dayset-2004-06-20-194289-0_certification_

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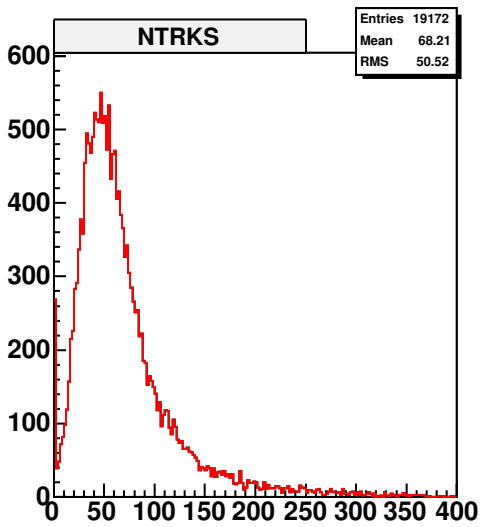
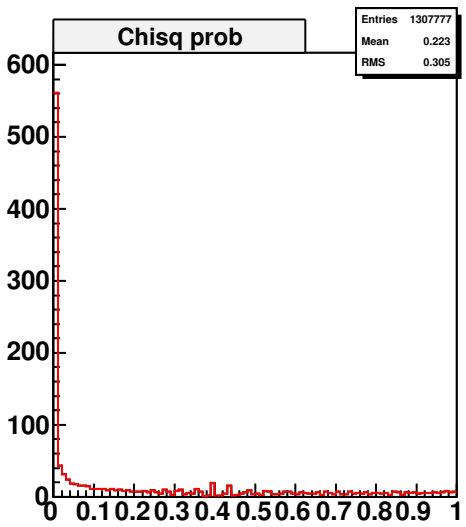
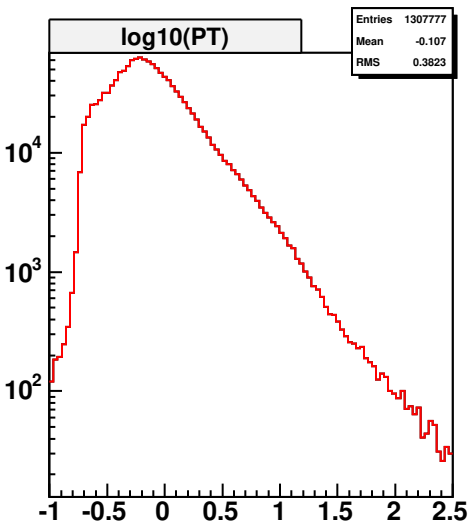
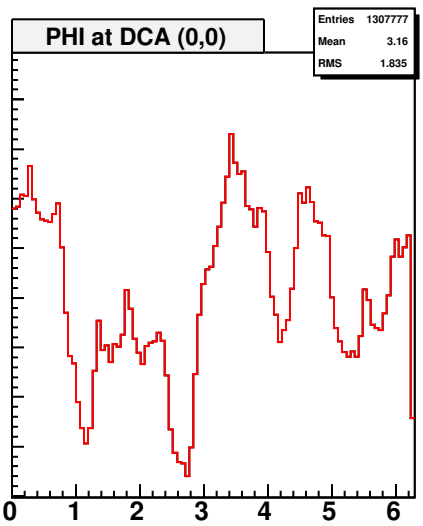
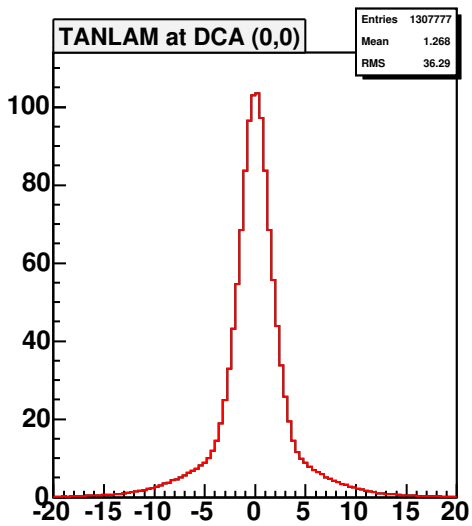
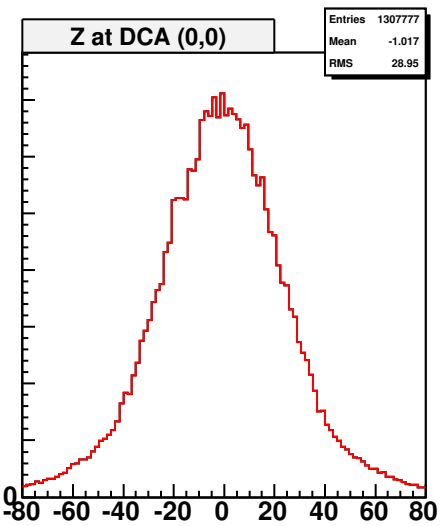

NTRKS
Entries 19172
Mean 68.21
RMS 50.52

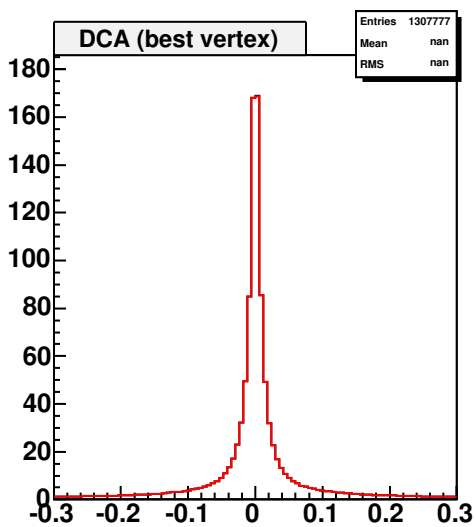

Chisq prob
Entries 1307777
Mean 0.223
RMS 0.305

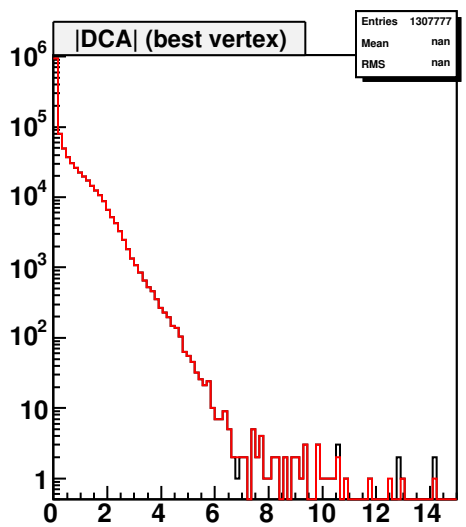

log10(PT)
Entries 1307777
Mean -0.107
RMS 0.3823

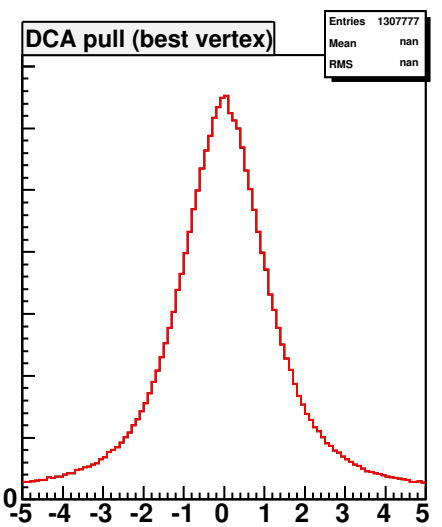

PHI at DCA (0,0)
Entries 1307777
Mean 3.16
RMS 1.835


TANLAM at DCA (0,0)
Entries 1307777
Mean 1.268
RMS 36.29

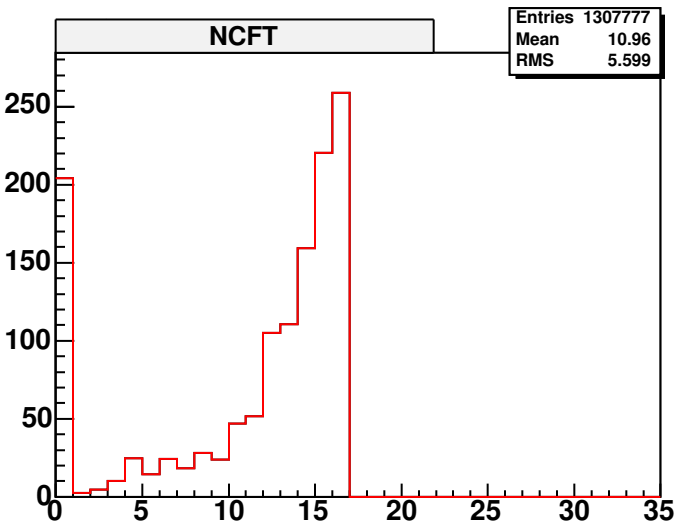

Z at DCA (0,0)
Entries 1307777
Mean -1.017
RMS 28.95

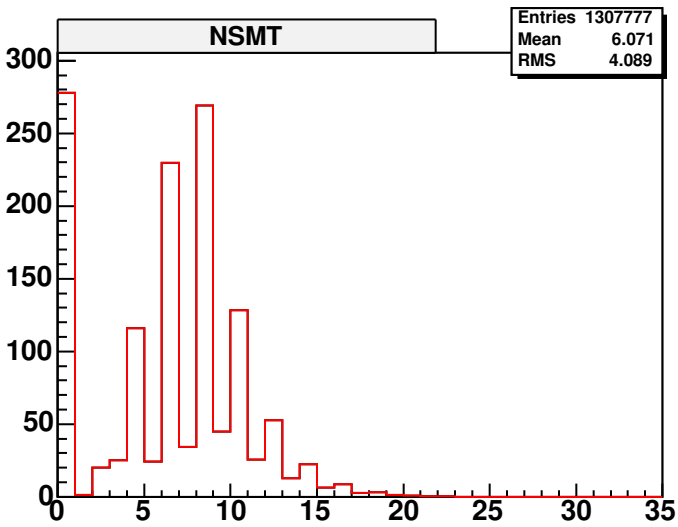

DCA (best vertex)
Entries 1307777
Mean nan
RMS nan

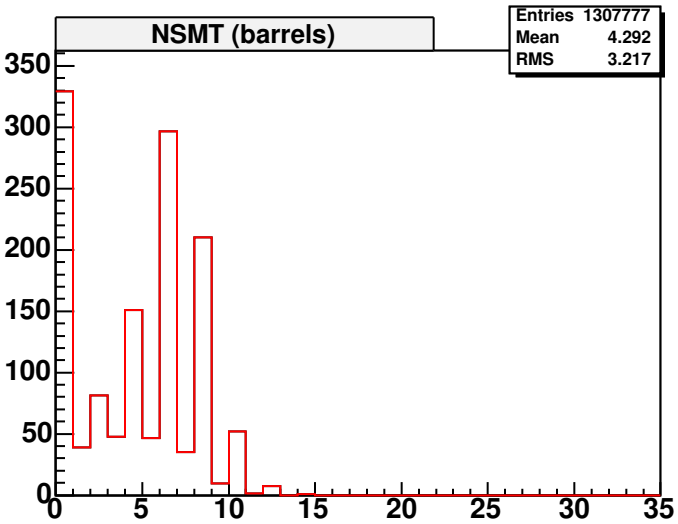

|DCA| (best vertex)
Entries 1307777
Mean nan
RMS nan

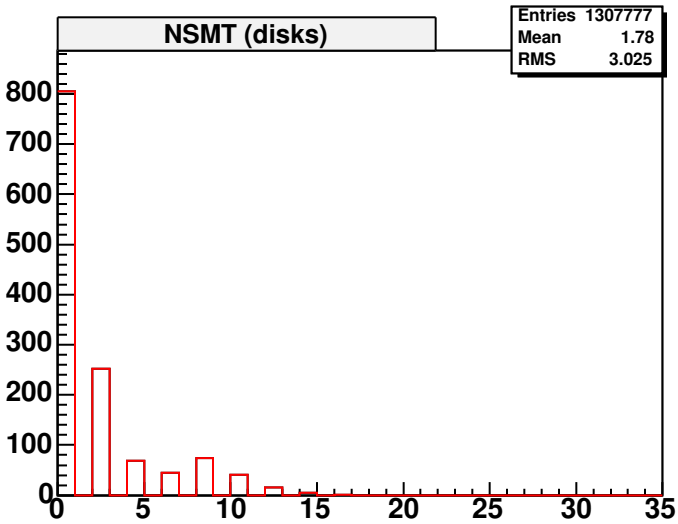

DCA pull (best vertex)
Entries 1307777
Mean nan
RMS nan

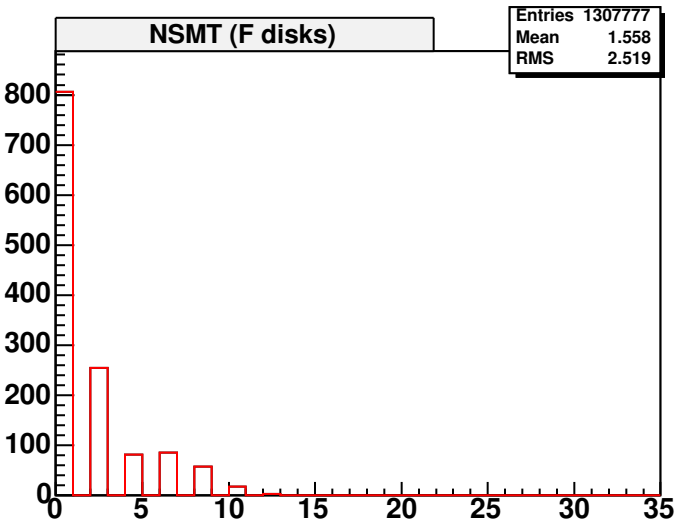
Tracks (All)

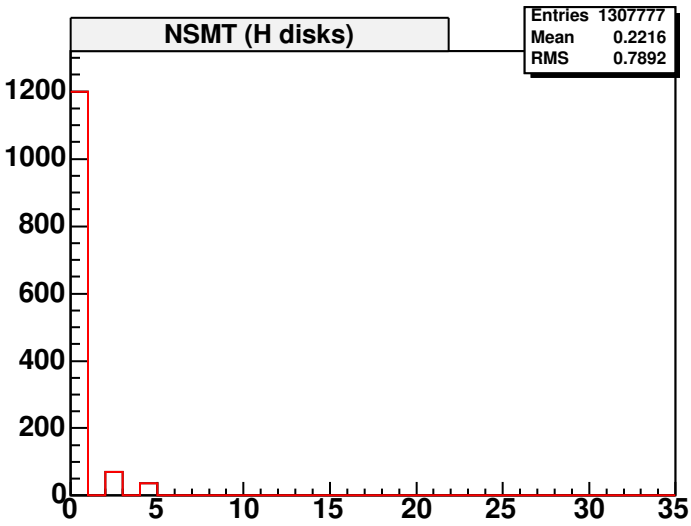




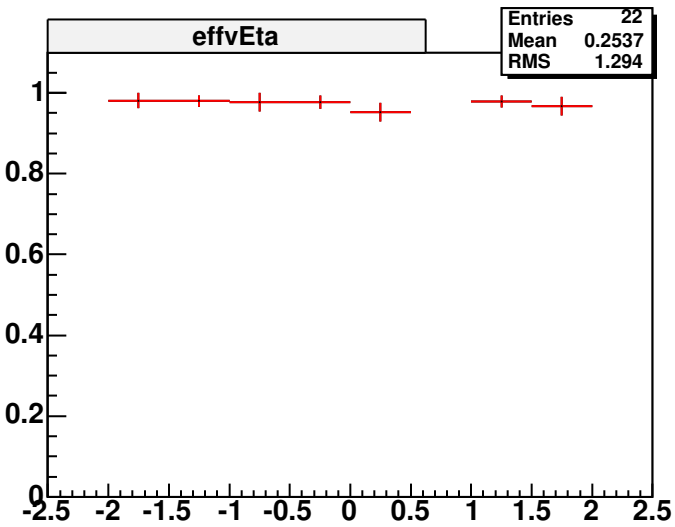


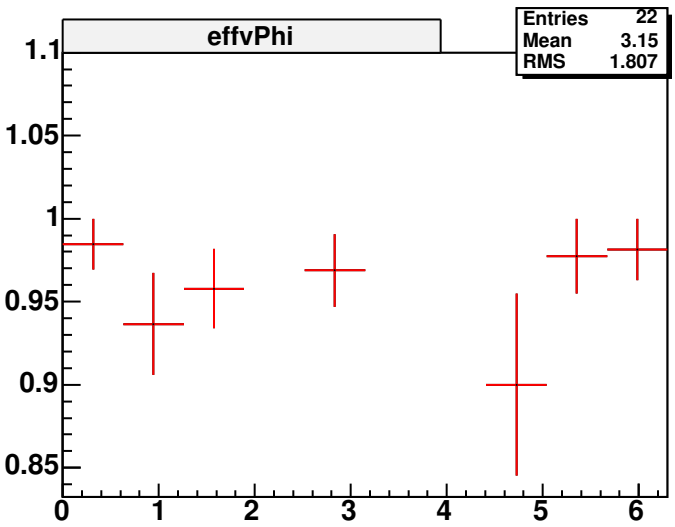


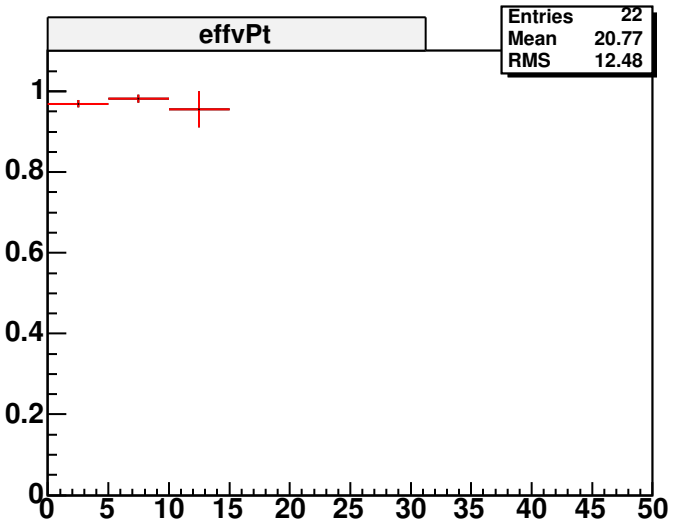


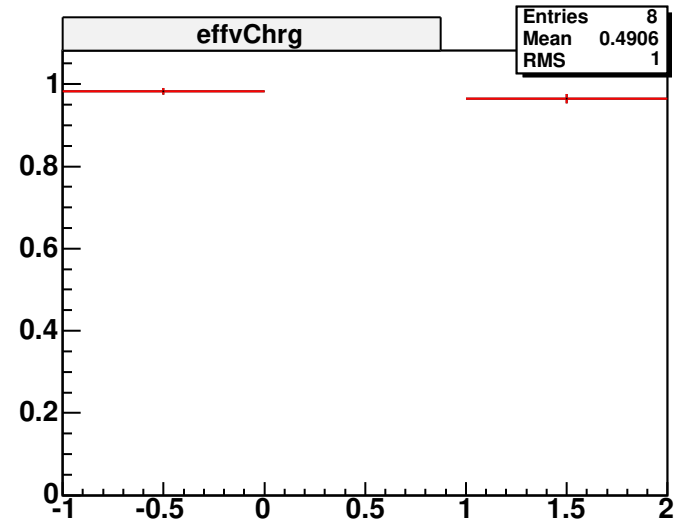


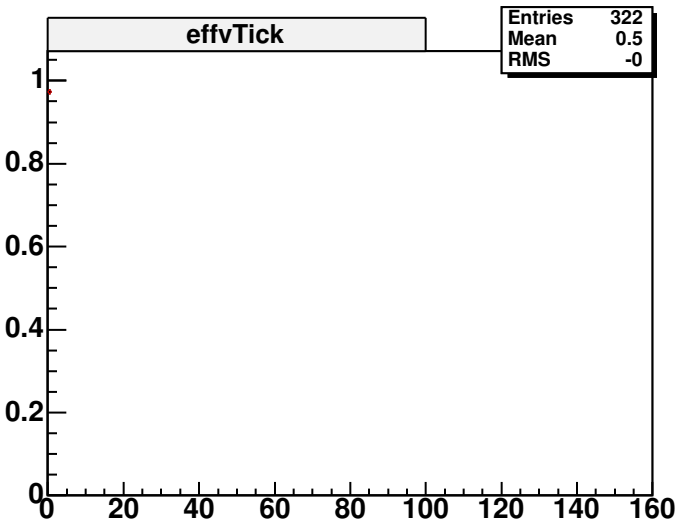
Track Hits (All)

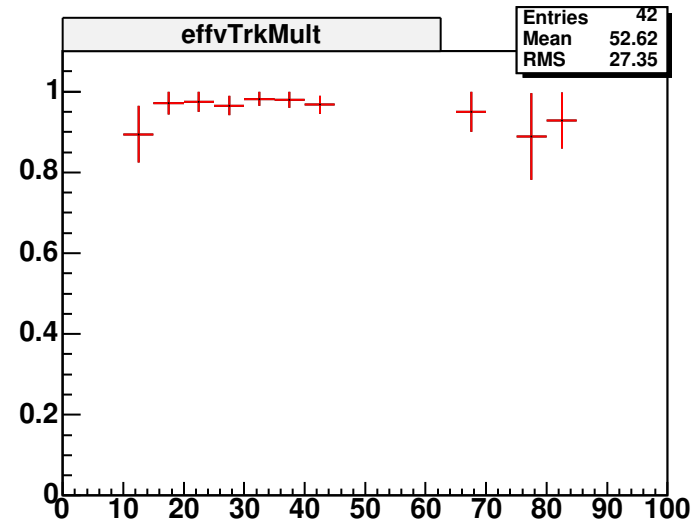




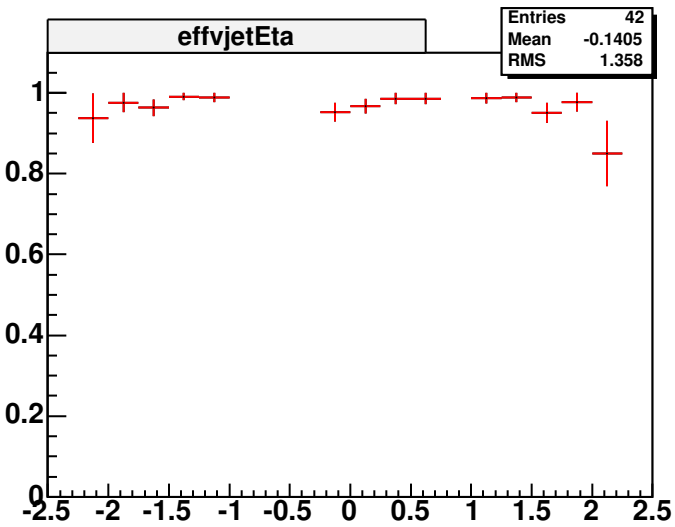


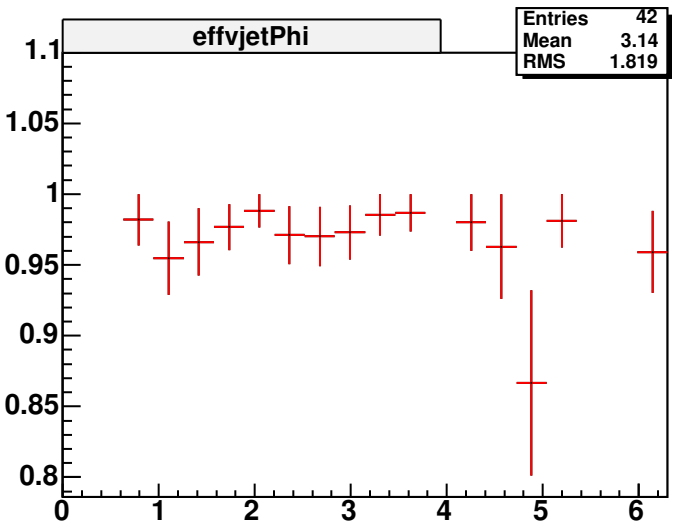


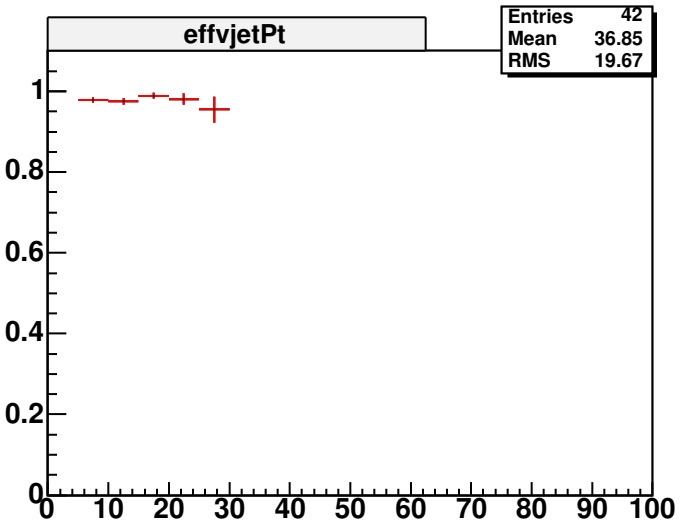




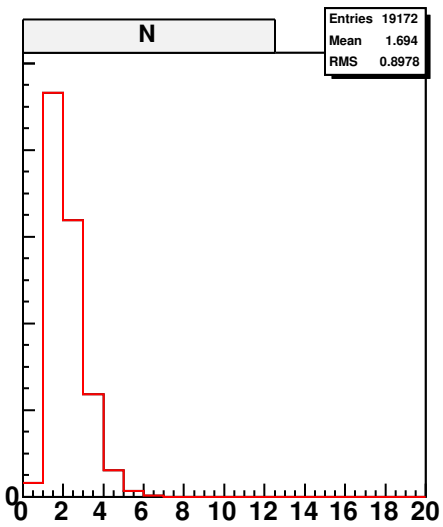
Tracking (Efficiency-Isolated)

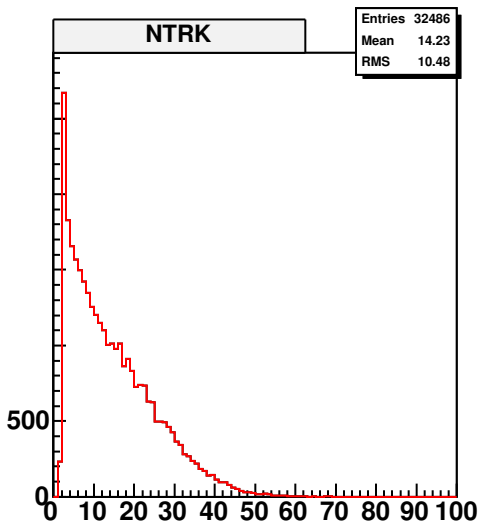


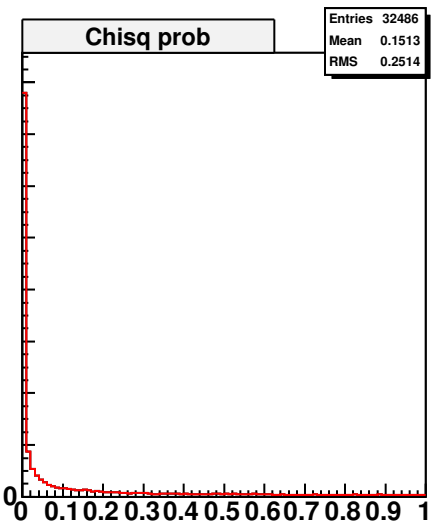


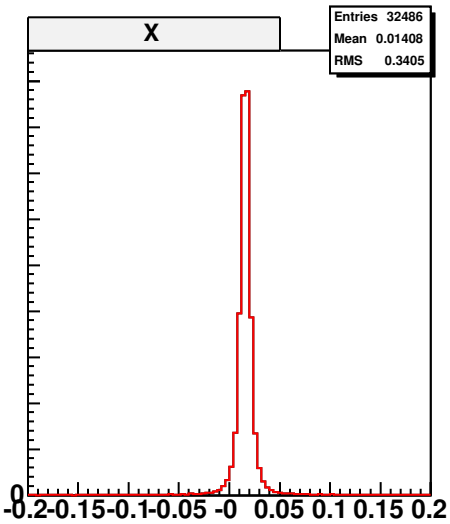


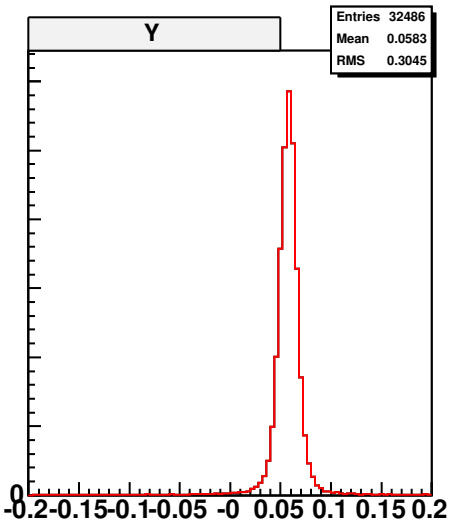
Tracking (Efficiency-InJets)

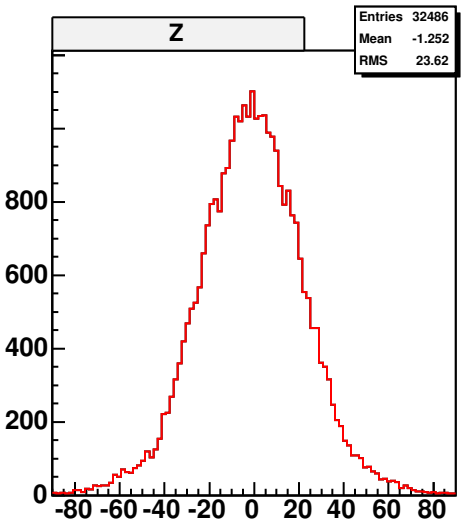


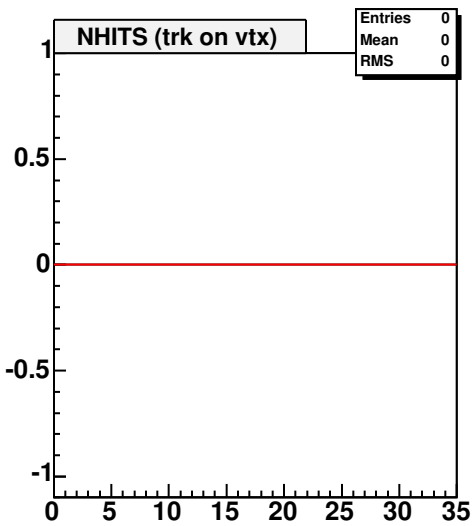


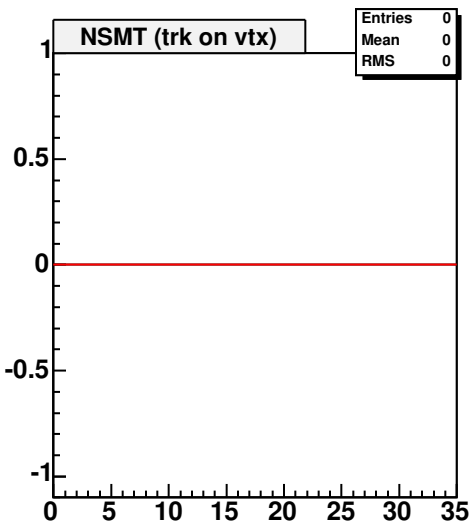


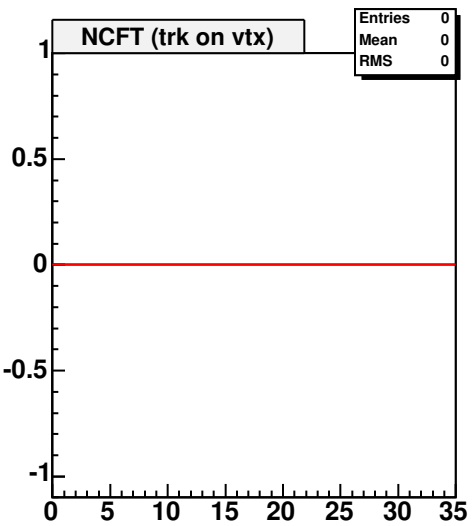




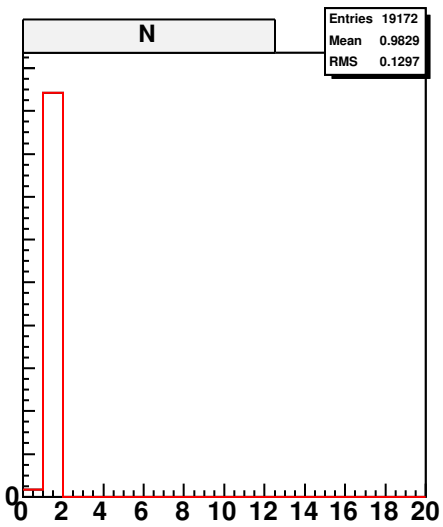


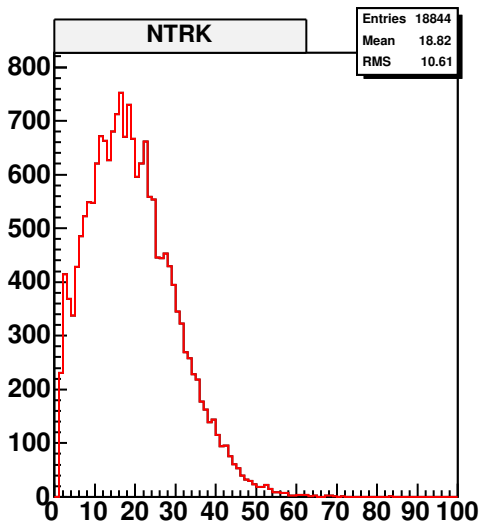


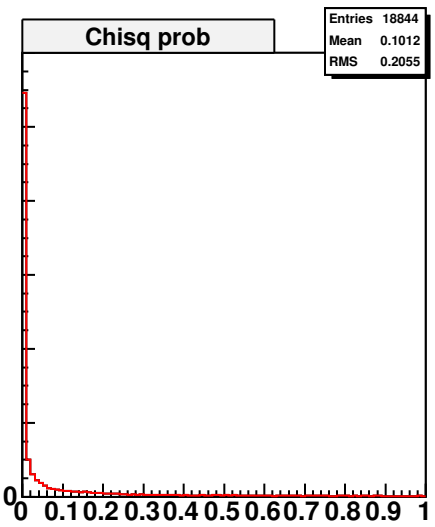


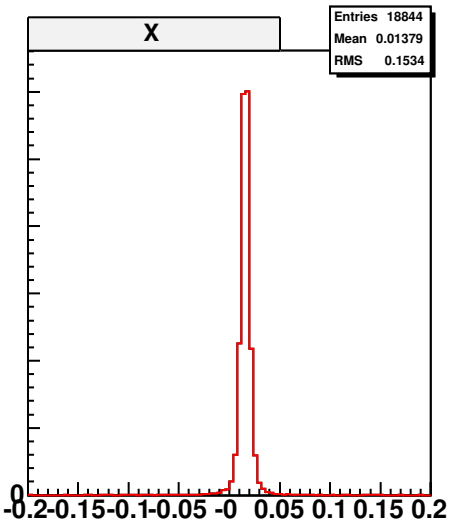


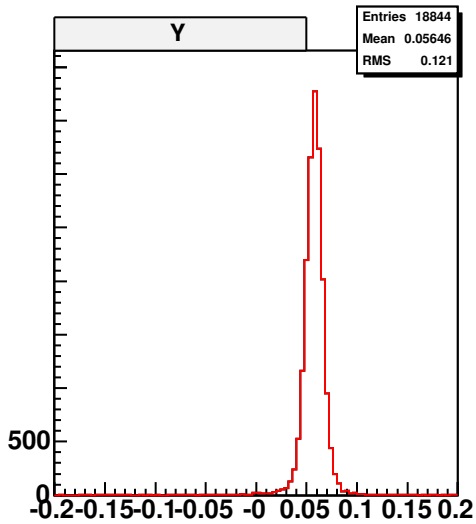
Vertices (Primary - all candidates)

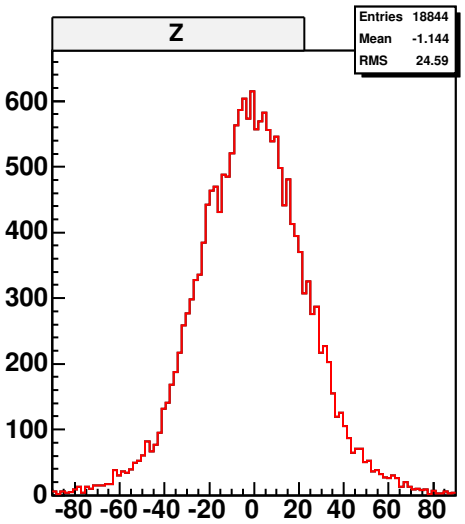


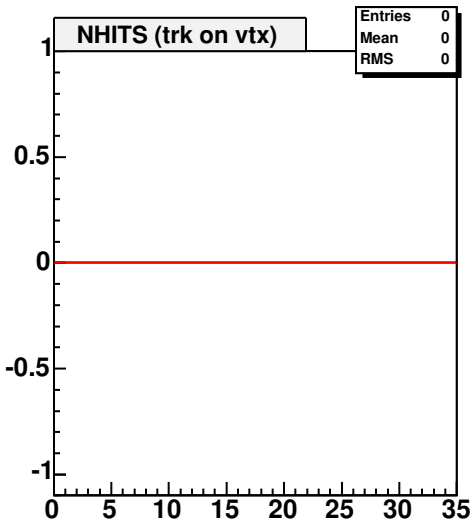


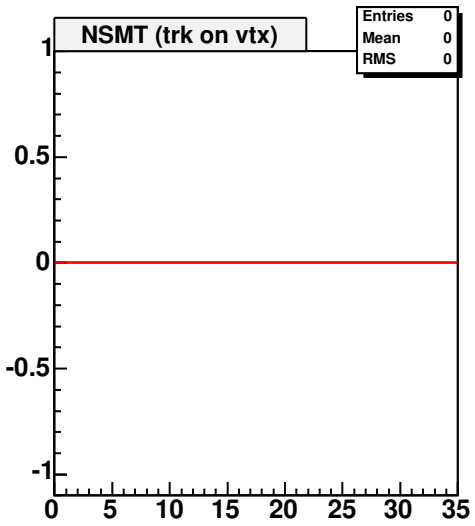


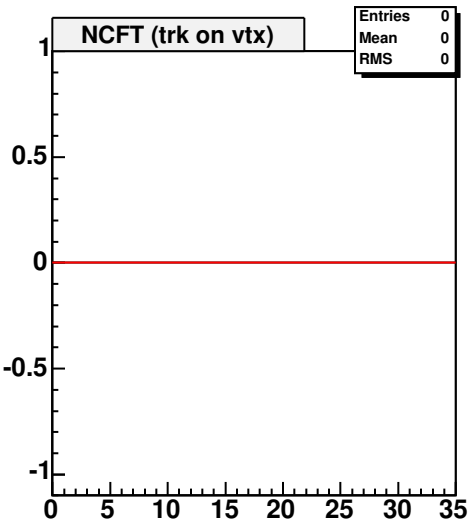




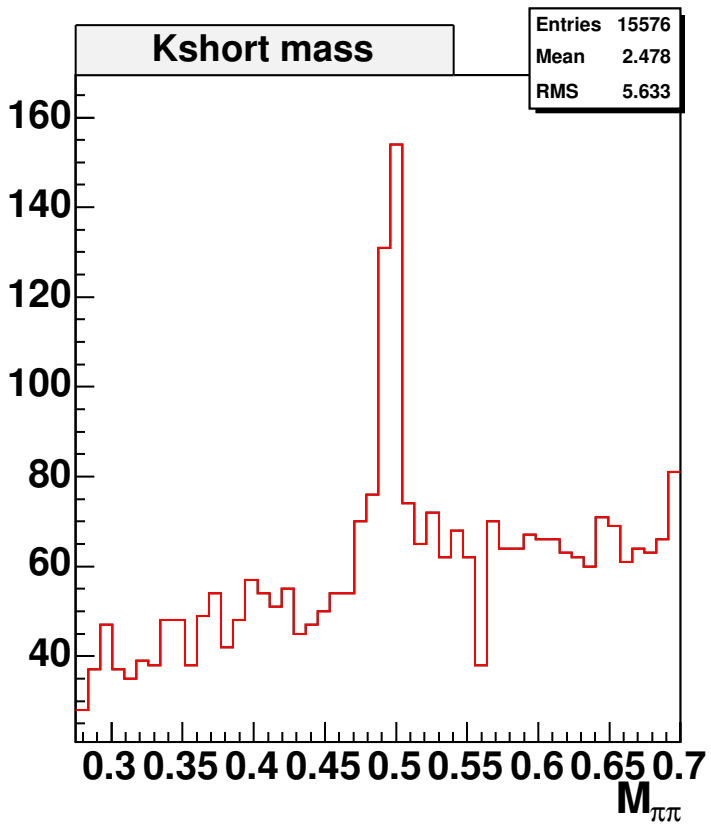


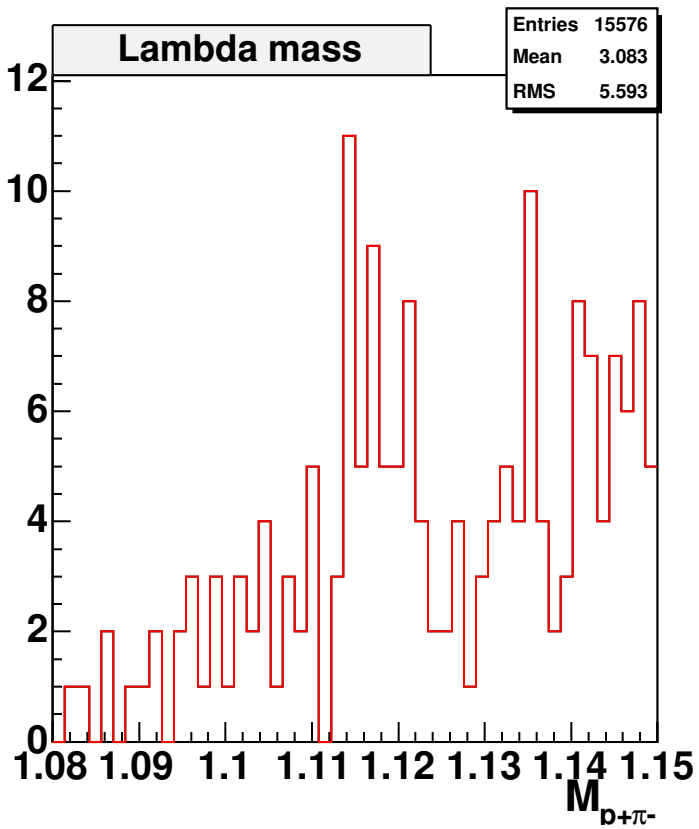


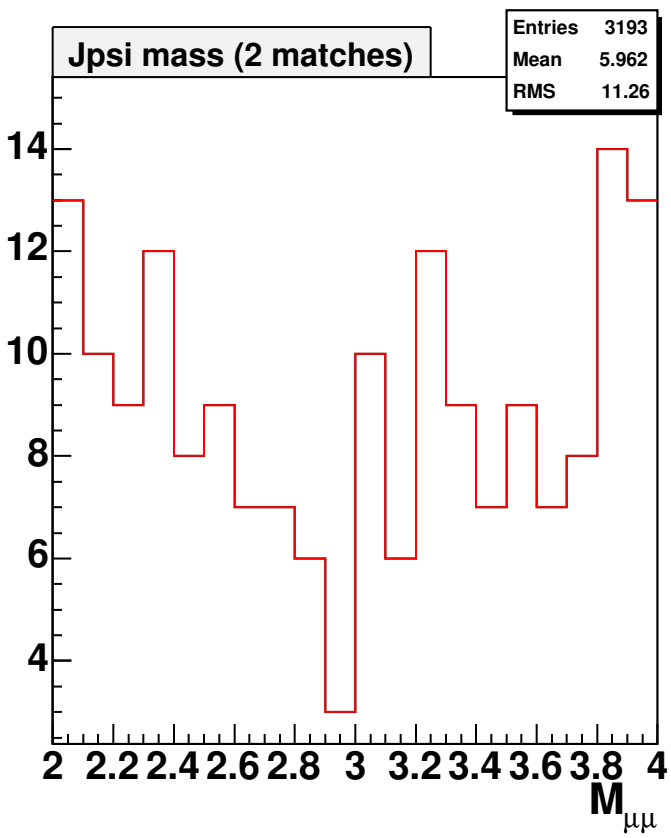


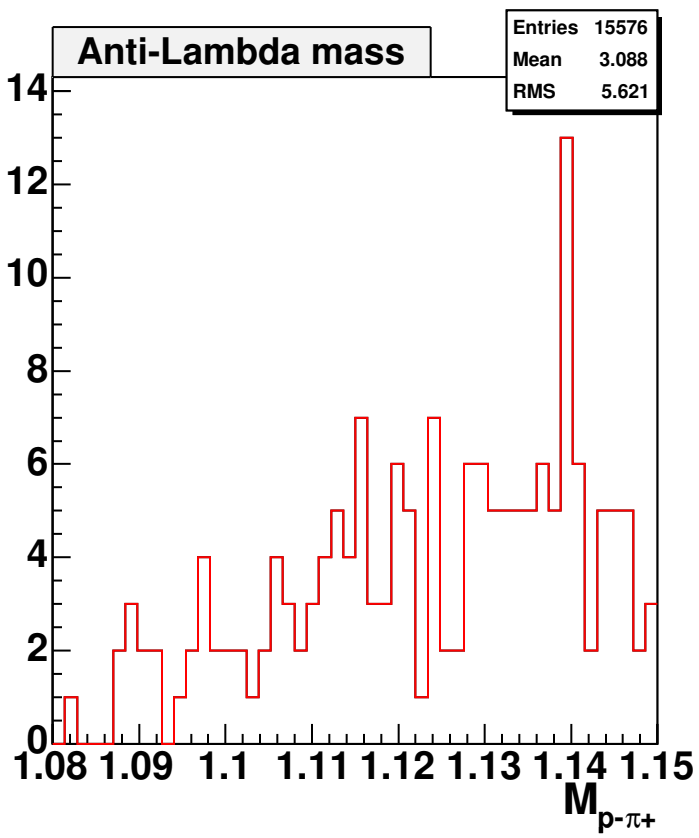


Vertices (Primary - best)

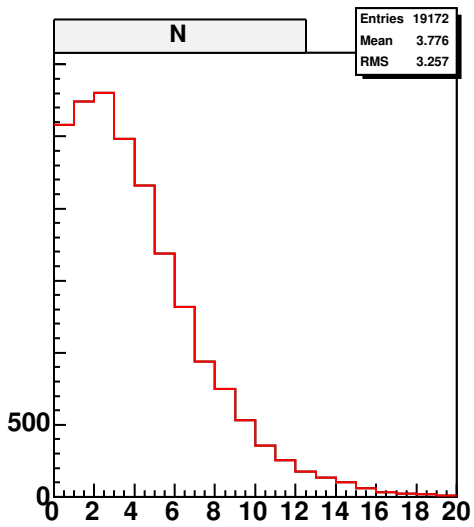

Kshort mass
Entries 15576
Mean 2.478
RMS 5.633
160
140
120
100
80
60
40
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

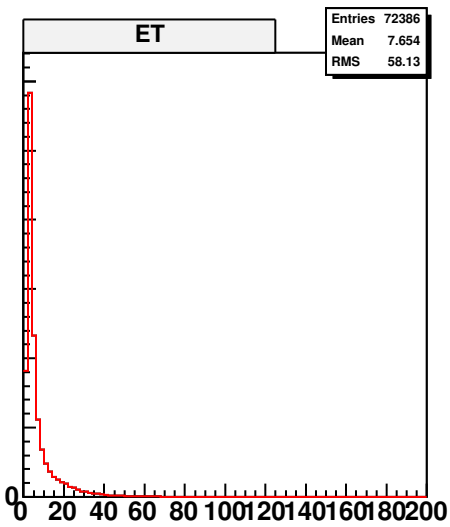

Lambda mass
Entries 15576
Mean 3.083
RMS 5.593
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

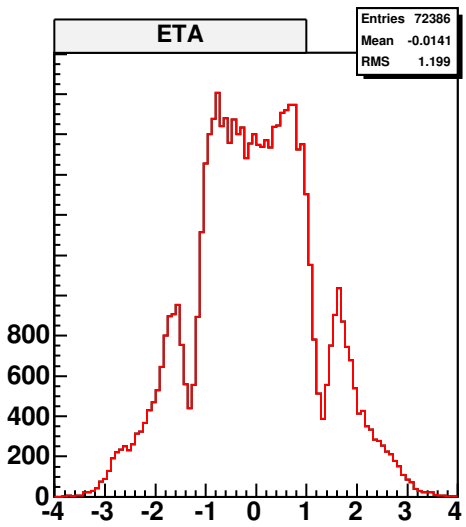

Jpsi mass (2 matches)
Entries 3193
Mean 5.962
RMS 11.26
14
12
10
8
6
4
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

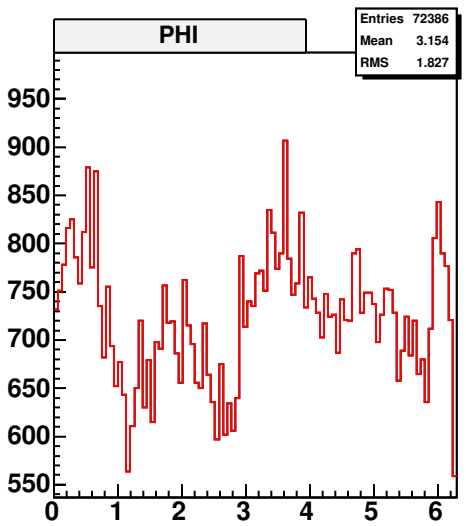

Anti-Lambda mass
Entries 15576
Mean 3.088
RMS 5.621
14
12
10
8
6
4
2
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

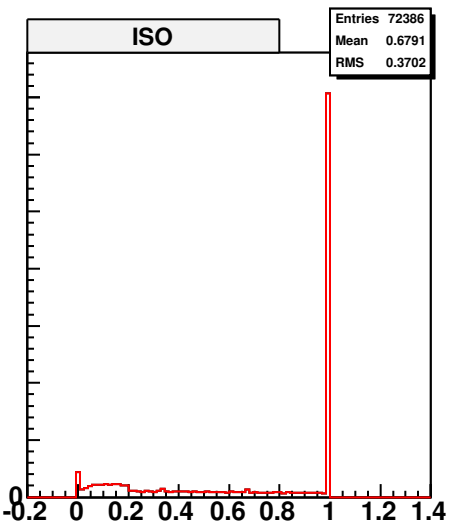
V0 (All)

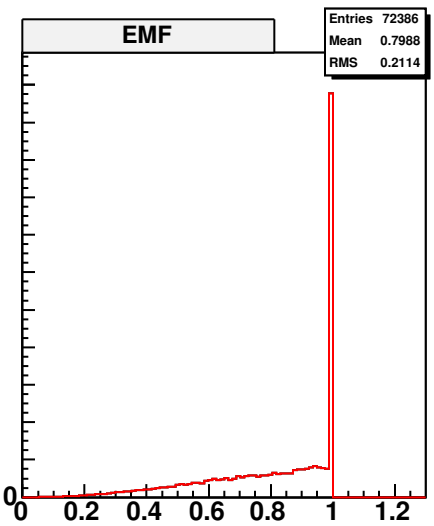


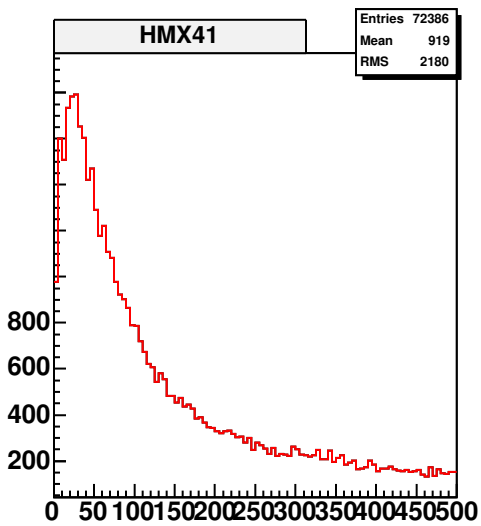


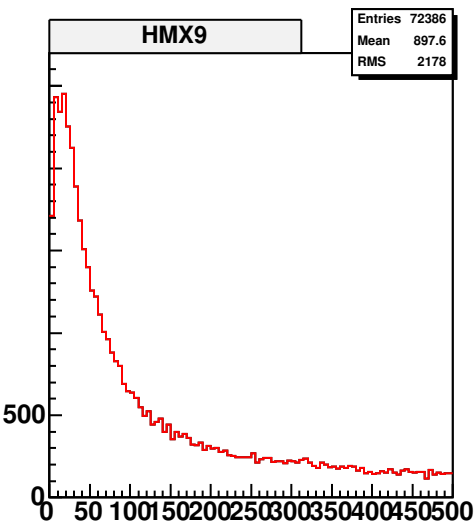


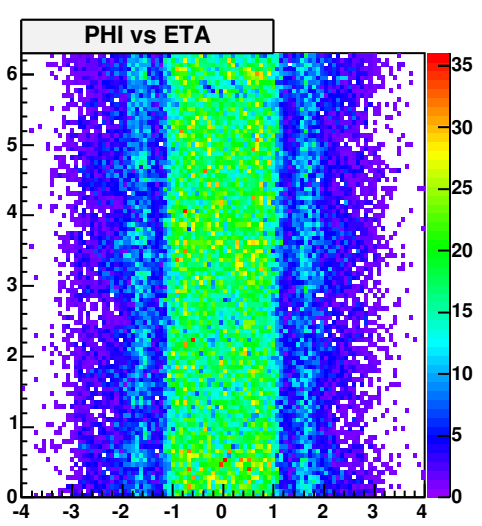




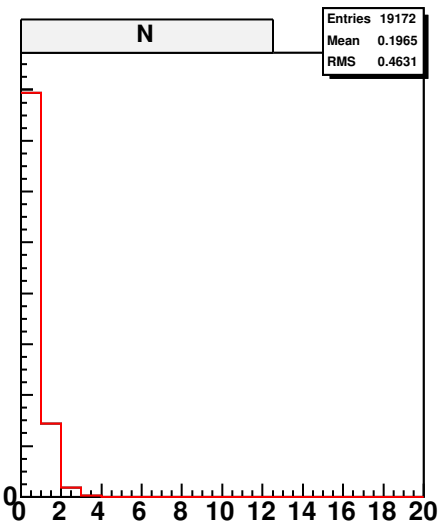


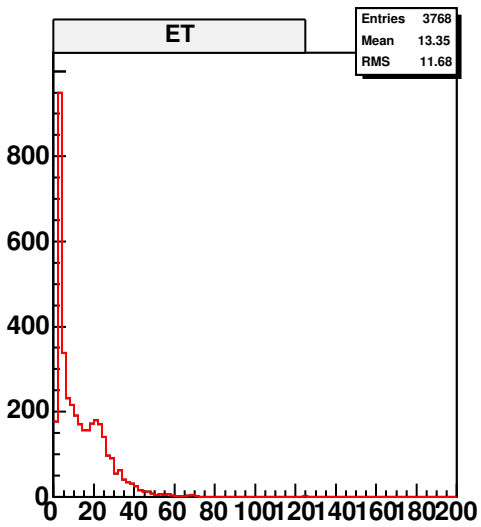


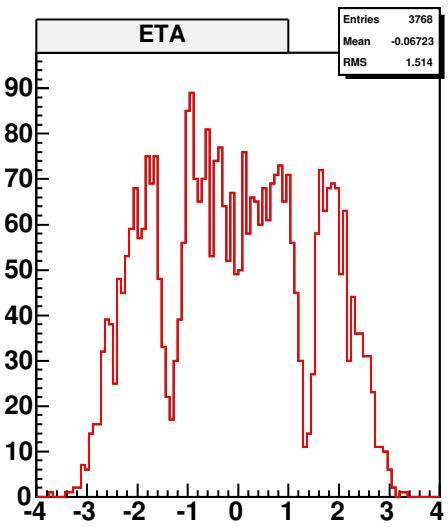


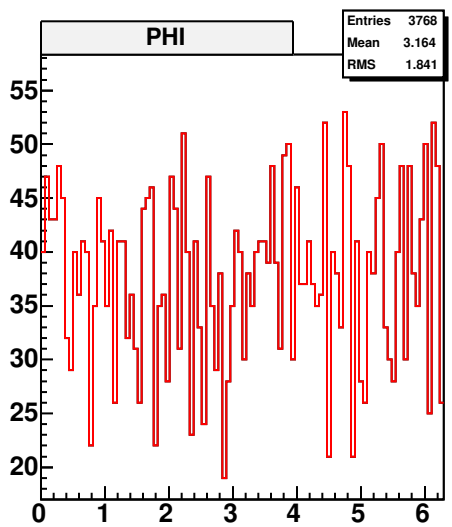


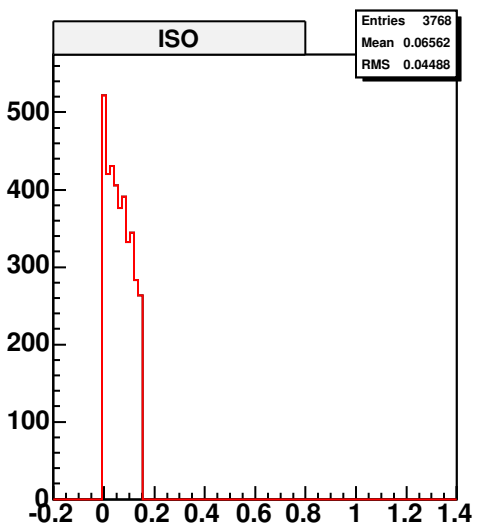
Electrons (SCONE All)

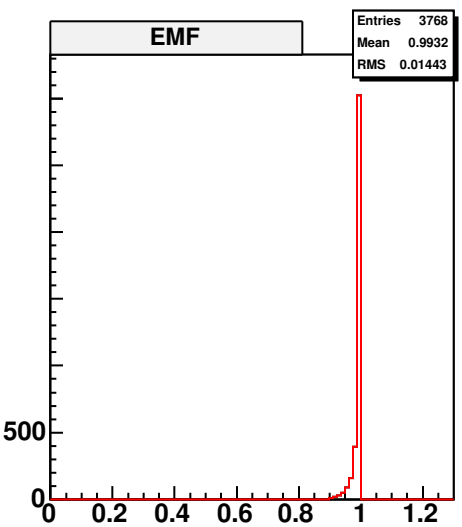


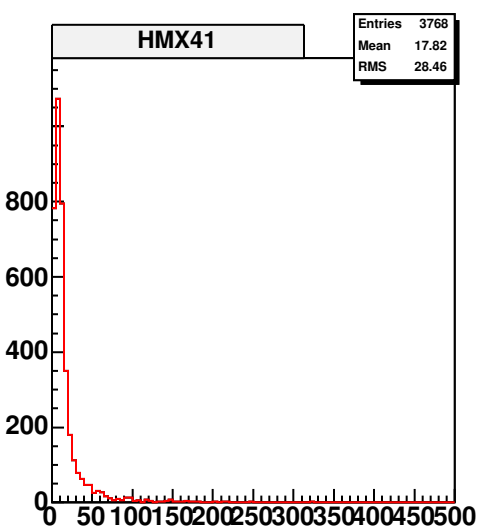


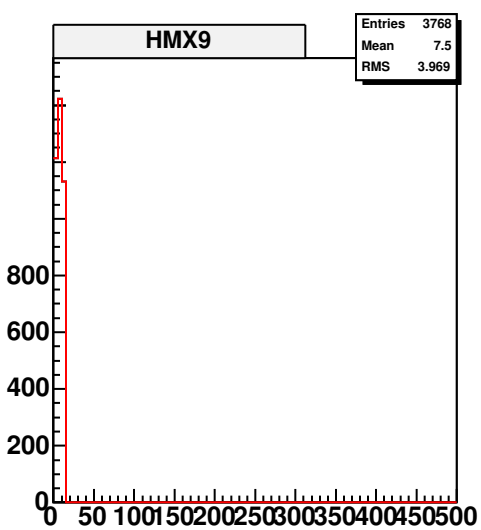


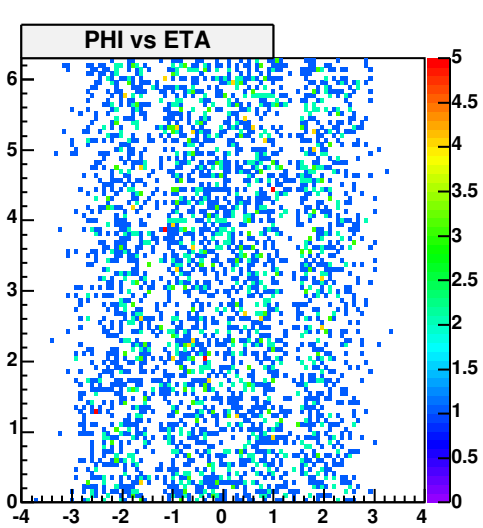




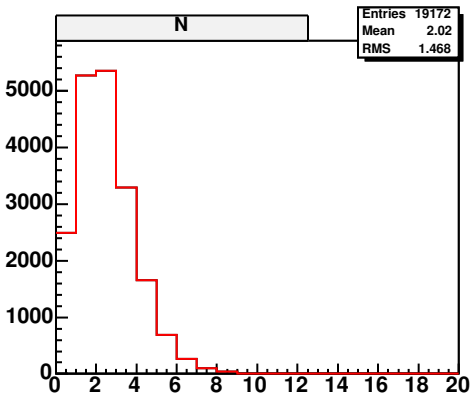


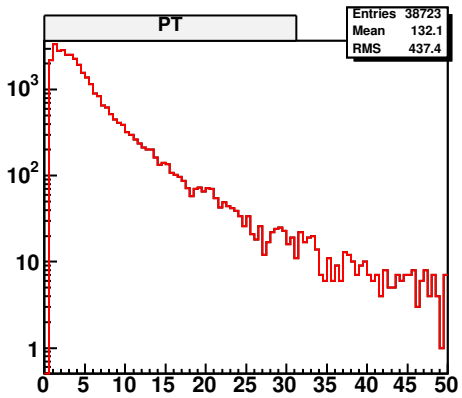


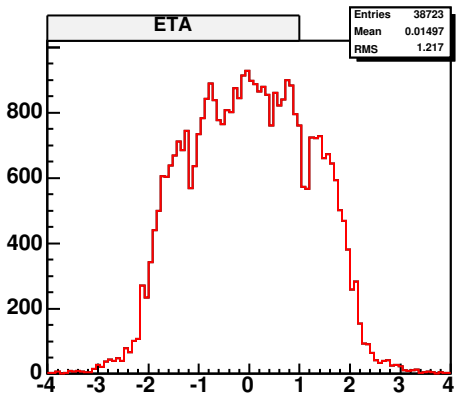


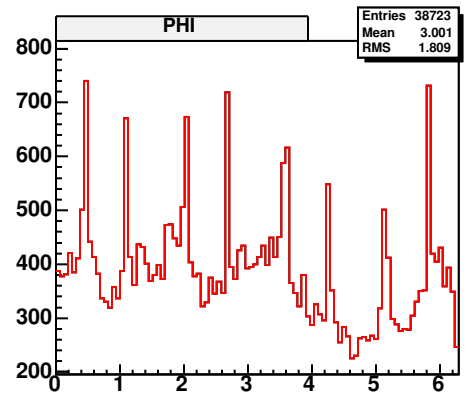


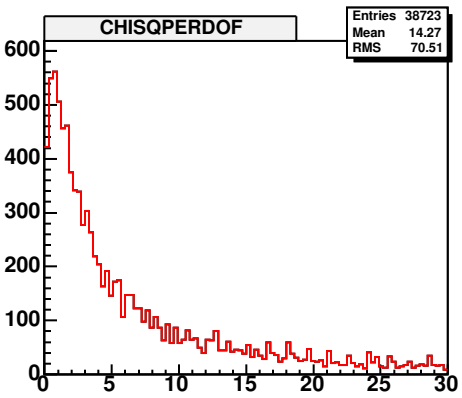
Electrons (SCONE Tight)

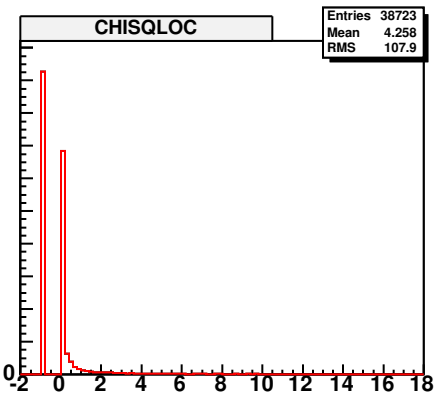

N
Entries 19172
Mean 2.02
RMS 1.468

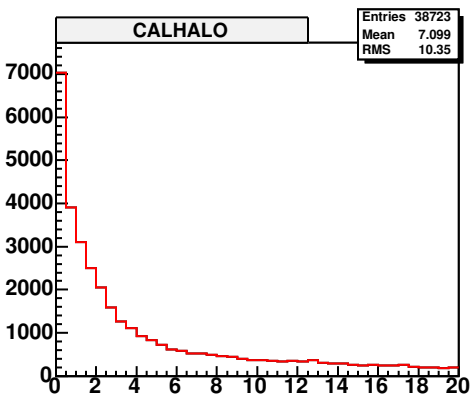

PT
Entries 38723
Mean 132.1
RMS 437.4

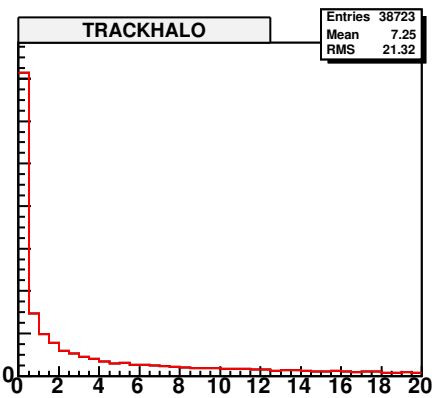

ETA
Entries 38723
Mean 0.01497
RMS 1.217

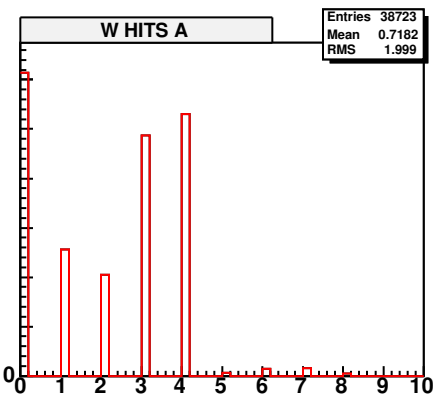

PHI
Entries 38723
Mean 3.001
RMS 1.809

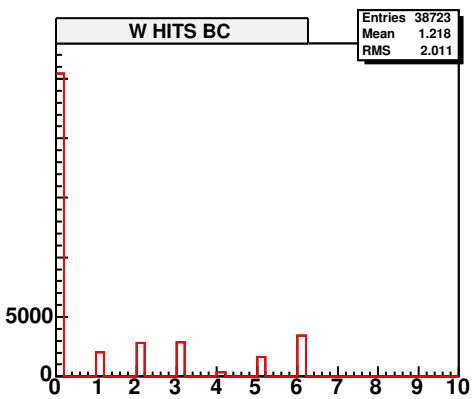

CHISQPERDOF
Entries 38723
Mean 14.27
RMS 70.51

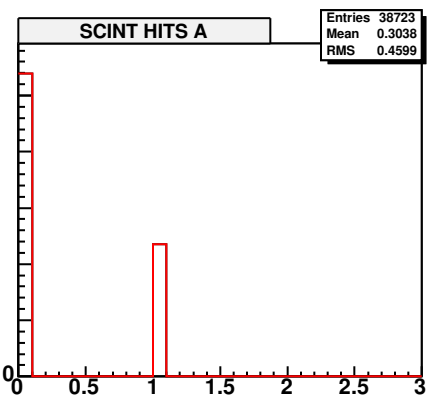

CHISQLOC
Entries 38723
Mean 4.258
RMS 107.9

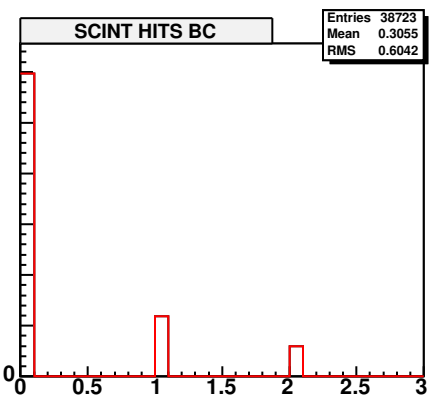

CALHALO
Entries 38723
Mean 7.099
RMS 10.35


TRACKHALO
Entries 38723
Mean 7.25
RMS 21.32

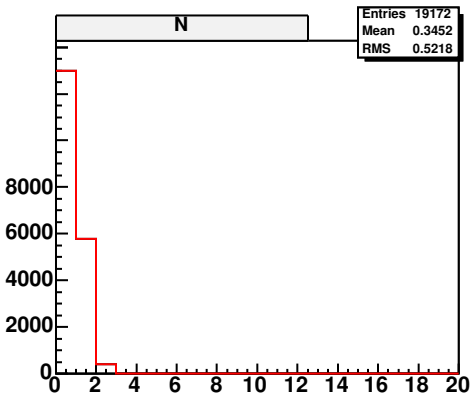

W HITS A
Entries 38723
Mean 0.7182
RMS 1.999

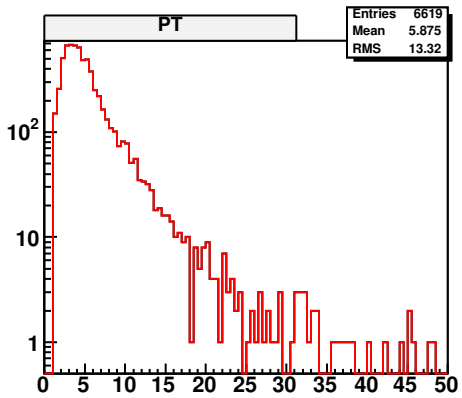

W HITS BC
Entries 38723
Mean 1.218
RMS 2.011

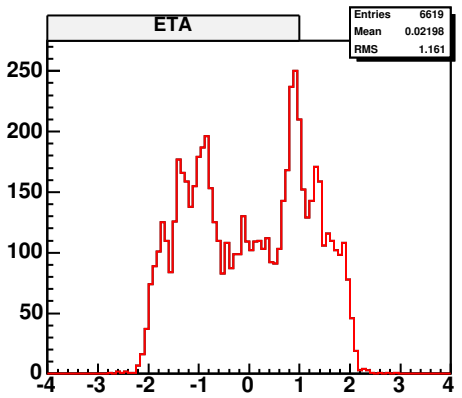

SCINT HITS A
Entries 38723
Mean 0.3038
RMS 0.4599

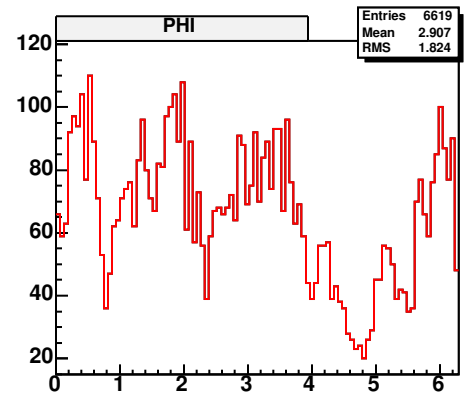

SCINT HITS BC
Entries 38723
Mean 0.3055
RMS 0.6042

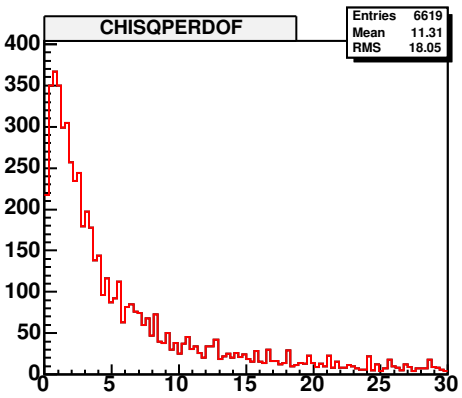
Muons (All)

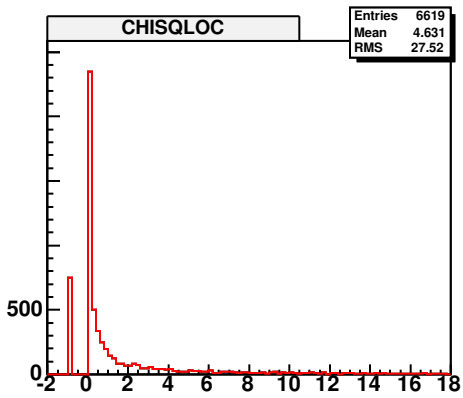


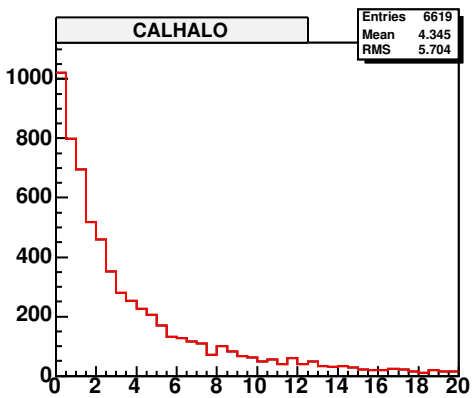


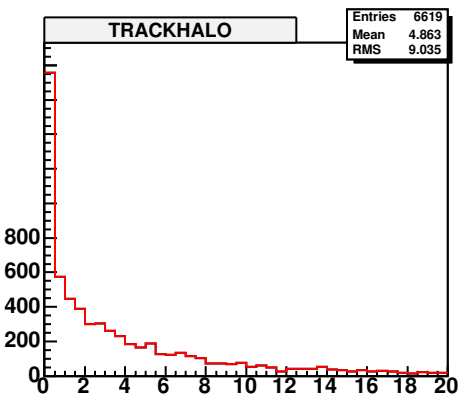


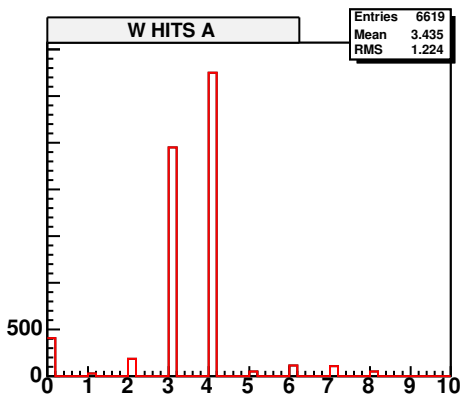


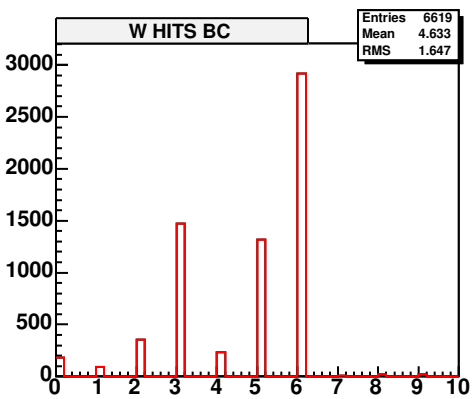


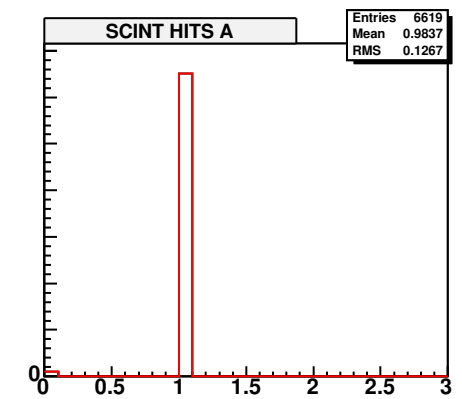


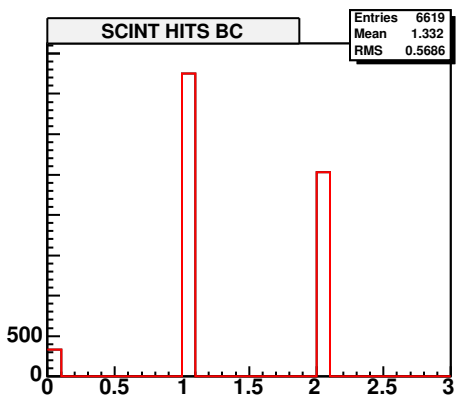




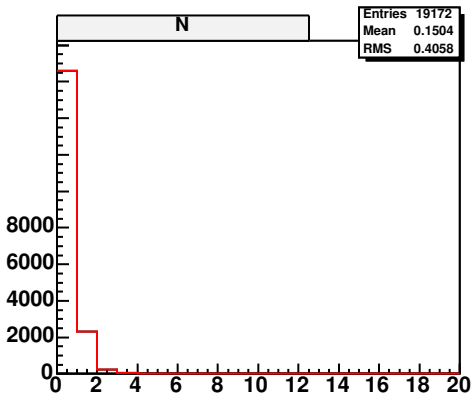


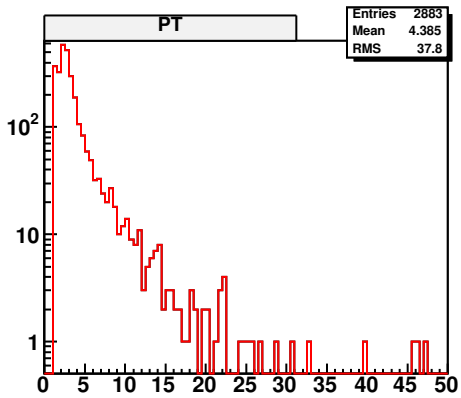


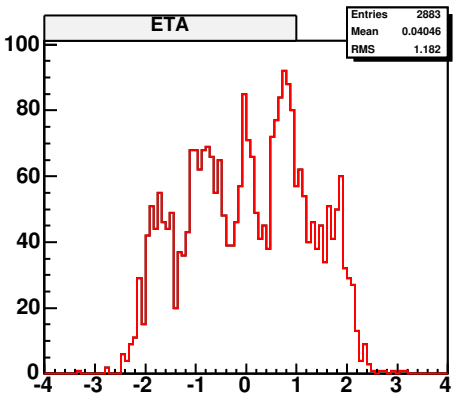


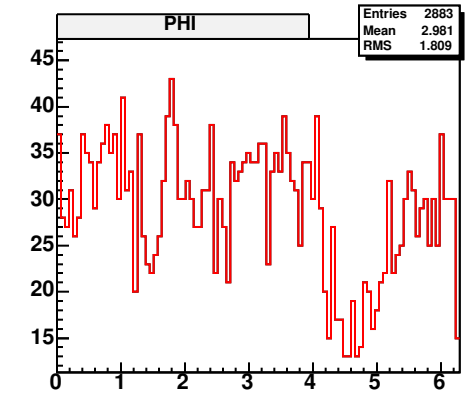


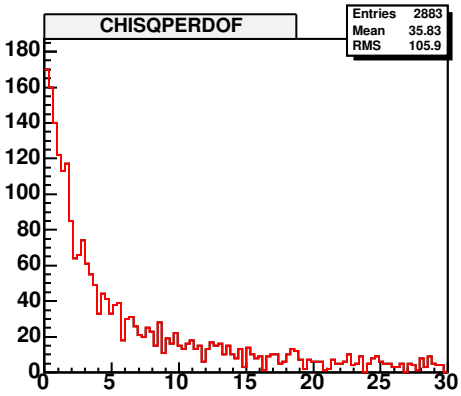
Muons (Matched)

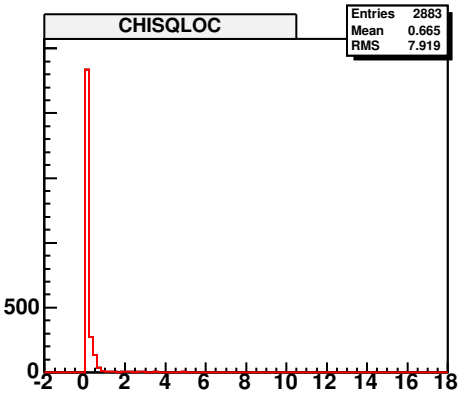

N
Entries 19172
Mean 0.1504
RMS 0.4058

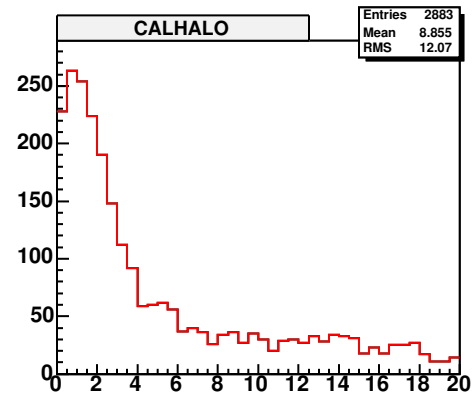

PT
Entries 2883
Mean 4.385
RMS 37.8

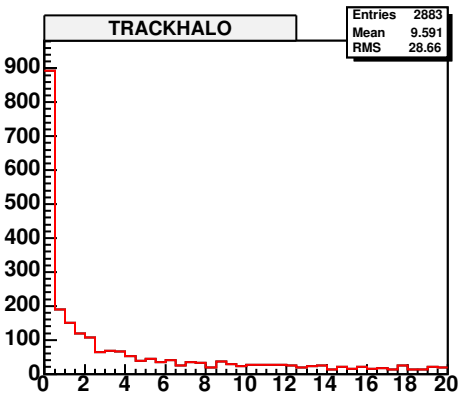

ETA
Entries 2883
Mean 0.04046
RMS 1.182

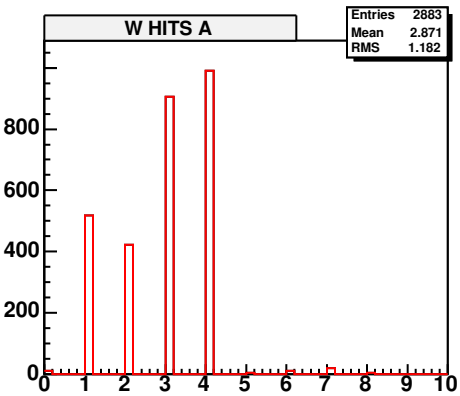

PHI
Entries 2883
Mean 2.981
RMS 1.809

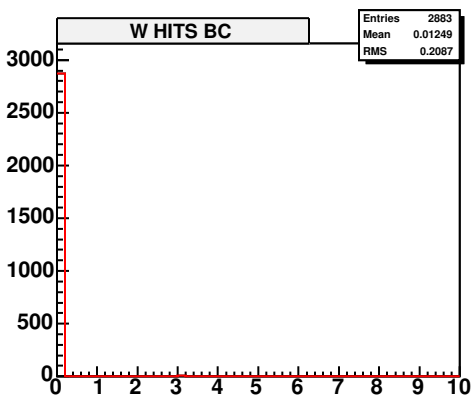

CHISQPERDOF
Entries 2883
Mean 35.83
RMS 105.9

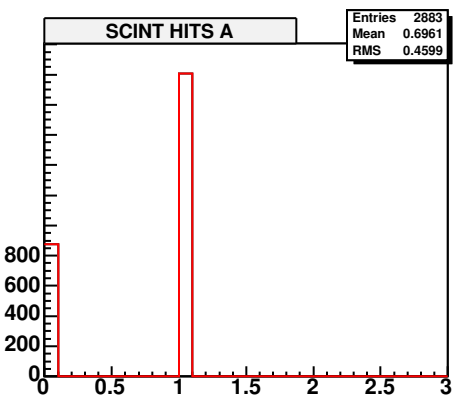

CHISQLOC
Entries 2883
Mean 0.665
RMS 7.919

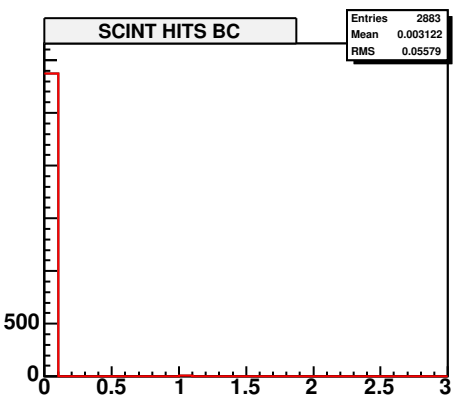

CALHALO
Entries 2883
Mean 8.855
RMS 12.07


TRACKHALO
Entries 2883
Mean 9.591
RMS 28.66

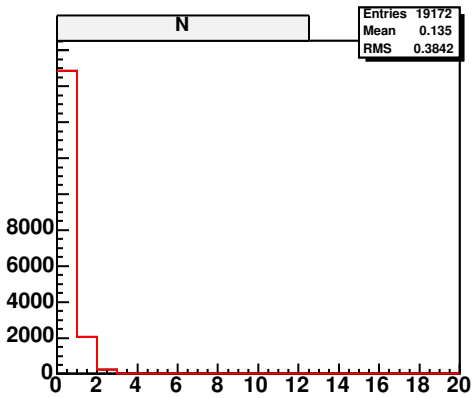

W HITS A
Entries 2883
Mean 2.871
RMS 1.182

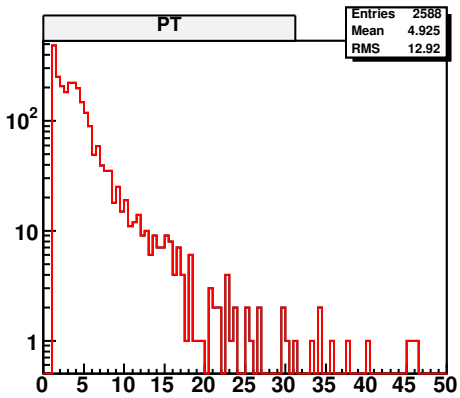

W HITS BC
Entries 2883
Mean 0.01249
RMS 0.2087

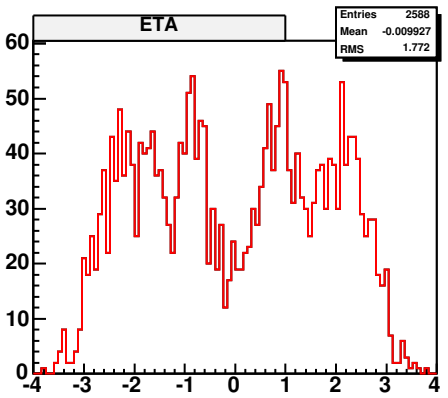

SCINT HITS A
Entries 2883
Mean 0.6961
RMS 0.4599

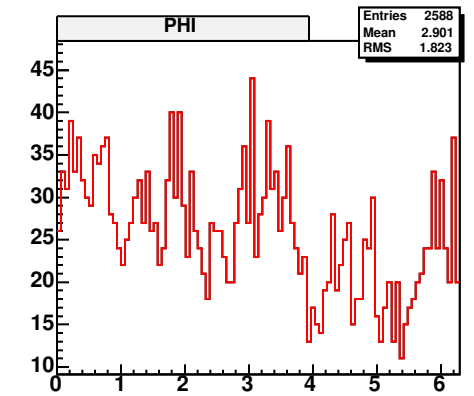

SCINT HITS BC
Entries 2883
Mean 0.003122
RMS 0.05579

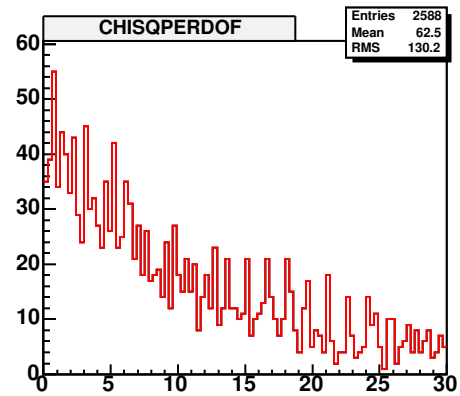
Muons (Astub)

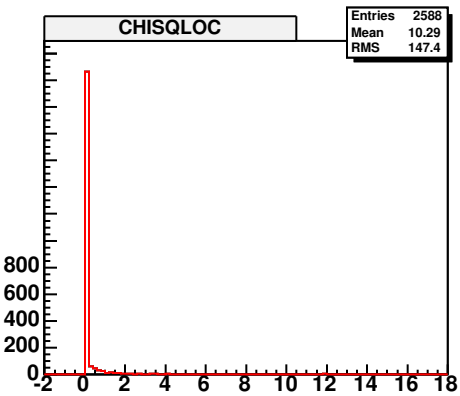


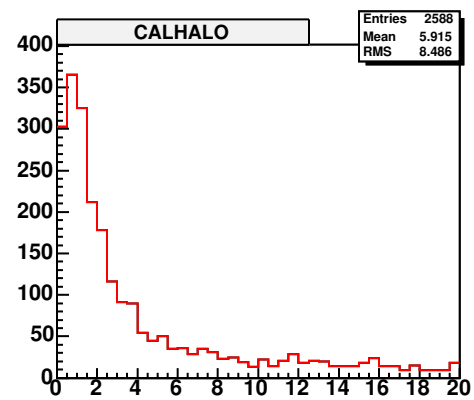


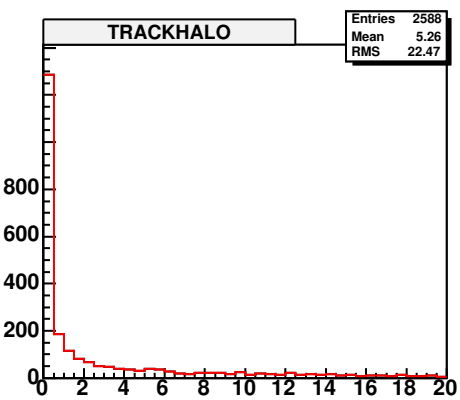


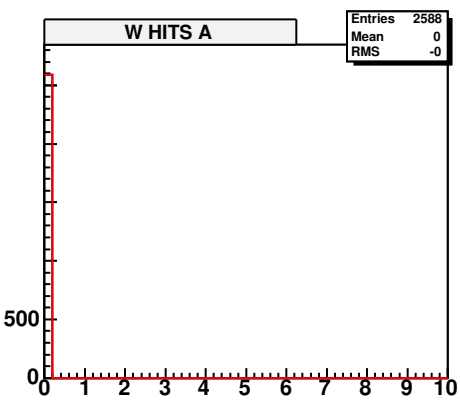


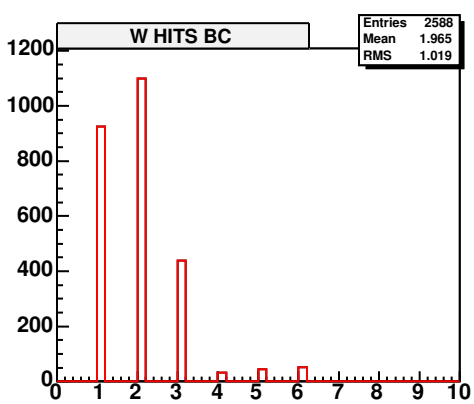


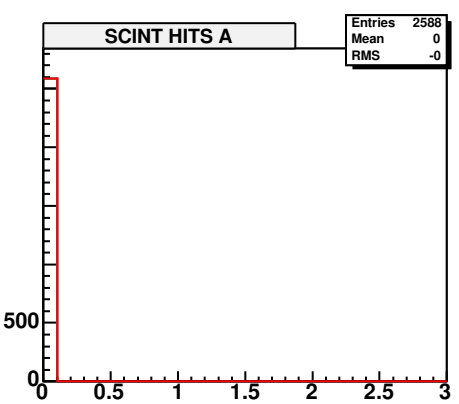


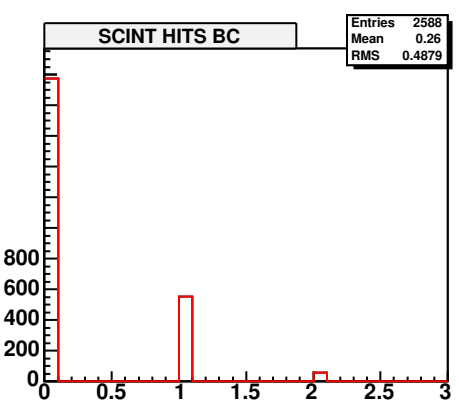




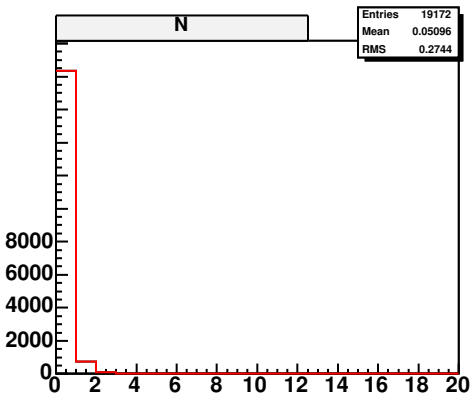


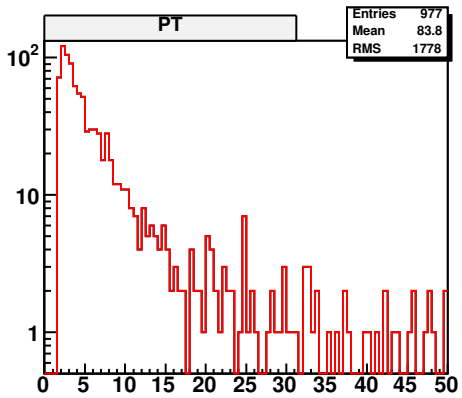


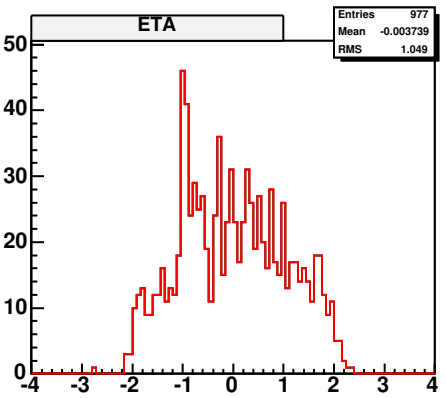


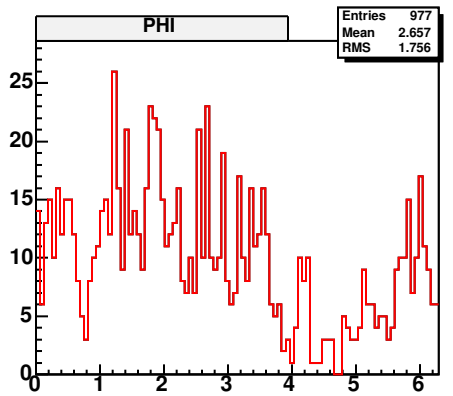


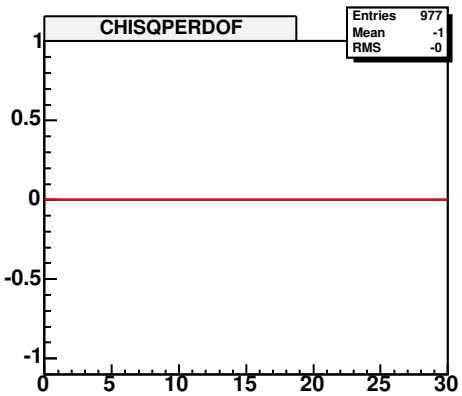
Muons (BCstub)

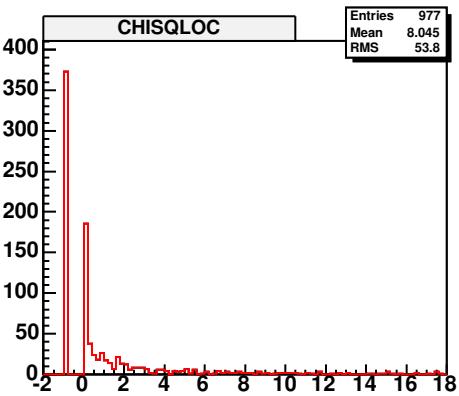


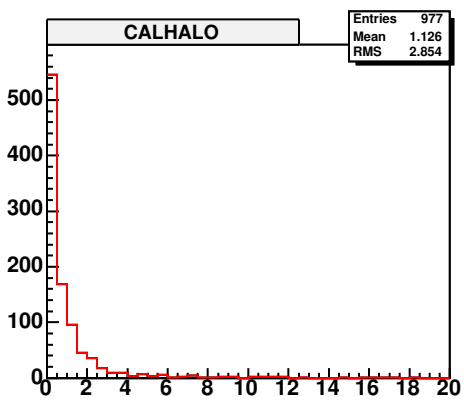


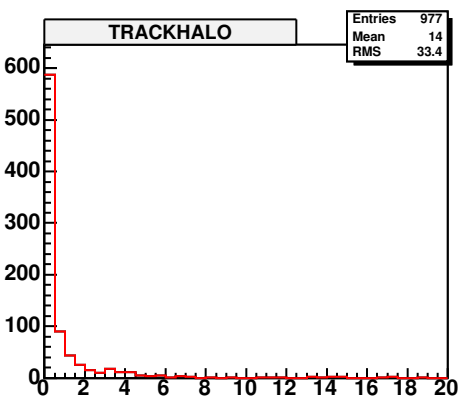


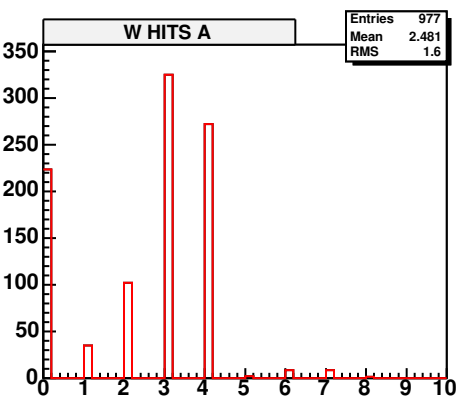


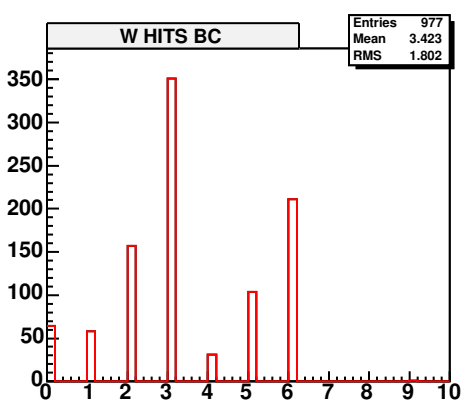


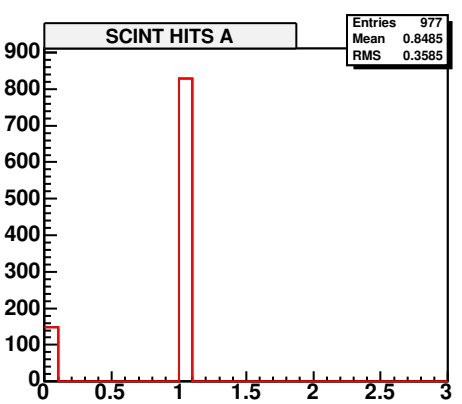


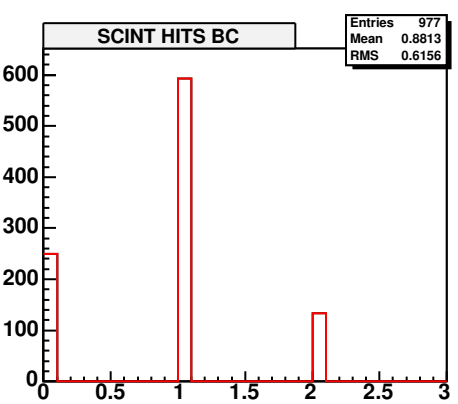




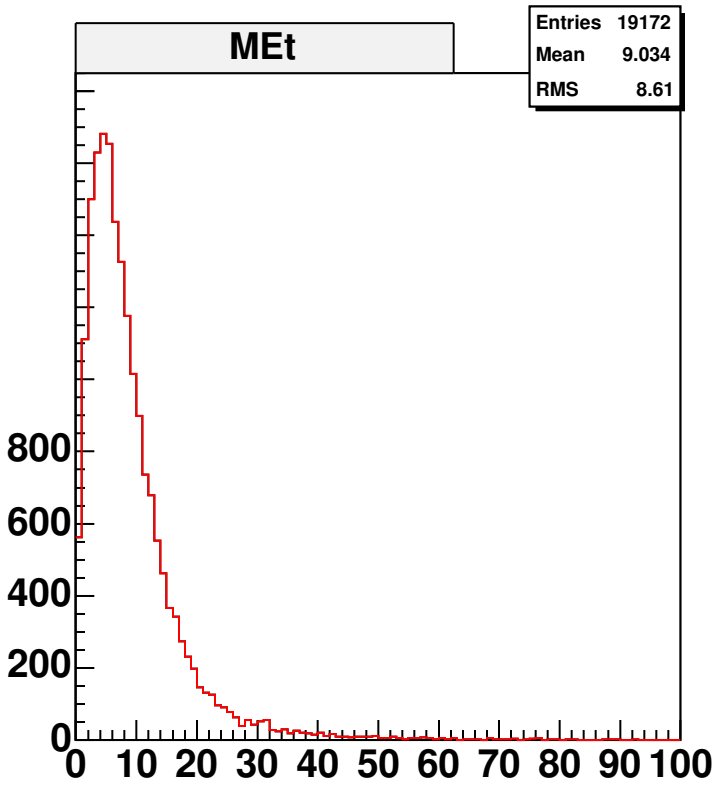


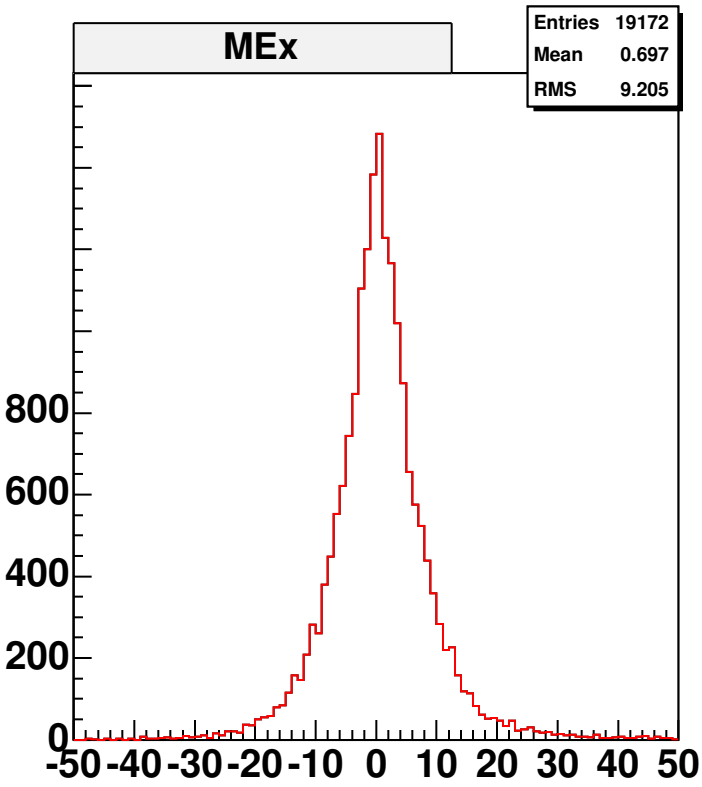






Muons (Unmatched)


MEt
Entries 19172
Mean 9.034
RMS 8.61
800
600
400
200
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 19172
Mean 0.697
RMS 9.205
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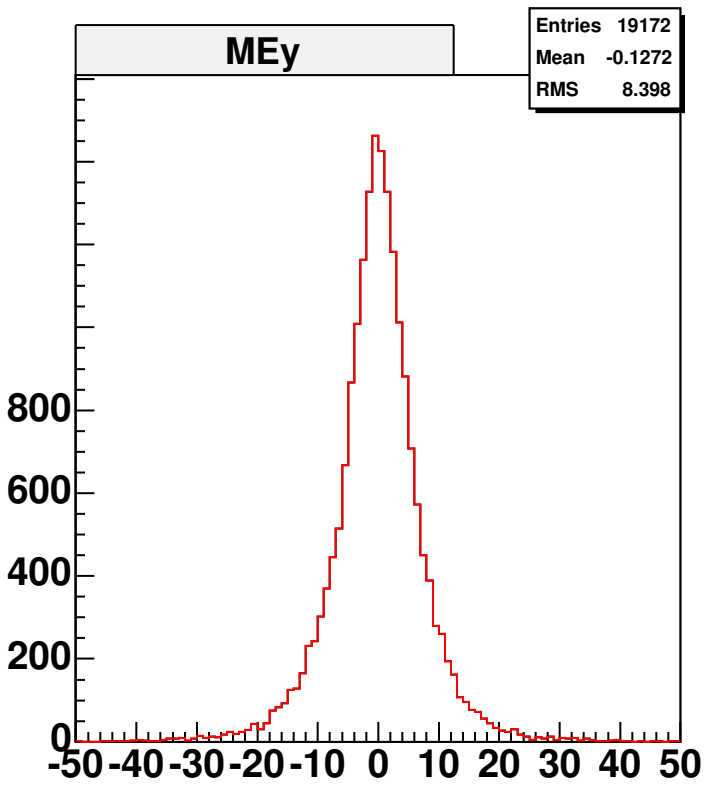
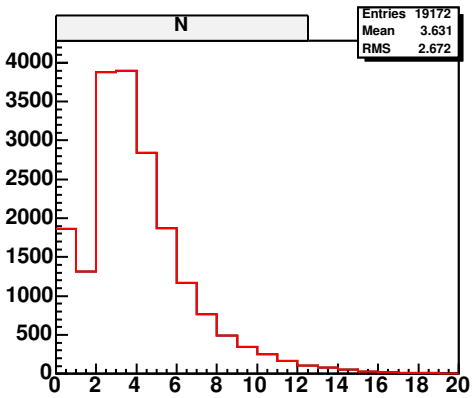
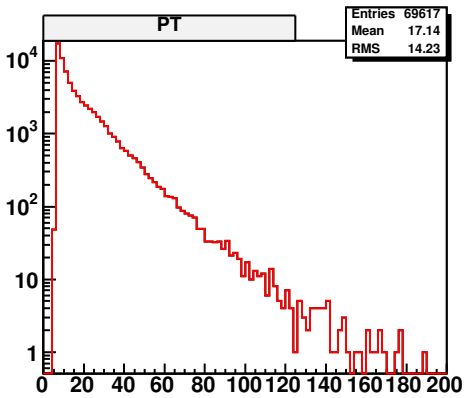
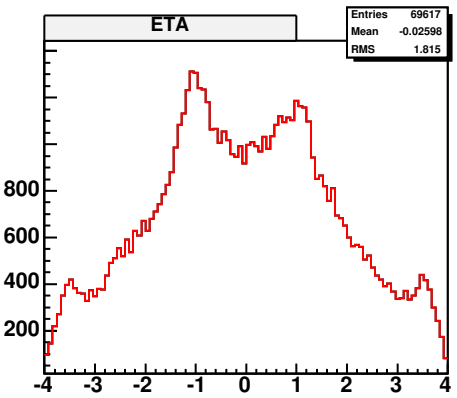
600
400
200
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

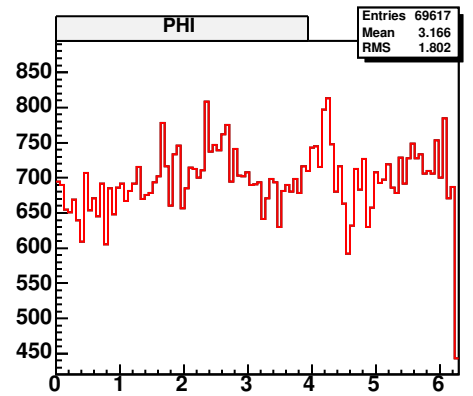

MEy
Entries 19172
Mean -0.1272
RMS 8.398
800
600
400
200
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

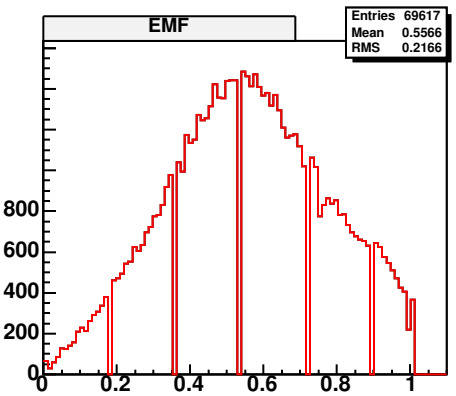
Met (No cuts)

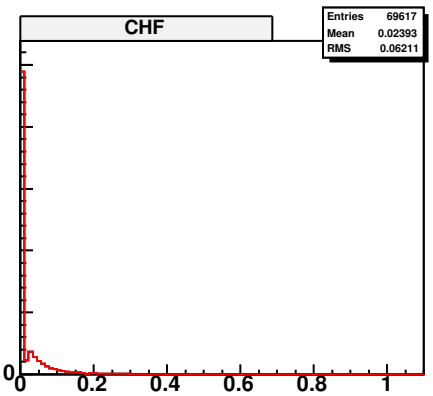


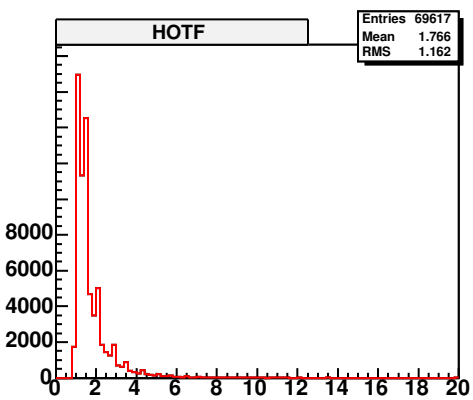


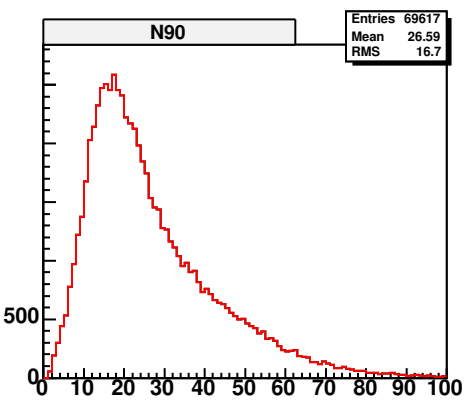


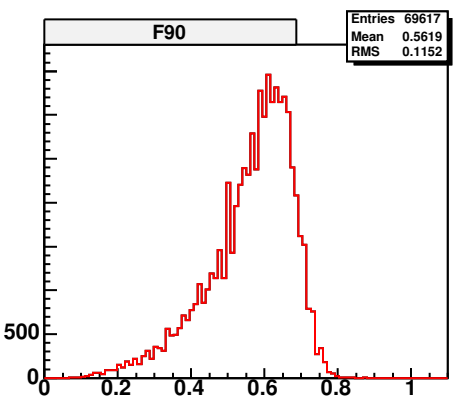


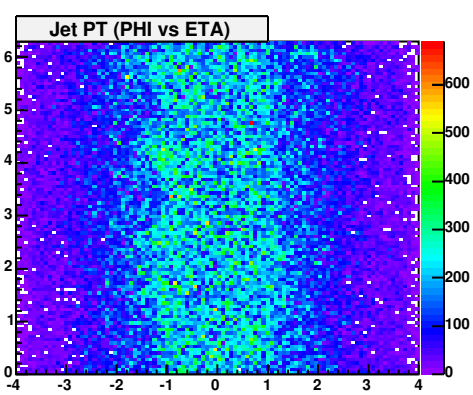




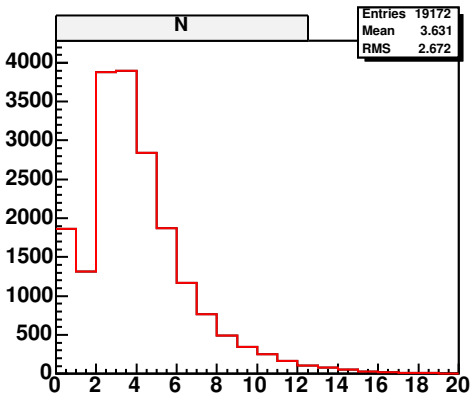


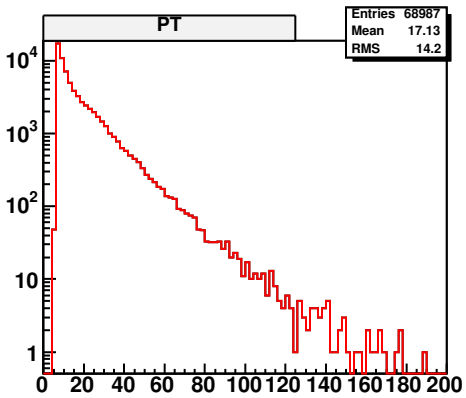


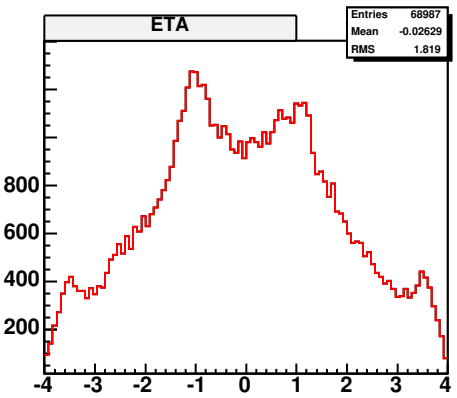


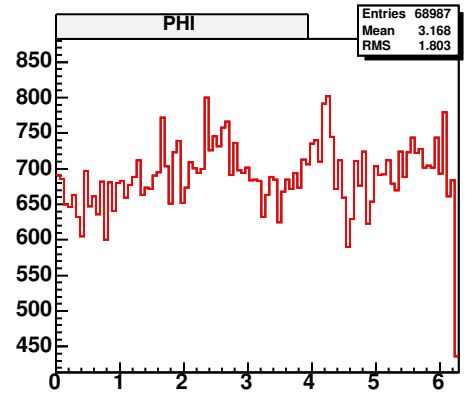


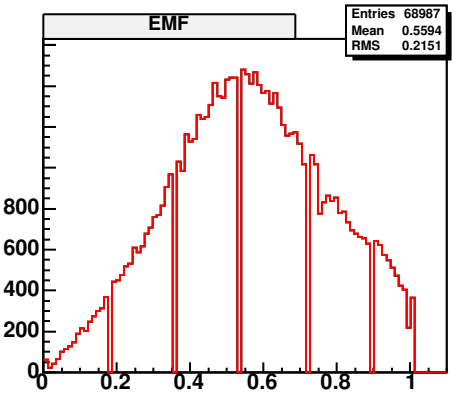
Jets (Cone R 0.7 (no cuts))

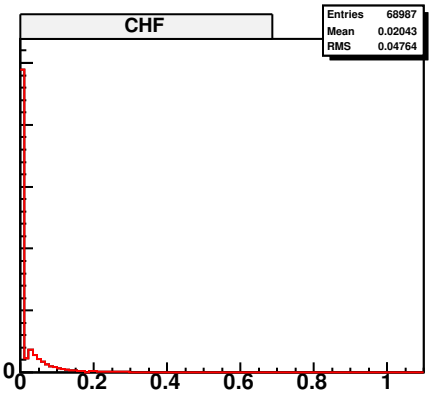


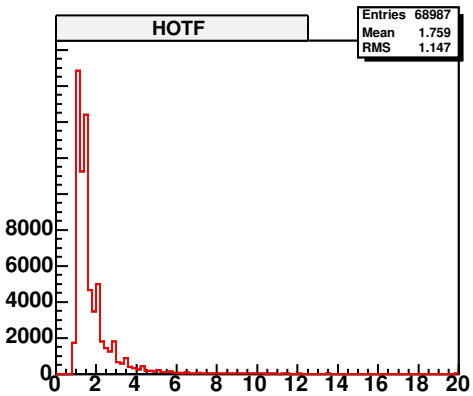


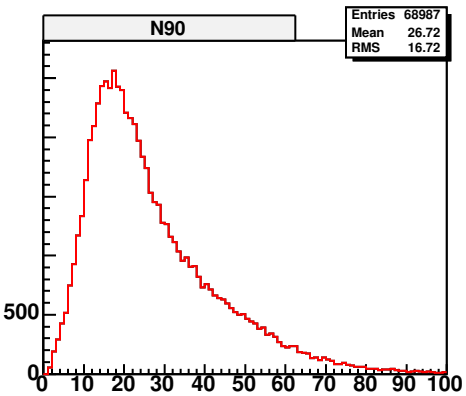


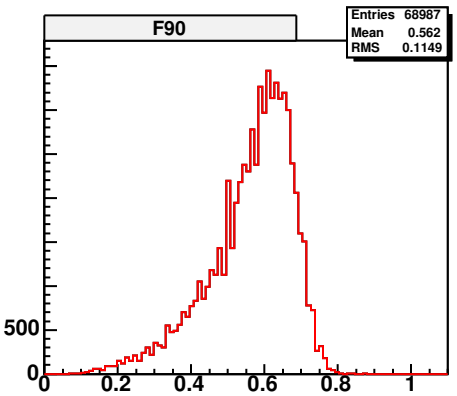


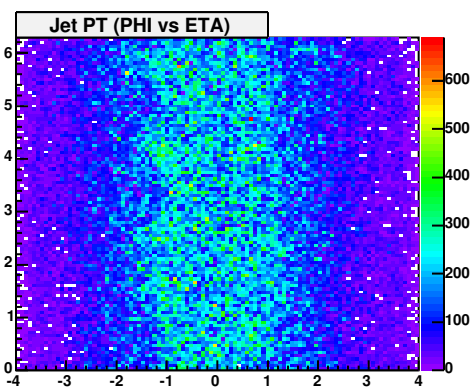




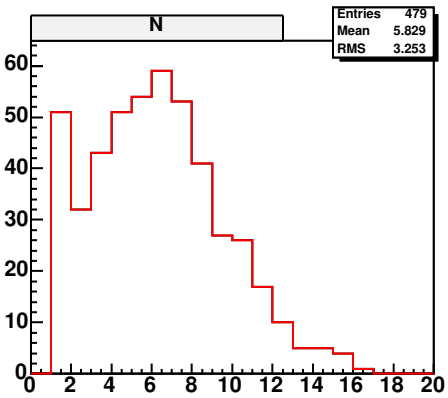


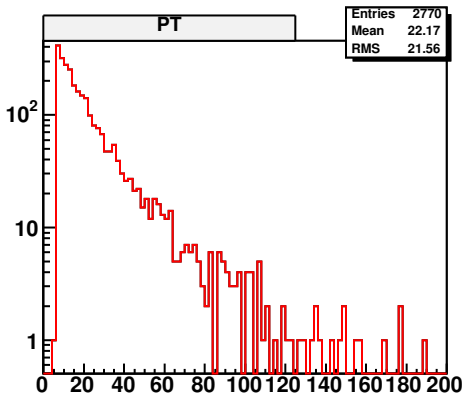


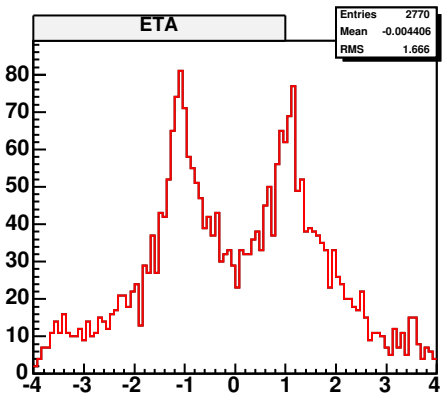


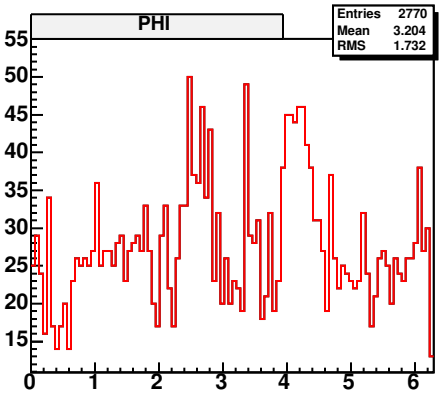


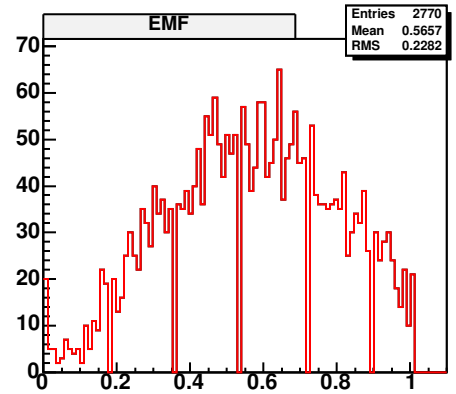
Jets (Cone R 0.7 (standard cuts))

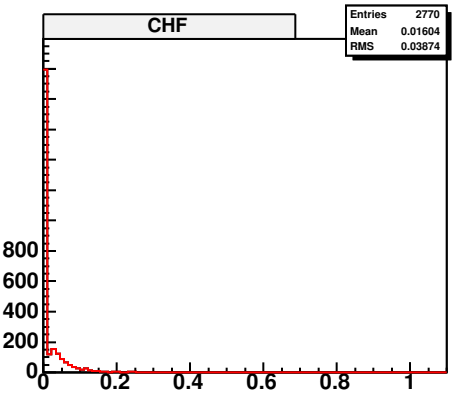


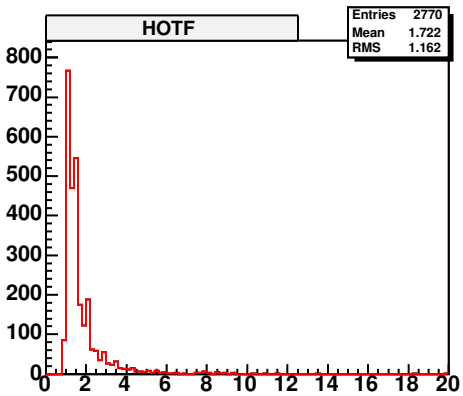


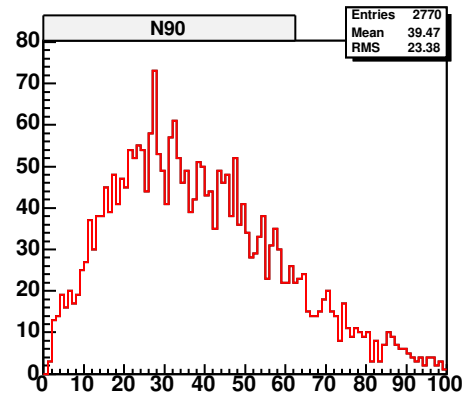


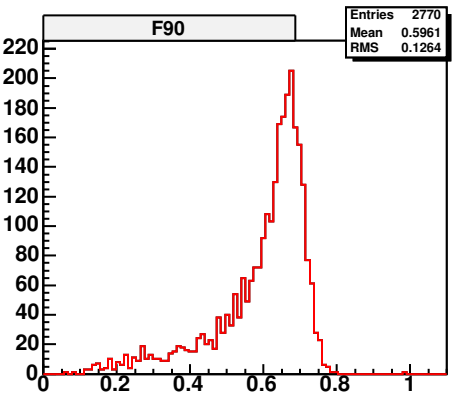


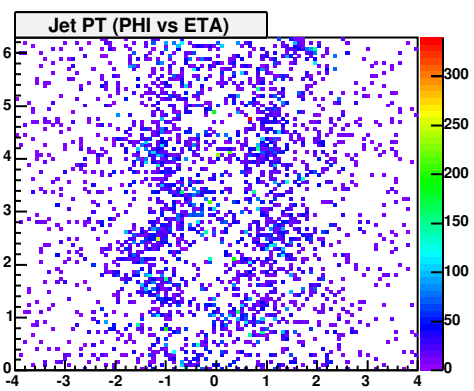




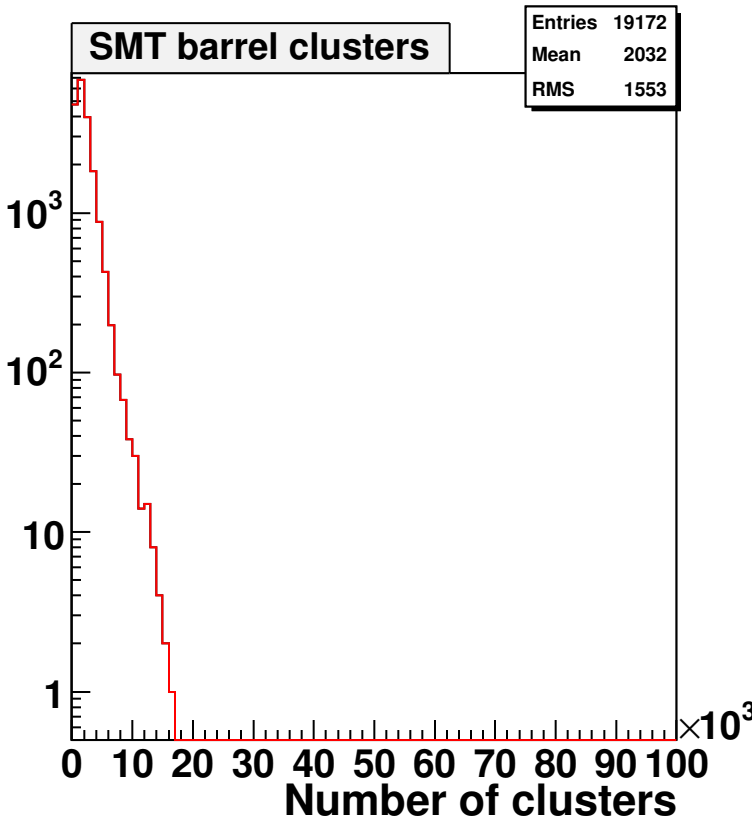


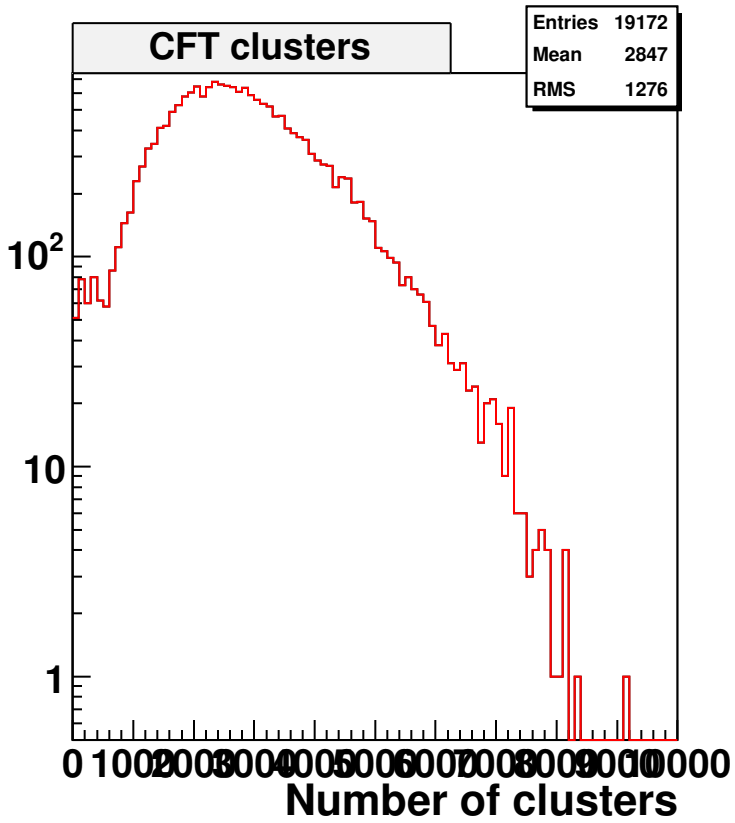


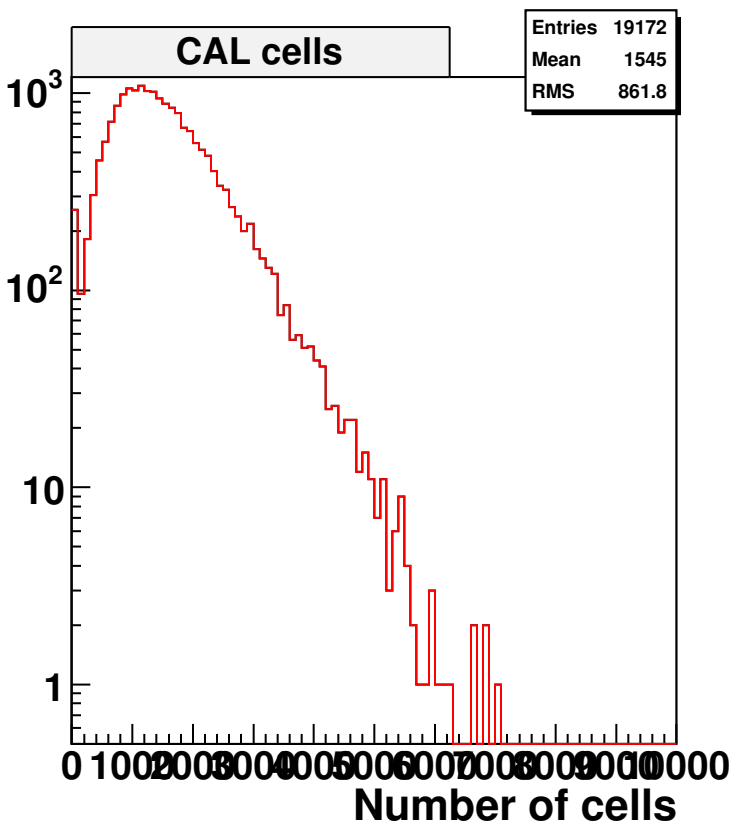


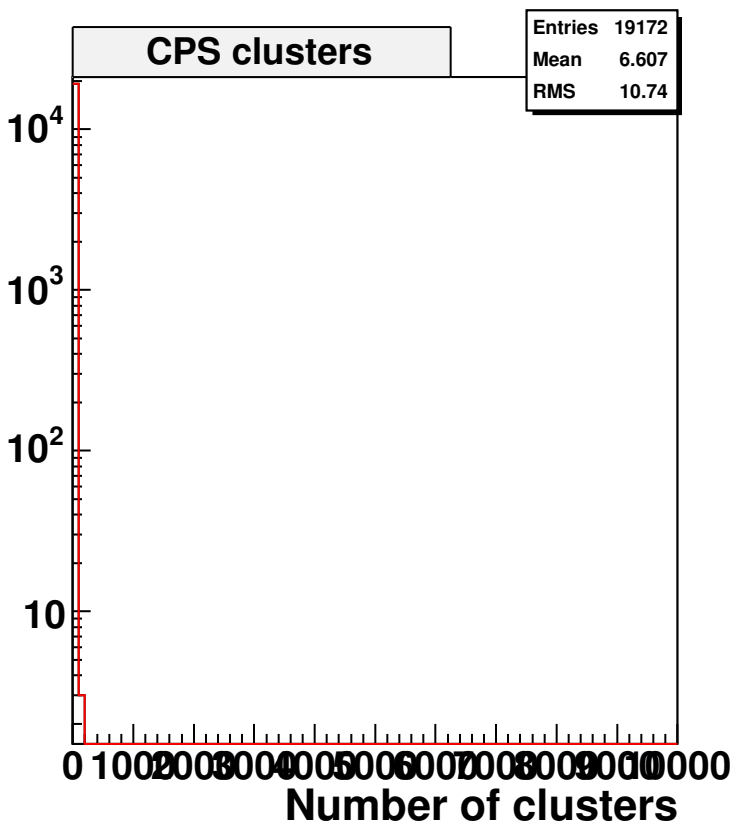


Jets (Cone R 0.7 (standard cuts, MET>30))

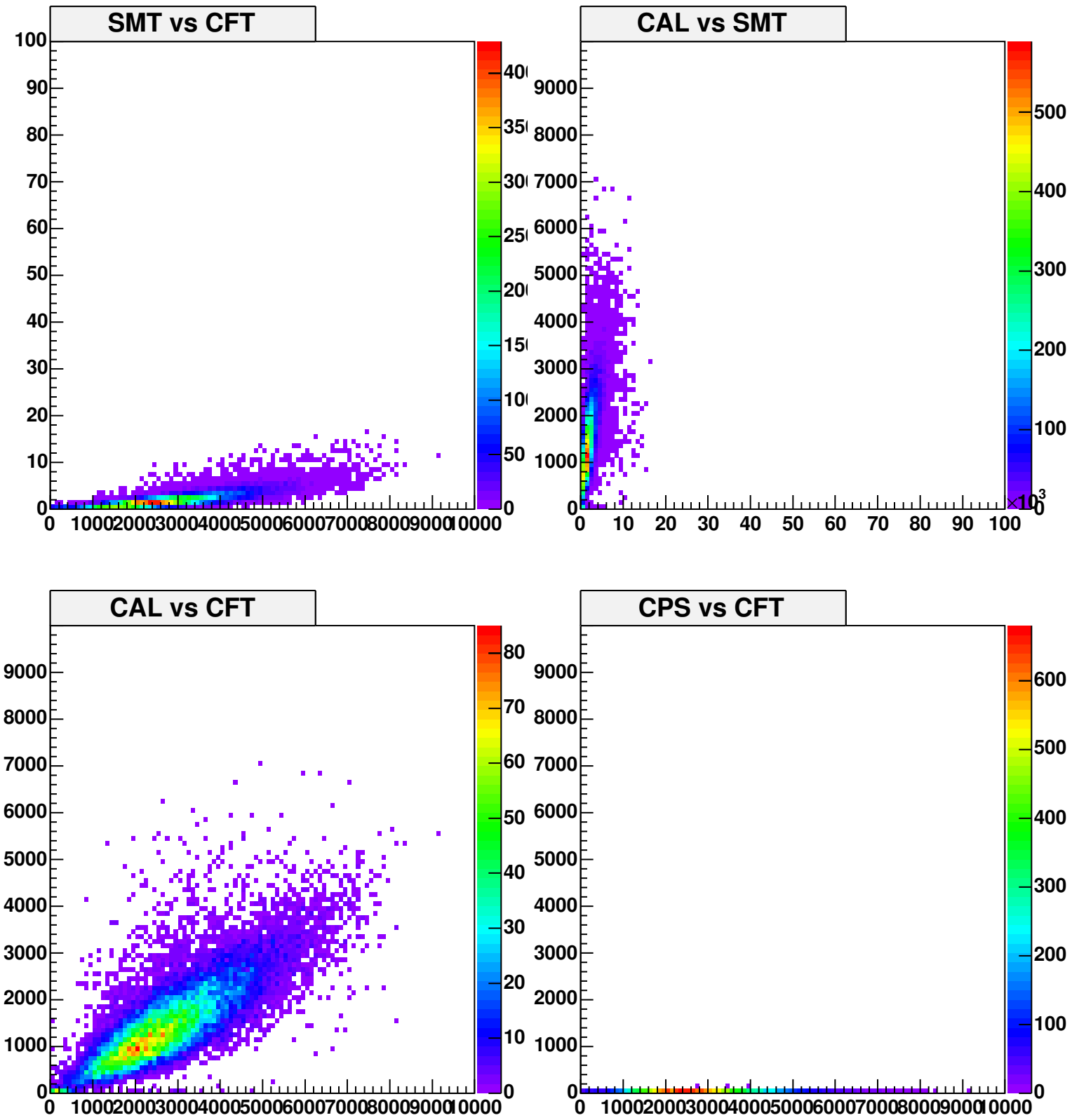




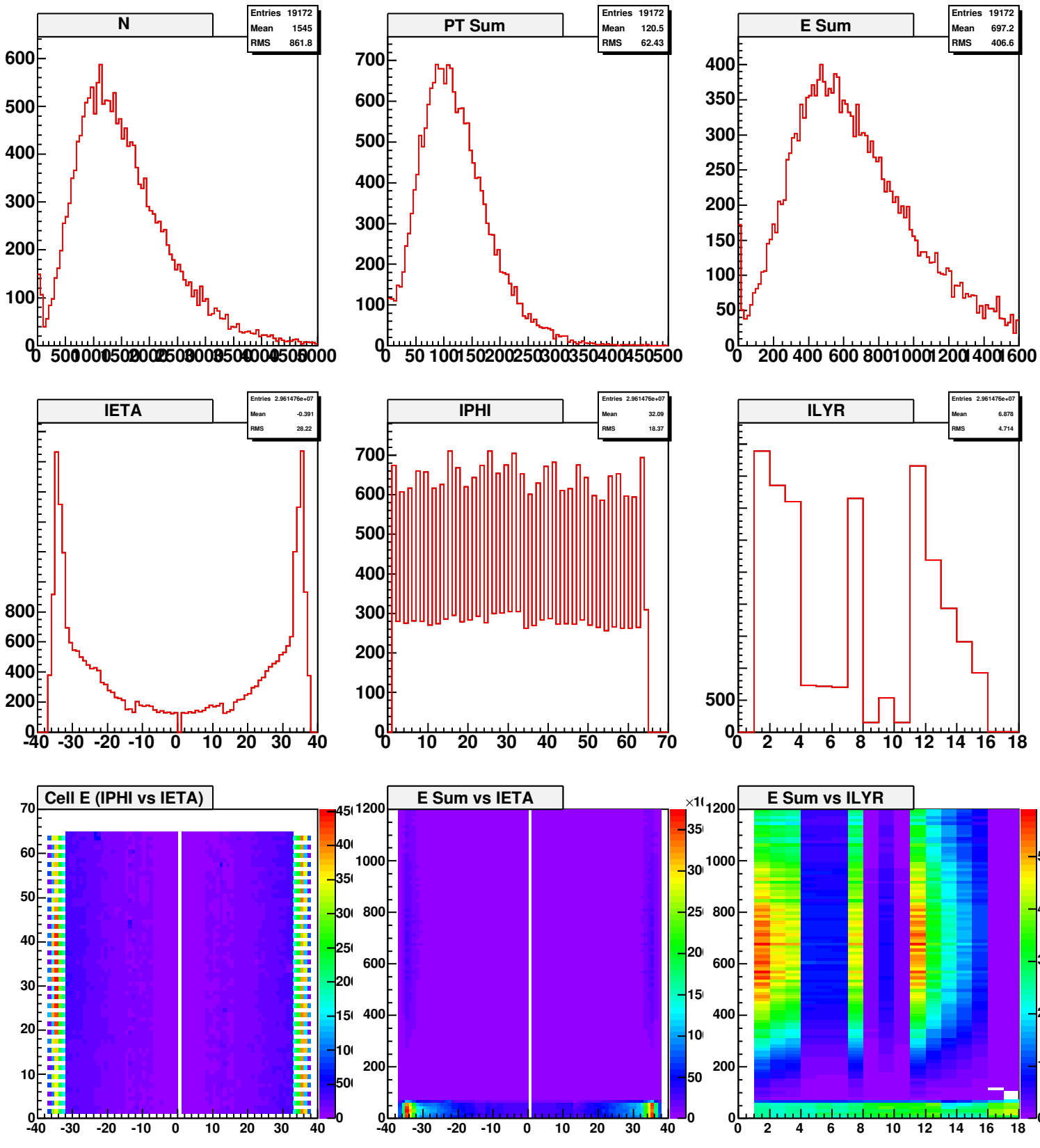




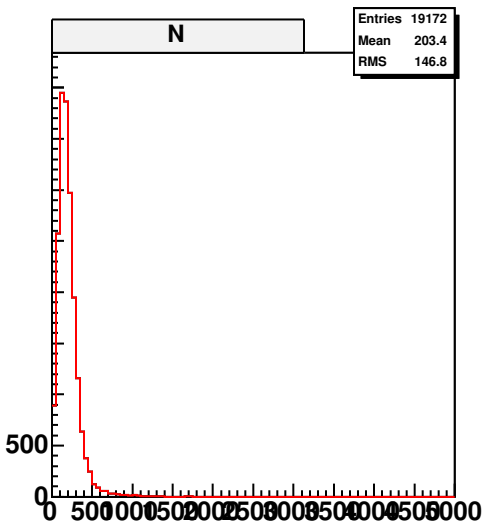
Detector Occupancy (Detector)

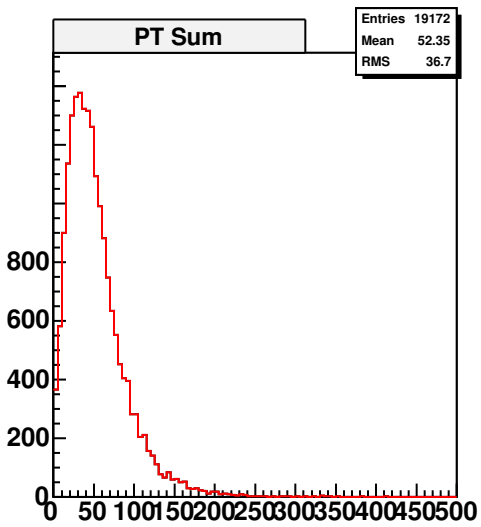


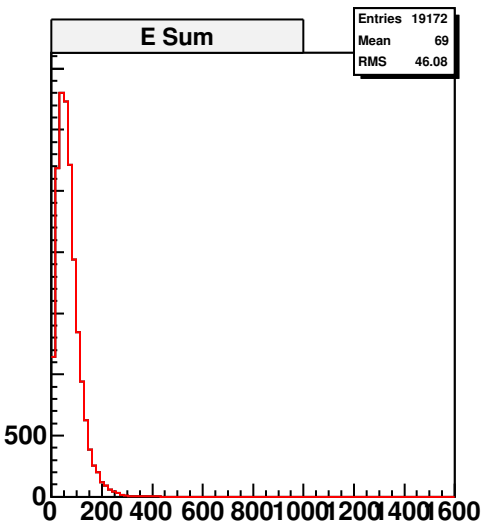
Detector Occupancy (Detector)

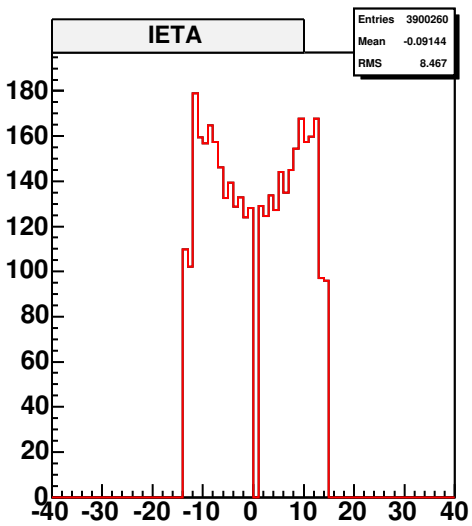


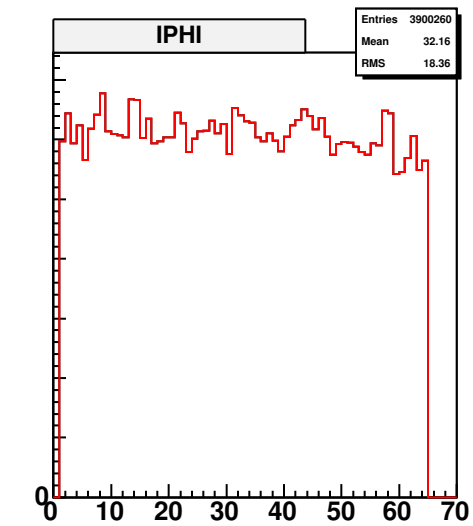
Calorimeter (All cells)

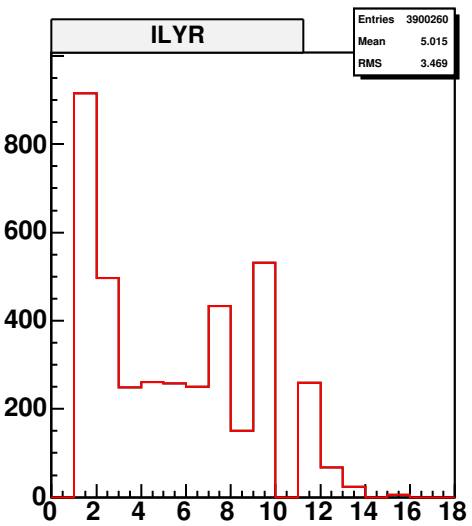


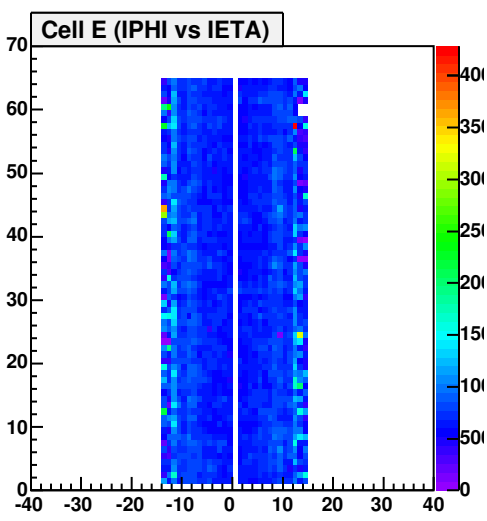


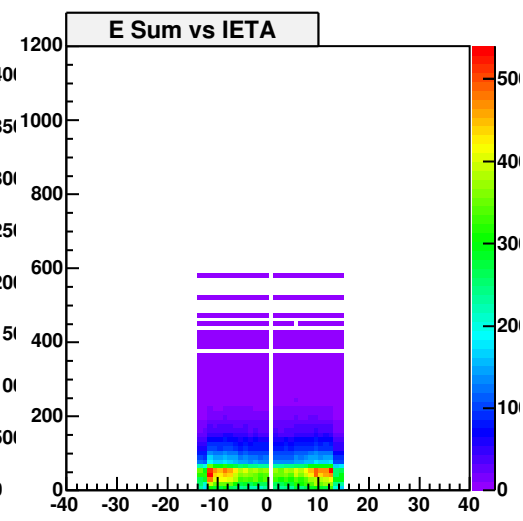


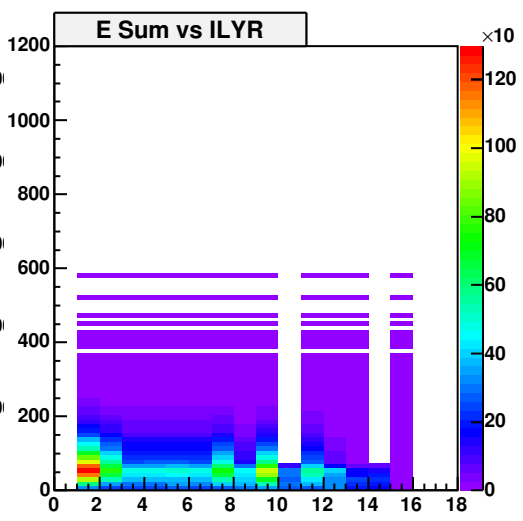




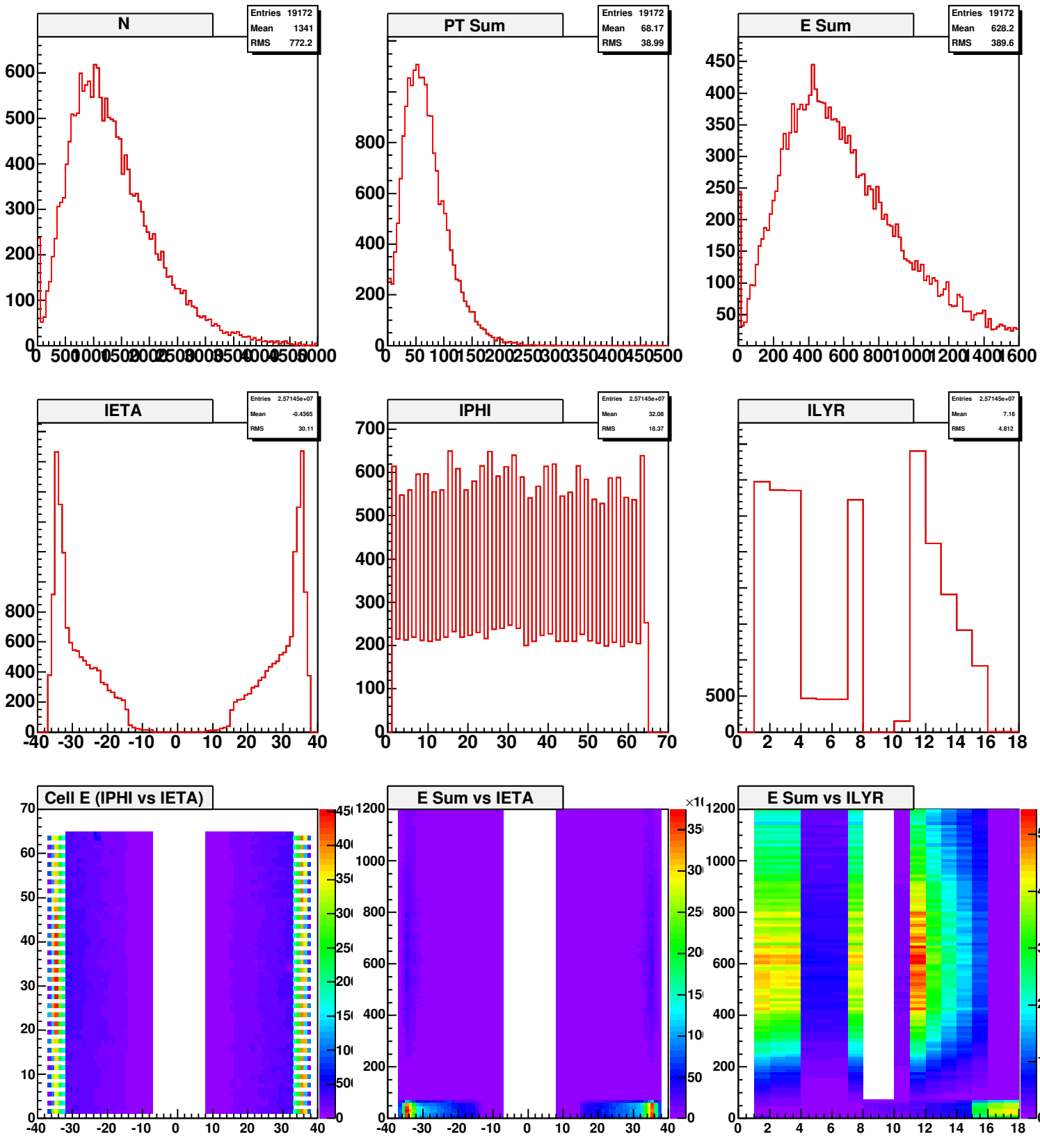




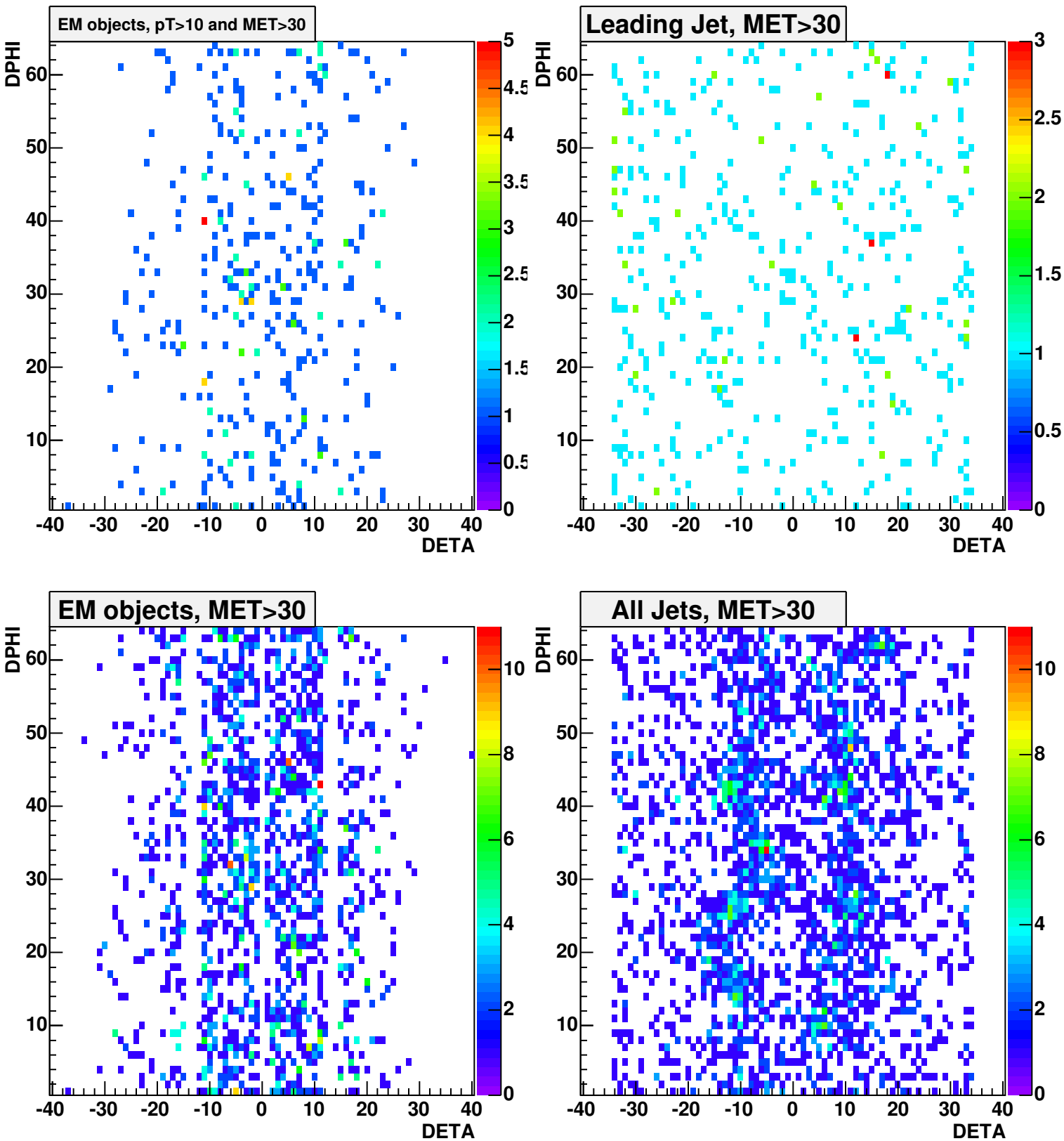




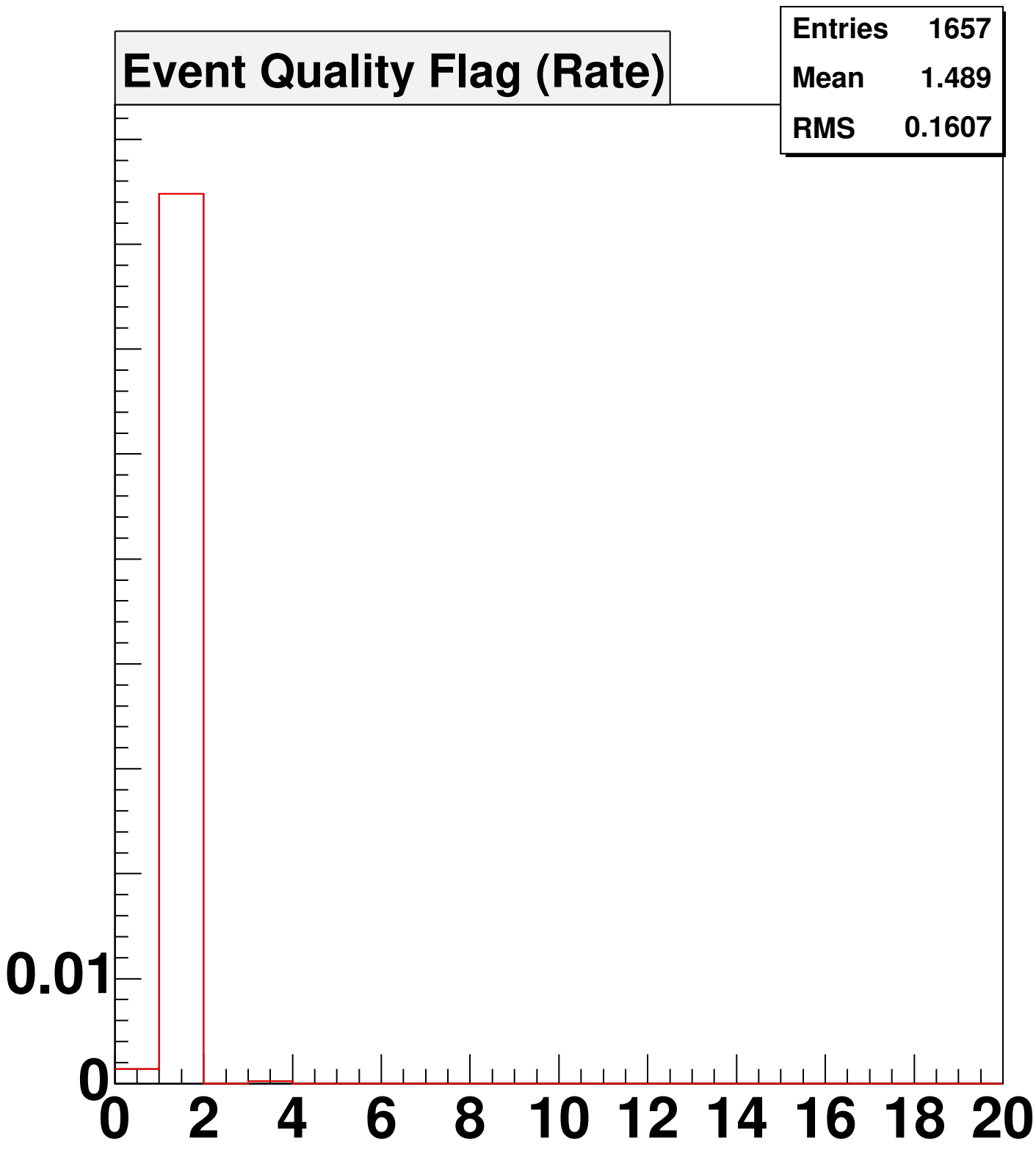
Calorimeter (All CC cells)

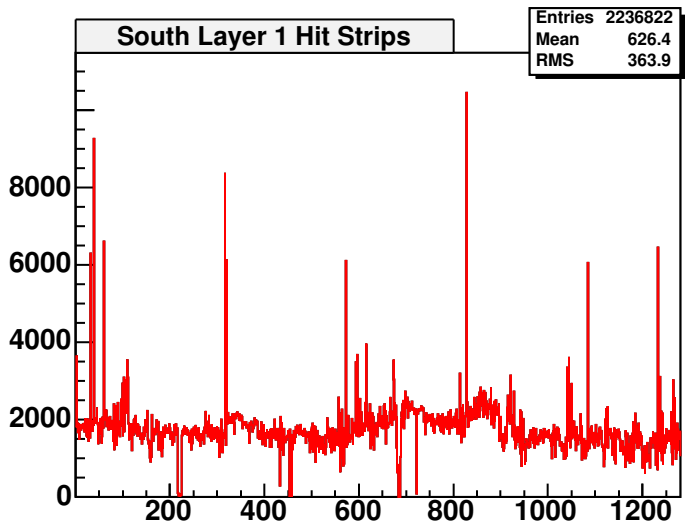


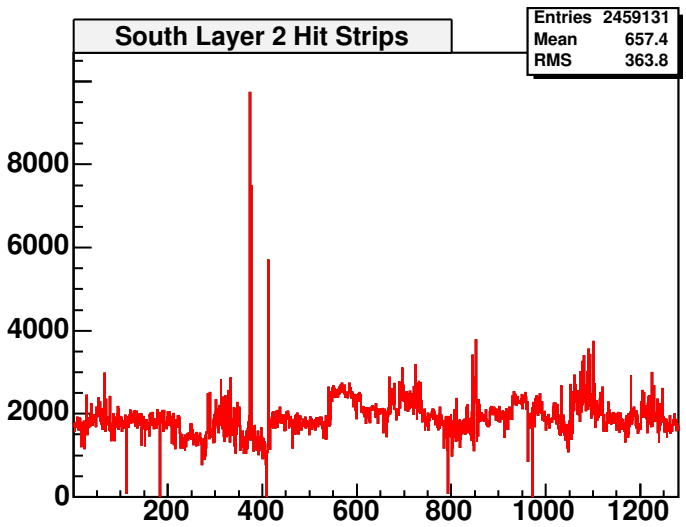
Calorimeter (All EC cells)

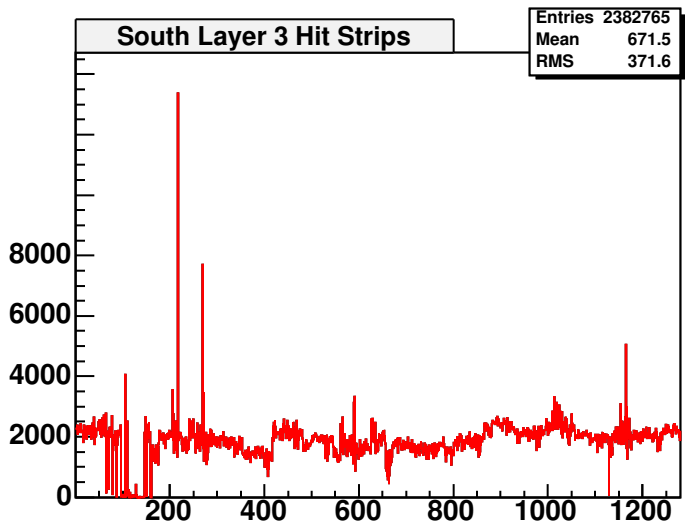


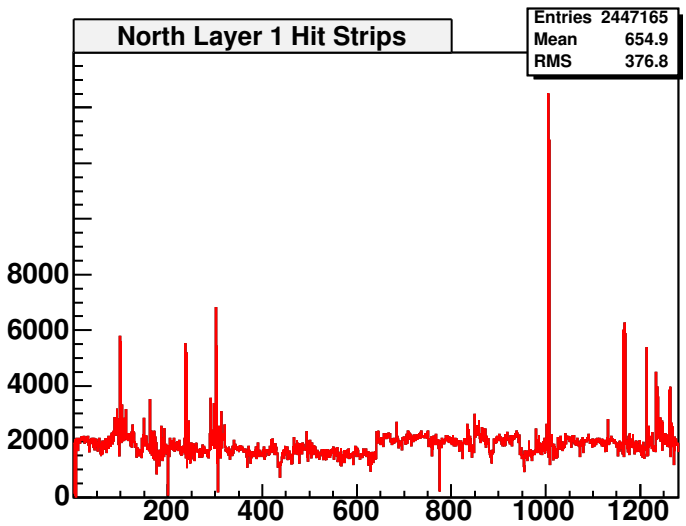
Cal Objects with MET>30 (All cells)

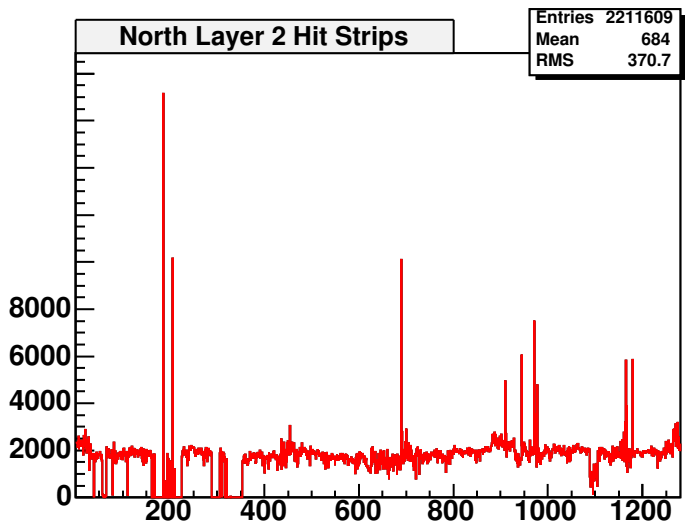

Event Quality Flag (Rate)
Entries 1657
Mean 1.489
RMS 0.1607
0.01
0
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

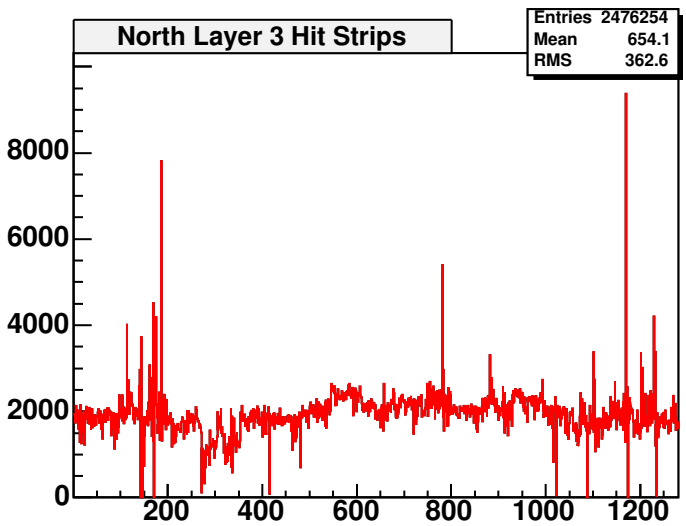




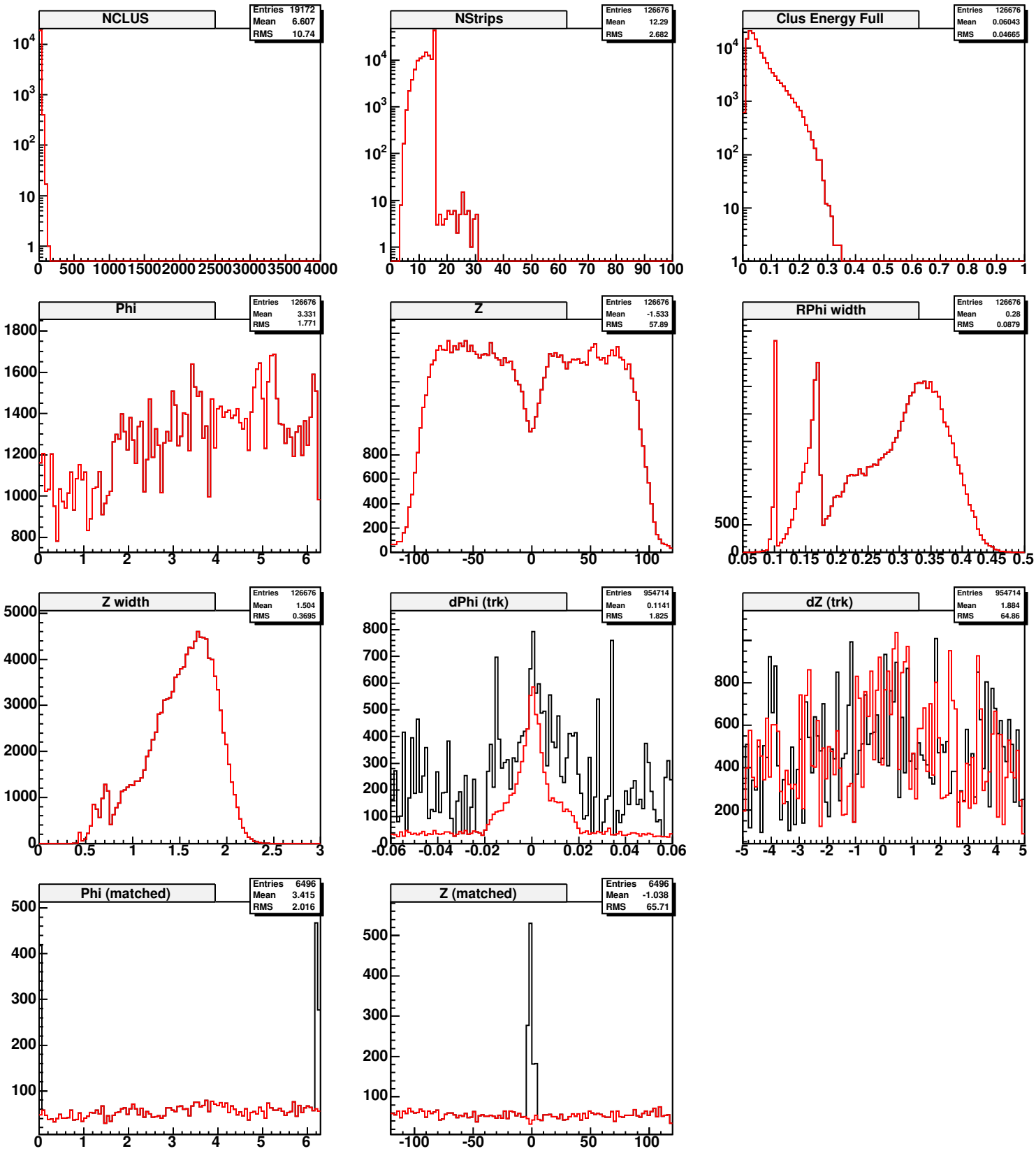




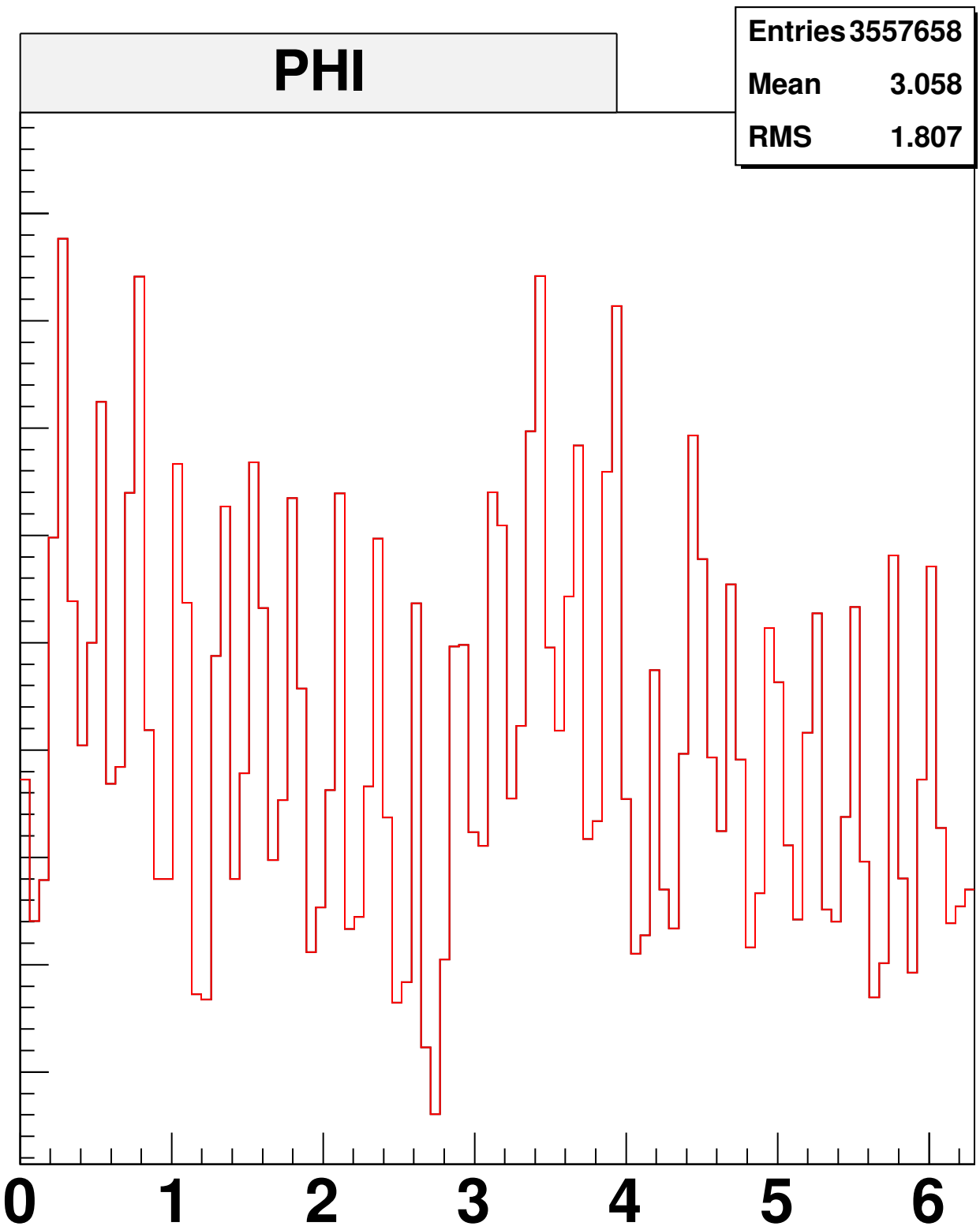


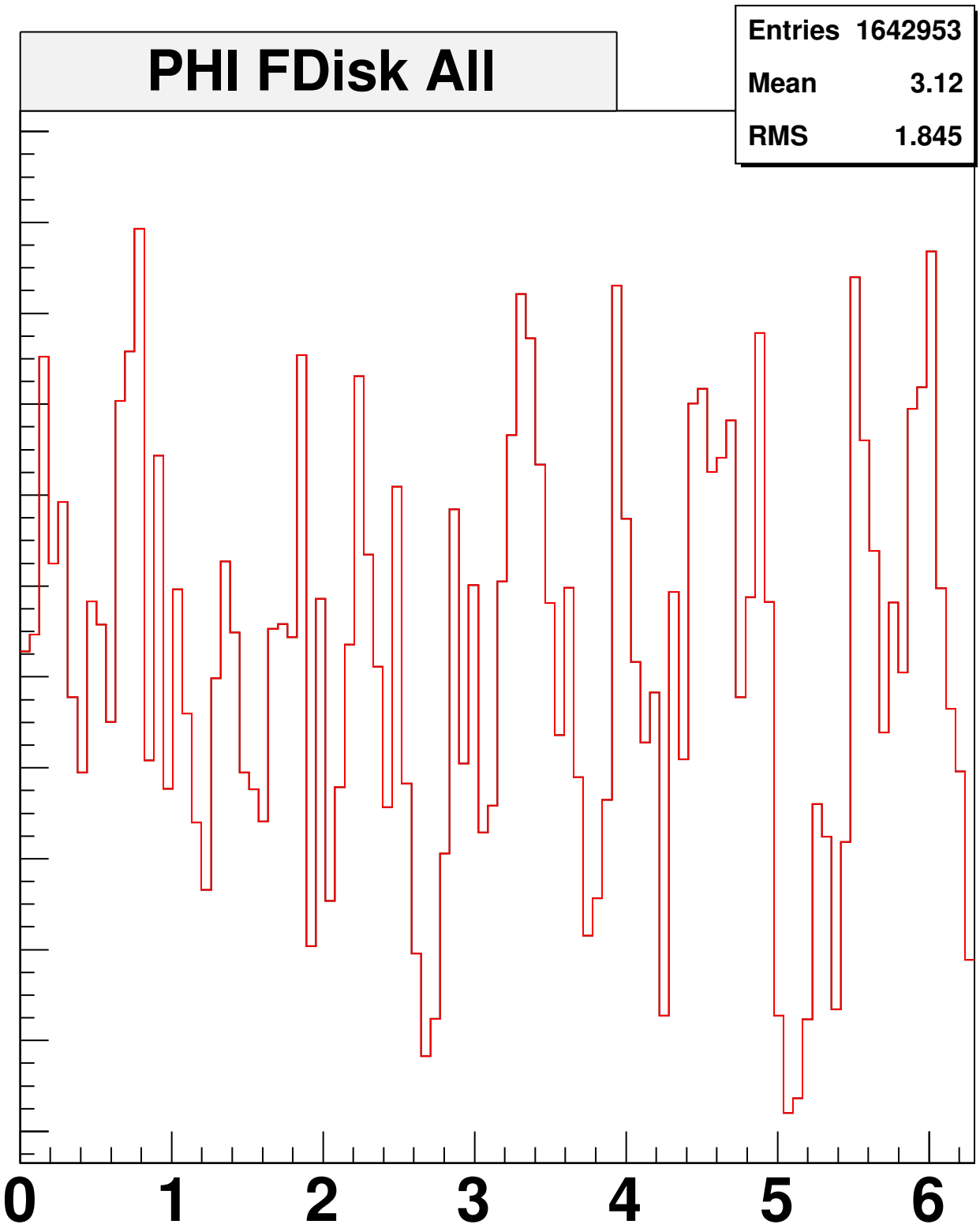


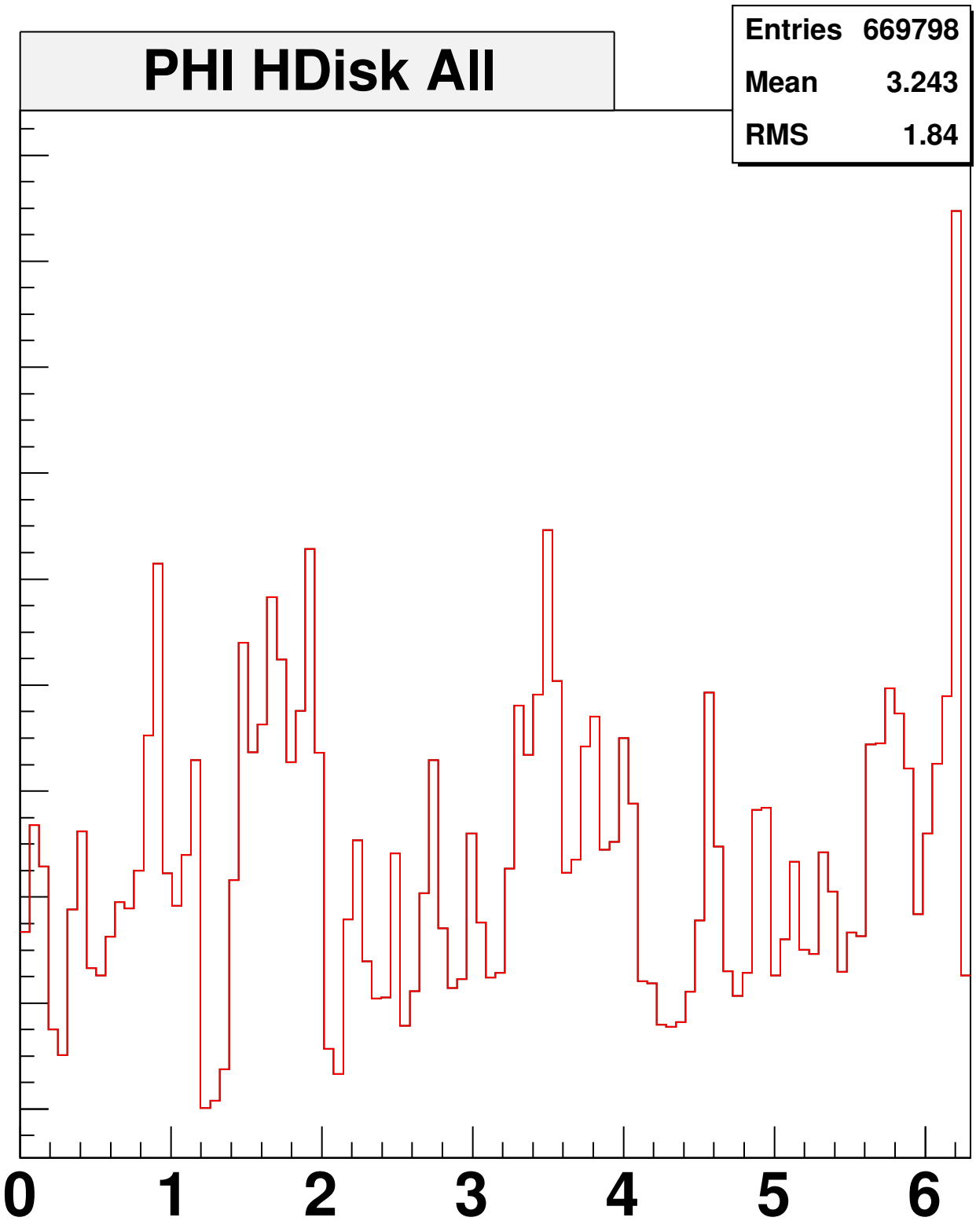
CPS Hit Strips (All Clusters)

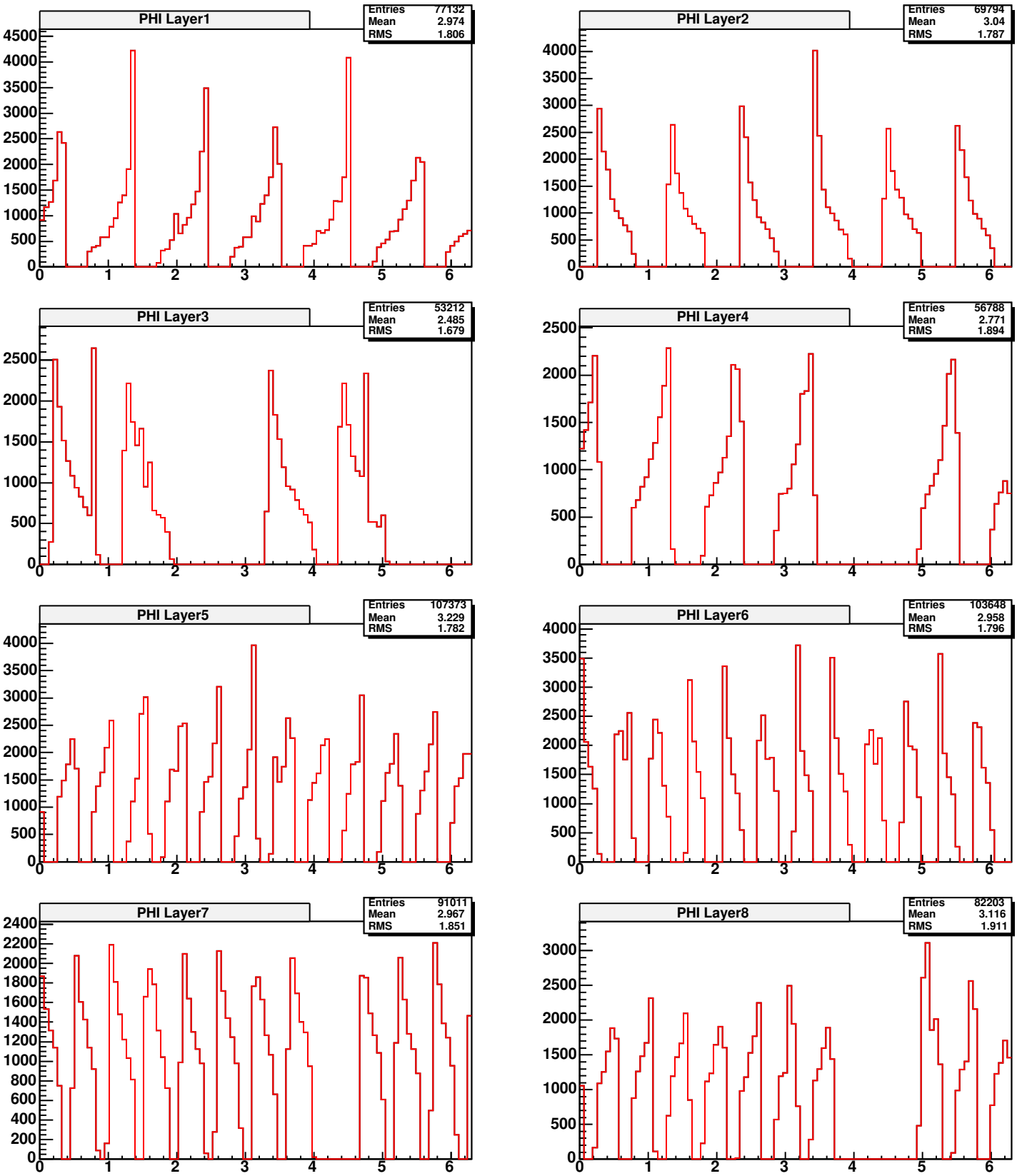


CPS Clusters (All Clusters)

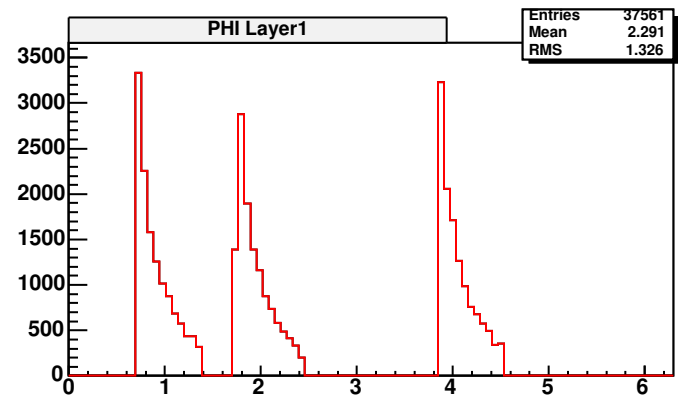

PHI
Entries 3557658
Mean 3.058
RMS 1.807
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

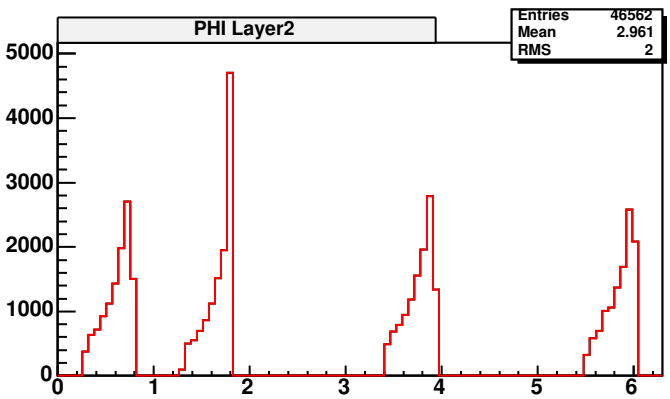

PHI FDisk All
Entries 1642953
Mean 3.12
RMS 1.845
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

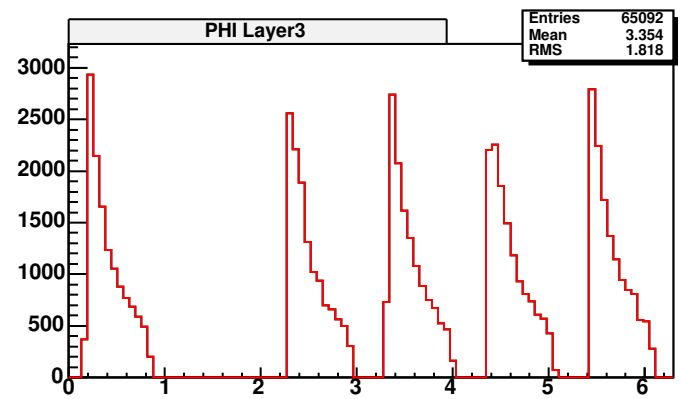

PHI HDisk All
Entries 669798
Mean 3.243
RMS 1.84
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

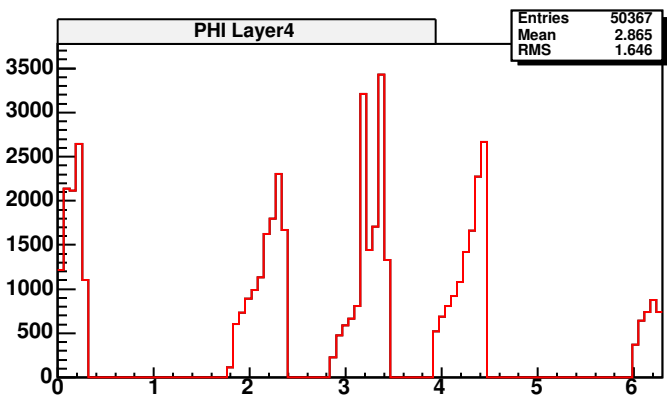


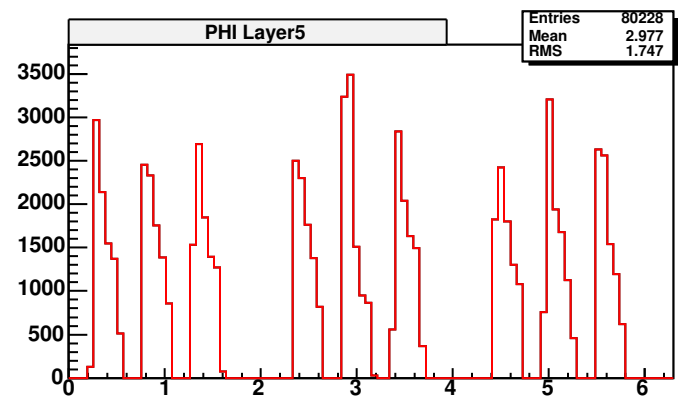
SmtClusters (ClustrBar1)

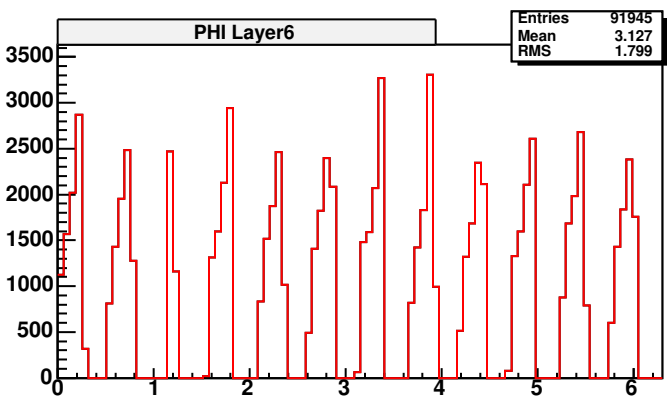


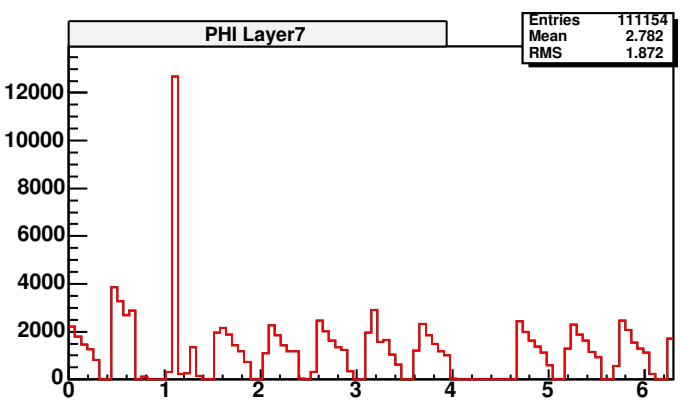


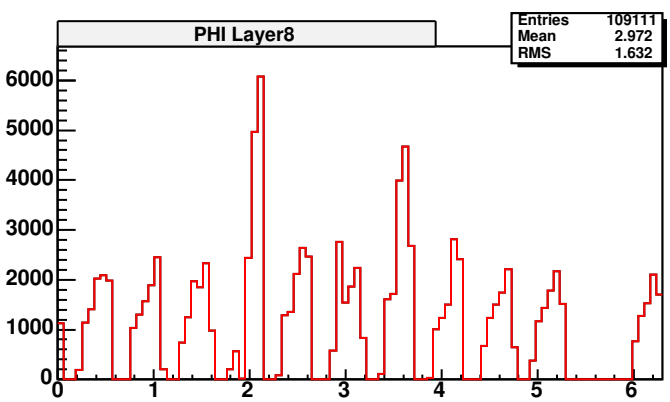




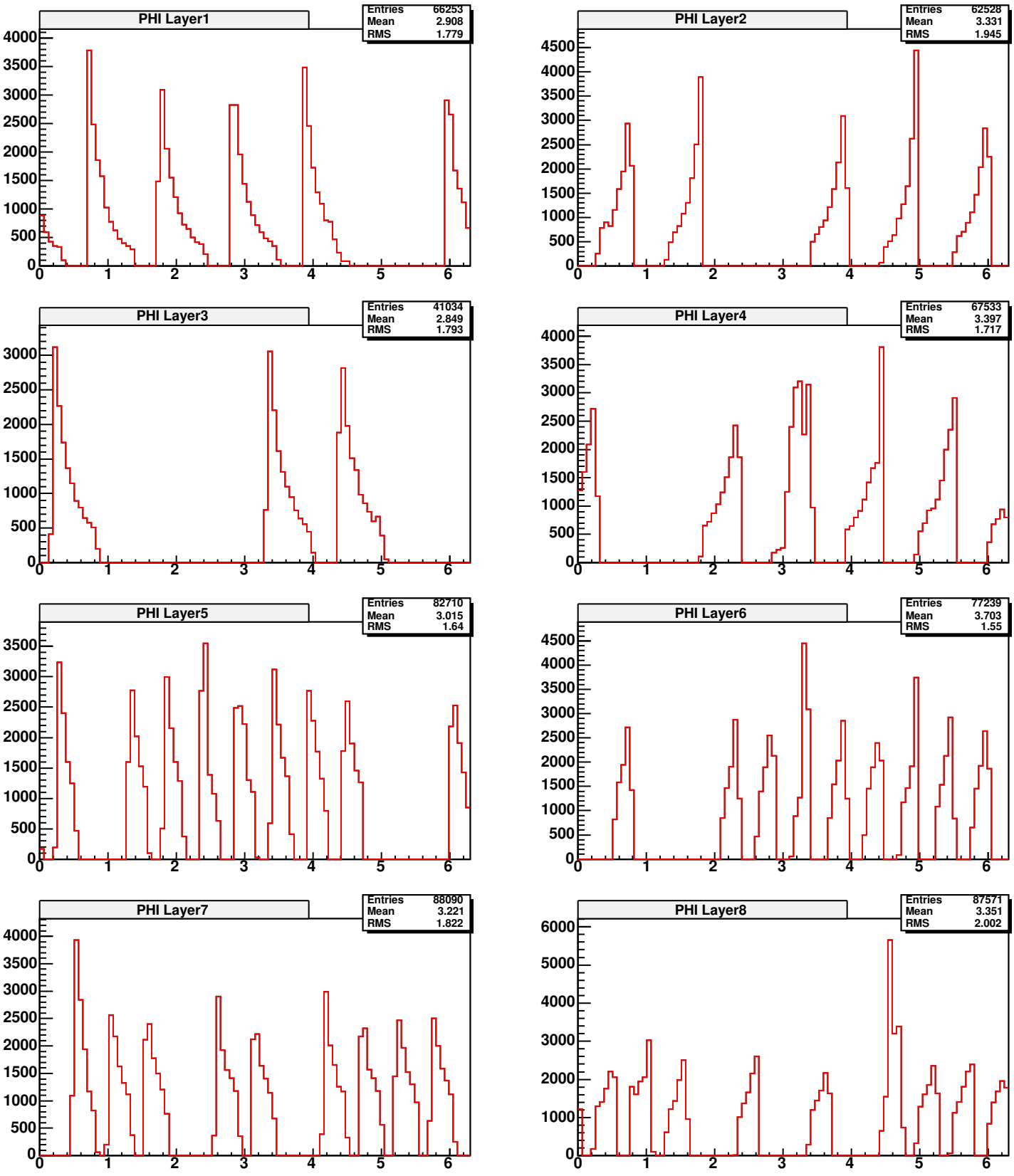




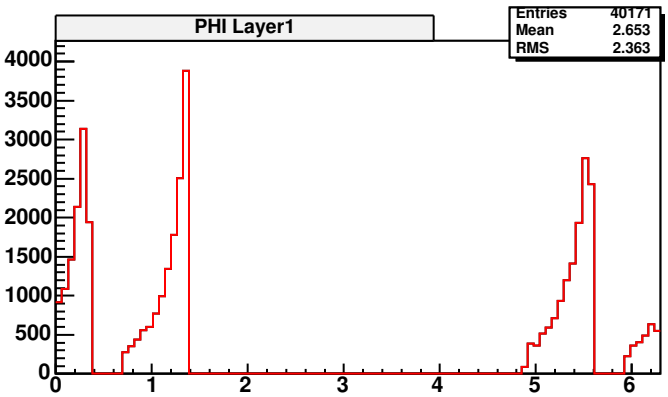


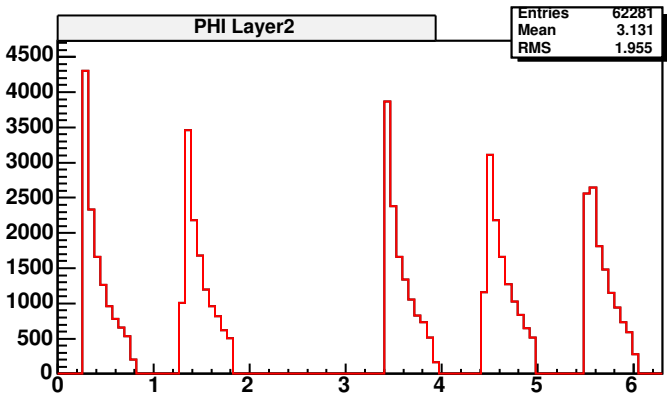


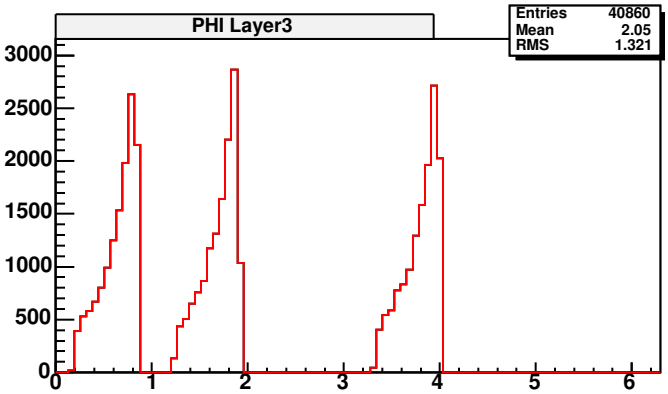
SmtClusters (ClustrBar2)

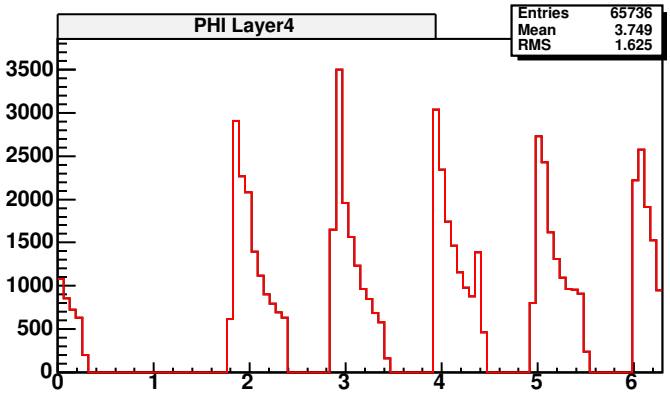


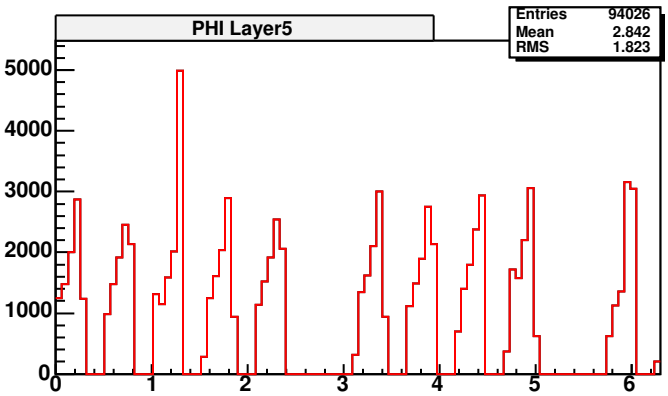
SmtClusters (ClustrBar3)

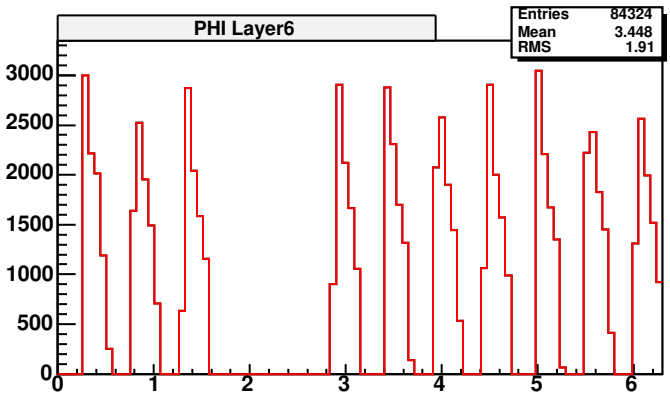


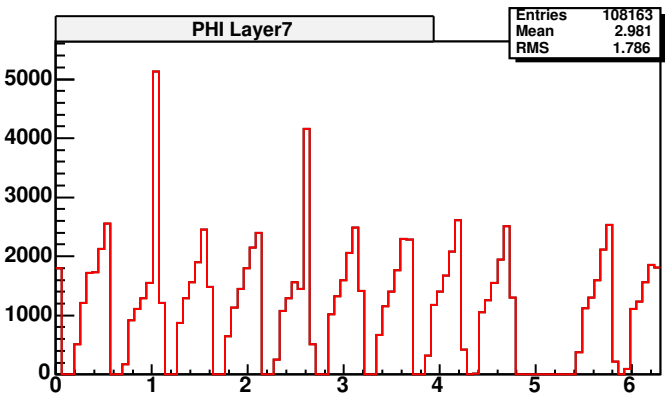


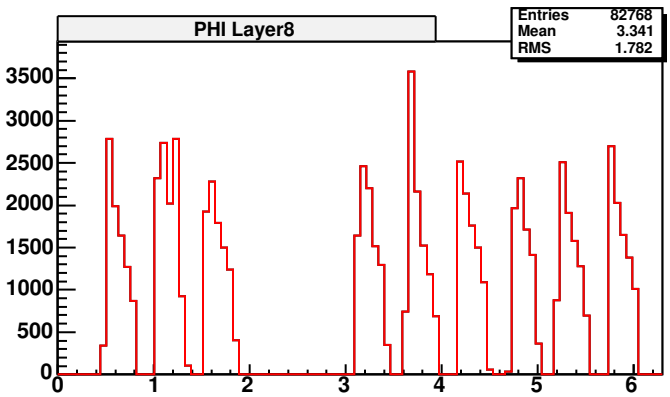




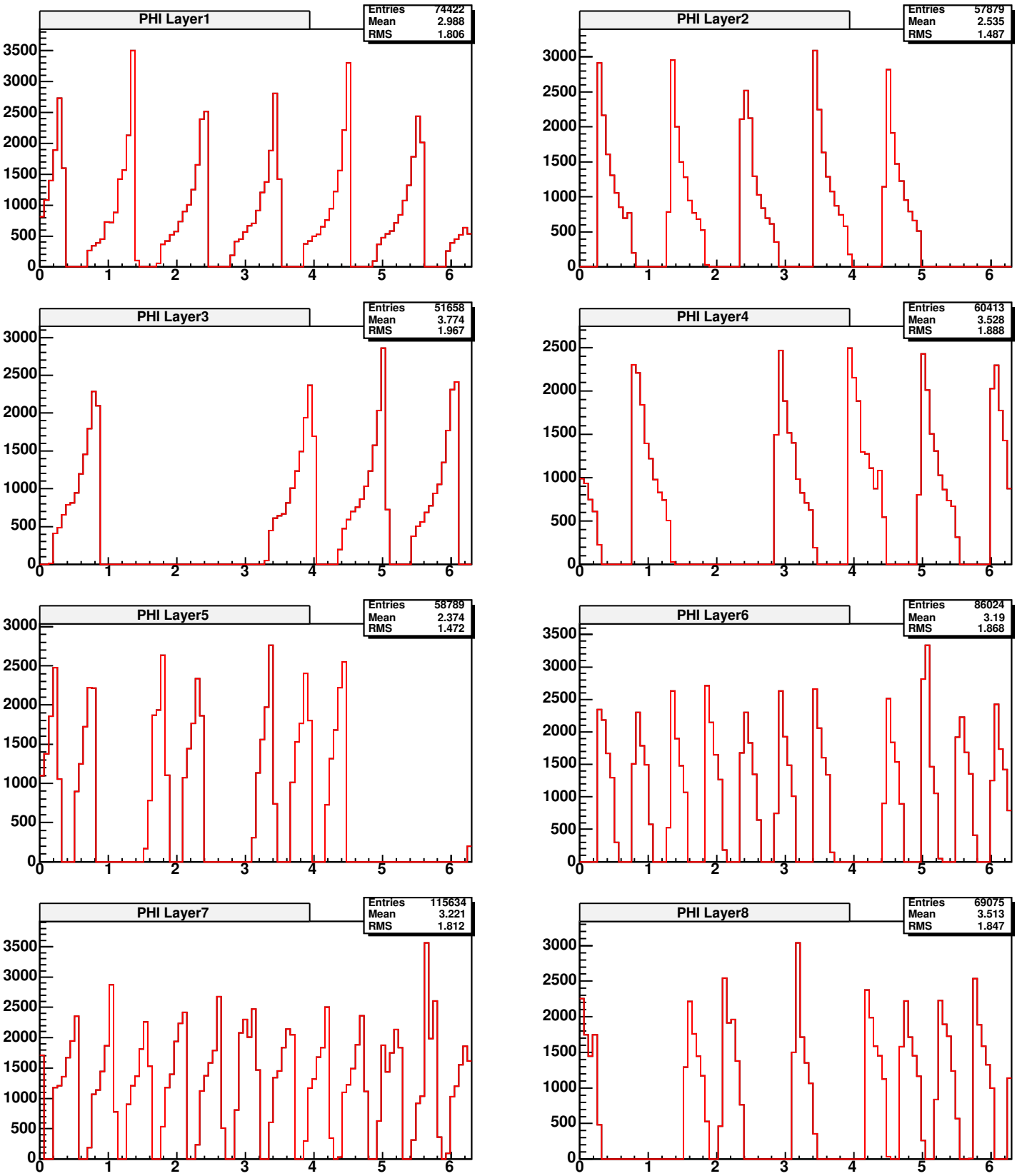




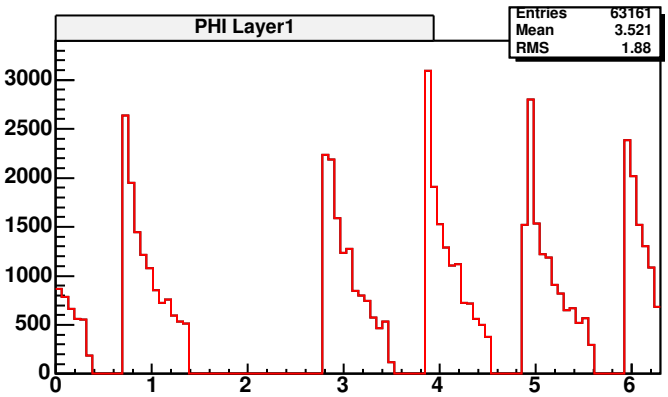


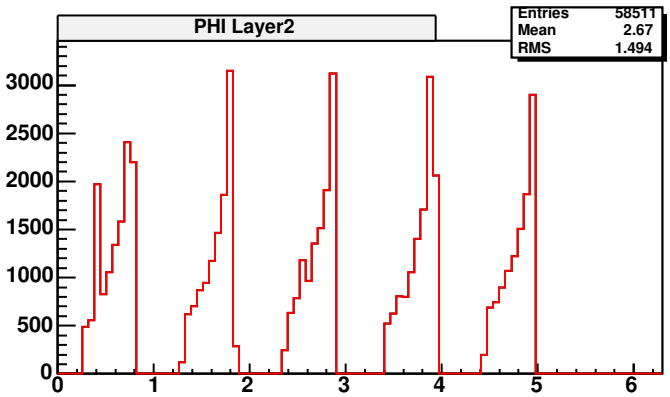


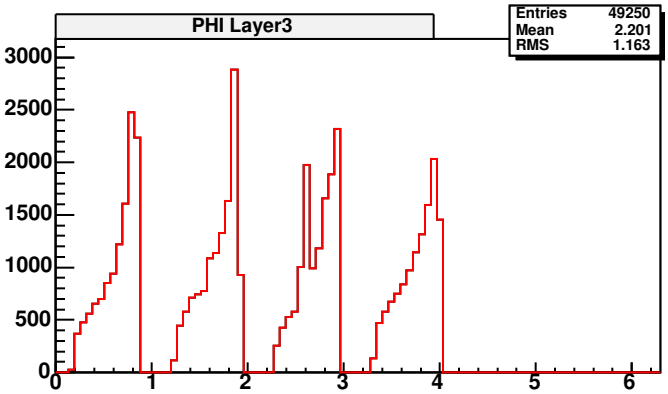
SmtClusters (ClustrBar4)

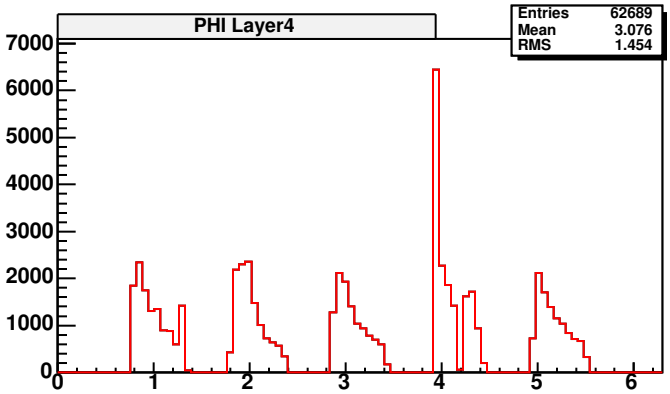


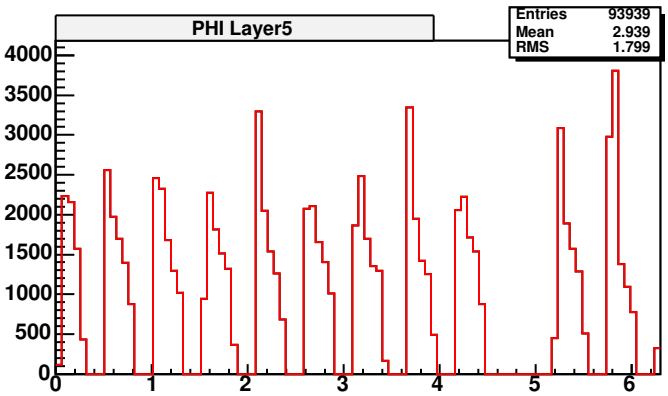
SmtClusters (ClustrBar5)

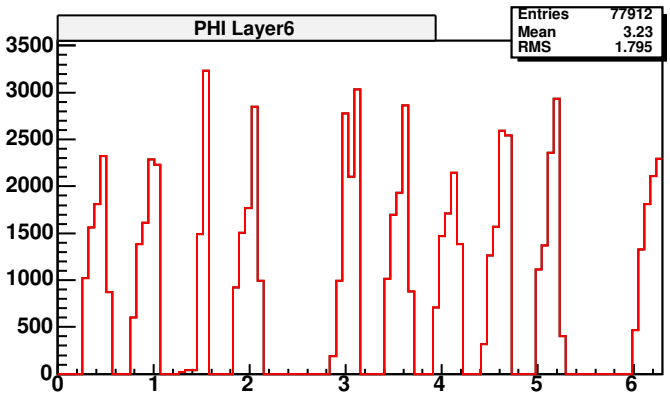


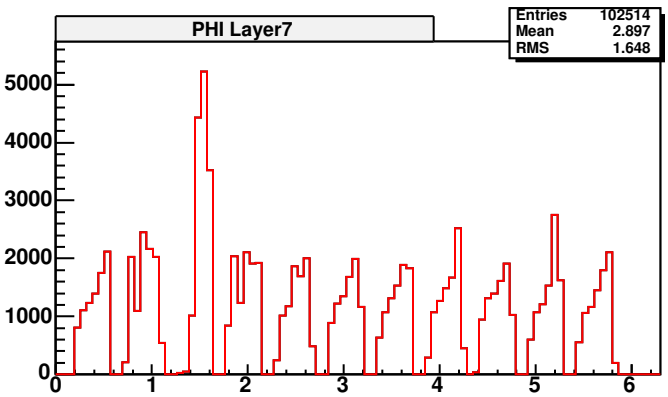


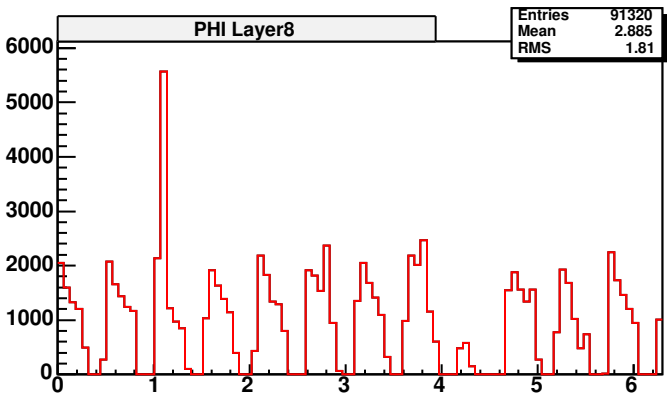




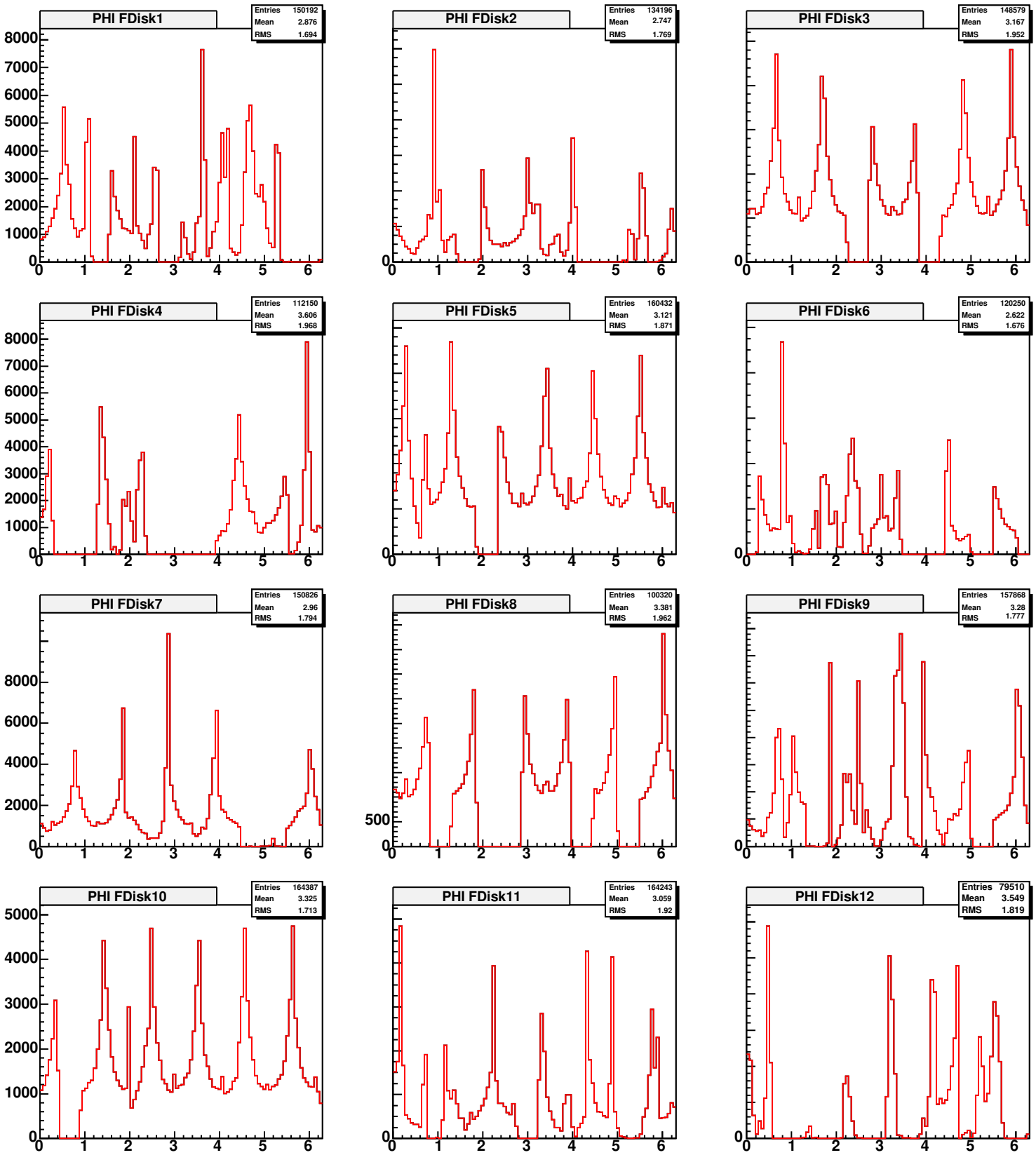




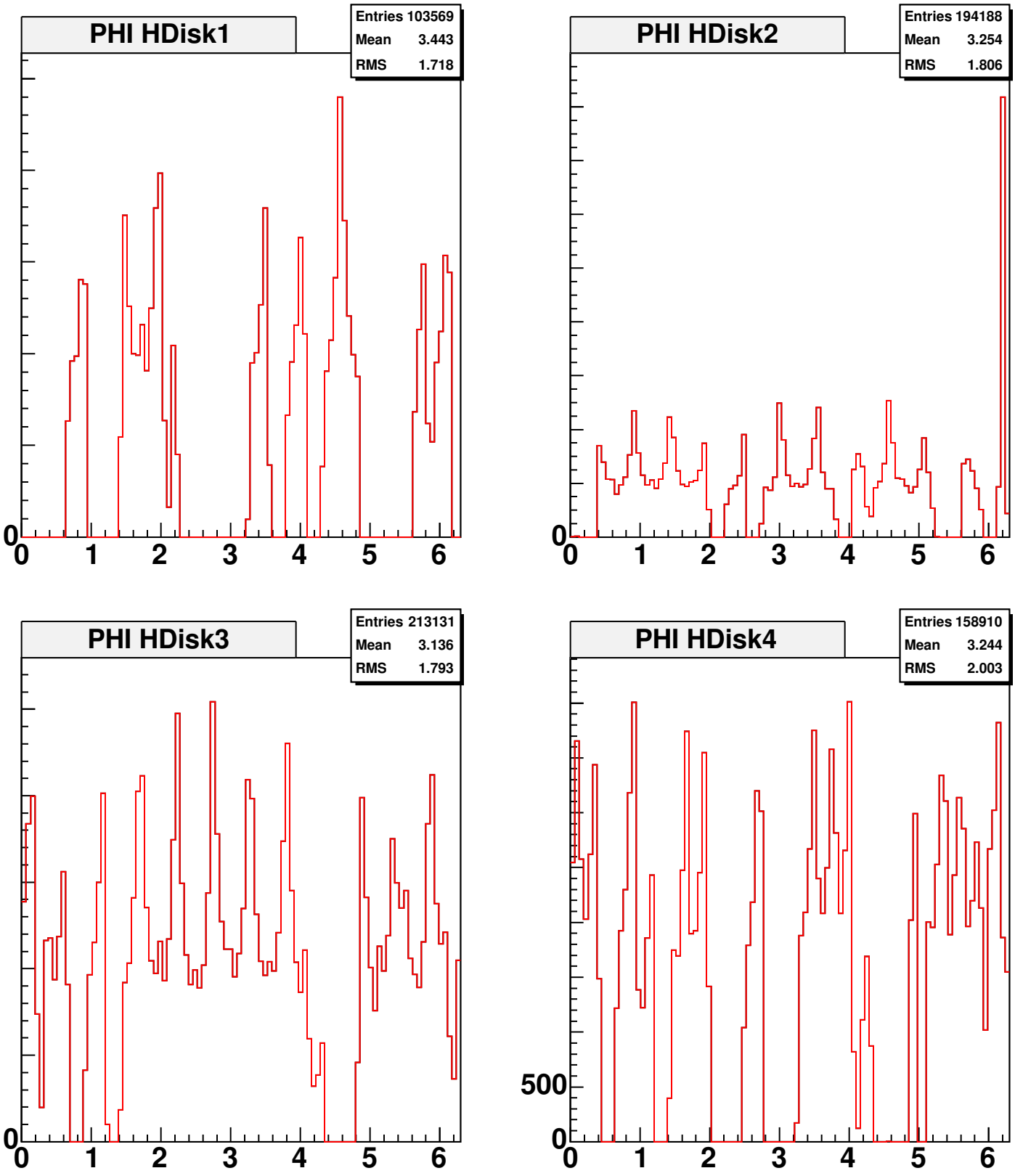


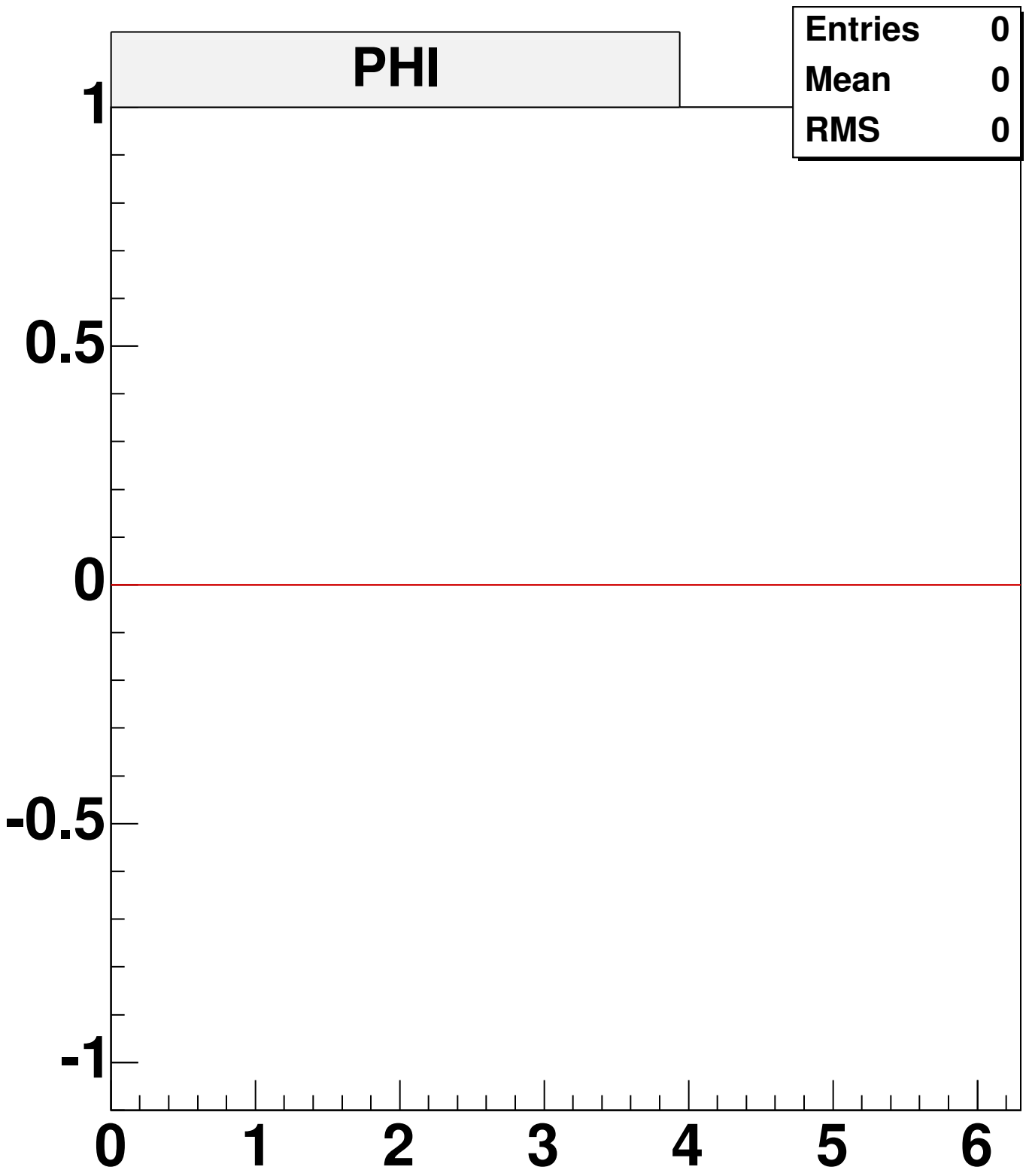


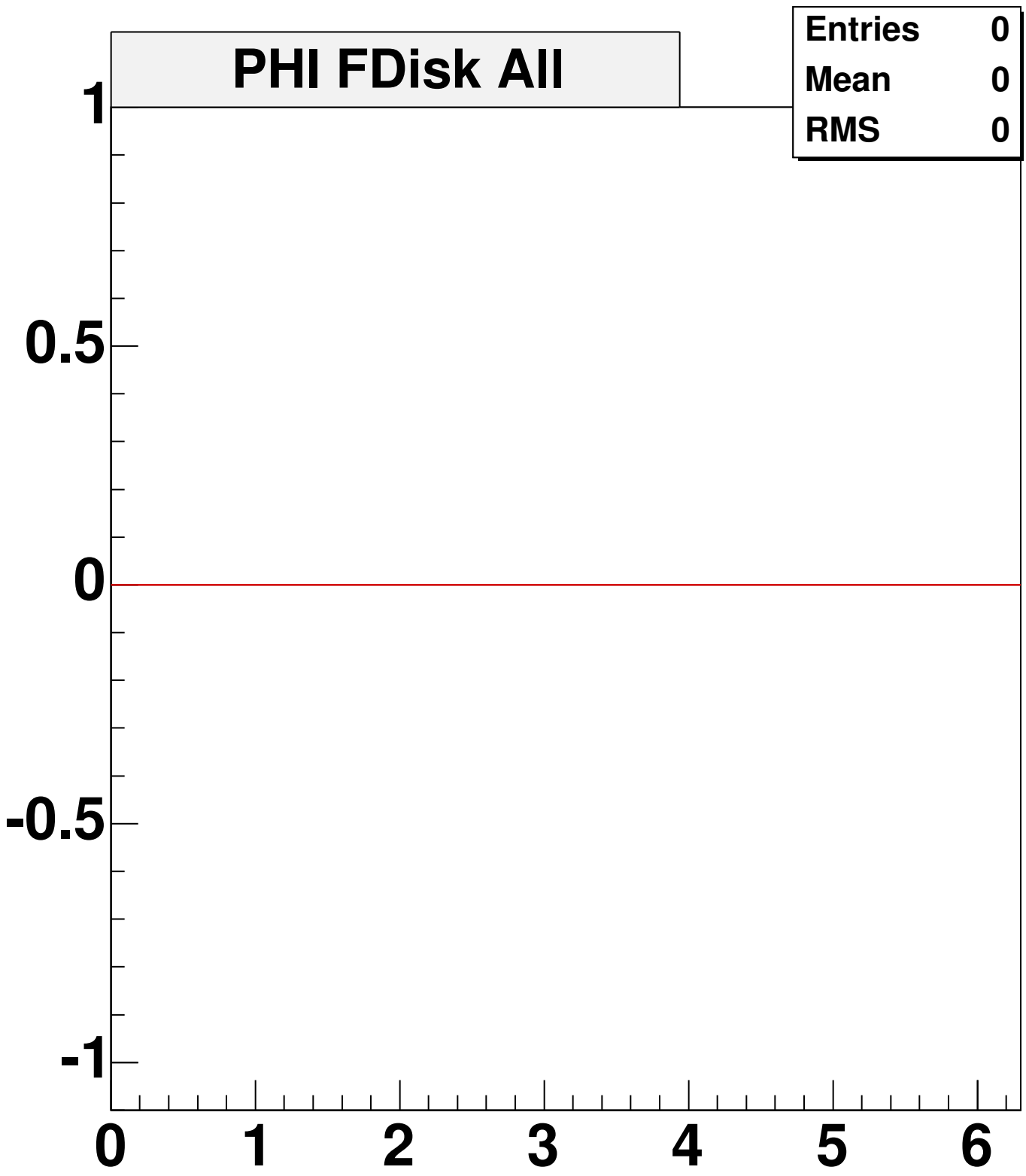
SmtClusters (ClustrBar6)

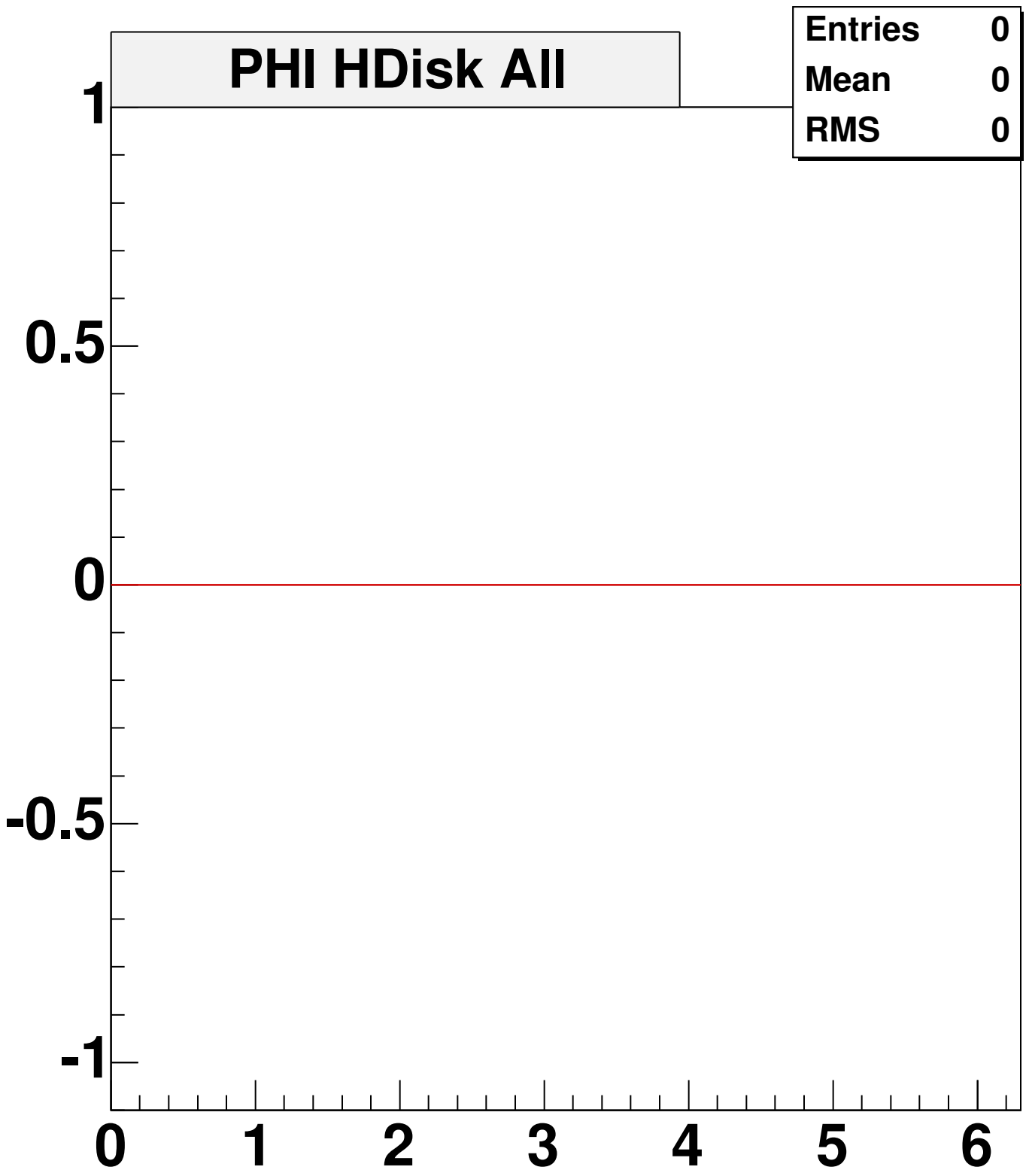


SmtClusters (FDiskClusters)


PHI HDisk1
Entries 103569
Mean 3.443
RMS 1.718
PHI HDisk2
Entries 194188
Mean 3.254
RMS 1.806
PHI HDisk3
Entries 213131
Mean 3.136
RMS 1.793
PHI HDisk4
Entries 158910
Mean 3.244
RMS 2.003
500
0
1
2
3
4
5
6
SmtClusters (HDiskClusters)


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


PHI FDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
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
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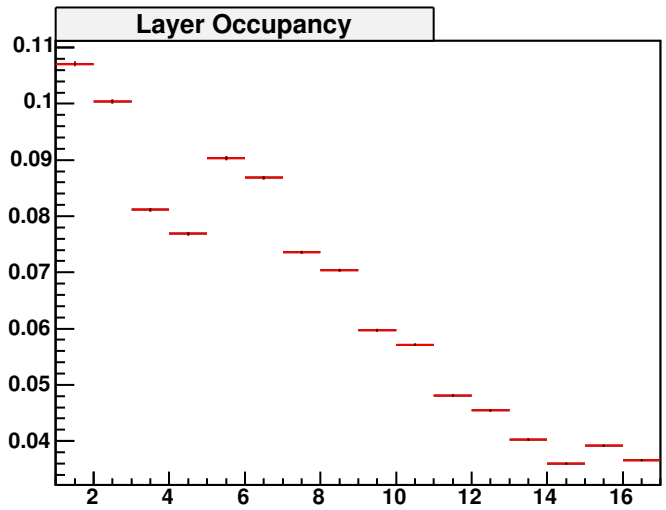
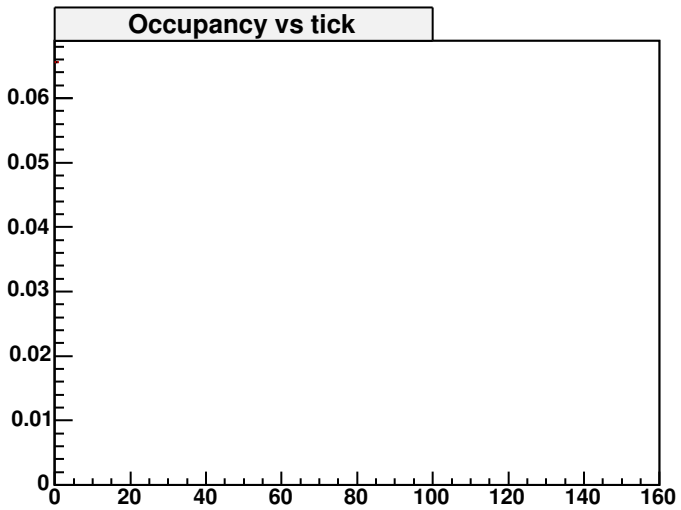
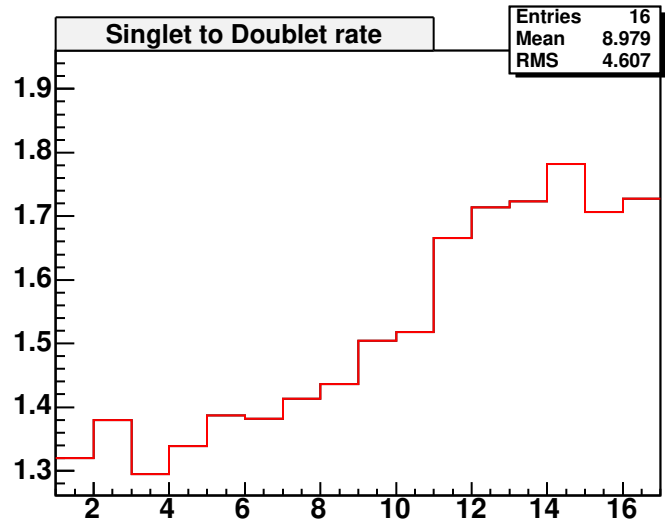
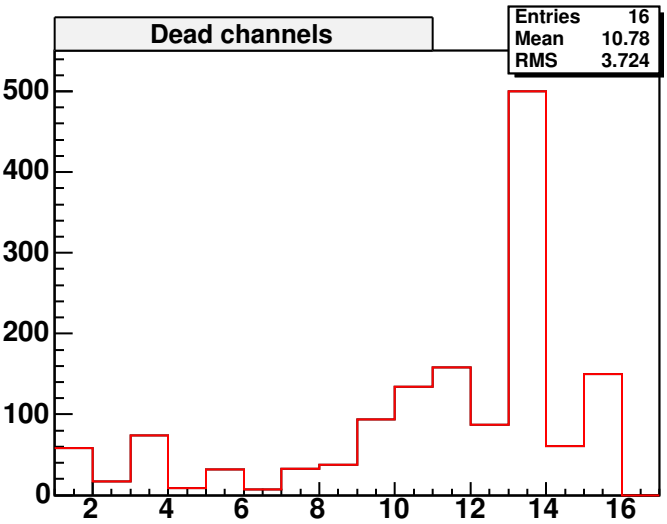
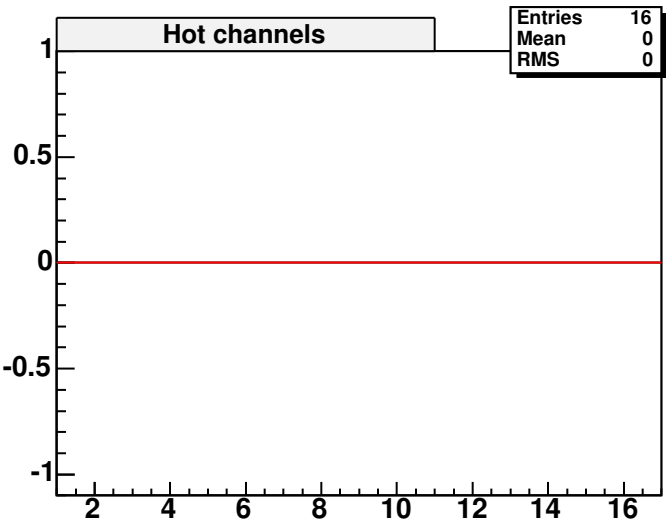
6
SmtClusters (allHDiskTClusters)



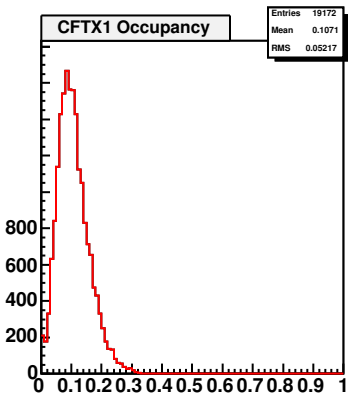


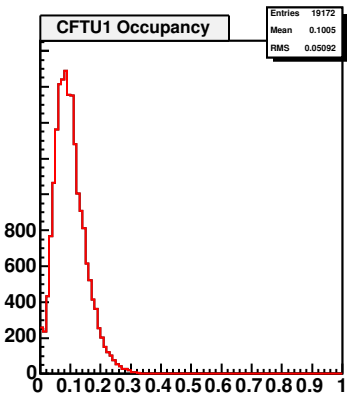


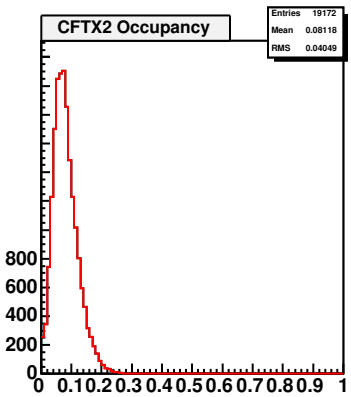


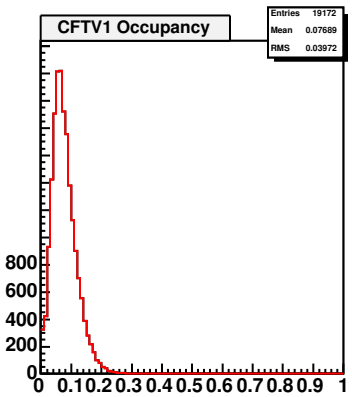


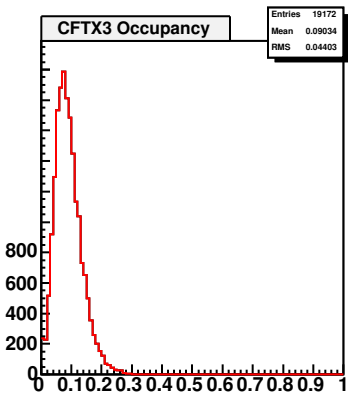
CFT Summary (All Clusters)

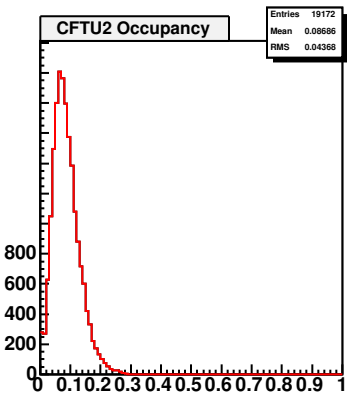


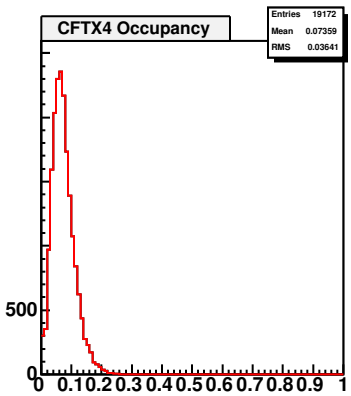


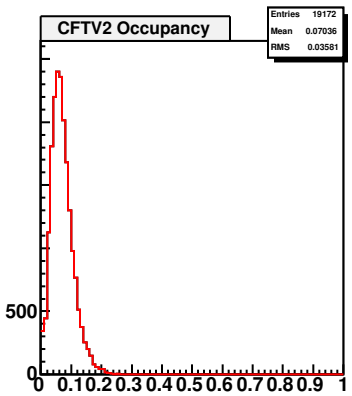


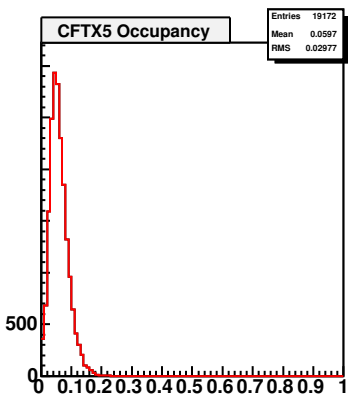


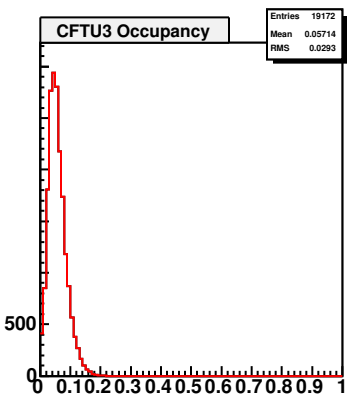


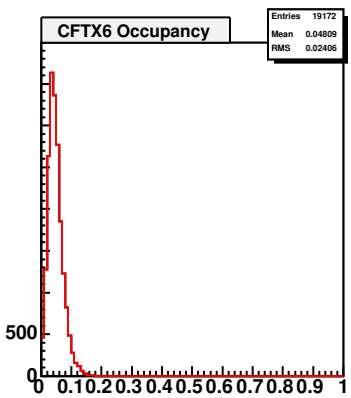


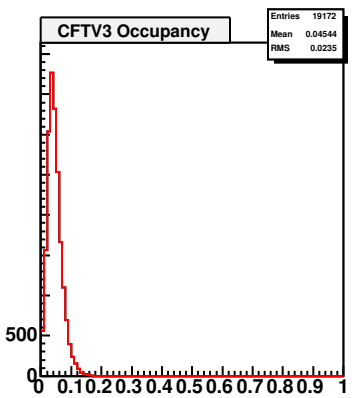


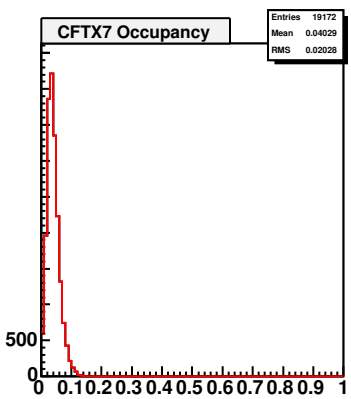


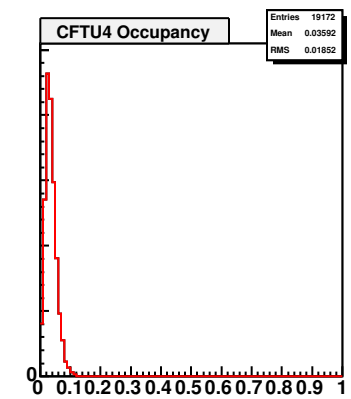


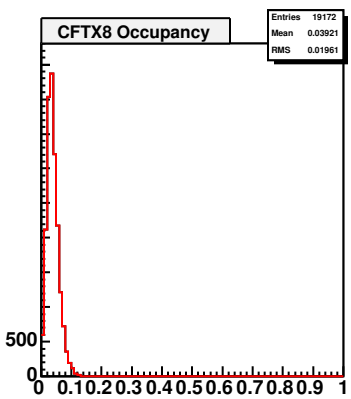


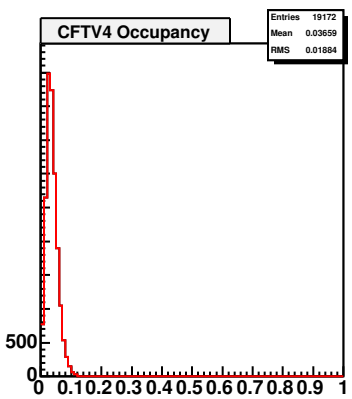




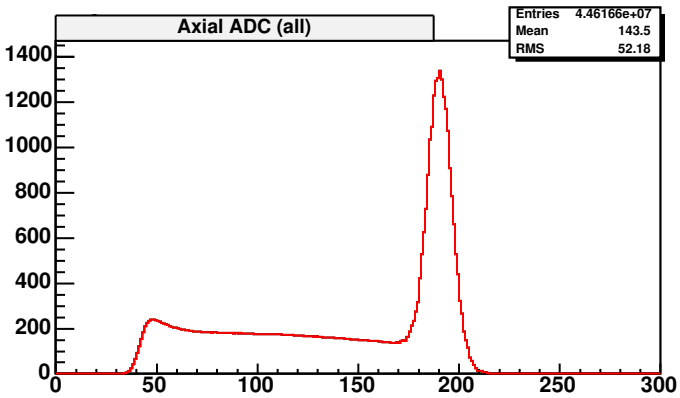


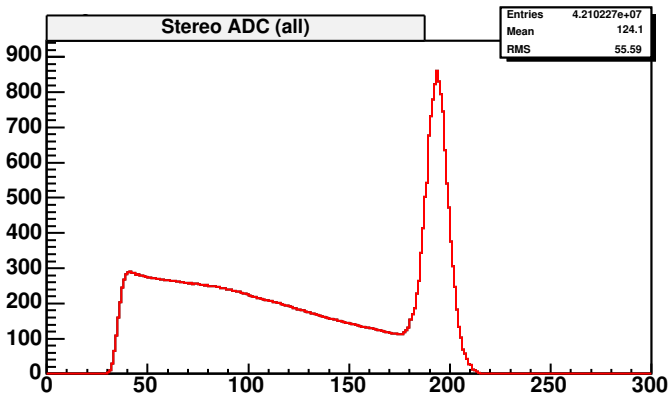


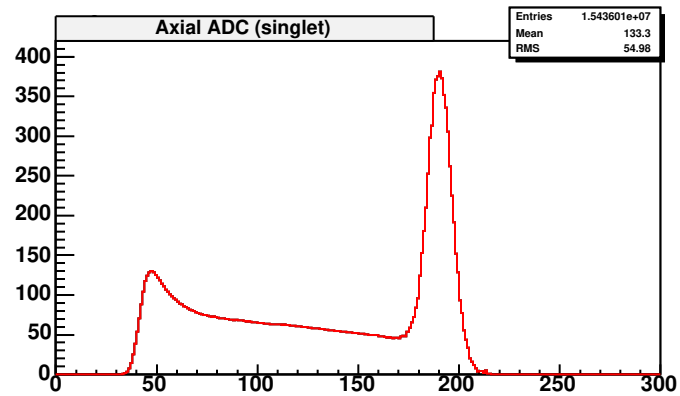


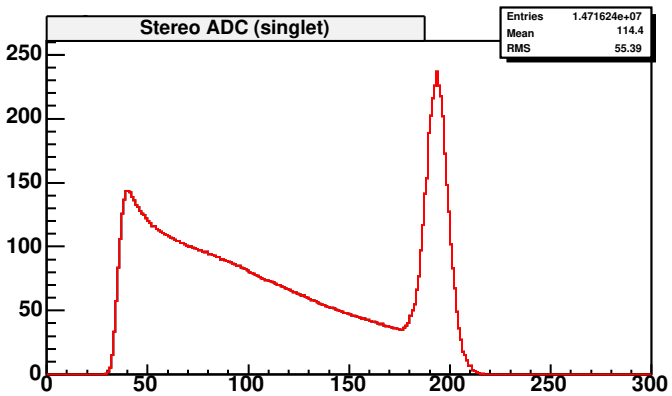


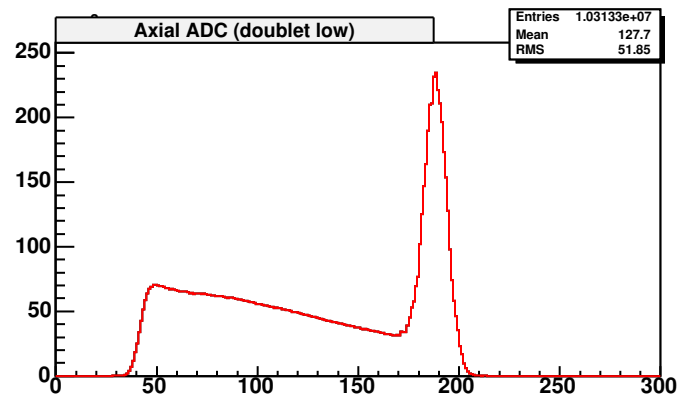
CFT Occupancy (All Clusters)

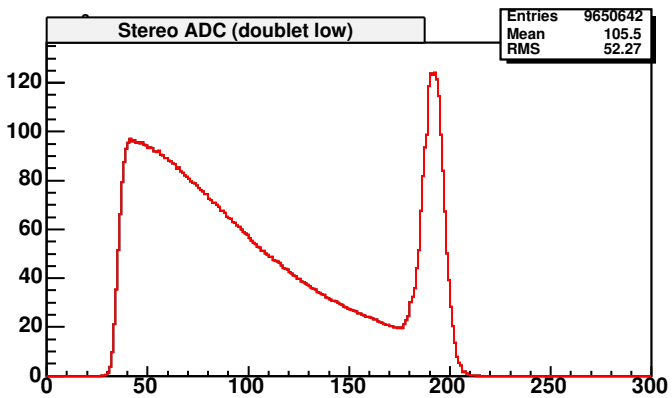


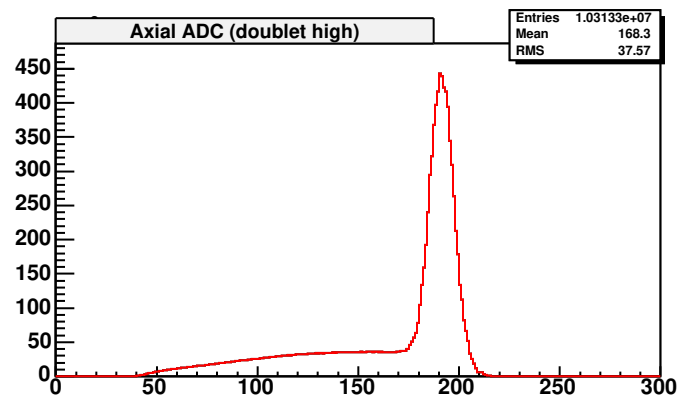


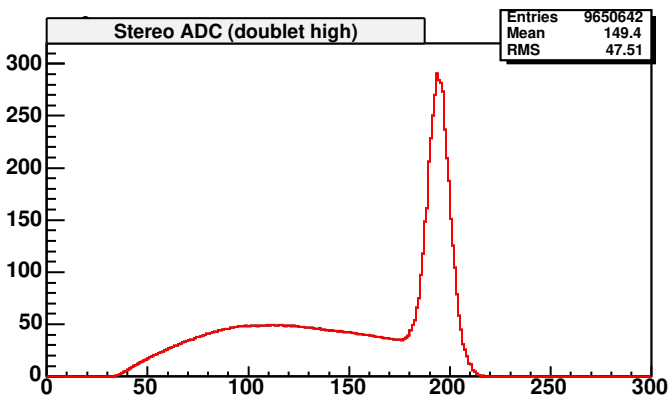




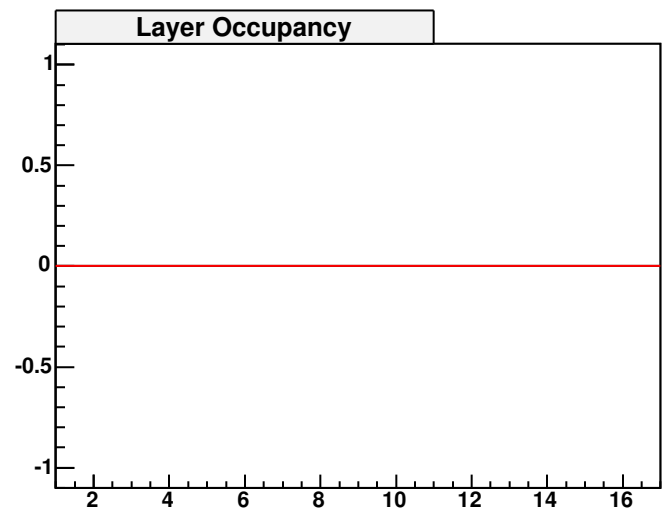


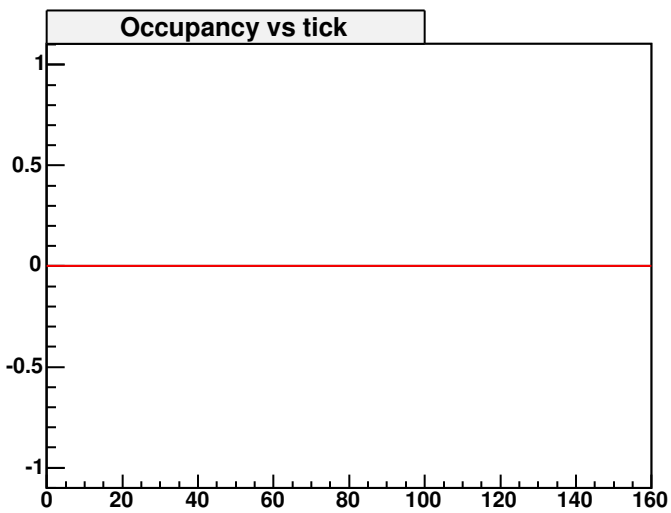


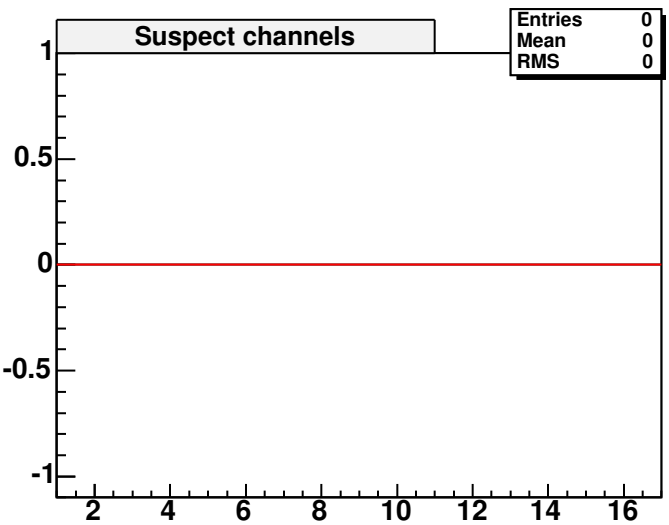


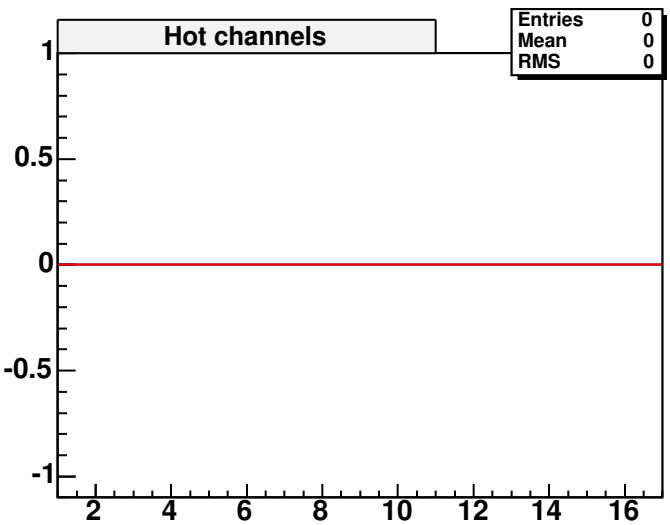


CFT ADC Summary (All Clusters)

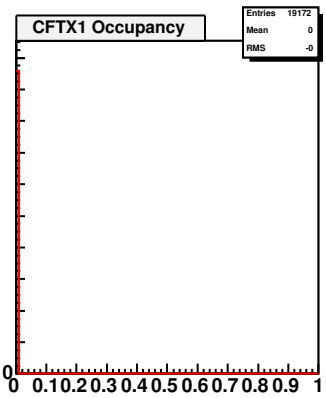


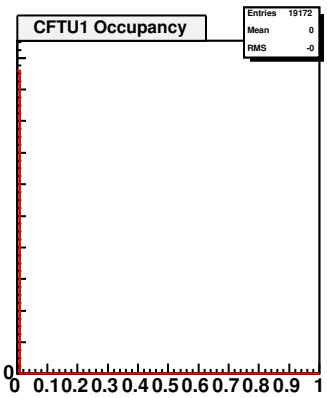


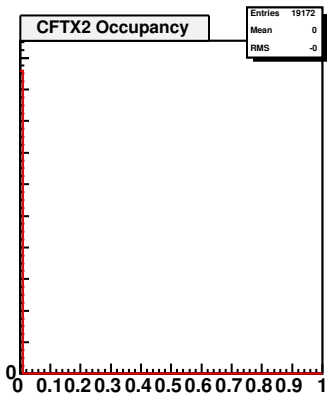


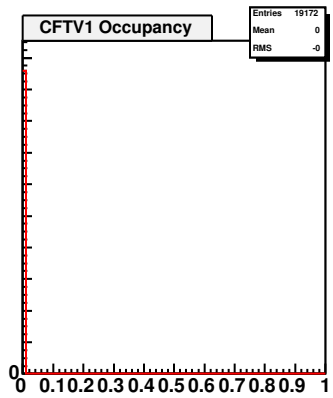


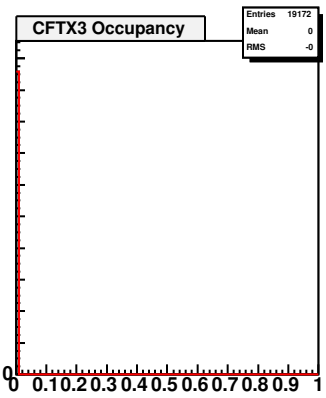
CFT Summary (Clusters on tracks)

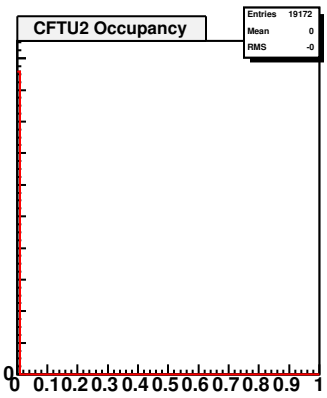


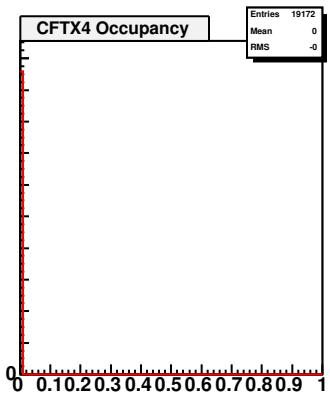


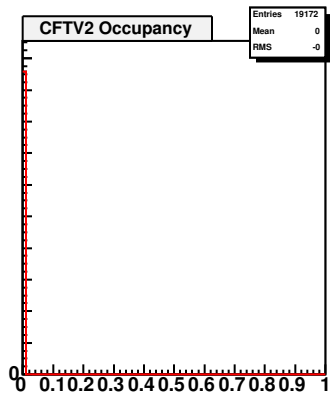


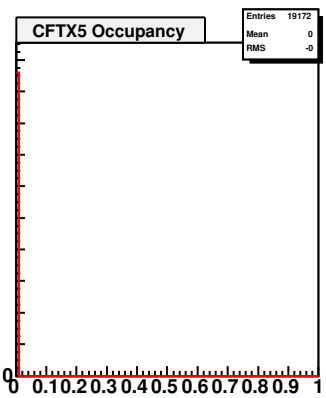


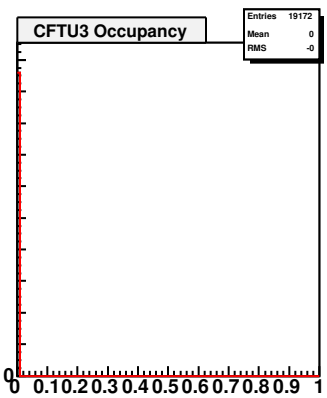


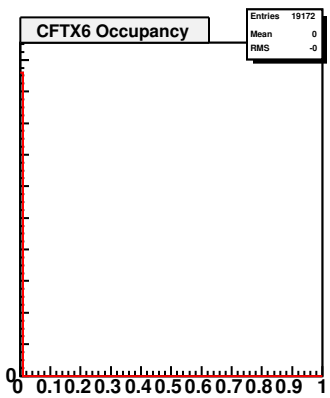


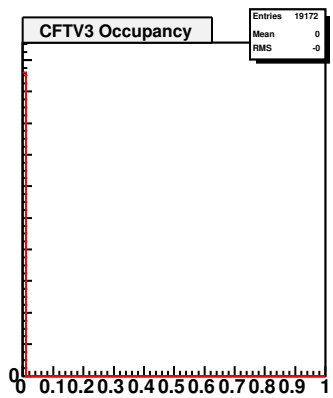


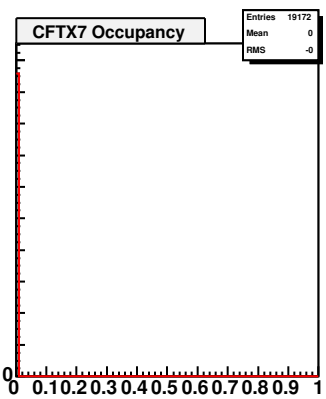


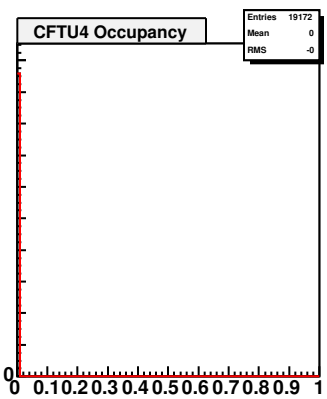


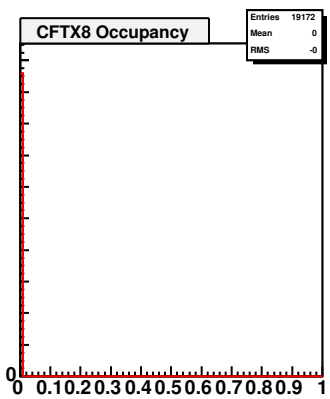


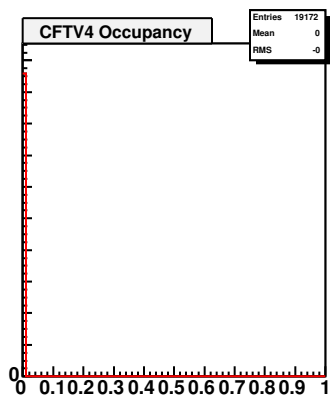




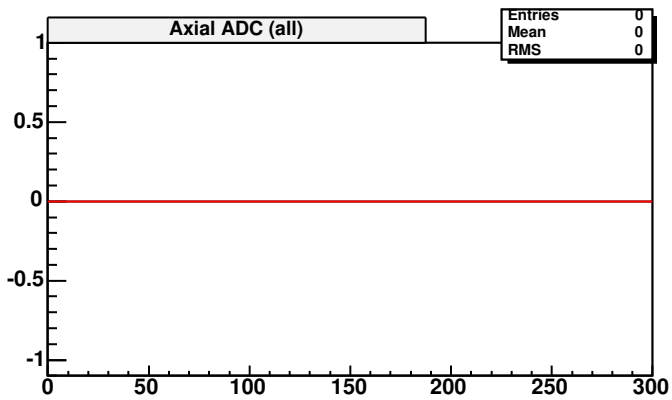


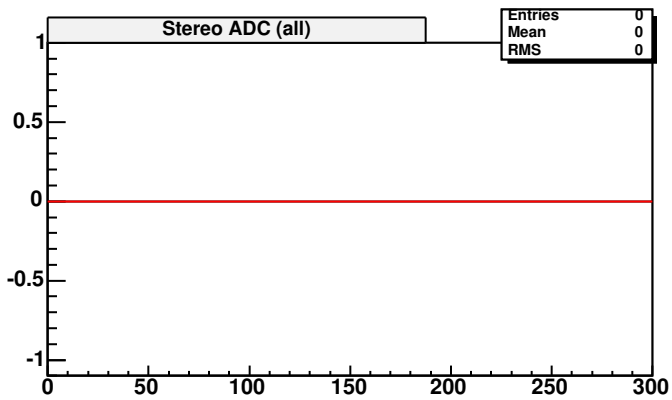


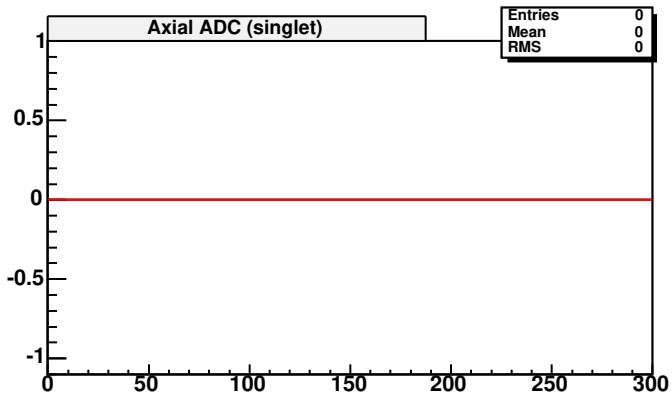


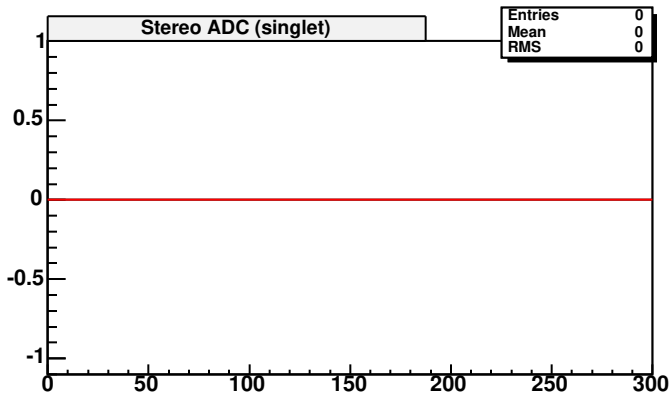


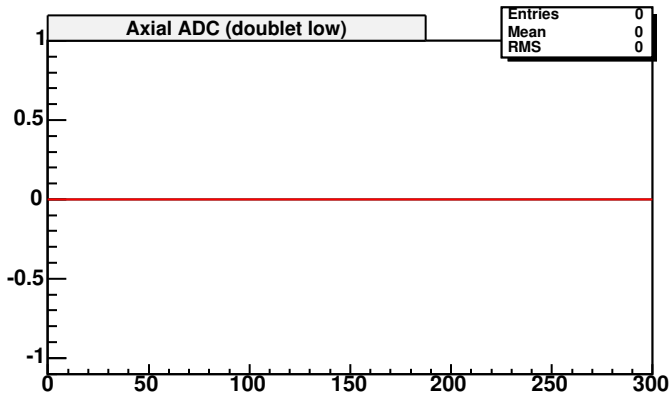
CFT Occupancy (Clusters on tracks)

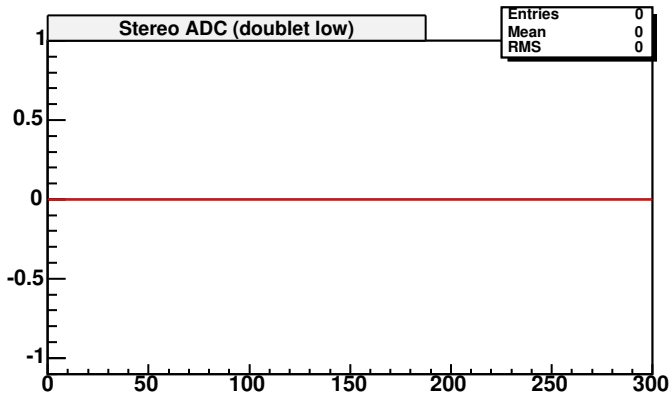


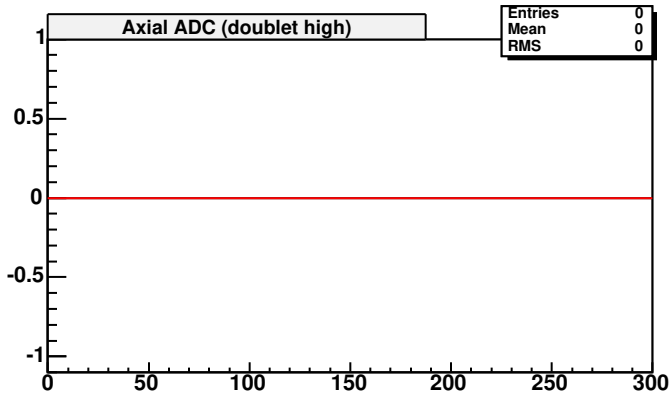


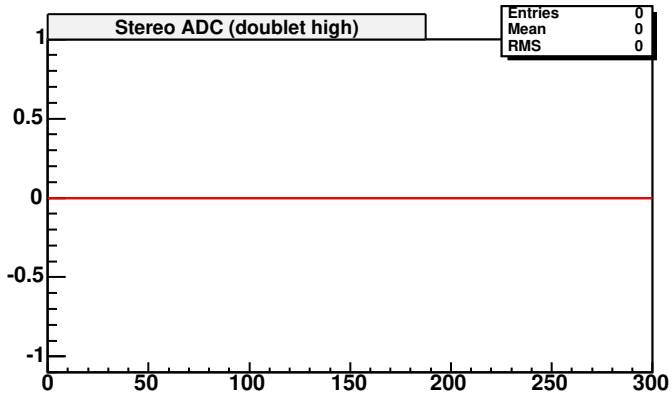




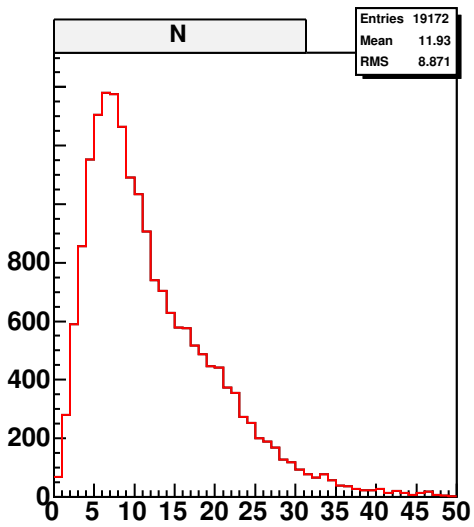








CFT ADC Summary (Clusters on tracks)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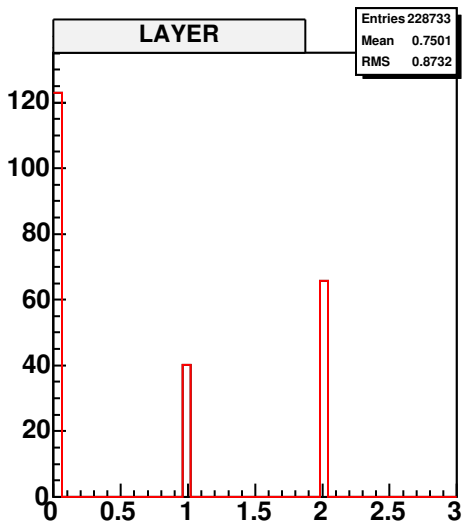
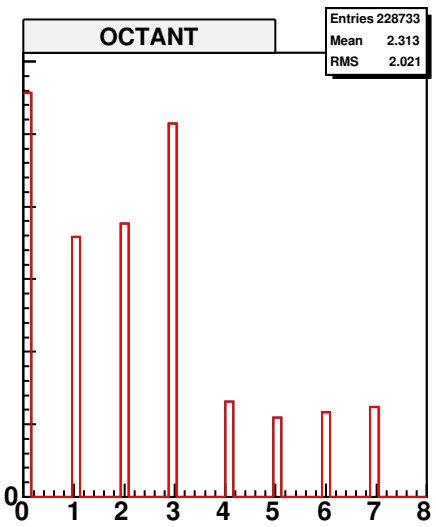
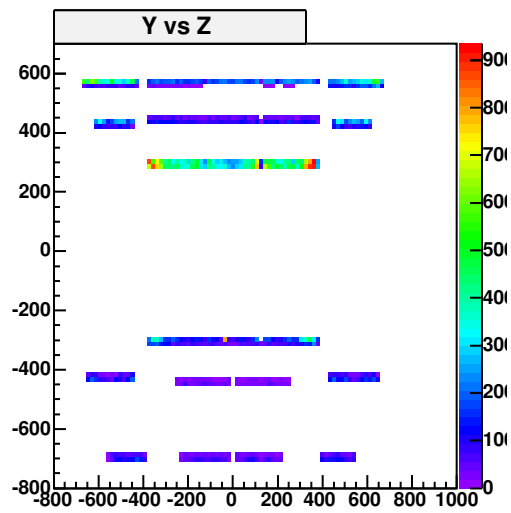
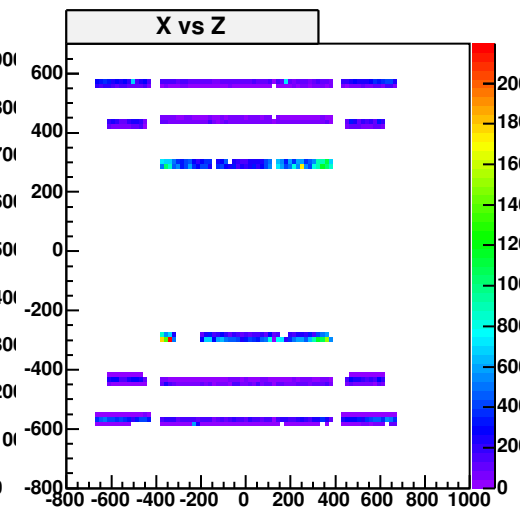
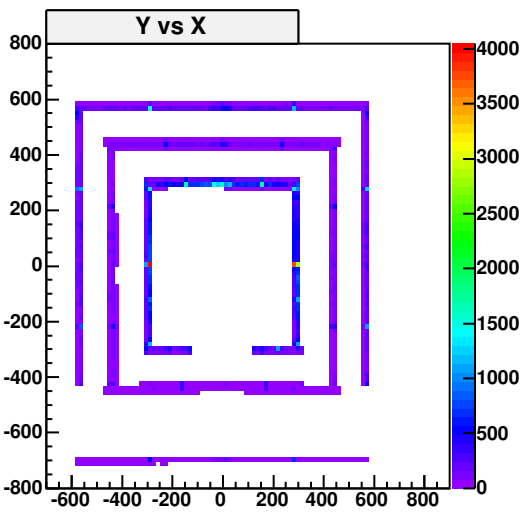
Entries 19172
Mean 11.93
RMS 8.871

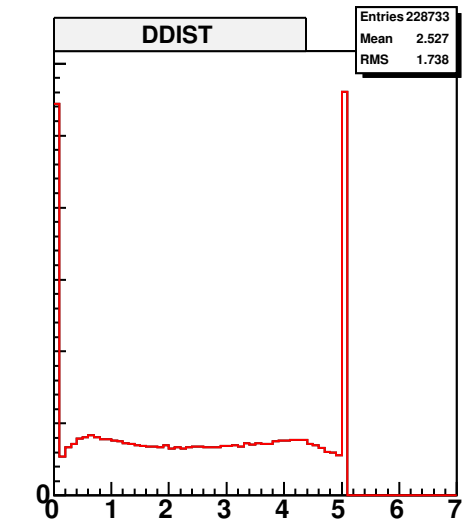

LAYER
Entries 228733
Mean 0.7501
RMS 0.8732

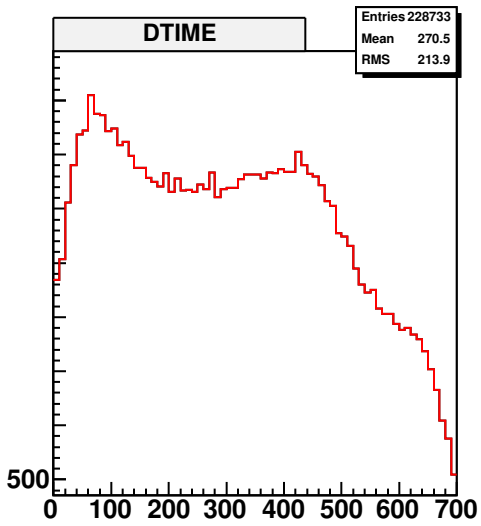

OCTANT
Entries 228733
Mean 2.313
RMS 2.021


Y vs Z

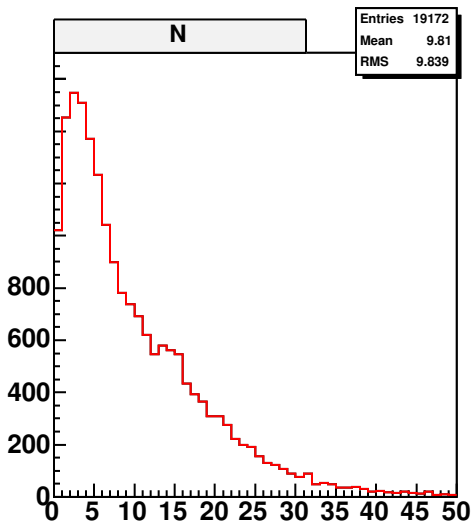

X vs Z

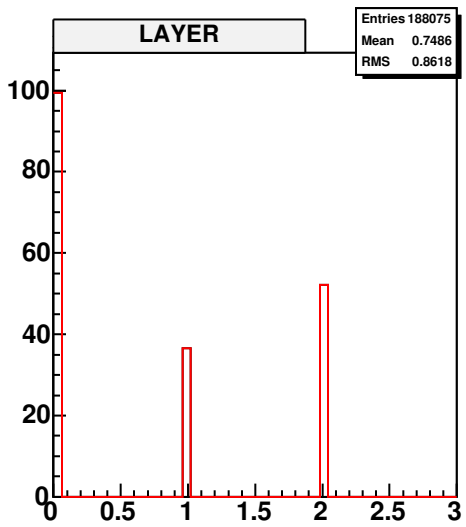

Y vs X

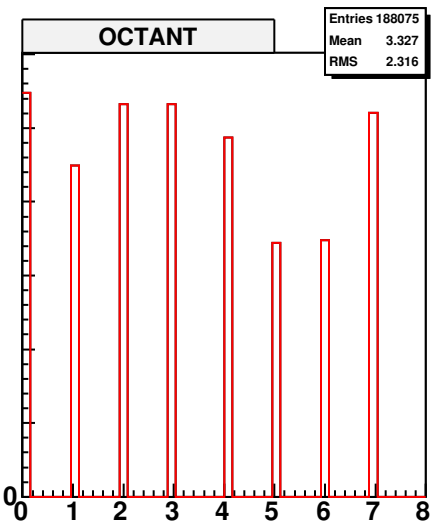

DDIST
Entries 228733
Mean 2.527
RMS 1.738

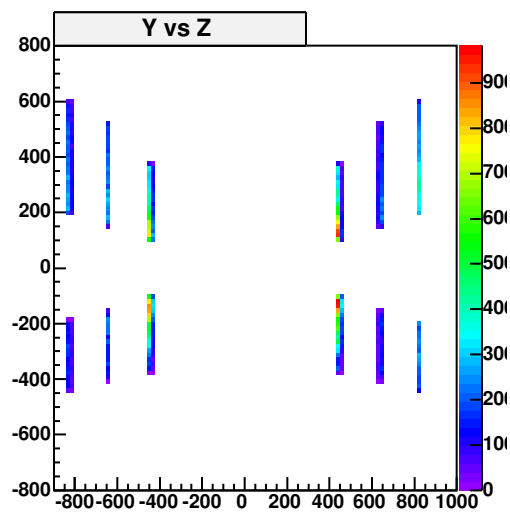

DTIME
Entries 228733
Mean 270.5
RMS 213.9

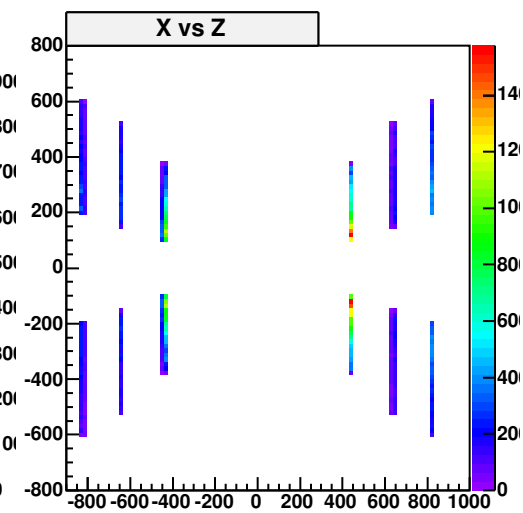
MuonPDT (All)

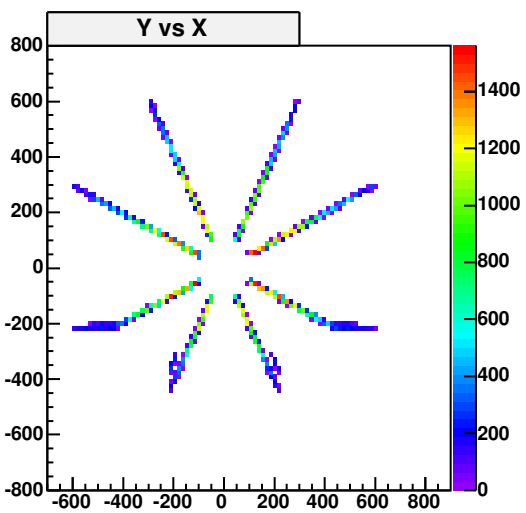

N
Entries 19172
Mean 9.81
RMS 9.839

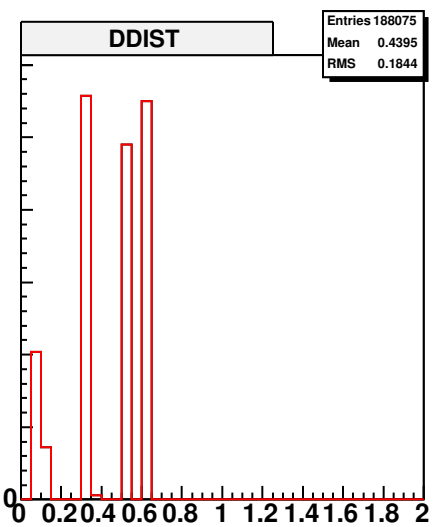

LAYER
Entries 188075
Mean 0.7486
RMS 0.8618

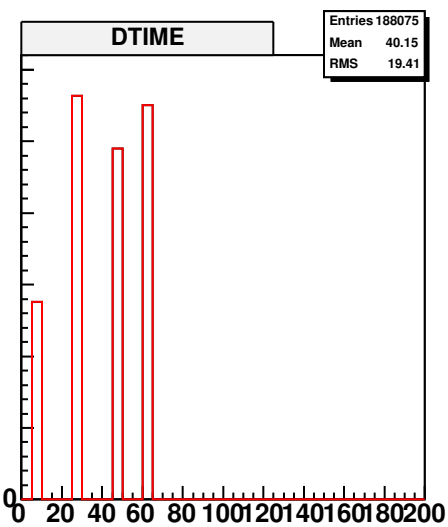

OCTANT
Entries 188075
Mean 3.327
RMS 2.316


Y vs Z

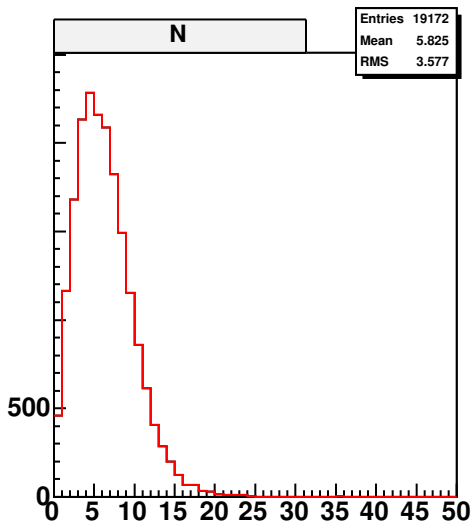

X vs Z

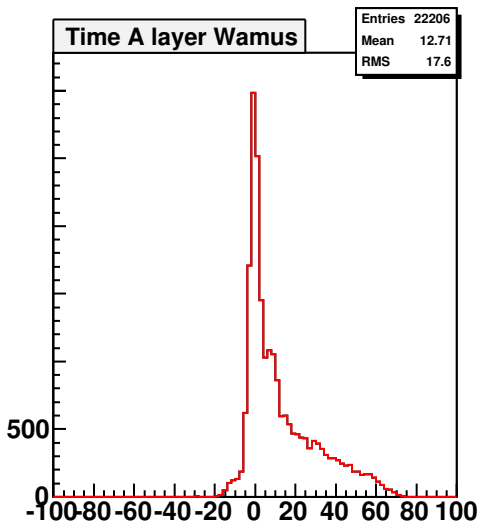

Y vs X

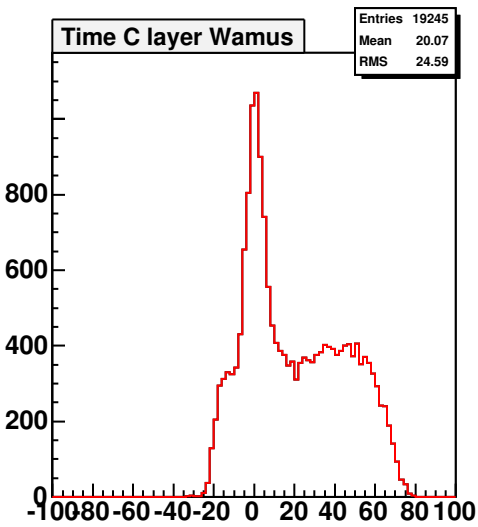

DDIST
Entries 188075
Mean 0.4395
RMS 0.1844

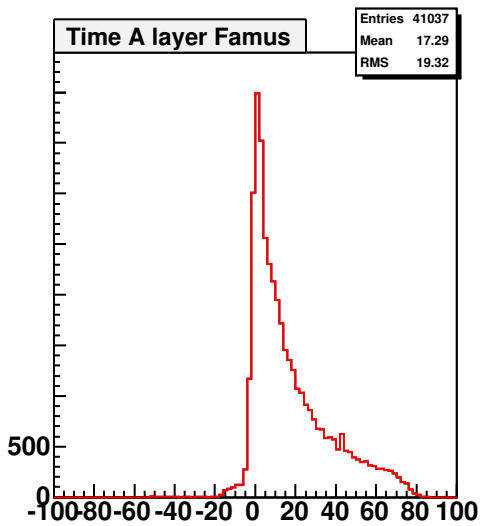

DTIME
Entries 188075
Mean 40.15
RMS 19.41

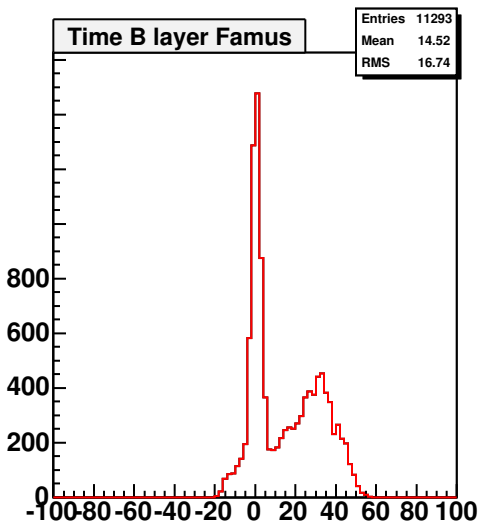
MuonMDT (All)

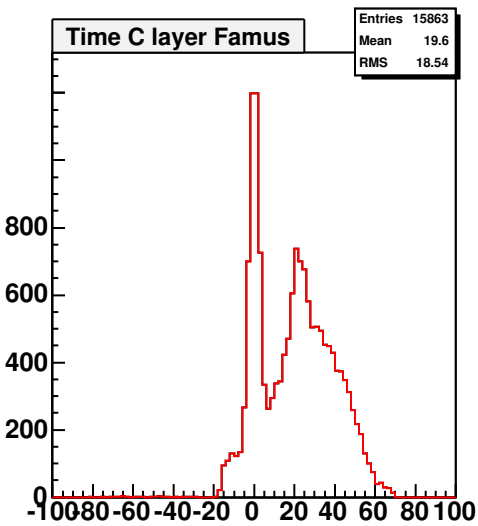

N
Entries 19172
Mean 5.825
RMS 3.577

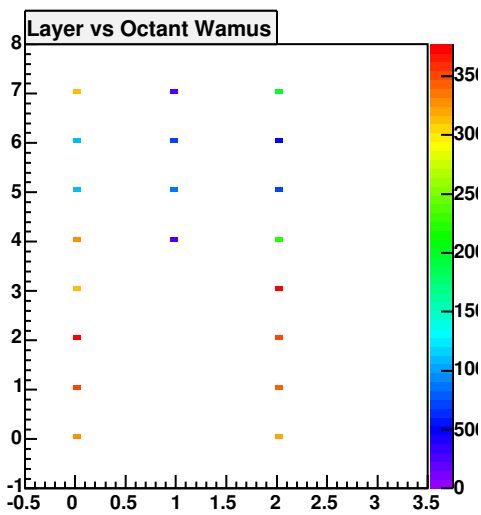

Time A layer Wamus
Entries 22206
Mean 12.71
RMS 17.6

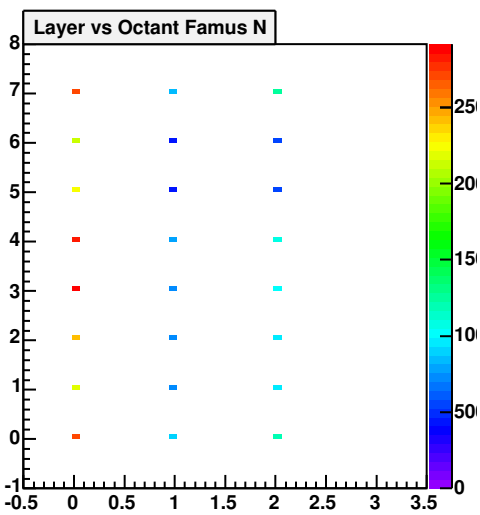

Time C layer Wamus
Entries 19245
Mean 20.07
RMS 24.59

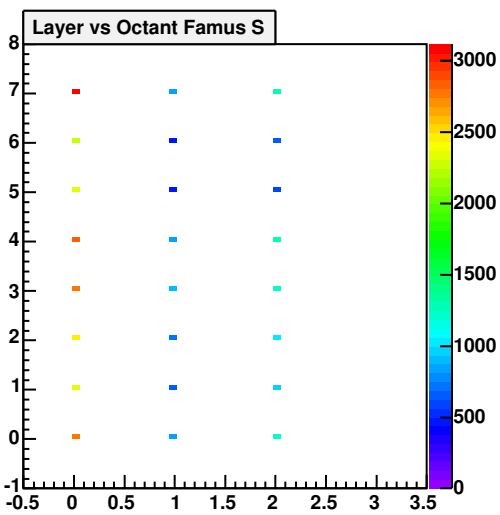

Time A layer Famus
Entries 41037
Mean 17.29
RMS 19.32


Time B layer Famus
Entries 11293
Mean 14.52
RMS 16.74

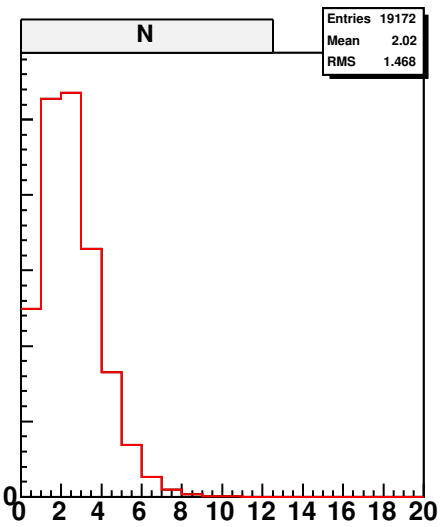

Time C layer Famus
Entries 15863
Mean 19.6
RMS 18.54

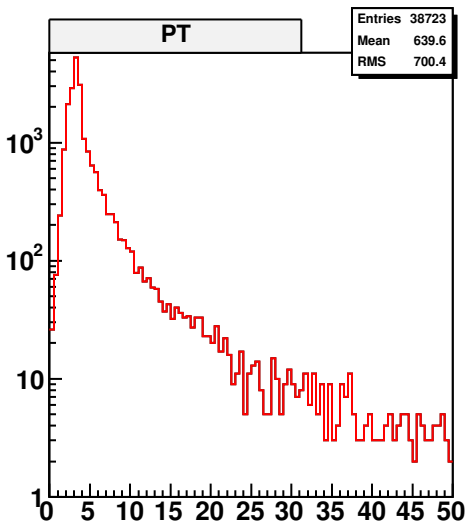

Layer vs Octant Wamus

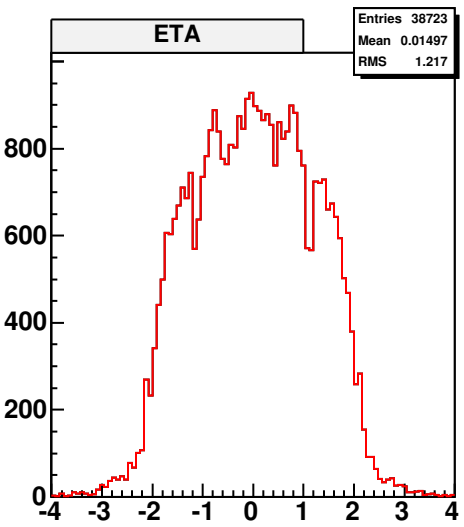

Layer vs Octant Famus N

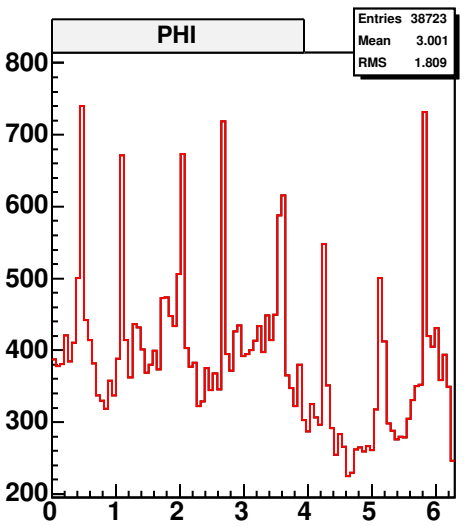

Layer vs Octant Famus S

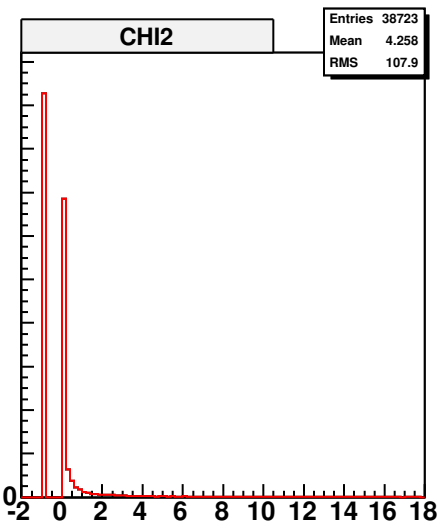
MuonMSC (All)

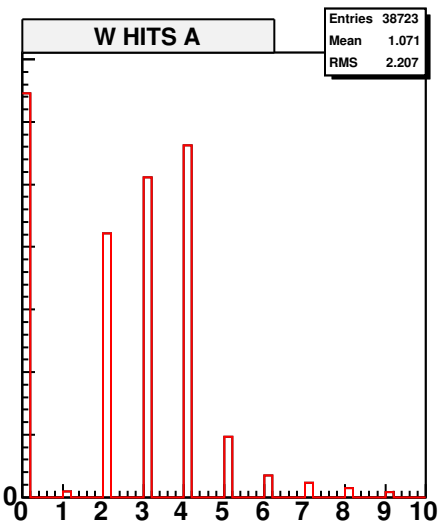


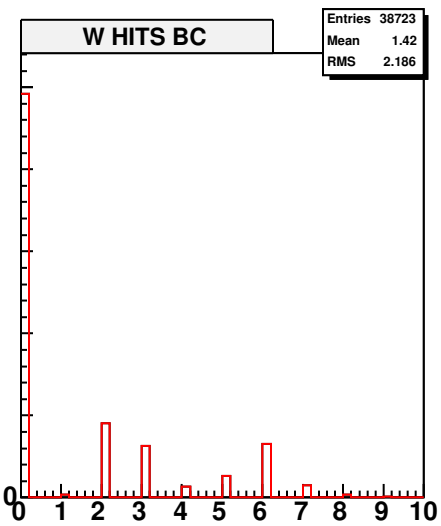


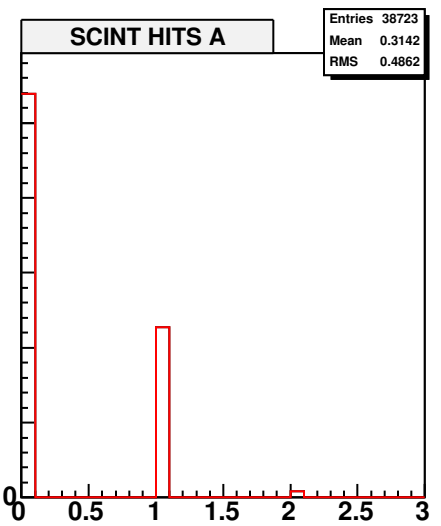


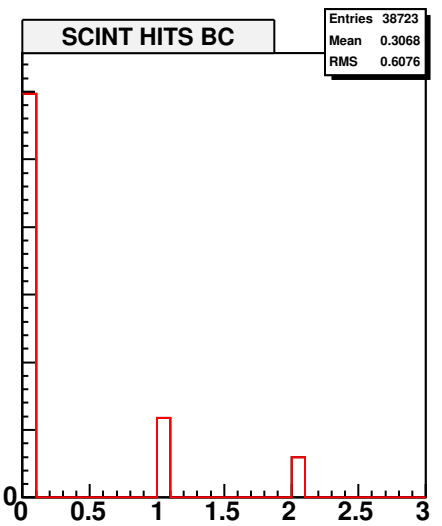




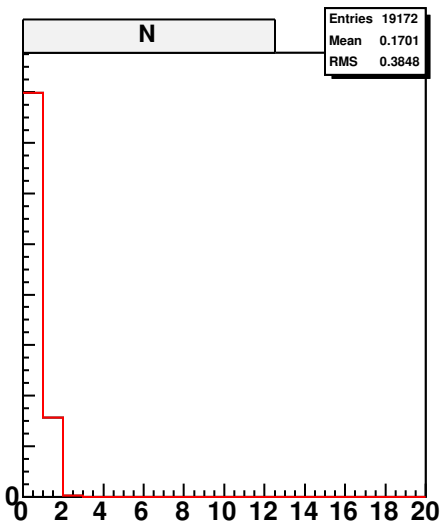


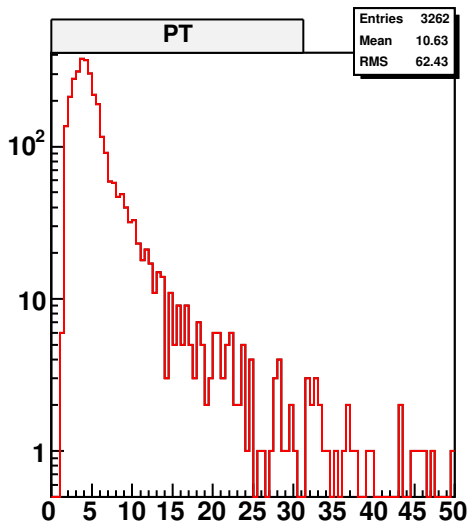


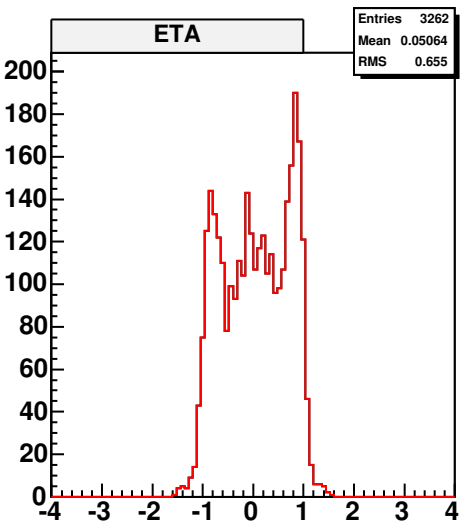


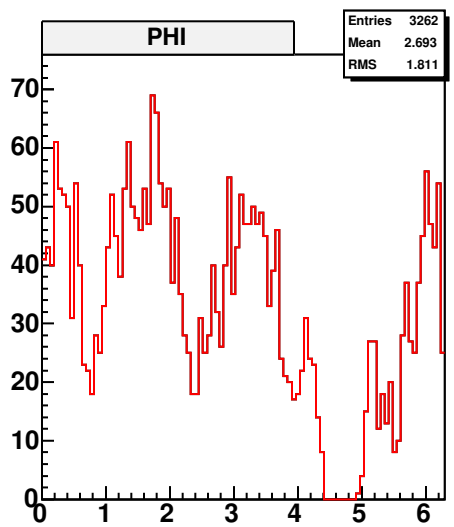


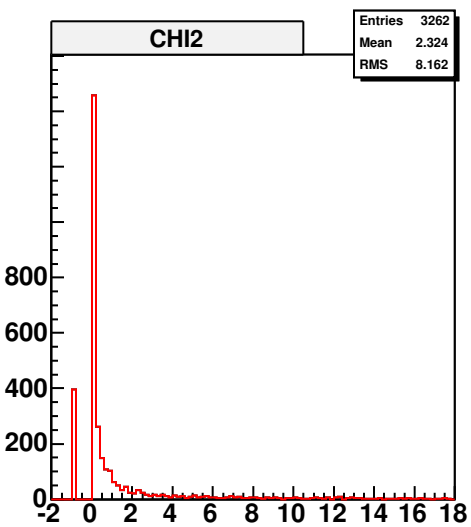
Muon Local Tracks (All)

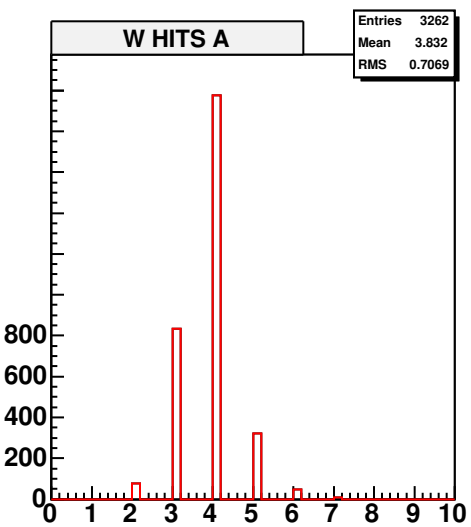


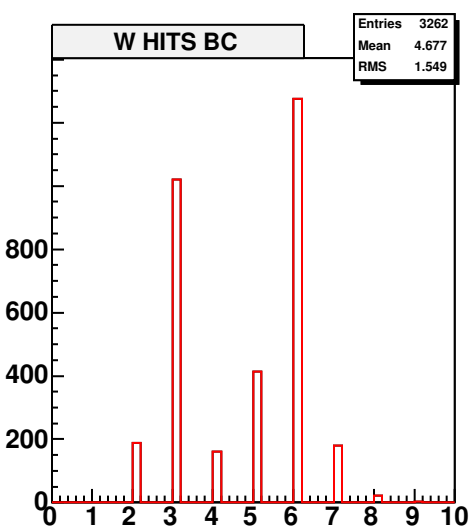


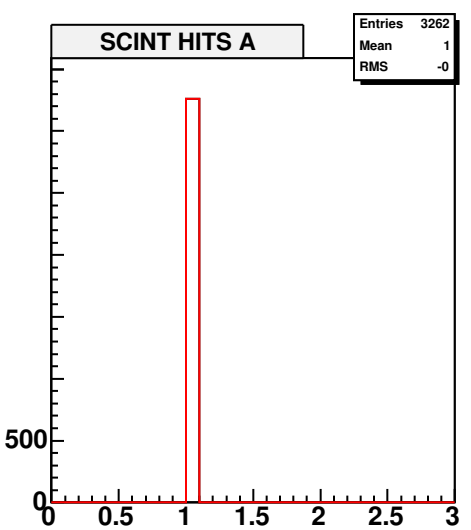


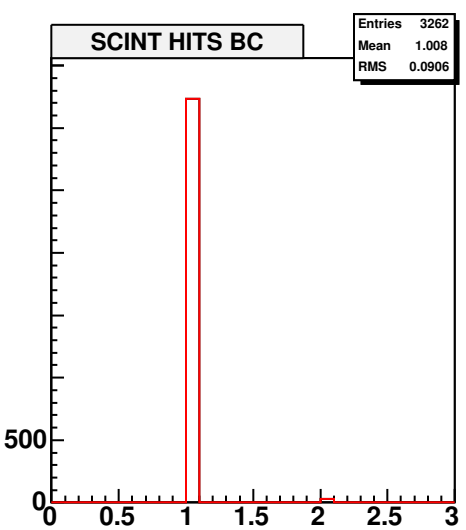




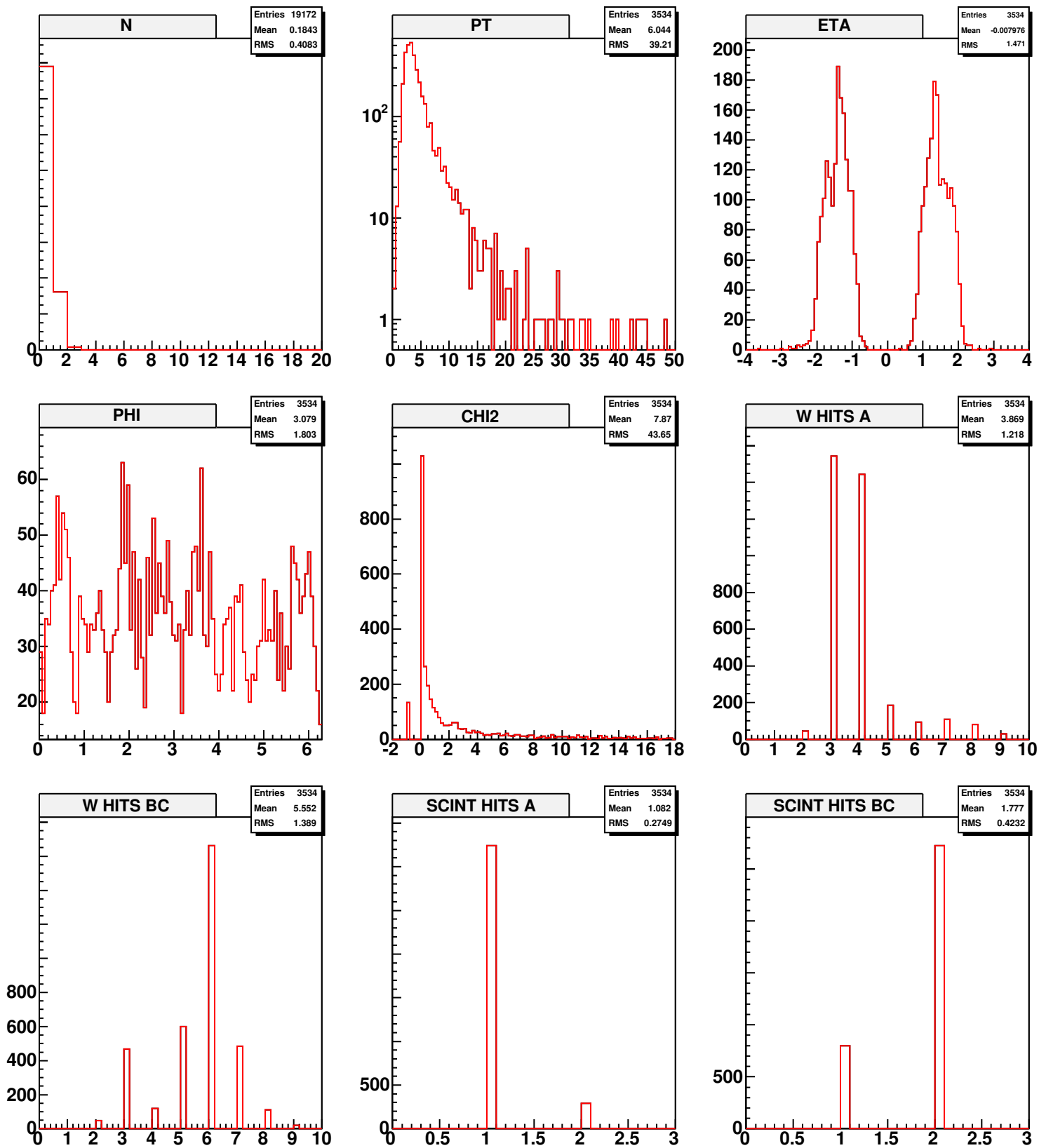




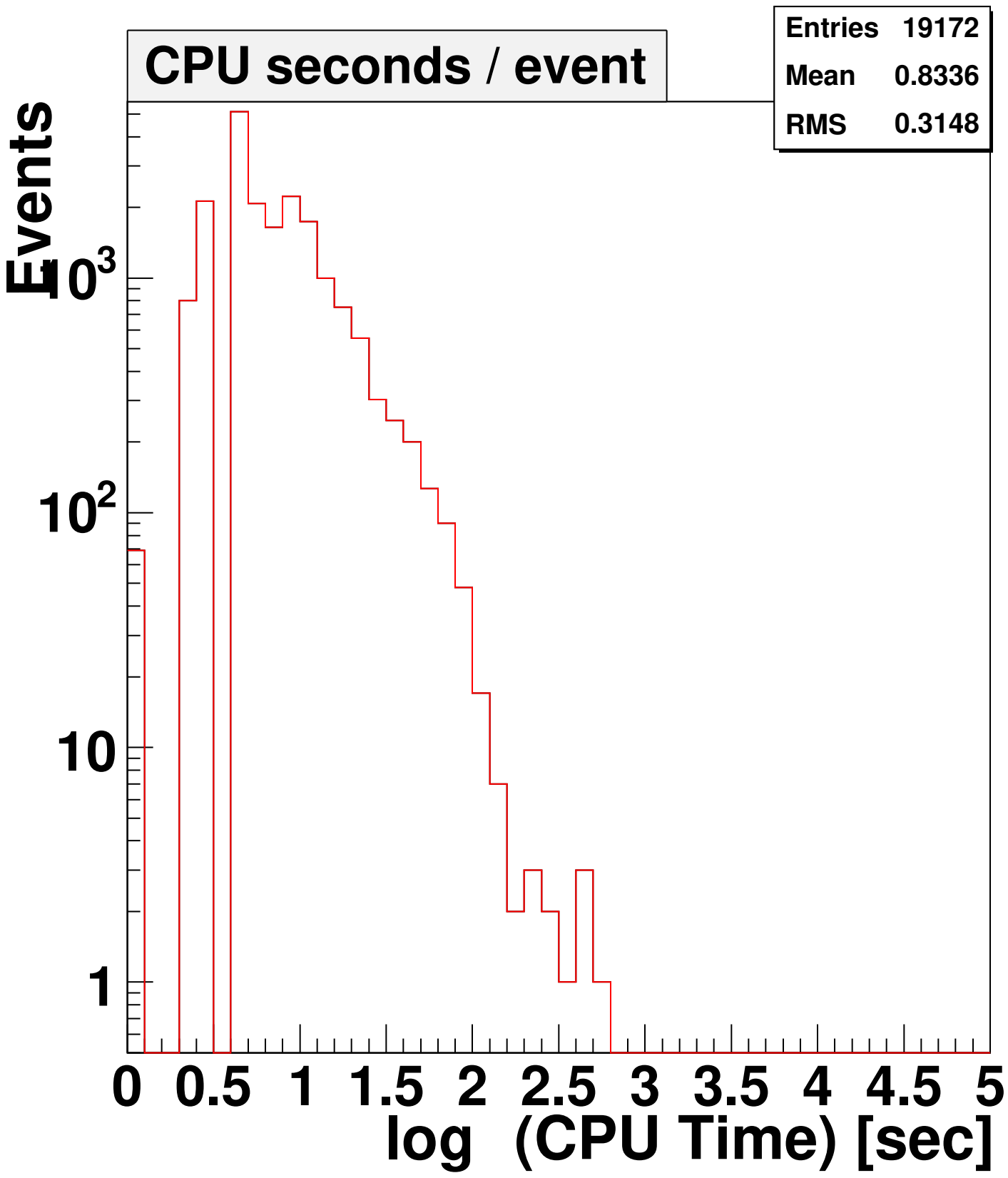




Muon Local Tracks (MediumWamus)



Muon Local Tracks (MediumFamus)



RECO Performance (Timing)