zee_p170602tmb_p170800fix.root
zee_p170800b8tmb.root

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Page 3: Tracks Hits (All)
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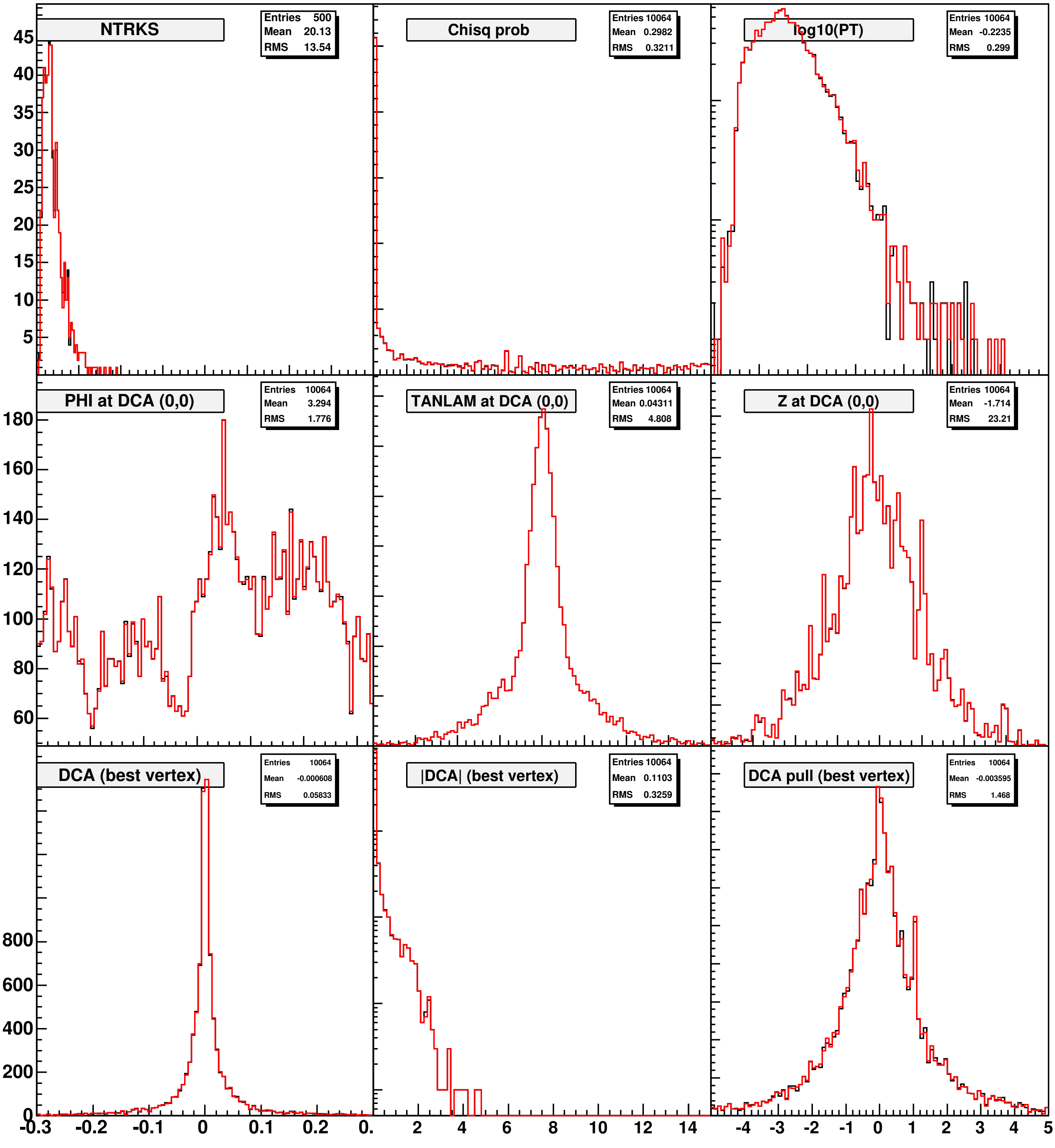
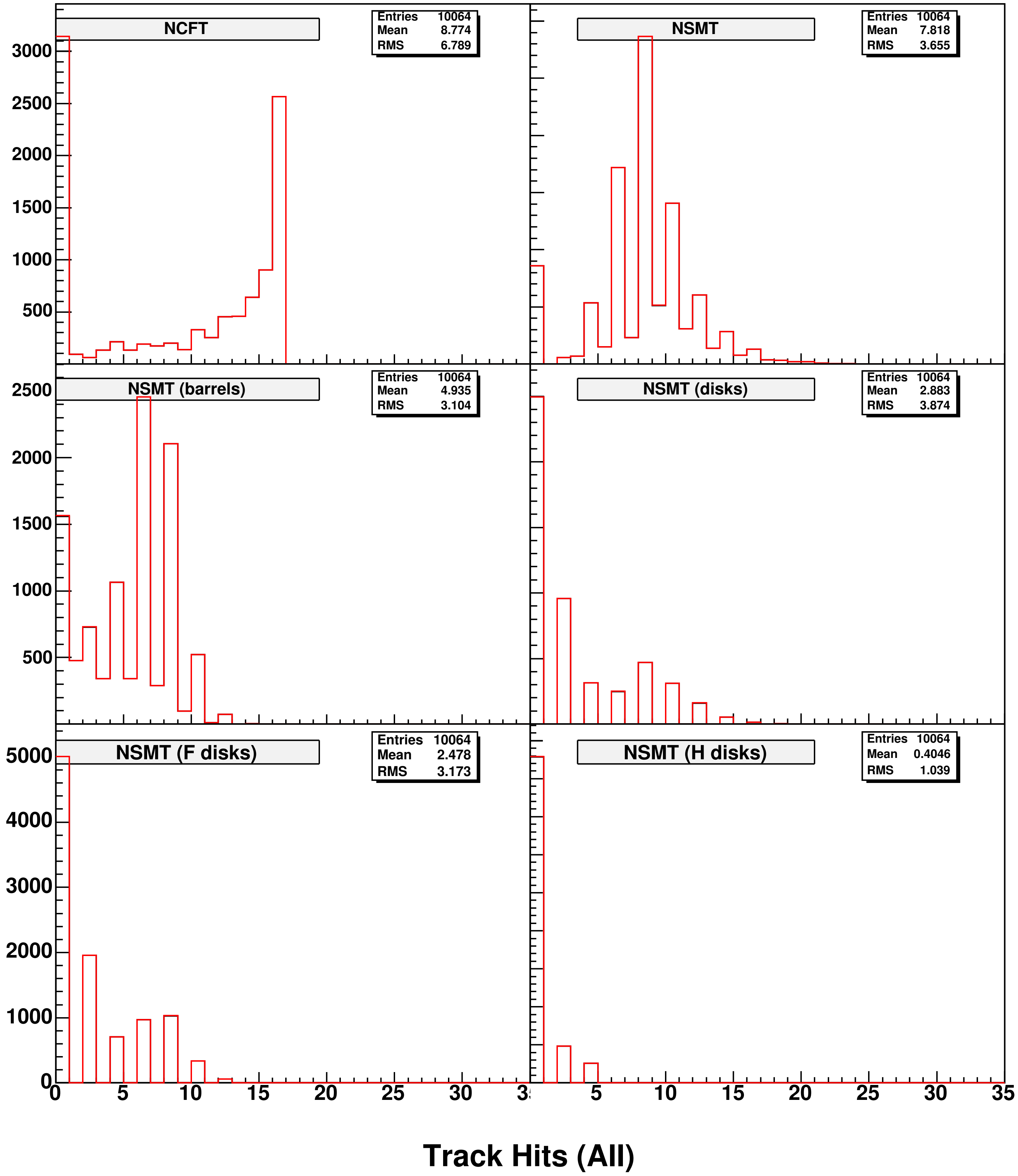
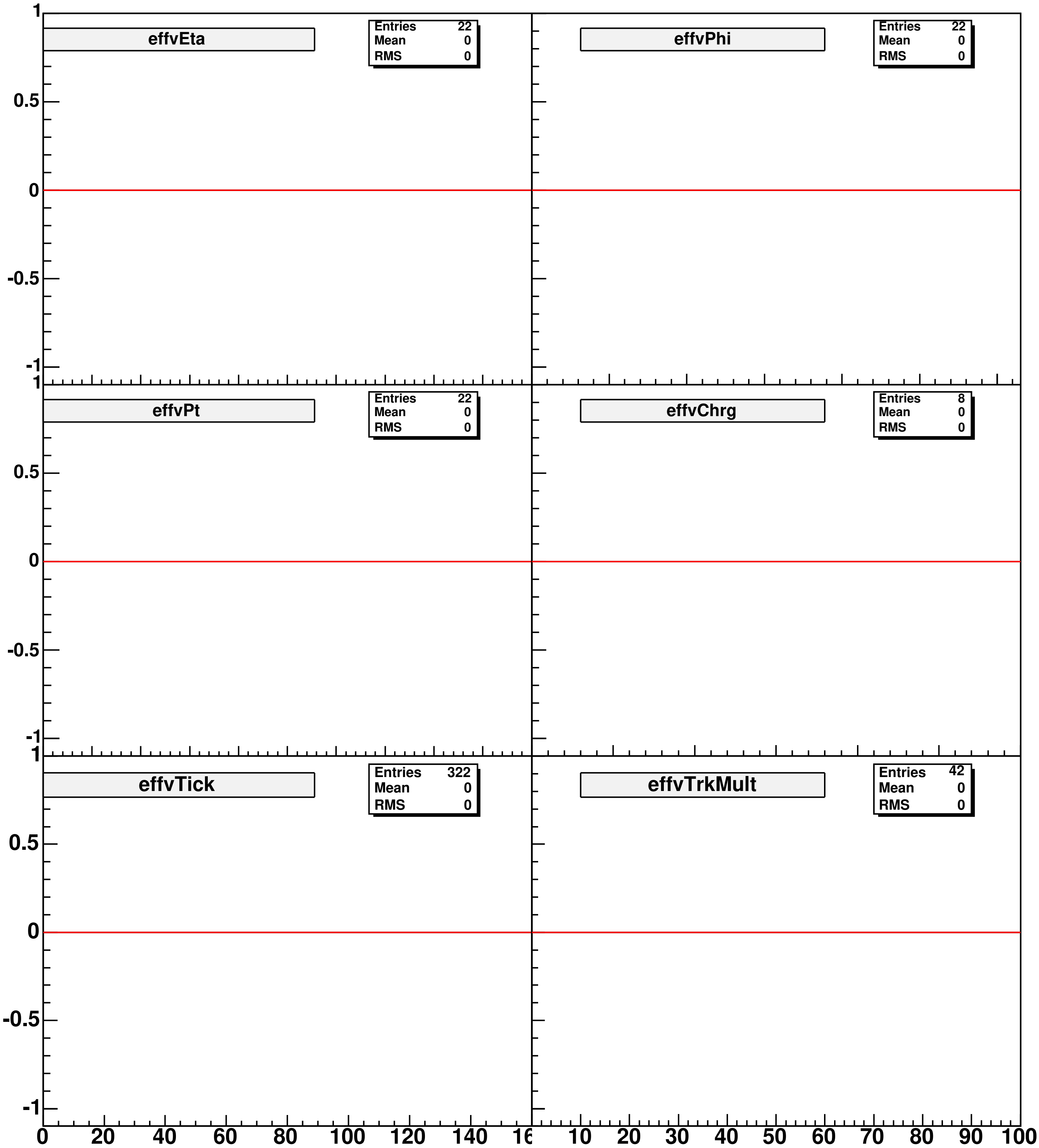

NTRKS
Entries 500
Mean 20.13
RMS 13.54
Chisq prob
Entries 10064
Mean 0.2982
RMS 0.3211
log10(PT)
Entries 10064
Mean -0.2235
RMS 0.299
PHI at DCA (0,0)
Entries 10064
Mean 3.294
RMS 1.776
TANLAM at DCA (0,0)
Entries 10064
Mean 0.04311
RMS 4.808
Z at DCA (0,0)
Entries 10064
Mean -1.714
RMS 23.21
DCA (best vertex)
Entries 10064
Mean -0.000608
RMS 0.05833
|DCA| (best vertex)
Entries 10064
Mean 0.1103
RMS 0.3259
DCA pull (best vertex)
Entries 10064
Mean -0.003595
RMS 1.468

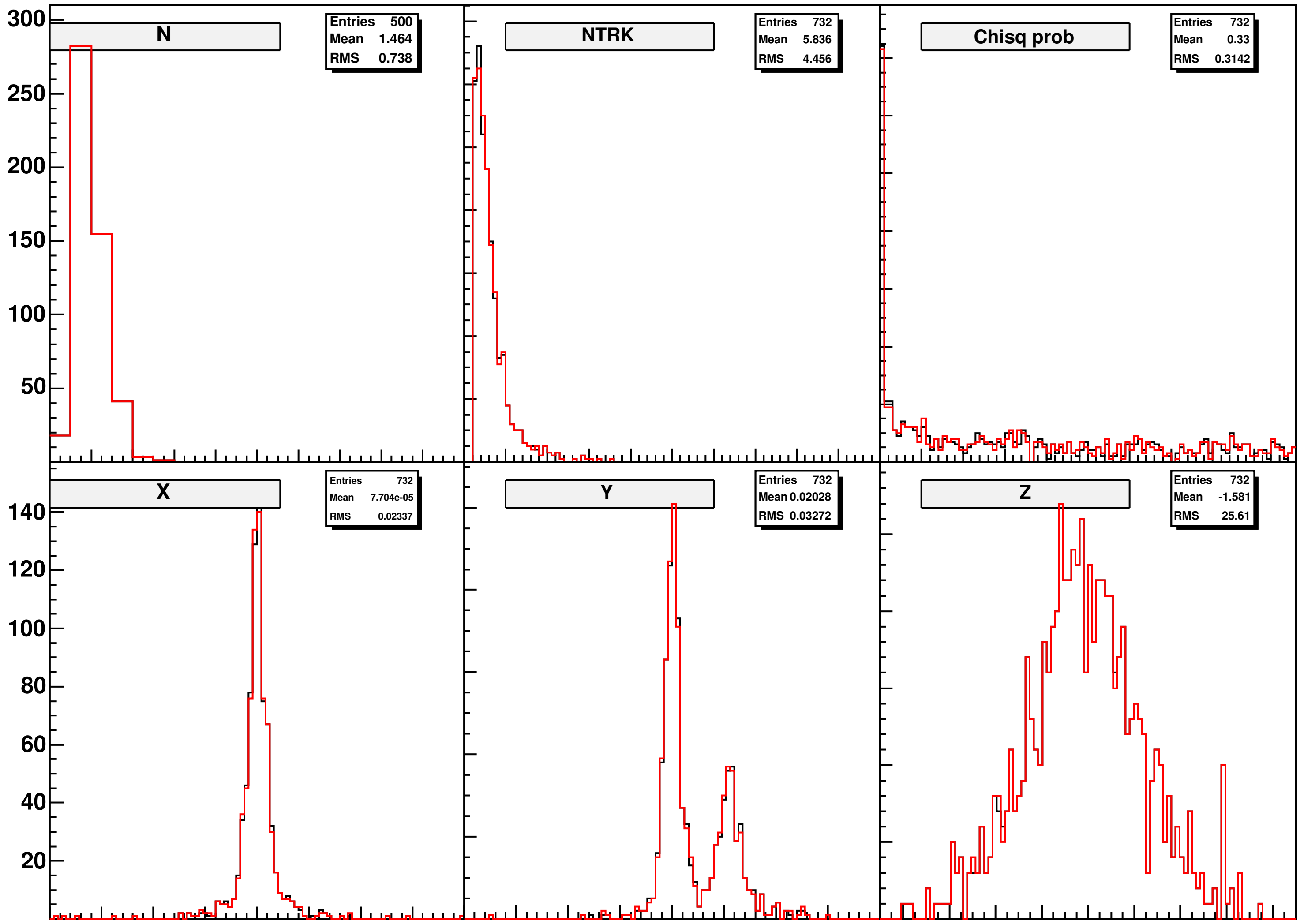
Tracks (All)


NCFT
Entries 10064
Mean 8.774
RMS 6.789
NSMT
Entries 10064
Mean 7.818
RMS 3.655
NSMT (barrels)
Entries 10064
Mean 4.935
RMS 3.104
NSMT (disks)
Entries 10064
Mean 2.883
RMS 3.874
NSMT (F disks)
Entries 10064
Mean 2.478
RMS 3.173
NSMT (H disks)
Entries 10064
Mean 0.4046
RMS 1.039
Track Hits (All)

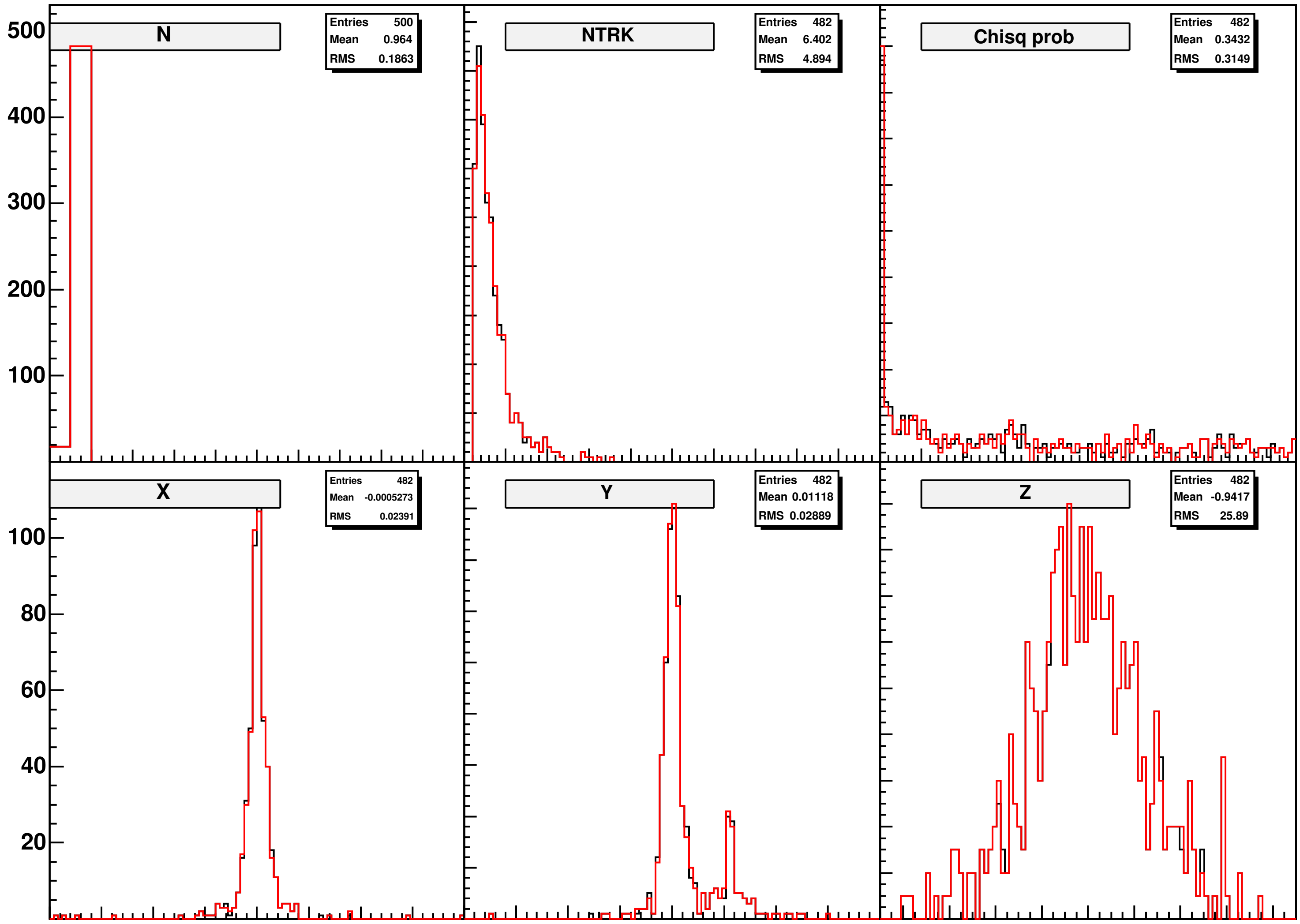


Tracking (Efficiency-Isolated)

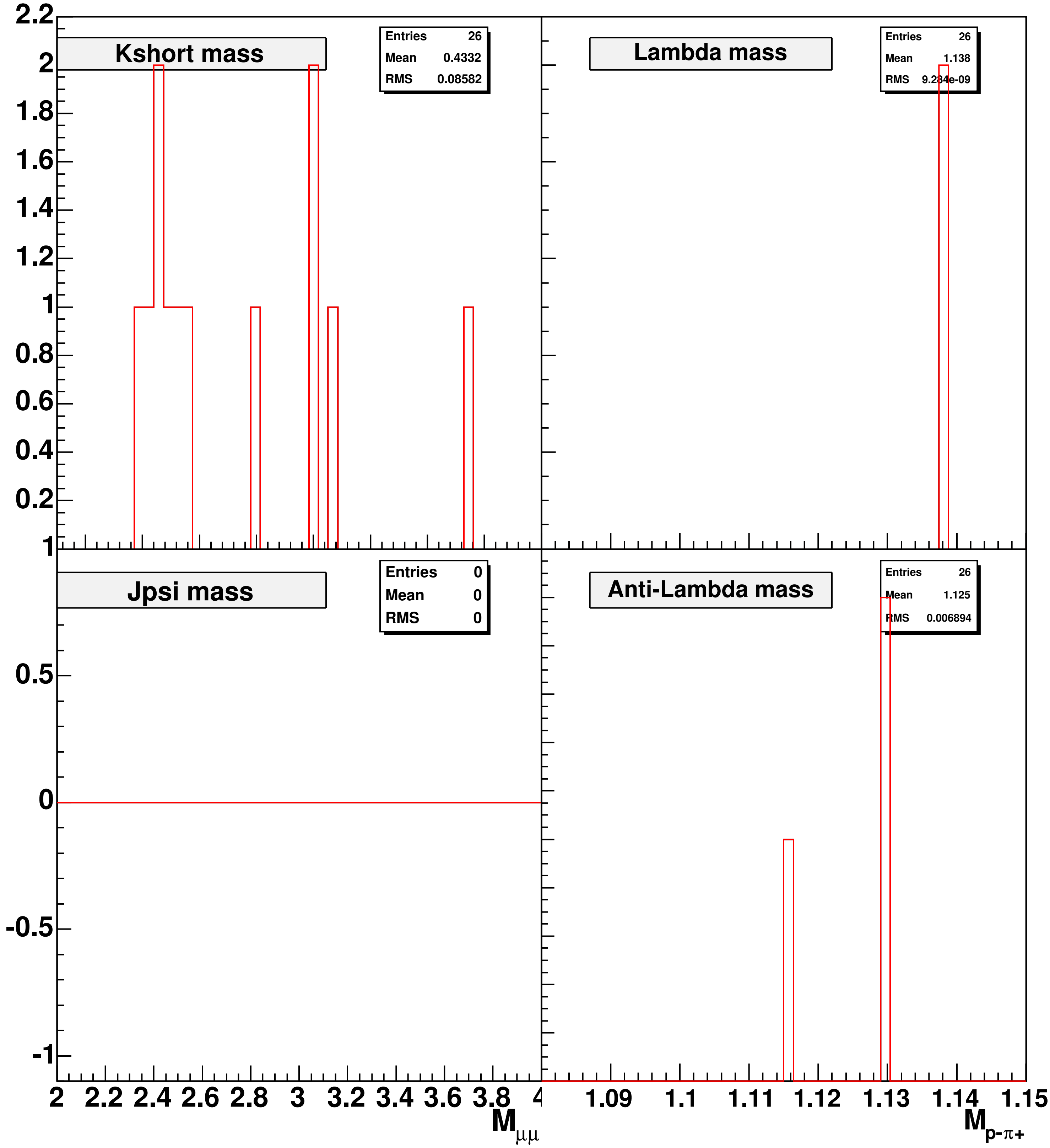
Tracking (Efficiency-InJets)



Vertices (Primary - all candidates)

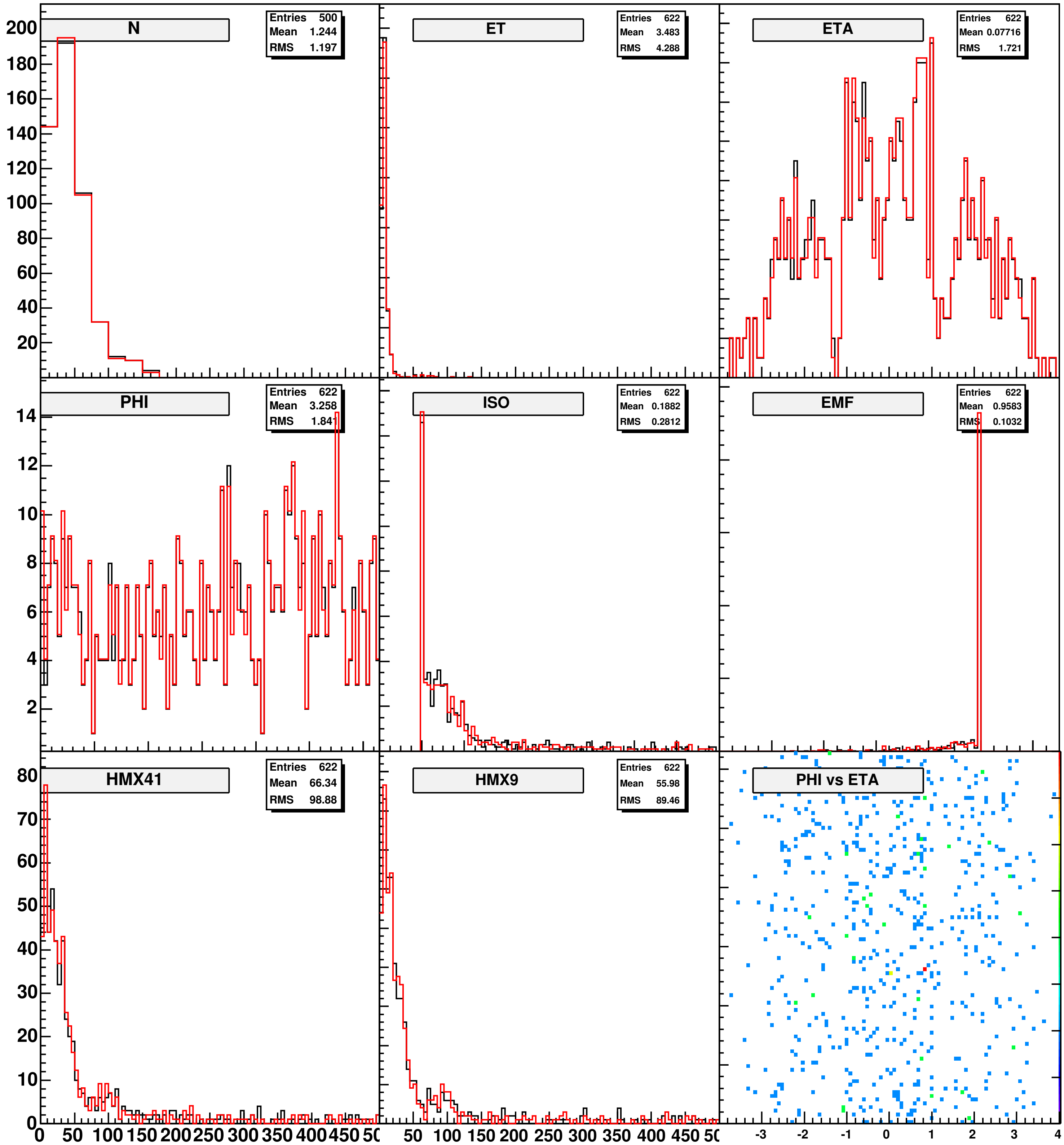


Vertices (Primary - best)

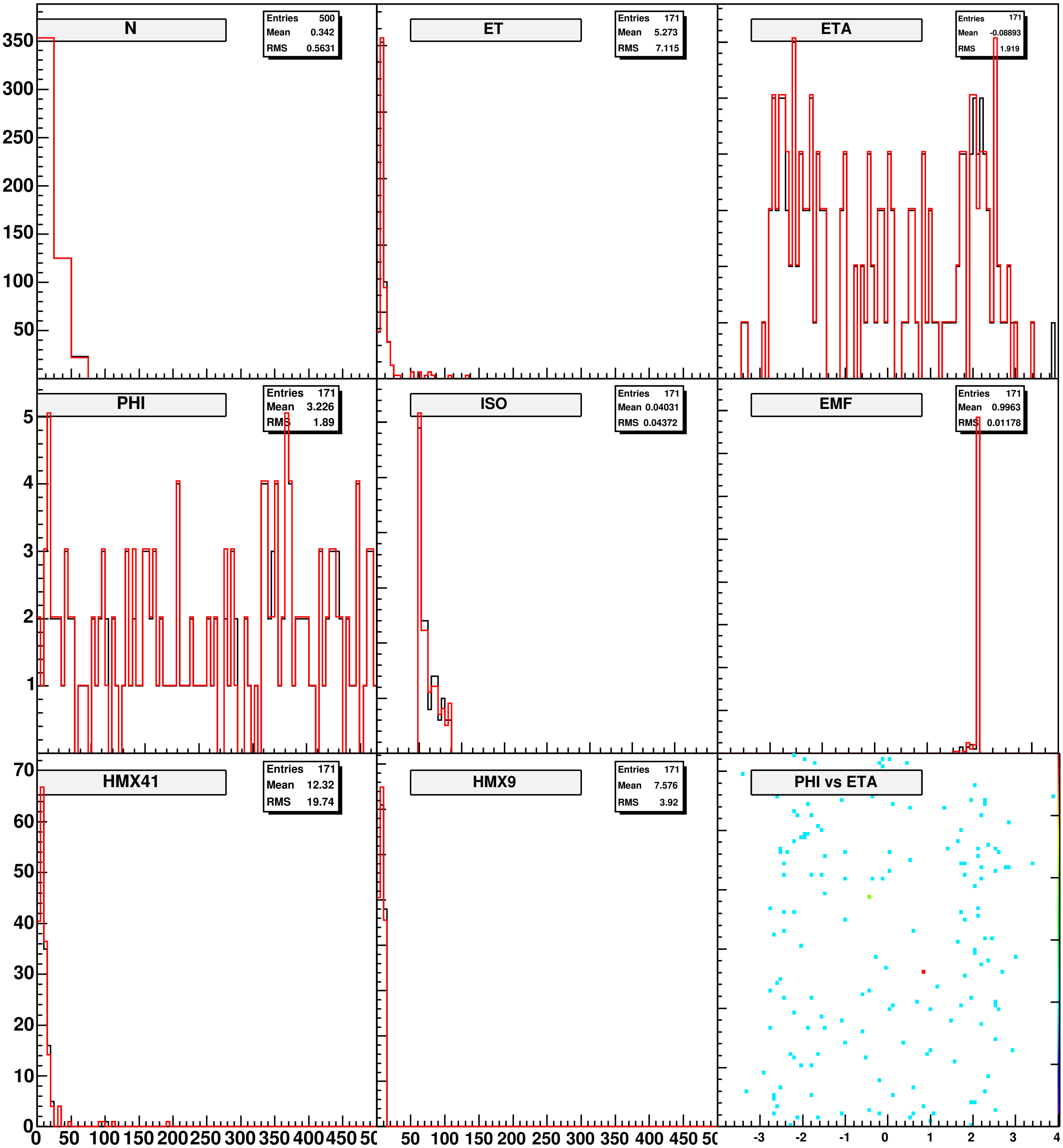


Kshort mass
Entries 26
Mean 0.4332
RMS 0.08582
Lambda mass
Entries 26
Mean 1.138
RMS 9.284e-09
Jpsi mass
Entries 0
Mean 0
RMS 0
Anti-Lambda mass
Entries 26
Mean 1.125
RMS 0.006894
M μμ
M p-π+

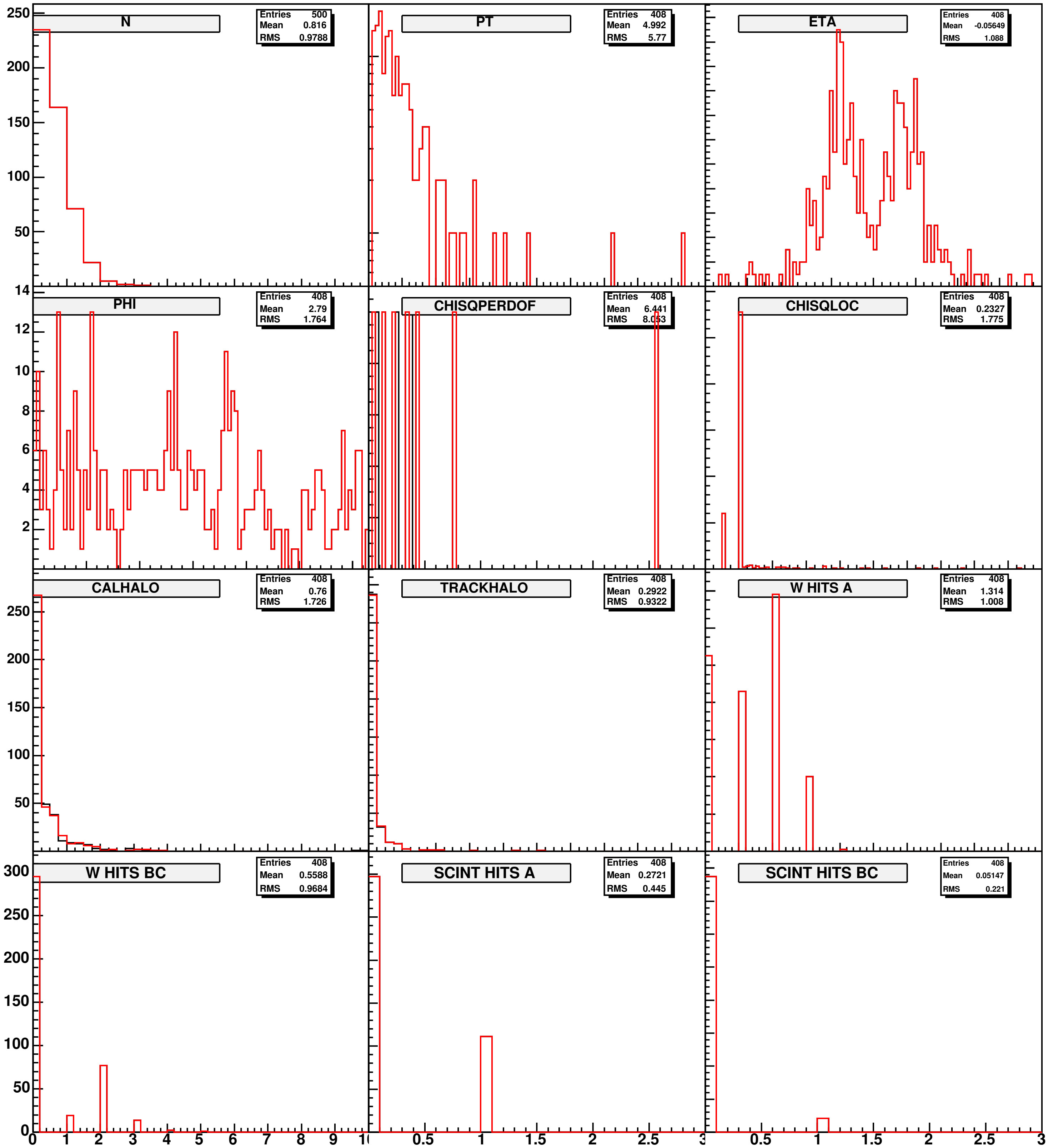
V0 (All)



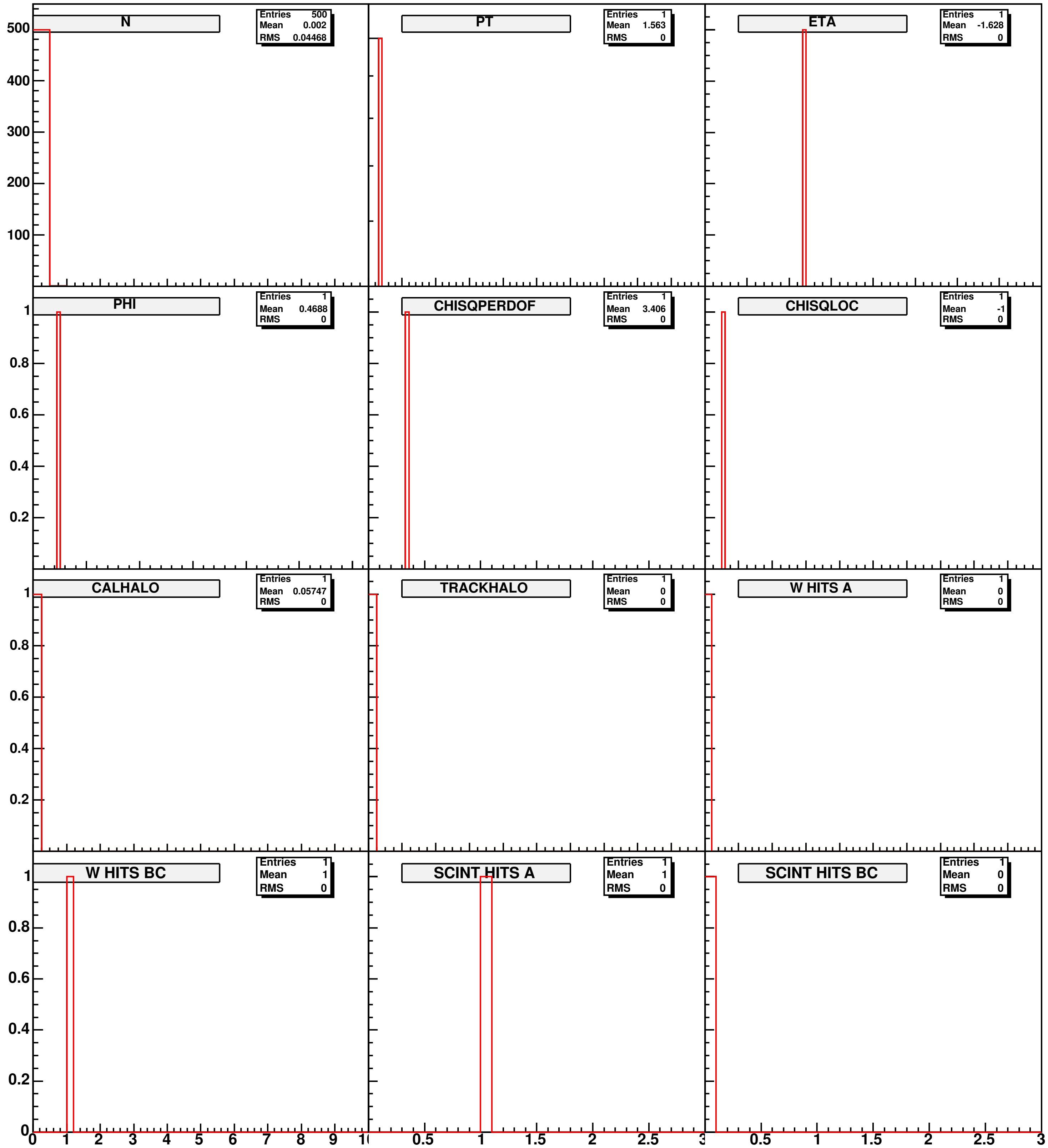
Electrons (SCONE All)



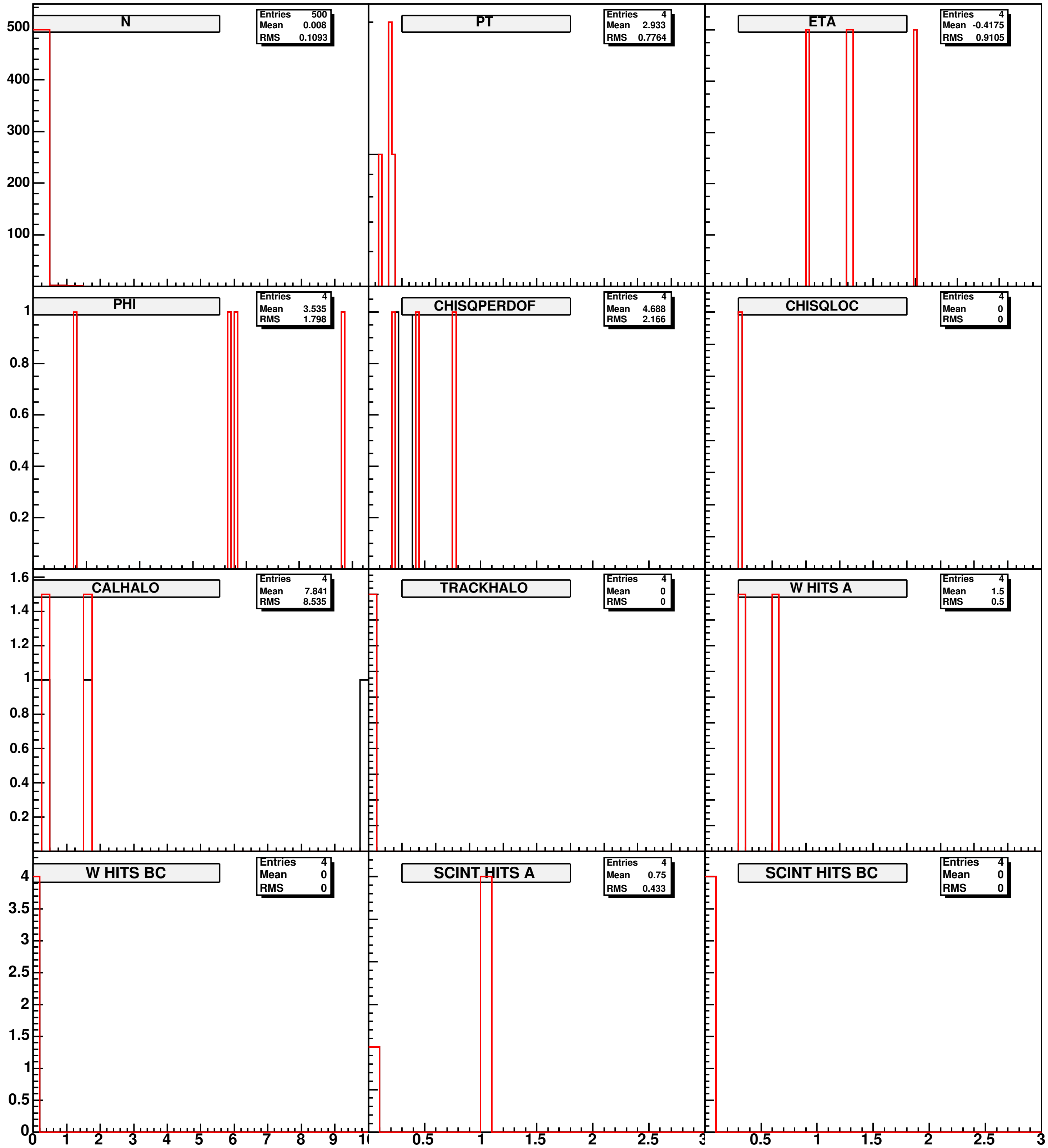
Electrons (SCONE Tight)


N
Entries 500
Mean 0.816
RMS 0.9788
PT
Entries 408
Mean 4.992
RMS 5.77
ETA
Entries 408
Mean -0.05649
RMS 1.088
PHI
Entries 408
Mean 2.79
RMS 1.764
CHISQPERDOF
Entries 408
Mean 6.441
RMS 8.053
CHISQLOC
Entries 408
Mean 0.2327
RMS 1.775
CALHALO
Entries 408
Mean 0.76
RMS 1.726
TRACKHALO
Entries 408
Mean 0.2922
RMS 0.9322
W HITS A
Entries 408
Mean 1.314
RMS 1.008
W HITS BC
Entries 408
Mean 0.5588
RMS 0.9684
SCINT HITS A
Entries 408
Mean 0.2721
RMS 0.445
SCINT HITS BC
Entries 408
Mean 0.05147
RMS 0.221

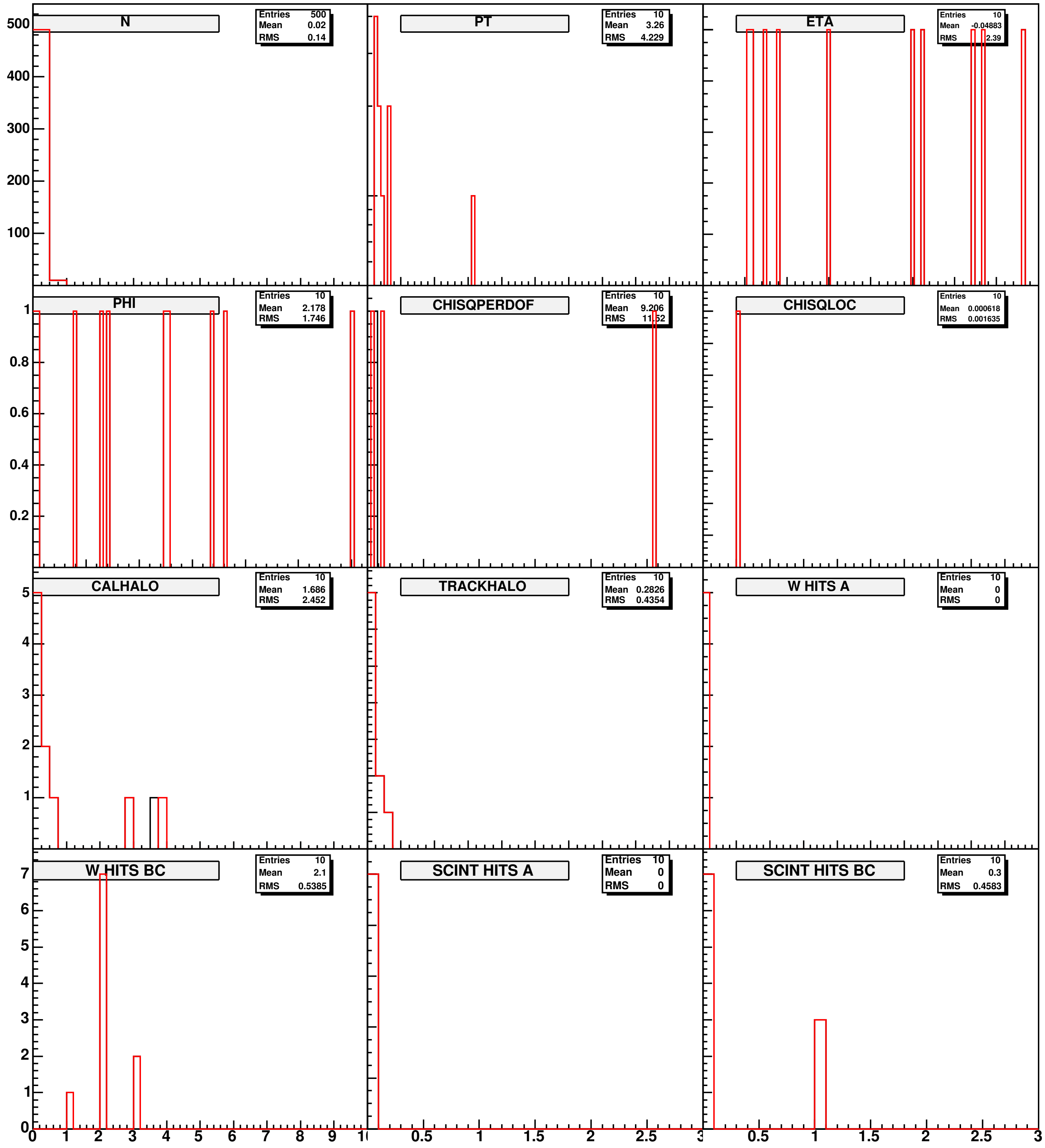
Muons (All)



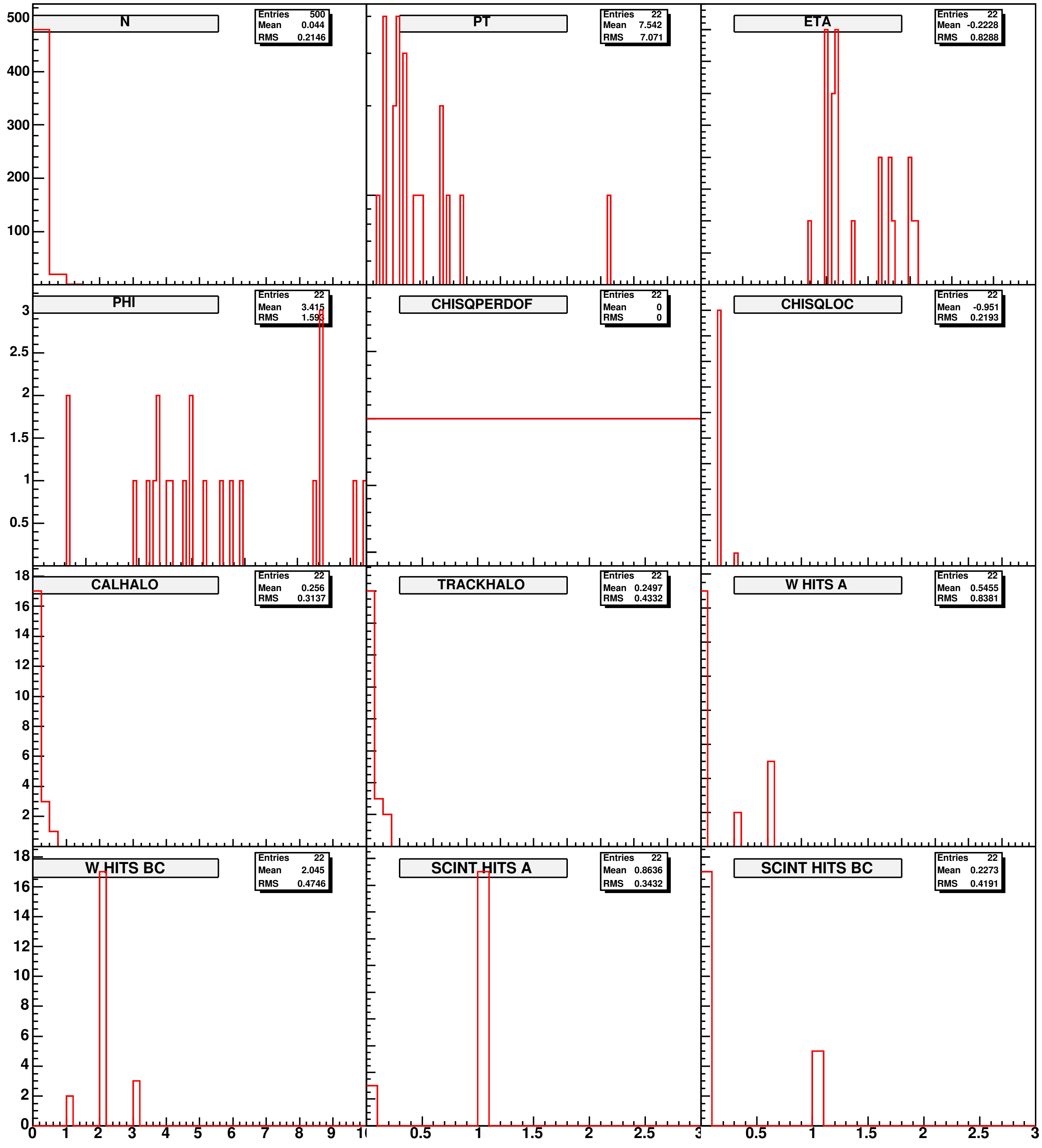
Muons (Matched)


N
Entries 500
Mean 0.008
RMS 0.1093
PT
Entries 4
Mean 2.933
RMS 0.7764
ETA
Entries 4
Mean -0.4175
RMS 0.9105
PHI
Entries 4
Mean 3.535
RMS 1.798
CHISQPERDOF
Entries 4
Mean 4.688
RMS 2.166
CHISQLOC
Entries 4
Mean 0
RMS 0
CALHALO
Entries 4
Mean 7.841
RMS 8.535
TRACKHALO
Entries 4
Mean 0
RMS 0
W HITS A
Entries 4
Mean 1.5
RMS 0.5
W HITS BC
Entries 4
Mean 0
RMS 0
SCINT HITS A
Entries 4
Mean 0.75
RMS 0.433
SCINT HITS BC
Entries 4
Mean 0
RMS 0

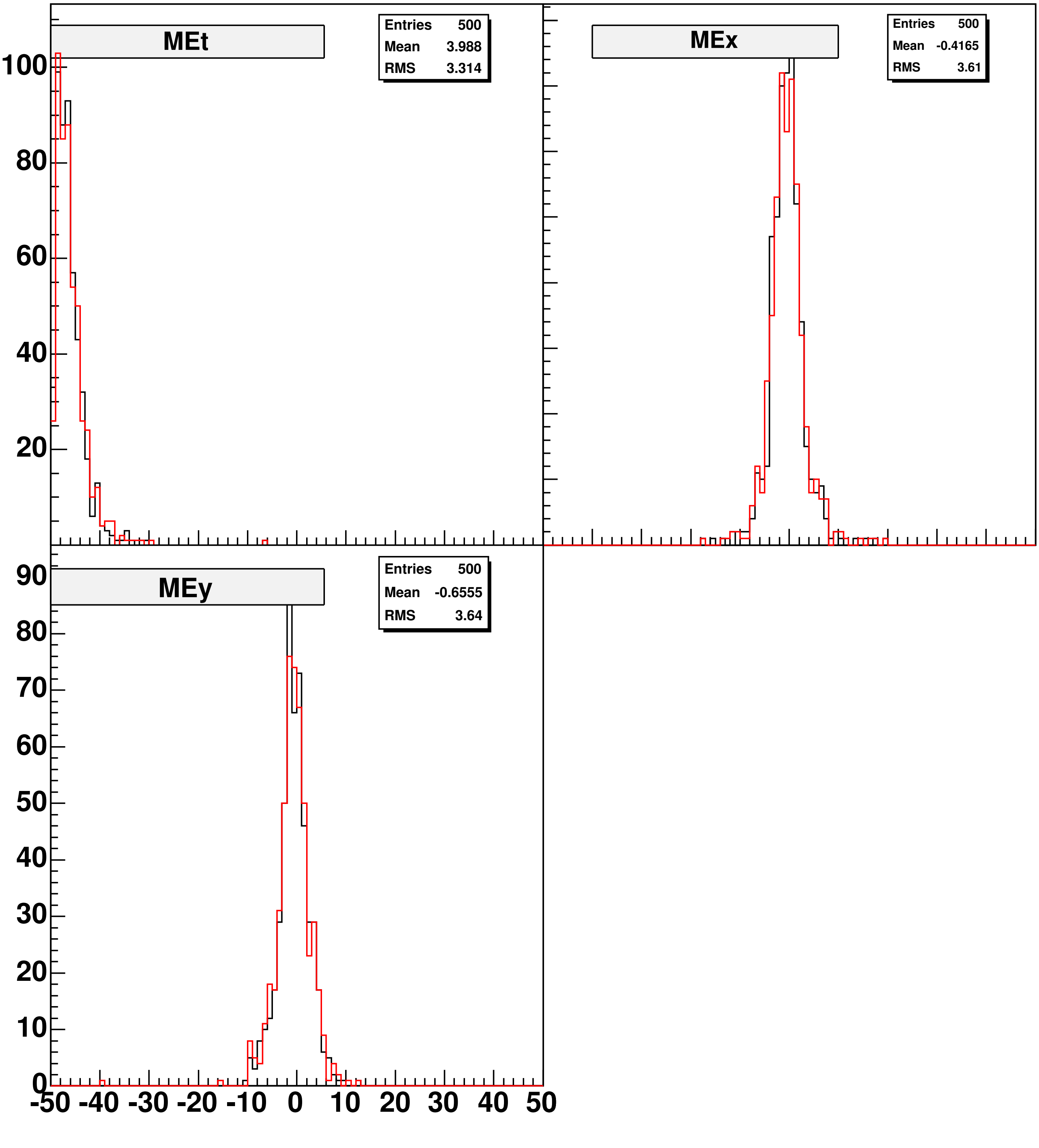
Muons (Astub)



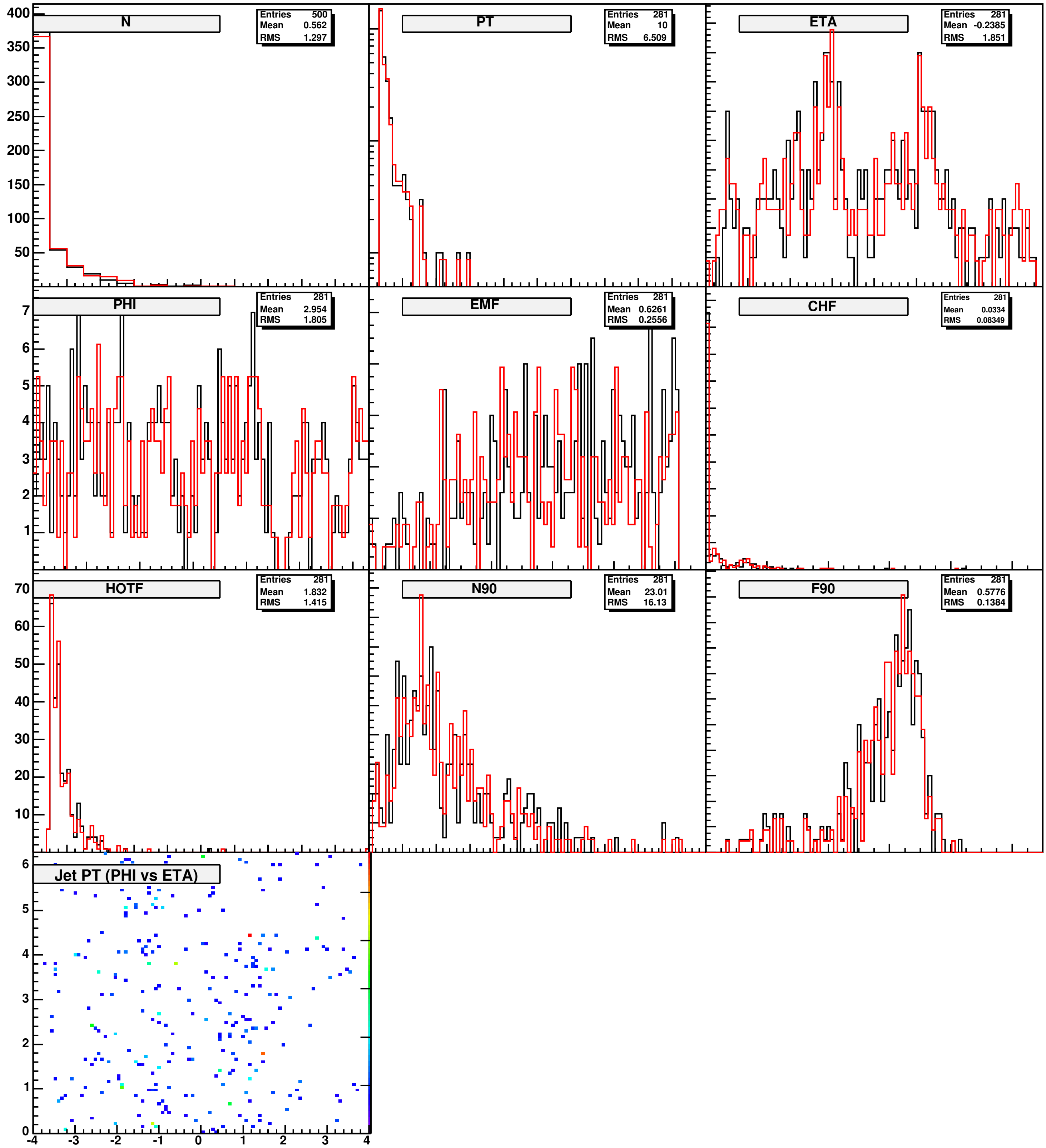
Muons (BCstub)



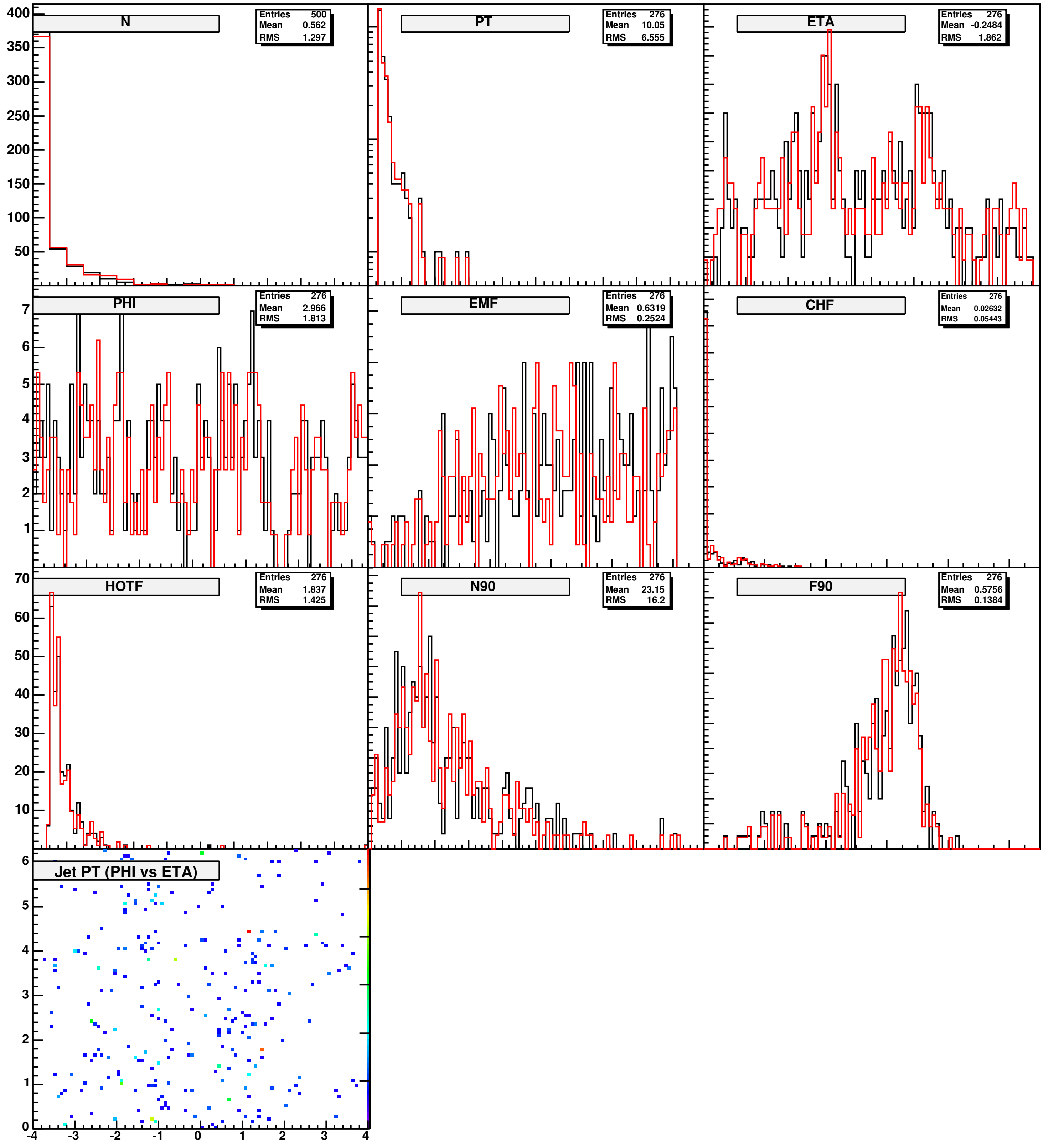
Muons (Unmatched)


MEt
Entries 500
Mean 3.988
RMS 3.314
100
80
60
40
20
MEx
Entries 500
Mean -0.4165
RMS 3.61
MEy
Entries 500
Mean -0.6555
RMS 3.64
90
80
70
60
50
40
30
20
10
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

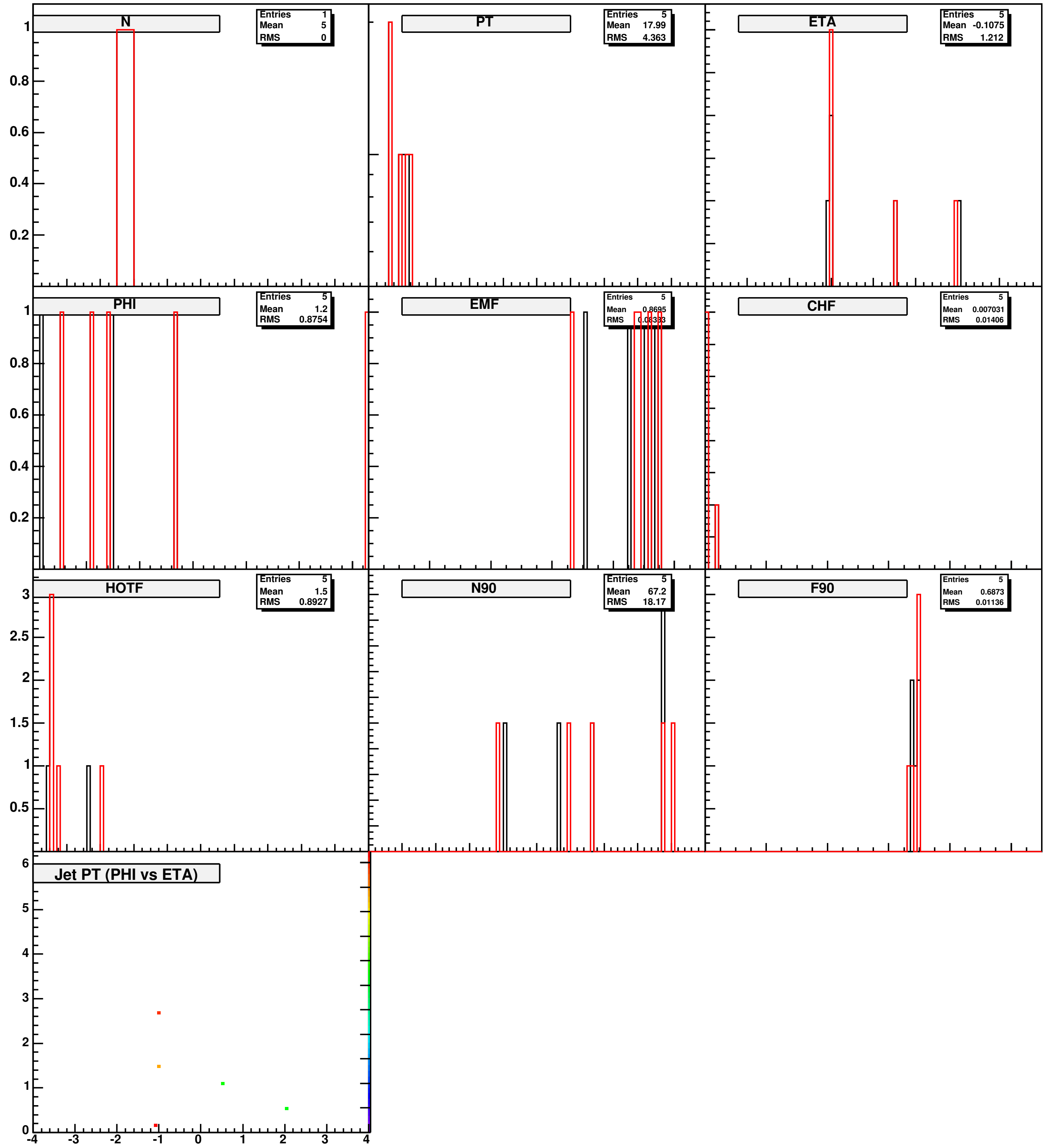
Met (No cuts)



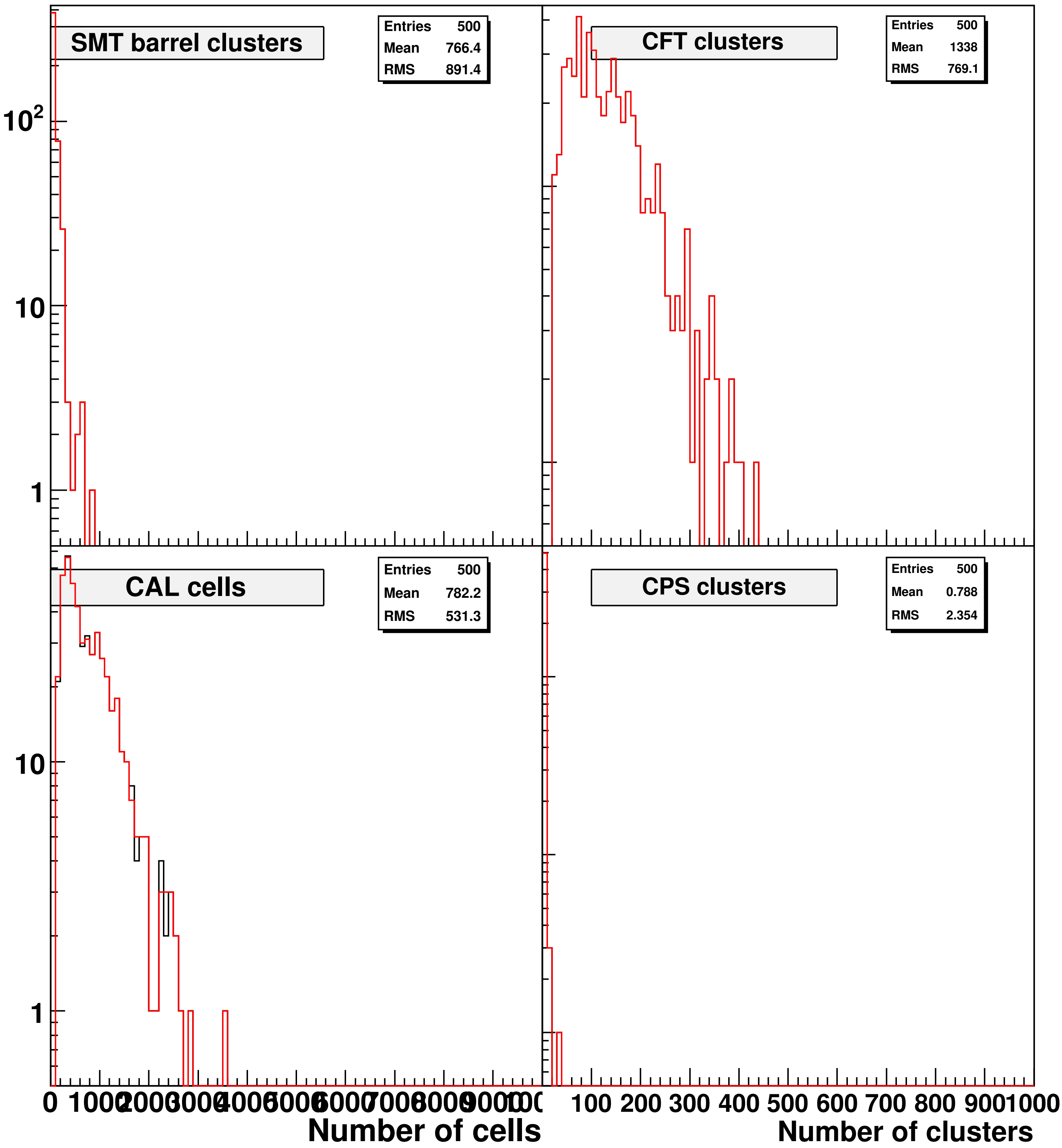
Jets (Cone R 0.7 (no cuts))



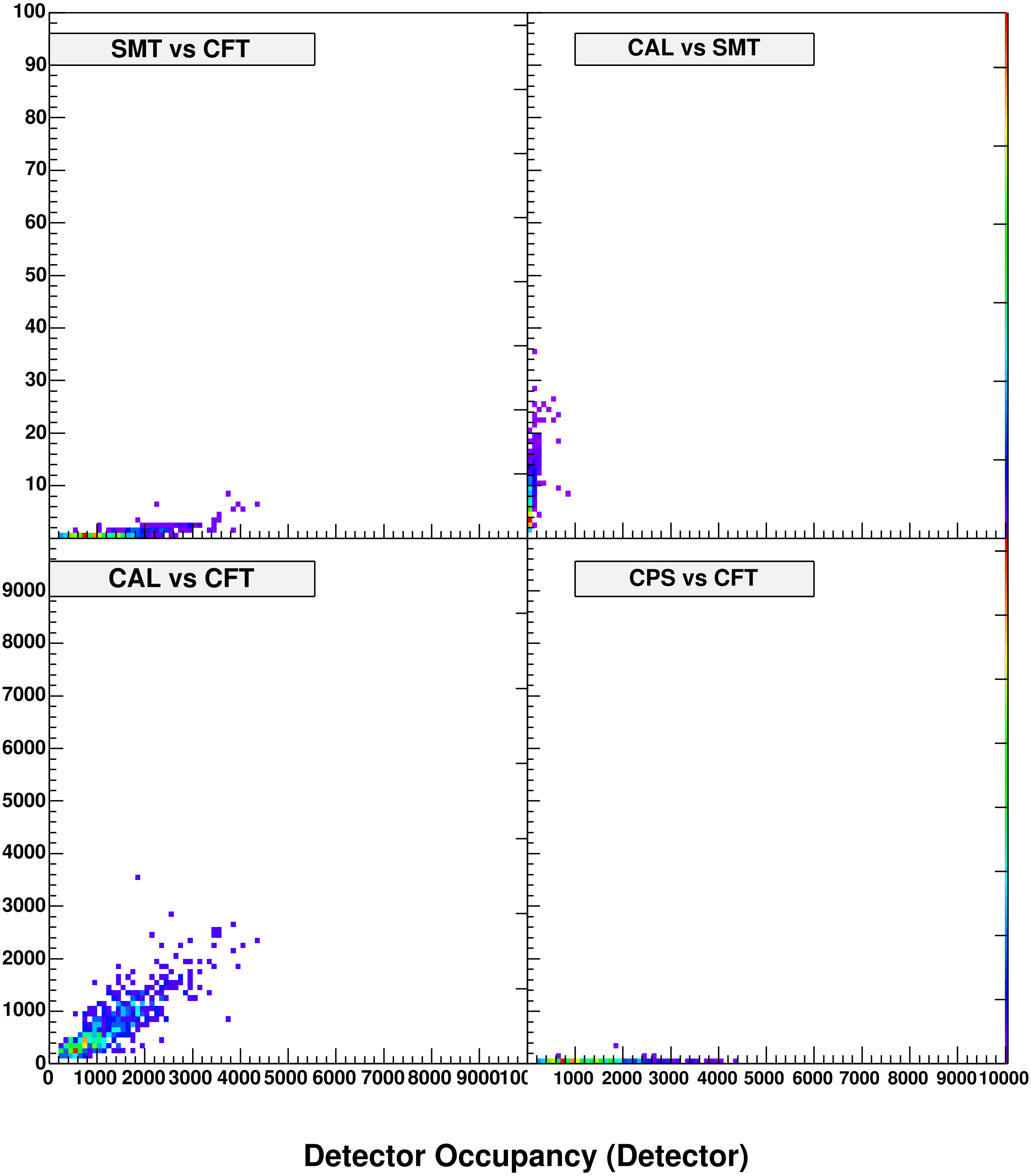
Jets (Cone R 0.7 (standard cuts))

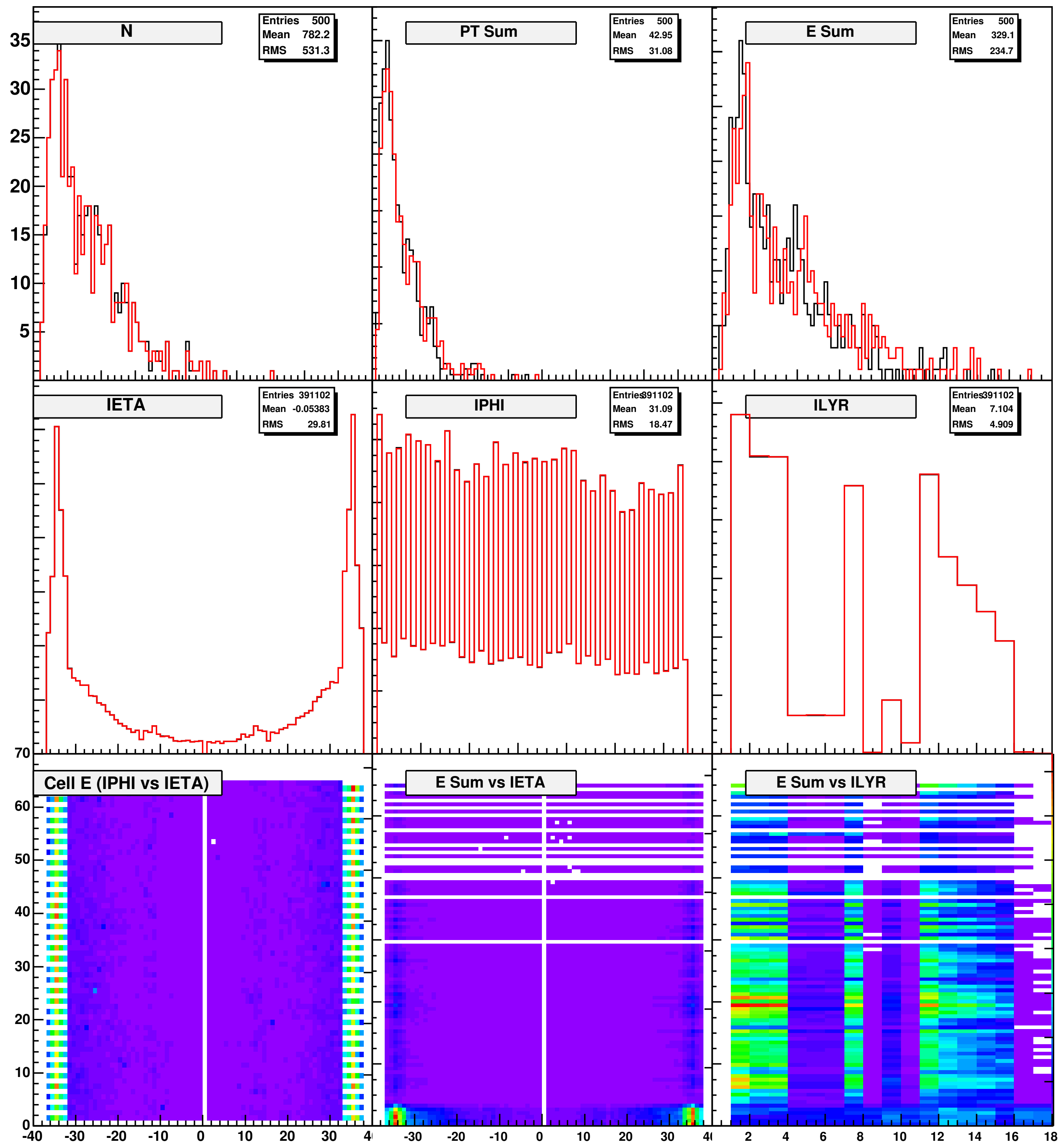


Jets (Cone R 0.7 (standard cuts, MET>30))

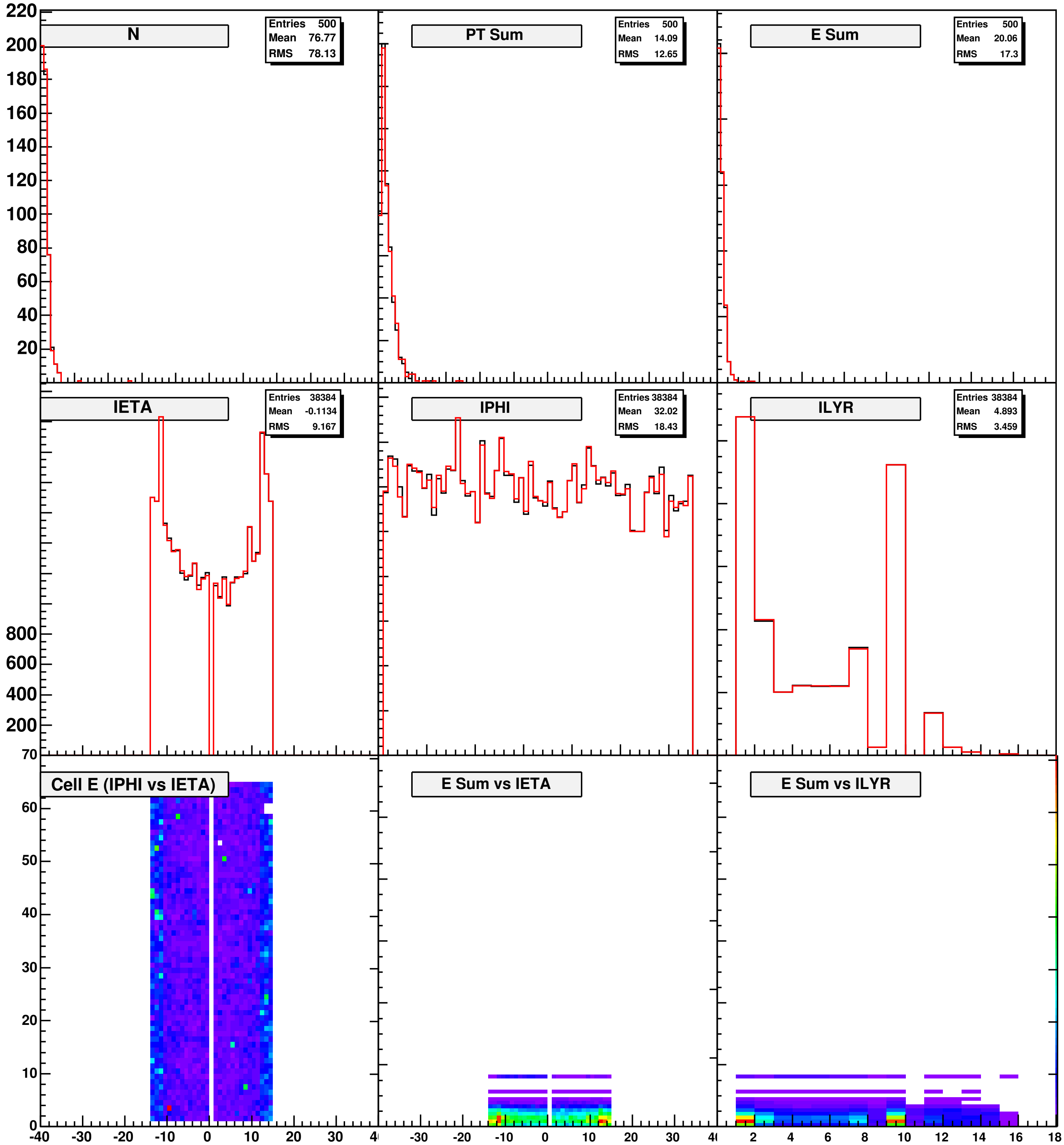


Detector Occupancy (Detector)

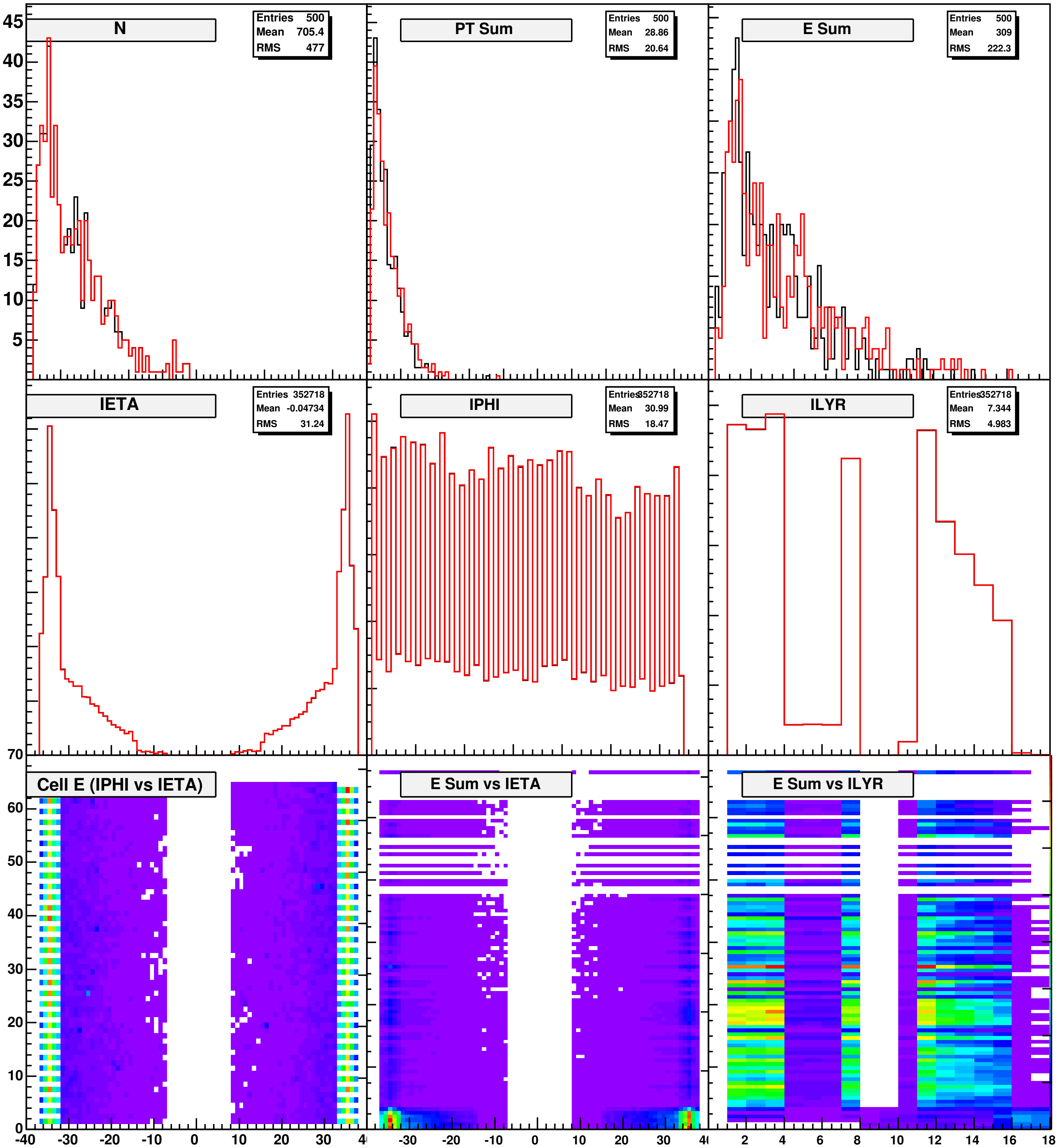

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
100
90
80
70
60
50
40
30
20
10
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Detector Occupancy (Detector)



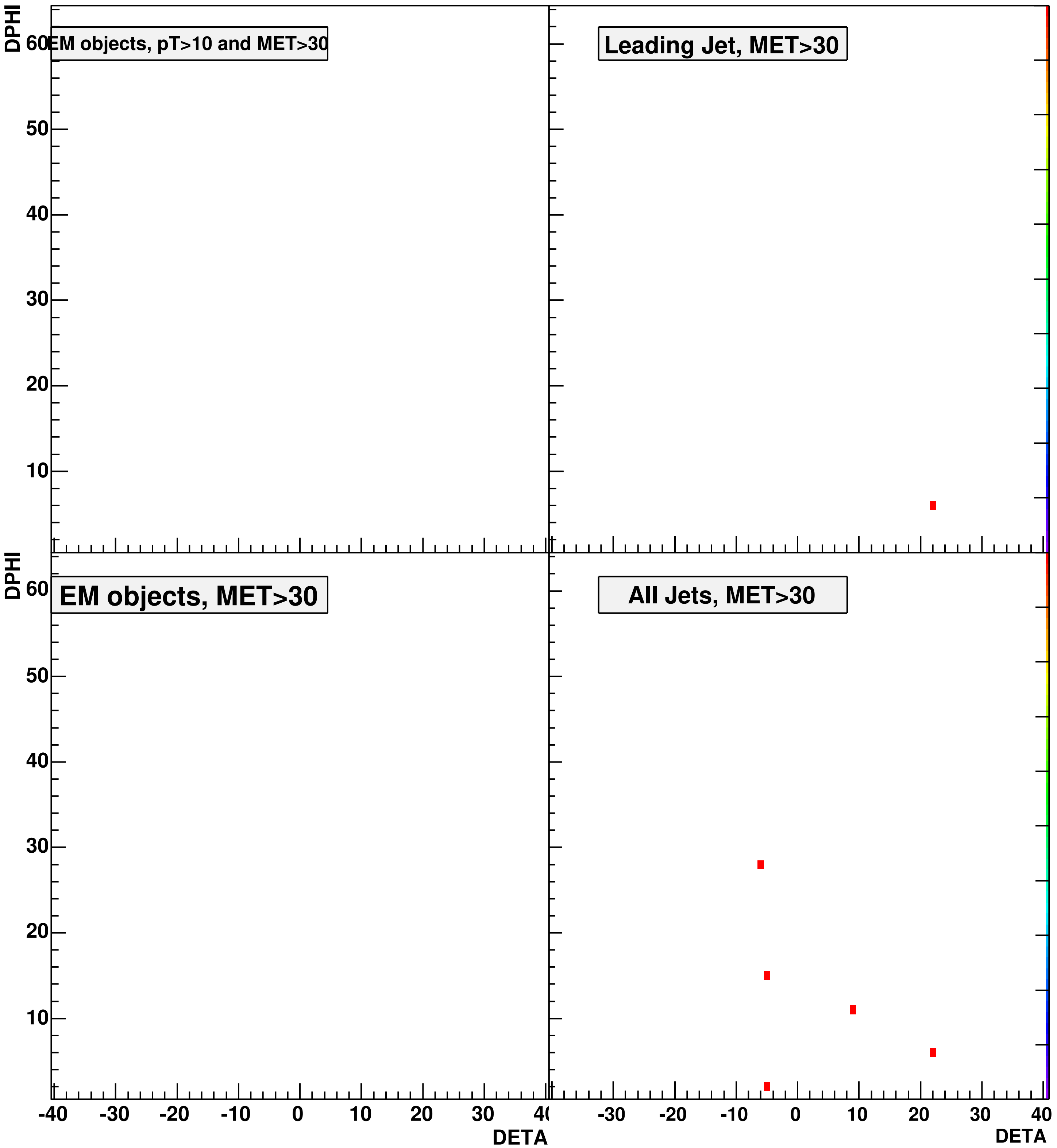
Calorimeter (All cells)



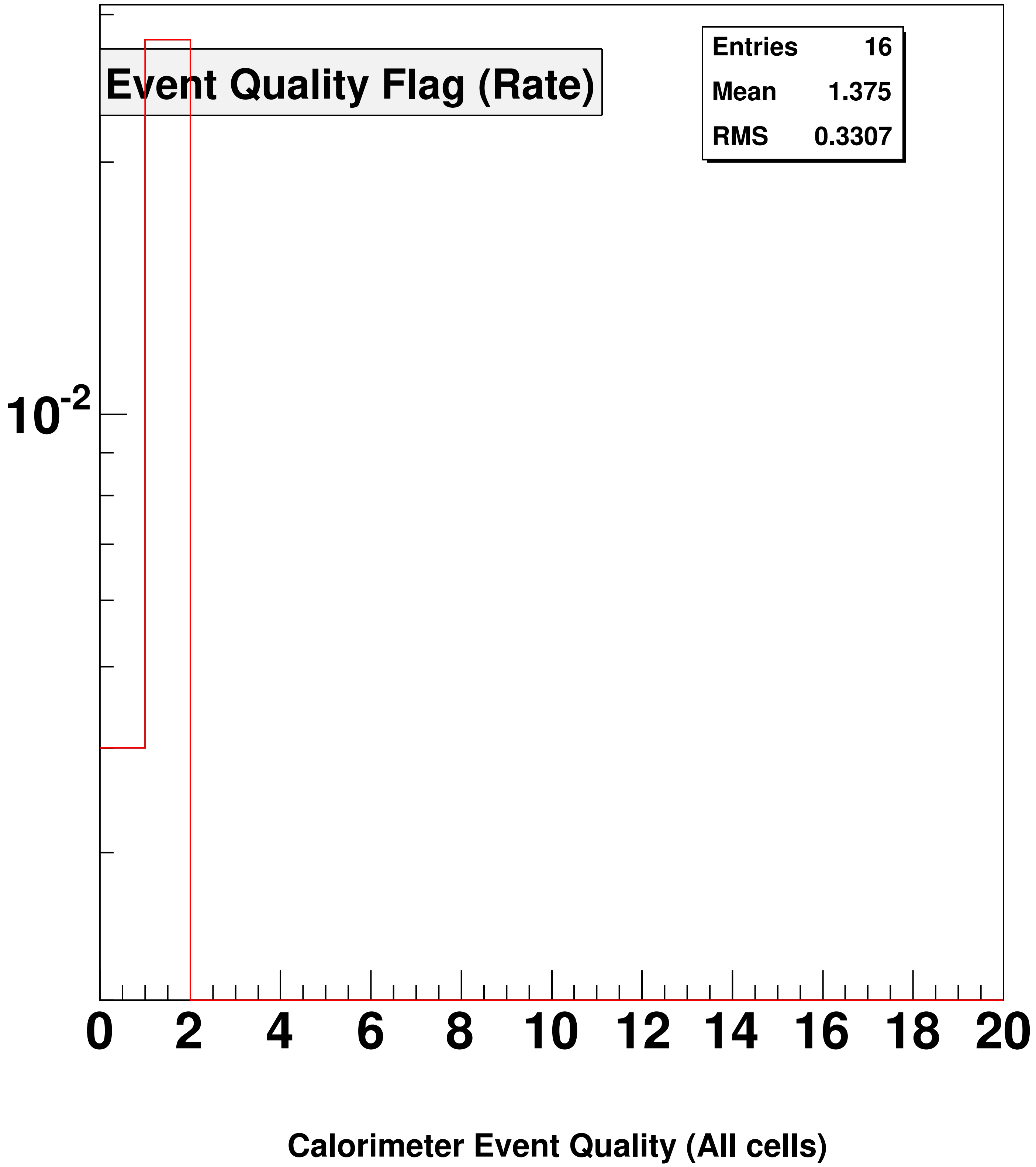
Calorimeter (All CC cells)

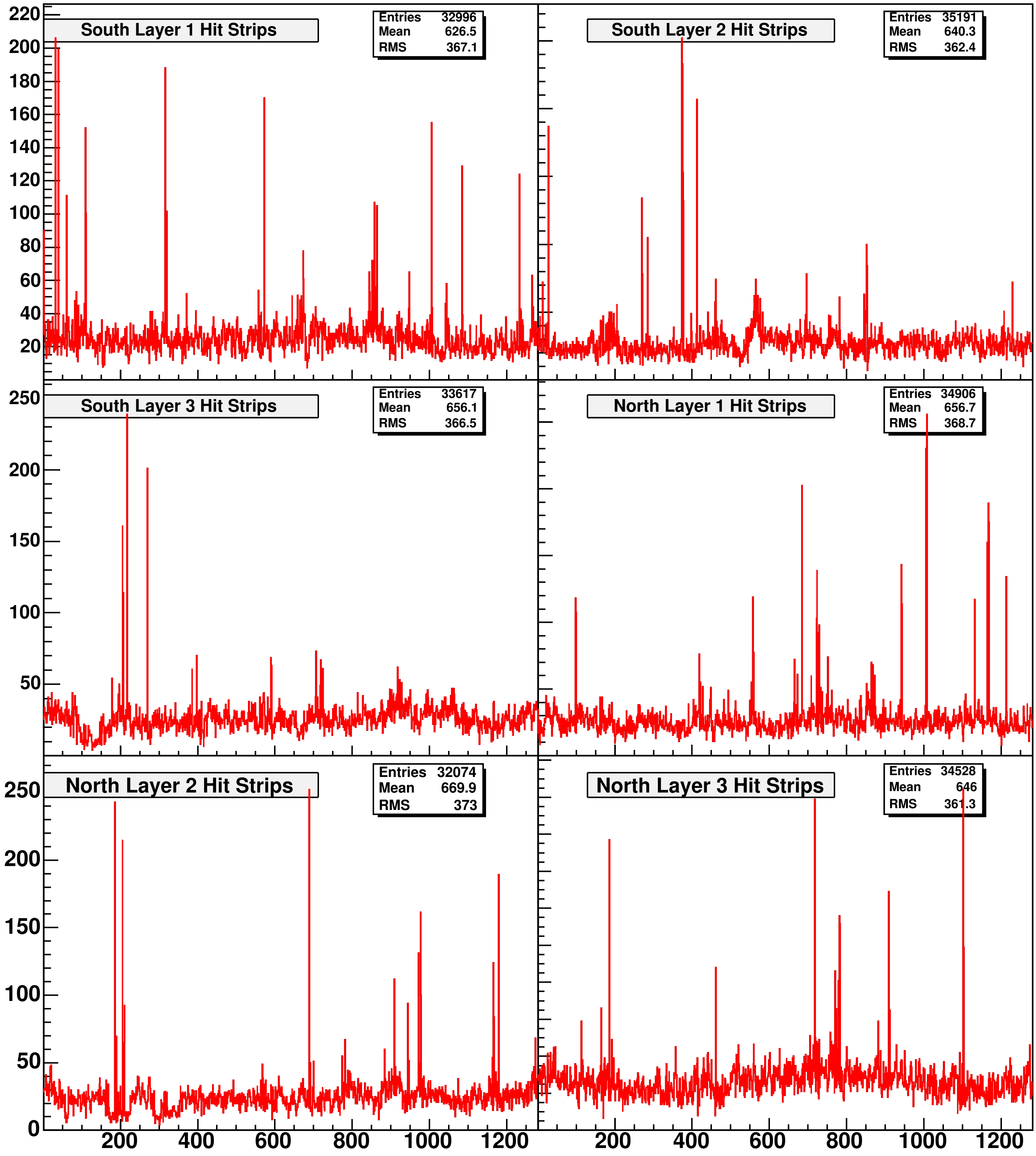


Calorimeter (All EC cells)

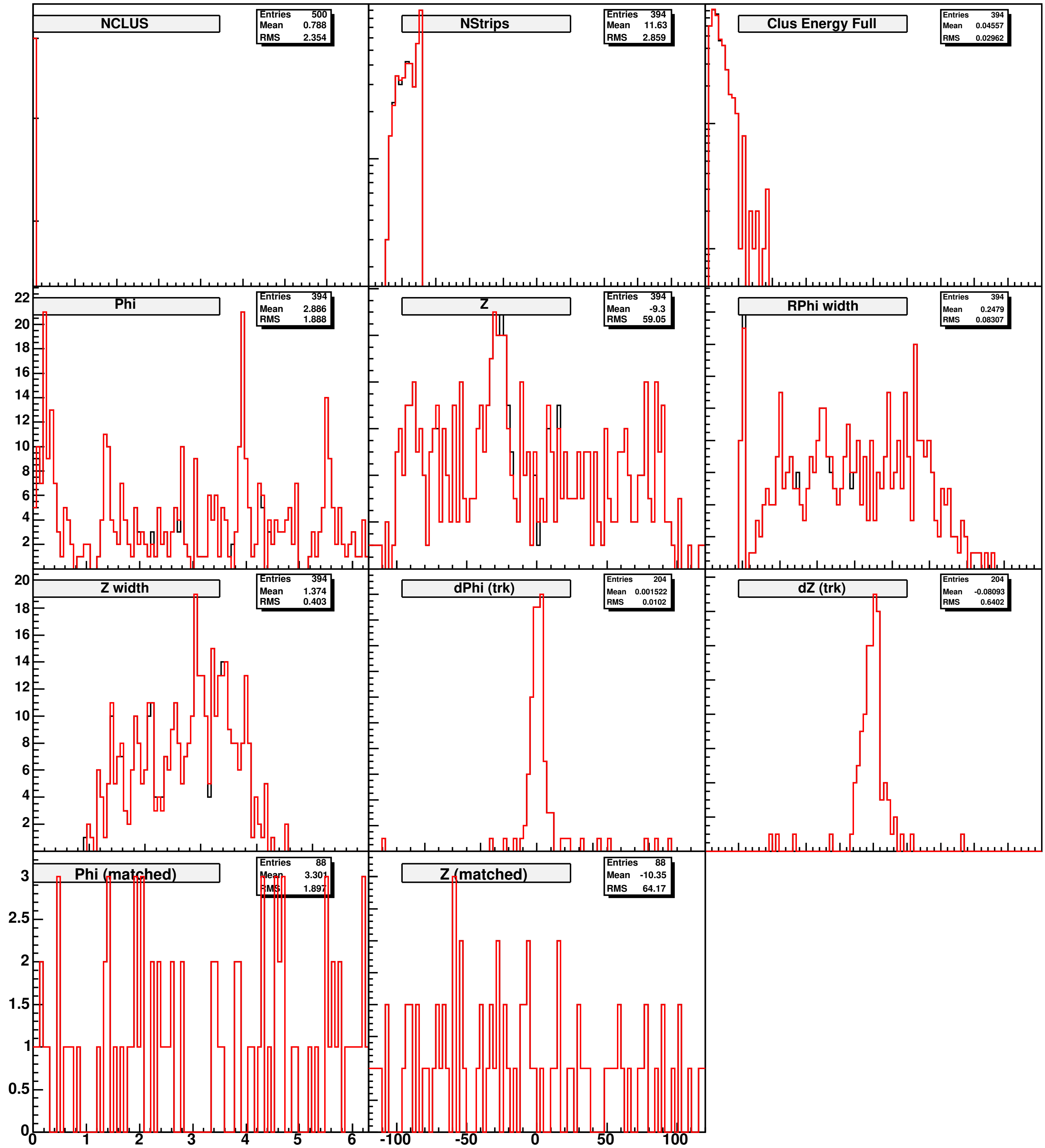


Cal Objects with MET>30 (All cells)

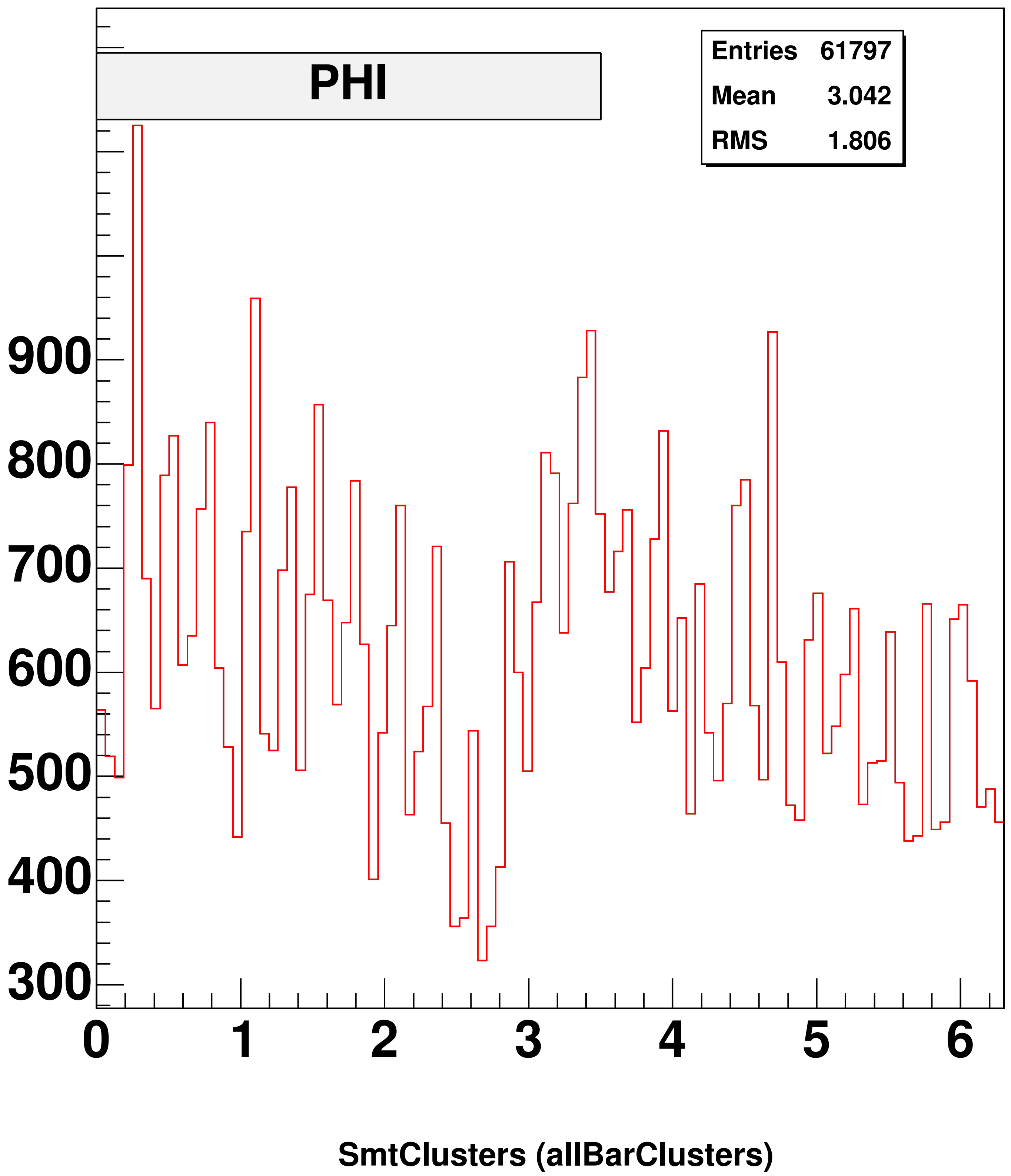

Event Quality Flag (Rate)
Entries 16
Mean 1.375
RMS 0.3307
10^{-2}
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

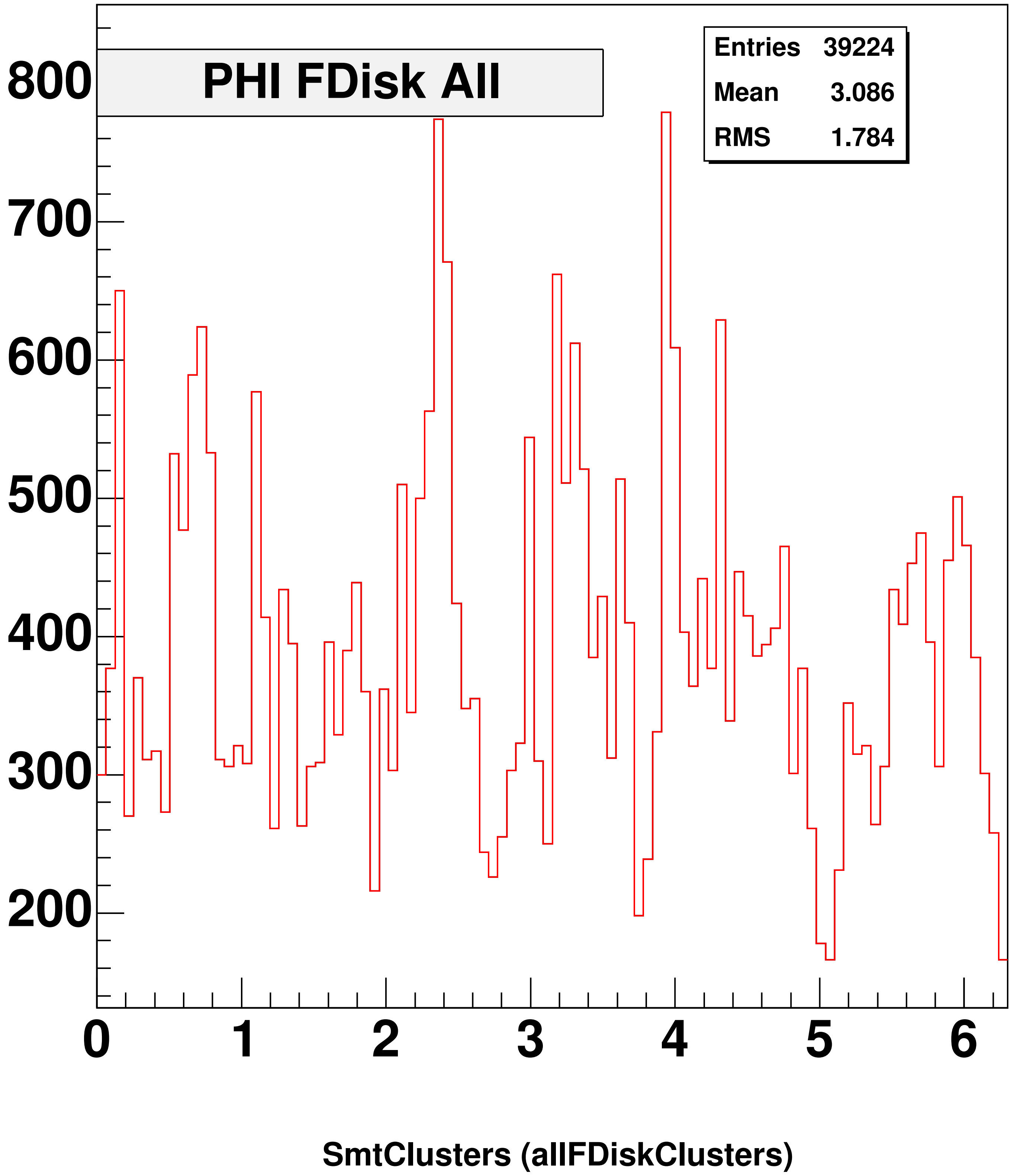


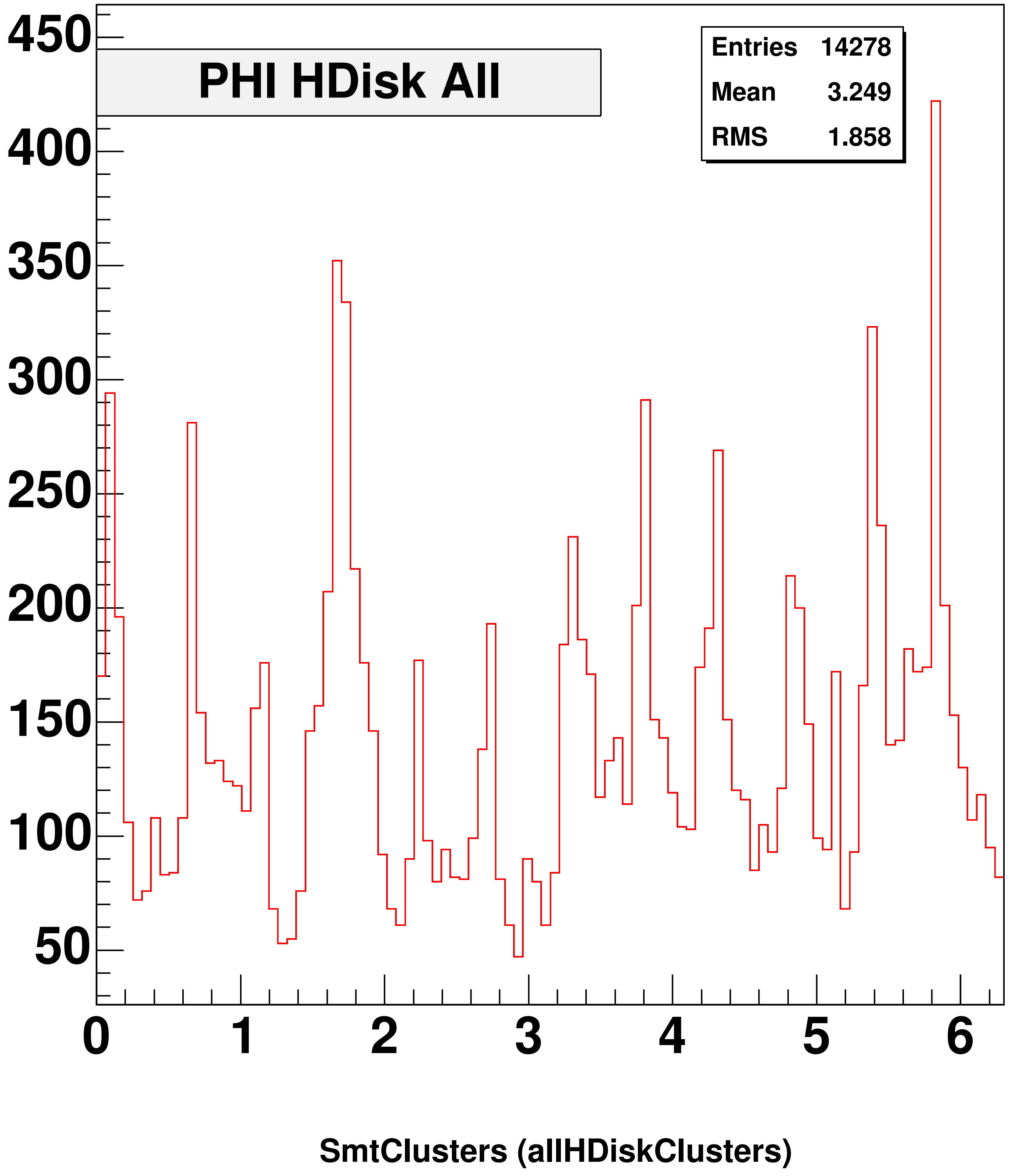
CPS Hit Strips (All Clusters)

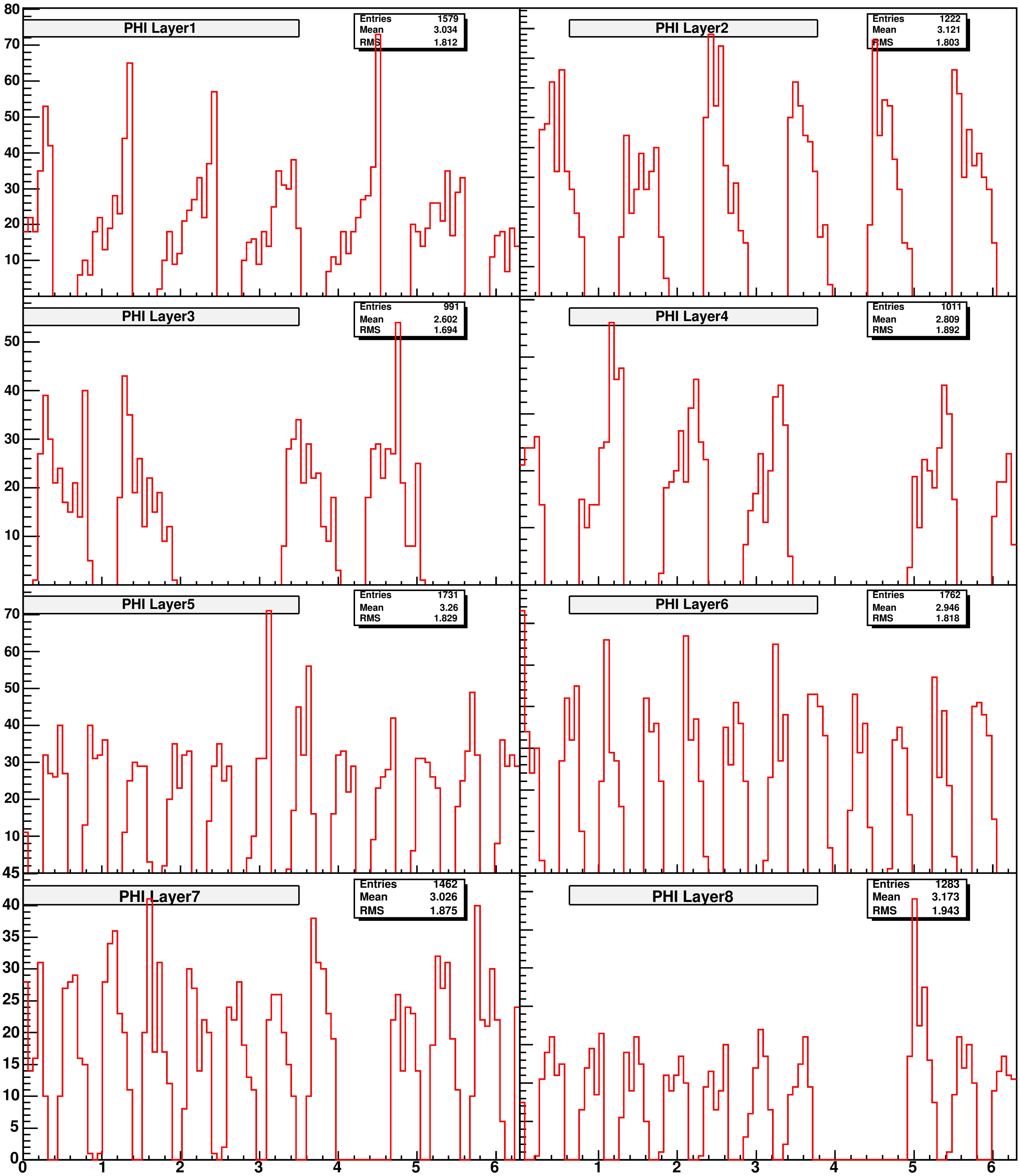


CPS Clusters (All Clusters)

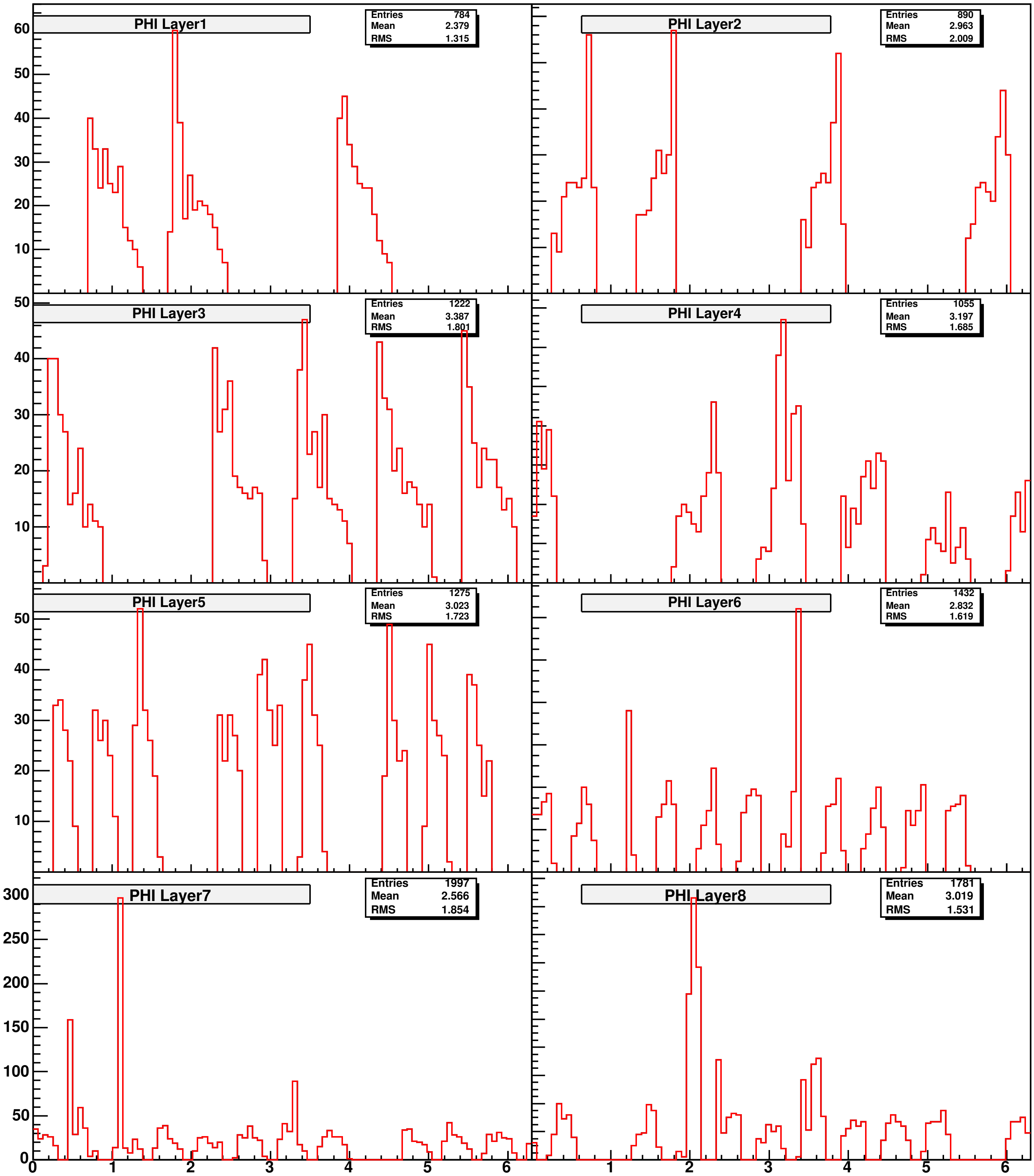

PHI
Entries 61797
Mean 3.042
RMS 1.806
900
800
700
600
500
400
300
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 39224
Mean 3.086
RMS 1.784
800
700
600
500
400
300
200
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

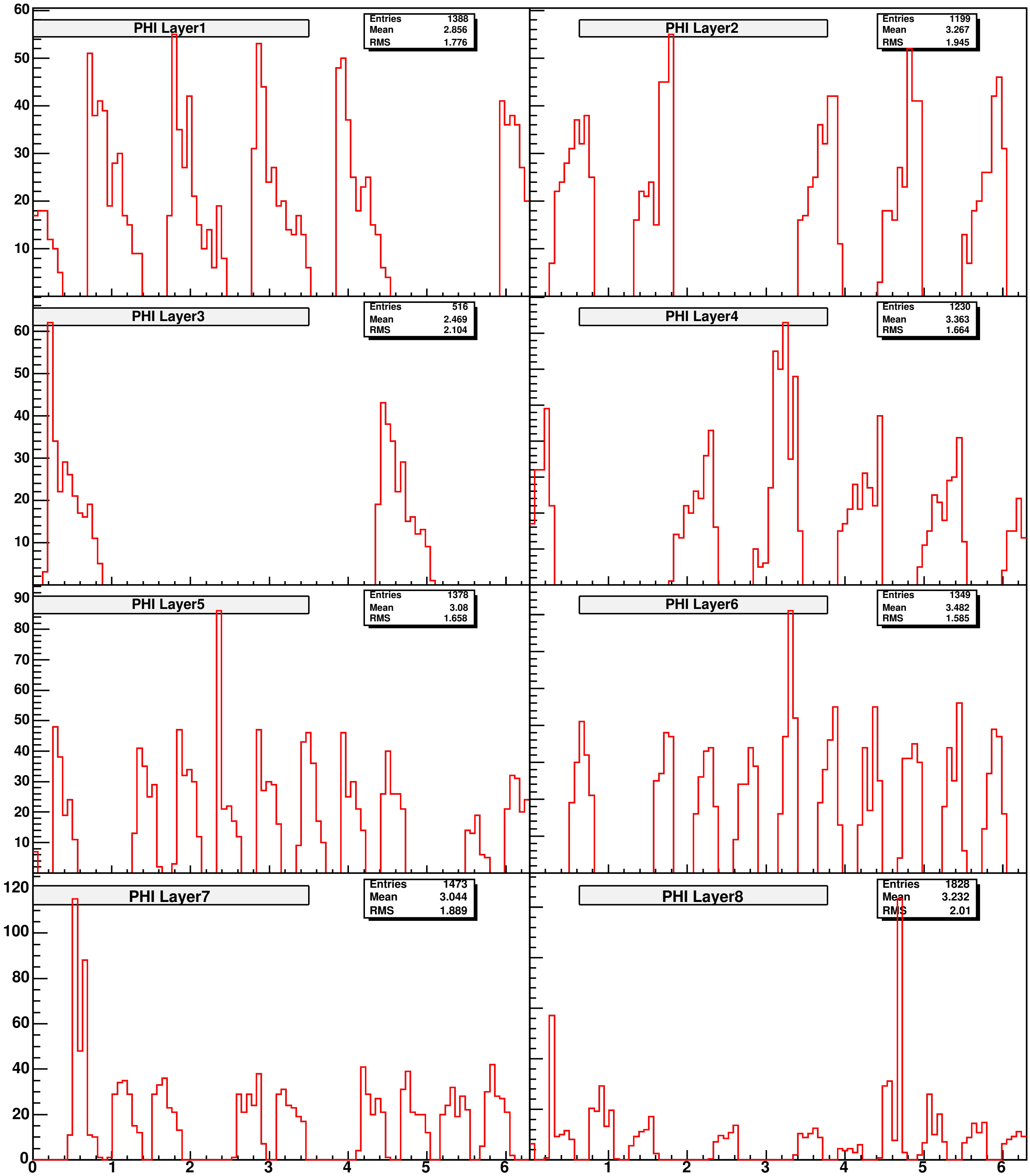

PHI HDisk All
Entries 14278
Mean 3.249
RMS 1.858
450
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



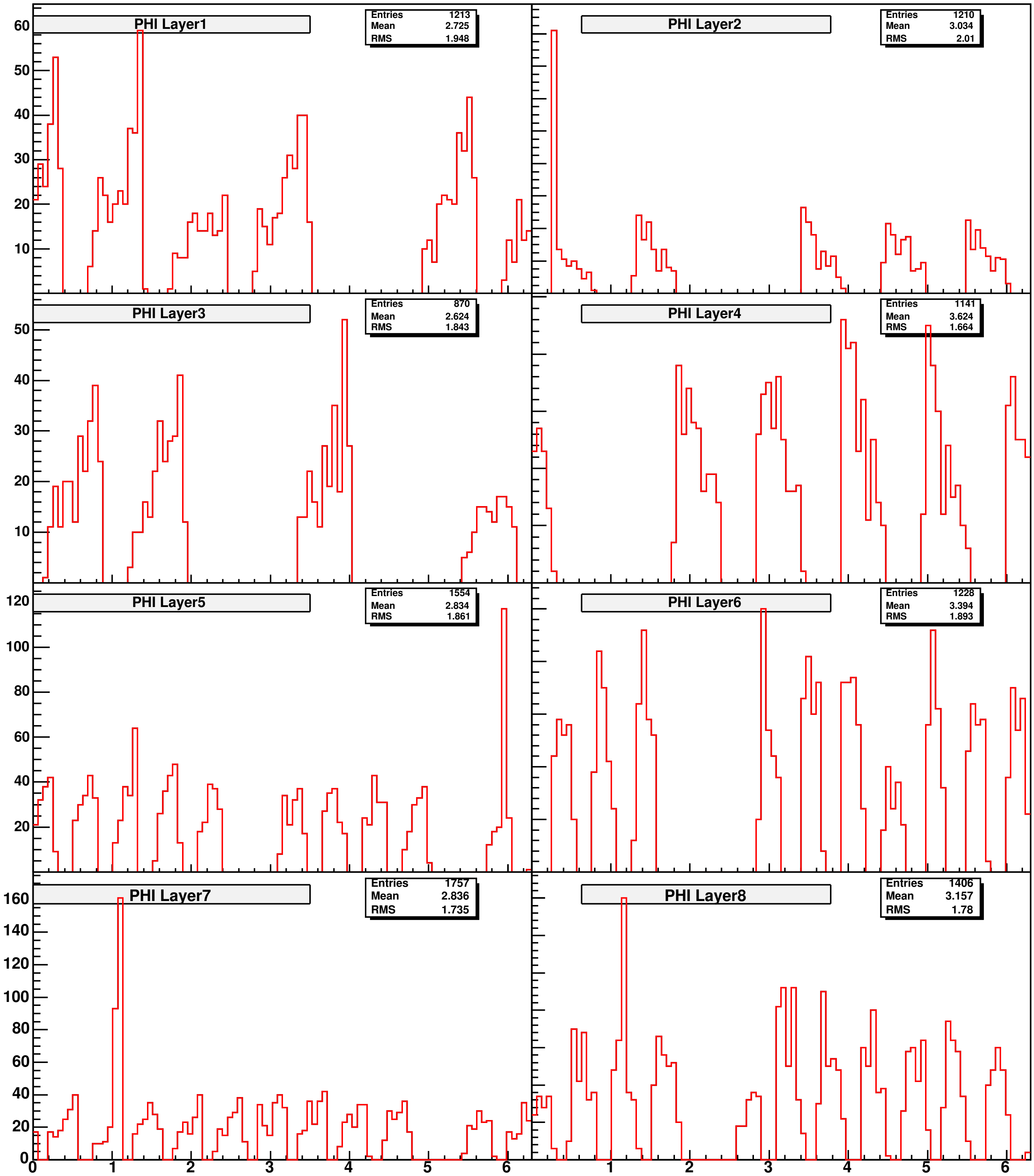
SmtClusters (ClustrBar1)



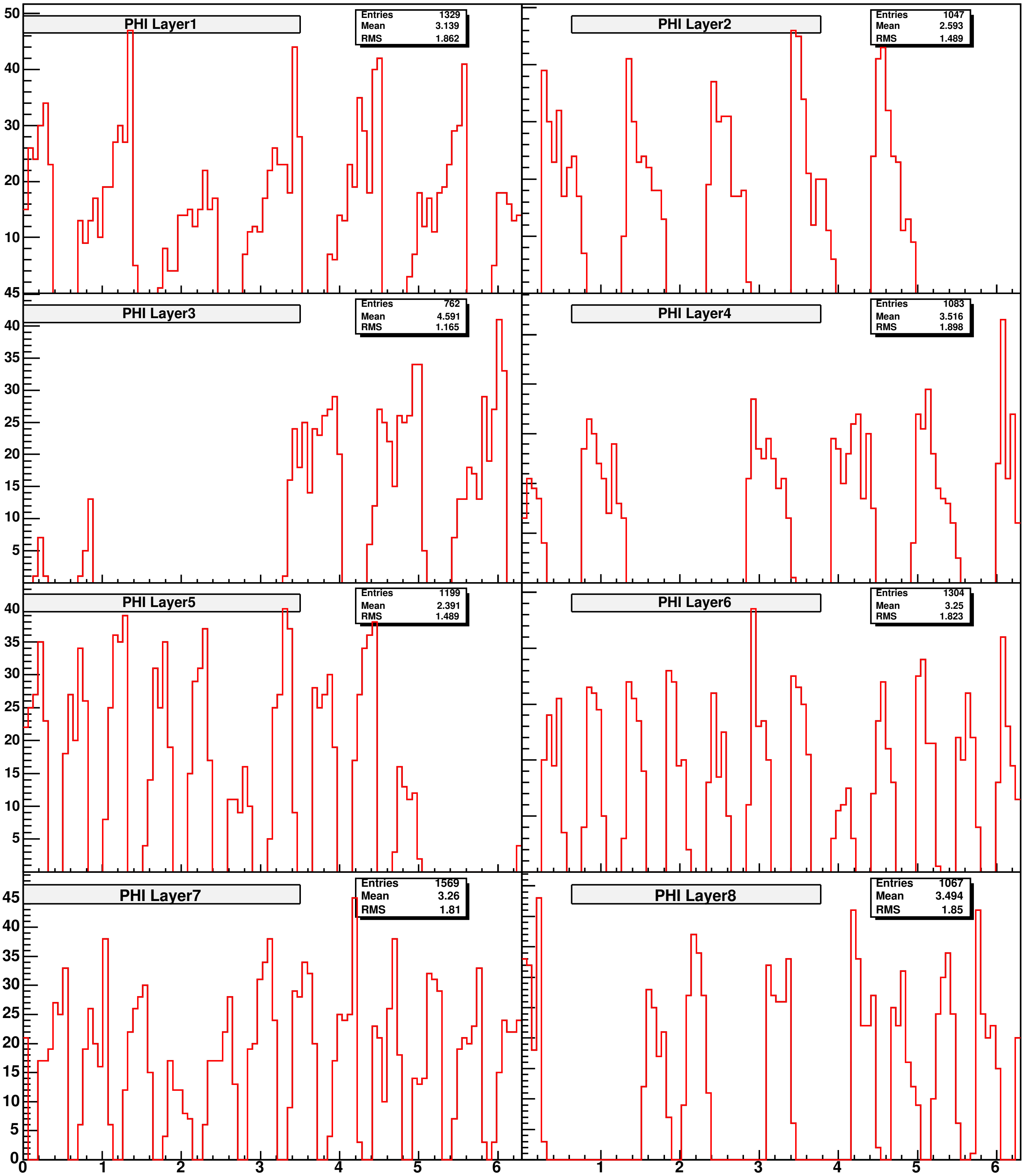
SmtClusters (ClustrBar2)



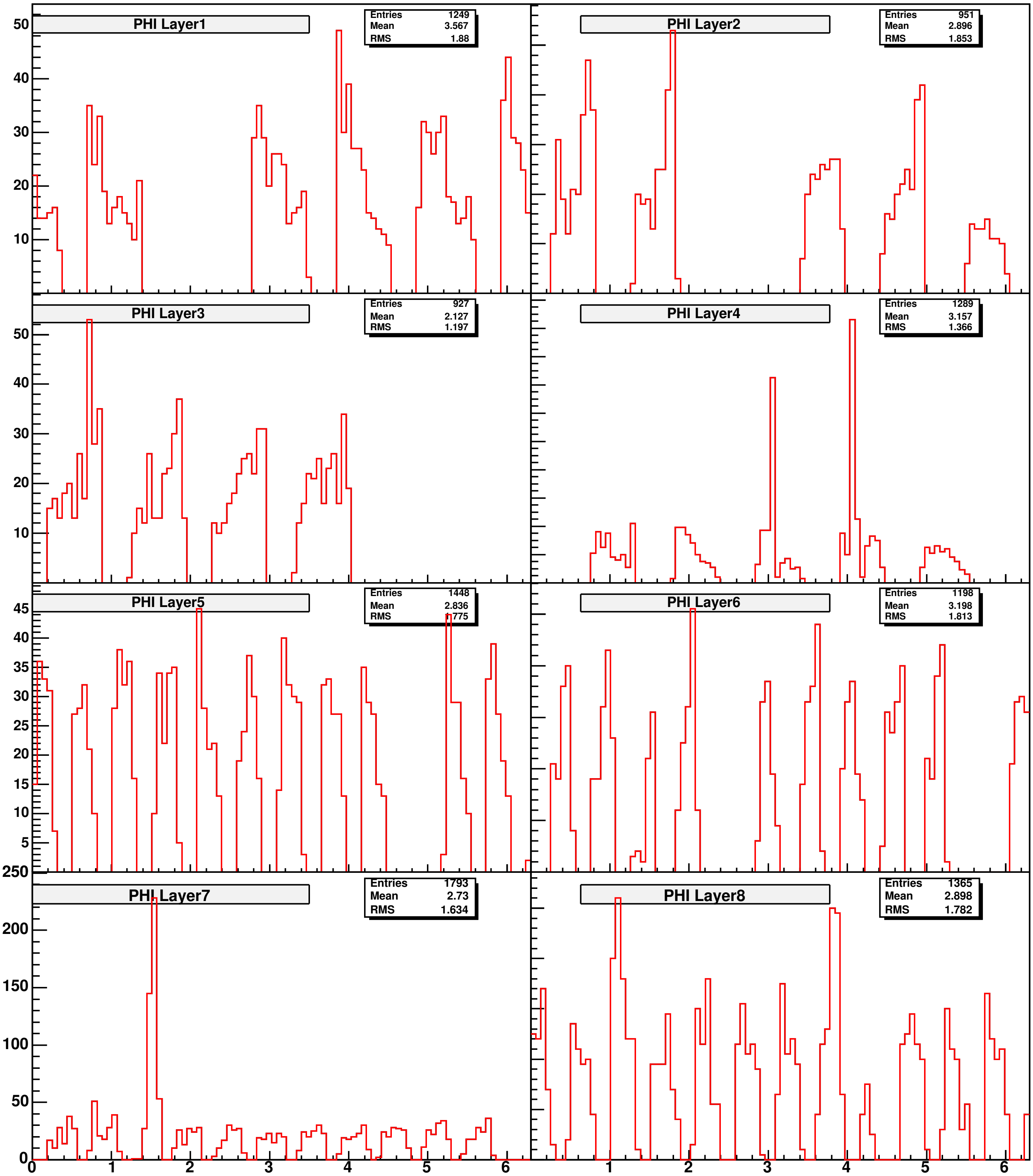
SmtClusters (ClustrBar3)



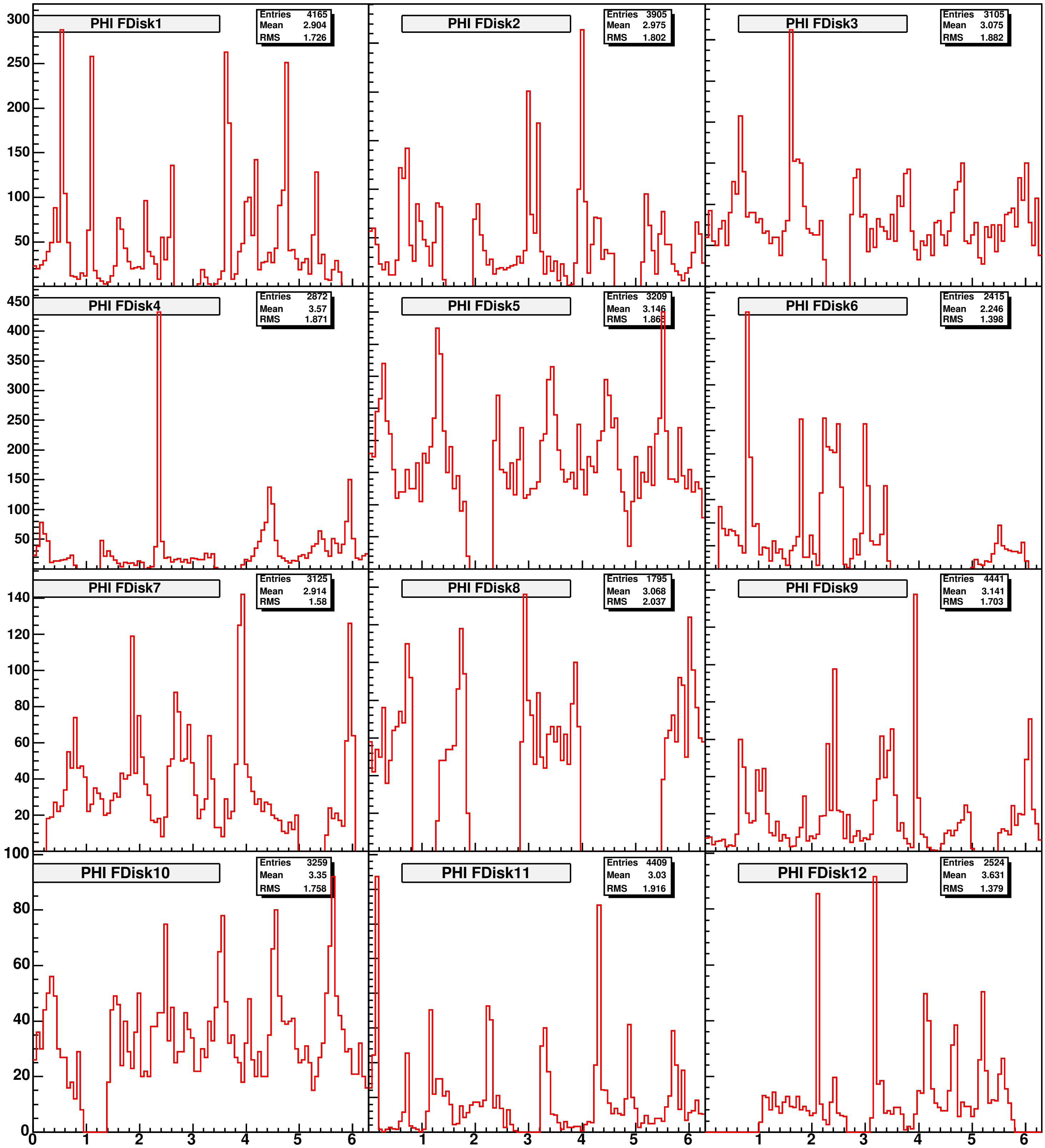
SmtClusters (ClustrBar4)



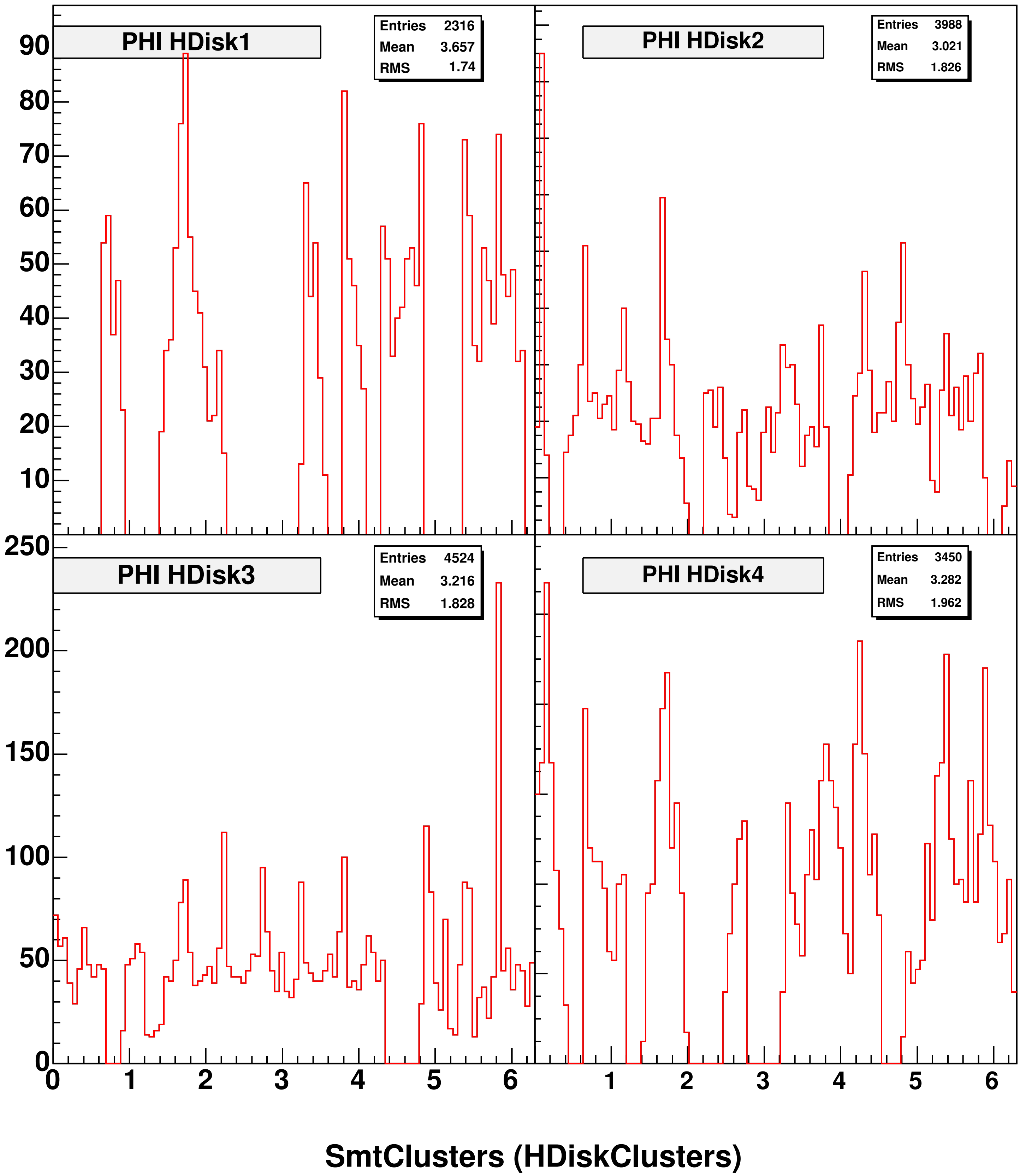
SmtClusters (ClustrBar5)

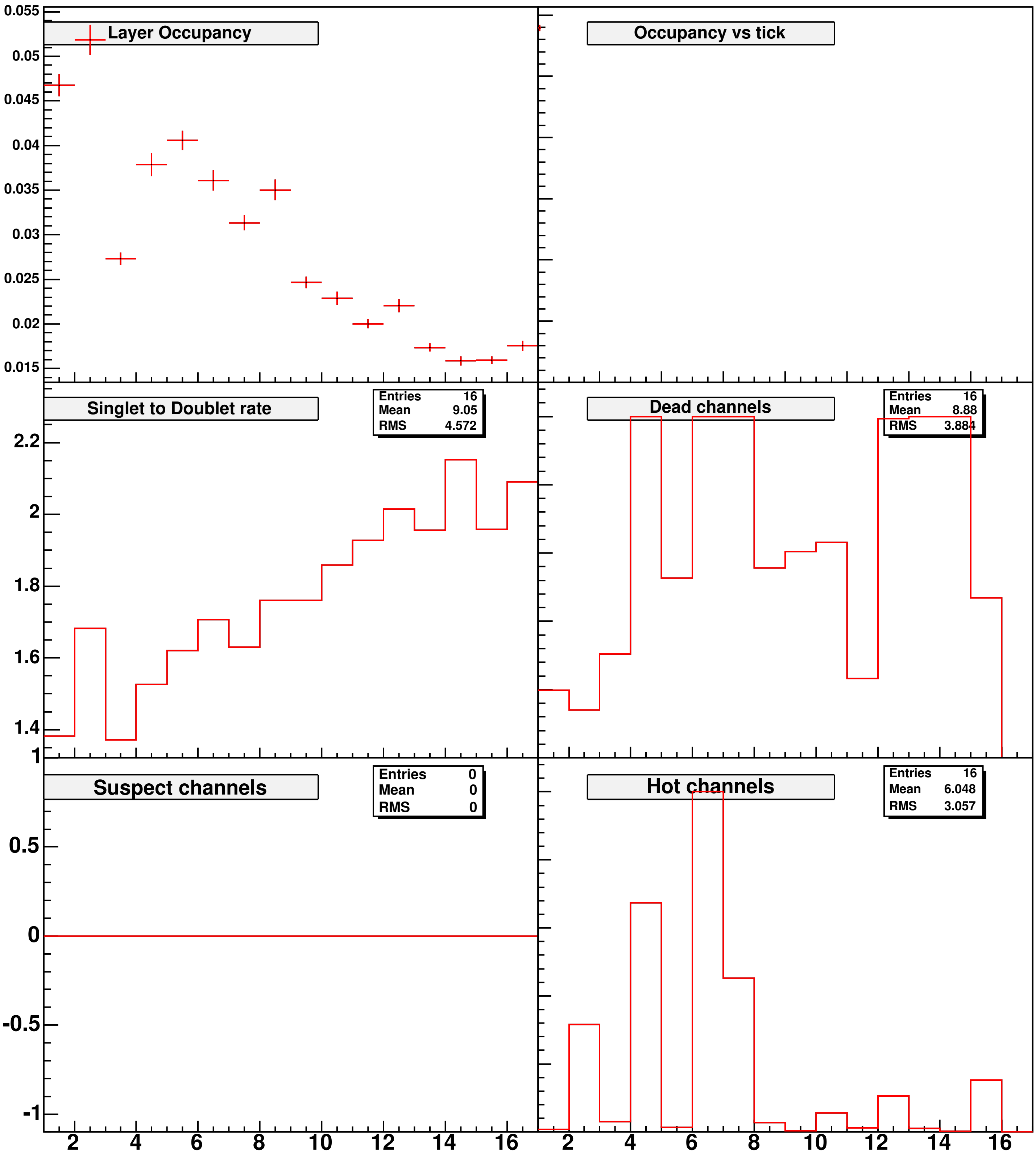


SmtClusters (ClustrBar6)

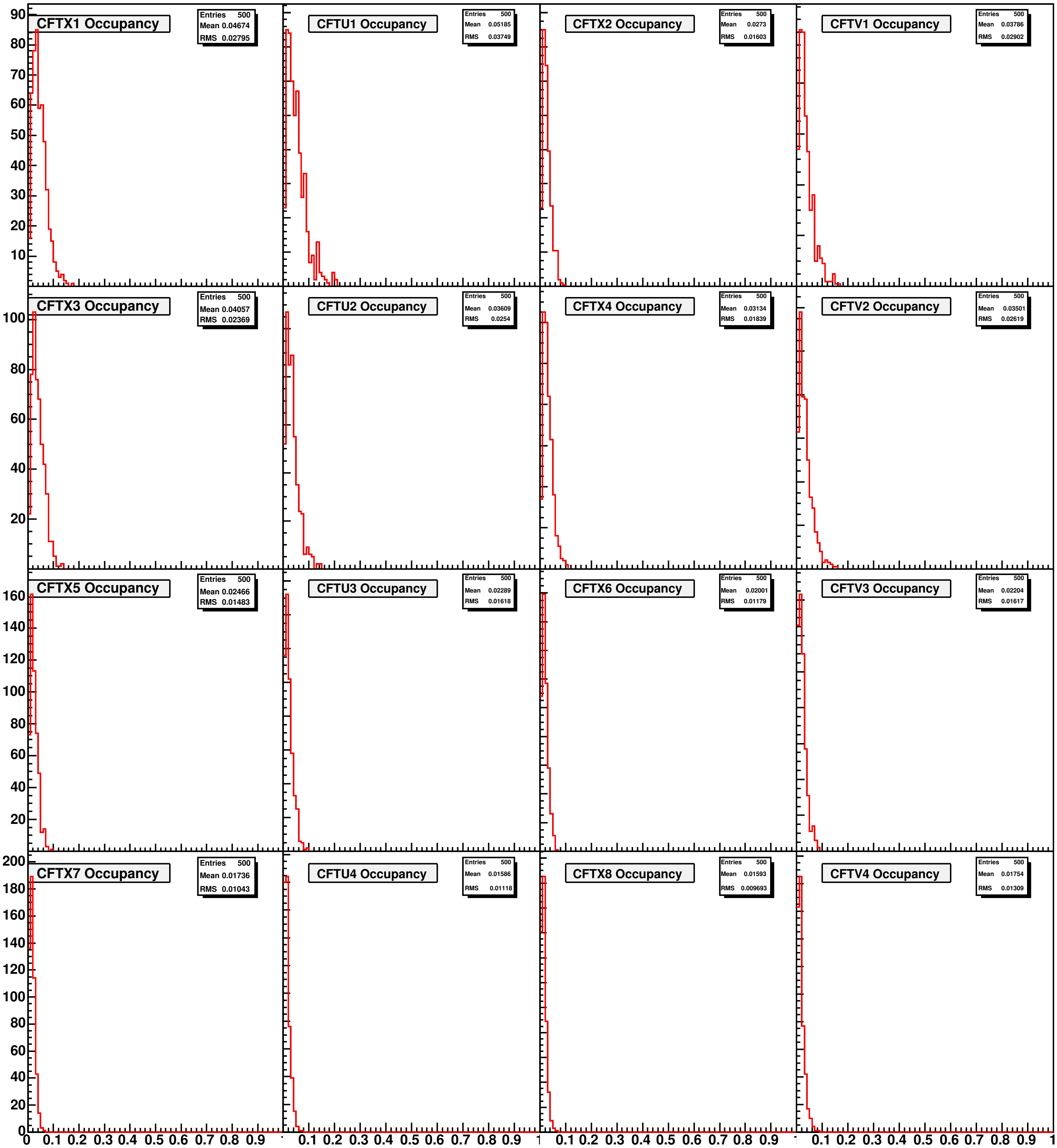


SmtClusters (FDiskClusters)

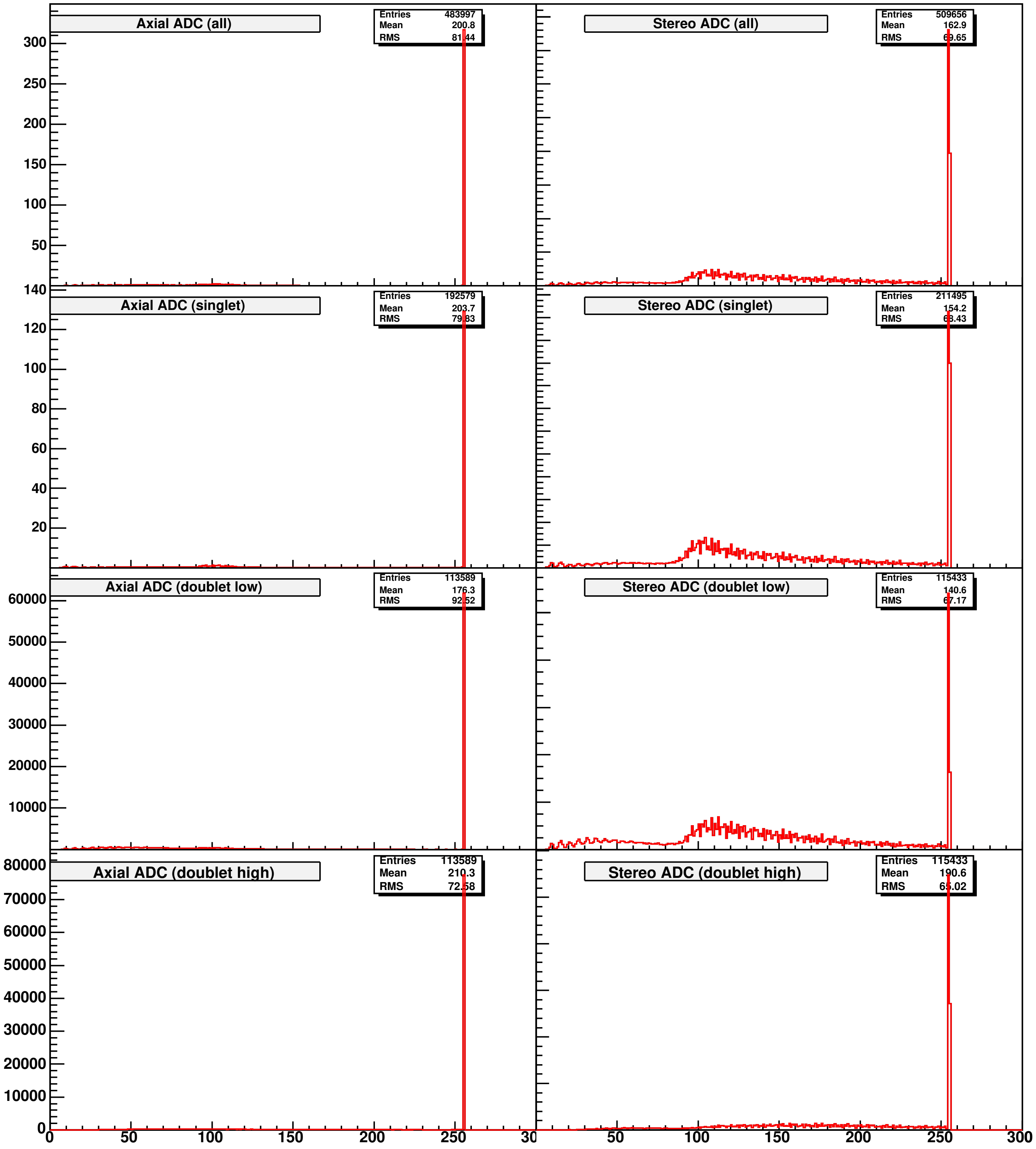

PHI HDisk1
Entries 2316
Mean 3.657
RMS 1.74
PHI HDisk2
Entries 3988
Mean 3.021
RMS 1.826
PHI HDisk3
Entries 4524
Mean 3.216
RMS 1.828
PHI HDisk4
Entries 3450
Mean 3.282
RMS 1.962
SmtClusters (HDiskClusters)



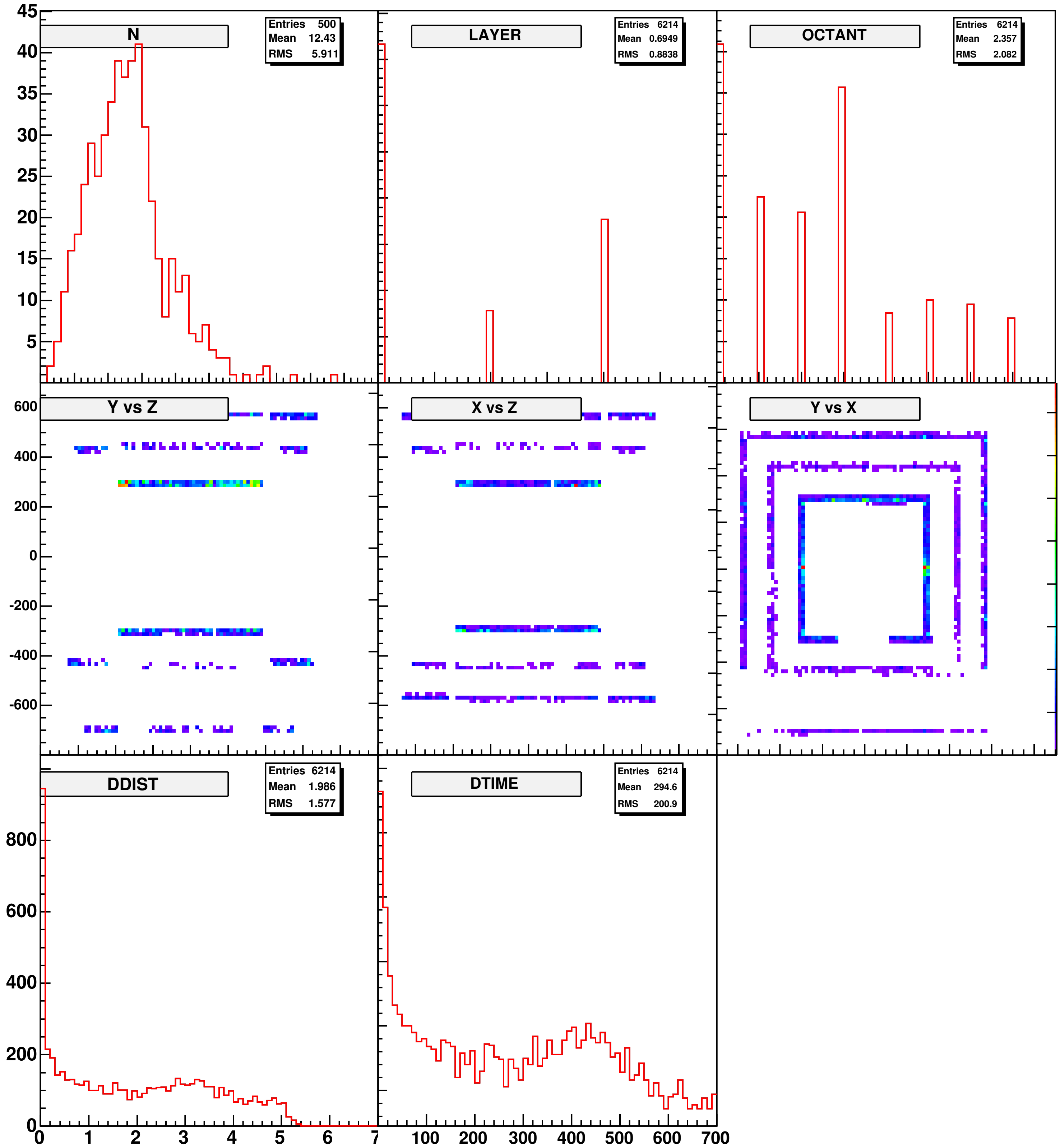
CFT Summary (All Clusters)



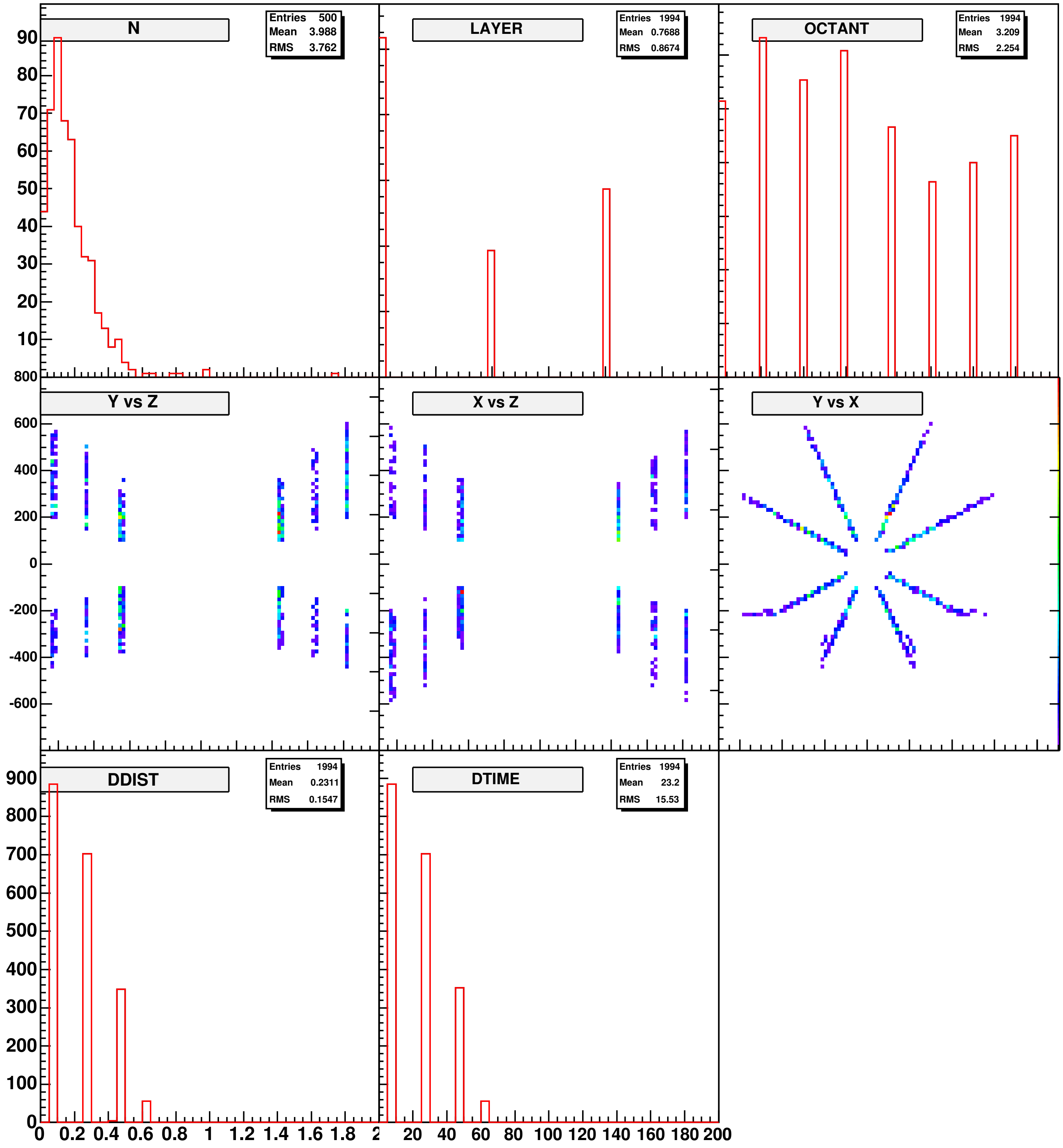
CFT Occupancy (All Clusters)



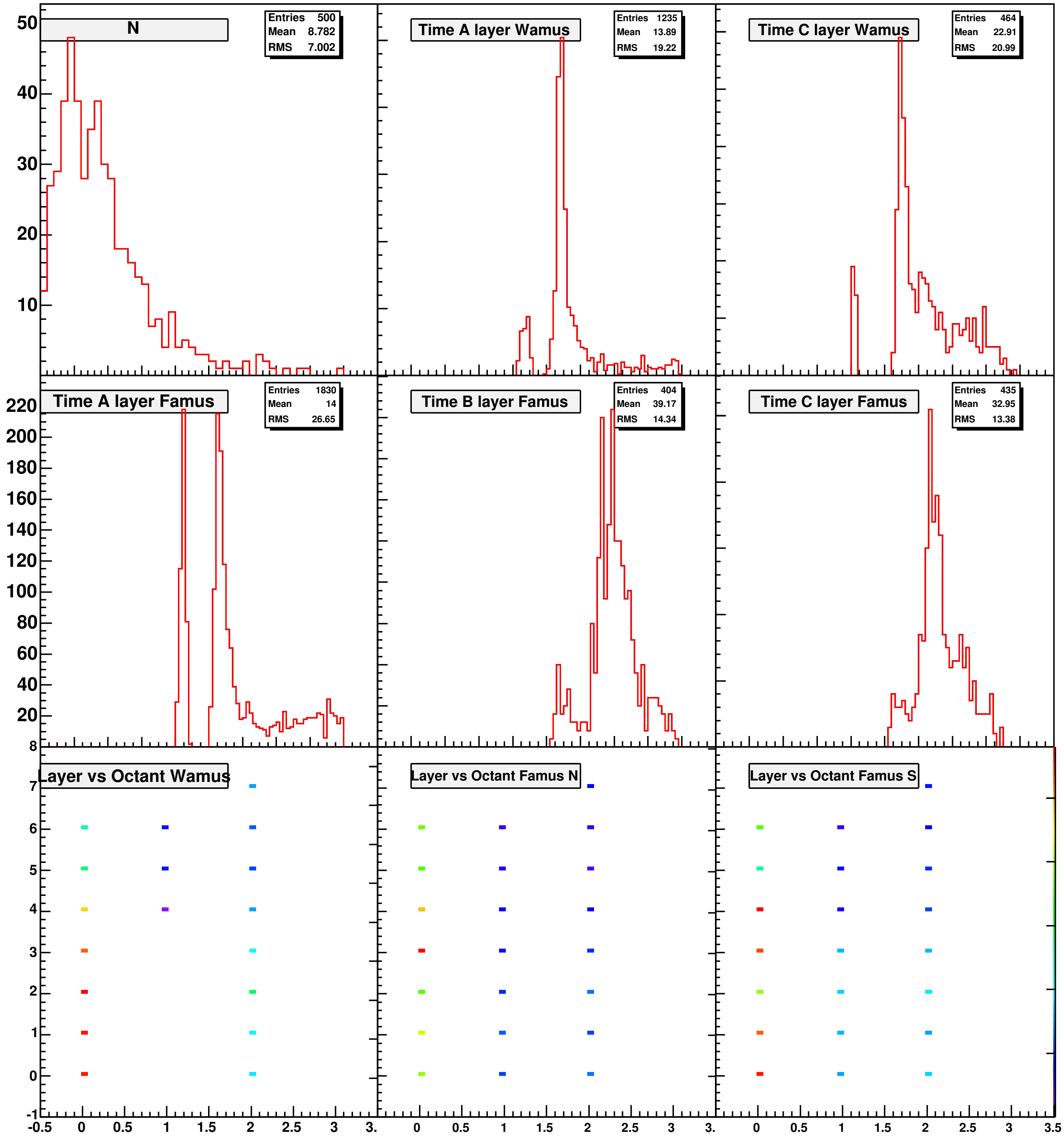
CFT ADC Summary (All Clusters)


N
Entries 500
Mean 12.43
RMS 5.911
LAYER
Entries 6214
Mean 0.6949
RMS 0.8838
OCTANT
Entries 6214
Mean 2.357
RMS 2.082
Y vs Z
X vs Z
Y vs X
DDIST
Entries 6214
Mean 1.986
RMS 1.577
DTIME
Entries 6214
Mean 294.6
RMS 200.9

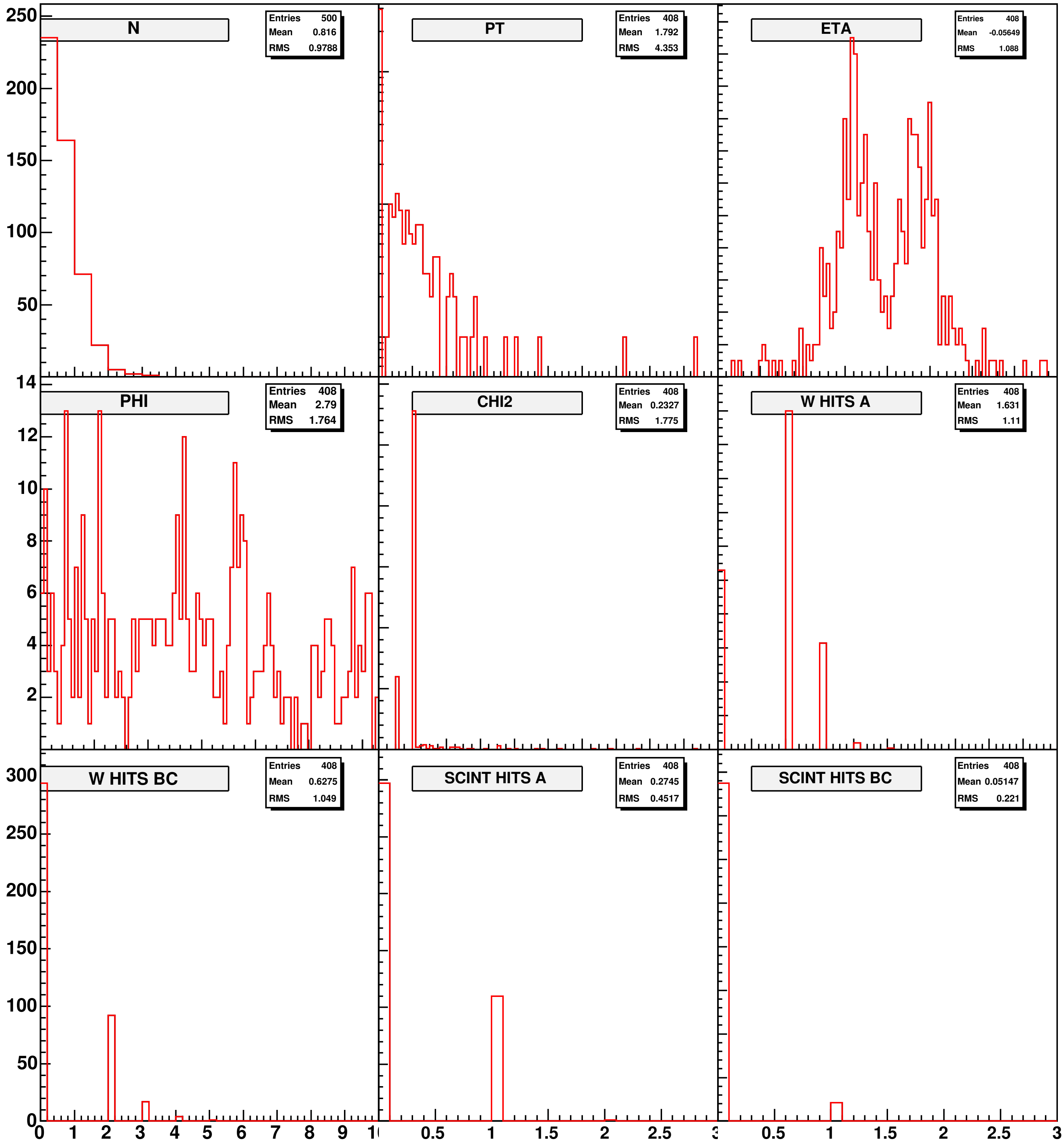
MuonPDT (All)


N
Entries 500
Mean 3.988
RMS 3.762
LAYER
Entries 1994
Mean 0.7688
RMS 0.8674
OCTANT
Entries 1994
Mean 3.209
RMS 2.254
Y vs Z
X vs Z
Y vs X
DDIST
Entries 1994
Mean 0.2311
RMS 0.1547
DTIME
Entries 1994
Mean 23.2
RMS 15.53

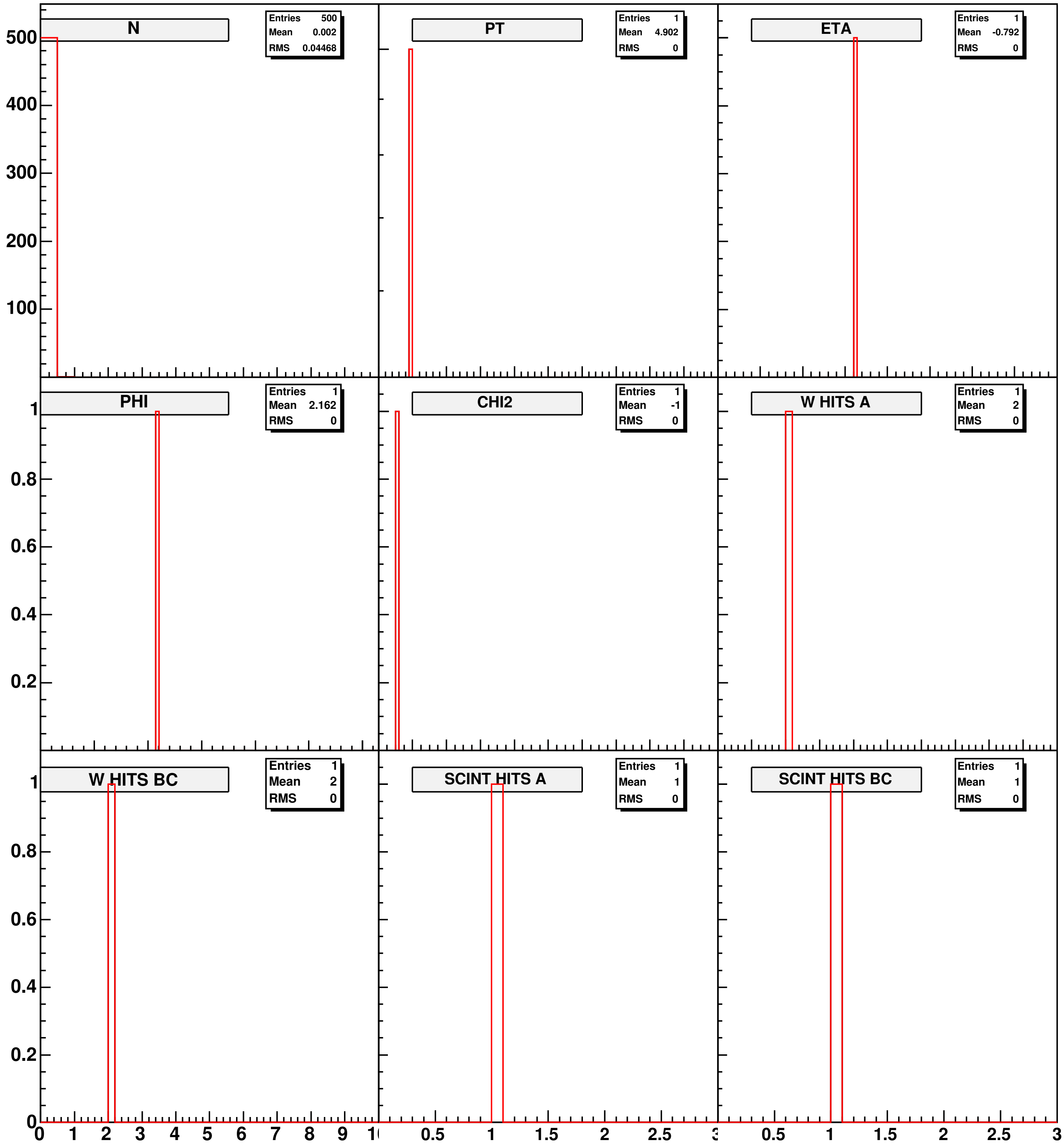
MuonMDT (All)


N
Entries 500
Mean 8.782
RMS 7.002
Time A layer Wamus
Entries 1235
Mean 13.89
RMS 19.22
Time C layer Wamus
Entries 464
Mean 22.91
RMS 20.99
Time A layer Famus
Entries 1830
Mean 14
RMS 26.65
Time B layer Famus
Entries 404
Mean 39.17
RMS 14.34
Time C layer Famus
Entries 435
Mean 32.95
RMS 13.38
Layer vs Octant Wamus
Layer vs Octant Famus N
Layer vs Octant Famus S

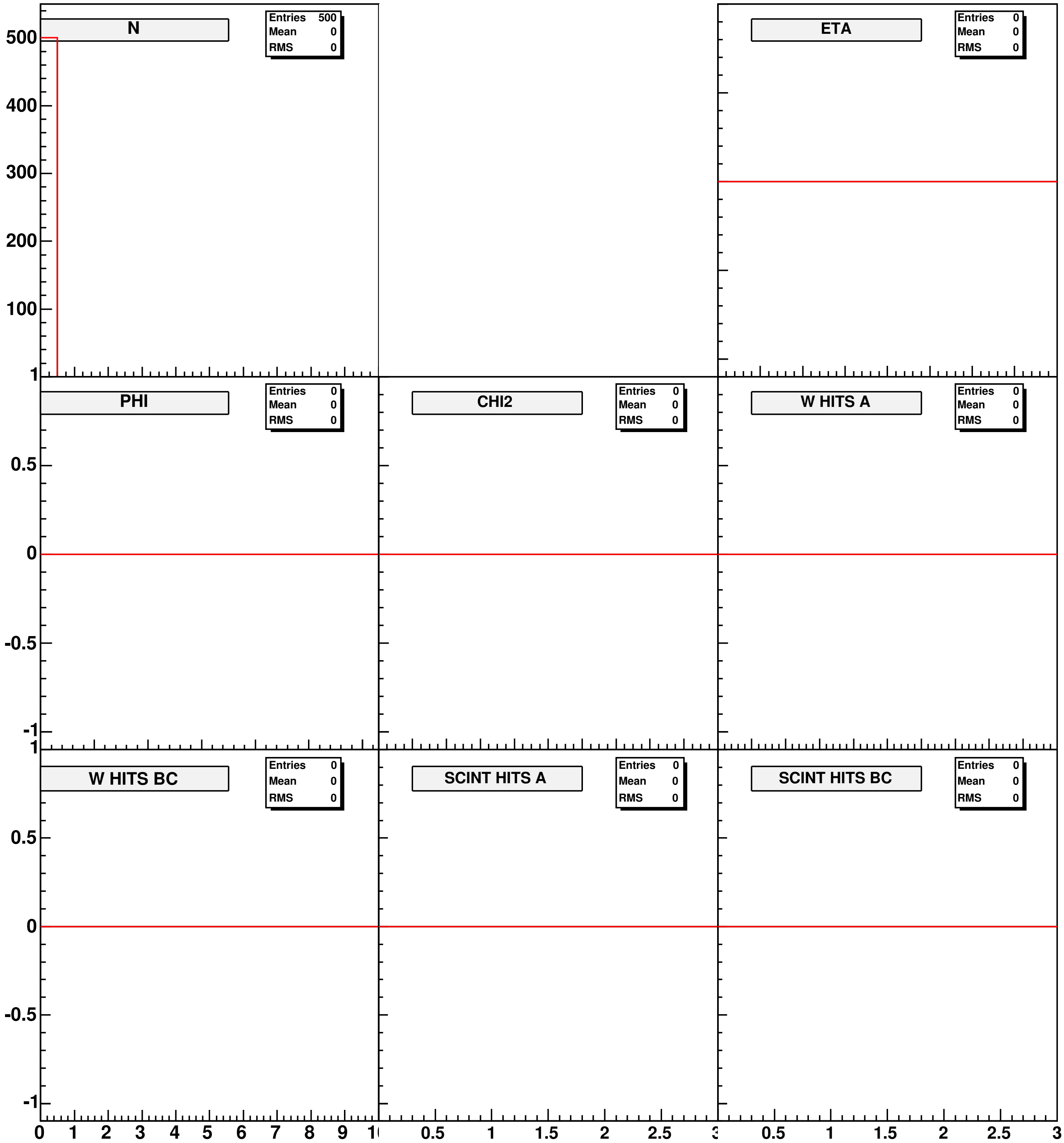
MuonMSC (All)



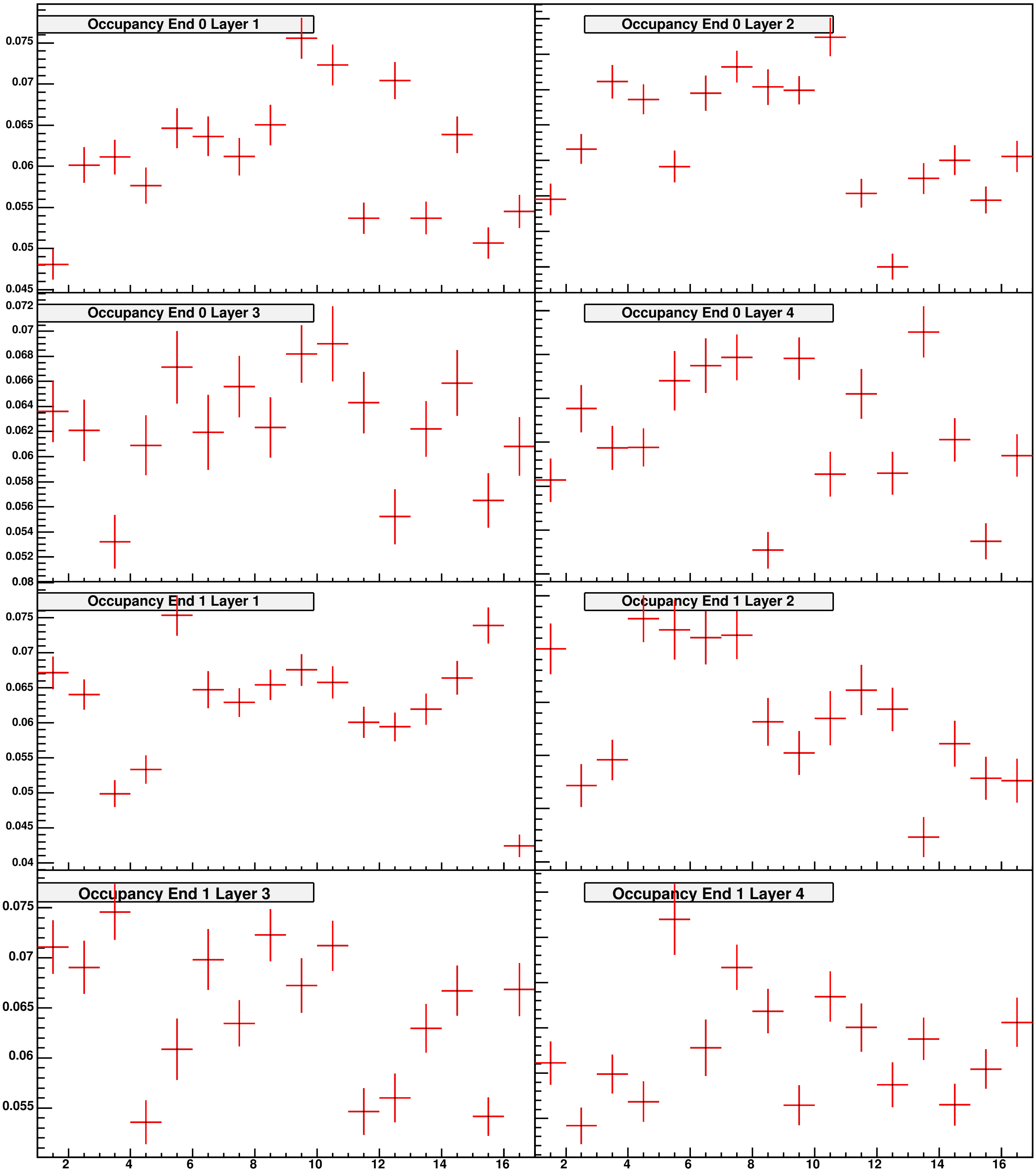
Muon Local Tracks (All)



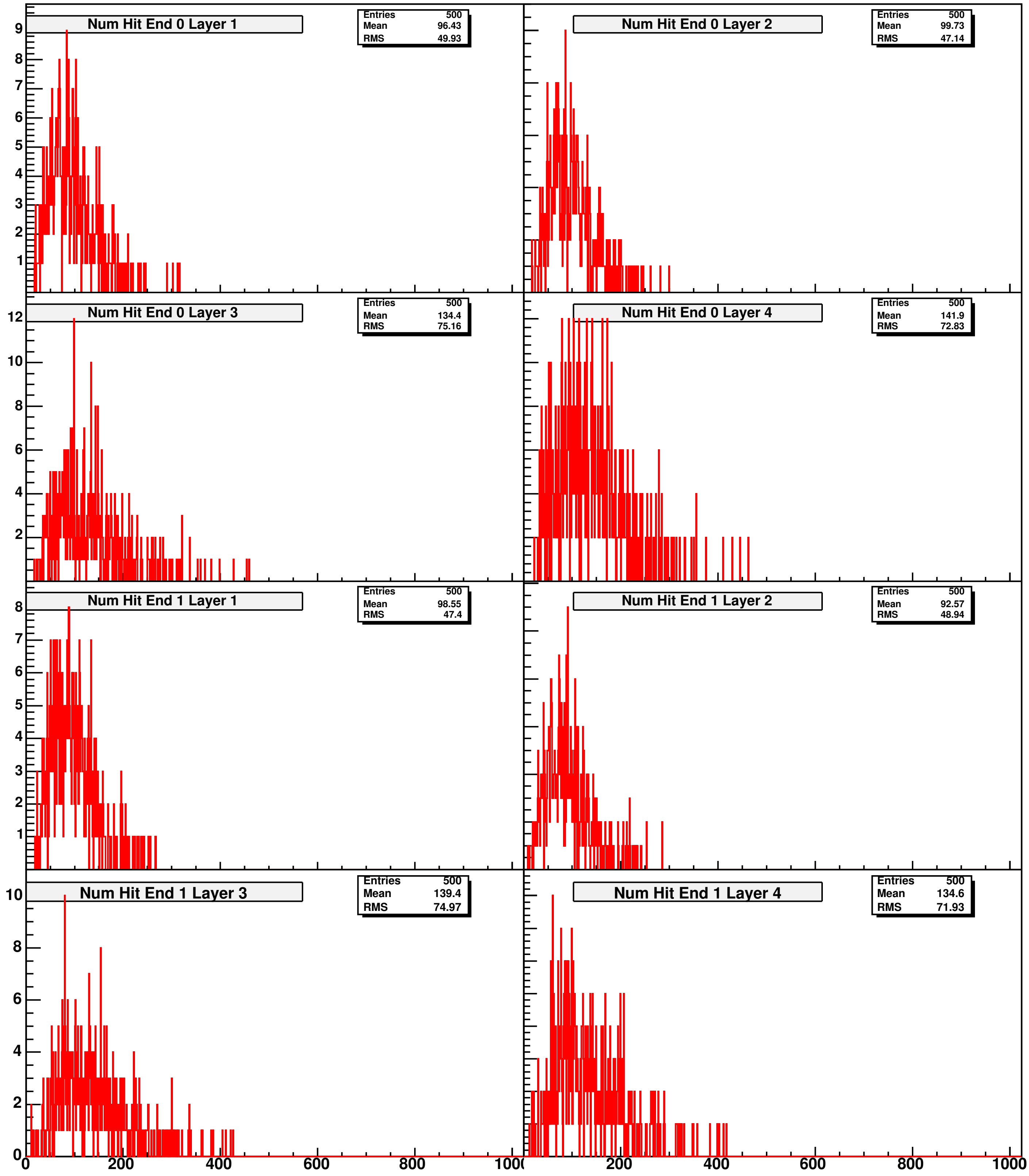
Muon Local Tracks (MediumWamus)



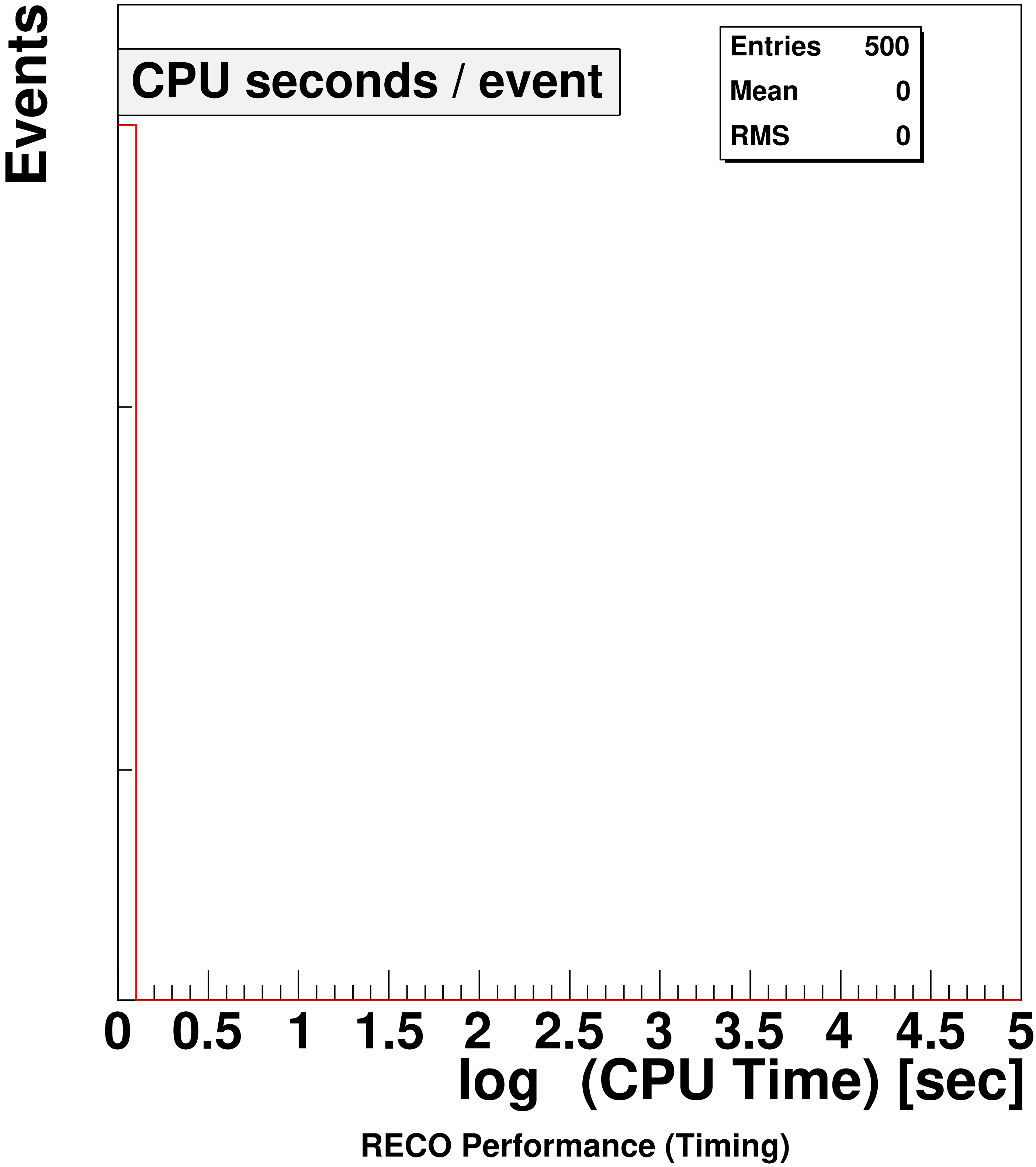
Muon Local Tracks (MediumFamus)



FPS Hit Occupancy (All)



FPS Number of Hits (All)


Events
CPU seconds / event
Entries 500
Mean 0
RMS 0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
log (CPU Time) [sec]
RECO Performance (Timing)