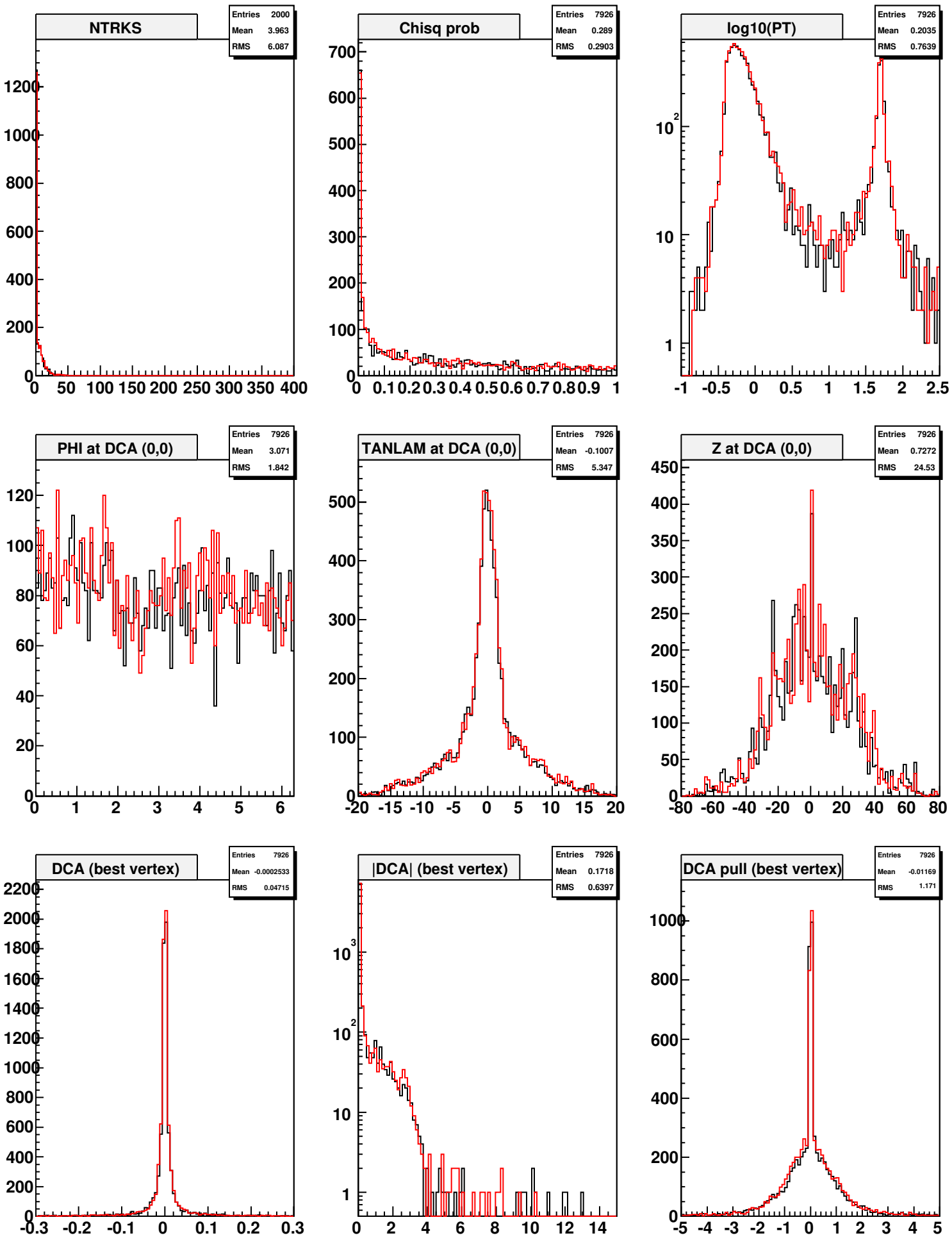
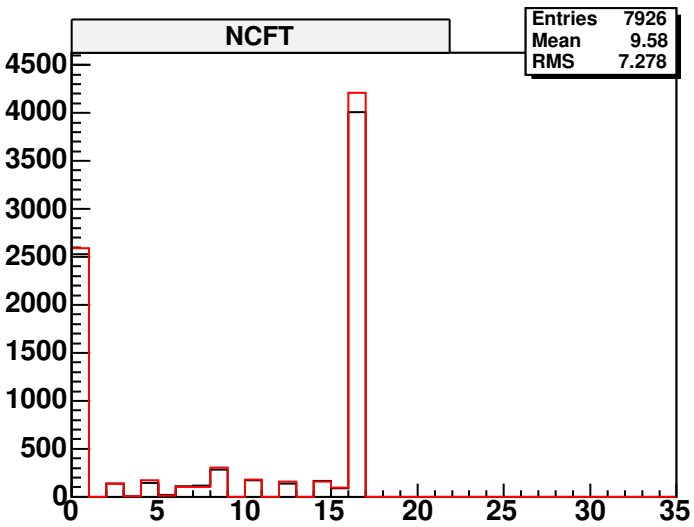
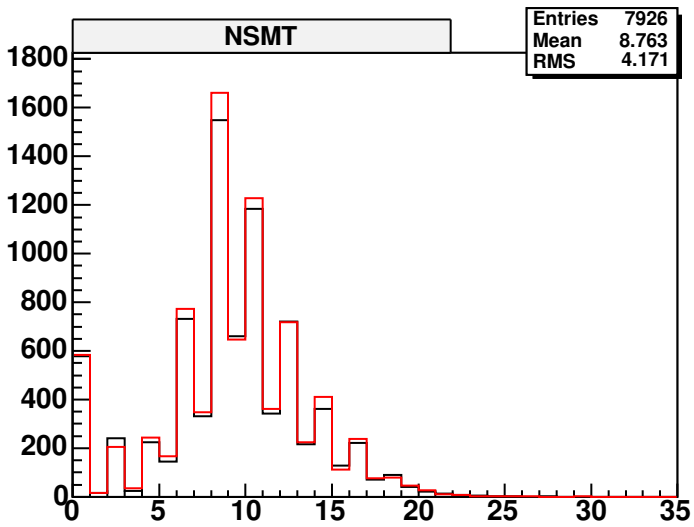
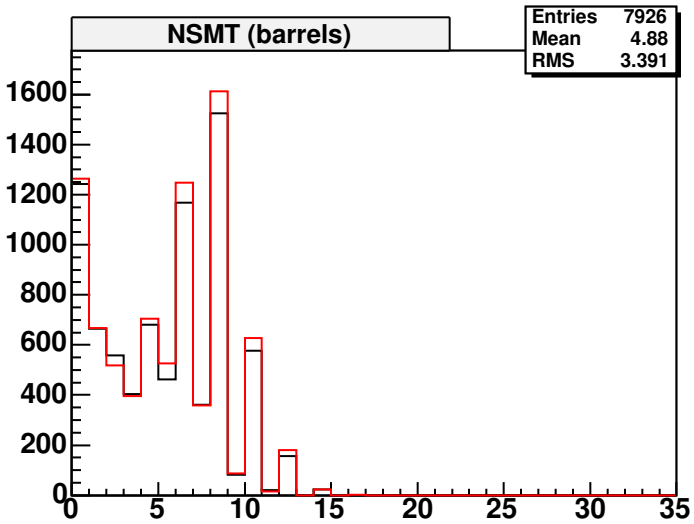
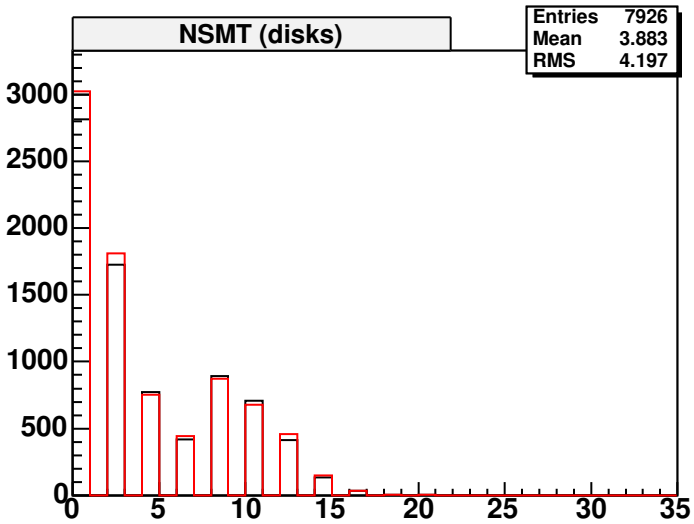

NTRKS
Entries 2000
Mean 3.963
RMS 6.087
Chisq prob
Entries 7926
Mean 0.289
RMS 0.2903
log10(PT)
Entries 7926
Mean 0.2035
RMS 0.7639
PHI at DCA (0,0)
Entries 7926
Mean 3.071
RMS 1.842
TANLAM at DCA (0,0)
Entries 7926
Mean -0.1007
RMS 5.347
Z at DCA (0,0)
Entries 7926
Mean 0.7272
RMS 24.53
DCA (best vertex)
Entries 7926
Mean -0.0002533
RMS 0.04715
|DCA| (best vertex)
Entries 7926
Mean 0.1718
RMS 0.6397
DCA pull (best vertex)
Entries 7926
Mean -0.01169
RMS 1.171

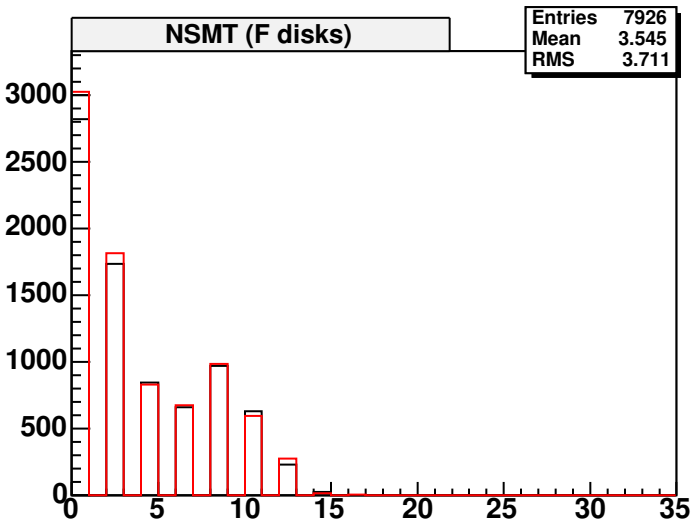
Tracks (All)

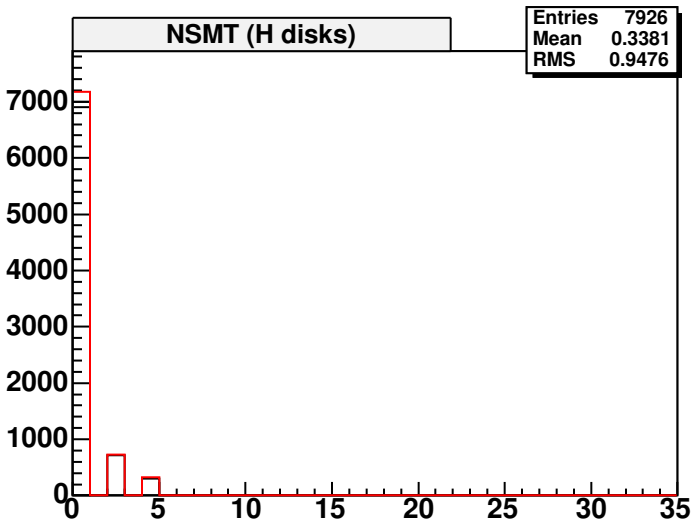




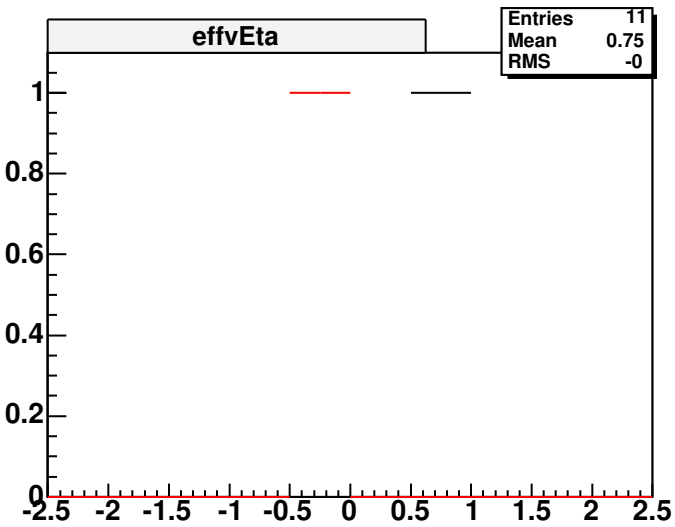


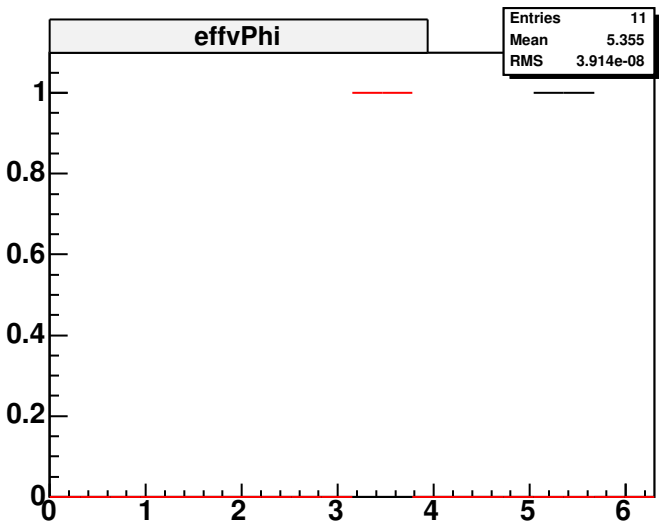


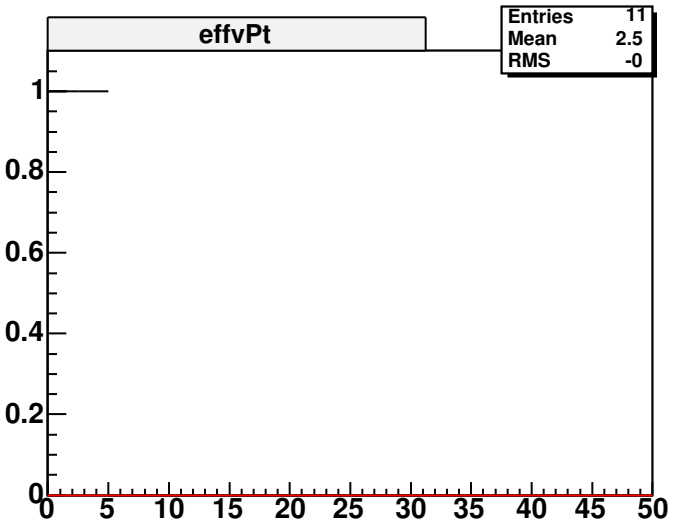


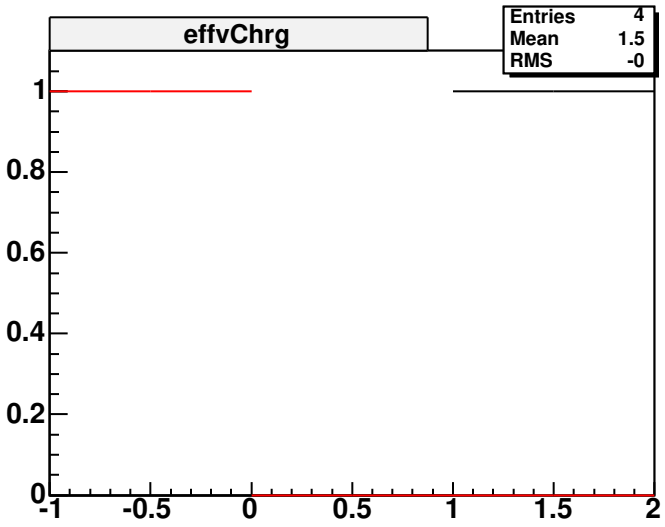


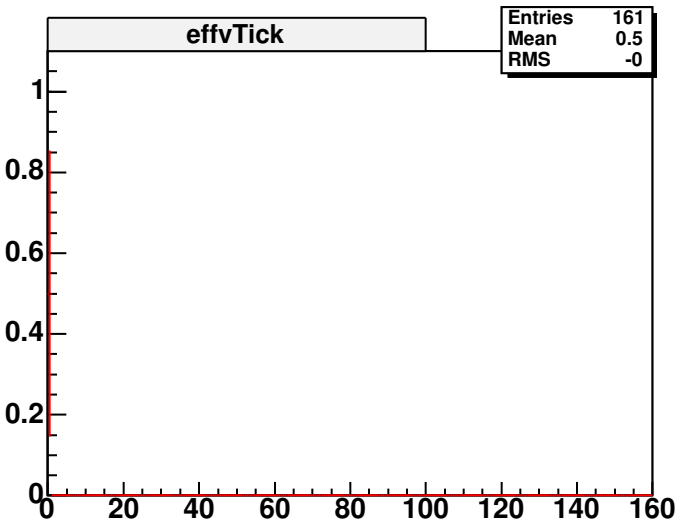
Track Hits (All)

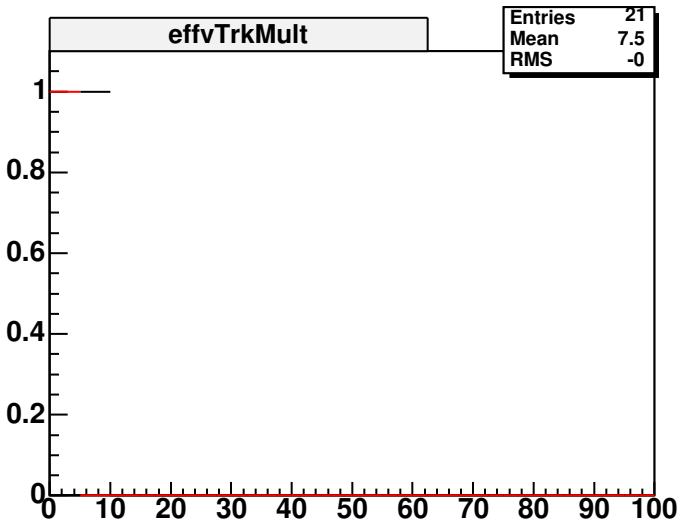




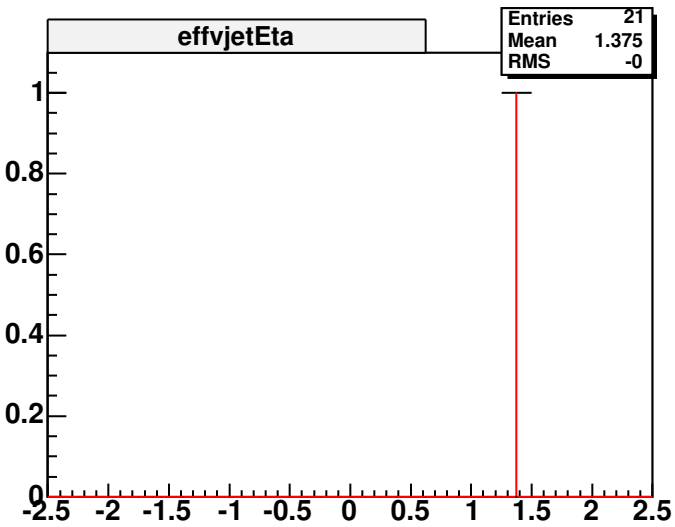


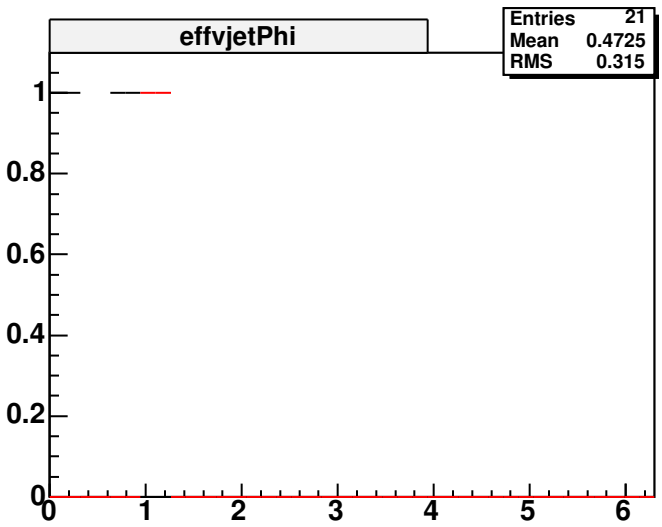


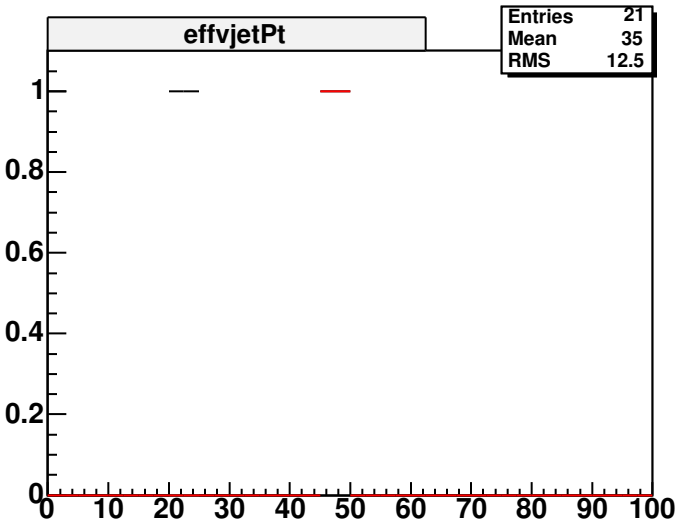


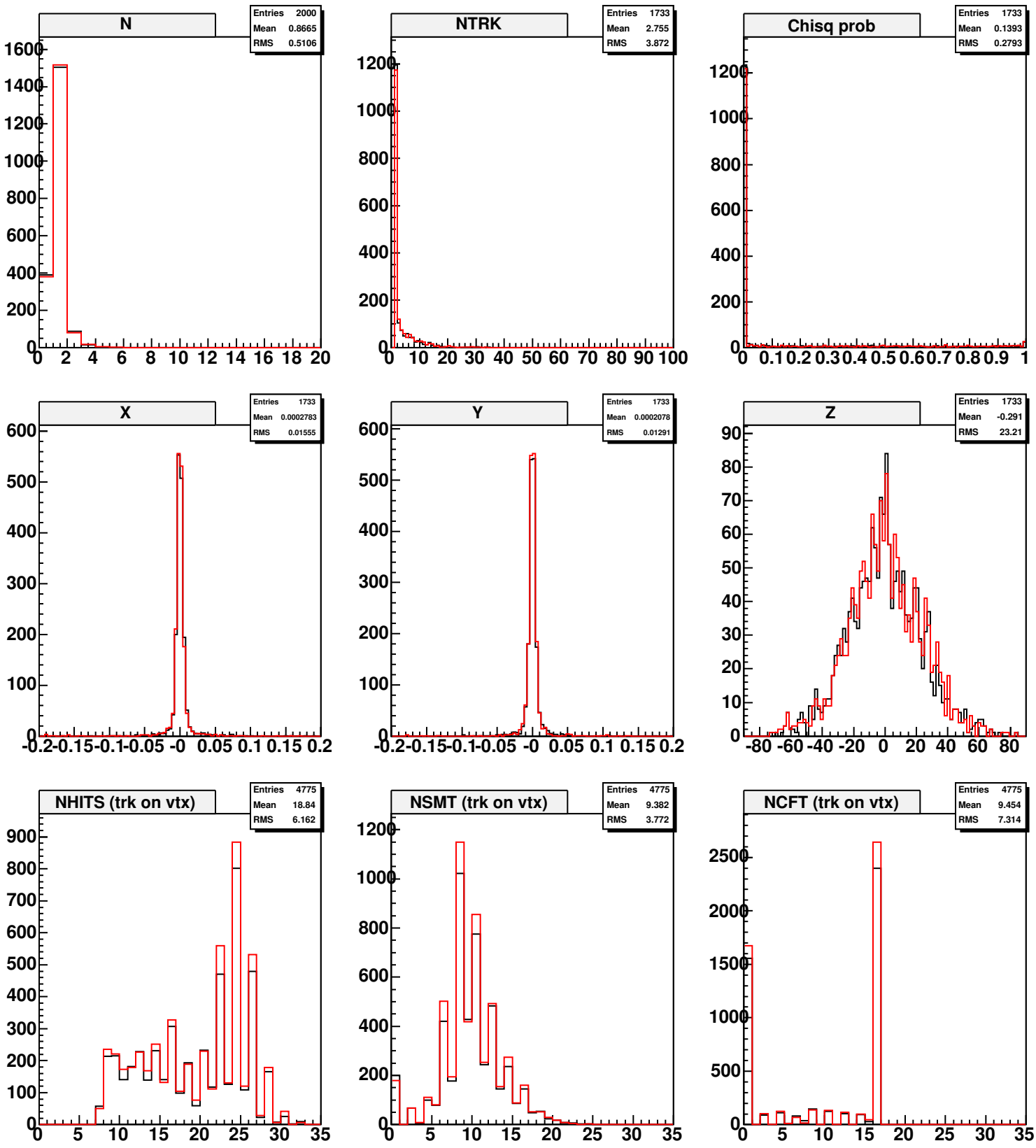


Tracking (Efficiency-Isolated)

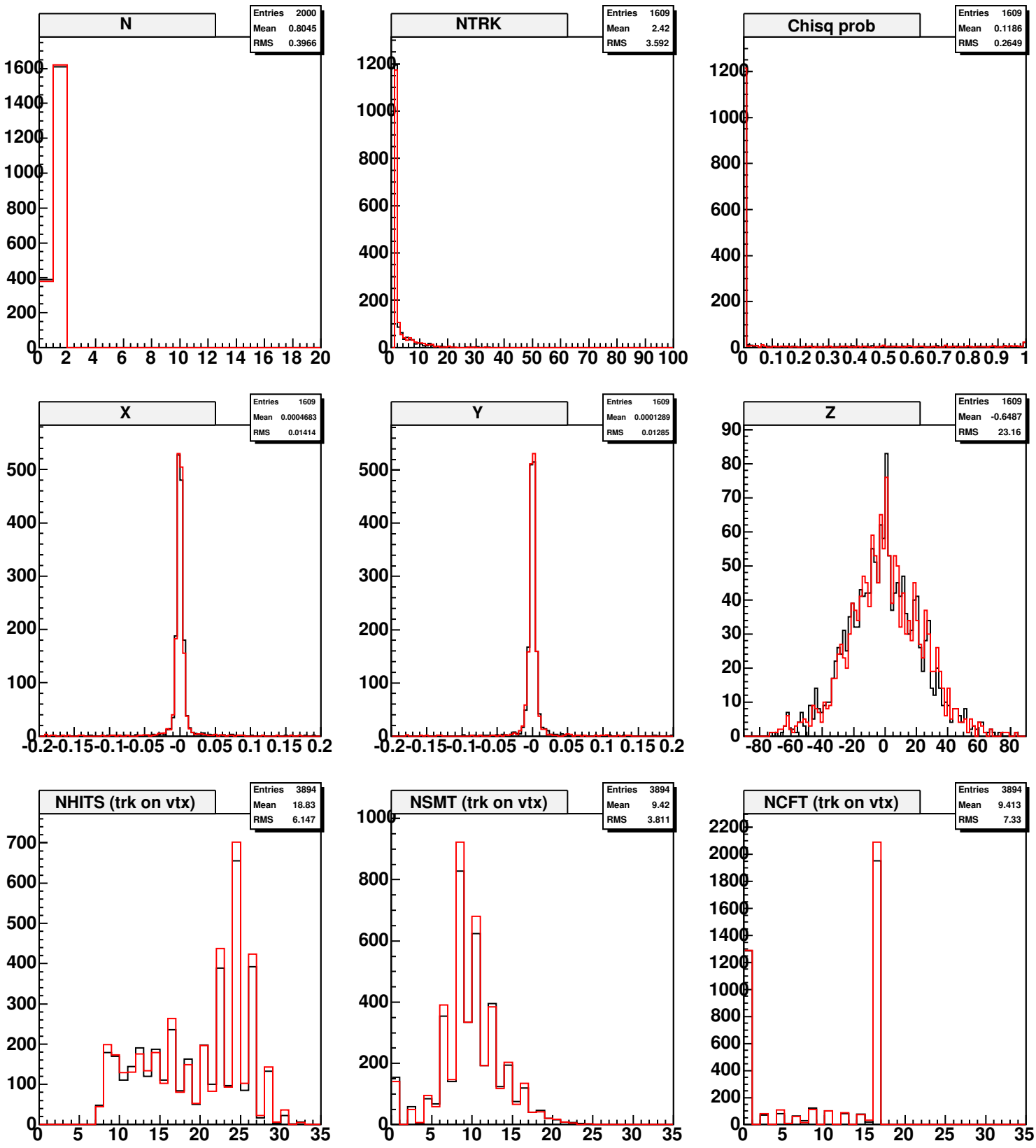

effvjetEta
Entries 21
Mean 1.375
RMS -0
1
0.8
0.6
0.4
0.2
0
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5


effvjetPhi
Entries 21
Mean 0.4725
RMS 0.315
1
0.8
0.6
0.4
0.2
0
0 1 2 3 4 5 6

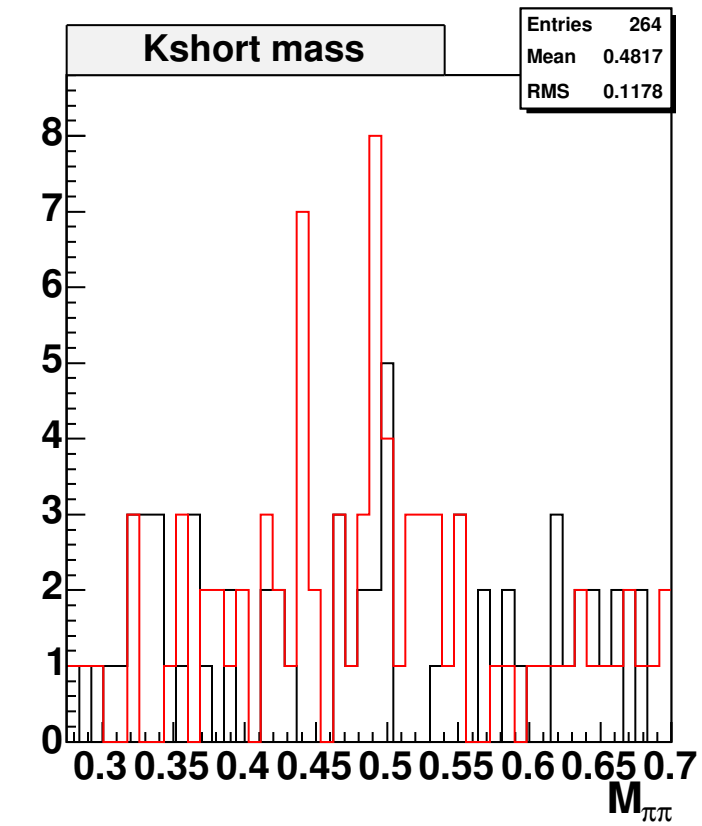

effvjetPt
Entries 21
Mean 35
RMS 12.5
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

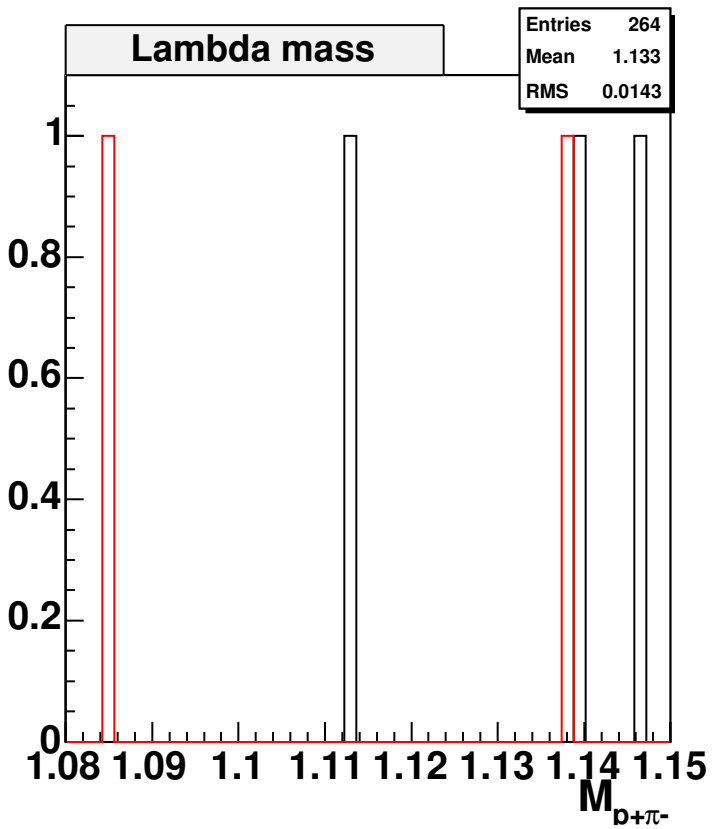


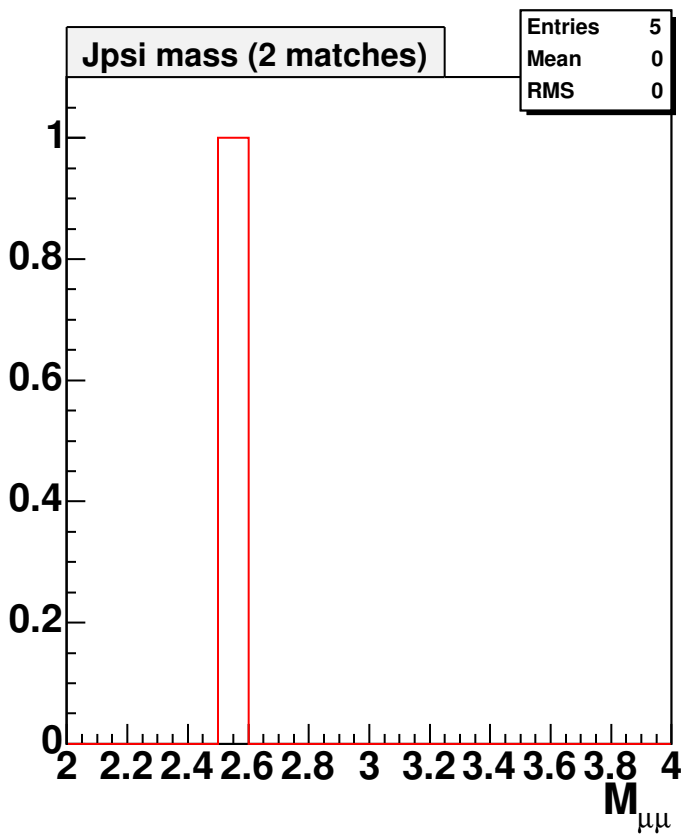
Vertices (Primary - all candidates)

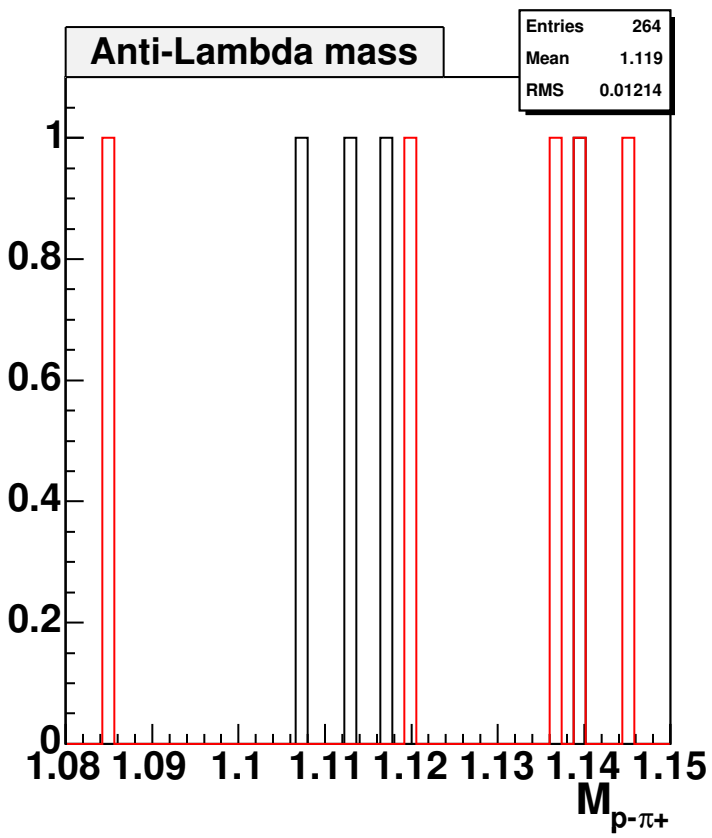


Vertices (Primary - best)

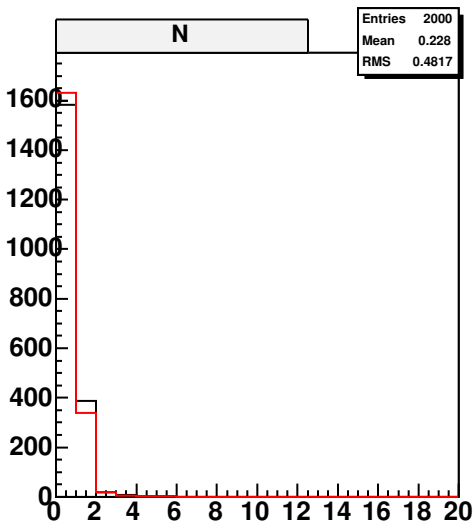

Kshort mass
Entries 264
Mean 0.4817
RMS 0.1178
0 1 2 3 4 5 6 7 8
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

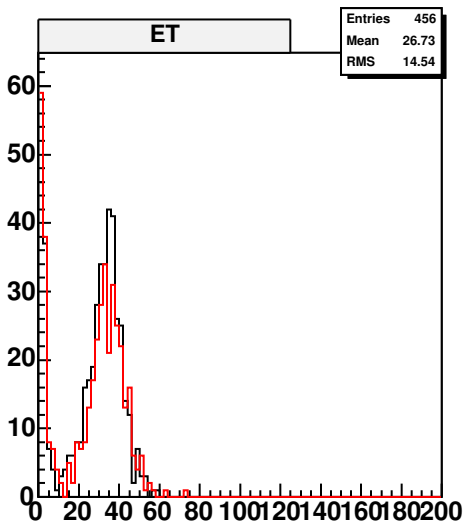

Lambda mass
Entries 264
Mean 1.133
RMS 0.0143
0 0.2 0.4 0.6 0.8 1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

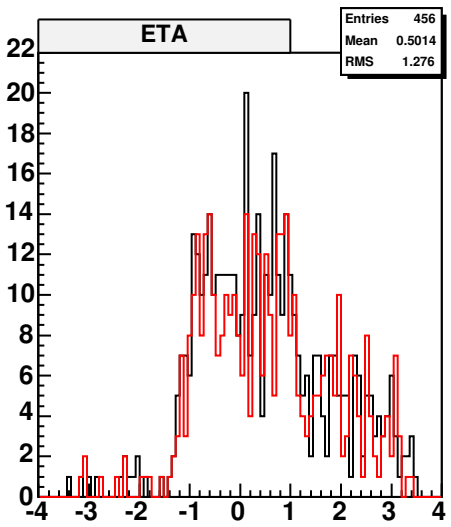

Jpsi mass (2 matches)
Entries 5
Mean 0
RMS 0
0 0.2 0.4 0.6 0.8 1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

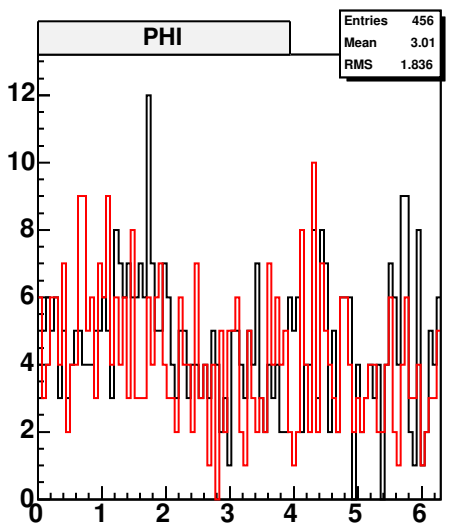

Anti-Lambda mass
Entries 264
Mean 1.119
RMS 0.01214
0 0.2 0.4 0.6 0.8 1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

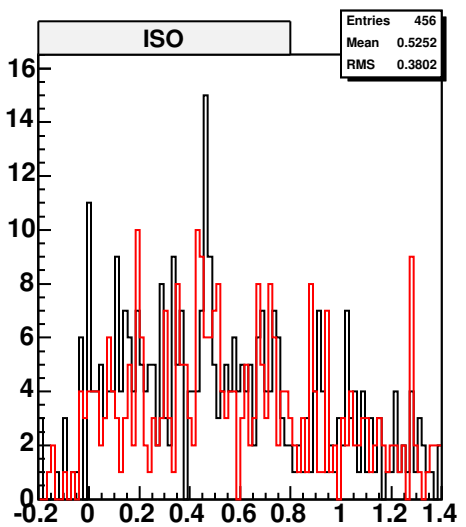
V0 (All)

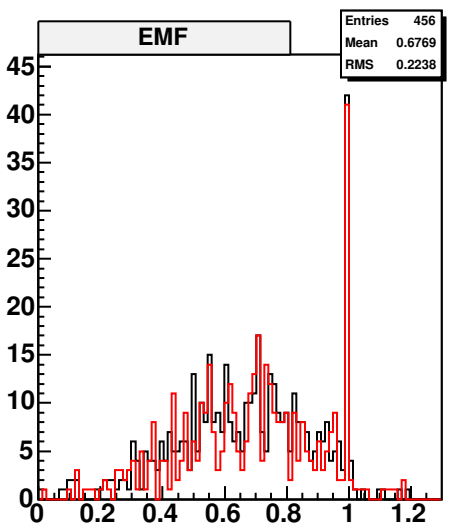


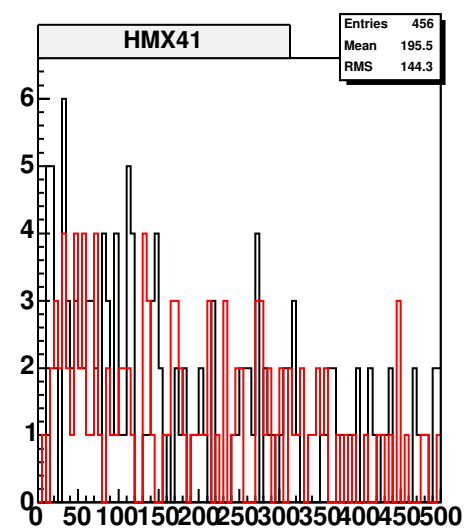


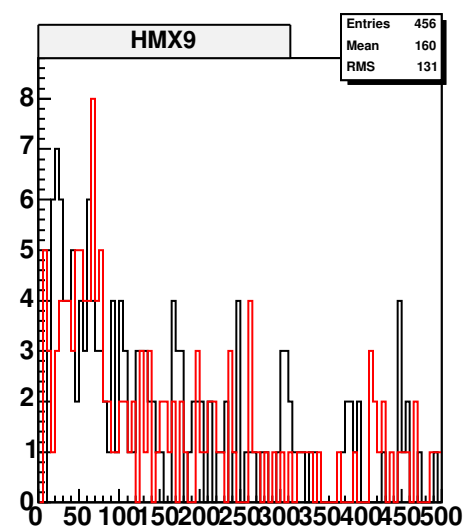


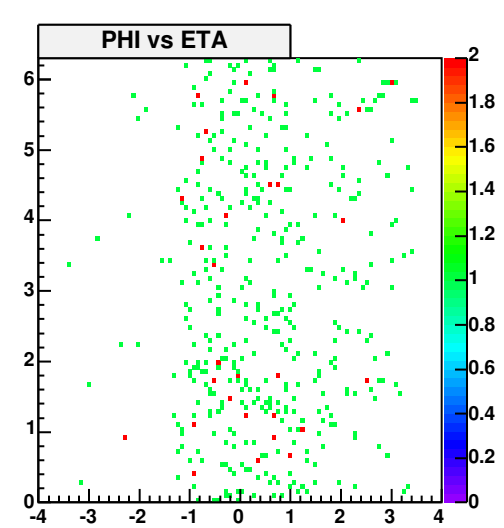




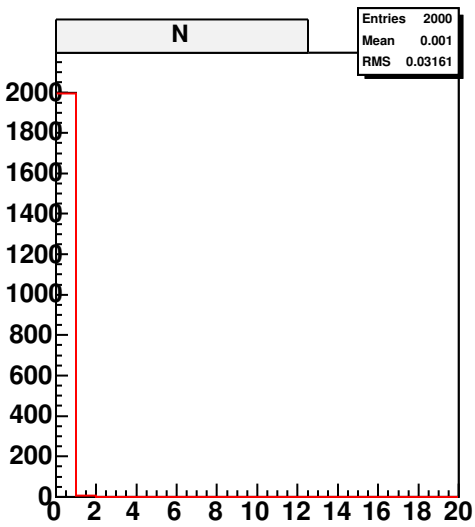


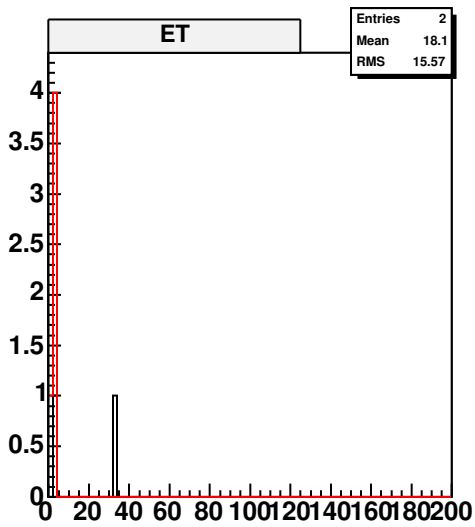


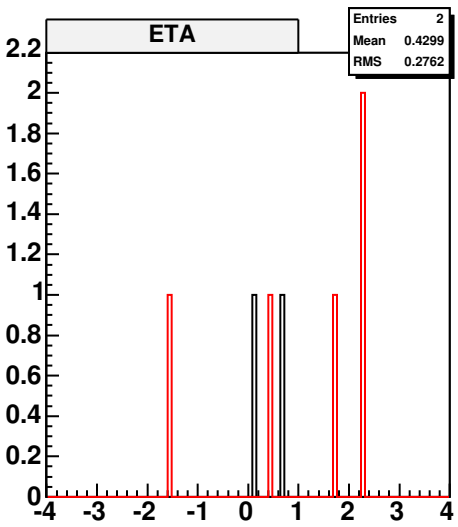


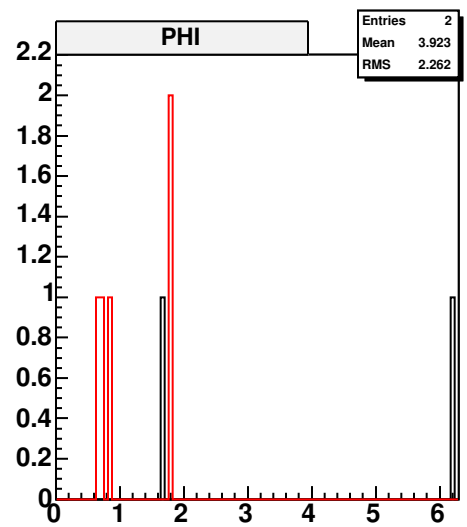


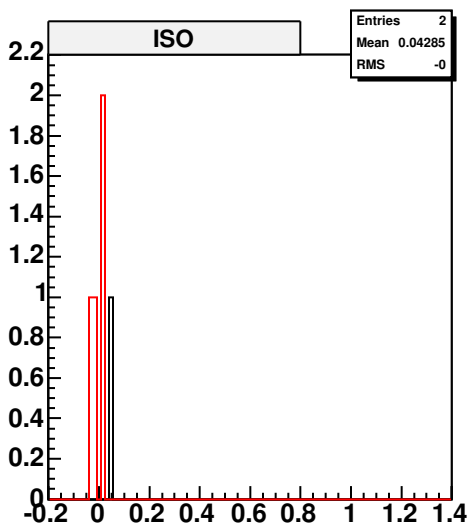
Electrons (SCONE All)

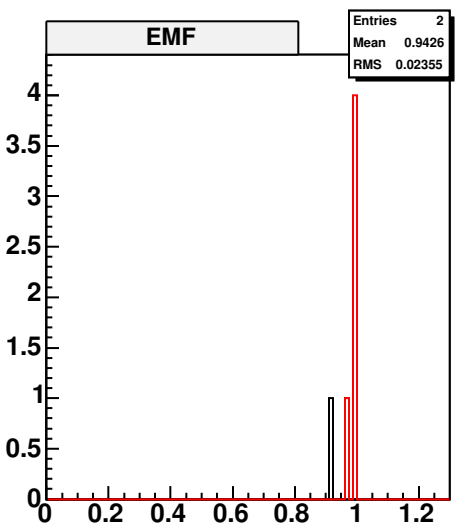


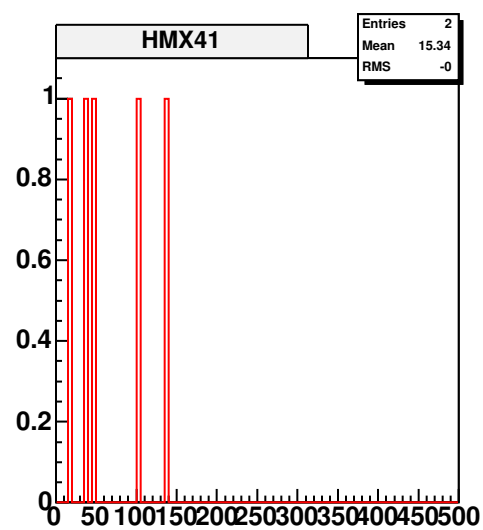


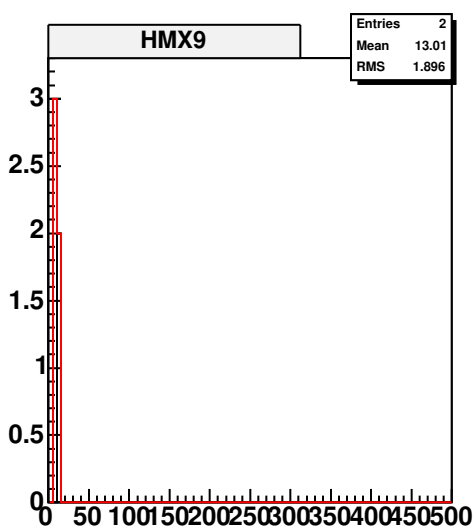


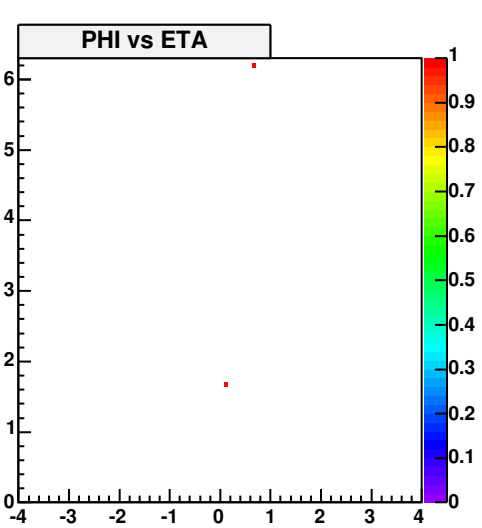




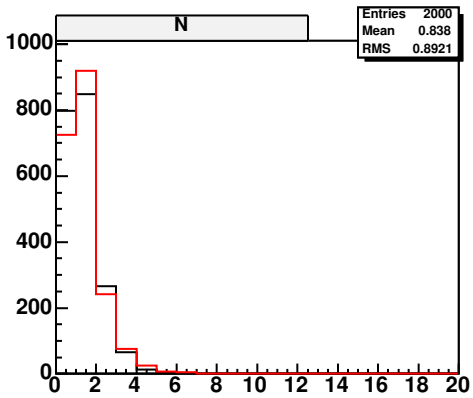


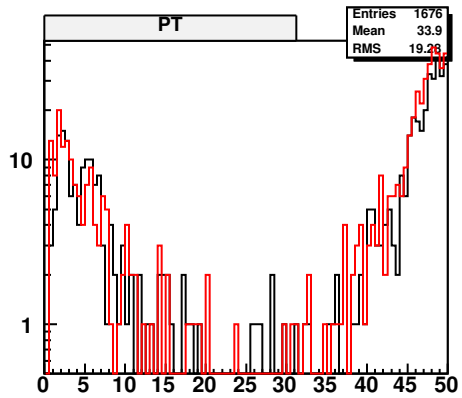


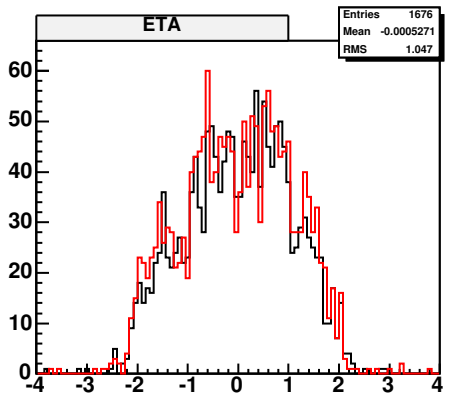


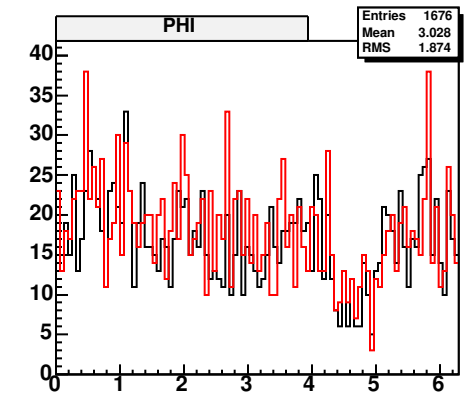


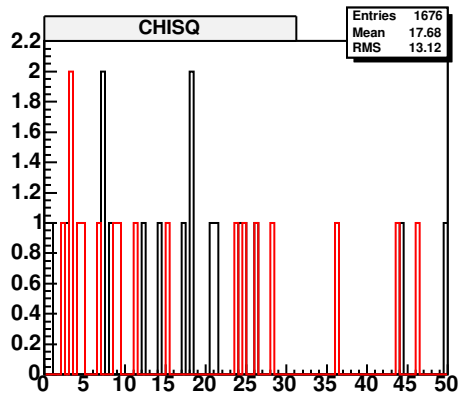
Electrons (SCONE Tight)

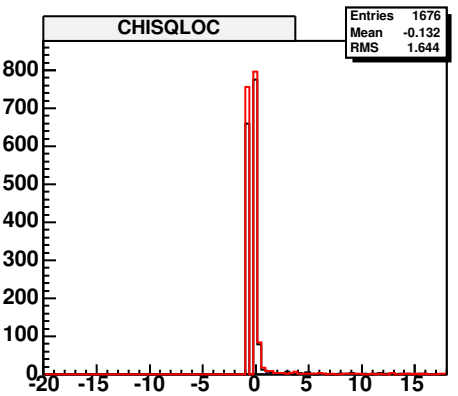

N
Entries 2000
Mean 0.838
RMS 0.8921

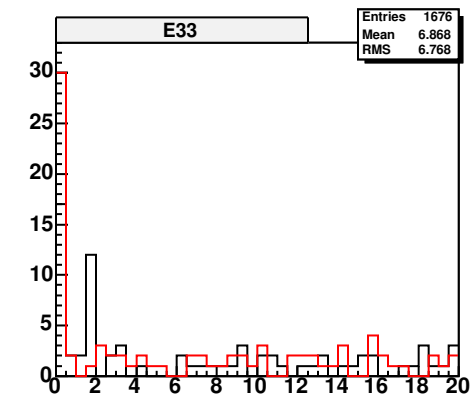

PT
Entries 1676
Mean 33.9
RMS 19.28

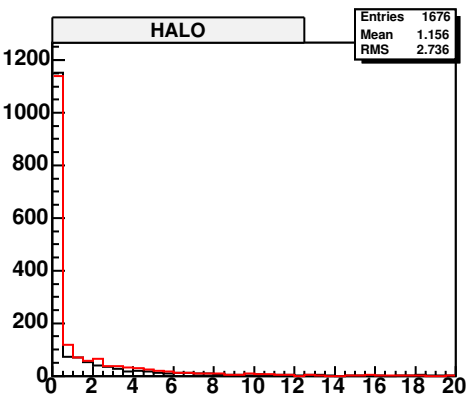

ETA
Entries 1676
Mean -0.0005271
RMS 1.047

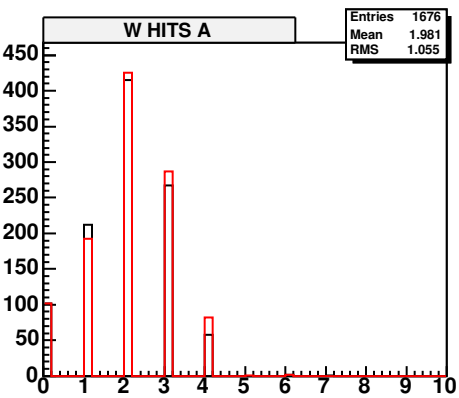

PHI
Entries 1676
Mean 3.028
RMS 1.874

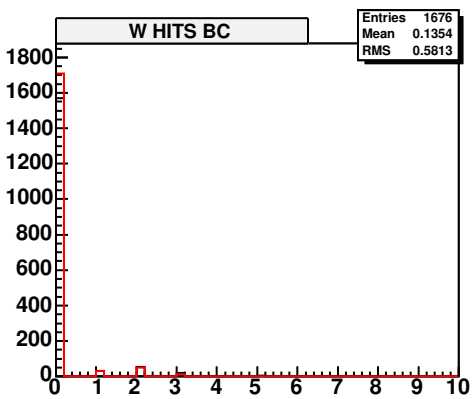

CHISQ
Entries 1676
Mean 17.68
RMS 13.12

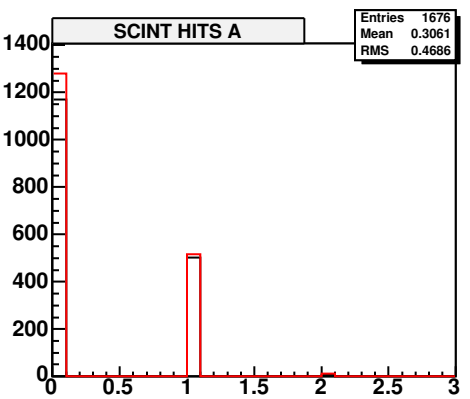

CHISQLOC
Entries 1676
Mean -0.132
RMS 1.644

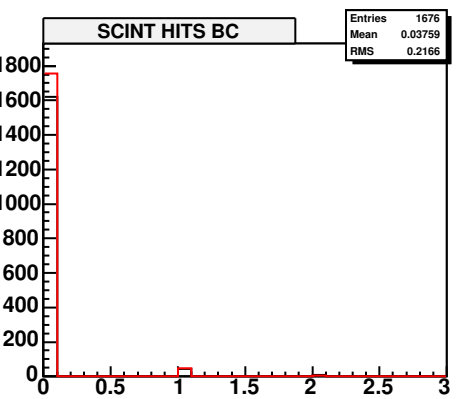

E33
Entries 1676
Mean 6.868
RMS 6.768


HALO
Entries 1676
Mean 1.156
RMS 2.736

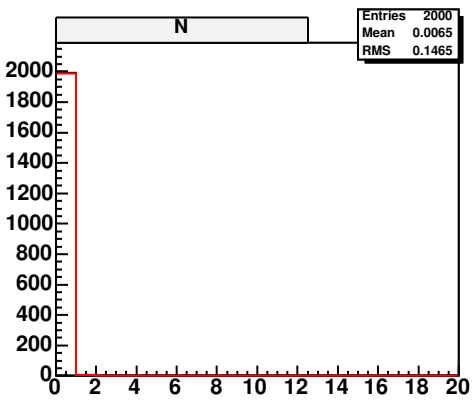

W HITS A
Entries 1676
Mean 1.981
RMS 1.055

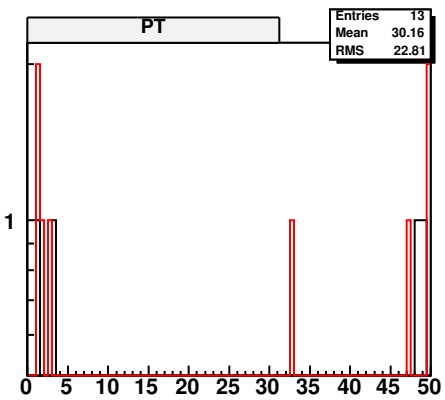

W HITS BC
Entries 1676
Mean 0.1354
RMS 0.5813

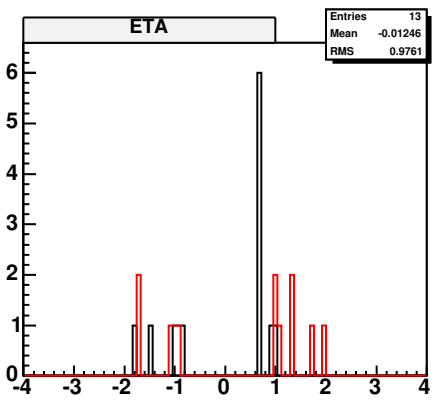

SCINT HITS A
Entries 1676
Mean 0.3061
RMS 0.4686

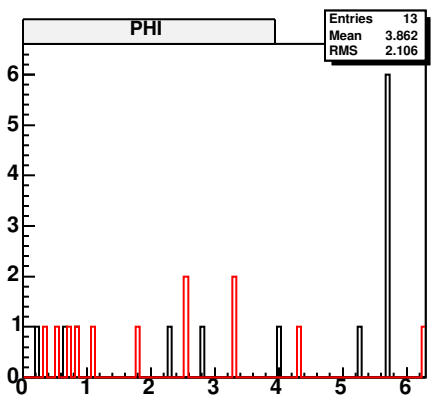

SCINT HITS BC
Entries 1676
Mean 0.03759
RMS 0.2166

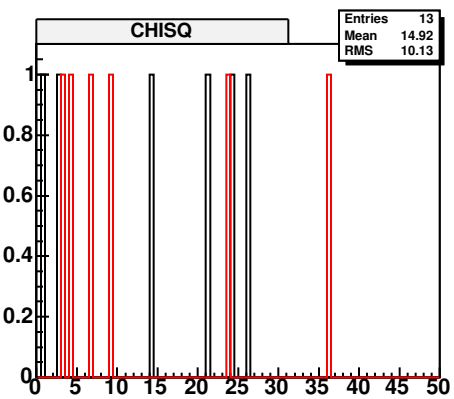
Muons (All)

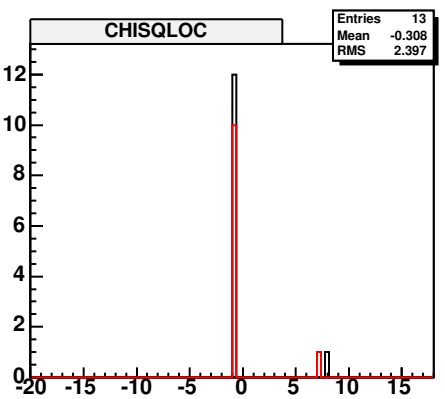


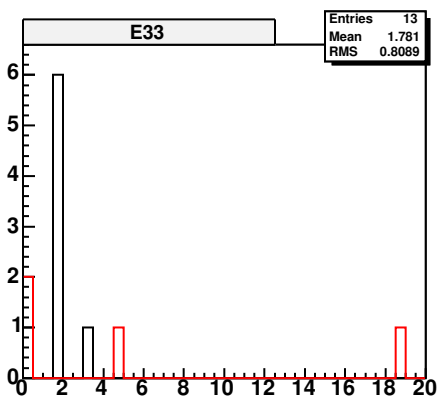


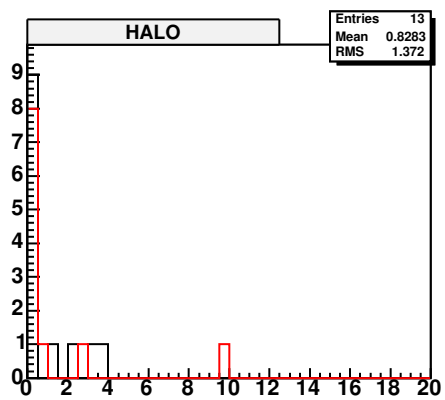


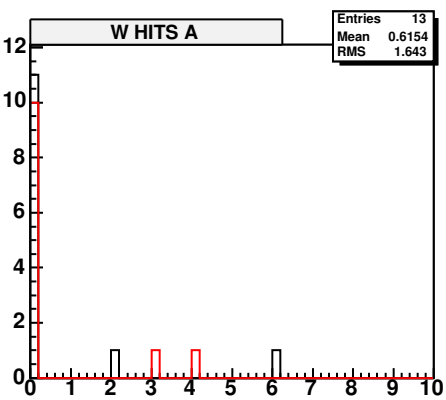


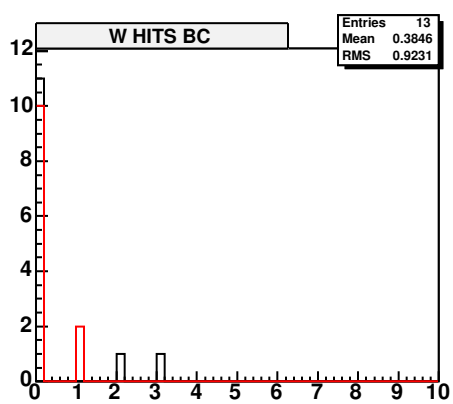


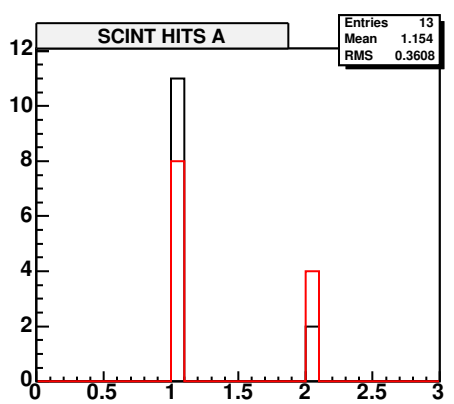


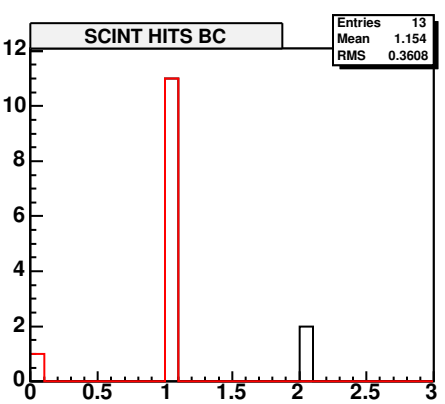




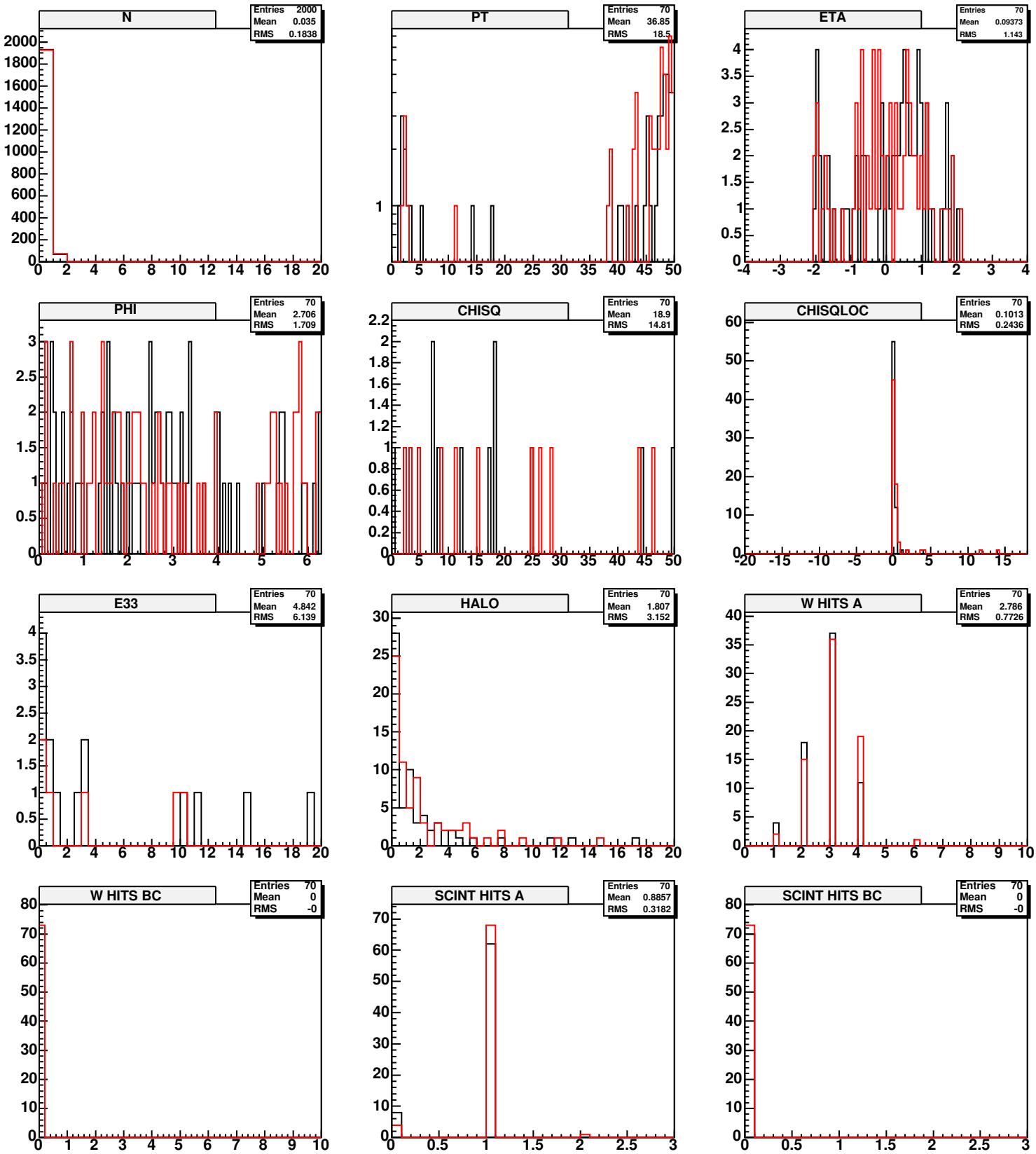




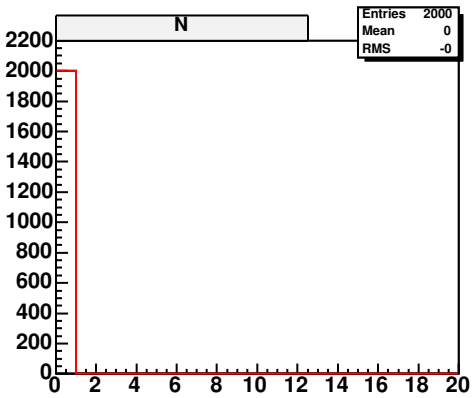


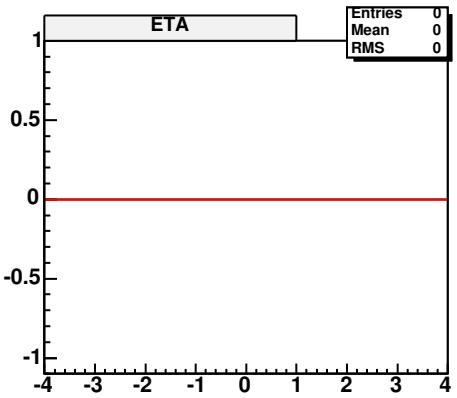


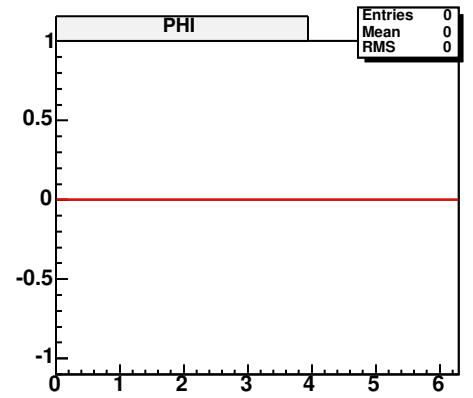
Muons (Matched)

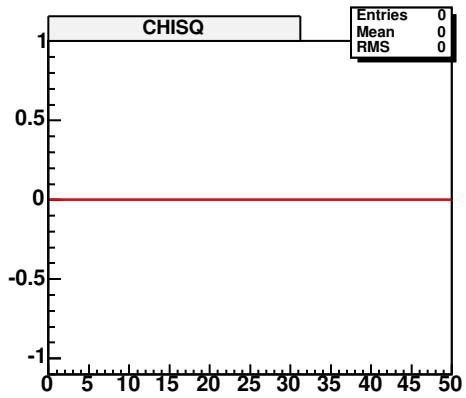

N
Entries 2000
Mean 0.035
RMS 0.1838
PT
Entries 70
Mean 36.85
RMS 18.5
ETA
Entries 70
Mean 0.09373
RMS 1.143
PHI
Entries 70
Mean 2.706
RMS 1.709
CHISQ
Entries 70
Mean 18.9
RMS 14.81
CHISQLOC
Entries 70
Mean 0.1013
RMS 0.2436
E33
Entries 70
Mean 4.842
RMS 6.139
HALO
Entries 70
Mean 1.807
RMS 3.152
W HITS A
Entries 70
Mean 2.786
RMS 0.7726
W HITS BC
Entries 70
Mean 0
RMS -0
SCINT HITS A
Entries 70
Mean 0.8857
RMS 0.3182
SCINT HITS BC
Entries 70
Mean 0
RMS -0

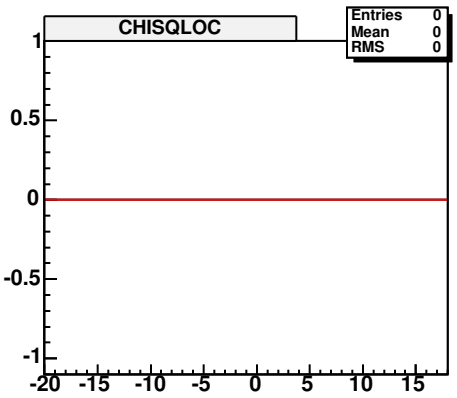
Muons (Astub)

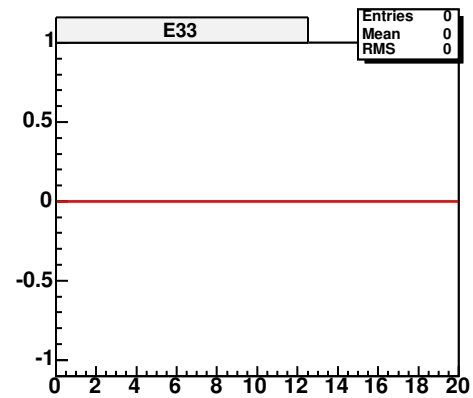


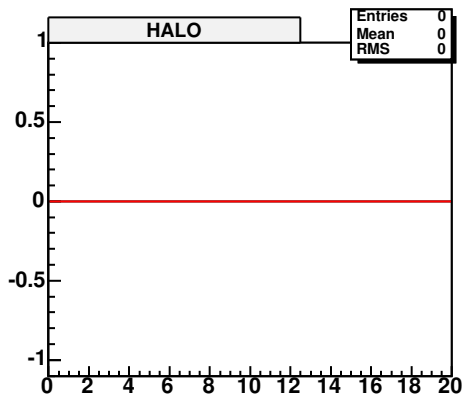


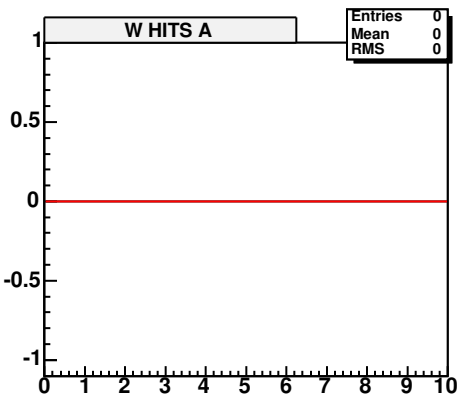


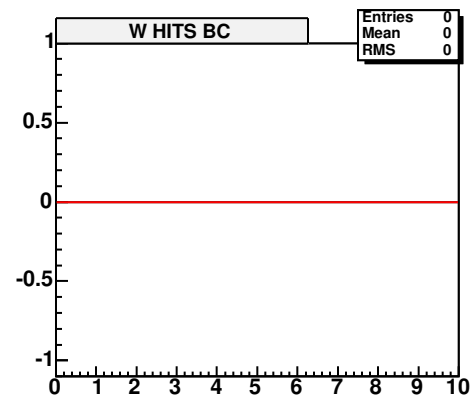


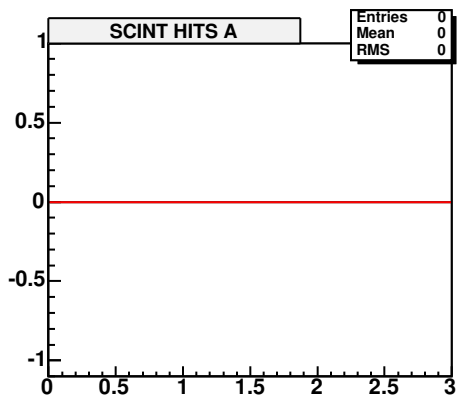


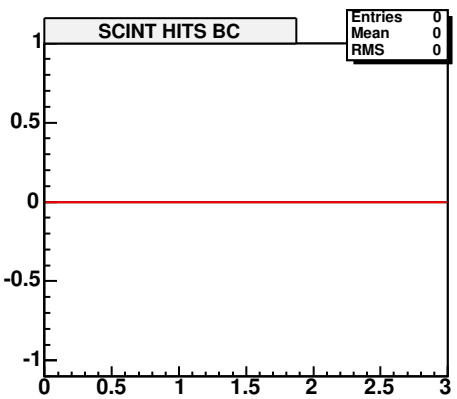




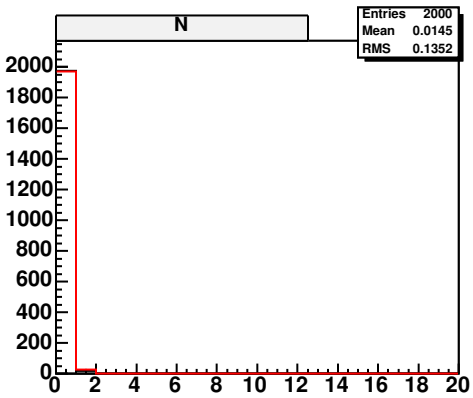


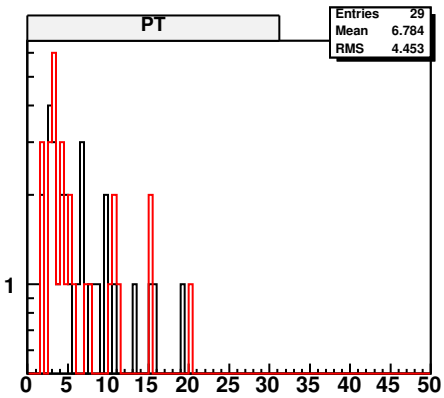


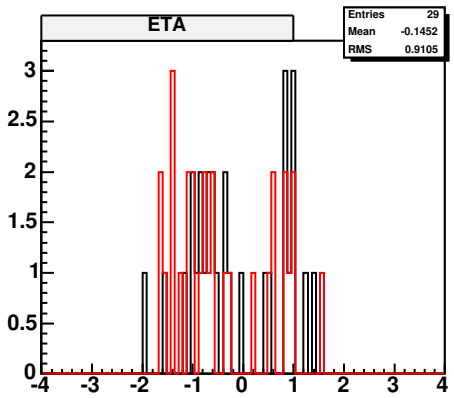


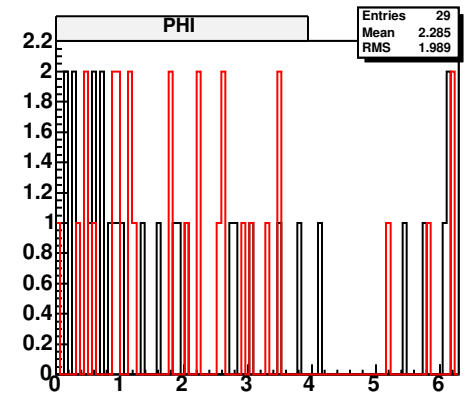


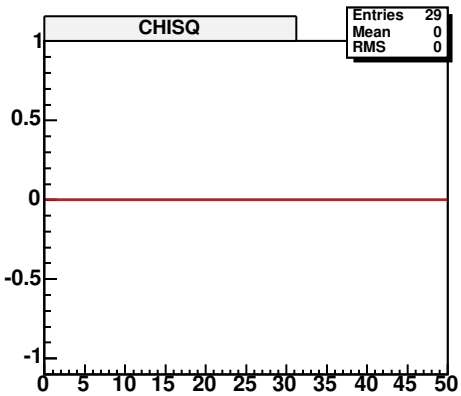
Muons (BCstub)

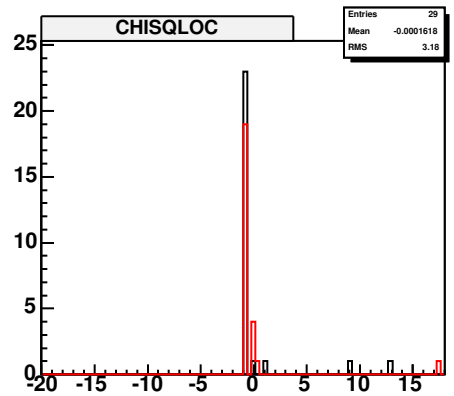


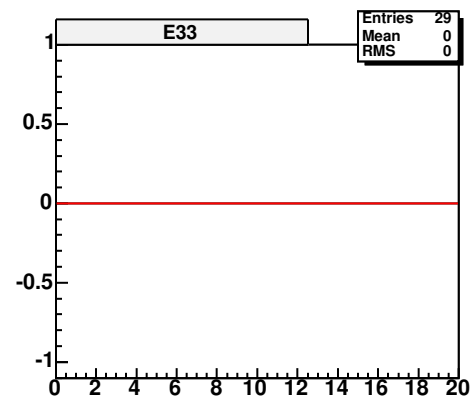


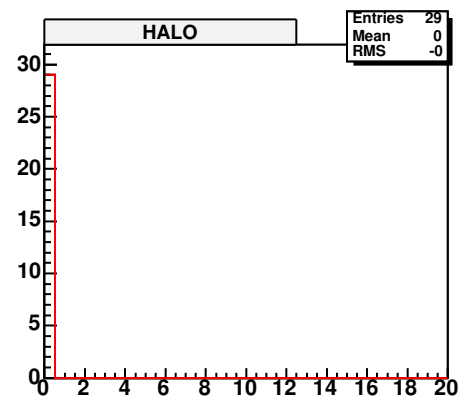


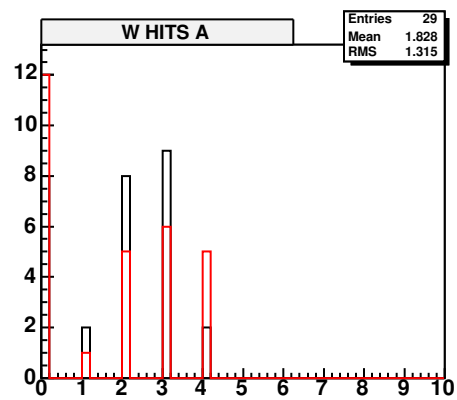


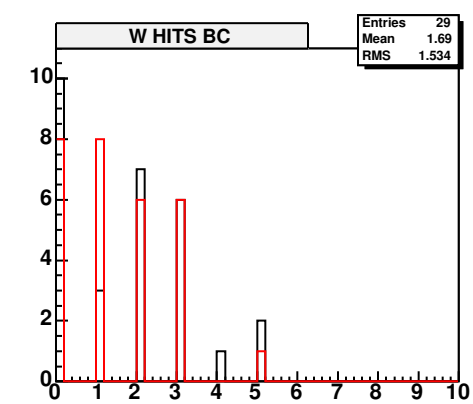


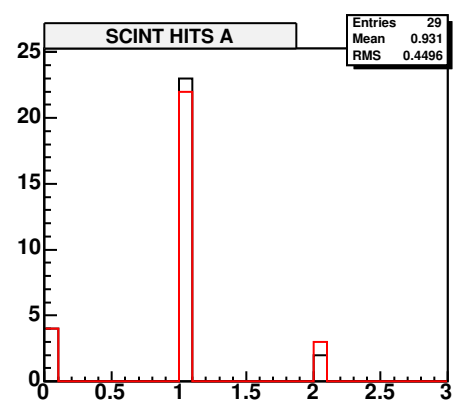


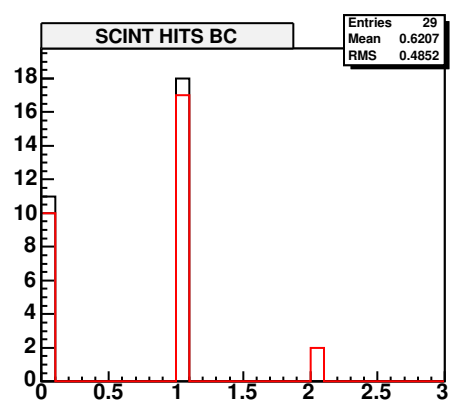




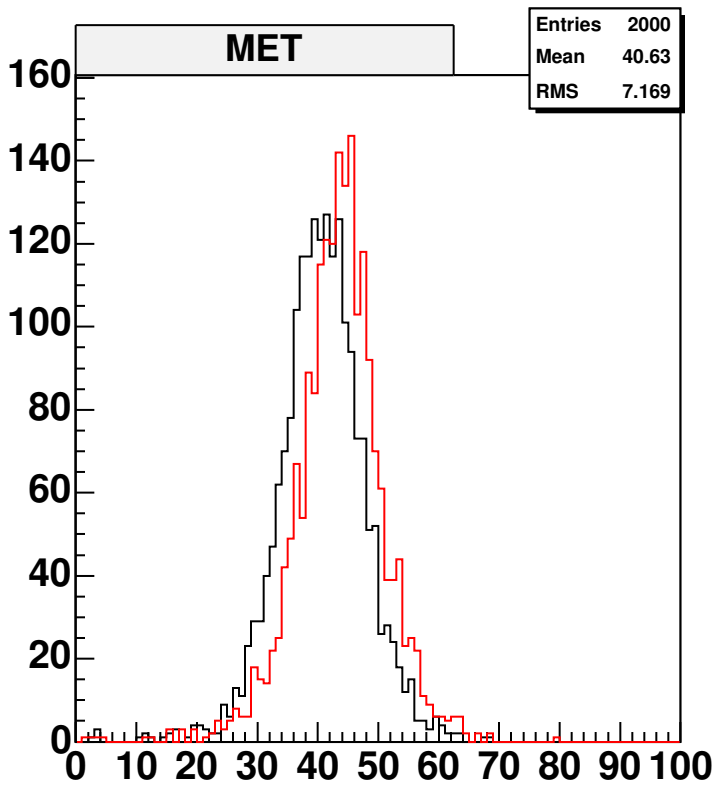


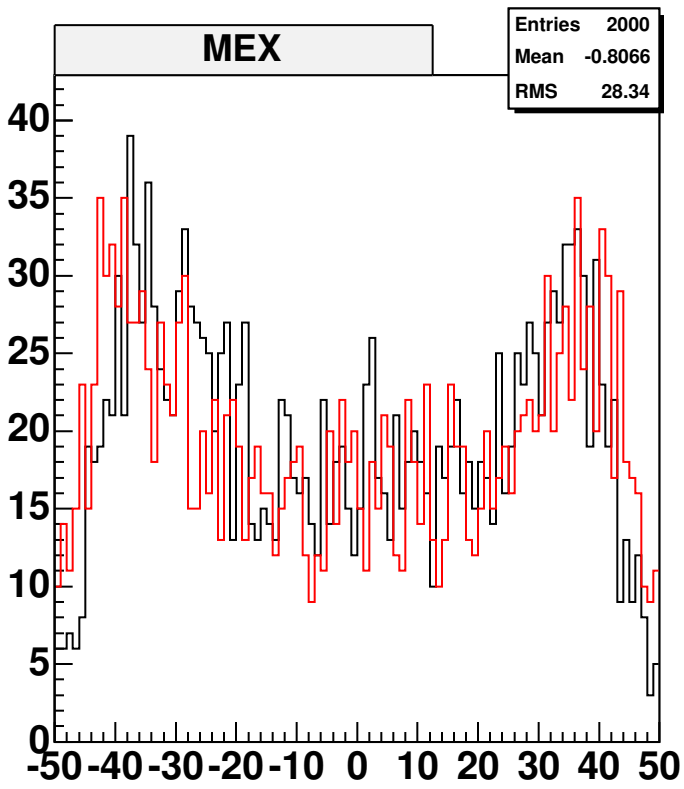


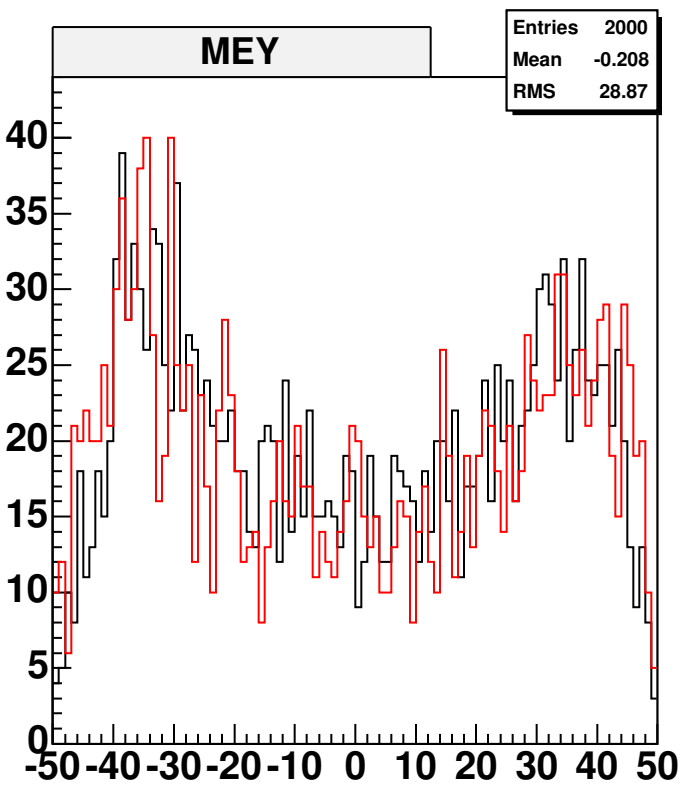




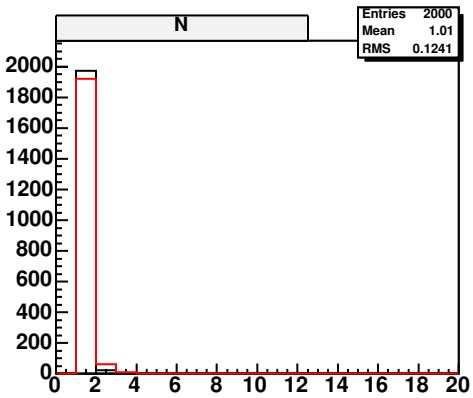
Muons (Unmatched)

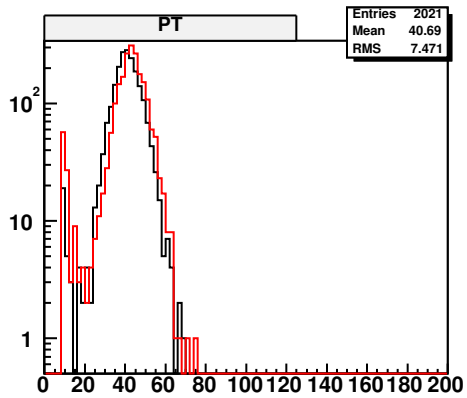

MET
Entries 2000
Mean 40.63
RMS 7.169
160
140
120
100
80
60
40
20
0
0 10 20 30 40 50 60 70 80 90 100

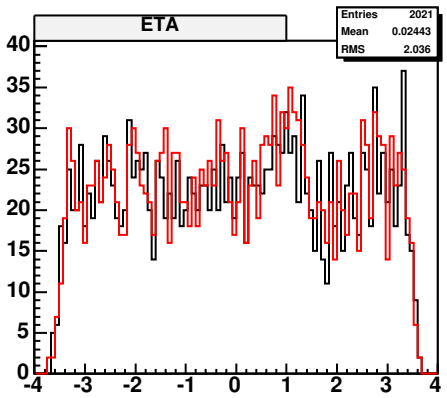

MEX
Entries 2000
Mean -0.8066
RMS 28.34
40
35
30
25
20
15
10
5
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

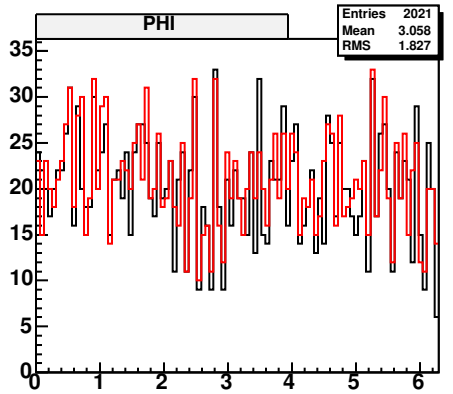

MEY
Entries 2000
Mean -0.208
RMS 28.87
40
35
30
25
20
15
10
5
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

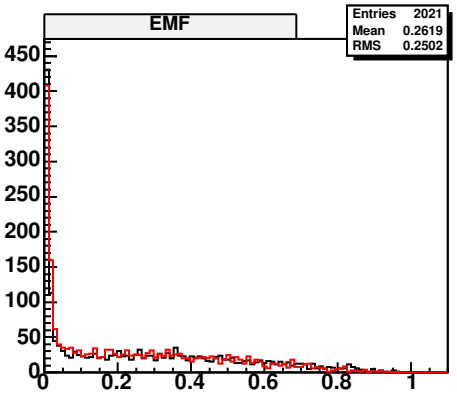
Met (No cuts)

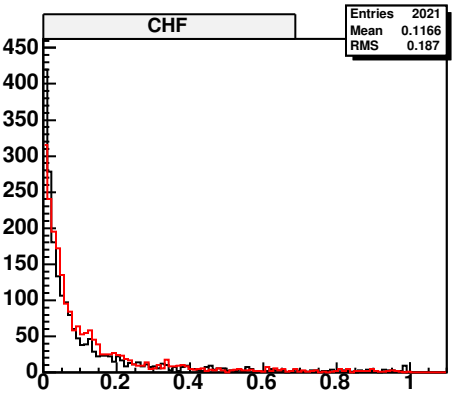


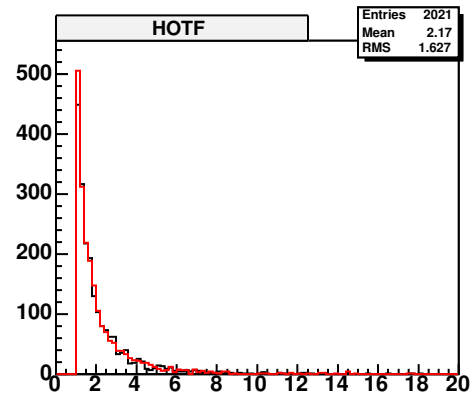


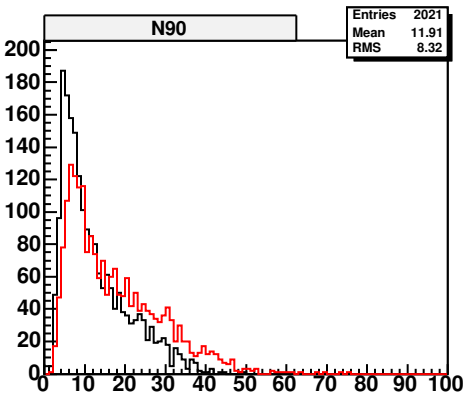


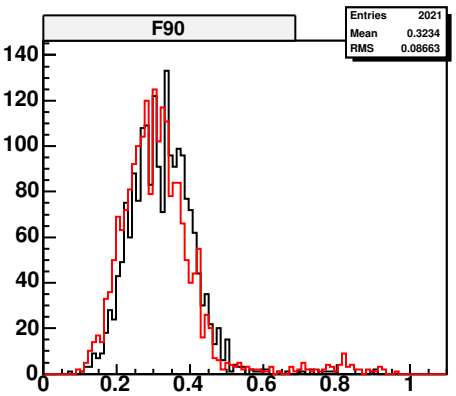


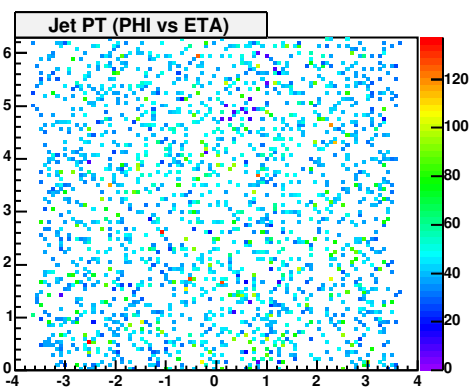




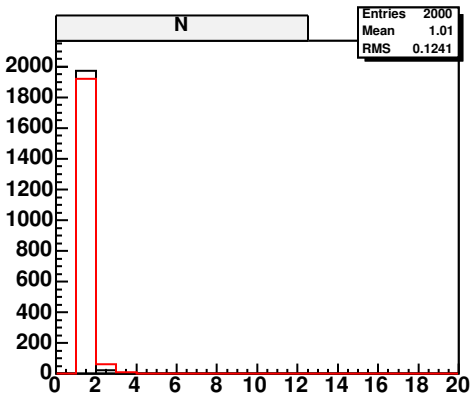


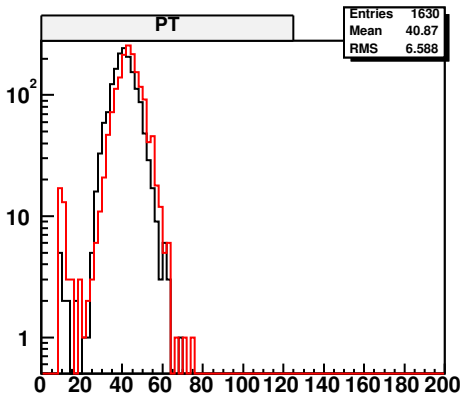


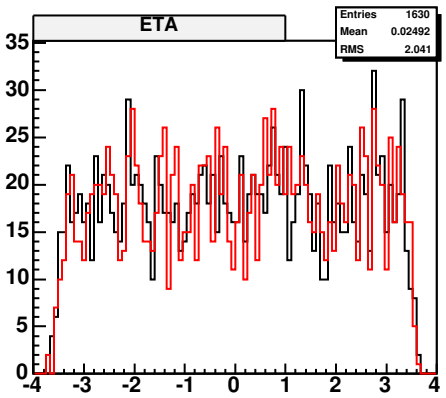


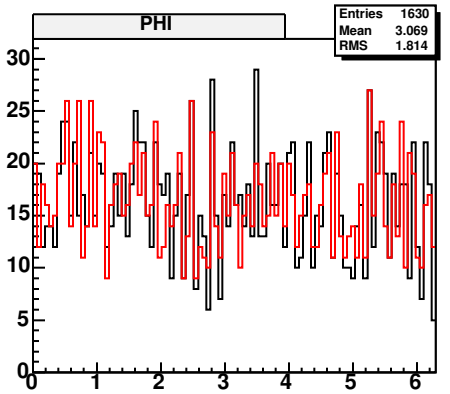


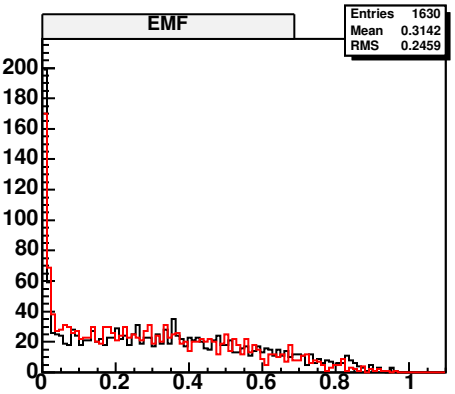
Jets (Cone R 0.7 (no cuts))

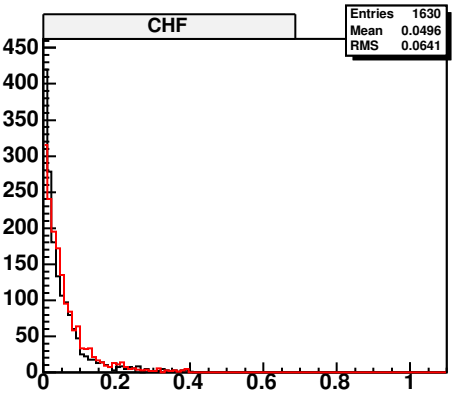


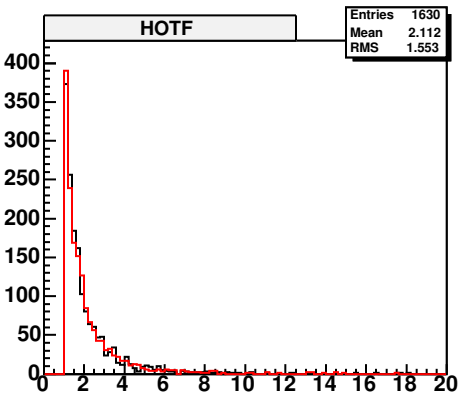


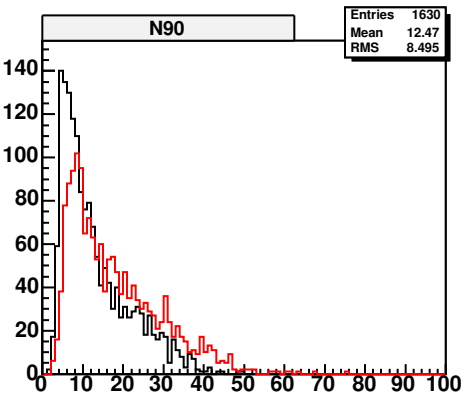


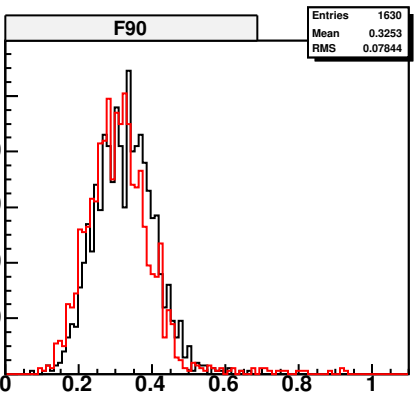


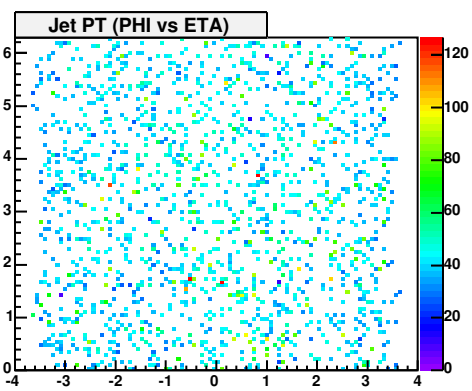




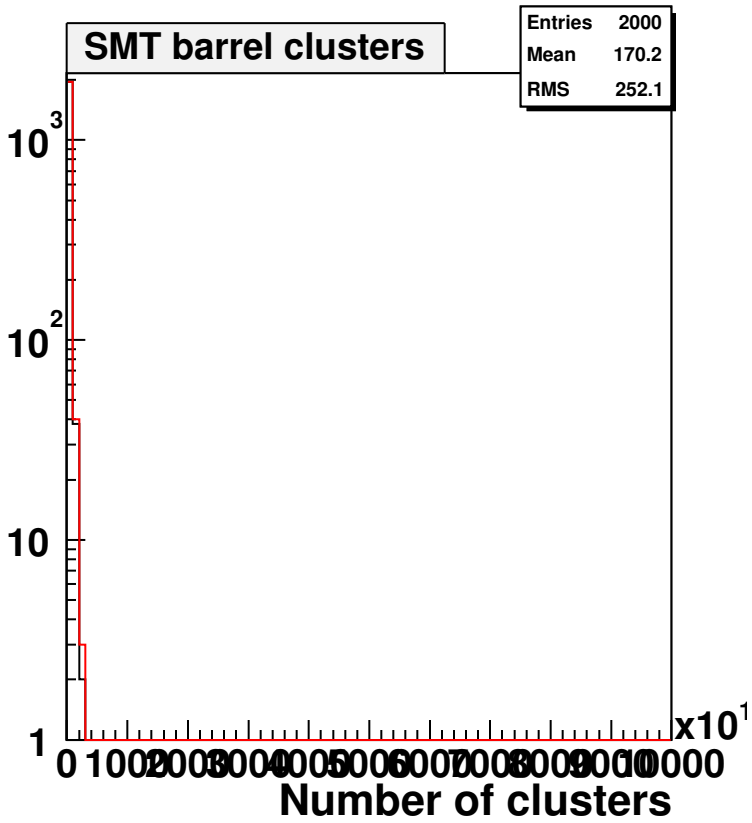


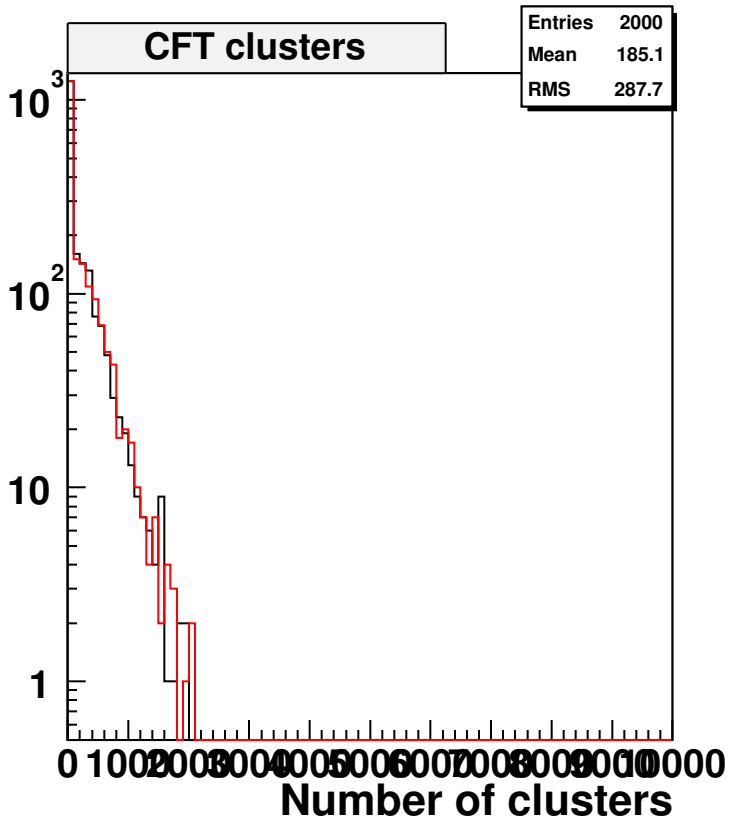


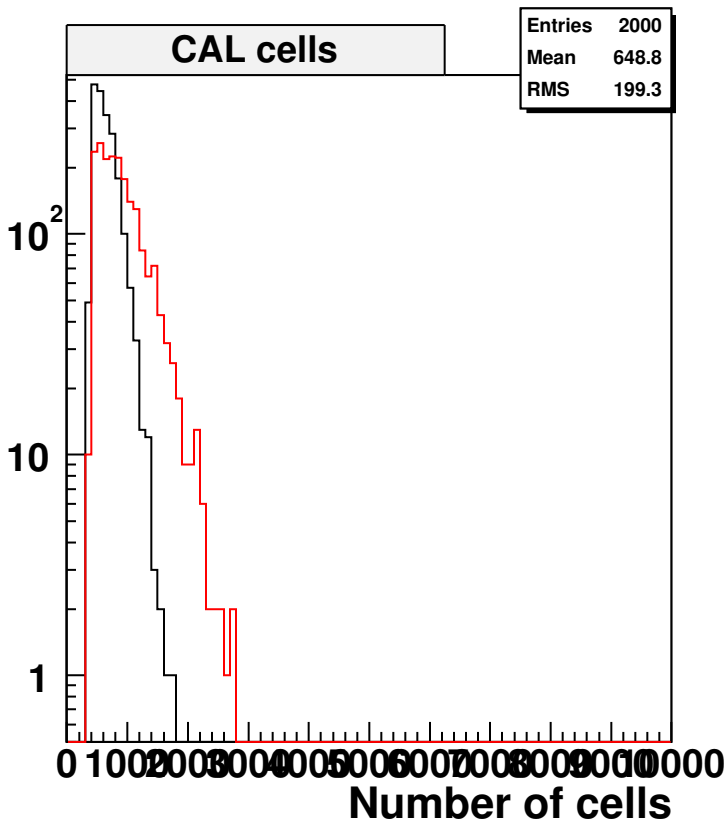


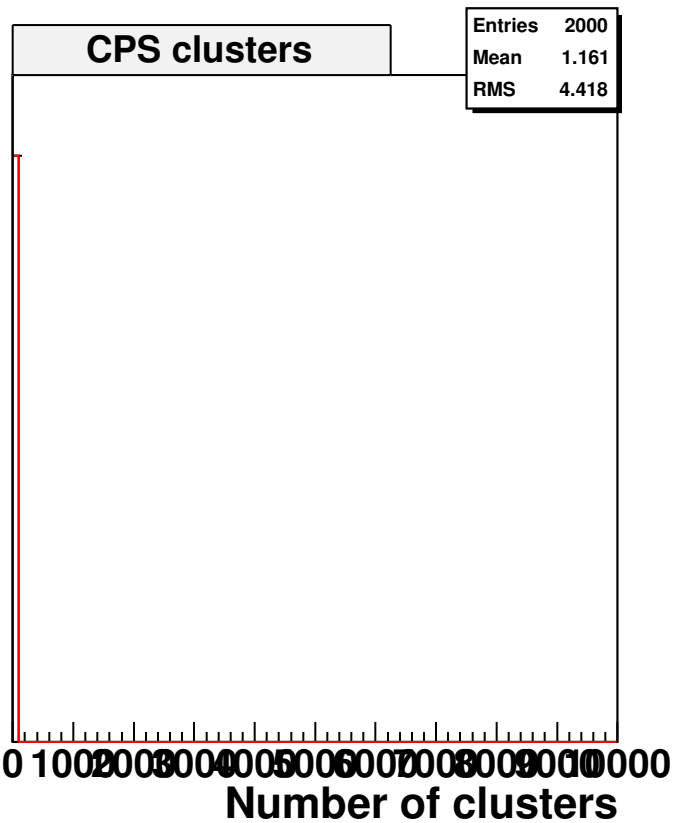


Jets (Cone R 0.7 (standard cuts))

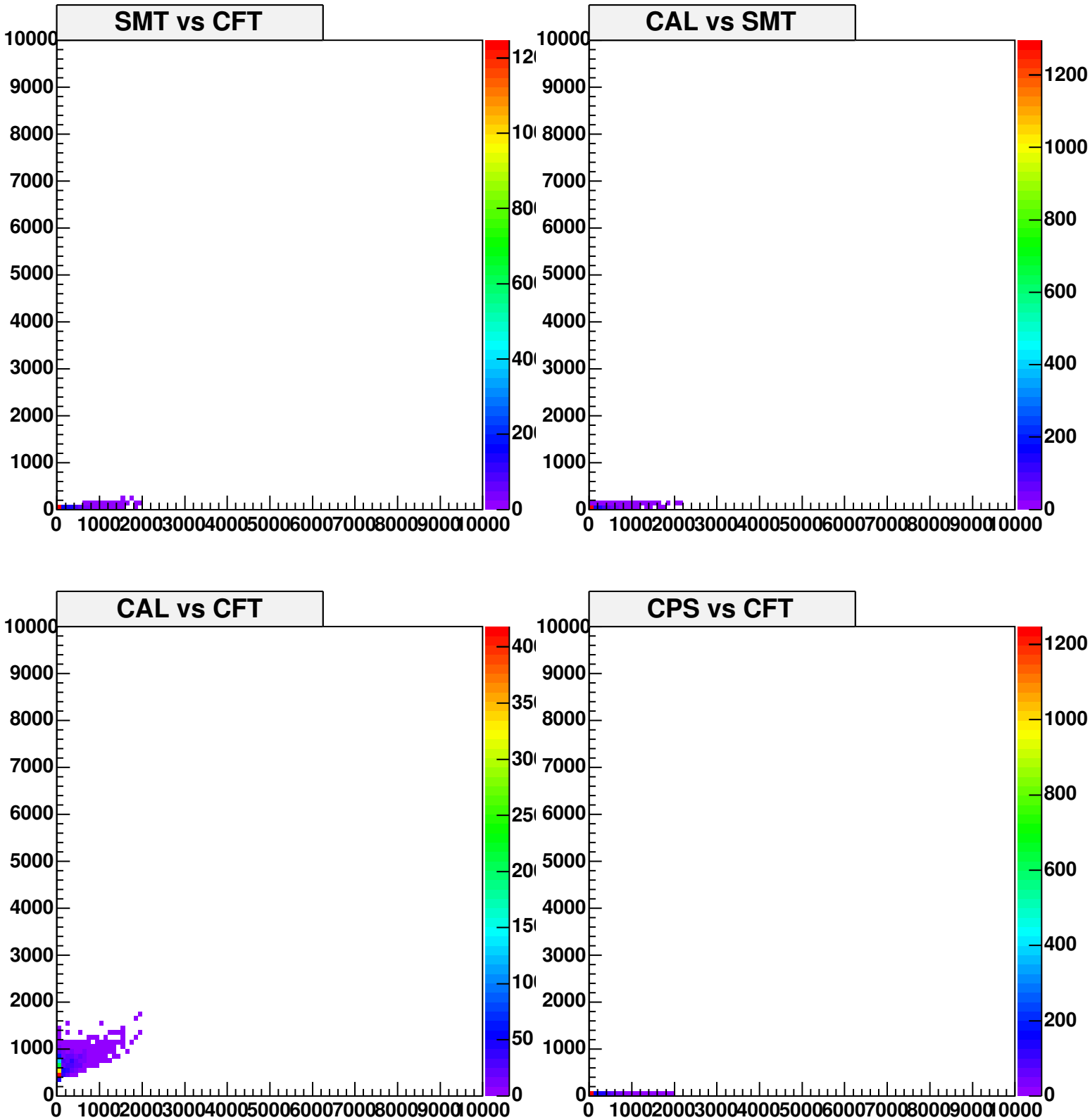




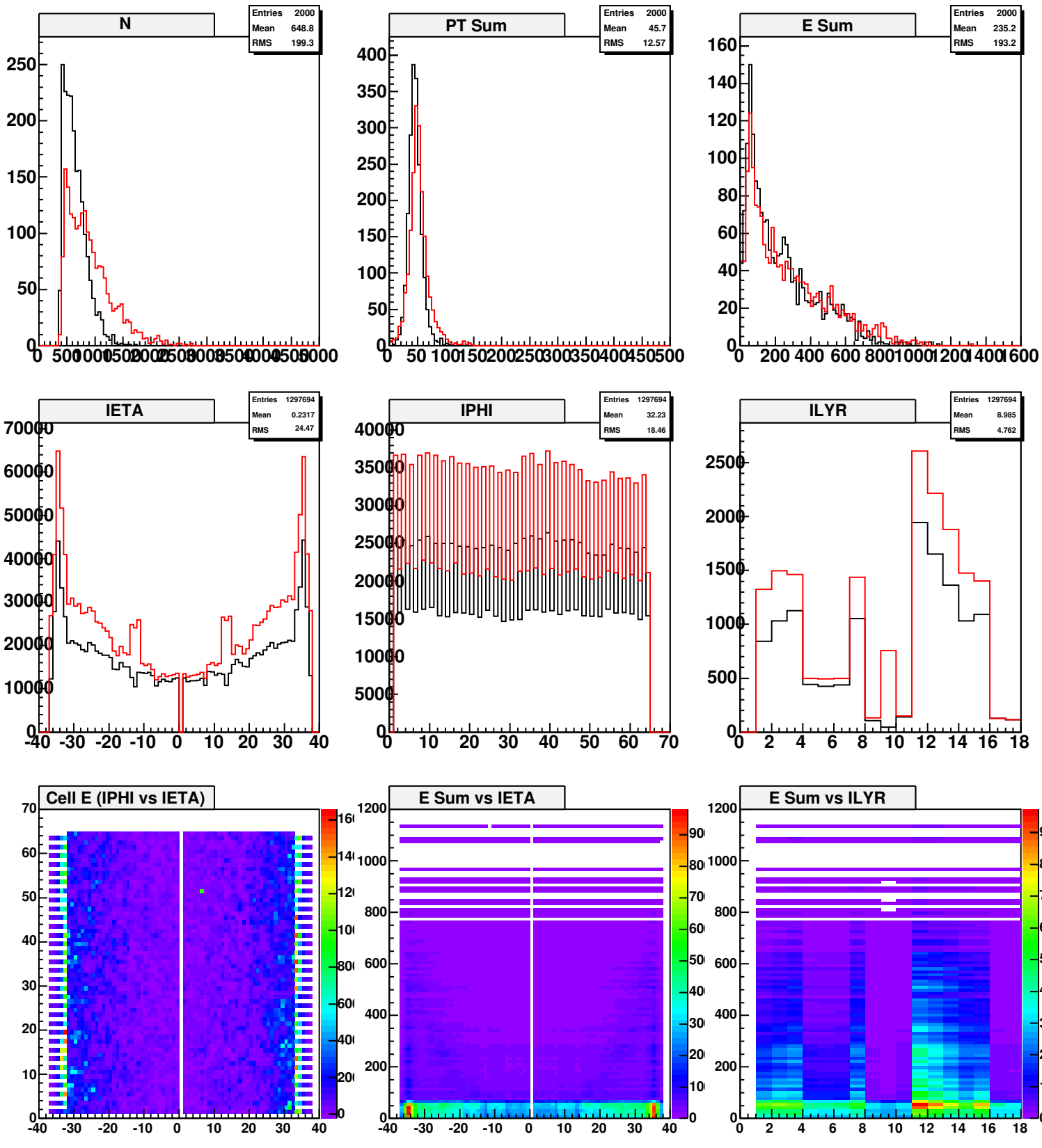




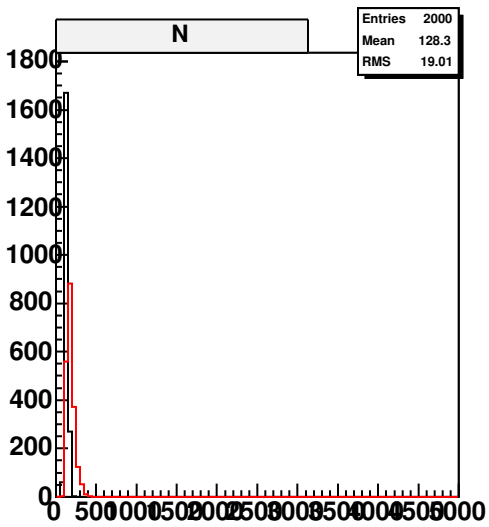
Detector Occupancy (Detector)

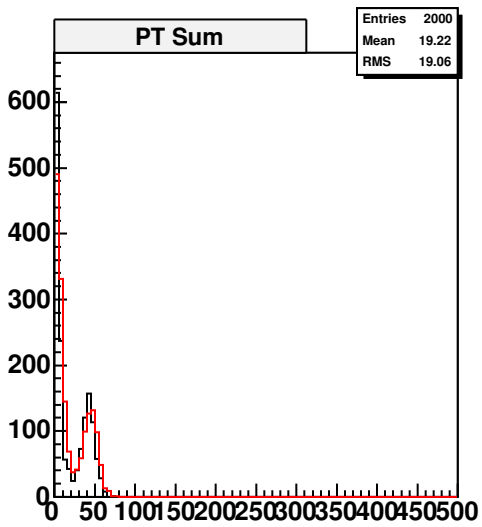


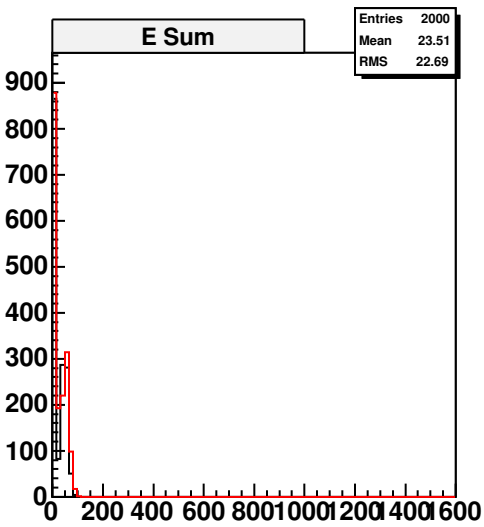
Detector Occupancy (Detector)

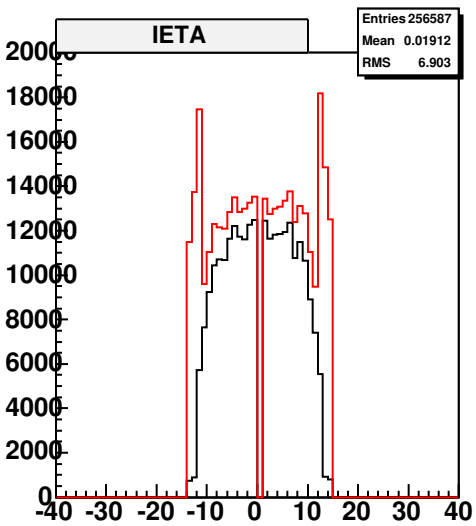


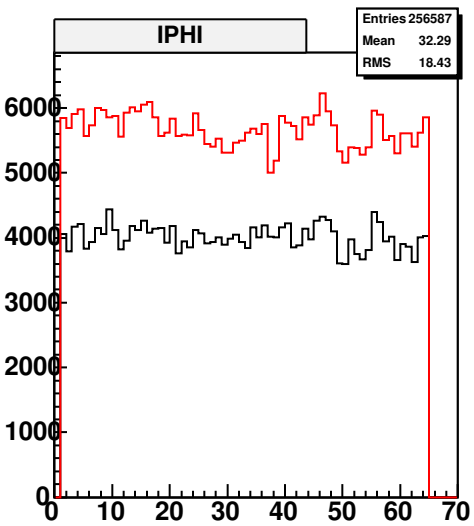
Calorimeter (All cells)

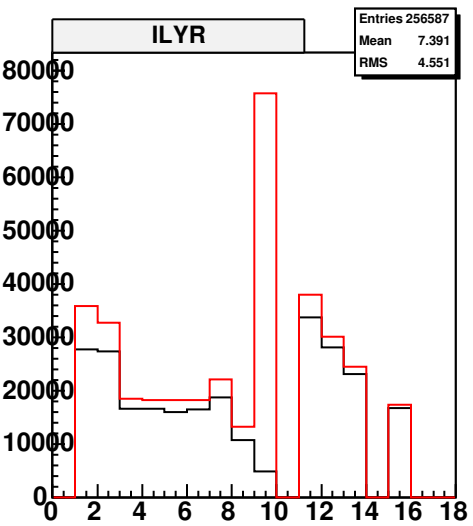


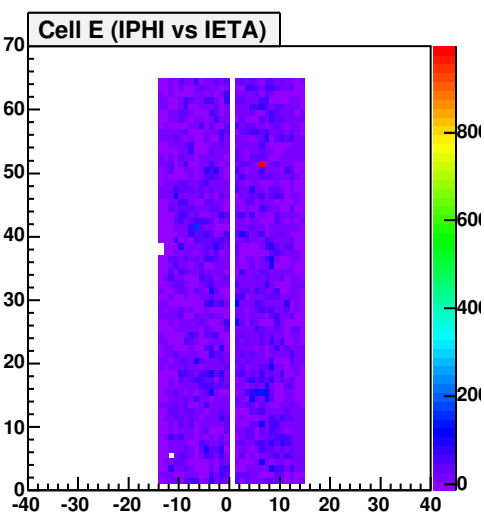


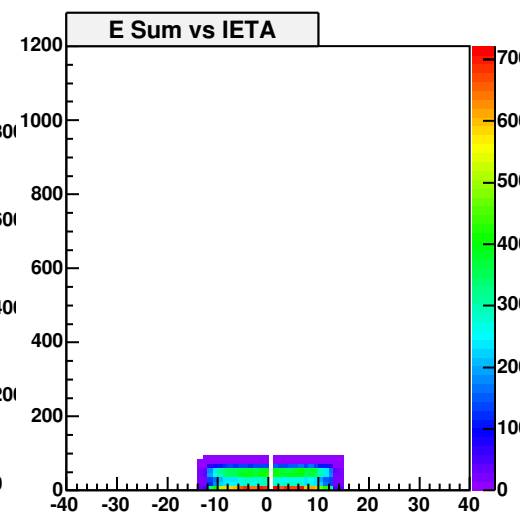


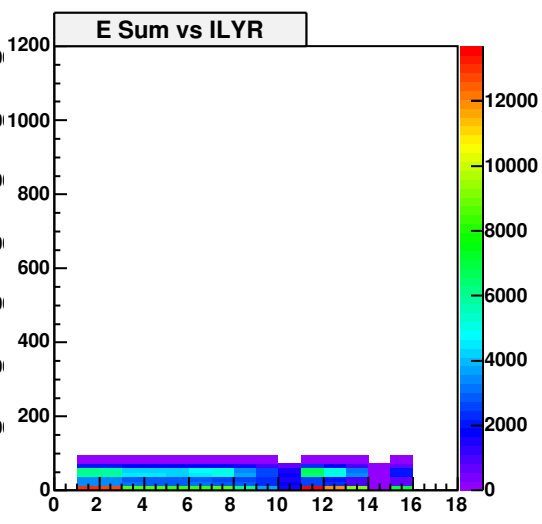




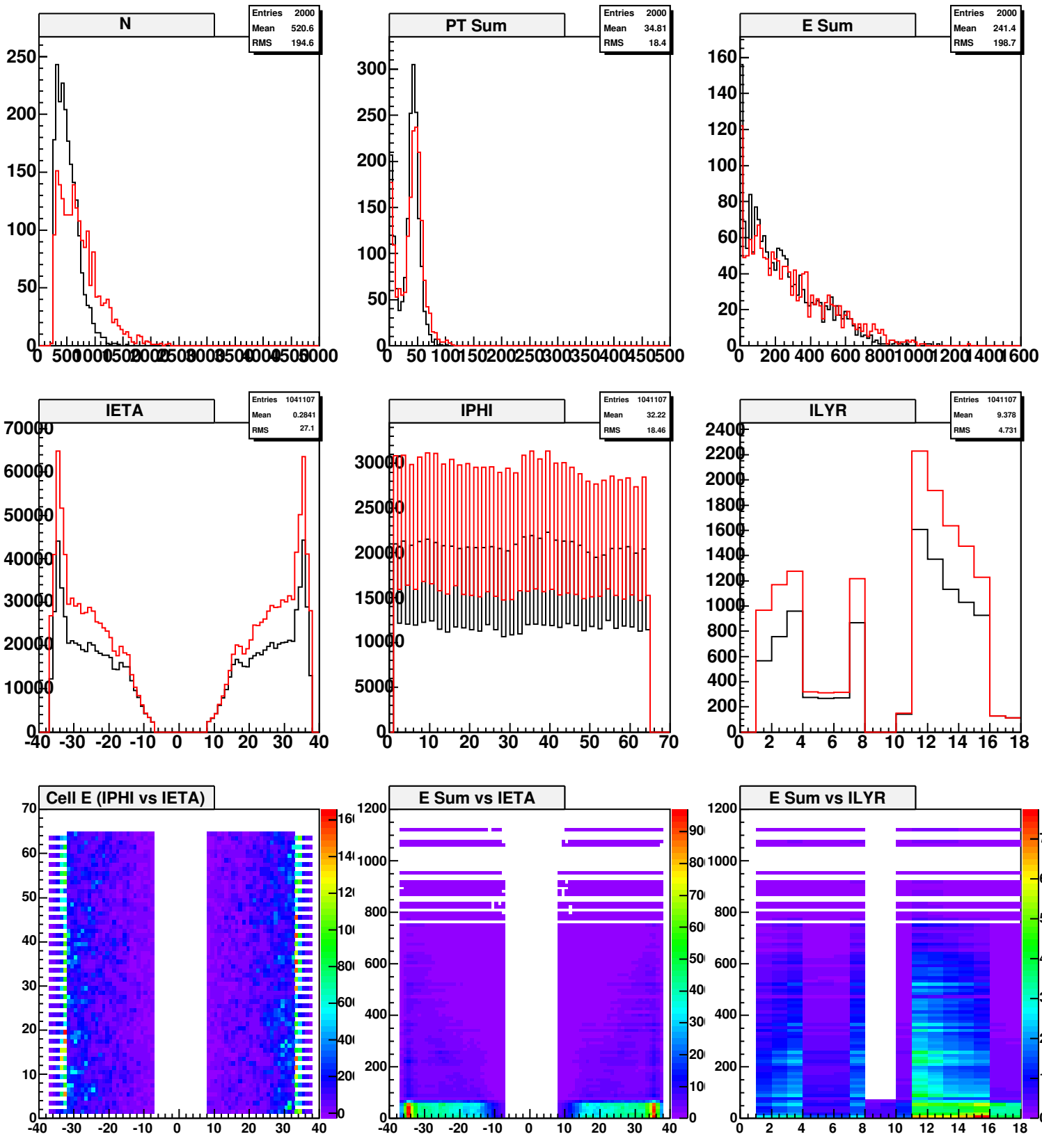




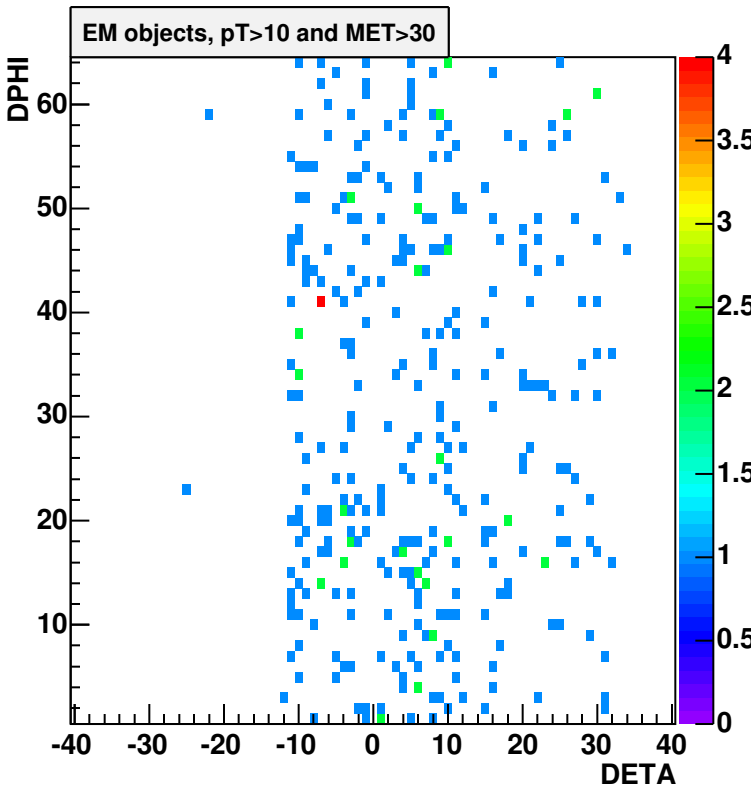


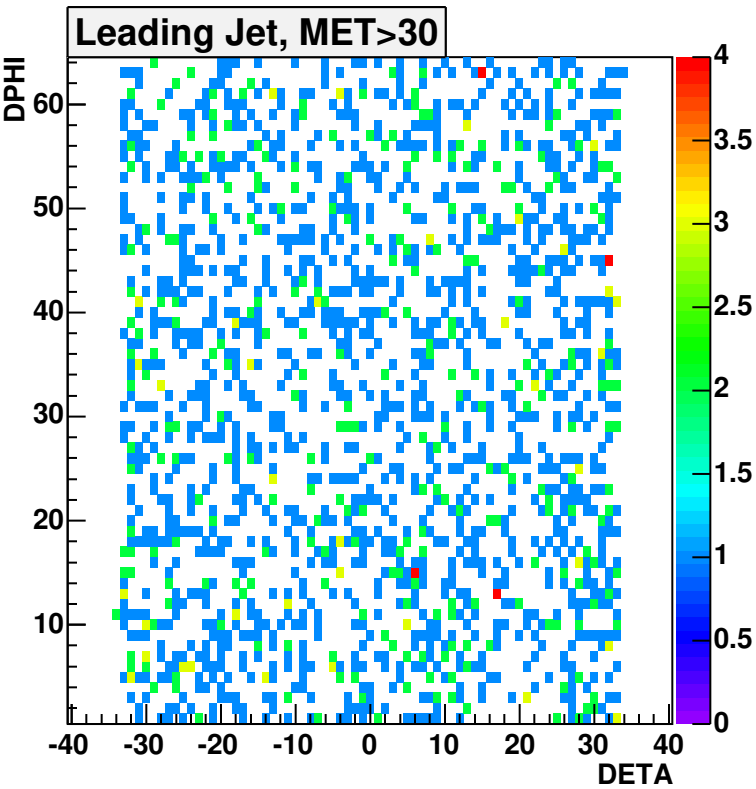


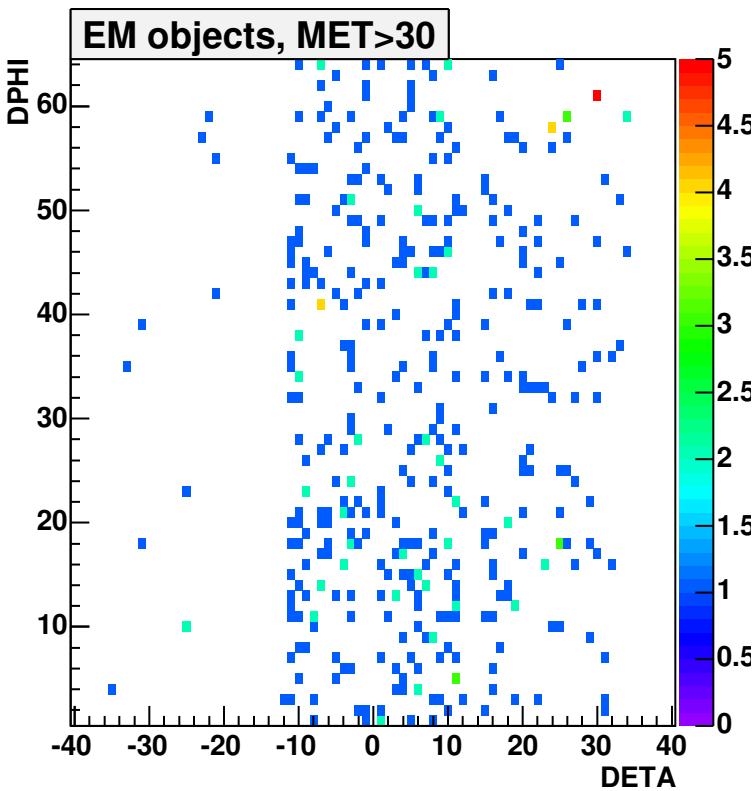
Calorimeter (All CC cells)



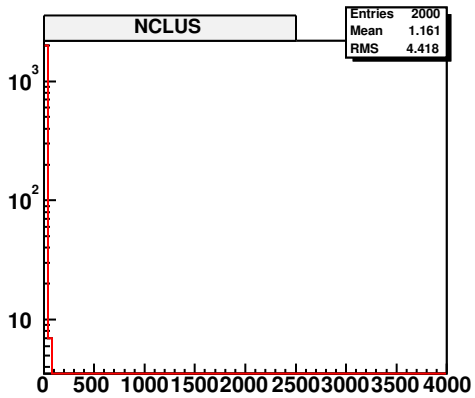
Calorimeter (All EC cells)

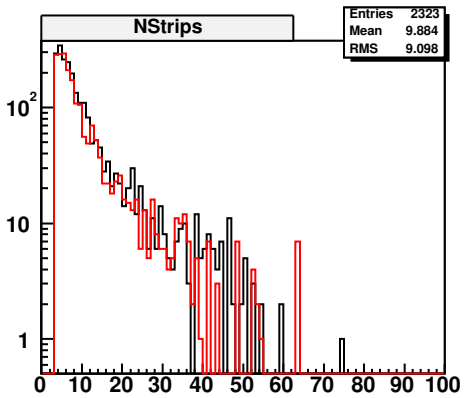


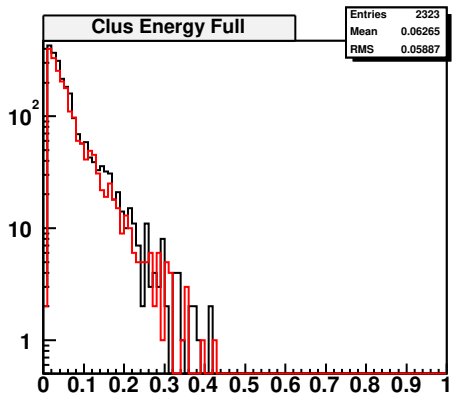


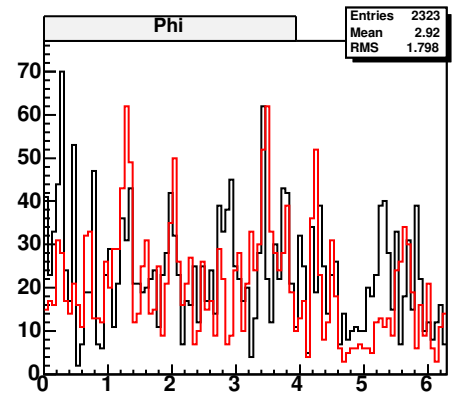


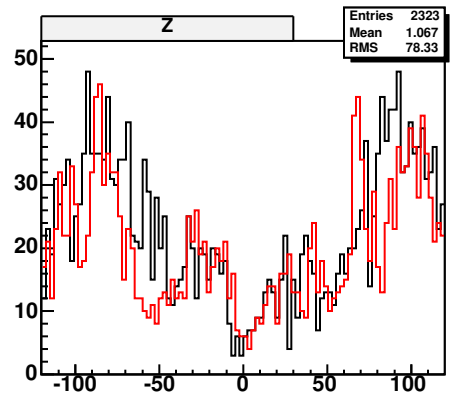
Calorimeter (All cells)

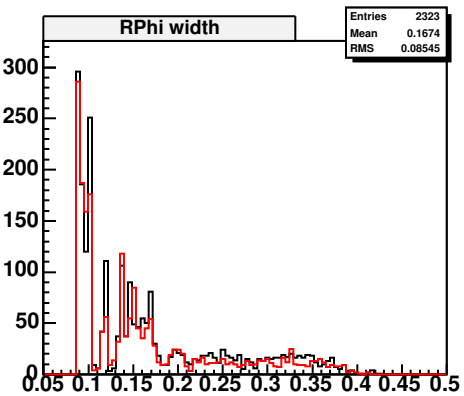


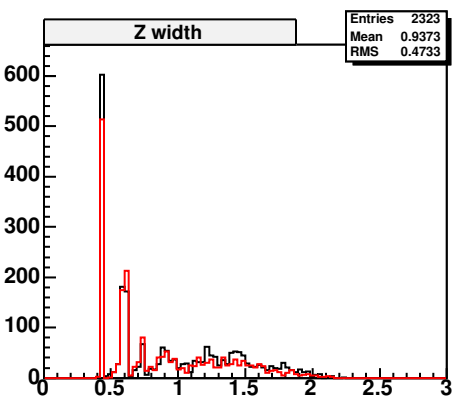


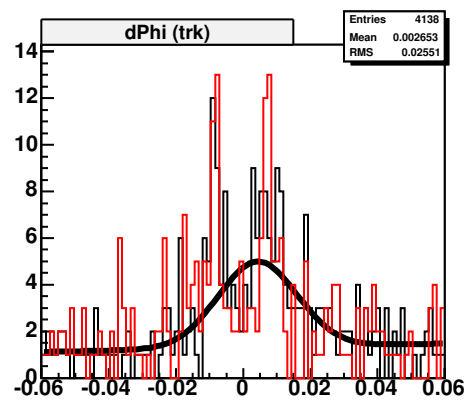


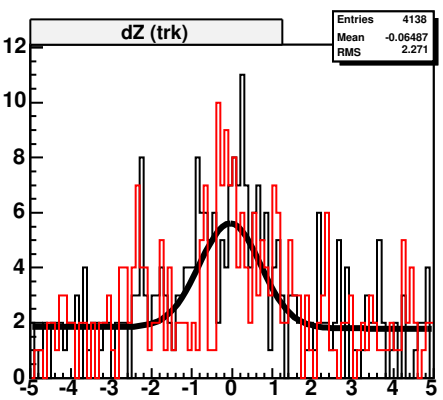


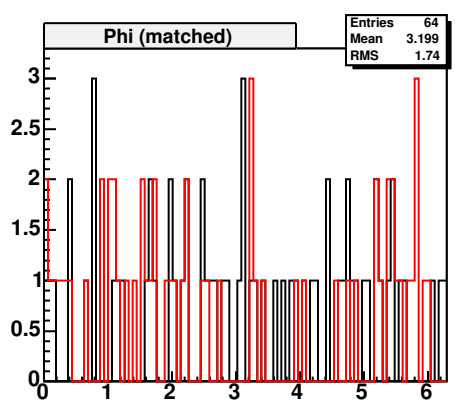


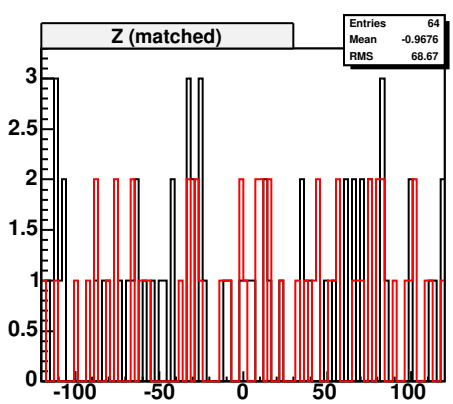




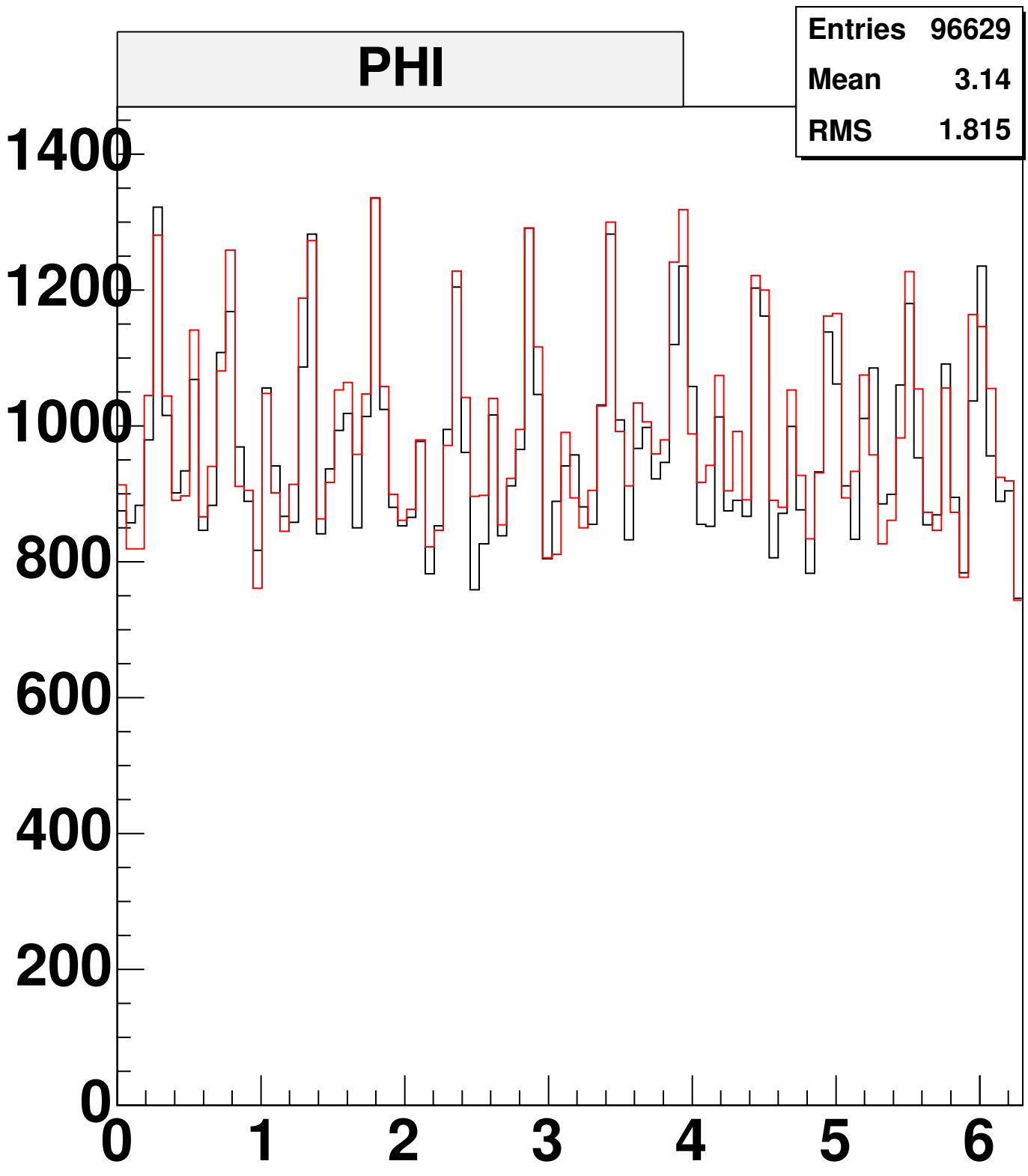


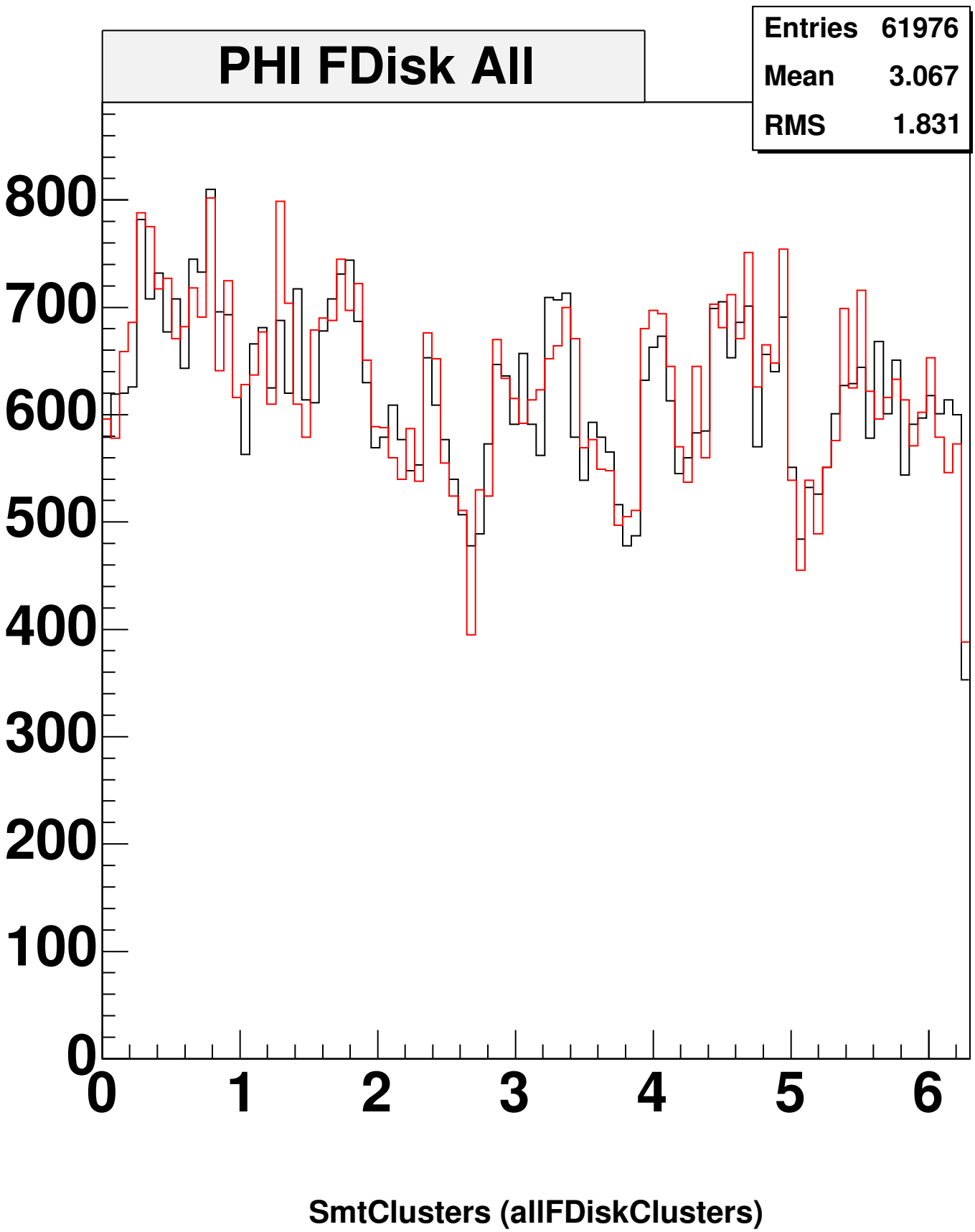


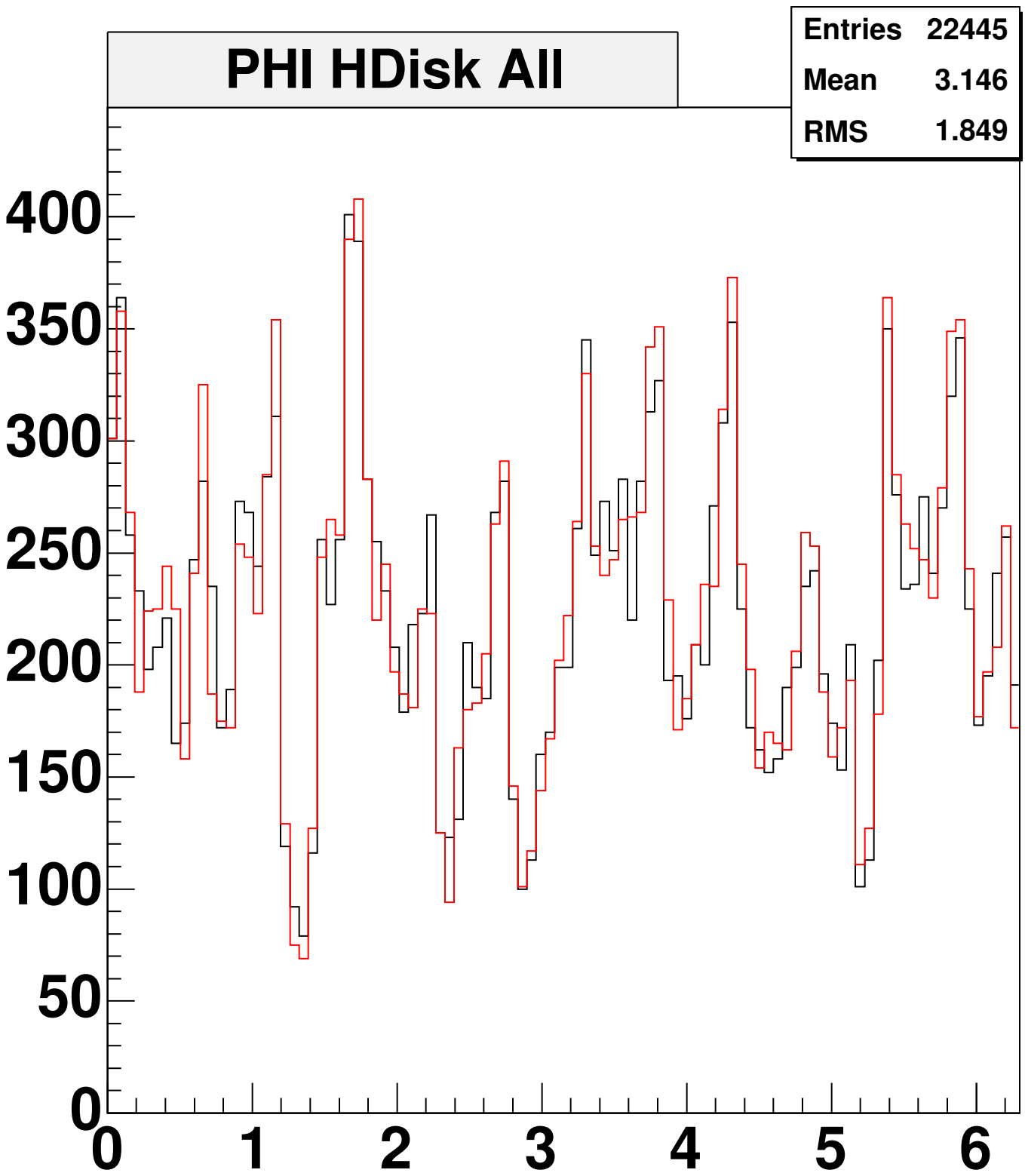




CPS Clusters (All Clusters)


PHI
Entries 96629
Mean 3.14
RMS 1.815
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 61976
Mean 3.067
RMS 1.831
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 22445
Mean 3.146
RMS 1.849
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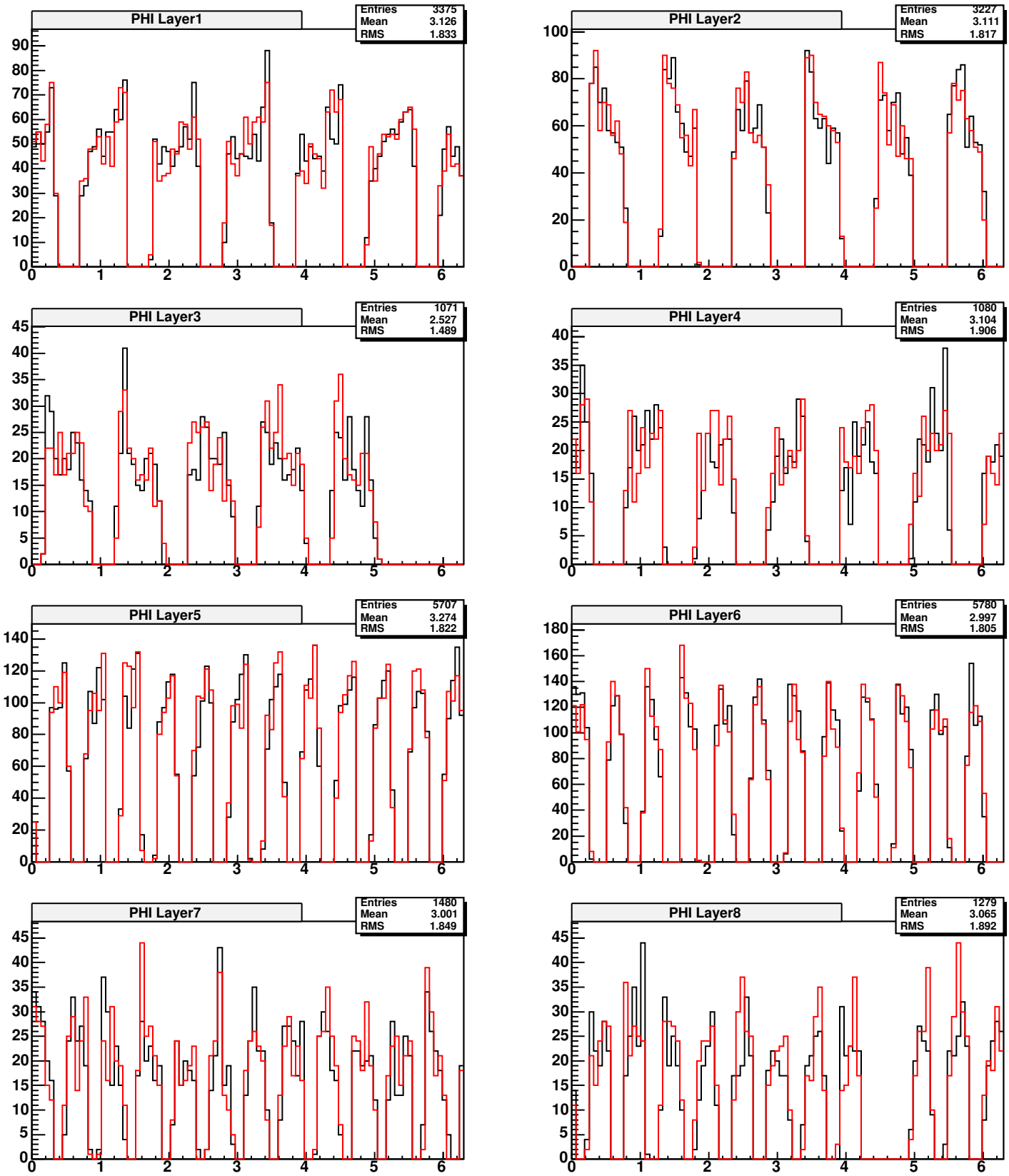
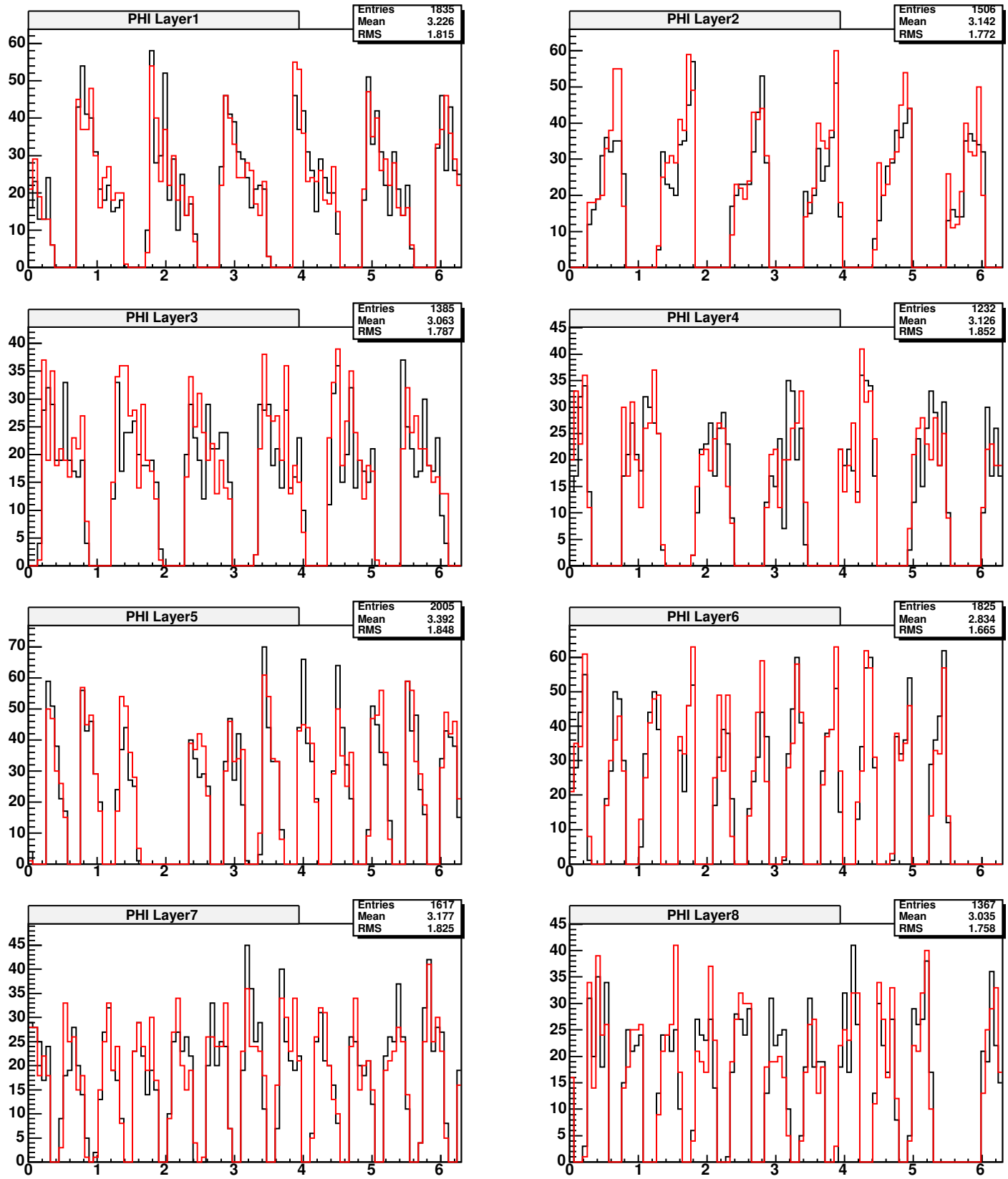
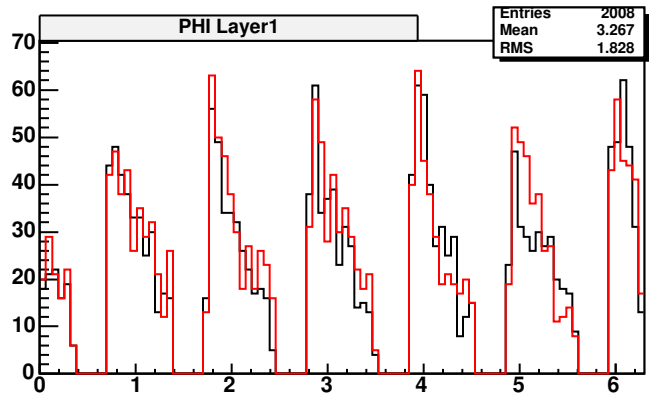
350
300
250
200
150
100
50
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

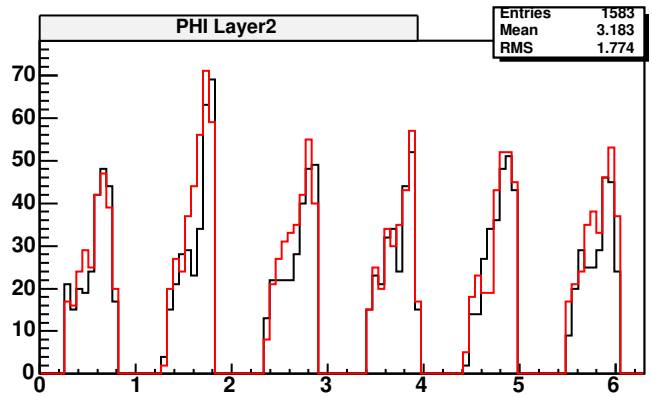


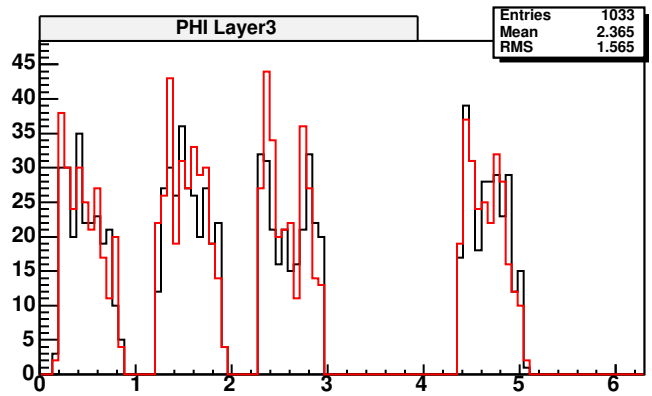
SmtClusters (ClustrBar1)

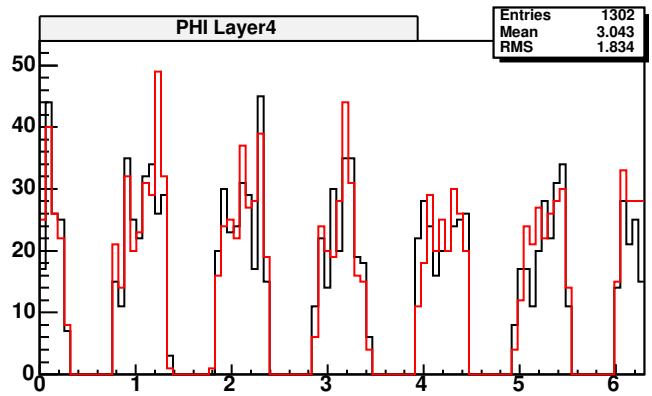


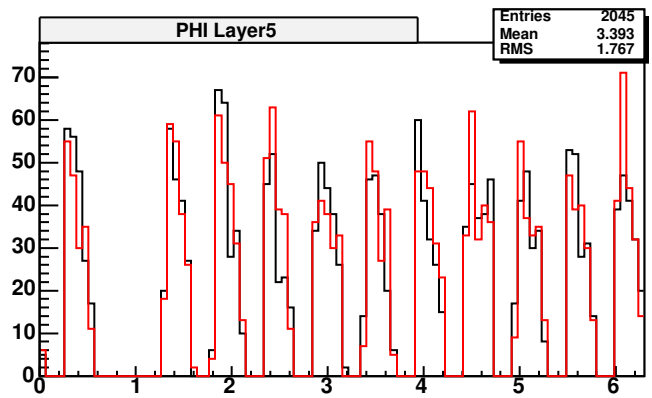
SmtClusters (ClustrBar2)

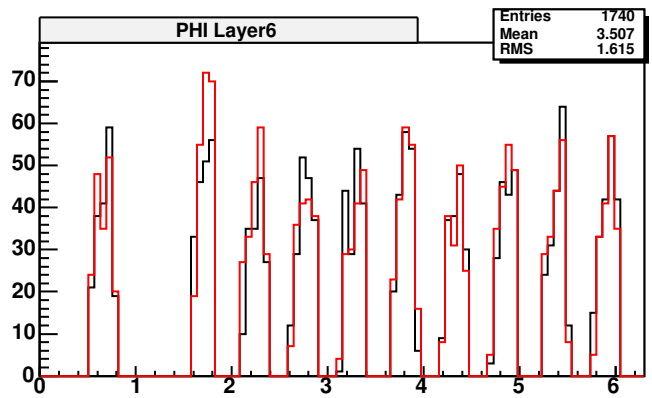


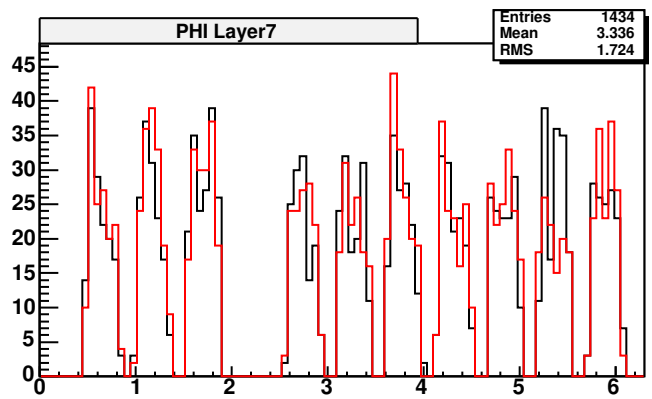


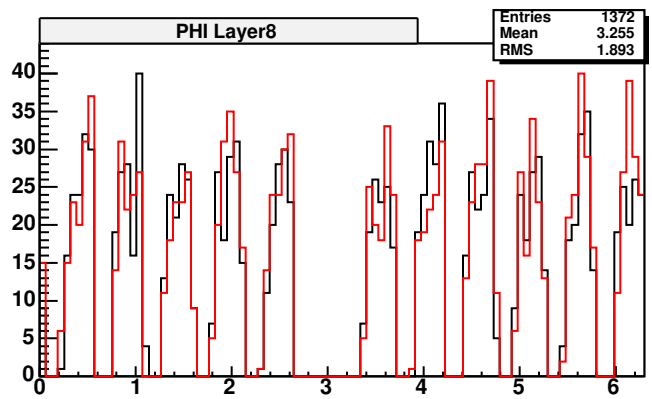




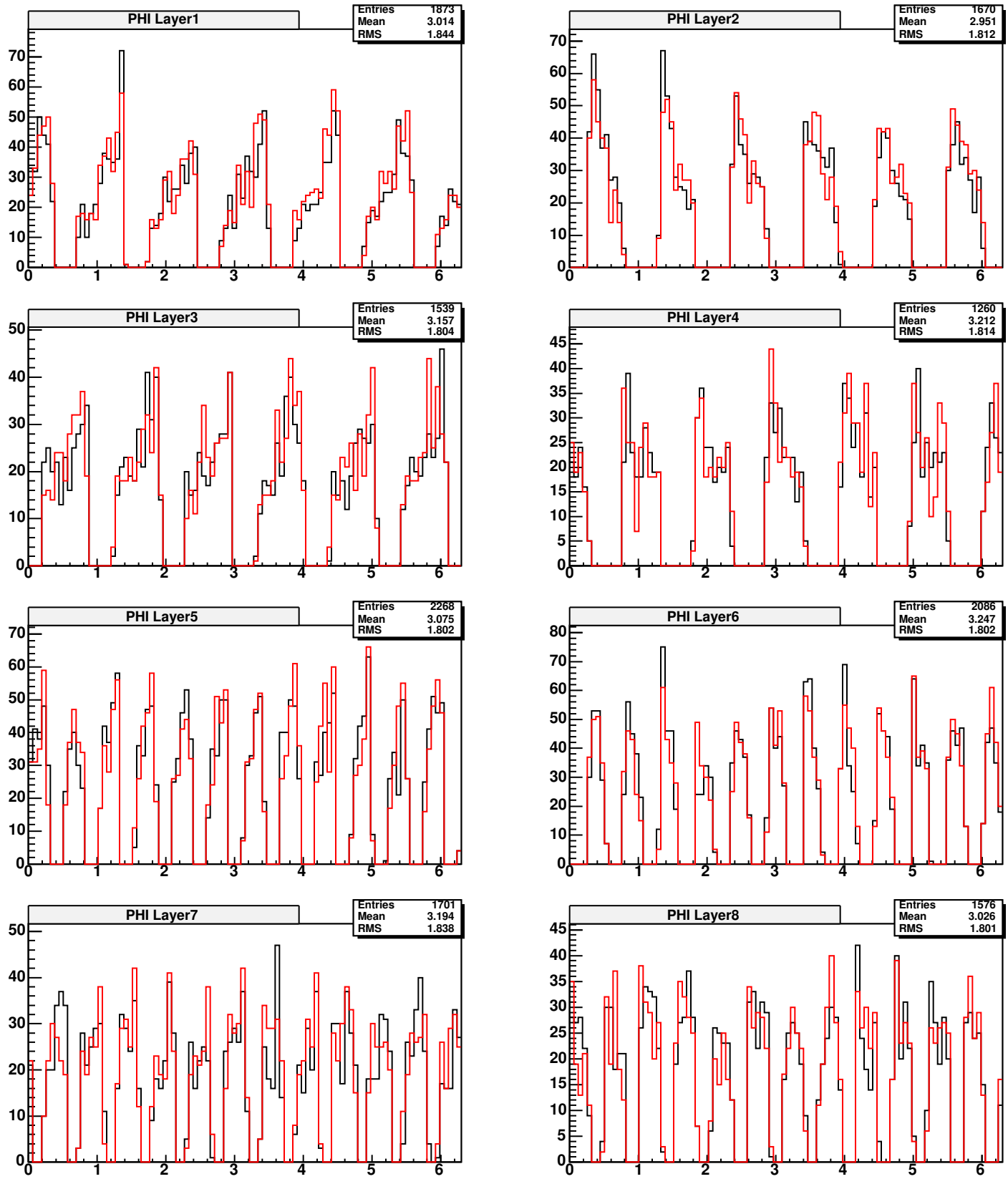




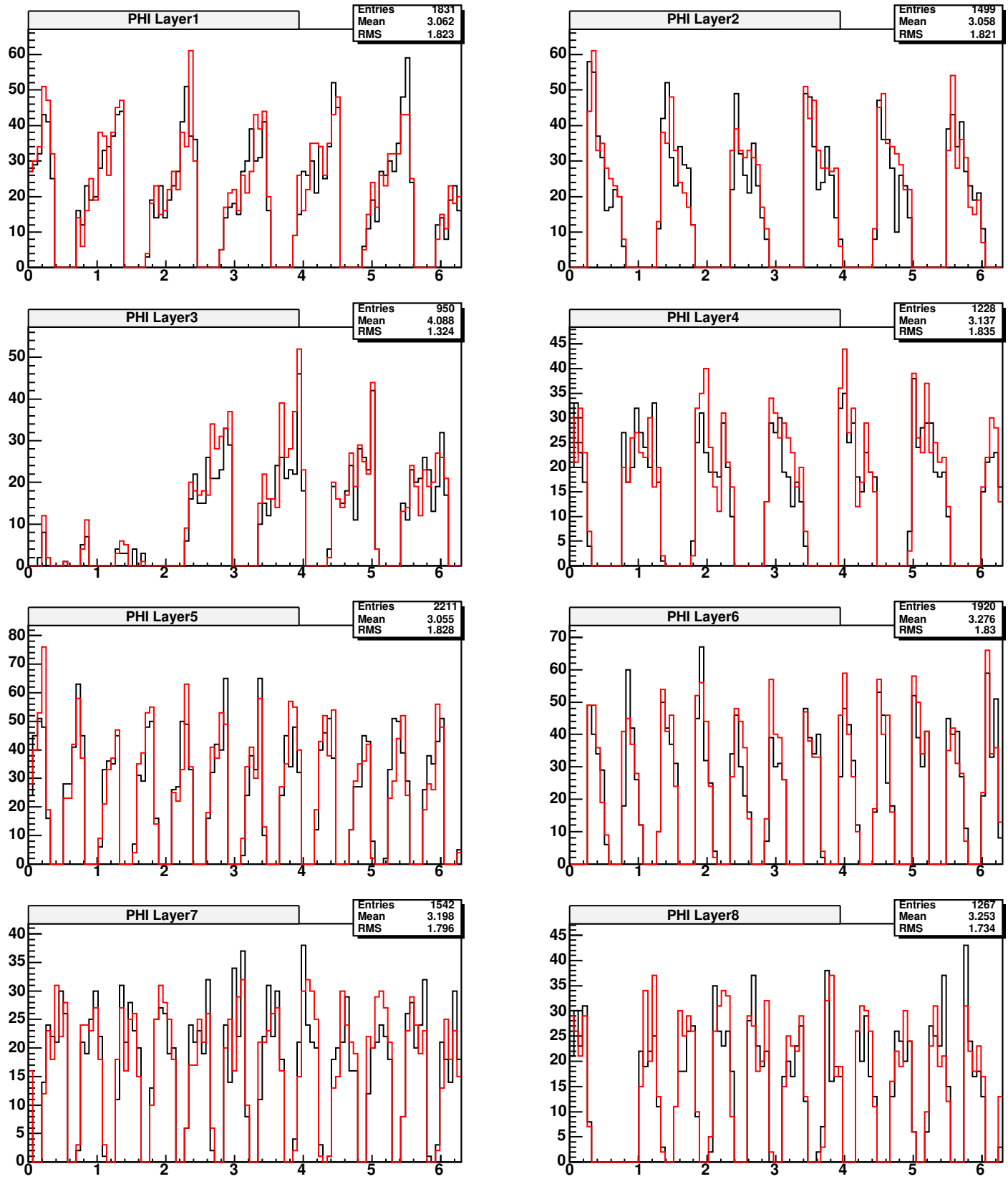




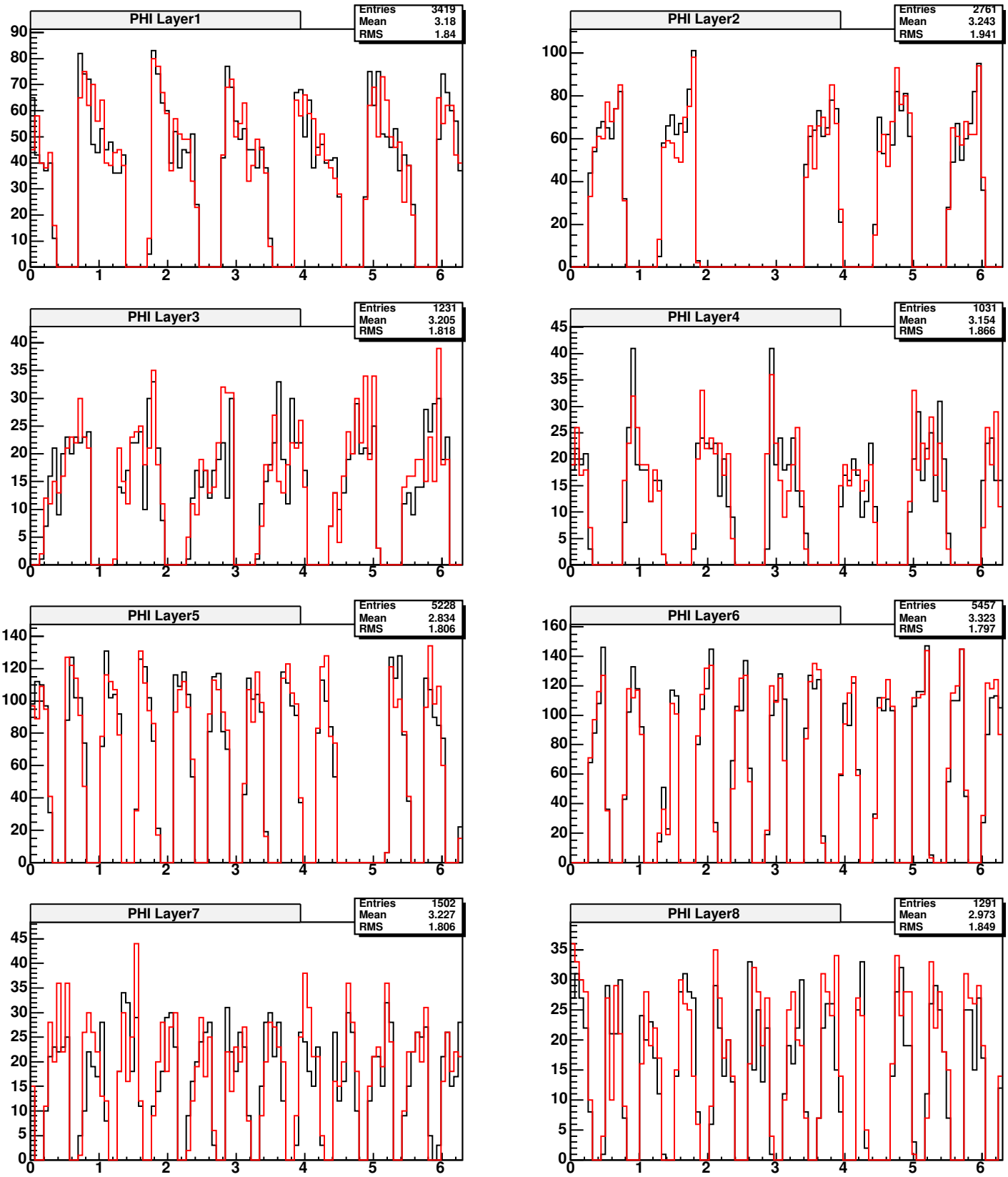
SmtClusters (ClustrBar3)



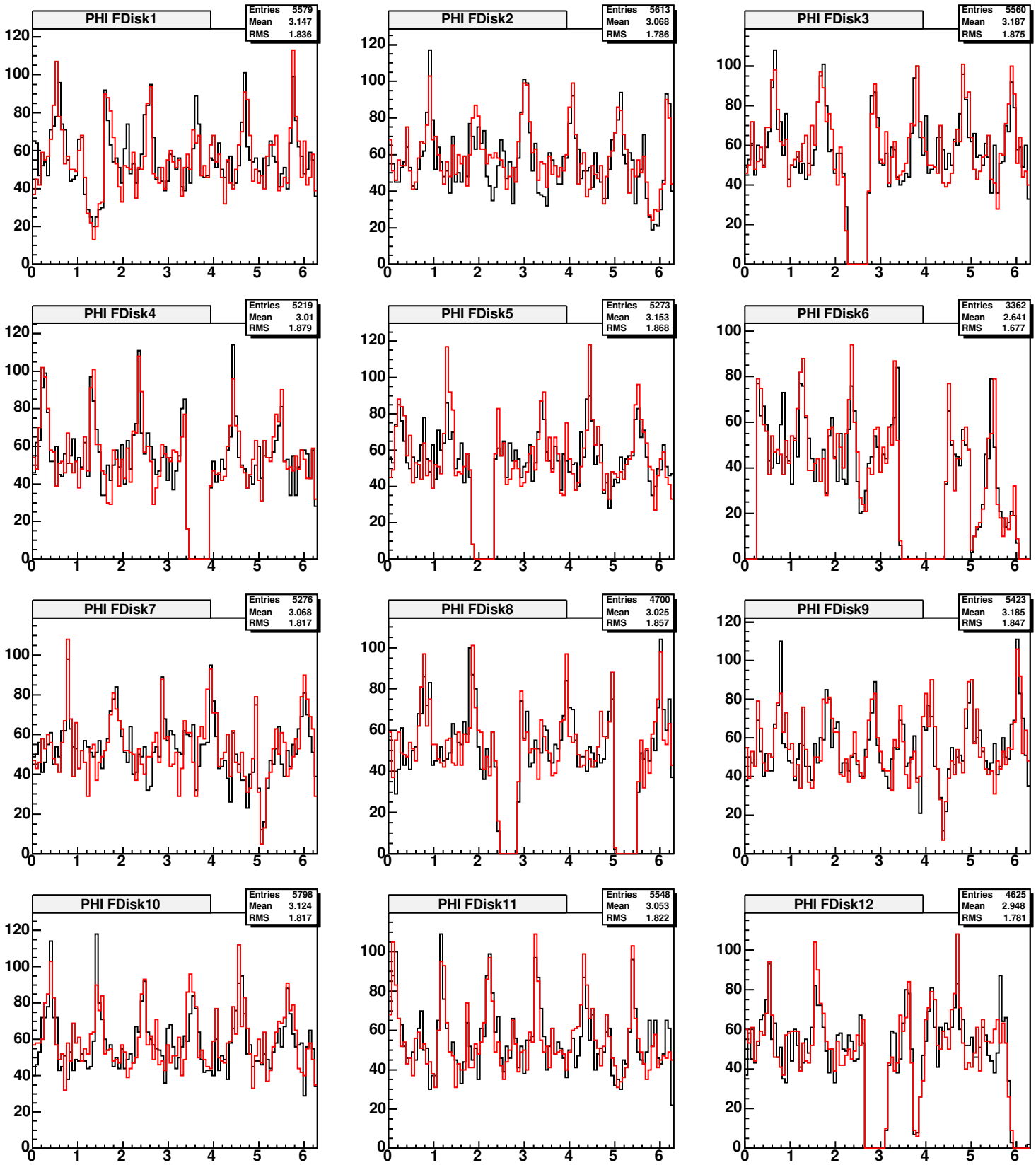
SmtClusters (ClustrBar4)



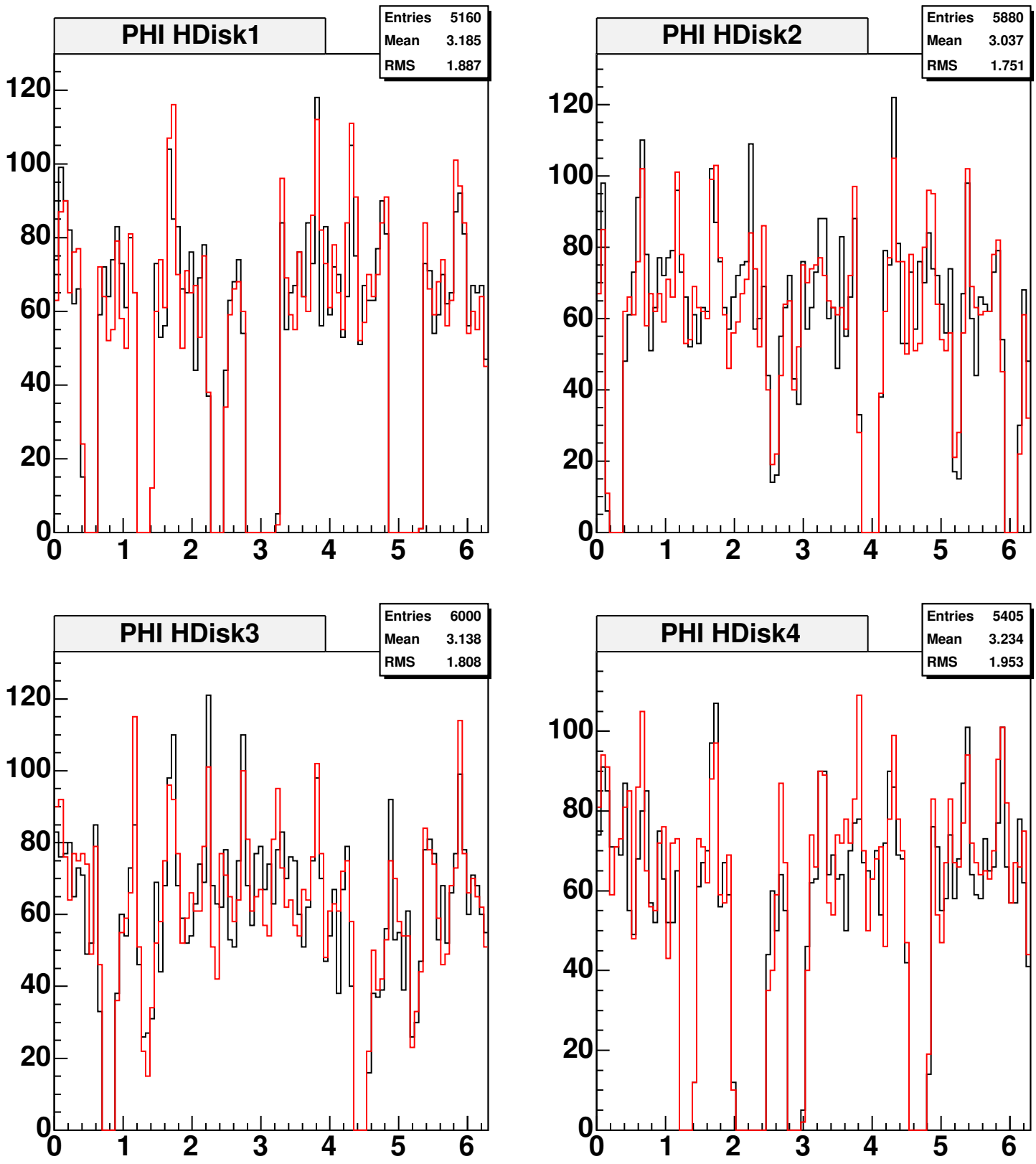
SmtClusters (ClustrBar5)

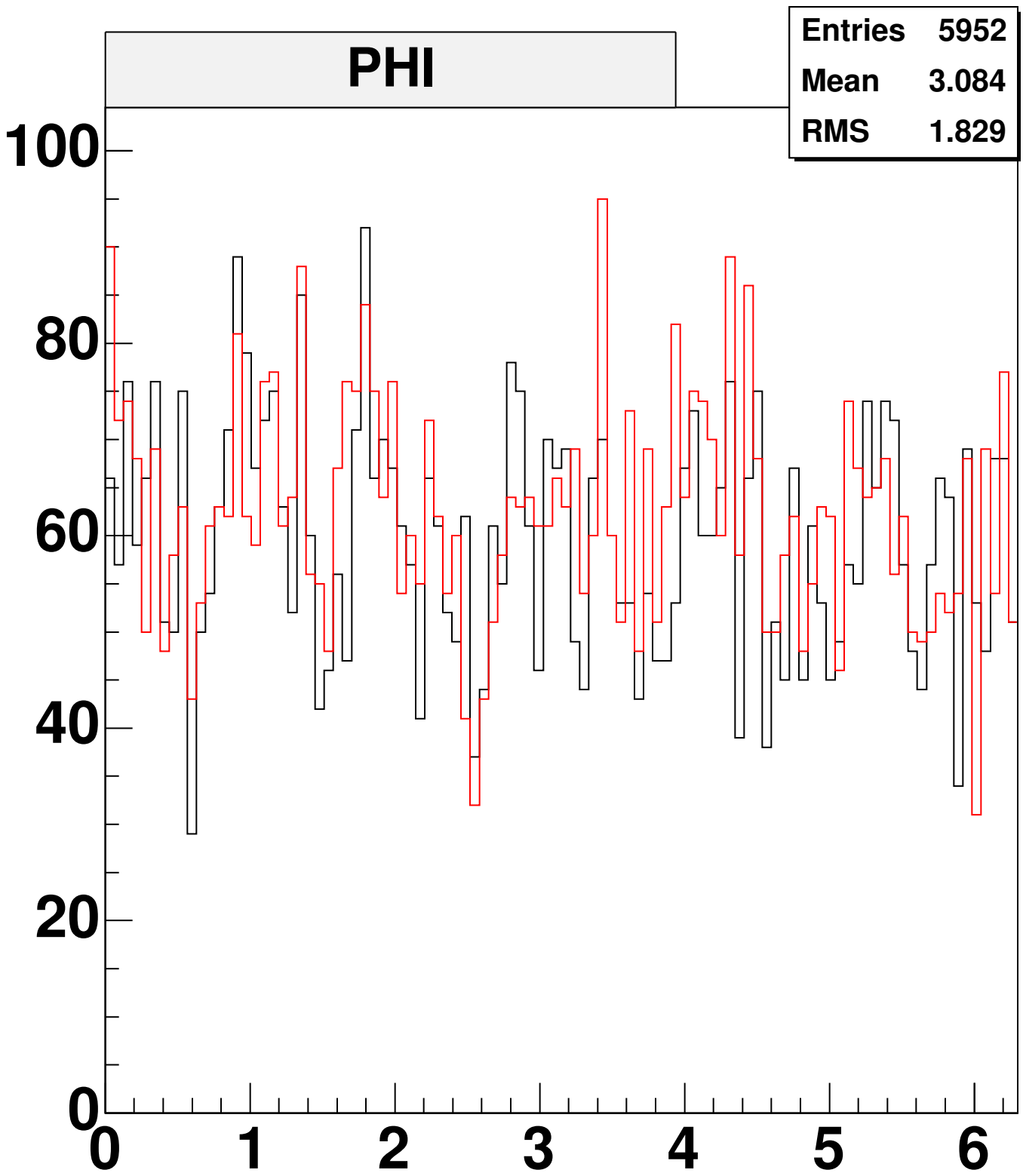


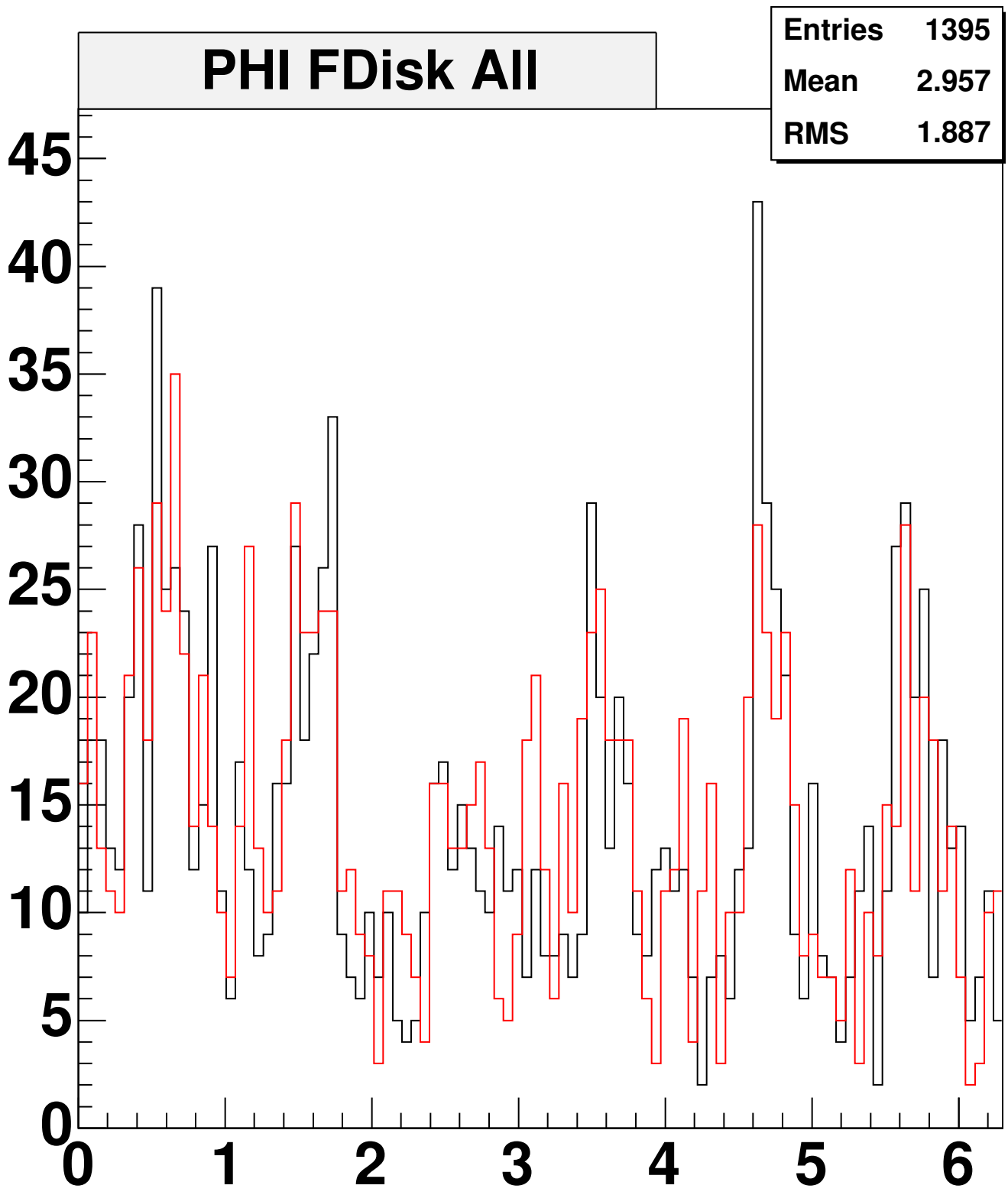
SmtClusters (ClustrBar6)

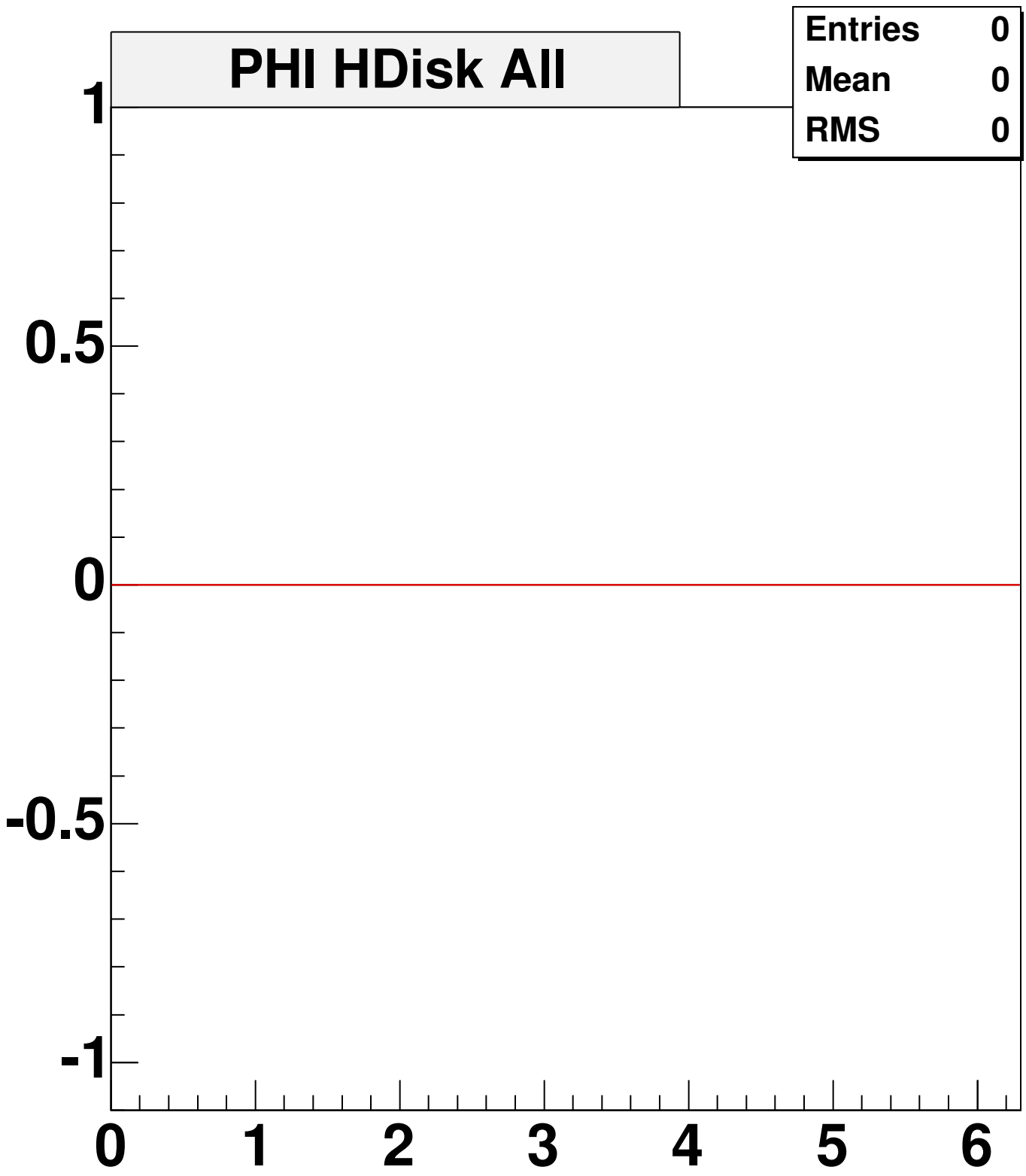


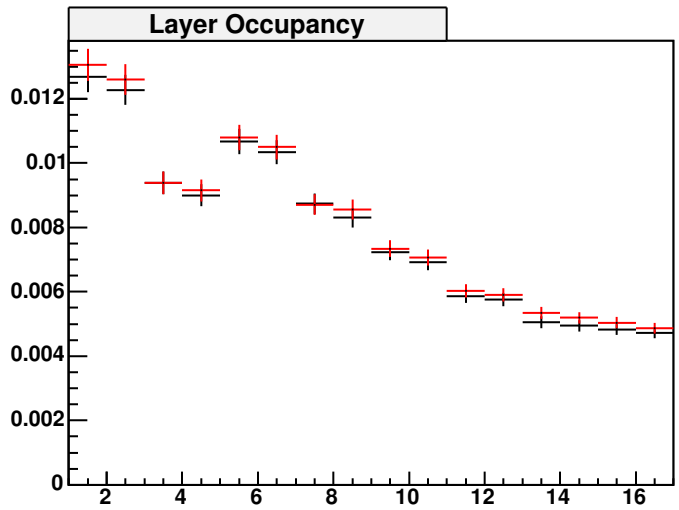
SmtClusters (FDiskClusters)

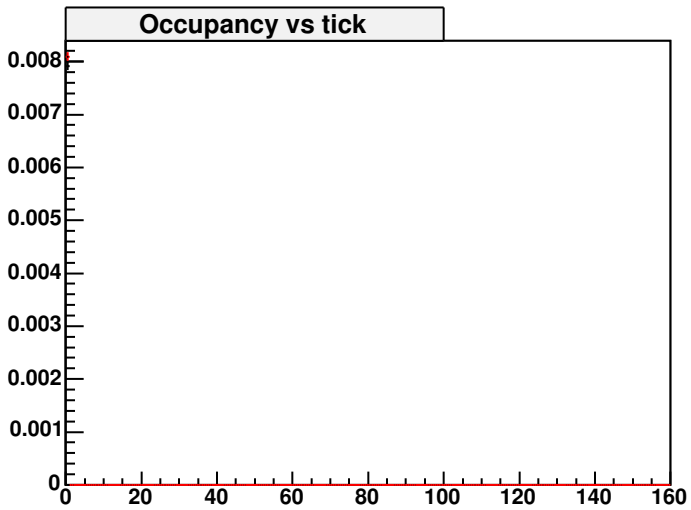

PHI HDisk1
Entries 5160
Mean 3.185
RMS 1.887
PHI HDisk2
Entries 5880
Mean 3.037
RMS 1.751
PHI HDisk3
Entries 6000
Mean 3.138
RMS 1.808
PHI HDisk4
Entries 5405
Mean 3.234
RMS 1.953
SmtClusters (HDiskClusters)

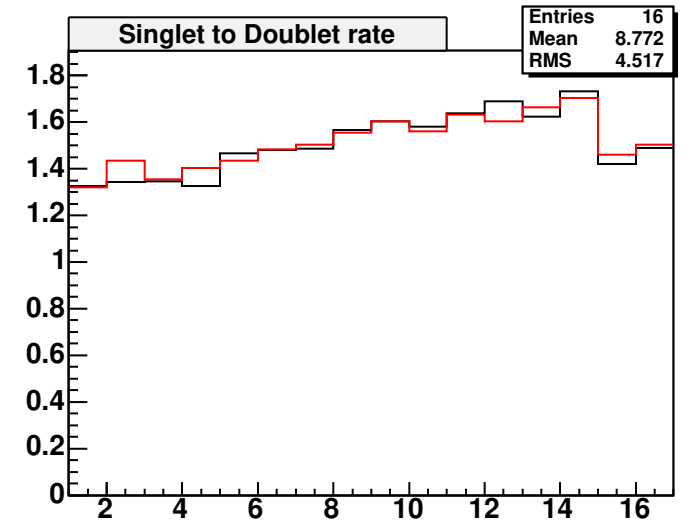

PHI
Entries 5952
Mean 3.084
RMS 1.829
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

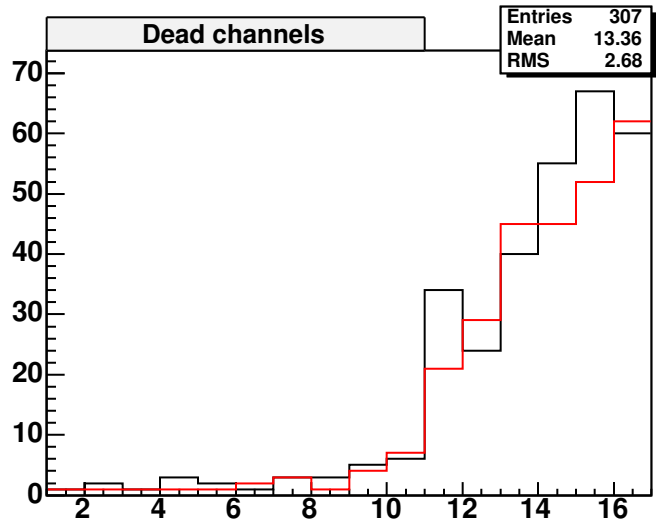

PHI FDisk All
Entries 1395
Mean 2.957
RMS 1.887
45
40
35
30
25
20
15
10
5
0
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

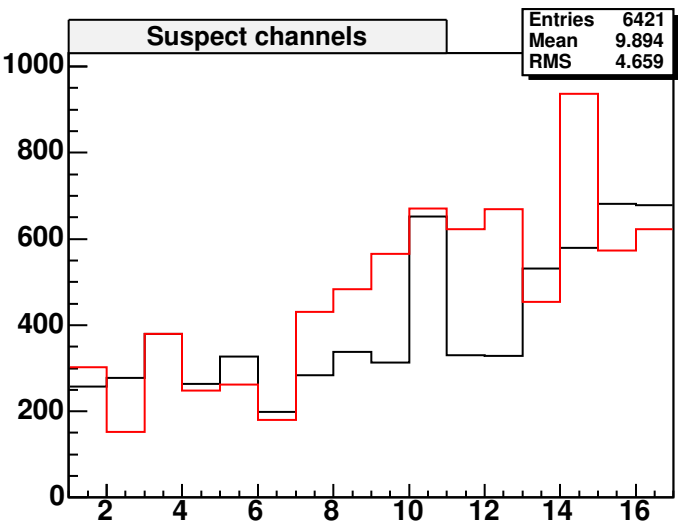

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

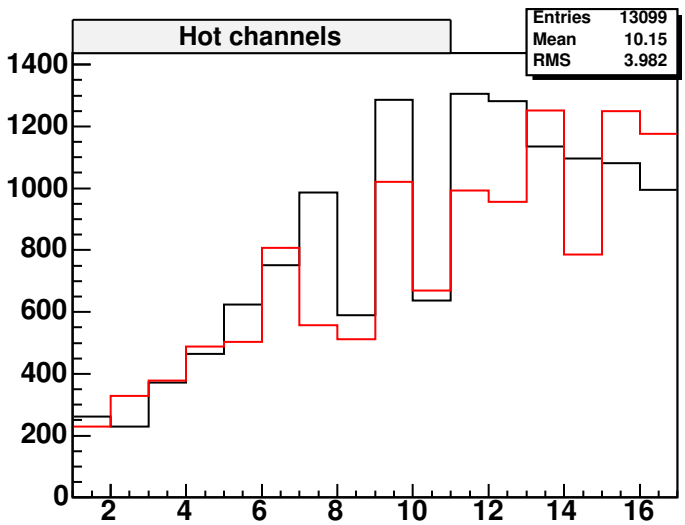




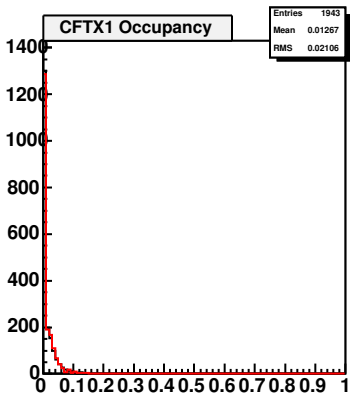


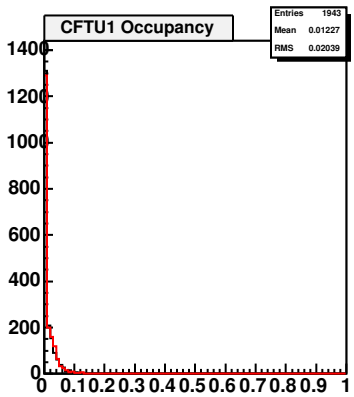


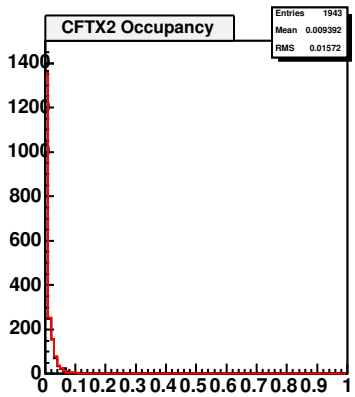


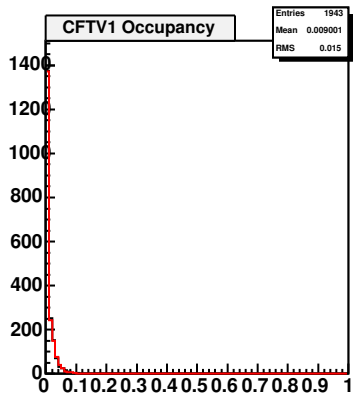


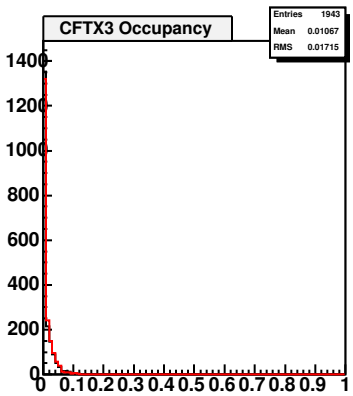
CFT Summary (All Clusters)

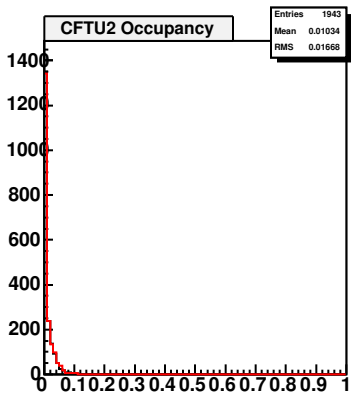


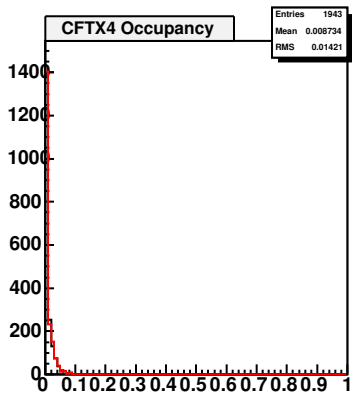


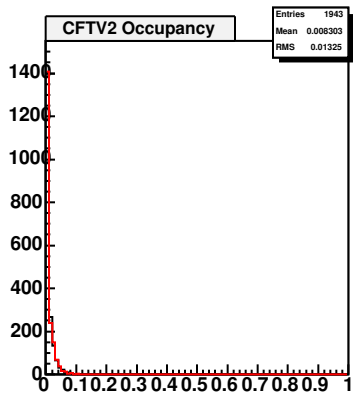


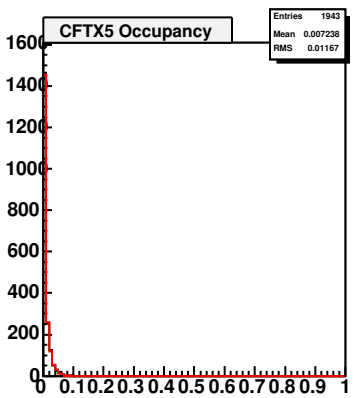


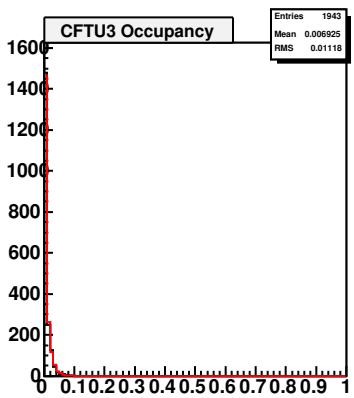


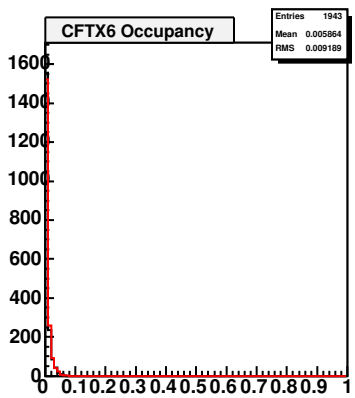


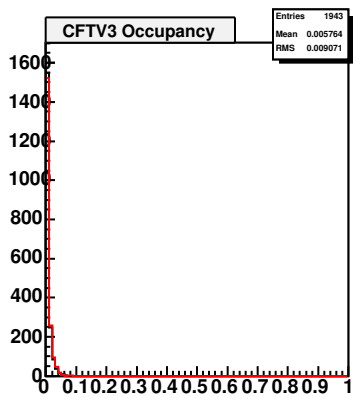


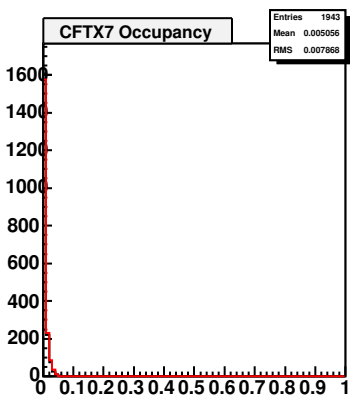


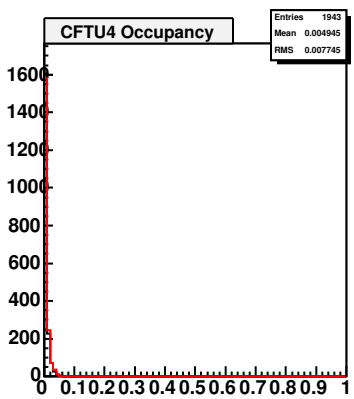


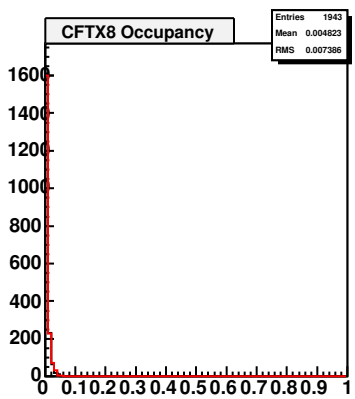


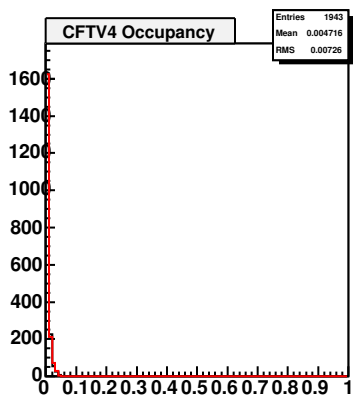




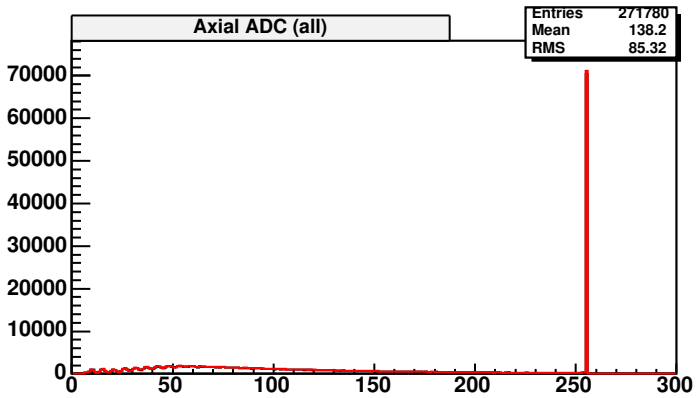


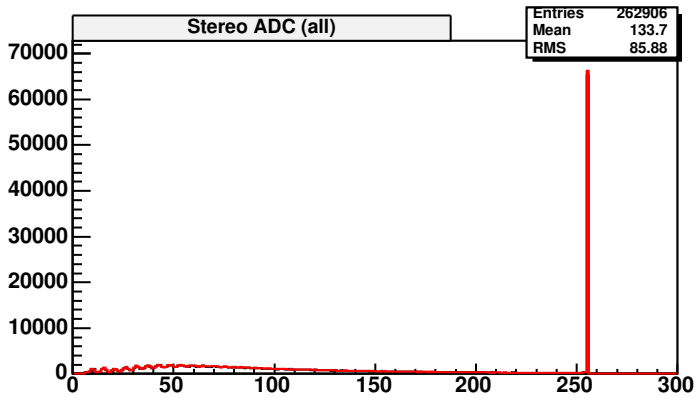


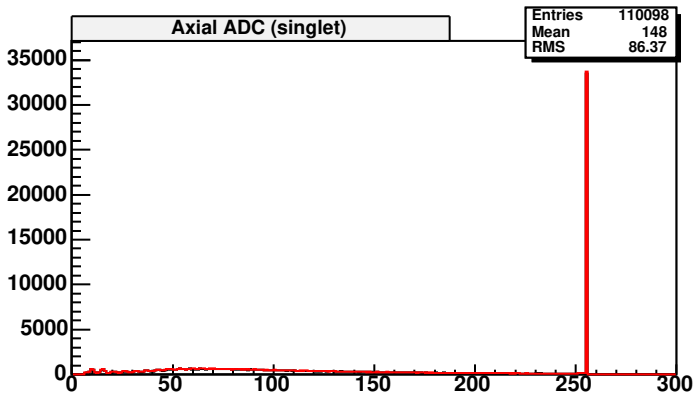


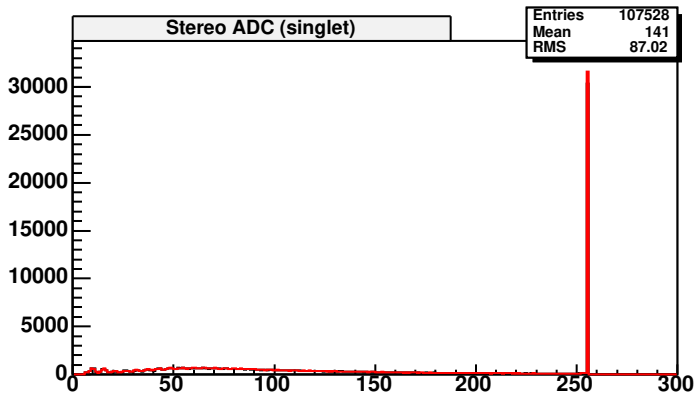


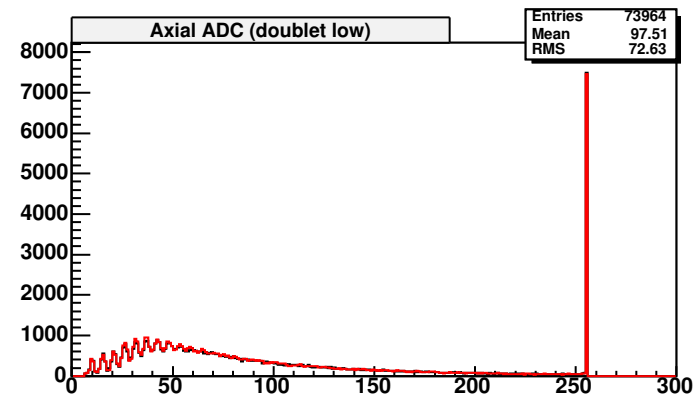
Cft Occupancy (All Clusters)

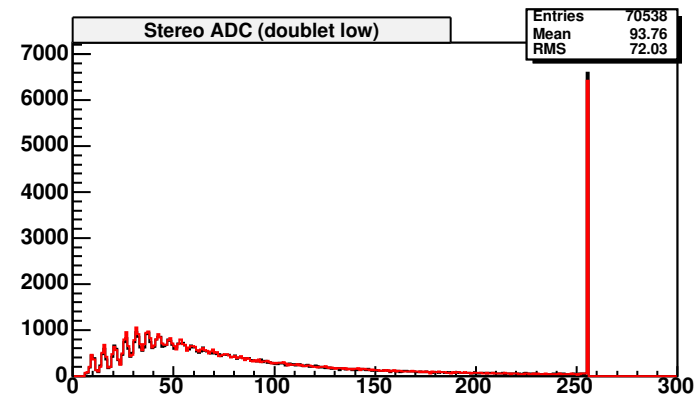


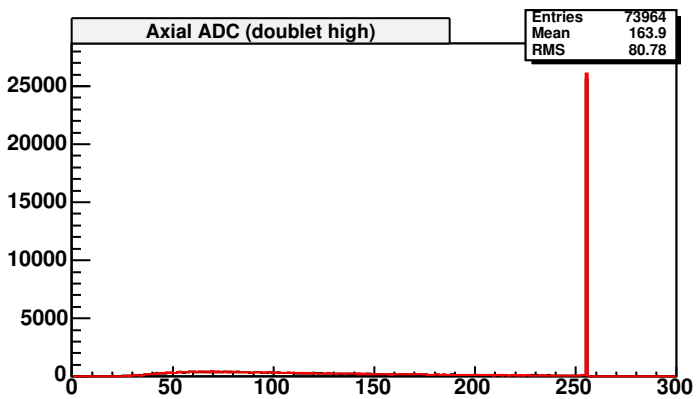


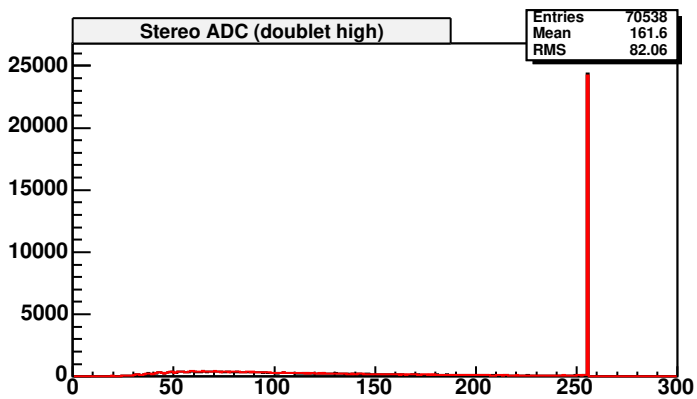




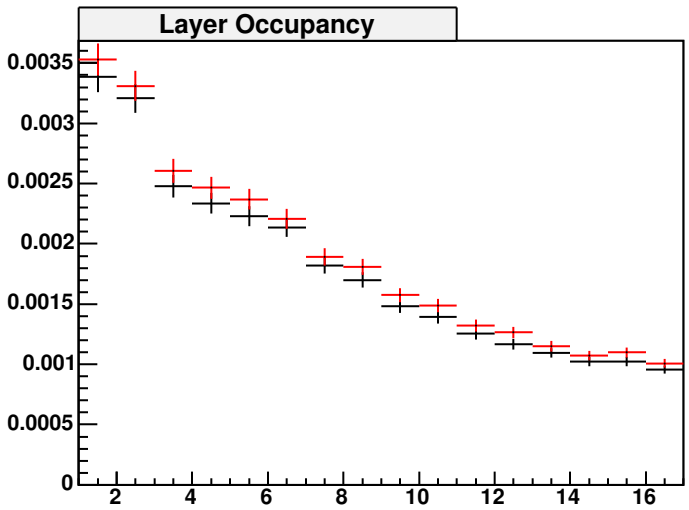


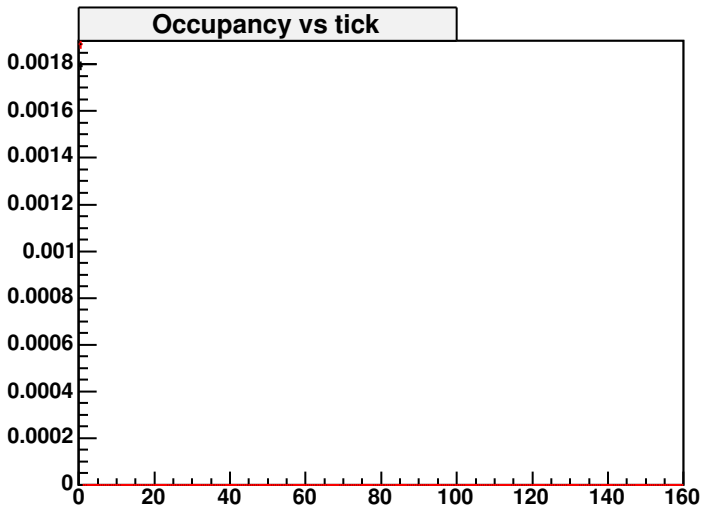


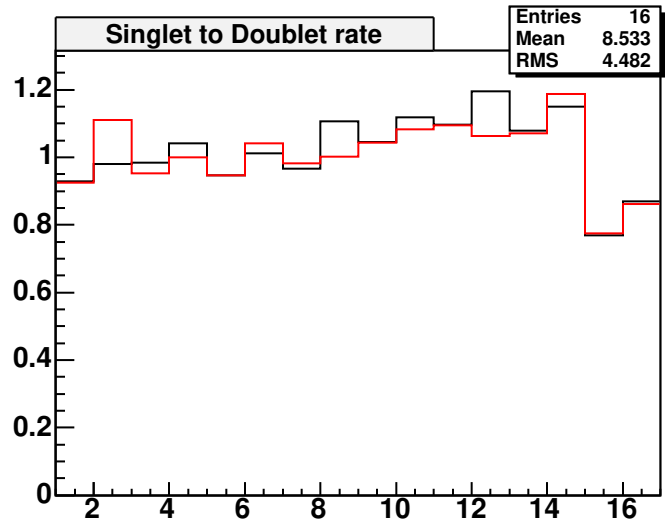


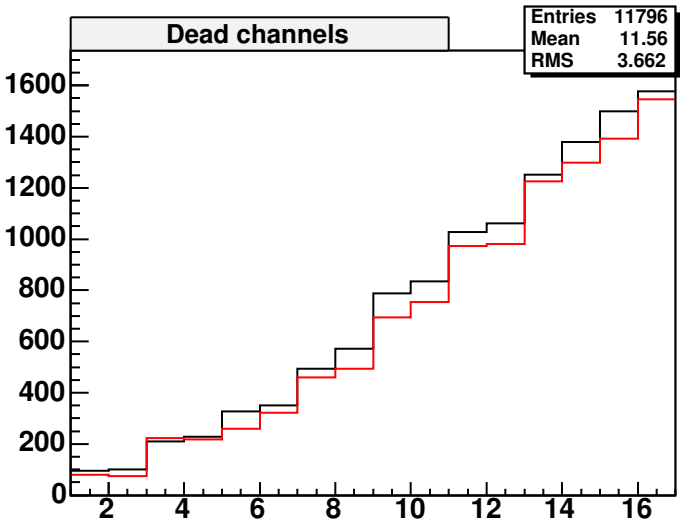


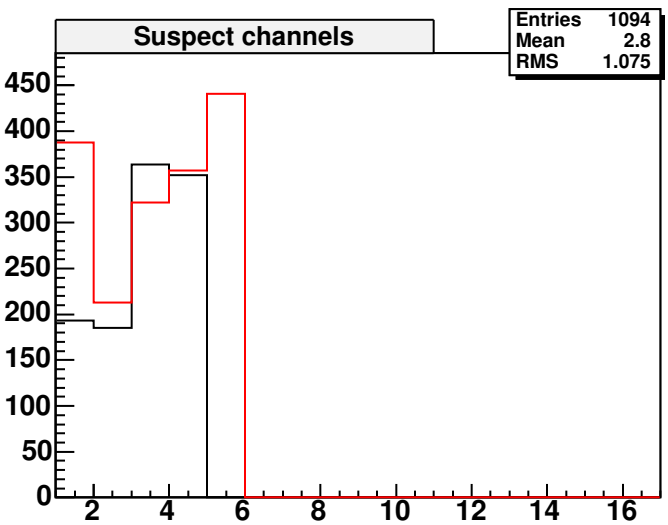
CFT ADC Summary (All Clusters)

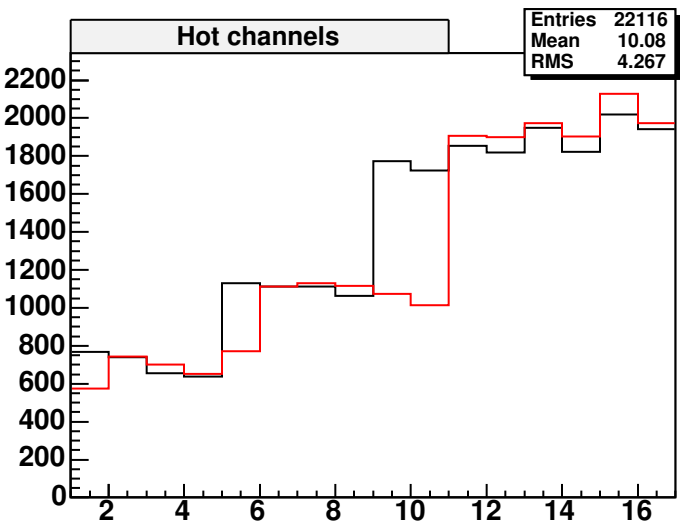




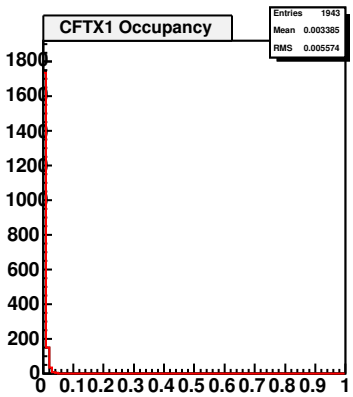


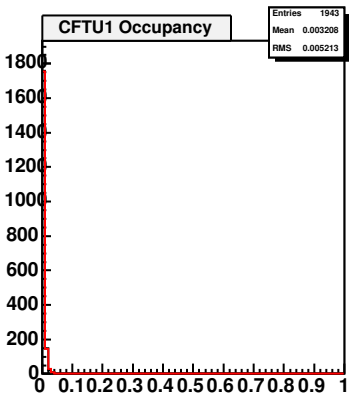


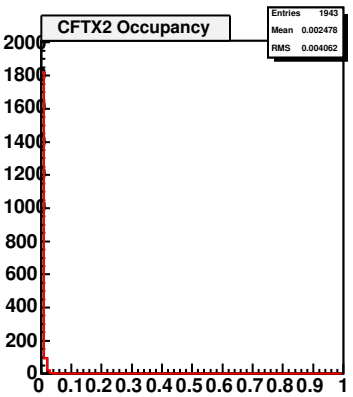


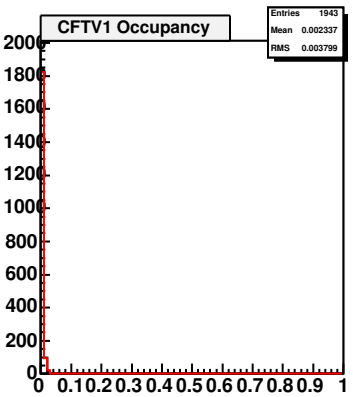


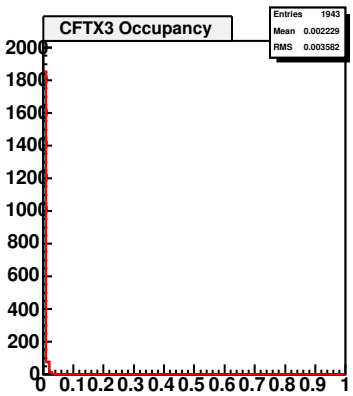
CFT Summary (Clusters on tracks)

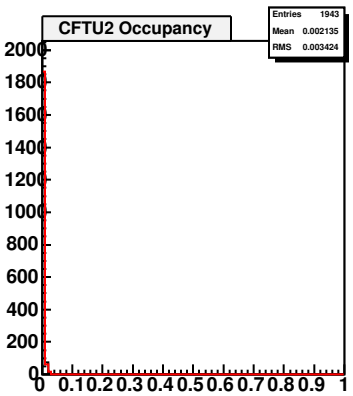


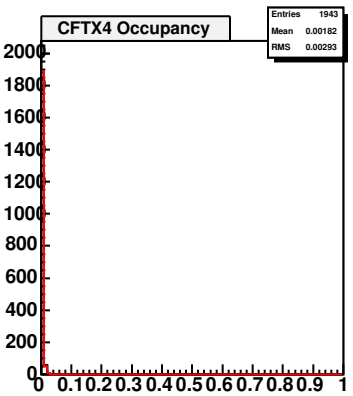


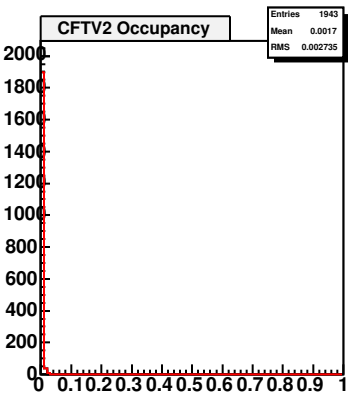


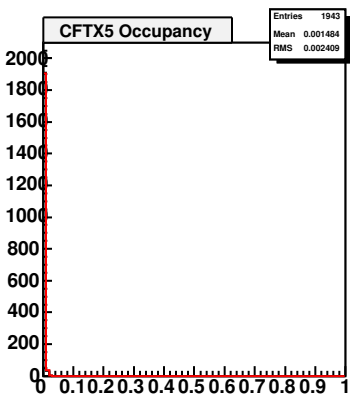


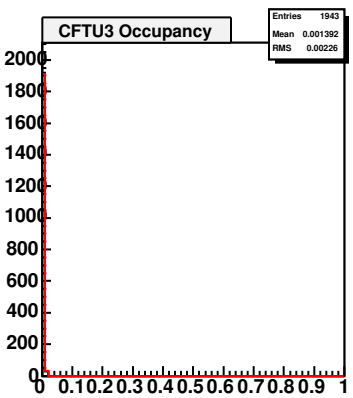


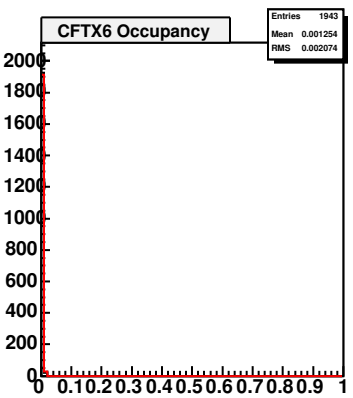


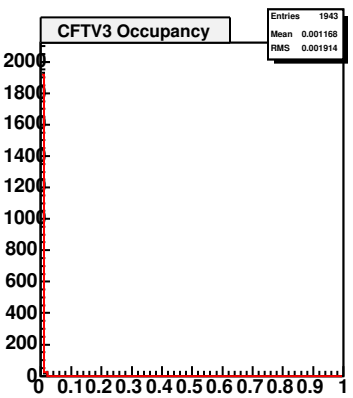


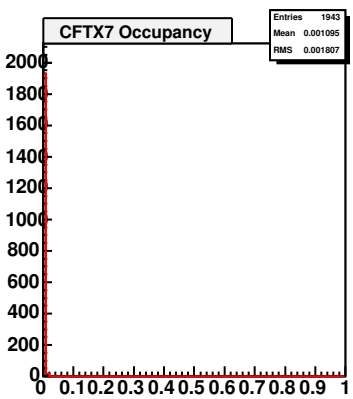


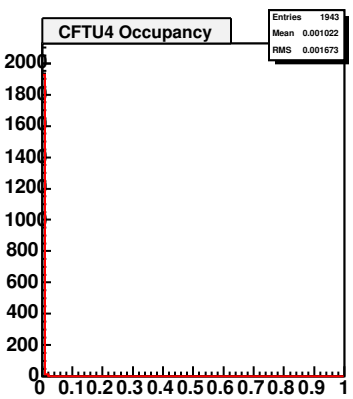


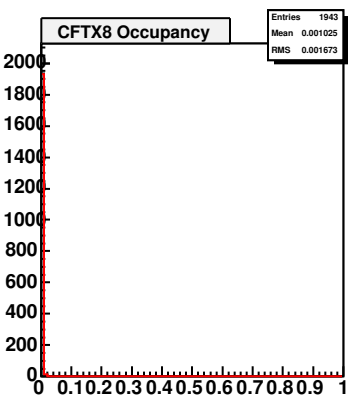


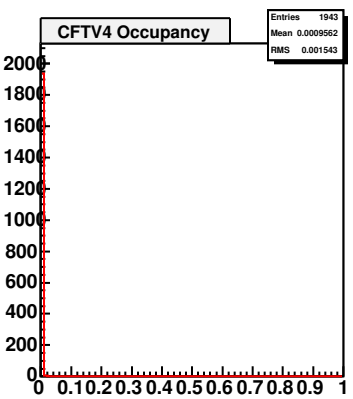




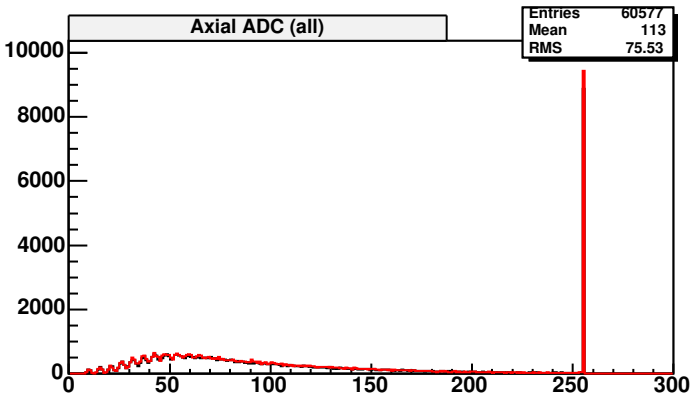


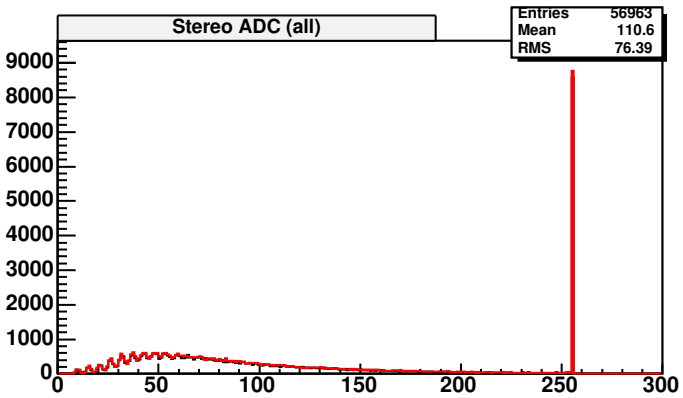


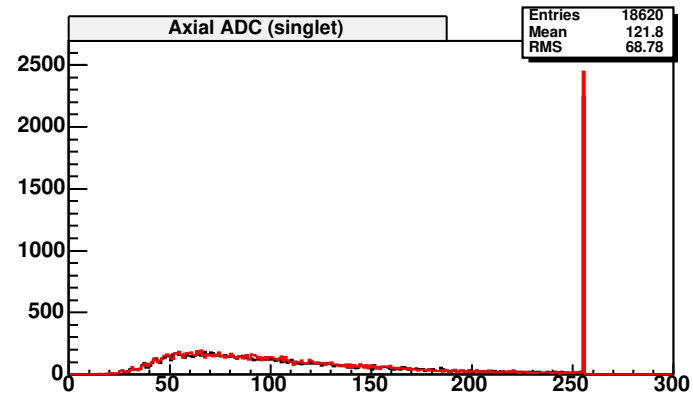


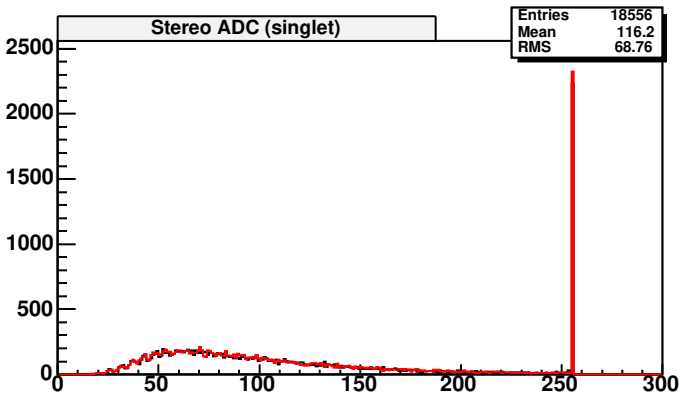


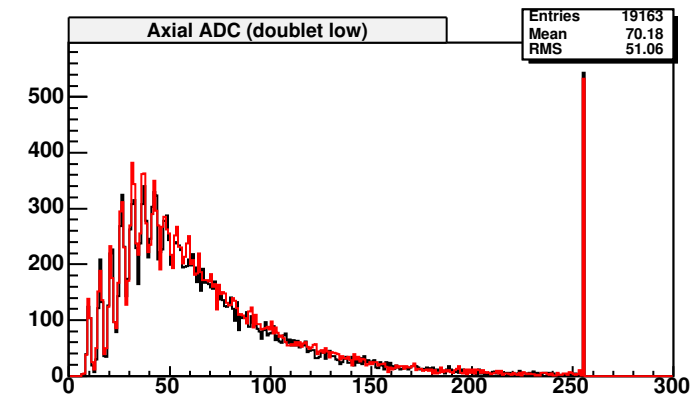
Cft Occupancy (Clusters on tracks)

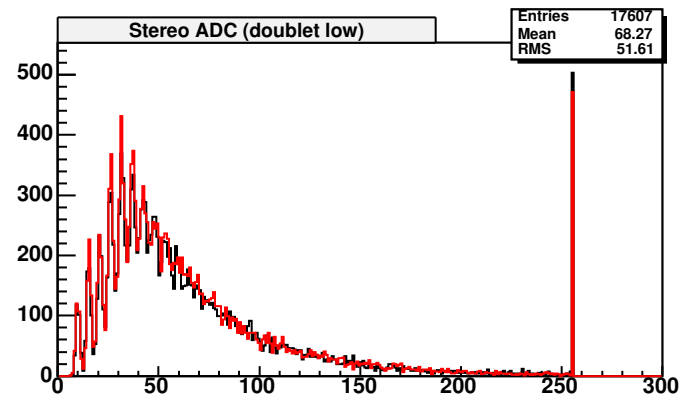


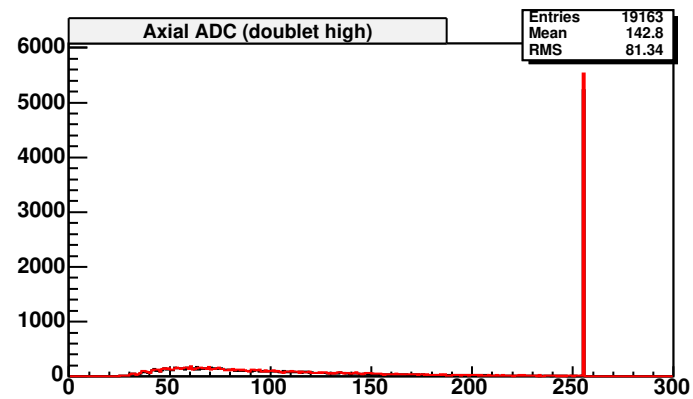


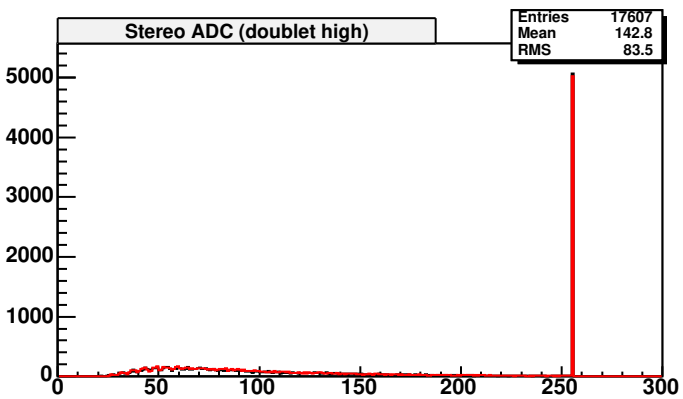




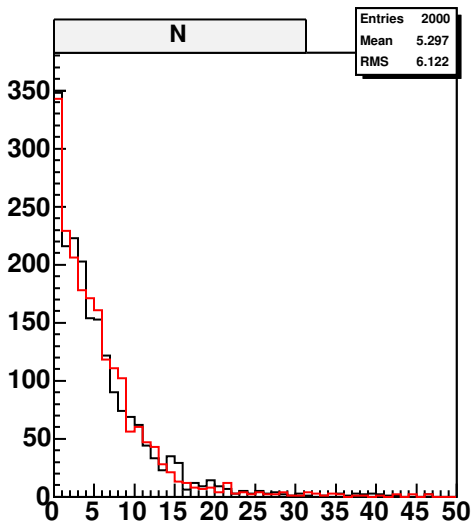


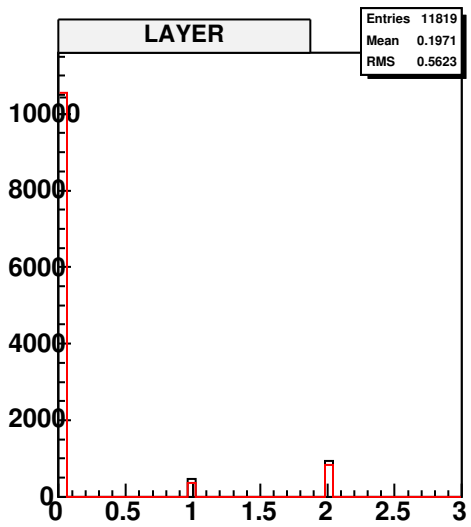


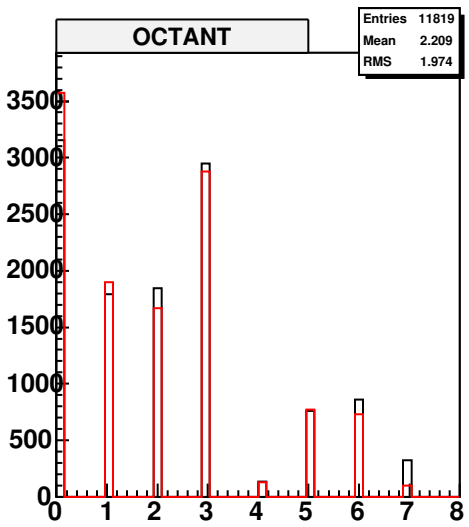


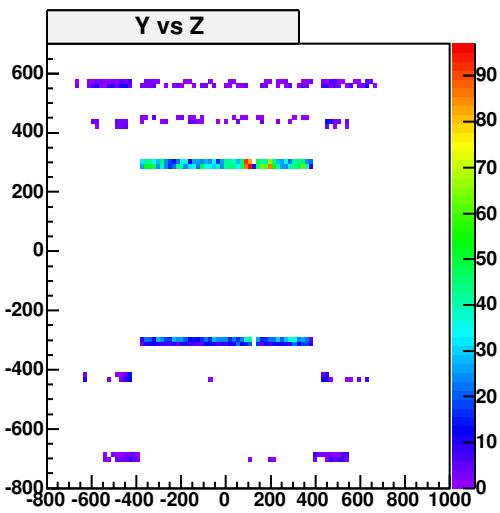


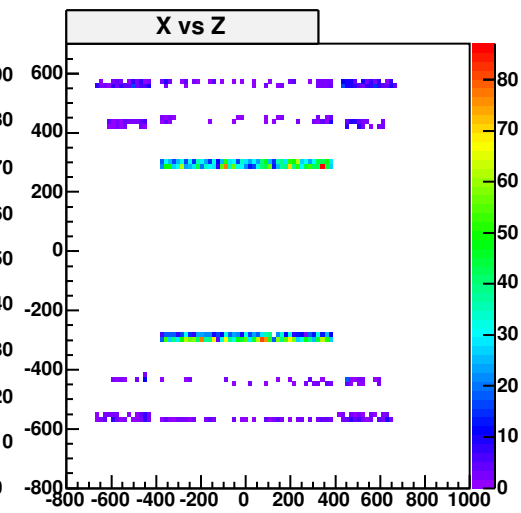
CFT ADC Summary (Clusters on tracks)

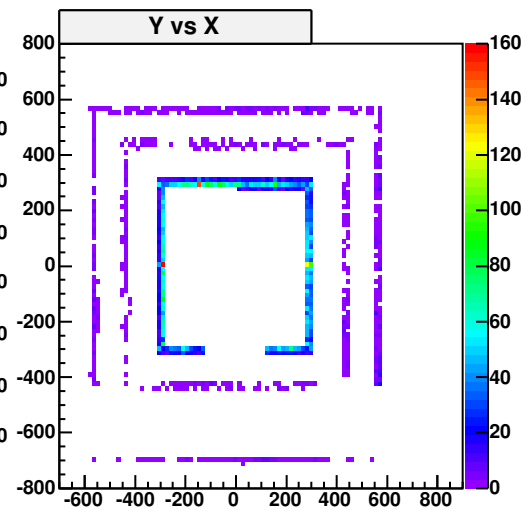

N
Entries 2000
Mean 5.297
RMS 6.122

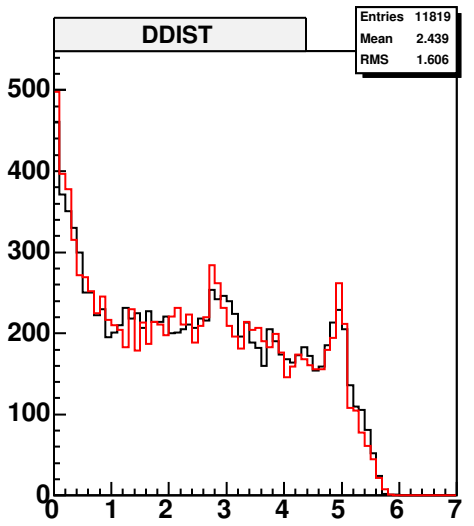

LAYER
Entries 11819
Mean 0.1971
RMS 0.5623

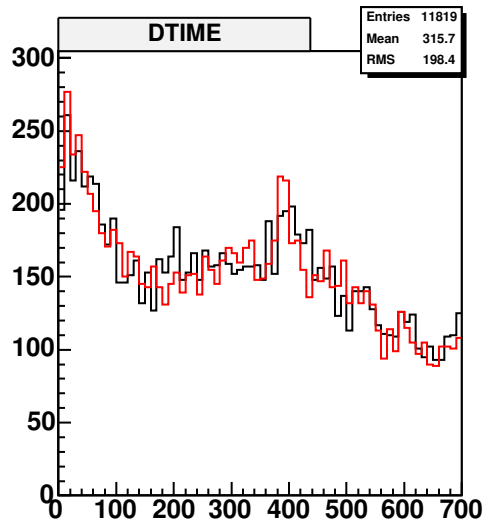

OCTANT
Entries 11819
Mean 2.209
RMS 1.974


Y vs Z

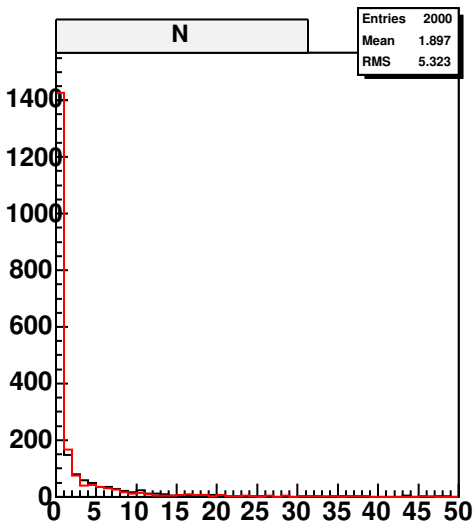

X vs Z

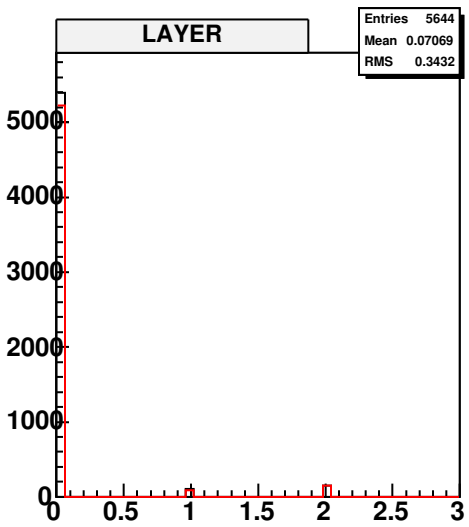

Y vs X

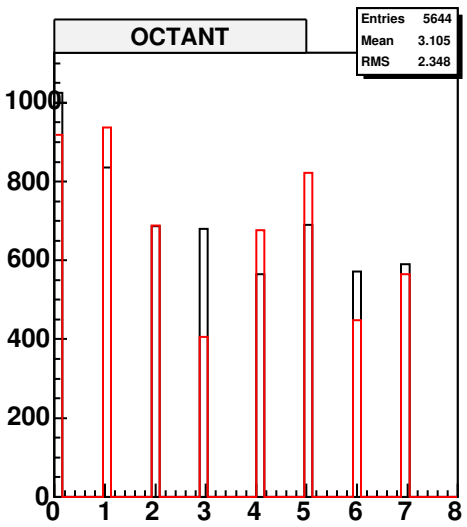

DDIST
Entries 11819
Mean 2.439
RMS 1.606

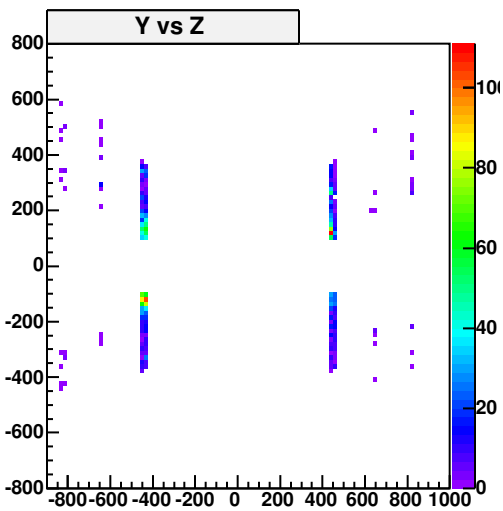

DTIME
Entries 11819
Mean 315.7
RMS 198.4

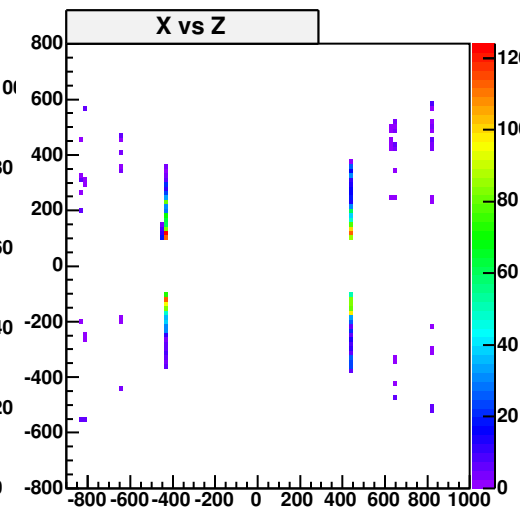
MuonPDT (All)

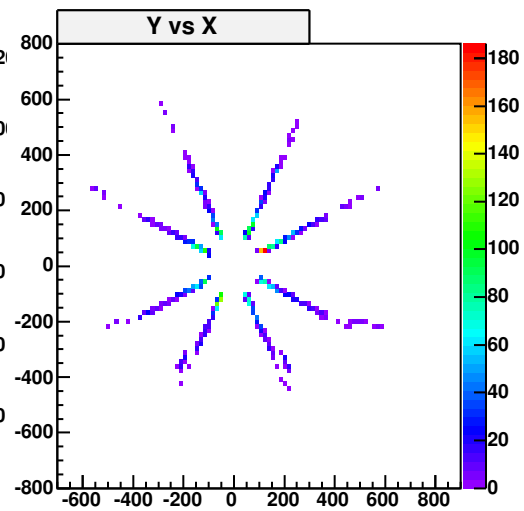

N
Entries 2000
Mean 1.897
RMS 5.323

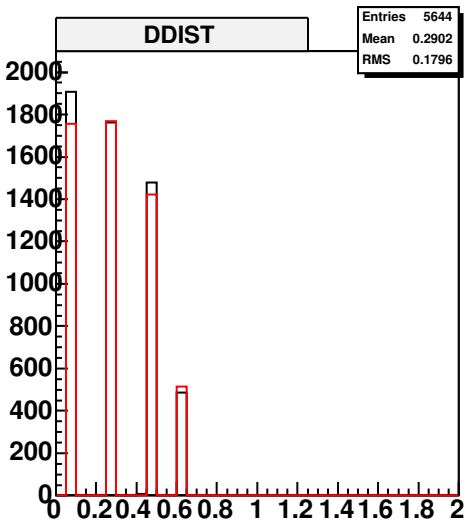

LAYER
Entries 5644
Mean 0.07069
RMS 0.3432

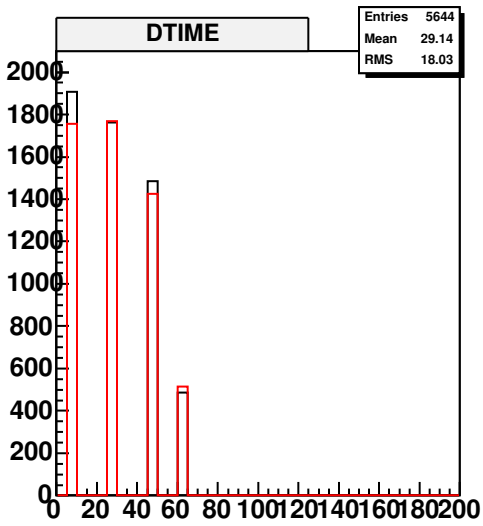

OCTANT
Entries 5644
Mean 3.105
RMS 2.348


Y vs Z

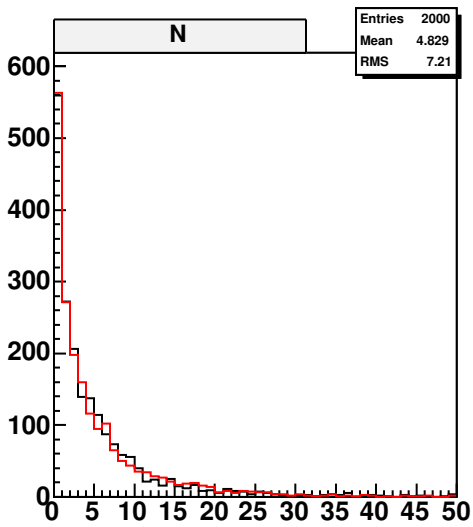

X vs Z

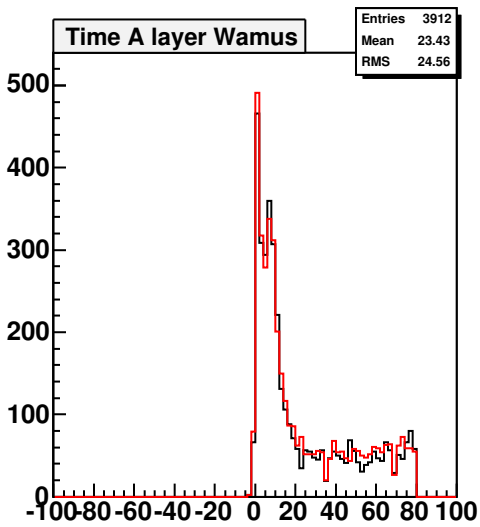

Y vs X

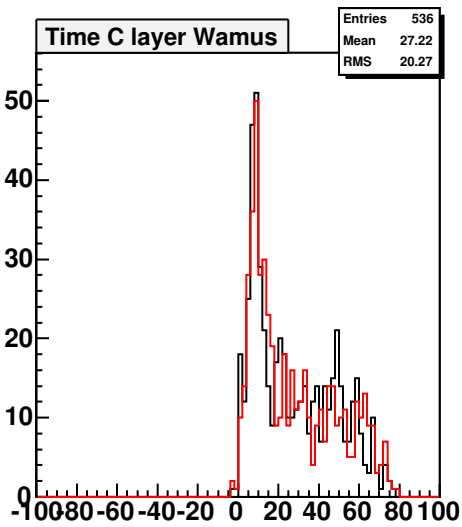

DDIST
Entries 5644
Mean 0.2902
RMS 0.1796

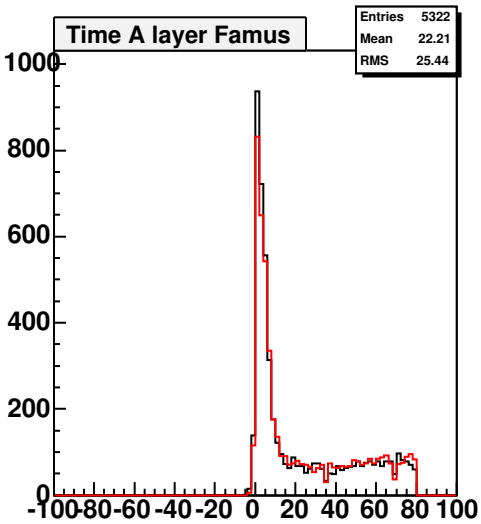

DTIME
Entries 5644
Mean 29.14
RMS 18.03

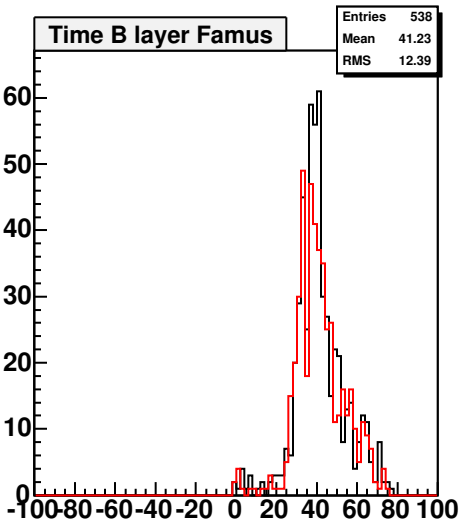
MuonMDT (All)

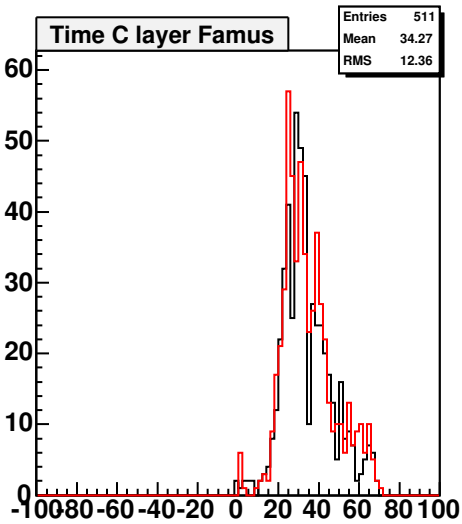

N
Entries 2000
Mean 4.829
RMS 7.21

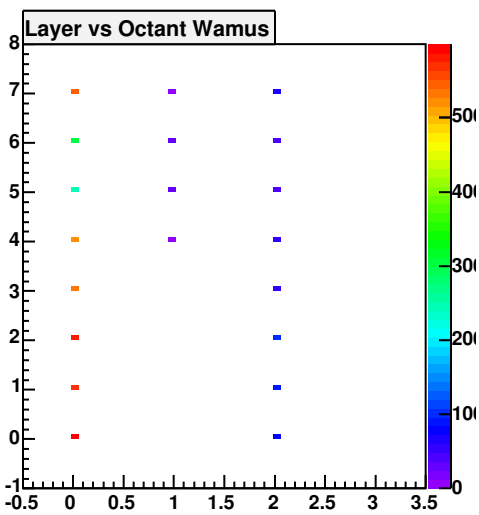

Time A layer Wamus
Entries 3912
Mean 23.43
RMS 24.56

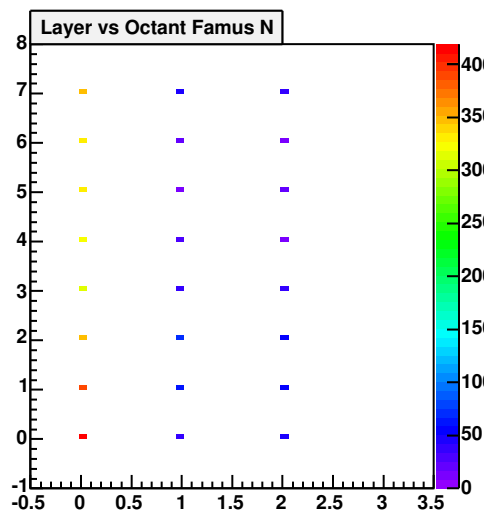

Time C layer Wamus
Entries 536
Mean 27.22
RMS 20.27

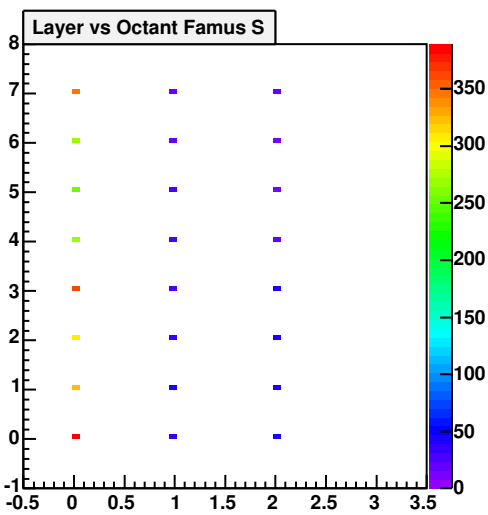

Time A layer Famus
Entries 5322
Mean 22.21
RMS 25.44


Time B layer Famus
Entries 538
Mean 41.23
RMS 12.39

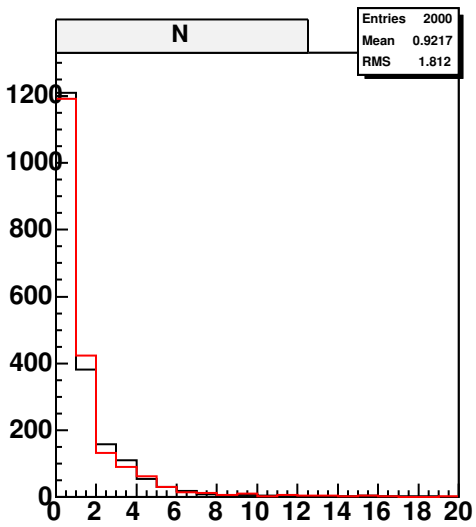

Time C layer Famus
Entries 511
Mean 34.27
RMS 12.36

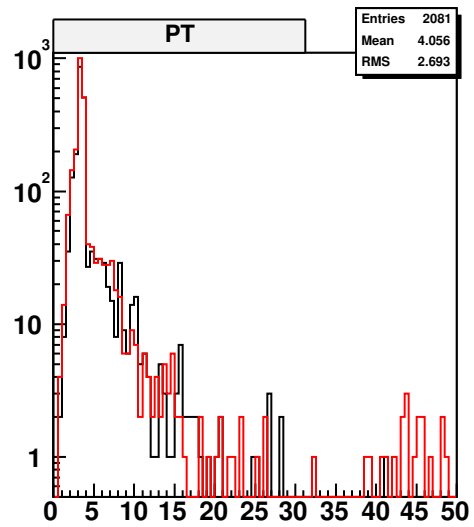

Layer vs Octant Wamus

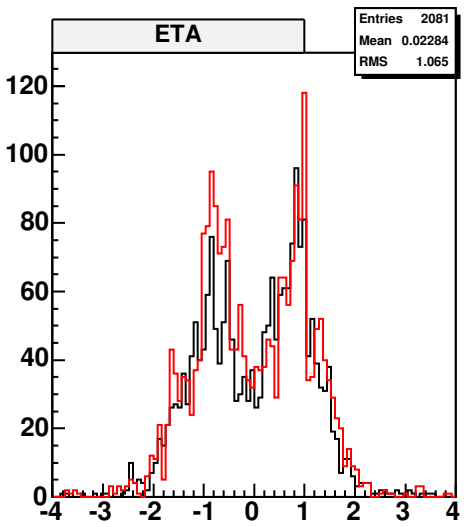

Layer vs Octant Famus N

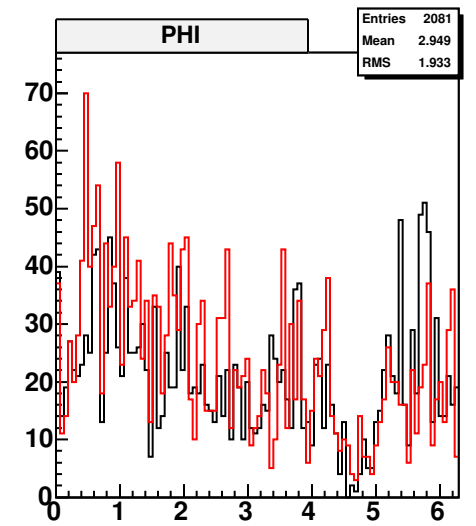

Layer vs Octant Famus S

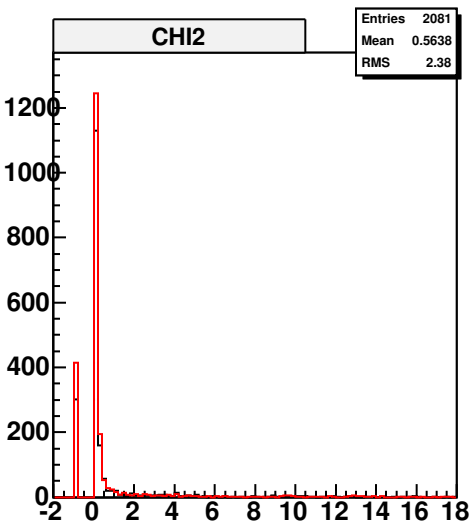
MuonMSC (All)

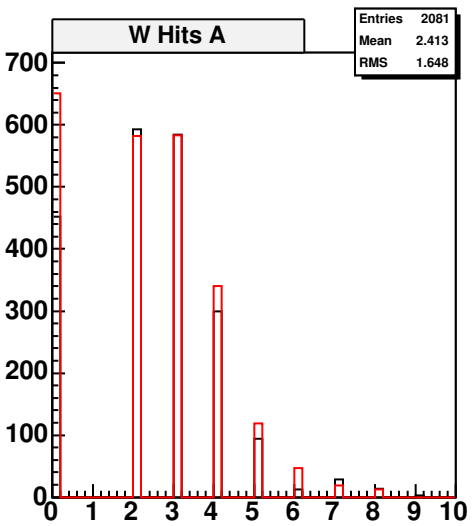


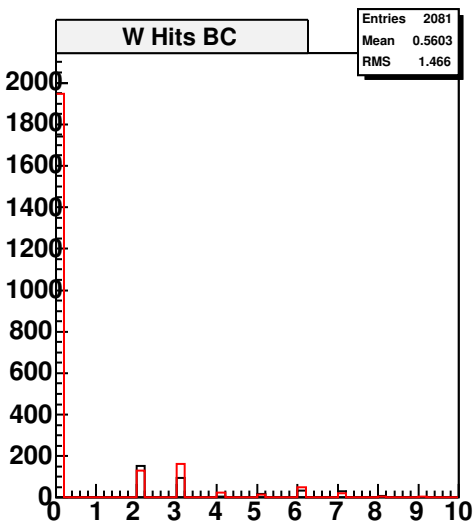


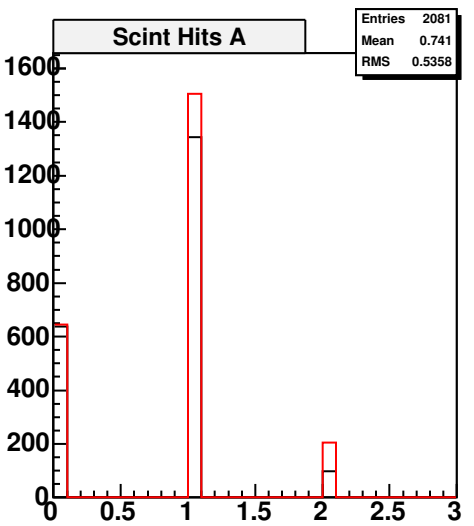


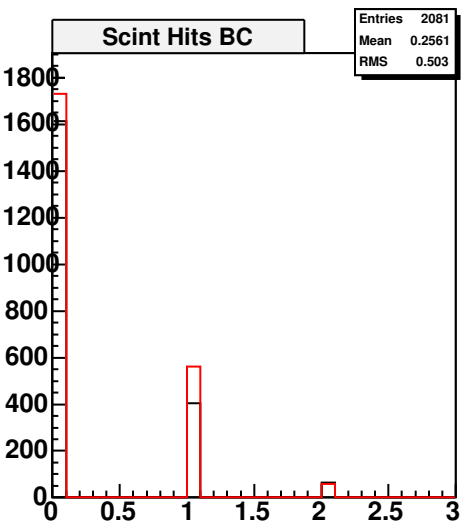




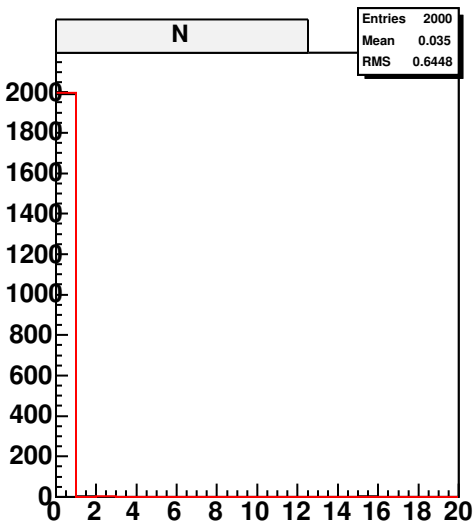


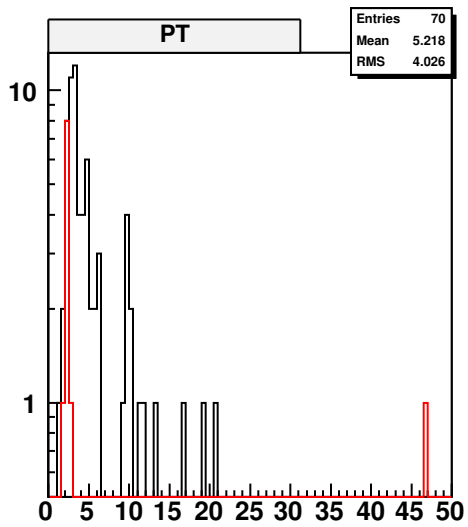


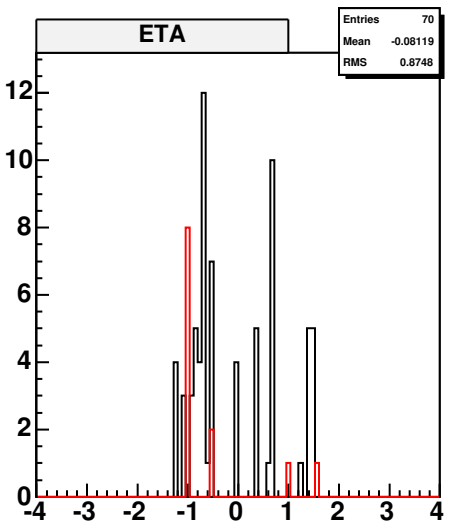


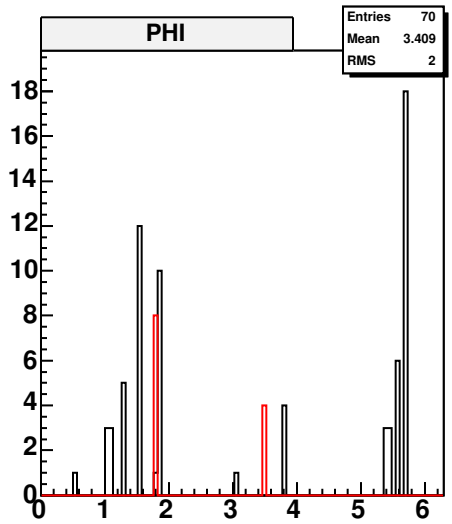


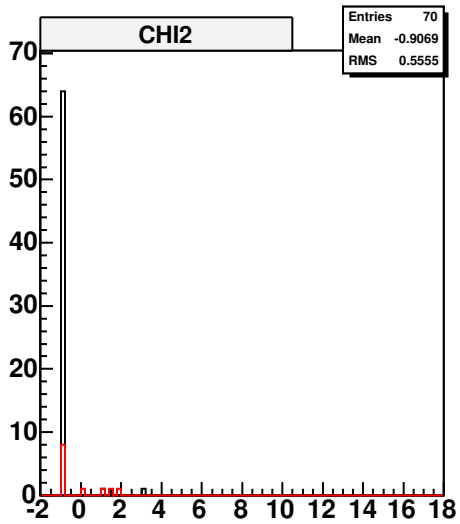
Muon Local Tracks (All)

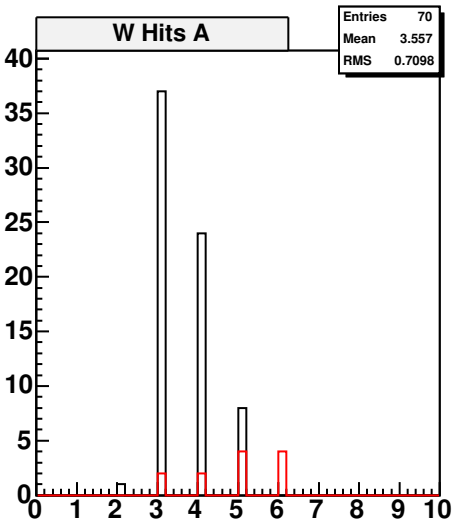


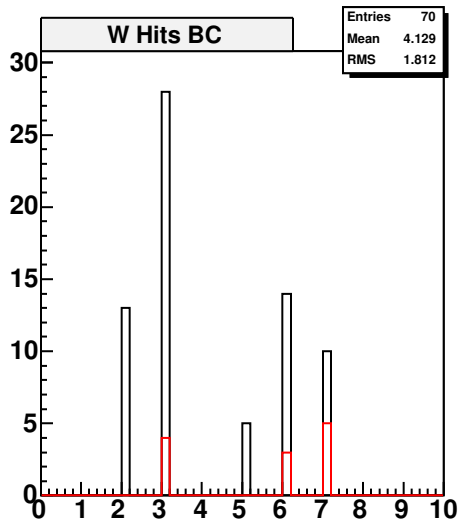


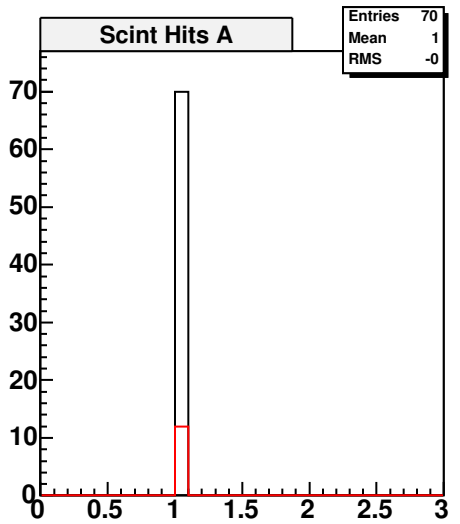


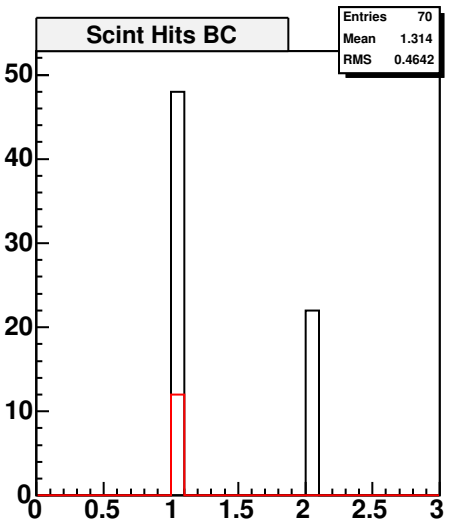




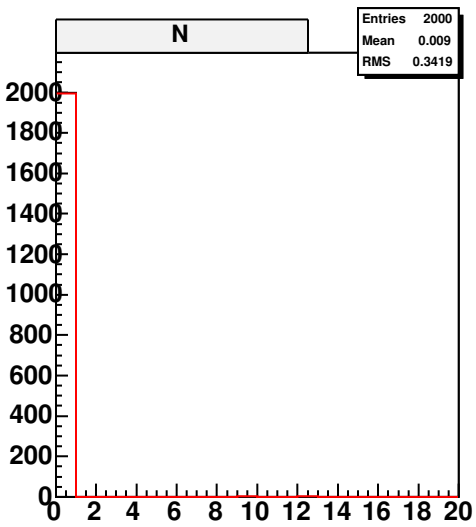


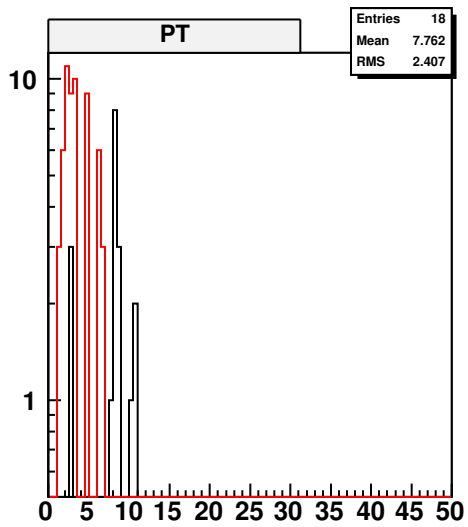


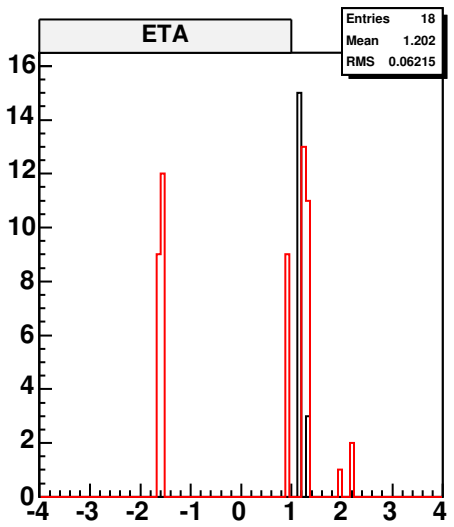


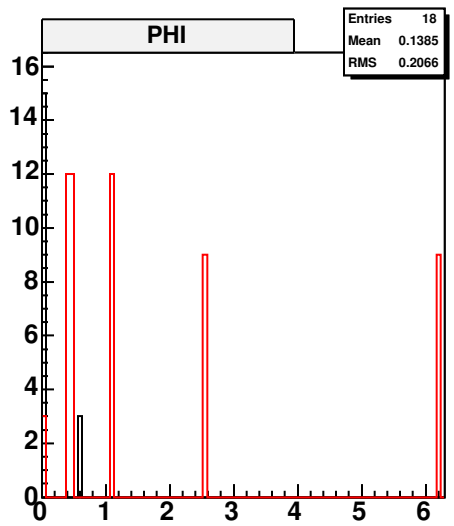


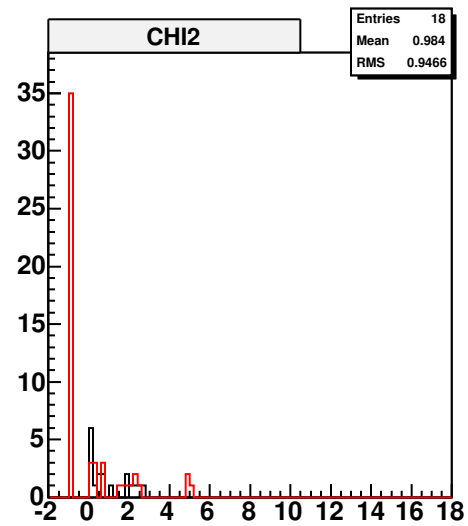
Muon Local Tracks (MediumWamus)

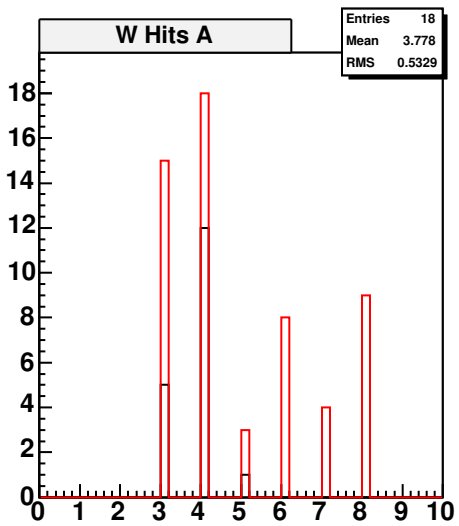


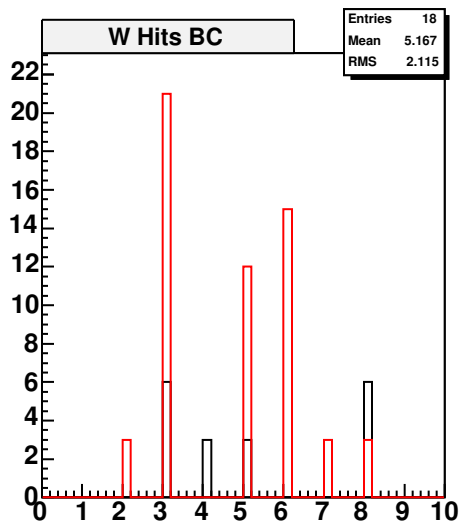


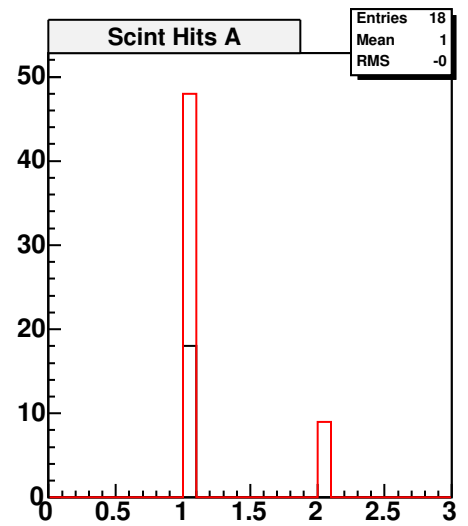


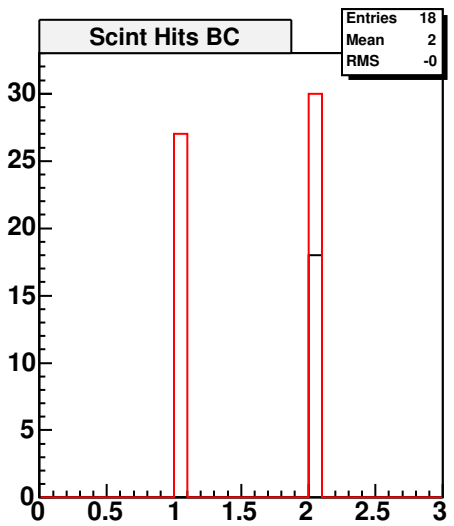




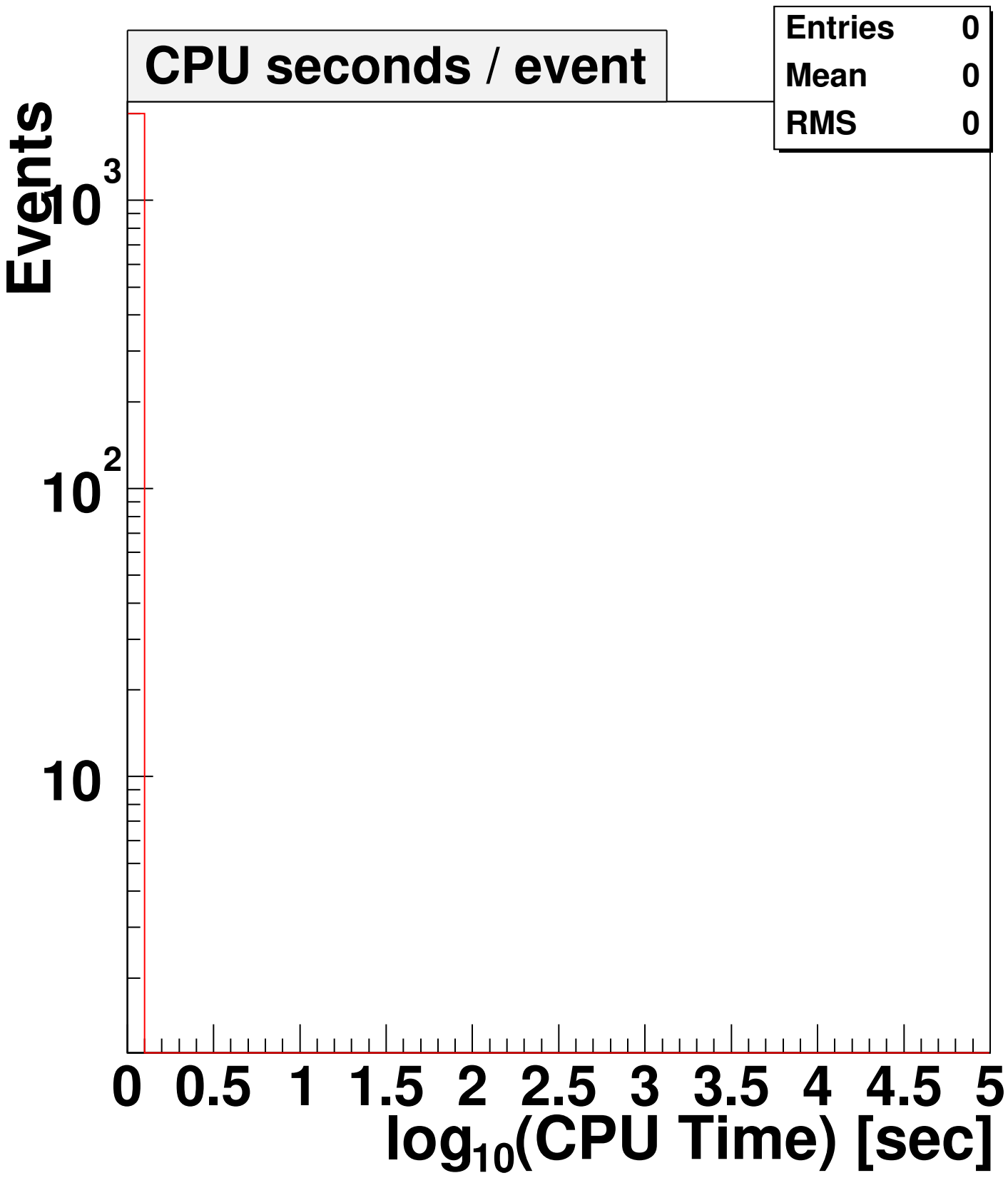








Muon Local Tracks (MediumFamus)



RECO Performance (Timing)