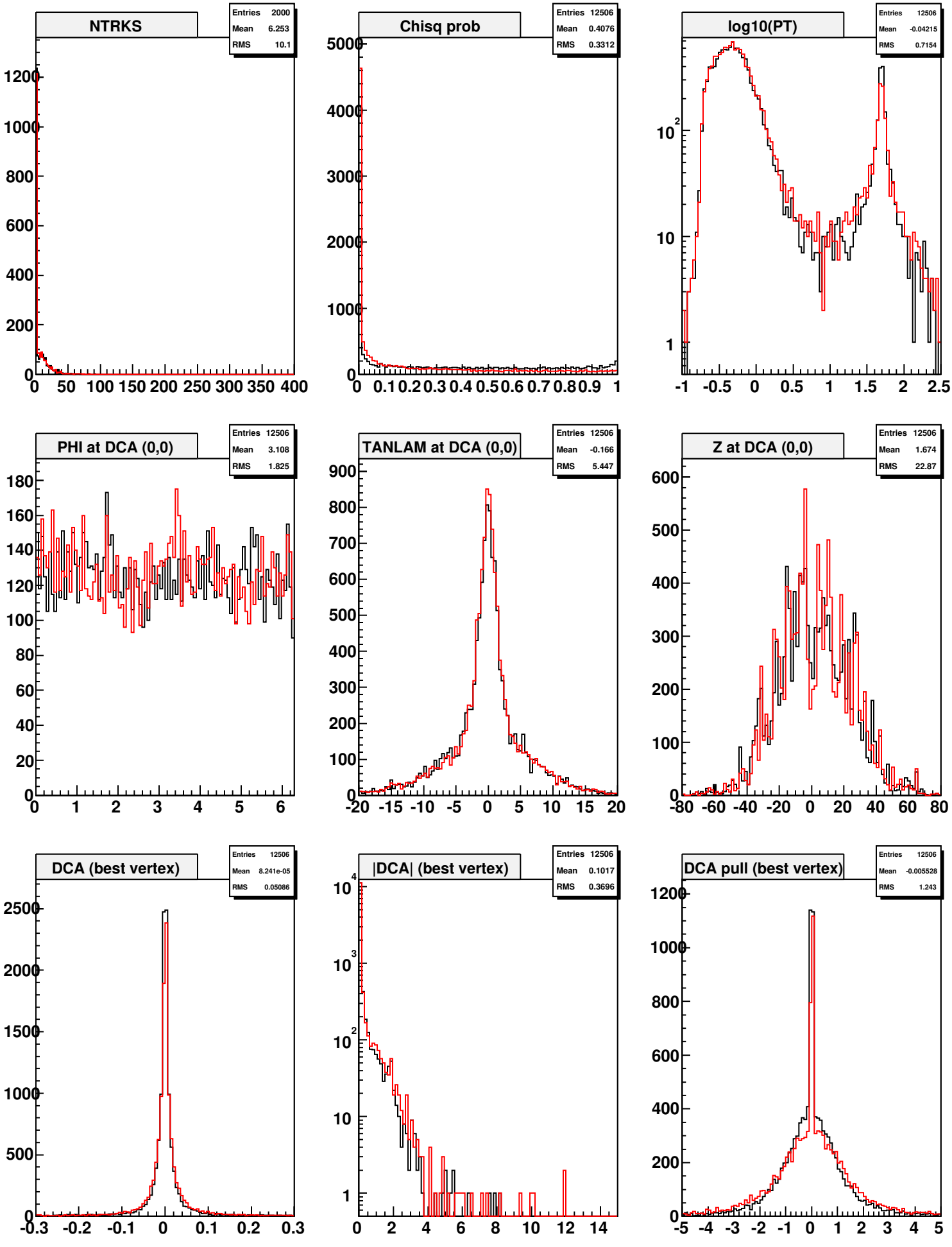
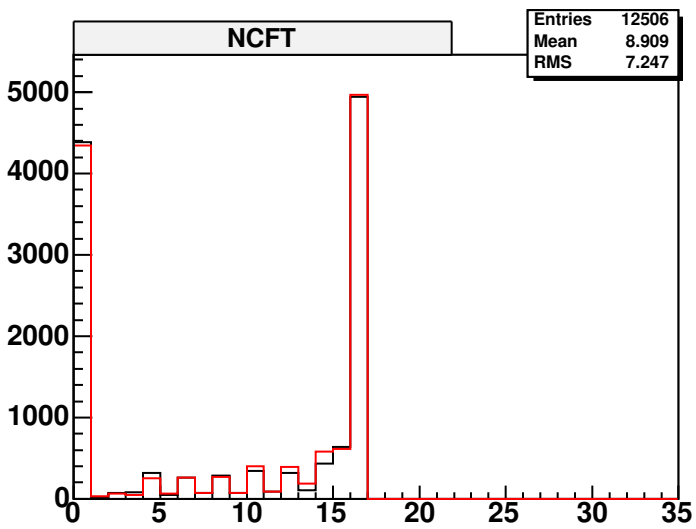
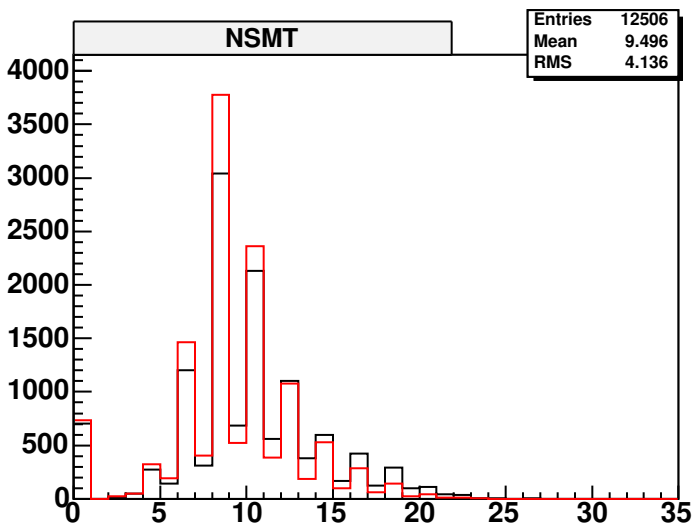
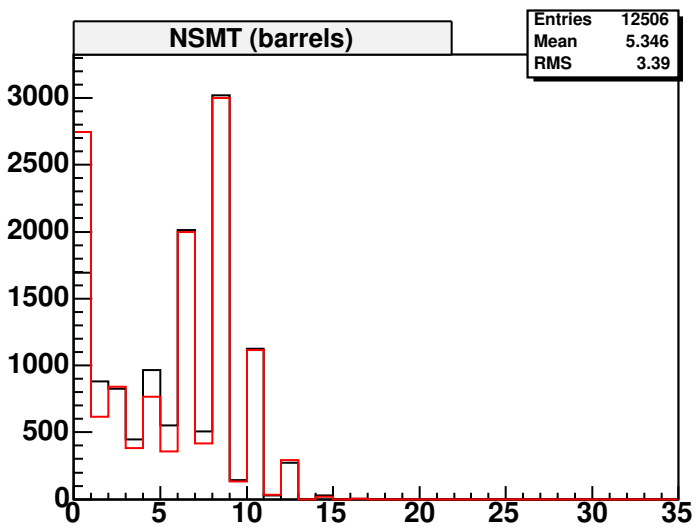
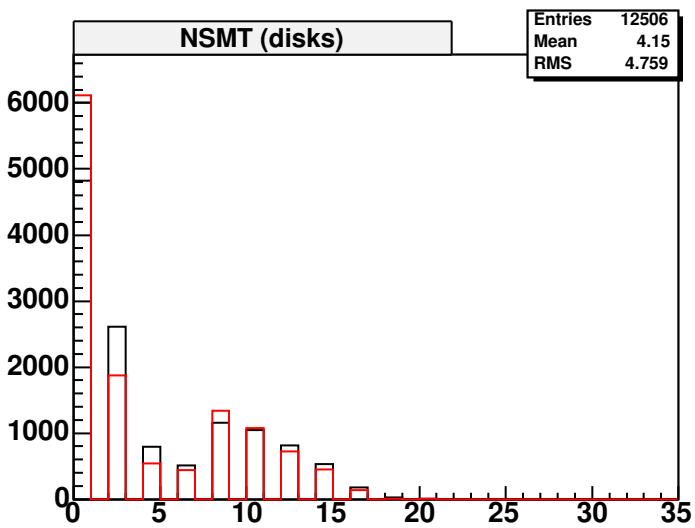

NTRKS
Entries 2000
Mean 6.253
RMS 10.1
Chisq prob
Entries 12506
Mean 0.4076
RMS 0.3312
log10(PT)
Entries 12506
Mean -0.04215
RMS 0.7154
PHI at DCA (0,0)
Entries 12506
Mean 3.108
RMS 1.825
TANLAM at DCA (0,0)
Entries 12506
Mean -0.166
RMS 5.447
Z at DCA (0,0)
Entries 12506
Mean 1.674
RMS 22.87
DCA (best vertex)
Entries 12506
Mean 8.241e-05
RMS 0.05086
|DCA| (best vertex)
Entries 12506
Mean 0.1017
RMS 0.3696
DCA pull (best vertex)
Entries 12506
Mean -0.005528
RMS 1.243

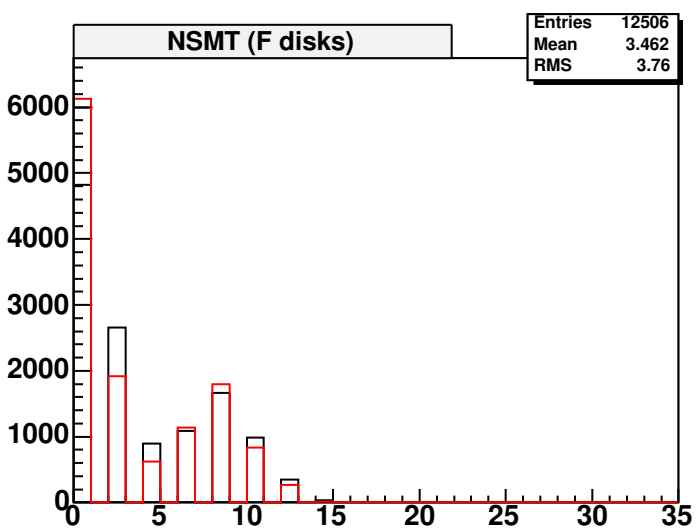
Tracks (All)

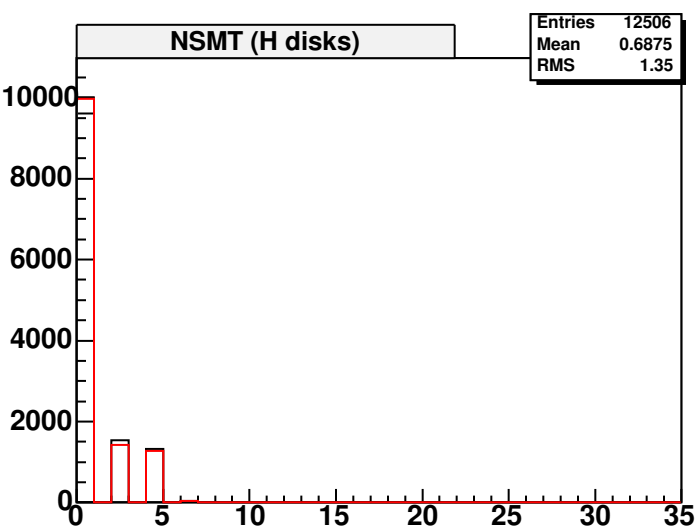




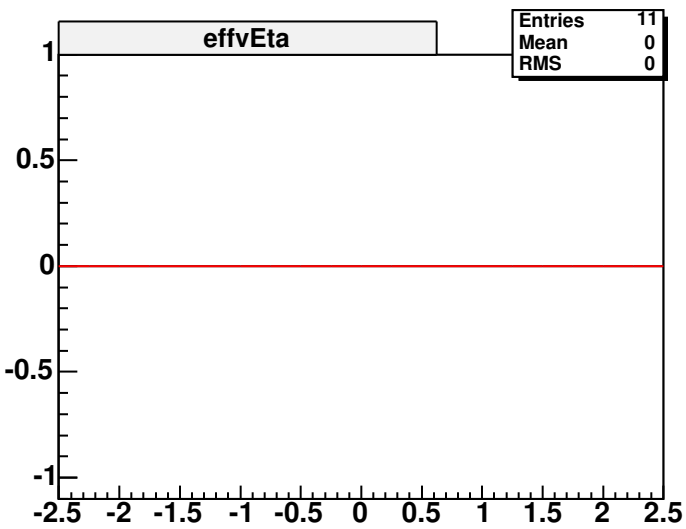


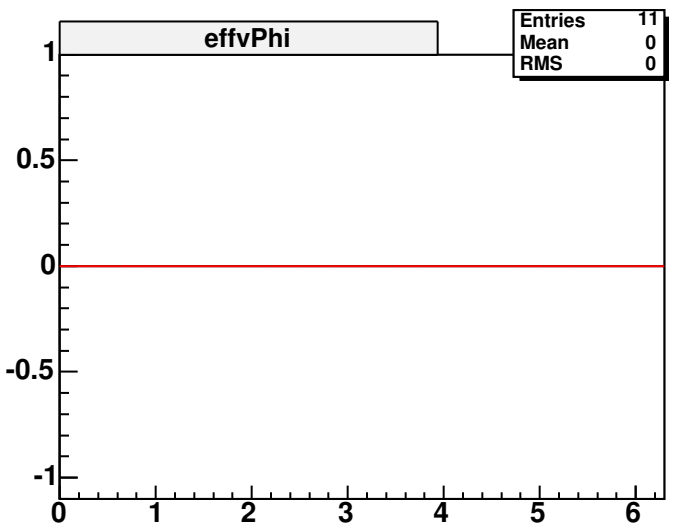


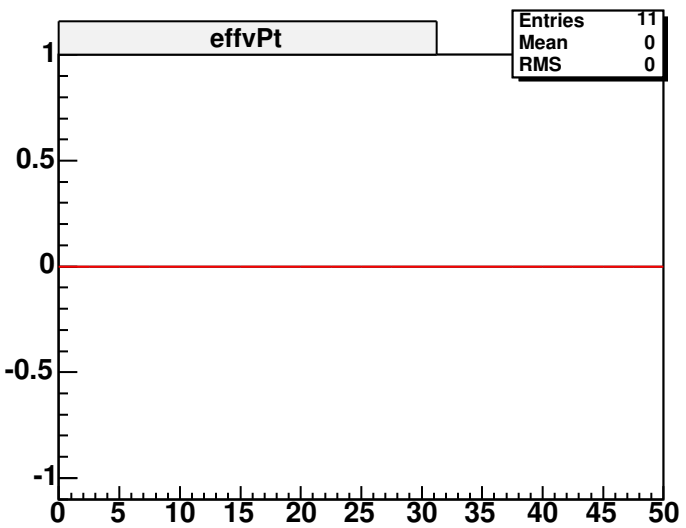


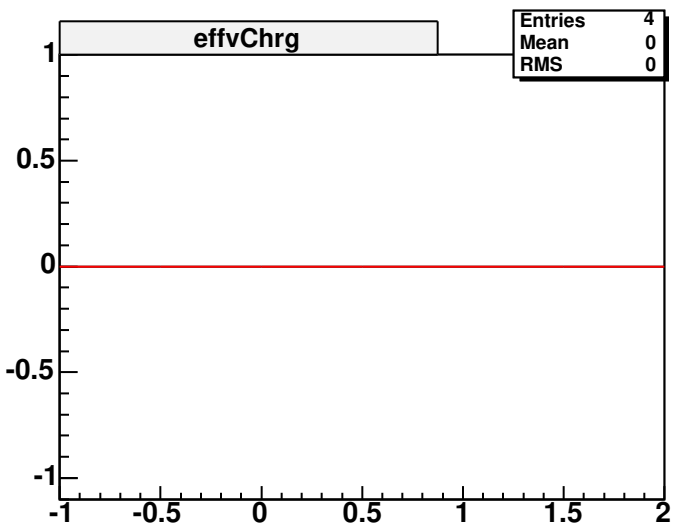


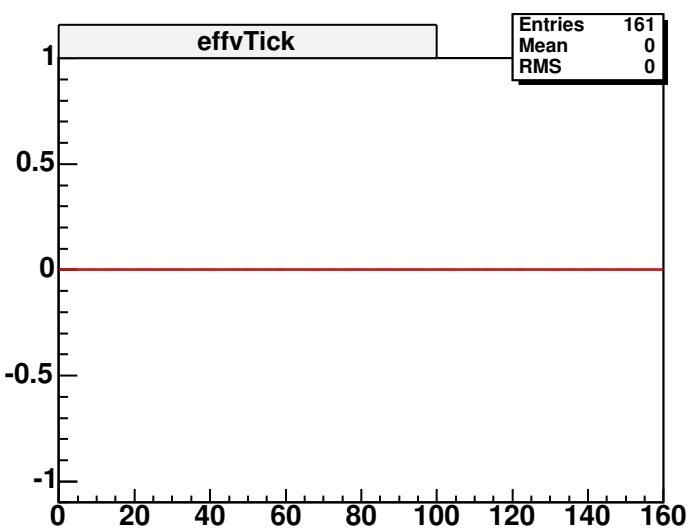
Track Hits (All)

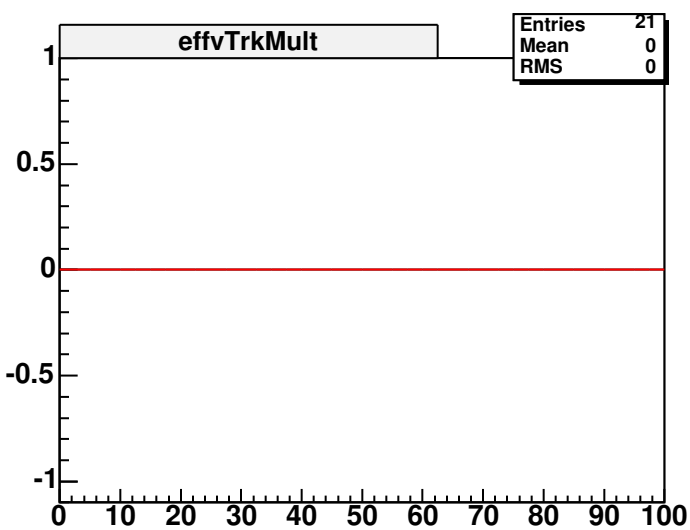




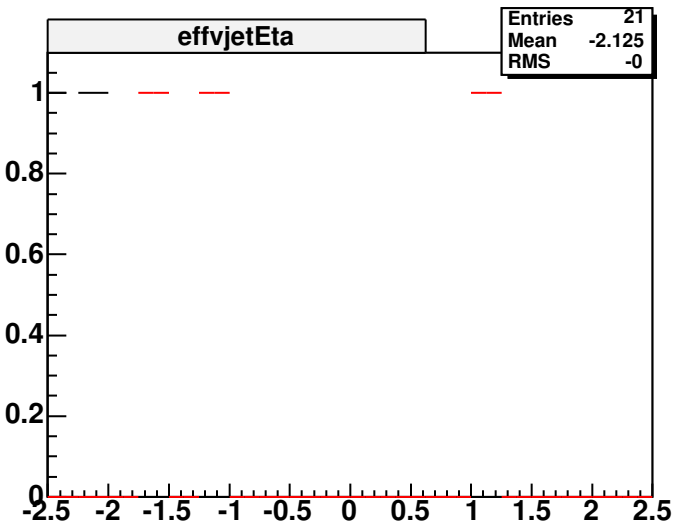


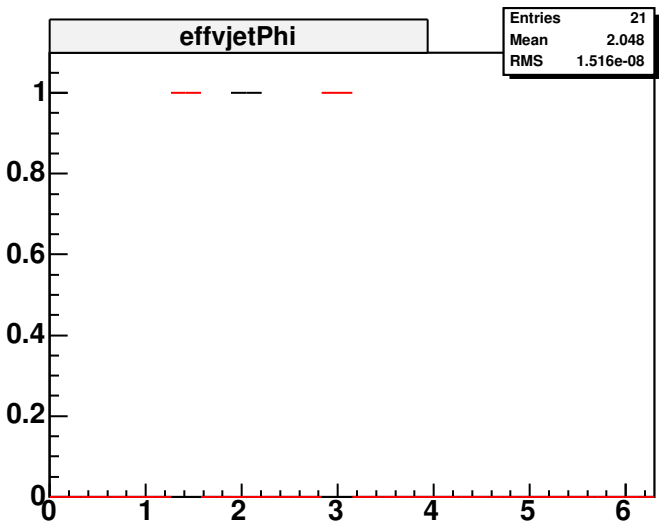


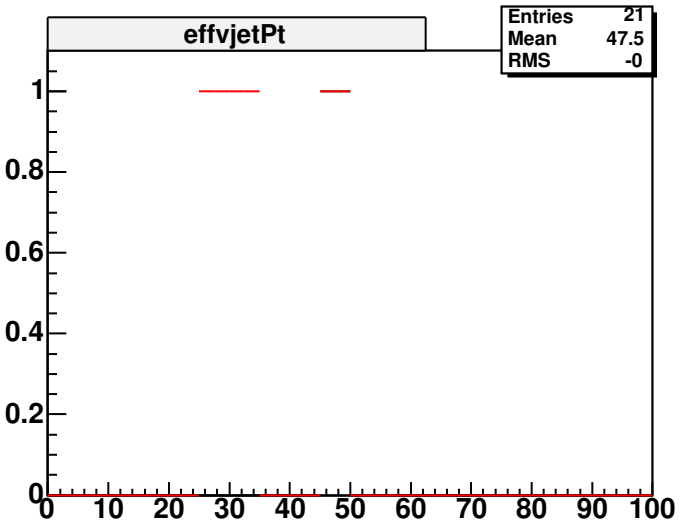


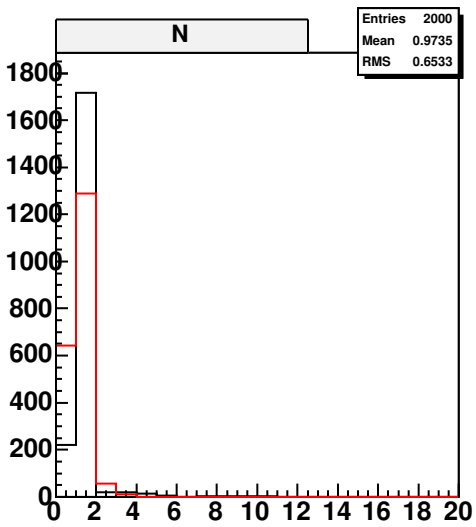


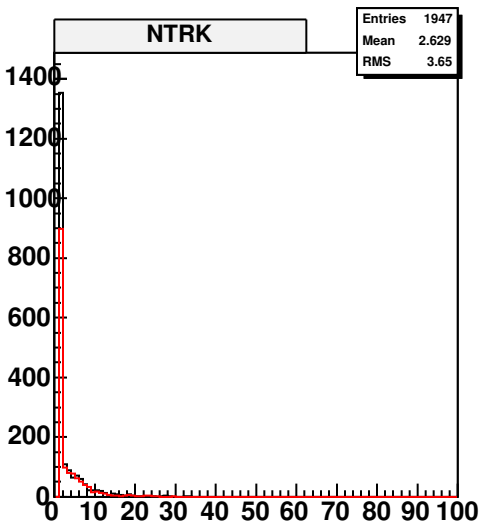
Tracking (Efficiency-Isolated)

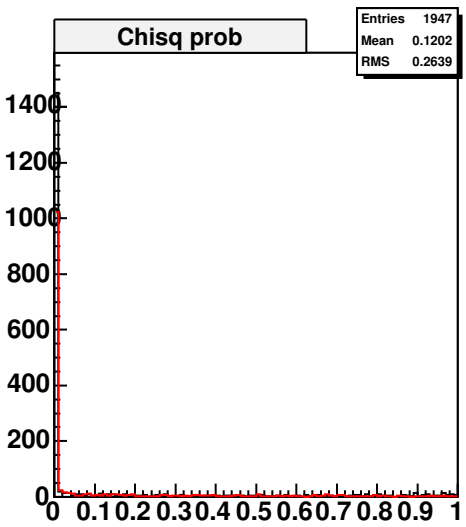

effvjetEta
Entries 21
Mean -2.125
RMS -0
1
0.8
0.6
0.4
0.2
0
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

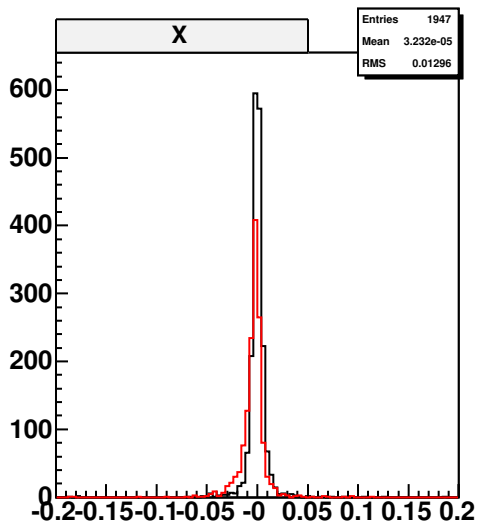

effvjetPhi
Entries 21
Mean 2.048
RMS 1.516e-08
1
0.8
0.6
0.4
0.2
0
0 1 2 3 4 5 6

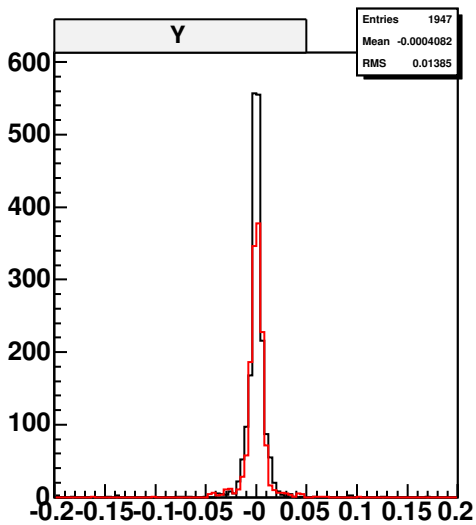

effvjetPt
Entries 21
Mean 47.5
RMS -0
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

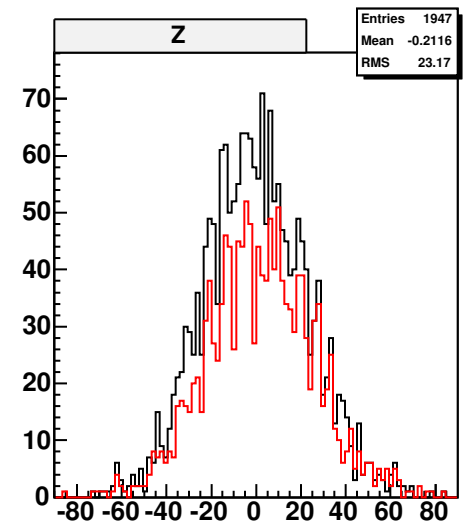


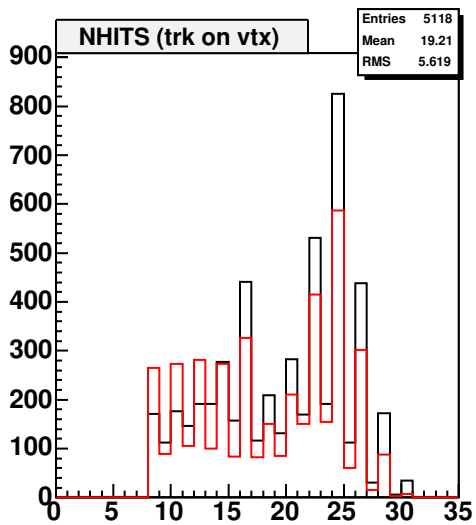


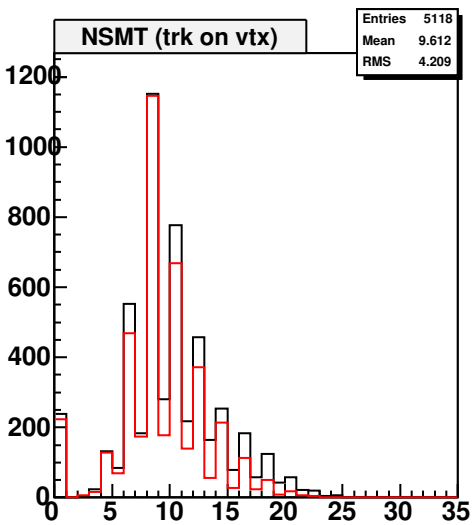


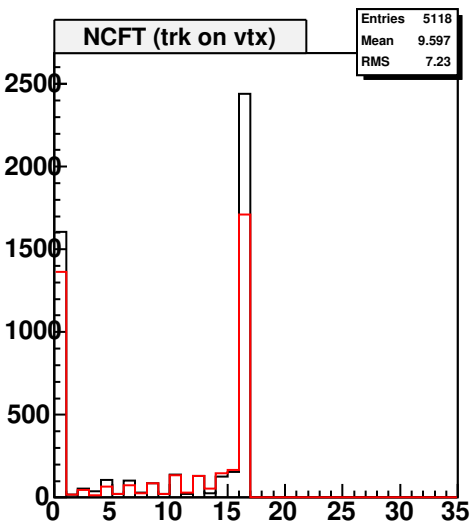




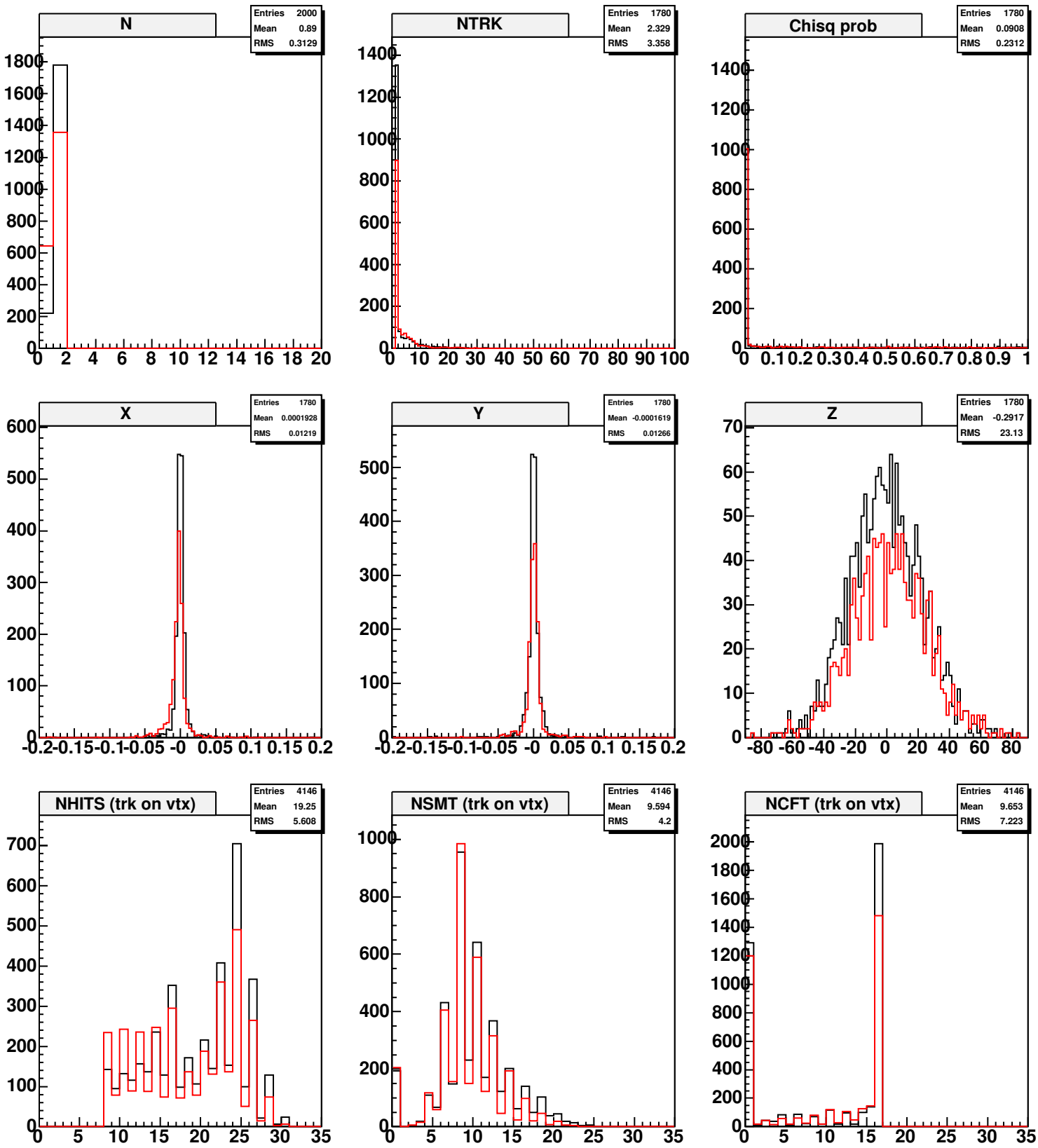




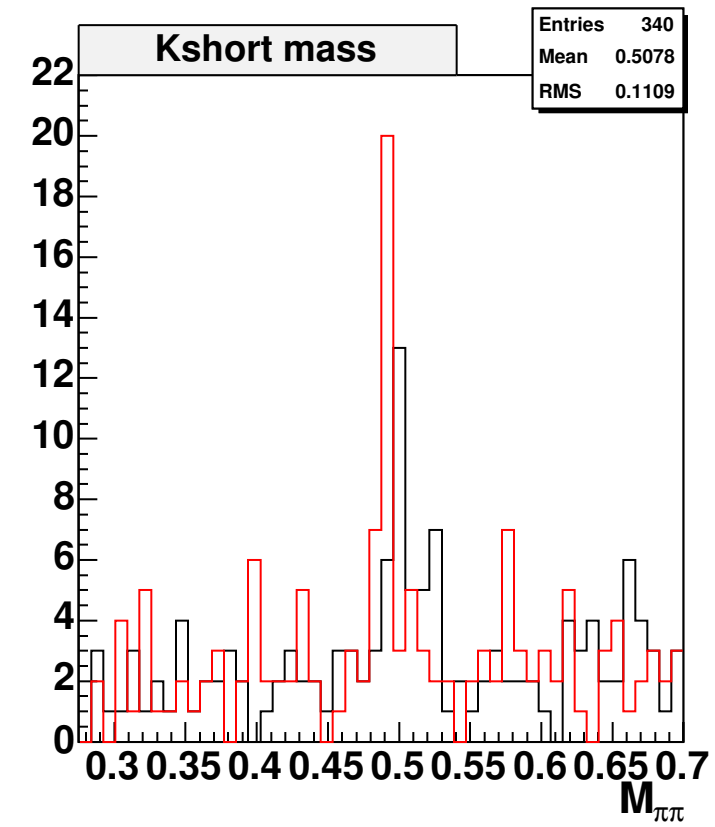


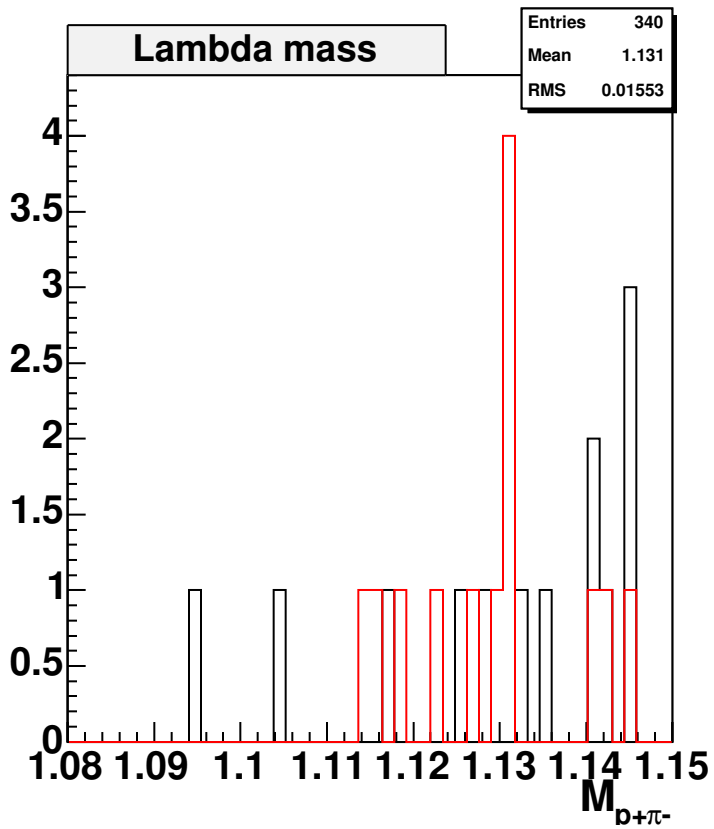


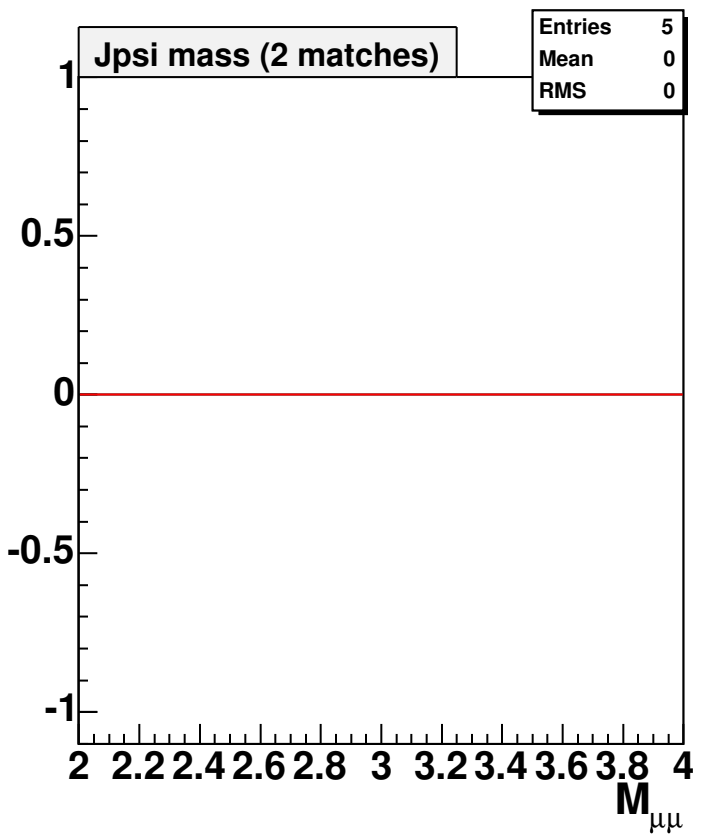
Vertices (Primary - all candidates)

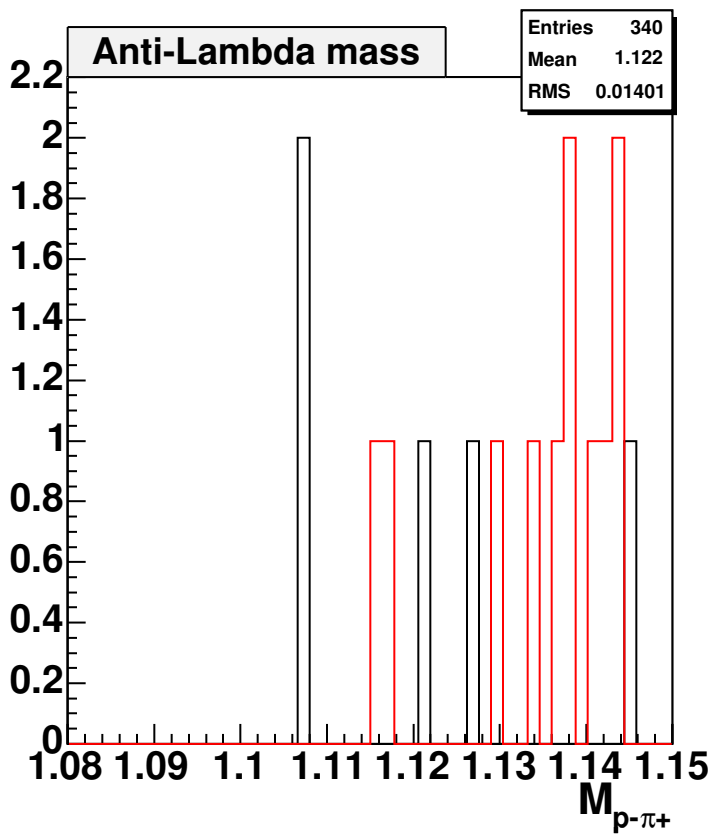


Vertices (Primary - best)

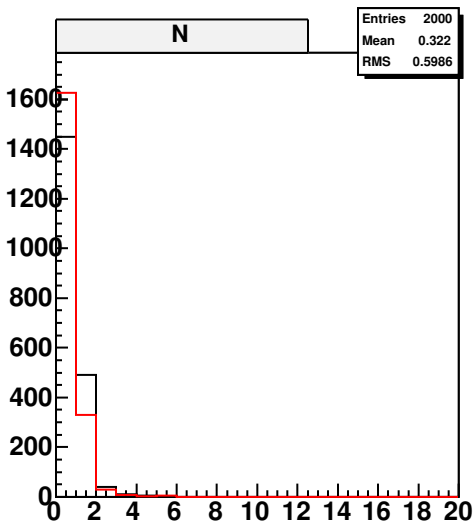

Kshort mass
Entries 340
Mean 0.5078
RMS 0.1109
$M_{\pi\pi}$

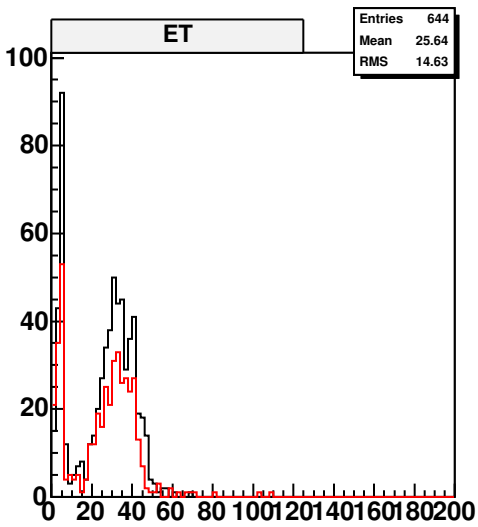

Lambda mass
Entries 340
Mean 1.131
RMS 0.01553
$M_{p+\pi-}$

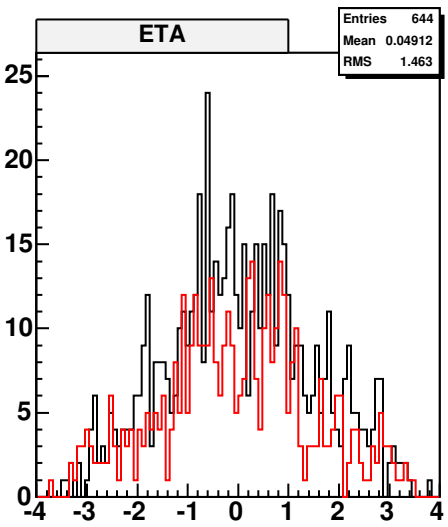

Jpsi mass (2 matches)
Entries 5
Mean 0
RMS 0
$M_{\mu\mu}$

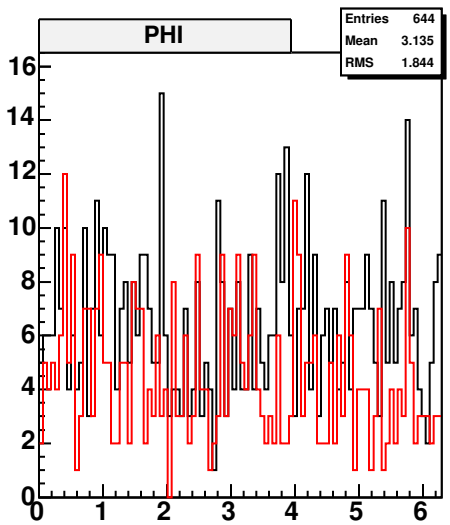

Anti-Lambda mass
Entries 340
Mean 1.122
RMS 0.01401
$M_{p-\pi+}$

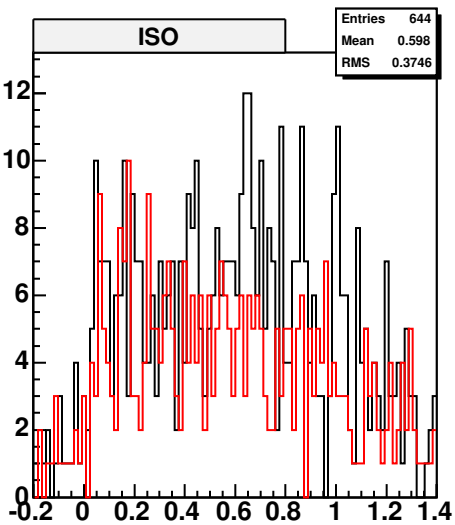
V0 (All)

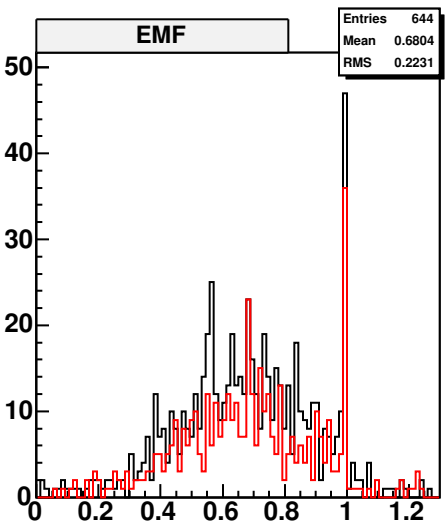


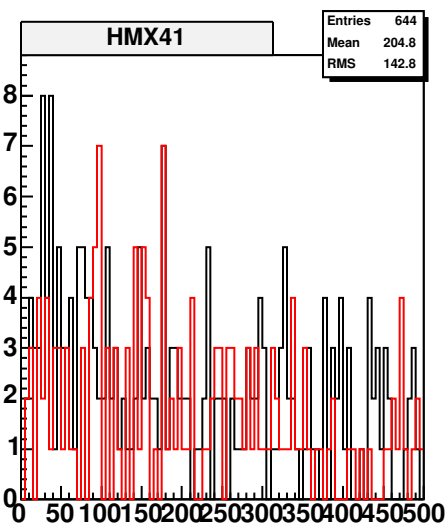


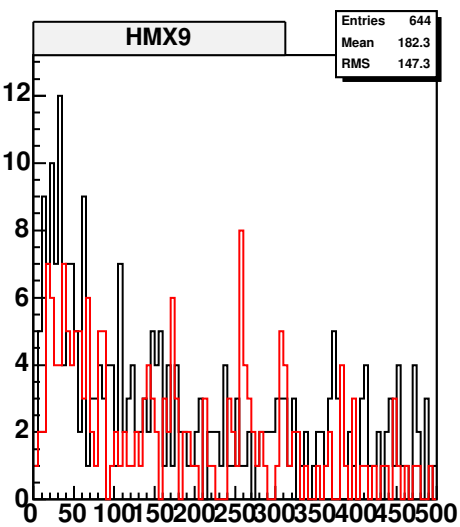


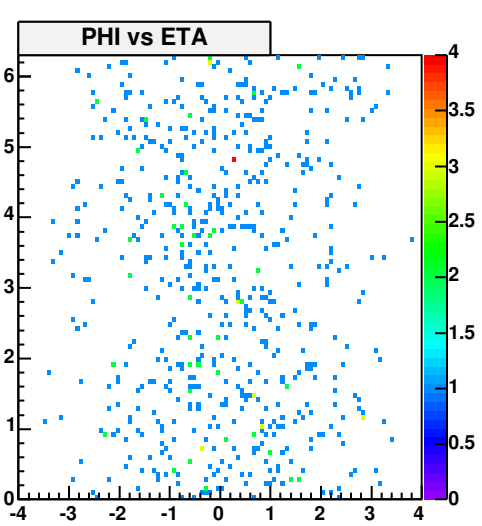




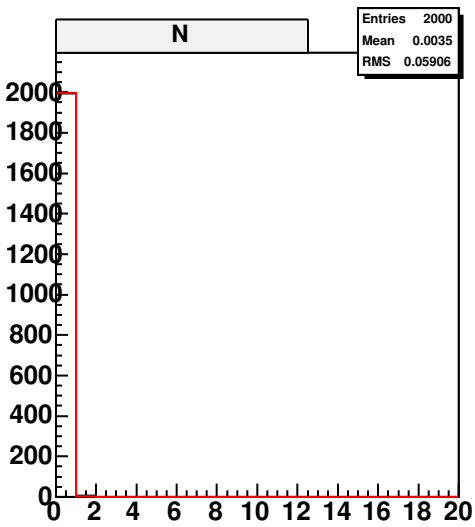


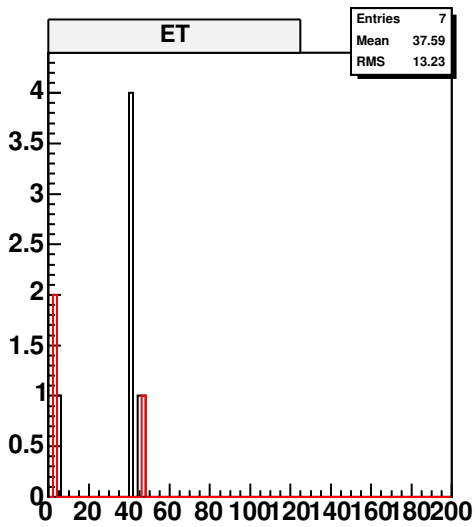


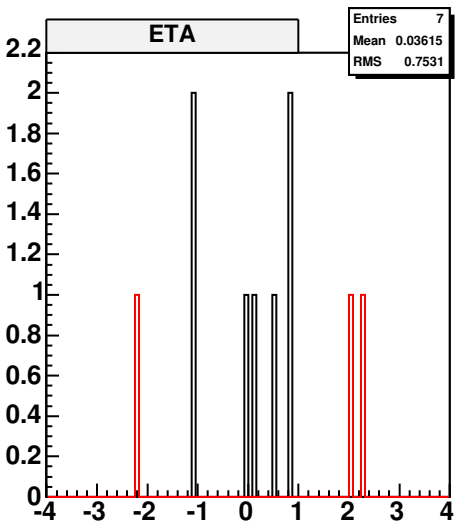


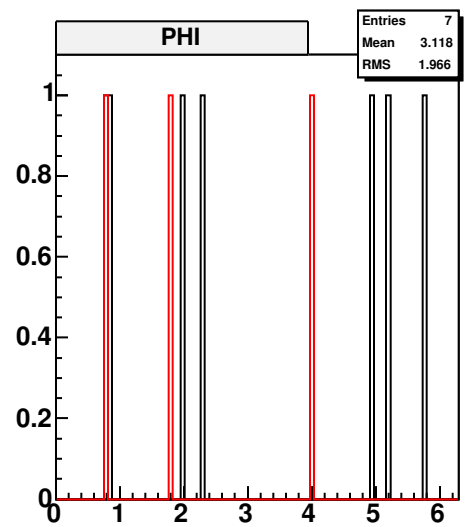


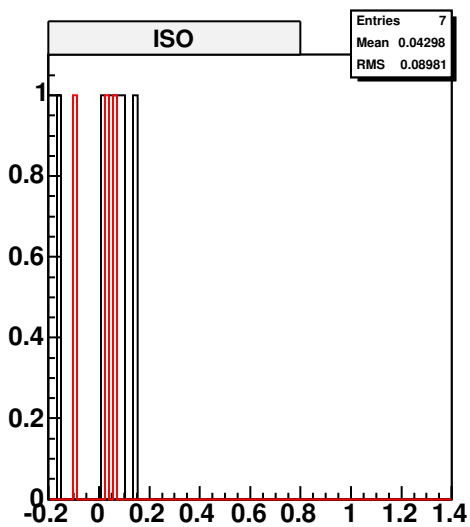
Electrons (SCONE All)

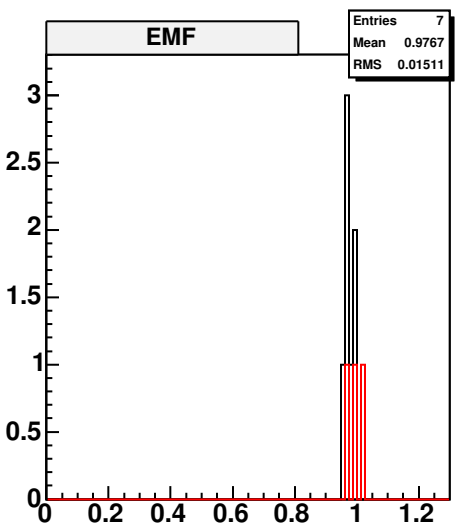


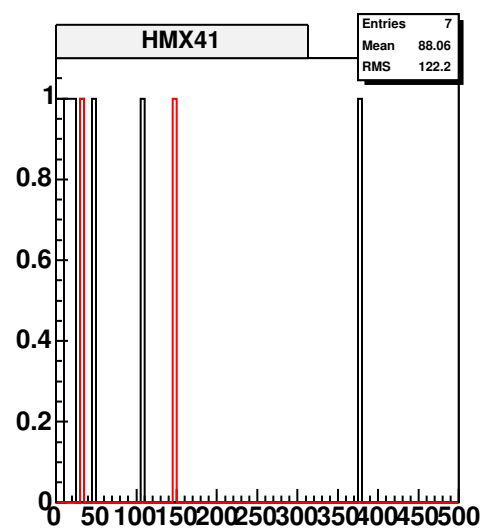


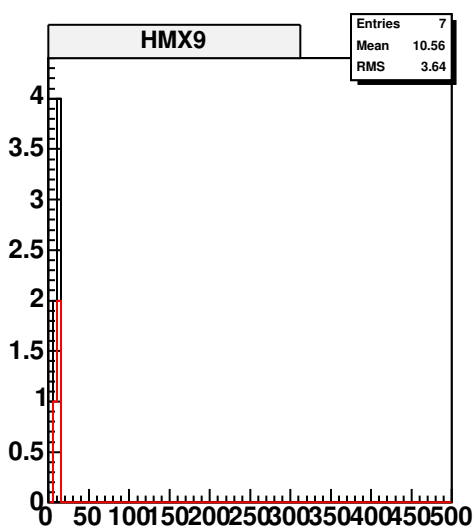


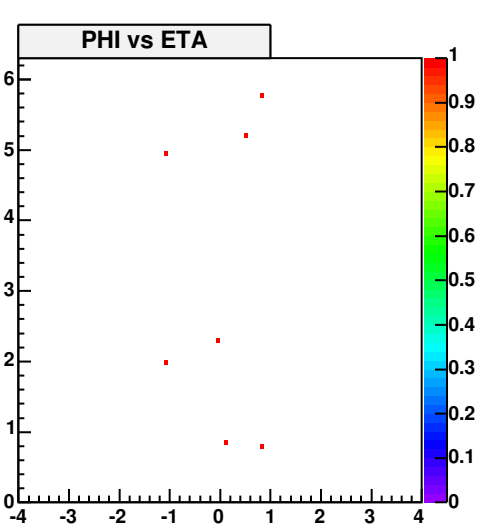




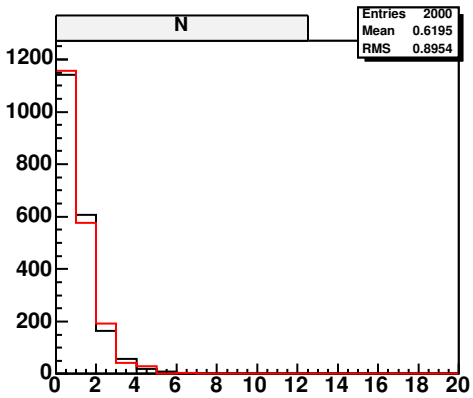


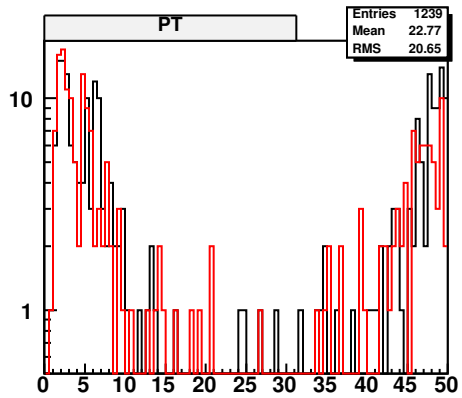


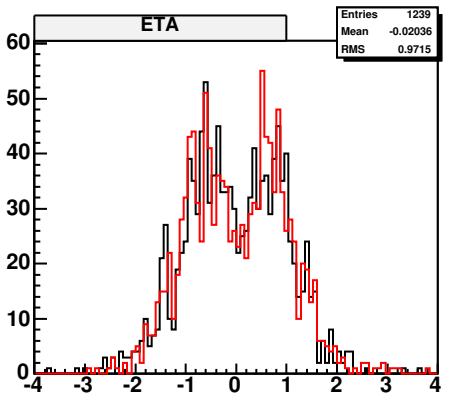


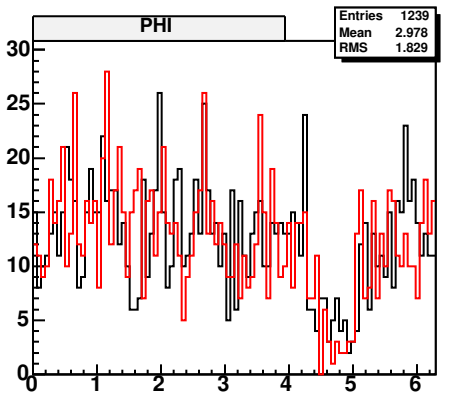


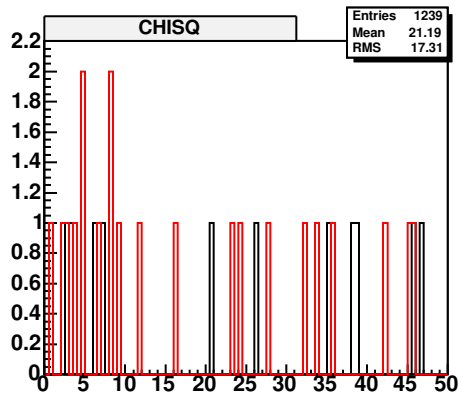
Electrons (SCONE Tight)

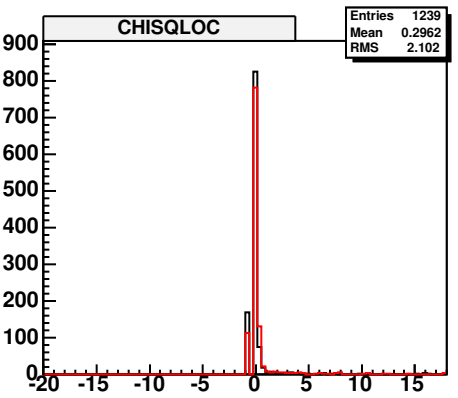

N
Entries 2000
Mean 0.6195
RMS 0.8954

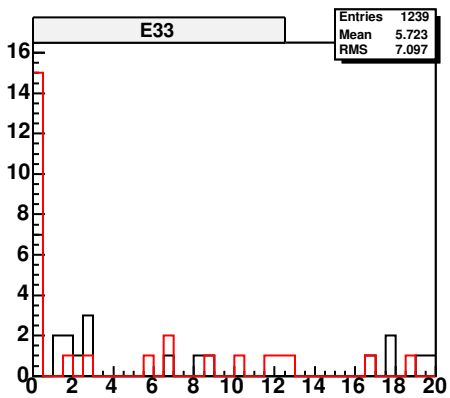

PT
Entries 1239
Mean 22.77
RMS 20.65

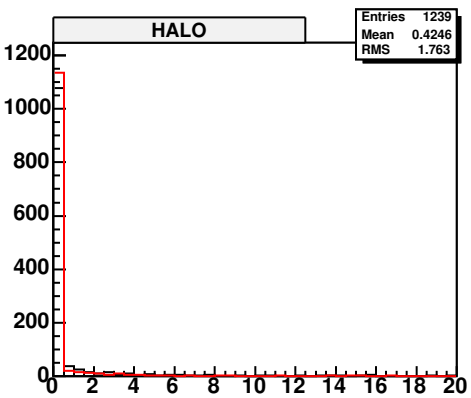

ETA
Entries 1239
Mean -0.02036
RMS 0.9715

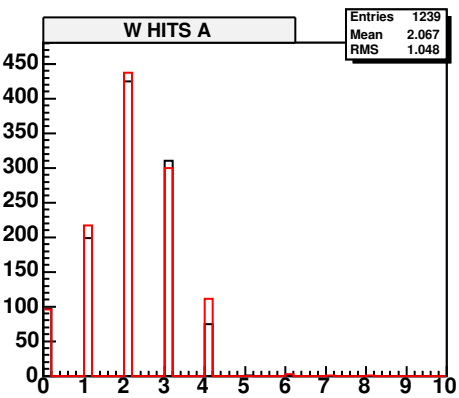

PHI
Entries 1239
Mean 2.978
RMS 1.829

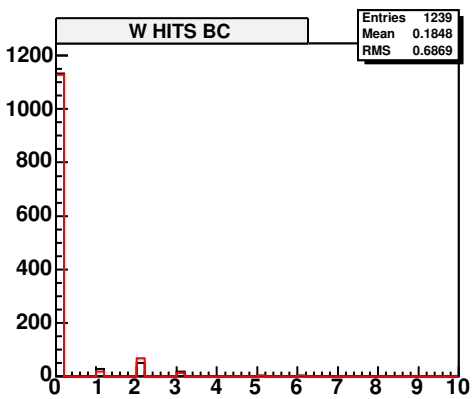

CHISQ
Entries 1239
Mean 21.19
RMS 17.31

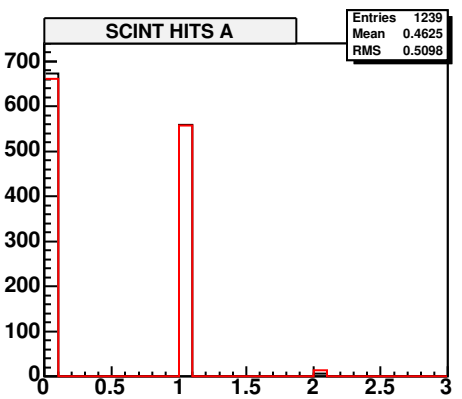

CHISQLOC
Entries 1239
Mean 0.2962
RMS 2.102

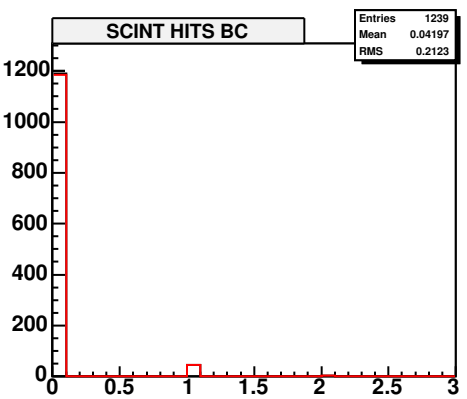

E33
Entries 1239
Mean 5.723
RMS 7.097


HALO
Entries 1239
Mean 0.4246
RMS 1.763

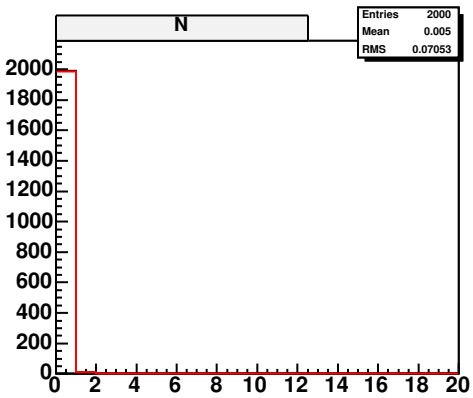

W HITS A
Entries 1239
Mean 2.067
RMS 1.048

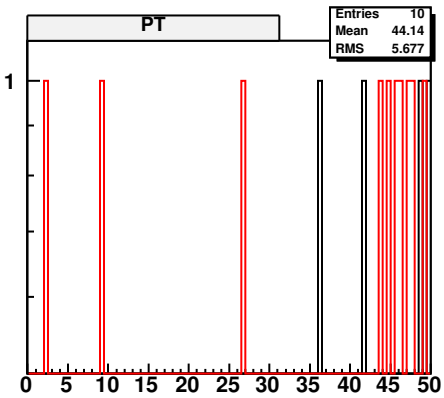

W HITS BC
Entries 1239
Mean 0.1848
RMS 0.6869

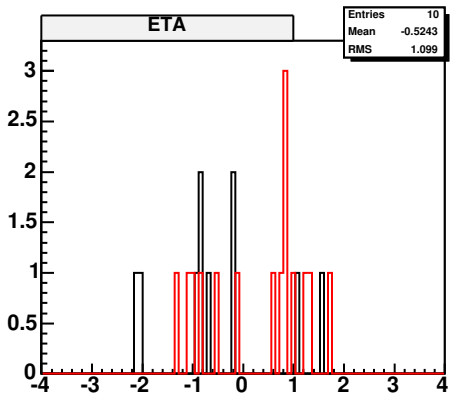

SCINT HITS A
Entries 1239
Mean 0.4625
RMS 0.5098

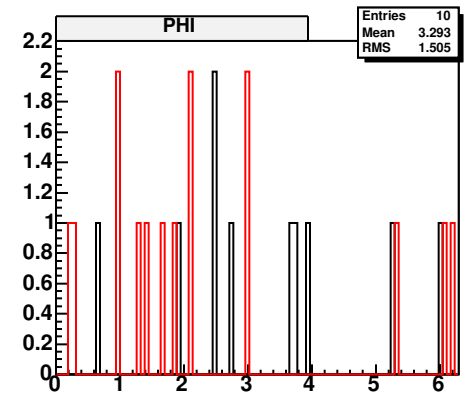

SCINT HITS BC
Entries 1239
Mean 0.04197
RMS 0.2123

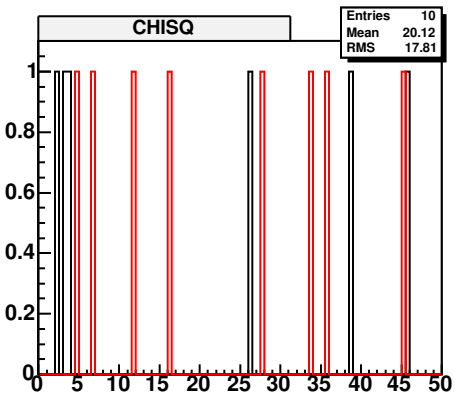
Muons (All)

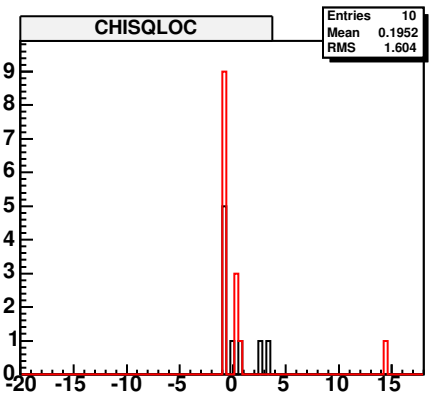


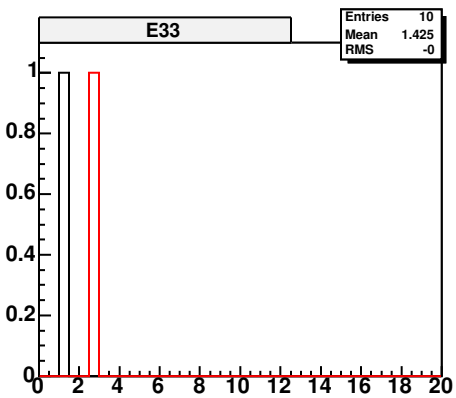


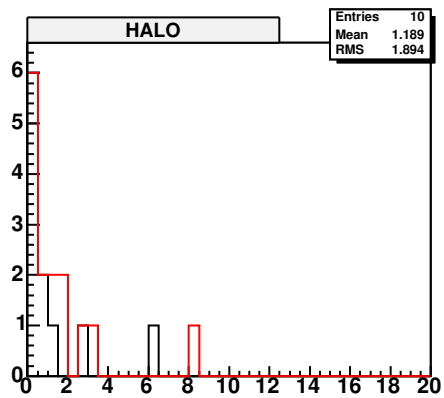


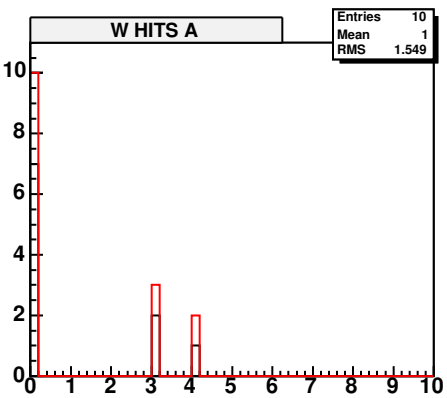


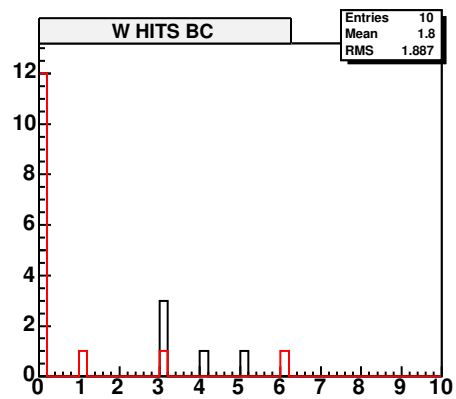


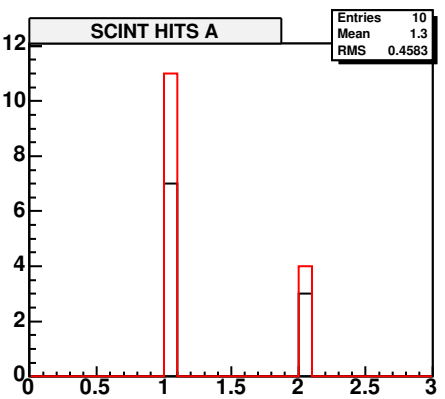


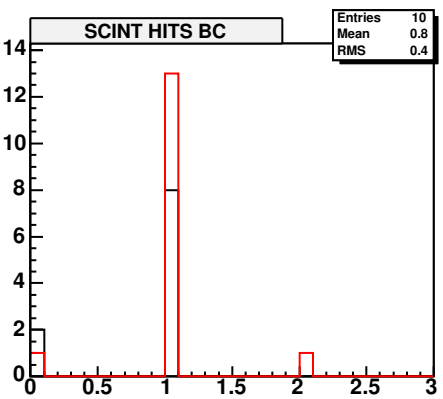




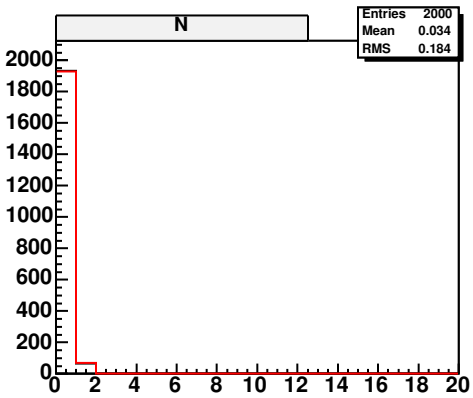


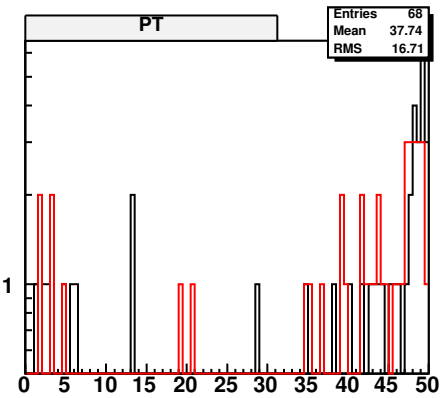


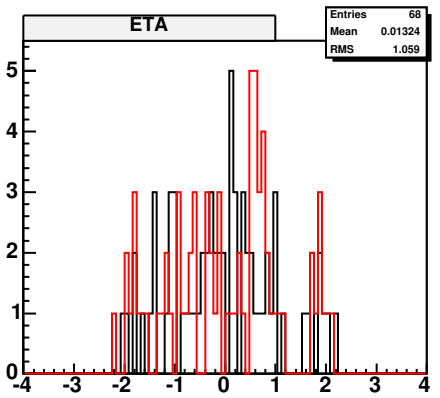


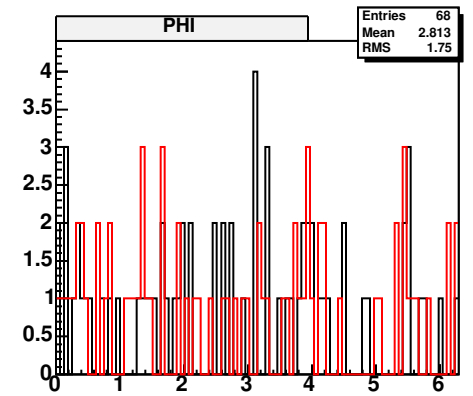


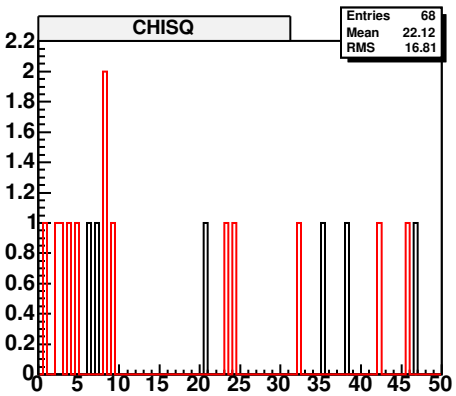
Muons (Matched)

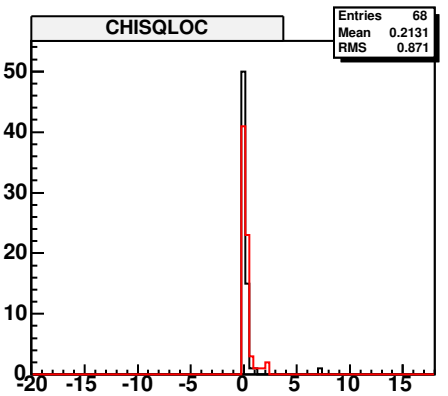

N
Entries 2000
Mean 0.034
RMS 0.184

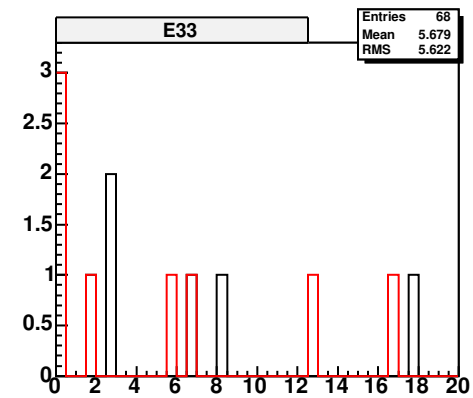

PT
Entries 68
Mean 37.74
RMS 16.71

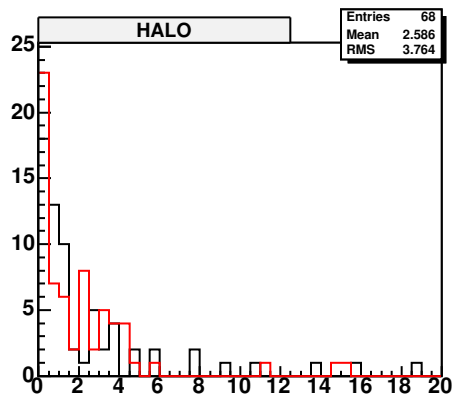

ETA
Entries 68
Mean 0.01324
RMS 1.059

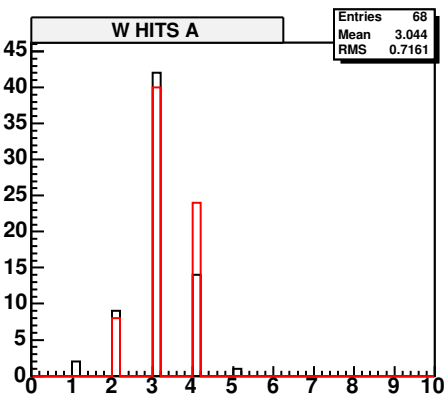

PHI
Entries 68
Mean 2.813
RMS 1.75

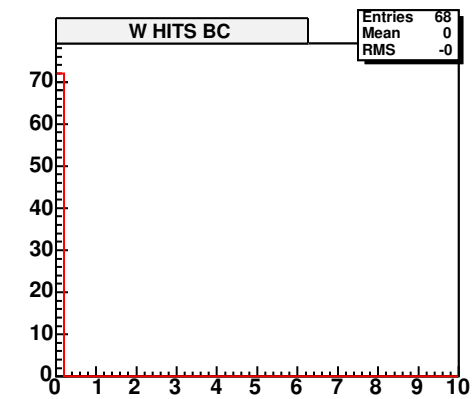

CHISQ
Entries 68
Mean 22.12
RMS 16.81

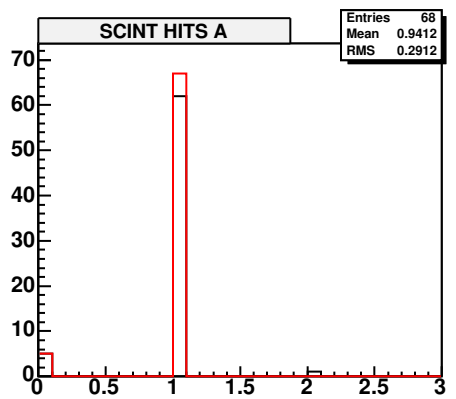

CHISQLOC
Entries 68
Mean 0.2131
RMS 0.871

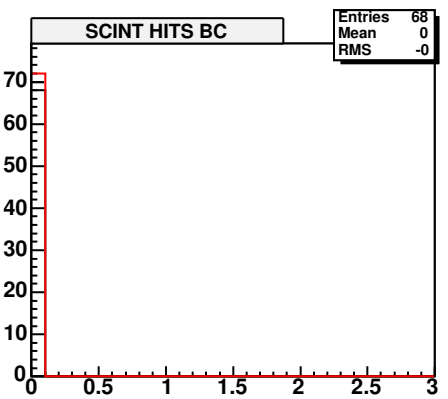

E33
Entries 68
Mean 5.679
RMS 5.622


HALO
Entries 68
Mean 2.586
RMS 3.764

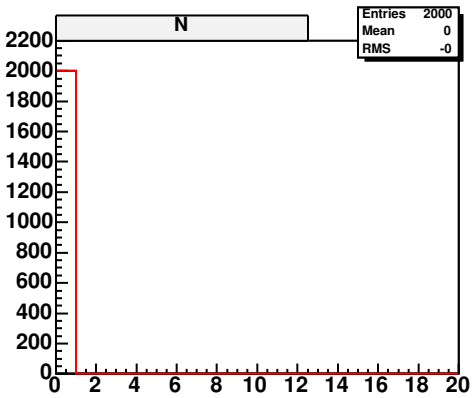

W HITS A
Entries 68
Mean 3.044
RMS 0.7161

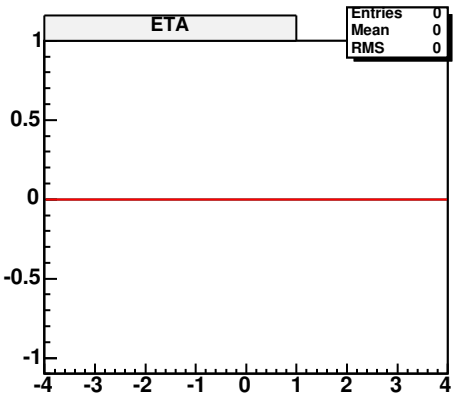

W HITS BC
Entries 68
Mean 0
RMS -0

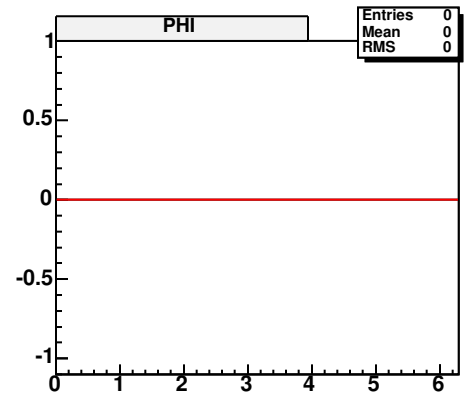

SCINT HITS A
Entries 68
Mean 0.9412
RMS 0.2912

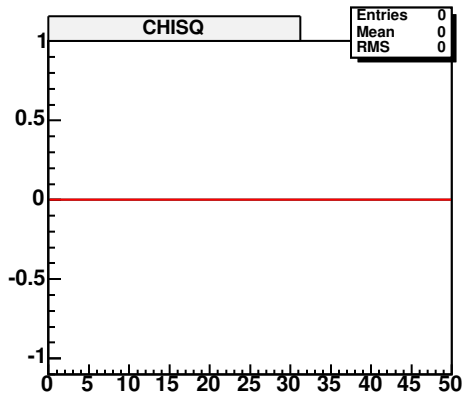

SCINT HITS BC
Entries 68
Mean 0
RMS -0

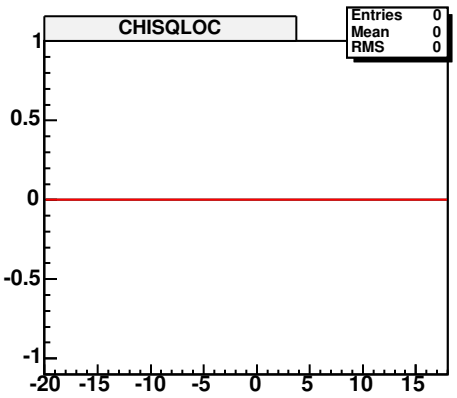
Muons (Astub)

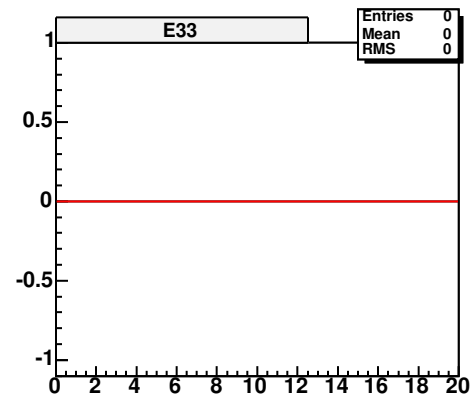


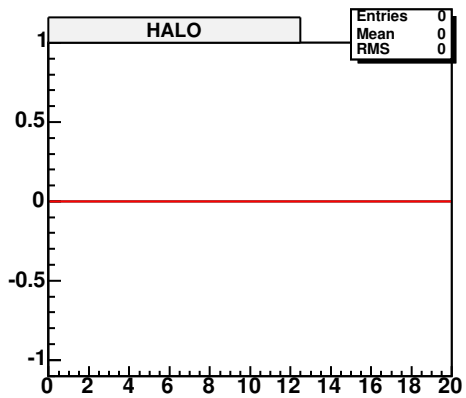


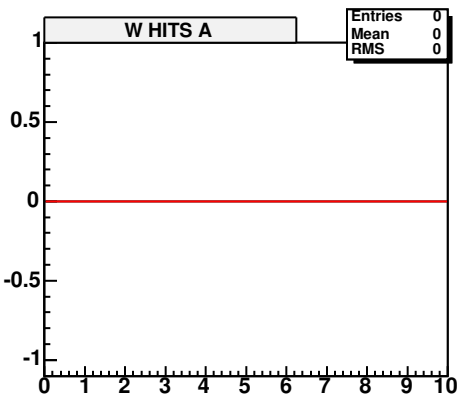


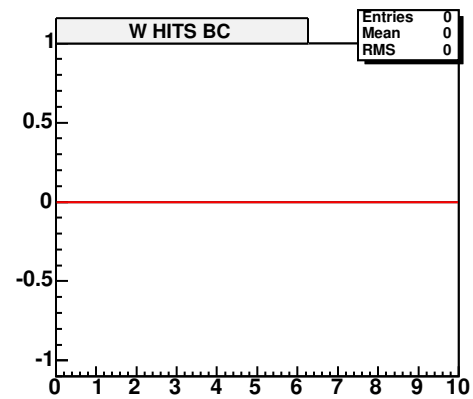


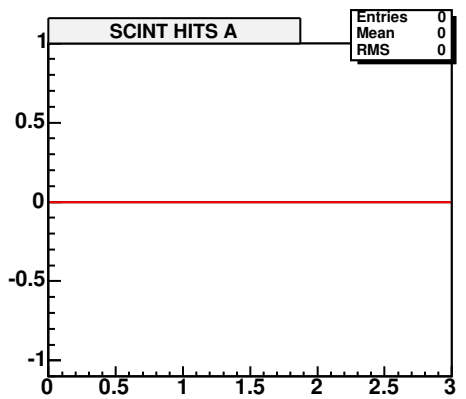


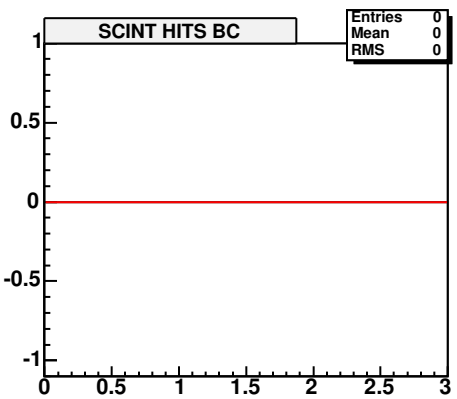




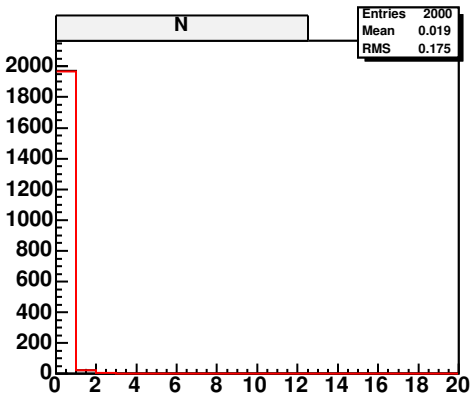


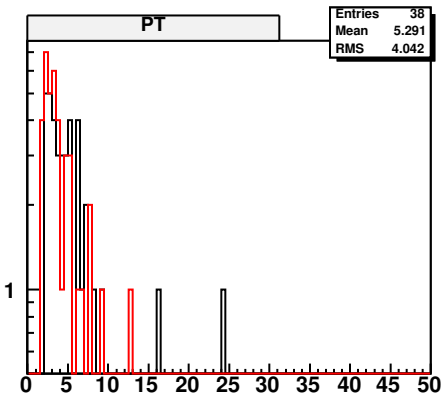


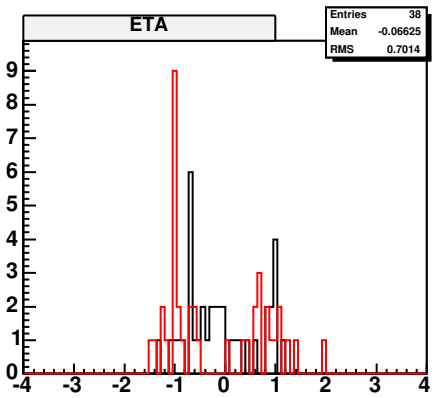


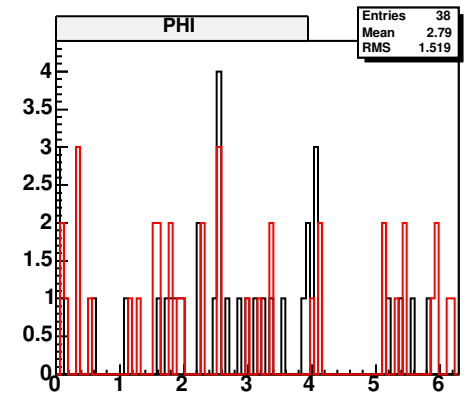


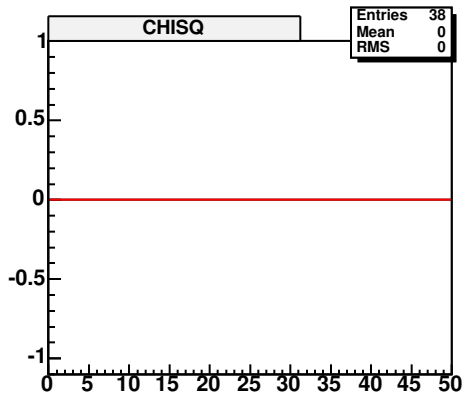
Muons (BCstub)

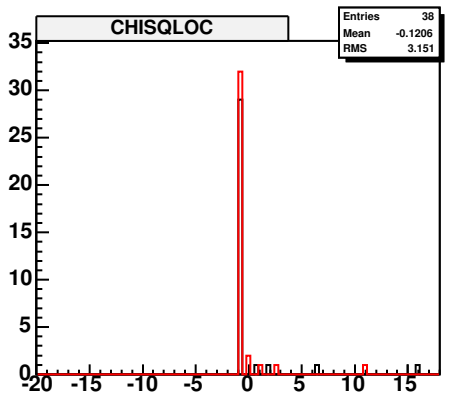


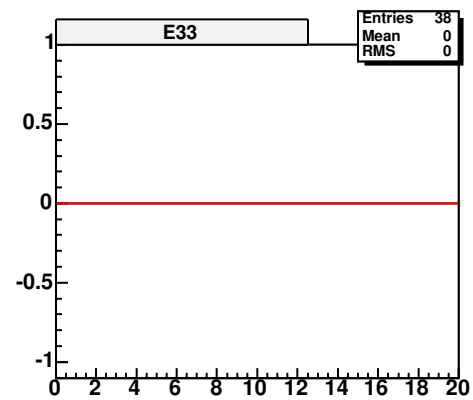


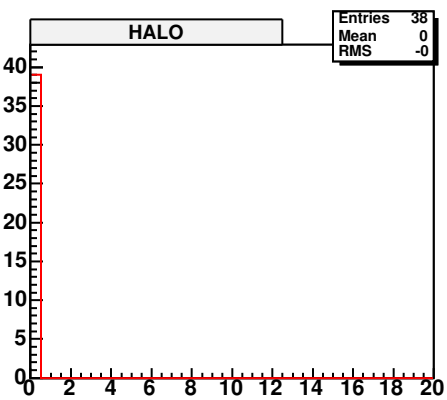


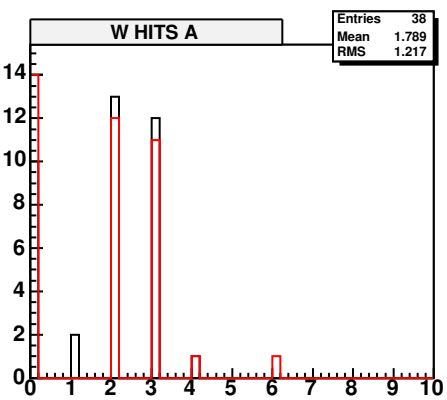


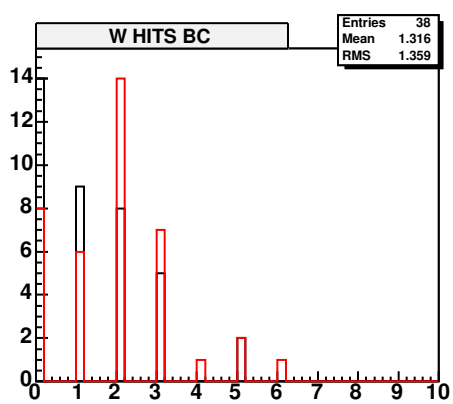


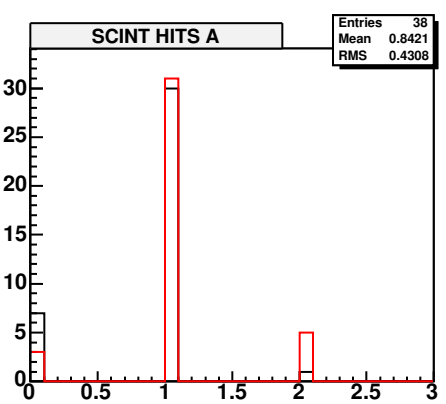


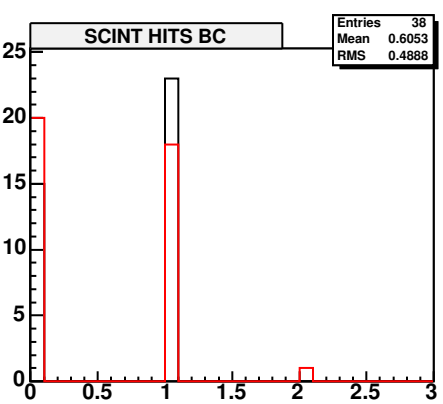




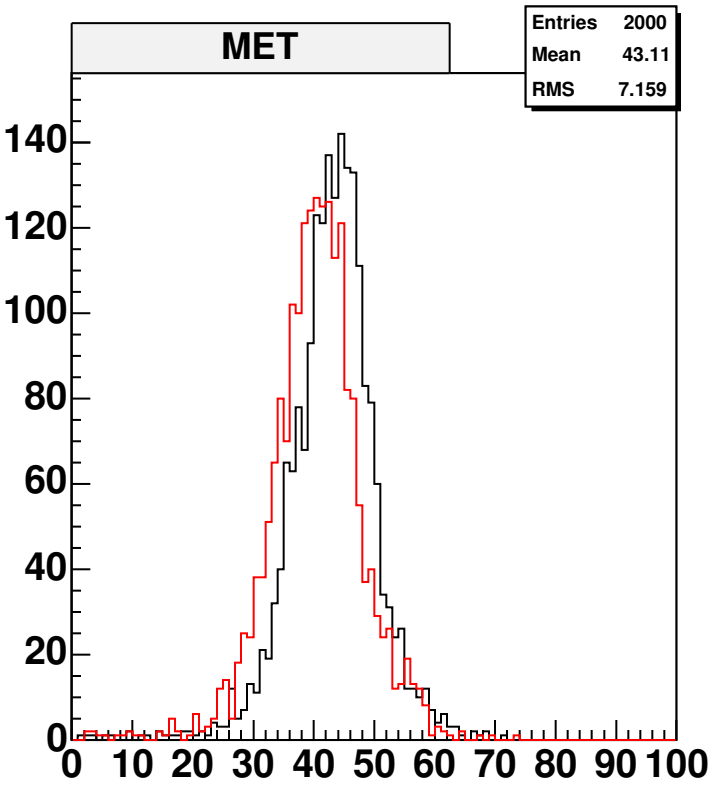


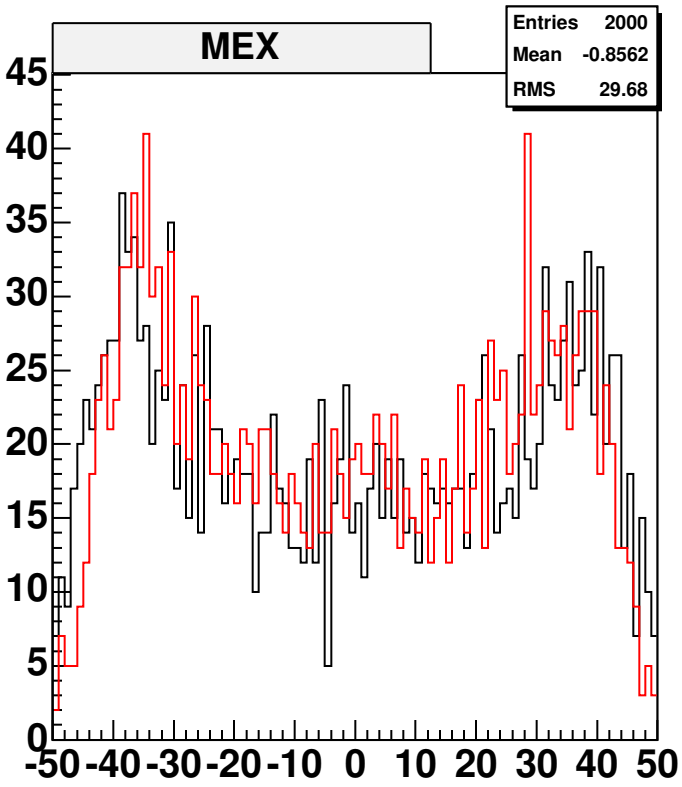


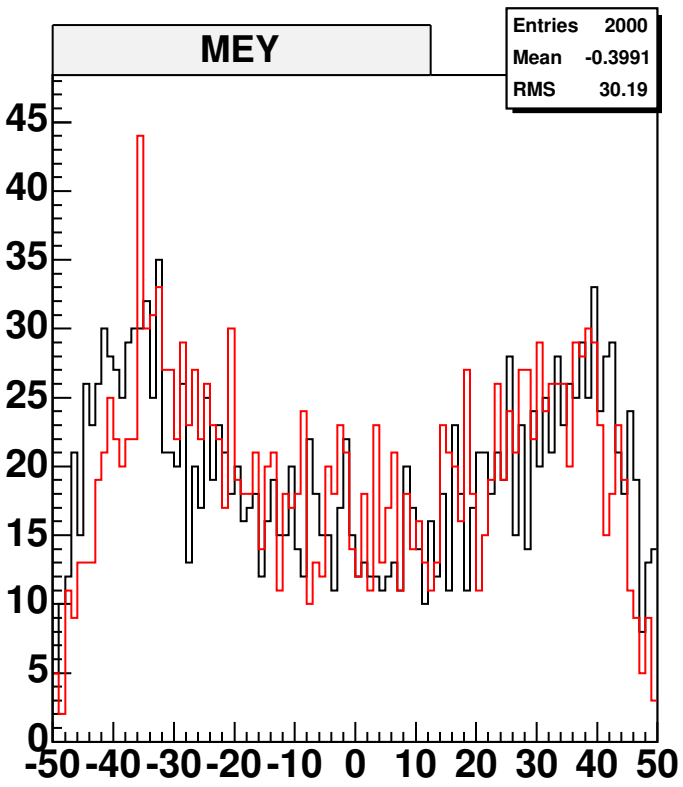




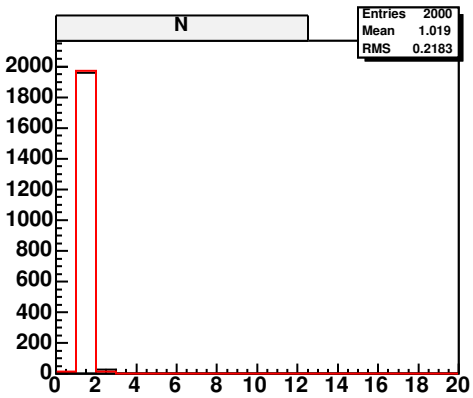
Muons (Unmatched)

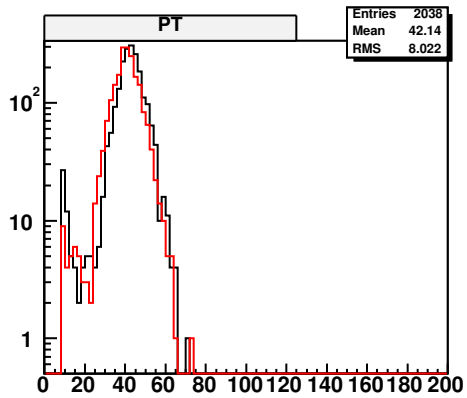

MET
Entries 2000
Mean 43.11
RMS 7.159
0 10 20 30 40 50 60 70 80 90 100
0 20 40 60 80 100 120 140

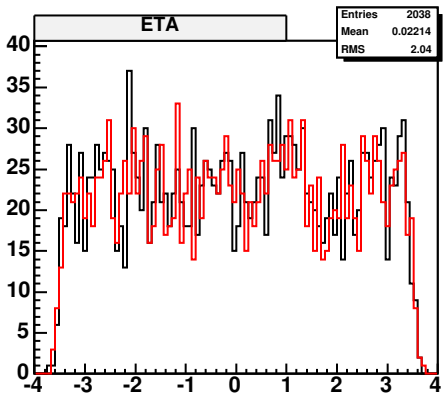

MEX
Entries 2000
Mean -0.8562
RMS 29.68
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40 45

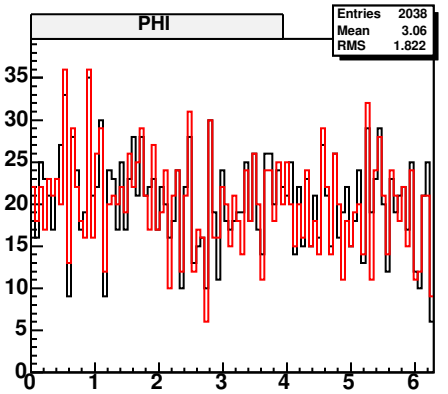

MEY
Entries 2000
Mean -0.3991
RMS 30.19
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40 45

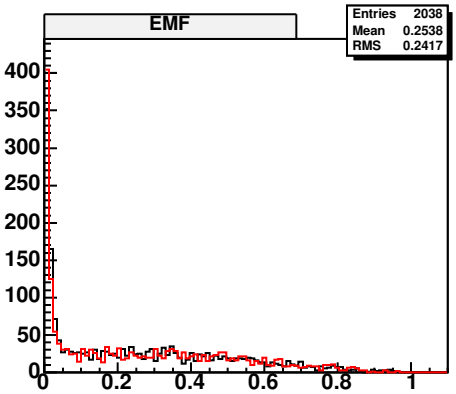
Met (No cuts)

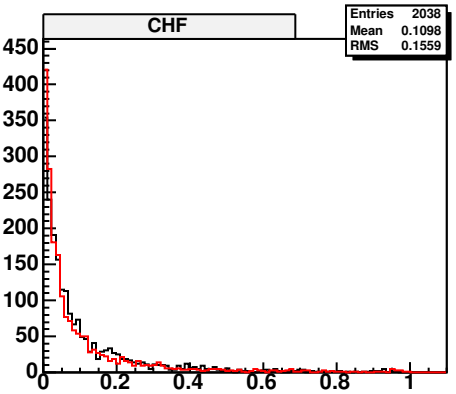


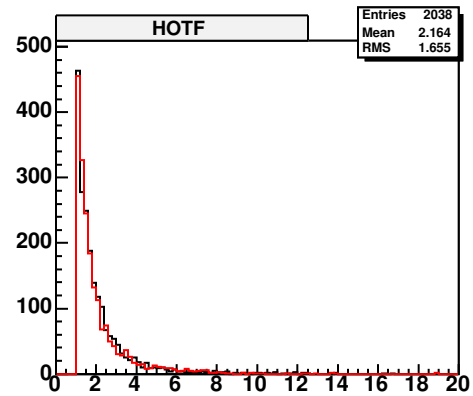


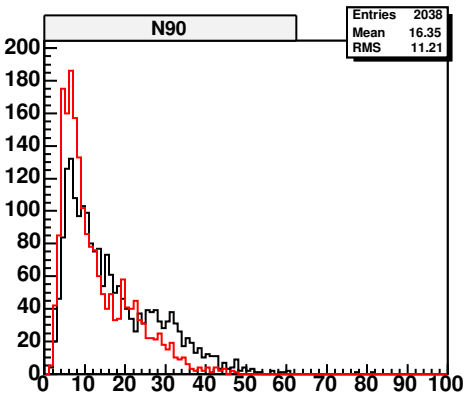


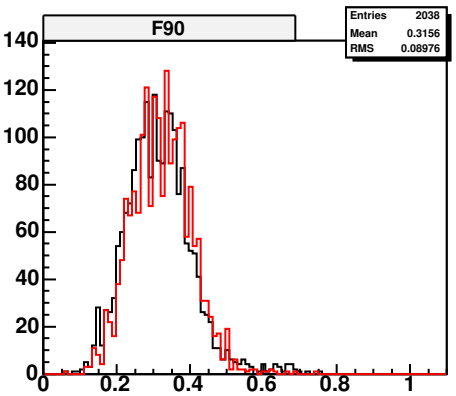


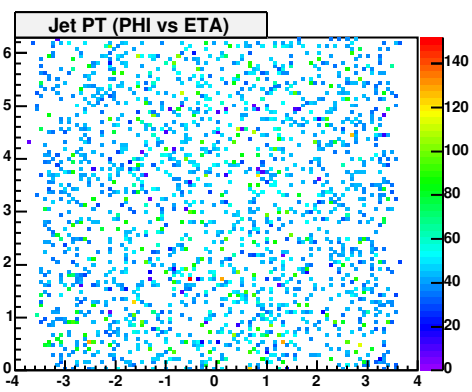




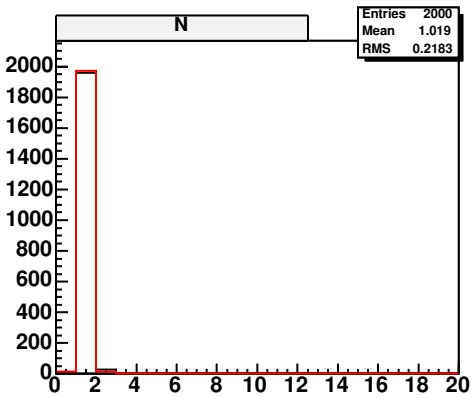


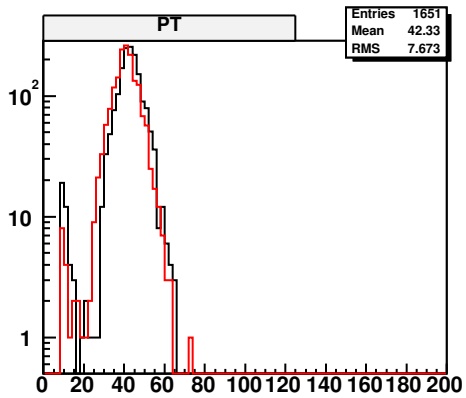


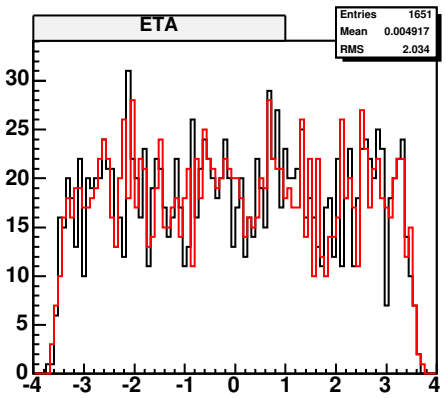


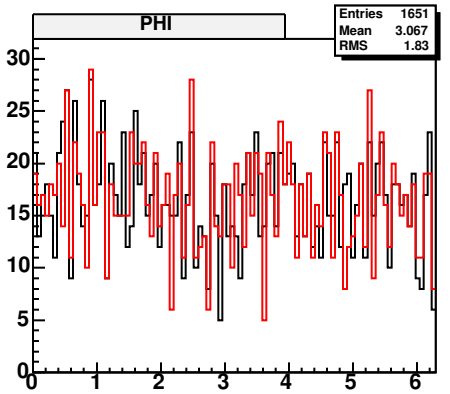


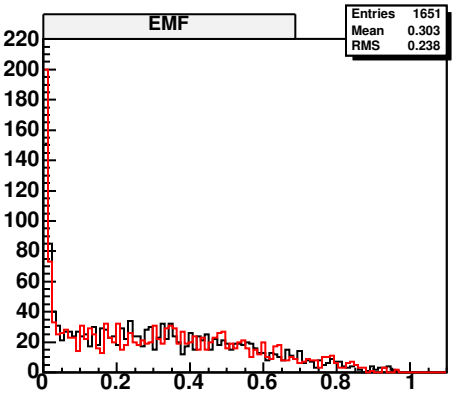
Jets (Cone R 0.7 (no cuts))

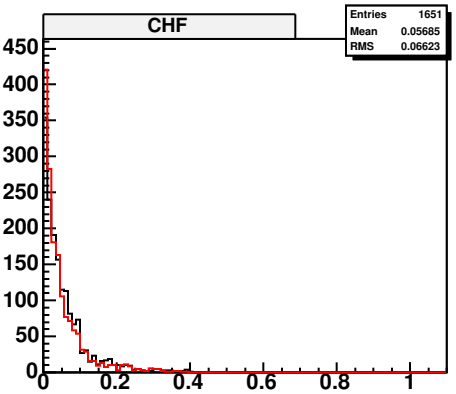


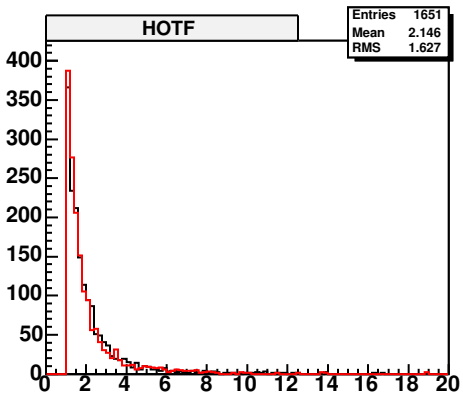


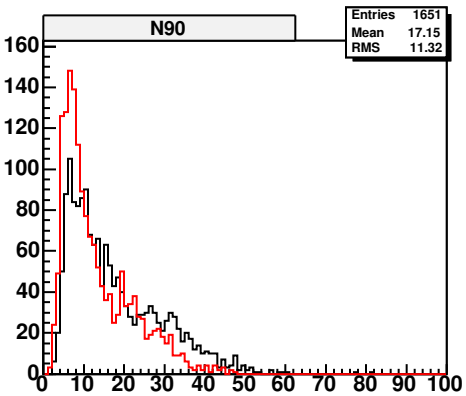


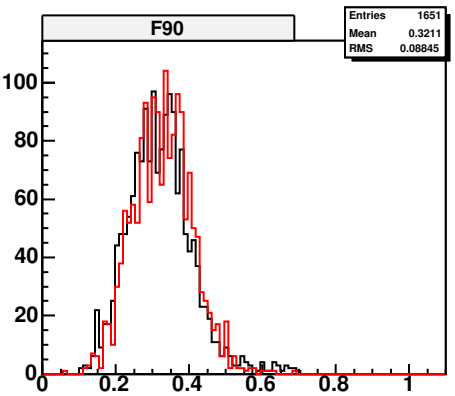


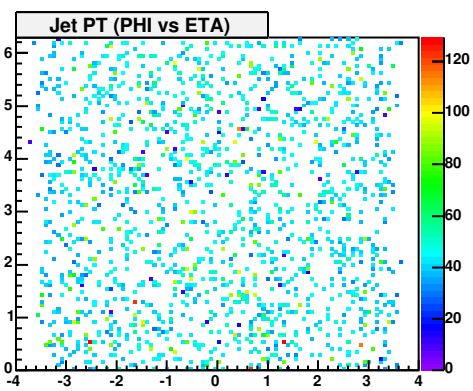




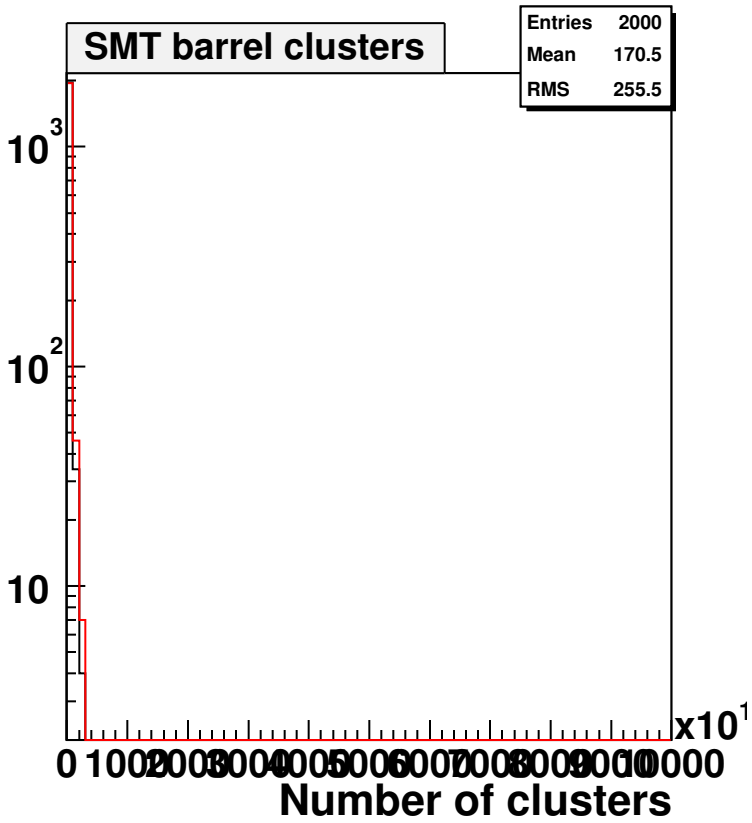


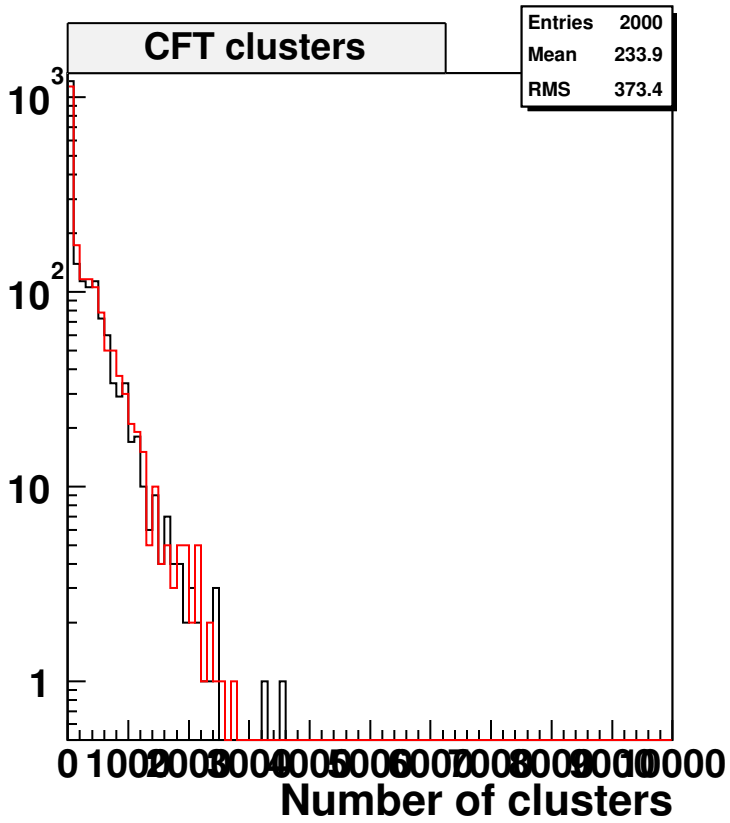


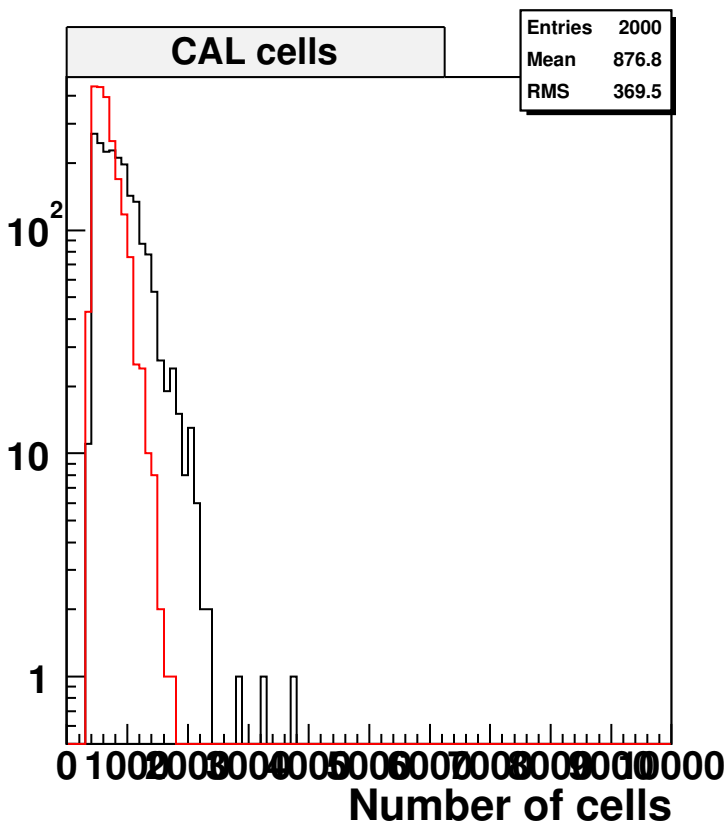


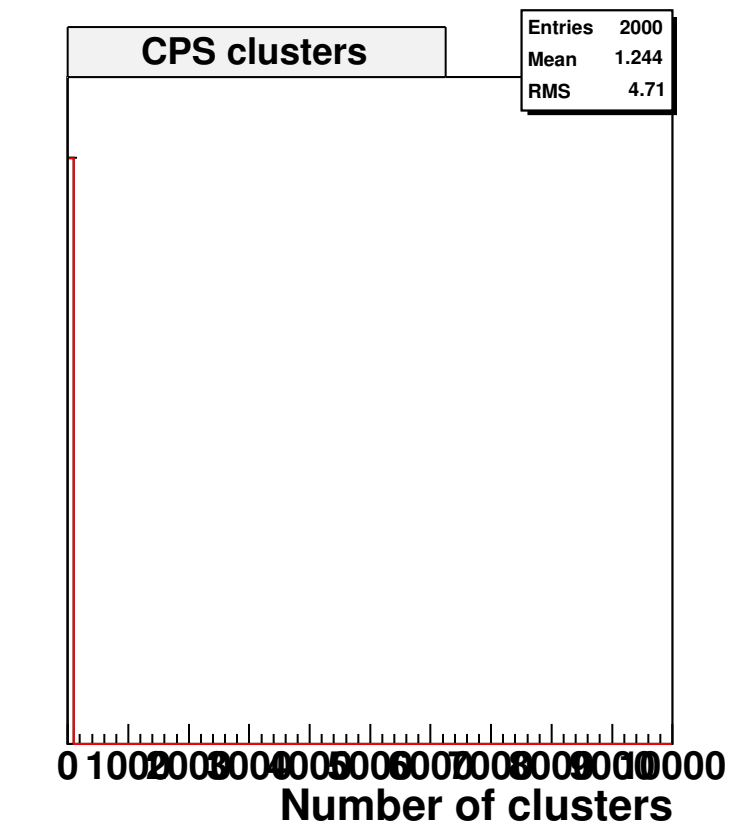


Jets (Cone R 0.7 (standard cuts))

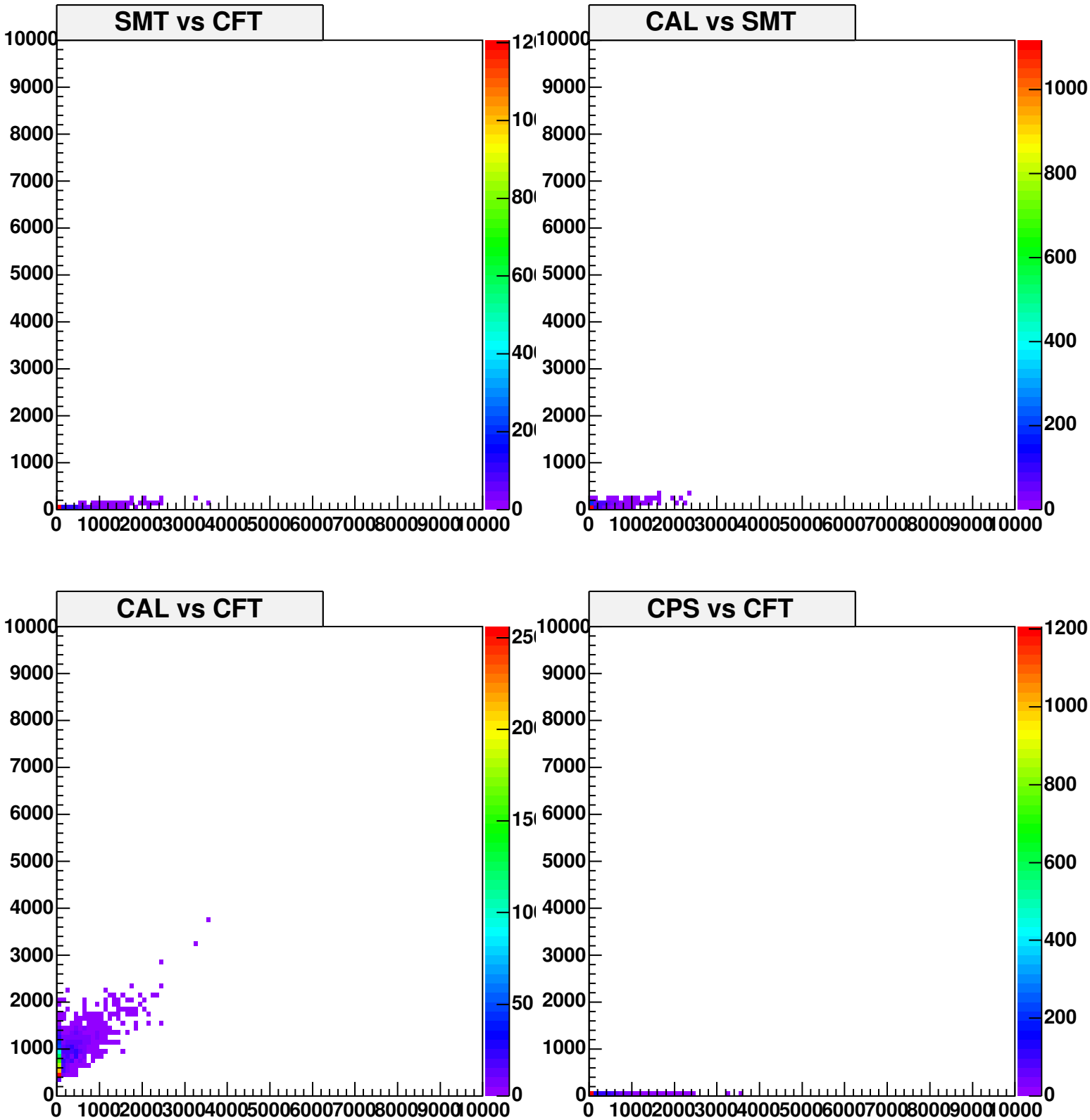


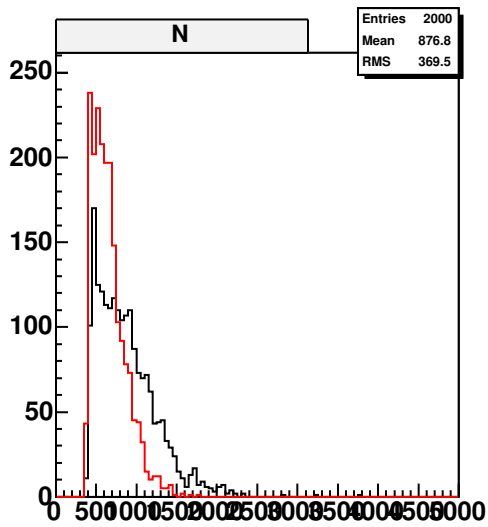


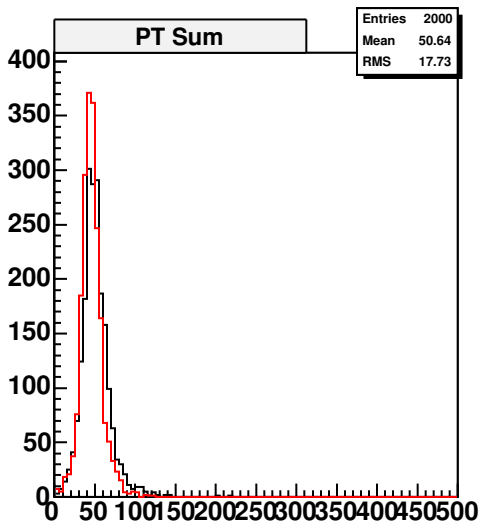


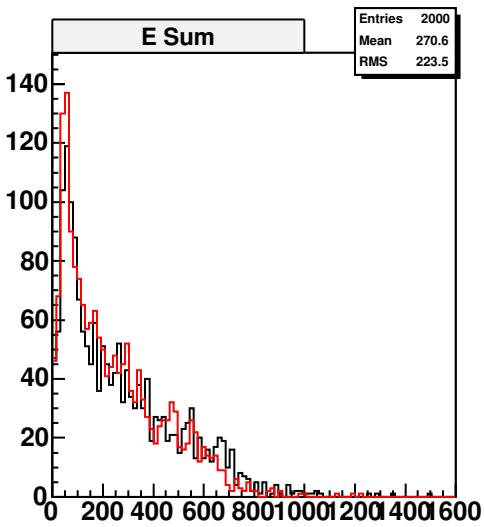


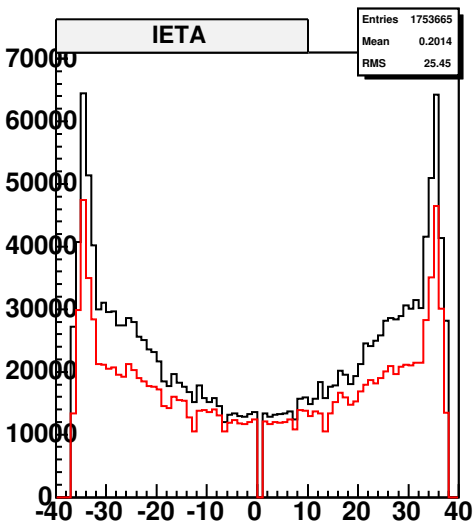
Detector Occupancy (Detector)

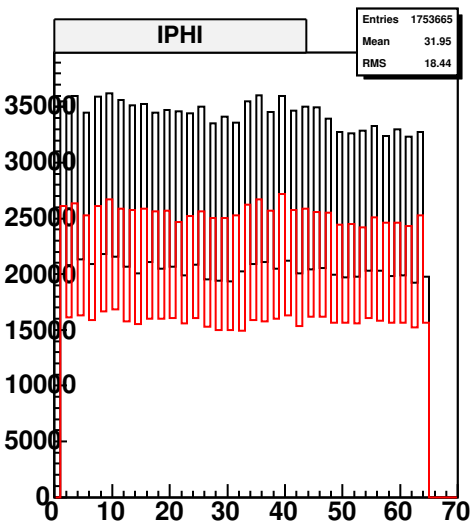

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

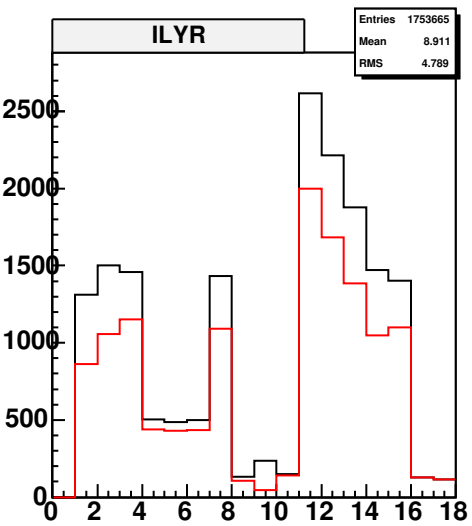


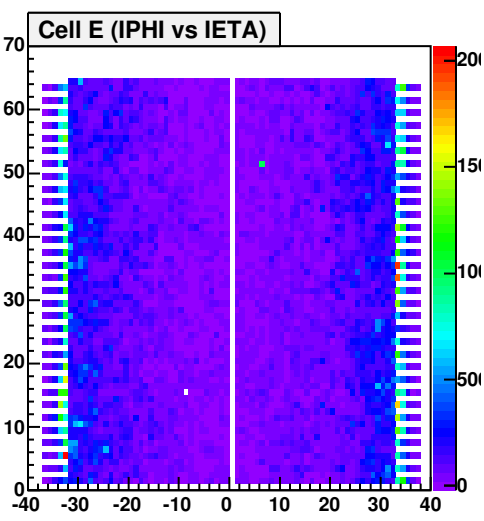


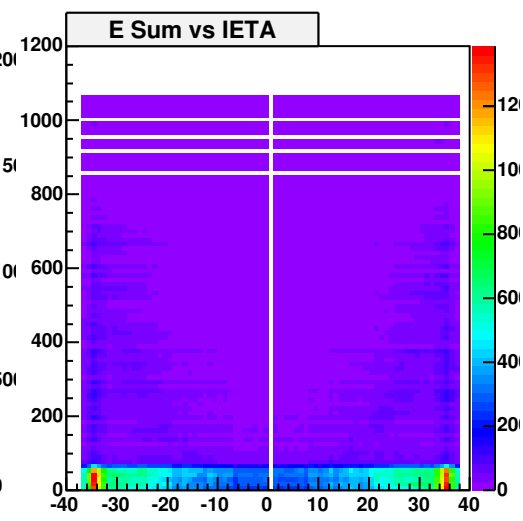


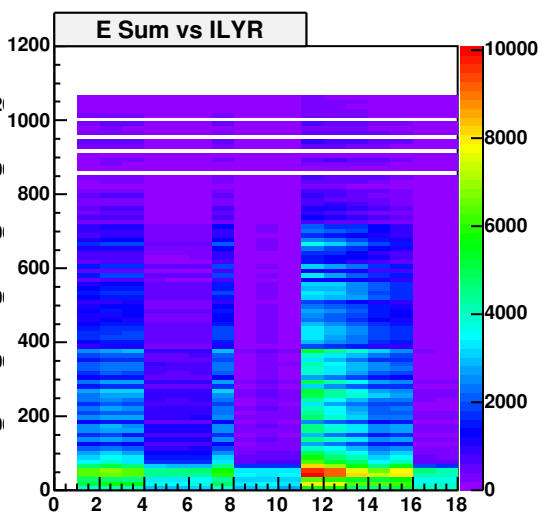




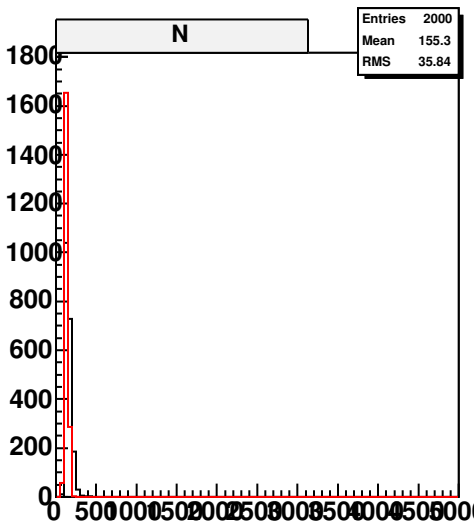


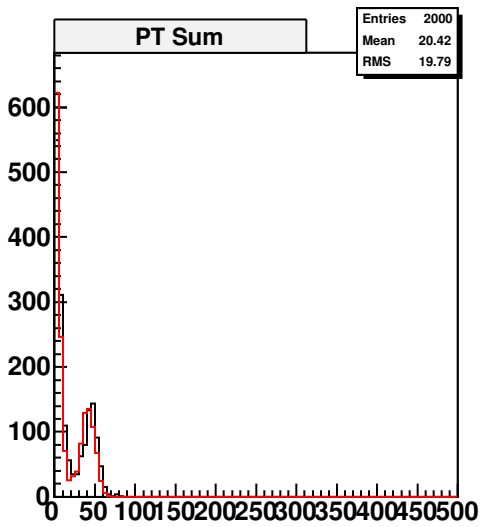


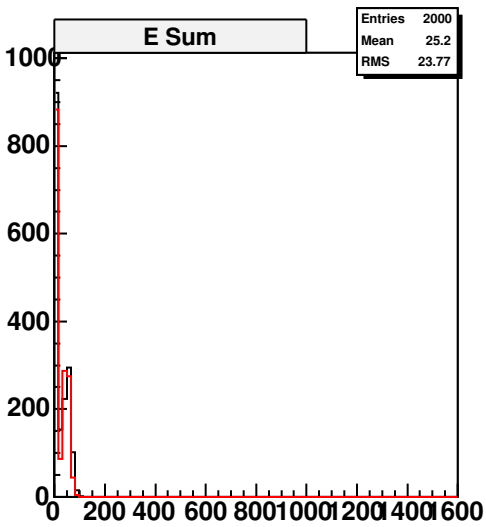


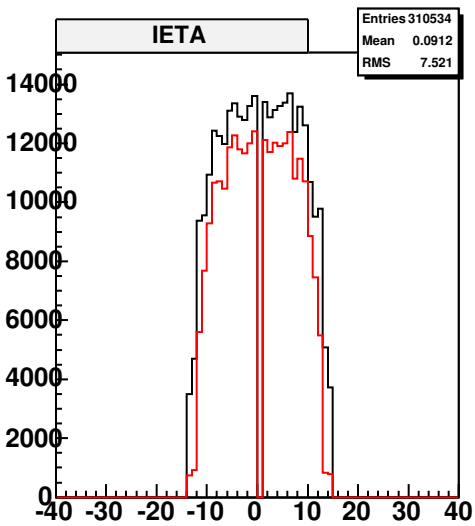


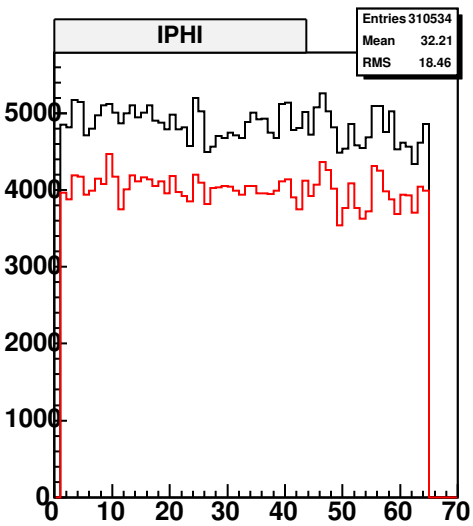
Calorimeter (All cells)

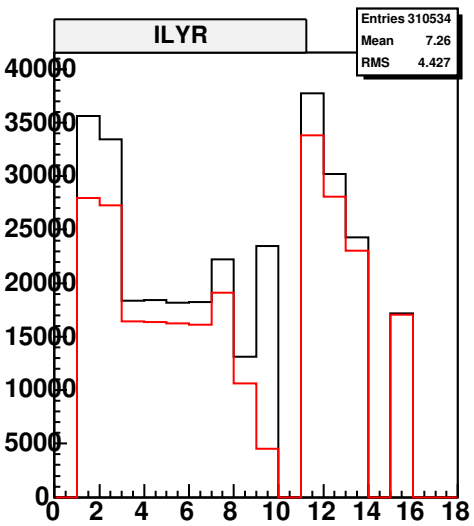


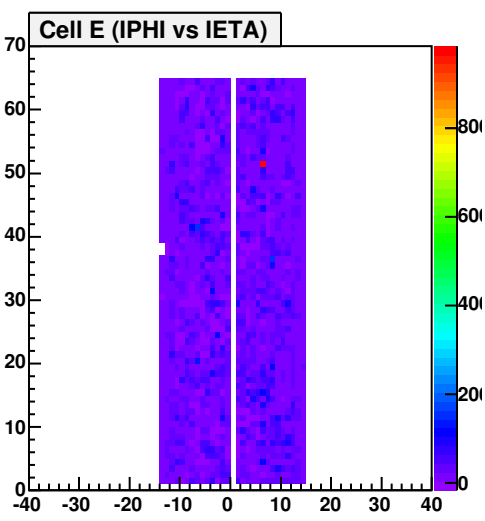


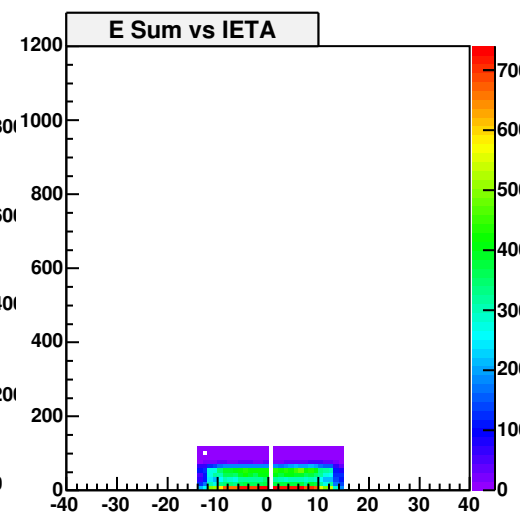


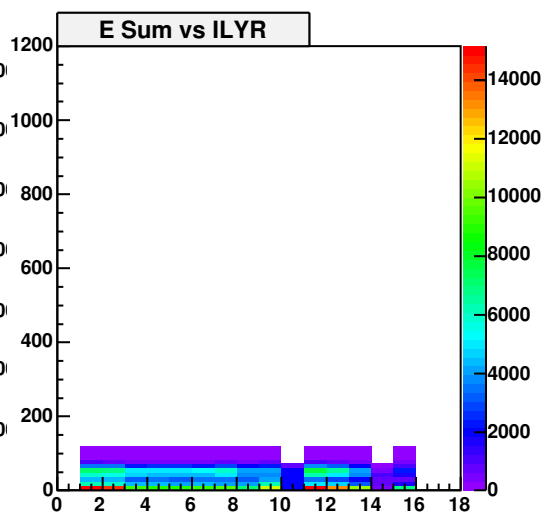




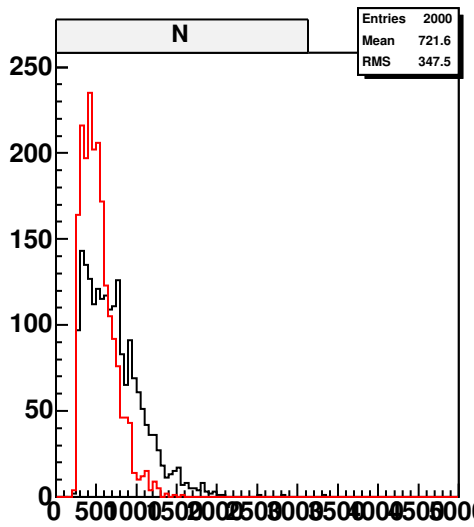


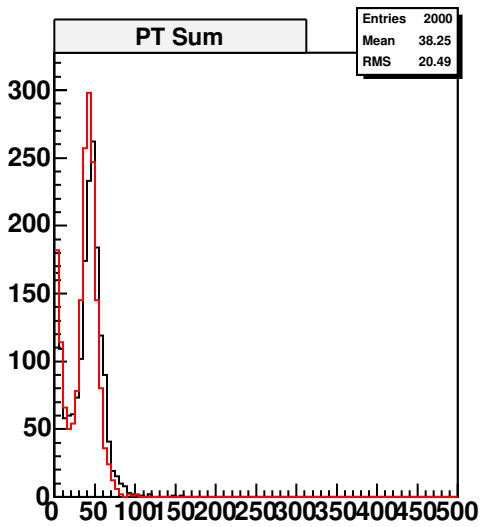


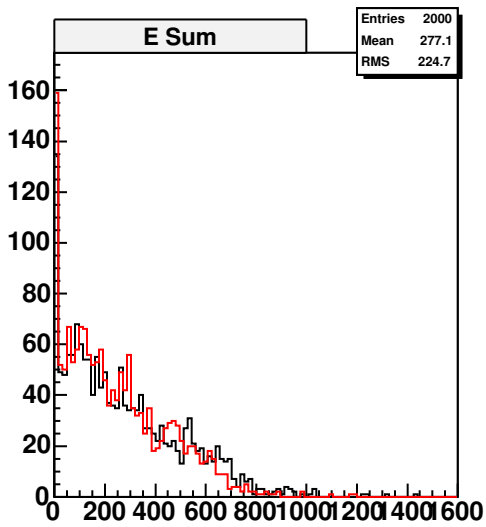


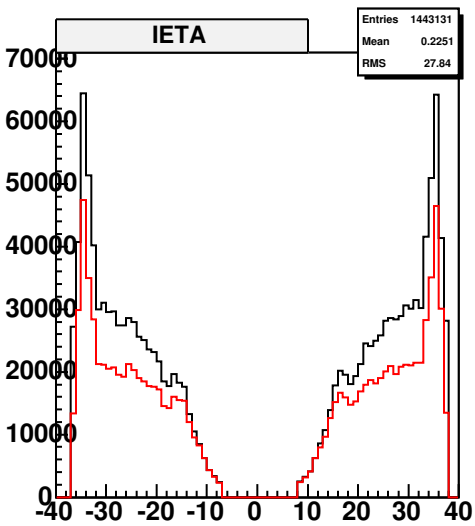


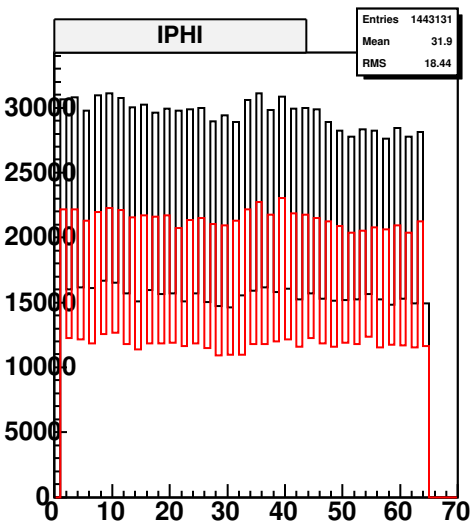
Calorimeter (All CC cells)

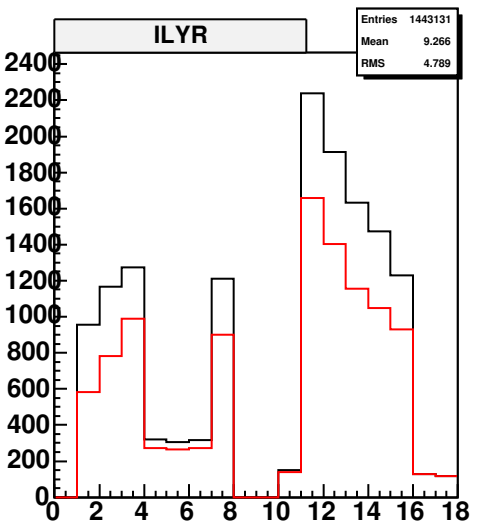


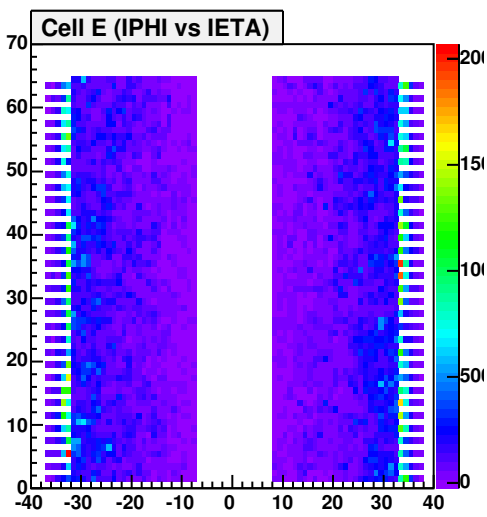


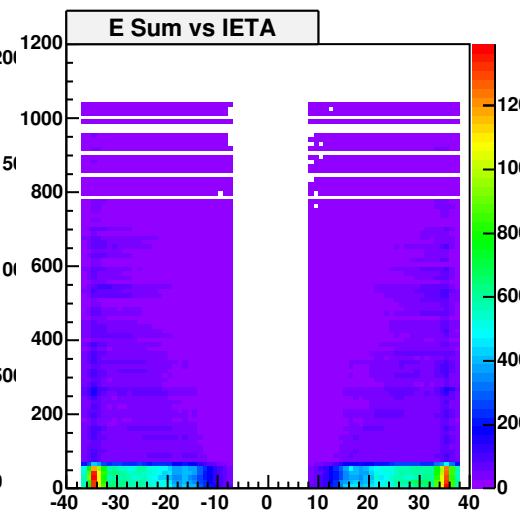


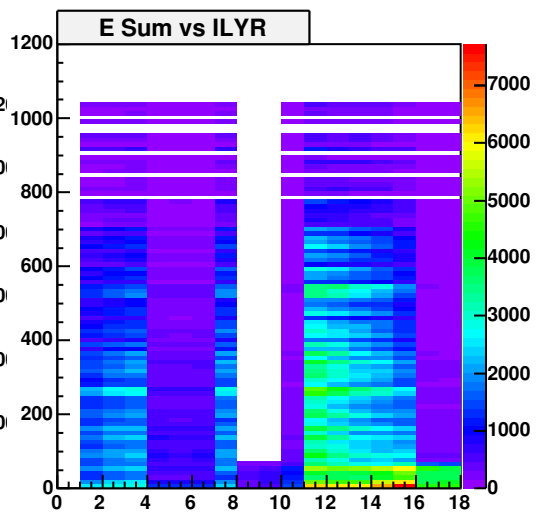




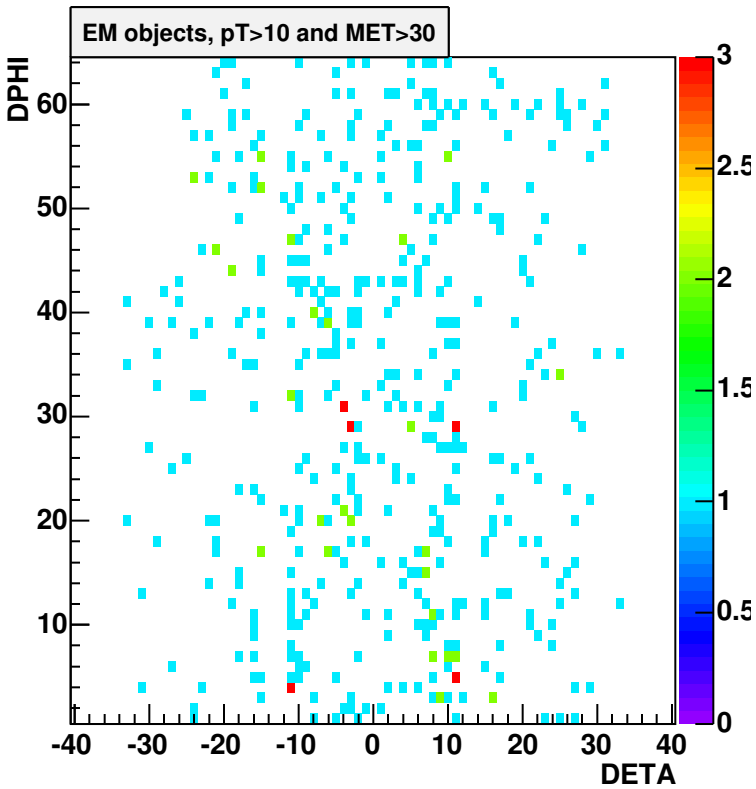


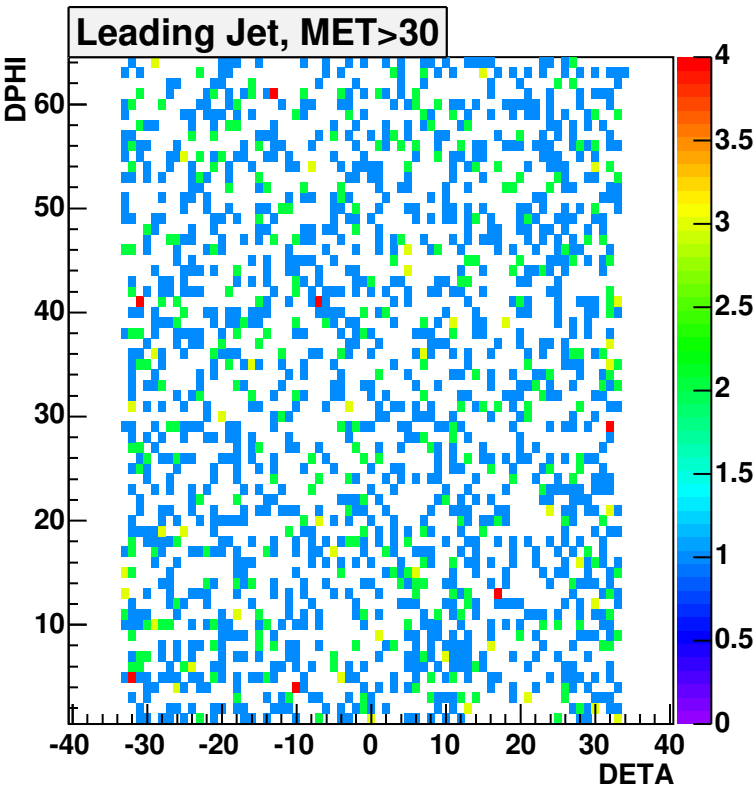


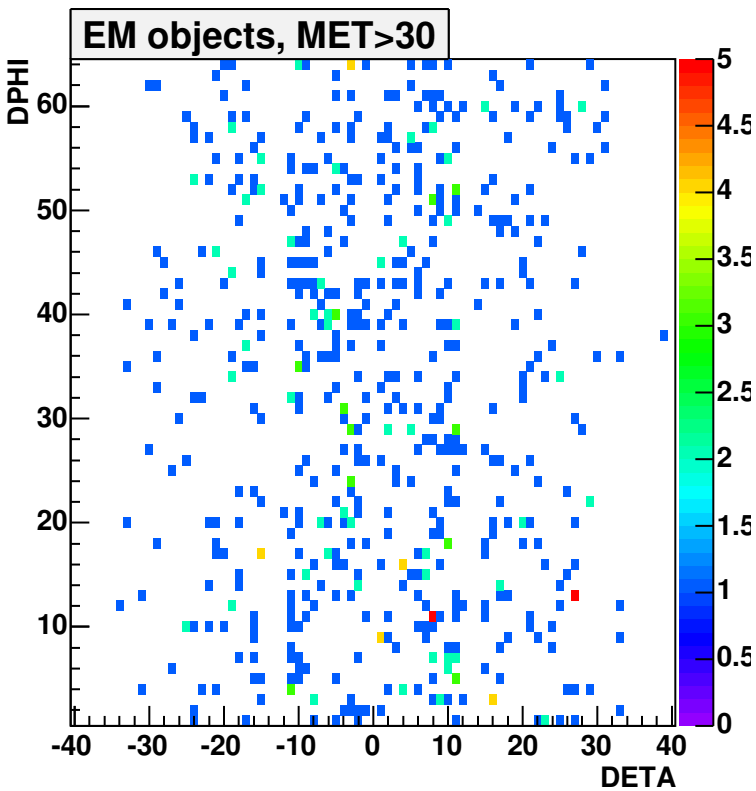




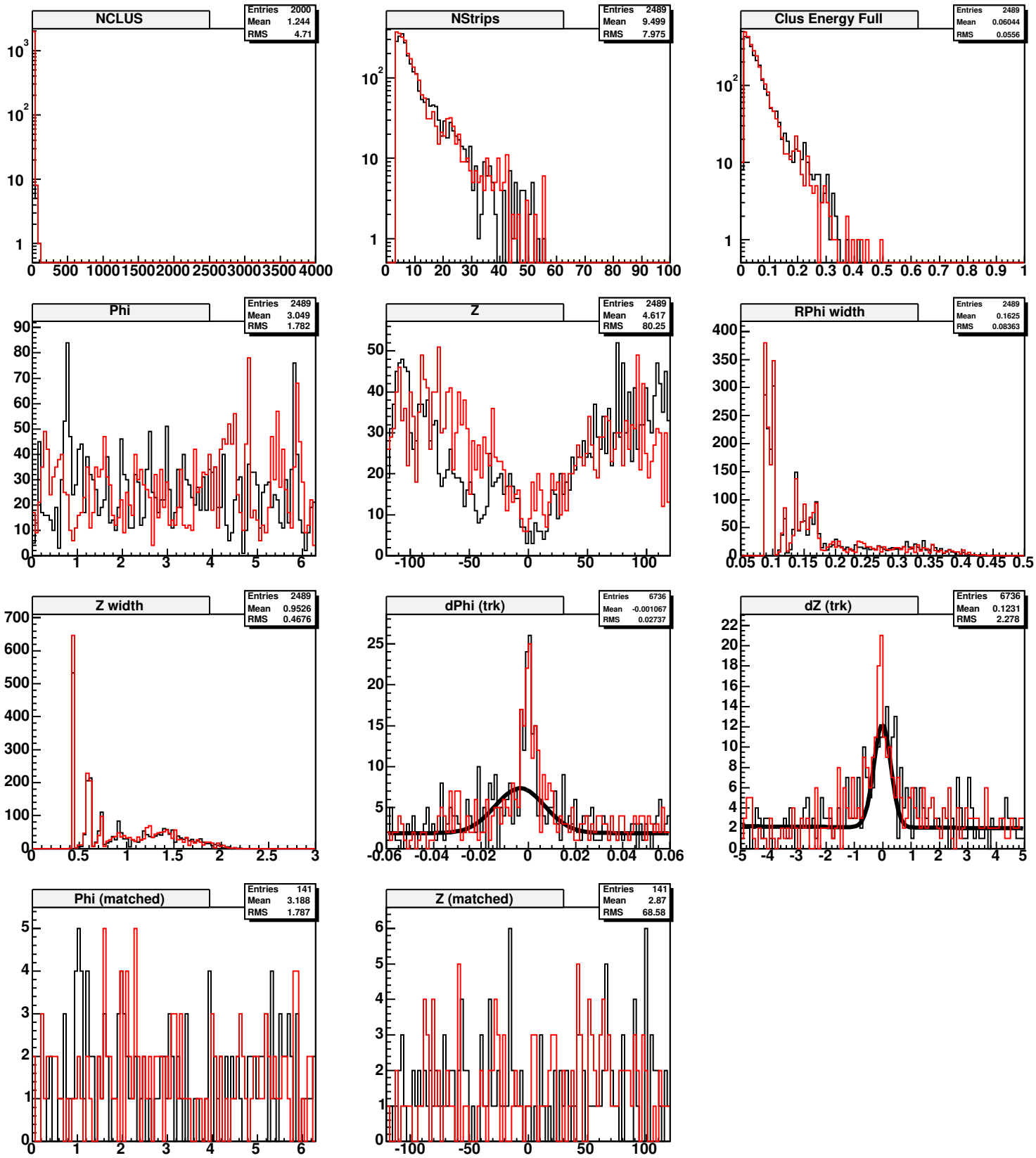
Calorimeter (All EC cells)



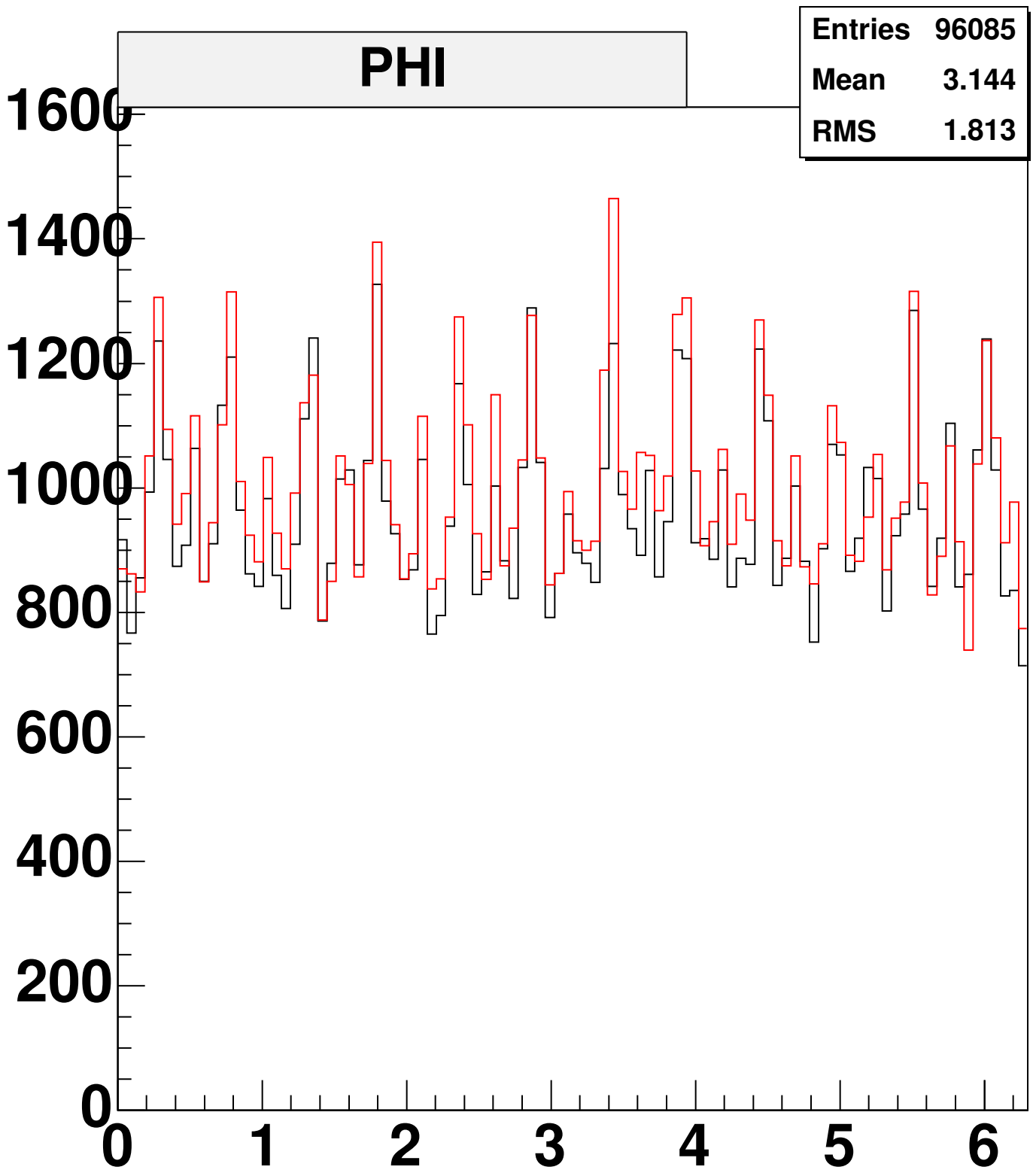




Calorimeter (All cells)



CPS Clusters (All Clusters)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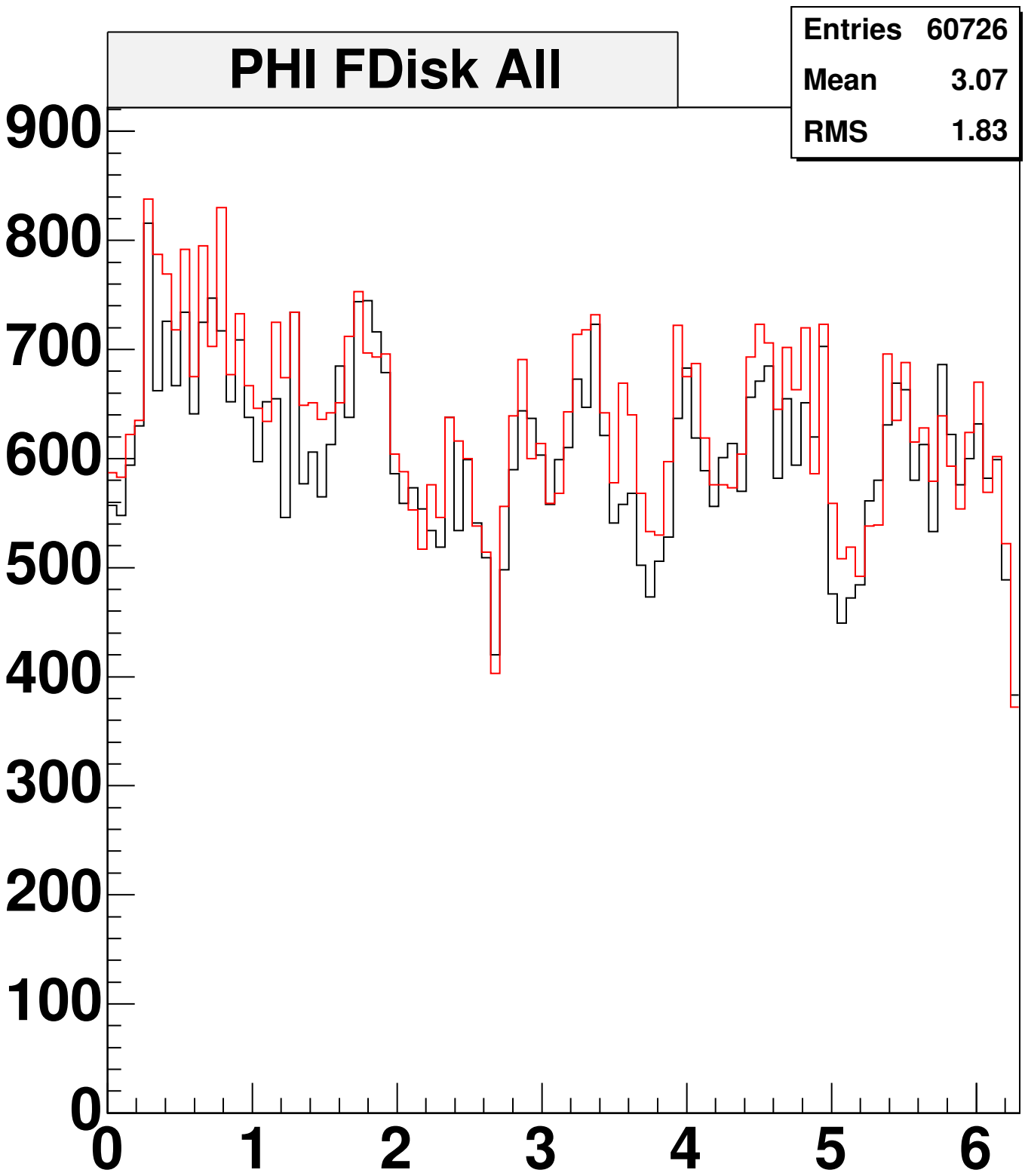
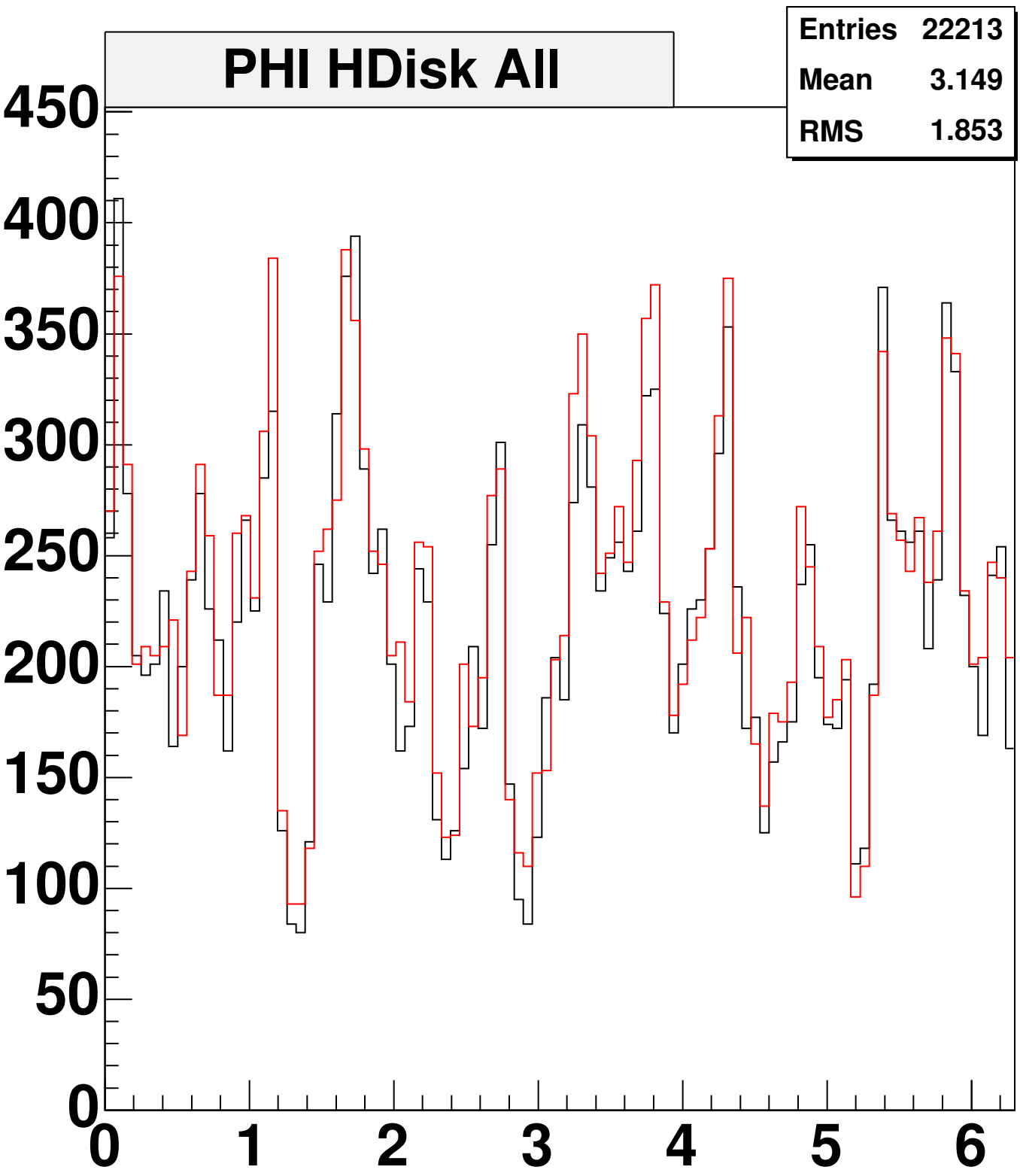
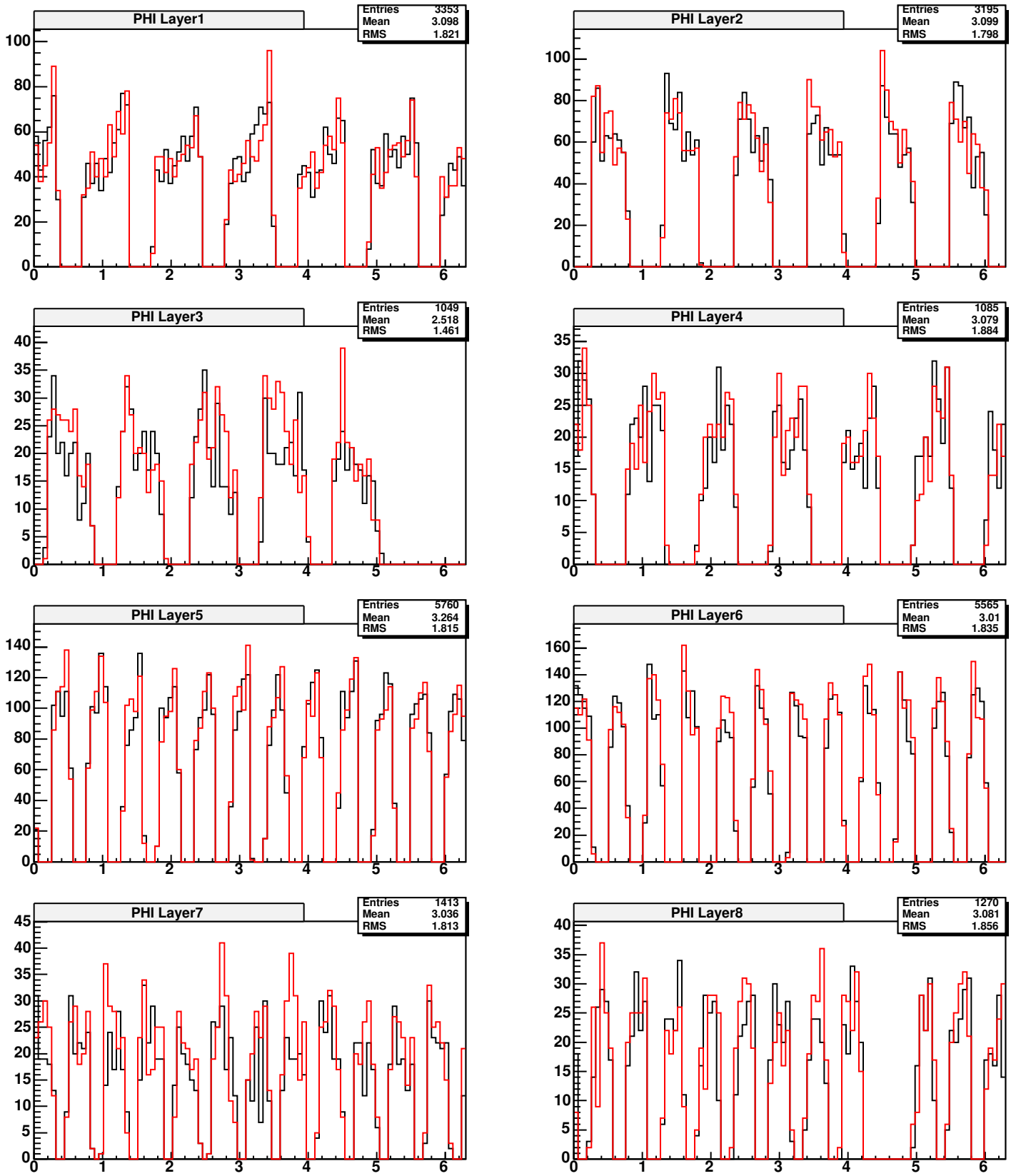
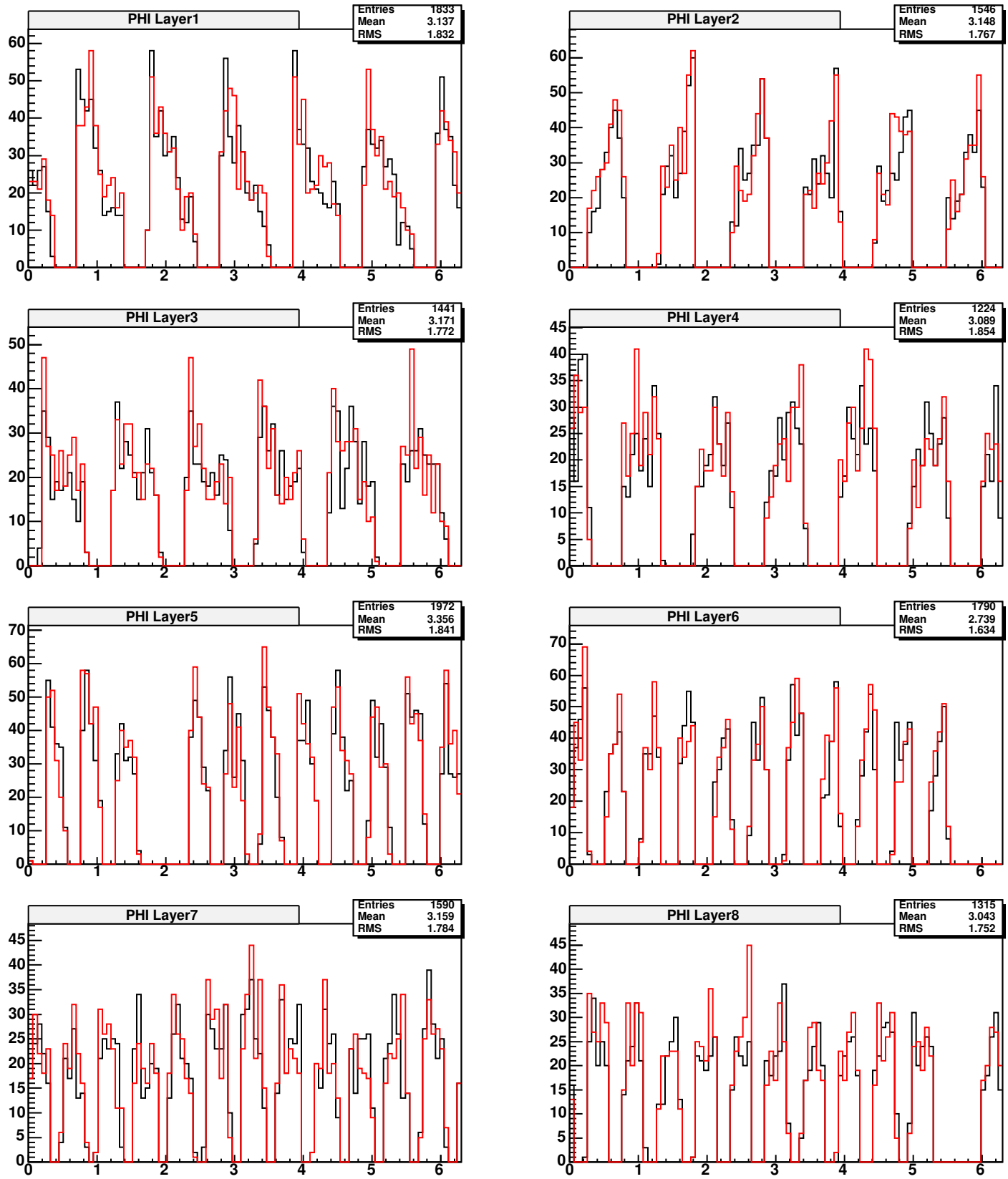
Entries 96085
Mean 3.144
RMS 1.813
1600
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 60726
Mean 3.07
RMS 1.83
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

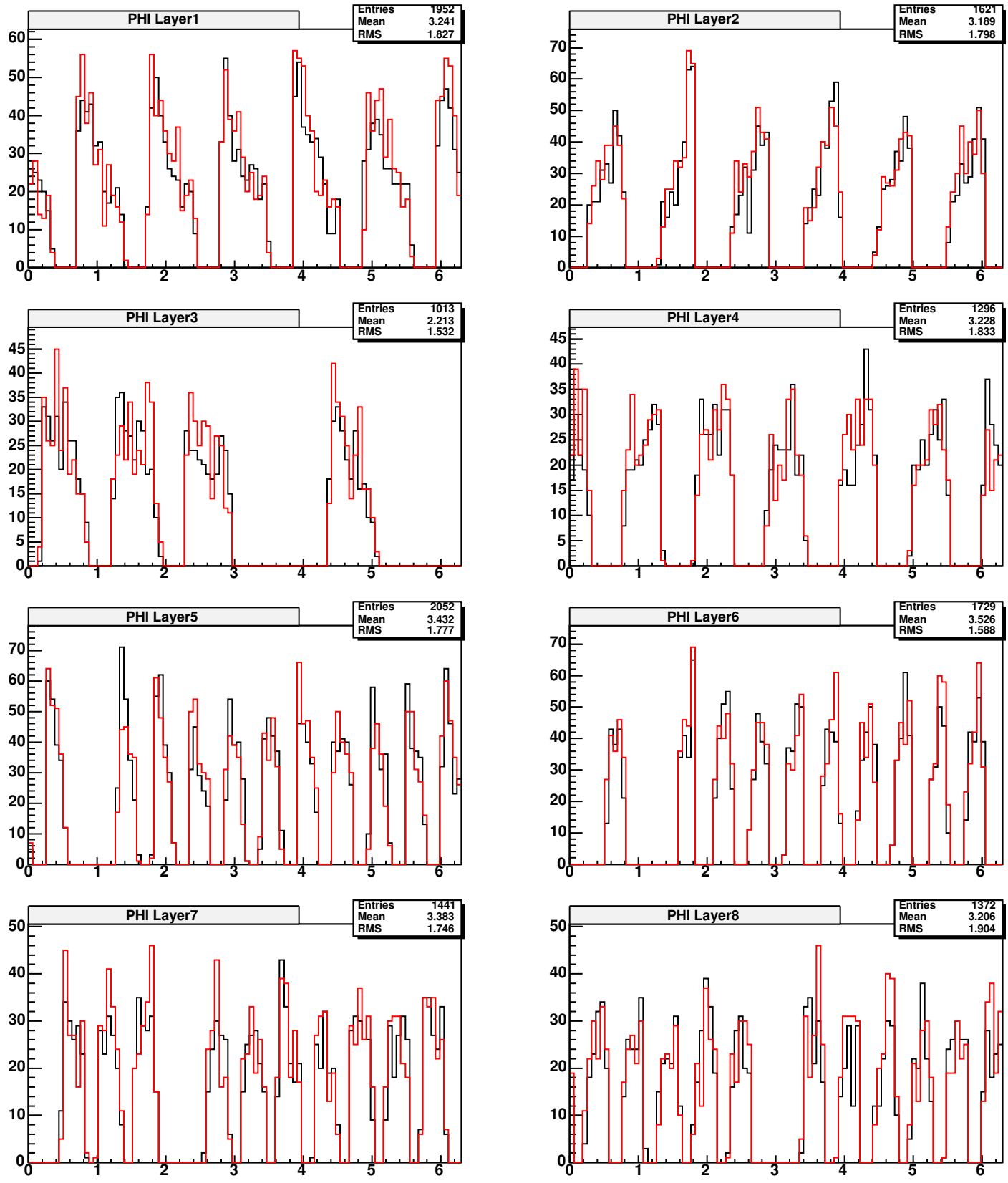

PHI HDisk All
Entries 22213
Mean 3.149
RMS 1.853
450
400
350
300
250
200
150
100
50
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



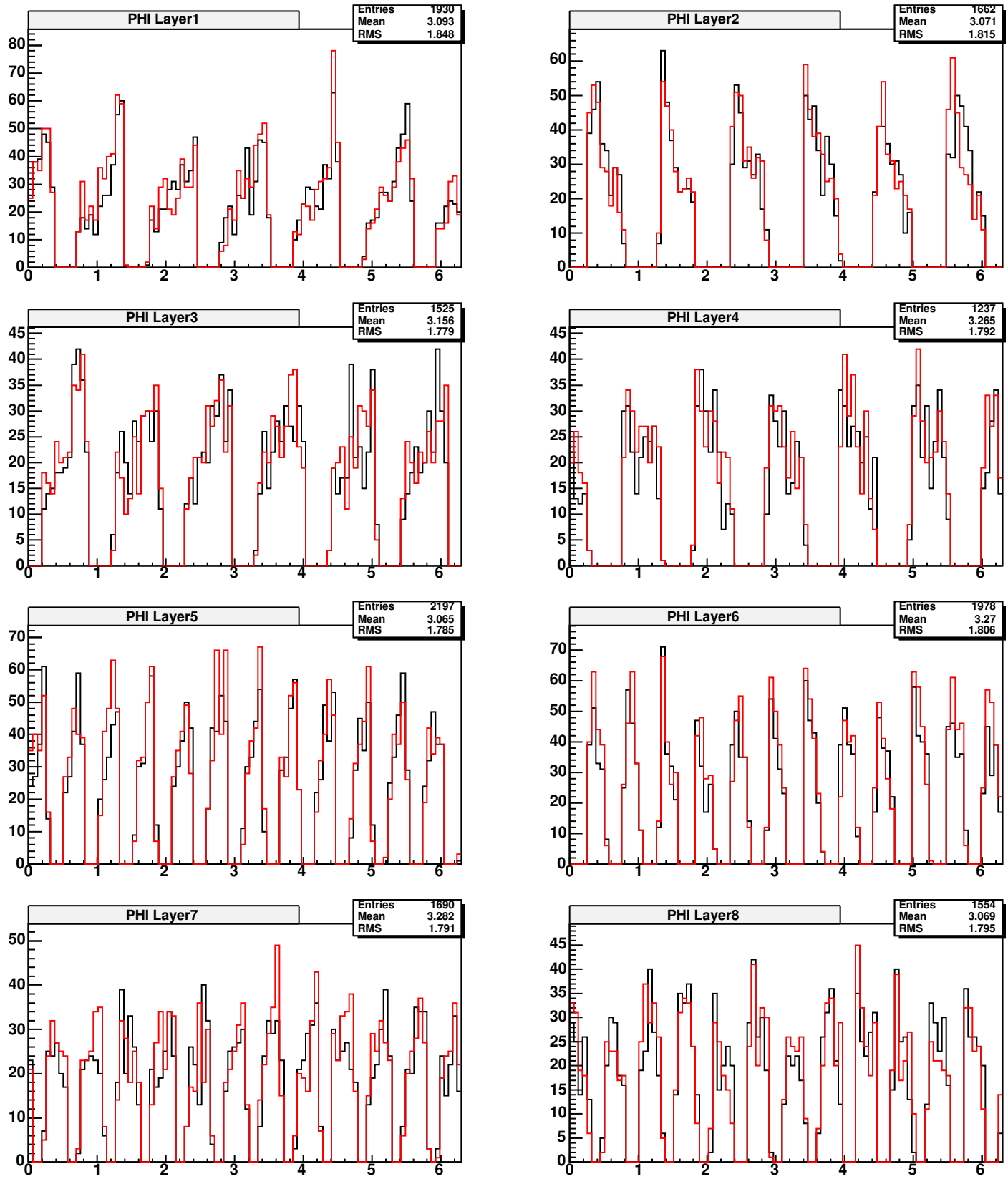
SmtClusters (ClustrBar1)



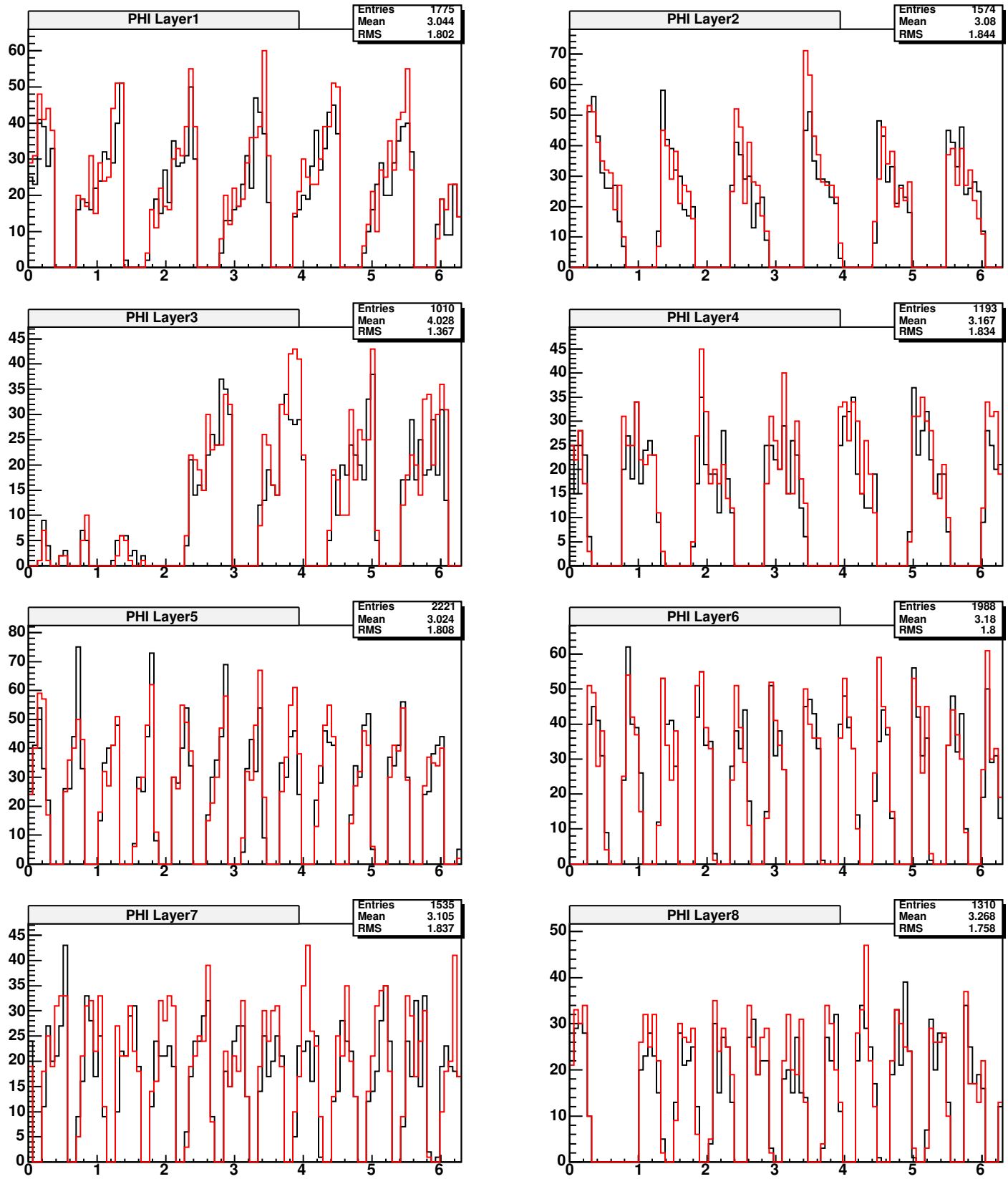
SmtClusters (ClustrBar2)



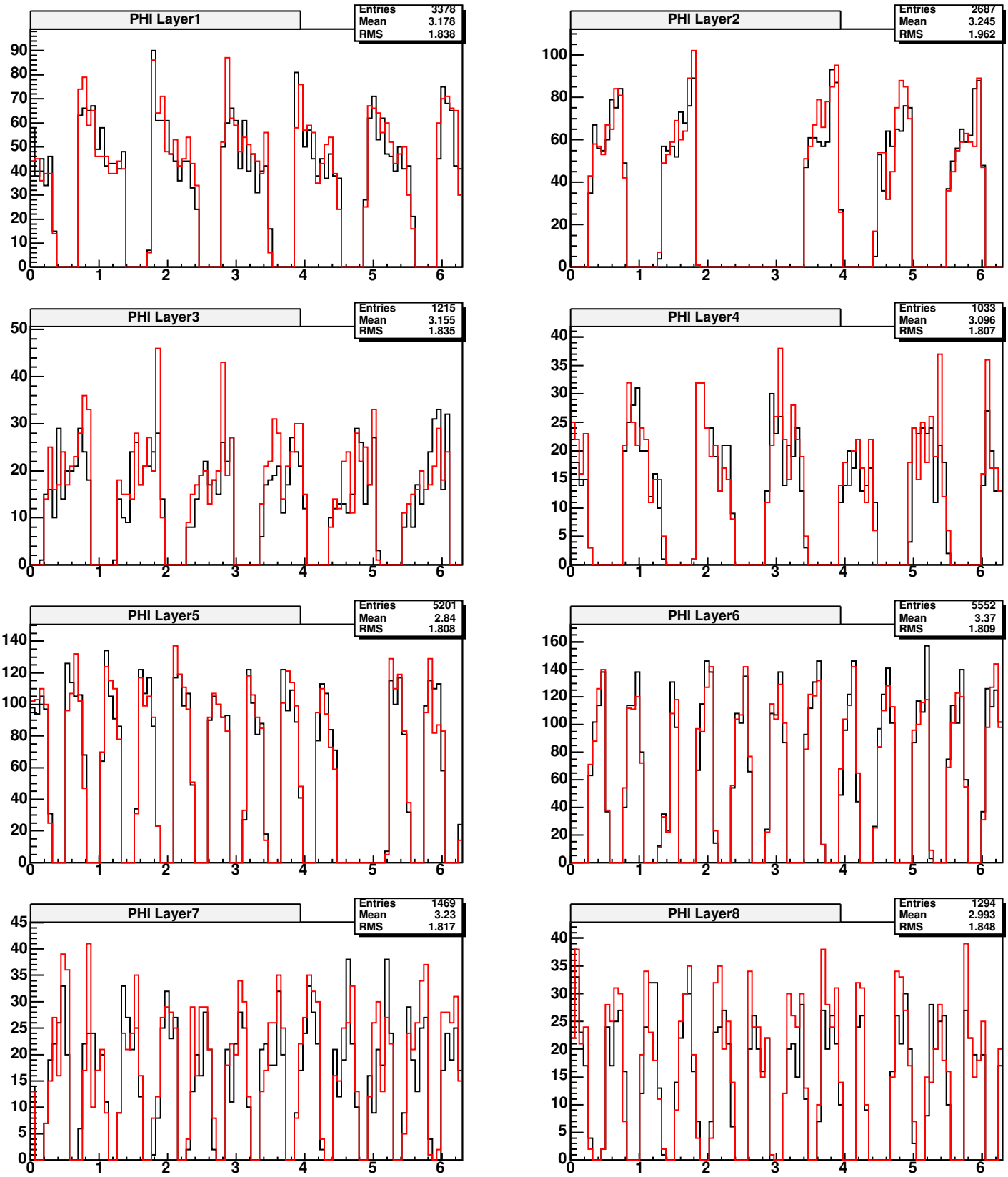
SmtClusters (ClustrBar3)



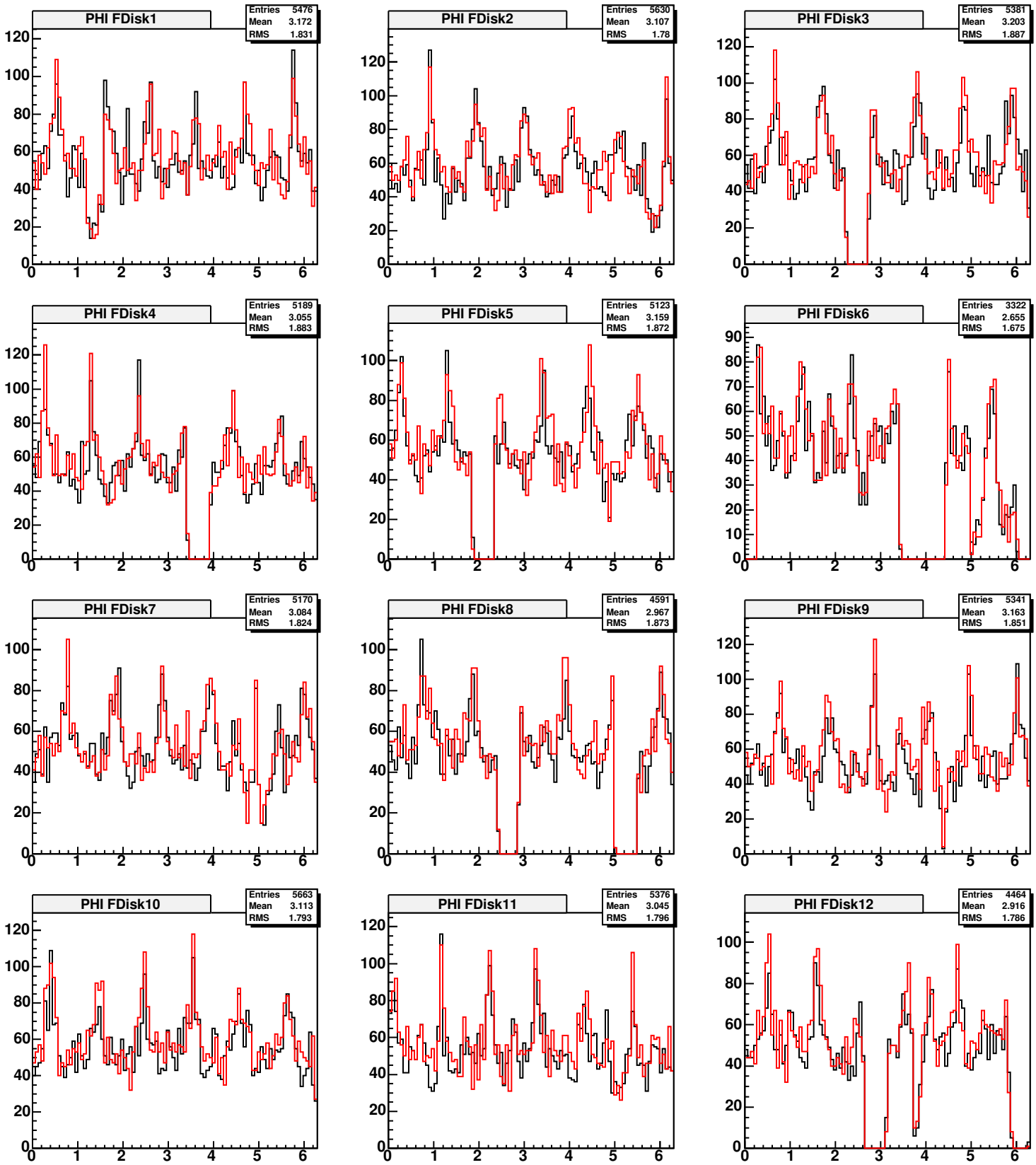
SmtClusters (ClustrBar4)



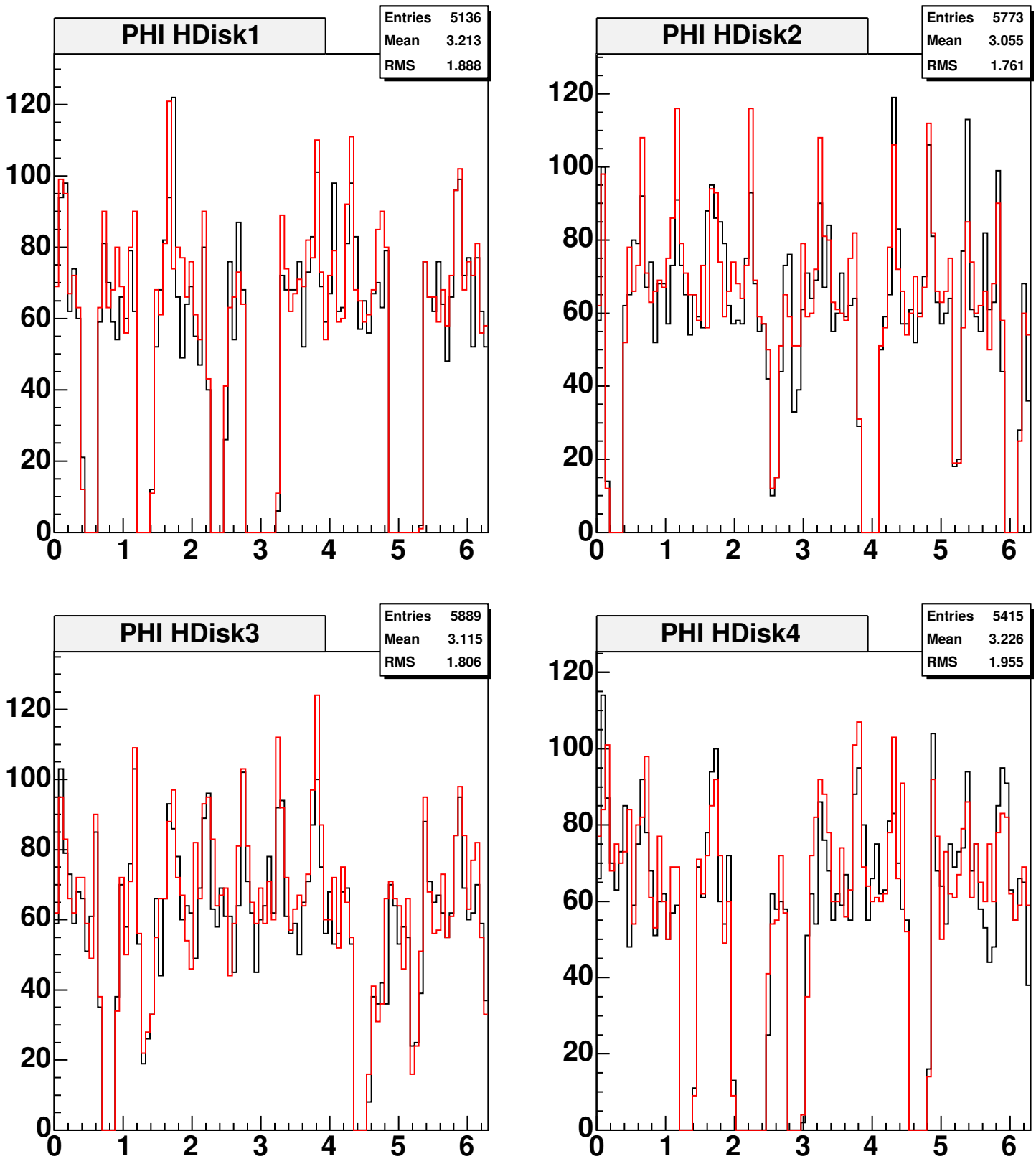
SmtClusters (ClustrBar5)

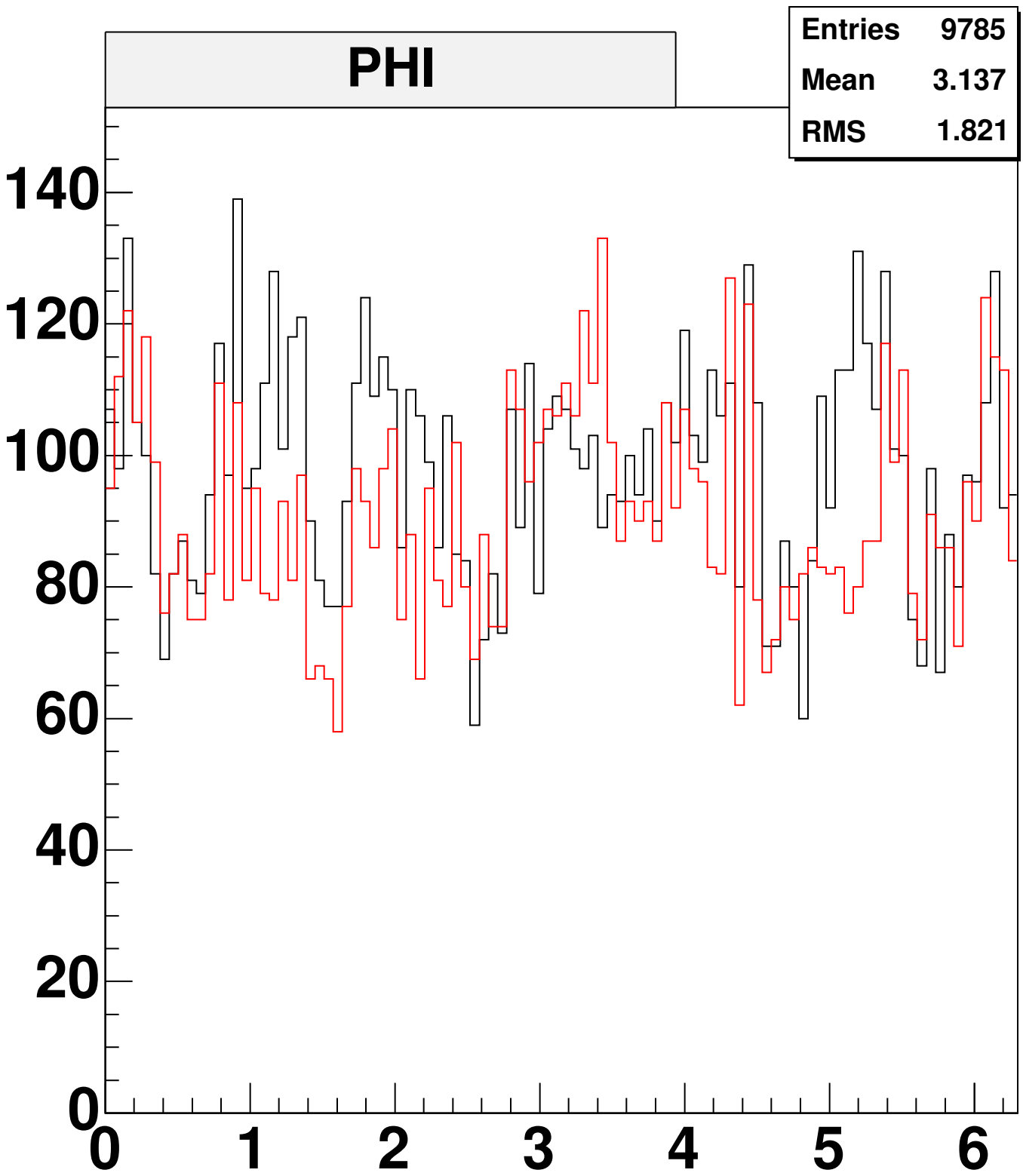


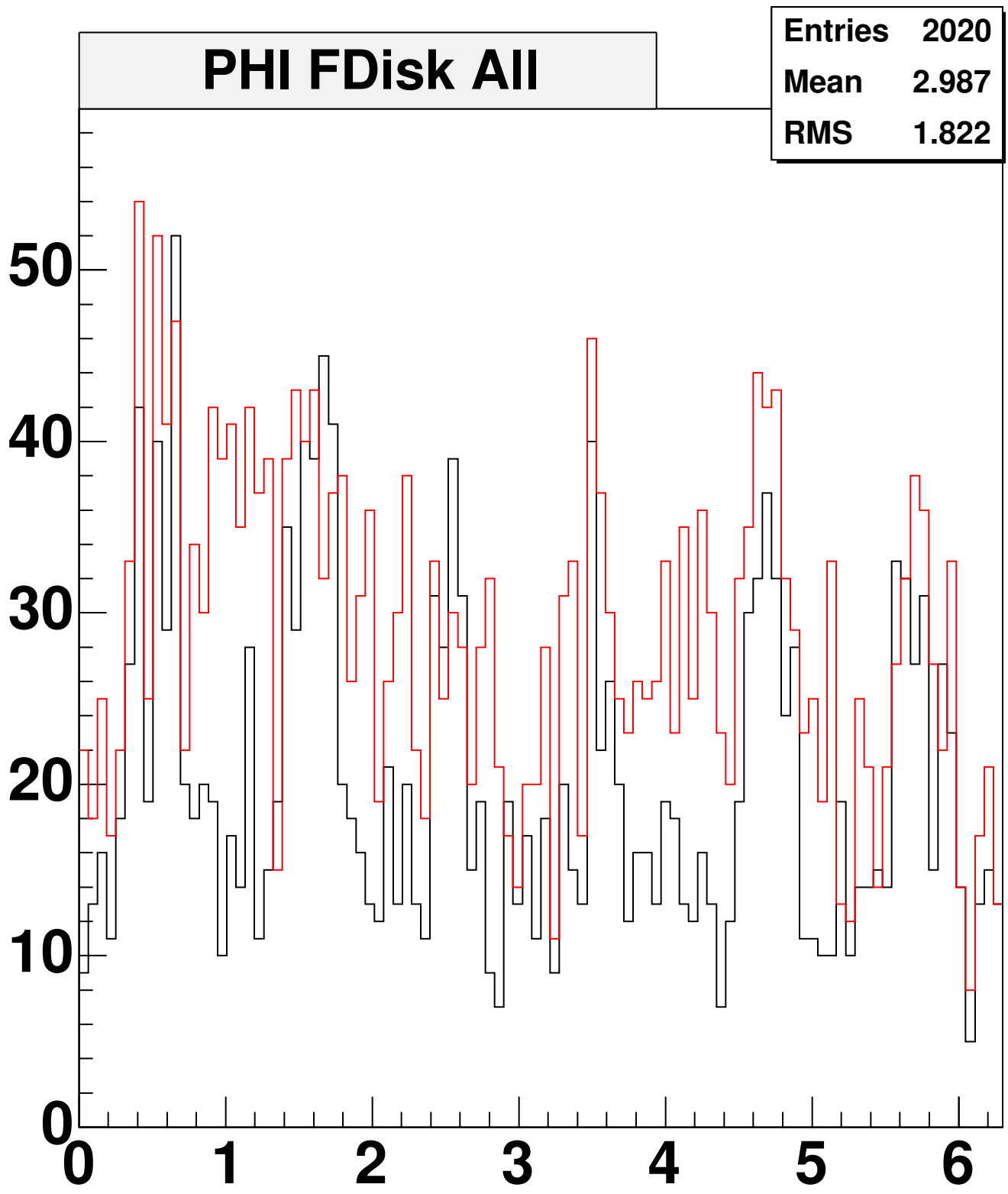
SmtClusters (ClustrBar6)

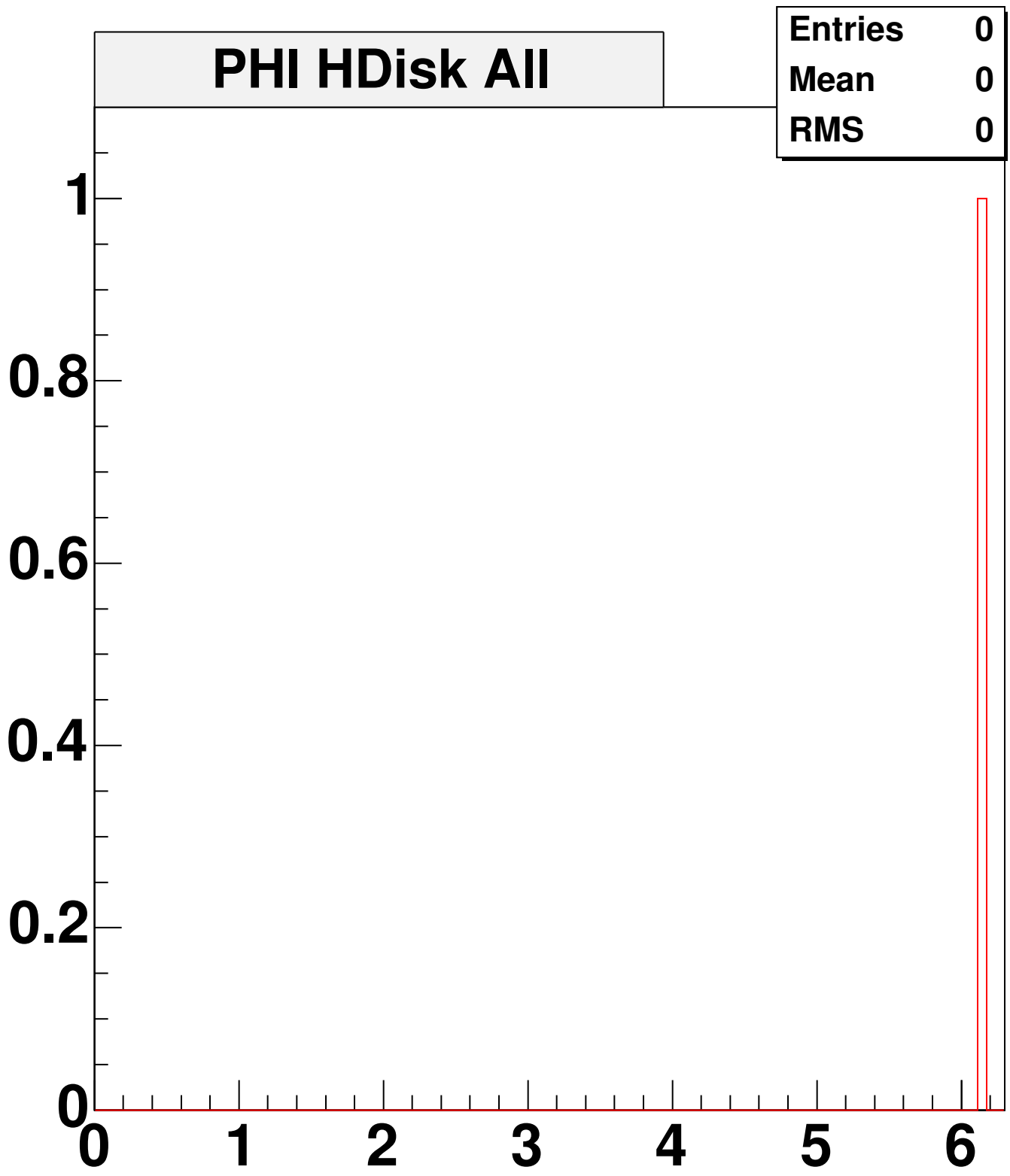


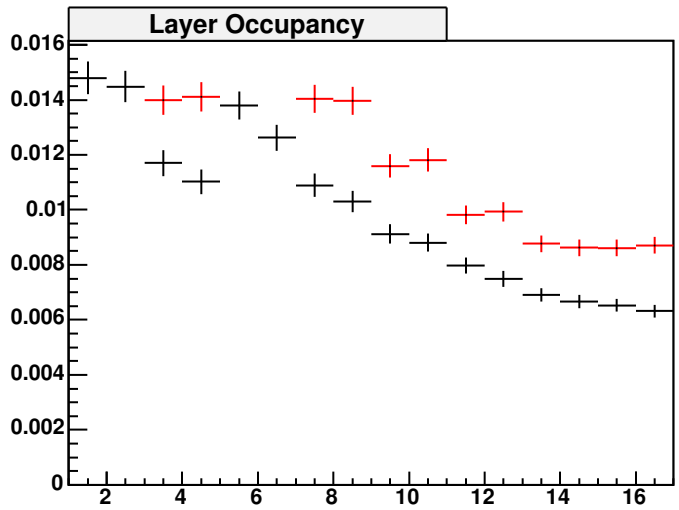
SmtClusters (FDiskClusters)

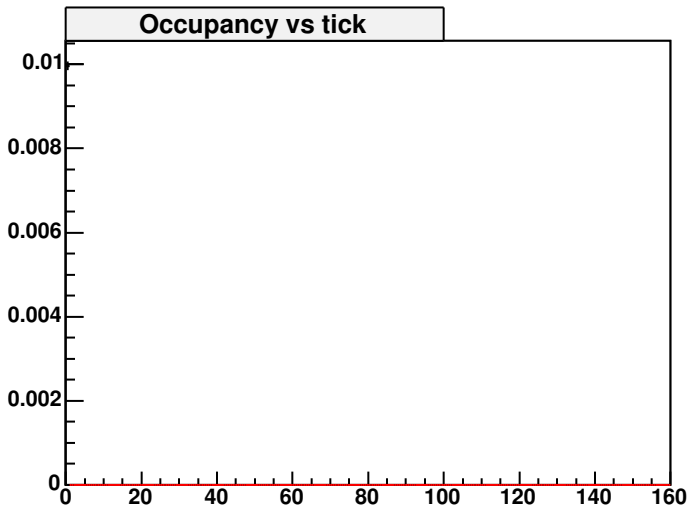

PHI HDisk1
Entries 5136
Mean 3.213
RMS 1.888
PHI HDisk2
Entries 5773
Mean 3.055
RMS 1.761
PHI HDisk3
Entries 5889
Mean 3.115
RMS 1.806
PHI HDisk4
Entries 5415
Mean 3.226
RMS 1.955
SmtClusters (HDiskClusters)

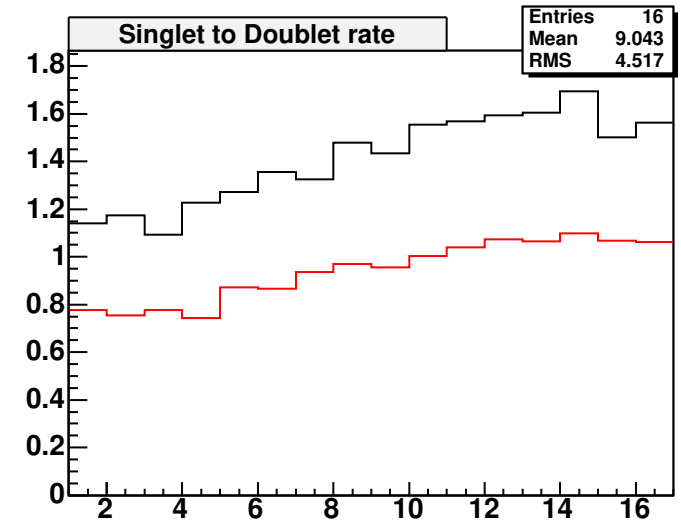

PHI
Entries 9785
Mean 3.137
RMS 1.821
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

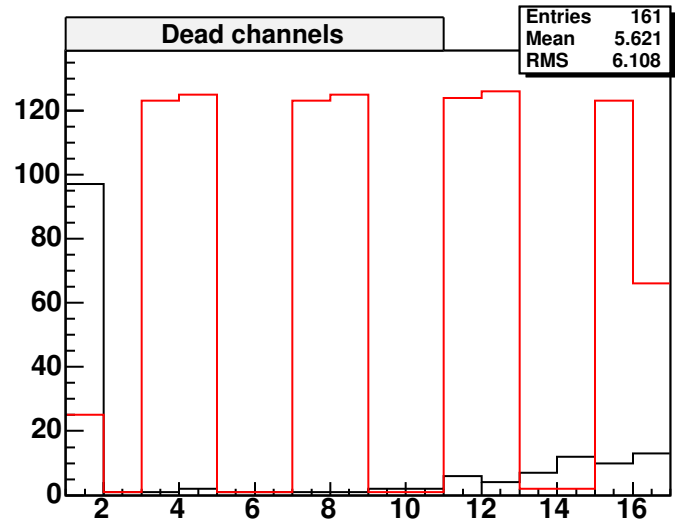

PHI FDisk All
Entries 2020
Mean 2.987
RMS 1.822
50
40
30
20
10
0
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

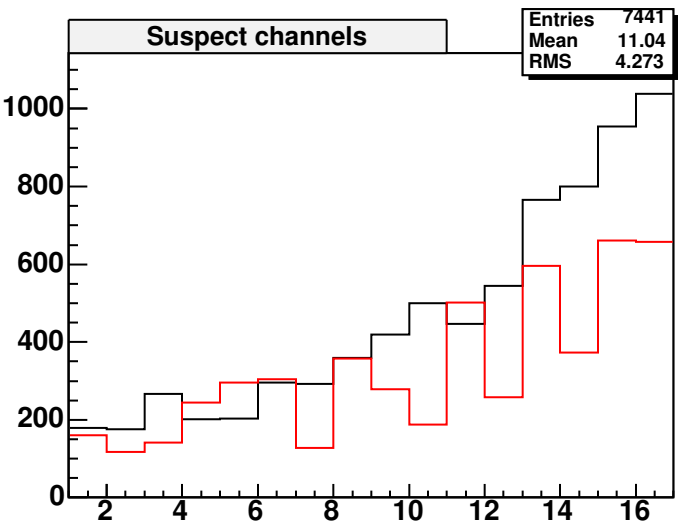

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.8
0.6
0.4
0.2
0
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

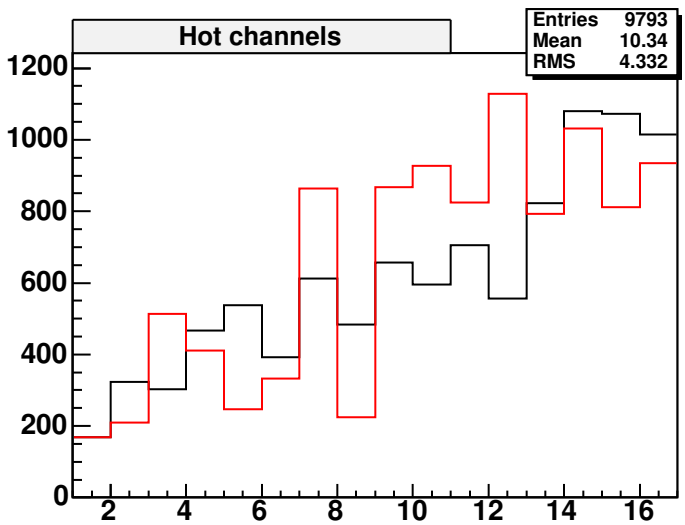




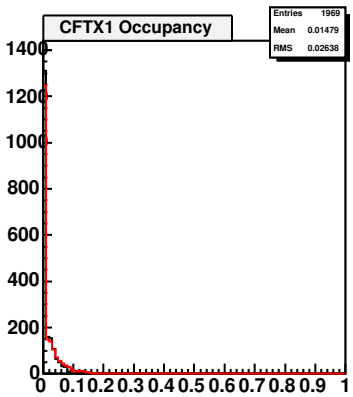


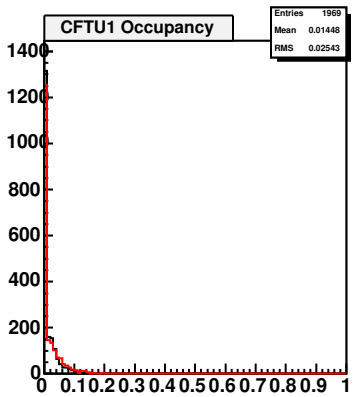


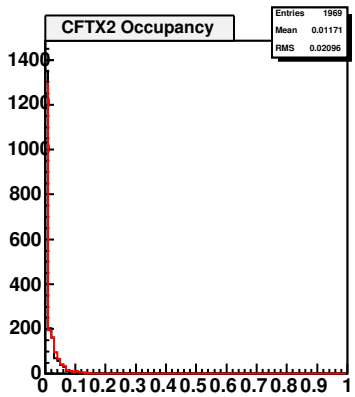


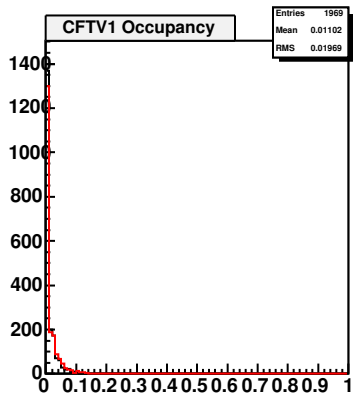


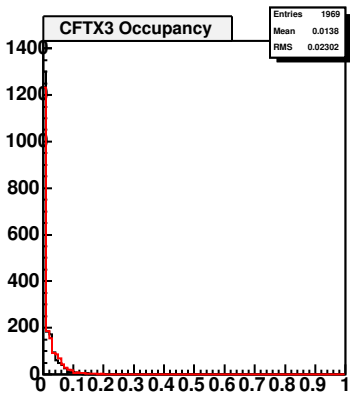
CFT Summary (All Clusters)

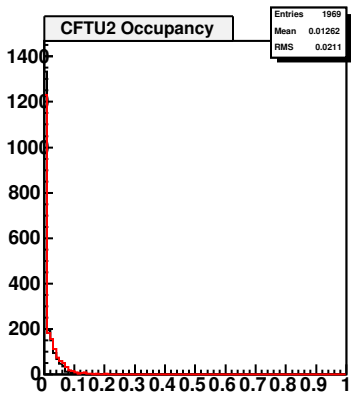


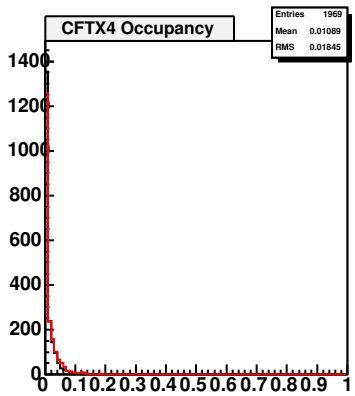


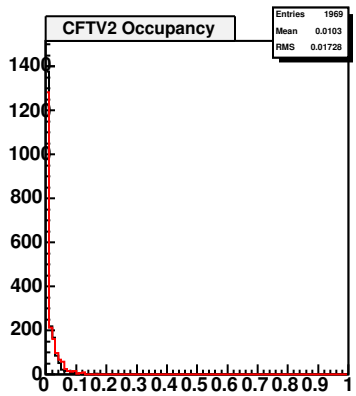


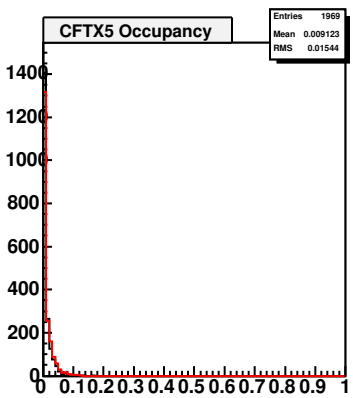


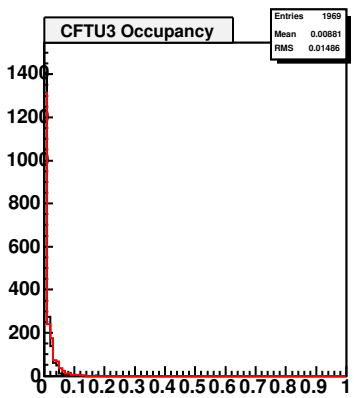


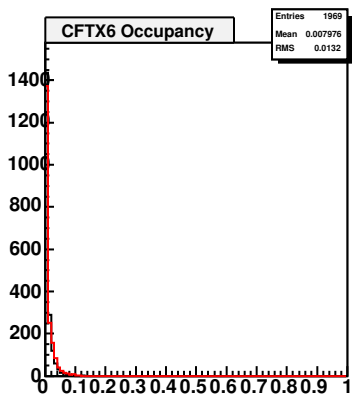


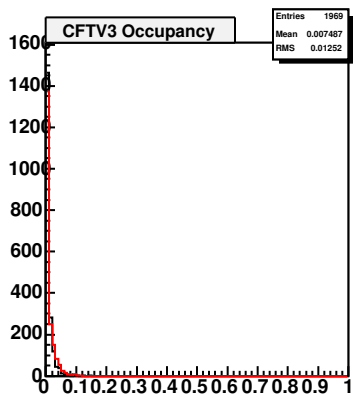


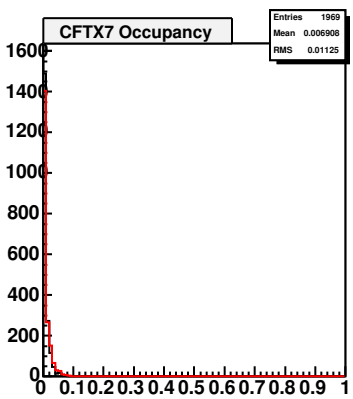


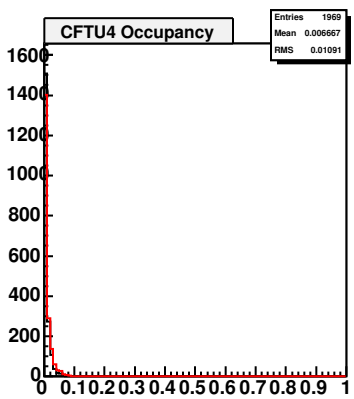


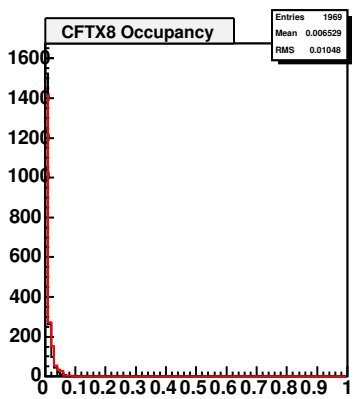


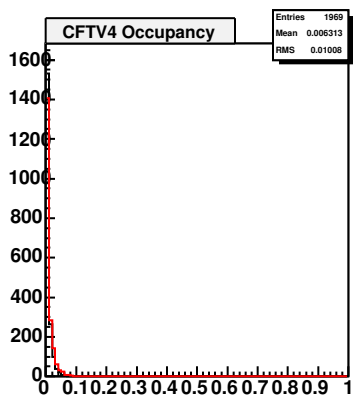




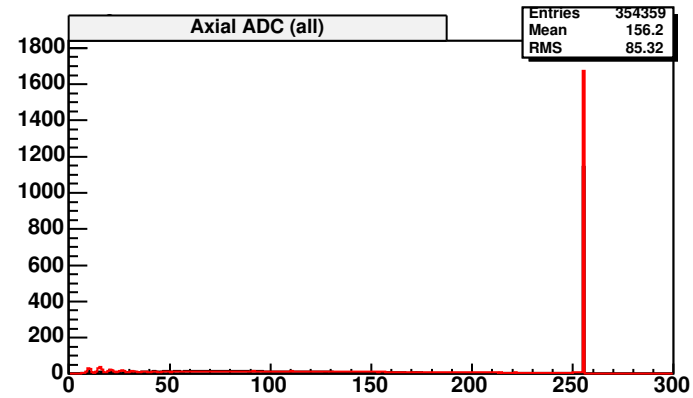


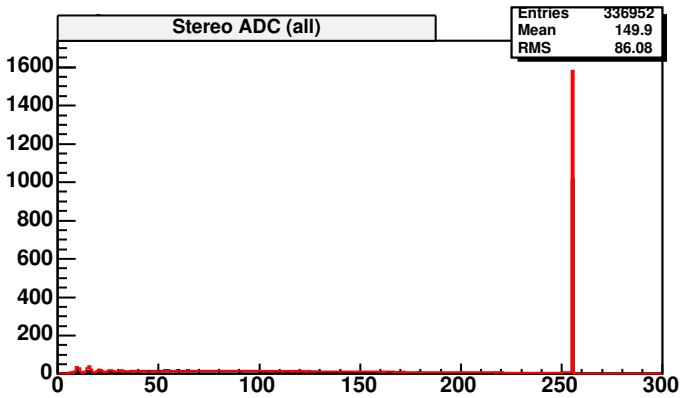


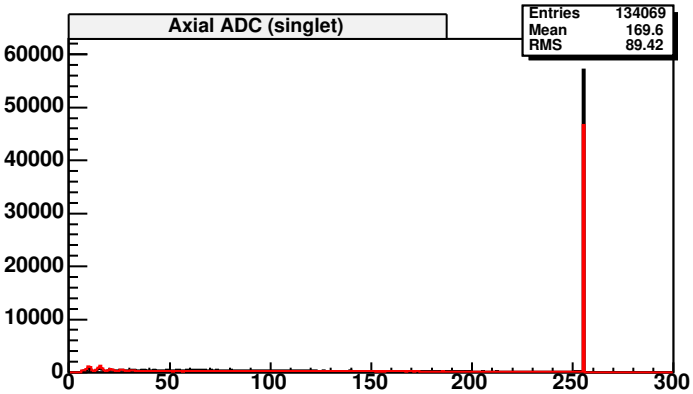


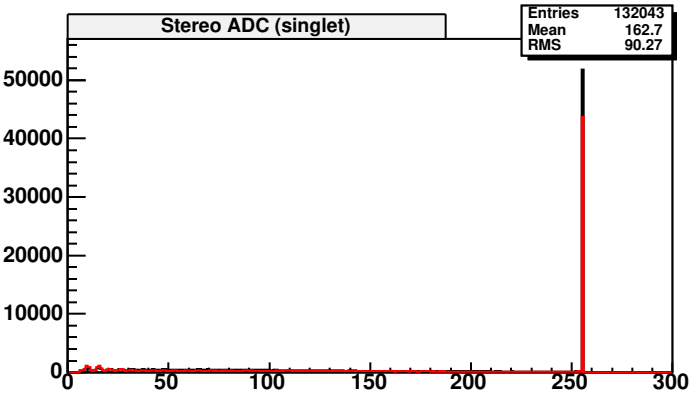


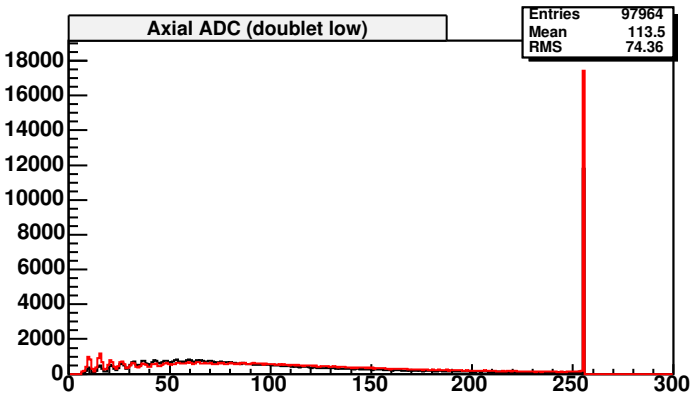
Cft Occupancy (All Clusters)

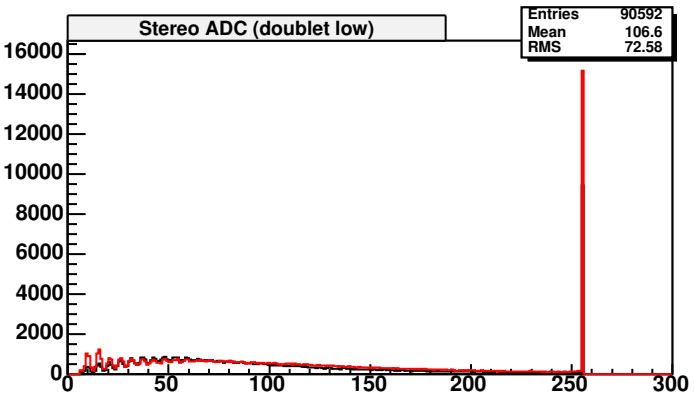


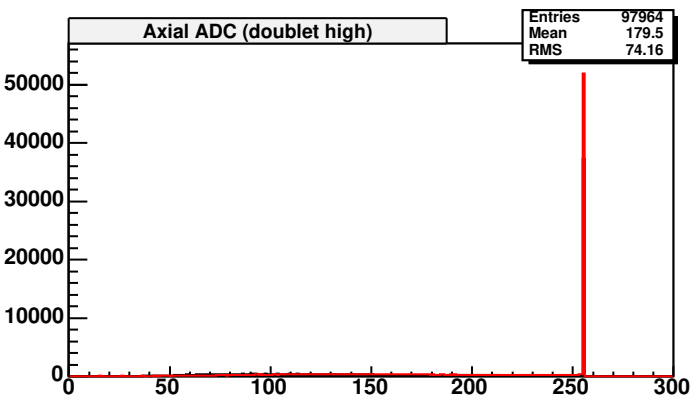


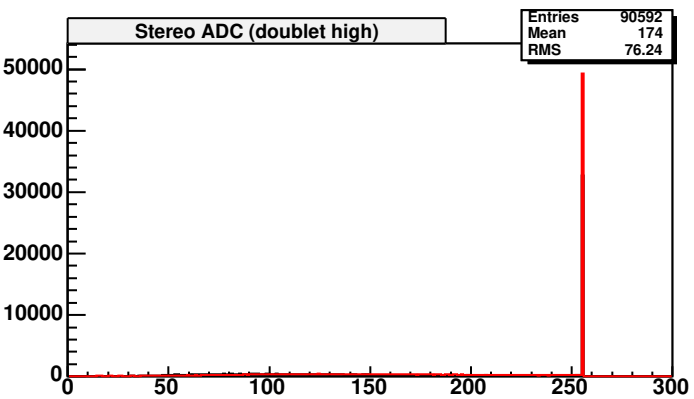




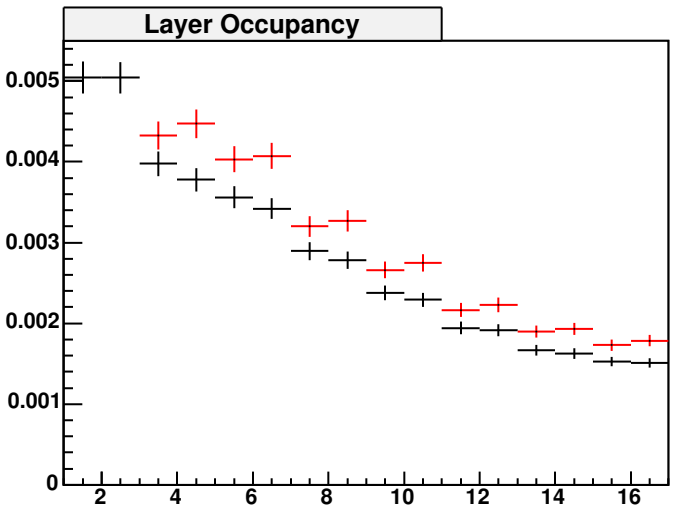


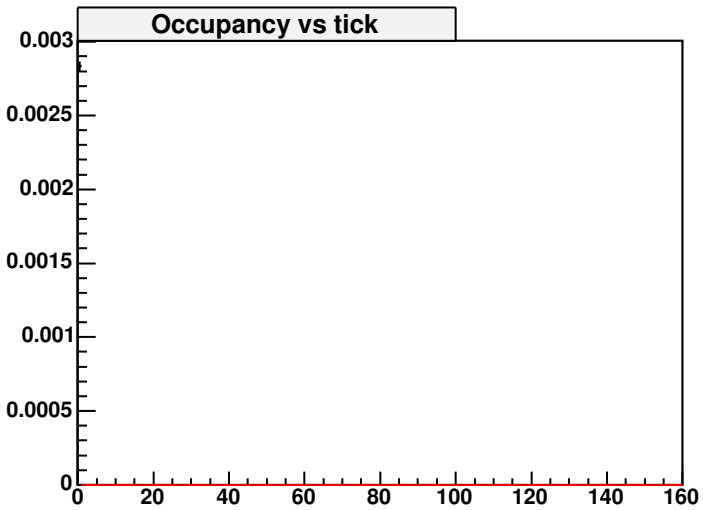


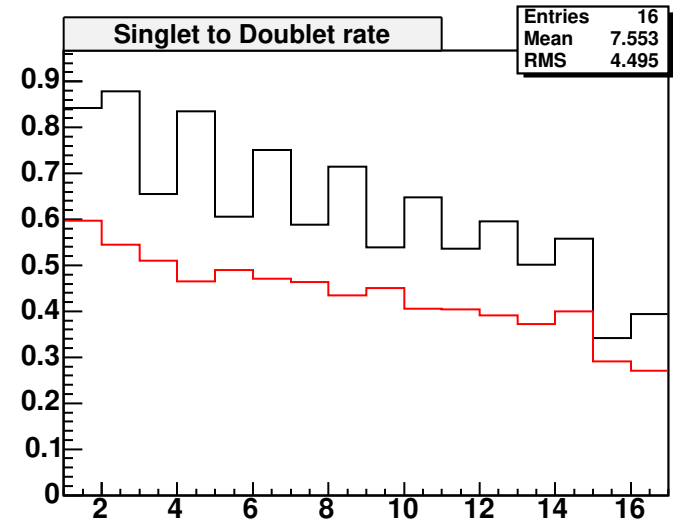


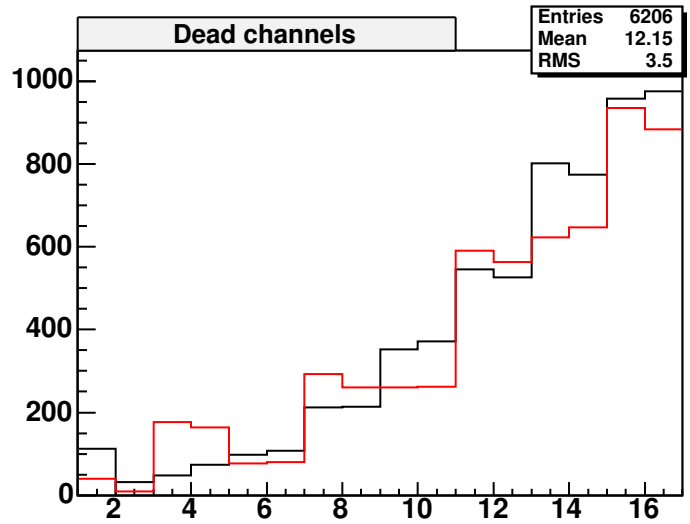


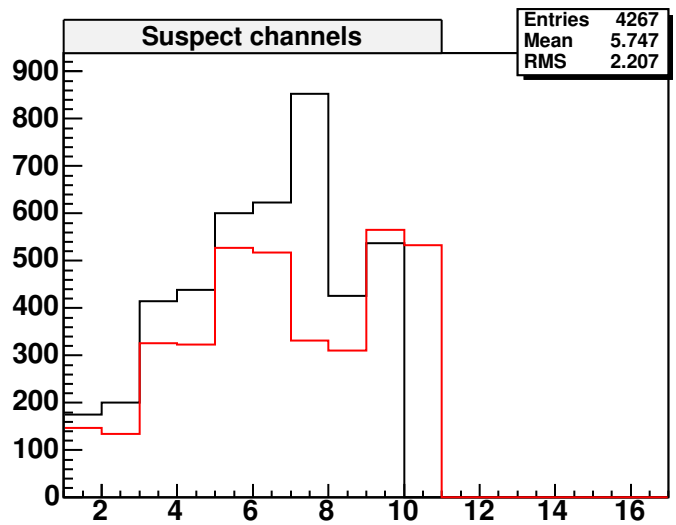
CFT ADC Summary (All Clusters)

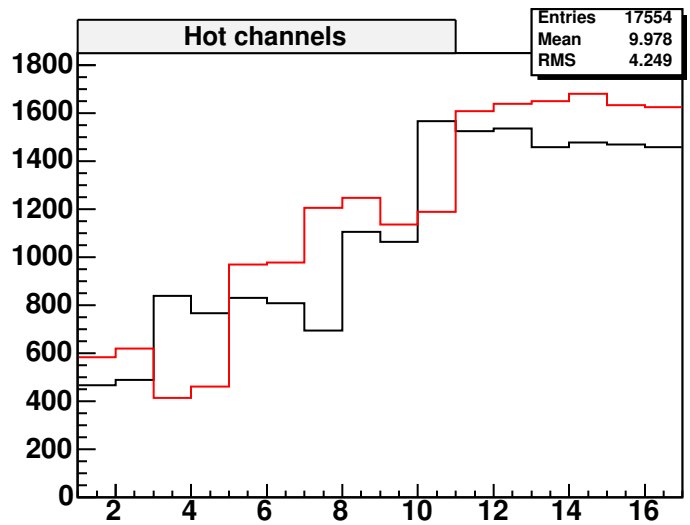




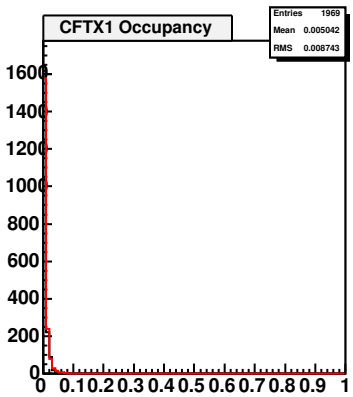


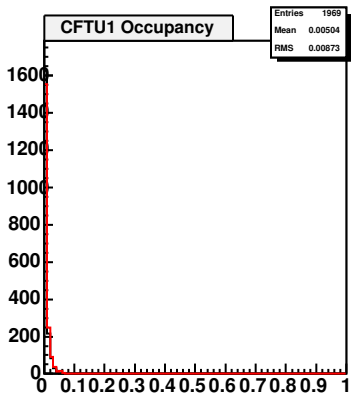


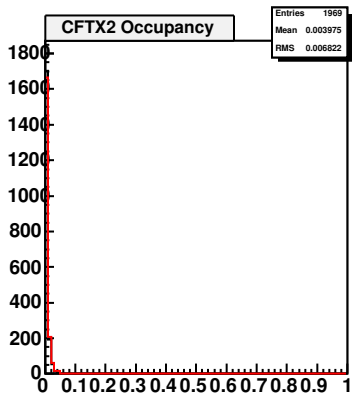


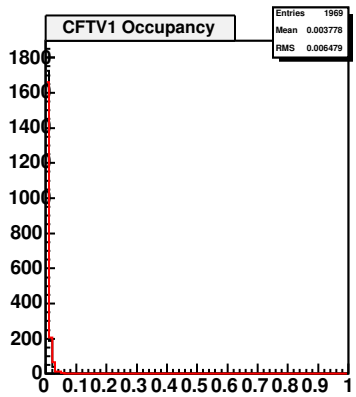


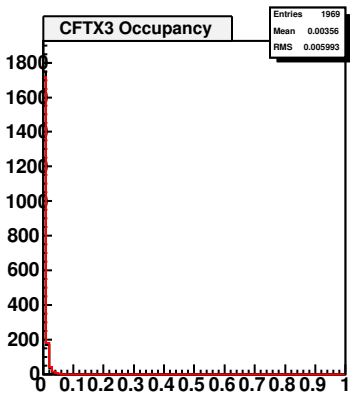
CFT Summary (Clusters on tracks)

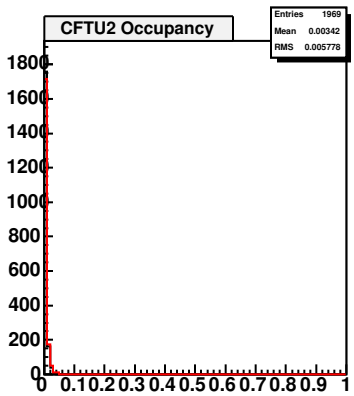


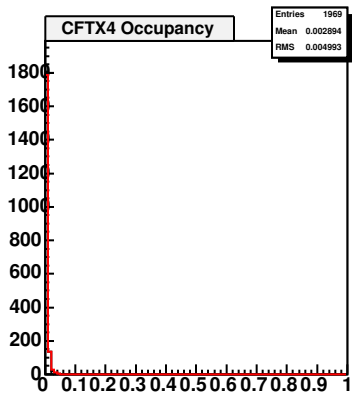


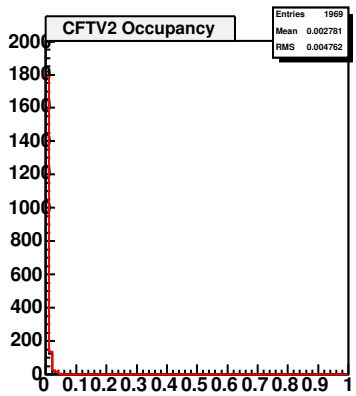


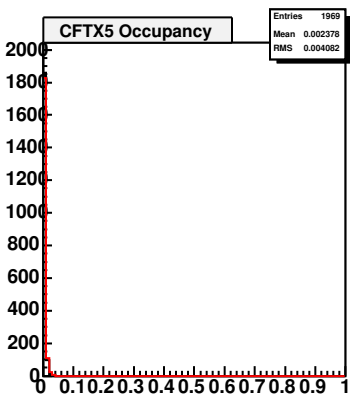


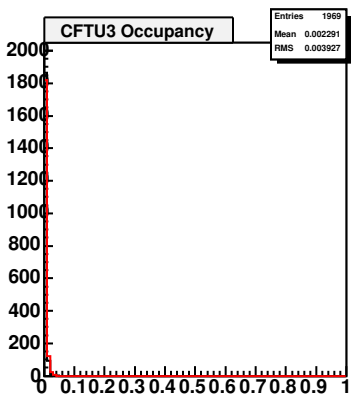


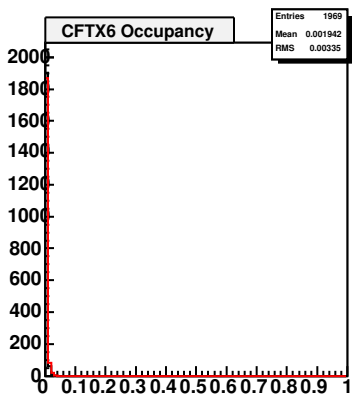


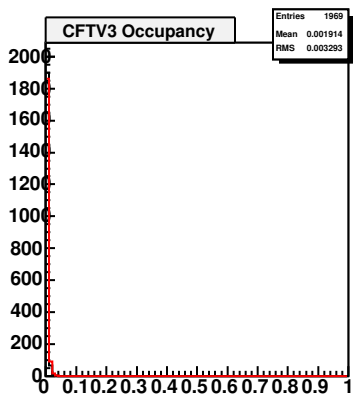


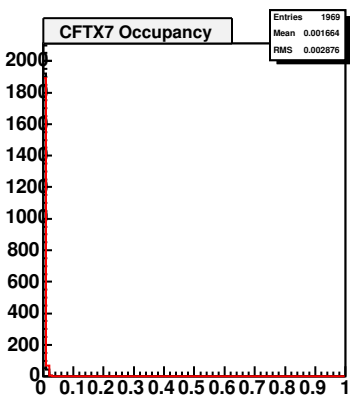


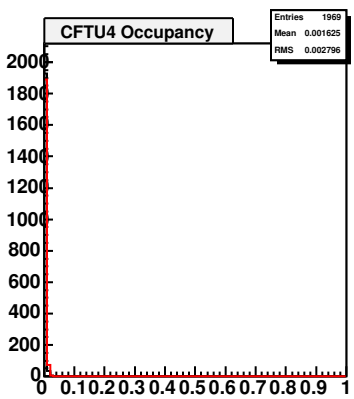


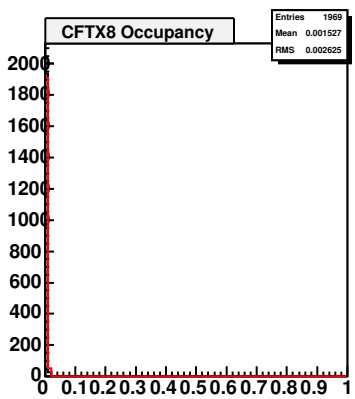


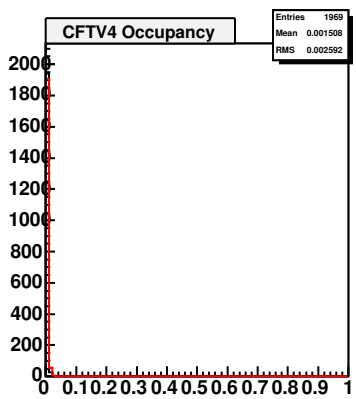




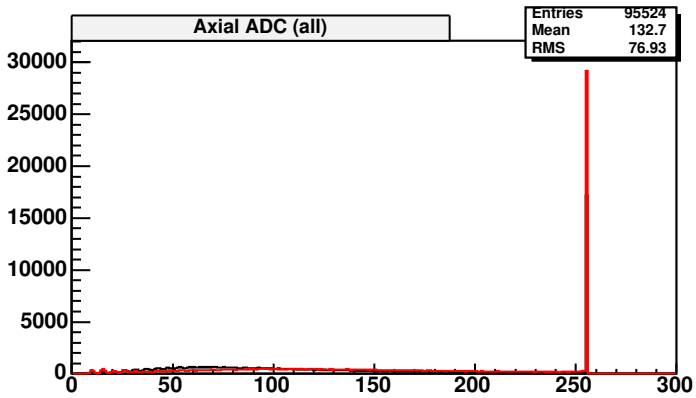


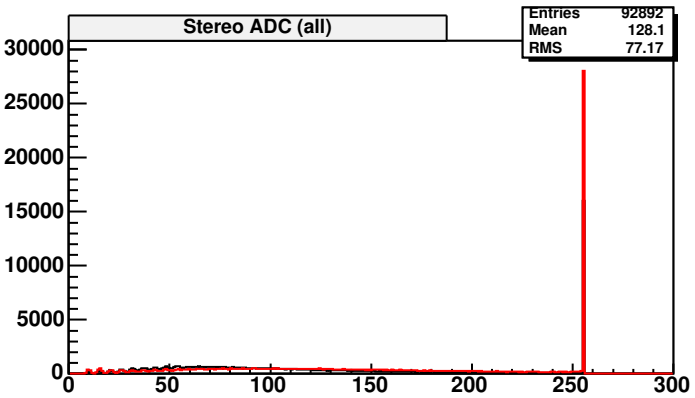


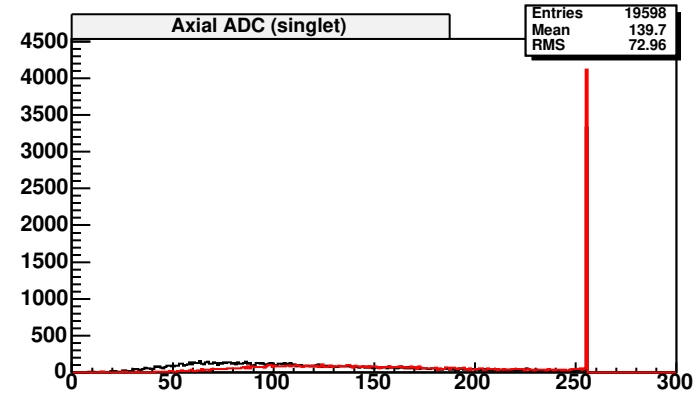


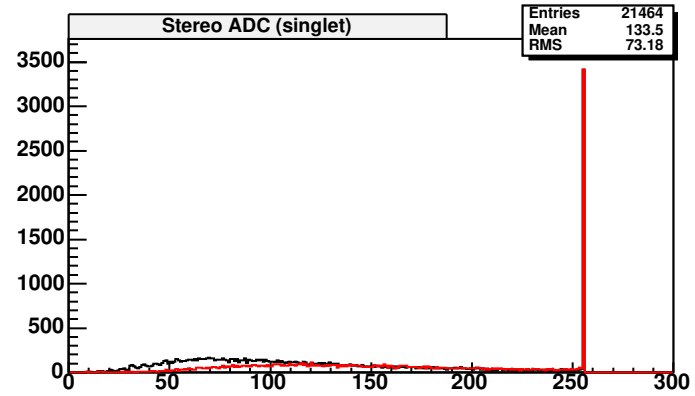


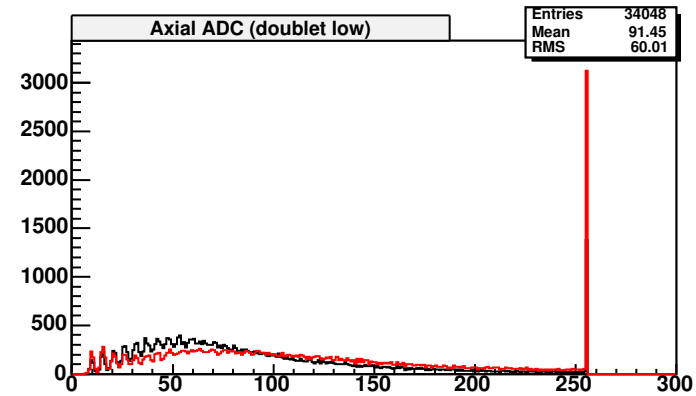
Cft Occupancy (Clusters on tracks)

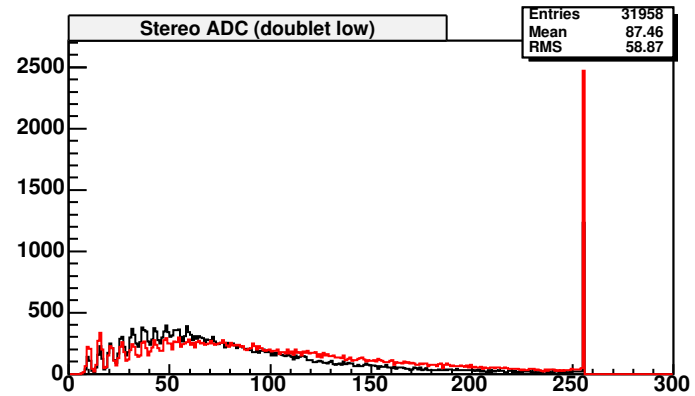


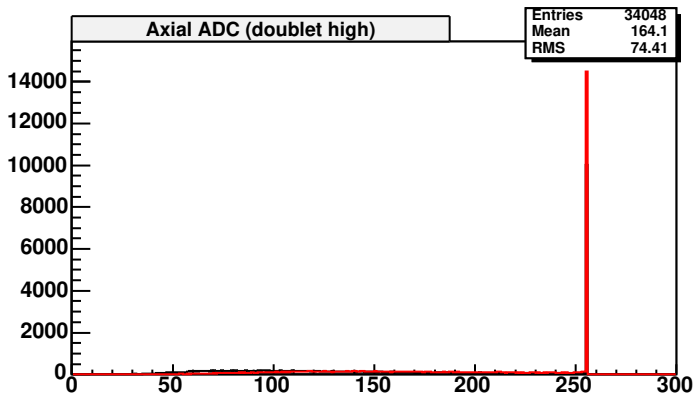


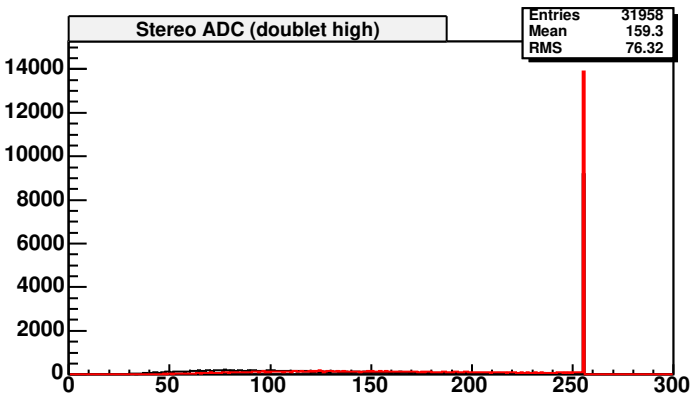




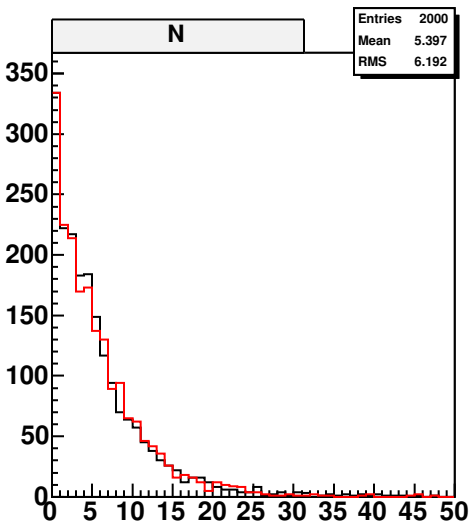


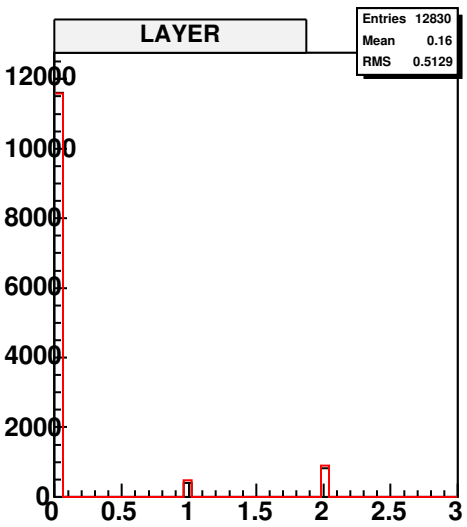


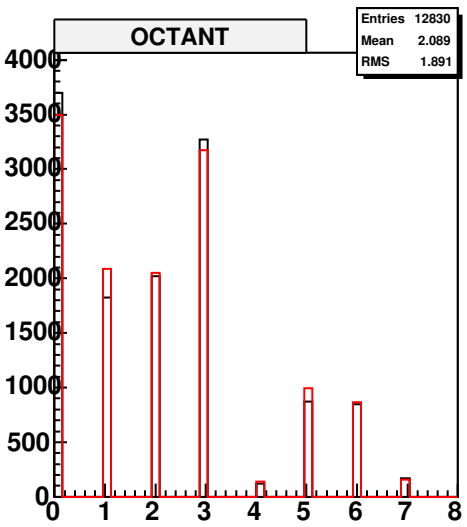


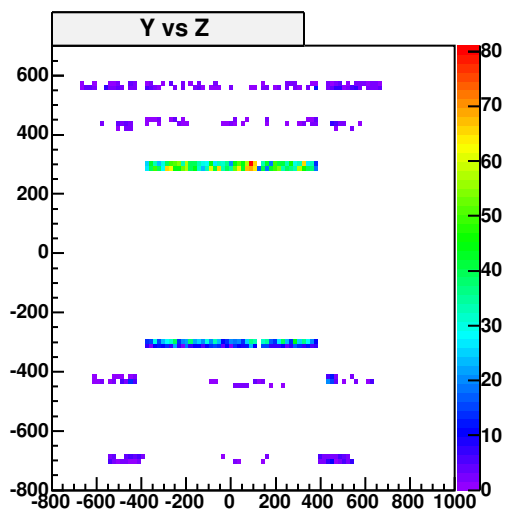


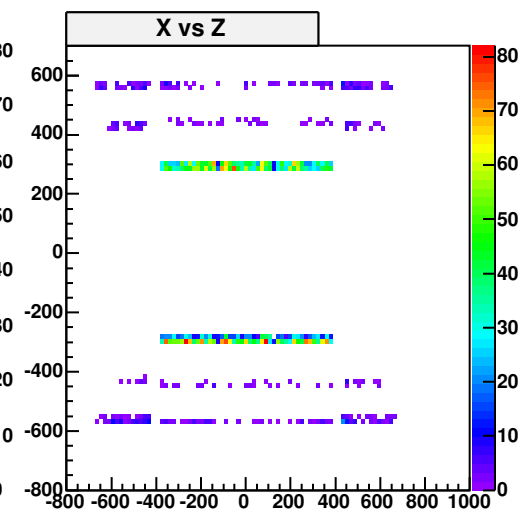
CFT ADC Summary (Clusters on tracks)

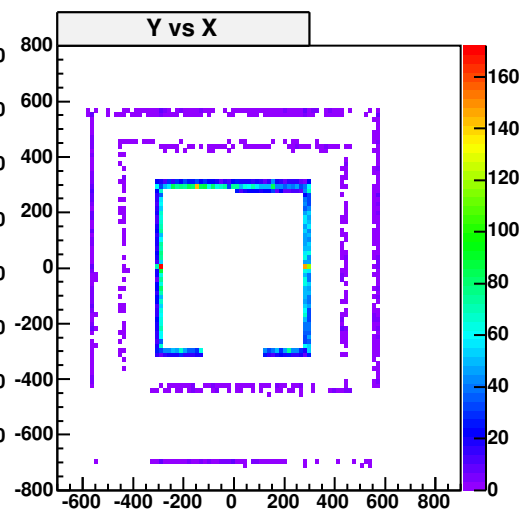

N
Entries 2000
Mean 5.397
RMS 6.192

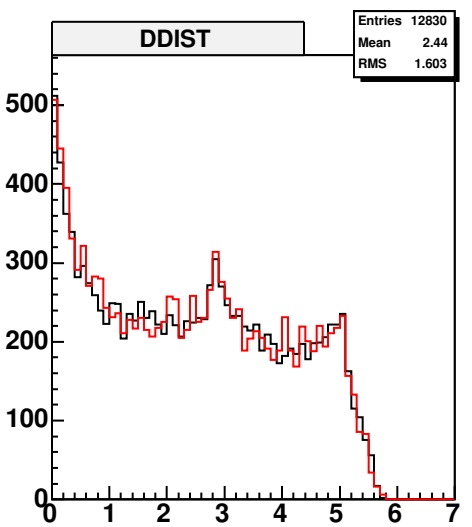

LAYER
Entries 12830
Mean 0.16
RMS 0.5129

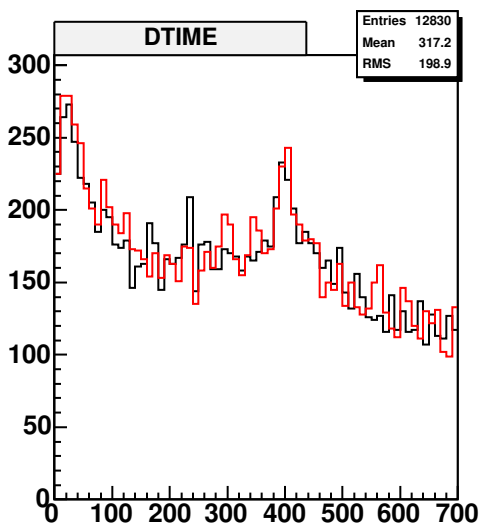

OCTANT
Entries 12830
Mean 2.089
RMS 1.891


Y vs Z

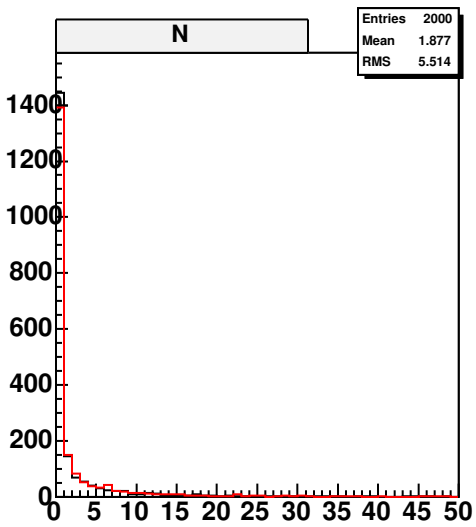

X vs Z

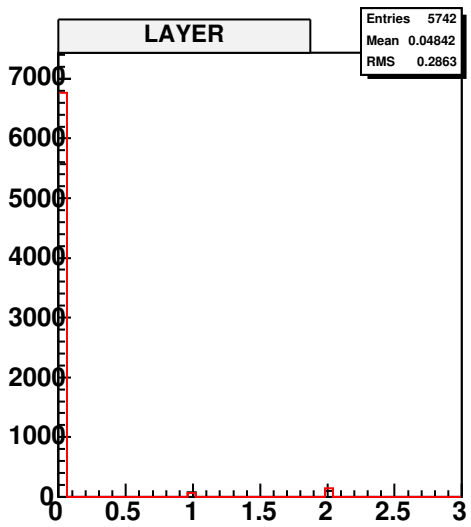

Y vs X

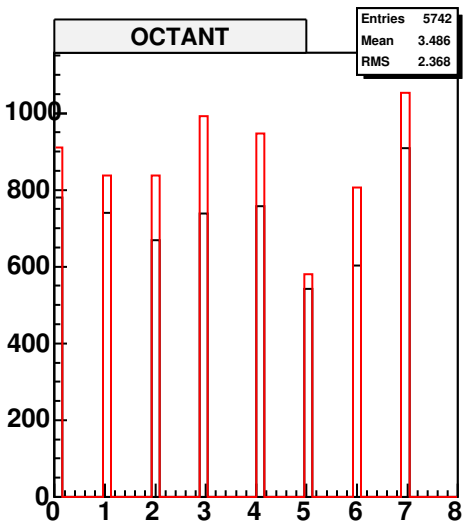

DDIST
Entries 12830
Mean 2.44
RMS 1.603

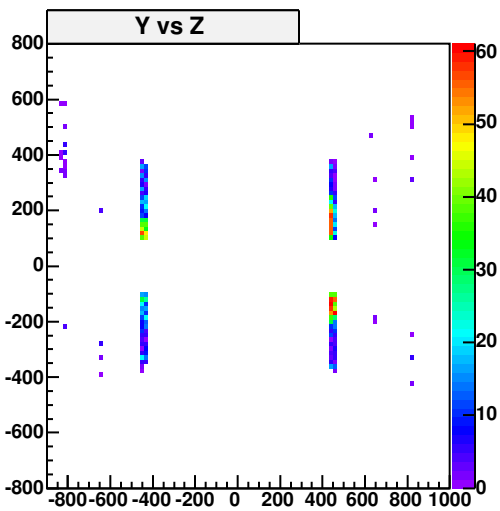

DTIME
Entries 12830
Mean 317.2
RMS 198.9

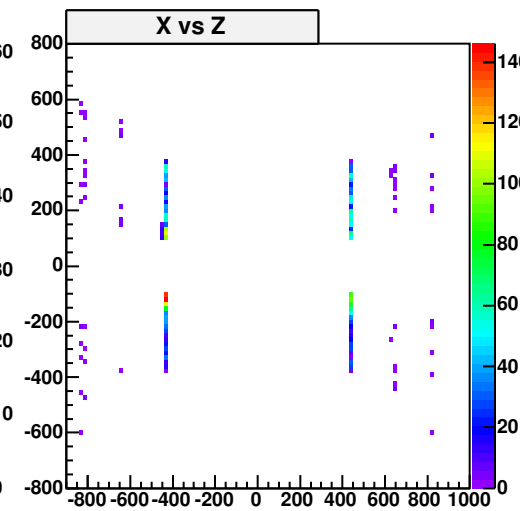
MuonPDT (All)

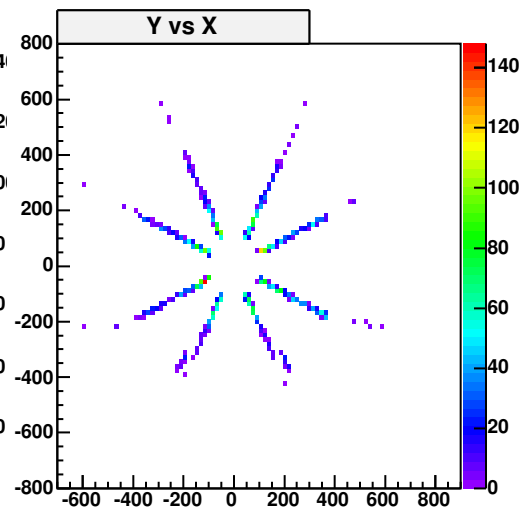

N
Entries 2000
Mean 1.877
RMS 5.514

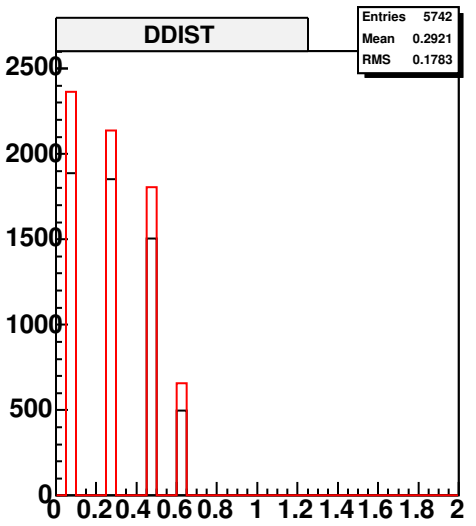

LAYER
Entries 5742
Mean 0.04842
RMS 0.2863

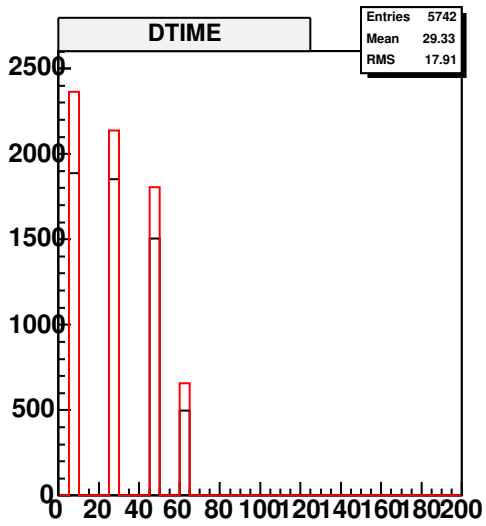

OCTANT
Entries 5742
Mean 3.486
RMS 2.368


Y vs Z

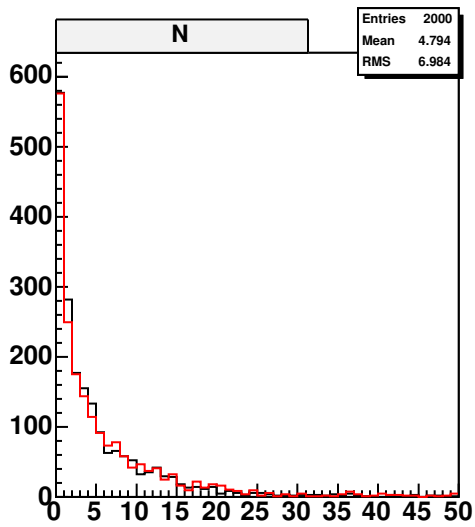

X vs Z

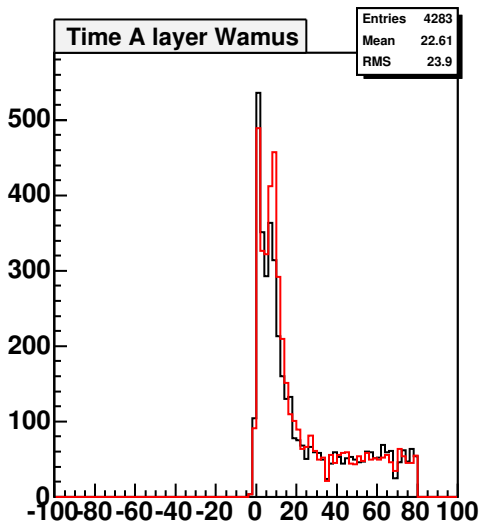

Y vs X

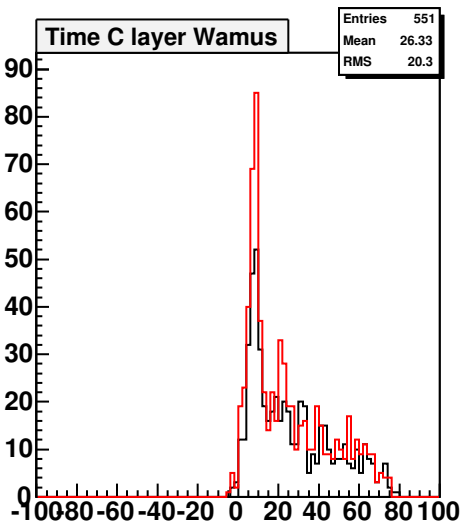

DDIST
Entries 5742
Mean 0.2921
RMS 0.1783

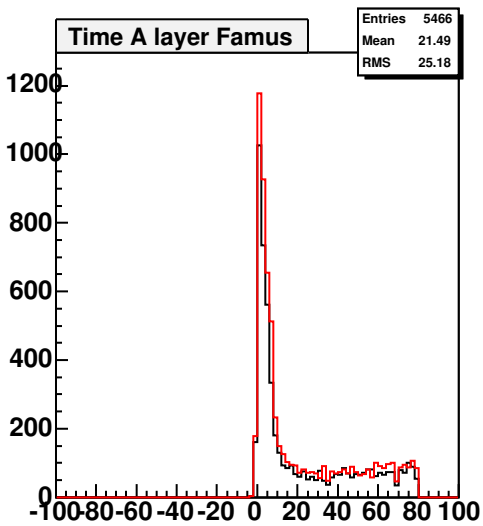

DTIME
Entries 5742
Mean 29.33
RMS 17.91

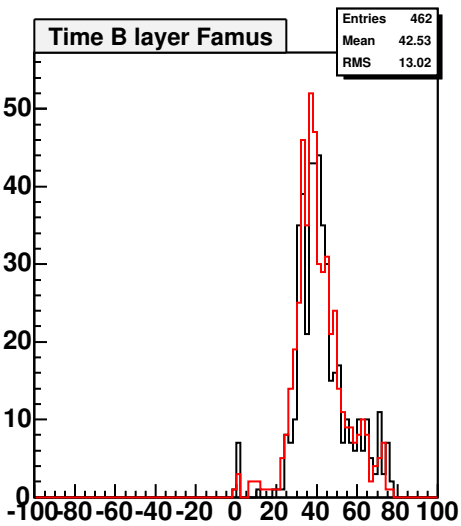
MuonMDT (All)

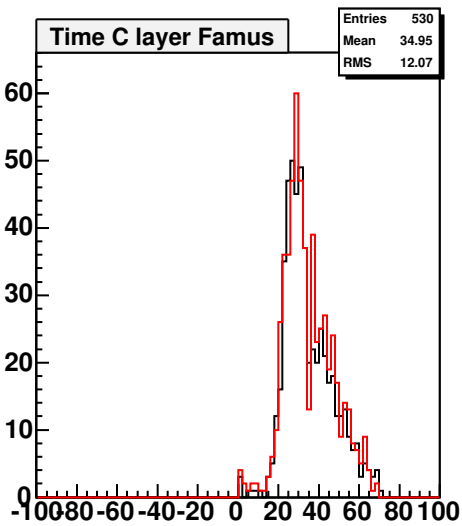

N
Entries 2000
Mean 4.794
RMS 6.984

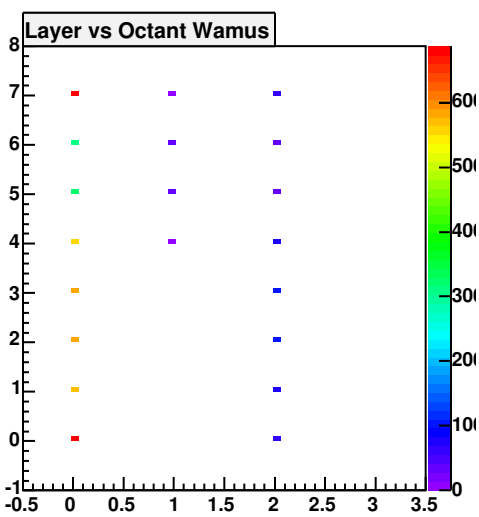

Time A layer Wamus
Entries 4283
Mean 22.61
RMS 23.9

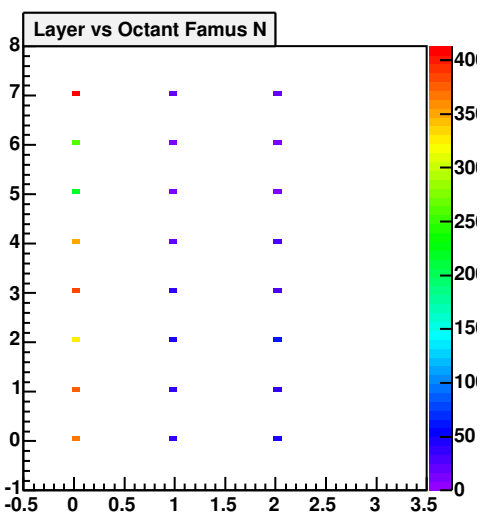

Time C layer Wamus
Entries 551
Mean 26.33
RMS 20.3

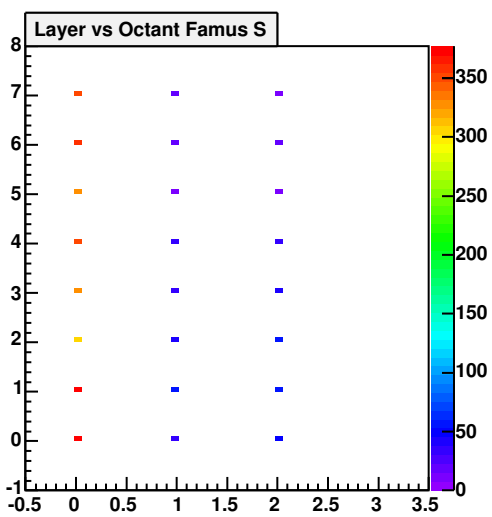

Time A layer Famus
Entries 5466
Mean 21.49
RMS 25.18


Time B layer Famus
Entries 462
Mean 42.53
RMS 13.02

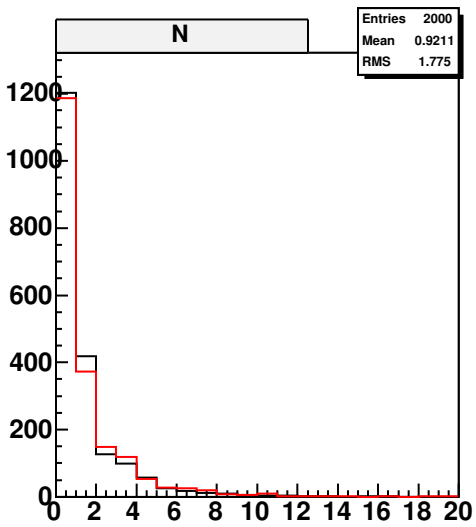

Time C layer Famus
Entries 530
Mean 34.95
RMS 12.07

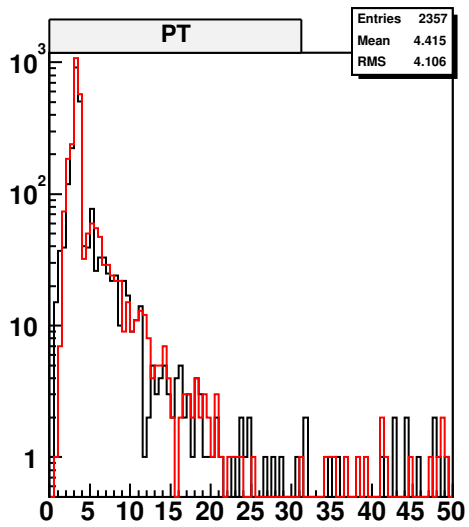

Layer vs Octant Wamus

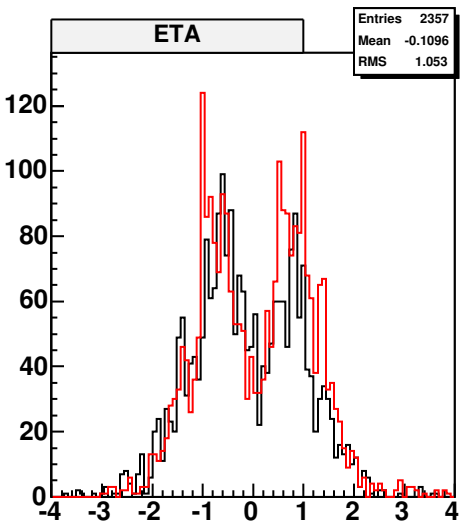

Layer vs Octant Famus N

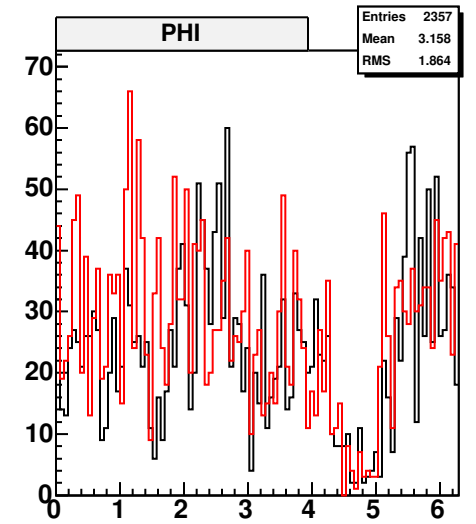

Layer vs Octant Famus S

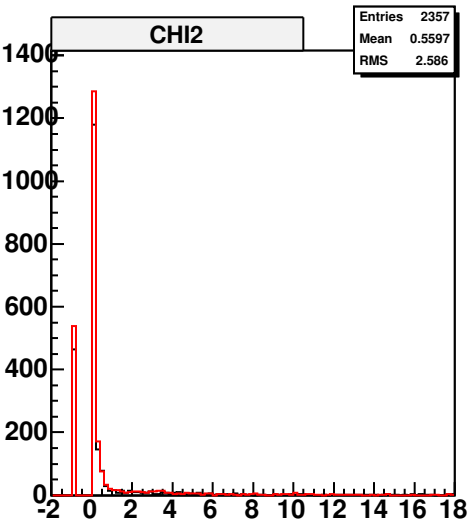
MuonMSC (All)

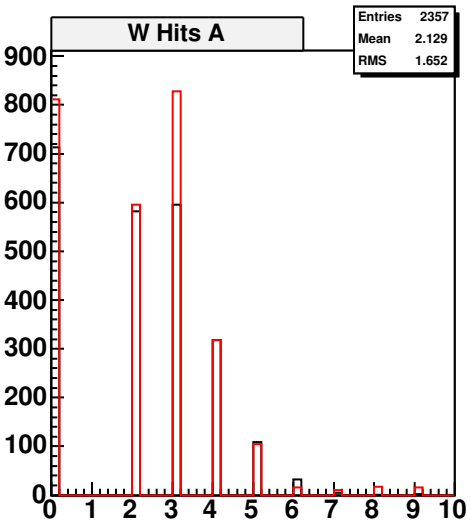


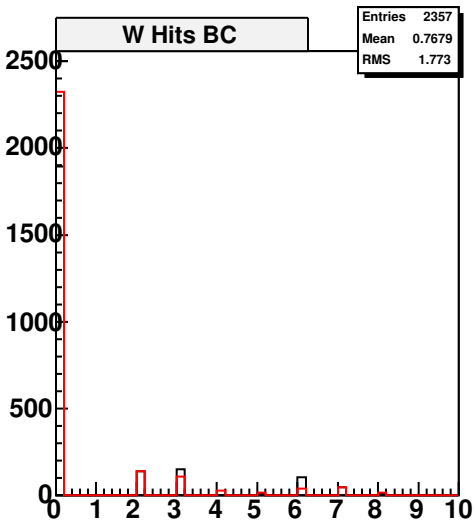


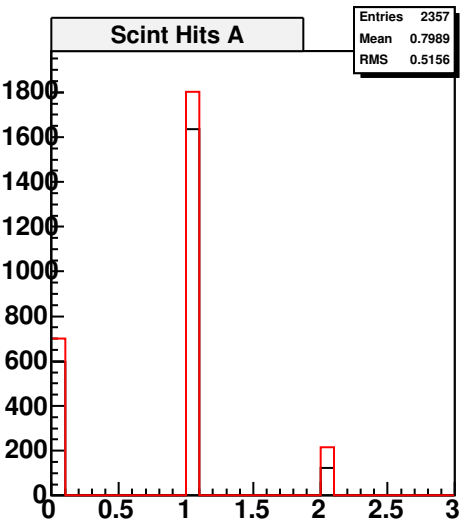


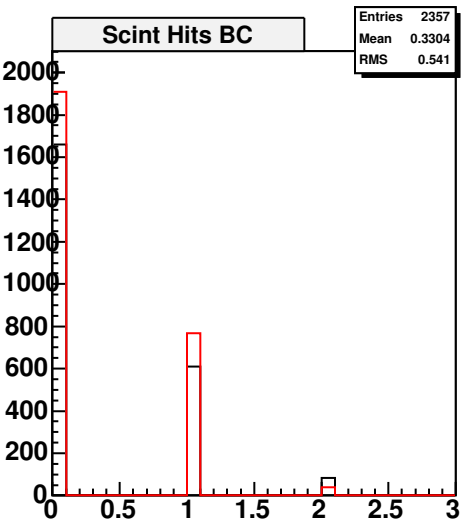




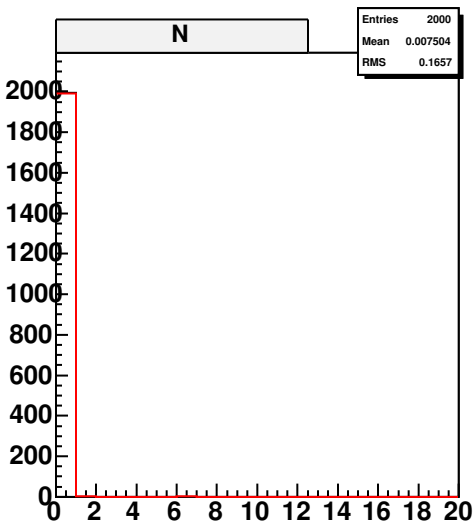


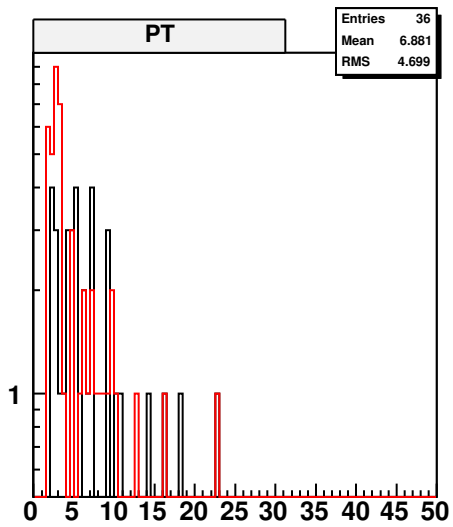


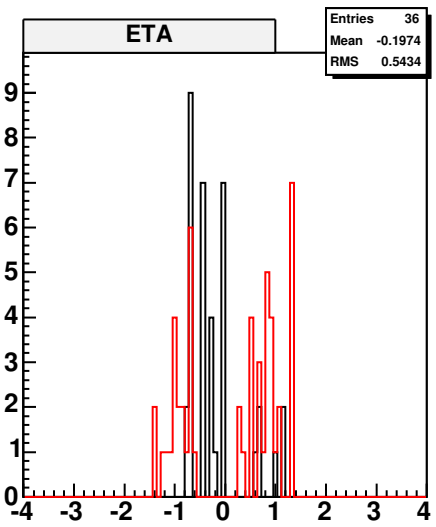


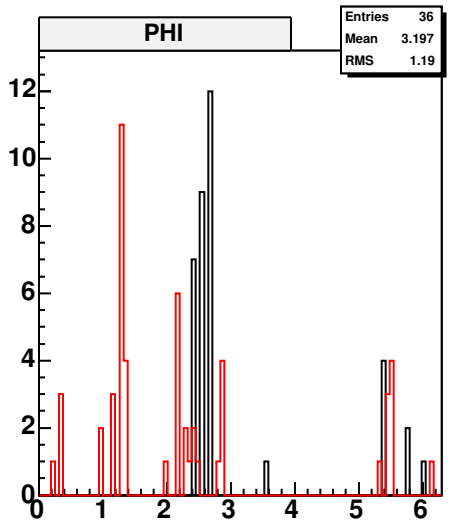


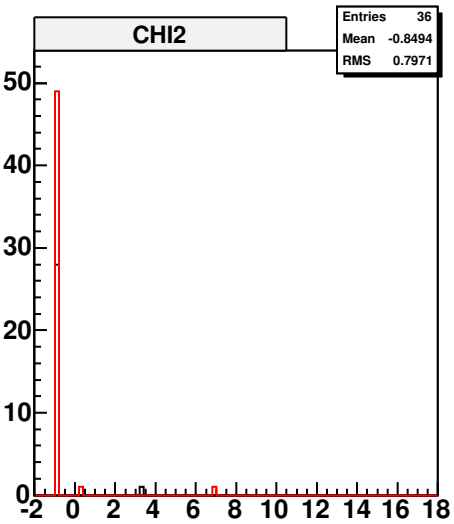
Muon Local Tracks (All)

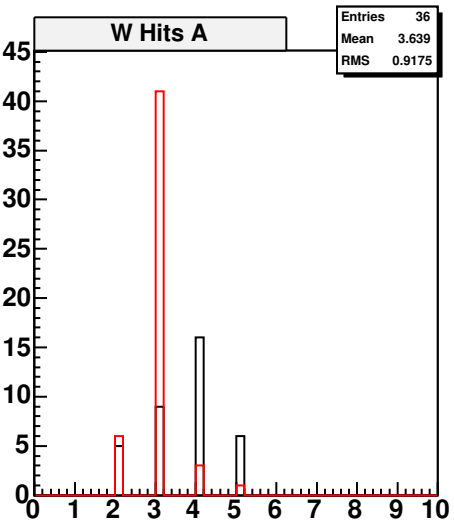


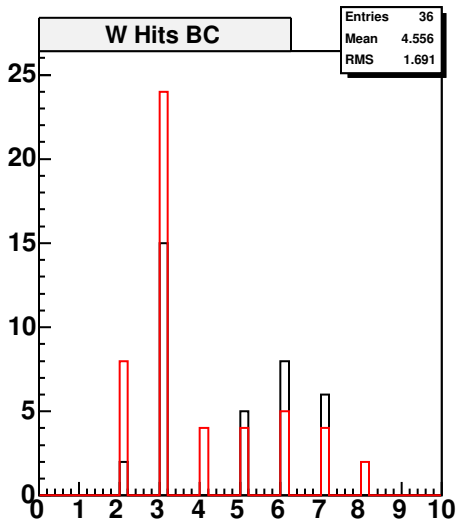


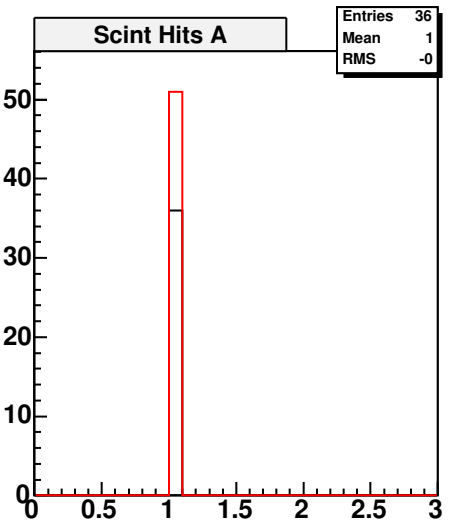


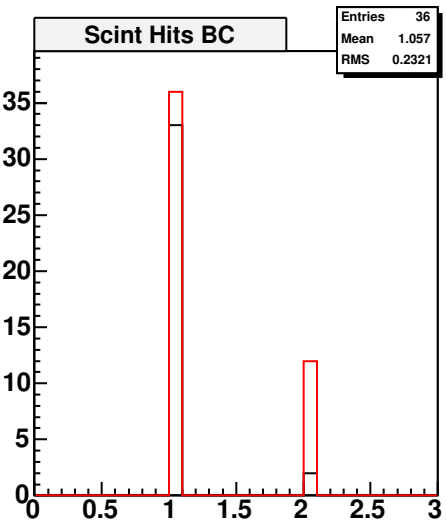




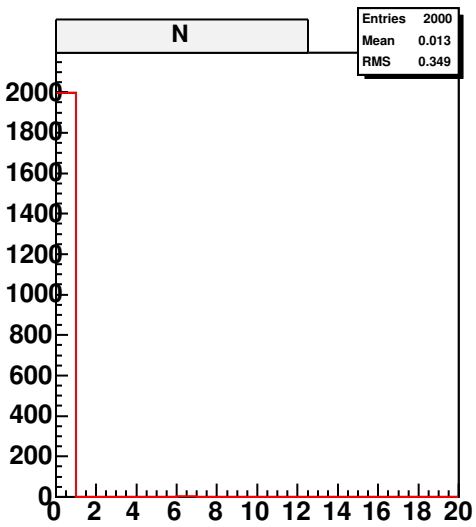


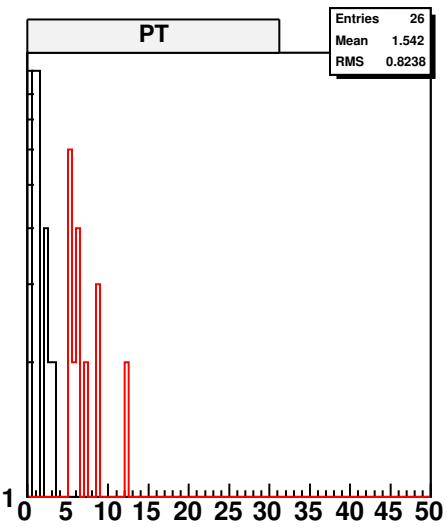


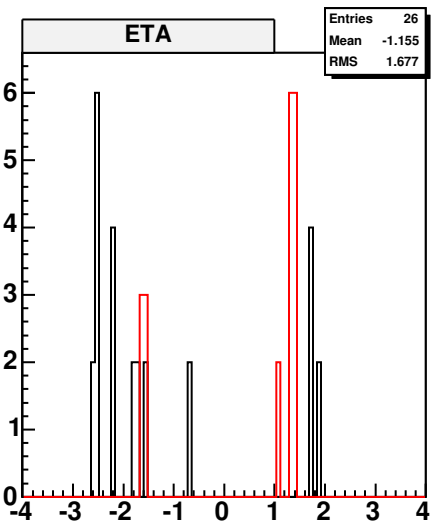


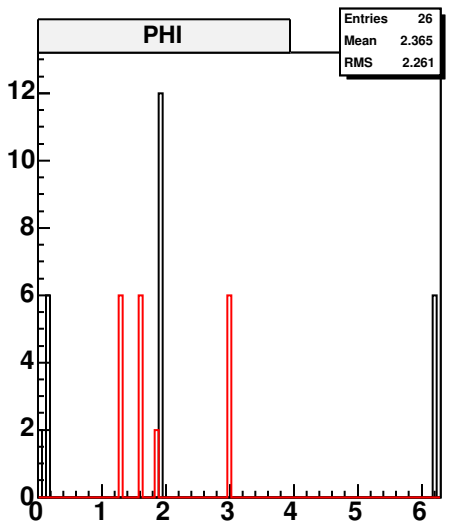


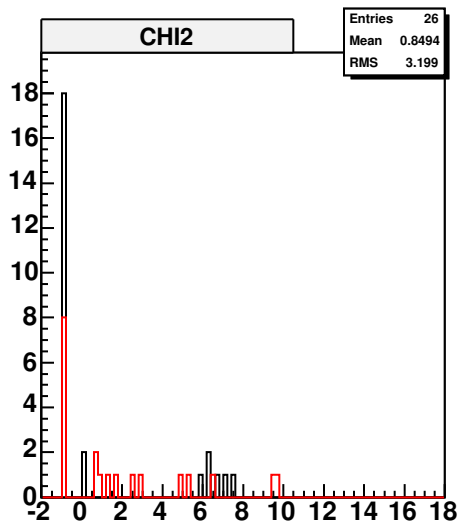
Muon Local Tracks (MediumWamus)

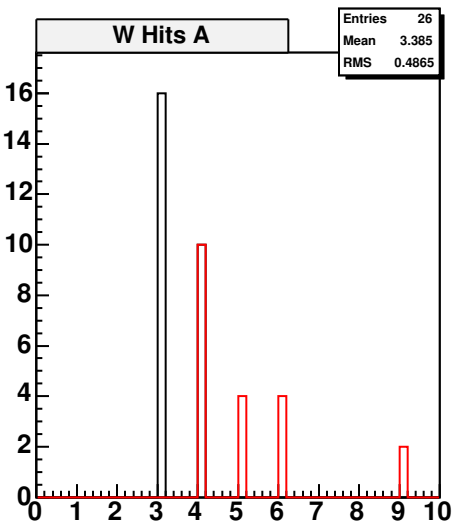


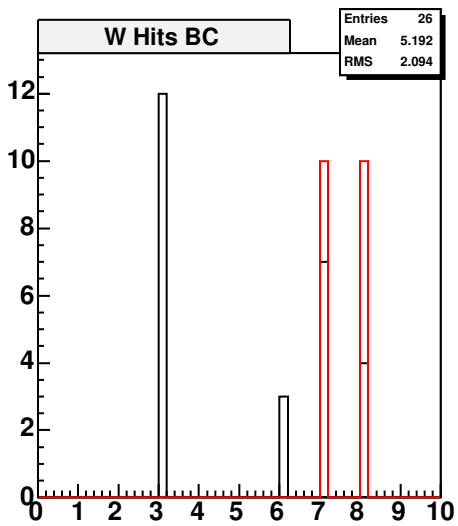


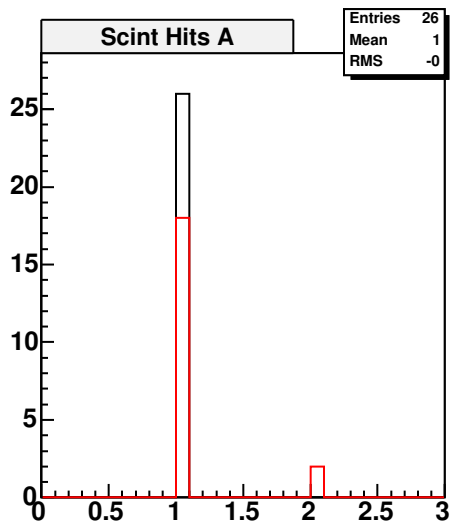


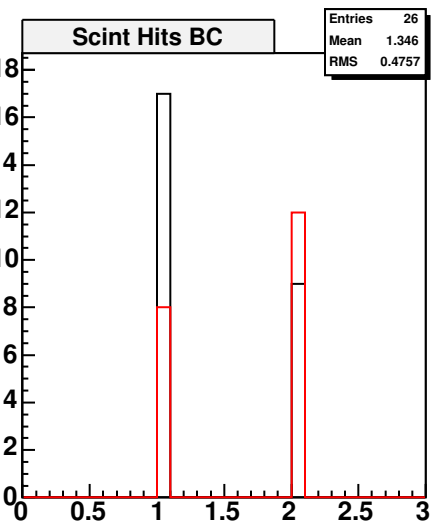




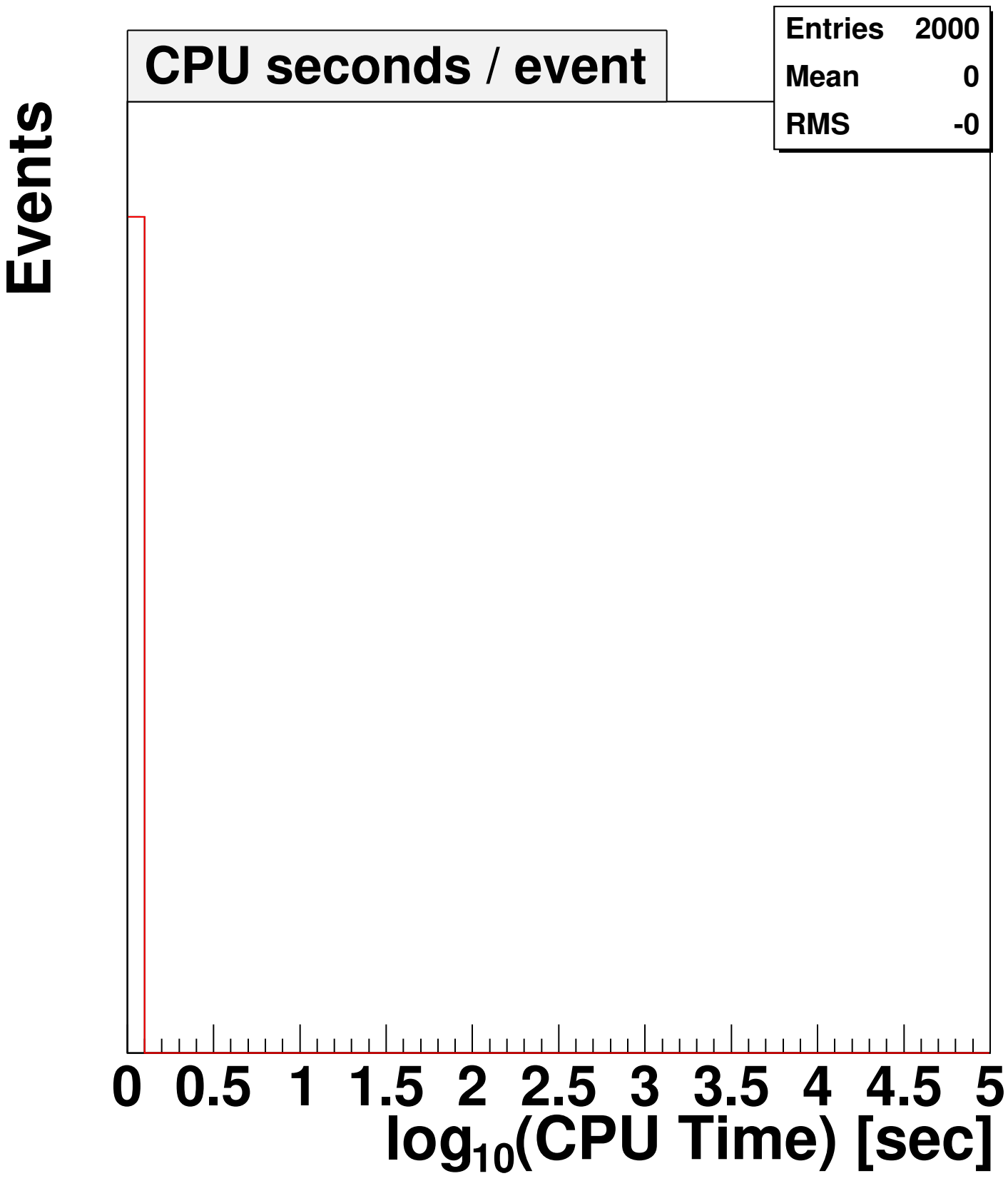








Muon Local Tracks (MediumFamus)



RECO Performance (Timing)