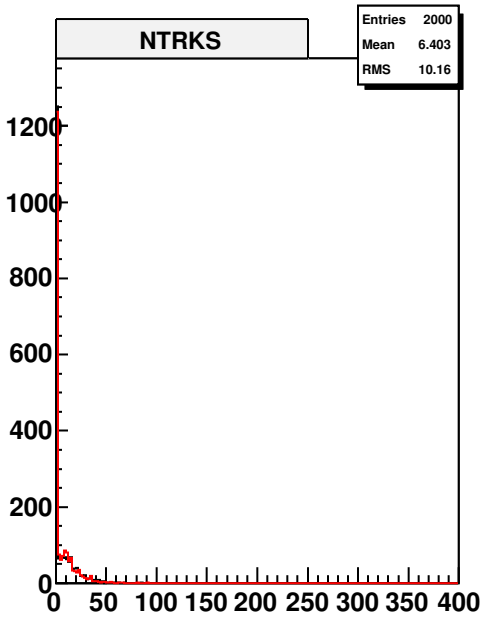
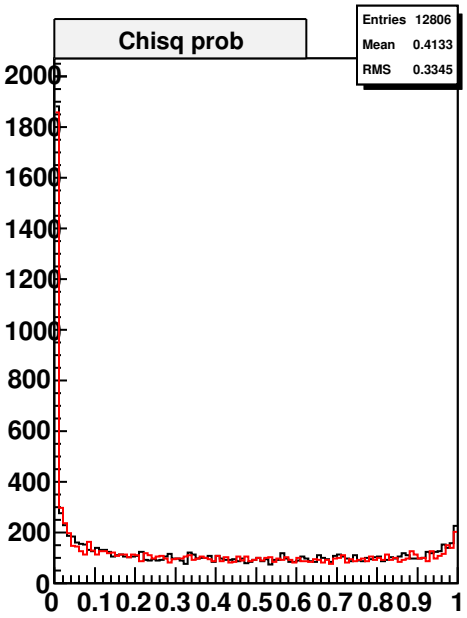
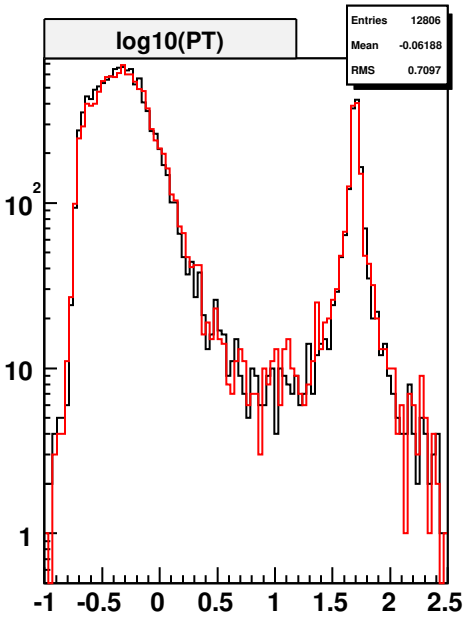
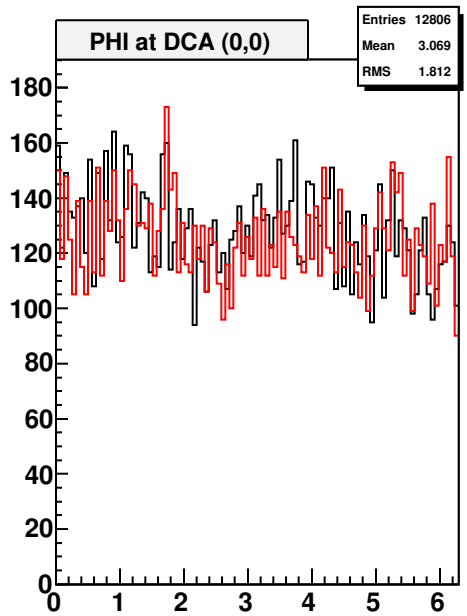
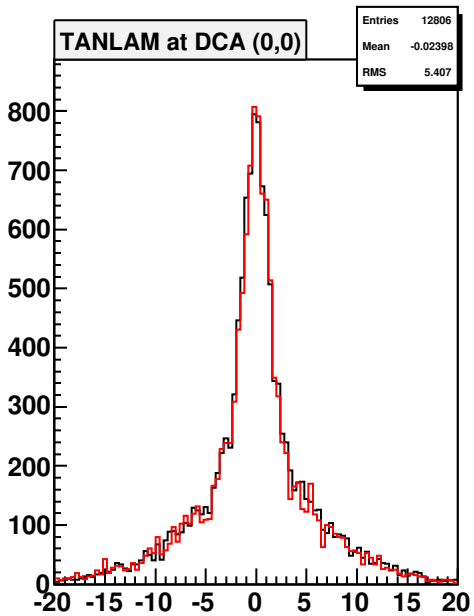
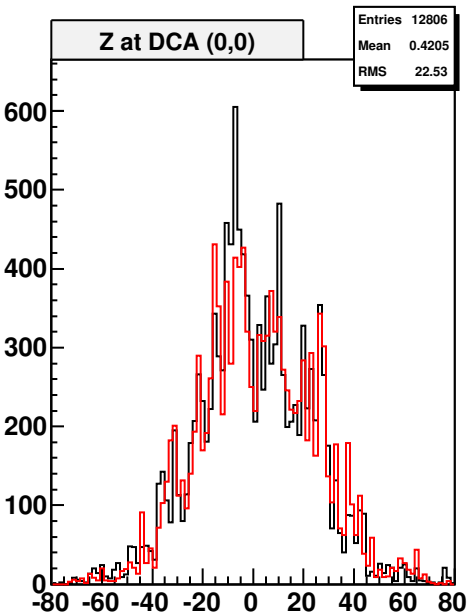

NTRKS
Entries 2000
Mean 6.403
RMS 10.16

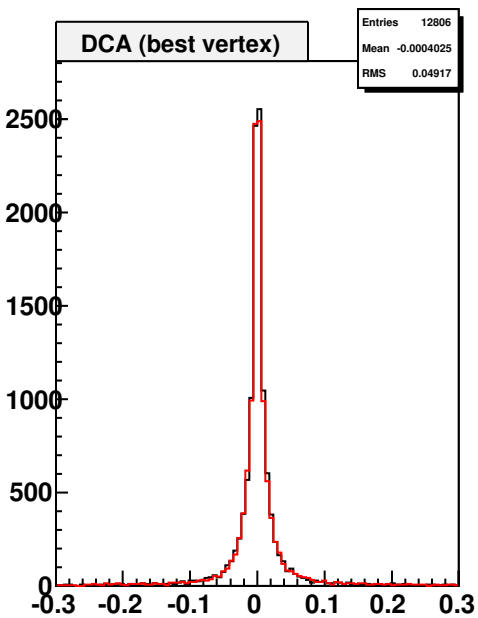

Chisq prob
Entries 12806
Mean 0.4133
RMS 0.3345

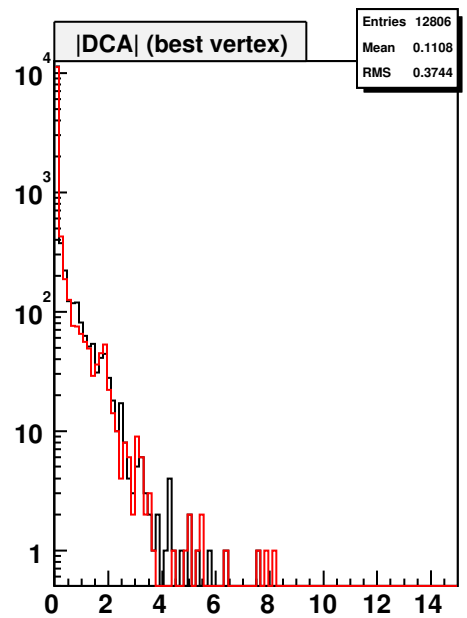

log10(PT)
Entries 12806
Mean -0.06188
RMS 0.7097

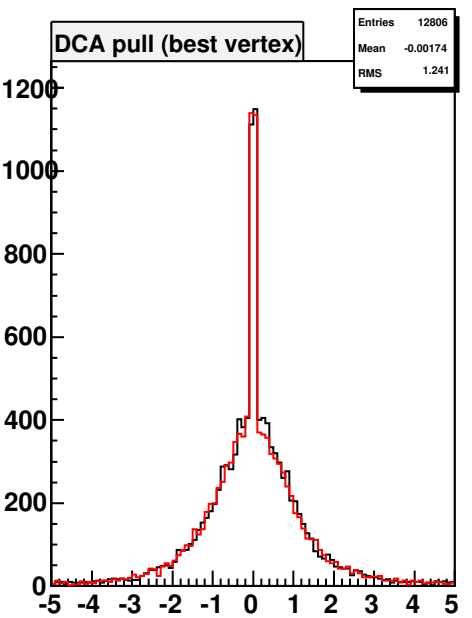

PHI at DCA (0,0)
Entries 12806
Mean 3.069
RMS 1.812


TANLAM at DCA (0,0)
Entries 12806
Mean -0.02398
RMS 5.407

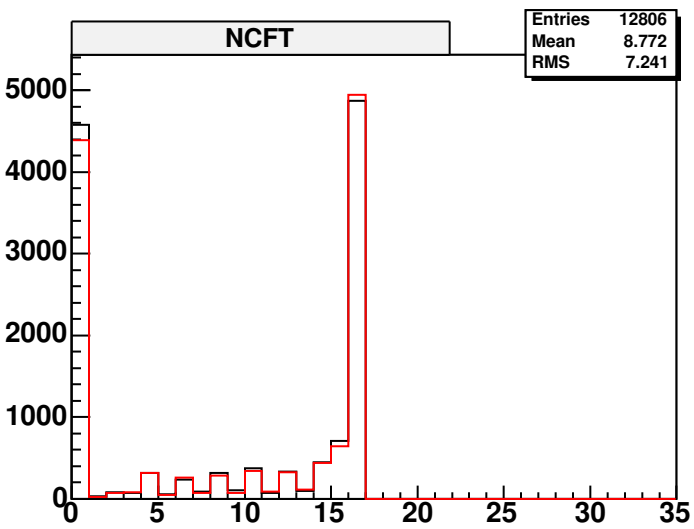

Z at DCA (0,0)
Entries 12806
Mean 0.4205
RMS 22.53

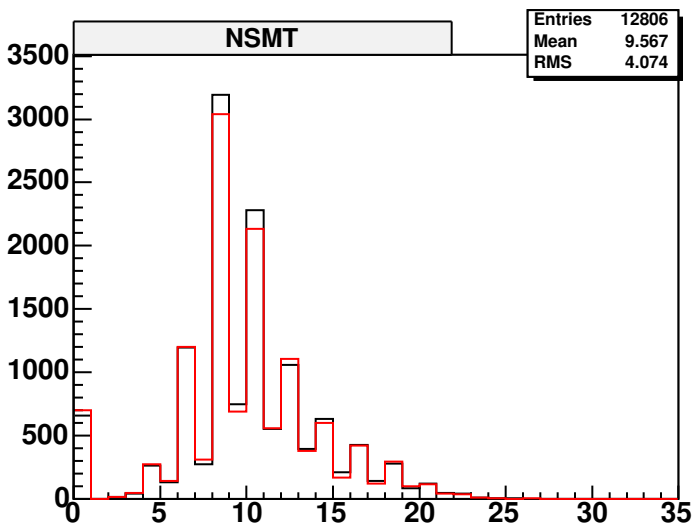

DCA (best vertex)
Entries 12806
Mean -0.0004025
RMS 0.04917

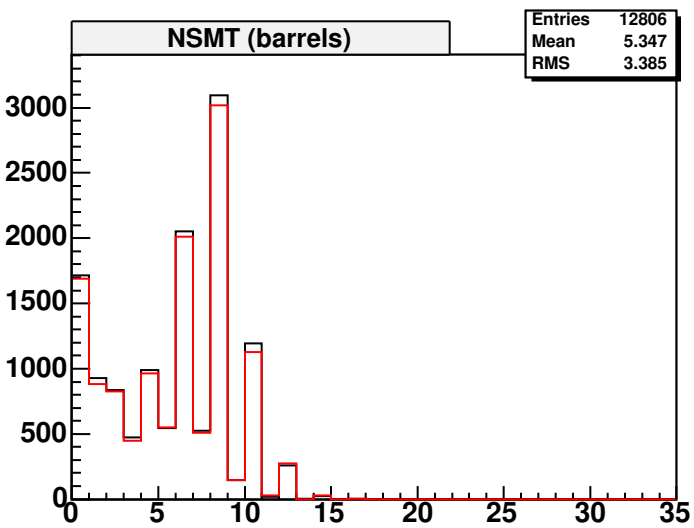

|DCA| (best vertex)
Entries 12806
Mean 0.1108
RMS 0.3744

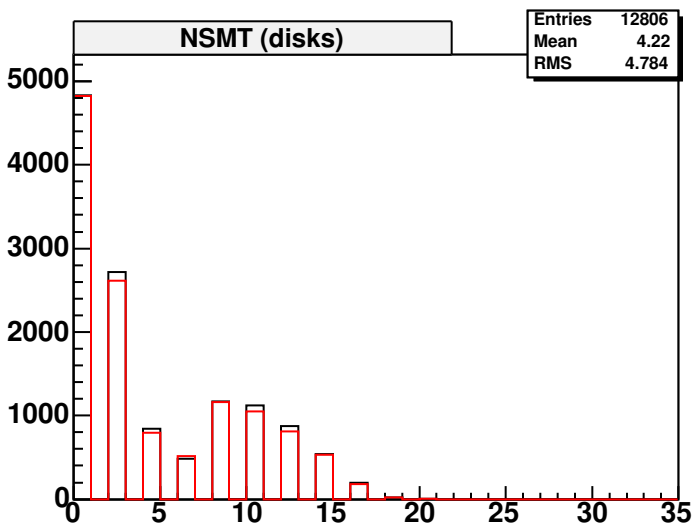

DCA pull (best vertex)
Entries 12806
Mean -0.00174
RMS 1.241

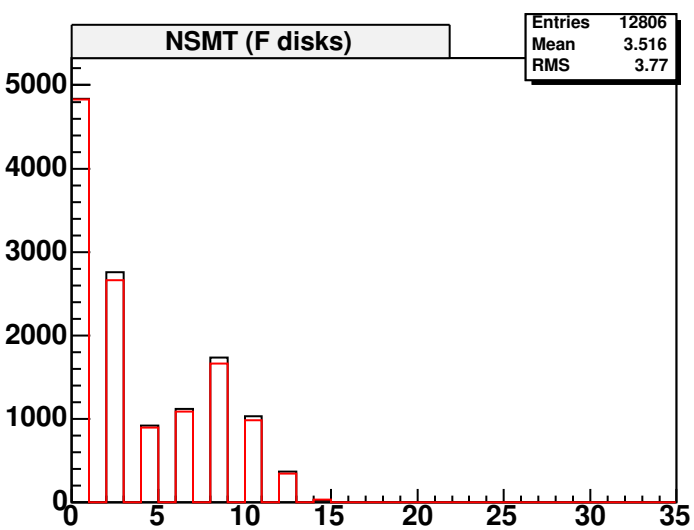
Tracks (All)

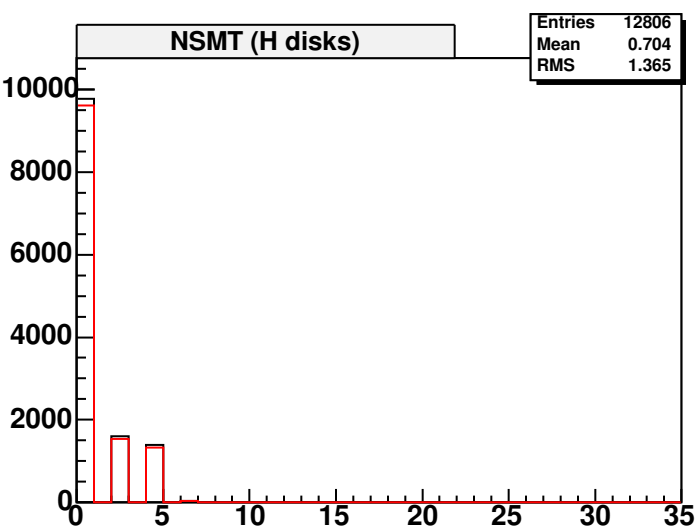




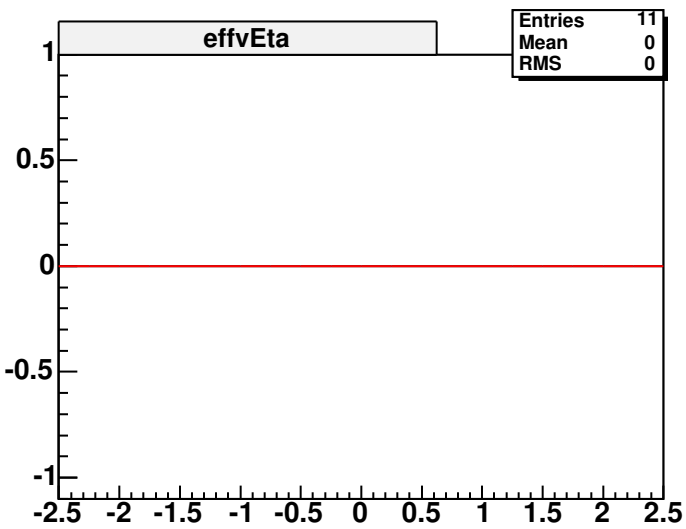


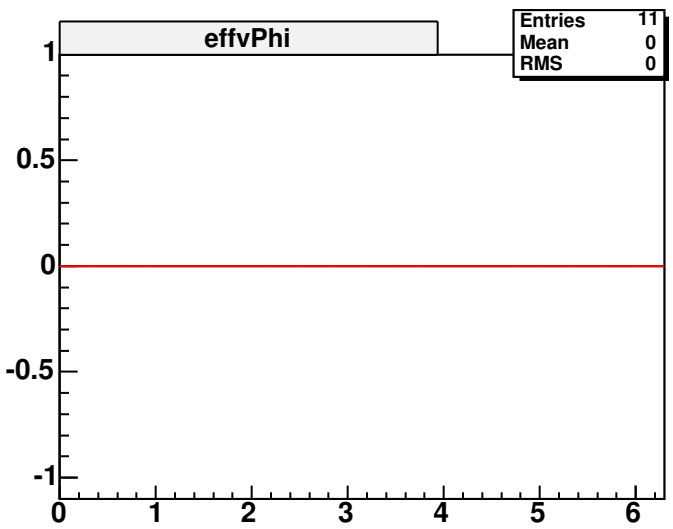


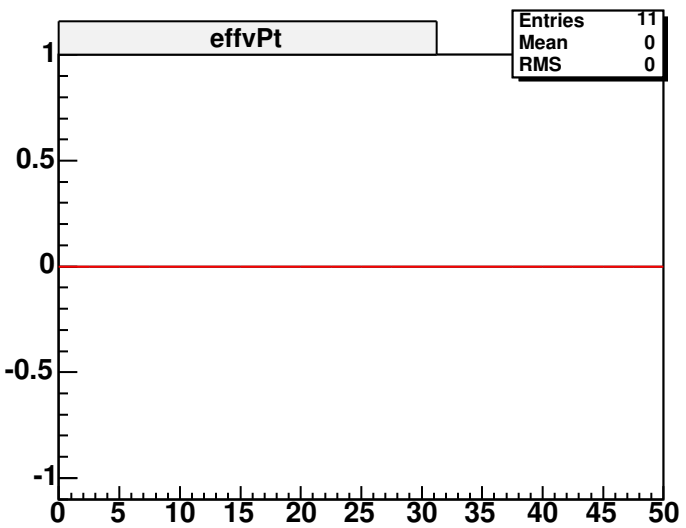


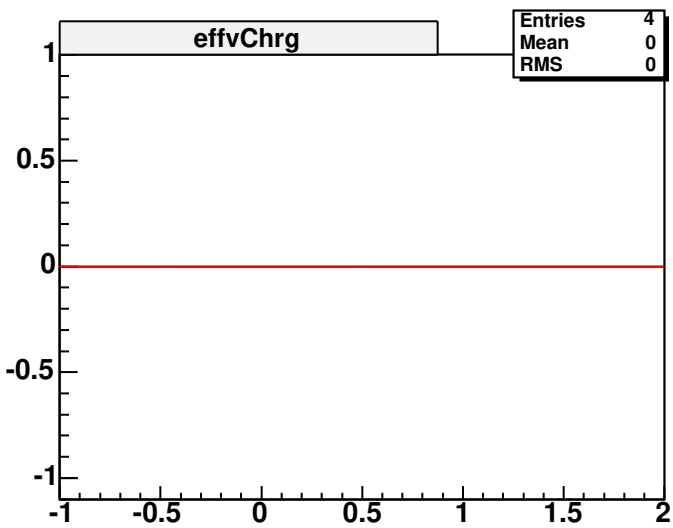


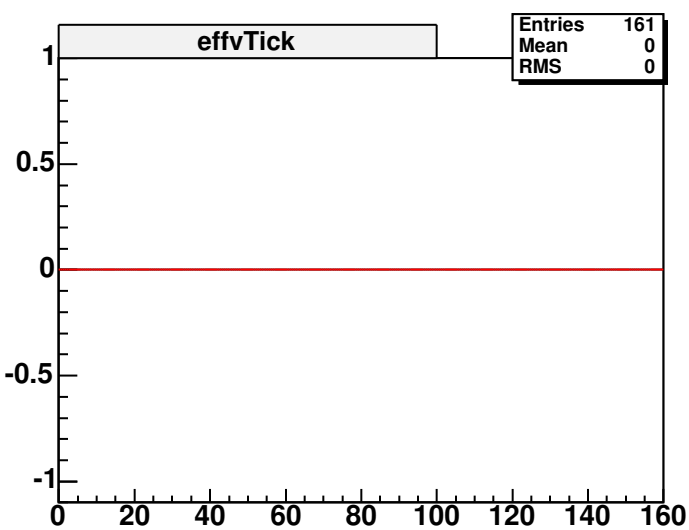
Track Hits (All)

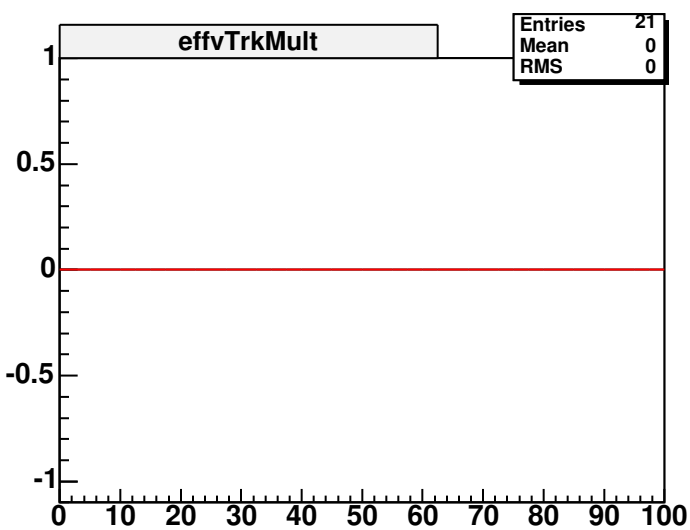




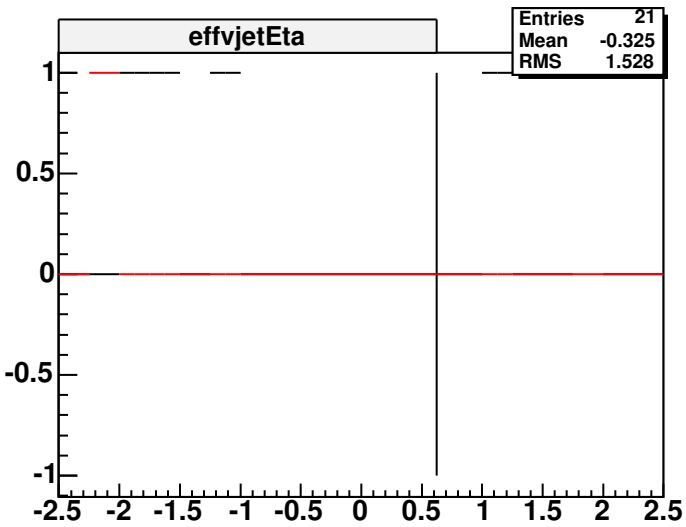


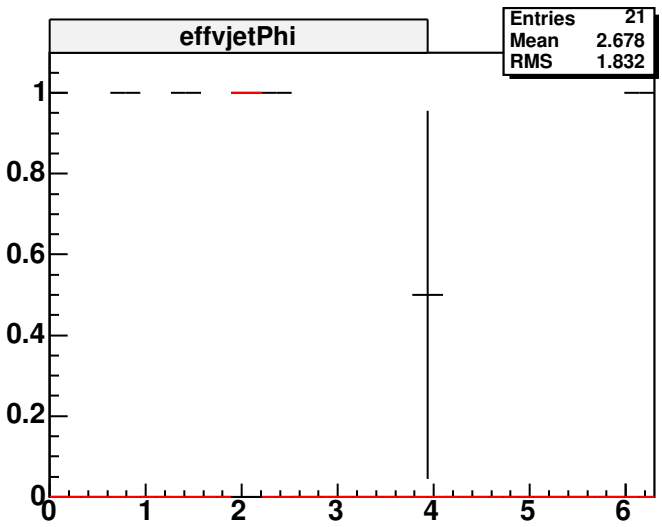


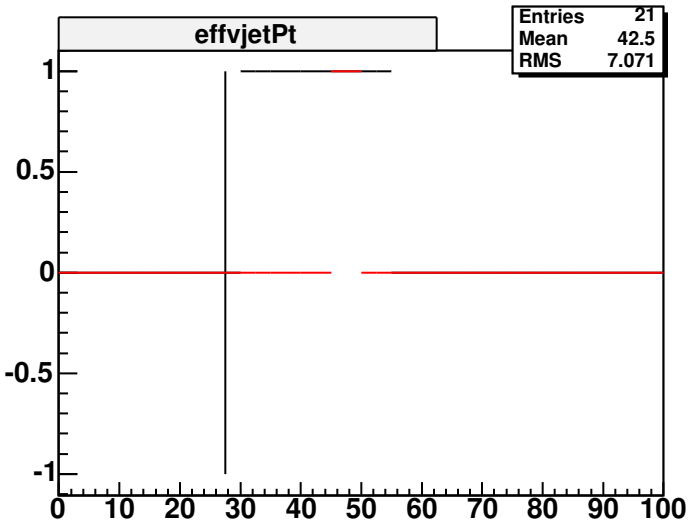




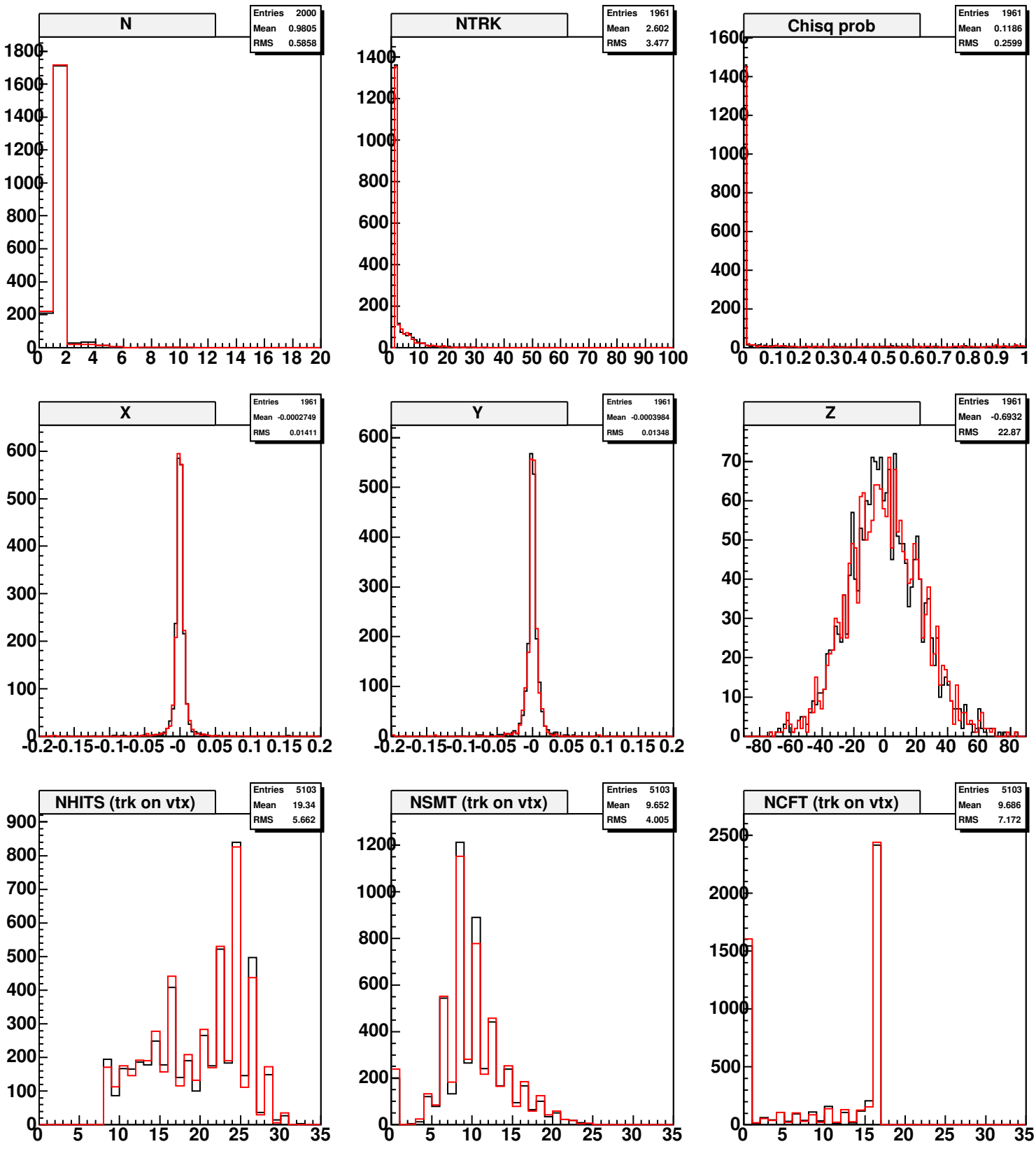
Tracking (Efficiency-Isolated)



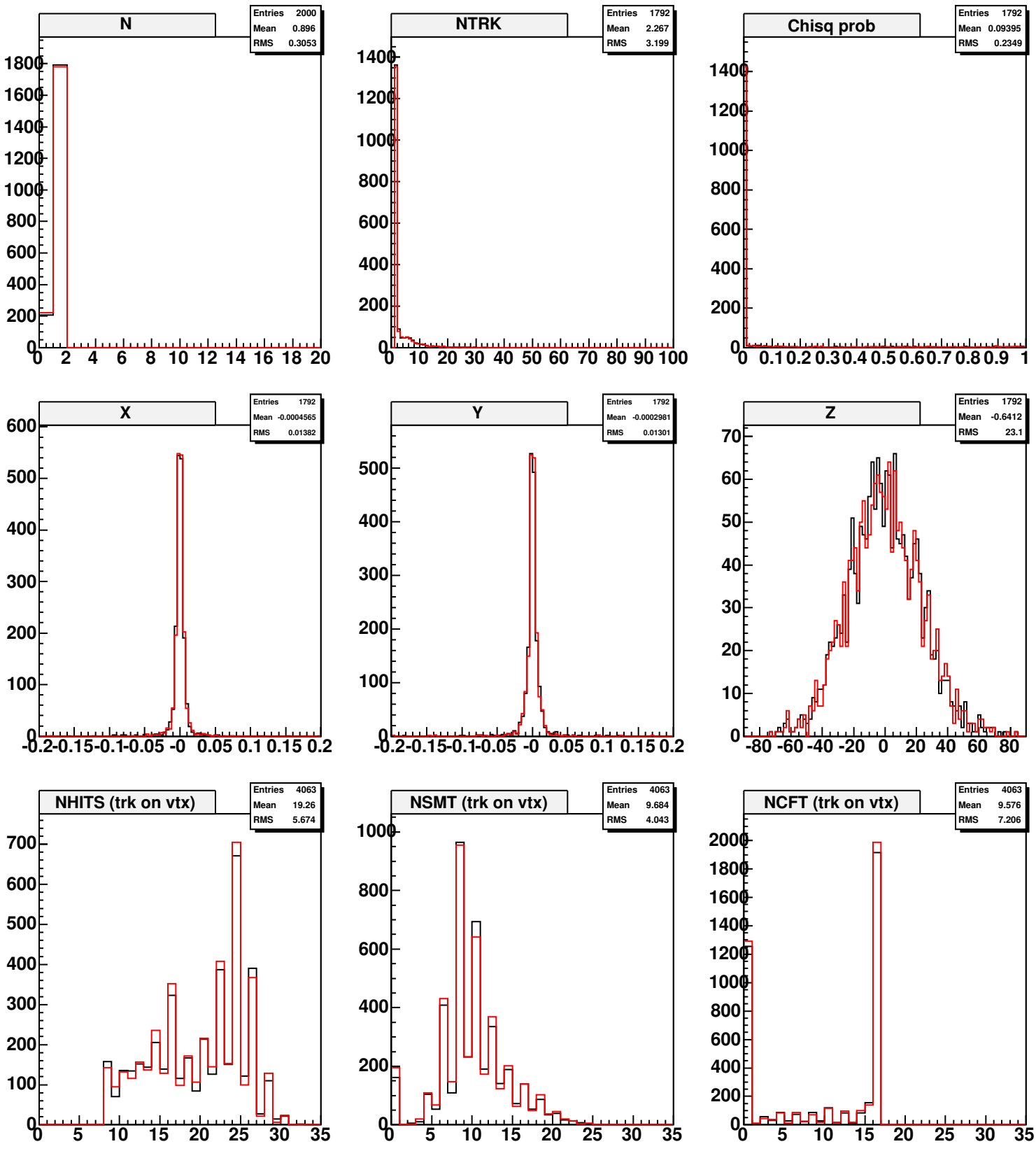




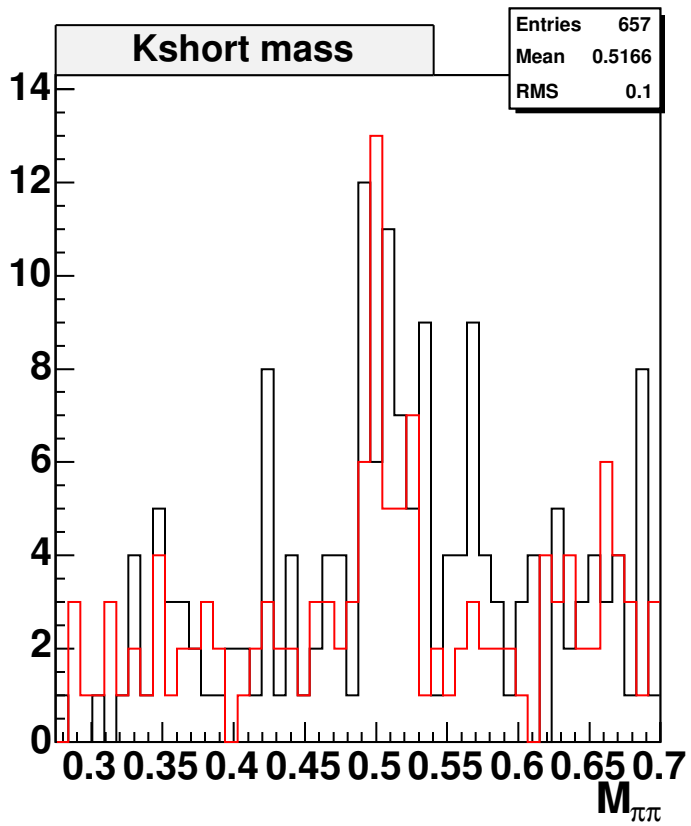
Tracking (Efficiency-InJets)

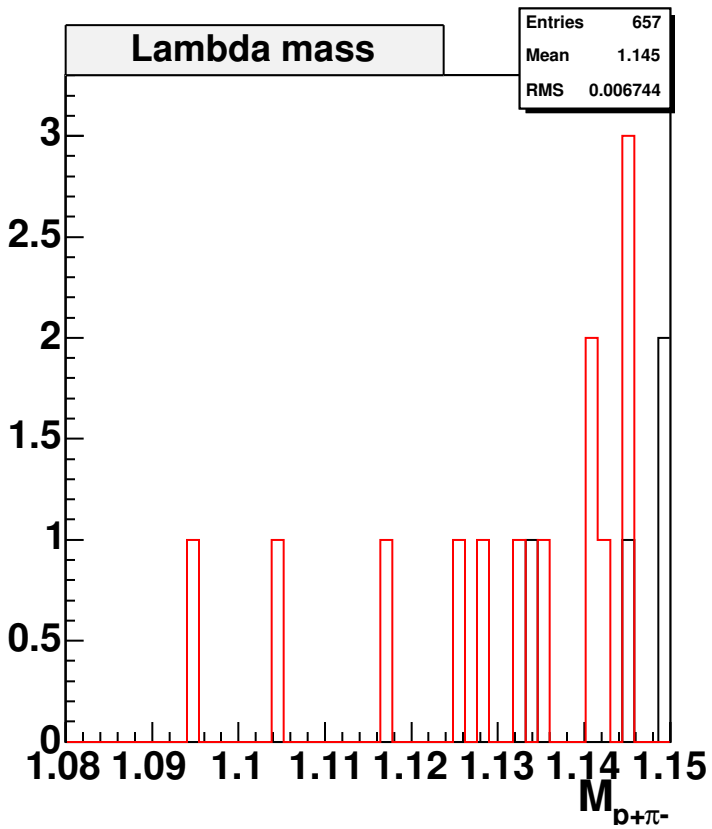


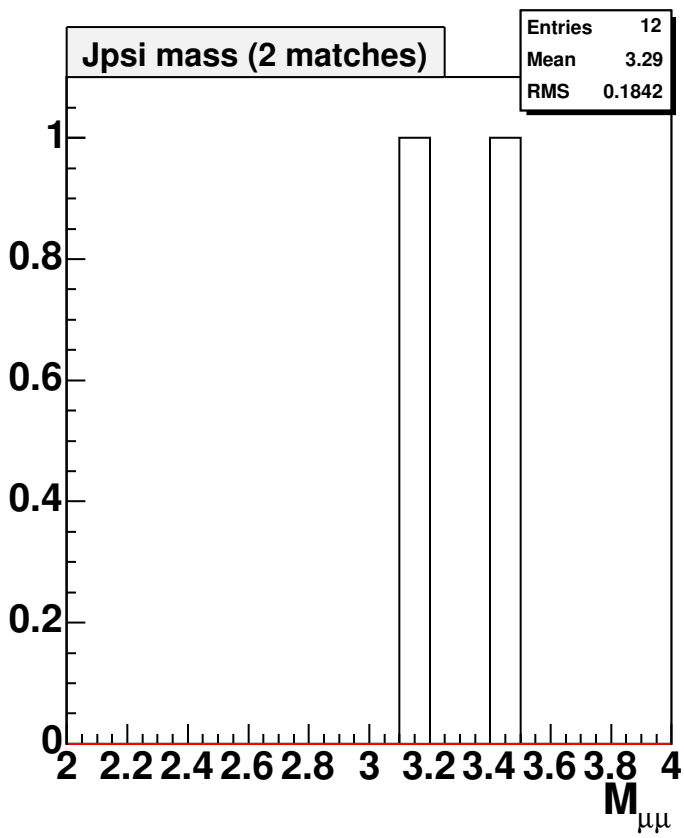
Vertices (Primary - all candidates)

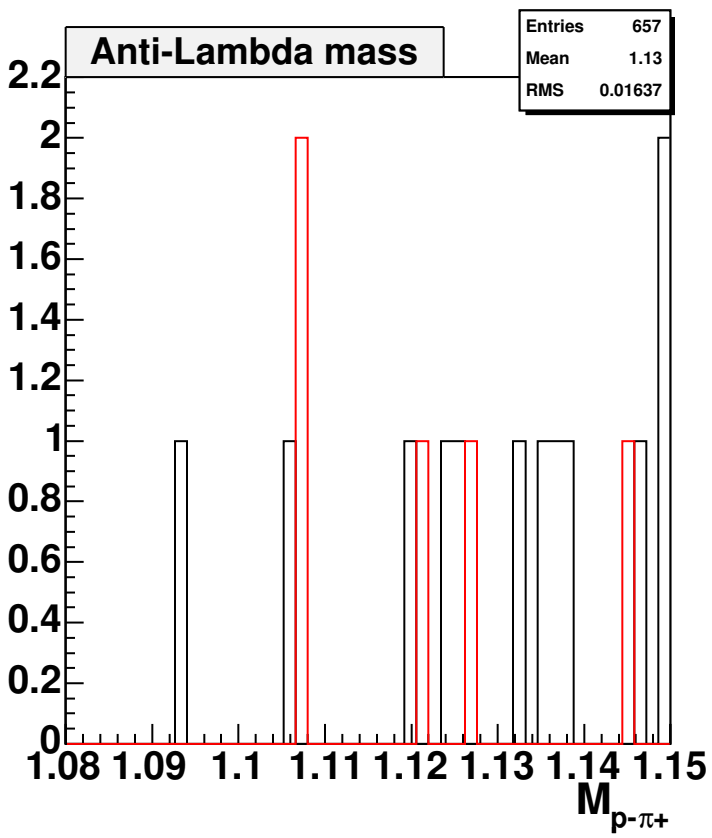


Vertices (Primary - best)

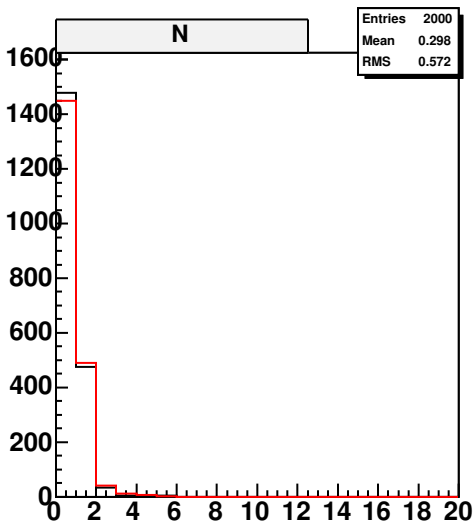

Kshort mass
Entries 657
Mean 0.5166
RMS 0.1
$M_{\pi\pi}$

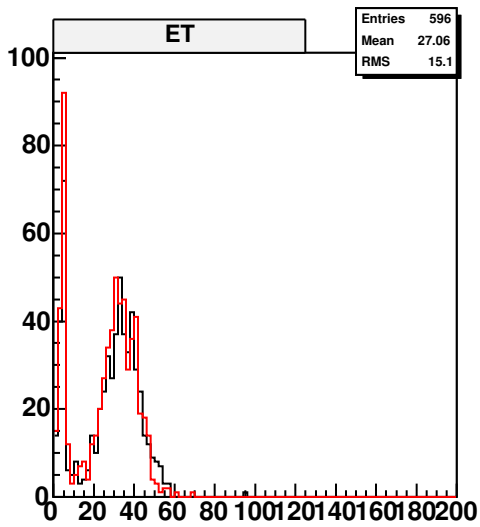

Lambda mass
Entries 657
Mean 1.145
RMS 0.006744
$M_{p+\pi-}$

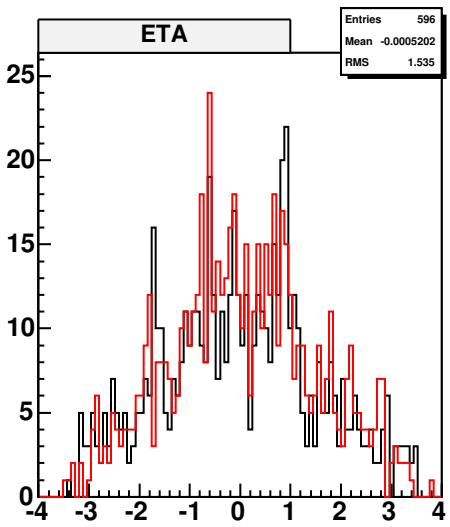

Jpsi mass (2 matches)
Entries 12
Mean 3.29
RMS 0.1842
$M_{\mu\mu}$

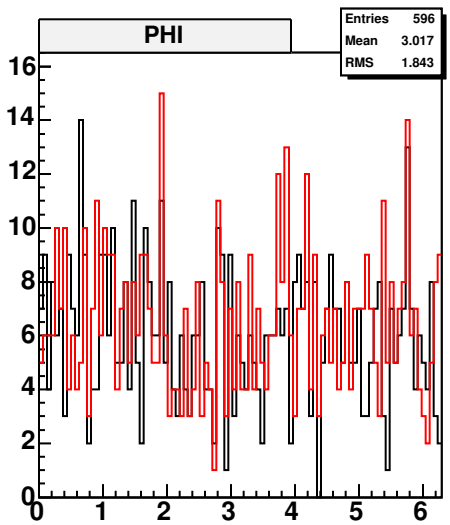

Anti-Lambda mass
Entries 657
Mean 1.13
RMS 0.01637
$M_{p-\pi+}$

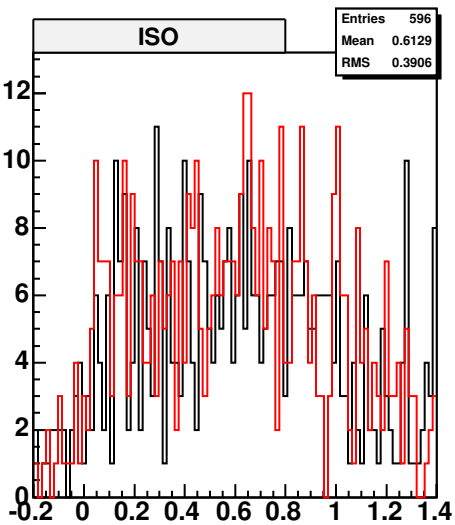
V0 (All)

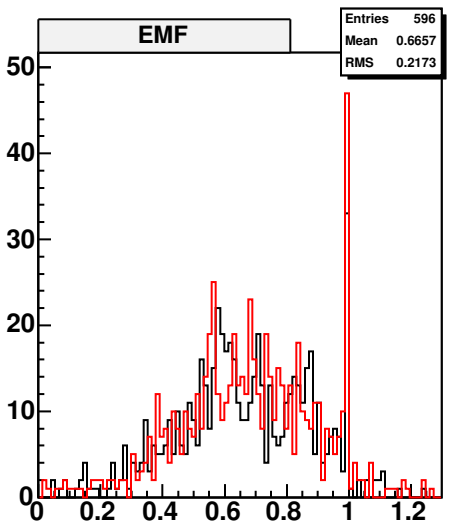


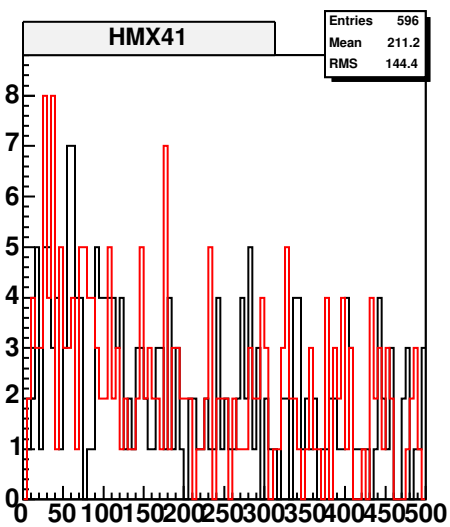


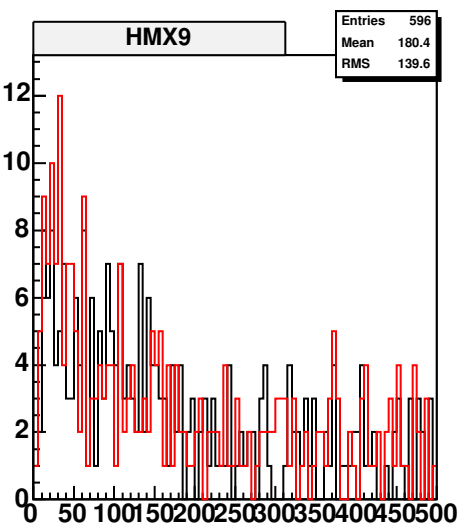


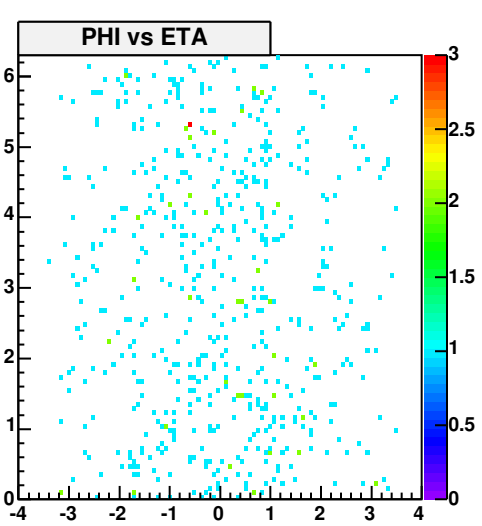




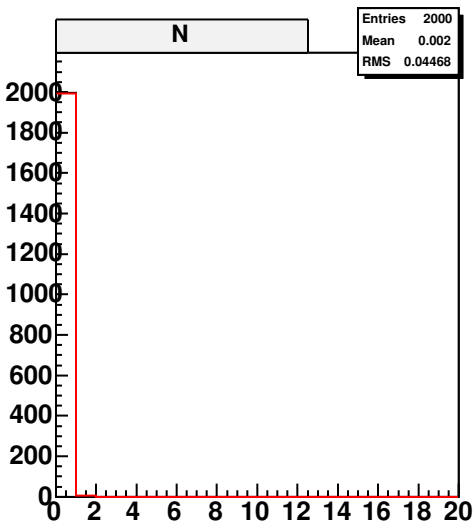


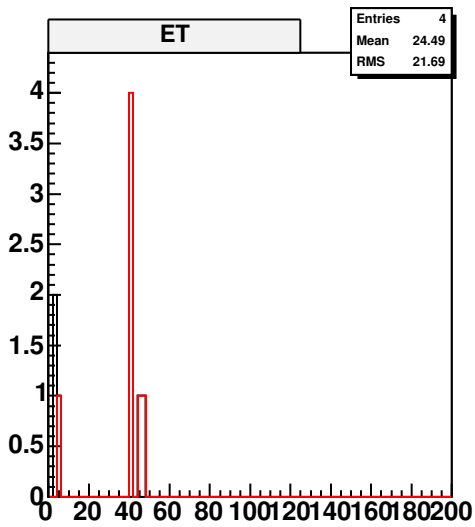


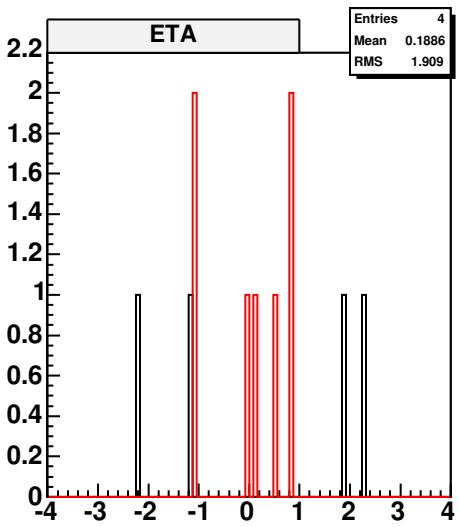


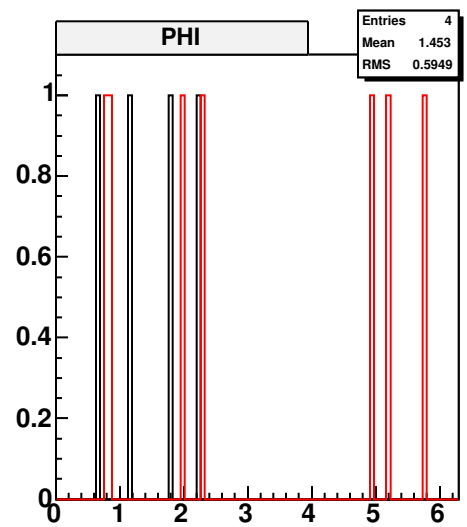


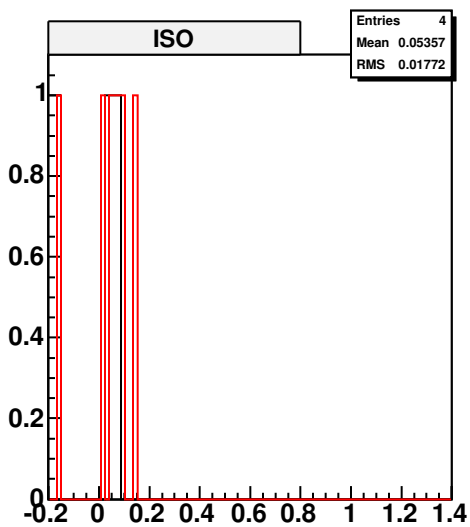
Electrons (SCONE All)

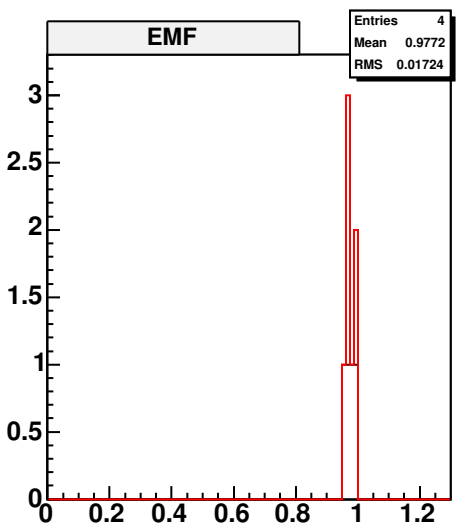


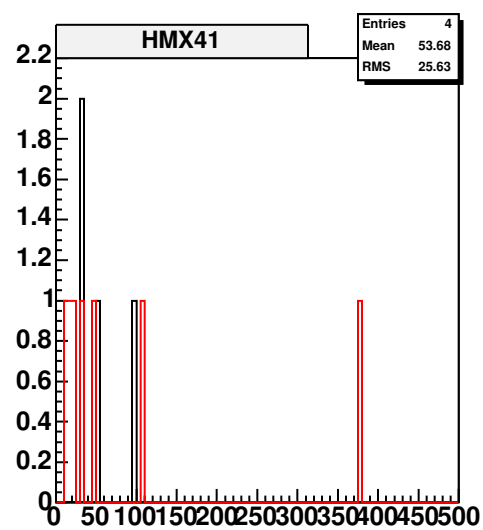


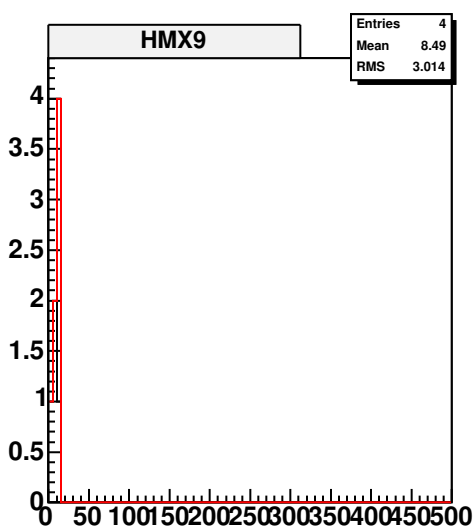


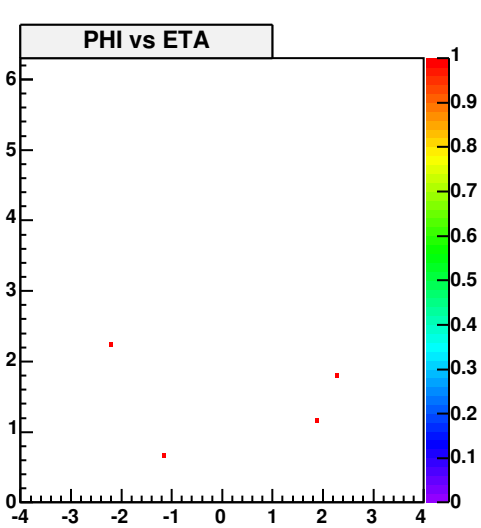




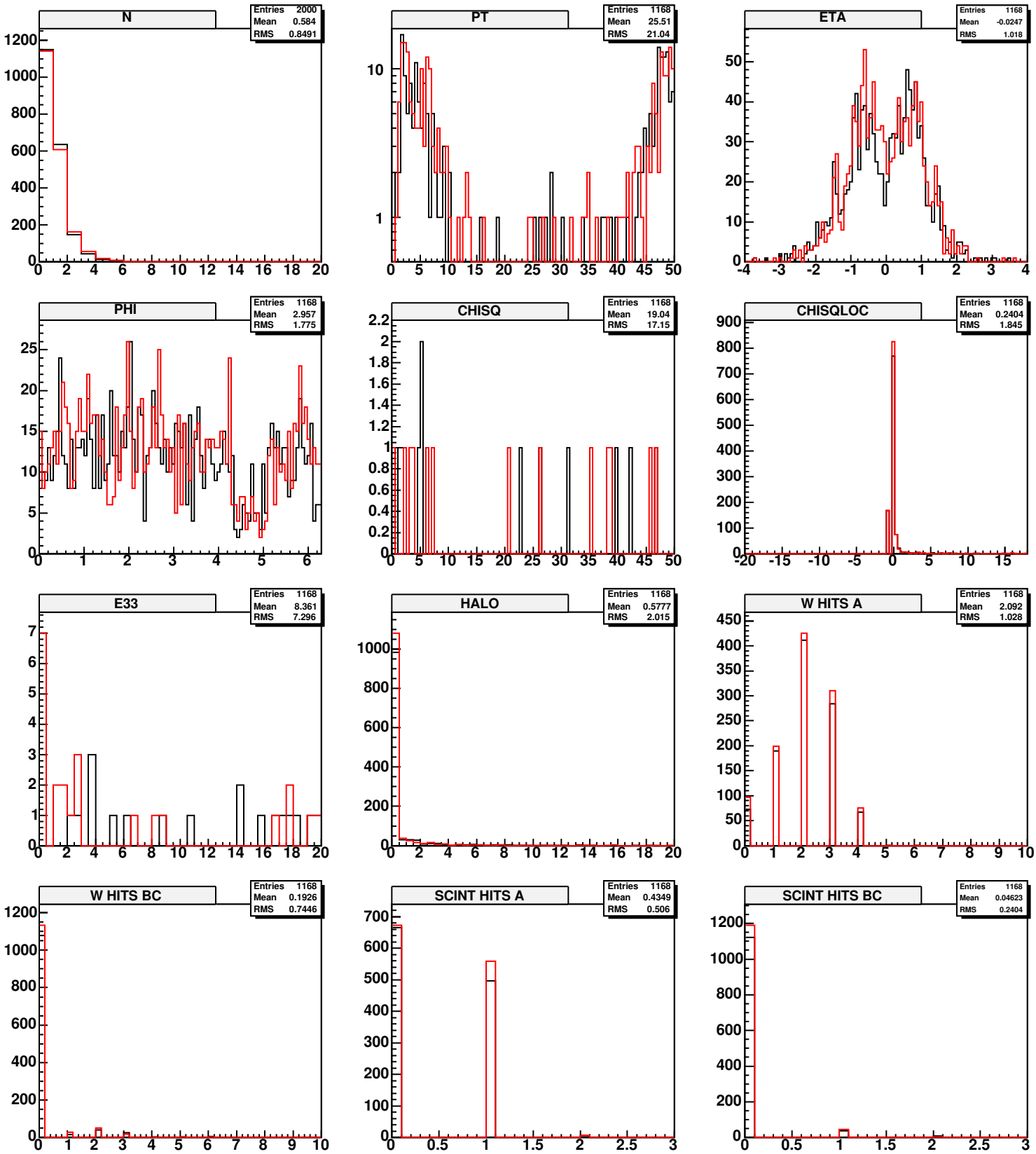




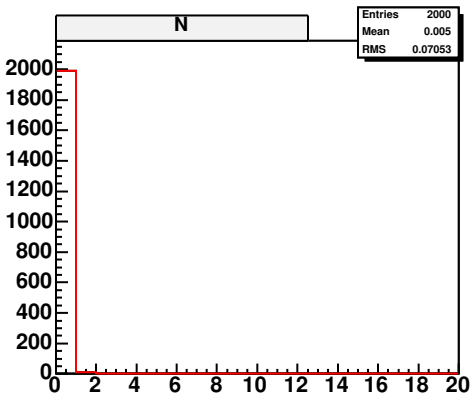


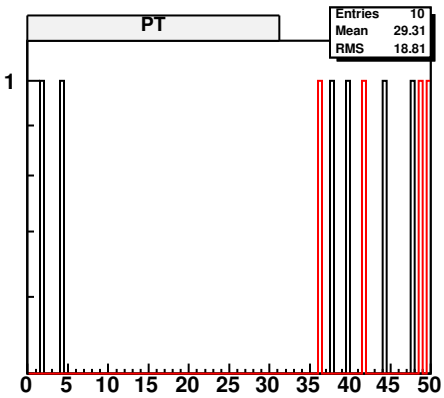


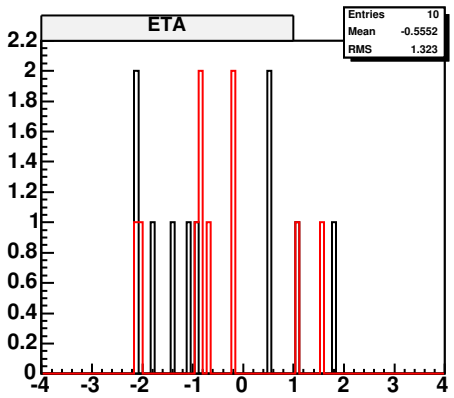
Electrons (SCONE Tight)

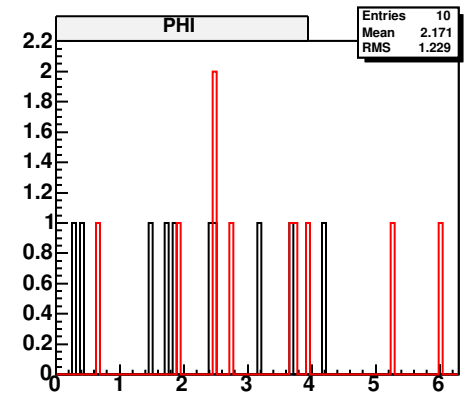

N
Entries 2000
Mean 0.584
RMS 0.8491
PT
Entries 1168
Mean 25.51
RMS 21.04
ETA
Entries 1168
Mean -0.0247
RMS 1.018
PHI
Entries 1168
Mean 2.957
RMS 1.775
CHISQ
Entries 1168
Mean 19.04
RMS 17.15
CHISQLOC
Entries 1168
Mean 0.2404
RMS 1.845
E33
Entries 1168
Mean 8.361
RMS 7.296
HALO
Entries 1168
Mean 0.5777
RMS 2.015
W HITS A
Entries 1168
Mean 2.092
RMS 1.028
W HITS BC
Entries 1168
Mean 0.1926
RMS 0.7446
SCINT HITS A
Entries 1168
Mean 0.4349
RMS 0.506
SCINT HITS BC
Entries 1168
Mean 0.04623
RMS 0.2404

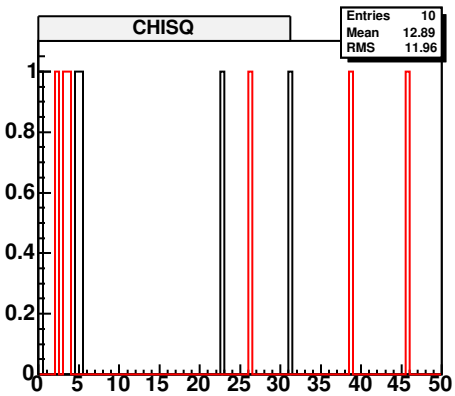
Muons (All)

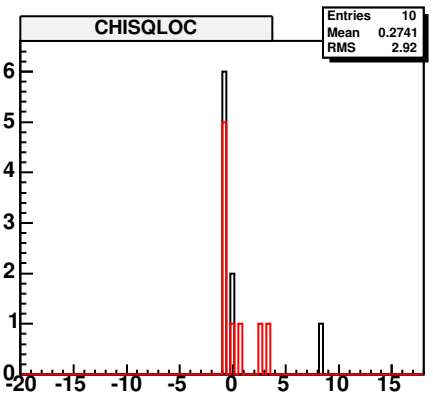


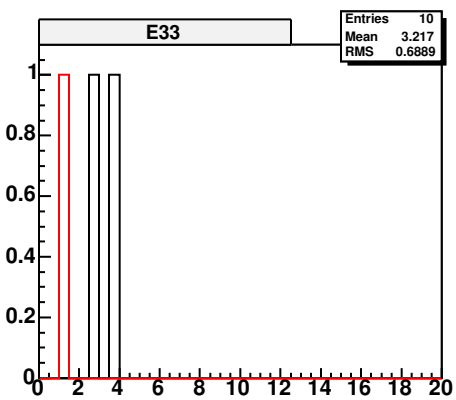


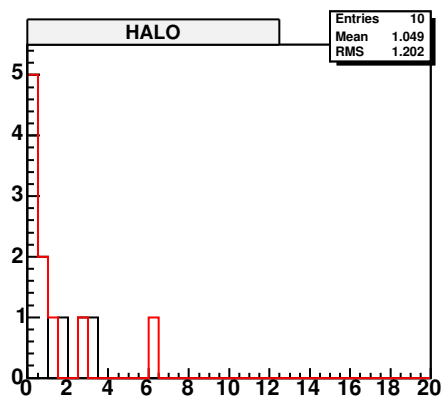


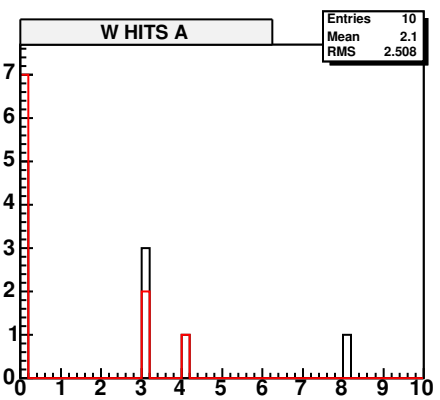


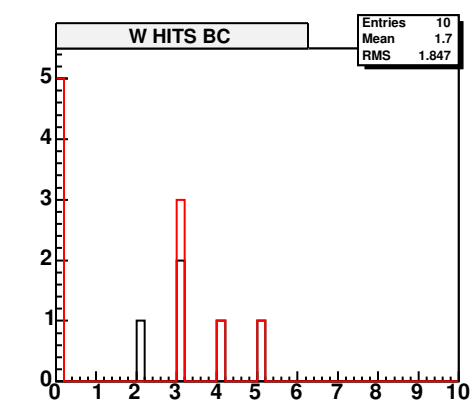


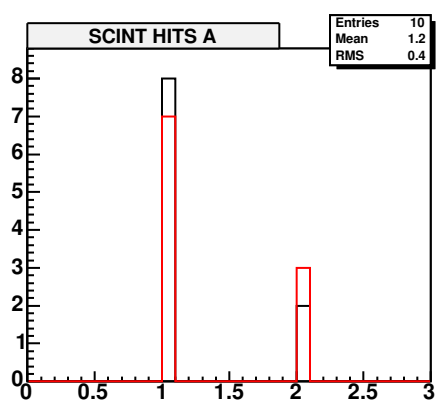


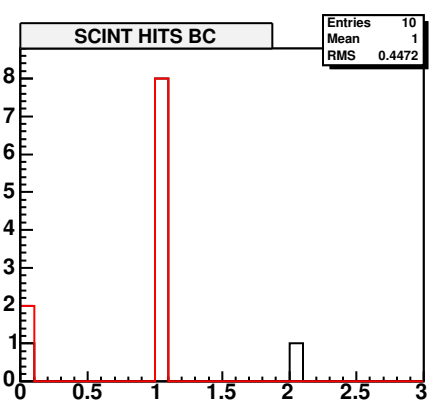




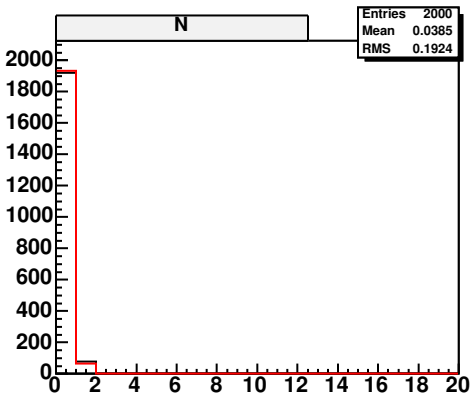


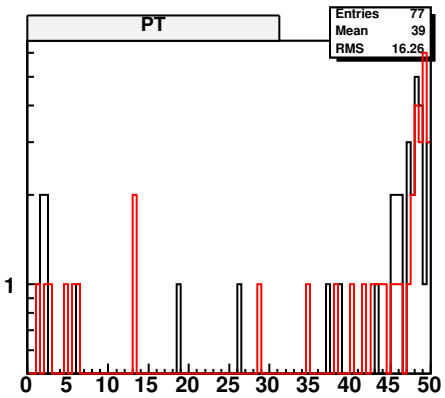


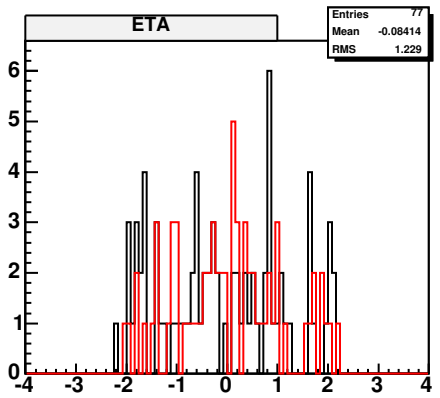


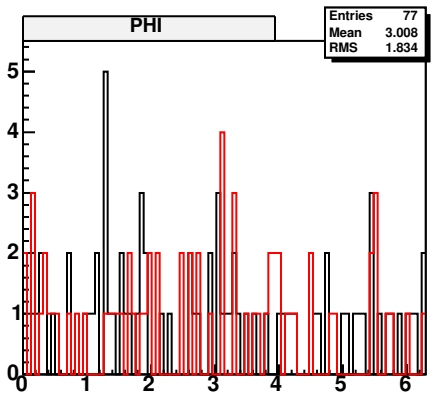


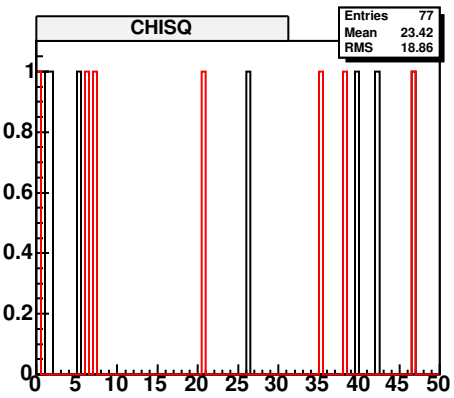
Muons (Matched)

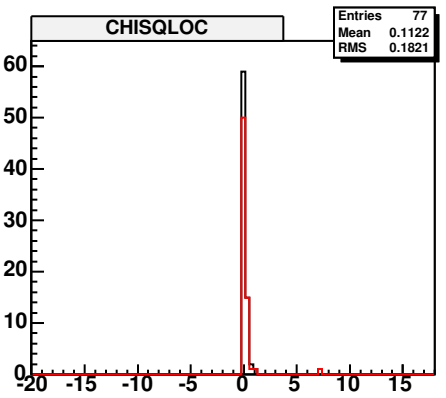

N
Entries 2000
Mean 0.0385
RMS 0.1924

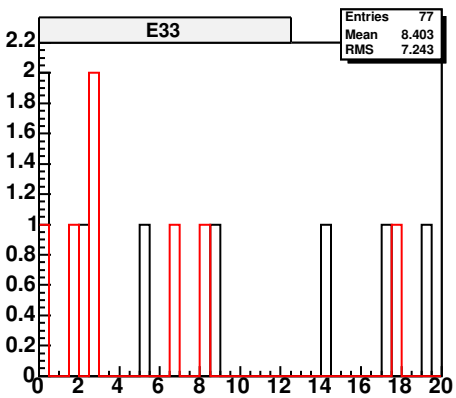

PT
Entries 77
Mean 39
RMS 16.26

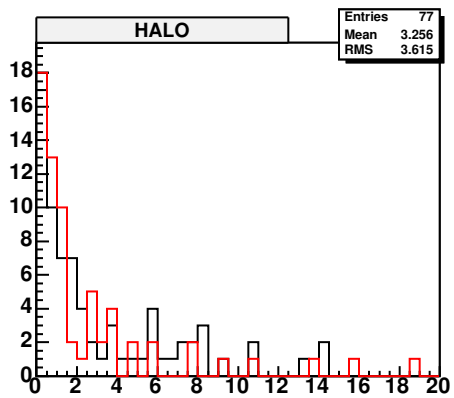

ETA
Entries 77
Mean -0.08414
RMS 1.229

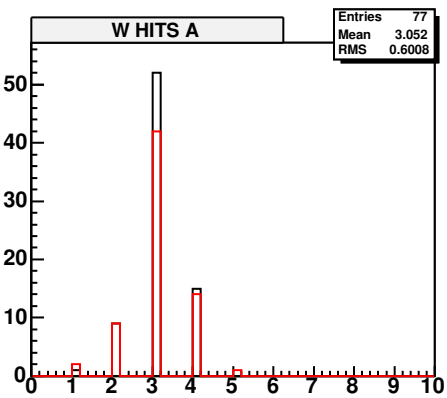

PHI
Entries 77
Mean 3.008
RMS 1.834

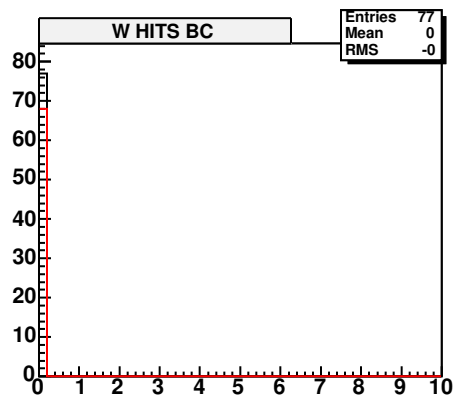

CHISQ
Entries 77
Mean 23.42
RMS 18.86

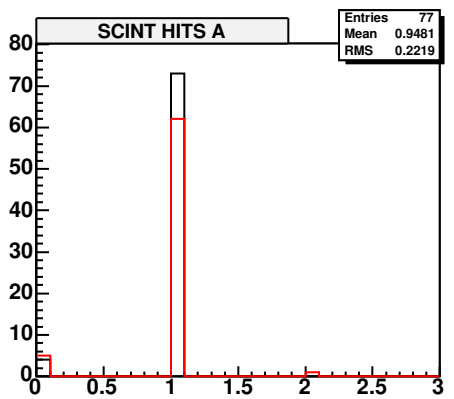

CHISQLOC
Entries 77
Mean 0.1122
RMS 0.1821

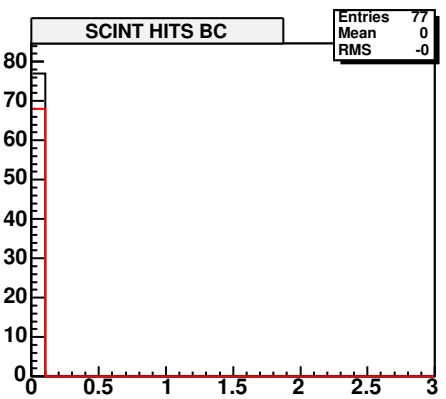

E33
Entries 77
Mean 8.403
RMS 7.243


HALO
Entries 77
Mean 3.256
RMS 3.615

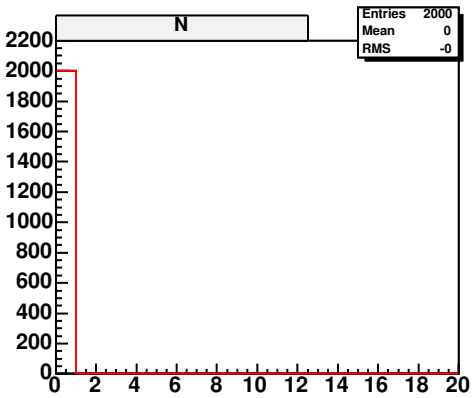

W HITS A
Entries 77
Mean 3.052
RMS 0.6008

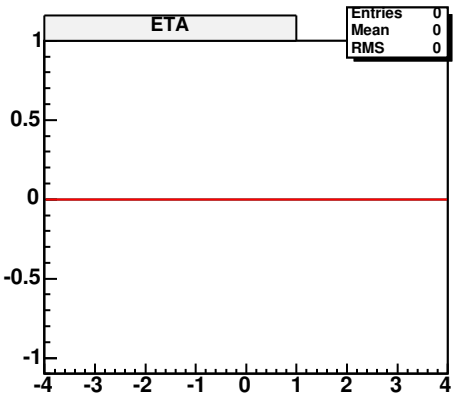

W HITS BC
Entries 77
Mean 0
RMS -0

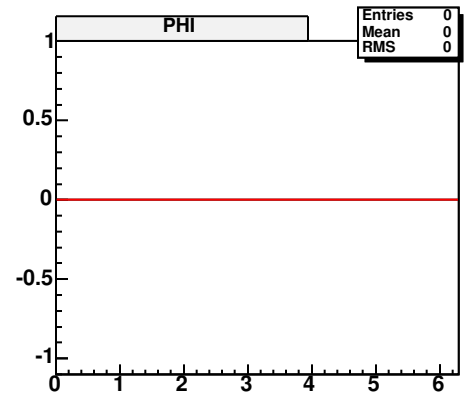

SCINT HITS A
Entries 77
Mean 0.9481
RMS 0.2219

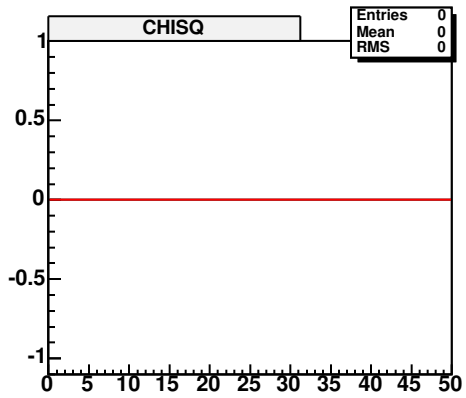

SCINT HITS BC
Entries 77
Mean 0
RMS -0

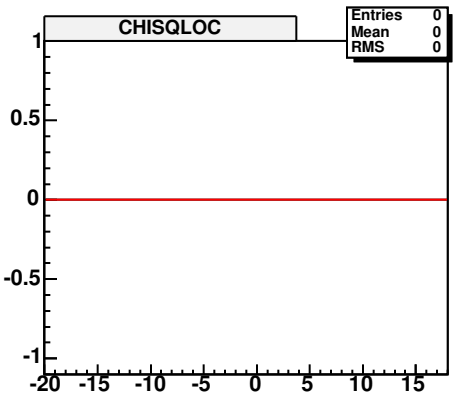
Muons (Astub)

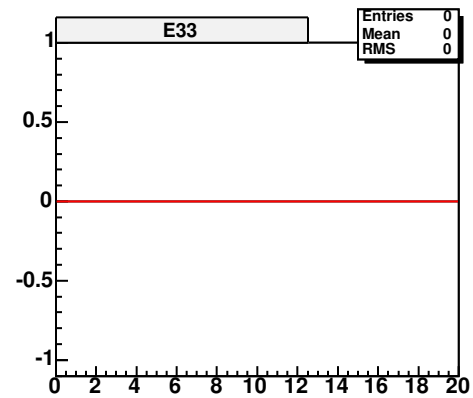


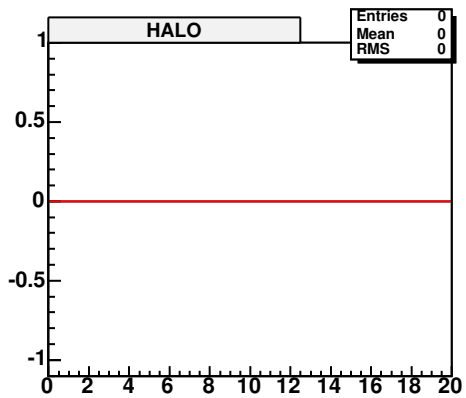


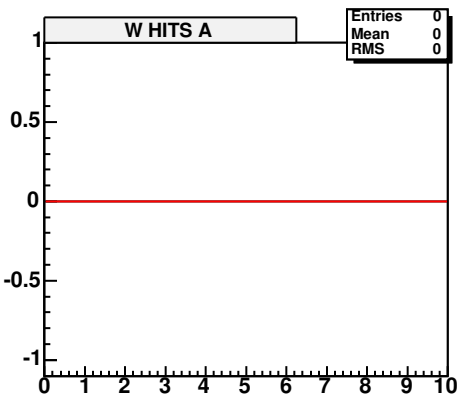


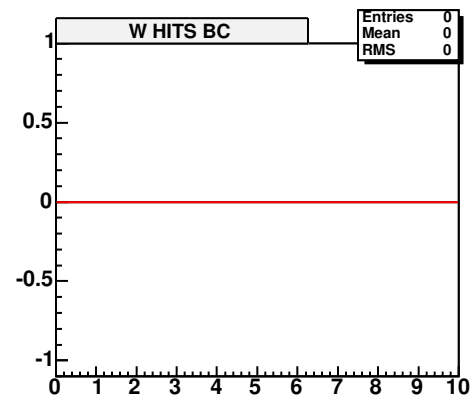


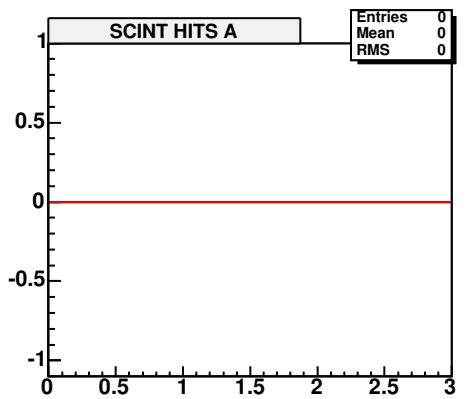


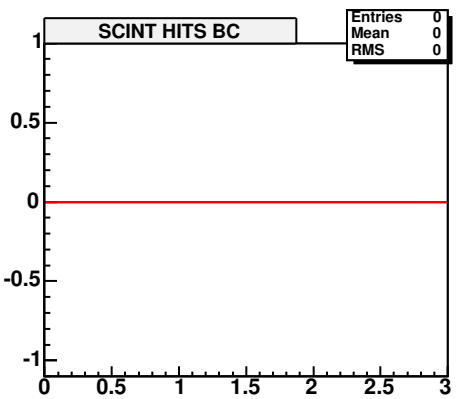




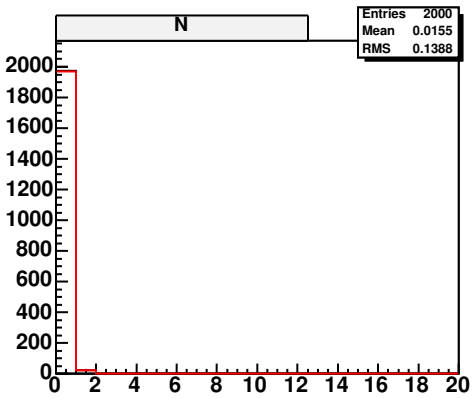


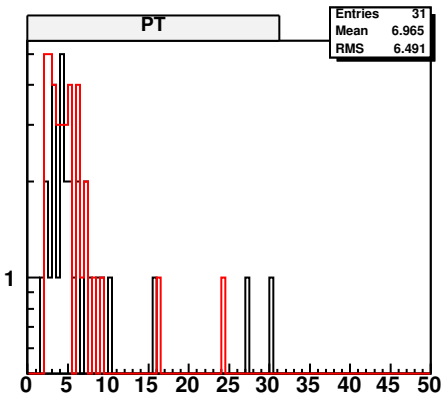


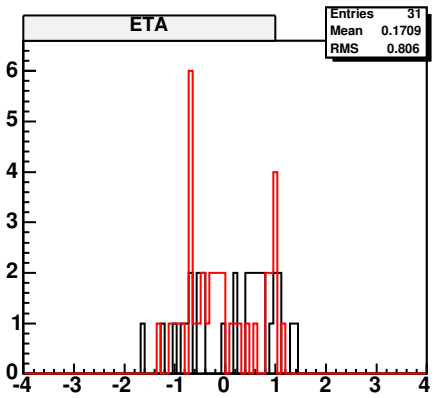


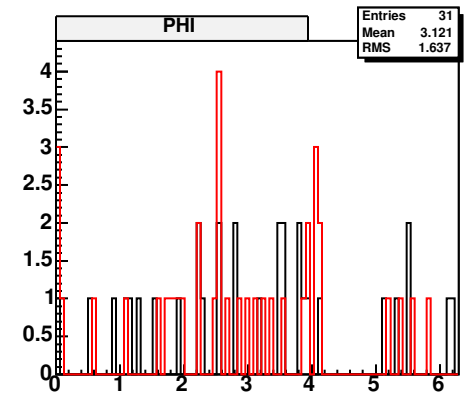


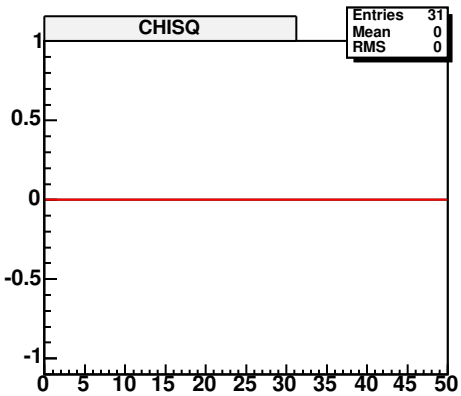
Muons (BCstub)

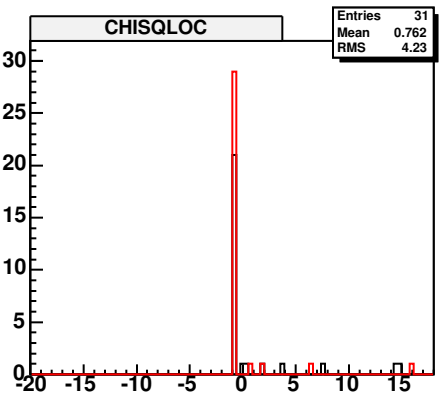


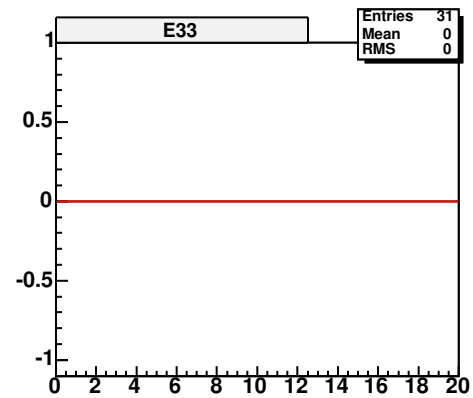


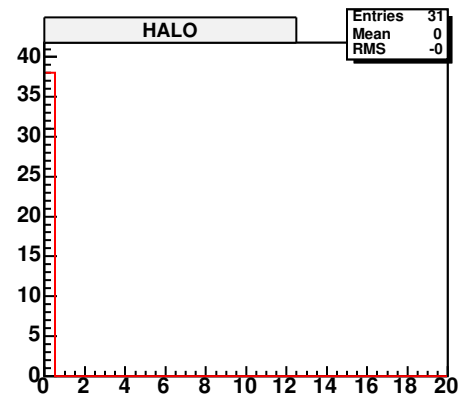


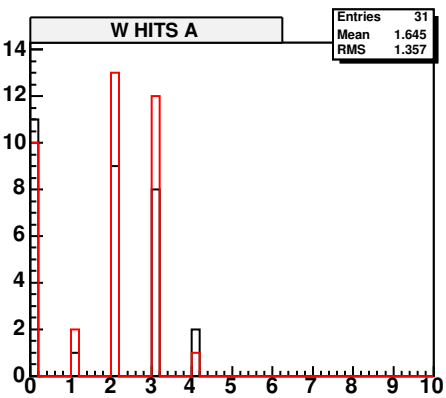


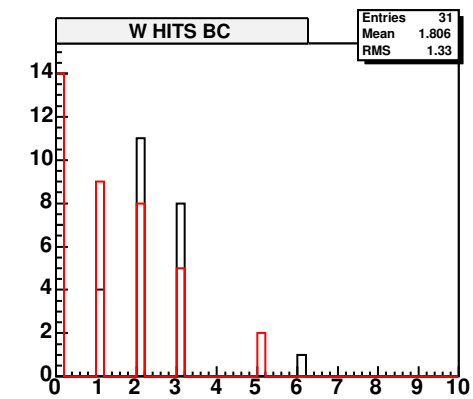


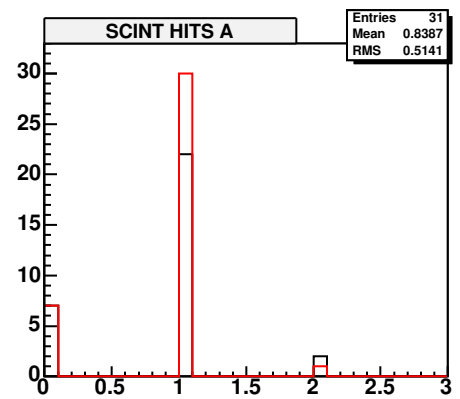


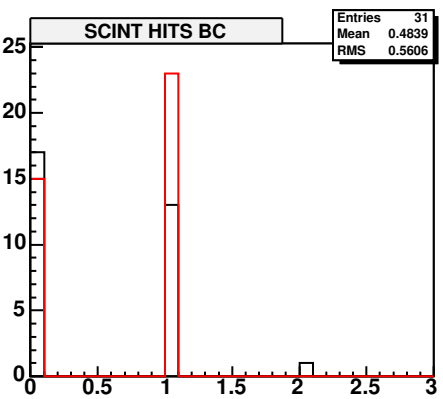




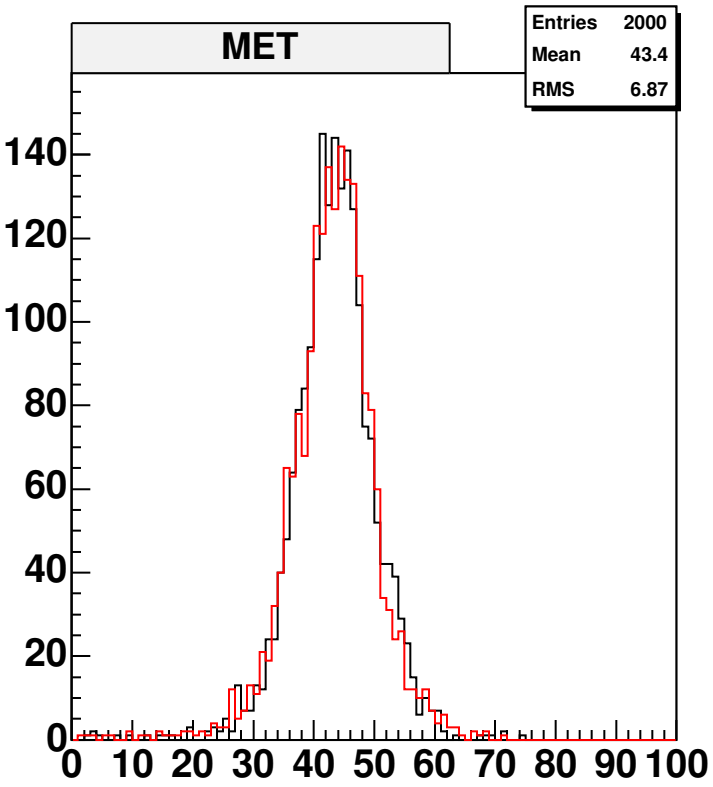


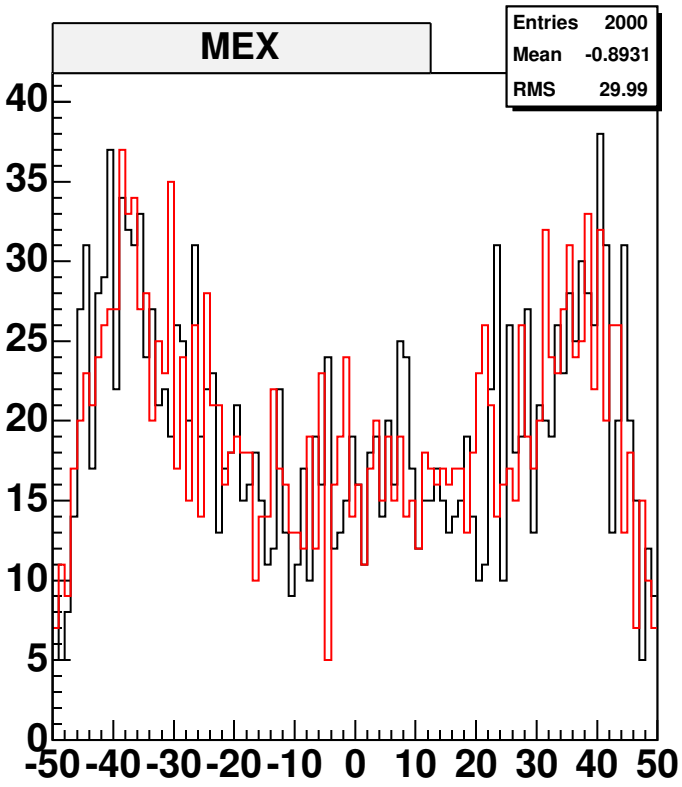


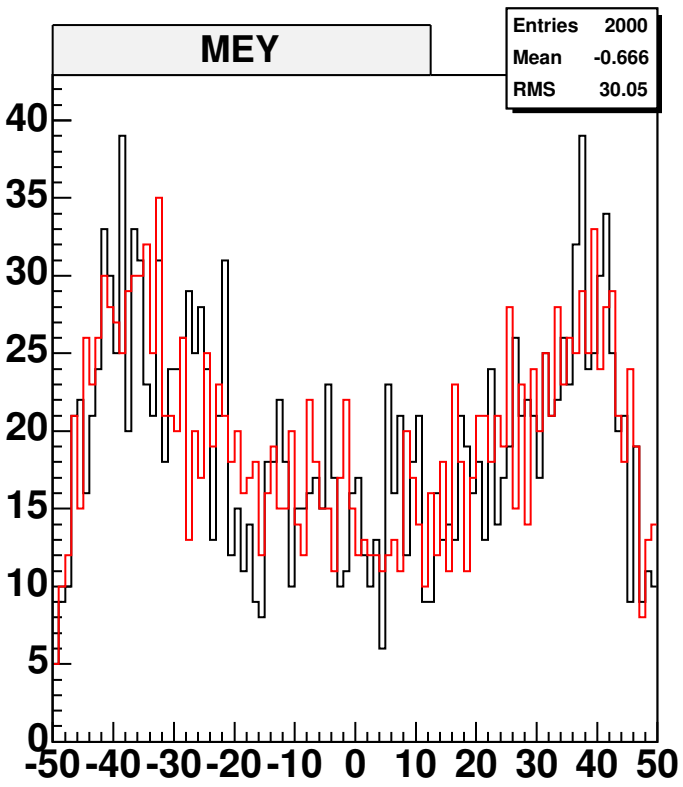




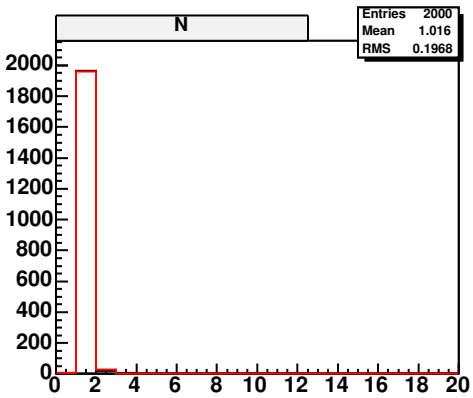
Muons (Unmatched)

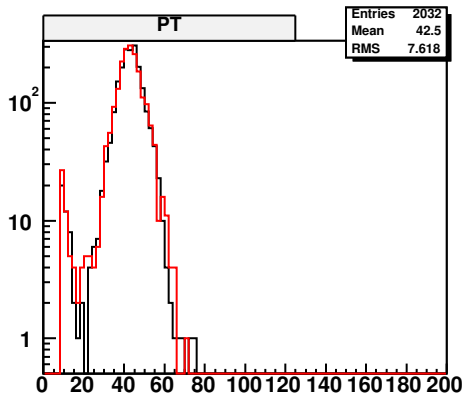

MET
Entries 2000
Mean 43.4
RMS 6.87
0 10 20 30 40 50 60 70 80 90 100
0 20 40 60 80 100 120 140

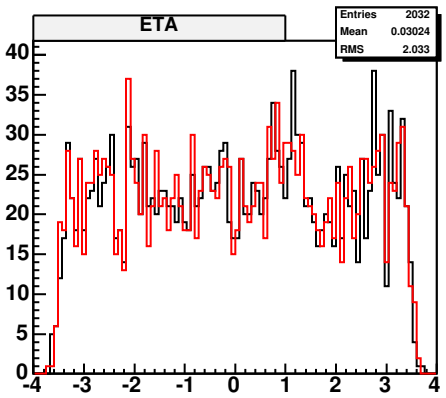

MEX
Entries 2000
Mean -0.8931
RMS 29.99
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40

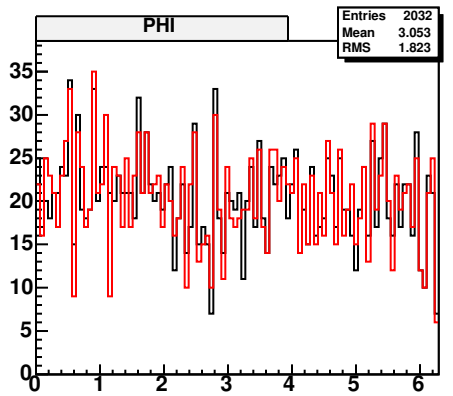

MEY
Entries 2000
Mean -0.666
RMS 30.05
-50 -40 -30 -20 -10 0 10 20 30 40 50
0 5 10 15 20 25 30 35 40

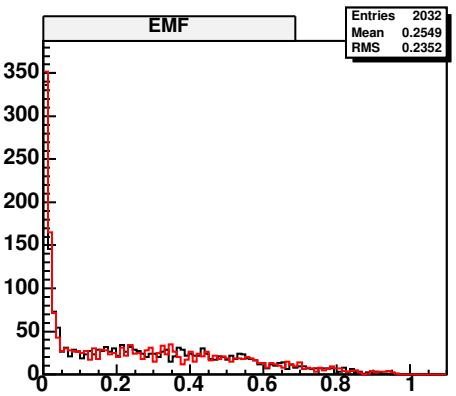
Met (No cuts)

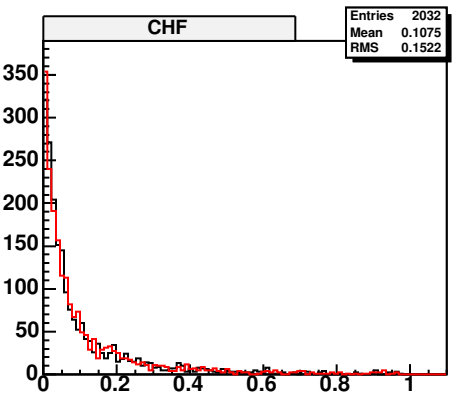


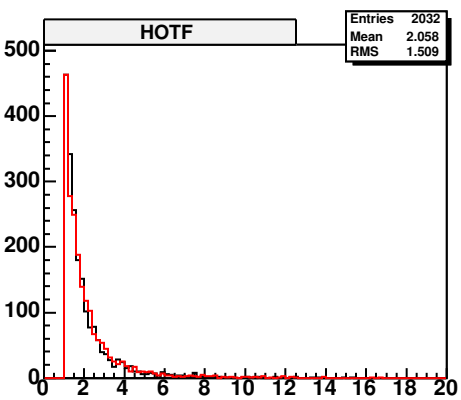


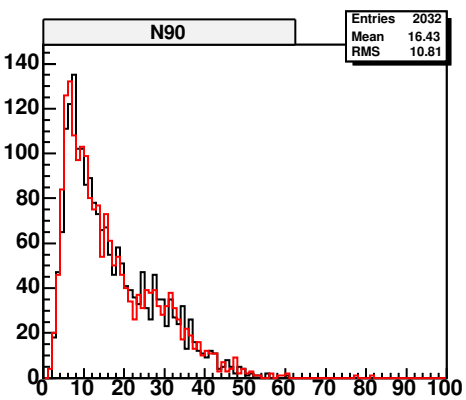


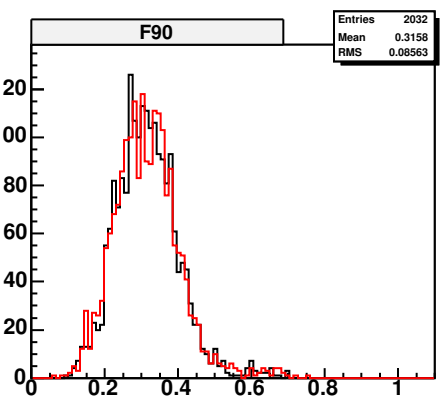


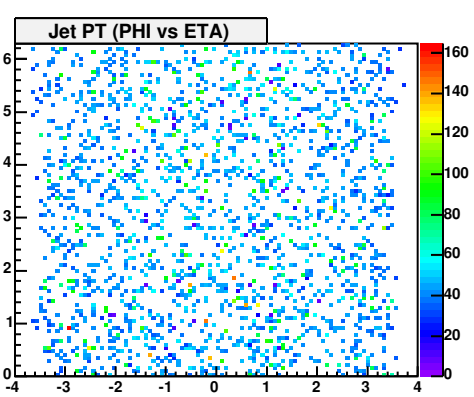




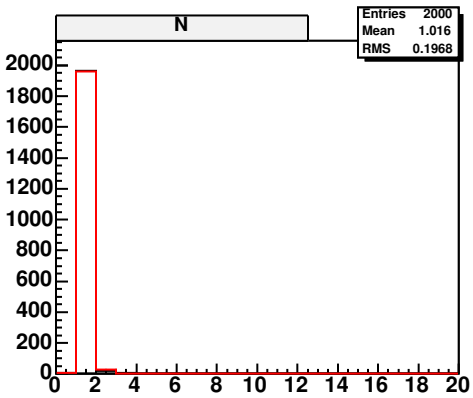


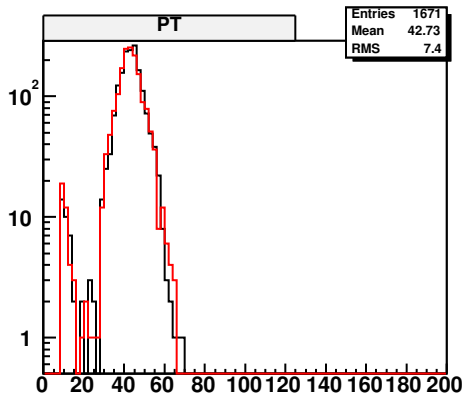


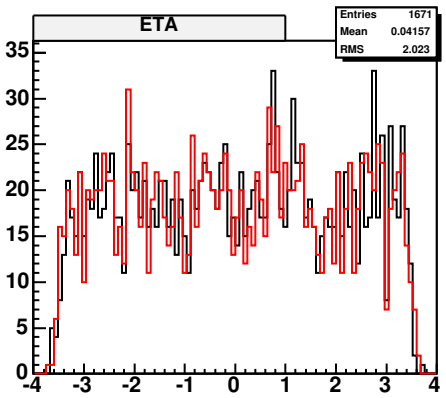


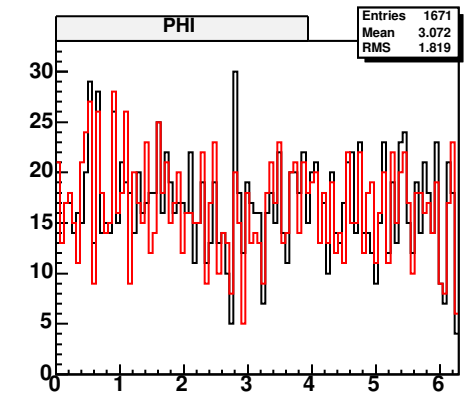


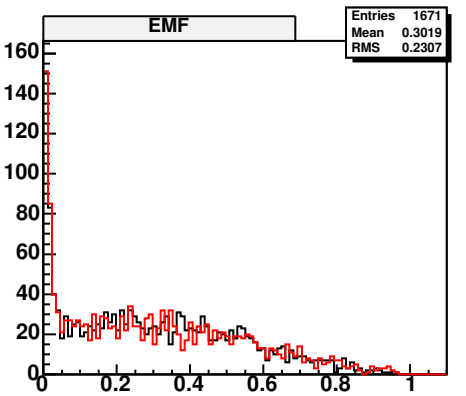
Jets (Cone R 0.7 (no cuts))

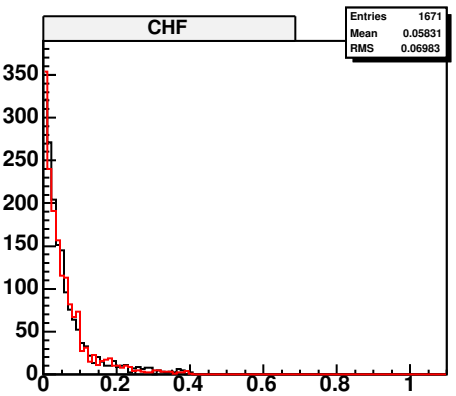


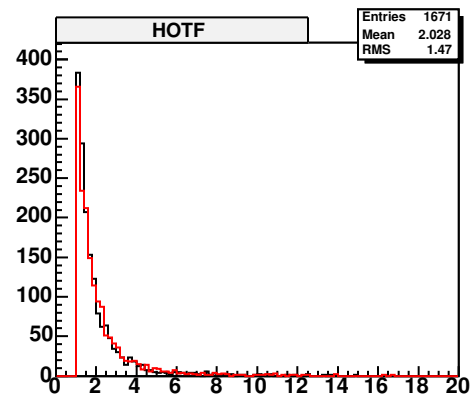


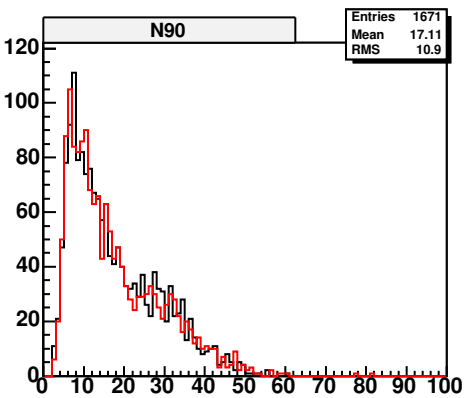


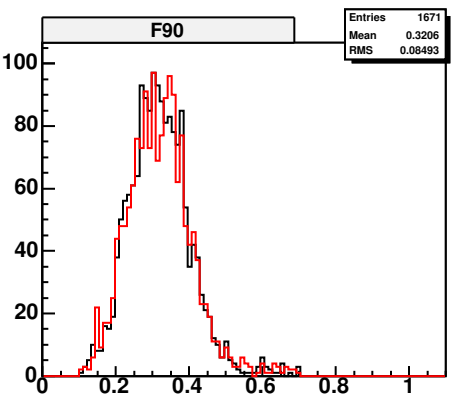


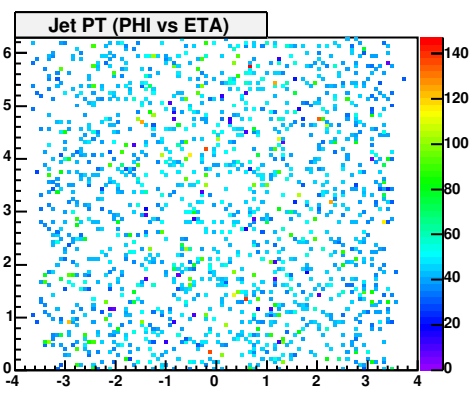




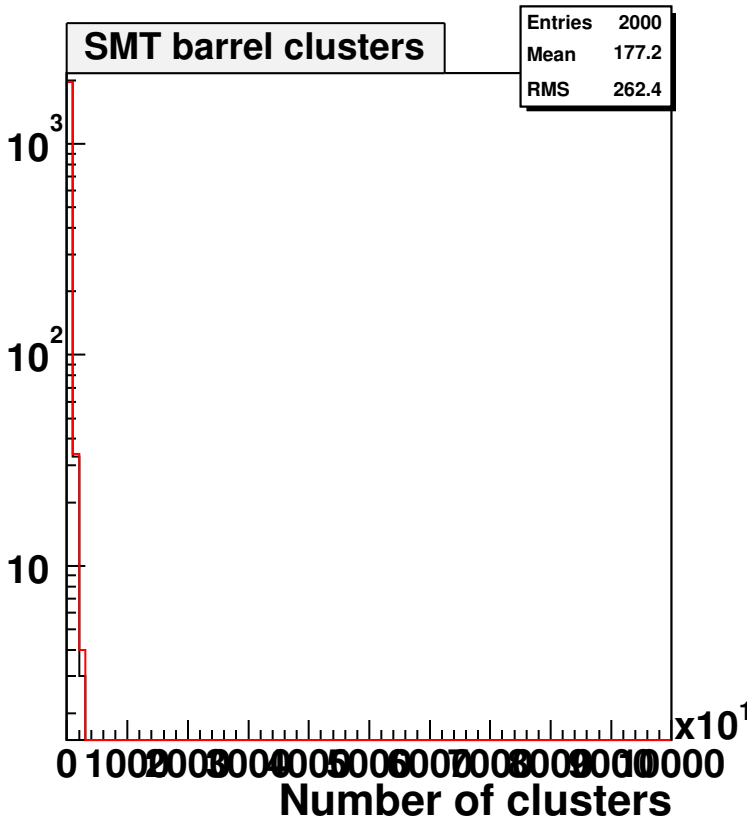


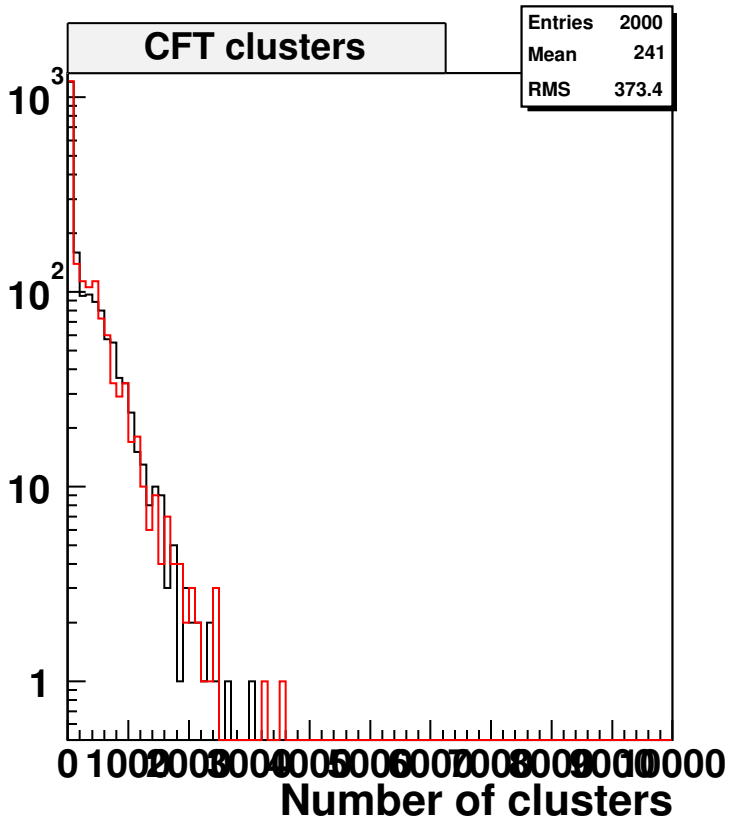


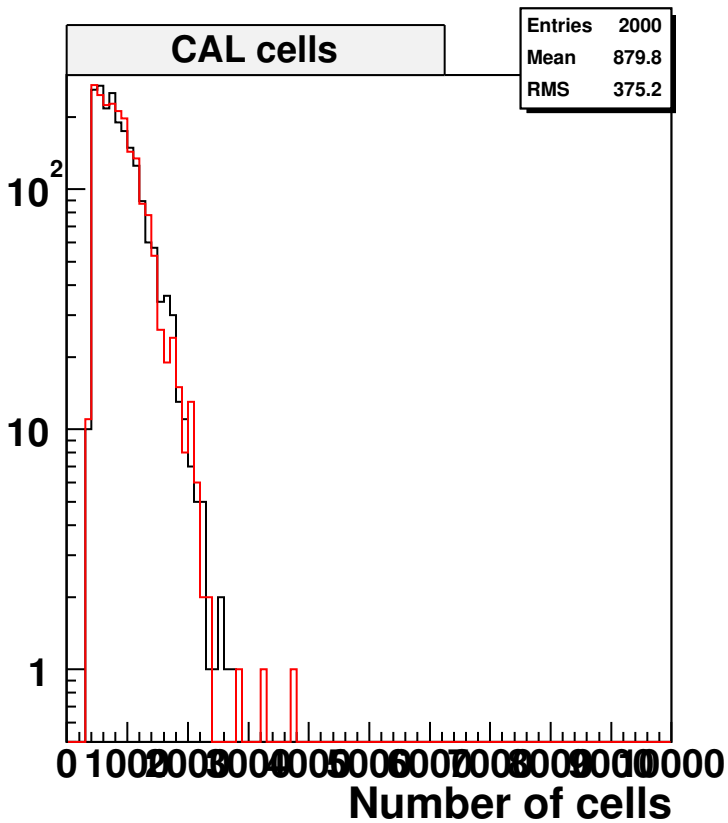


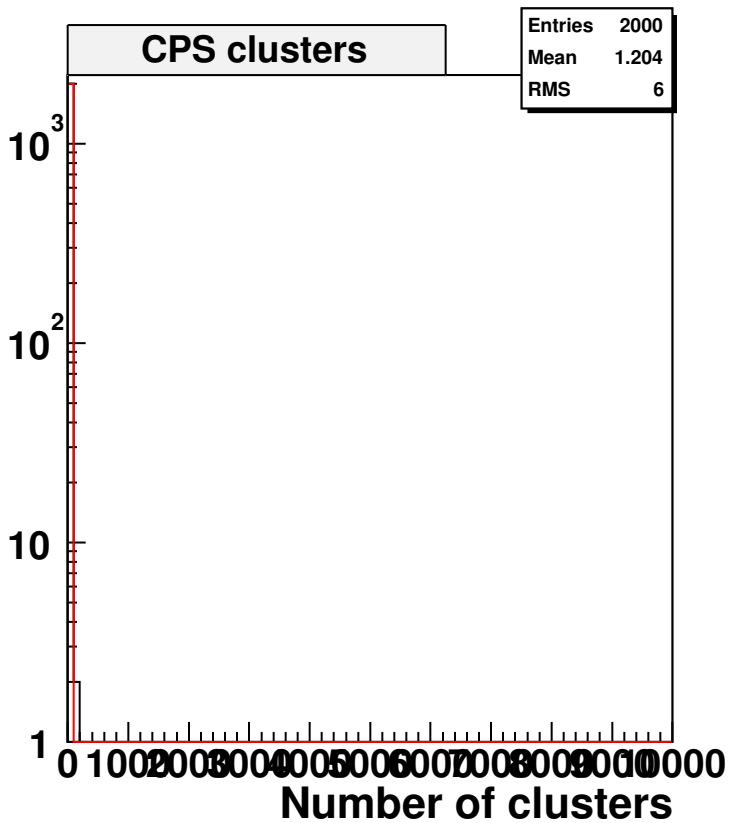


Jets (Cone R 0.7 (standard cuts))

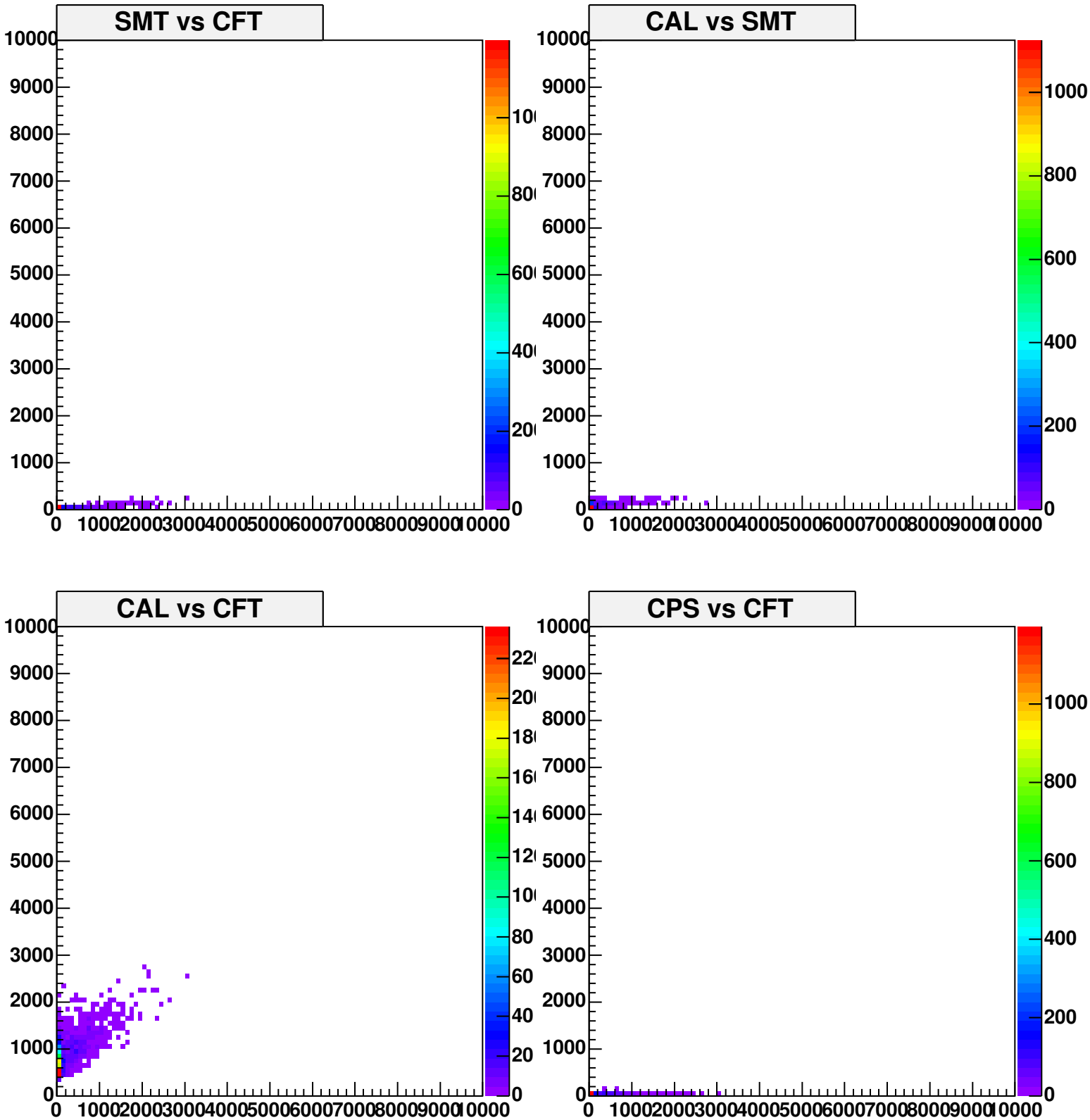


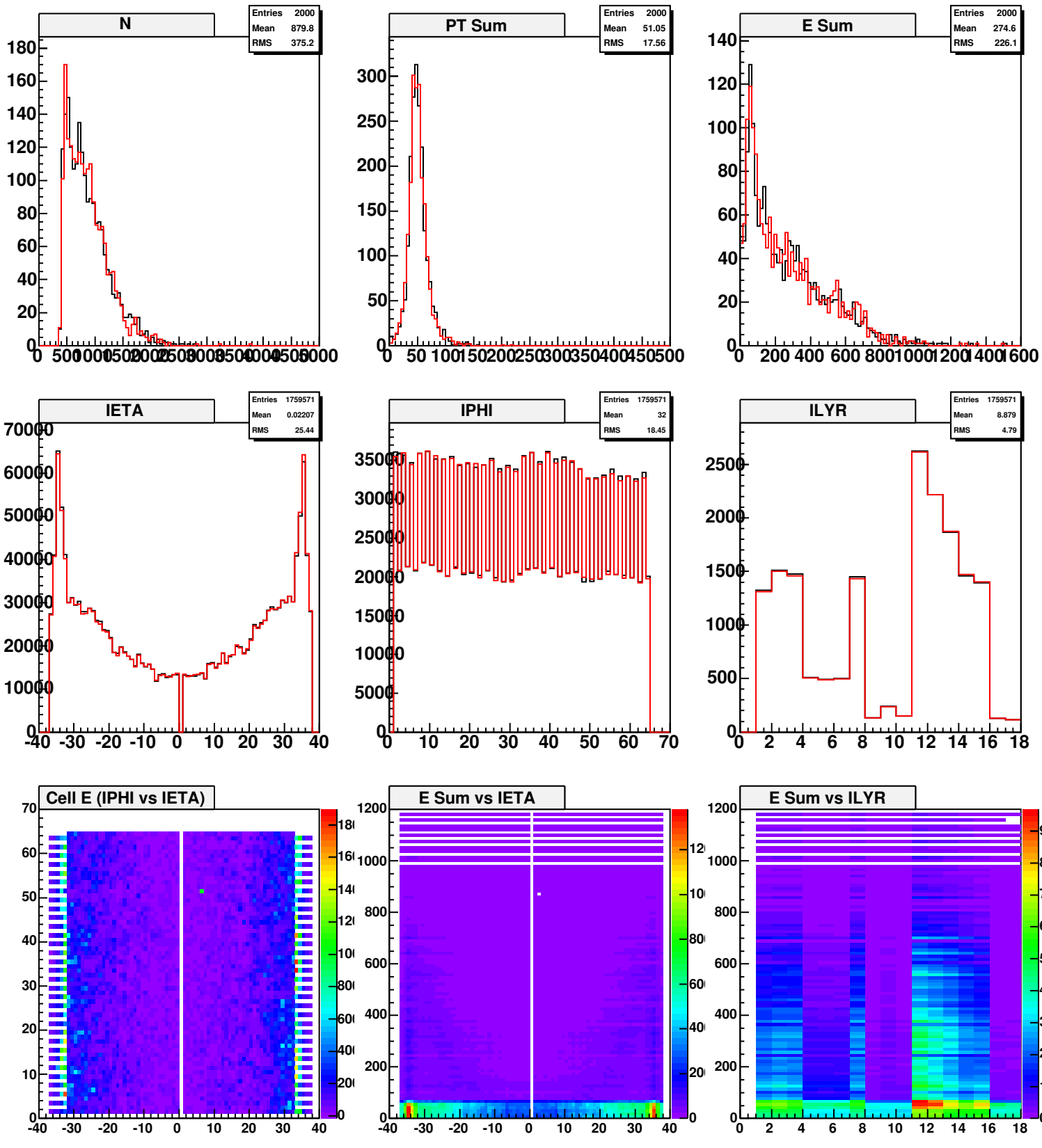




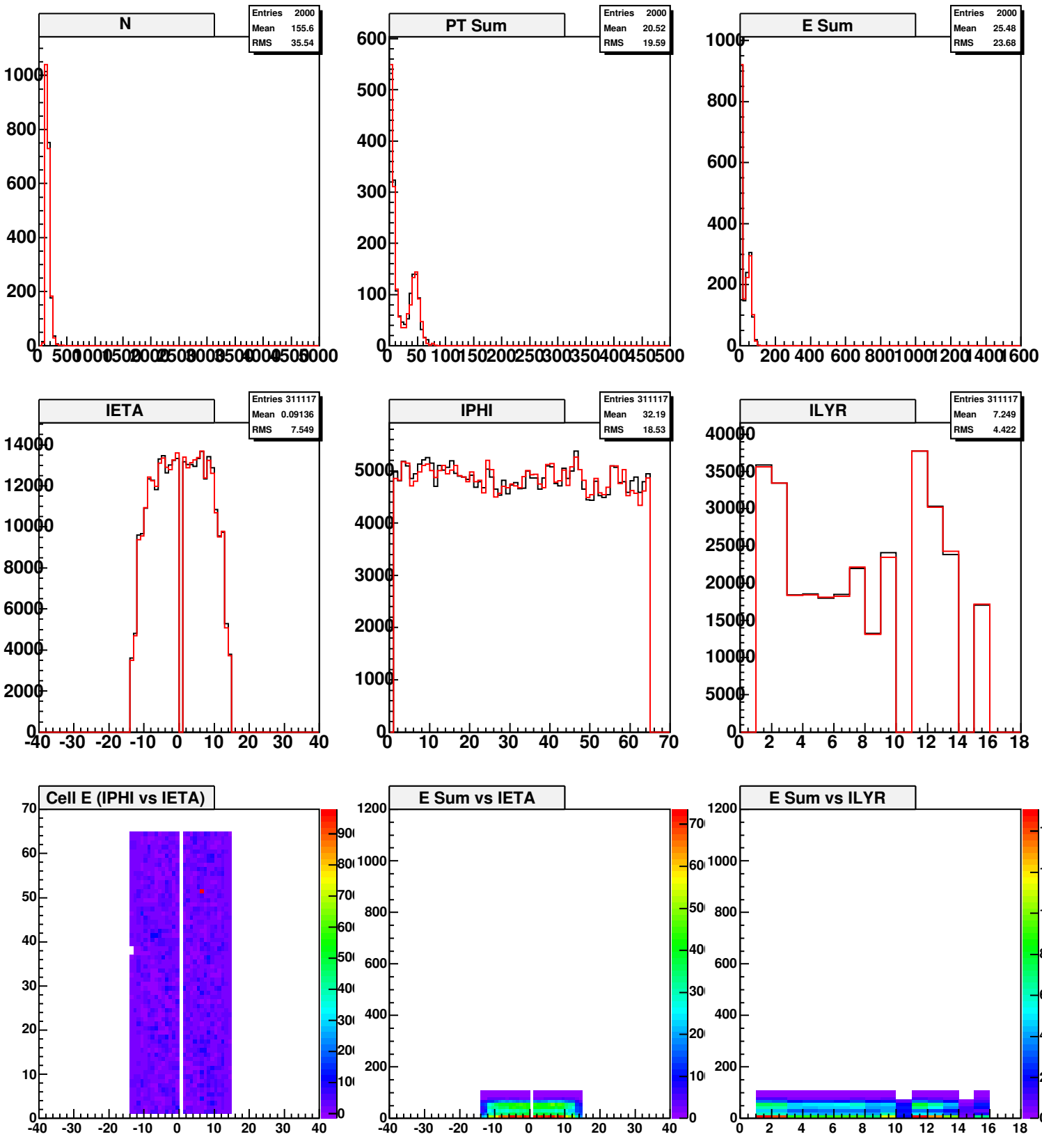


Detector Occupancy (Detector)

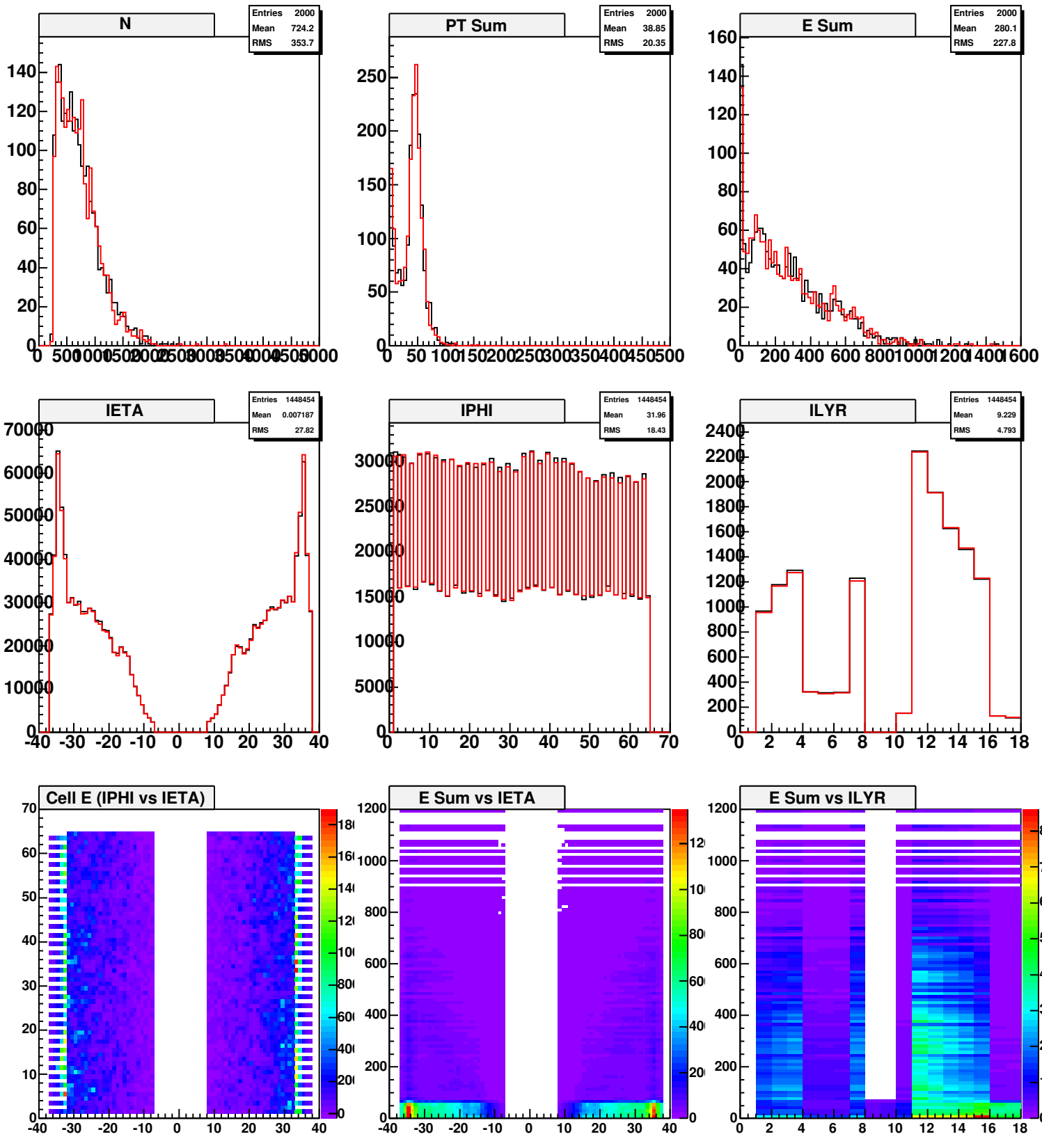

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Detector Occupancy (Detector)



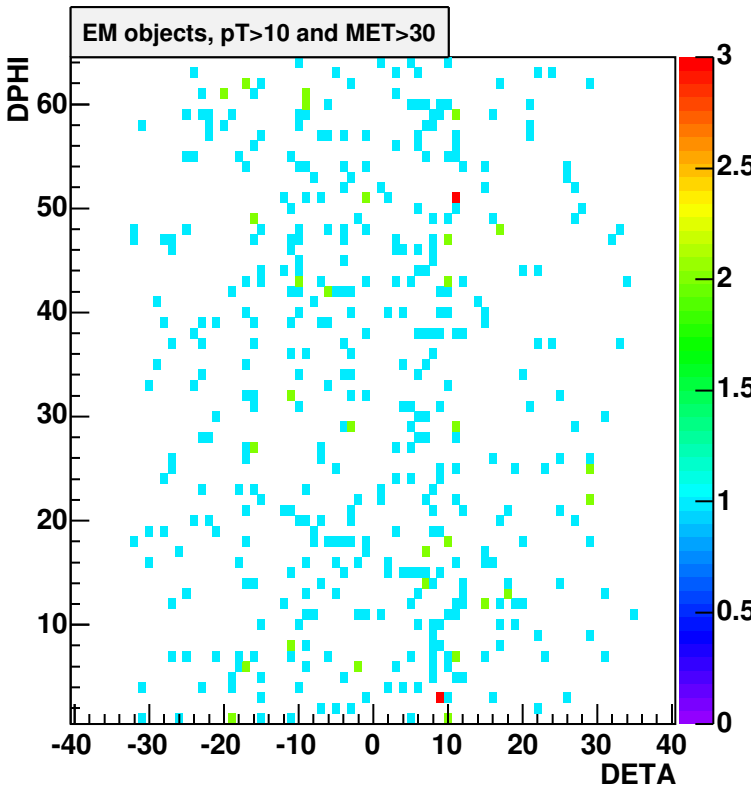
Calorimeter (All cells)

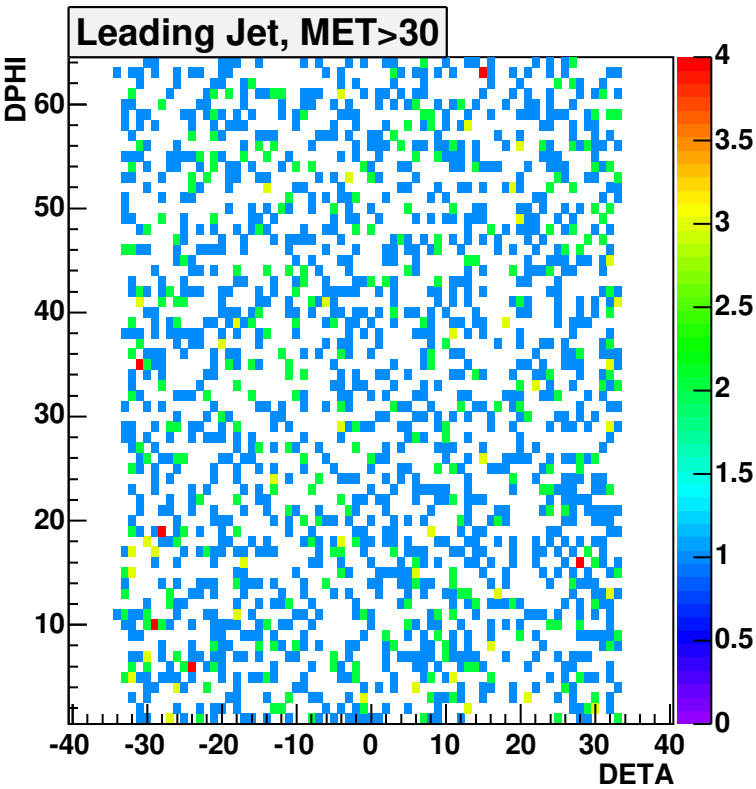


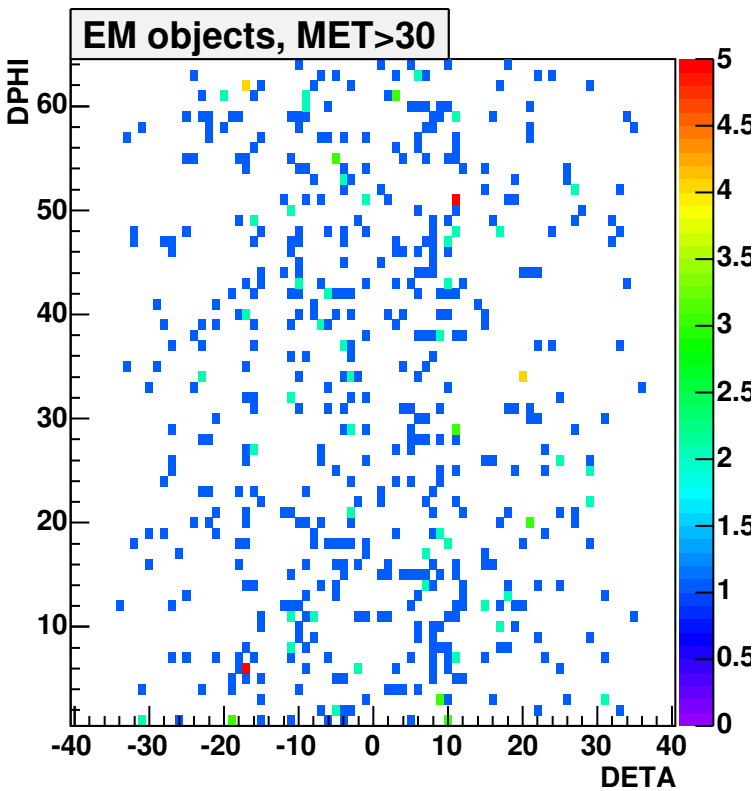
Calorimeter (All CC cells)



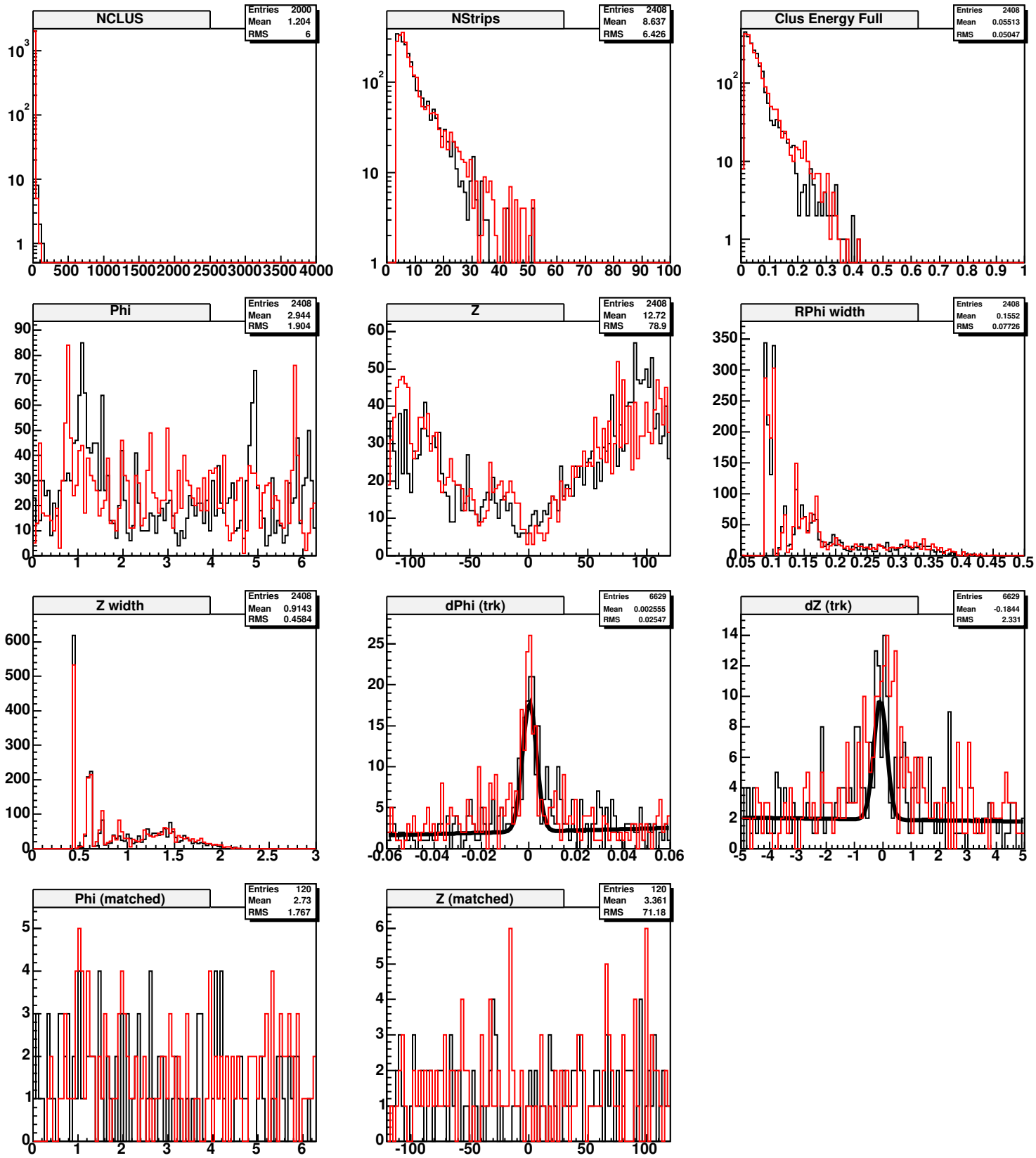
Calorimeter (All EC cells)



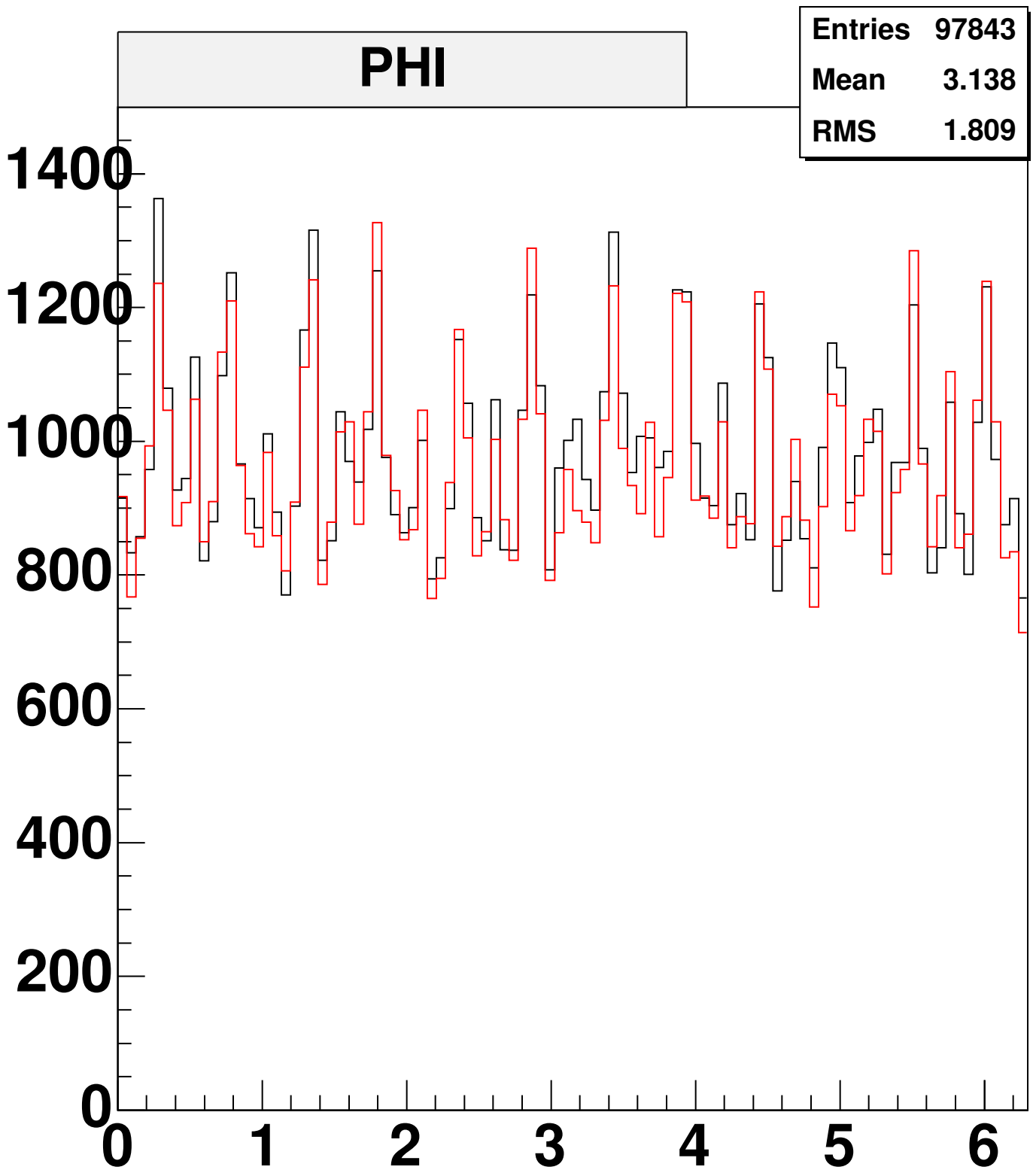


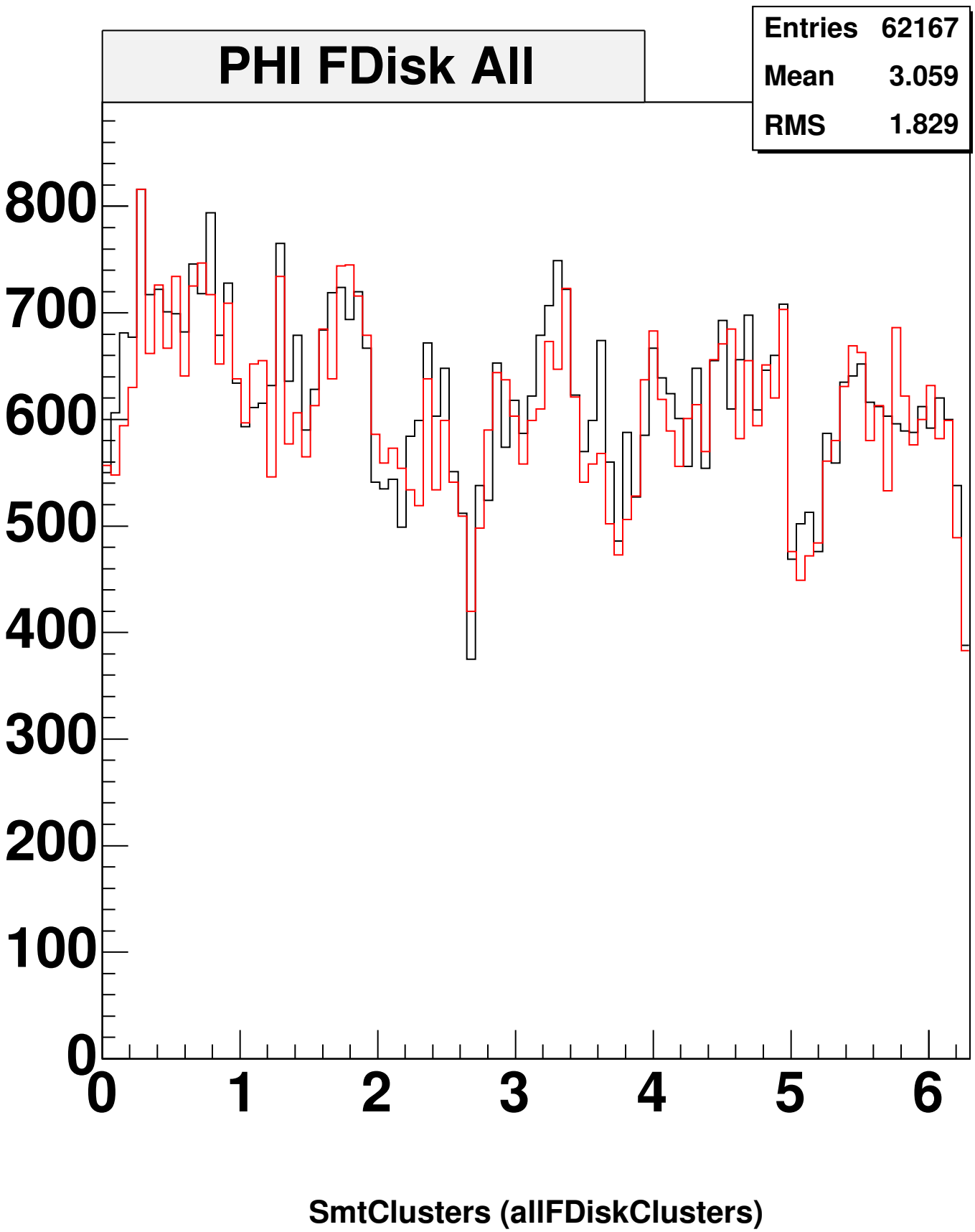


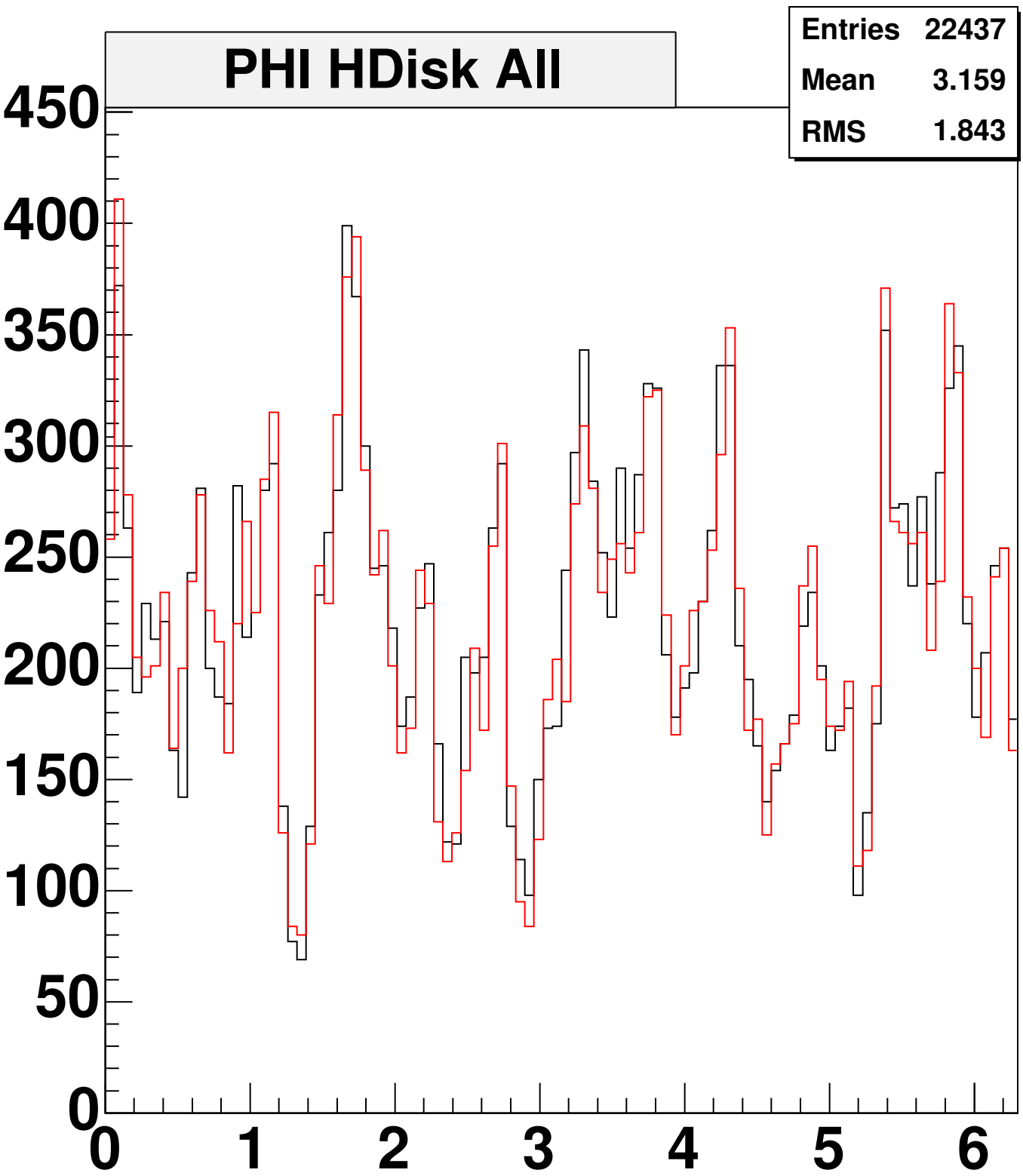
Calorimeter (All cells)

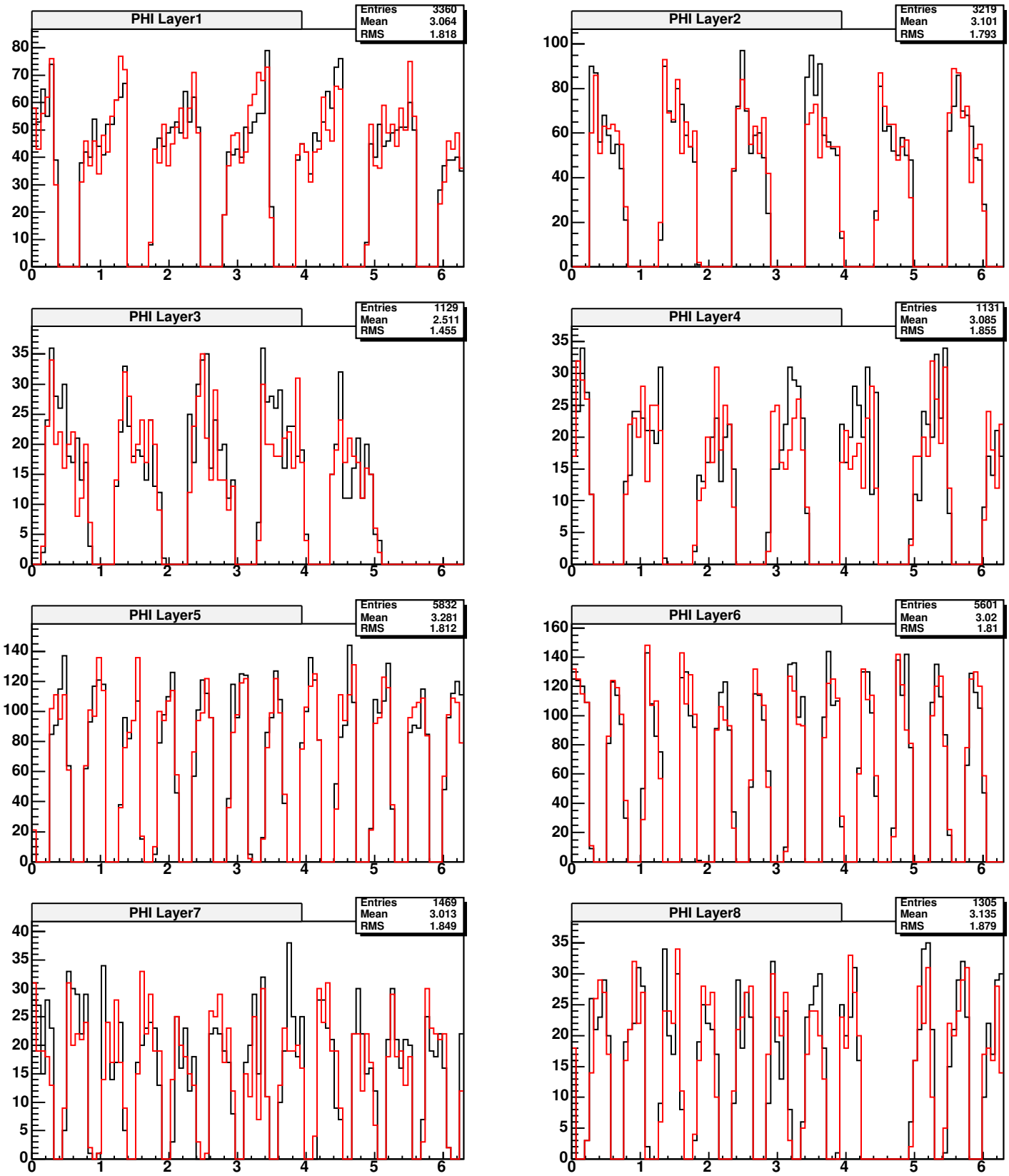


CPS Clusters (All Clusters)

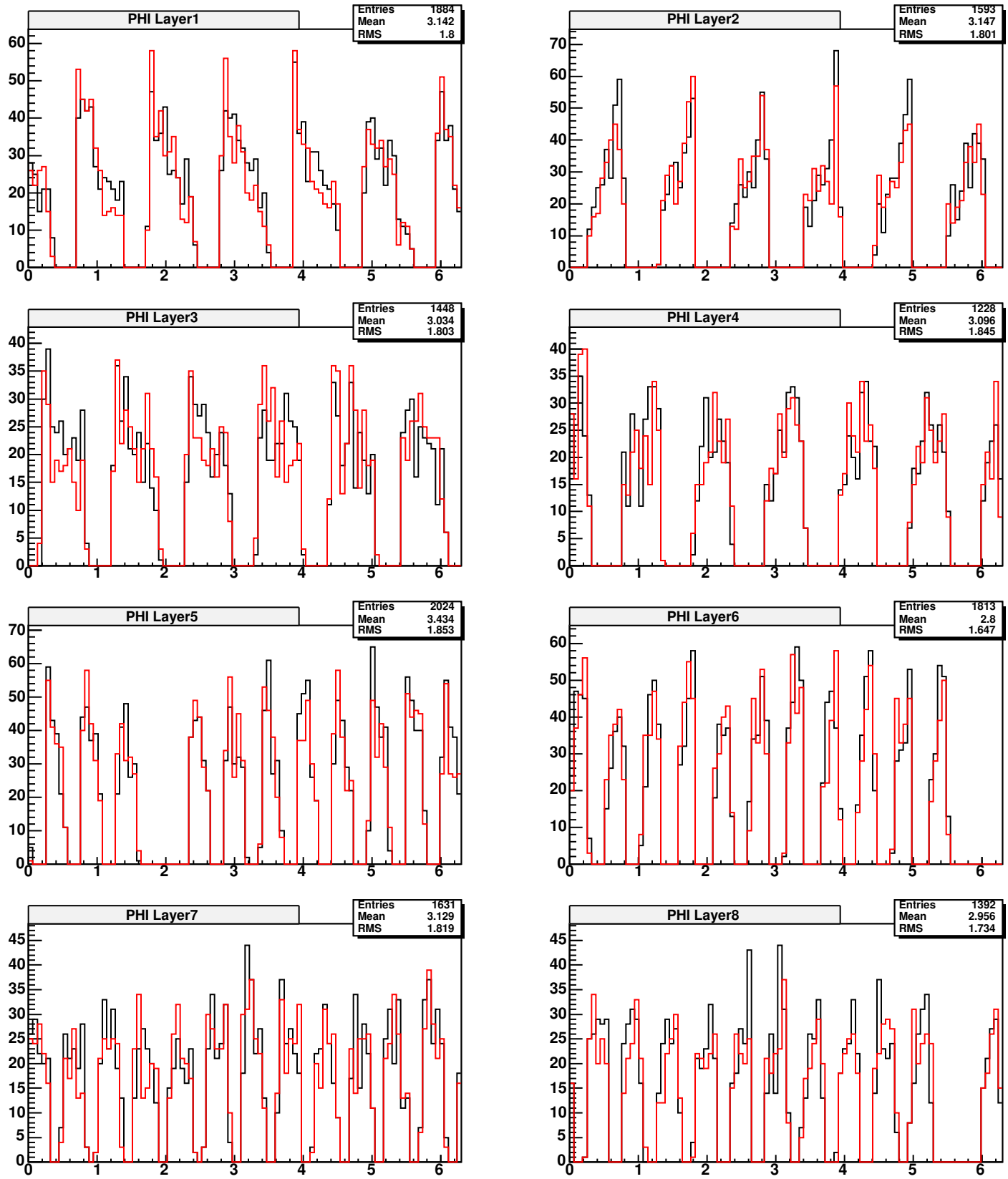

PHI
Entries 97843
Mean 3.138
RMS 1.809
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 62167
Mean 3.059
RMS 1.829
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

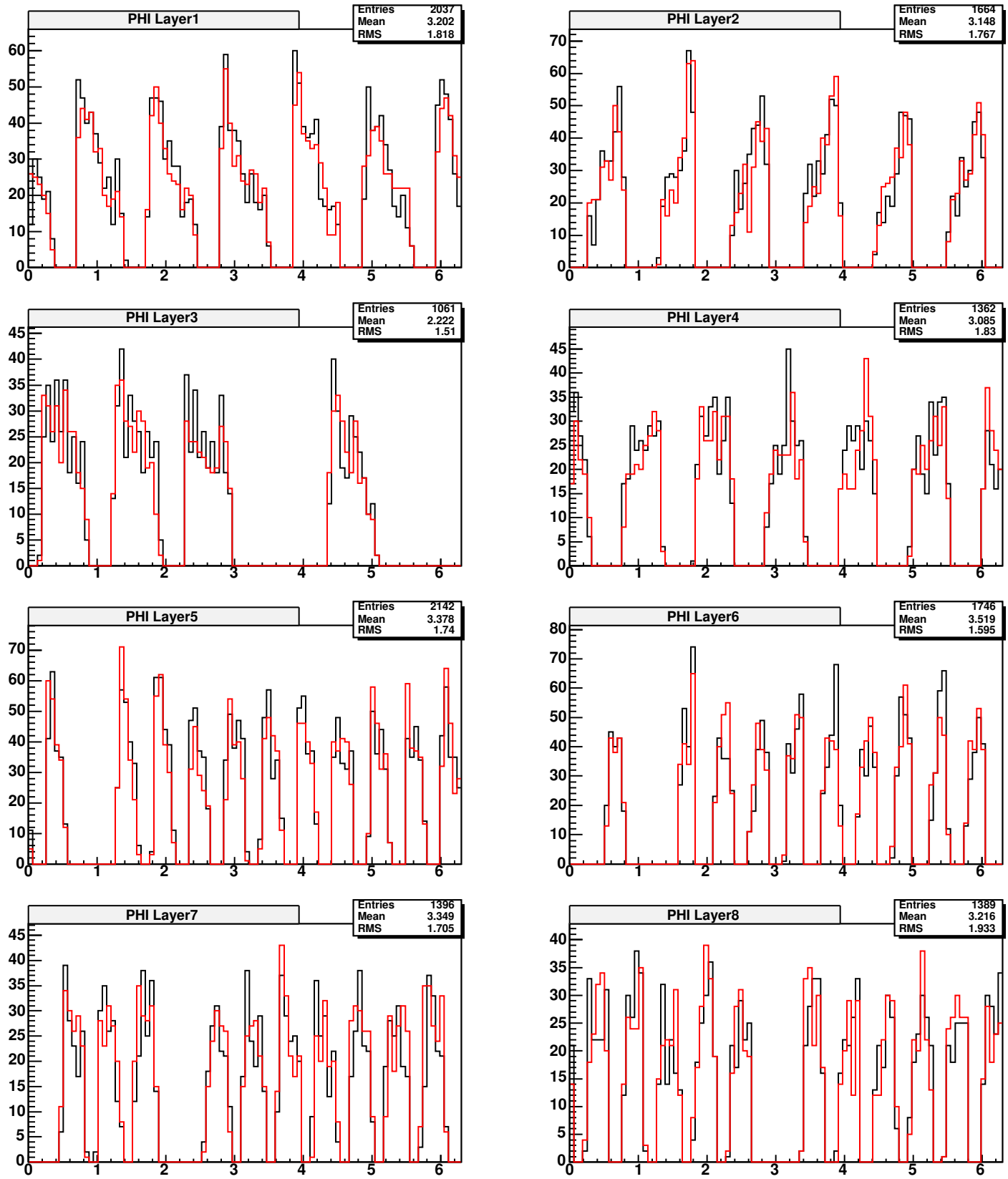

PHI HDisk All
Entries 22437
Mean 3.159
RMS 1.843
450
400
350
300
250
200
150
100
50
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)



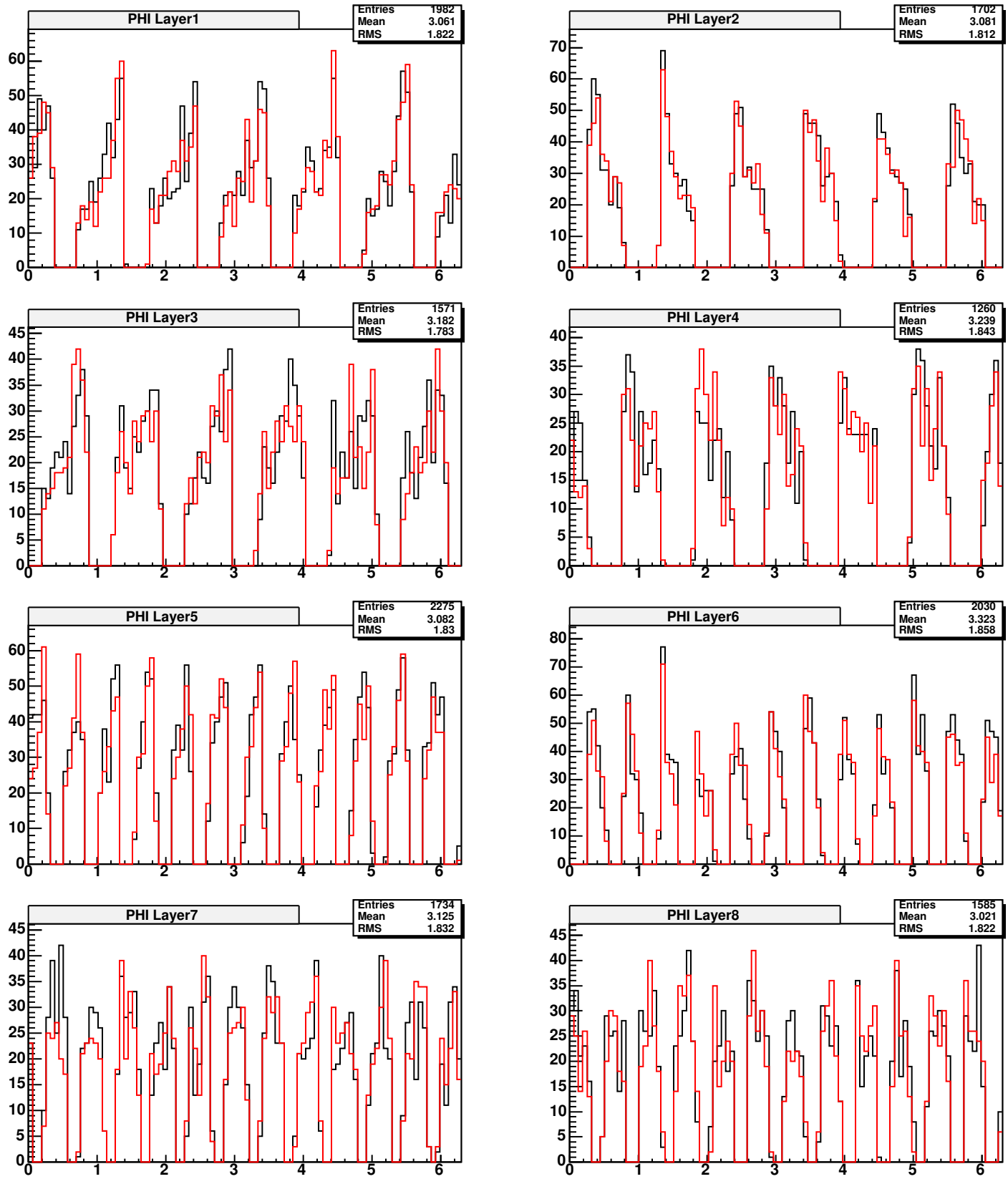
SmtClusters (ClustrBar1)



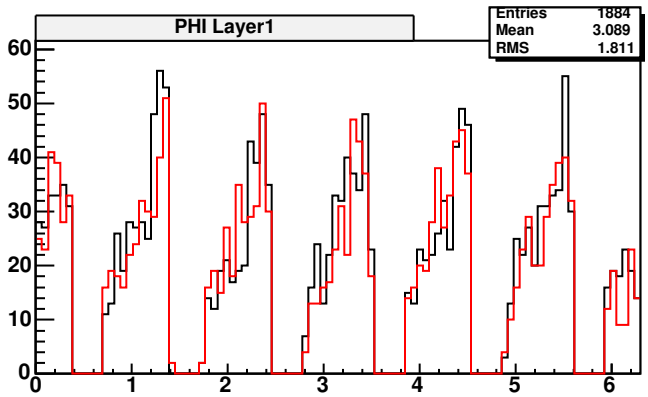
SmtClusters (ClustrBar2)

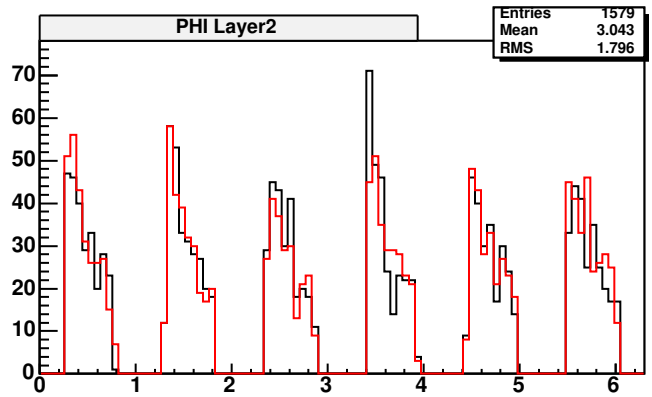


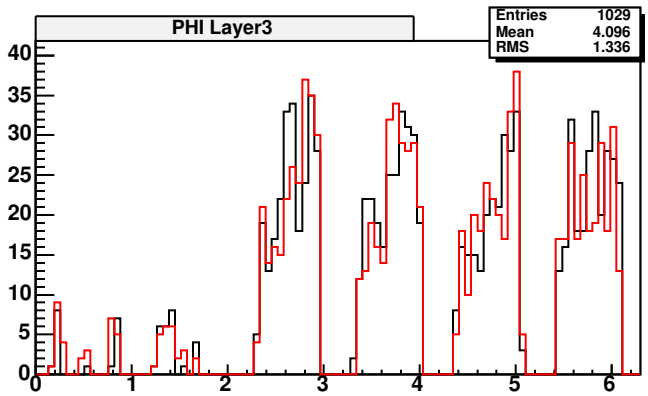
SmtClusters (ClustrBar3)

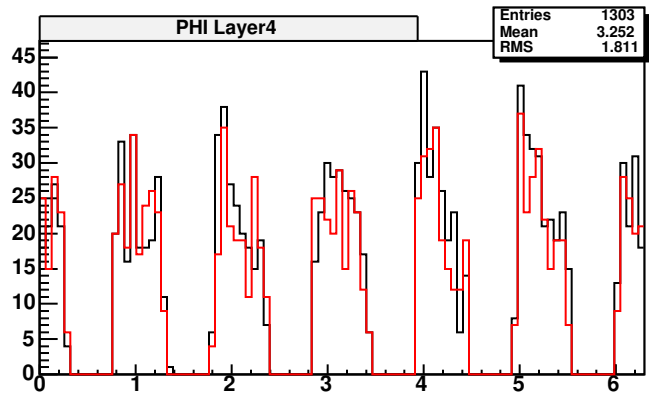


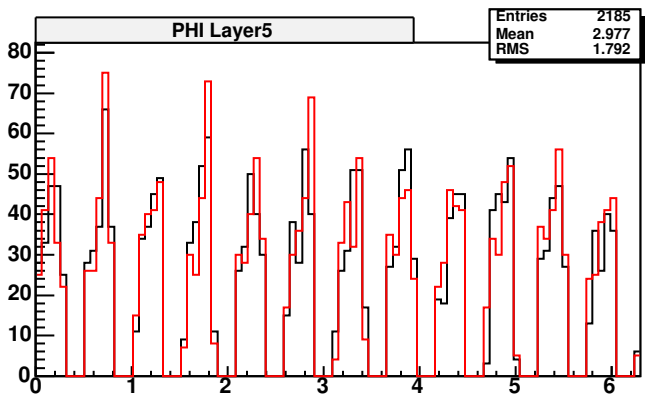
SmtClusters (ClustrBar4)

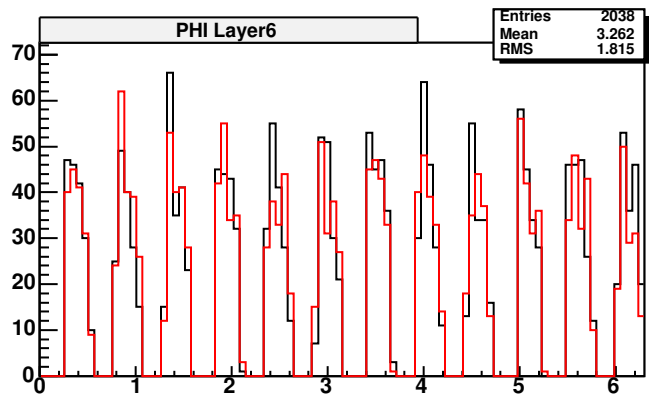


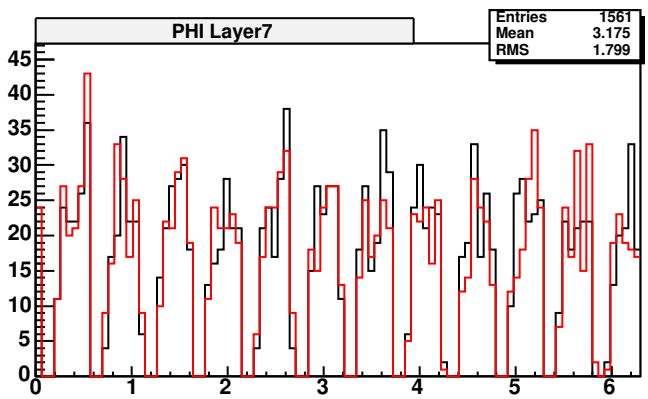


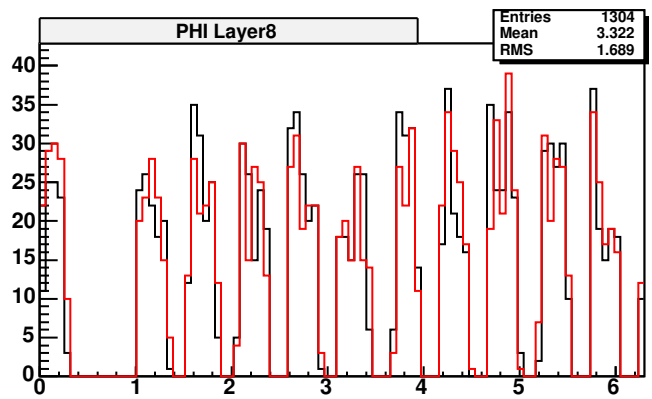




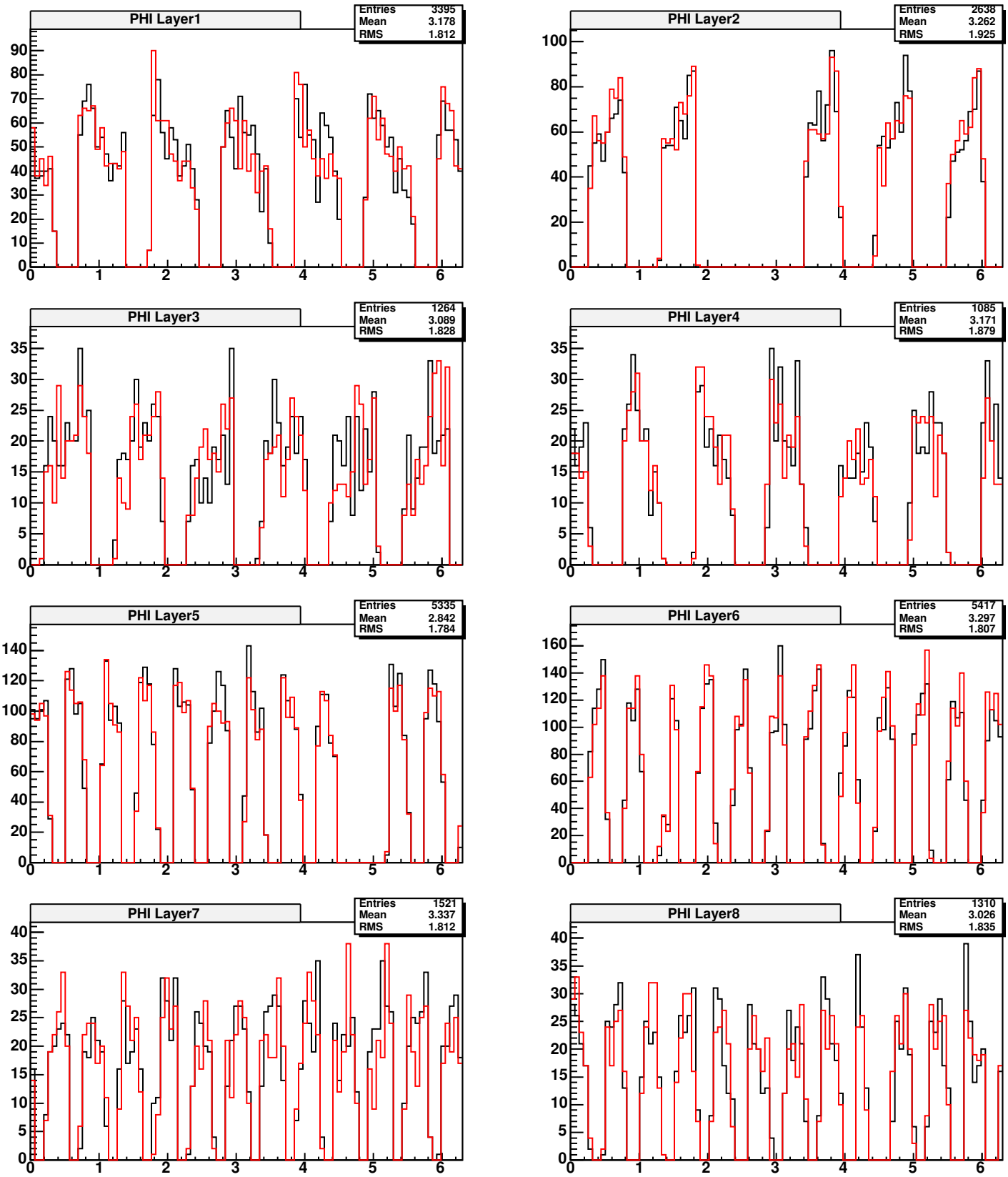




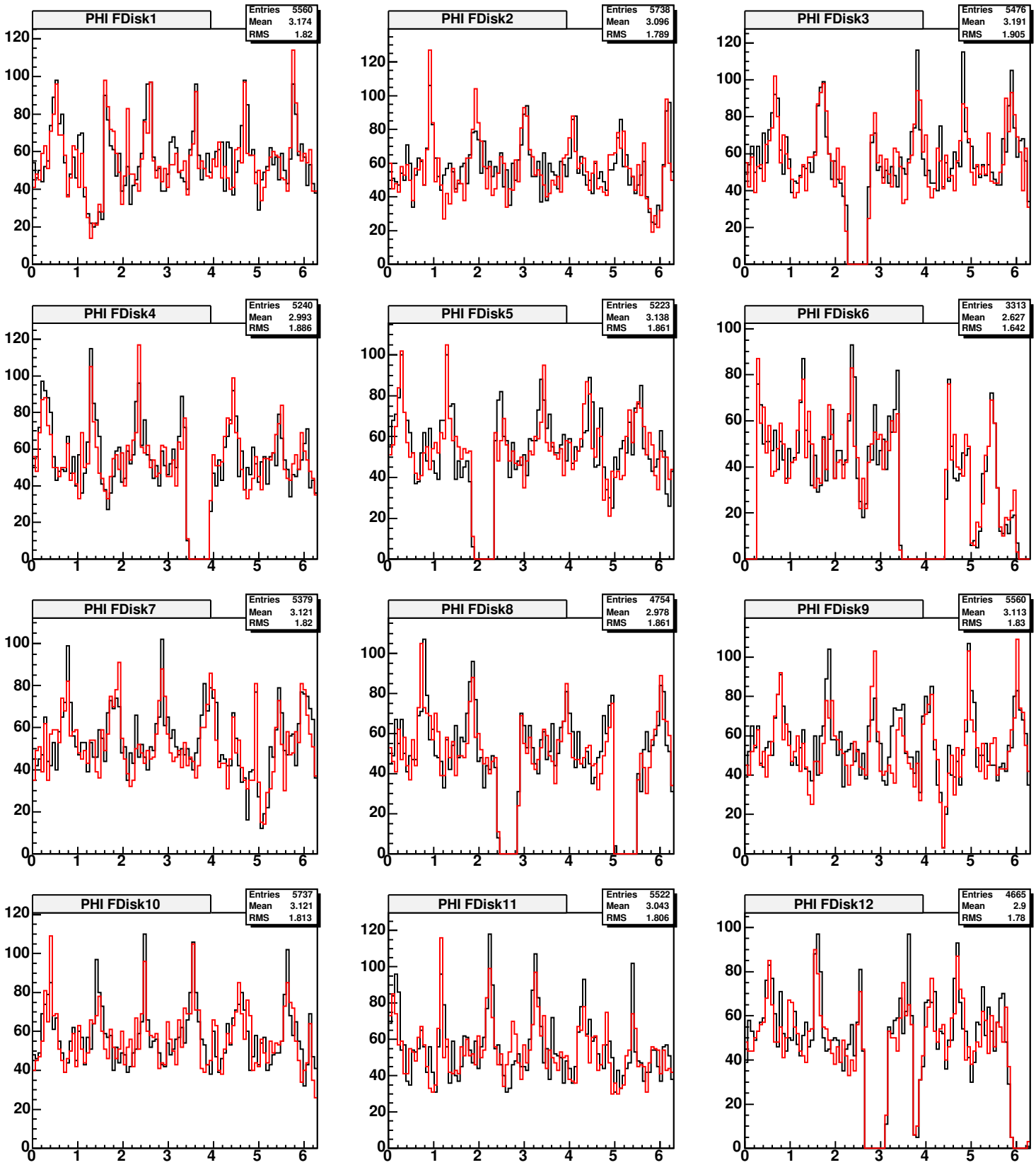




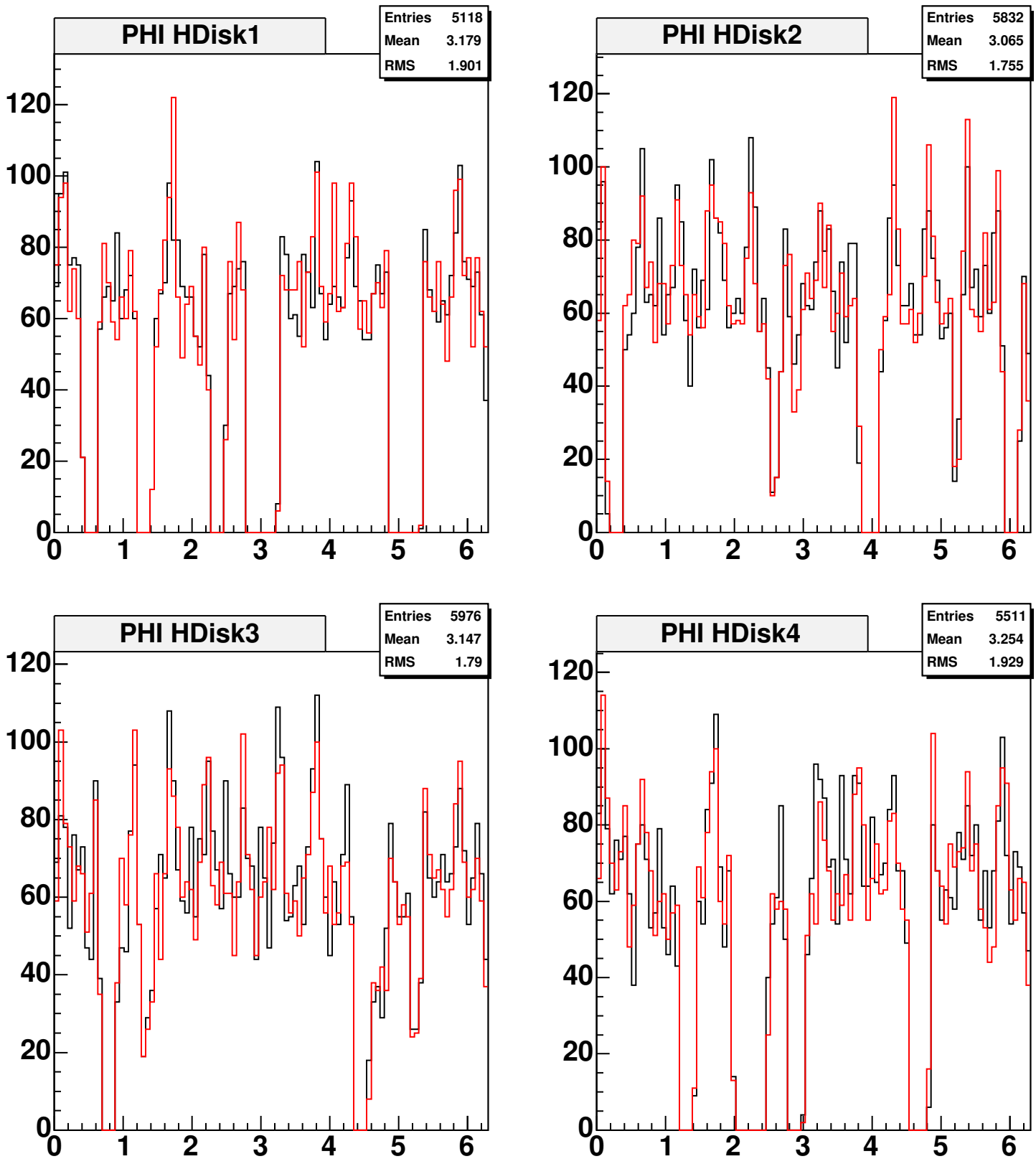
SmtClusters (ClustrBar5)

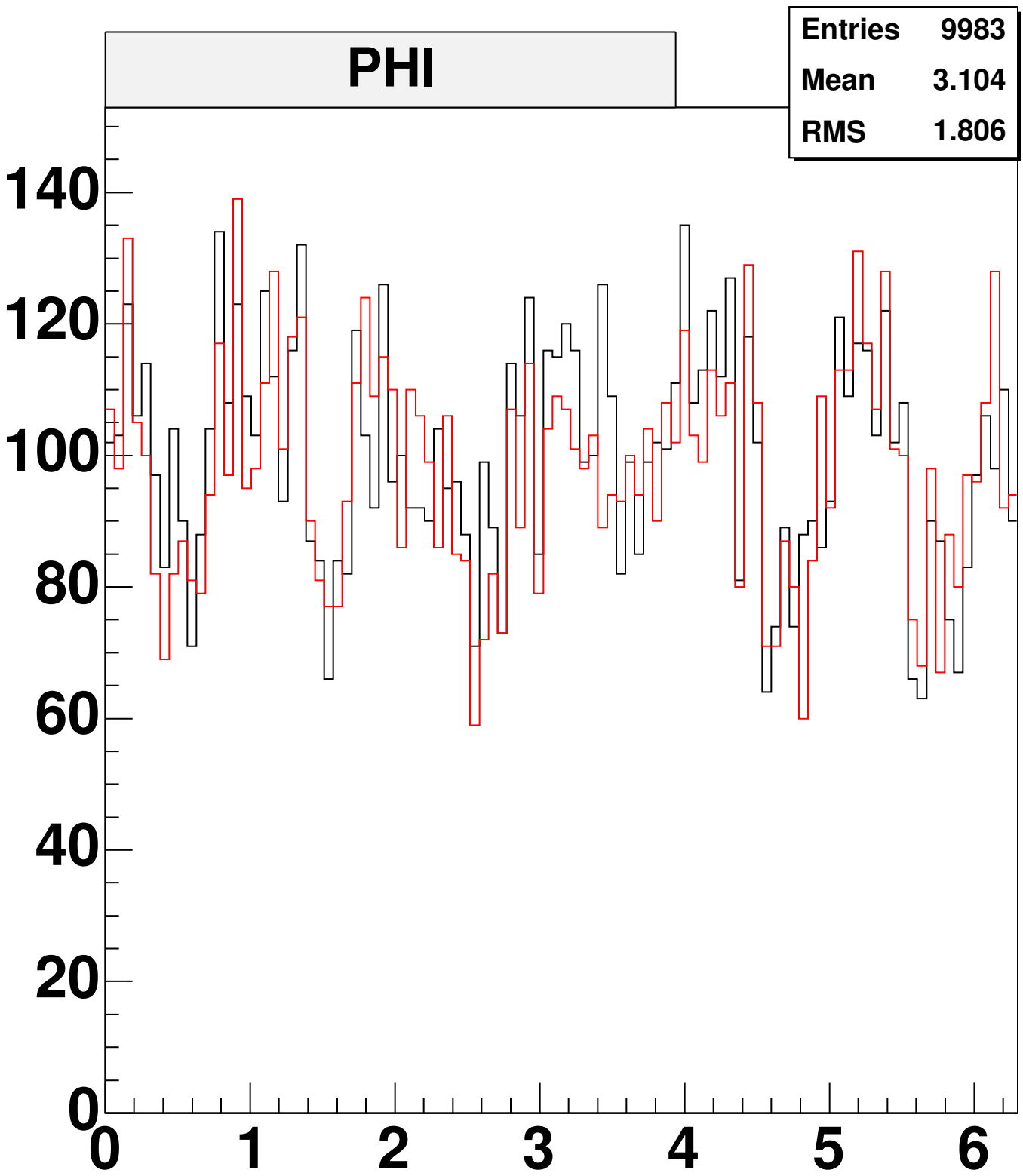


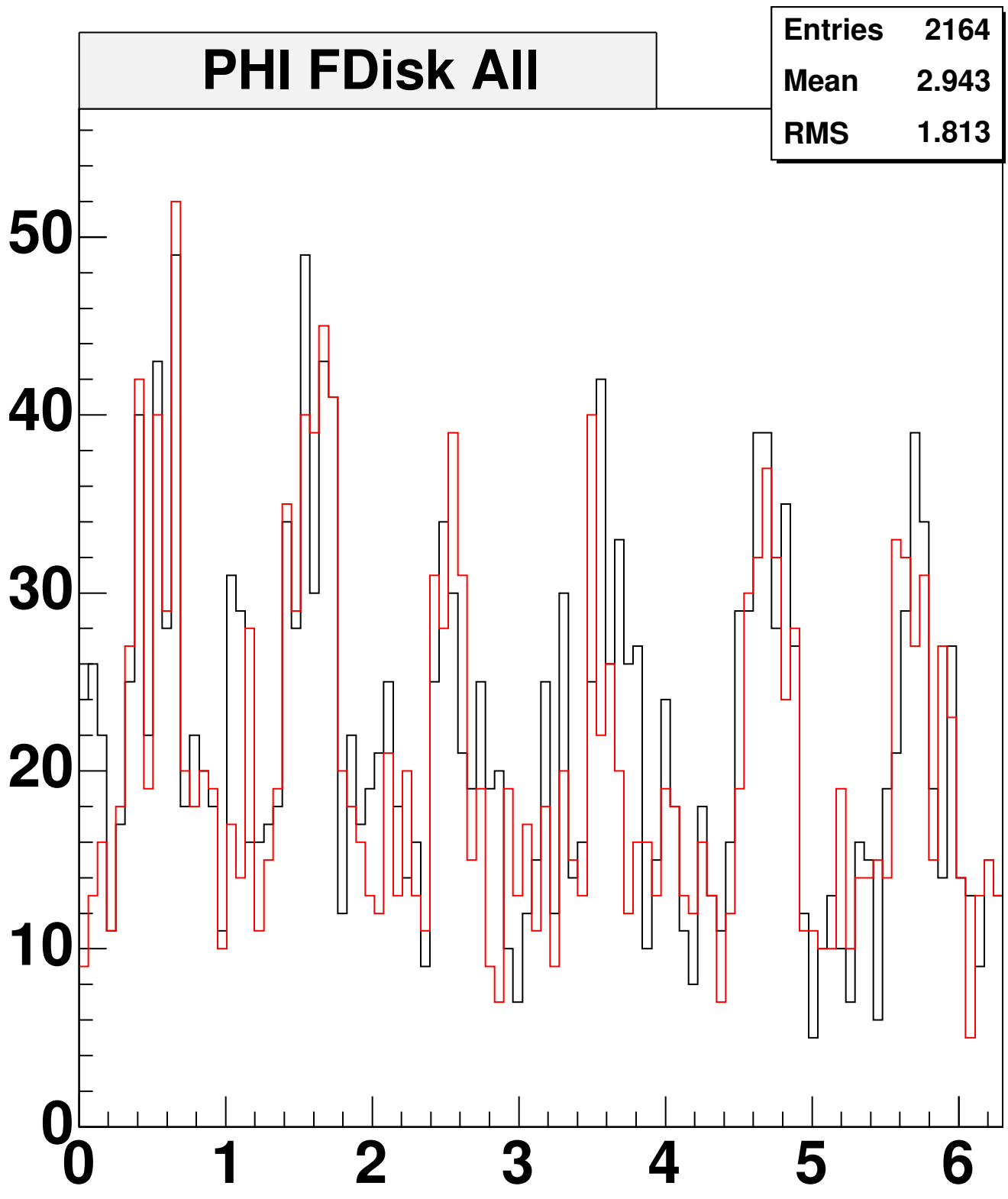
SmtClusters (ClustrBar6)

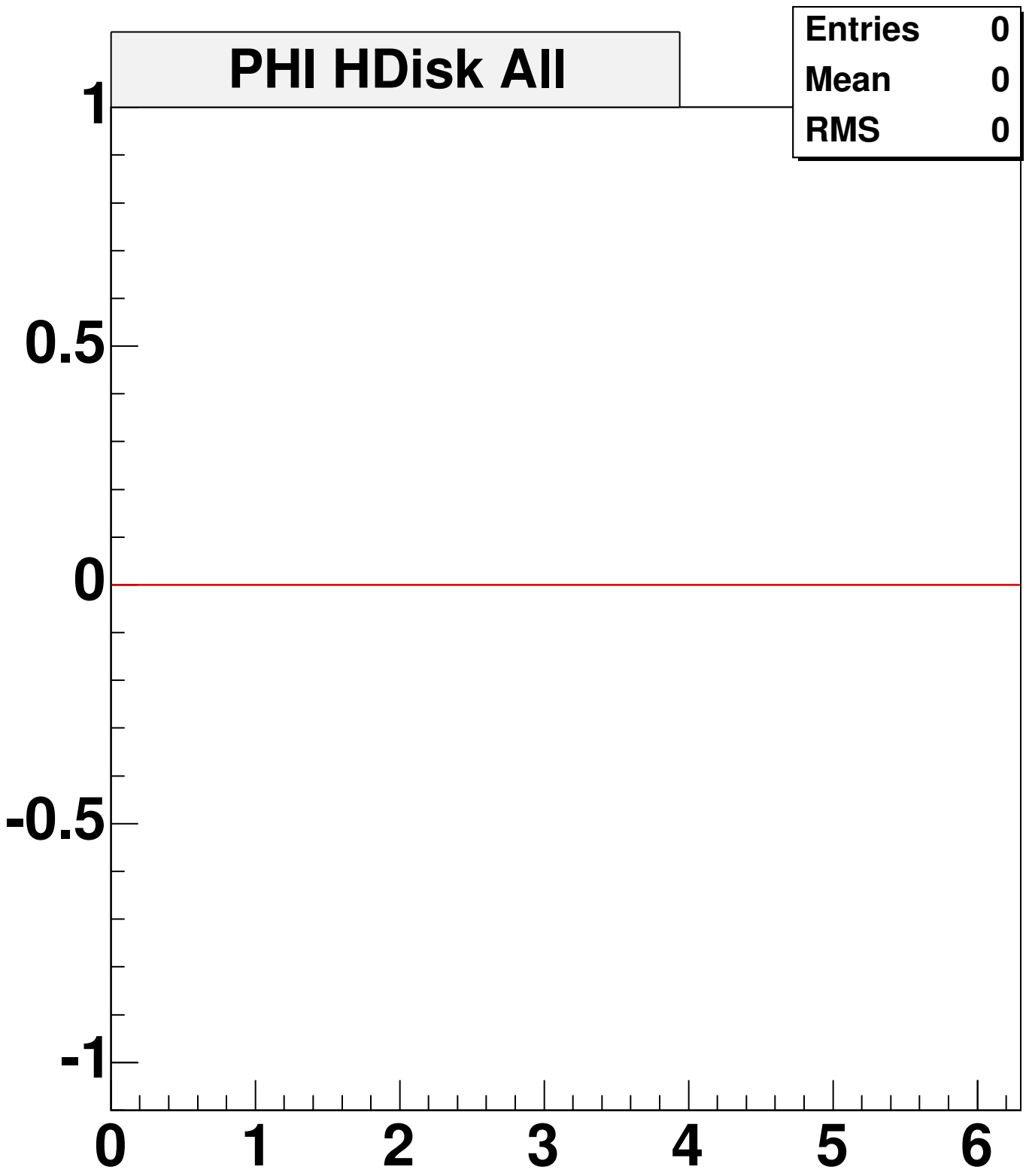


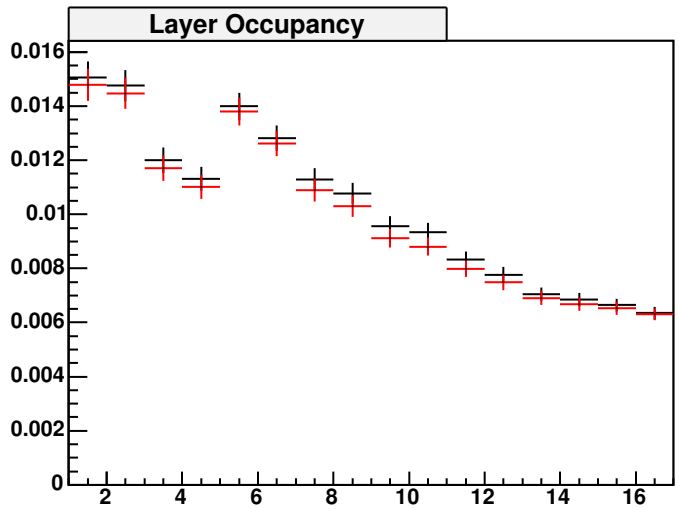
SmtClusters (FDiskClusters)

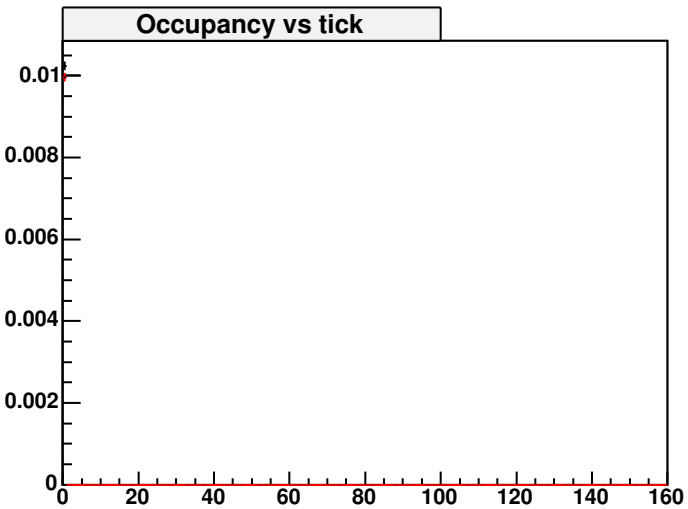

PHI HDisk1
Entries 5118
Mean 3.179
RMS 1.901
PHI HDisk2
Entries 5832
Mean 3.065
RMS 1.755
PHI HDisk3
Entries 5976
Mean 3.147
RMS 1.79
PHI HDisk4
Entries 5511
Mean 3.254
RMS 1.929
SmtClusters (HDiskClusters)

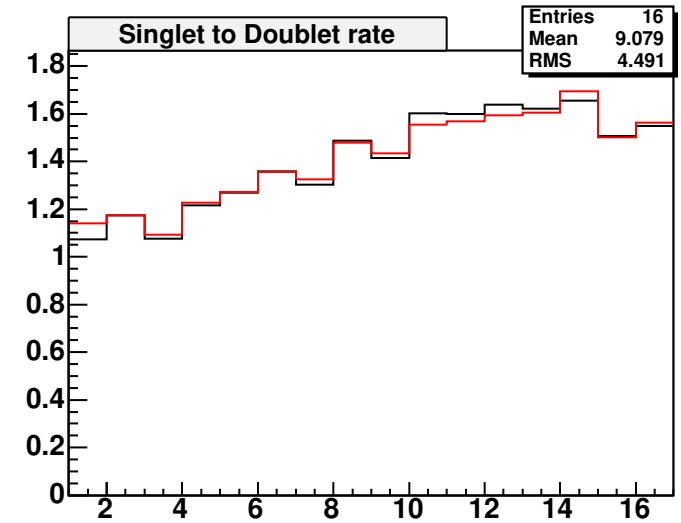

PHI
Entries 9983
Mean 3.104
RMS 1.806
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)

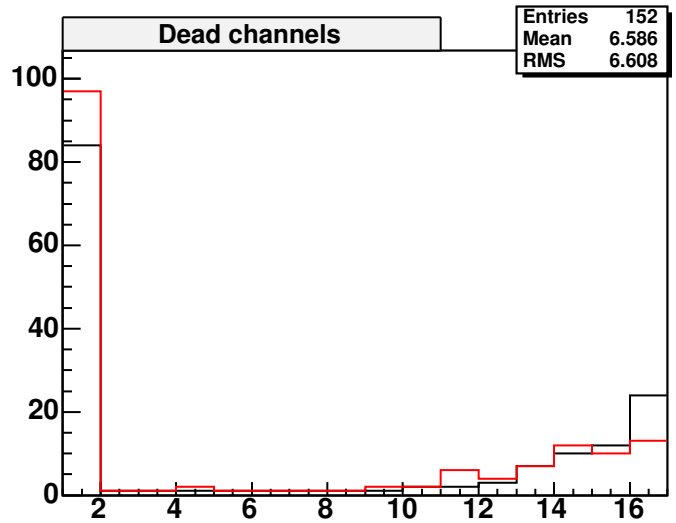

PHI FDisk All
Entries 2164
Mean 2.943
RMS 1.813
50
40
30
20
10
0
0
1
2
3
4
5
6
SmtClusters (allFDiskTClusters)

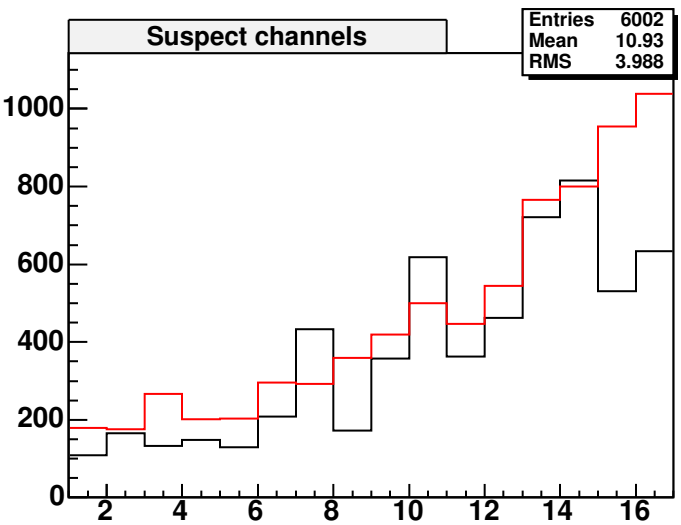

PHI HDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allHDiskTClusters)

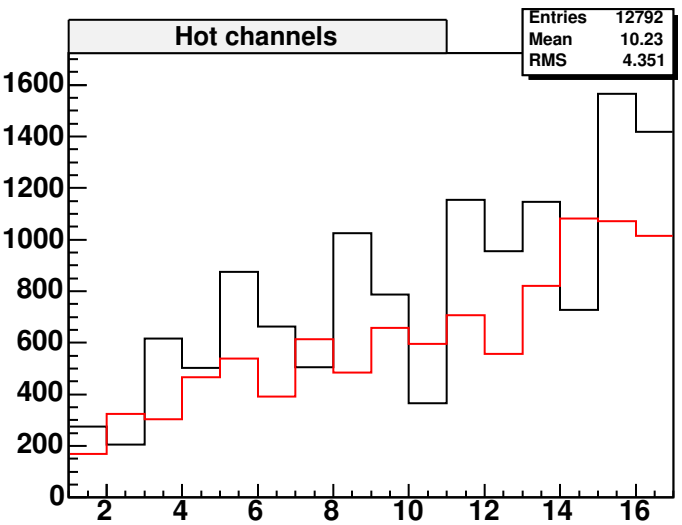




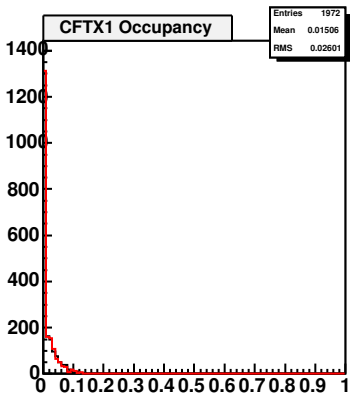


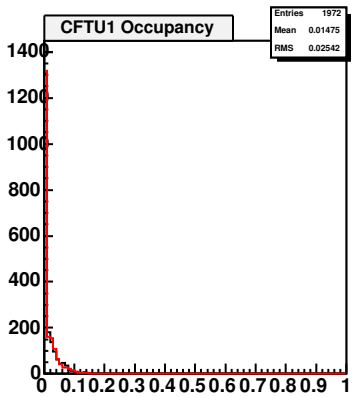


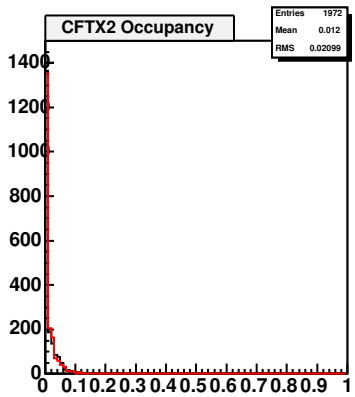


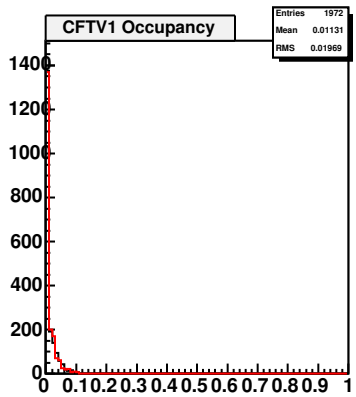


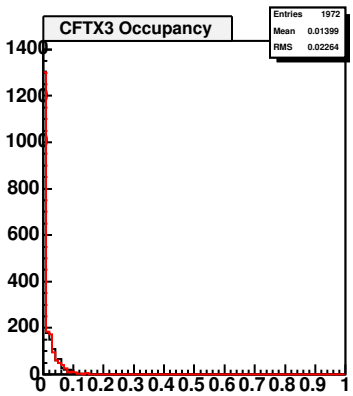
CFT Summary (All Clusters)

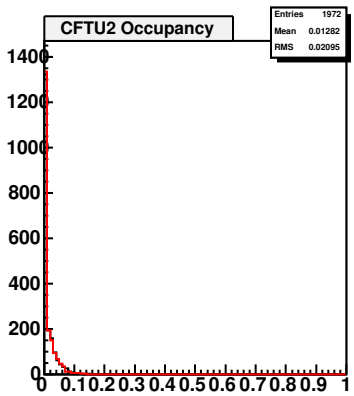


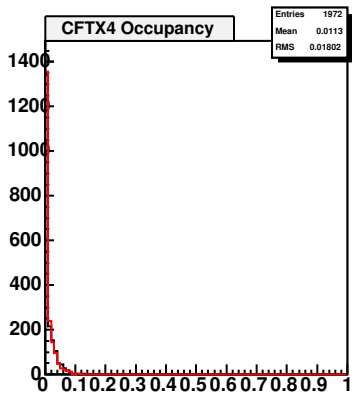


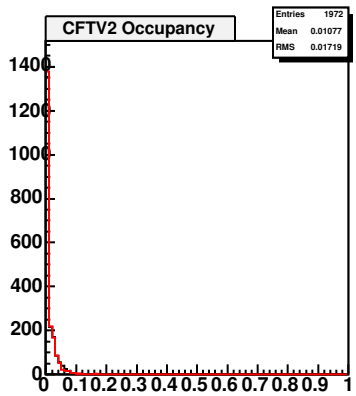


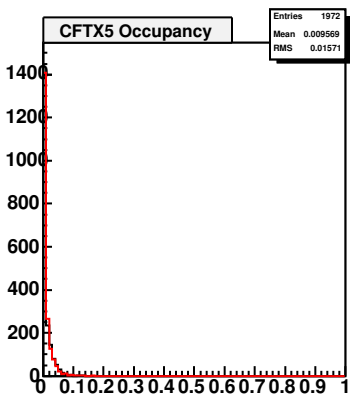


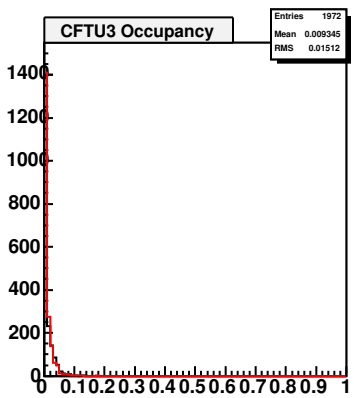


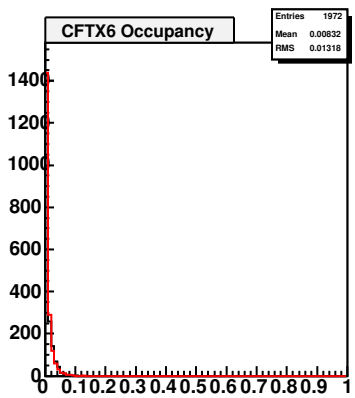


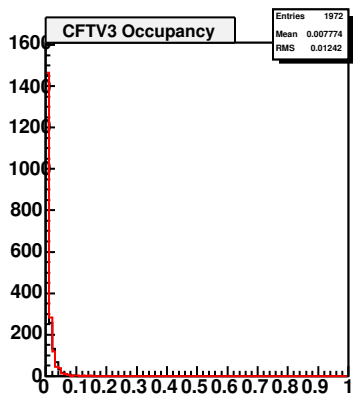


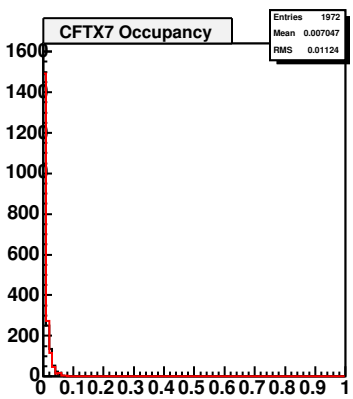


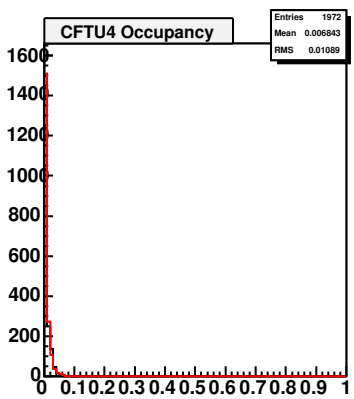


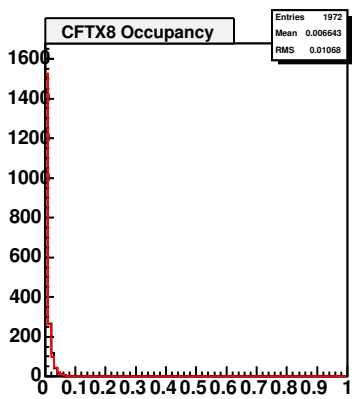


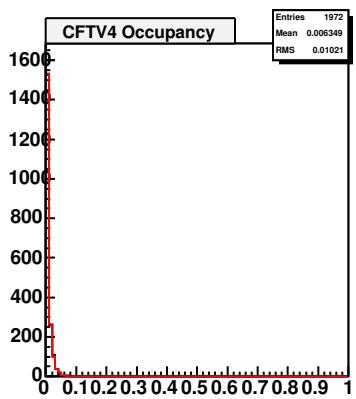




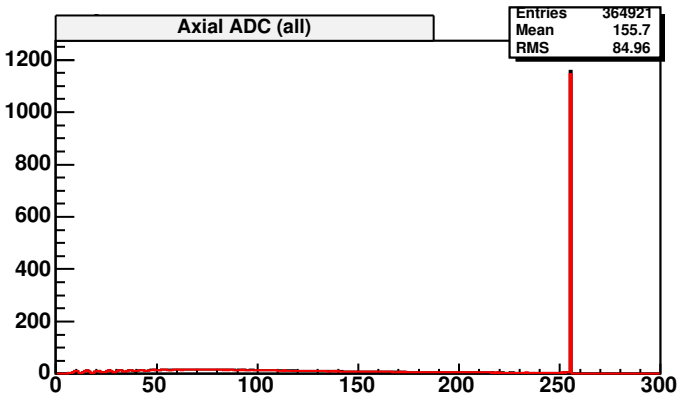


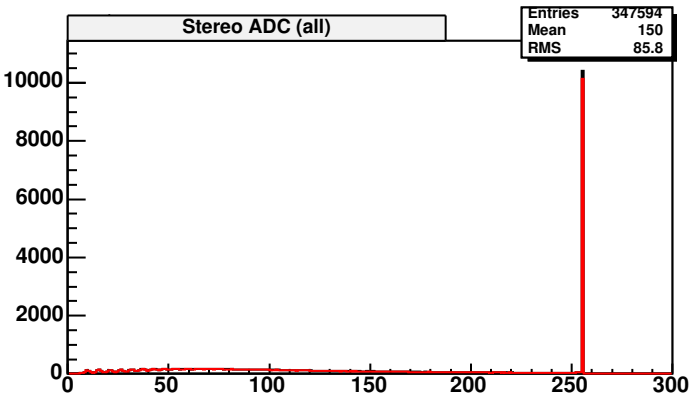


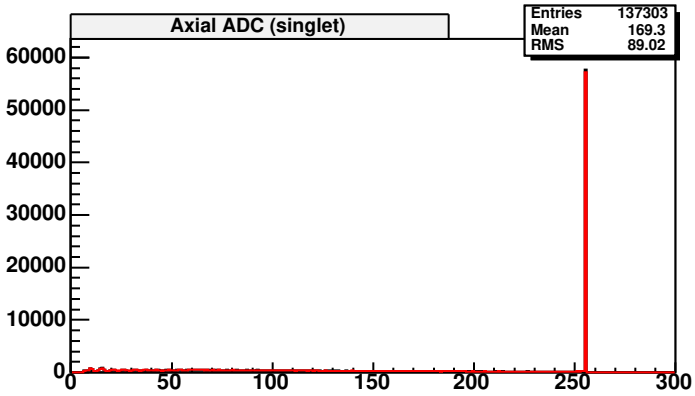


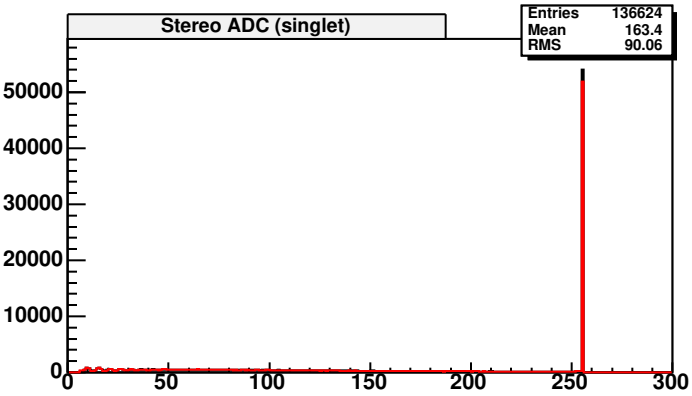


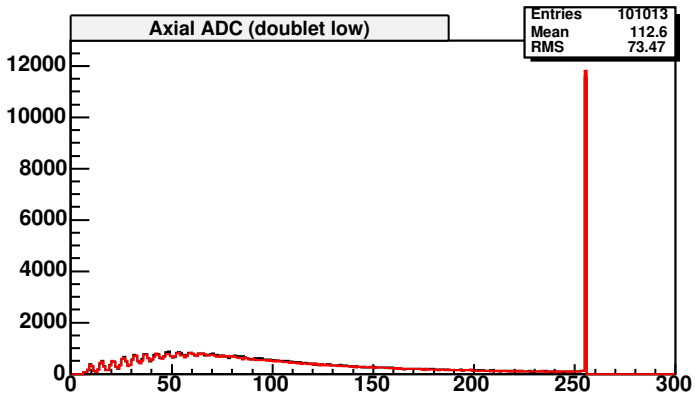
Cft Occupancy (All Clusters)

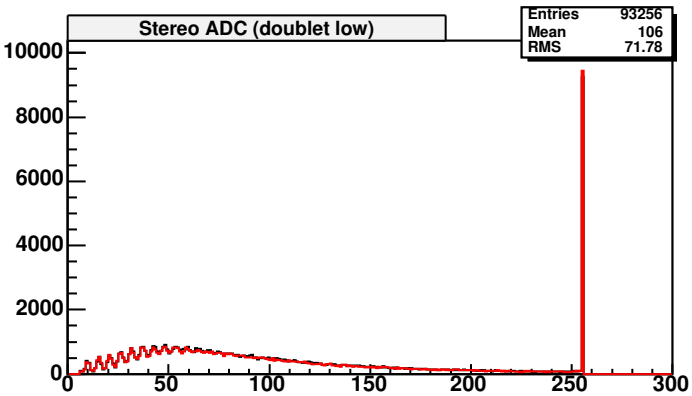


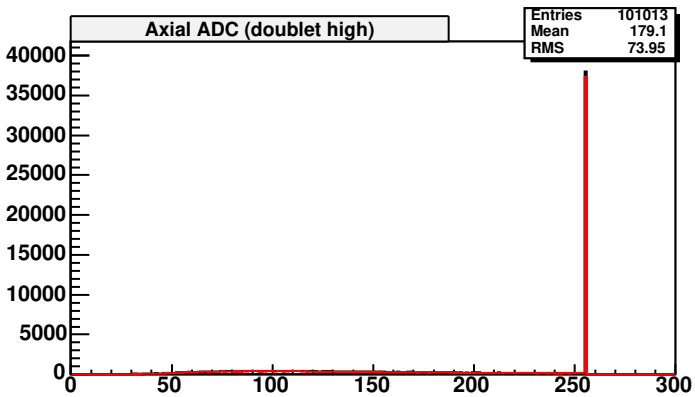


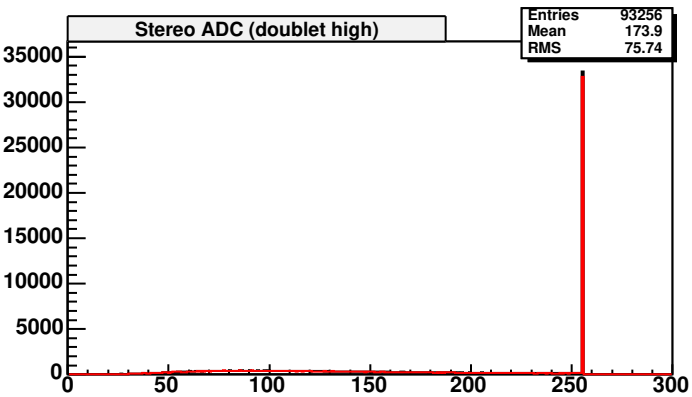




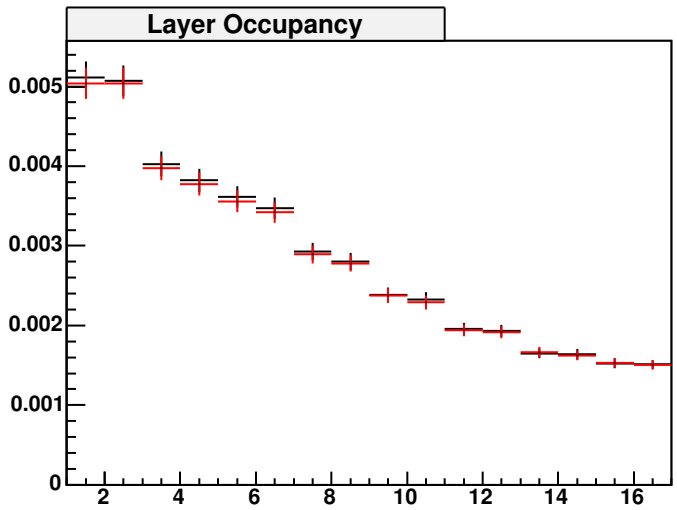


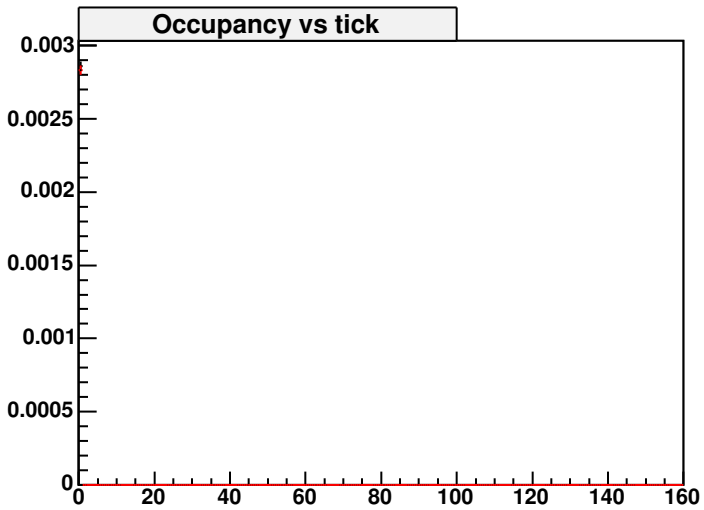


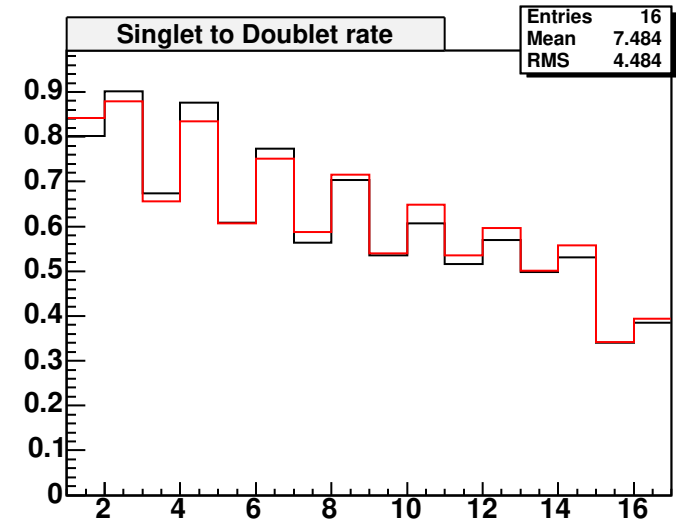


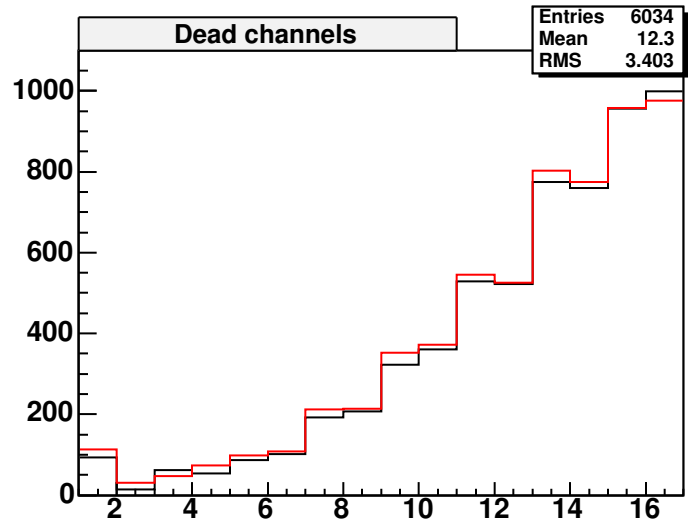


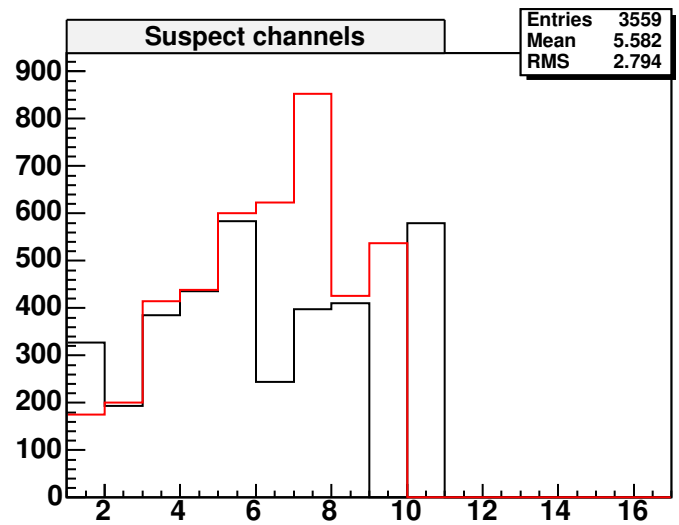
CFT ADC Summary (All Clusters)

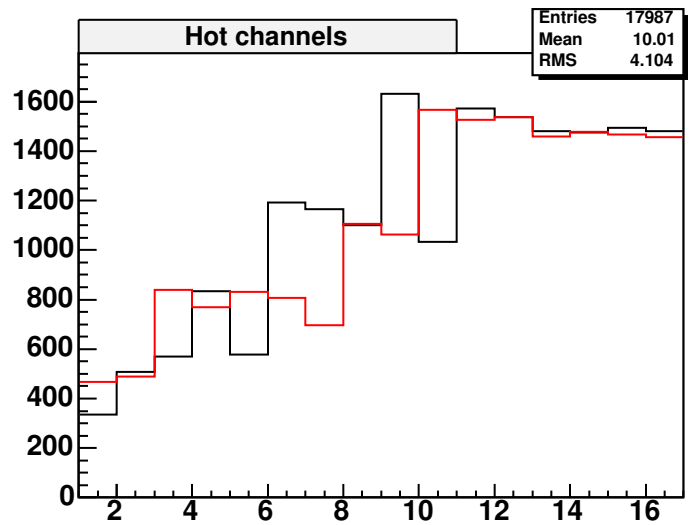




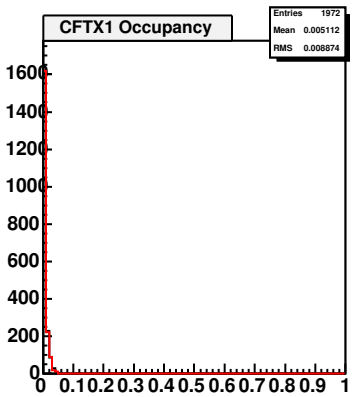


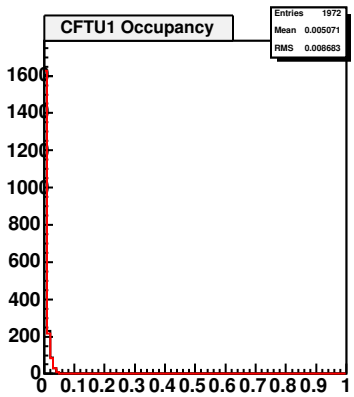


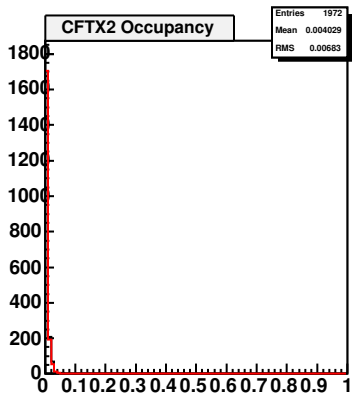


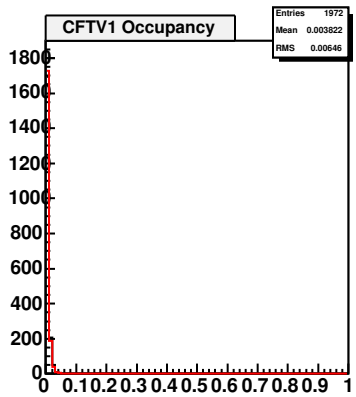


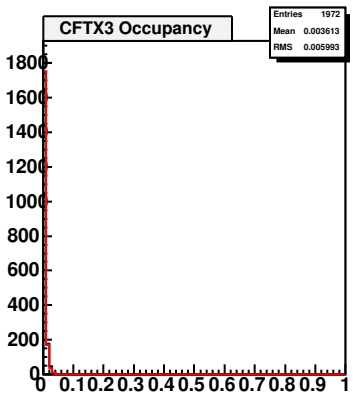
CFT Summary (Clusters on tracks)

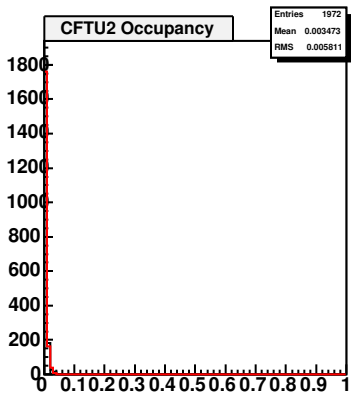


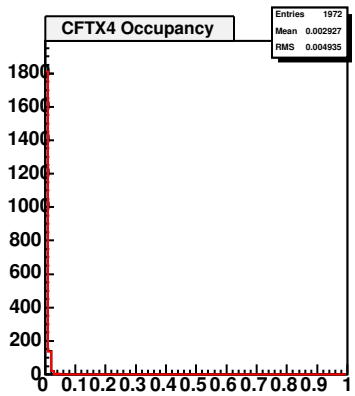


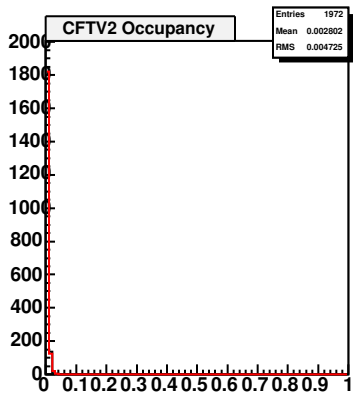


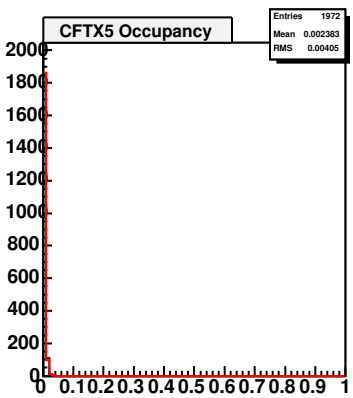


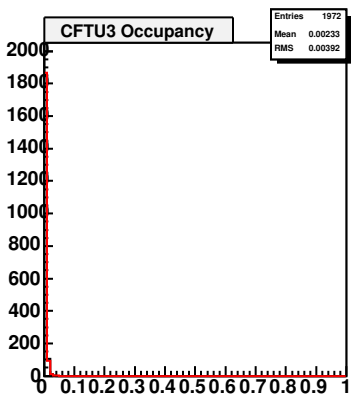


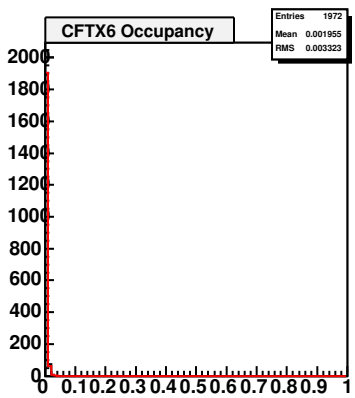


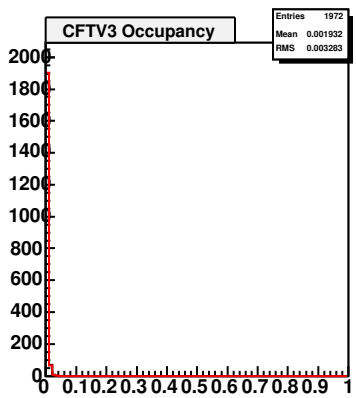


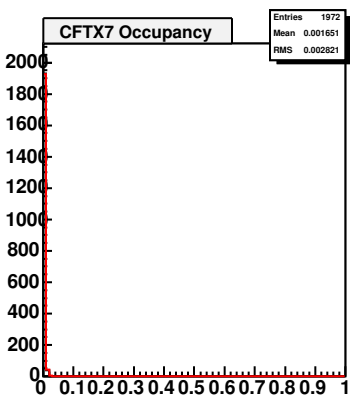


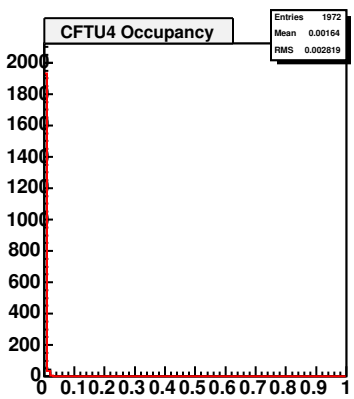


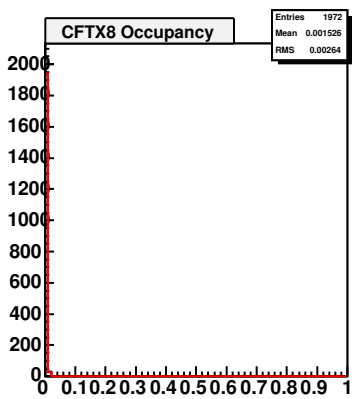


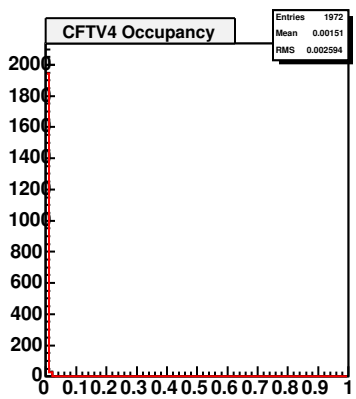




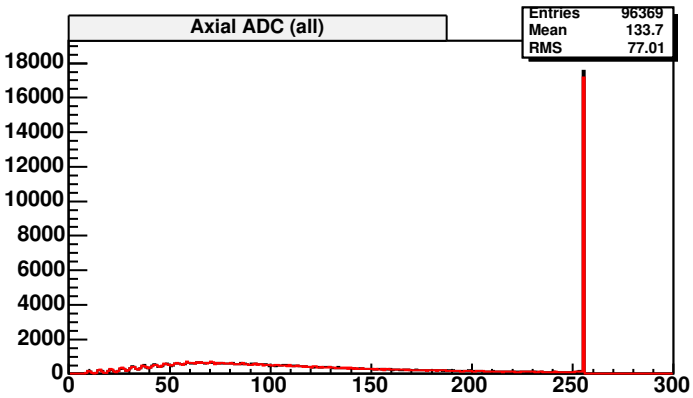


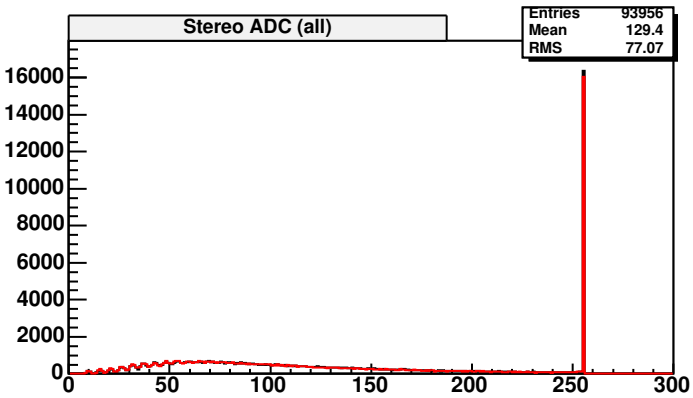


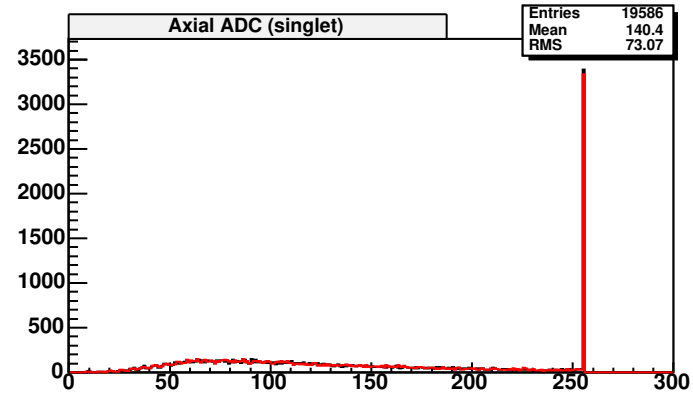


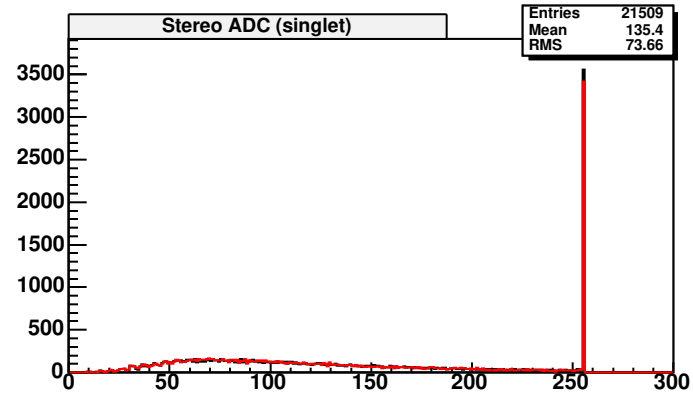


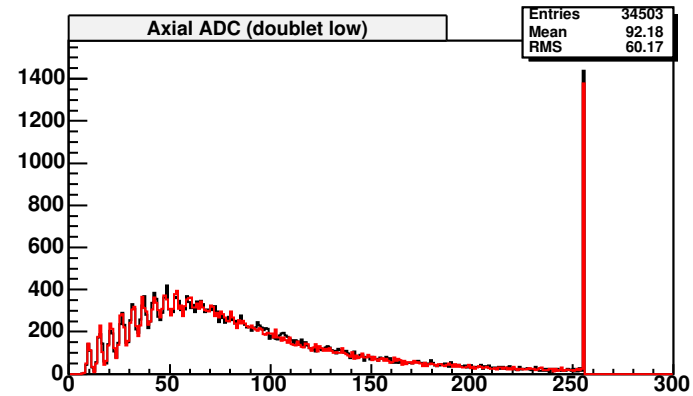
Cft Occupancy (Clusters on tracks)

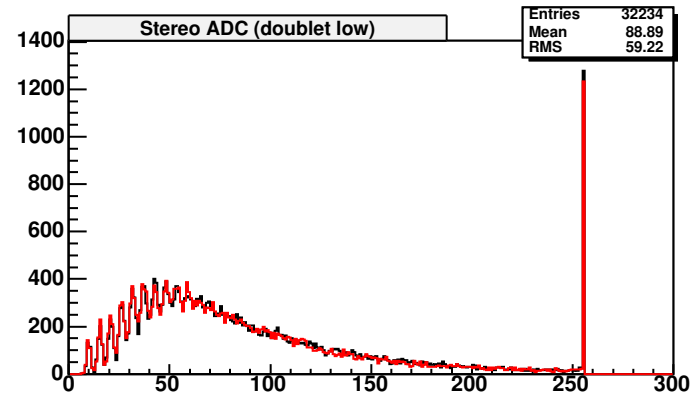


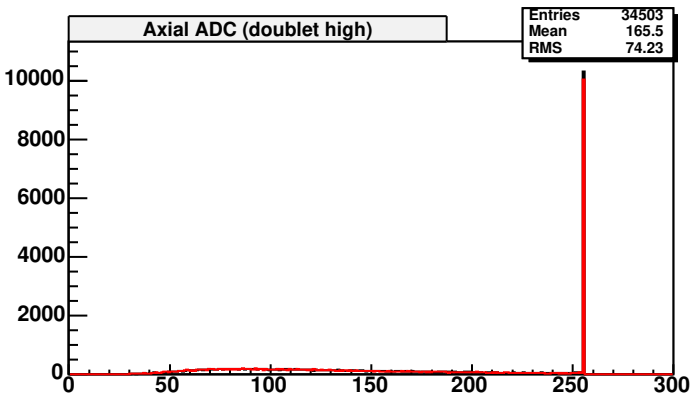


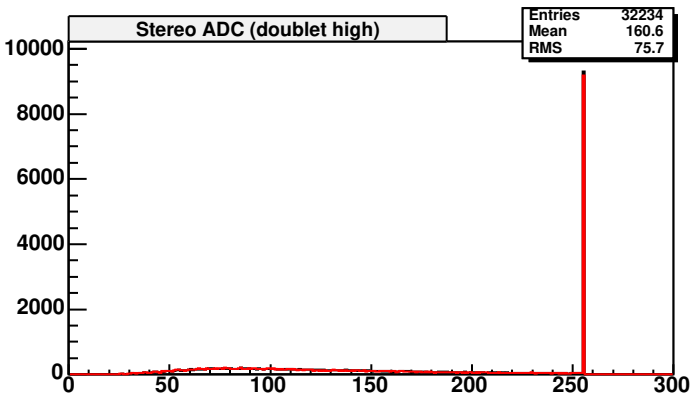




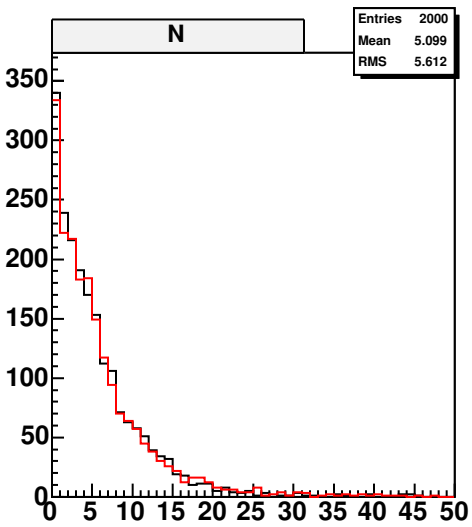


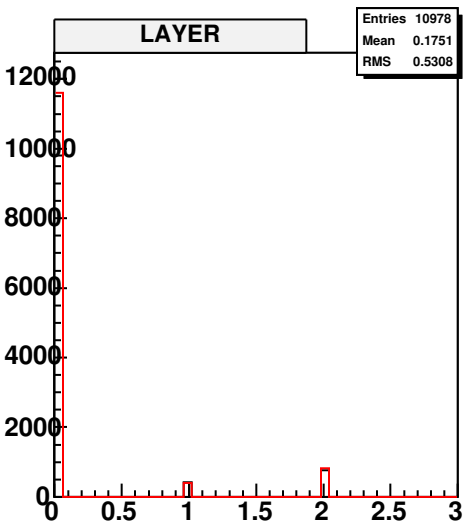


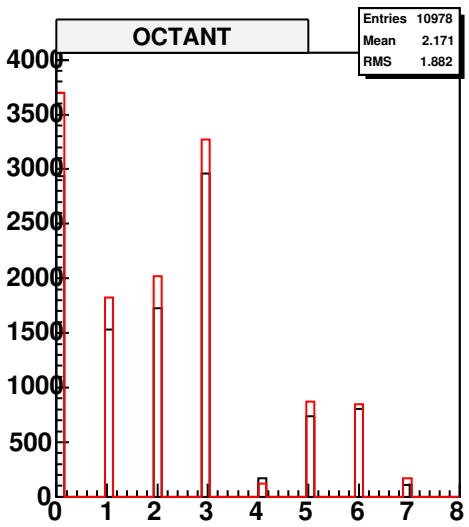


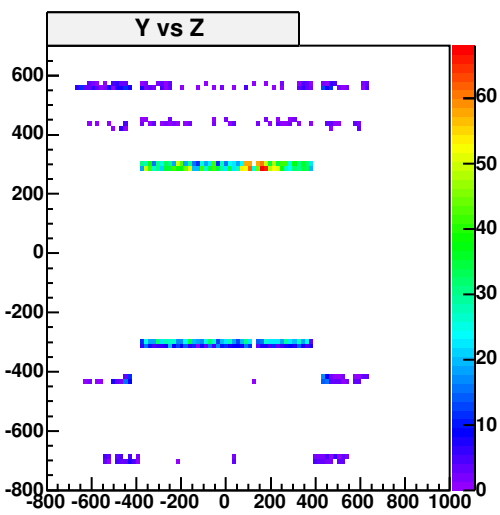


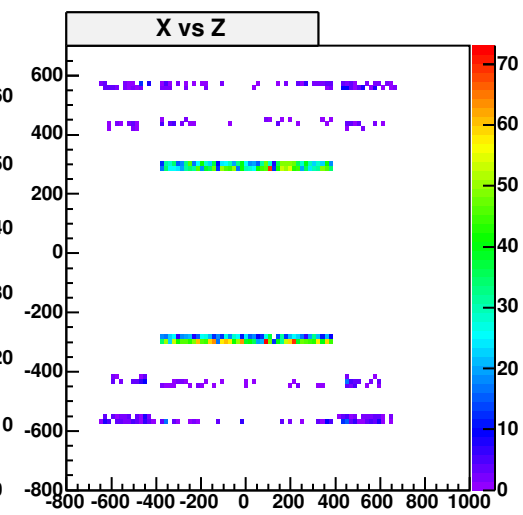
CFT ADC Summary (Clusters on tracks)

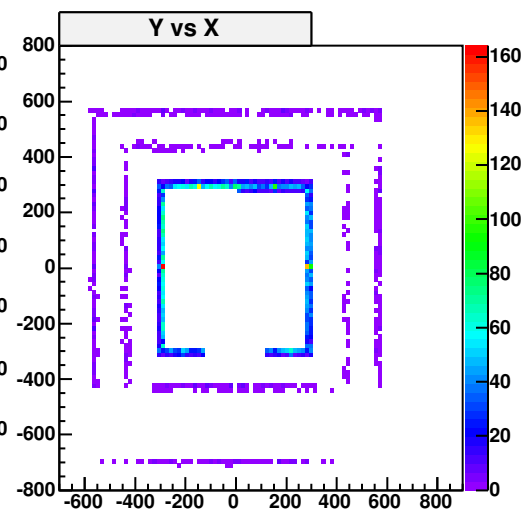

N
Entries 2000
Mean 5.099
RMS 5.612

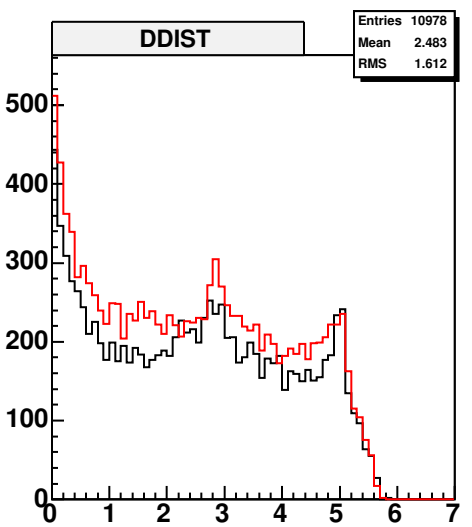

LAYER
Entries 10978
Mean 0.1751
RMS 0.5308


OCTANT
Entries 10978
Mean 2.171
RMS 1.882


Y vs Z


X vs Z


Y vs X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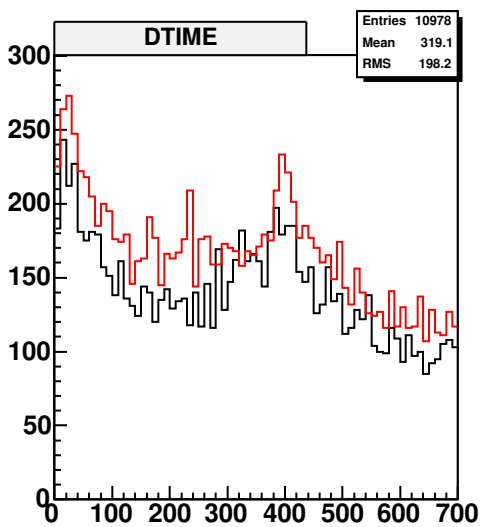
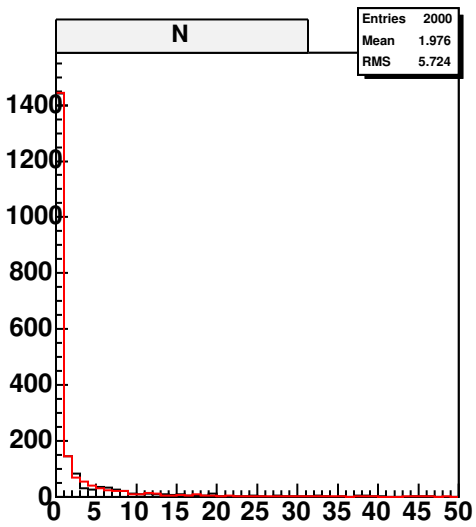
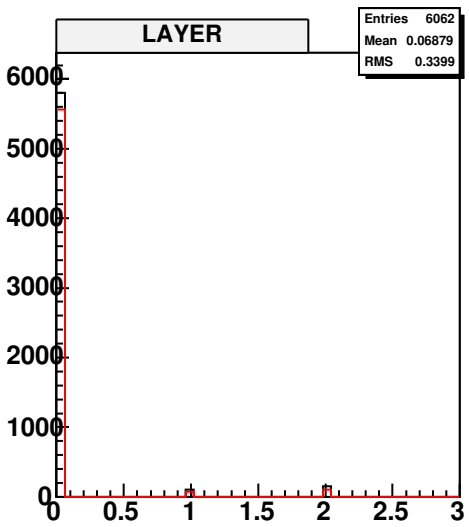
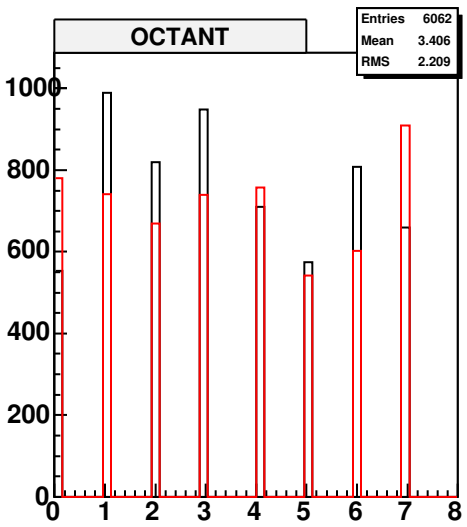
Entries 10978
Mean 2.483
RMS 1.612

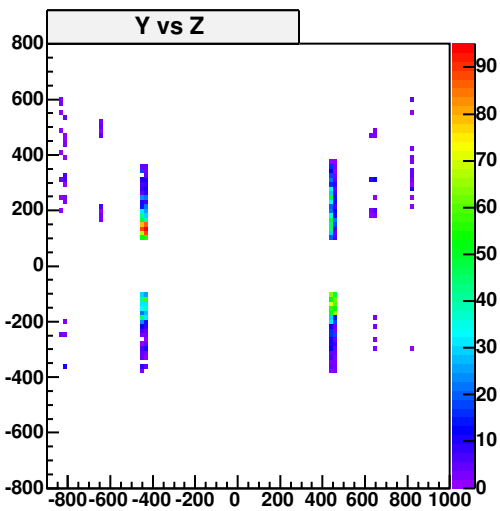

DTIME
Entries 10978
Mean 319.1
RMS 198.2

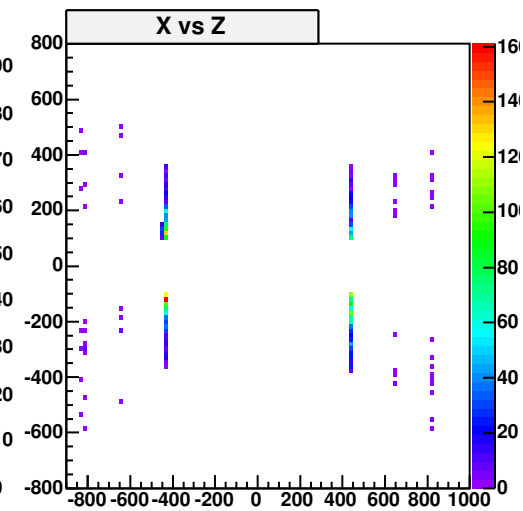
MuonPDT (All)

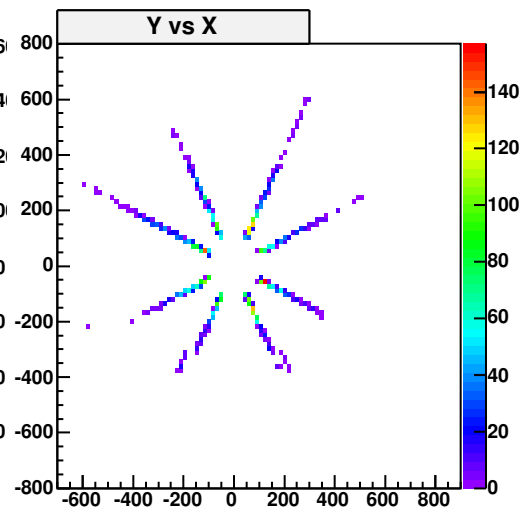

N
Entries 2000
Mean 1.976
RMS 5.724

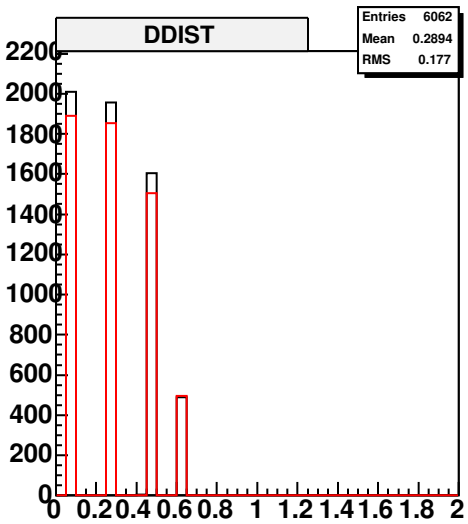

LAYER
Entries 6062
Mean 0.06879
RMS 0.3399

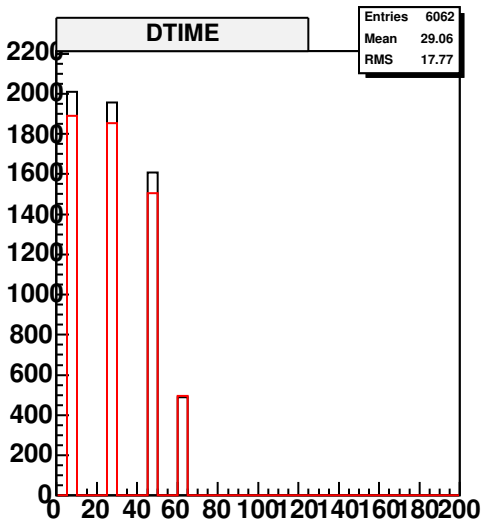

OCTANT
Entries 6062
Mean 3.406
RMS 2.209


Y vs Z

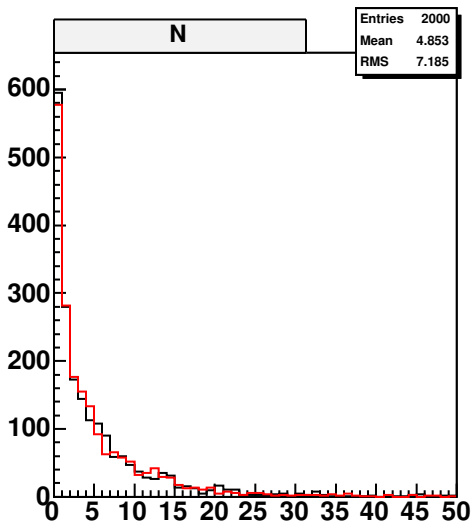

X vs Z

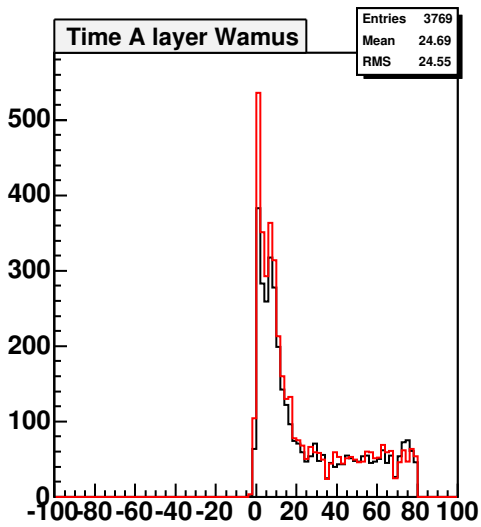

Y vs X

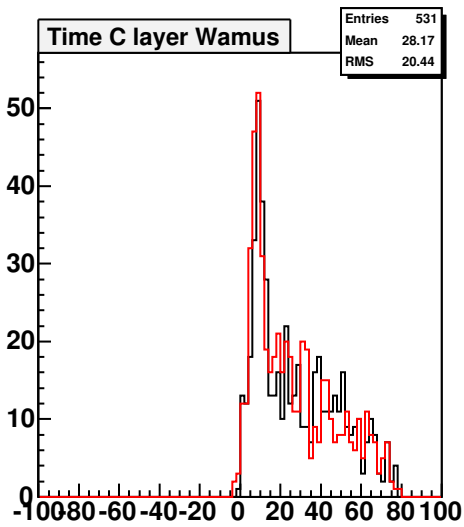

DDIST
Entries 6062
Mean 0.2894
RMS 0.177

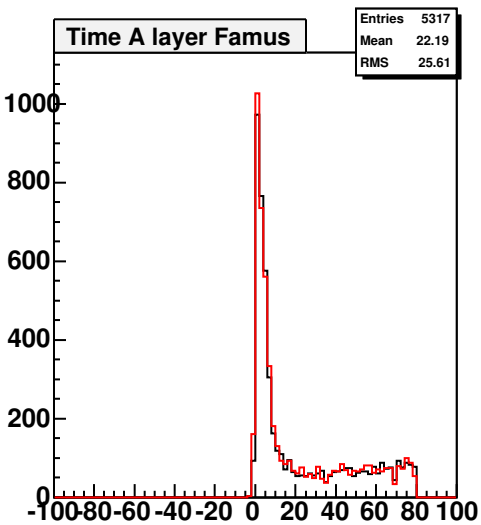

DTIME
Entries 6062
Mean 29.06
RMS 17.77

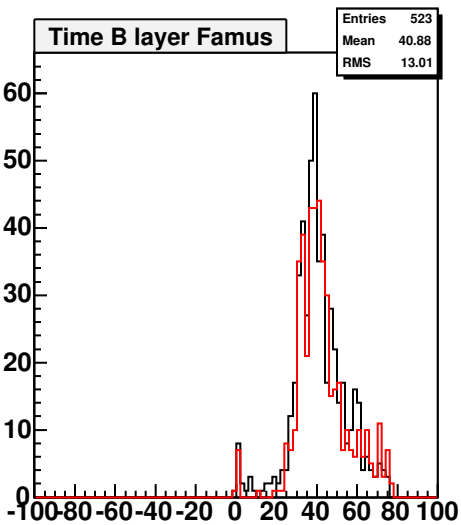
MuonMDT (All)

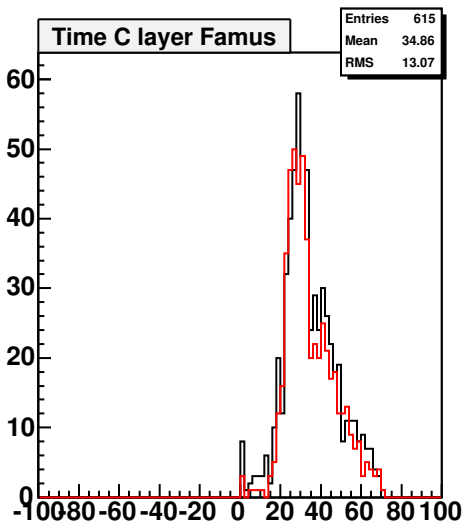

N
Entries 2000
Mean 4.853
RMS 7.185

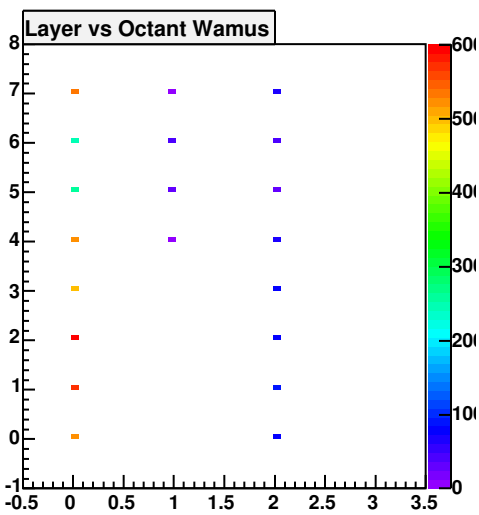

Time A layer Wamus
Entries 3769
Mean 24.69
RMS 24.55

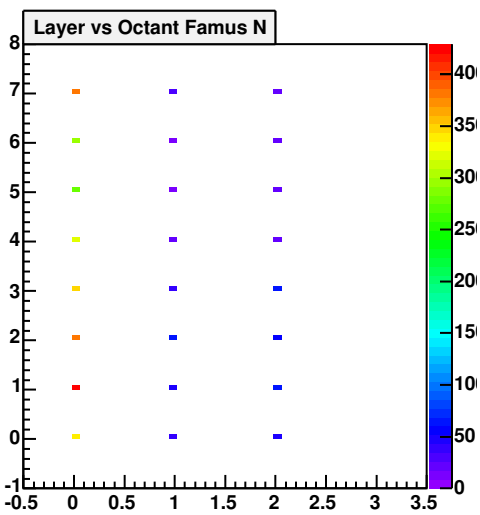

Time C layer Wamus
Entries 531
Mean 28.17
RMS 20.44

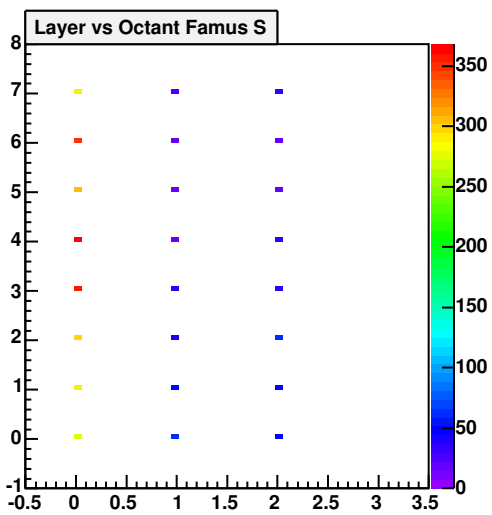

Time A layer Famus
Entries 5317
Mean 22.19
RMS 25.61


Time B layer Famus
Entries 523
Mean 40.88
RMS 13.01

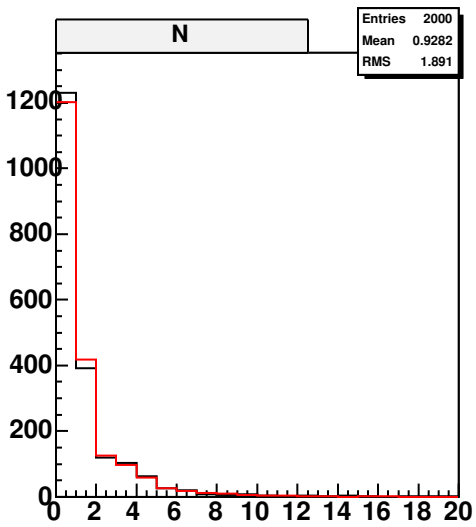

Time C layer Famus
Entries 615
Mean 34.86
RMS 13.07

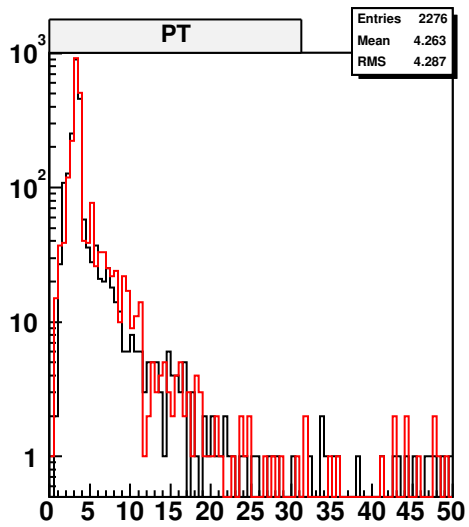

Layer vs Octant Wamus

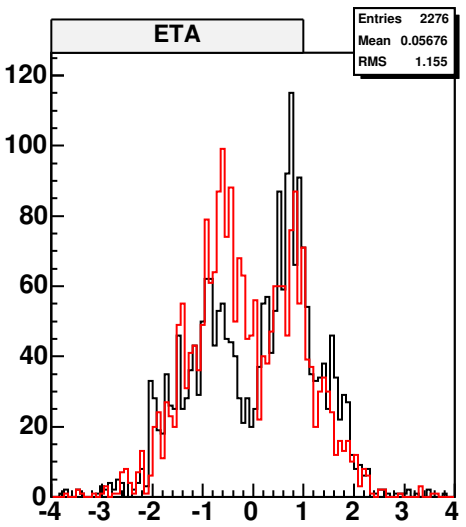

Layer vs Octant Famus N

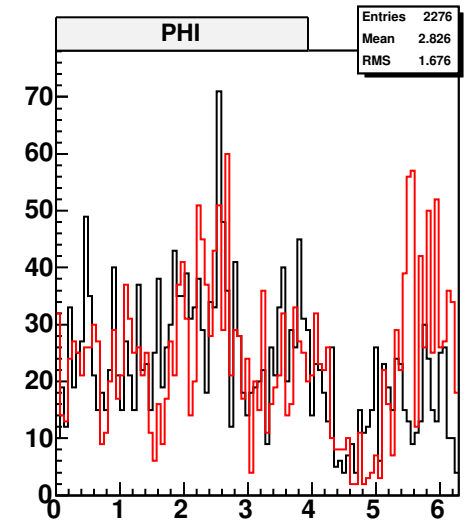

Layer vs Octant Famus S

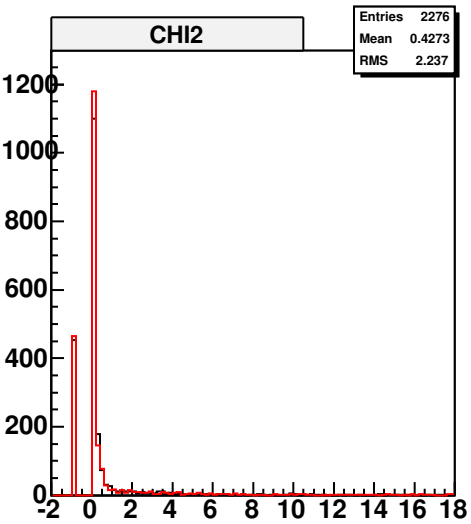
MuonMSC (All)

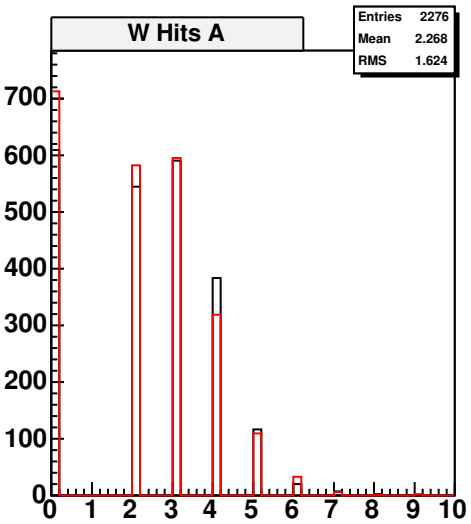


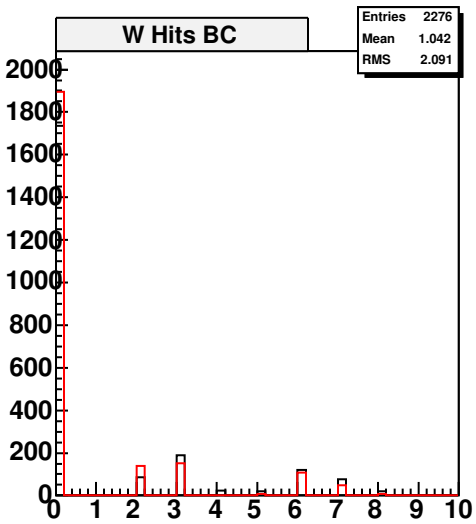


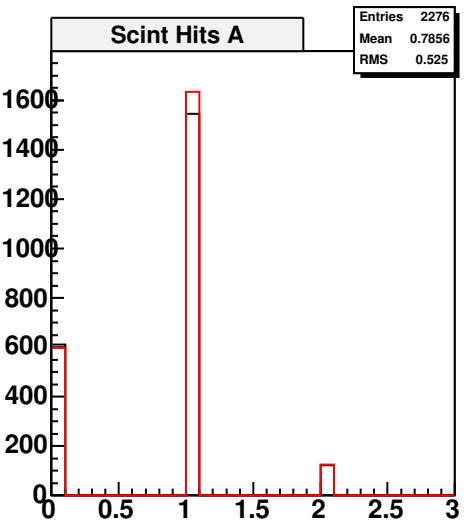


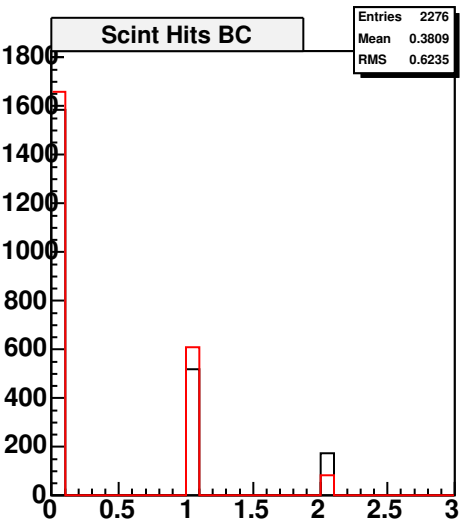




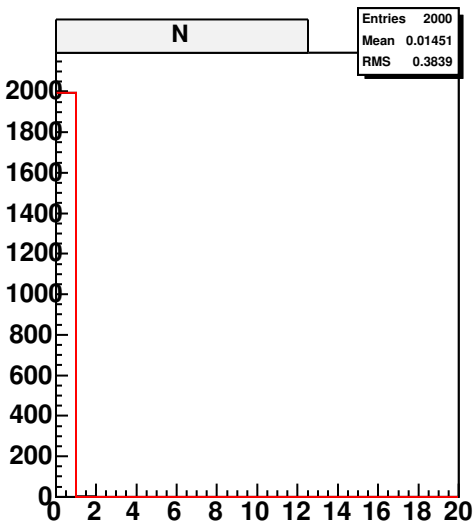


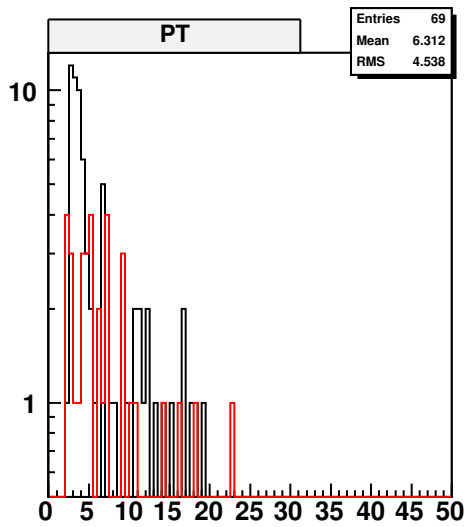


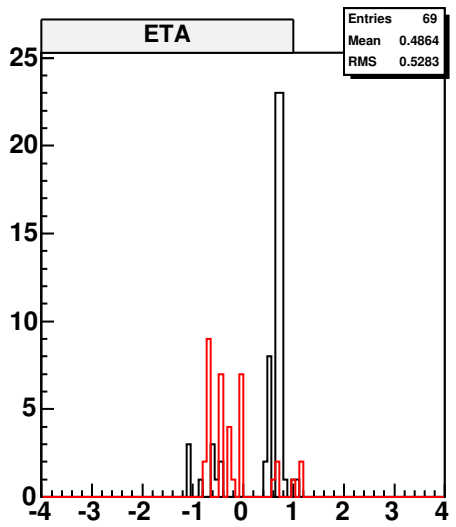


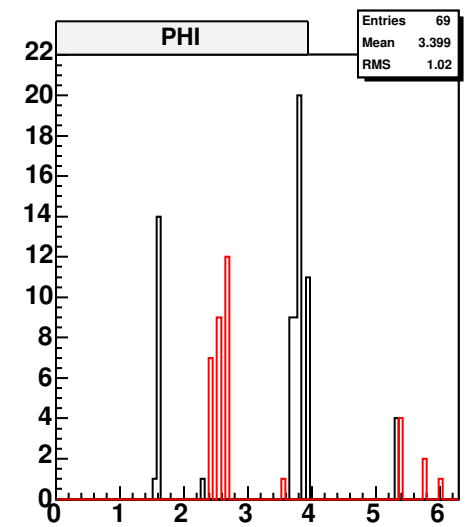


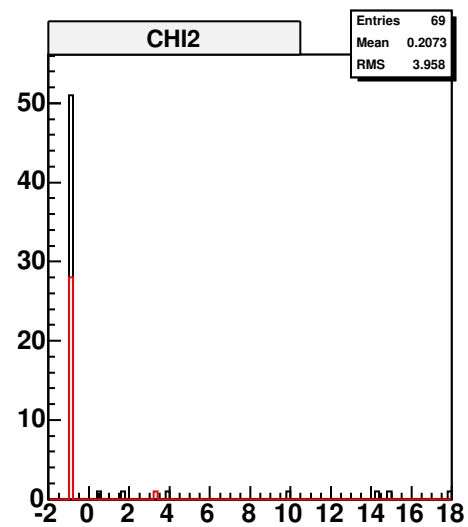
Muon Local Tracks (All)

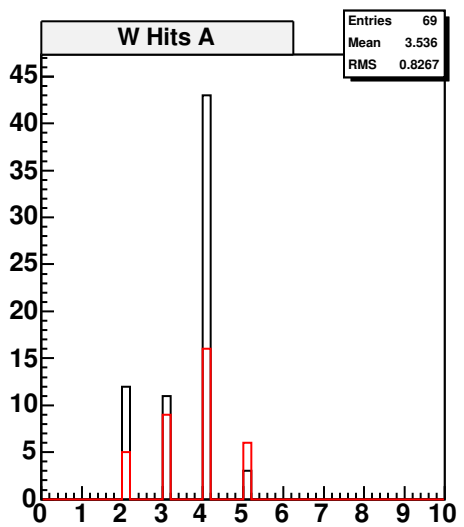


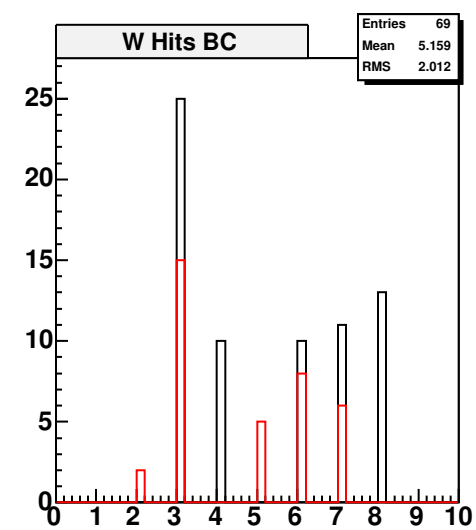


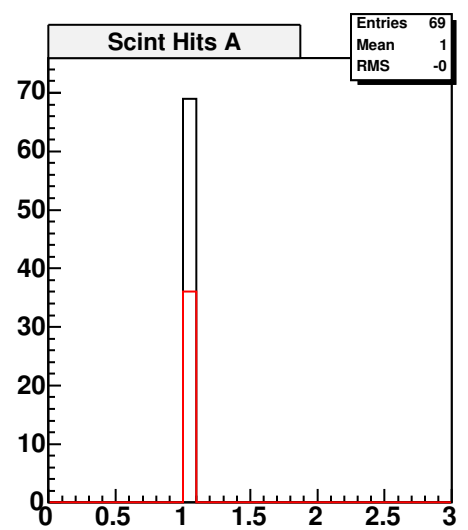


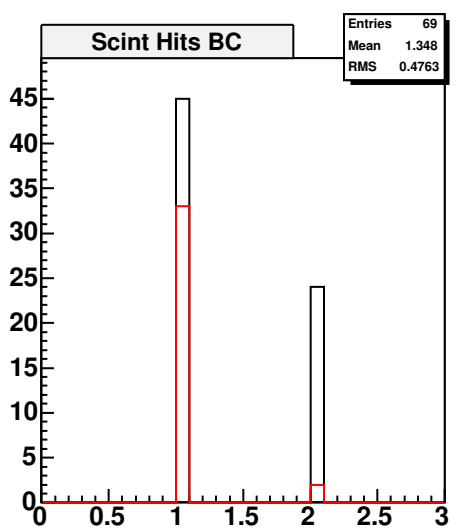




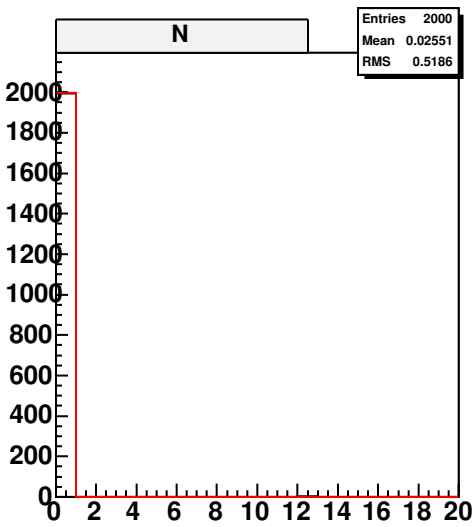


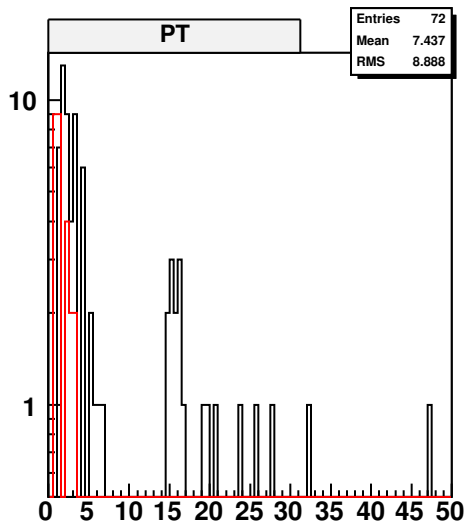


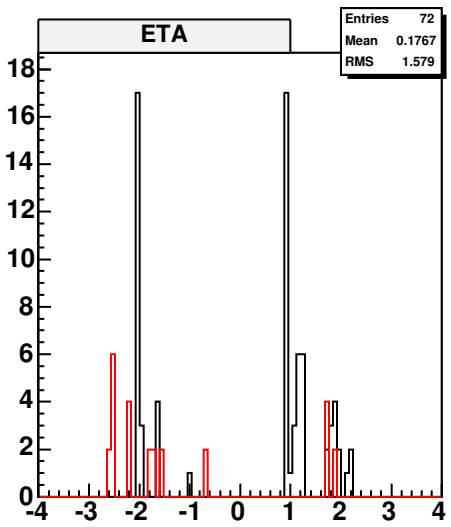


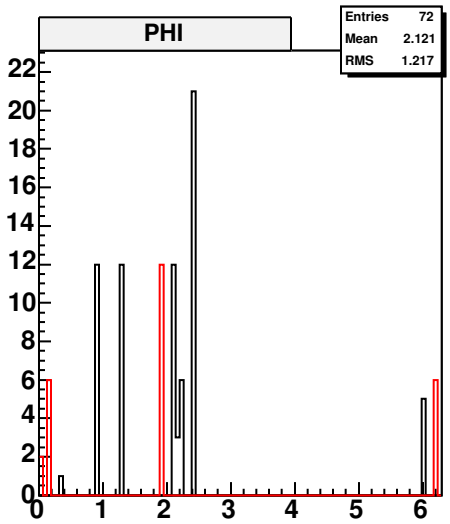


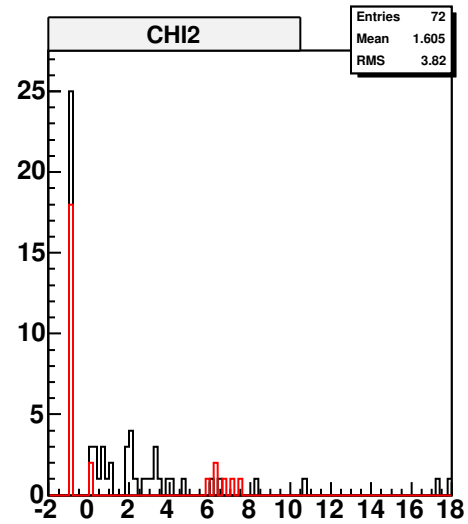
Muon Local Tracks (MediumWamus)

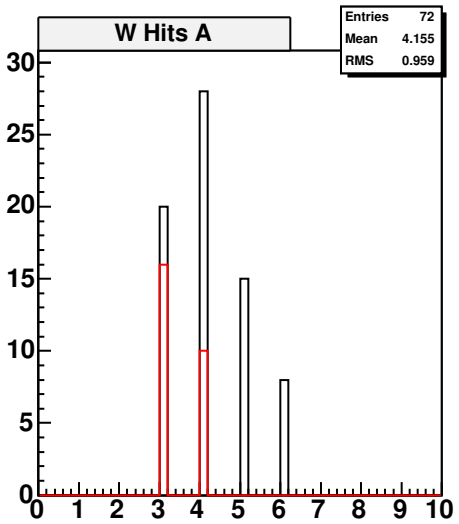


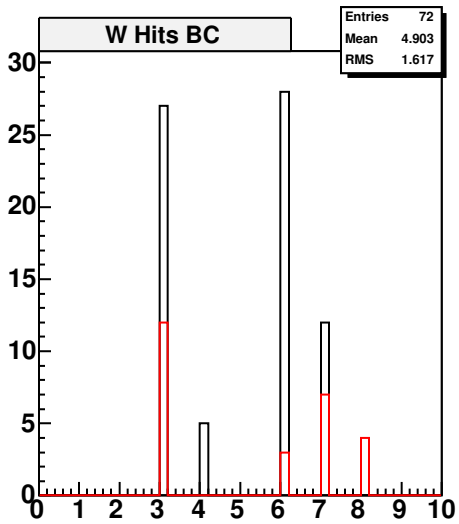


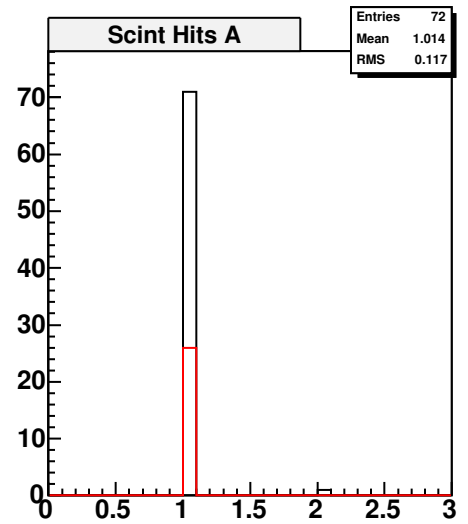


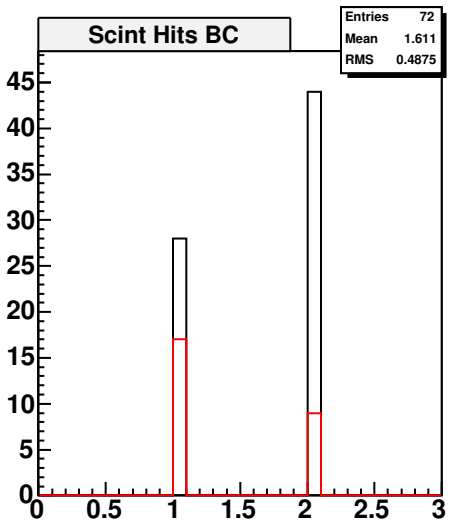




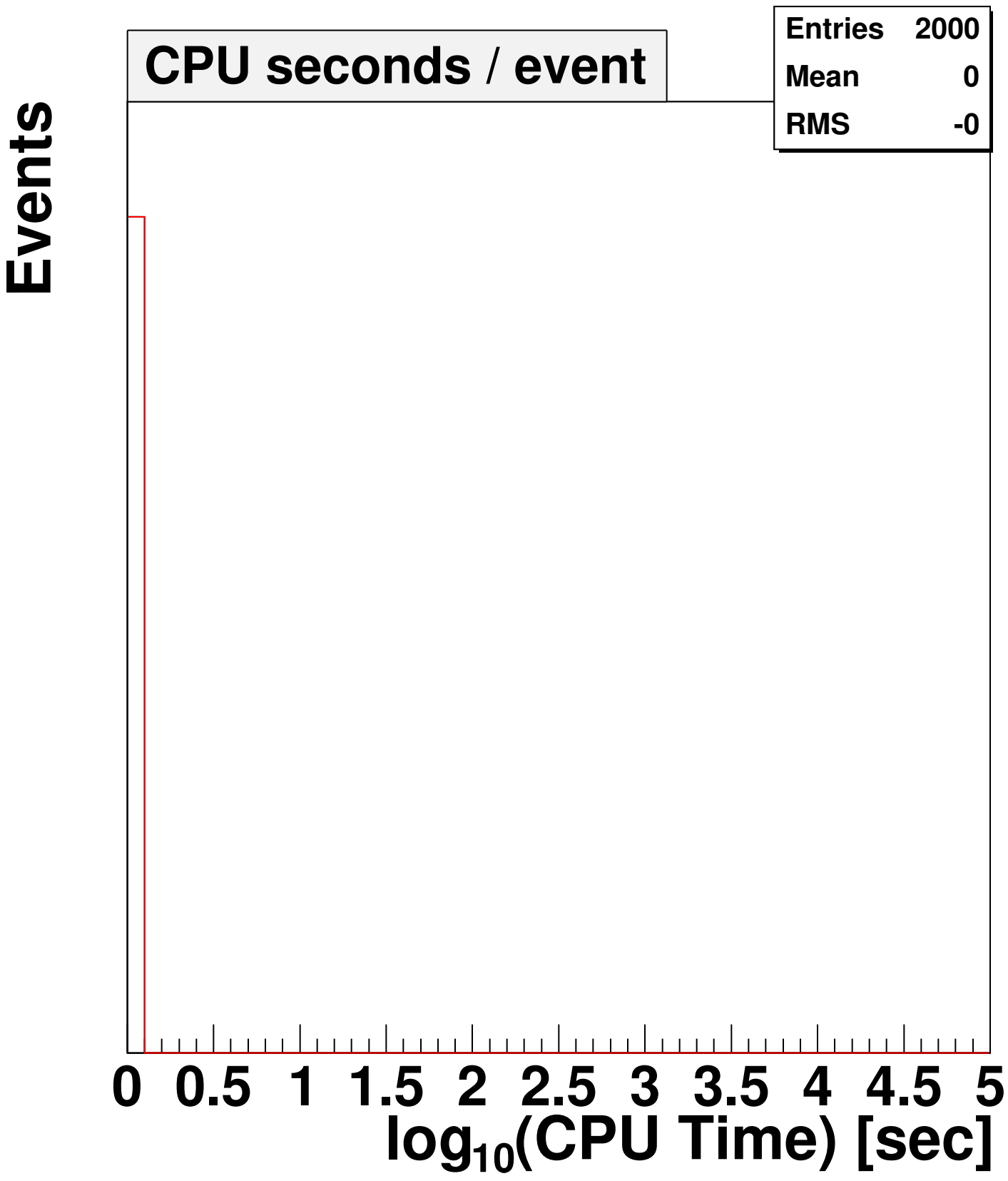








Muon Local Tracks (MediumFamus)



RECO Performance (Timing)