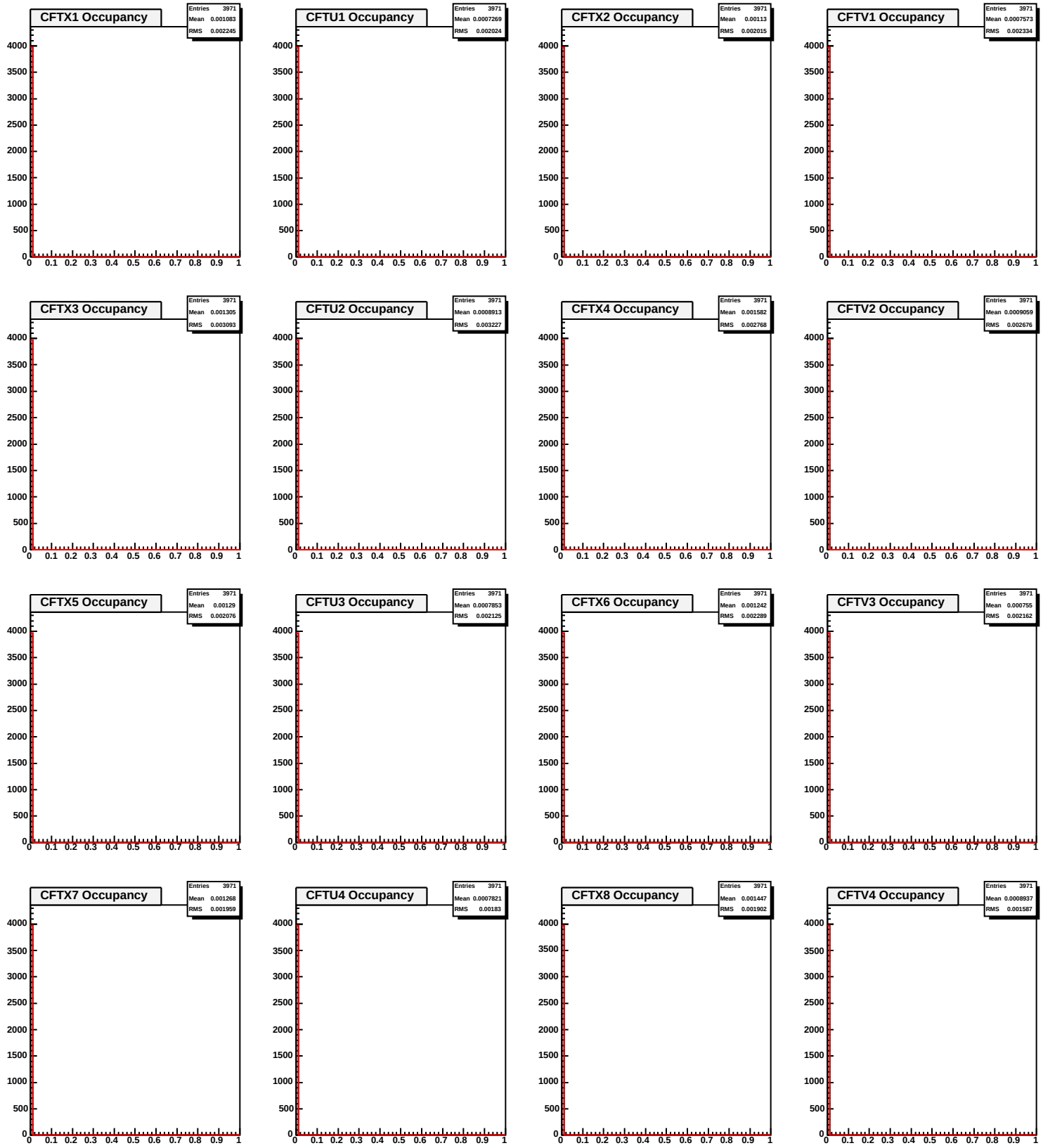
SmtClusters (FDiskTClusters)



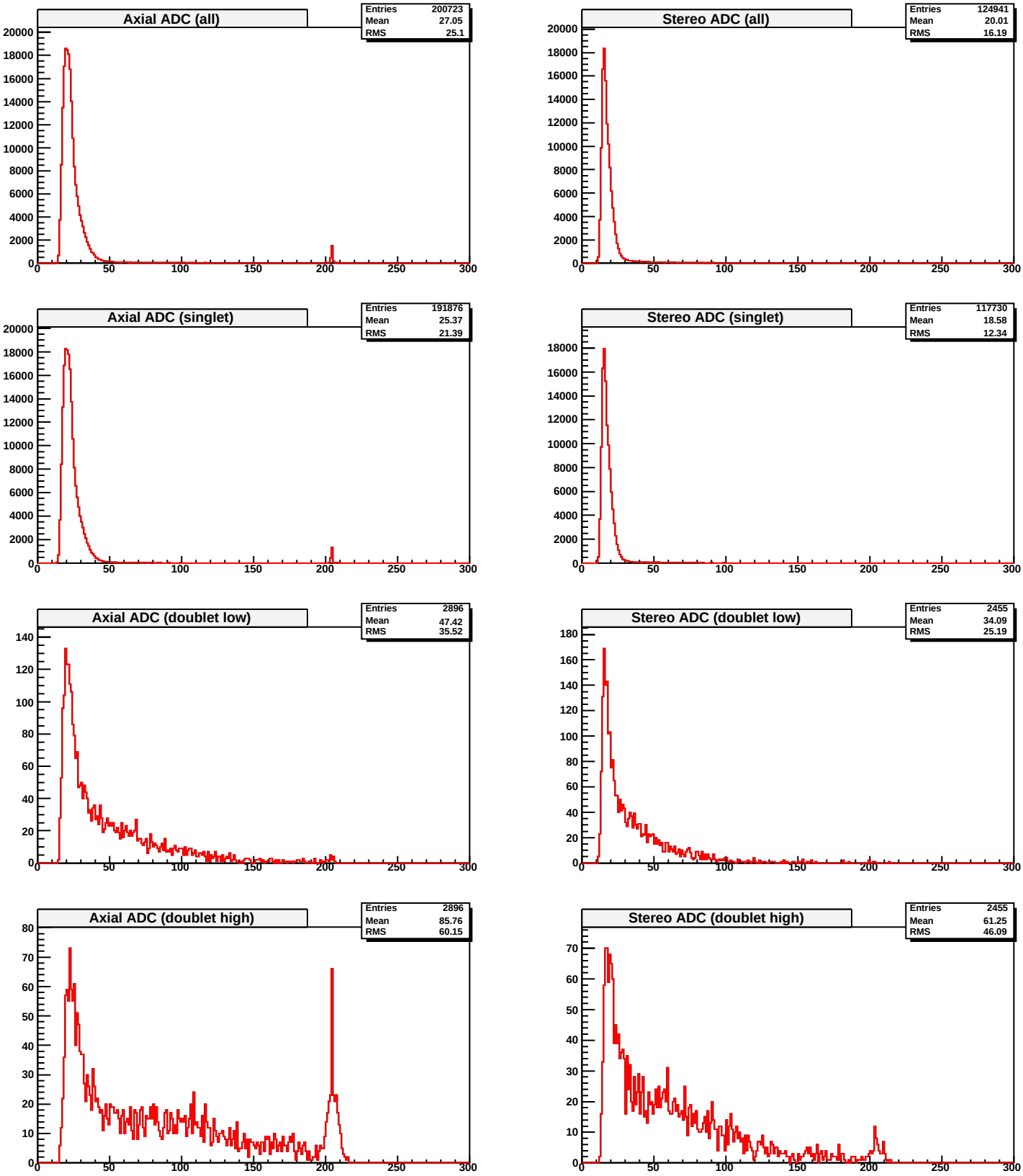
SmtClusters (HDiskTClusters)



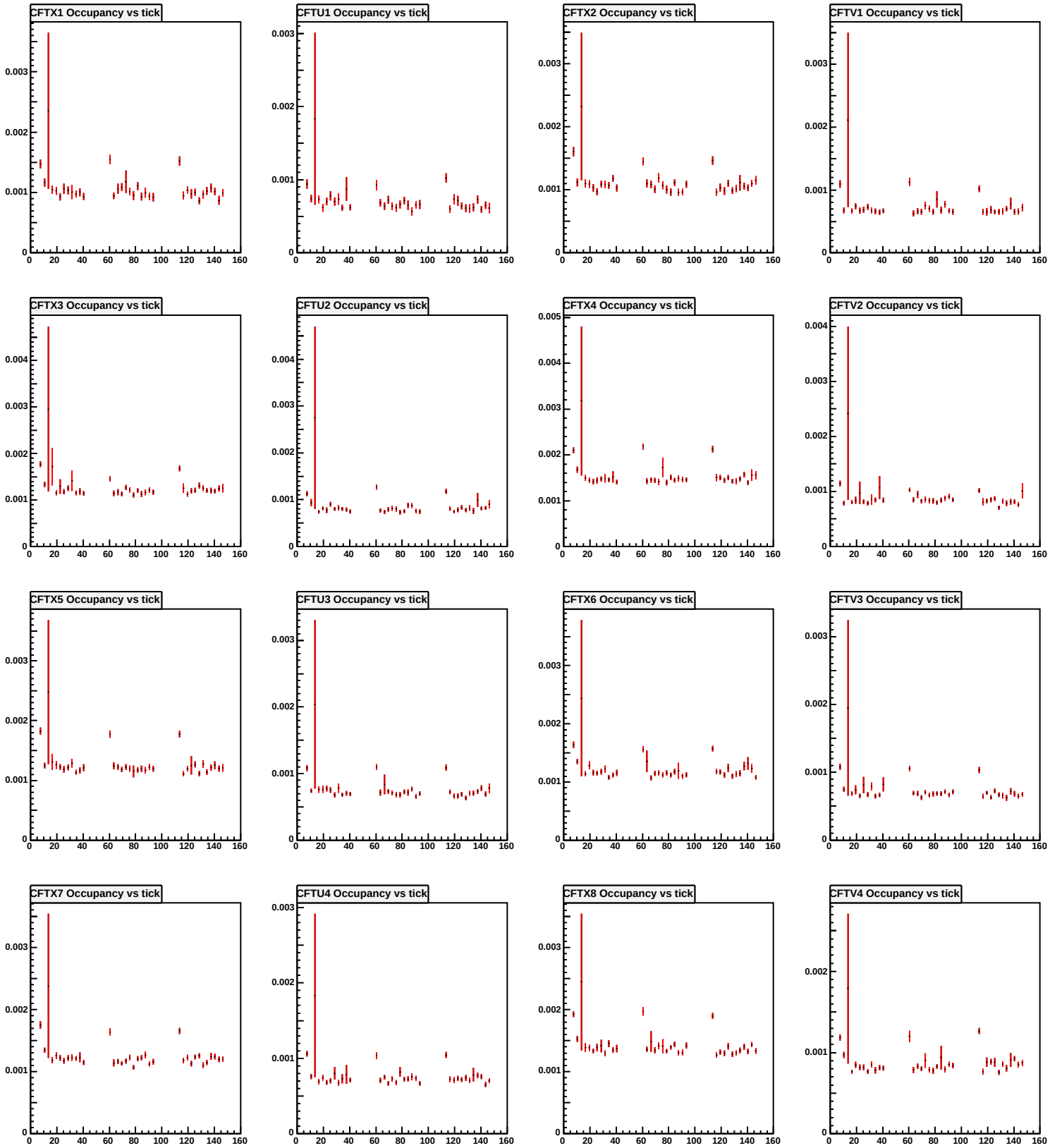
CFT Summary (All Clusters)



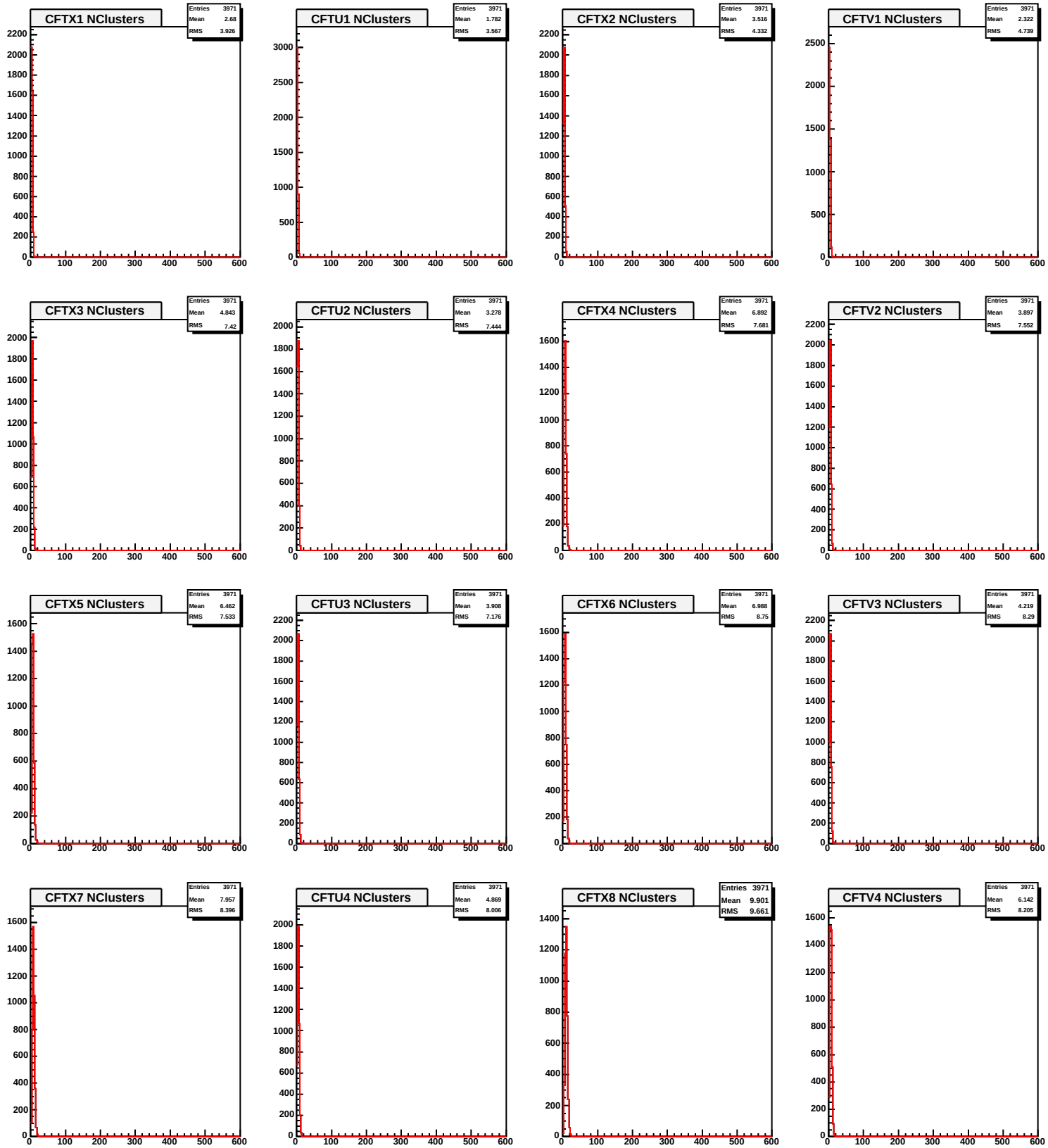
CFT Occupancy (All Clusters)



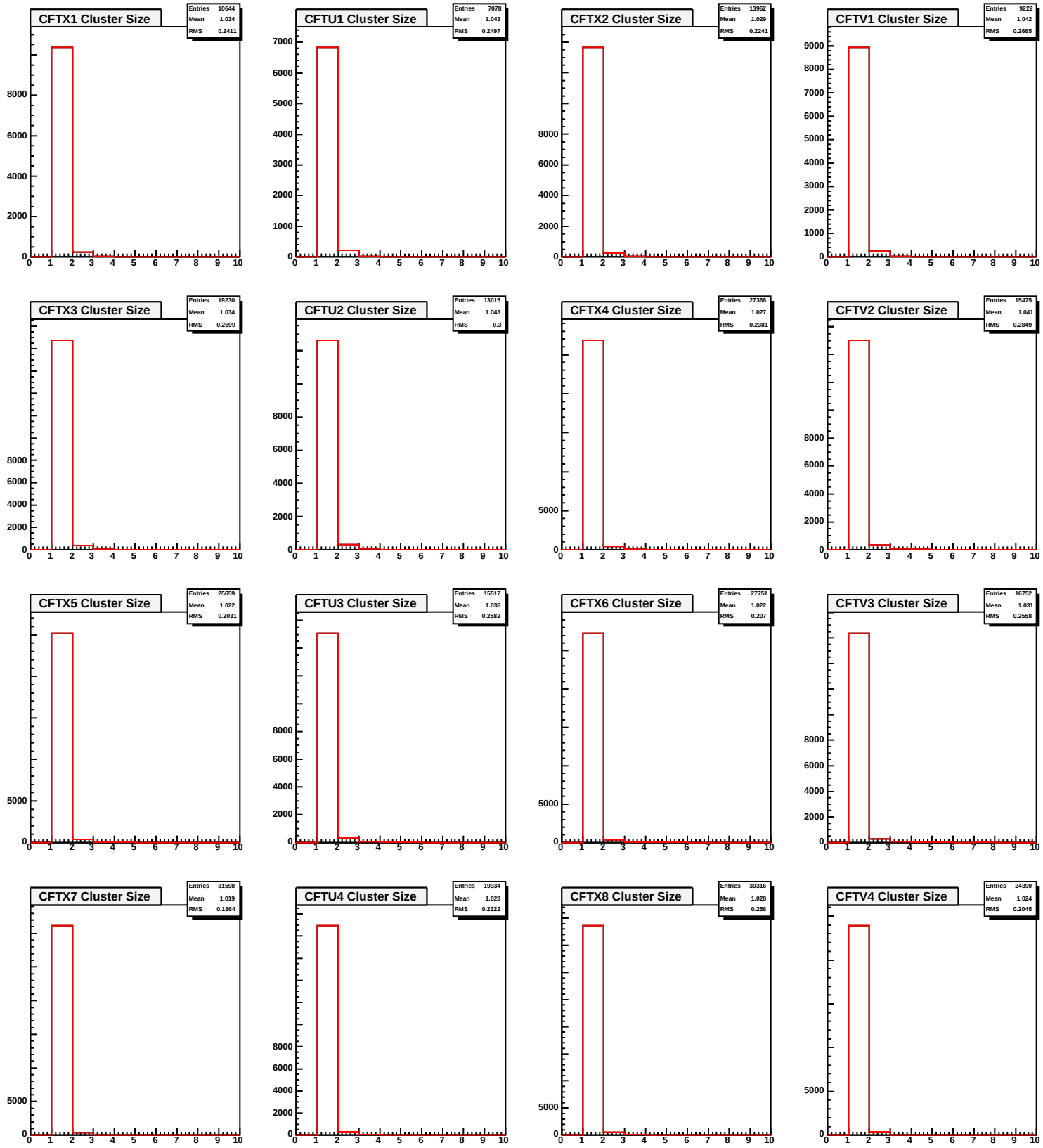
CFT ADC Summary (All Clusters)



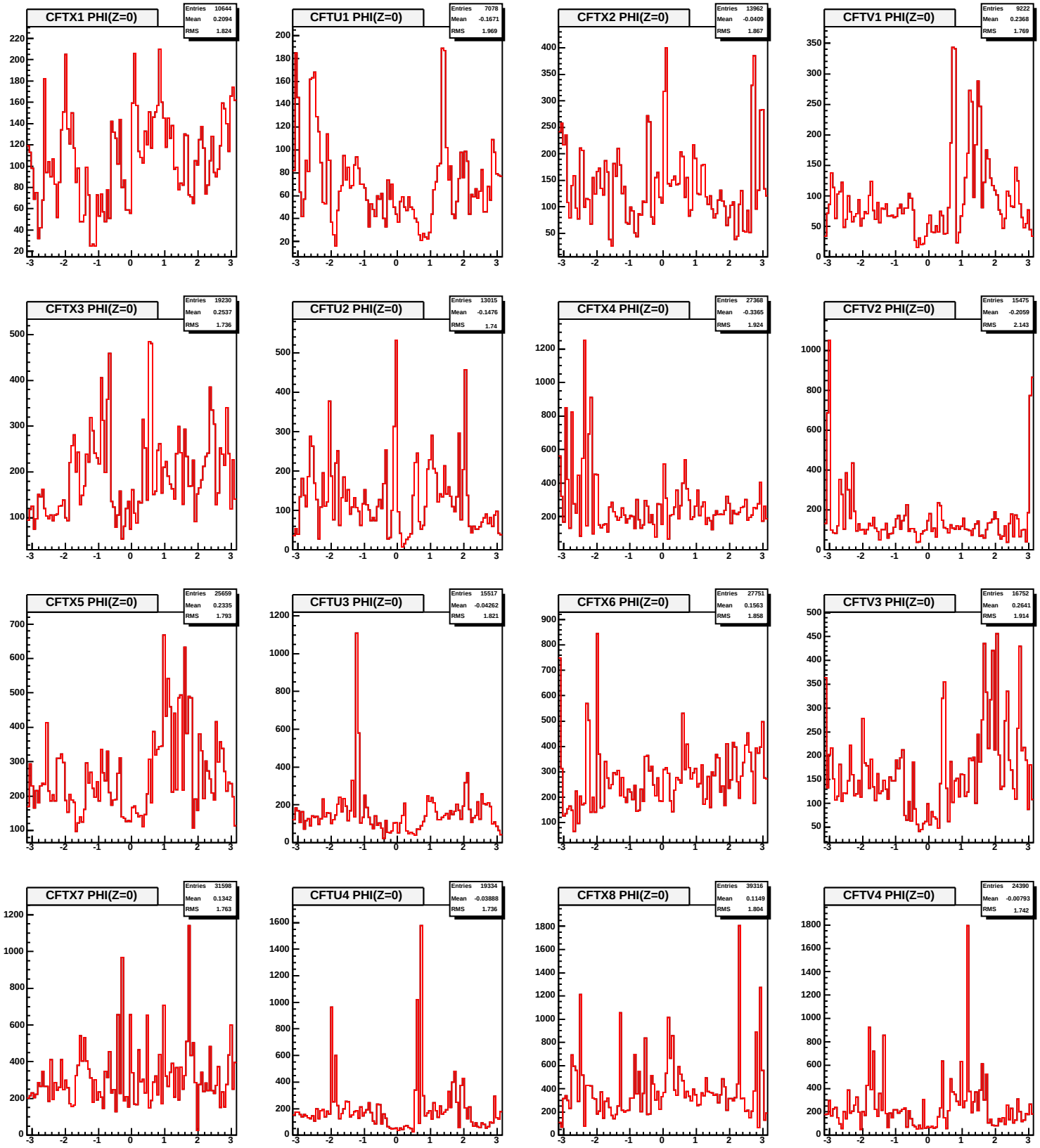
CFT Occupancy vs Tick (All Clusters)



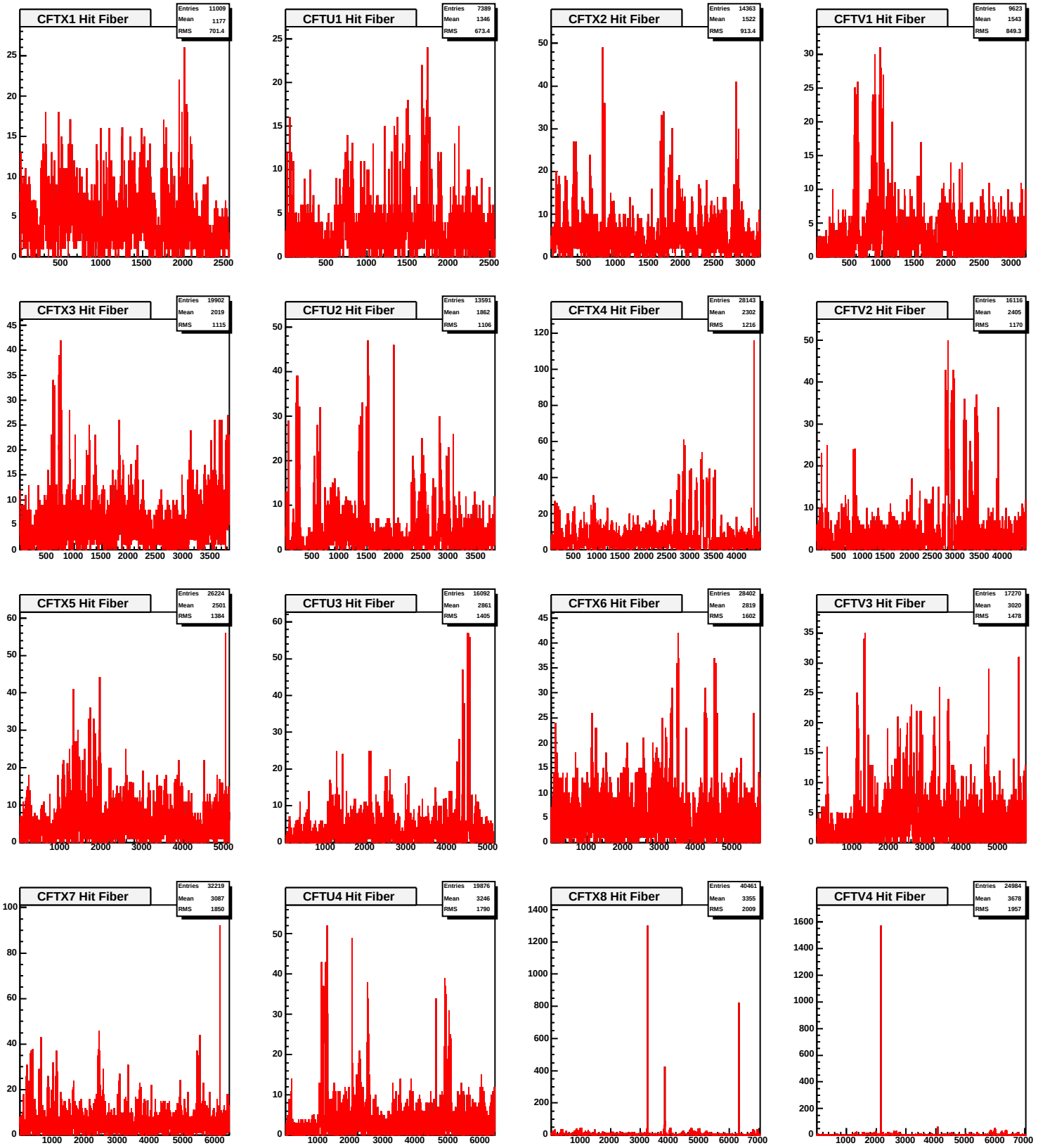
CFT NClusters (All Clusters)



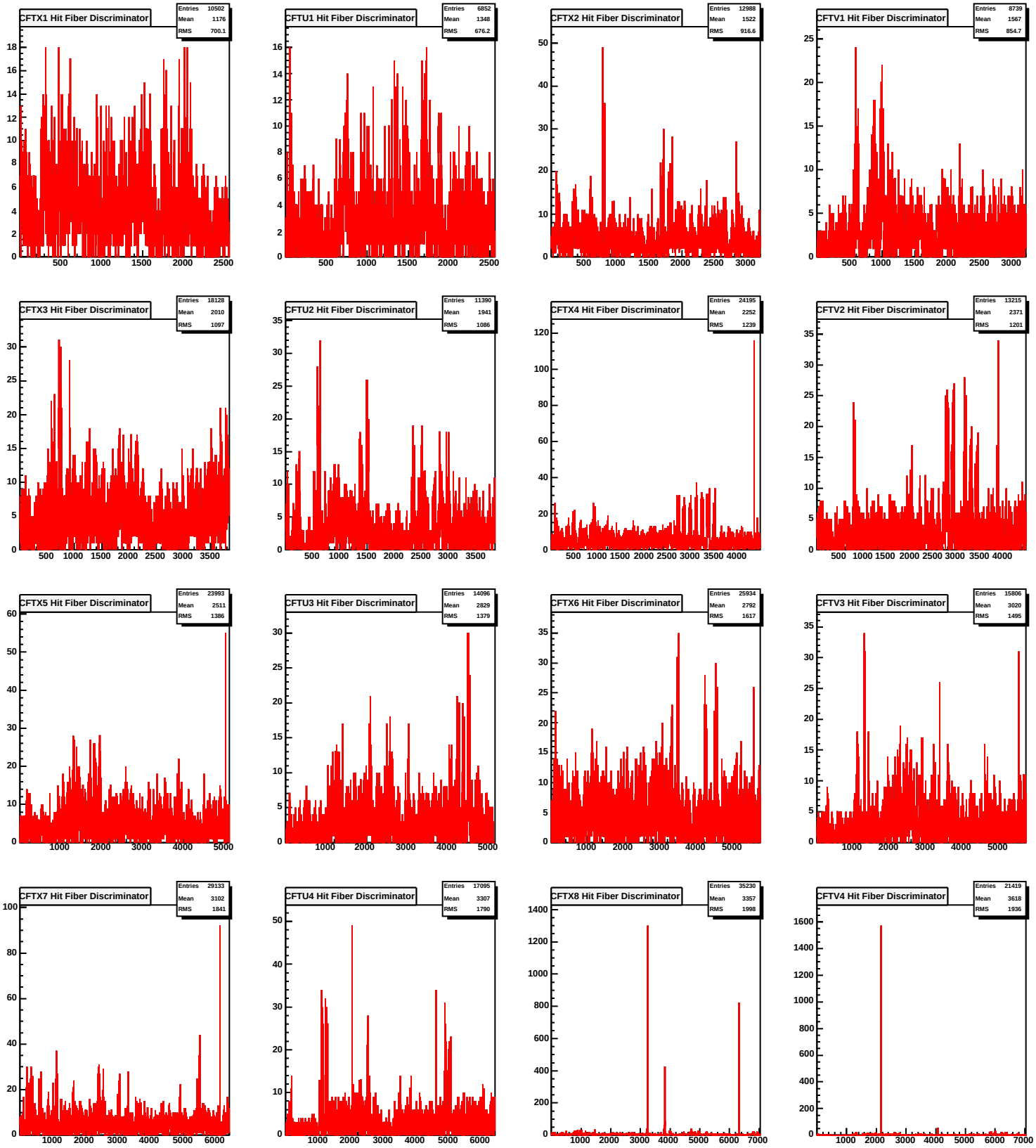
CFT Cluster Size (All Clusters)



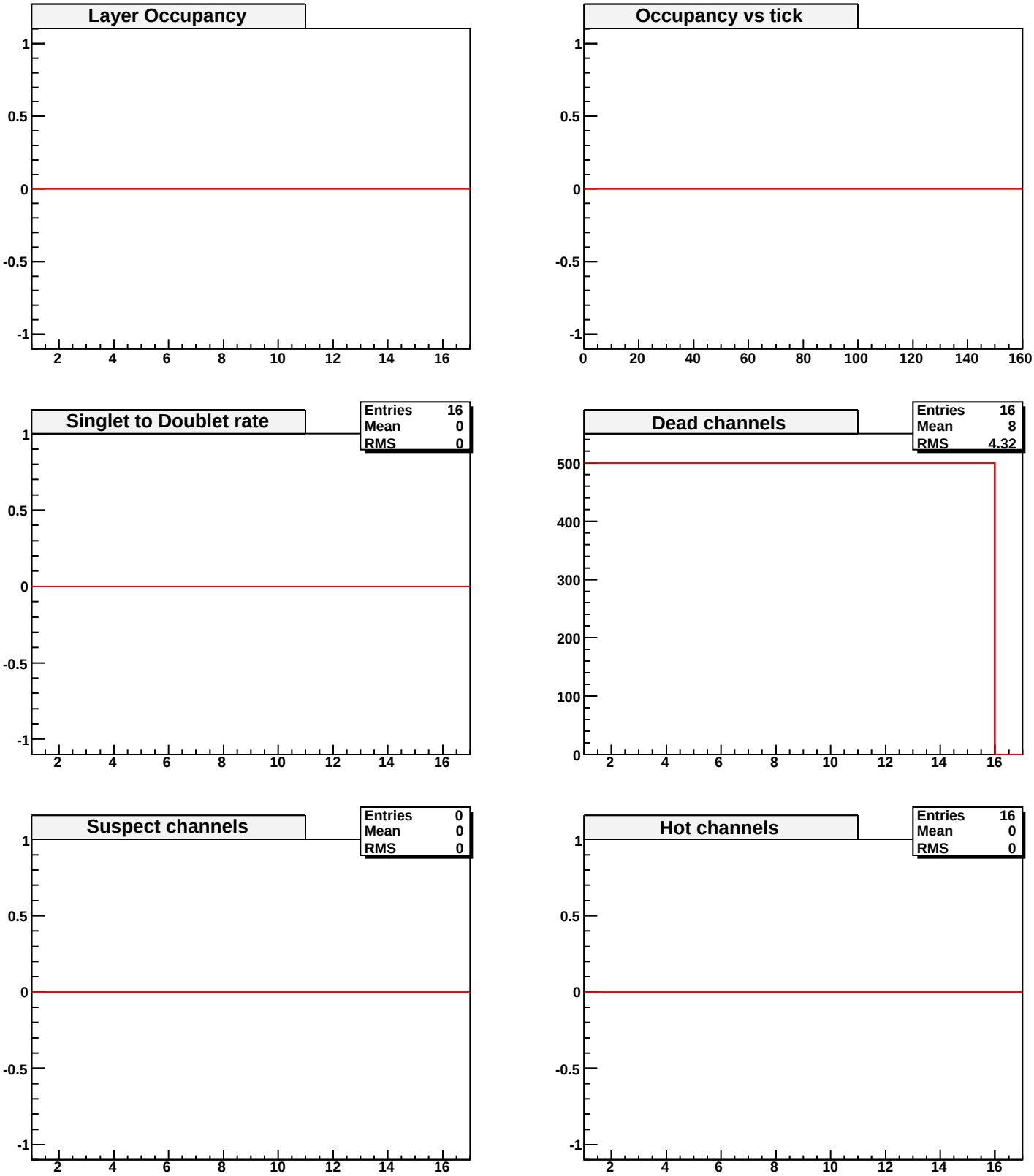
CFT PHI(Z=0) (All Clusters)



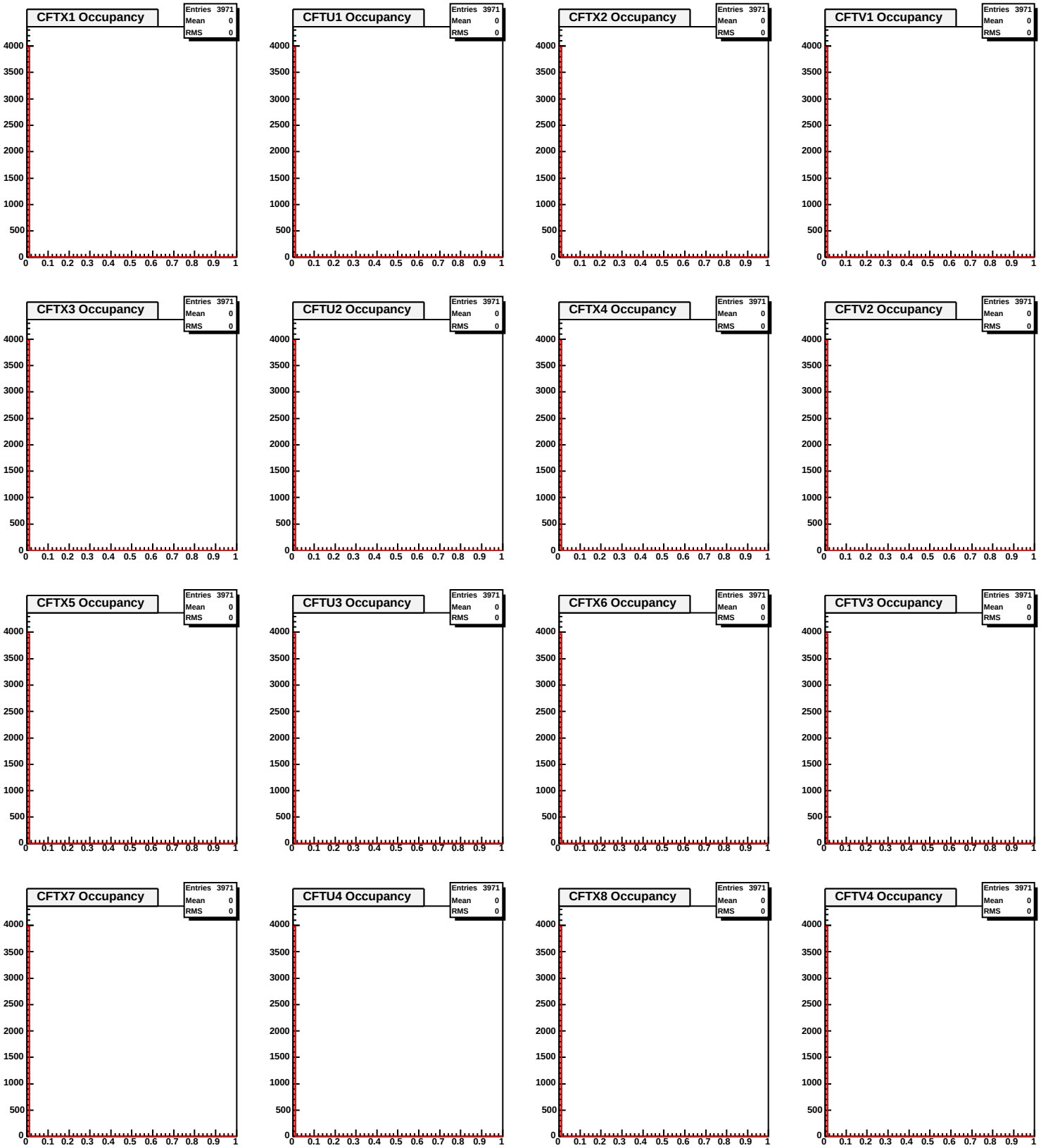
CFT Hit Fiber (All Clusters)



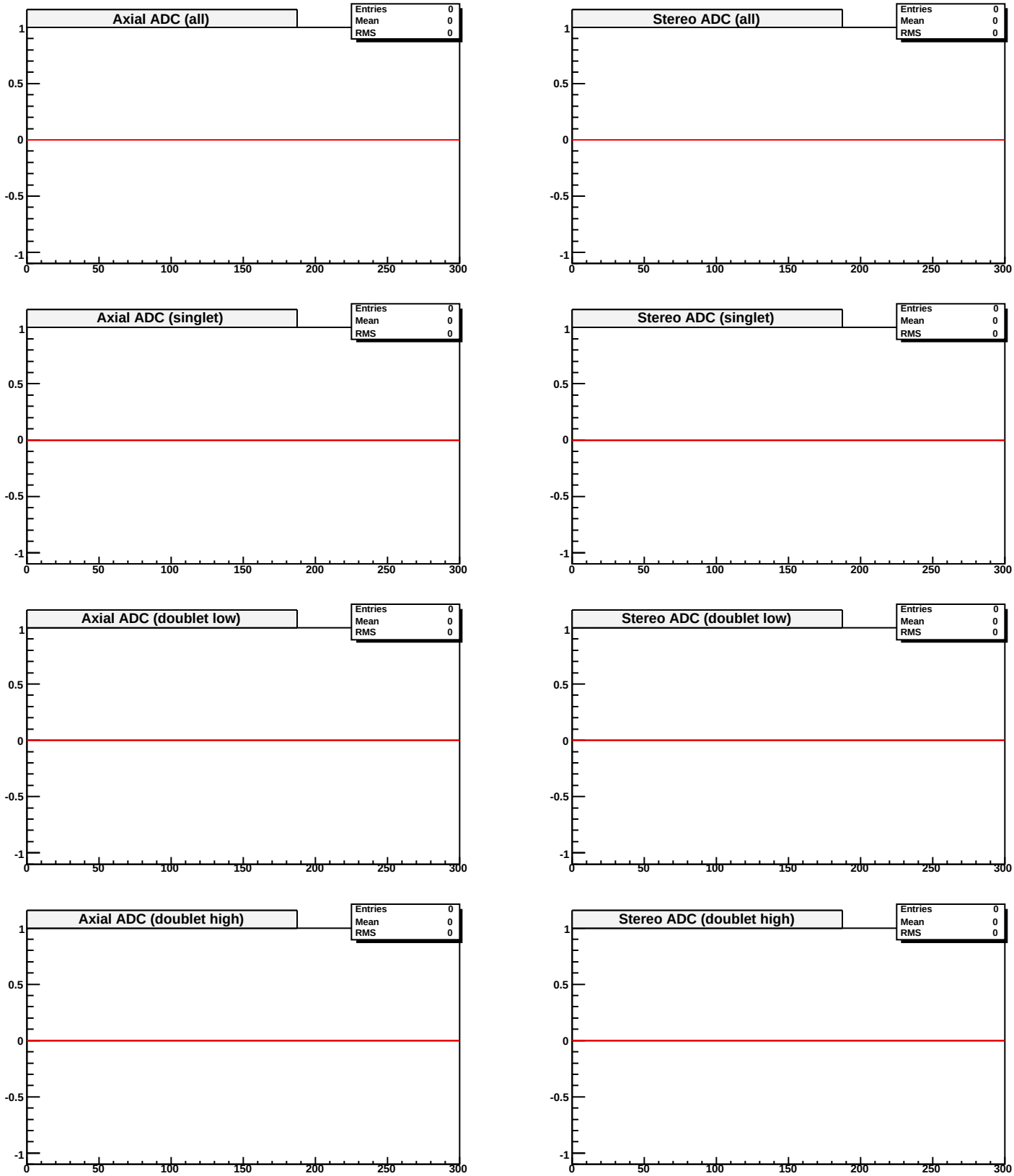
CFT Hit Fiber Discriminator (All Clusters)



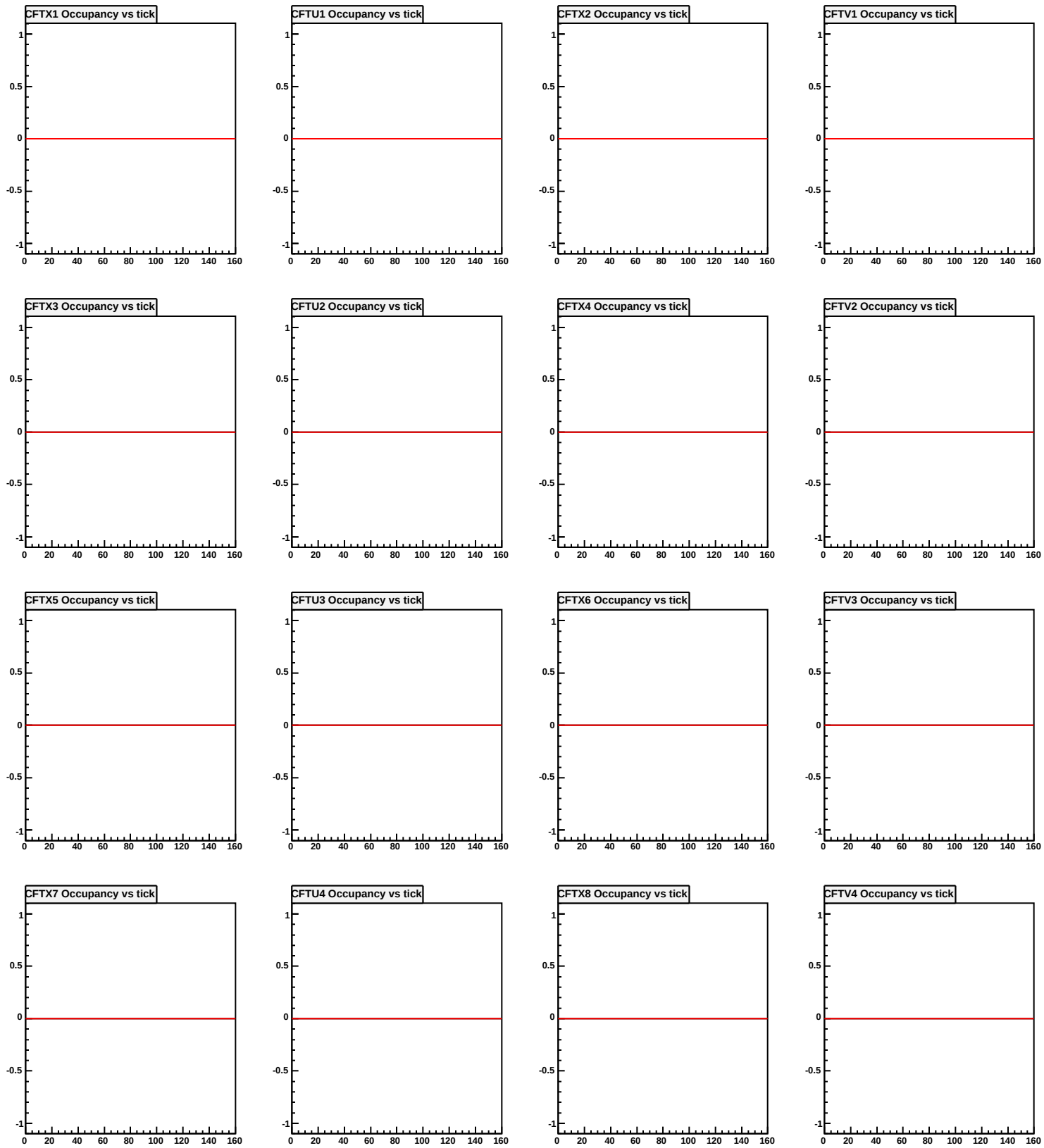
CFT Summary (Clusters on tracks)



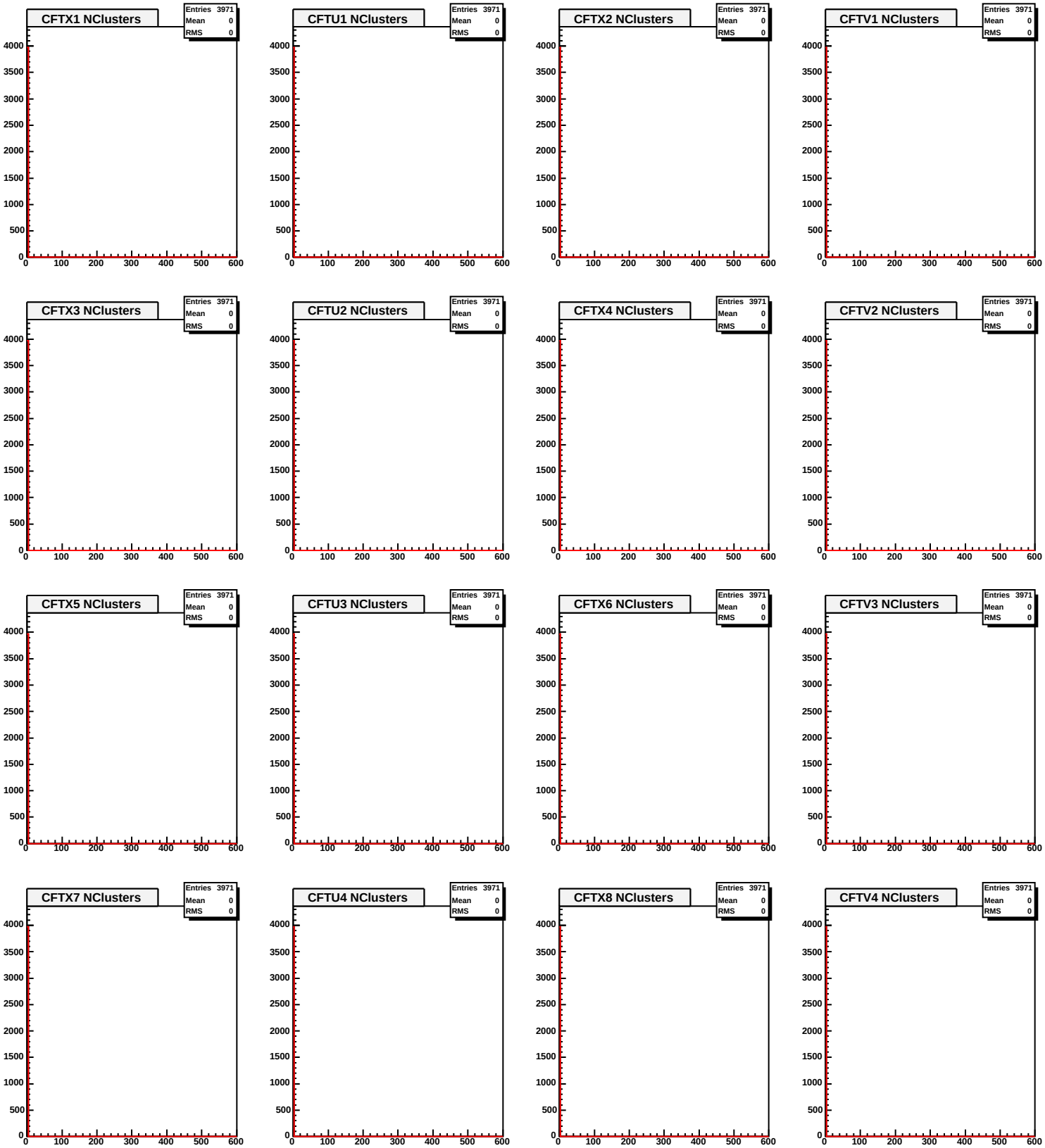
CFT Occupancy (Clusters on tracks)



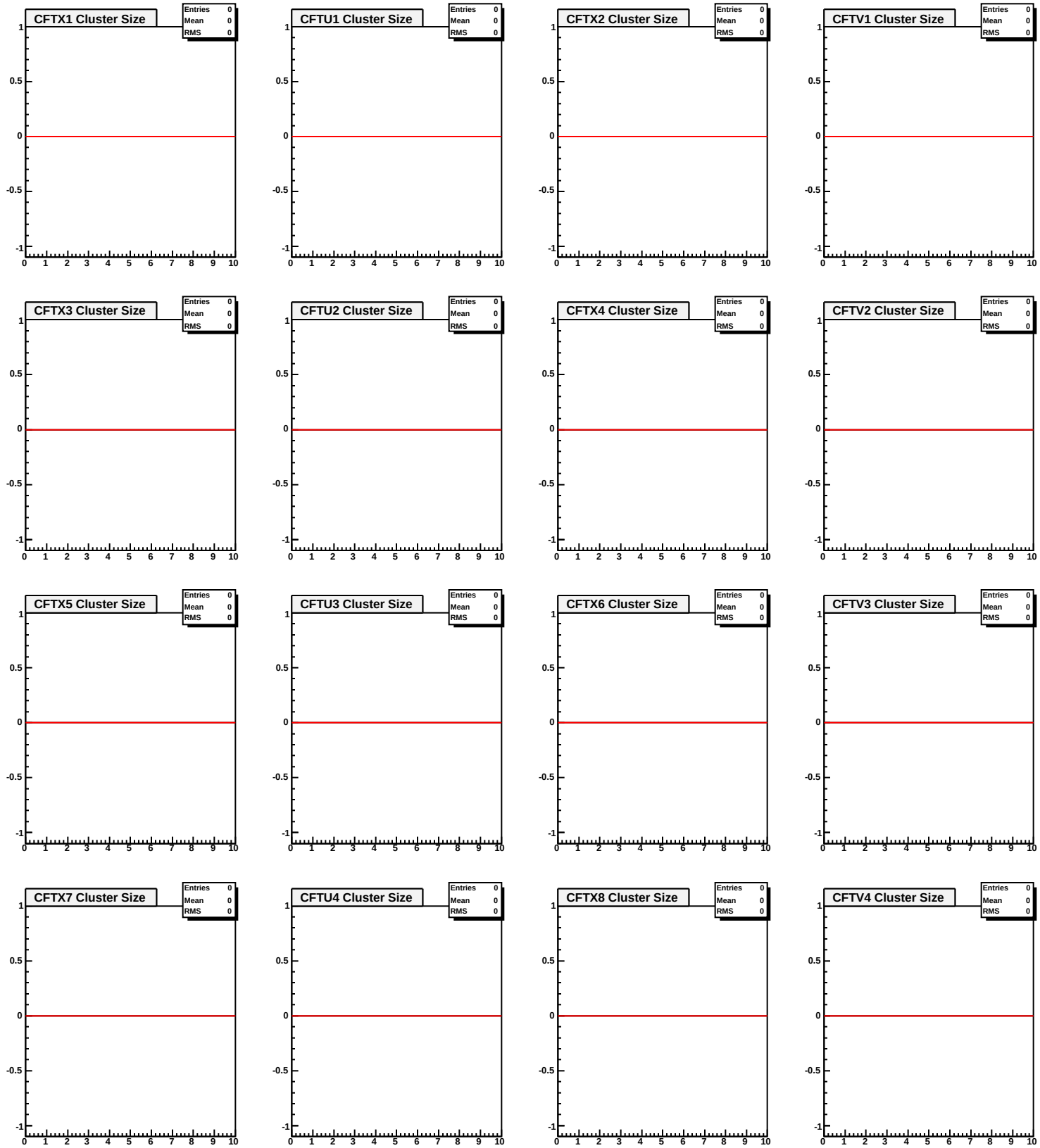
CFT ADC Summary (Clusters on tracks)



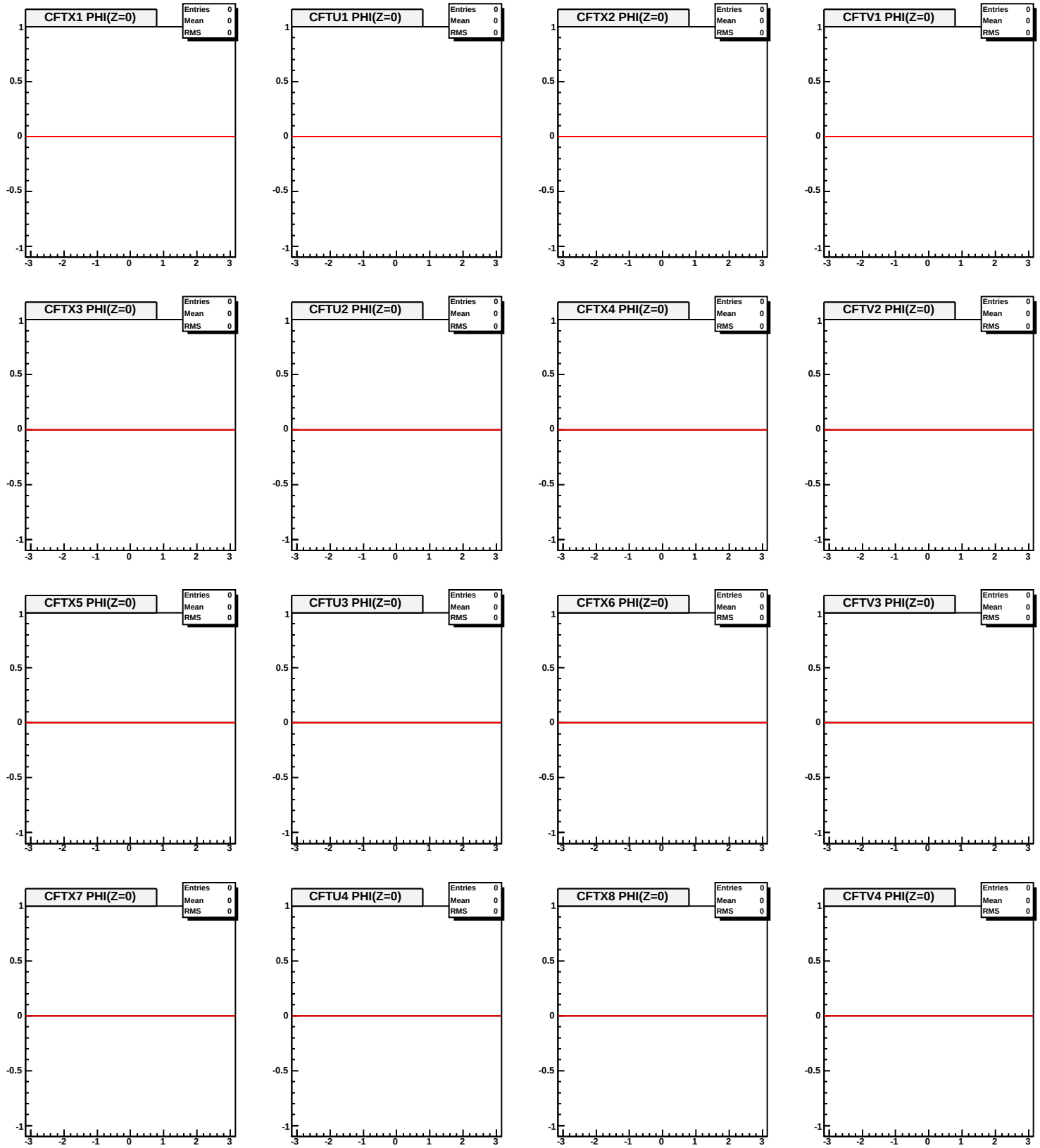
CFT Occupancy vs Tick (Clusters on tracks)



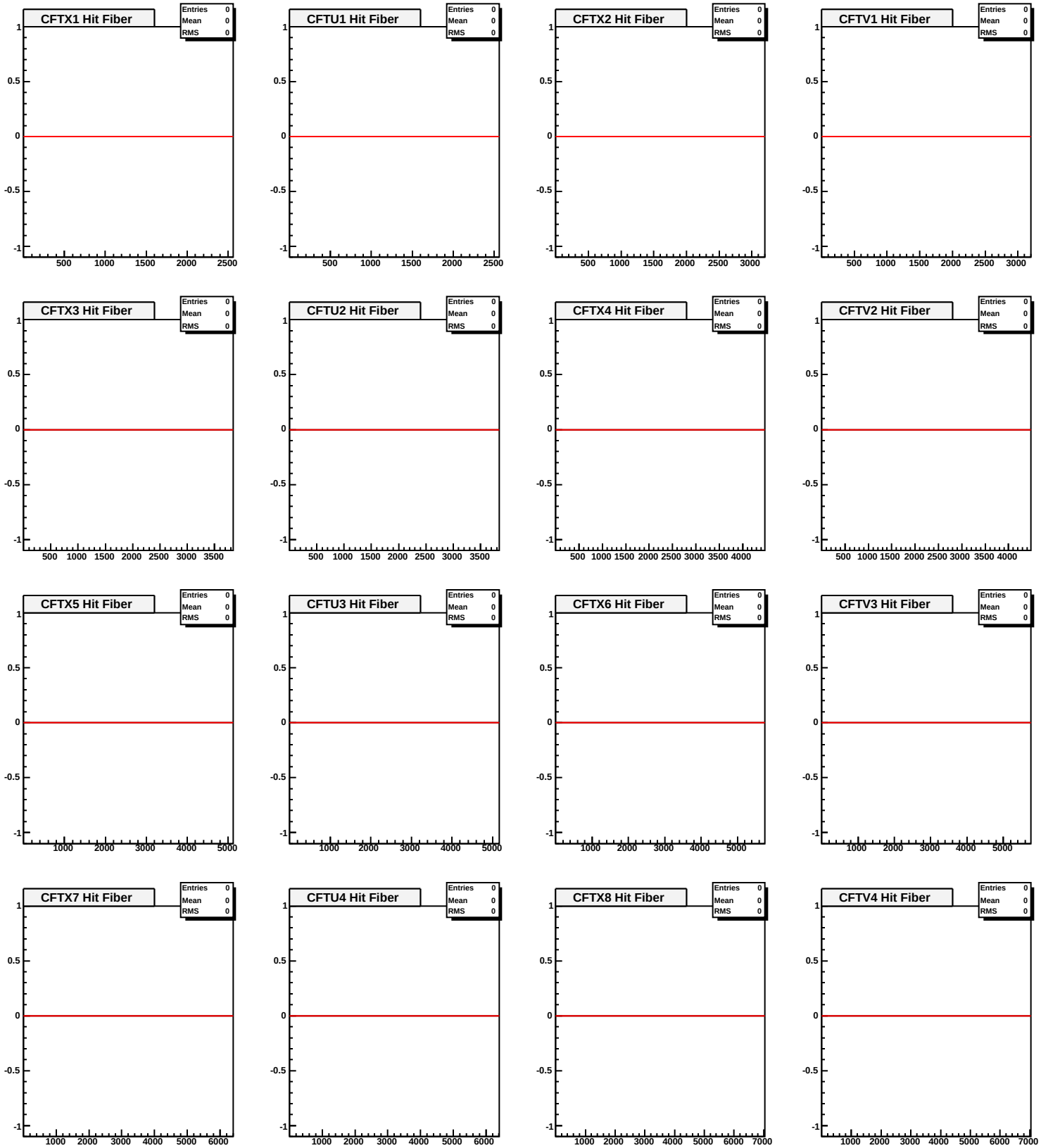
CFT NClusters (Clusters on tracks)



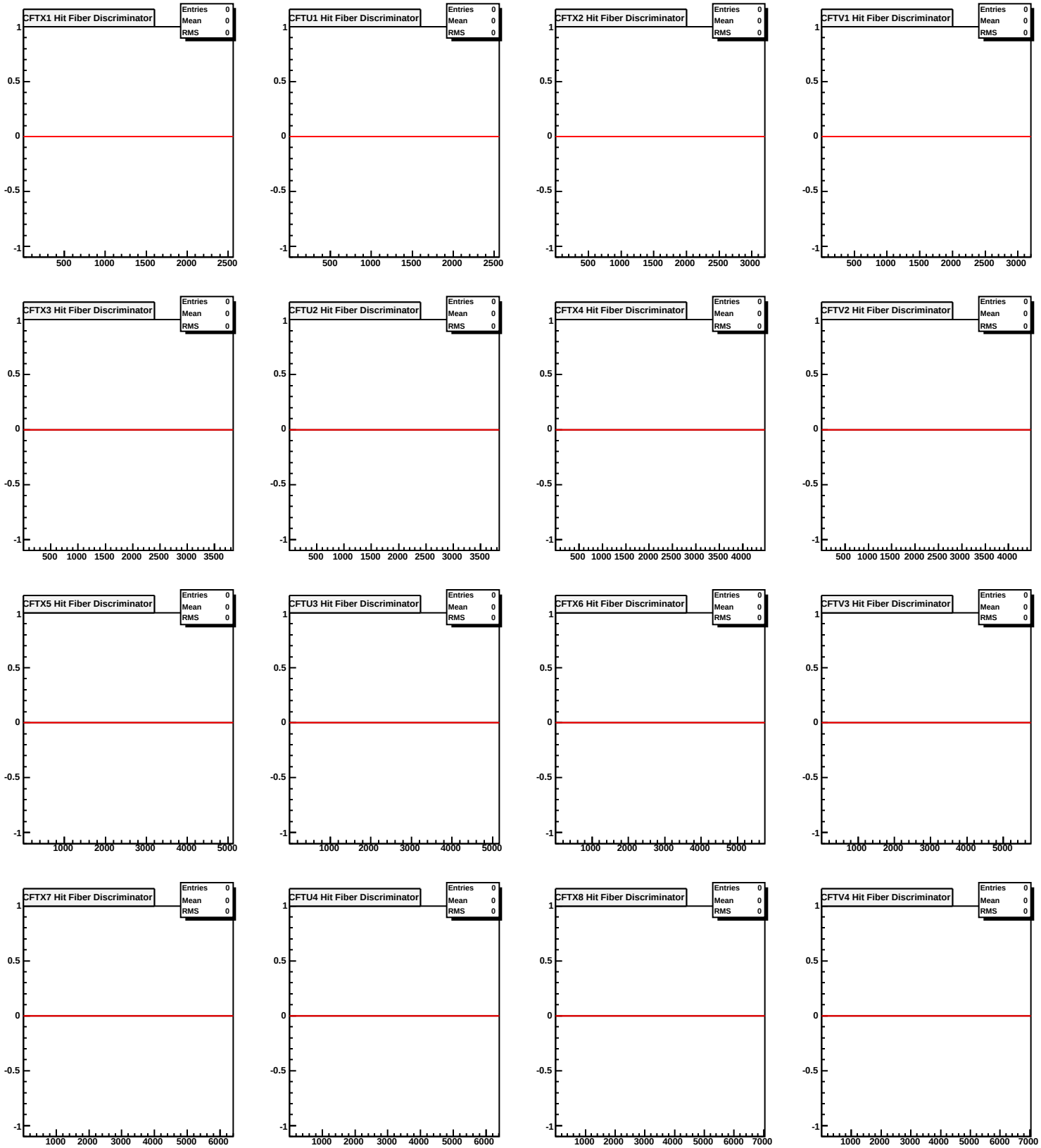
CFT Cluster Size (Clusters on tracks)



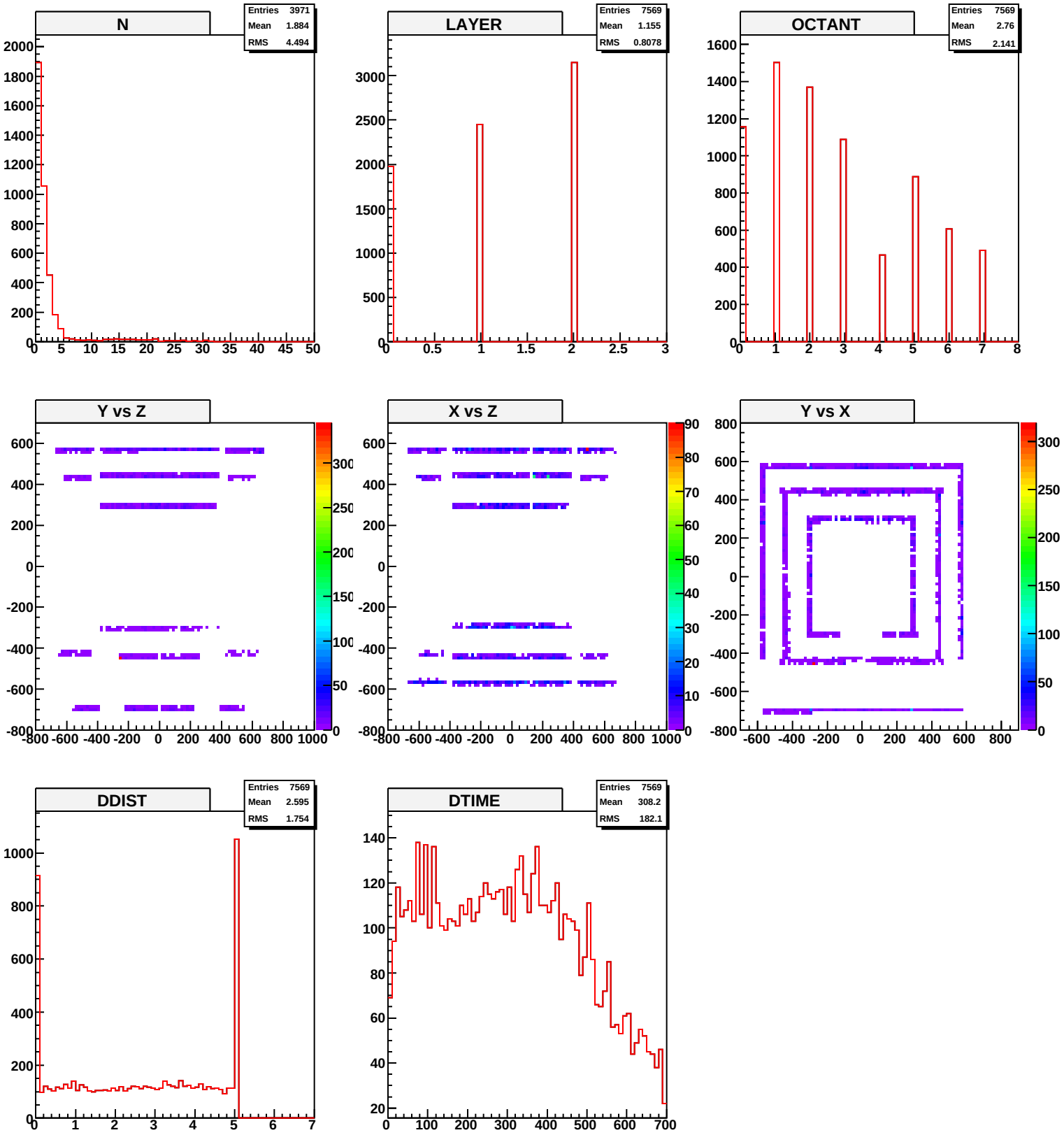
CFT PHI(Z=0) (Clusters on tracks)



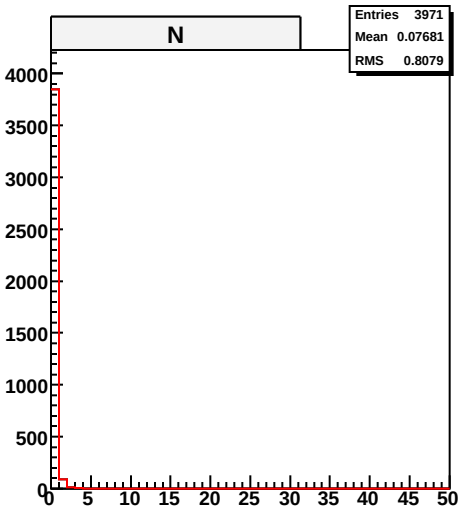
CFT Hit Fiber (Clusters on tracks)

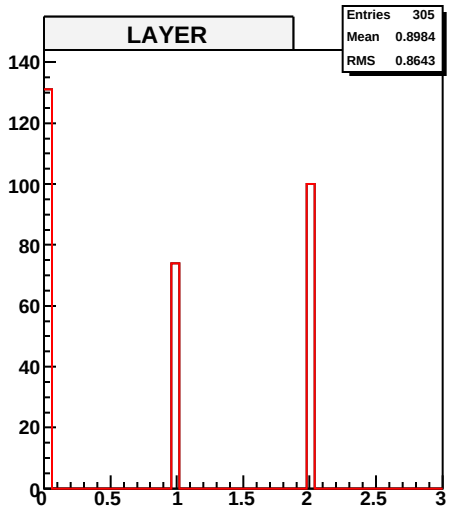


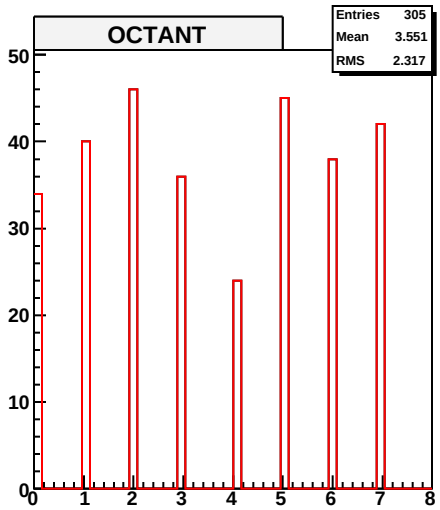
CFT Hit Fiber Discriminator (Clusters on tracks)

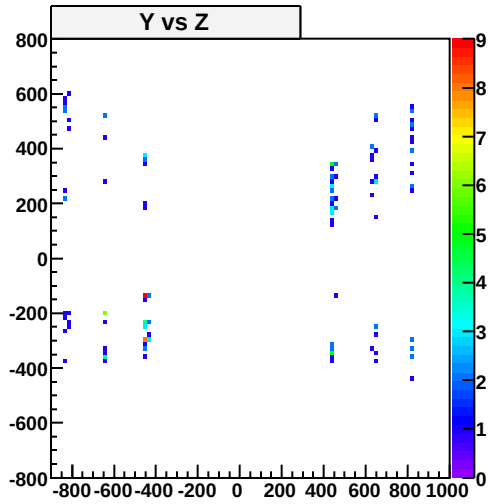

N
Entries 3971
Mean 1.884
RMS 4.494
LAYER
Entries 7569
Mean 1.155
RMS 0.8078
OCTANT
Entries 7569
Mean 2.76
RMS 2.141
Y vs Z
X vs Z
Y vs X
DDIST
Entries 7569
Mean 2.595
RMS 1.754
DTIME
Entries 7569
Mean 308.2
RMS 182.1

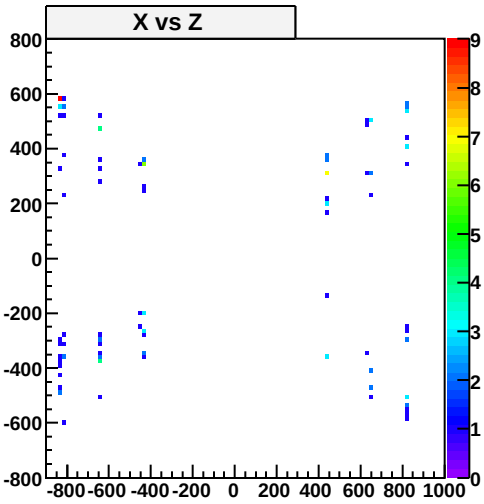
MuonPDT (All)

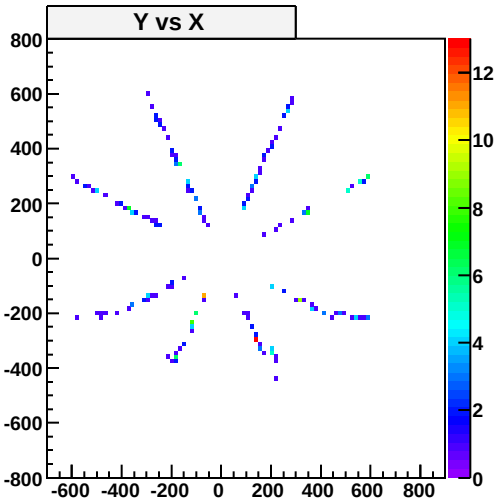

N
Entries 3971
Mean 0.07681
RMS 0.8079

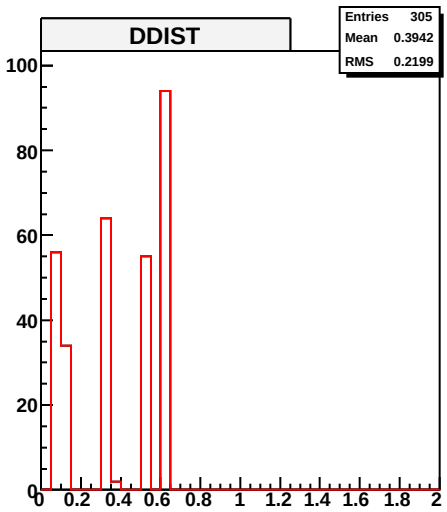

LAYER
Entries 305
Mean 0.8984
RMS 0.8643

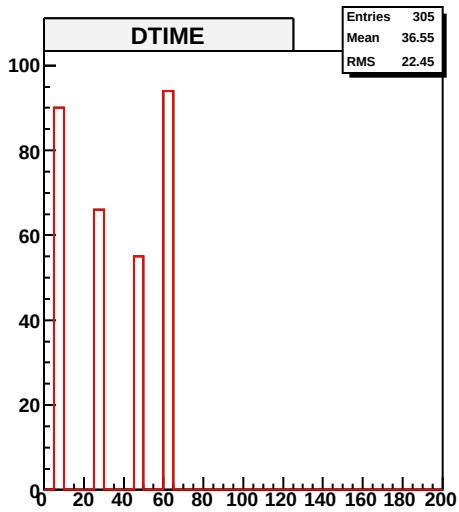

OCTANT
Entries 305
Mean 3.551
RMS 2.317


Y vs Z

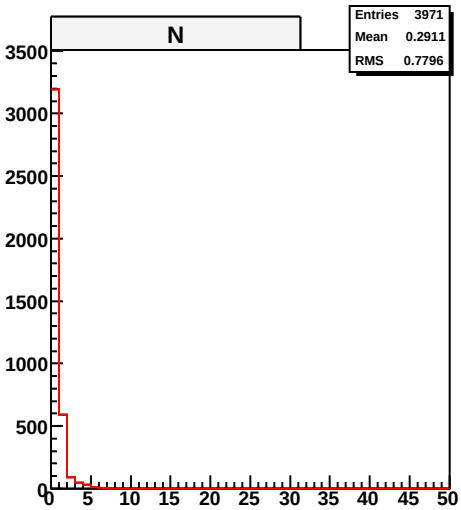

X vs Z

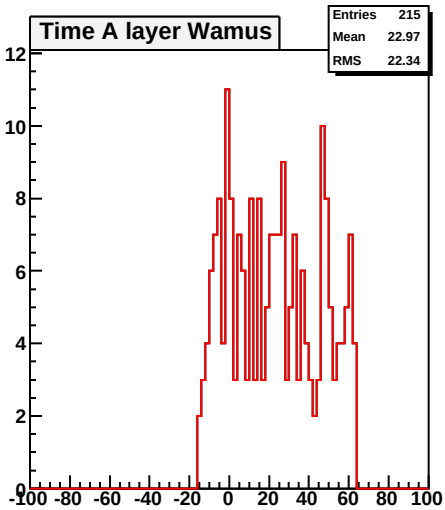

Y vs X

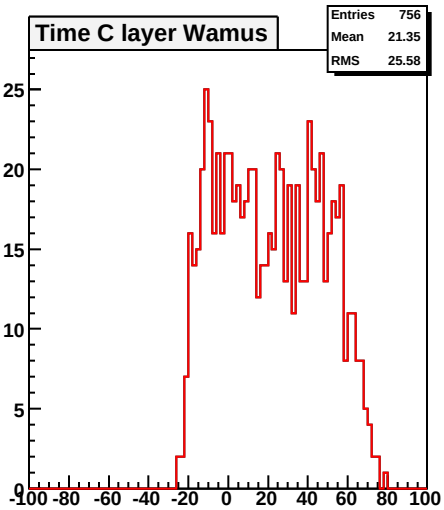

DDIST
Entries 305
Mean 0.3942
RMS 0.2199

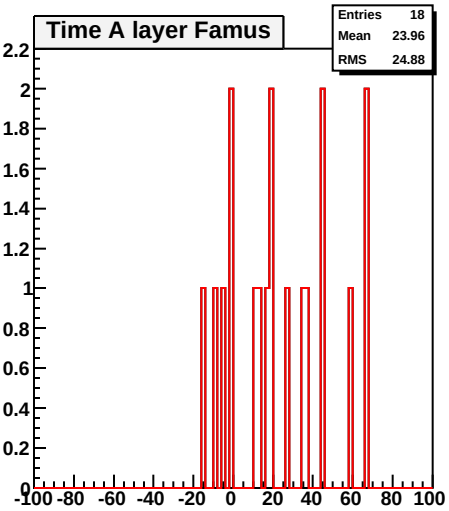

DTIME
Entries 305
Mean 36.55
RMS 22.45

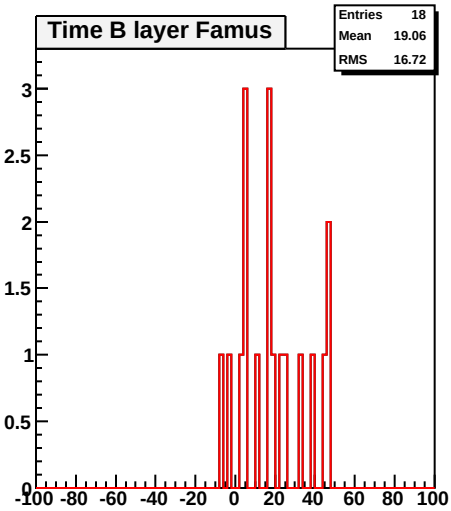
MuonMDT (All)

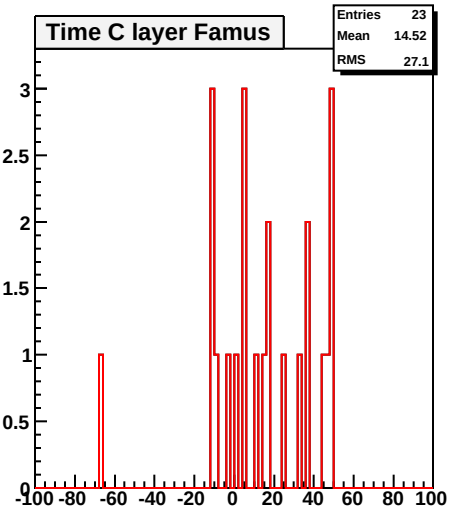

N
Entries 3971
Mean 0.2911
RMS 0.7796

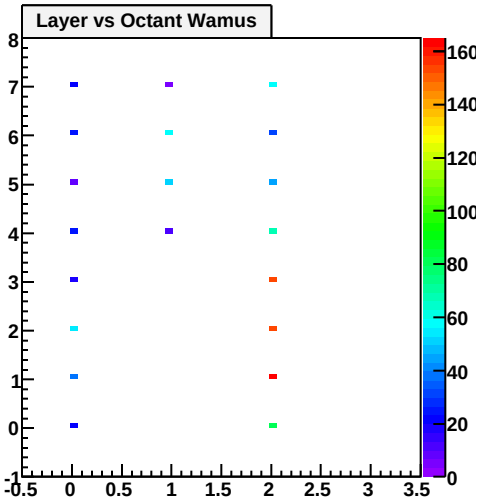

Time A layer Wamus
Entries 215
Mean 22.97
RMS 22.34

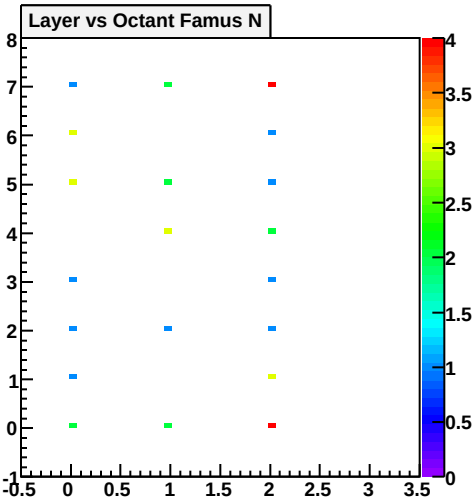

Time C layer Wamus
Entries 756
Mean 21.35
RMS 25.58


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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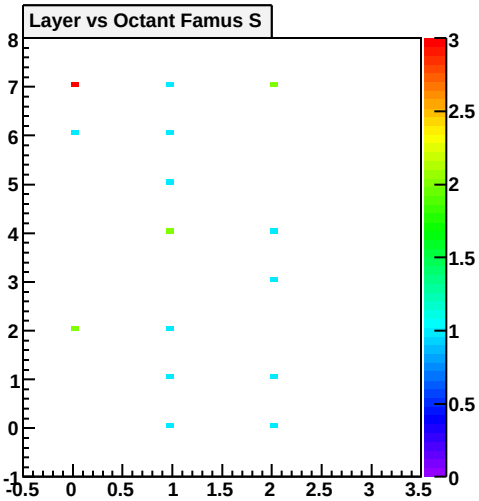
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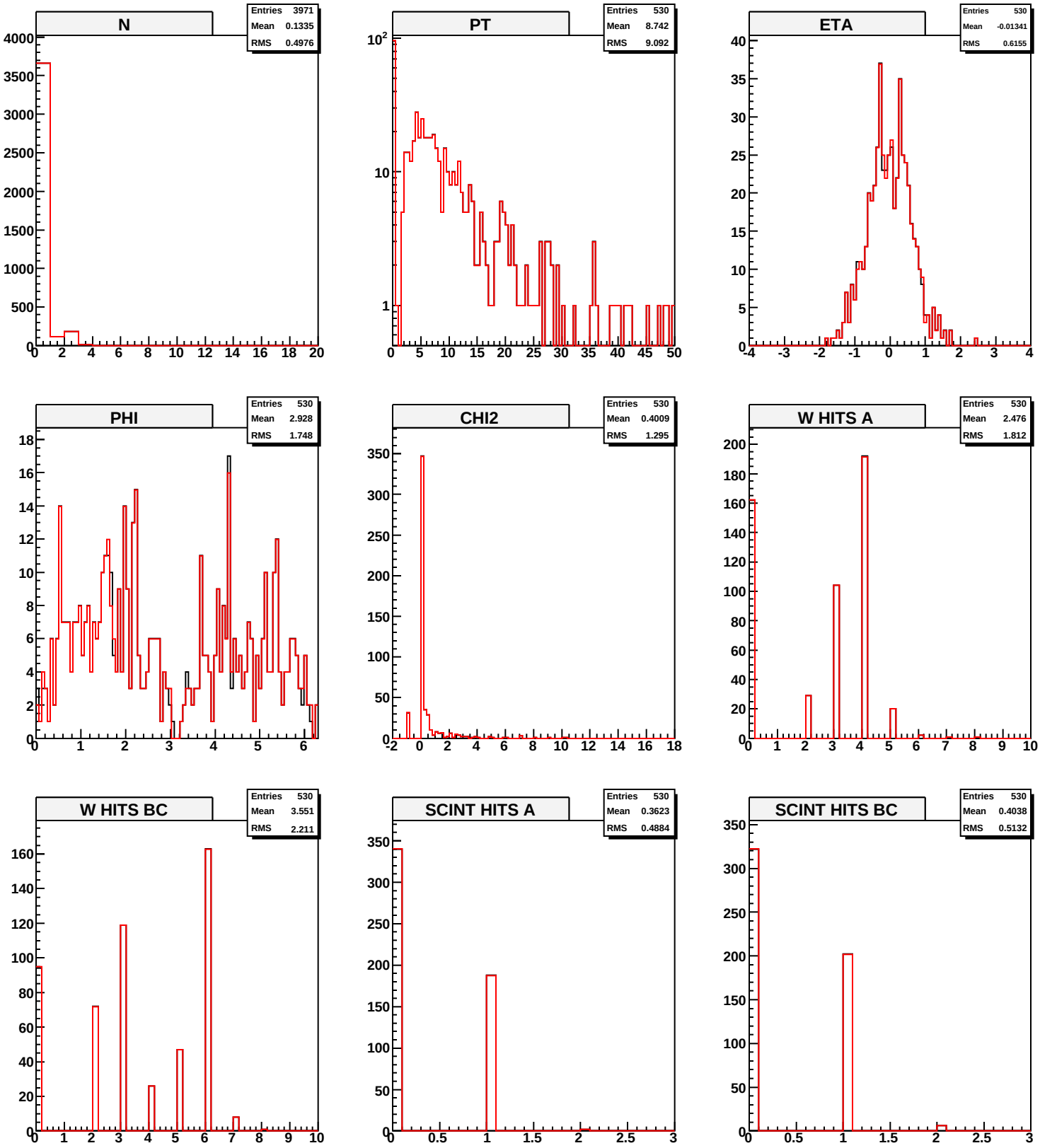
MuonMSC (All)



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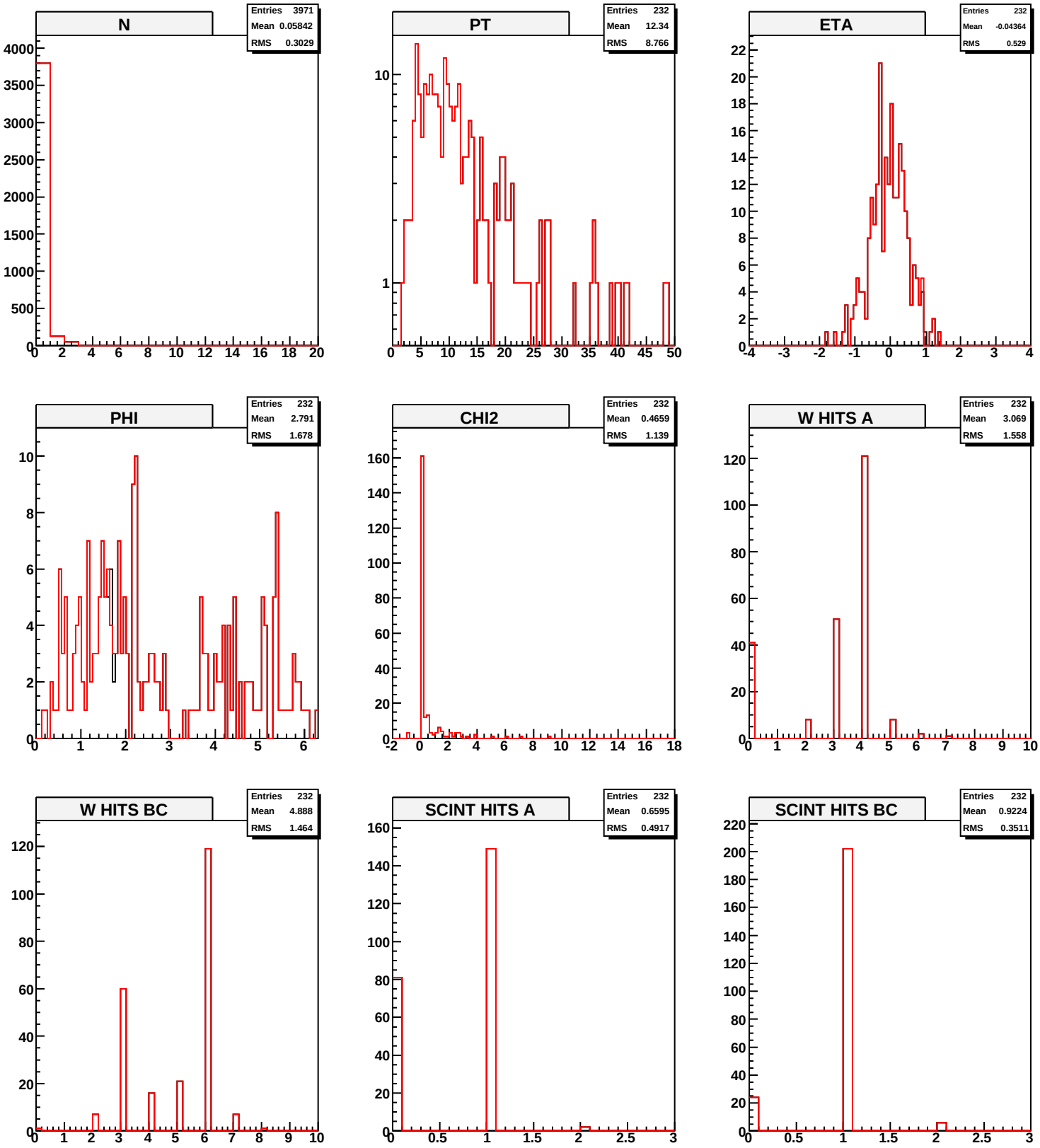
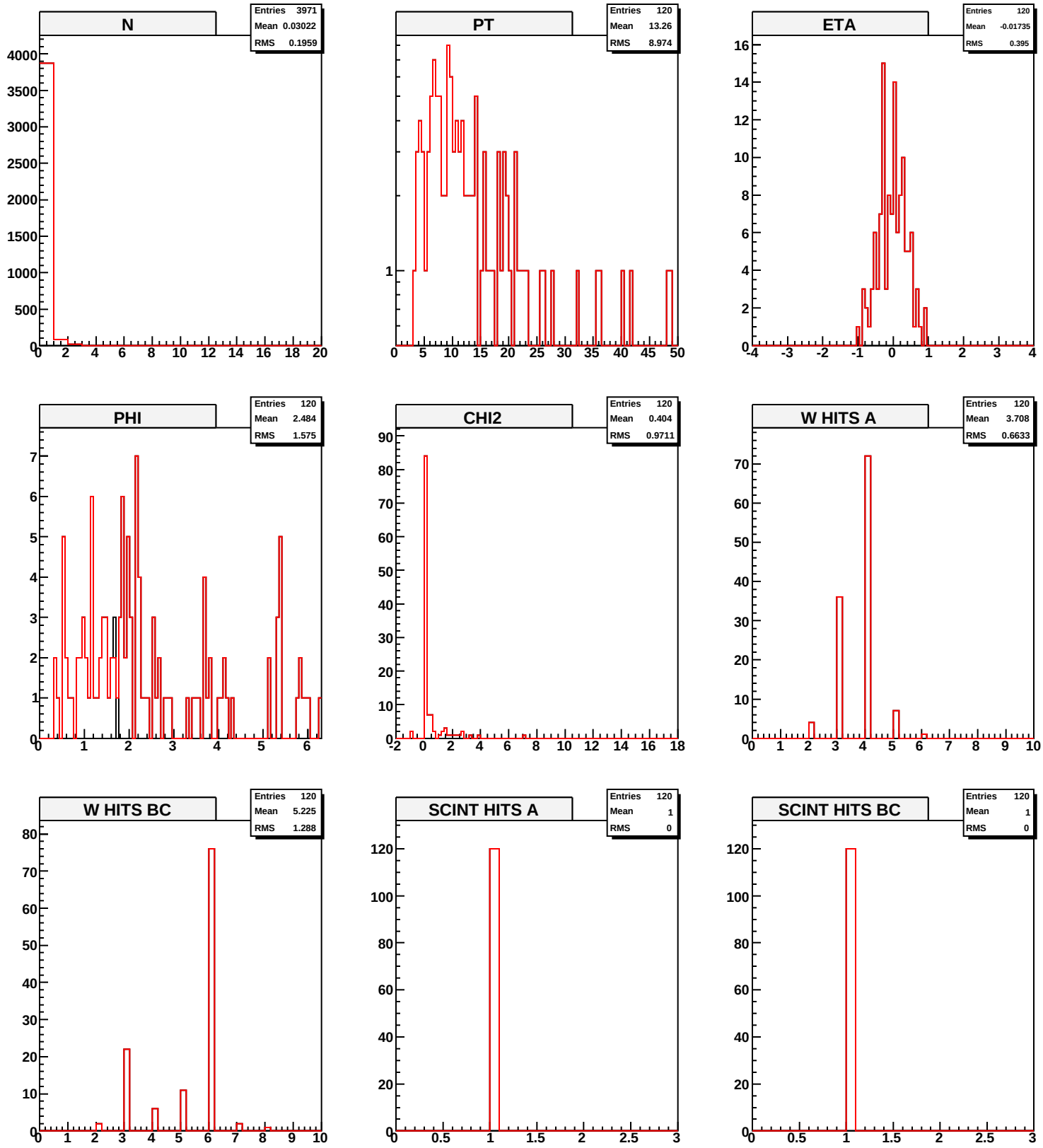


Muon Local Tracks (LooseWamus)



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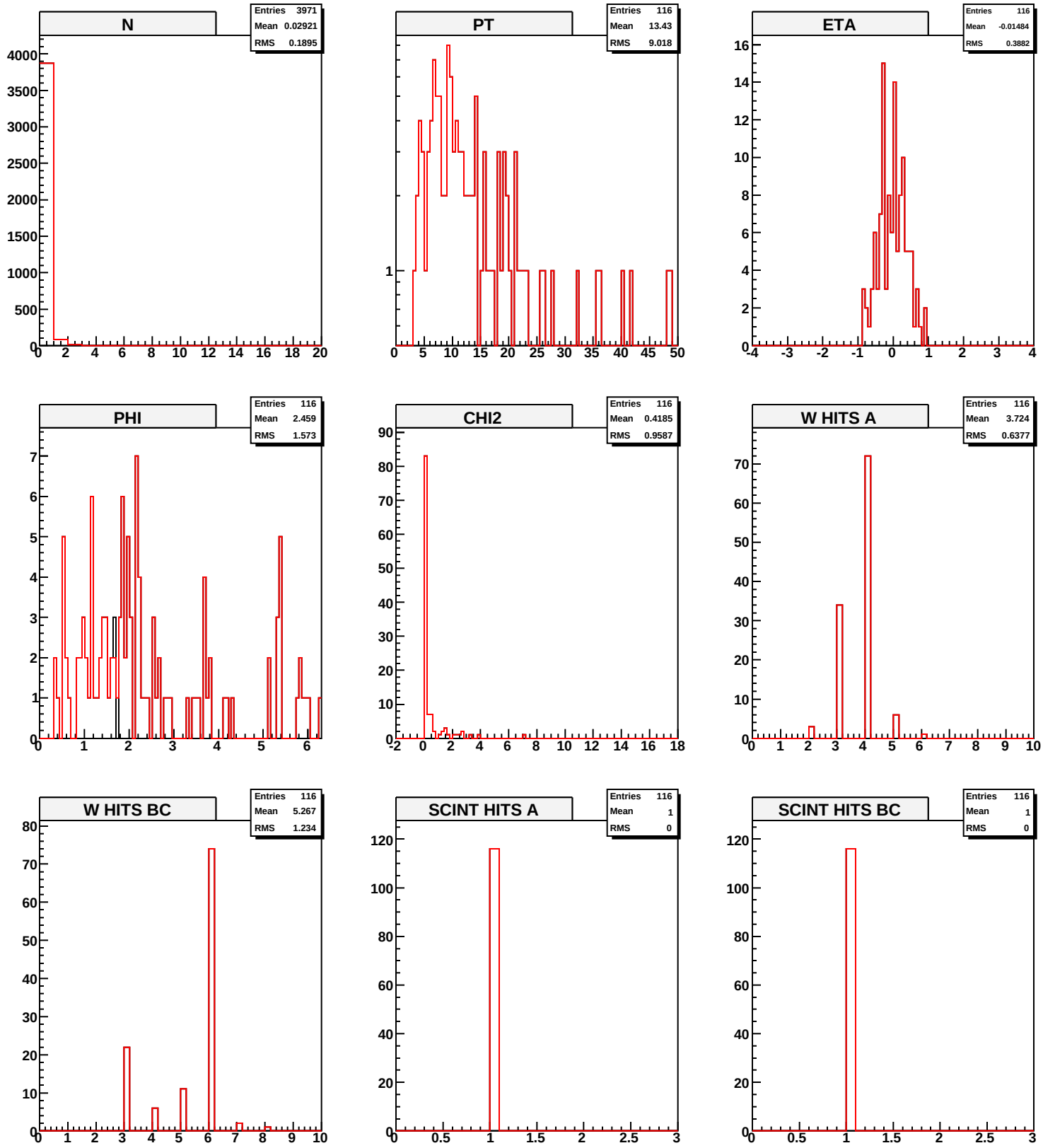

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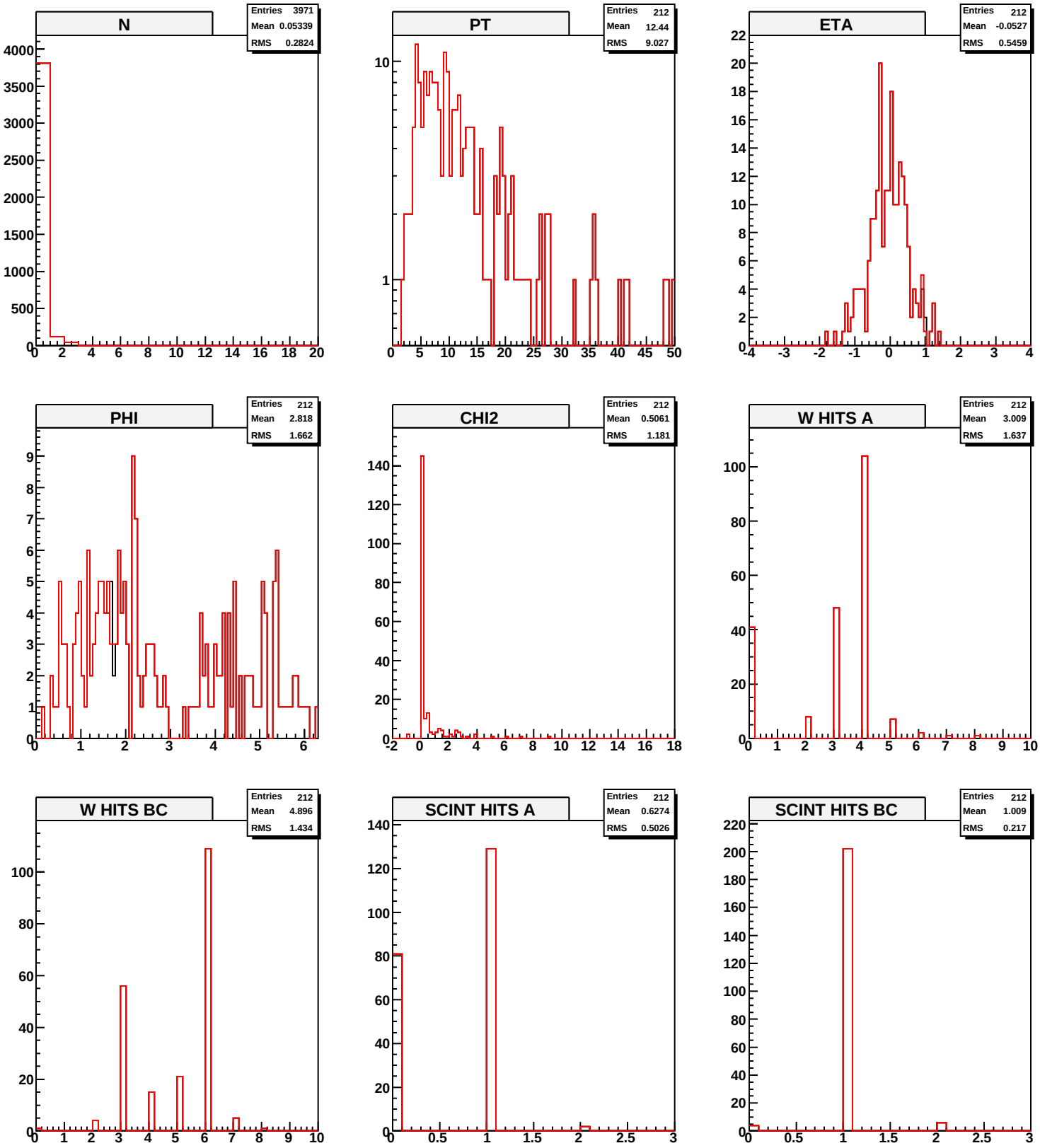

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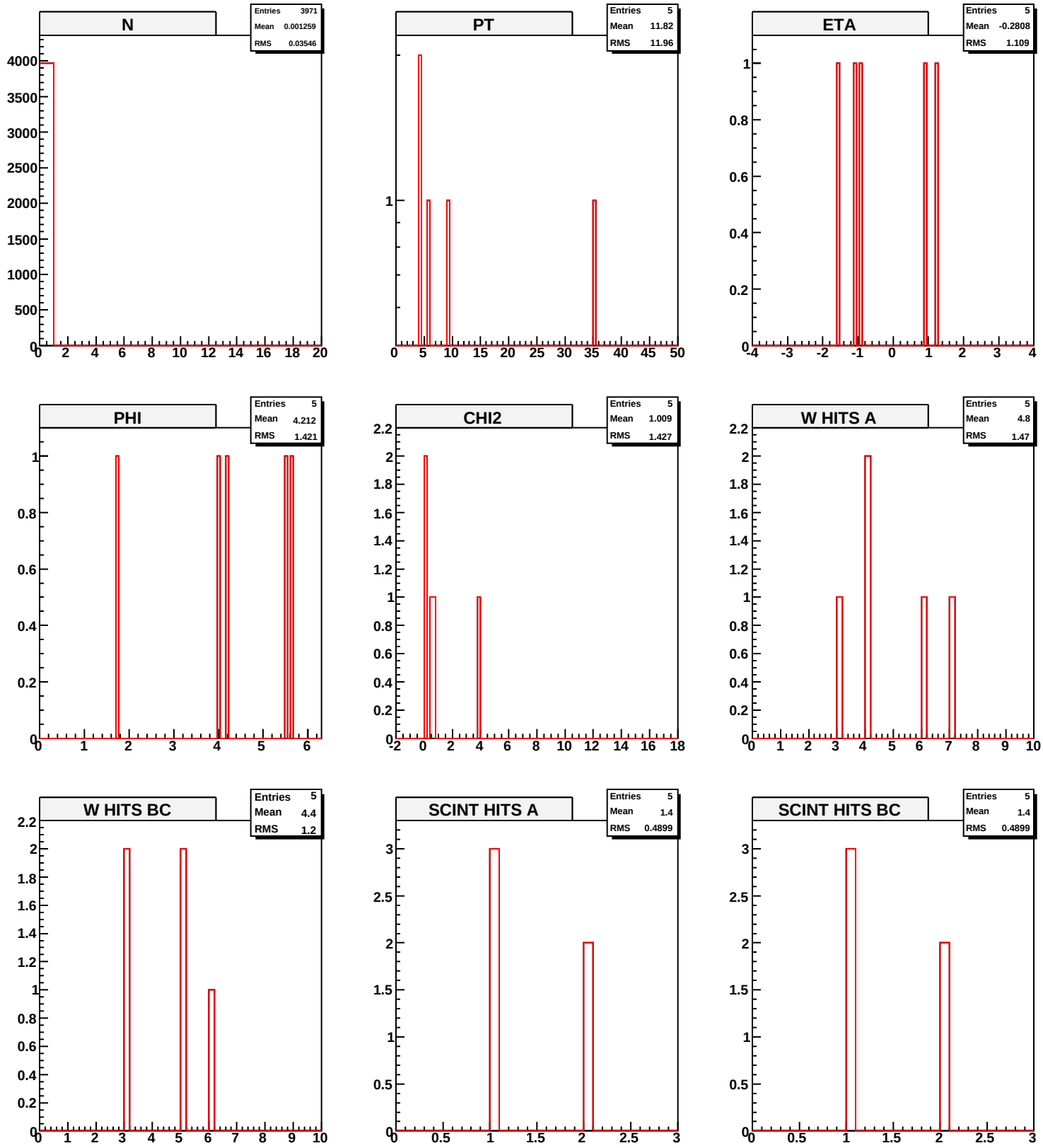

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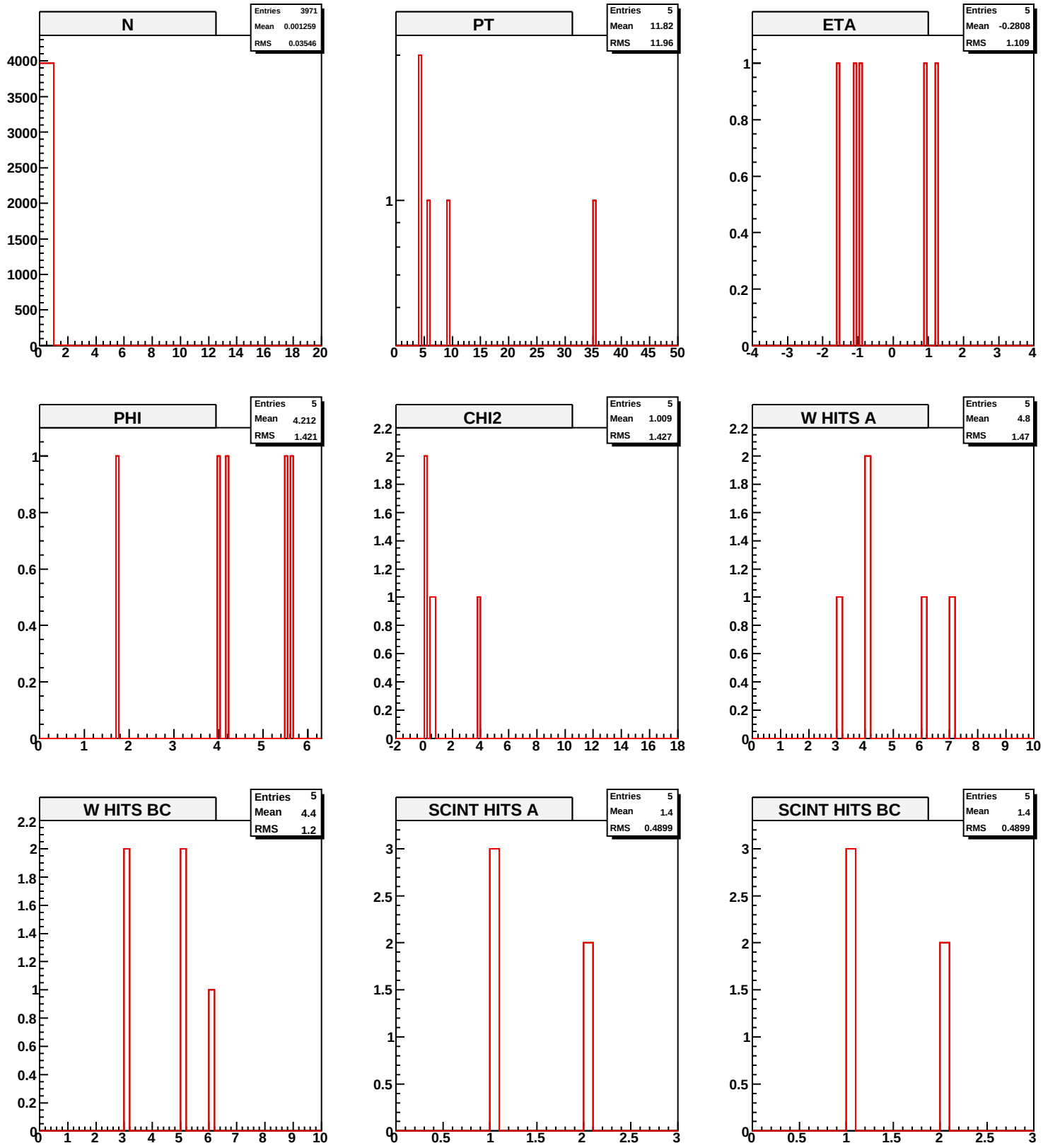

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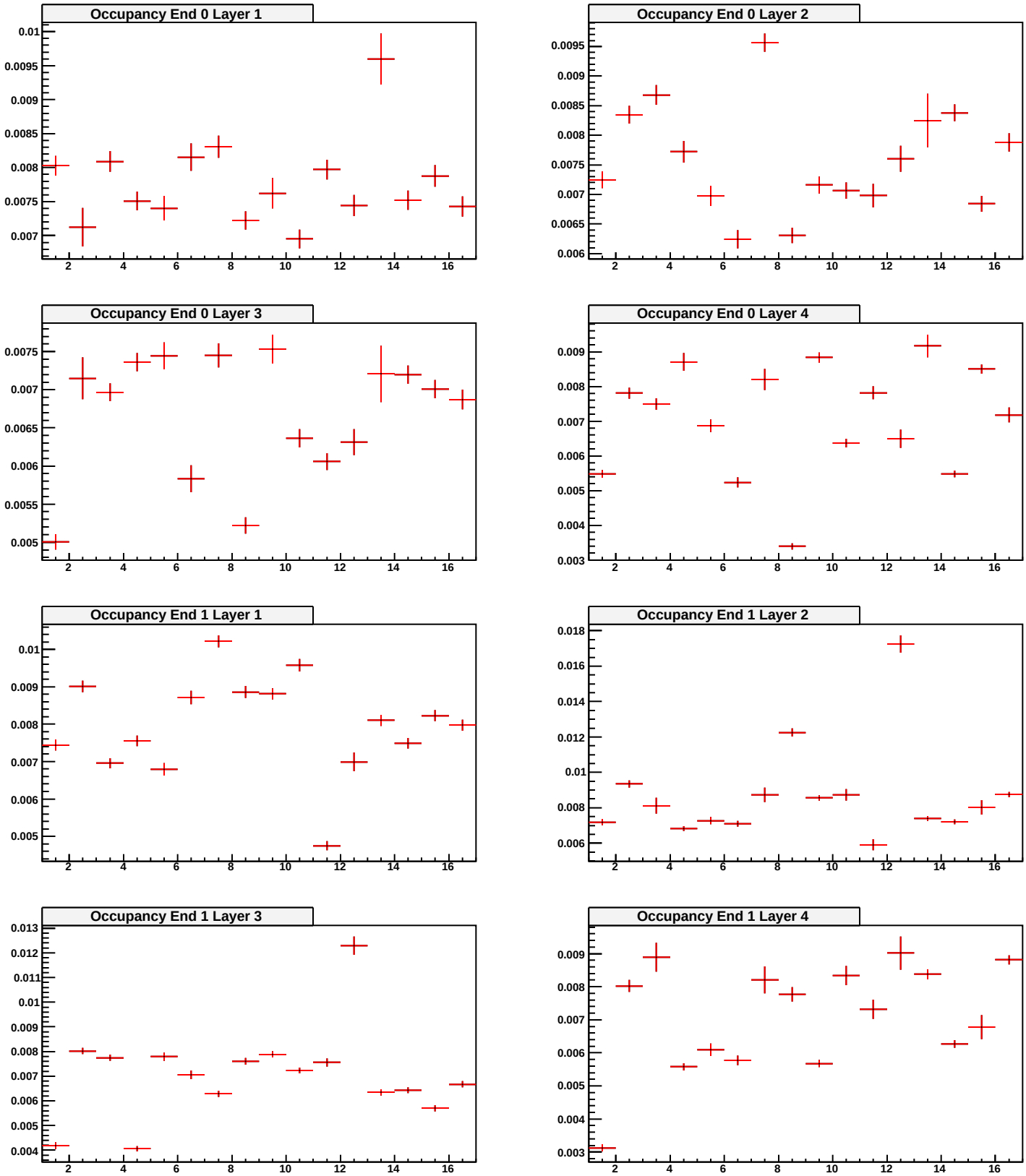
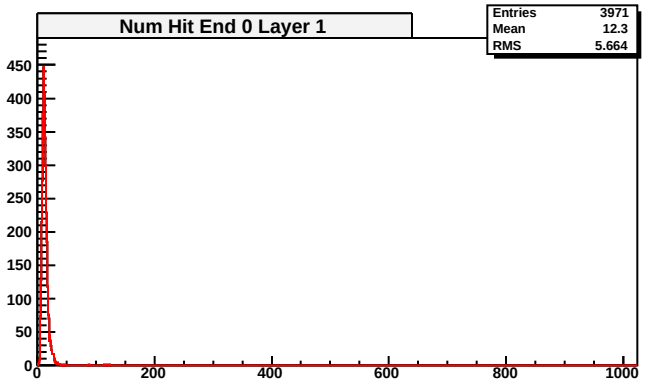
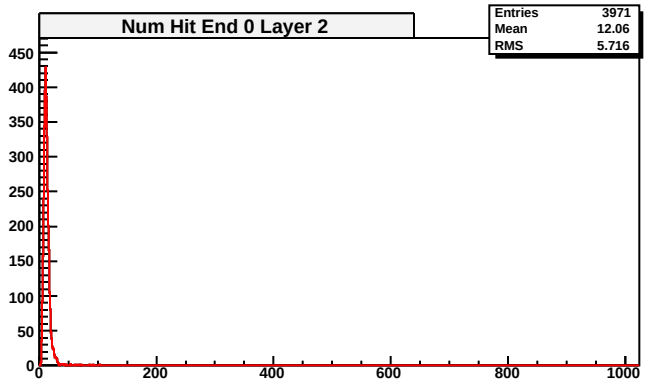
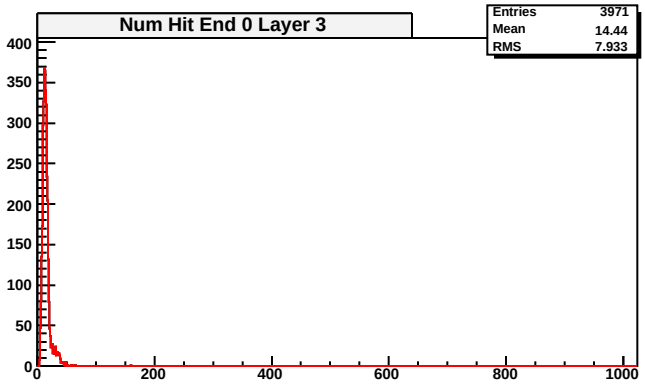
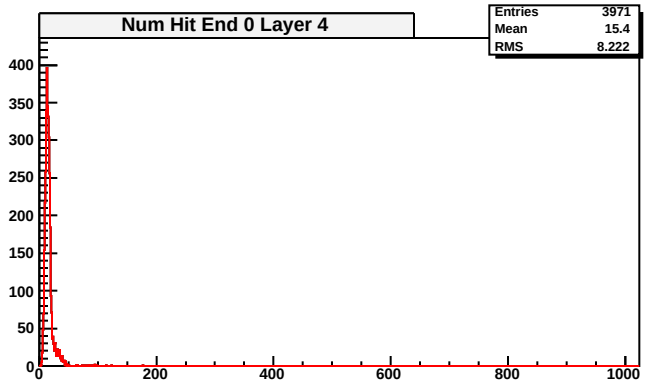


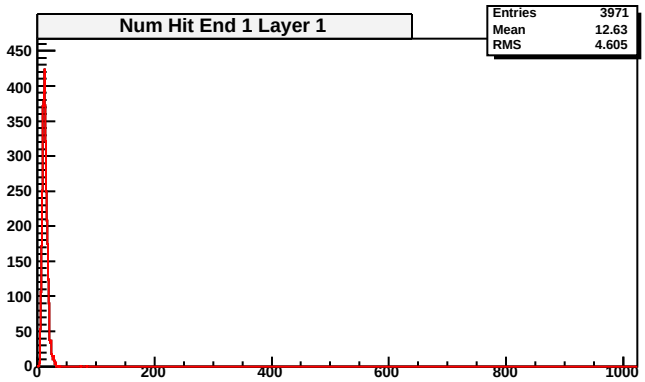
FPS Hit Occupancy (All)

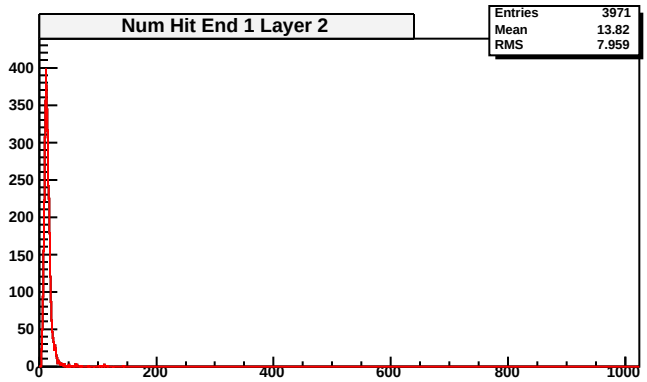


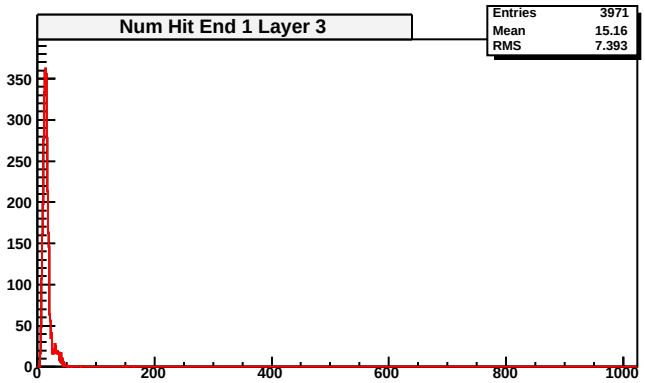


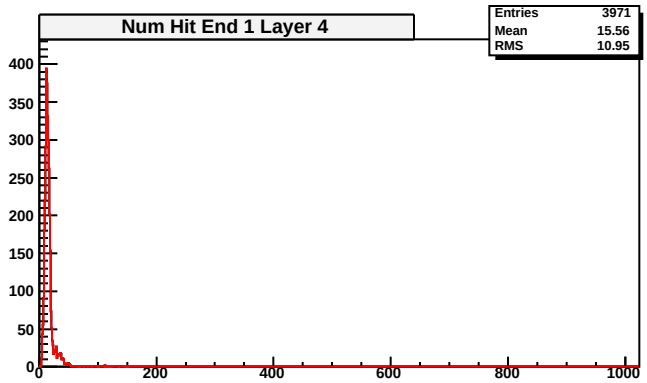




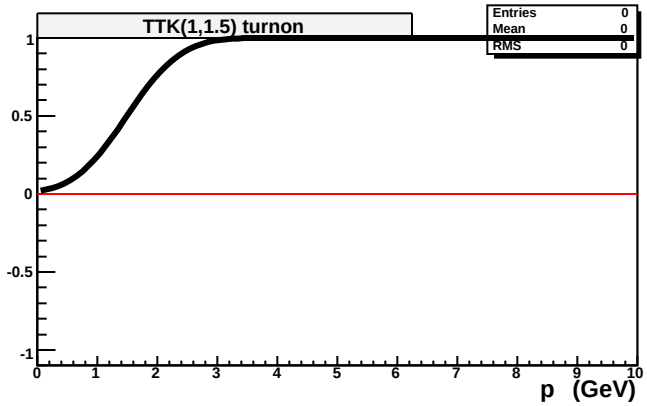


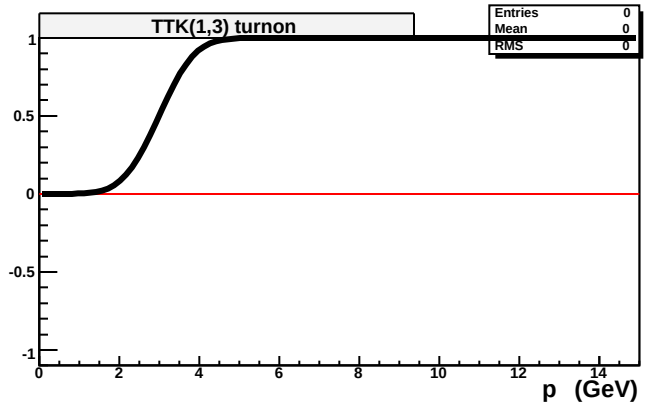


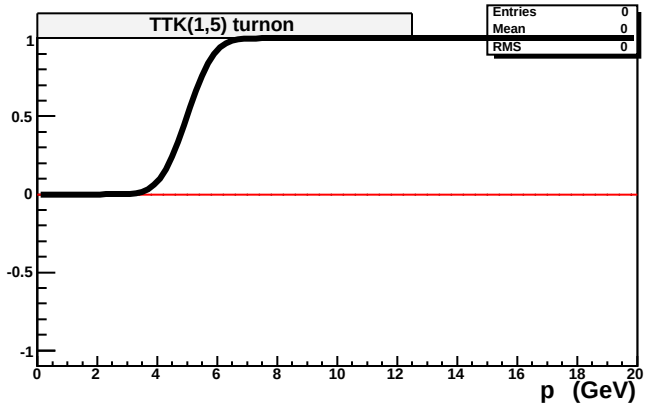


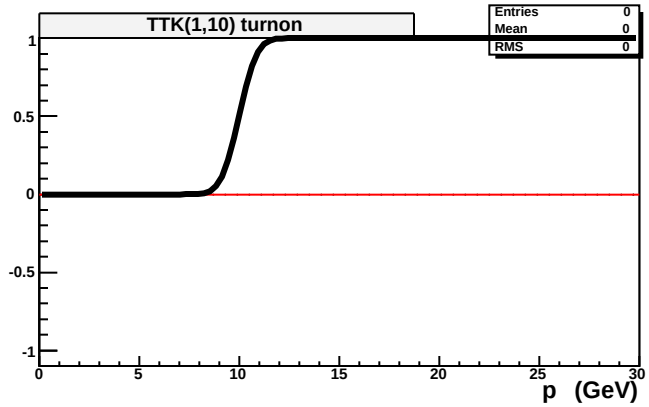


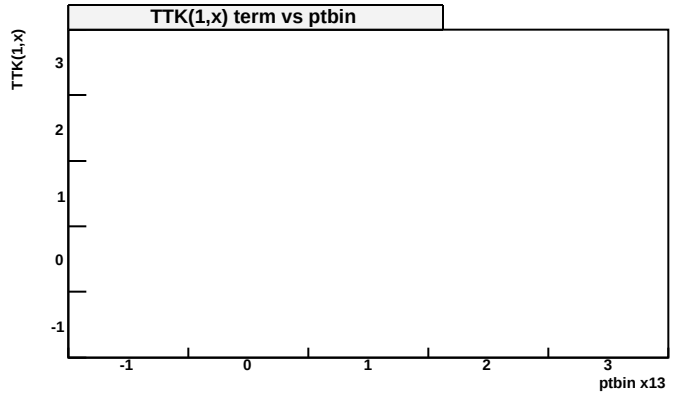
FPS Number of Hits (All)

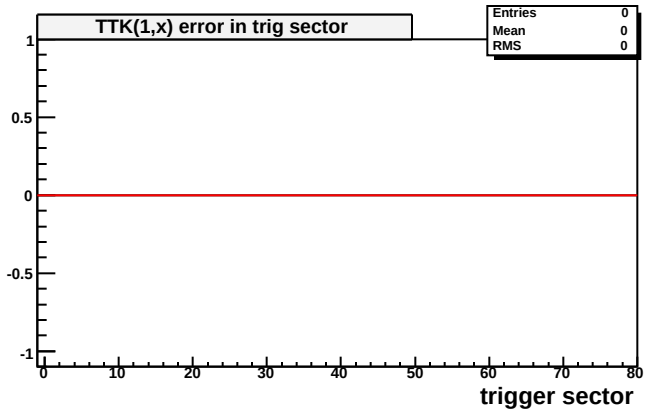


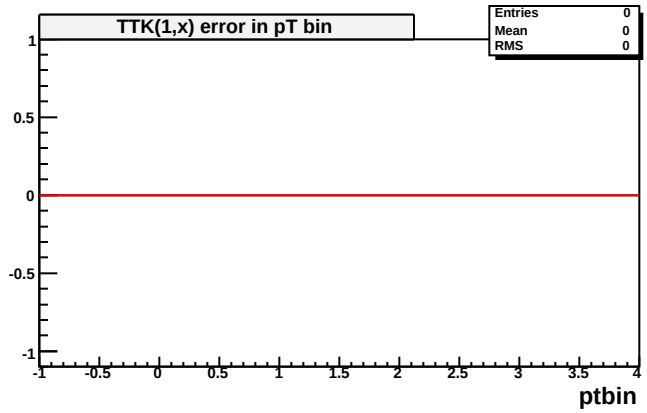




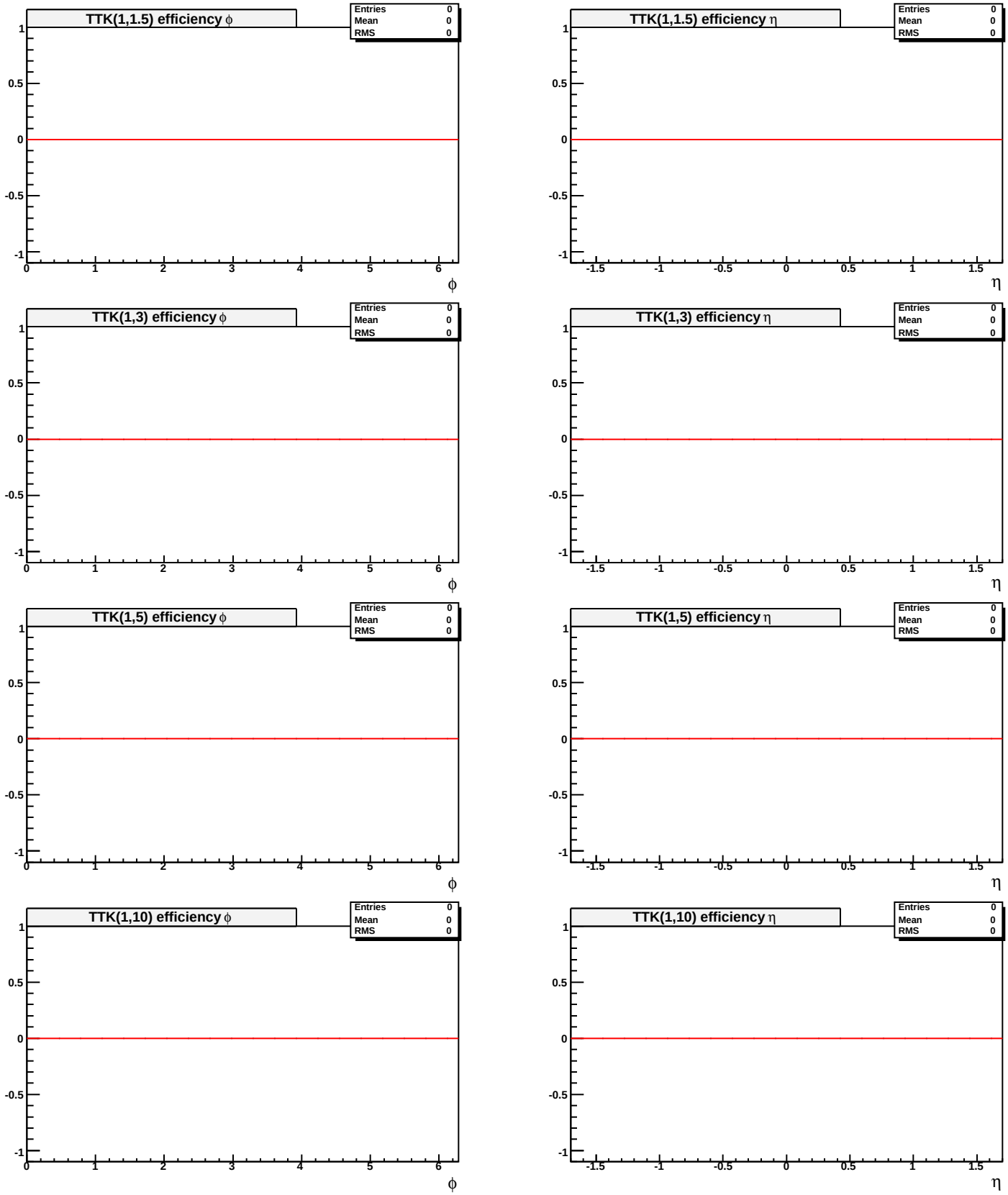








TTK (L1CTT All)



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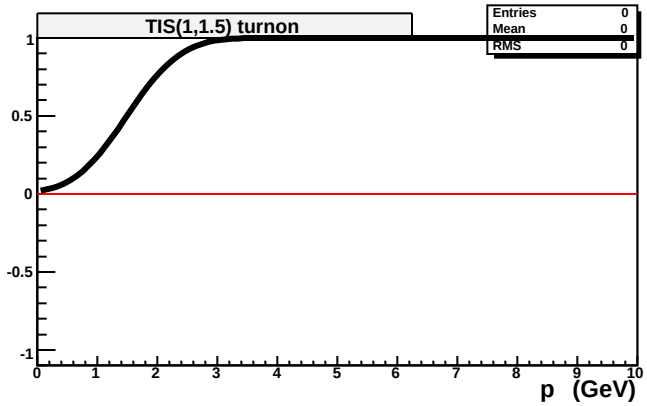

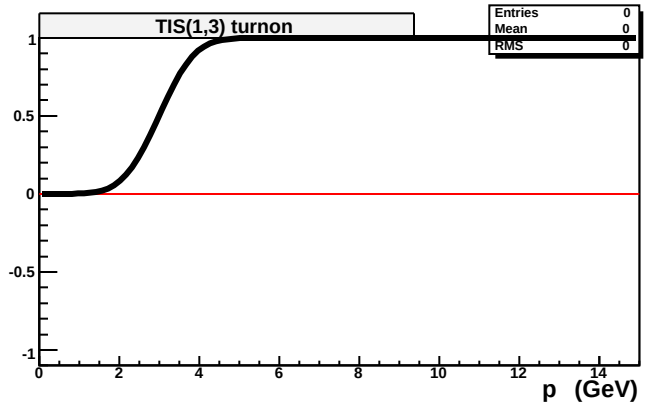

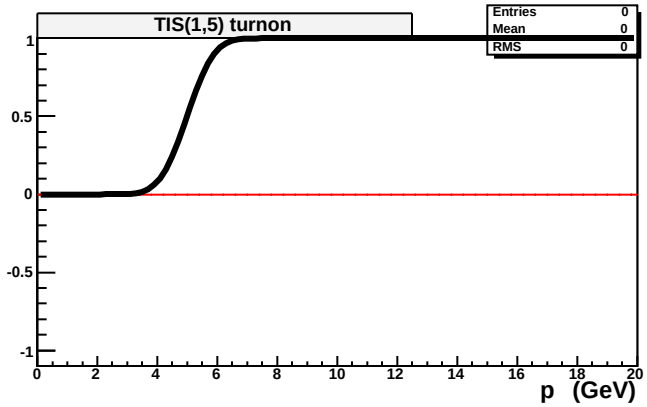

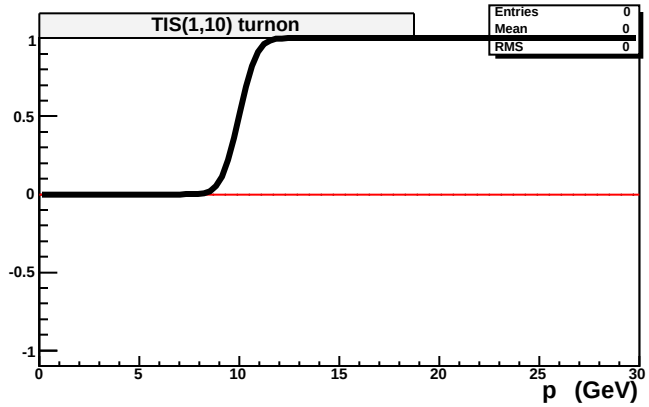

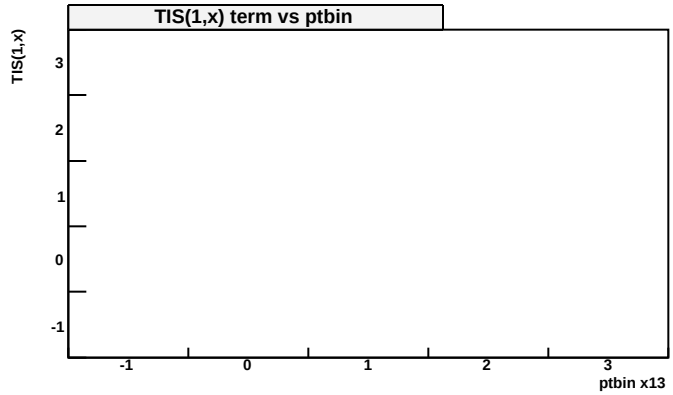

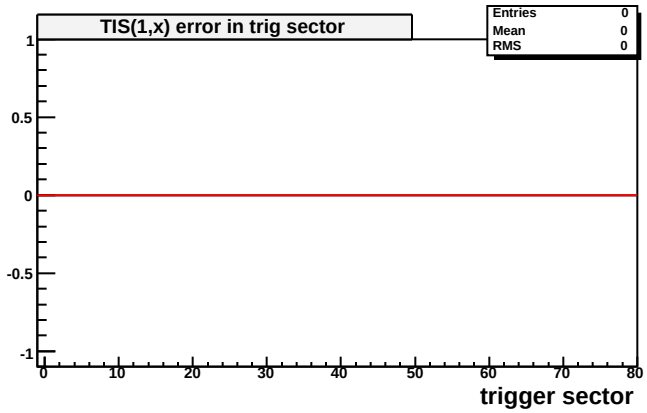

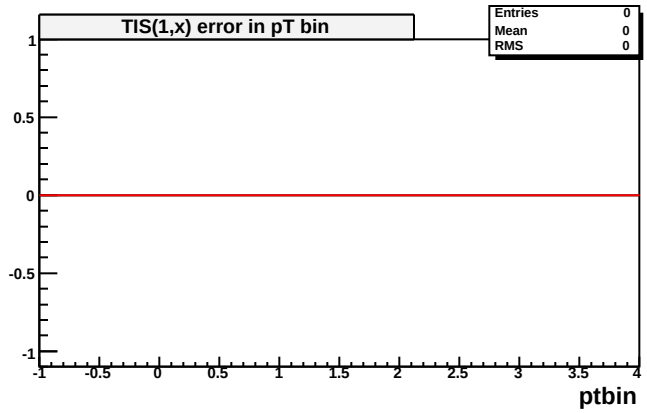

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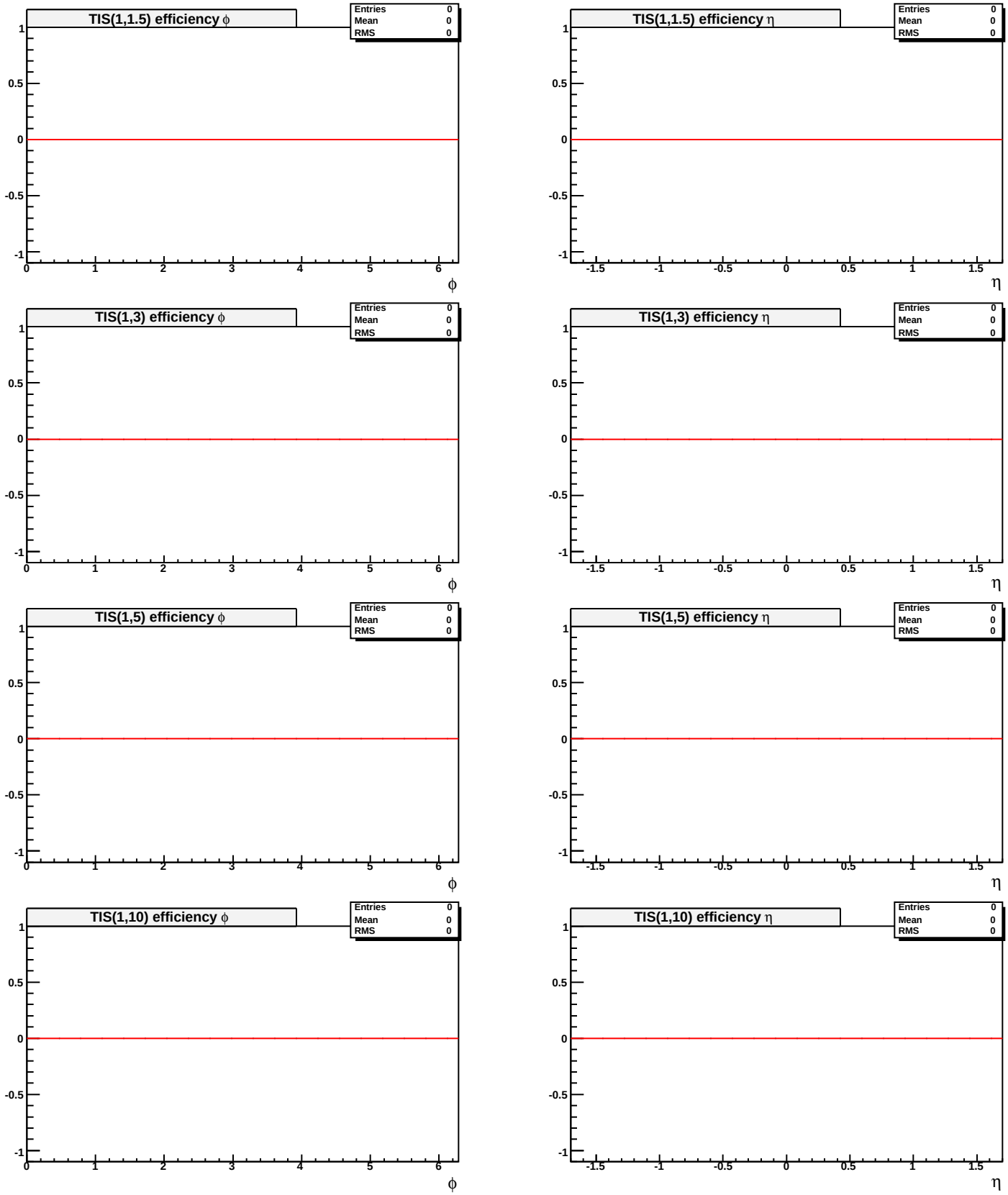

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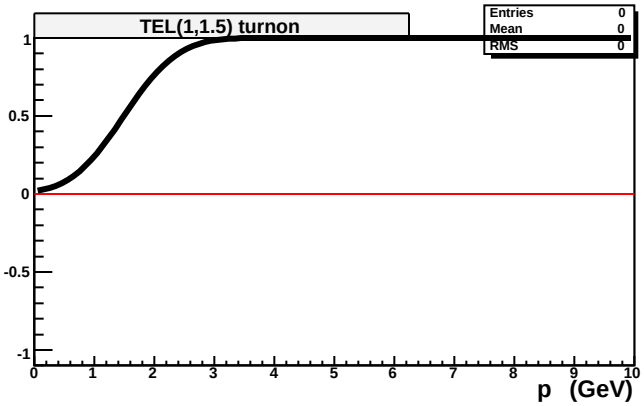

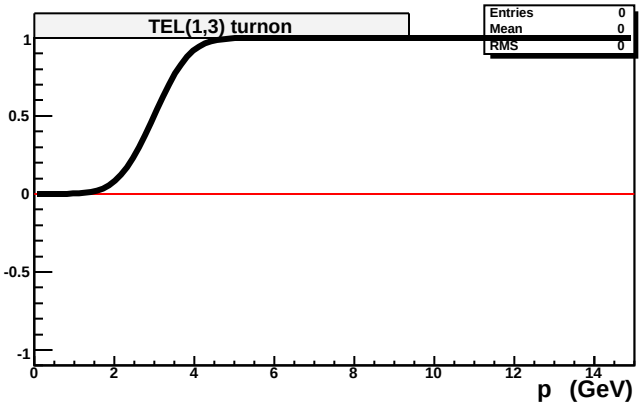

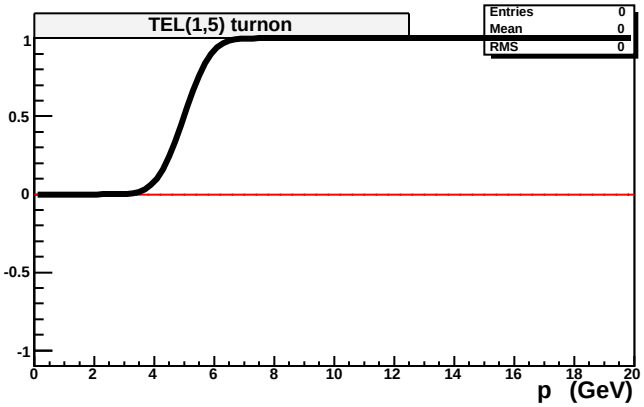

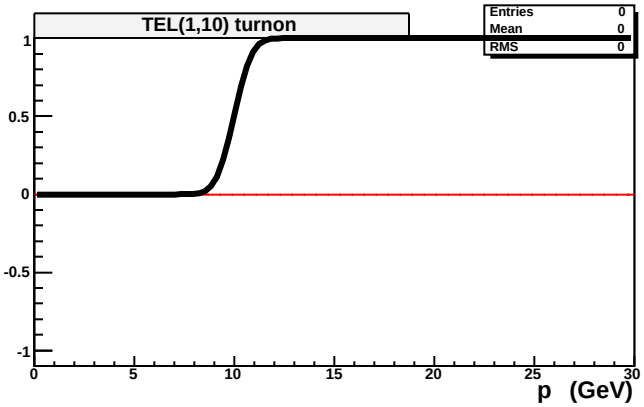

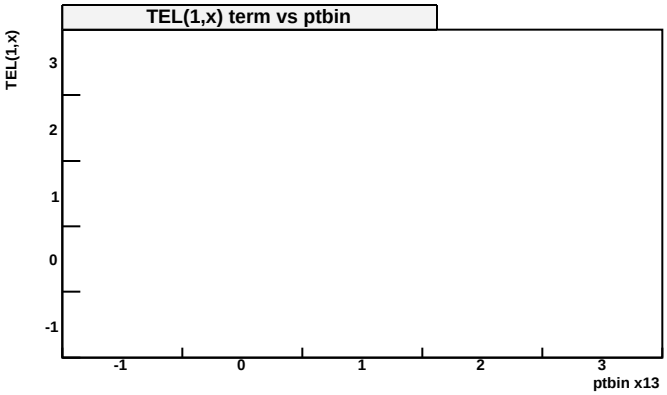

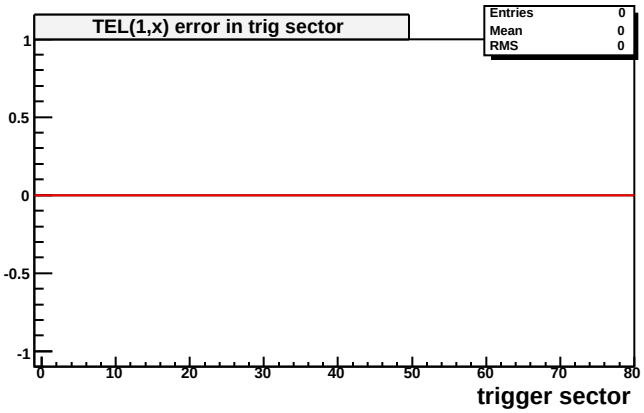

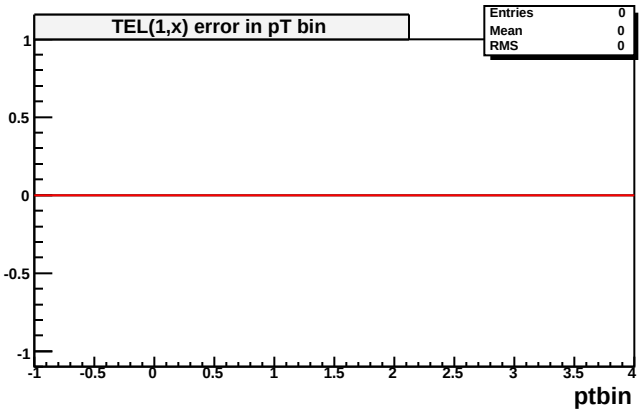

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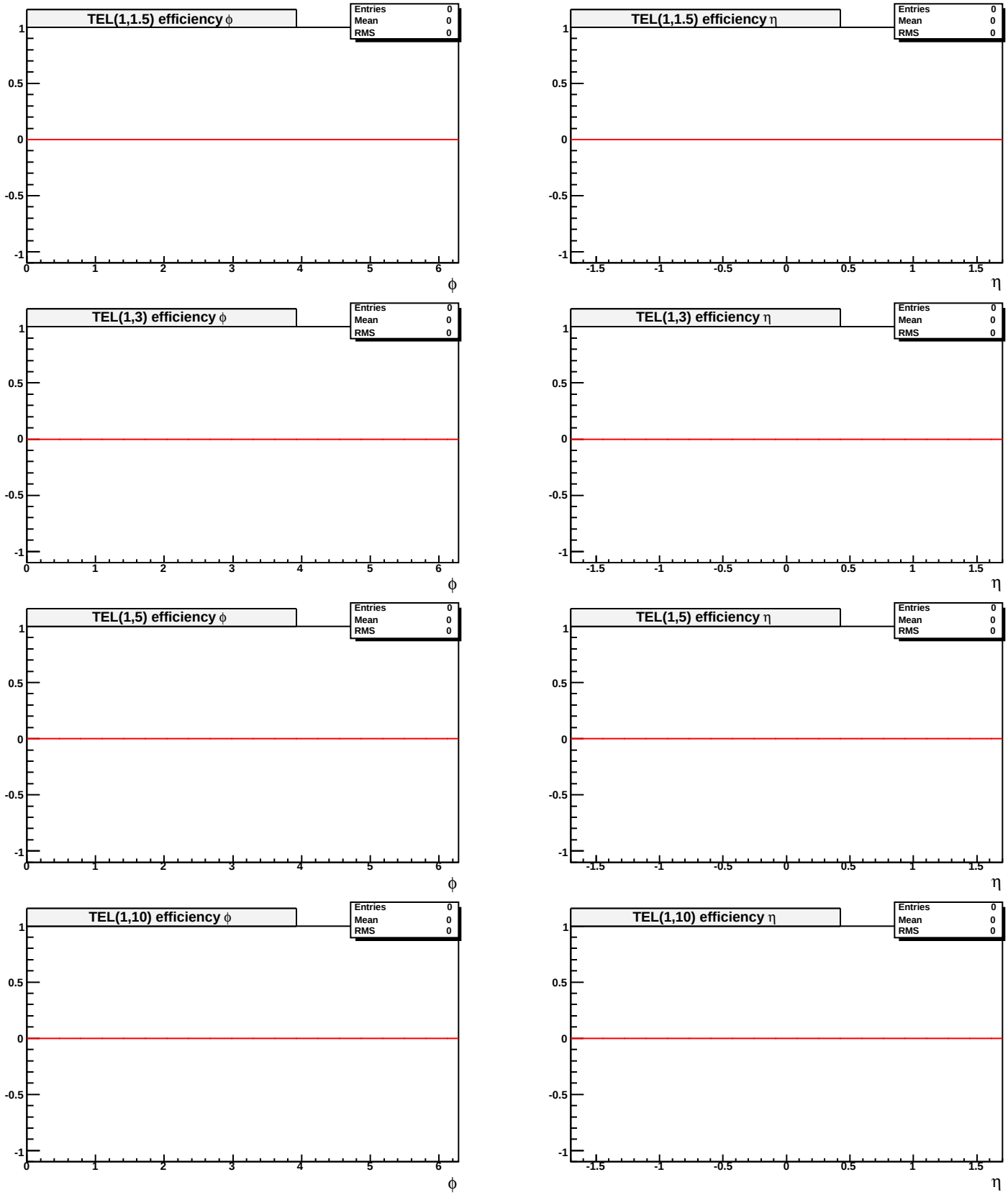

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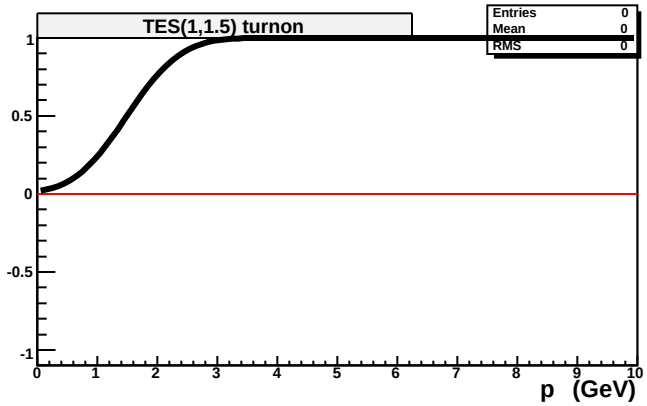

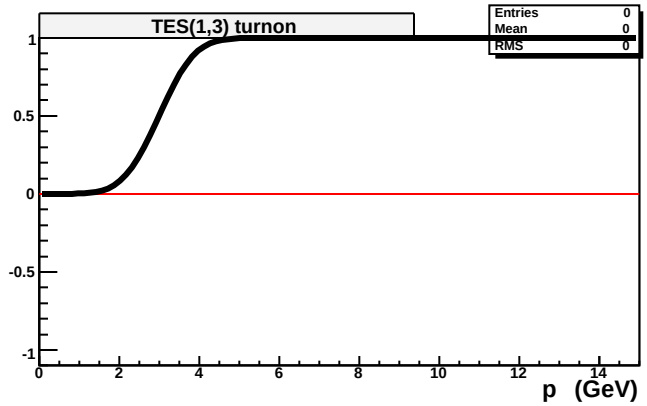

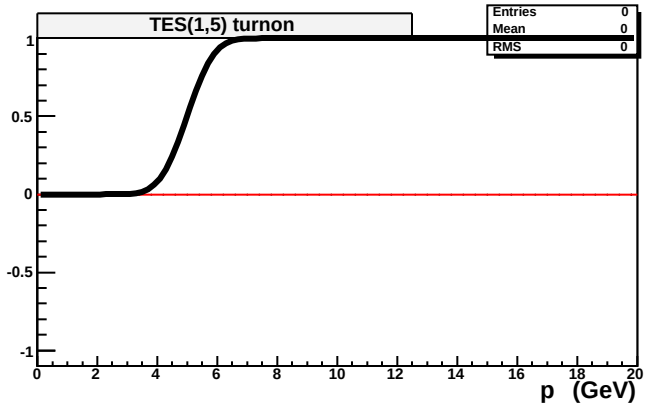

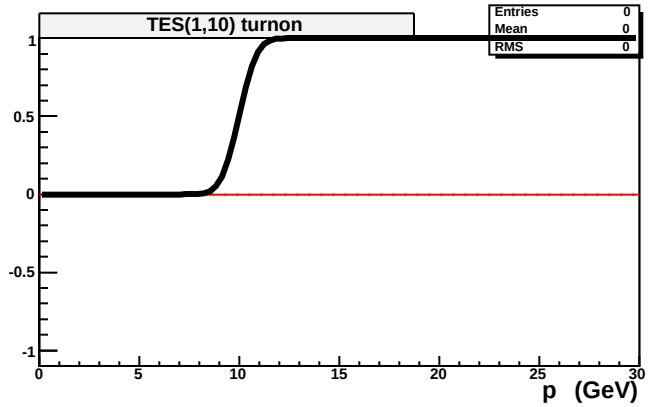

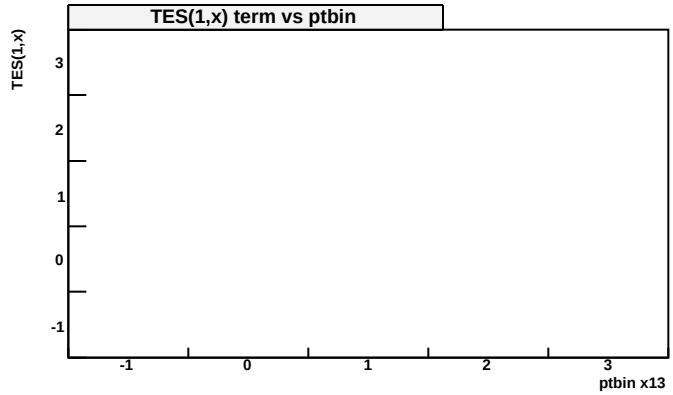

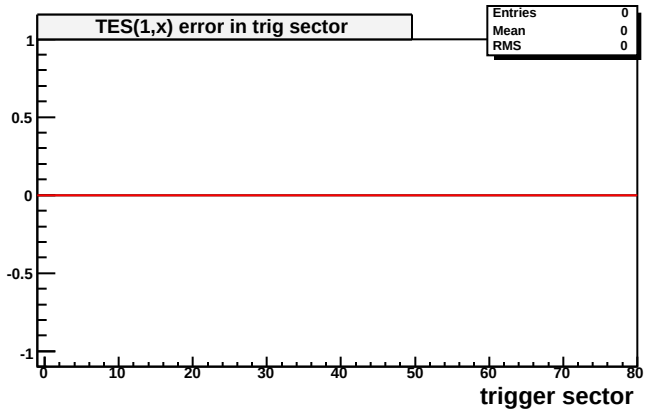

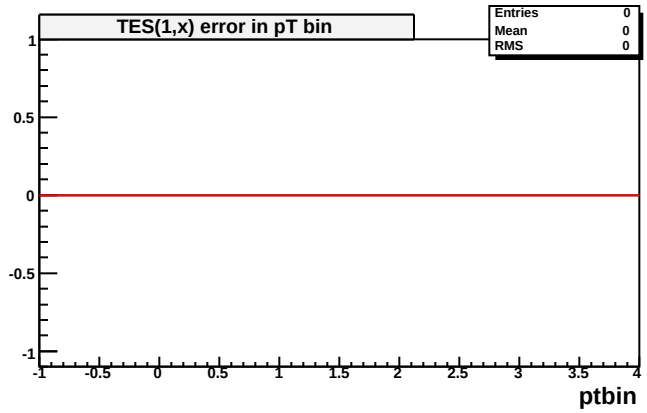

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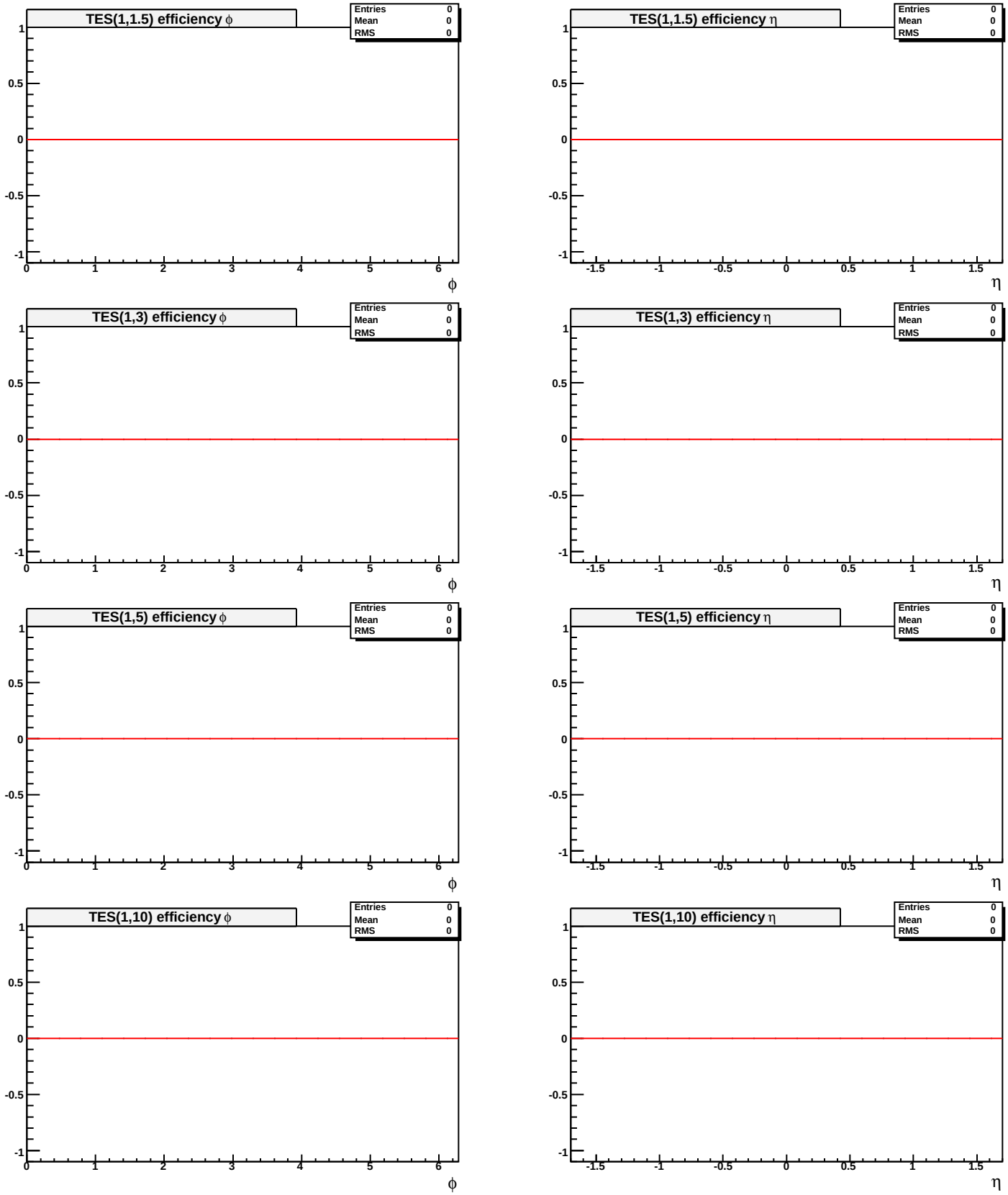
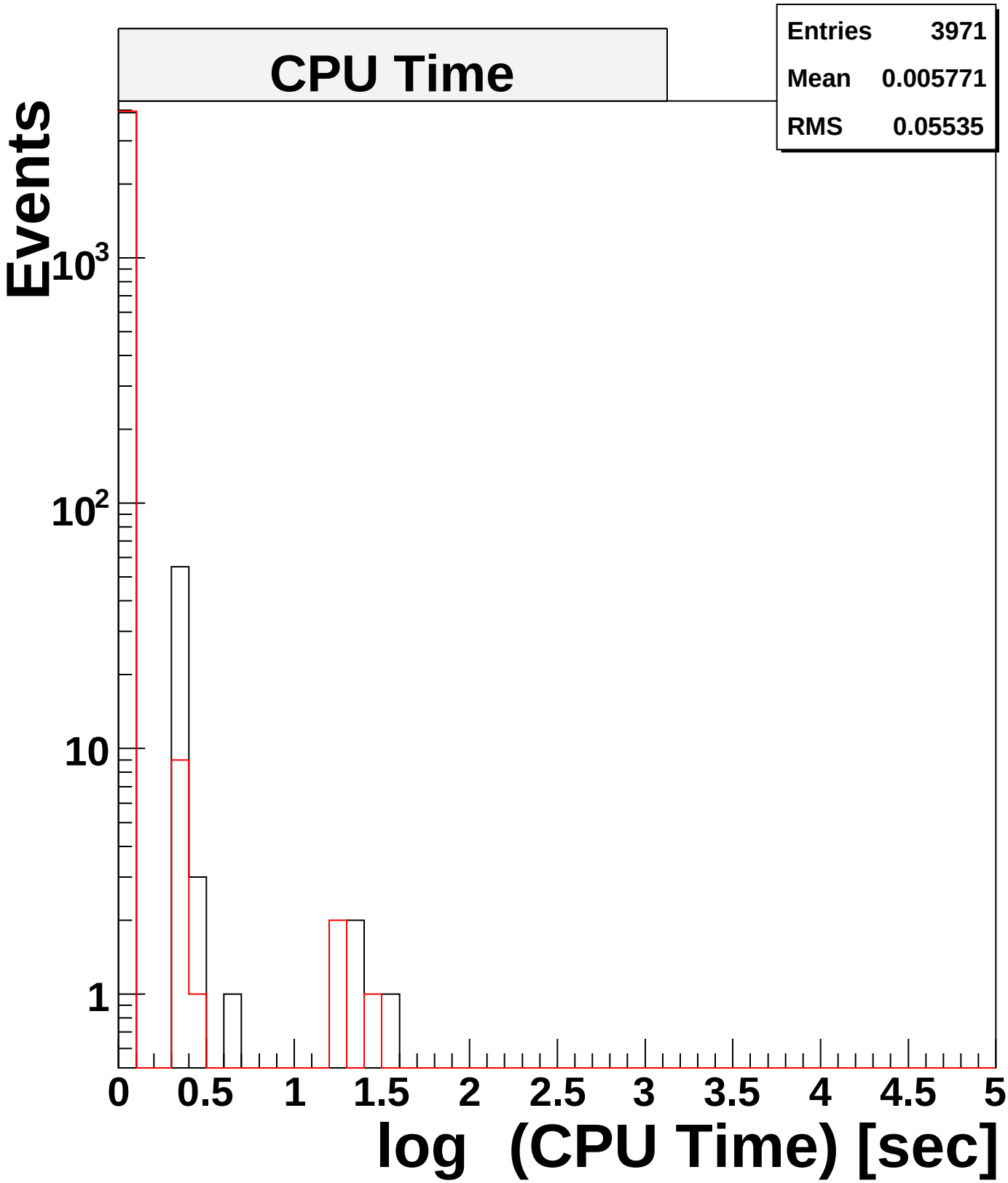


TES phi/eta (L1CTT All)



RECO Performance (Timing)