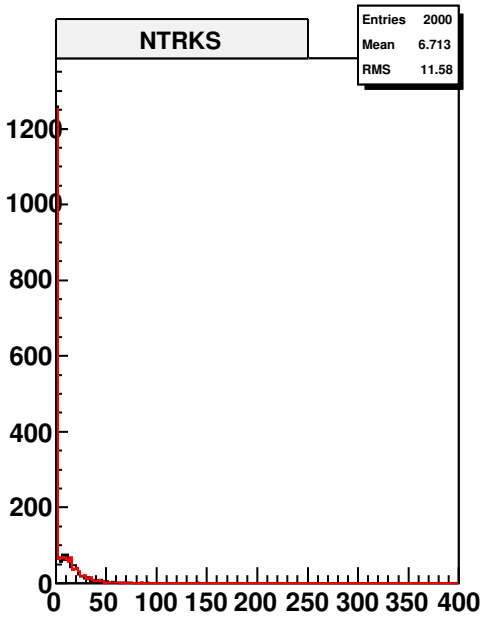
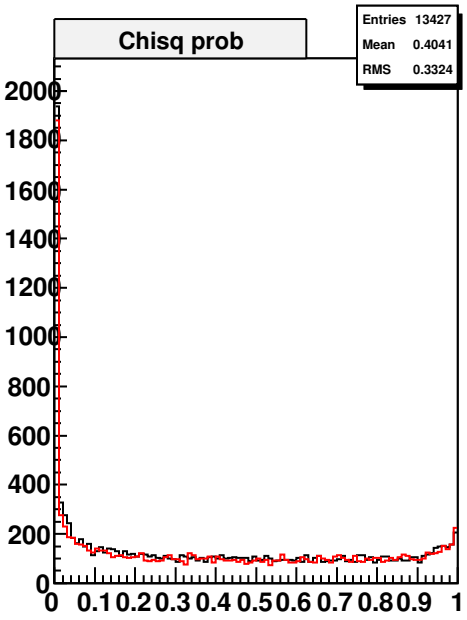
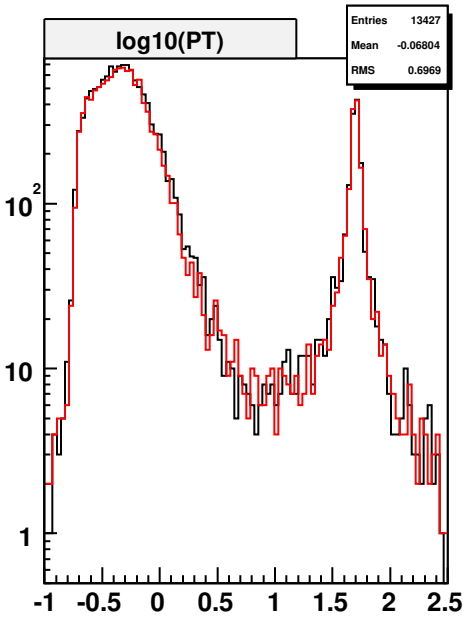
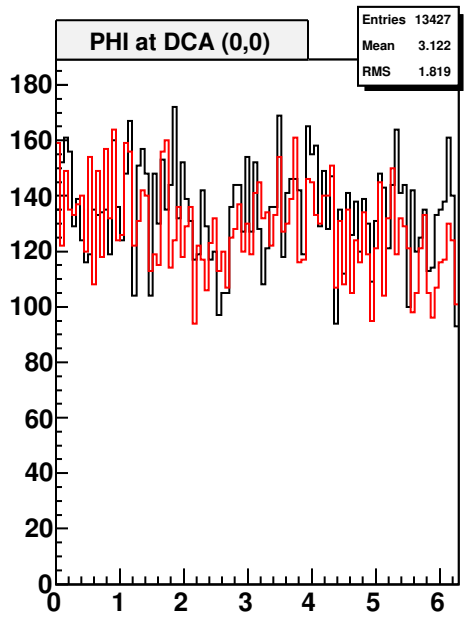
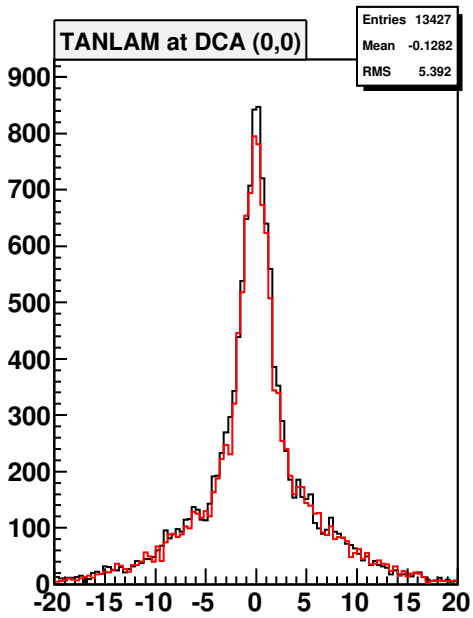
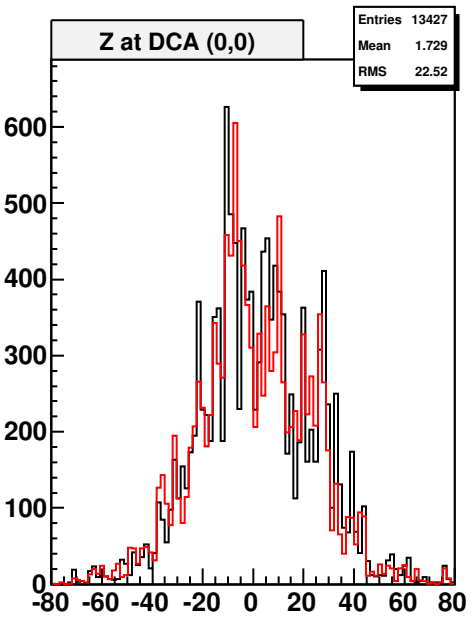

NTRKS
Entries 2000
Mean 6.713
RMS 11.58

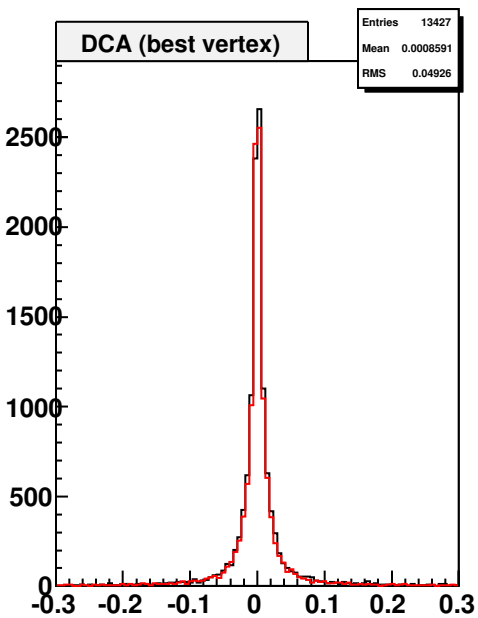

Chisq prob
Entries 13427
Mean 0.4041
RMS 0.3324

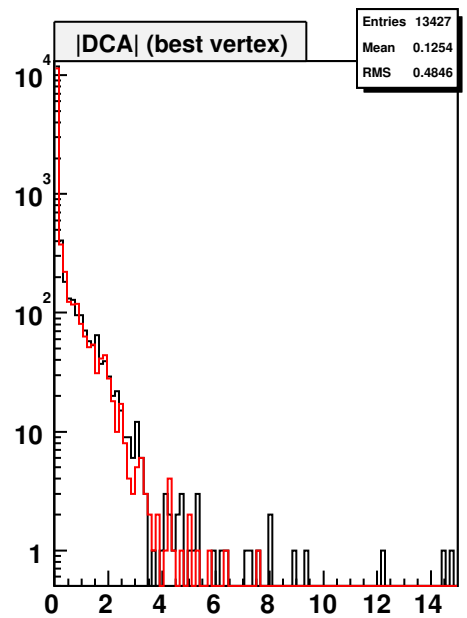

log10(PT)
Entries 13427
Mean -0.06804
RMS 0.6969

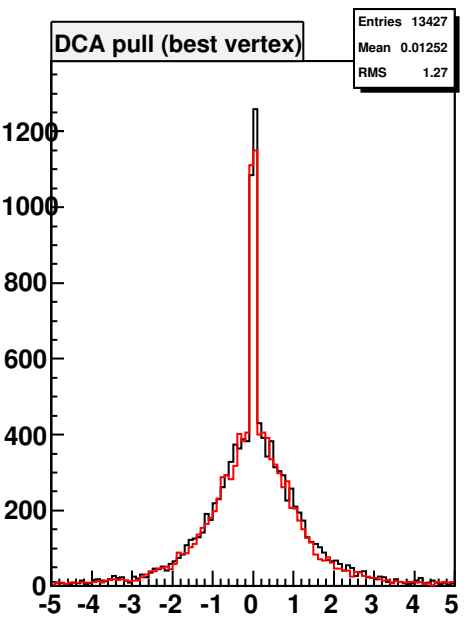

PHI at DCA (0,0)
Entries 13427
Mean 3.122
RMS 1.819


TANLAM at DCA (0,0)
Entries 13427
Mean -0.1282
RMS 5.392

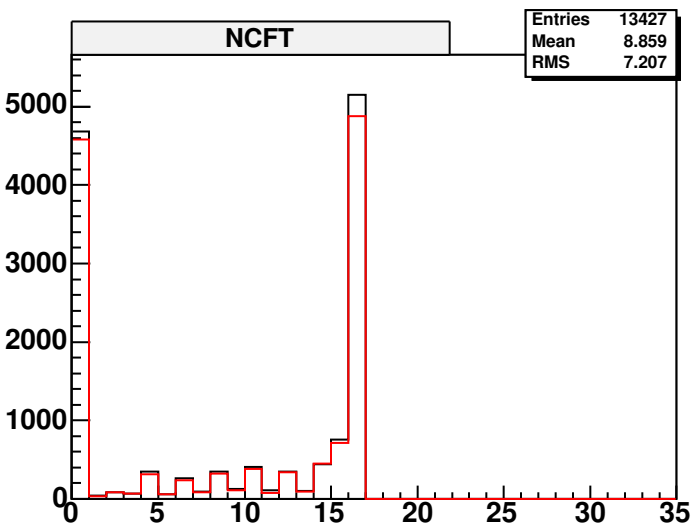

Z at DCA (0,0)
Entries 13427
Mean 1.729
RMS 22.52

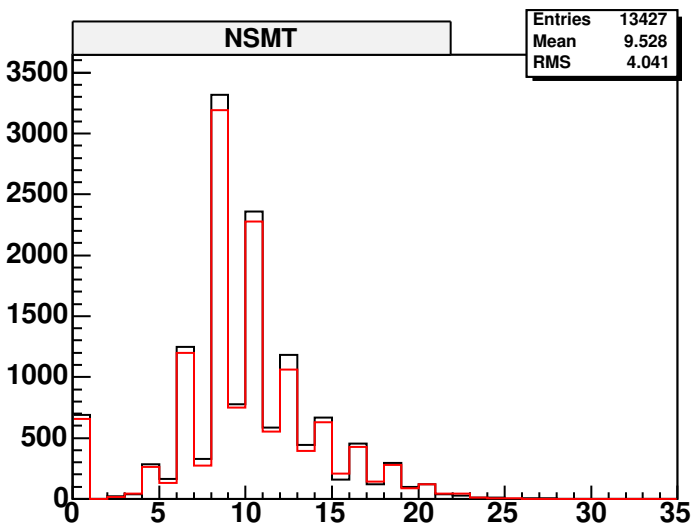

DCA (best vertex)
Entries 13427
Mean 0.0008591
RMS 0.04926

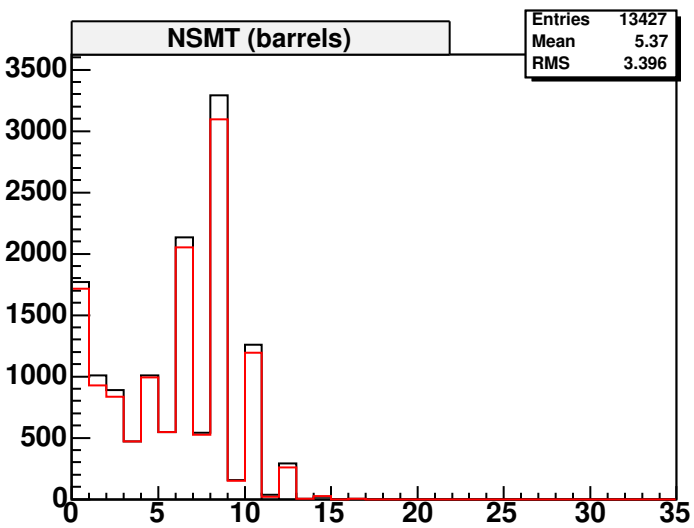

|DCA| (best vertex)
Entries 13427
Mean 0.1254
RMS 0.4846

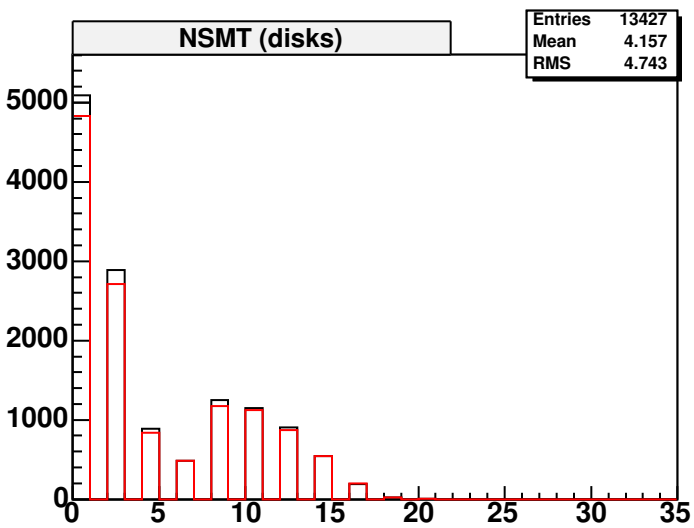

DCA pull (best vertex)
Entries 13427
Mean 0.01252
RMS 1.27

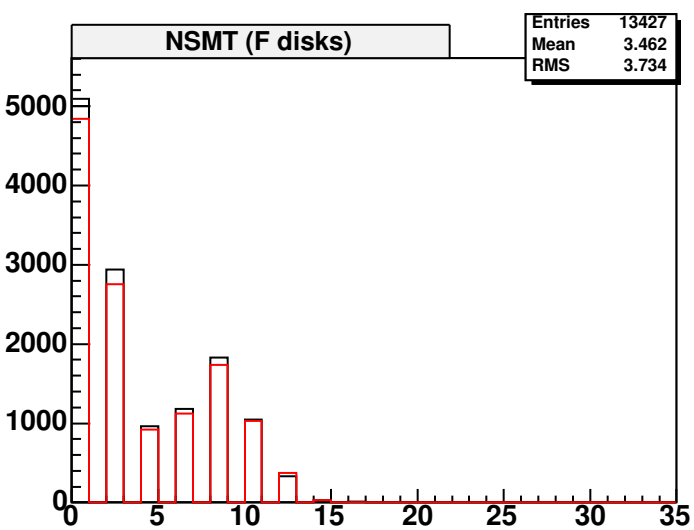
Tracks (All)

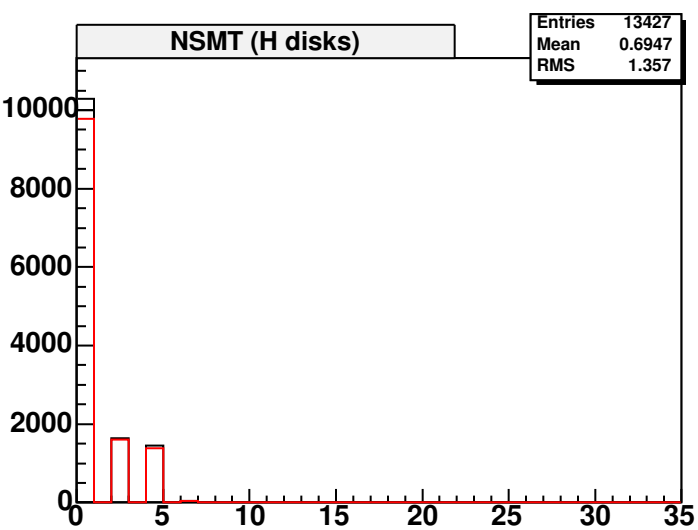




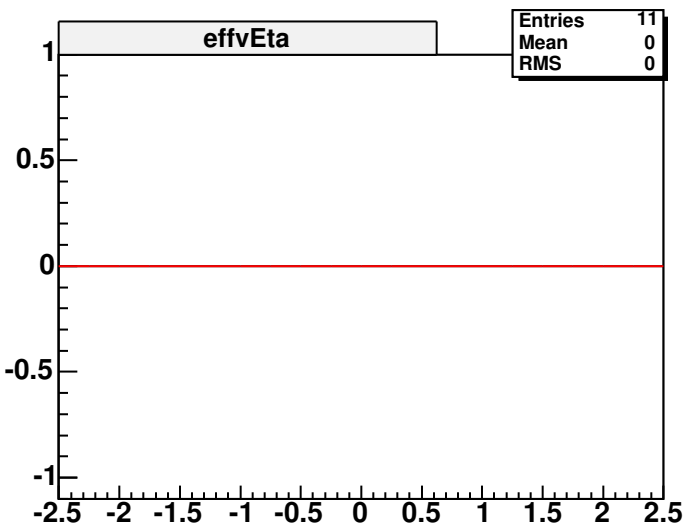


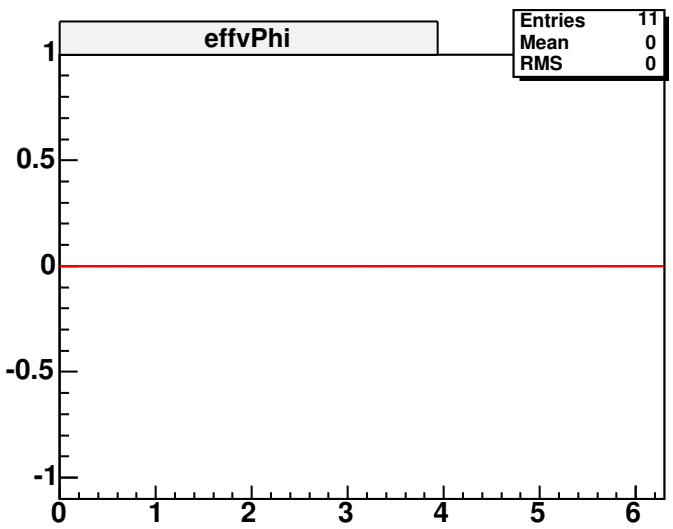


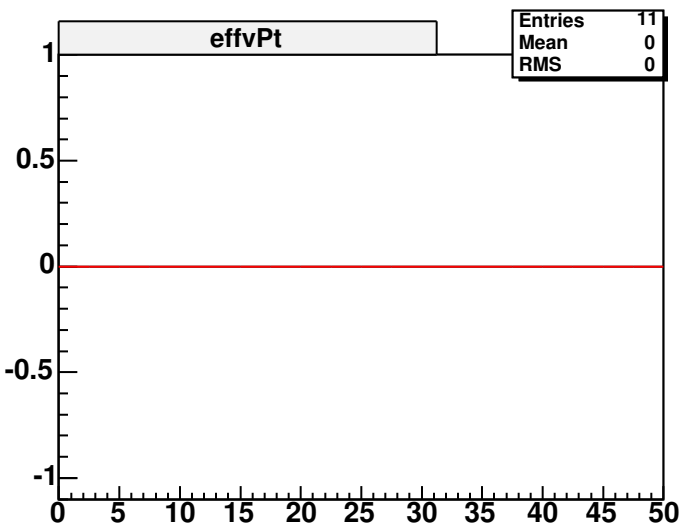


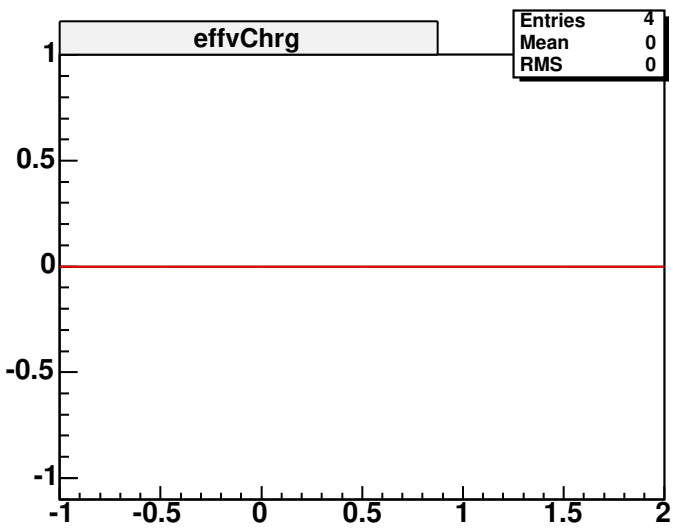


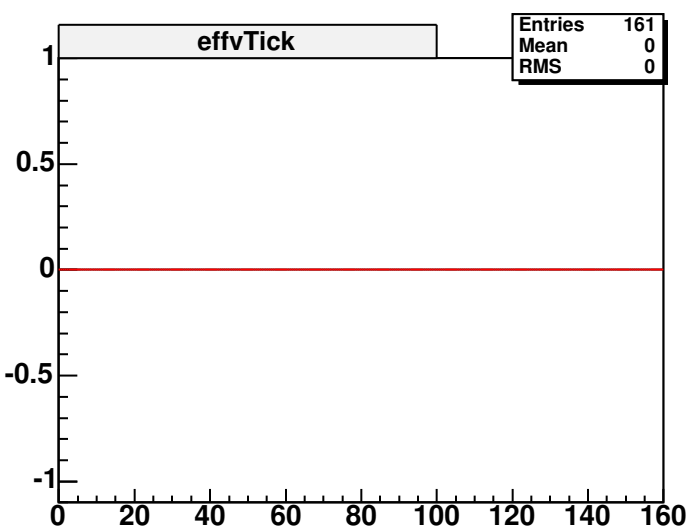
Track Hits (All)

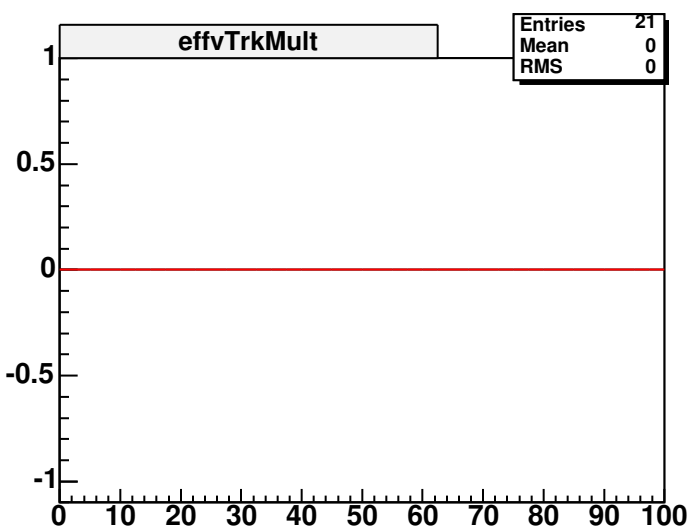




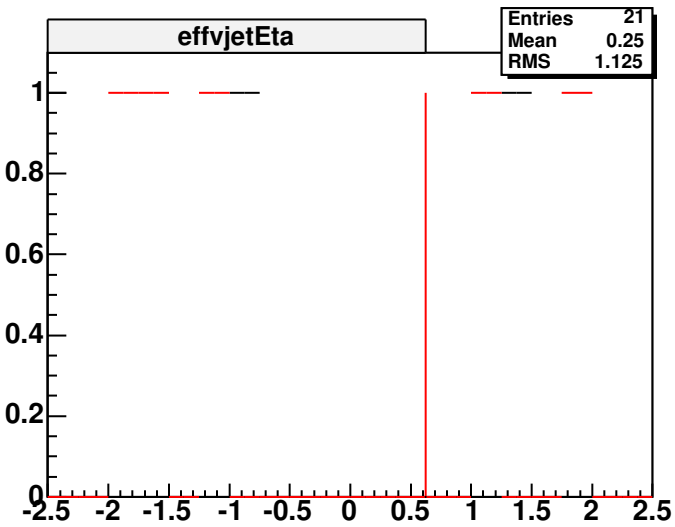


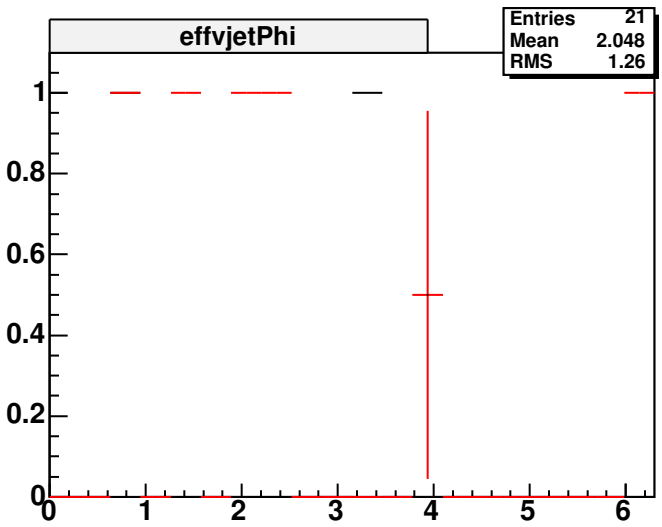


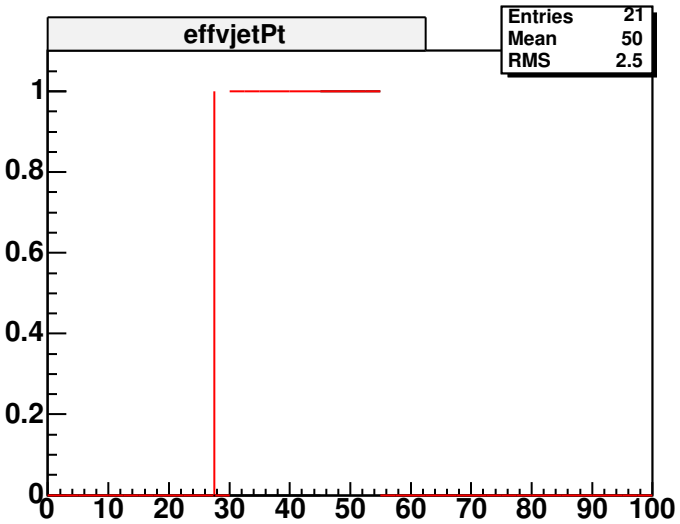


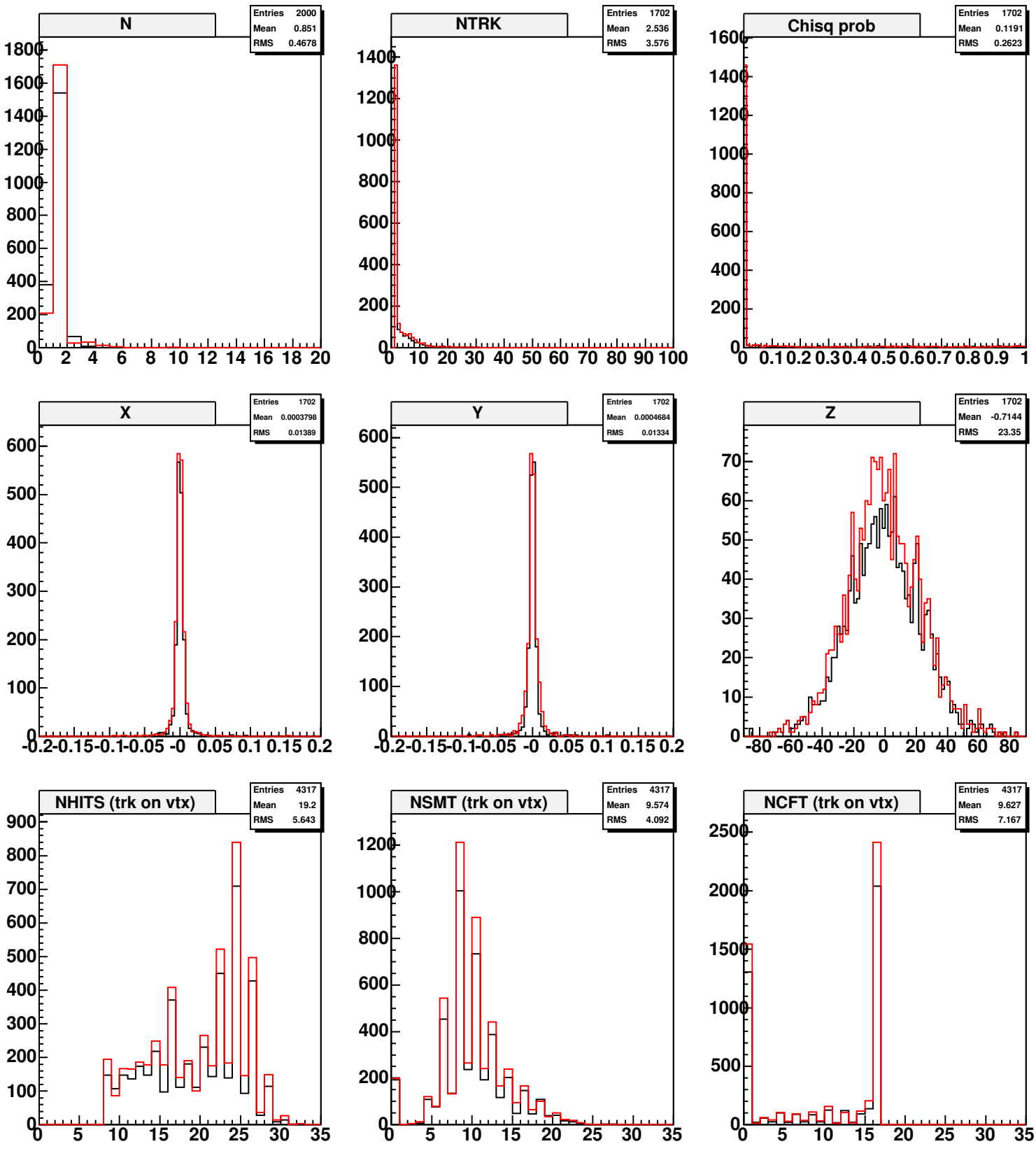


Tracking (Efficiency-Isolated)

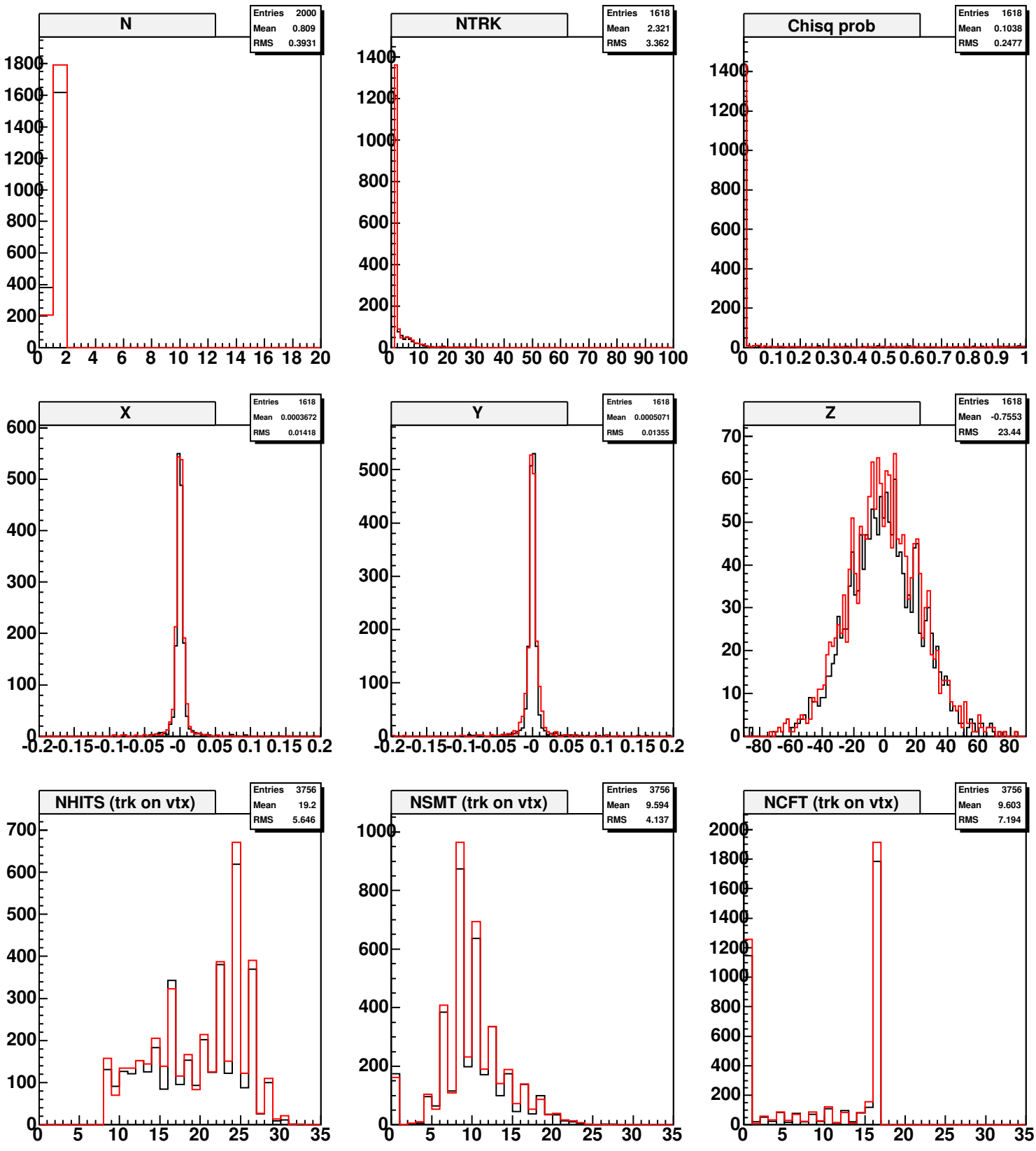

effvjetEta
Entries 21
Mean 0.25
RMS 1.125
1
0.8
0.6
0.4
0.2
0
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5


effvjetPhi
Entries 21
Mean 2.048
RMS 1.26
1
0.8
0.6
0.4
0.2
0
0 1 2 3 4 5 6

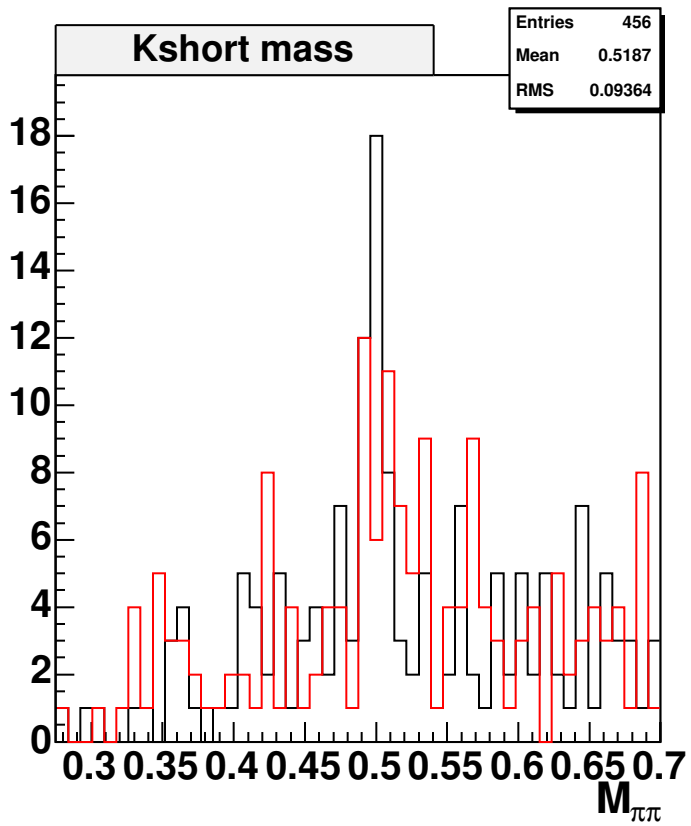

effvjetPt
Entries 21
Mean 50
RMS 2.5
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

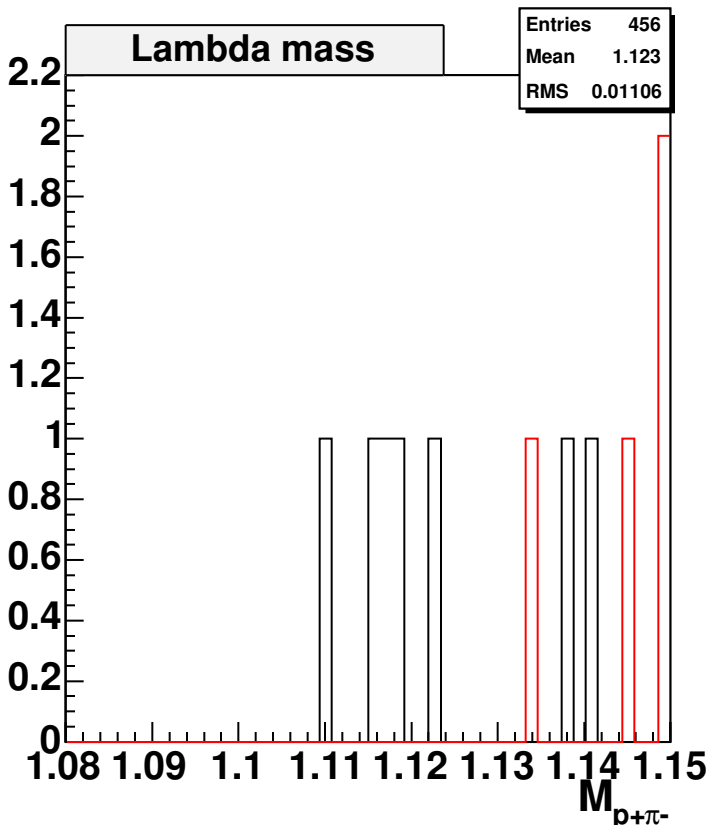


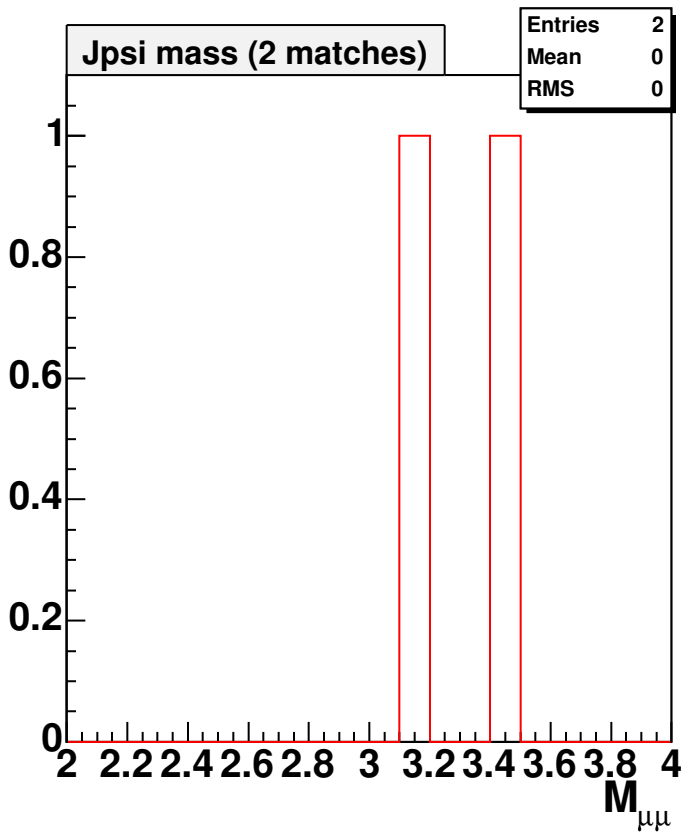
Vertices (Primary - all candidates)

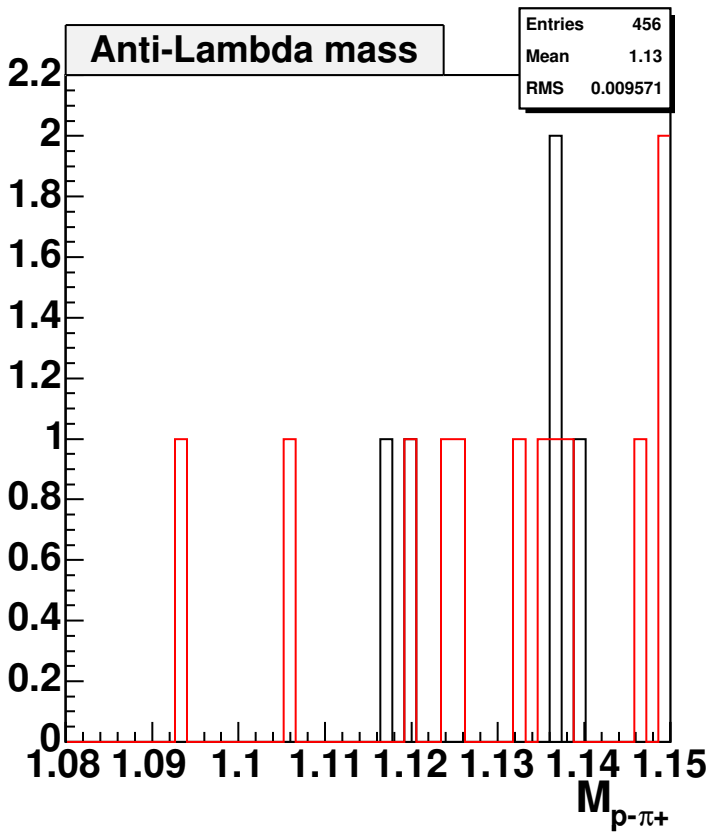


Vertices (Primary - best)

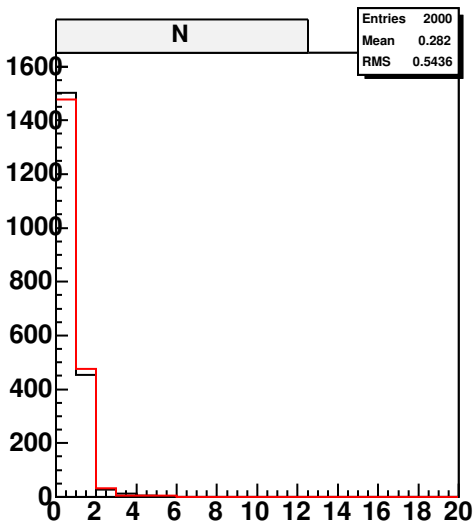

Kshort mass
Entries 456
Mean 0.5187
RMS 0.09364
$M_{\pi\pi}$

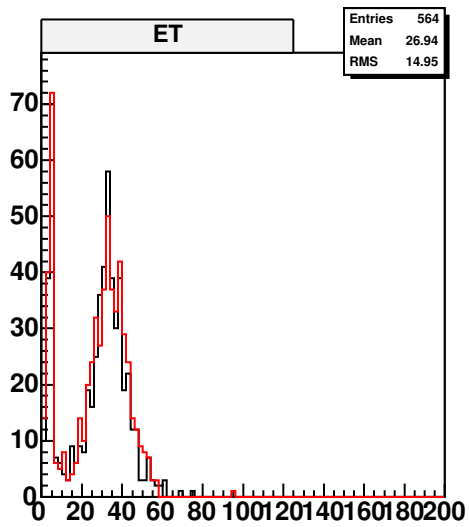

Lambda mass
Entries 456
Mean 1.123
RMS 0.01106
$M_{p+\pi-}$

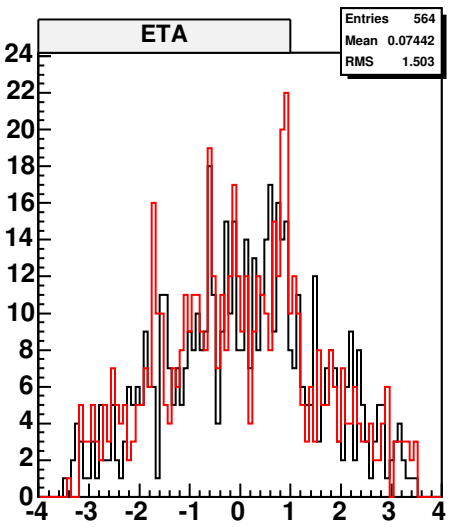

Jpsi mass (2 matches)
Entries 2
Mean 0
RMS 0
$M_{\mu\mu}$

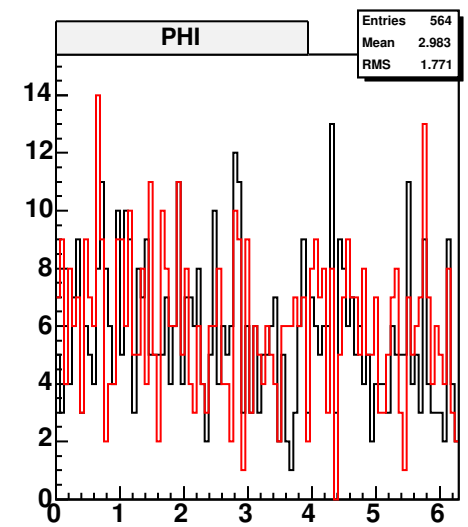

Anti-Lambda mass
Entries 456
Mean 1.13
RMS 0.009571
$M_{p-\pi+}$

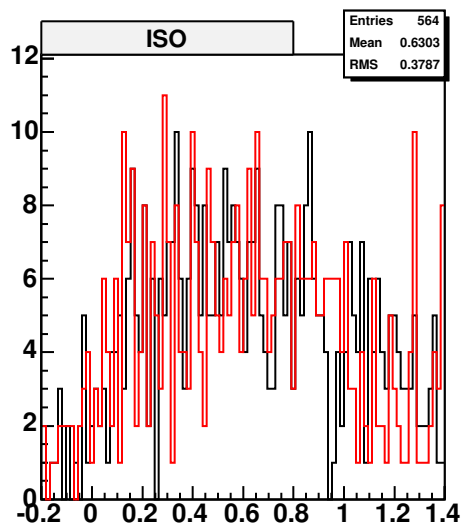
V0 (All)

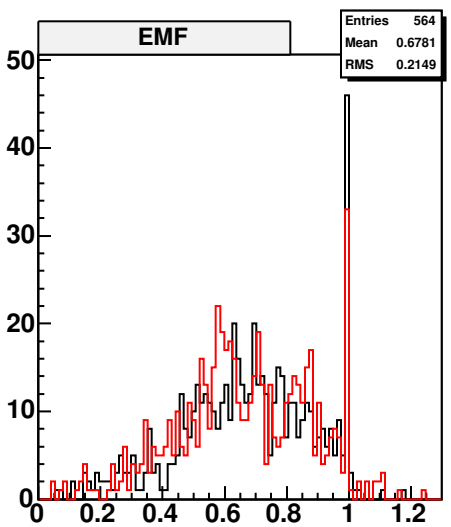


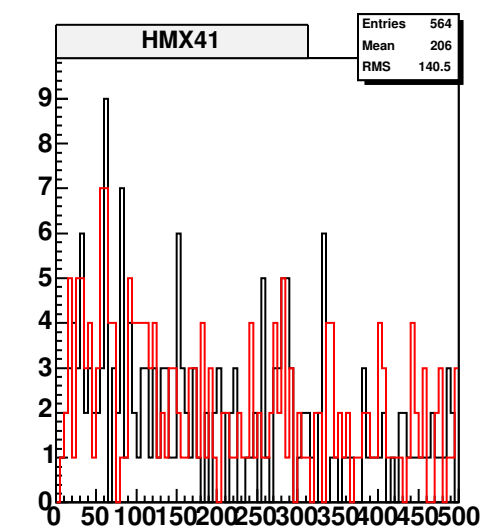


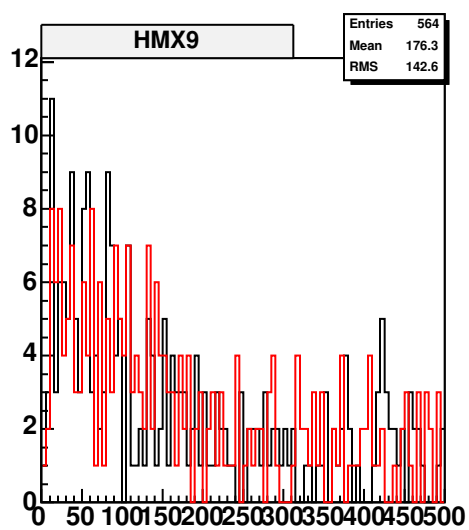


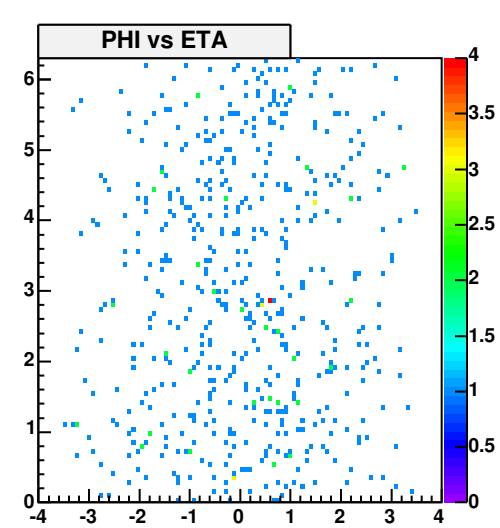




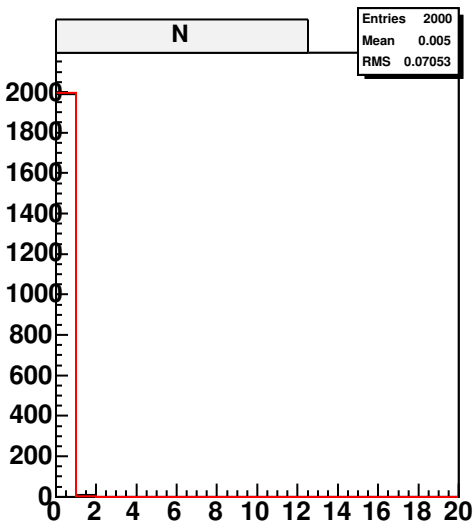


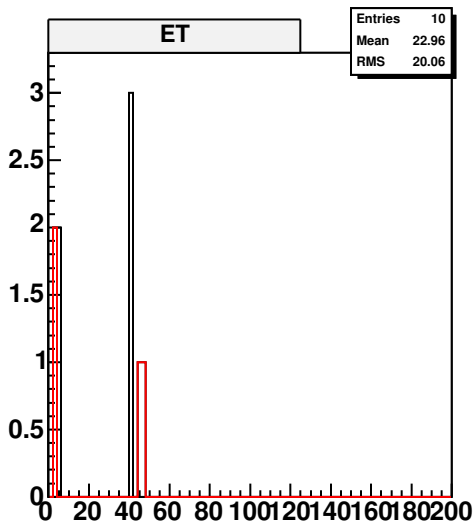


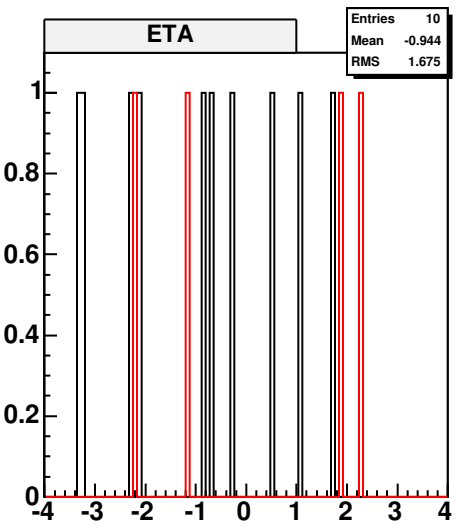


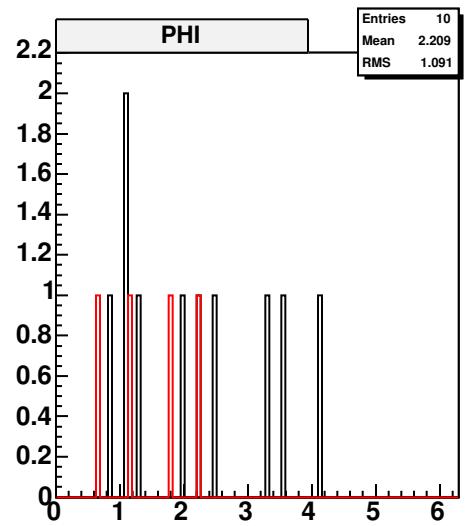


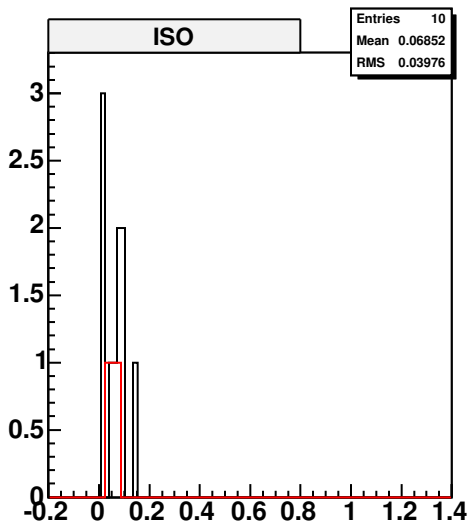
Electrons (SCONE All)

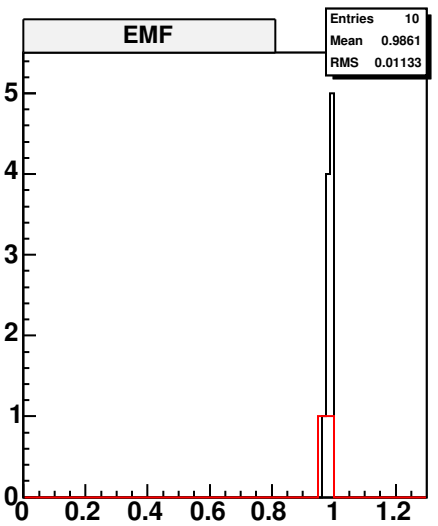


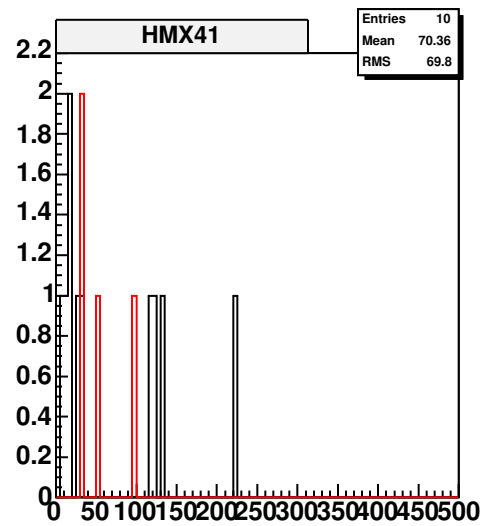


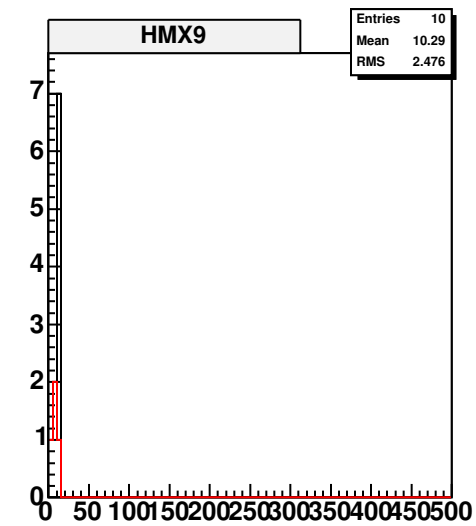


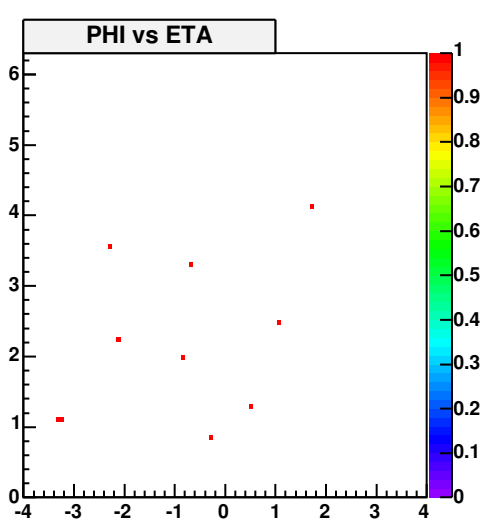




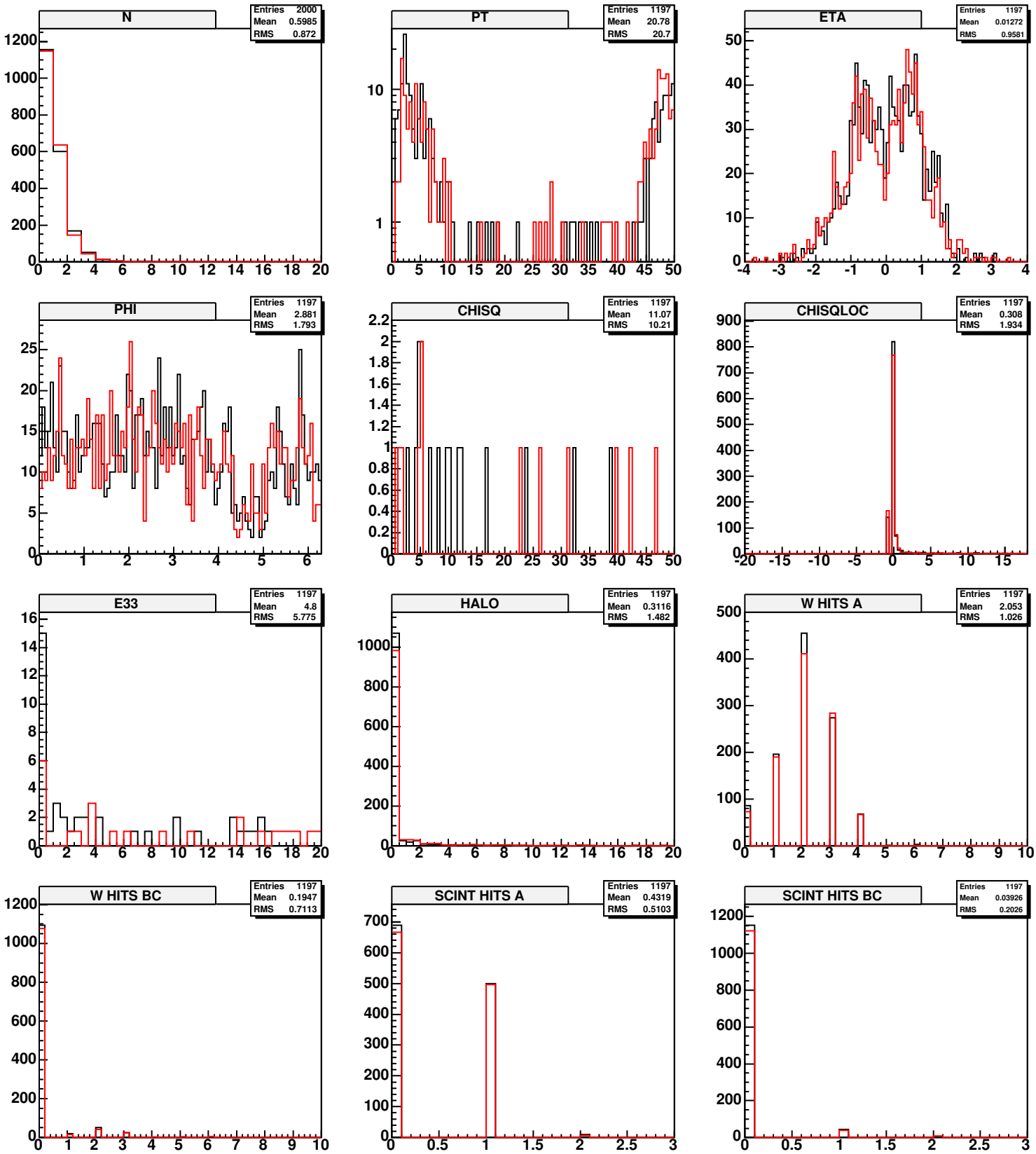




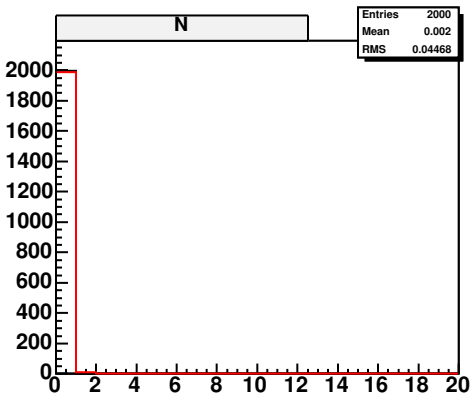


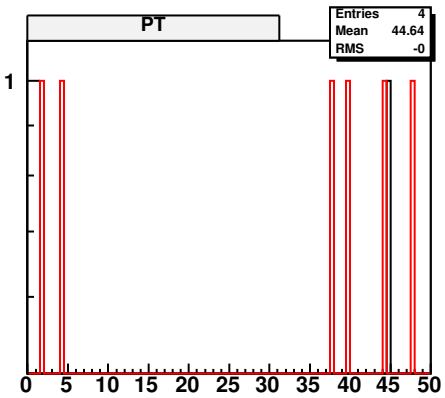


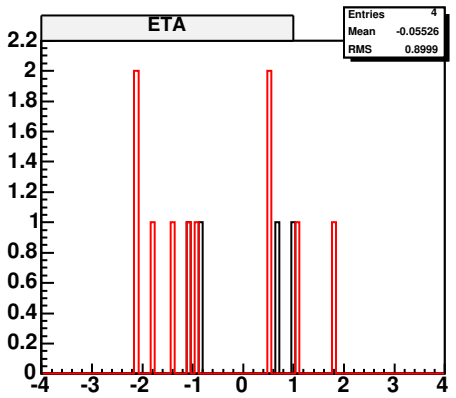
Electrons (SCONE Tight)

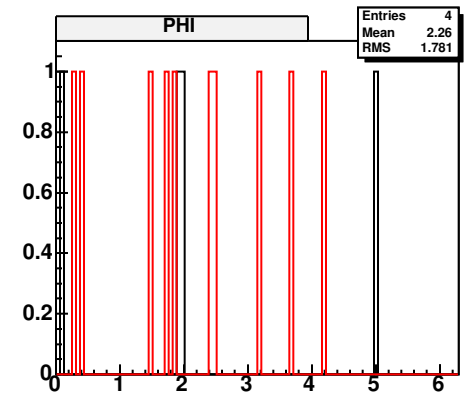

N
Entries 2000
Mean 0.5985
RMS 0.872
PT
Entries 1197
Mean 20.78
RMS 20.7
ETA
Entries 1197
Mean 0.01272
RMS 0.9581
PHI
Entries 1197
Mean 2.881
RMS 1.793
CHISQ
Entries 1197
Mean 11.07
RMS 10.21
CHISQLOC
Entries 1197
Mean 0.308
RMS 1.934
E33
Entries 1197
Mean 4.8
RMS 5.775
HALO
Entries 1197
Mean 0.3116
RMS 1.482
W HITS A
Entries 1197
Mean 2.053
RMS 1.026
W HITS BC
Entries 1197
Mean 0.1947
RMS 0.7113
SCINT HITS A
Entries 1197
Mean 0.4319
RMS 0.5103
SCINT HITS BC
Entries 1197
Mean 0.03926
RMS 0.2026

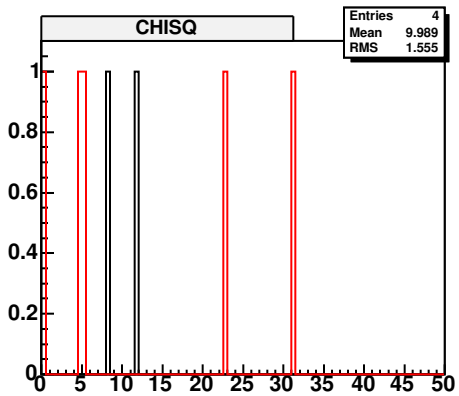
Muons (All)

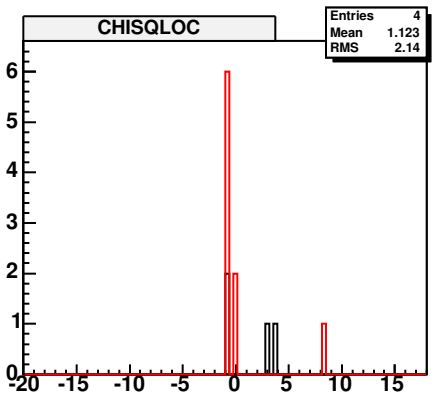


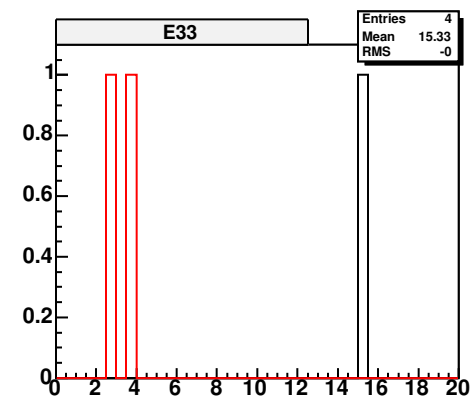


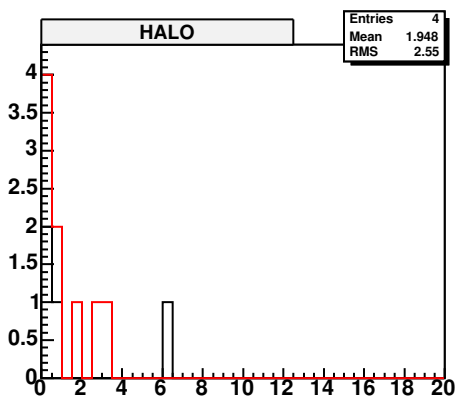


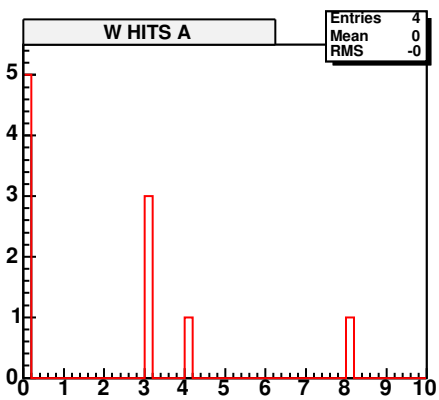


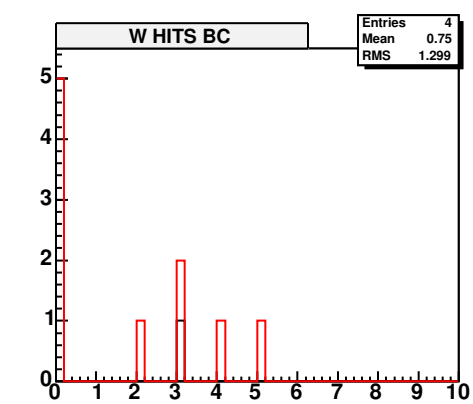


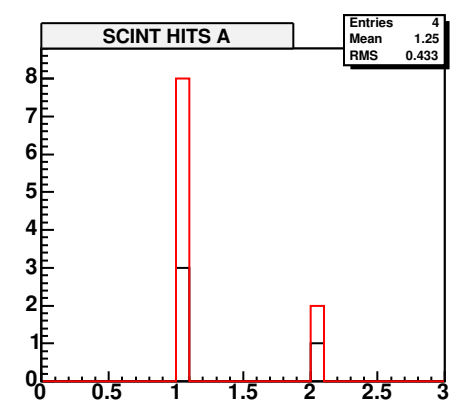


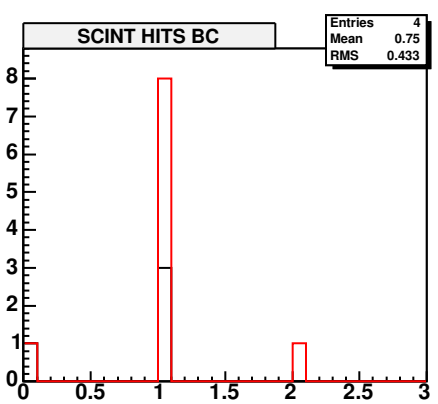




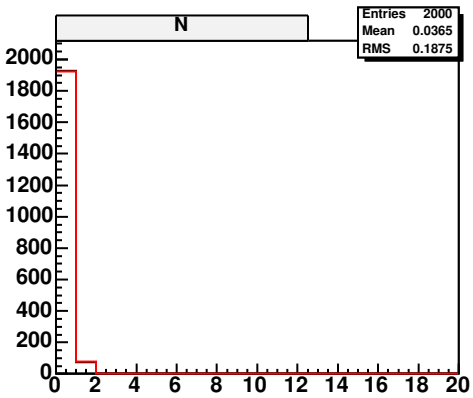


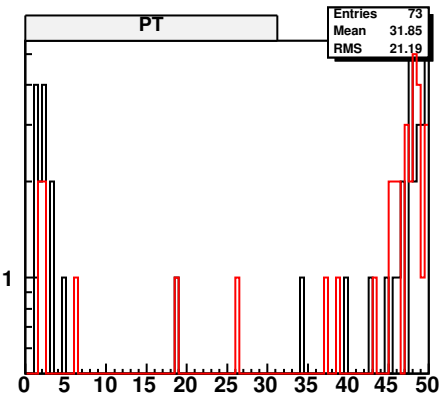


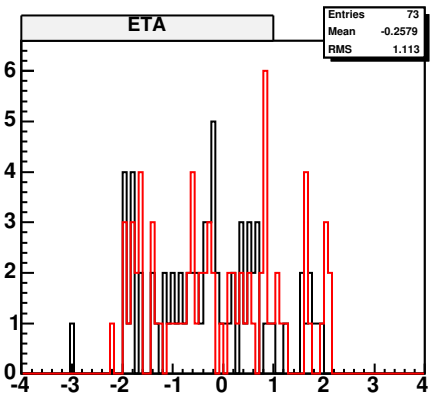


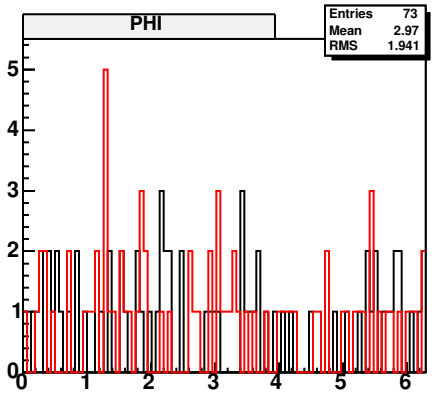


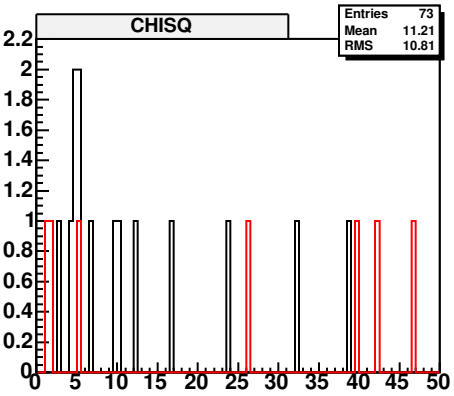
Muons (Matched)

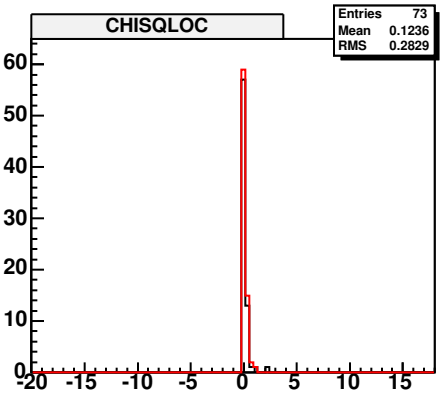

N
Entries 2000
Mean 0.0365
RMS 0.1875

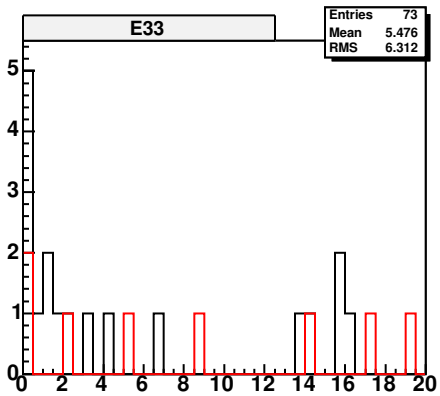

PT
Entries 73
Mean 31.85
RMS 21.19

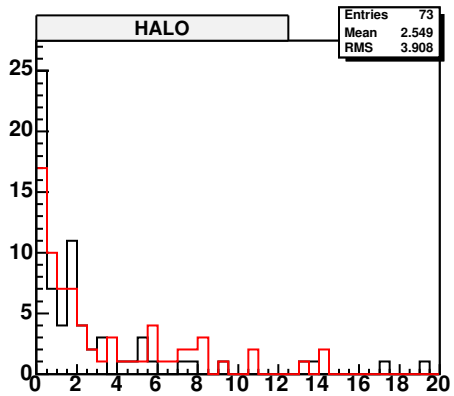

ETA
Entries 73
Mean -0.2579
RMS 1.113

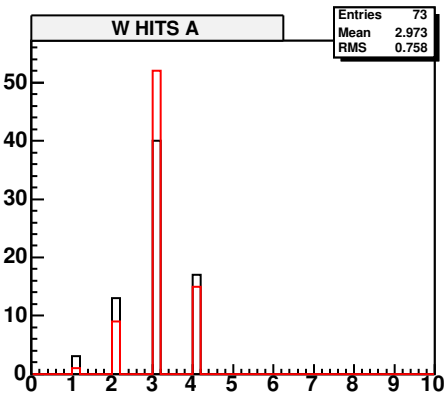

PHI
Entries 73
Mean 2.97
RMS 1.941

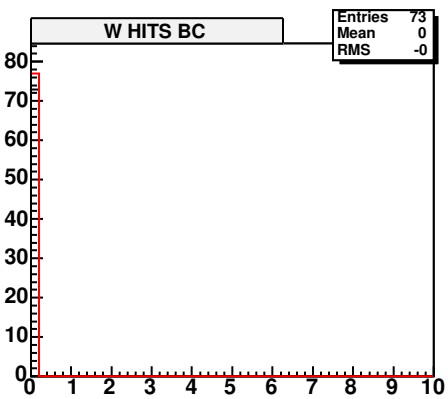

CHISQ
Entries 73
Mean 11.21
RMS 10.81

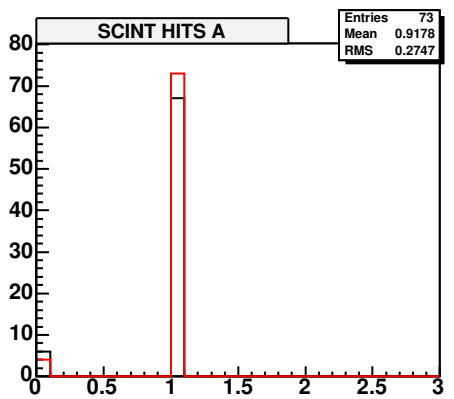

CHISQLOC
Entries 73
Mean 0.1236
RMS 0.2829

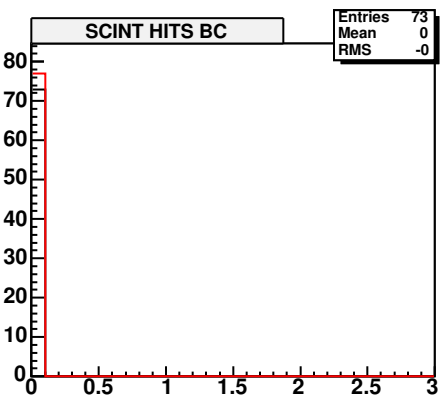

E33
Entries 73
Mean 5.476
RMS 6.312


HALO
Entries 73
Mean 2.549
RMS 3.908

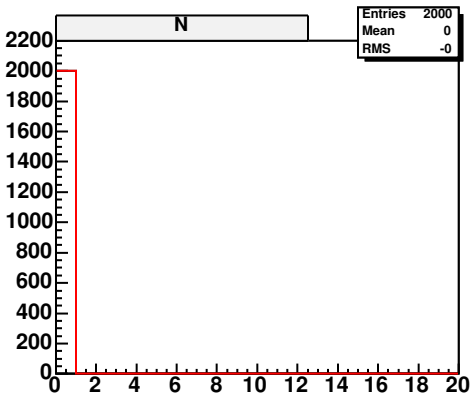

W HITS A
Entries 73
Mean 2.973
RMS 0.758

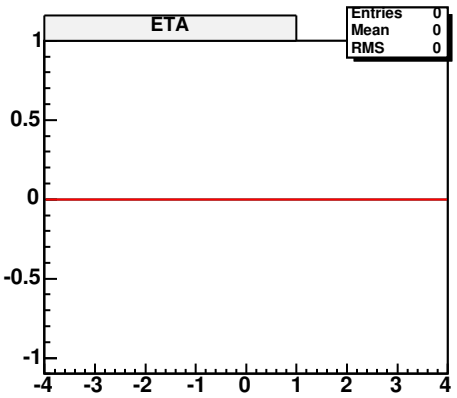

W HITS BC
Entries 73
Mean 0
RMS -0

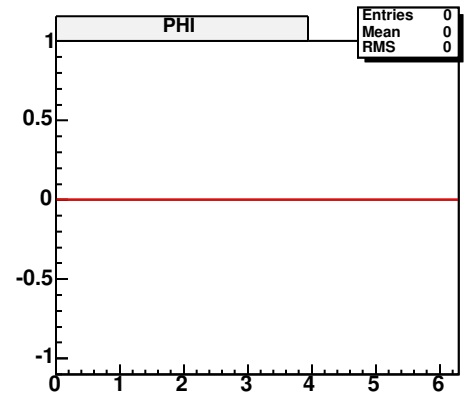

SCINT HITS A
Entries 73
Mean 0.9178
RMS 0.2747

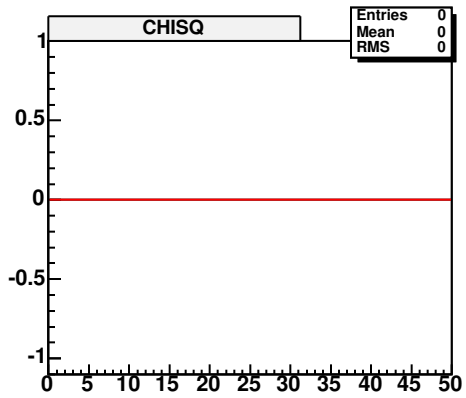

SCINT HITS BC
Entries 73
Mean 0
RMS -0

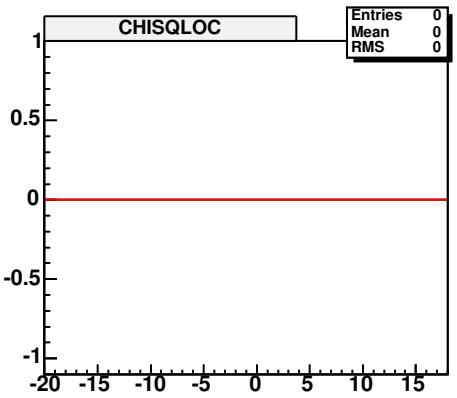
Muons (Astub)

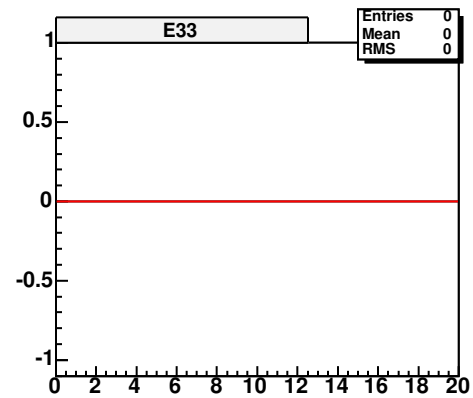


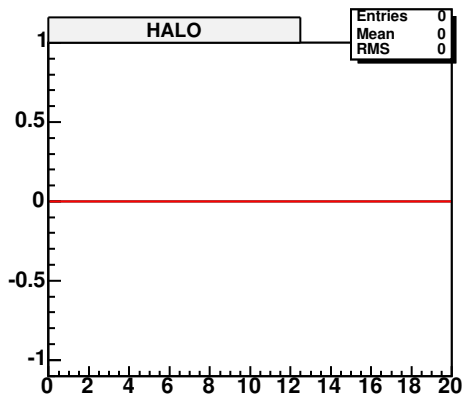


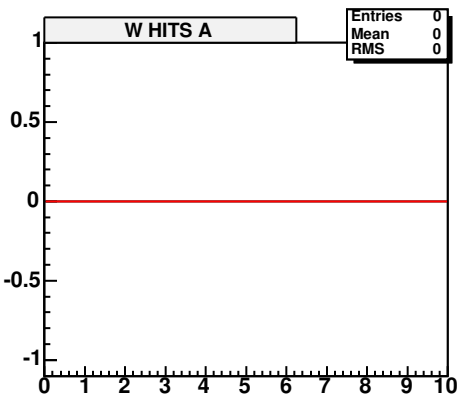


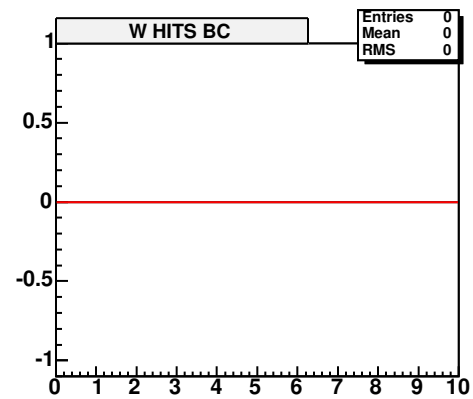


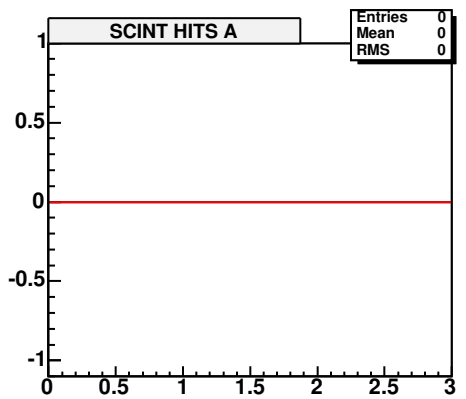


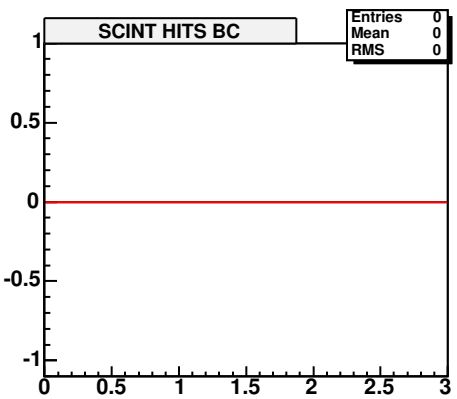




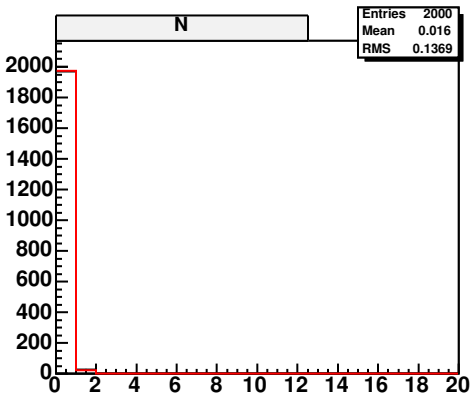


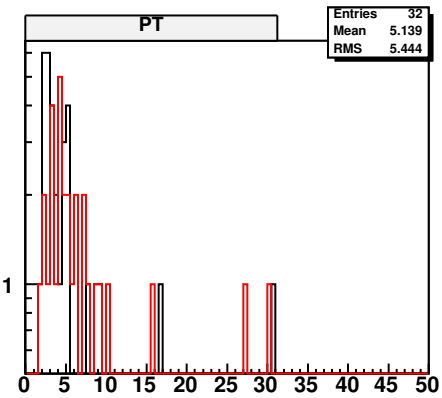


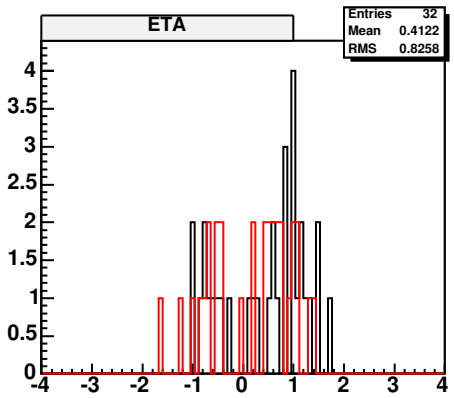


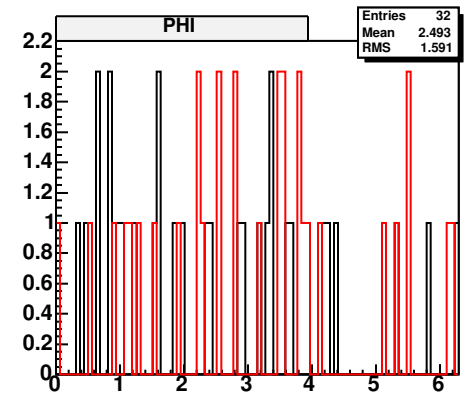


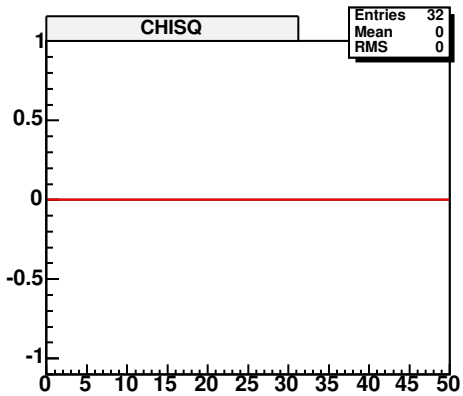
Muons (BCstub)

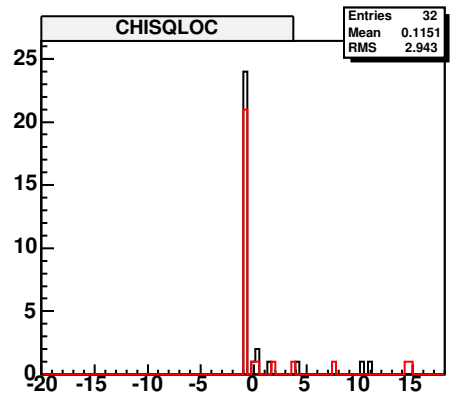


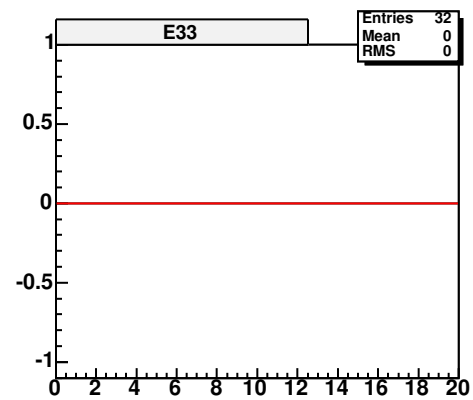


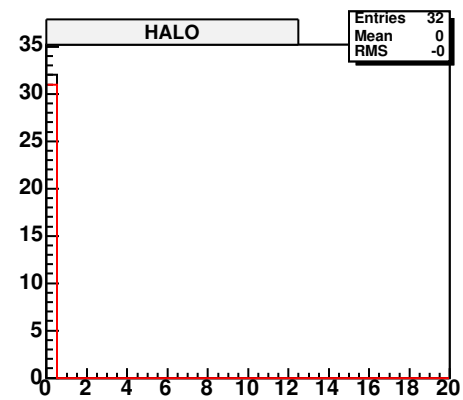


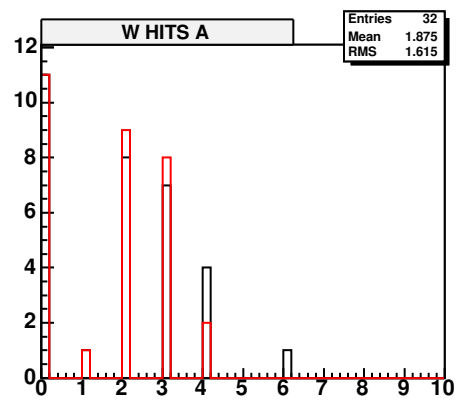


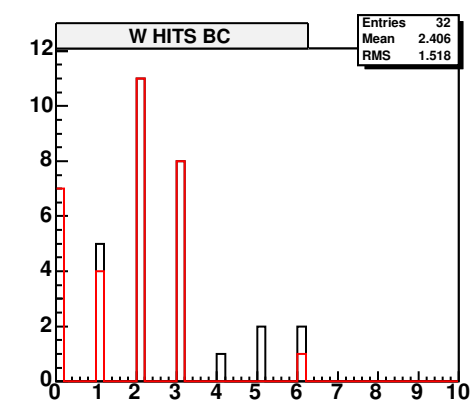


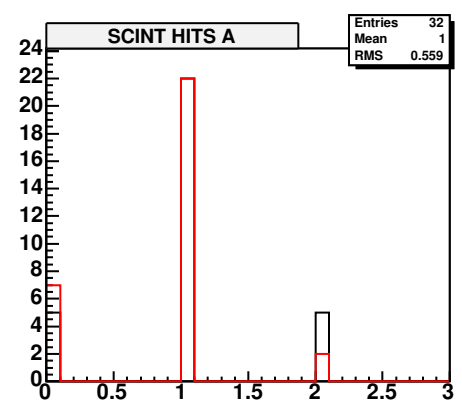


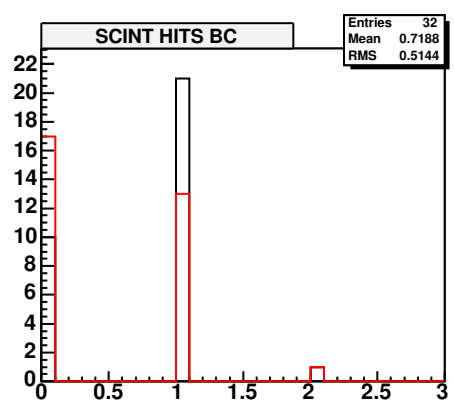




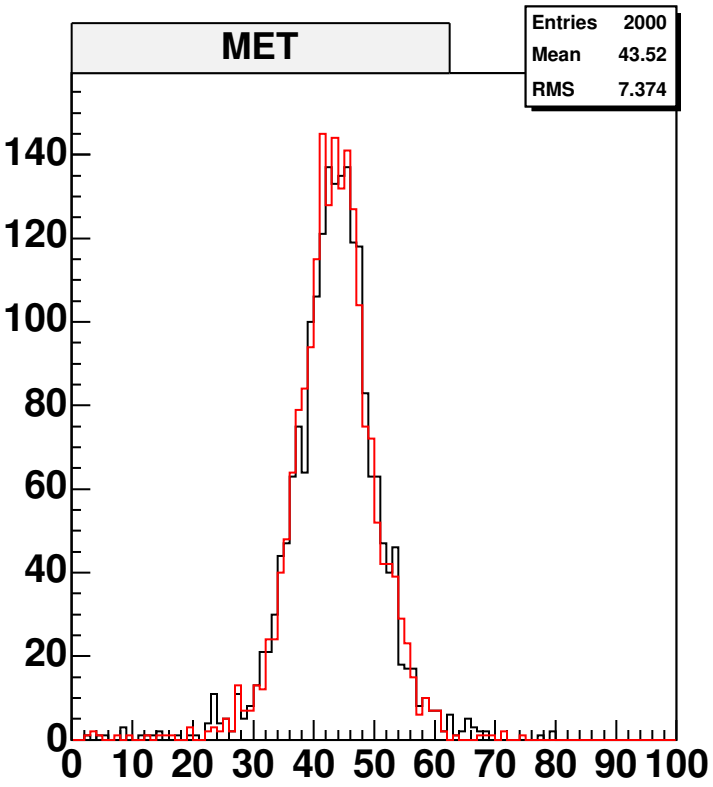


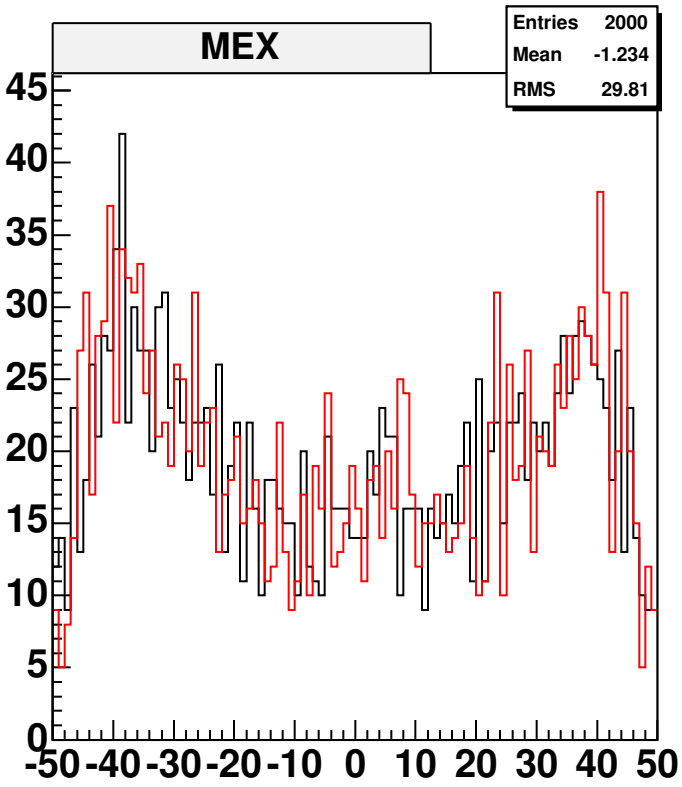


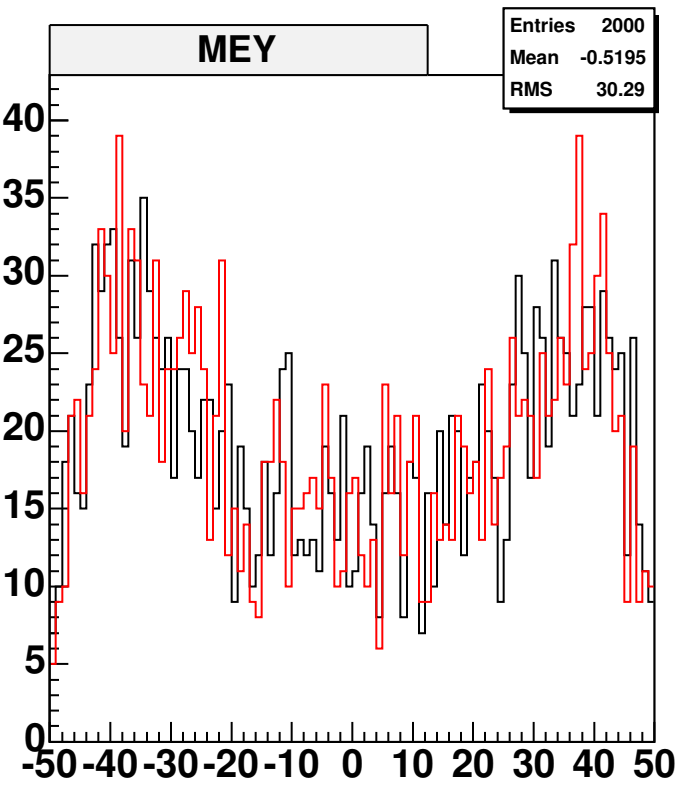




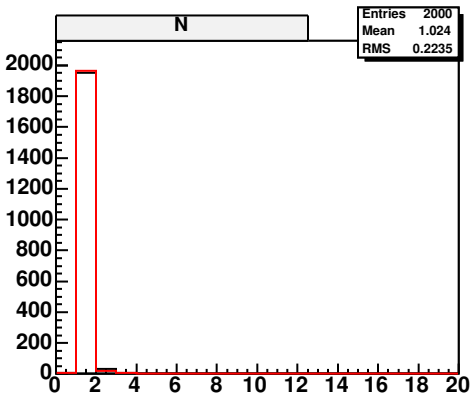
Muons (Unmatched)

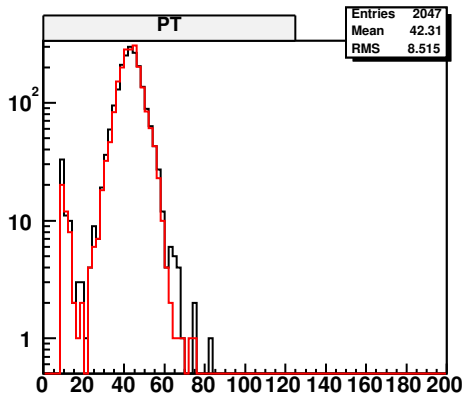

MET
Entries 2000
Mean 43.52
RMS 7.374
0 10 20 30 40 50 60 70 80 90 100
0 20 40 60 80 100 120 140

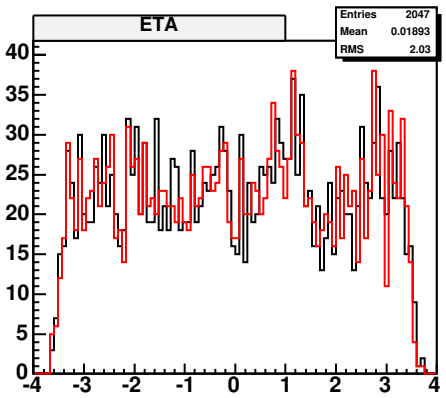

MEX
Entries 2000
Mean -1.234
RMS 29.81
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40 45

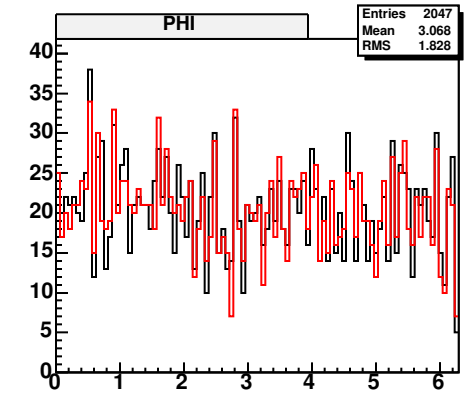

MEY
Entries 2000
Mean -0.5195
RMS 30.29
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40

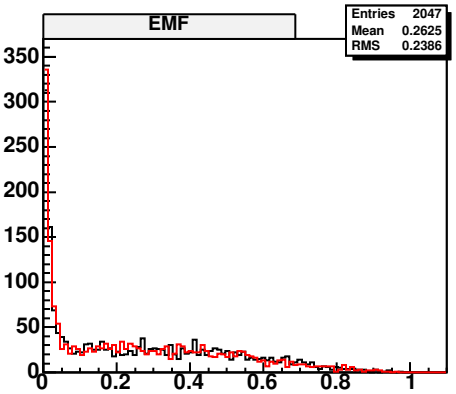
Met (No cuts)

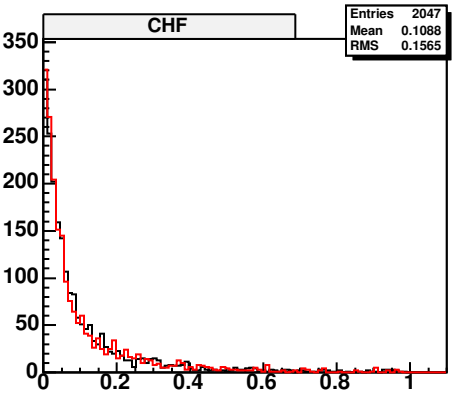


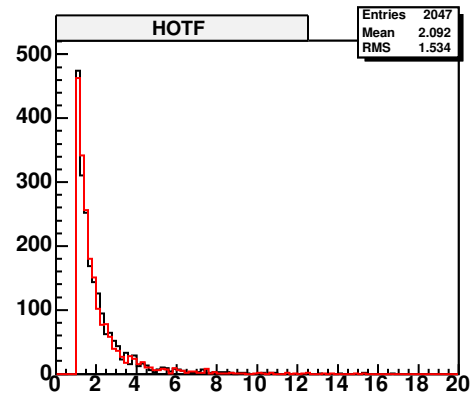


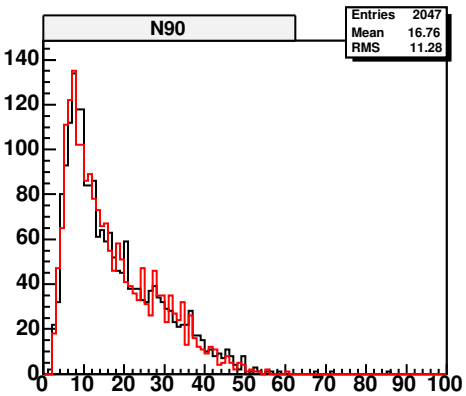


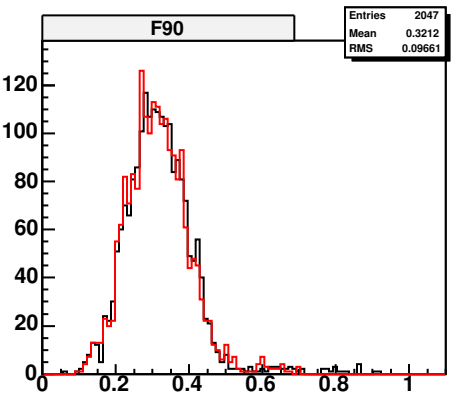


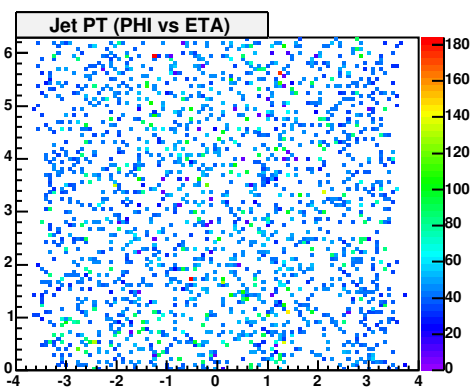




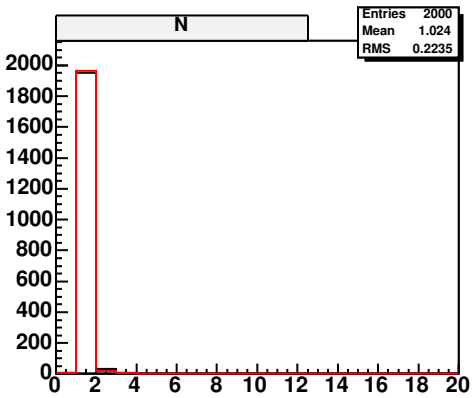


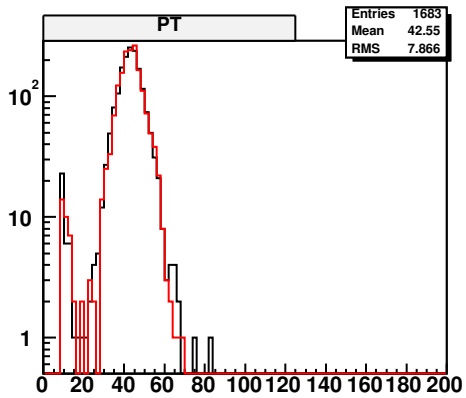


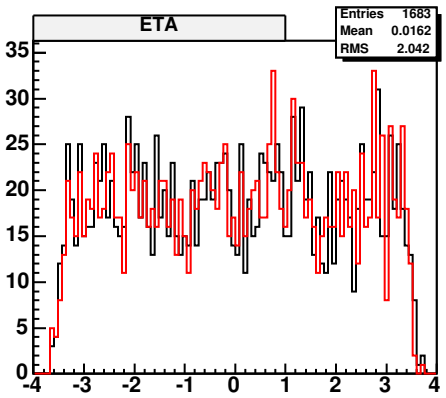


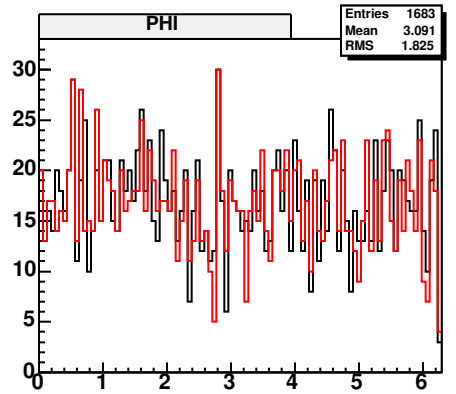


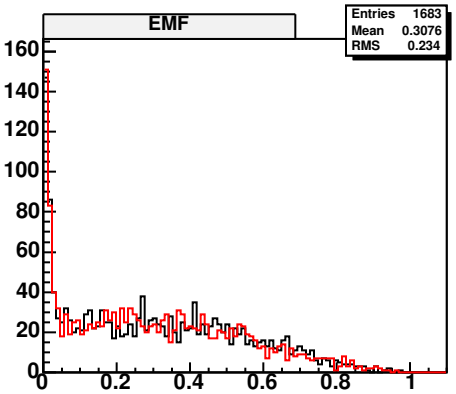
Jets (Cone R 0.7 (no cuts))

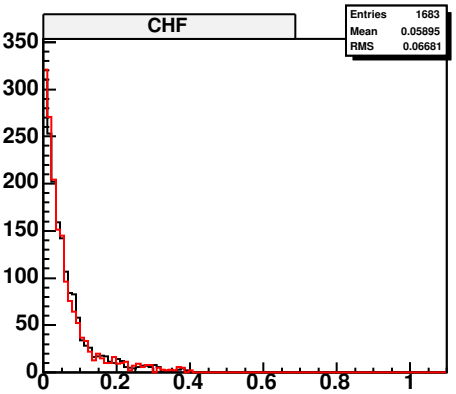


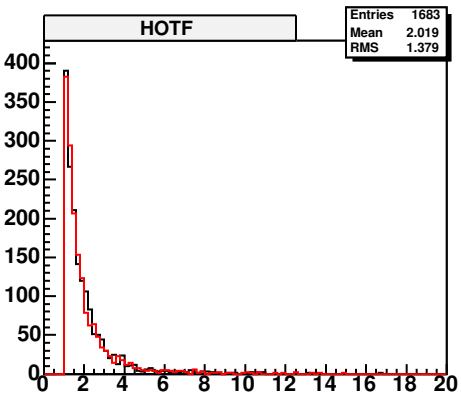


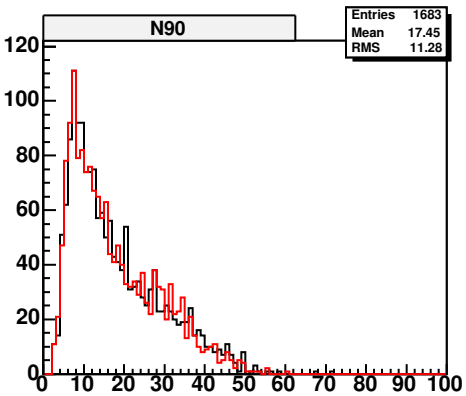


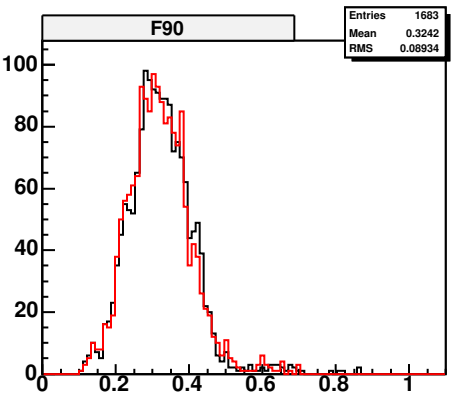


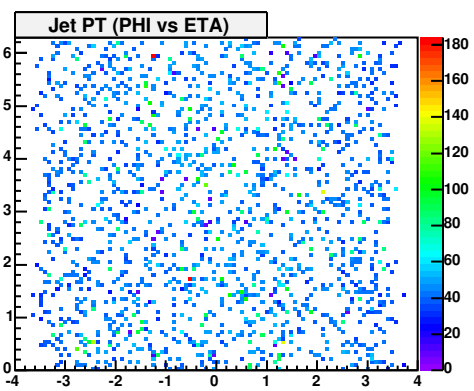




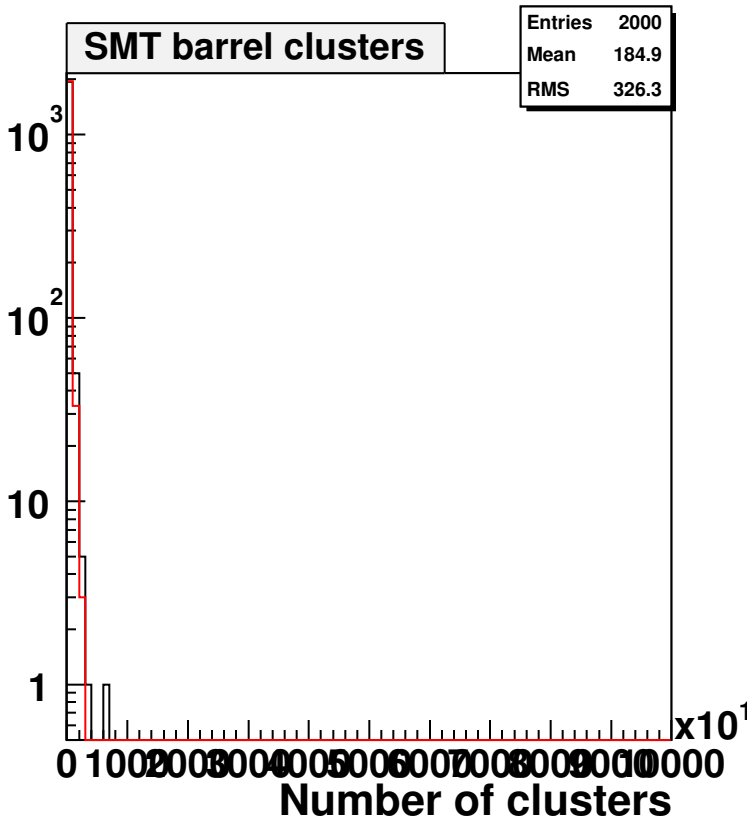


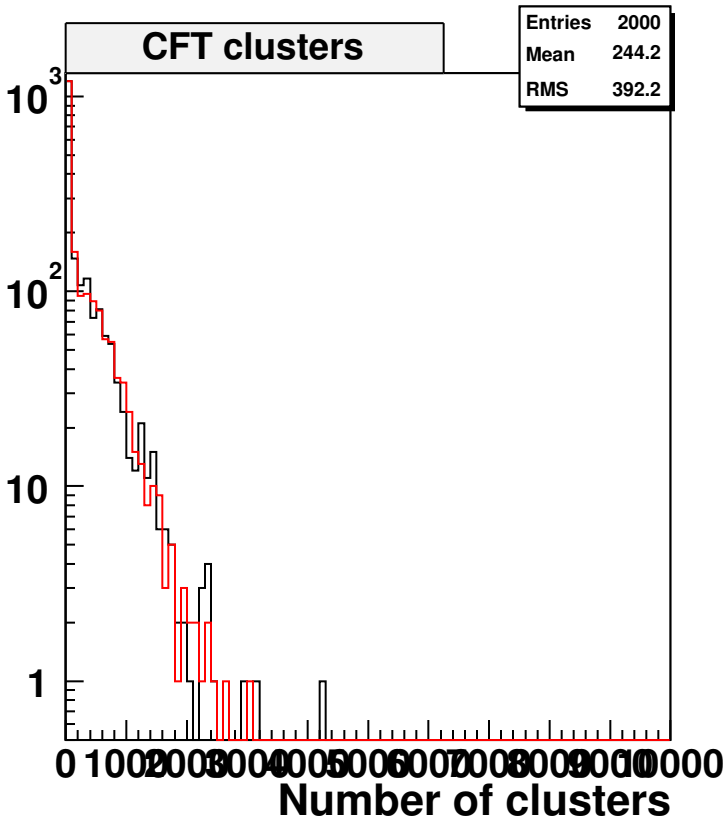


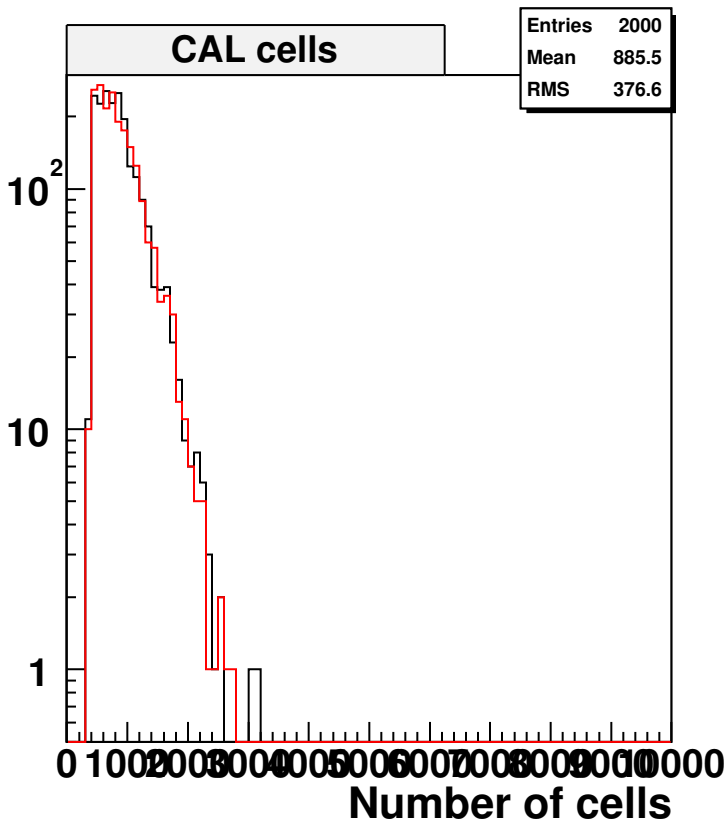


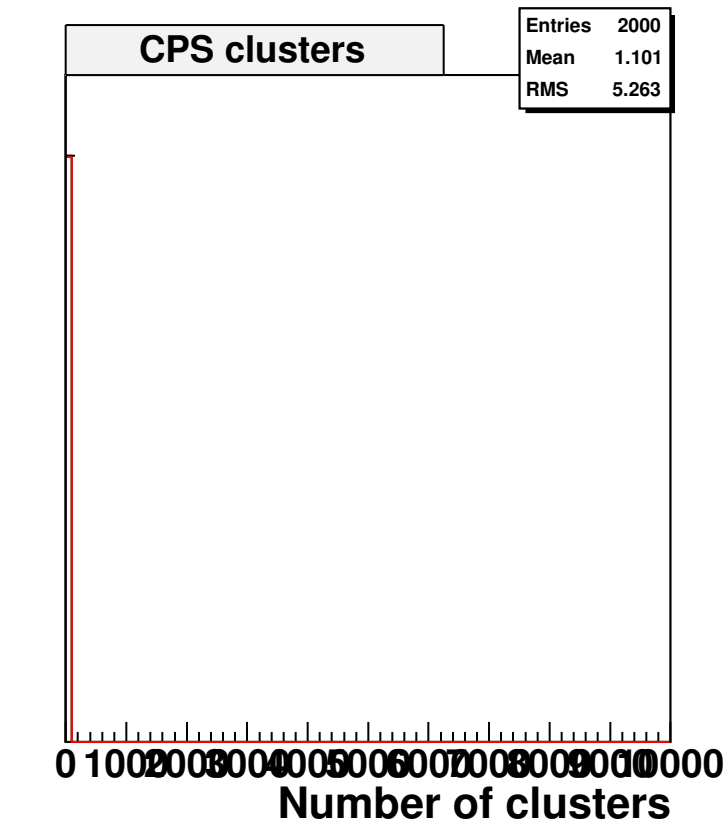


Jets (Cone R 0.7 (standard cuts))

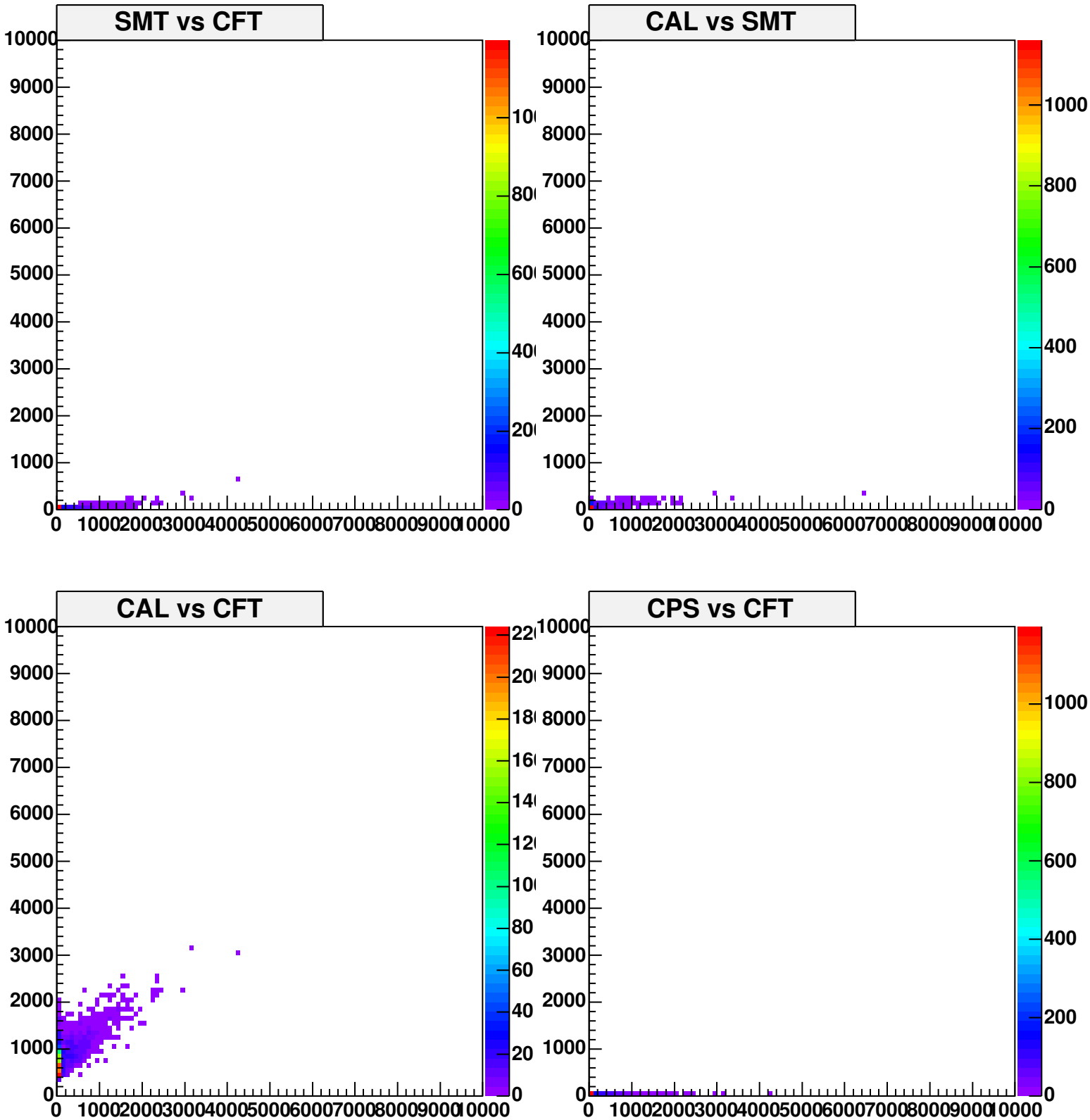




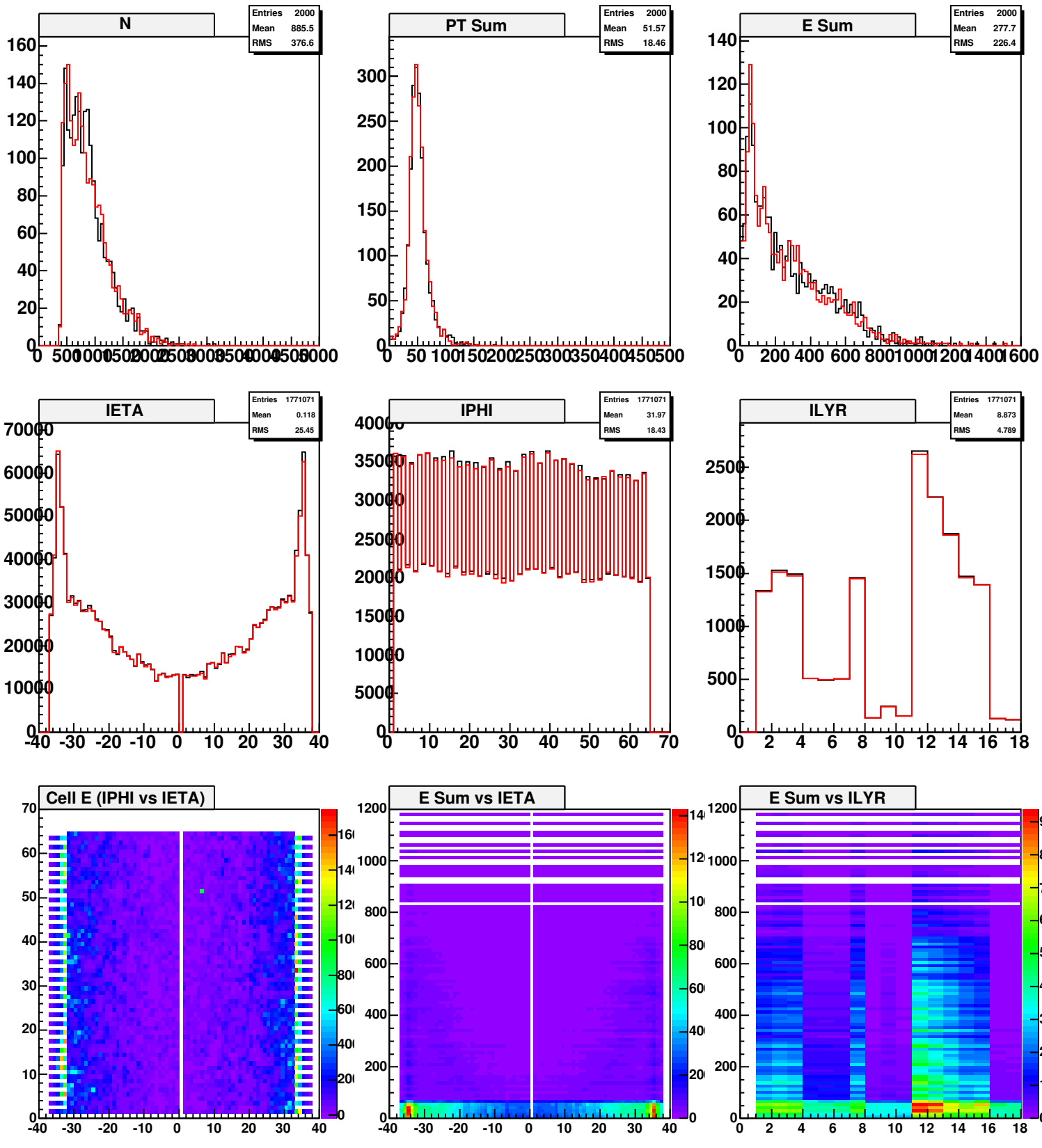




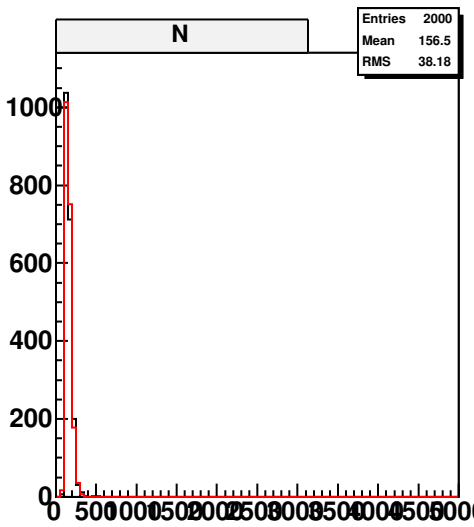
Detector Occupancy (Detector)

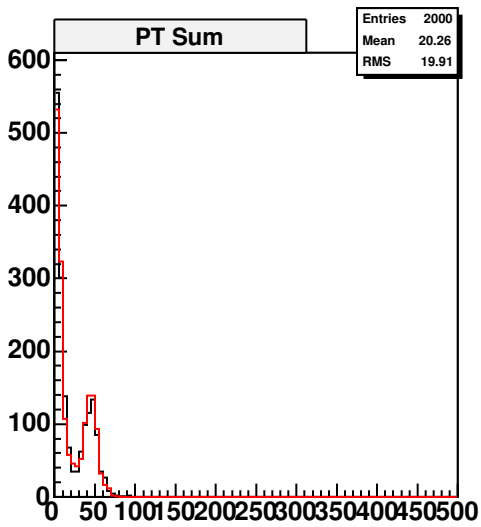


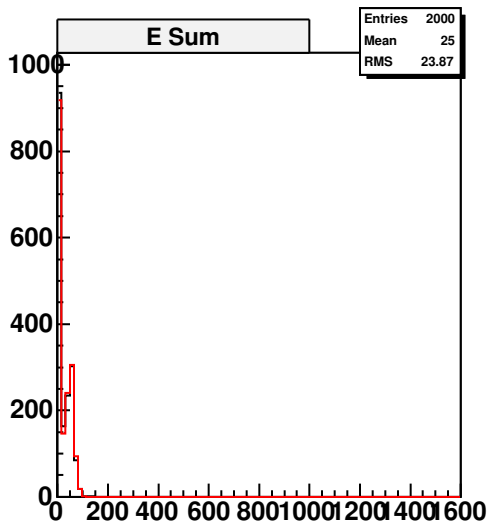
Detector Occupancy (Detector)

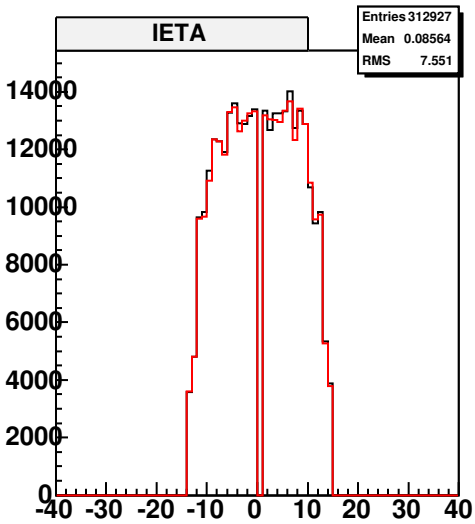


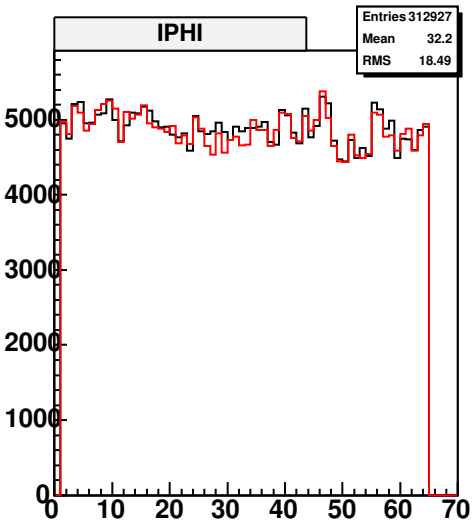
Calorimeter (All cells)

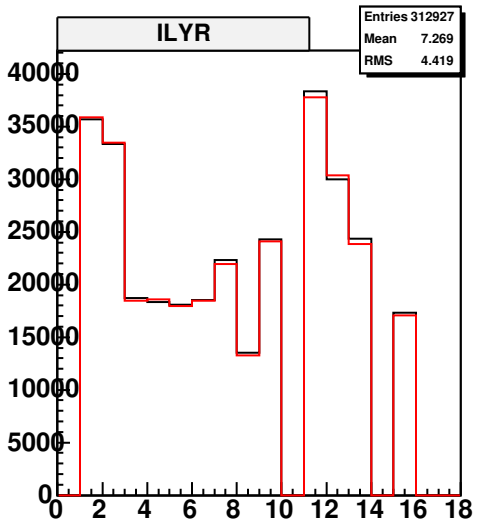


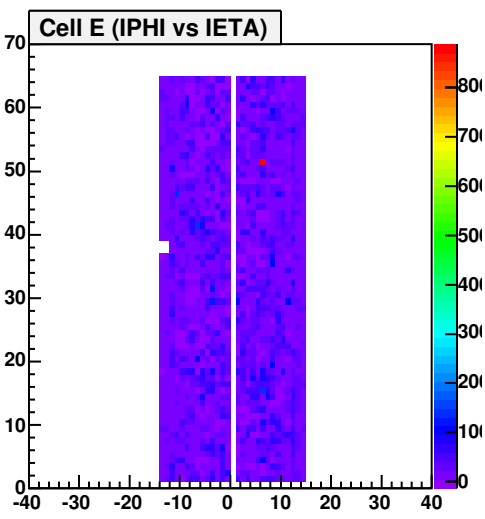


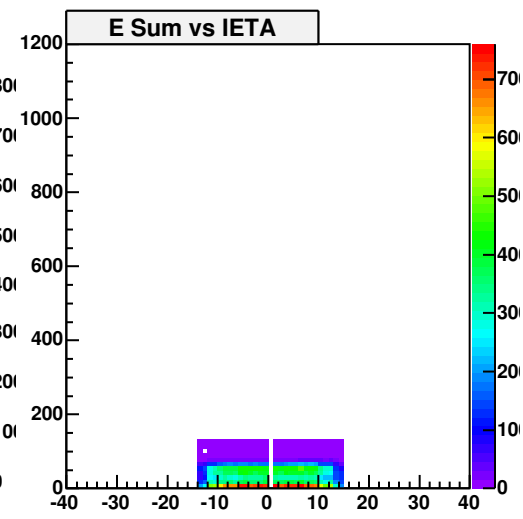


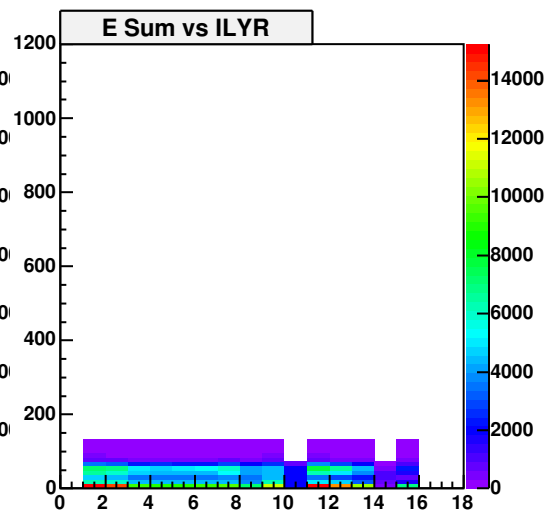




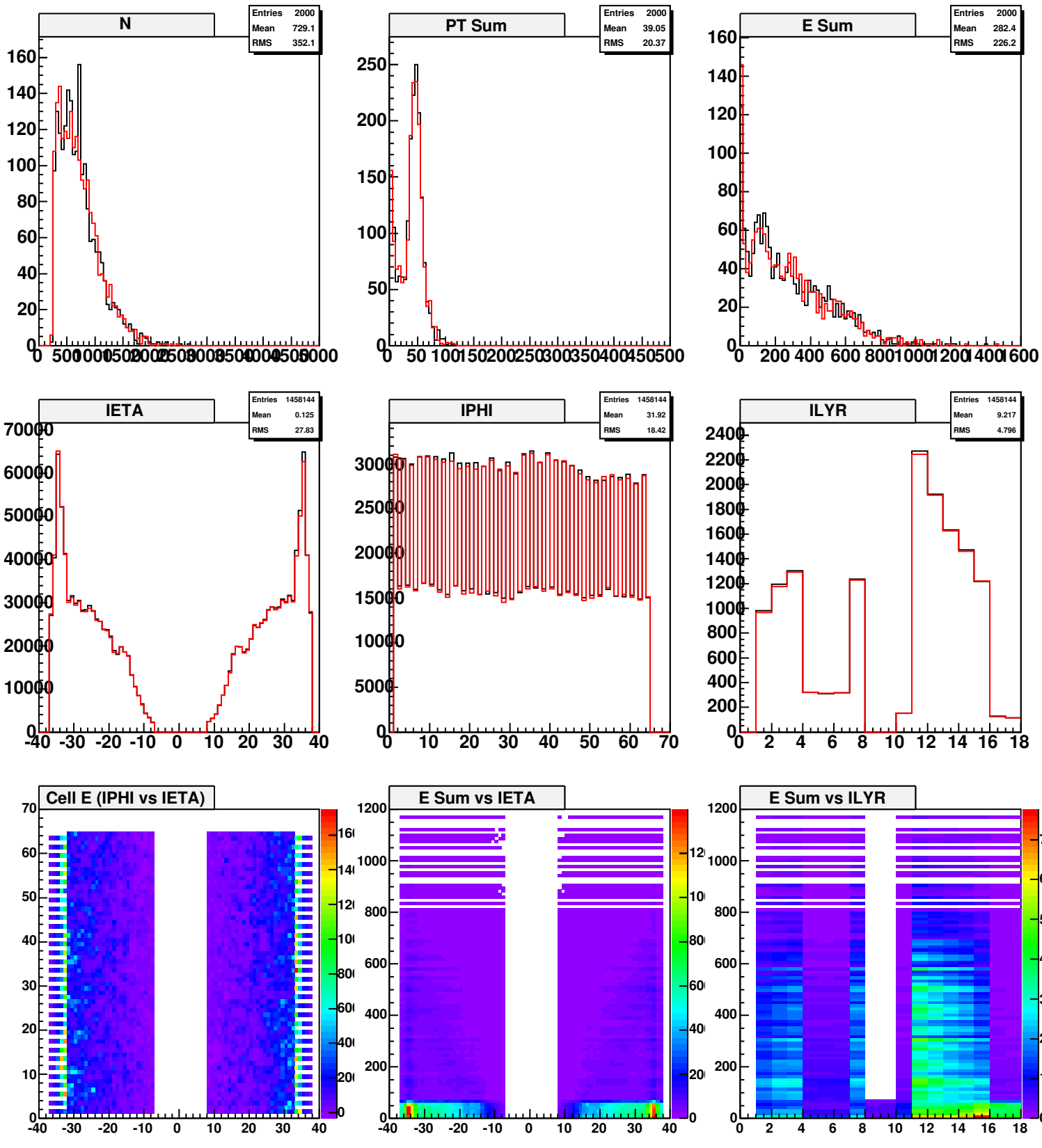




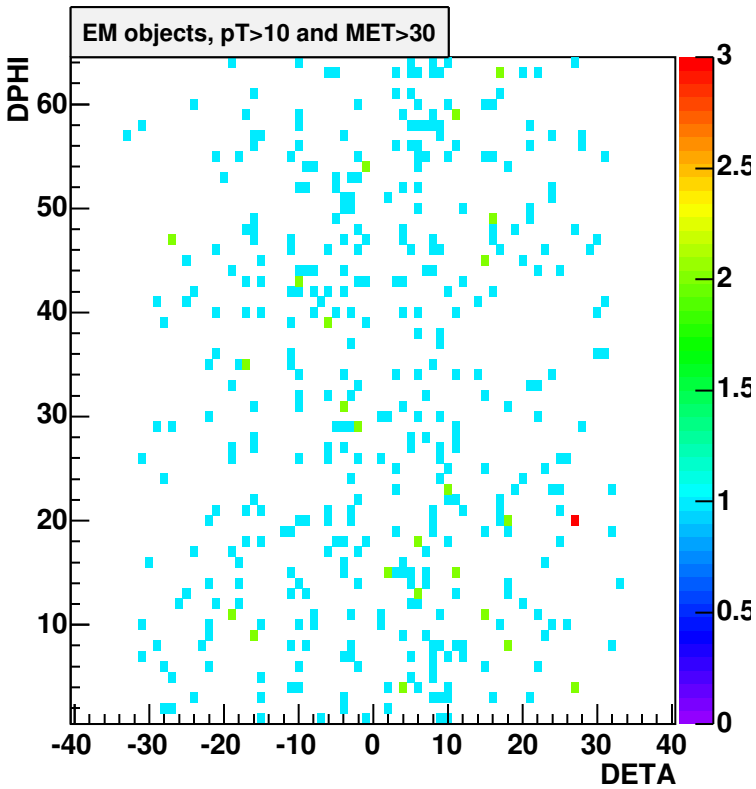


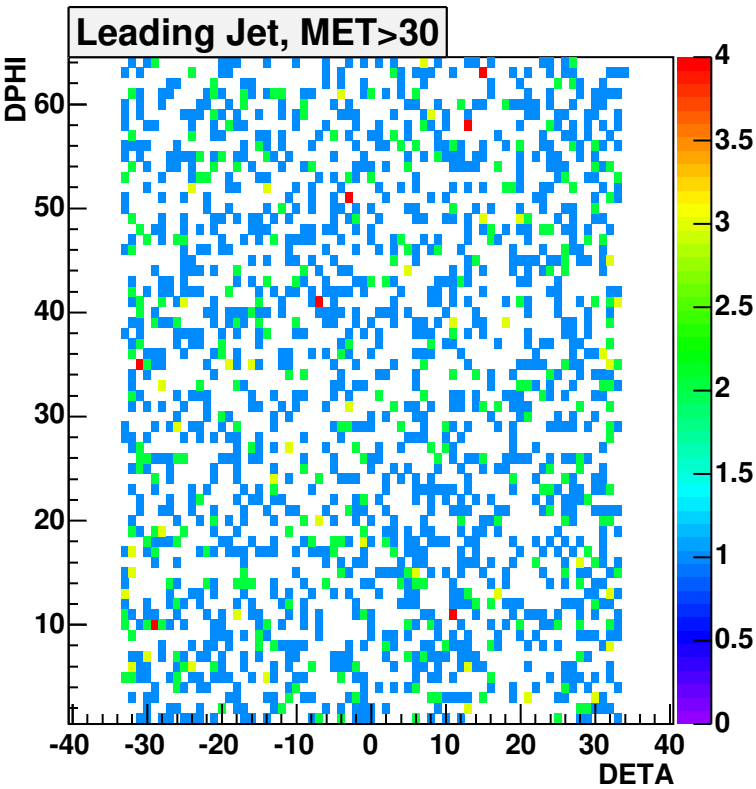


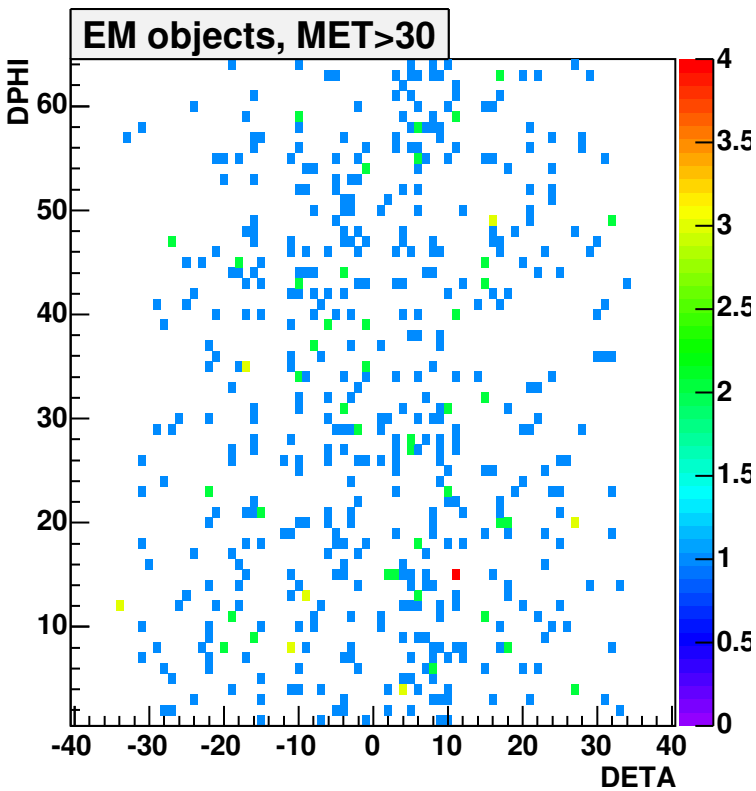
Calorimeter (All CC cells)



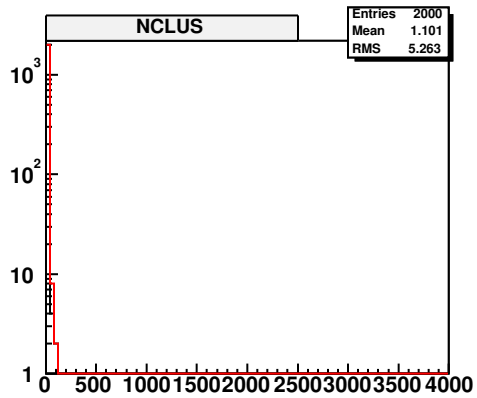
Calorimeter (All EC cells)

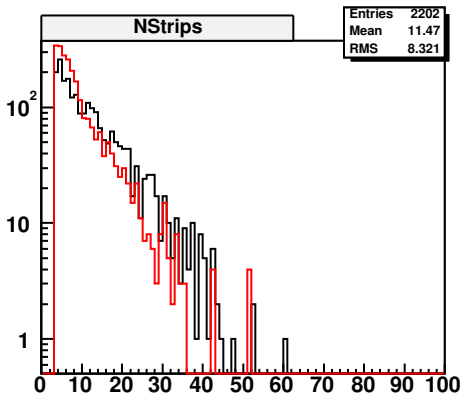


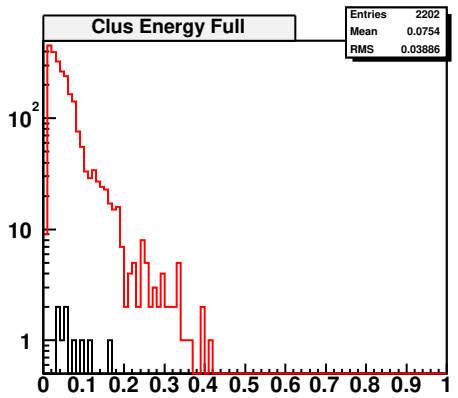


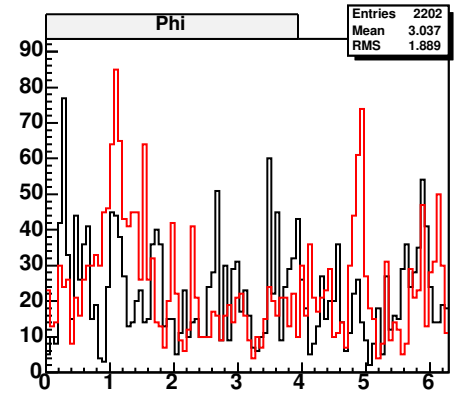


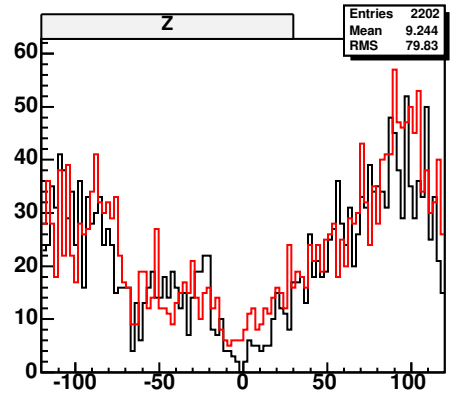
Calorimeter (All cells)

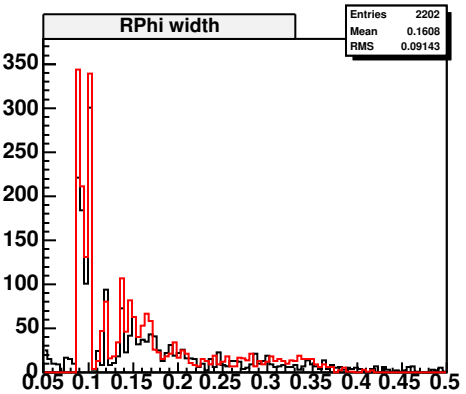


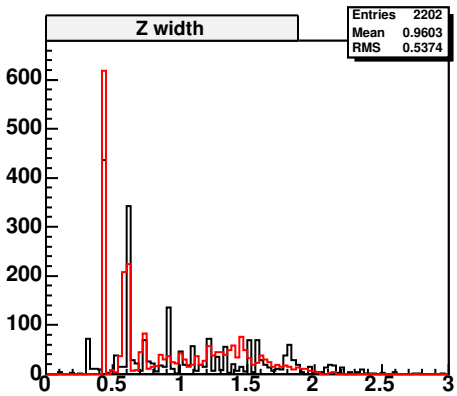


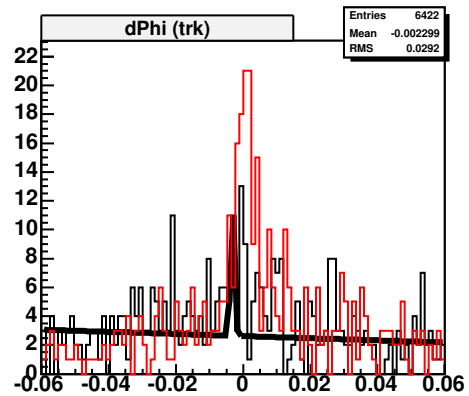


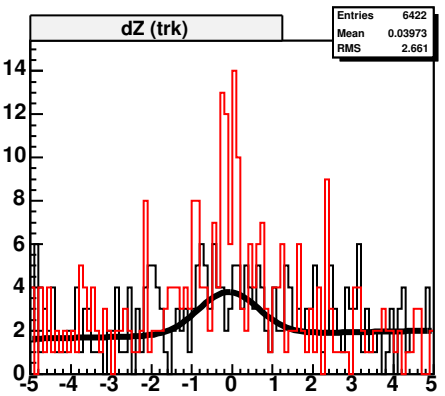


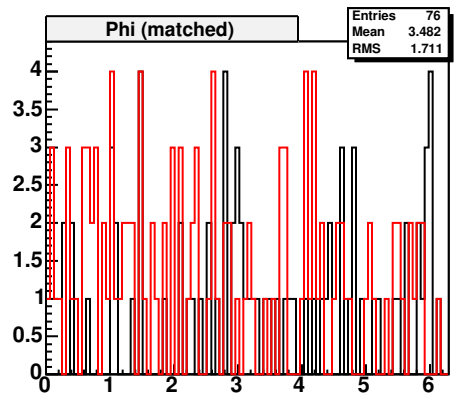


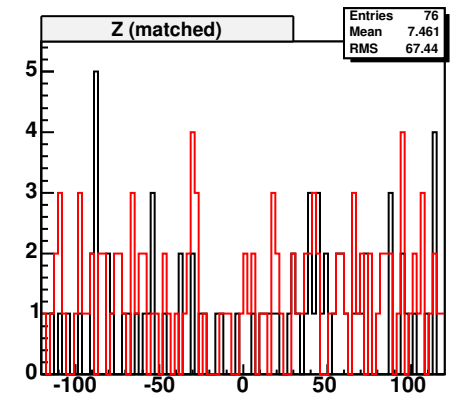




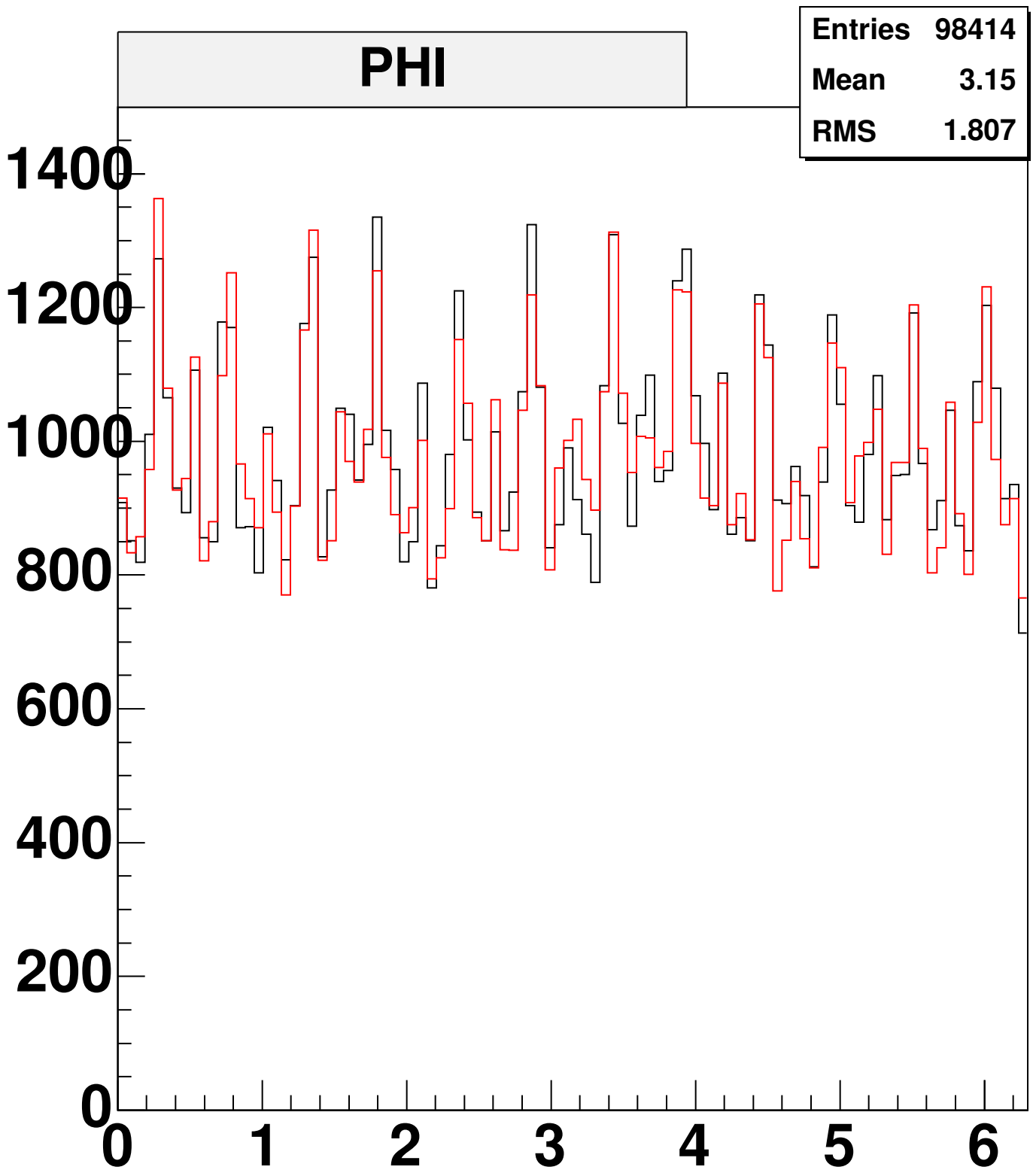


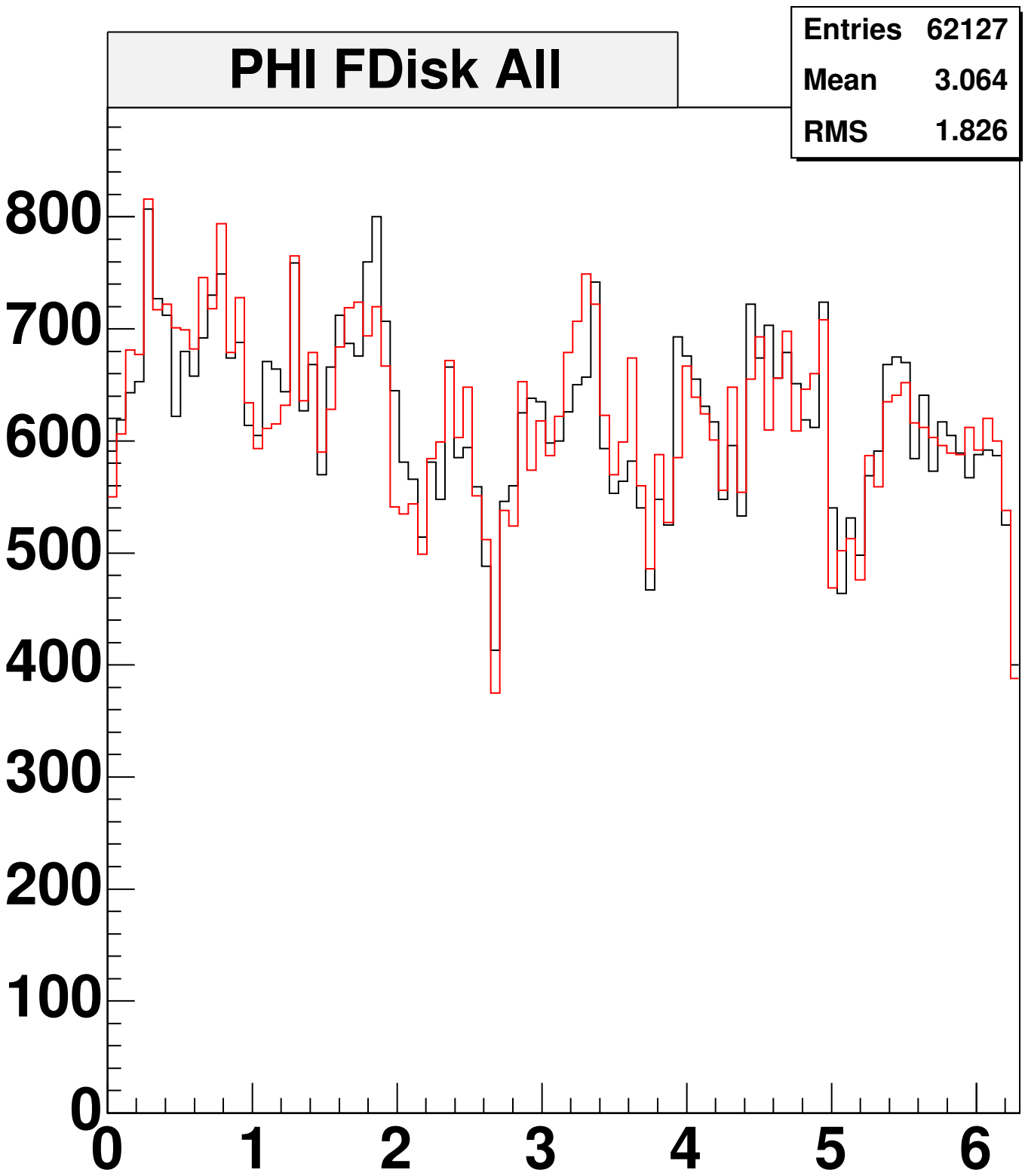


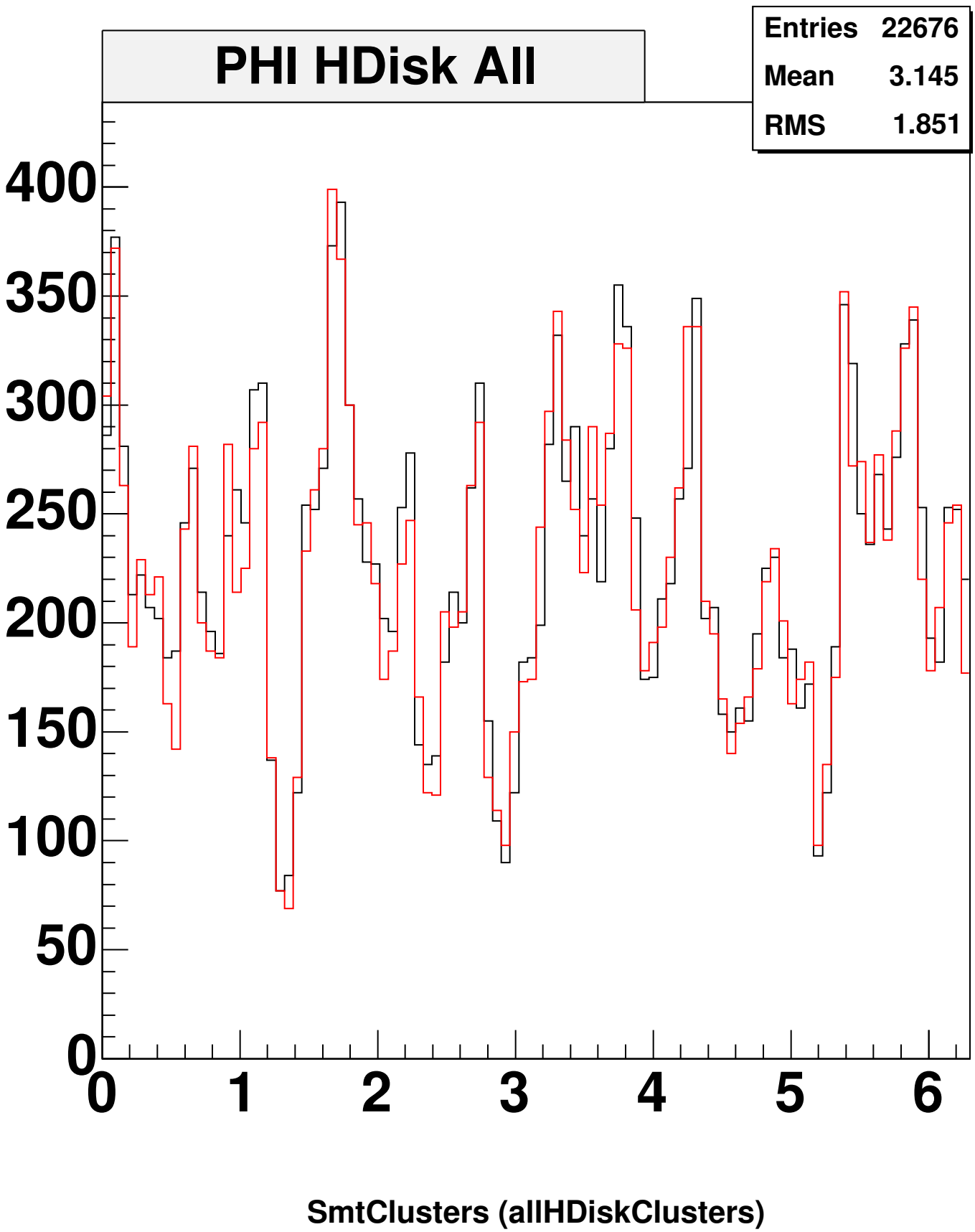


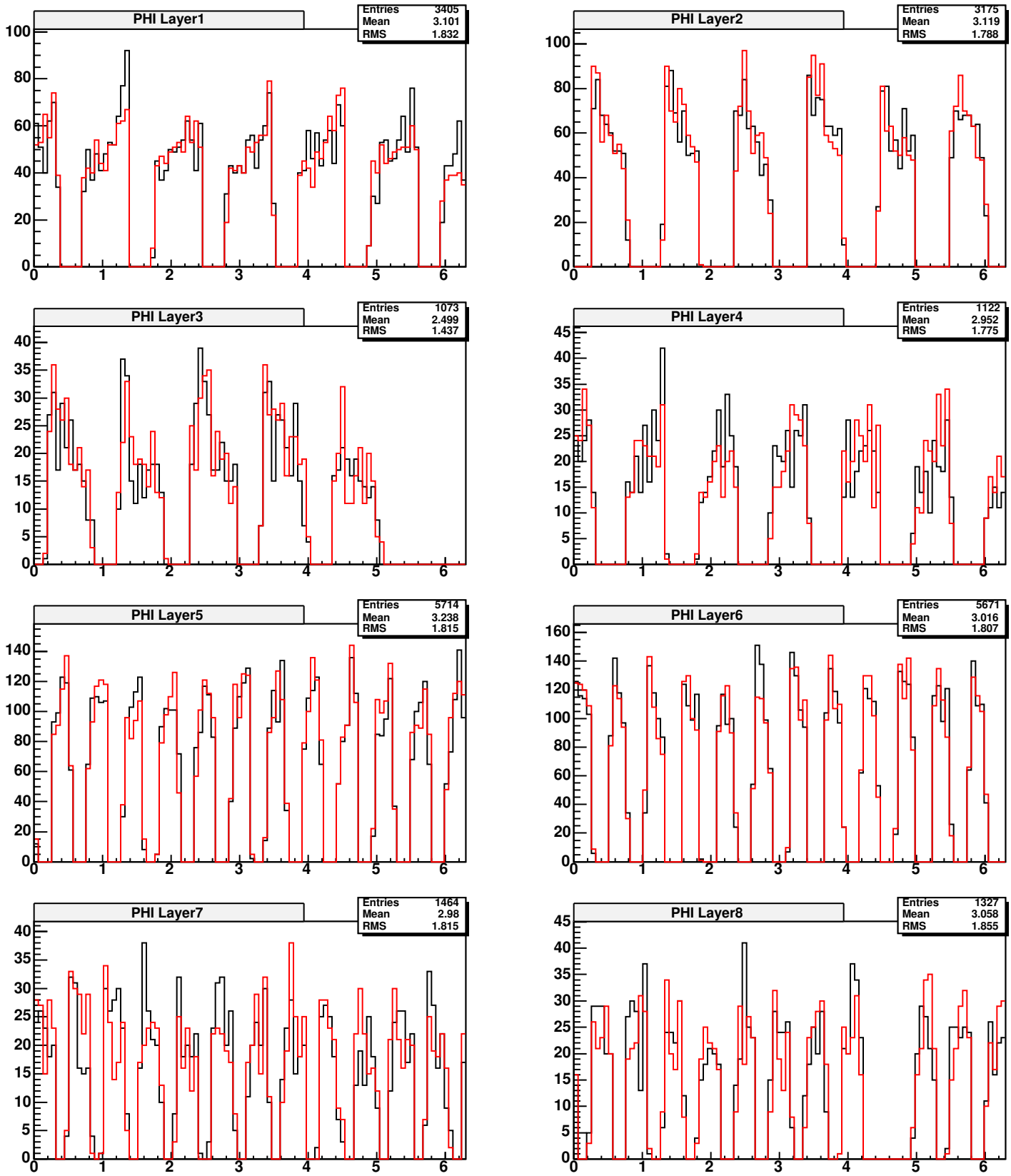


CPS Clusters (All Clusters)

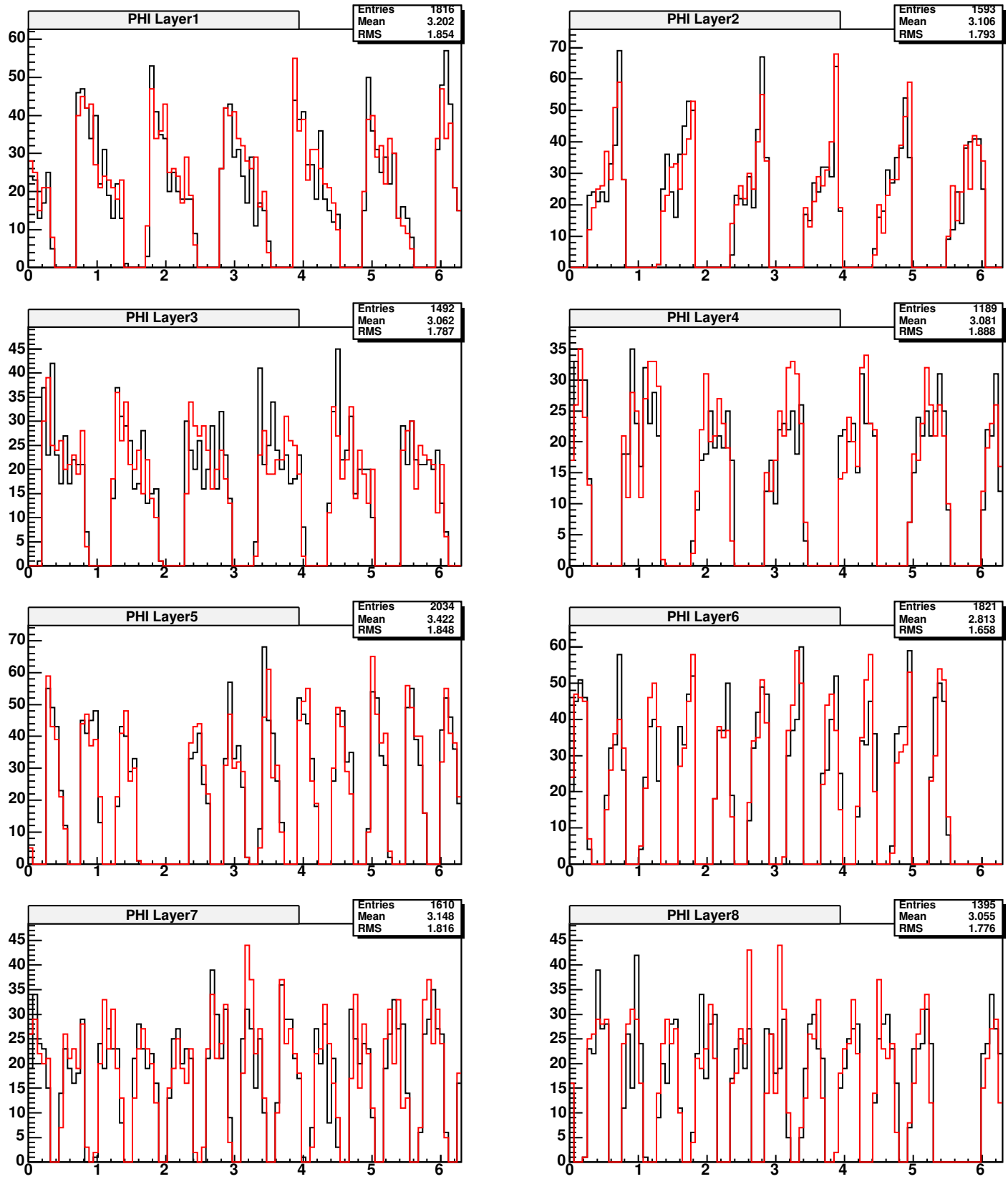

PHI
Entries 98414
Mean 3.15
RMS 1.807
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 62127
Mean 3.064
RMS 1.826
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

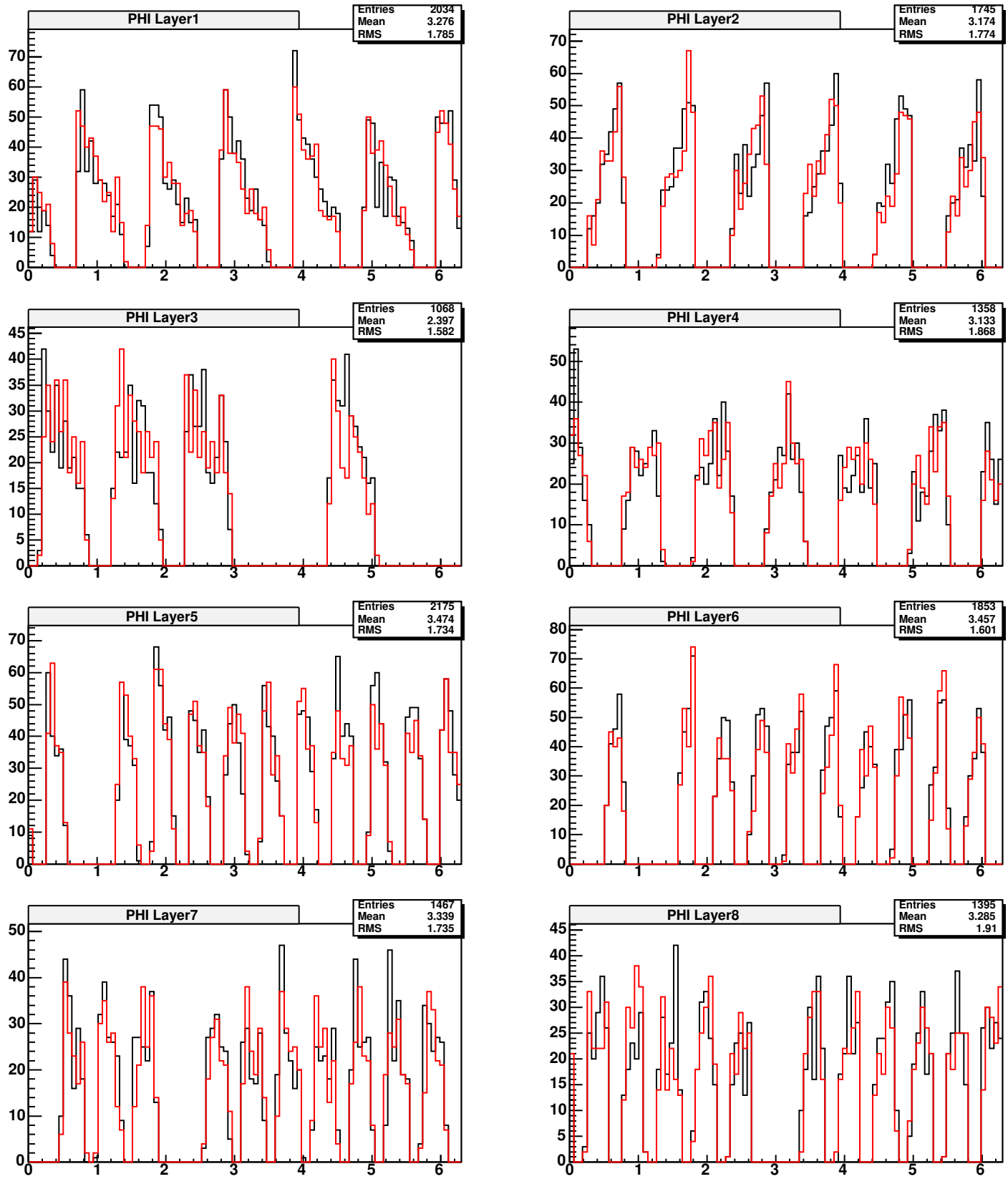

PHI HDisk All
Entries 22676
Mean 3.145
RMS 1.851
400
350
300
250
200
150
100
50
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



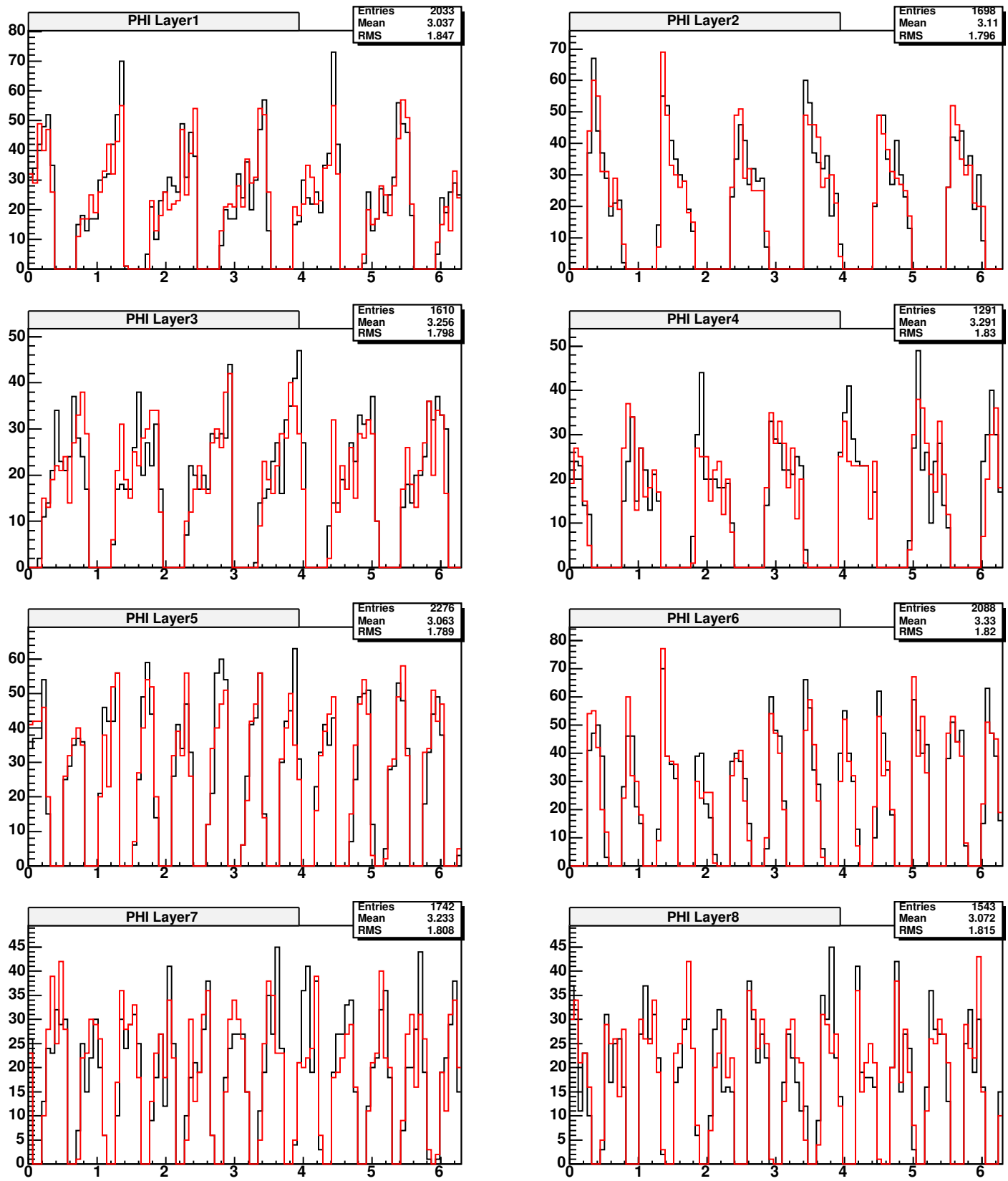
SmtClusters (ClustrBar1)



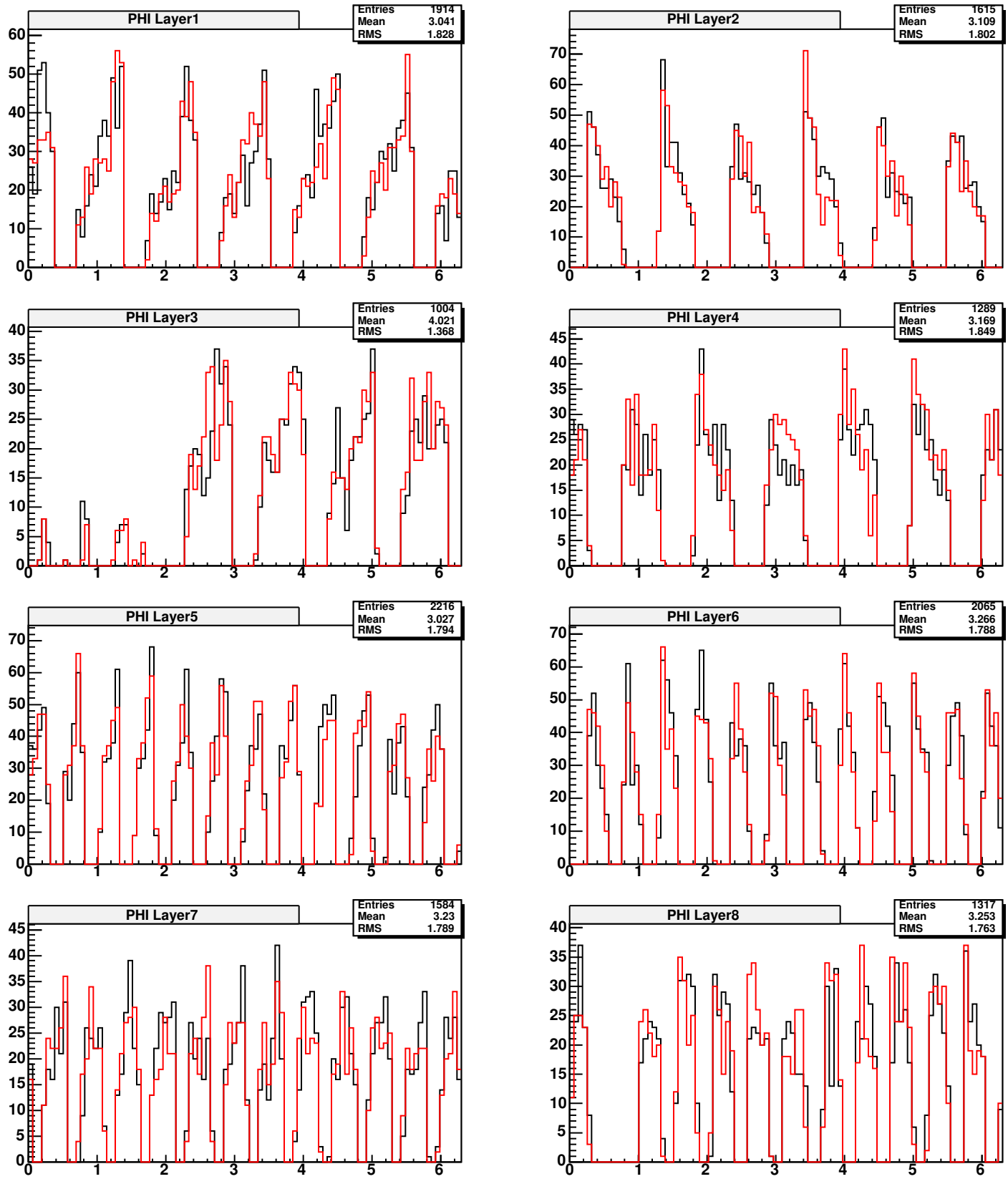
SmtClusters (ClustrBar2)



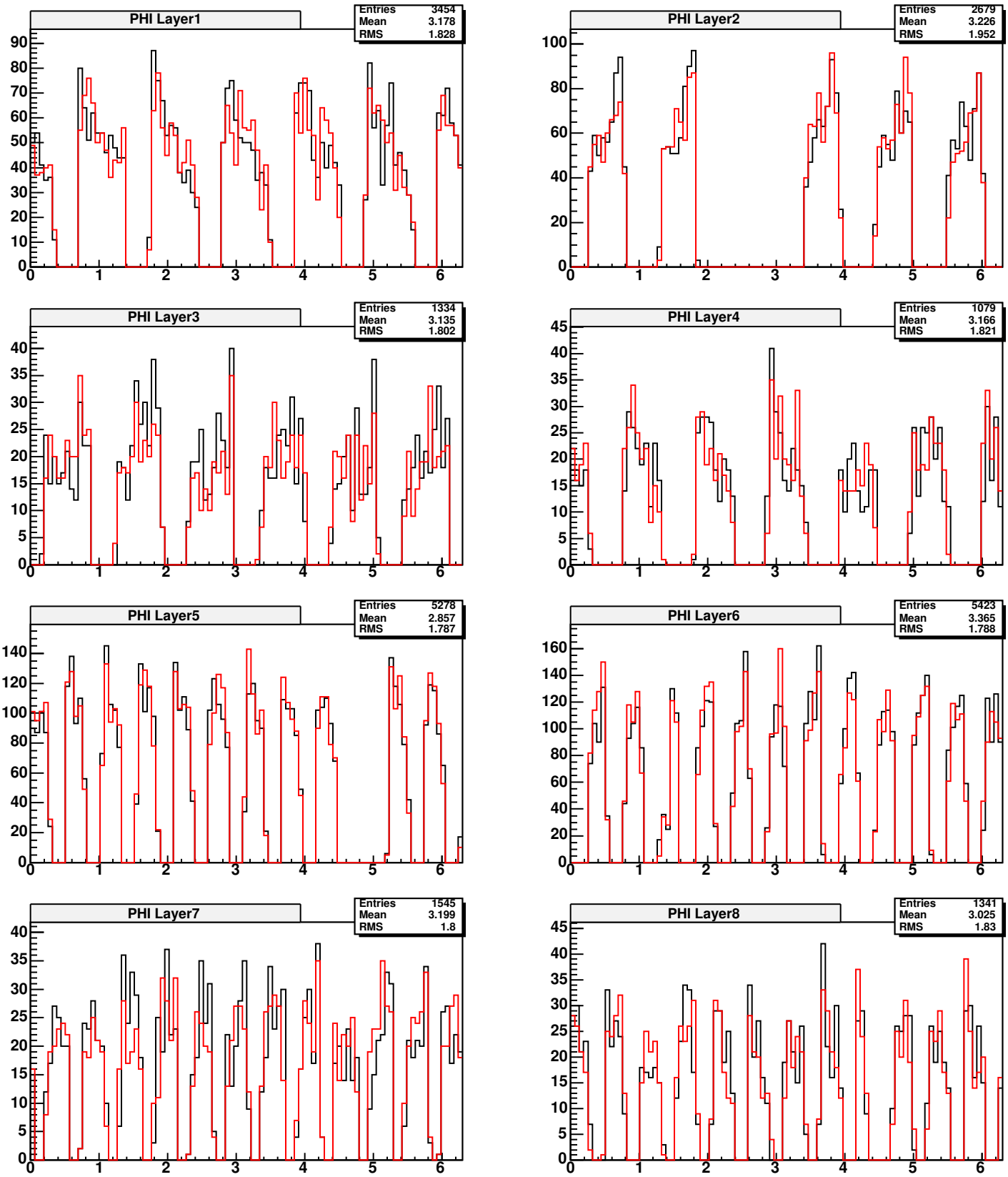
SmtClusters (ClustrBar3)



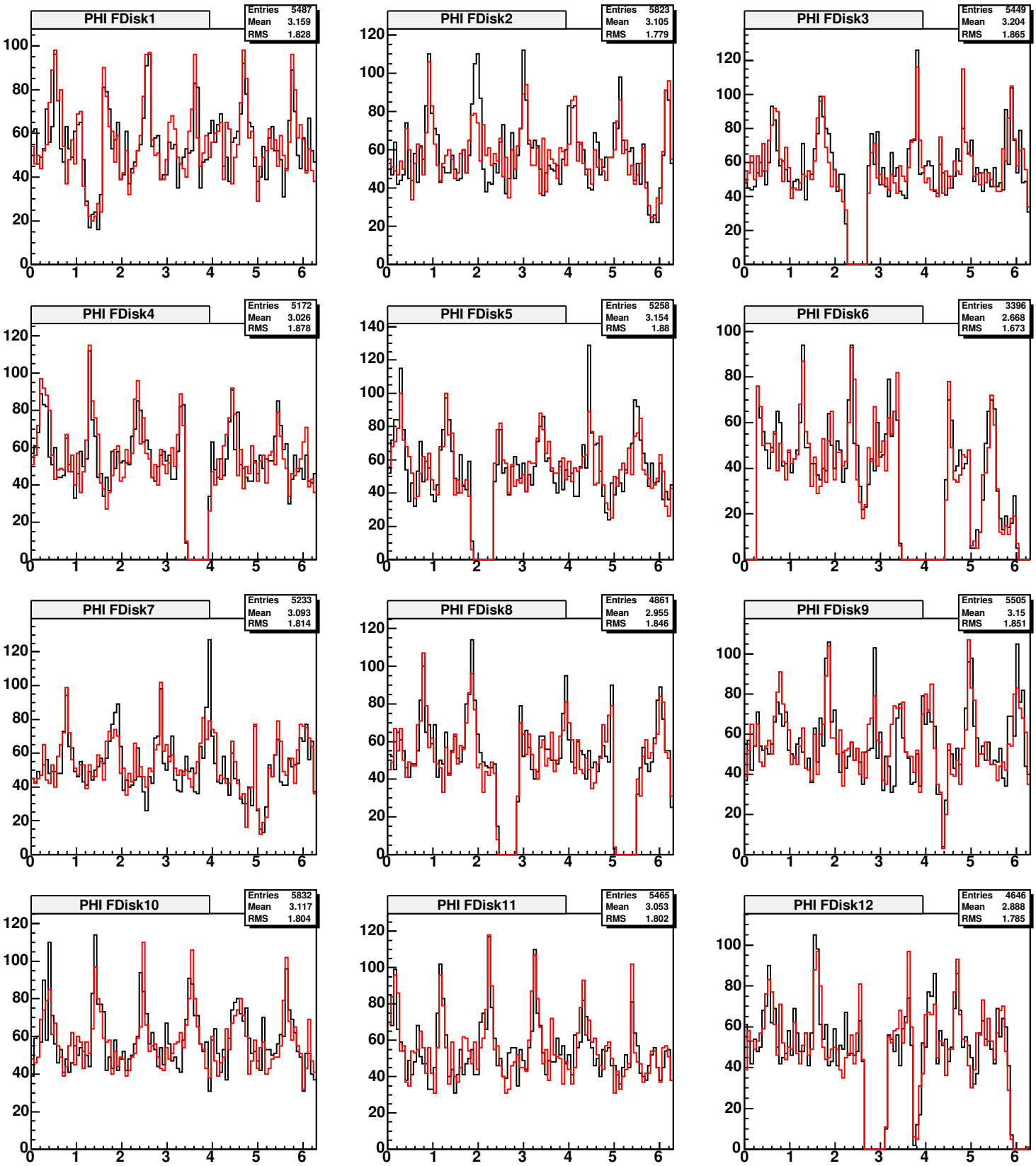
SmtClusters (ClustrBar4)



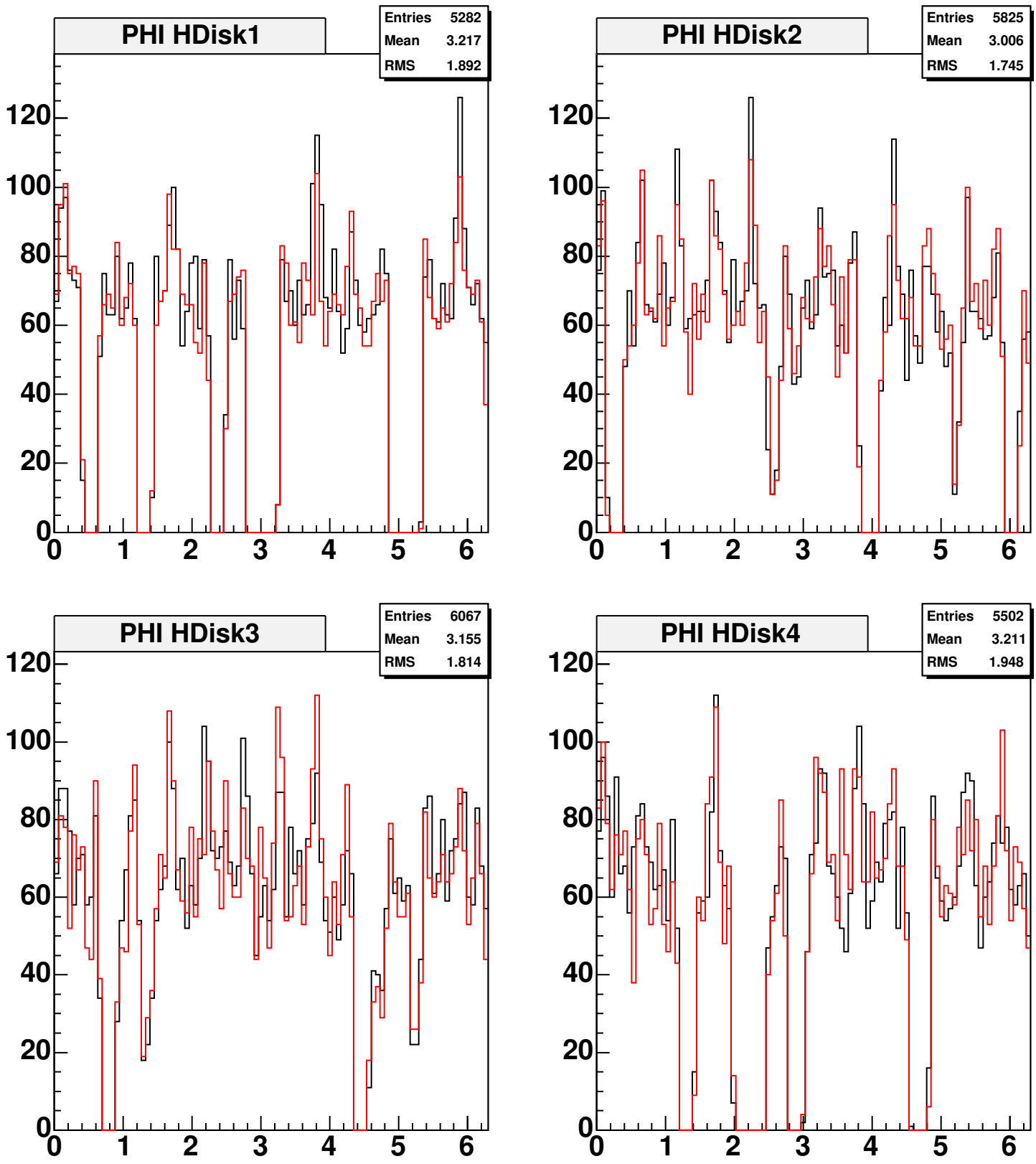
SmtClusters (ClustrBar5)

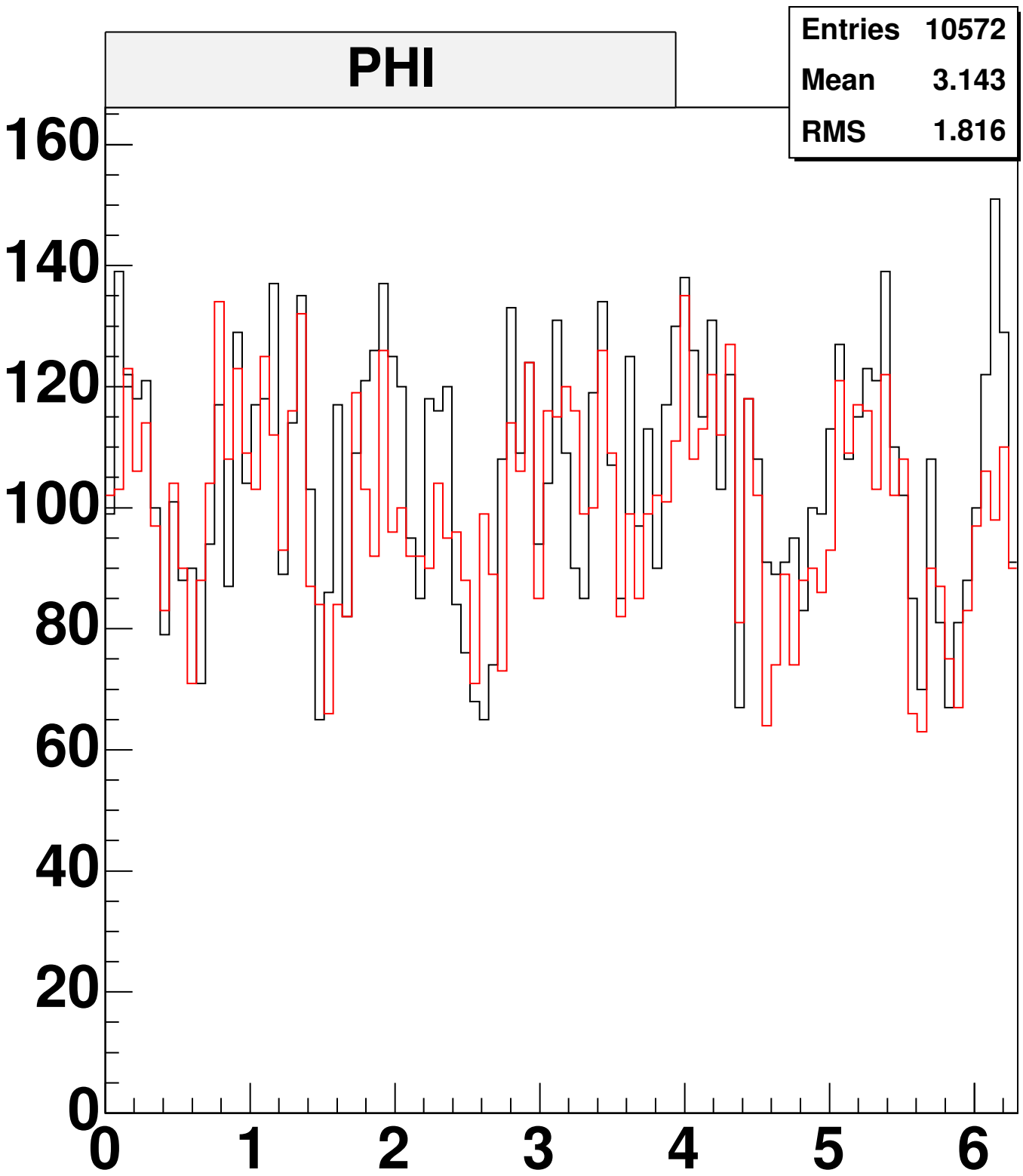


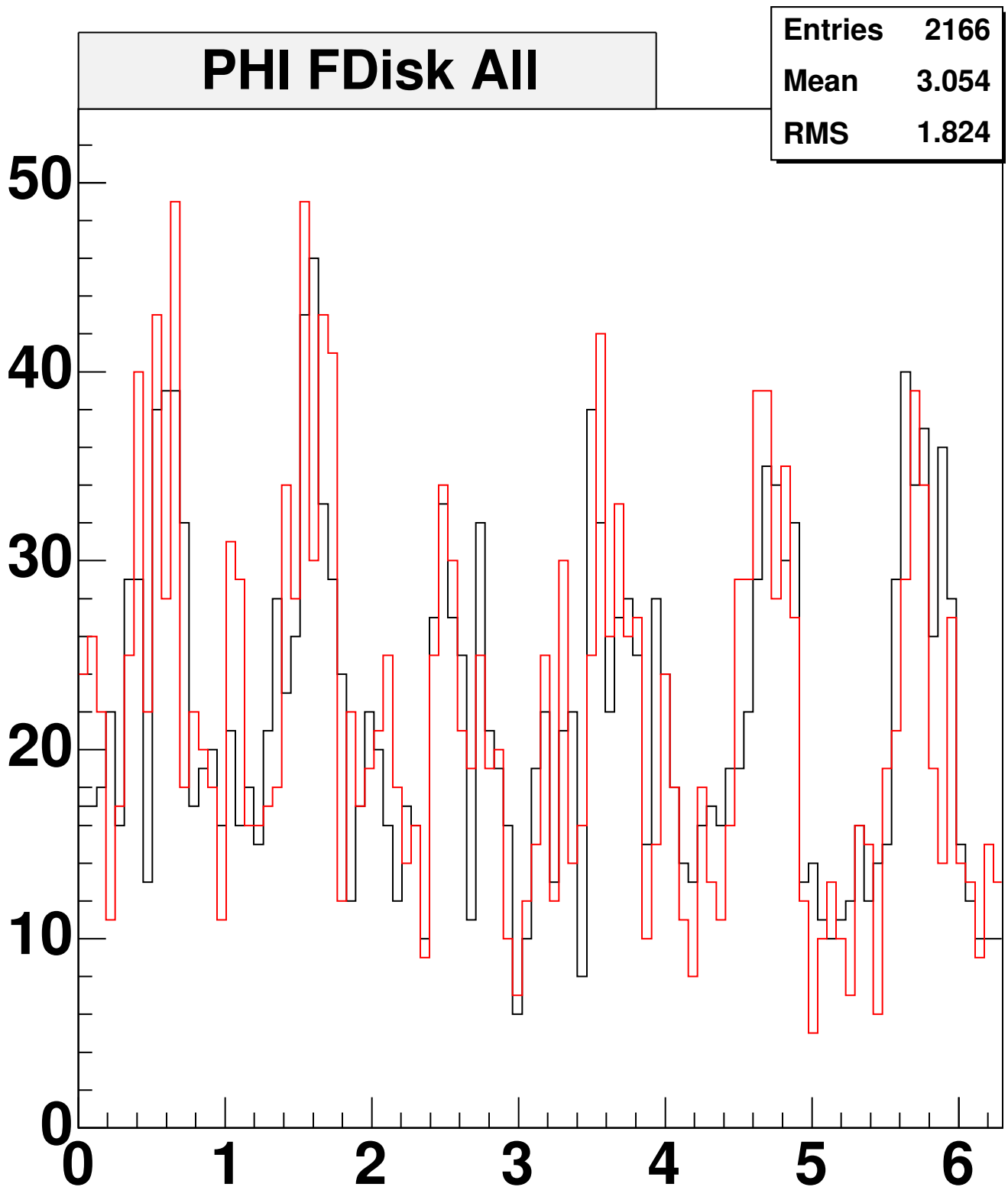
SmtClusters (ClustrBar6)

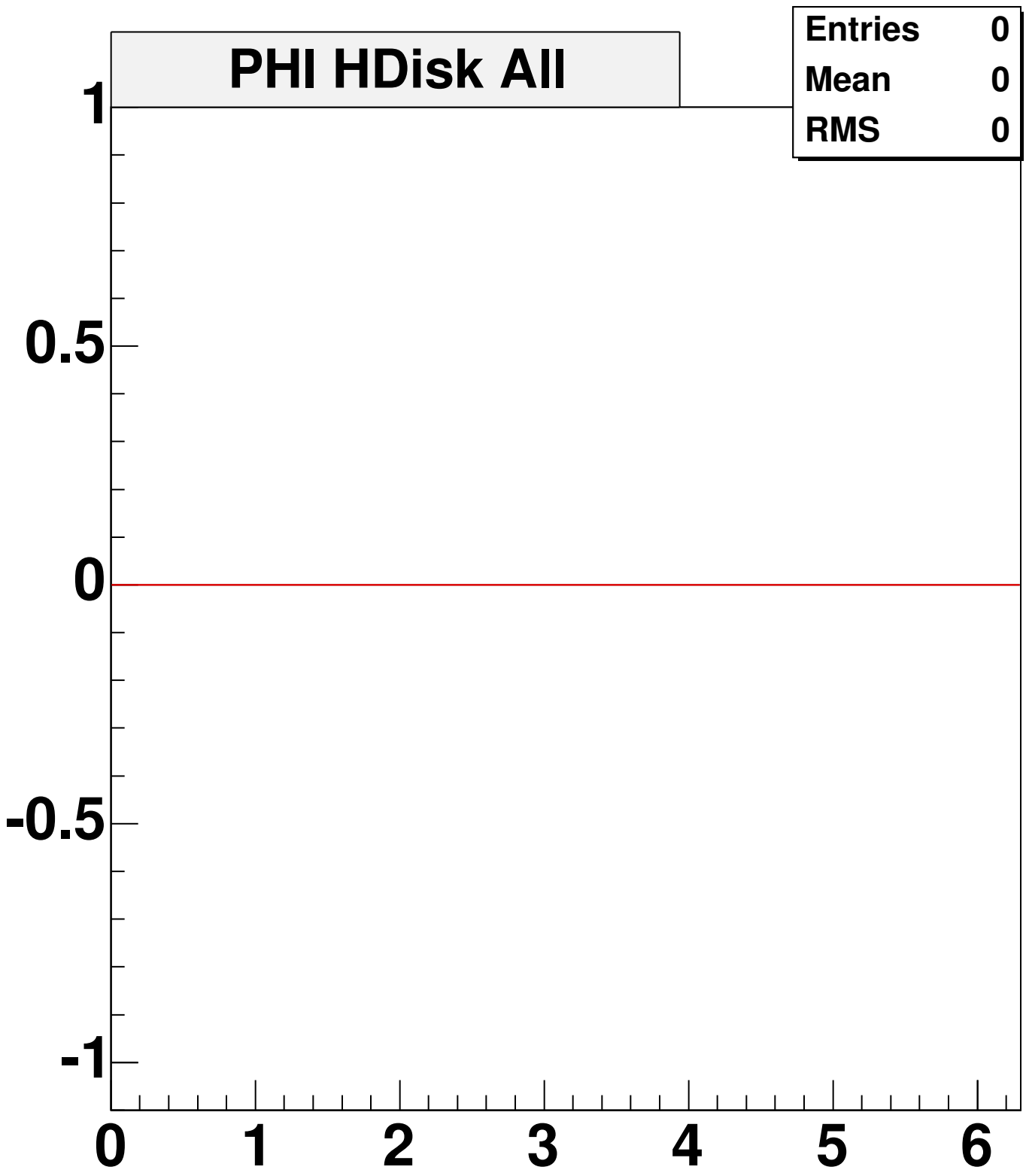


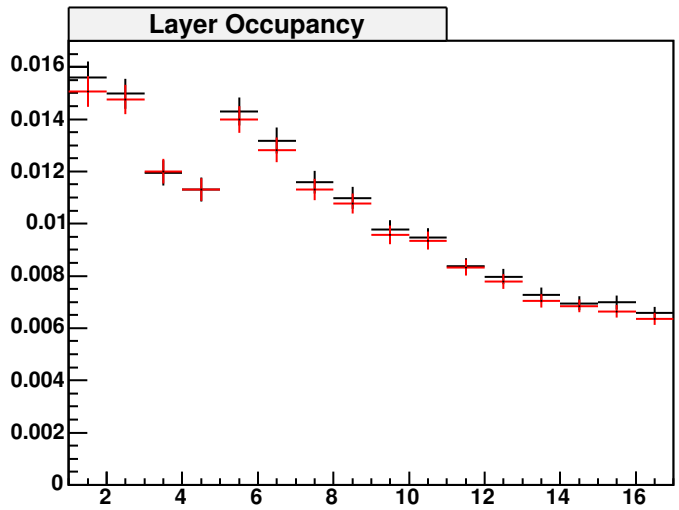
SmtClusters (FDiskClusters)

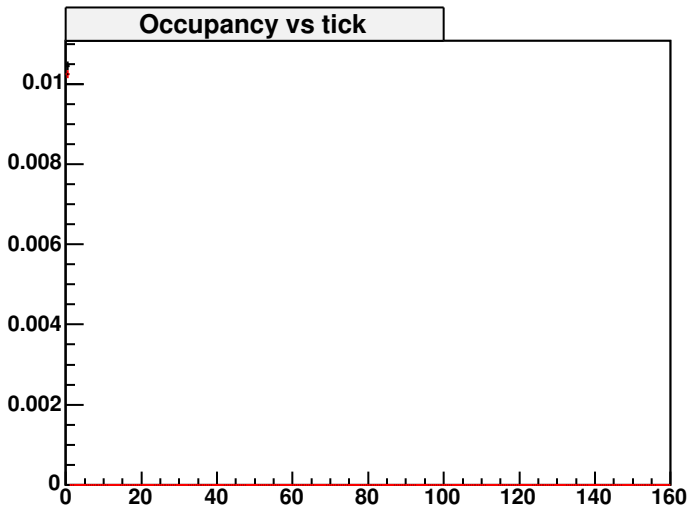

PHI HDisk1
Entries 5282
Mean 3.217
RMS 1.892
PHI HDisk2
Entries 5825
Mean 3.006
RMS 1.745
PHI HDisk3
Entries 6067
Mean 3.155
RMS 1.814
PHI HDisk4
Entries 5502
Mean 3.211
RMS 1.948
0 20 40 60 80 100 120
0 1 2 3 4 5 6
SmtClusters (HDiskClusters)

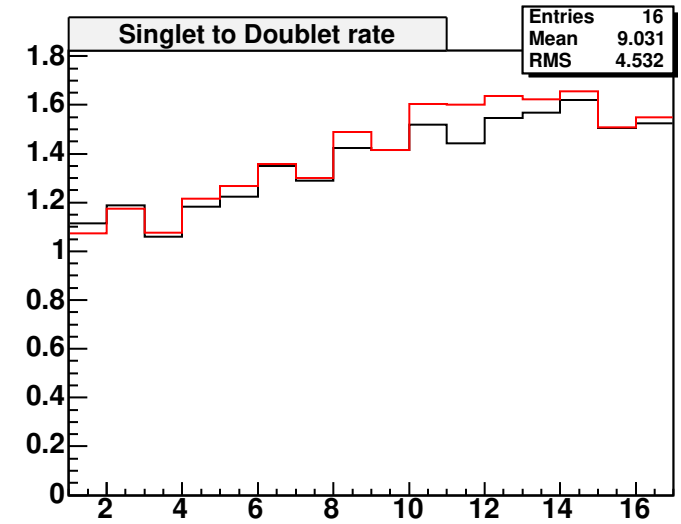

PHI
Entries 10572
Mean 3.143
RMS 1.816
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

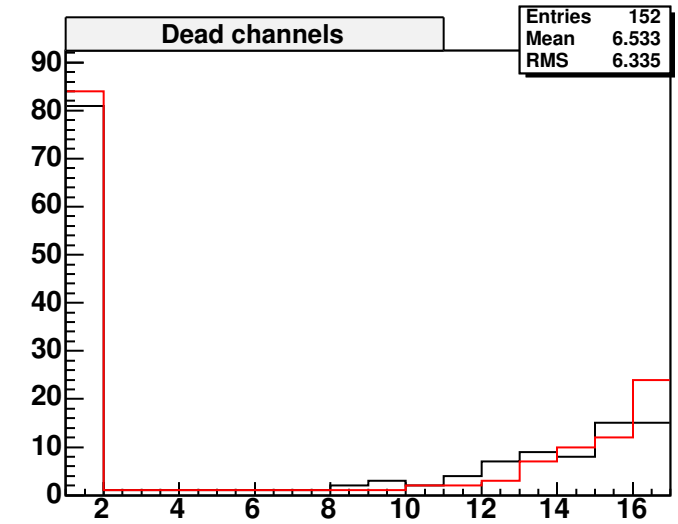

PHI FDisk All
Entries 2166
Mean 3.054
RMS 1.824
50
40
30
20
10
0
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

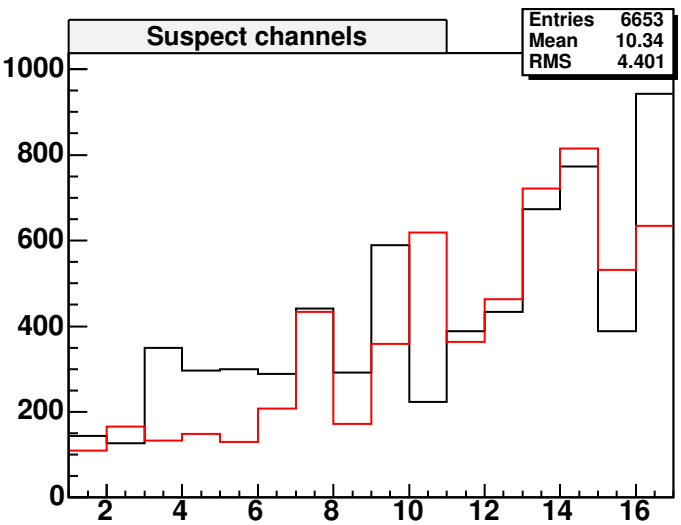

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

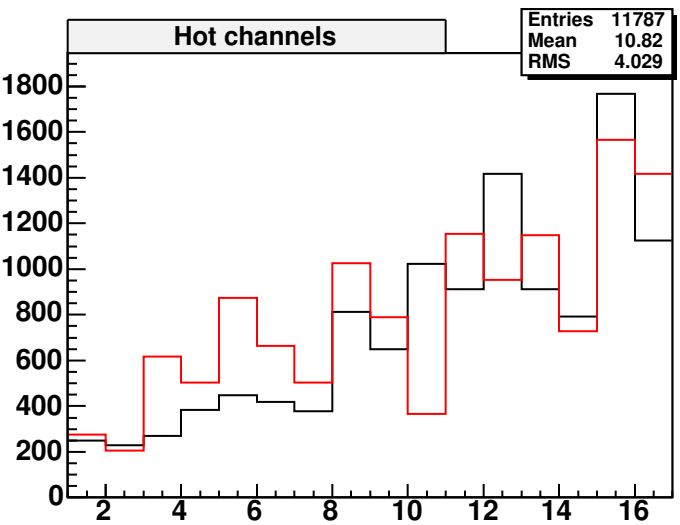




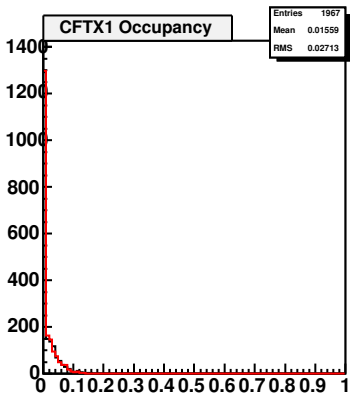


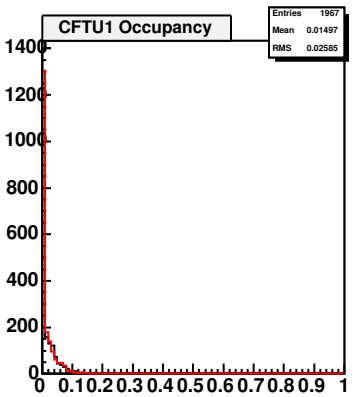


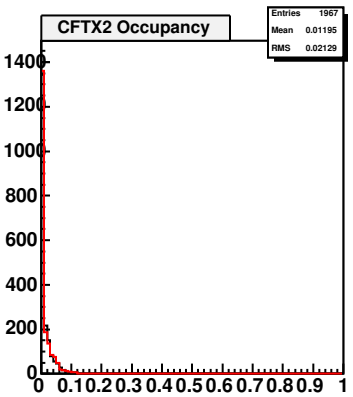


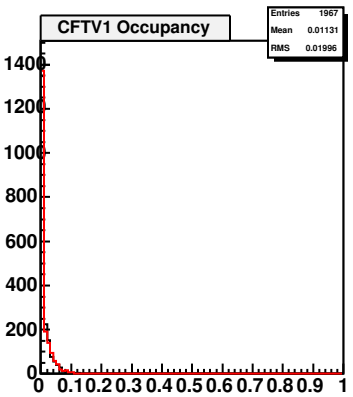


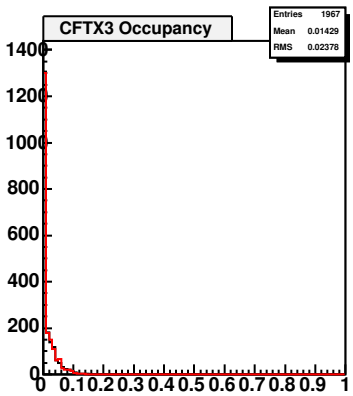
CFT Summary (All Clusters)

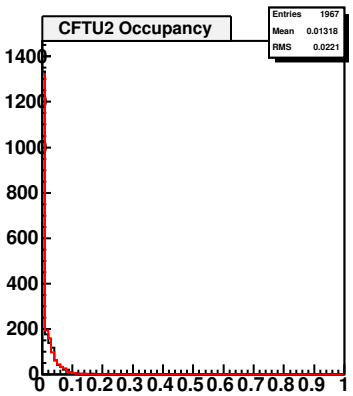


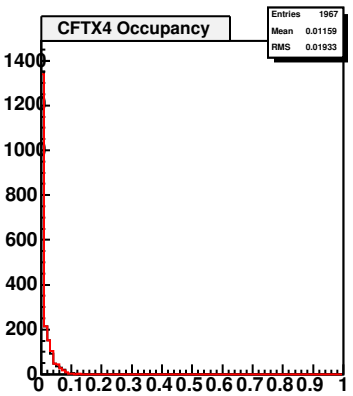


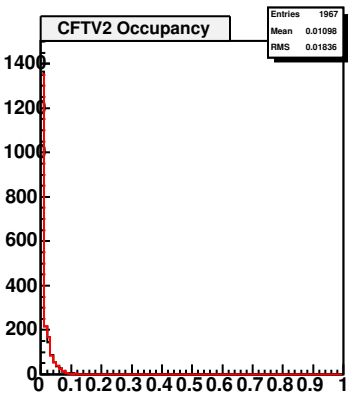


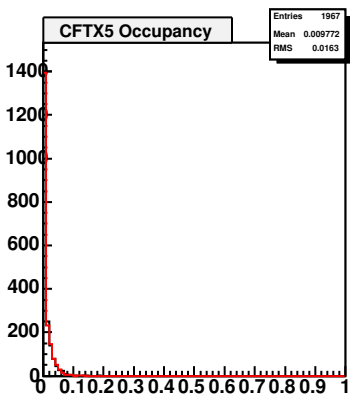


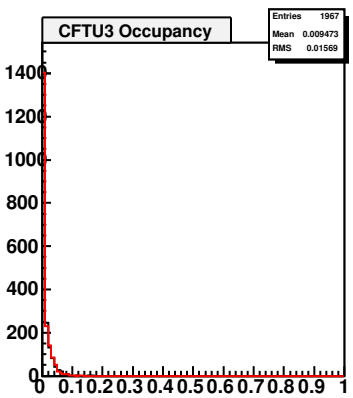


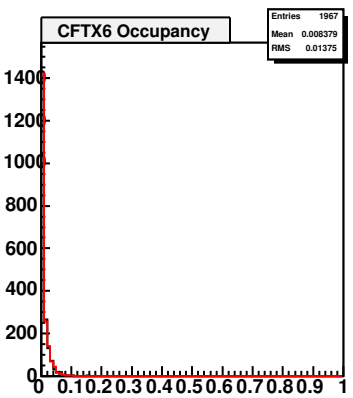


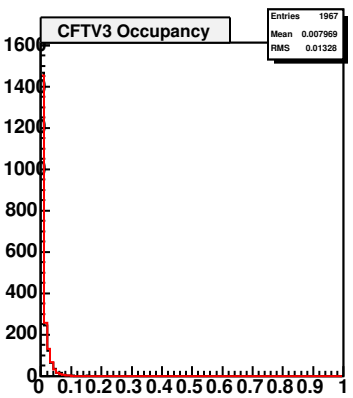


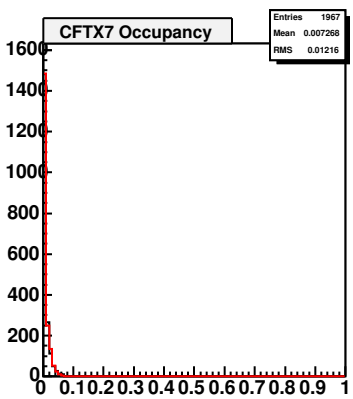


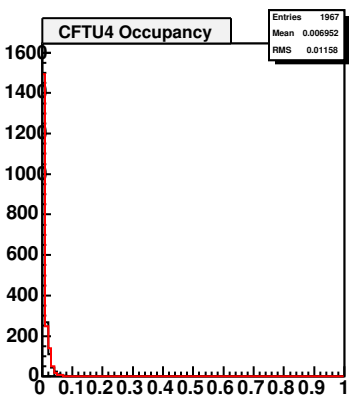


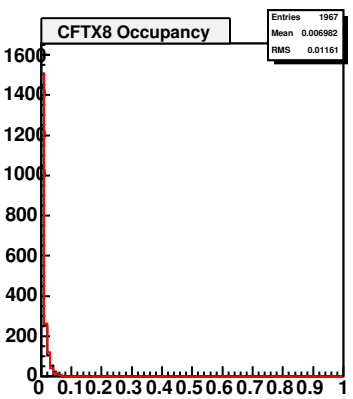


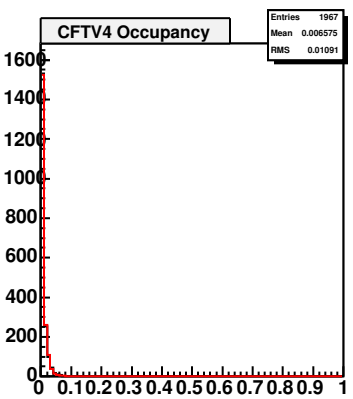




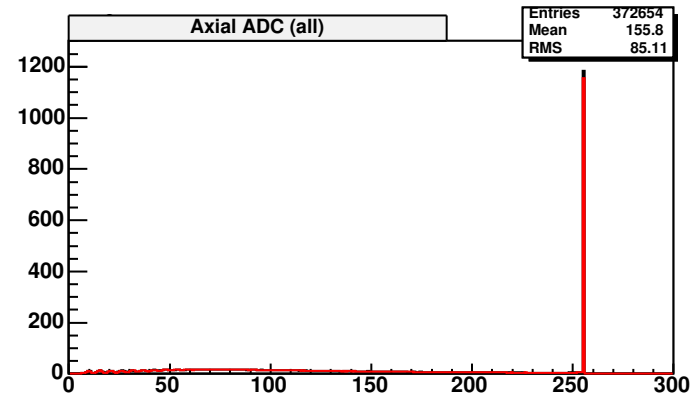


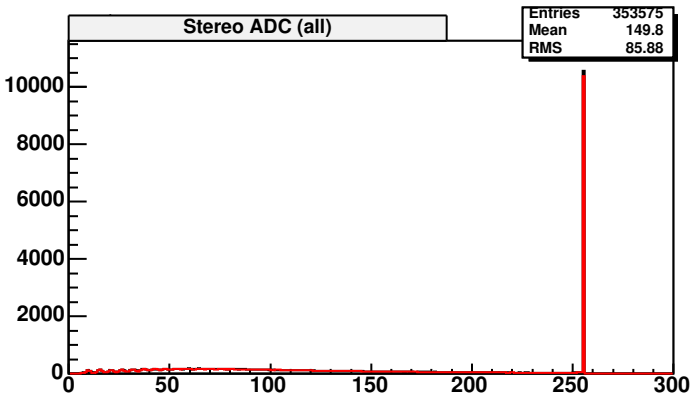


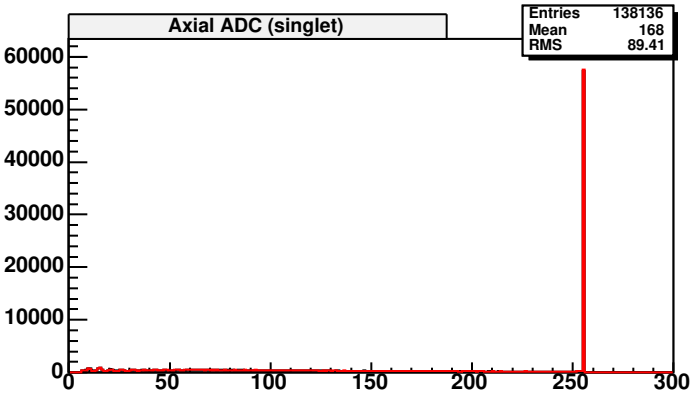


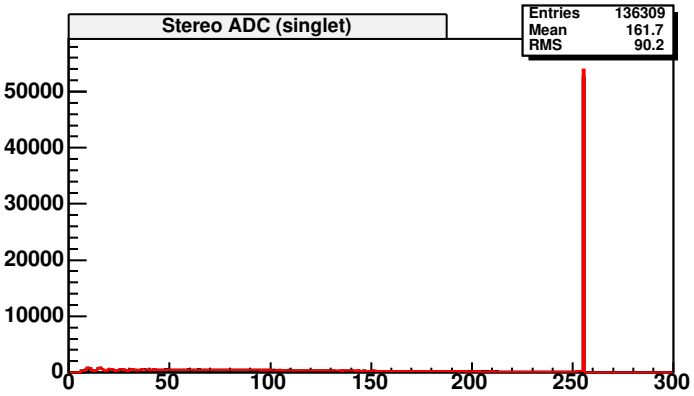


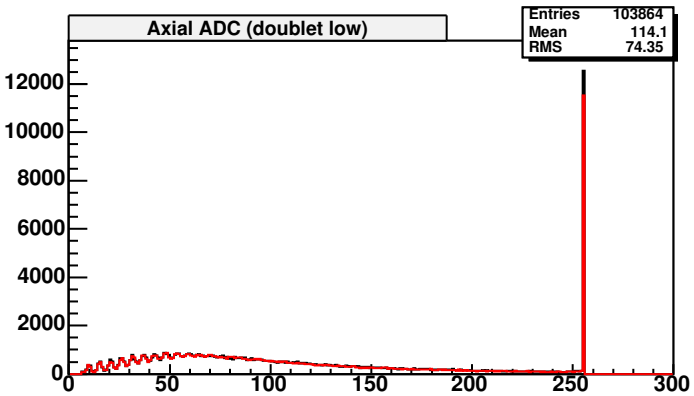
Cft Occupancy (All Clusters)

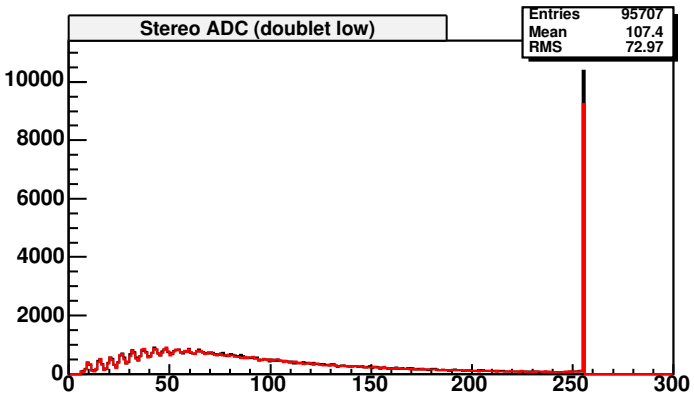


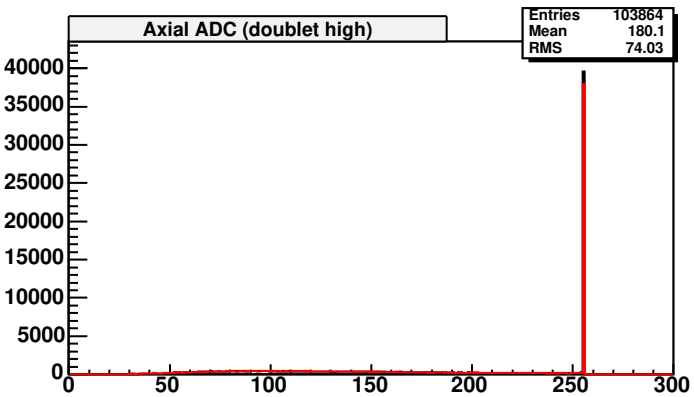


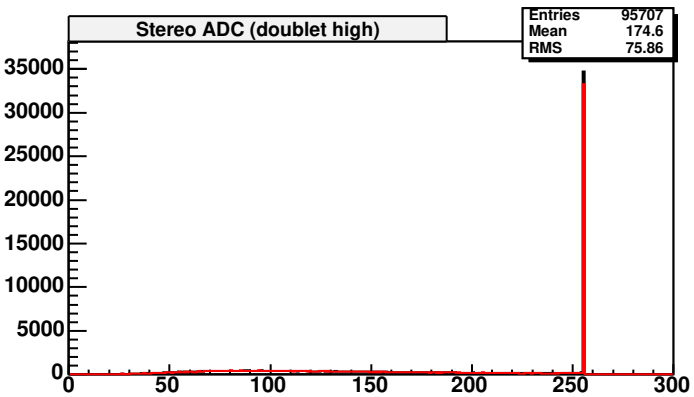




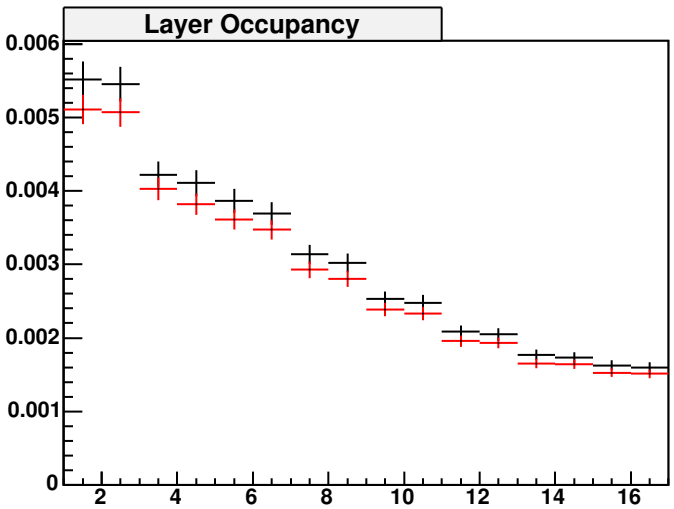


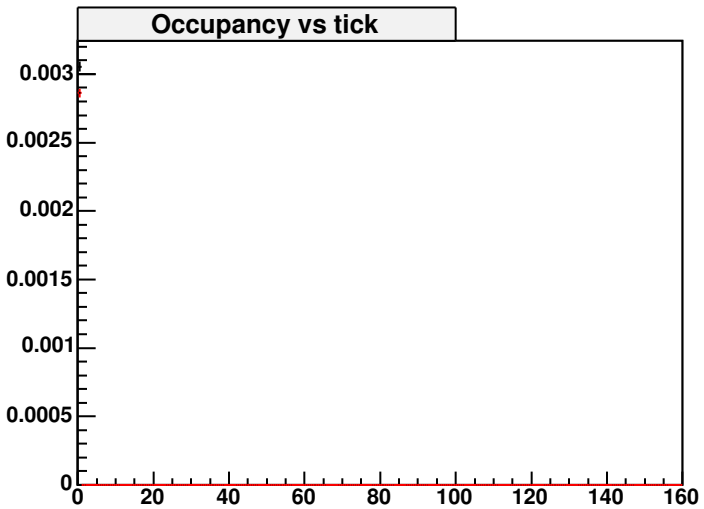


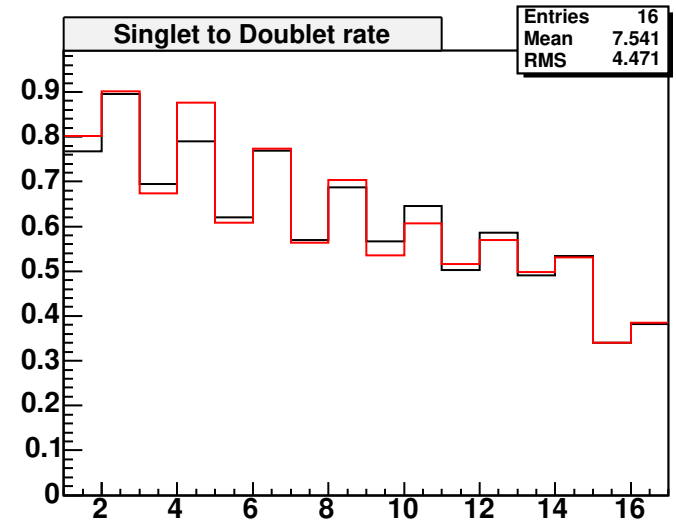


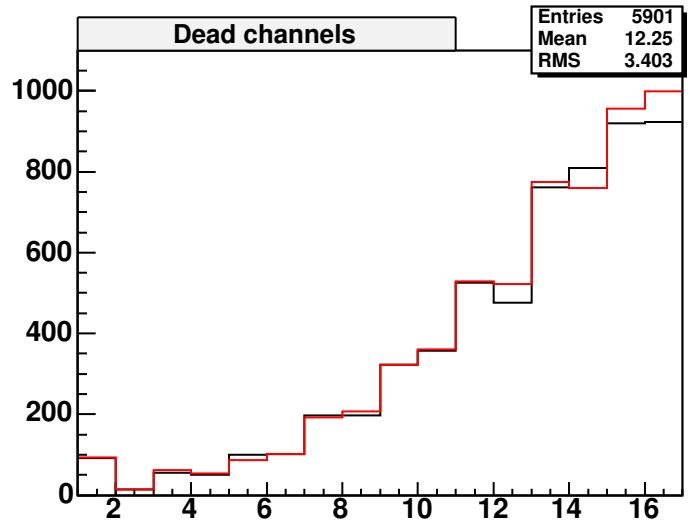


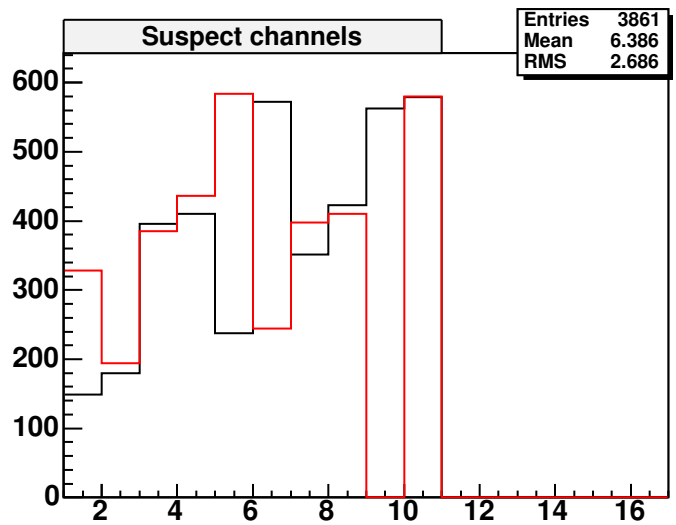
CFT ADC Summary (All Clusters)

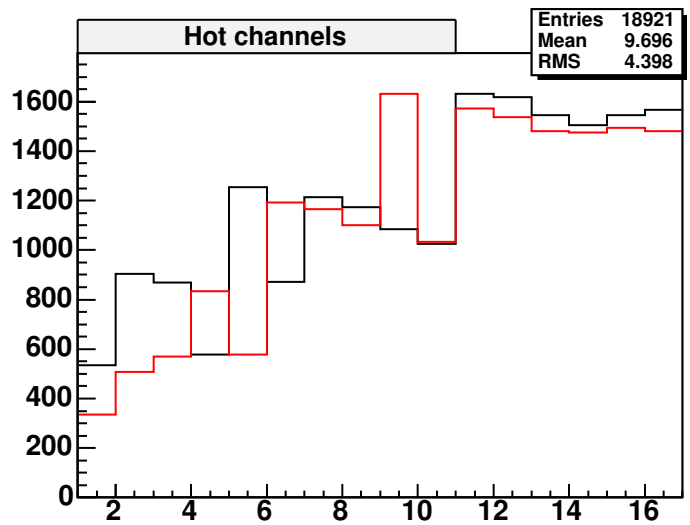




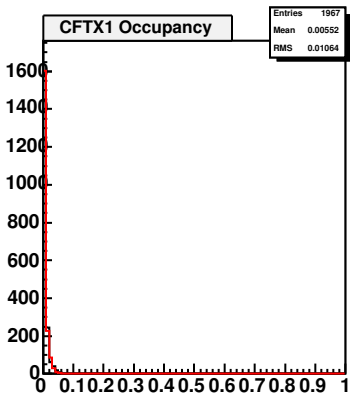


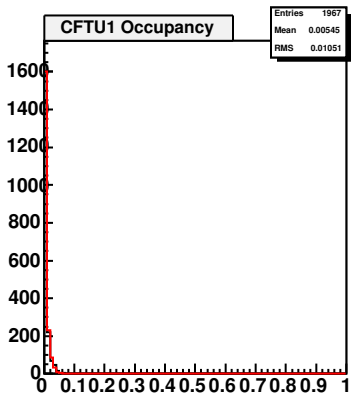


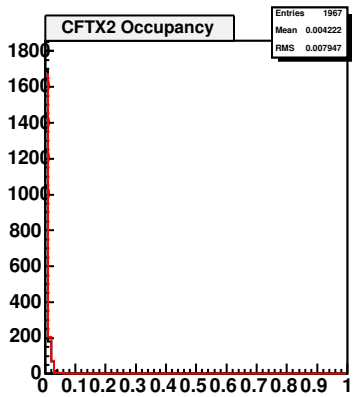


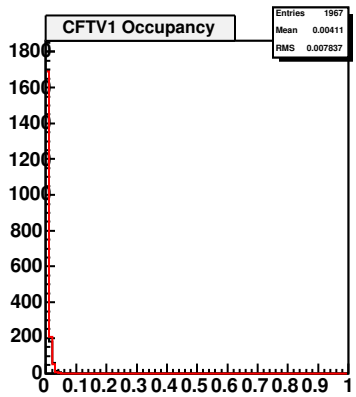


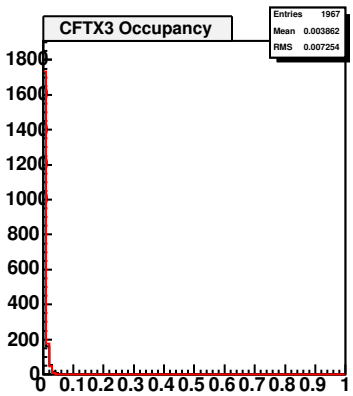
CFT Summary (Clusters on tracks)

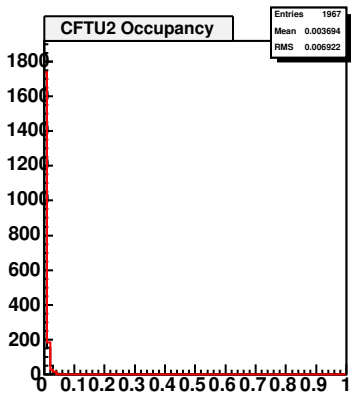


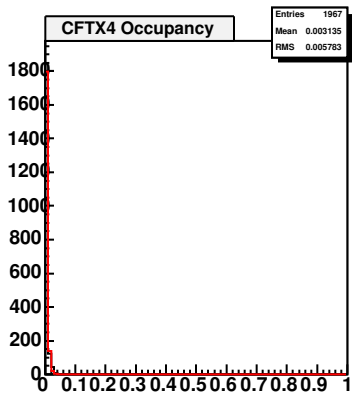


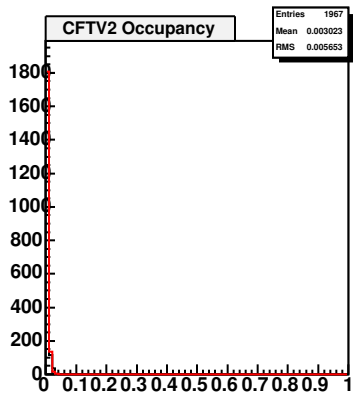


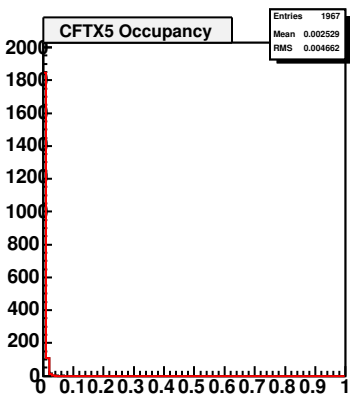


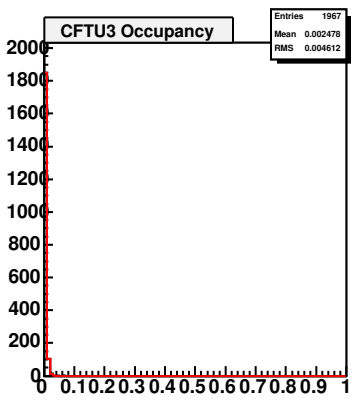


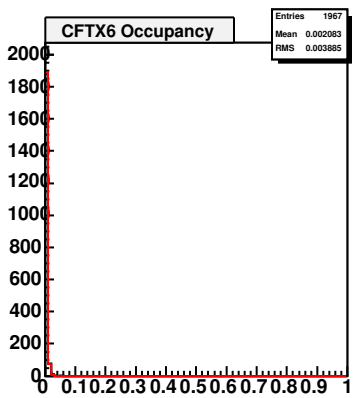


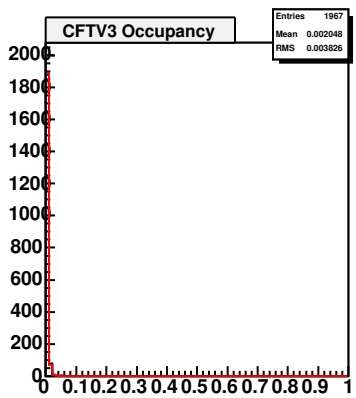


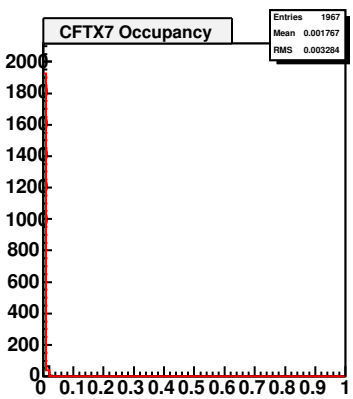


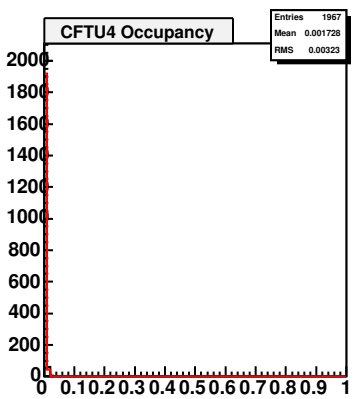


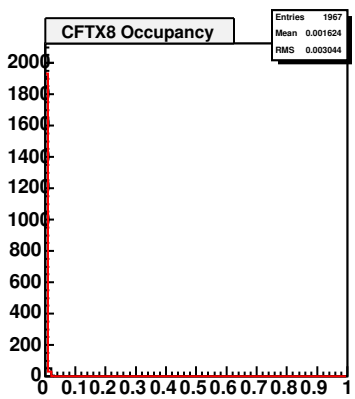


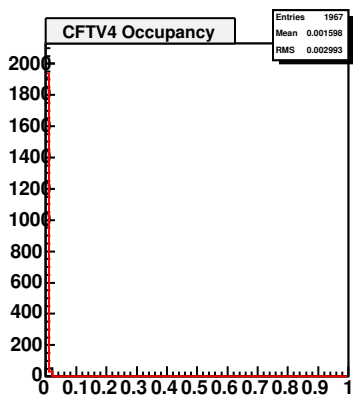




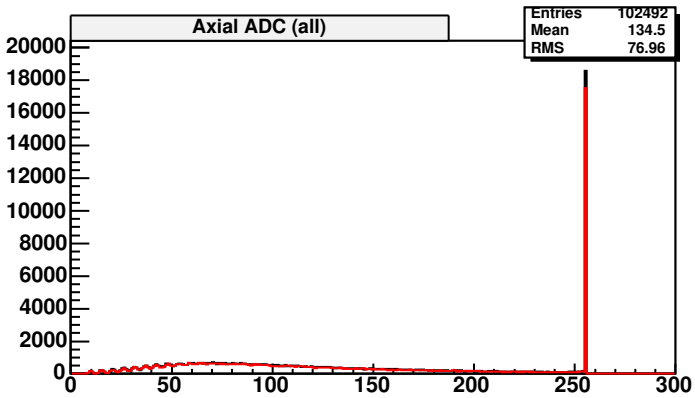


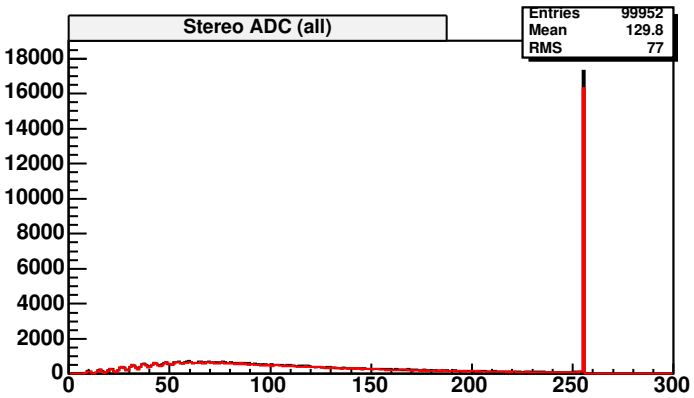


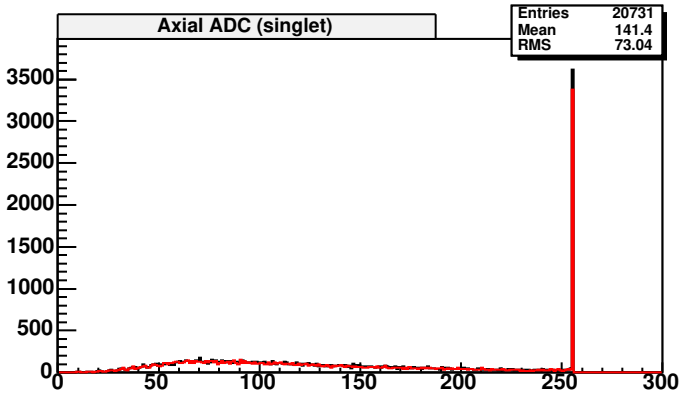


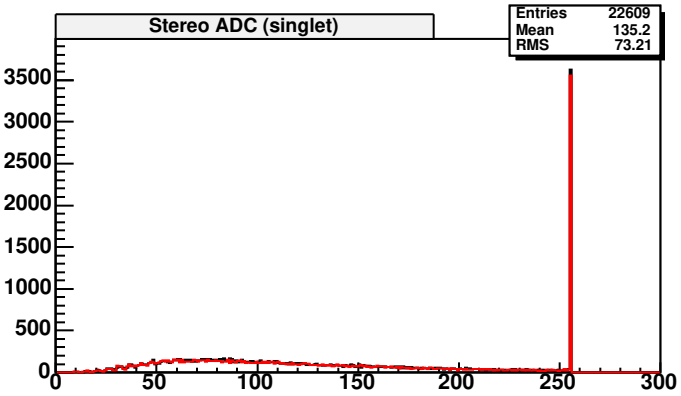


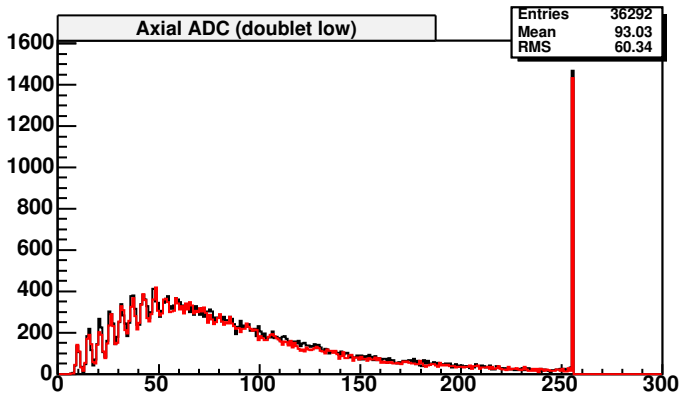
Cft Occupancy (Clusters on tracks)

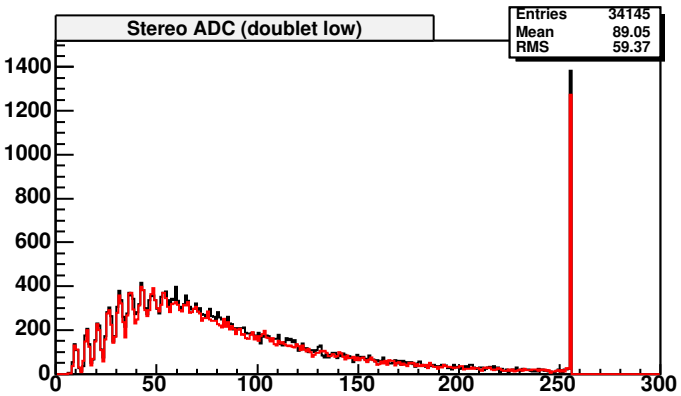


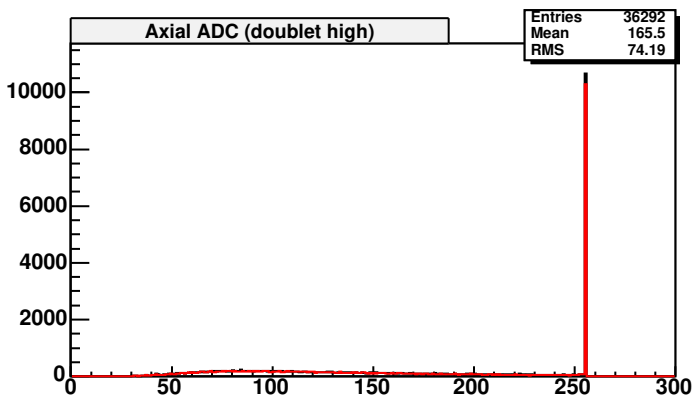


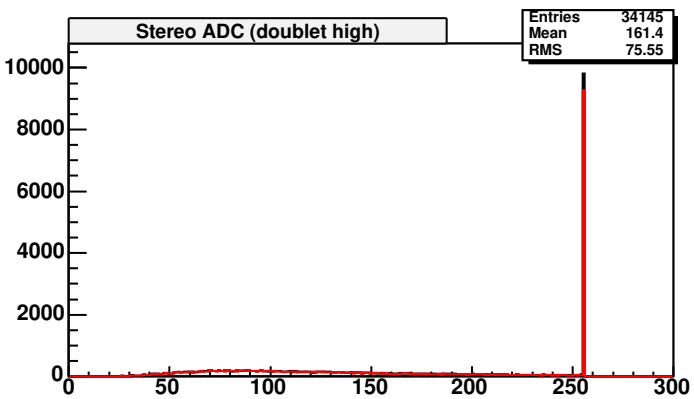




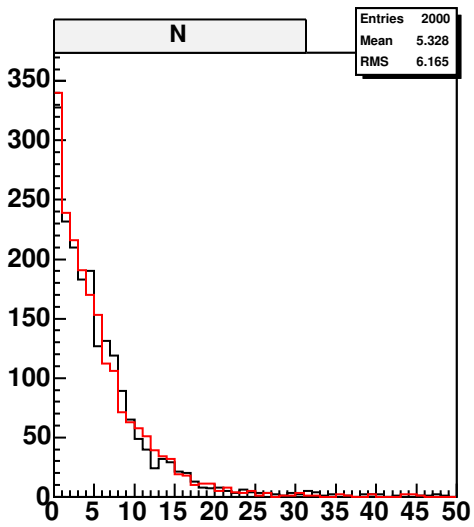


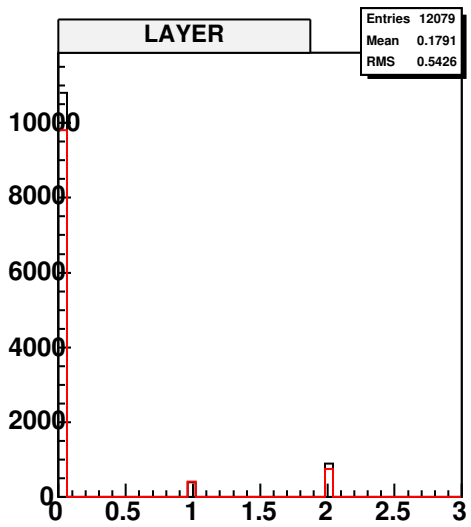


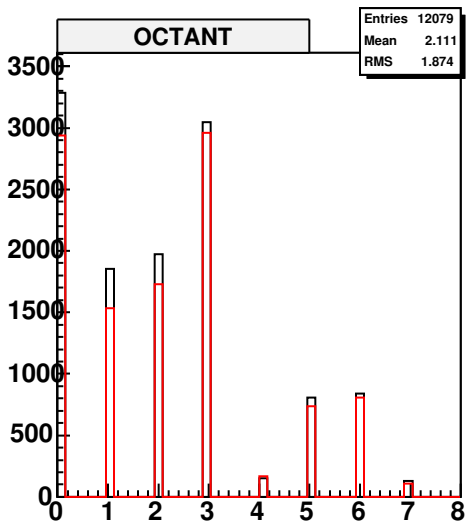


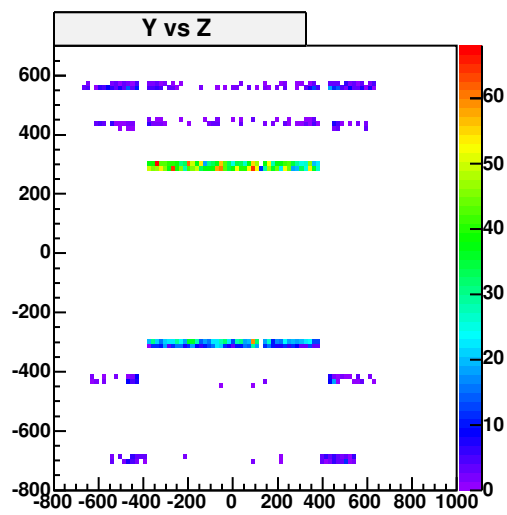


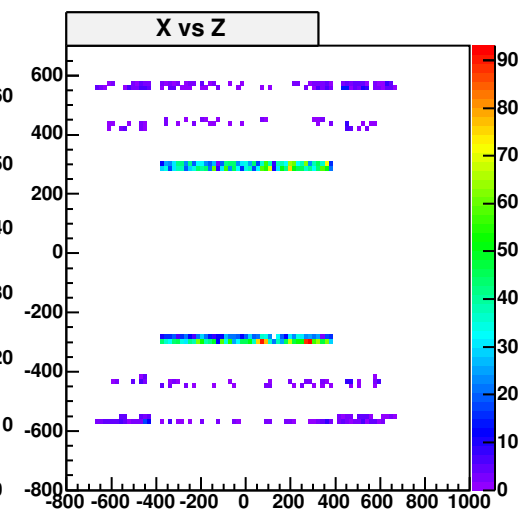
CFT ADC Summary (Clusters on tracks)

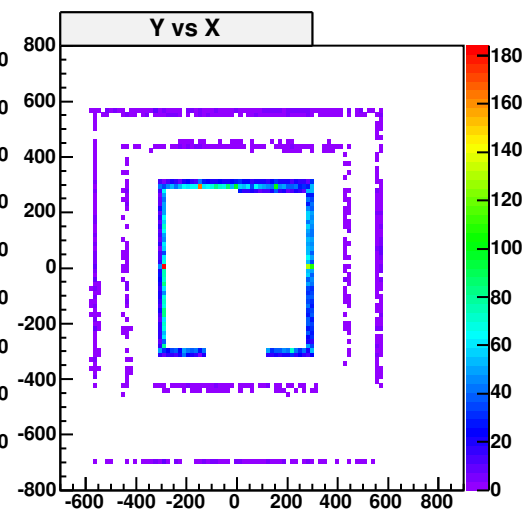

N
Entries 2000
Mean 5.328
RMS 6.165

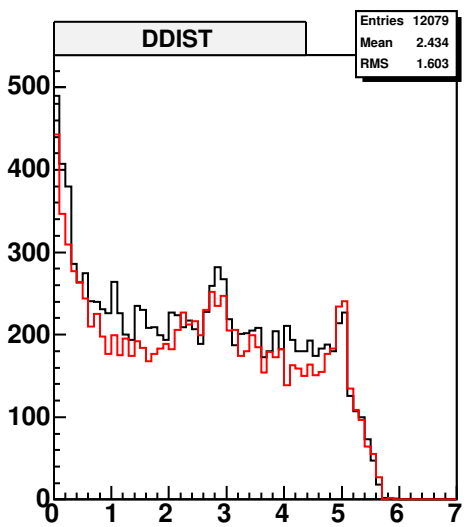

LAYER
Entries 12079
Mean 0.1791
RMS 0.5426

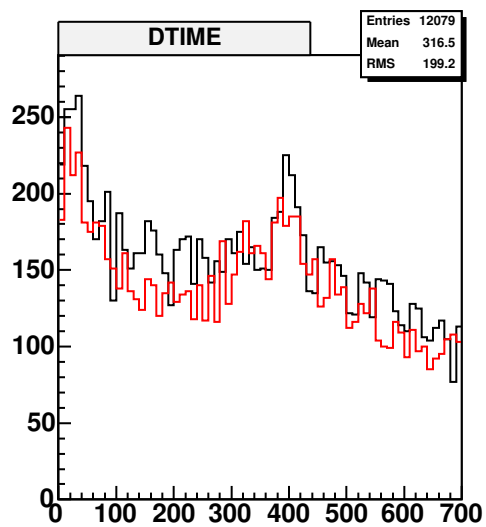

OCTANT
Entries 12079
Mean 2.111
RMS 1.874


Y vs Z

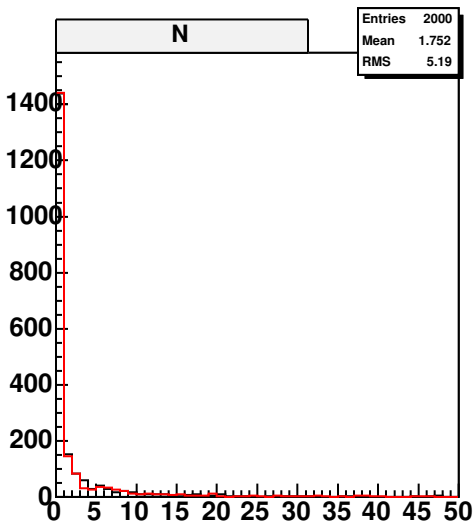

X vs Z

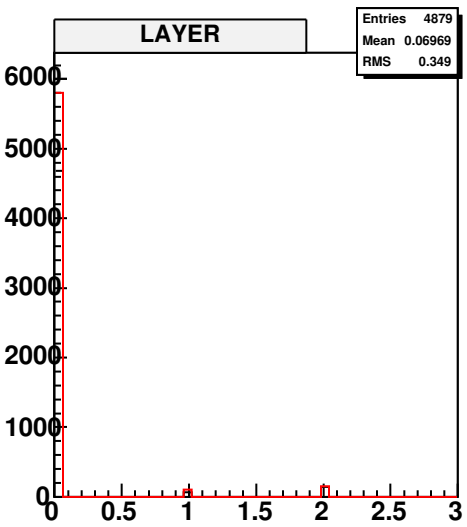

Y vs X

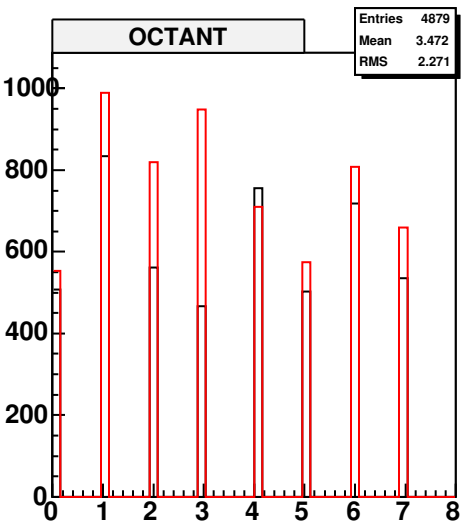

DDIST
Entries 12079
Mean 2.434
RMS 1.603

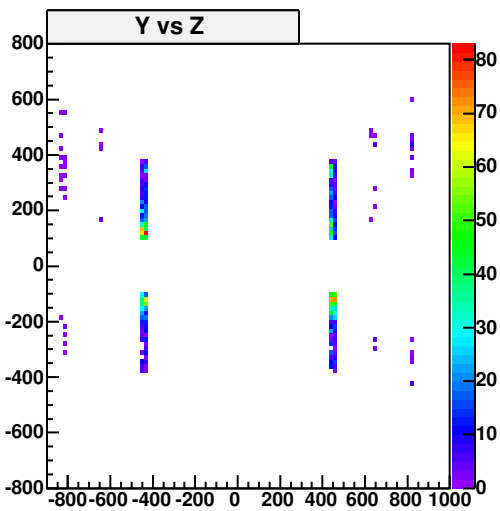

DTIME
Entries 12079
Mean 316.5
RMS 199.2

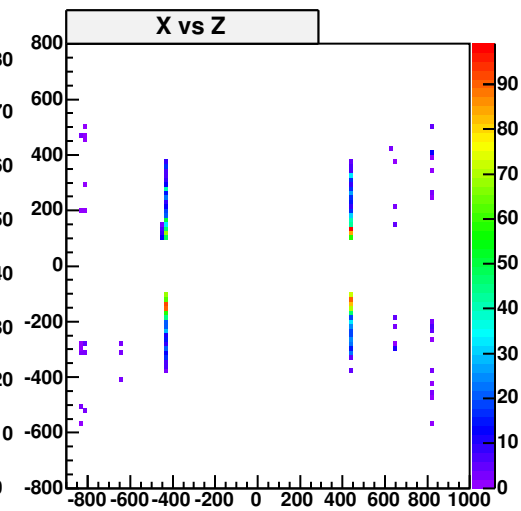
MuonPDT (All)

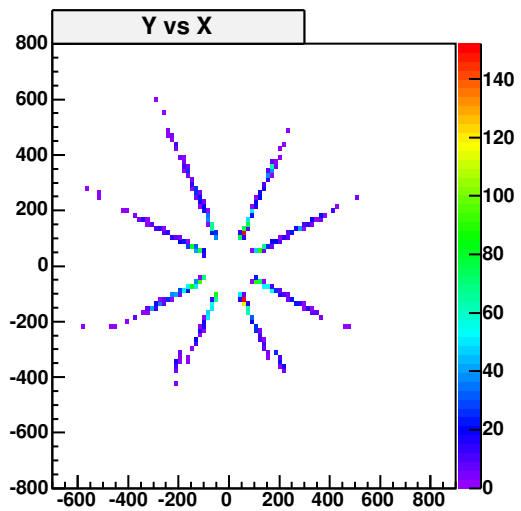

N
Entries 2000
Mean 1.752
RMS 5.19

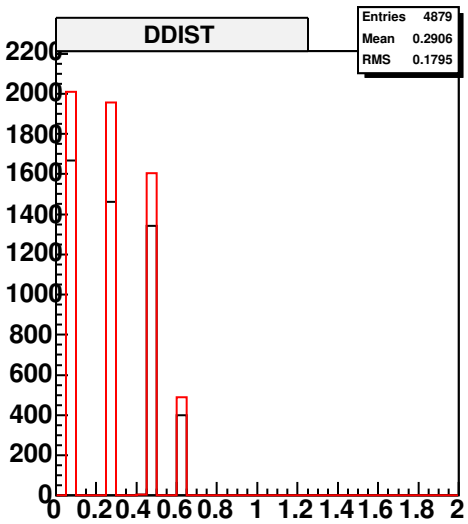

LAYER
Entries 4879
Mean 0.06969
RMS 0.349

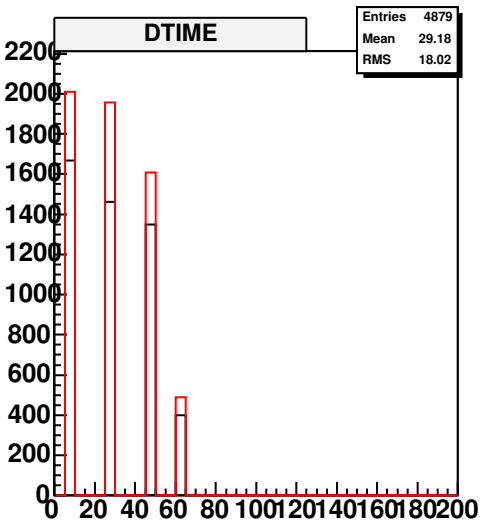

OCTANT
Entries 4879
Mean 3.472
RMS 2.271


Y vs Z

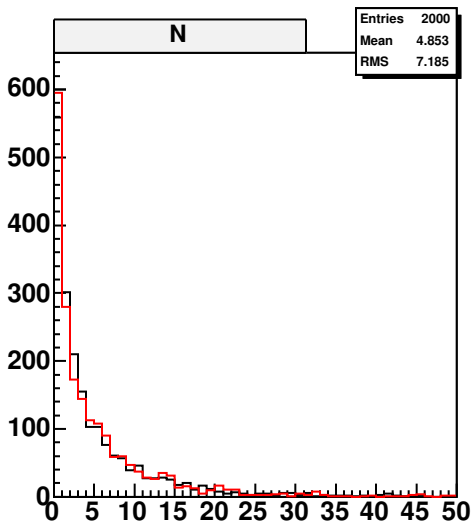

X vs Z

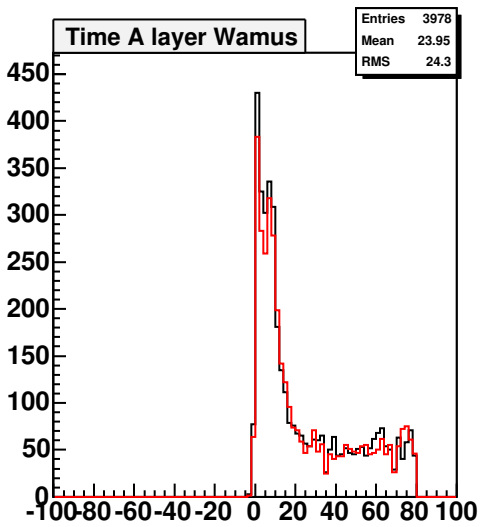

Y vs X

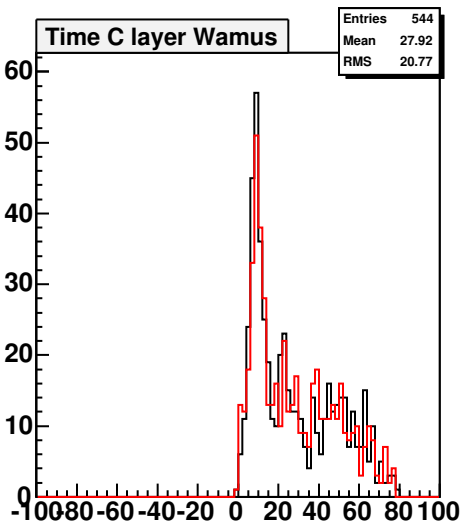

DDIST
Entries 4879
Mean 0.2906
RMS 0.1795

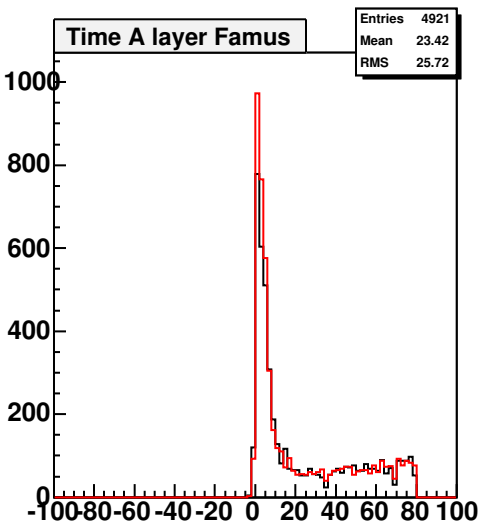

DTIME
Entries 4879
Mean 29.18
RMS 18.02

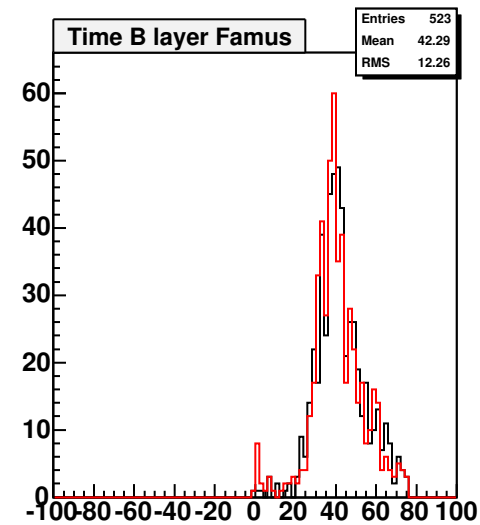
MuonMDT (All)

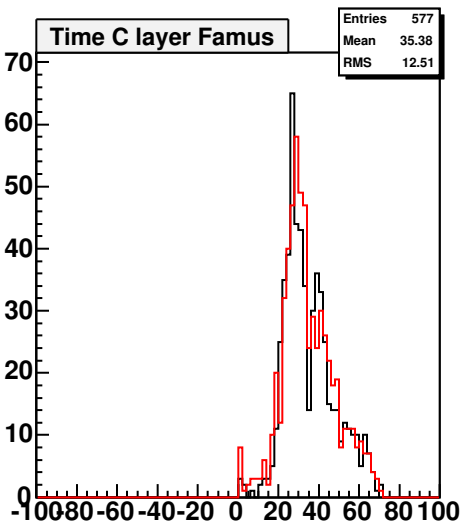

N
Entries 2000
Mean 4.853
RMS 7.185

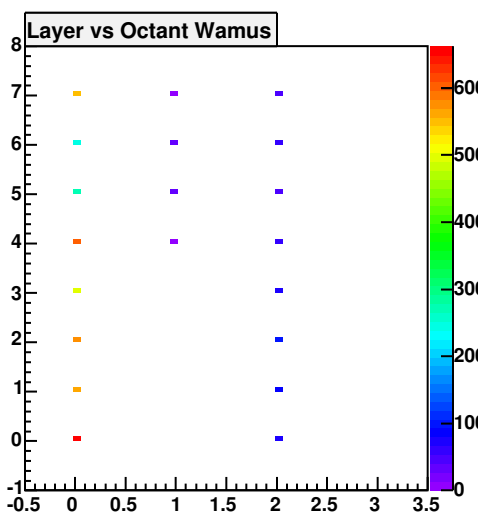

Time A layer Wamus
Entries 3978
Mean 23.95
RMS 24.3

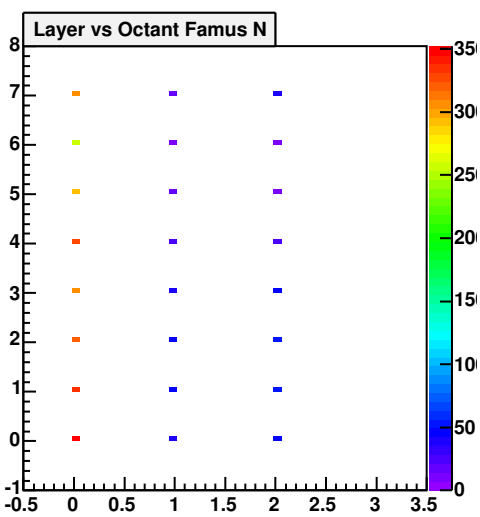

Time C layer Wamus
Entries 544
Mean 27.92
RMS 20.77

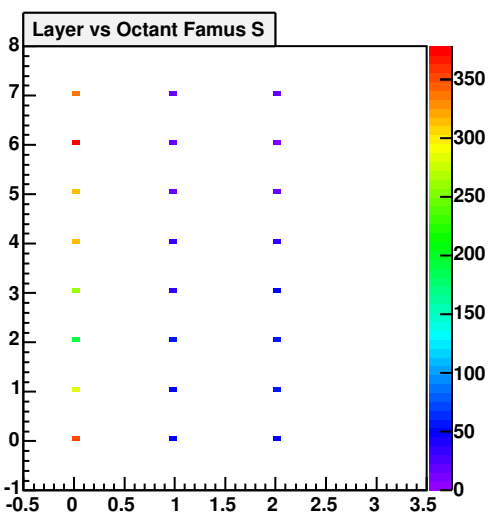

Time A layer Famus
Entries 4921
Mean 23.42
RMS 25.72


Time B layer Famus
Entries 523
Mean 42.29
RMS 12.26

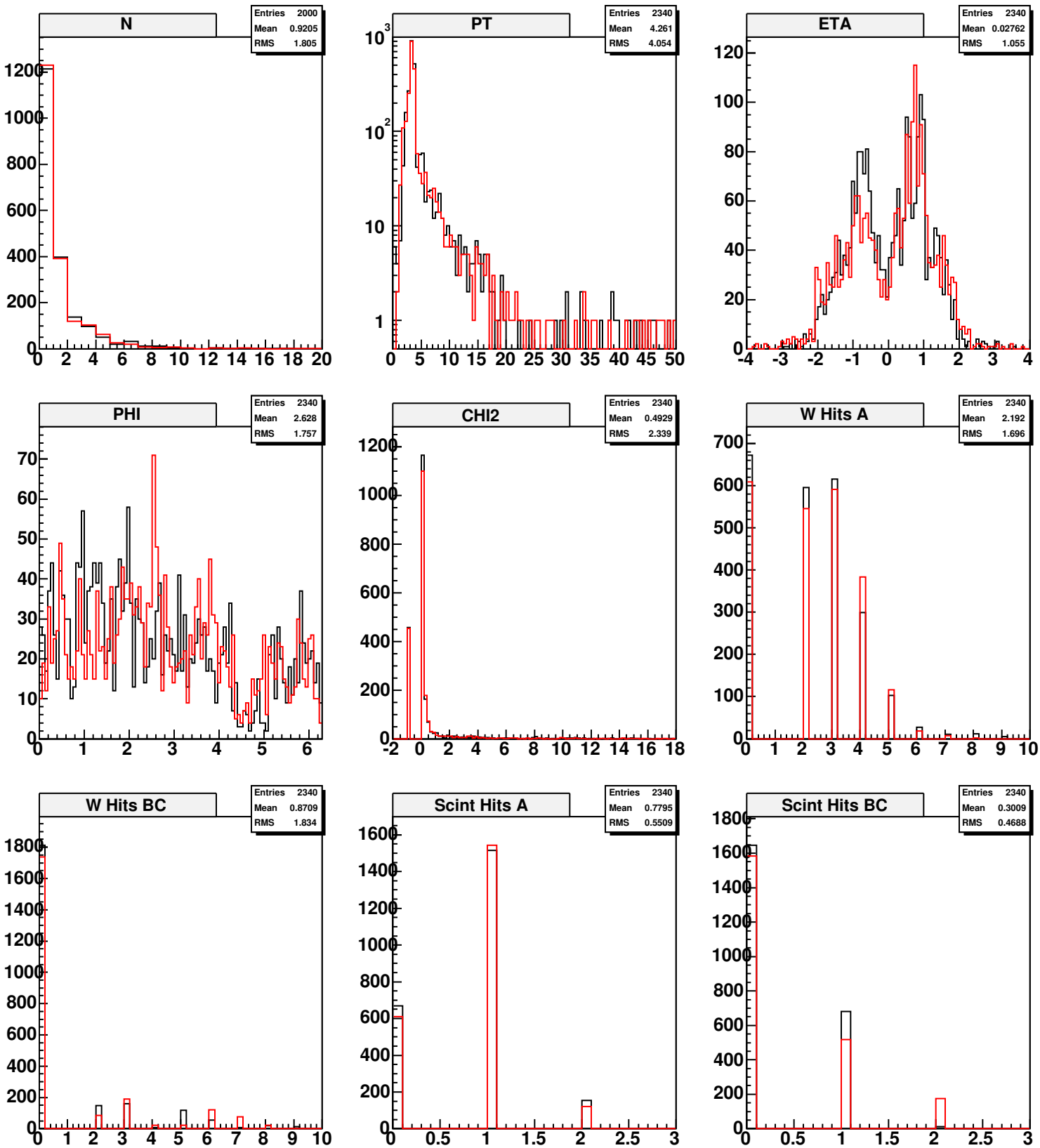

Time C layer Famus
Entries 577
Mean 35.38
RMS 12.51


Layer vs Octant Wamus

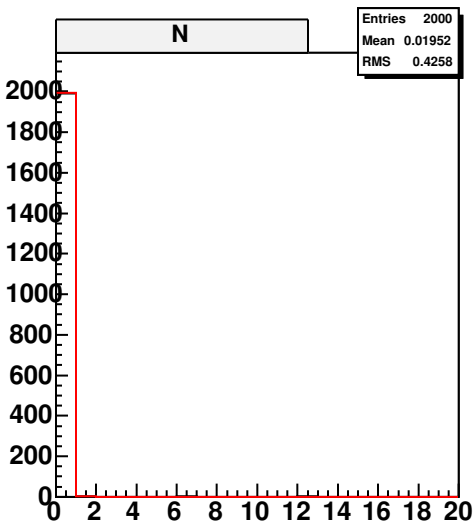

Layer vs Octant Famus N

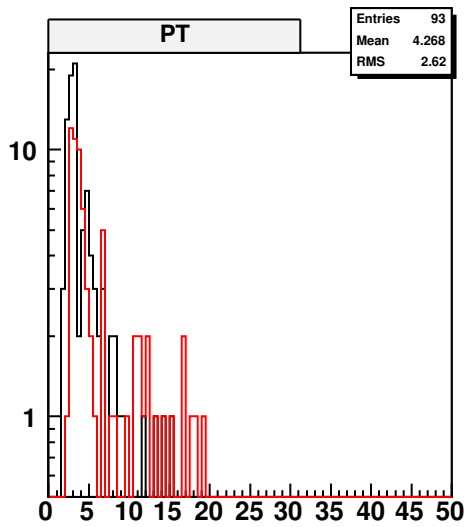

Layer vs Octant Famus S

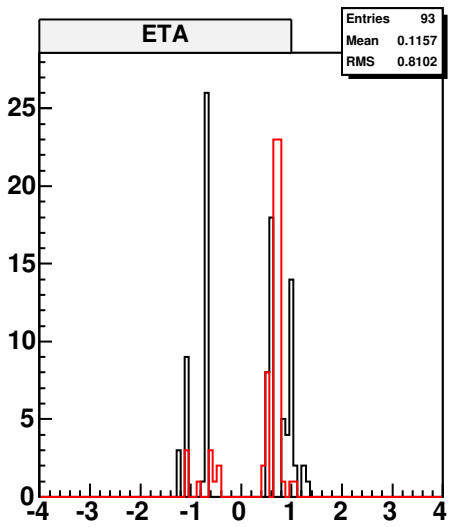
MuonMSC (All)

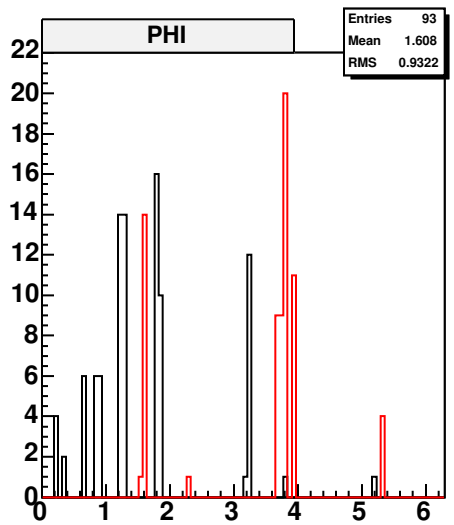


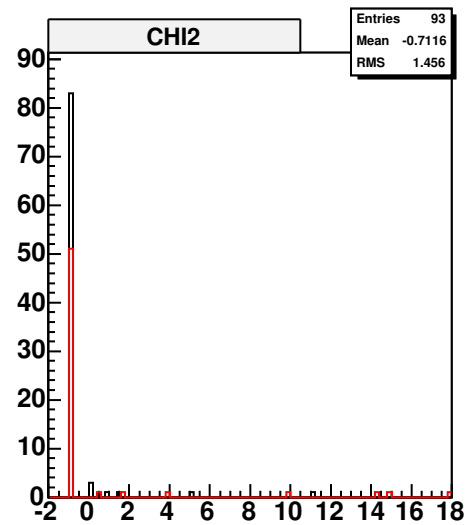
Muon Local Tracks (All)

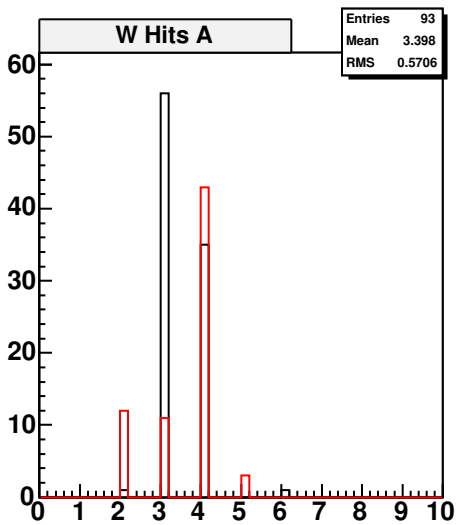


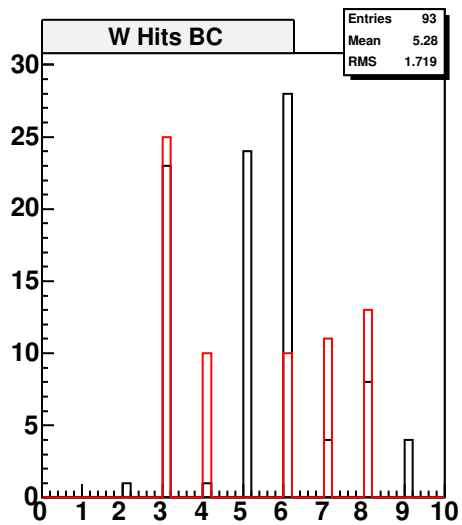


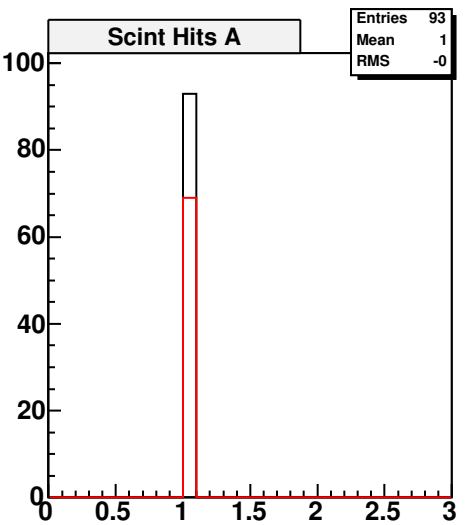


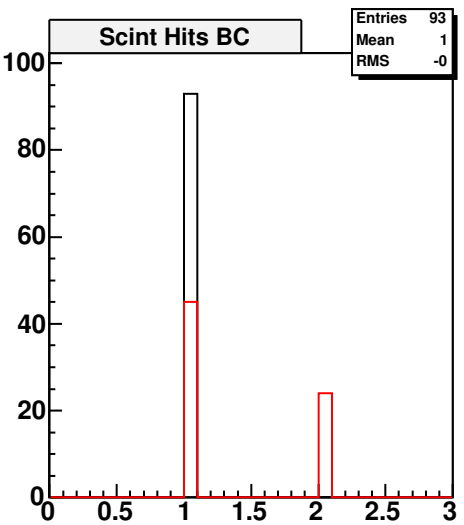




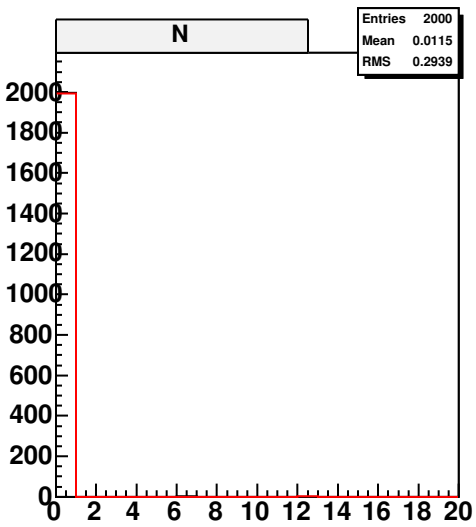


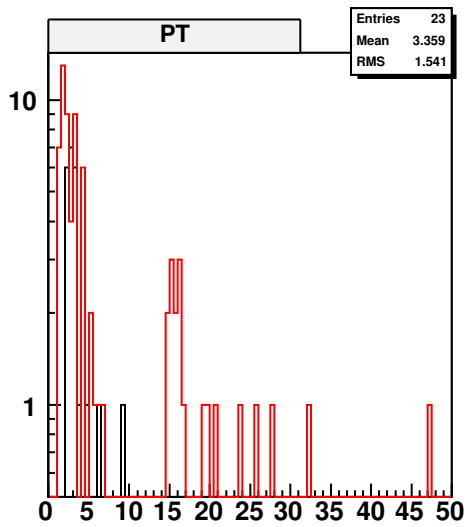


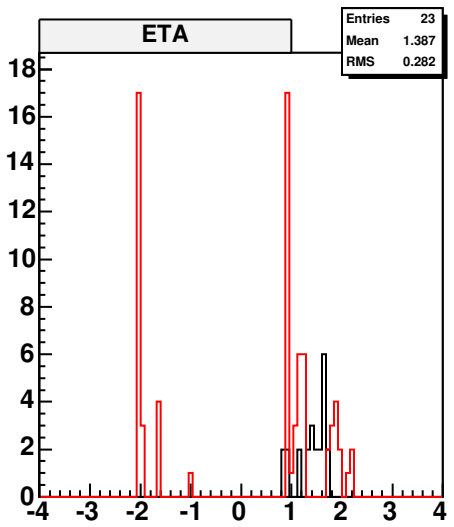


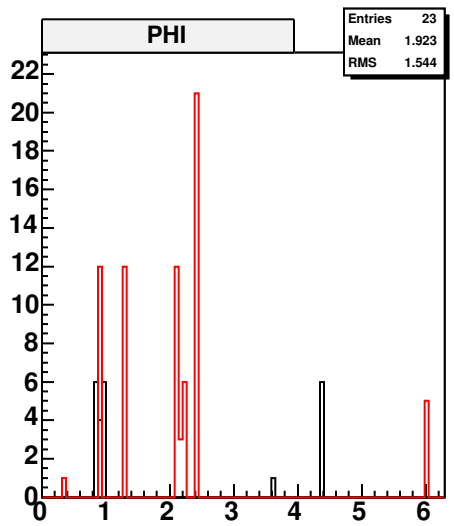


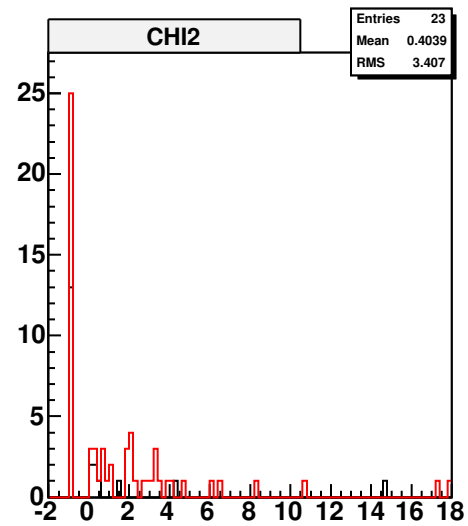
Muon Local Tracks (MediumWamus)

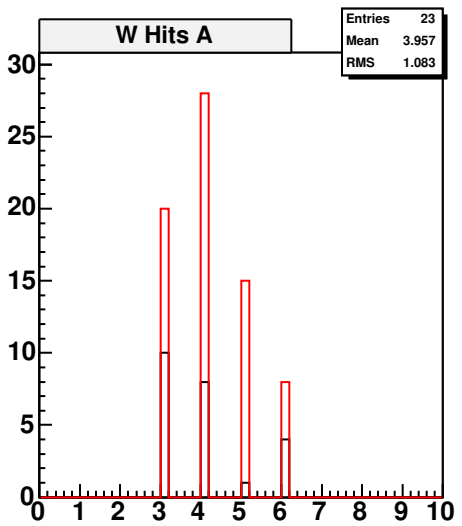


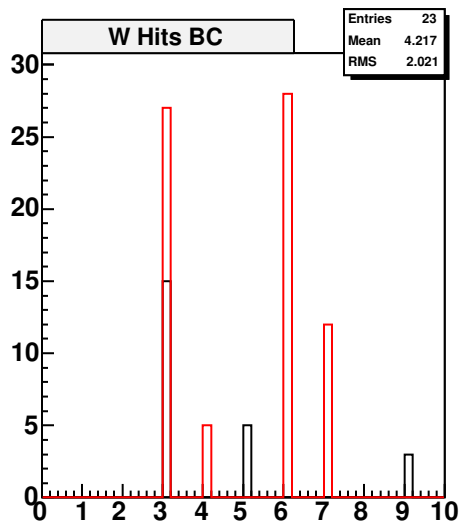


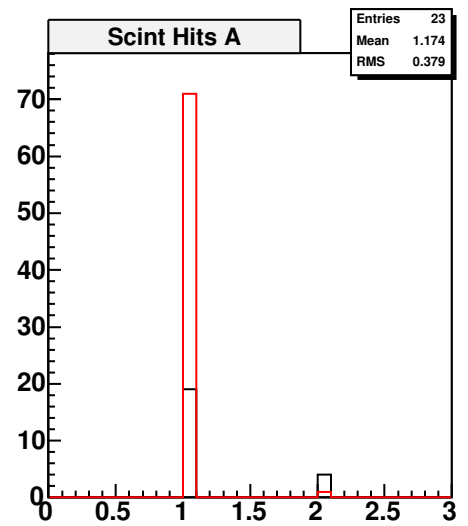


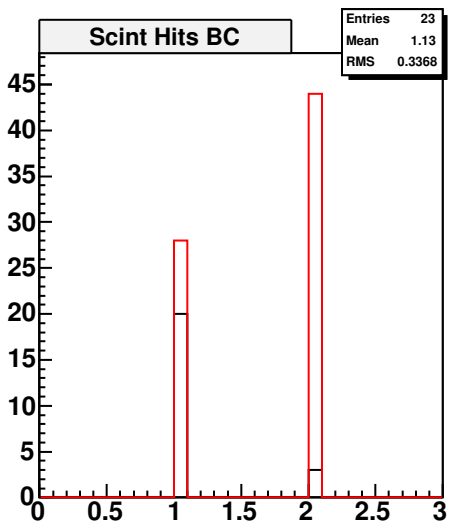




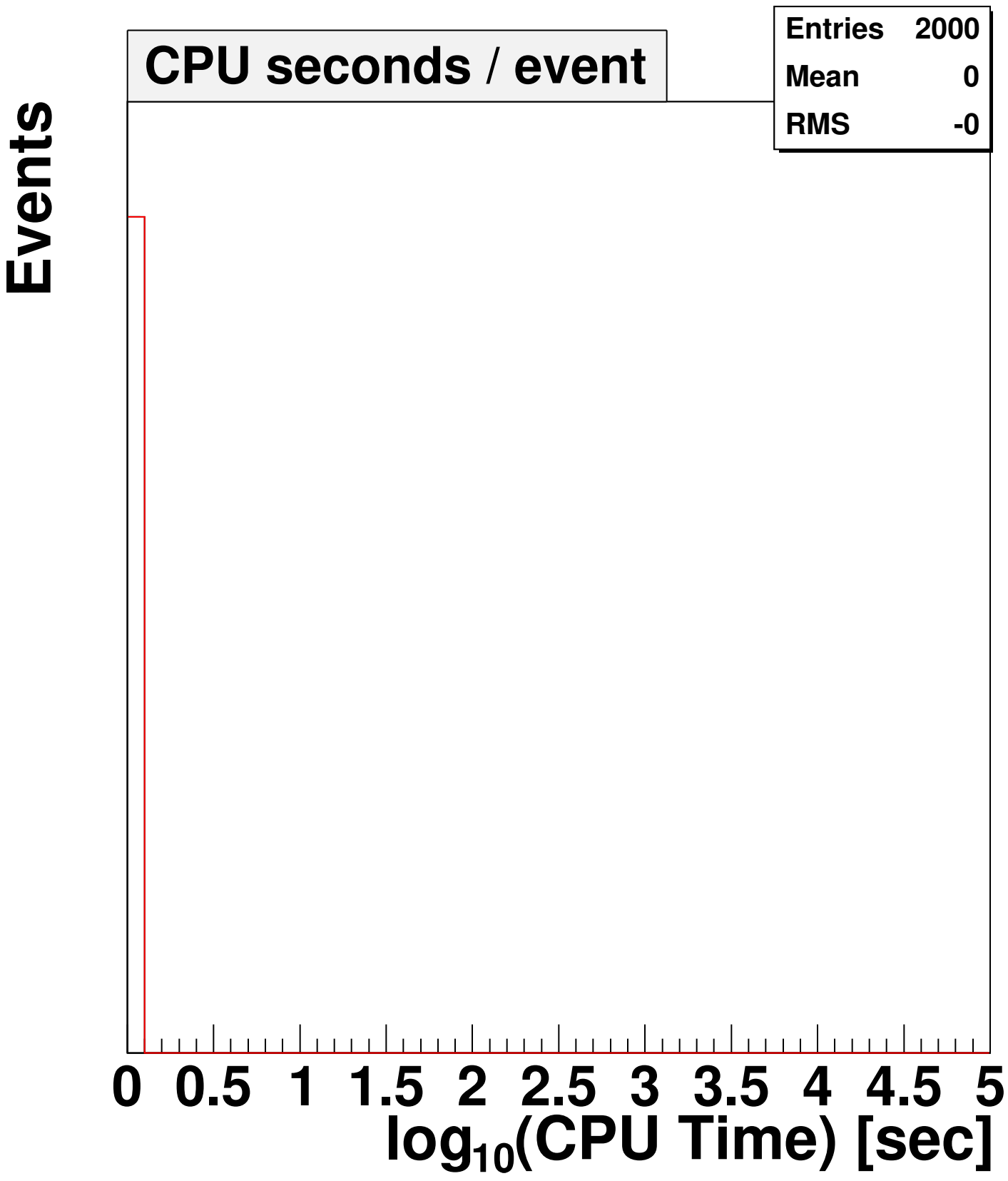








Muon Local Tracks (MediumFamus)



RECO Performance (Timing)