dayset-2006-08-28-all_3-224638-0_certification_20070
../unmerged/dayset-2006-08-28-all_3-224638-0_certific

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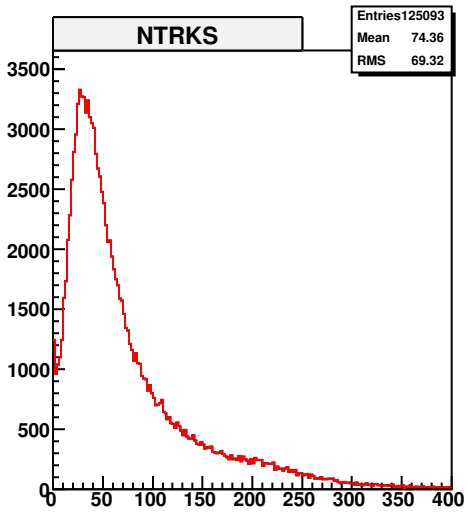
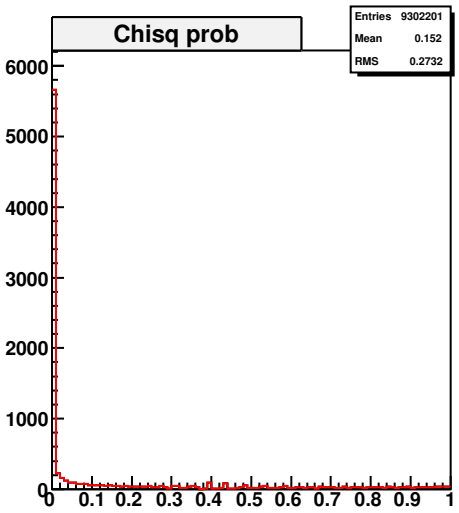
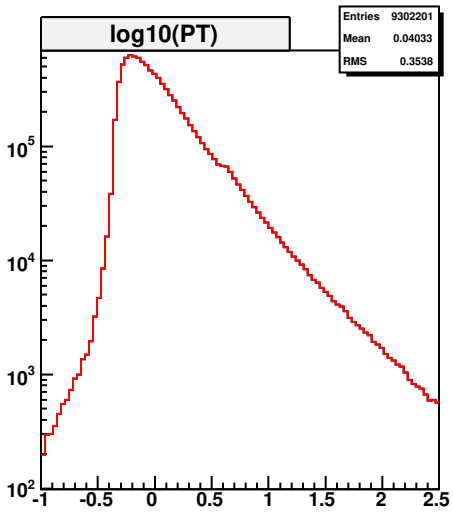
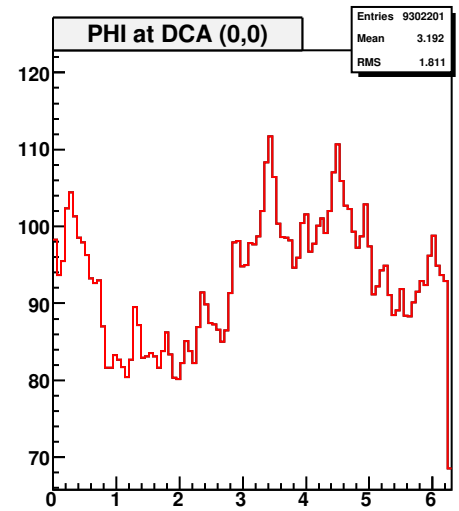
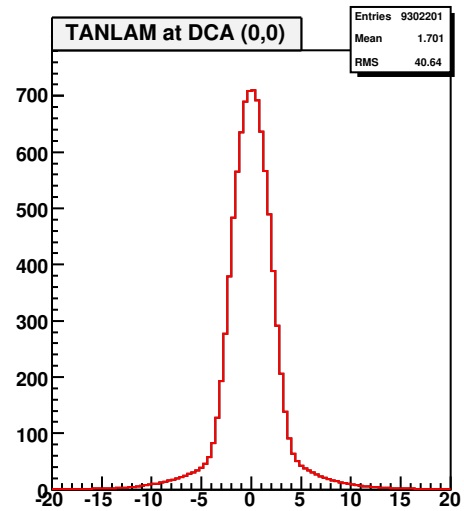
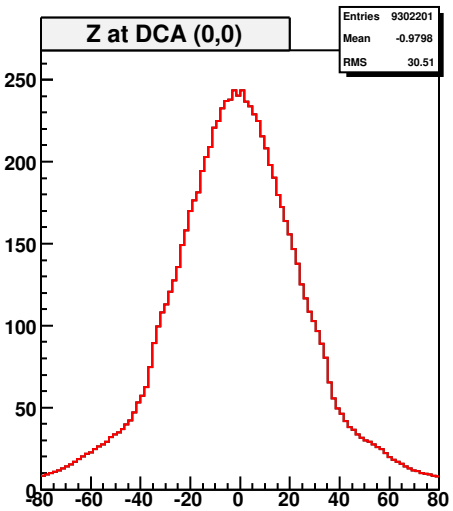

NTRKS
Entries 125093
Mean 74.36
RMS 69.32

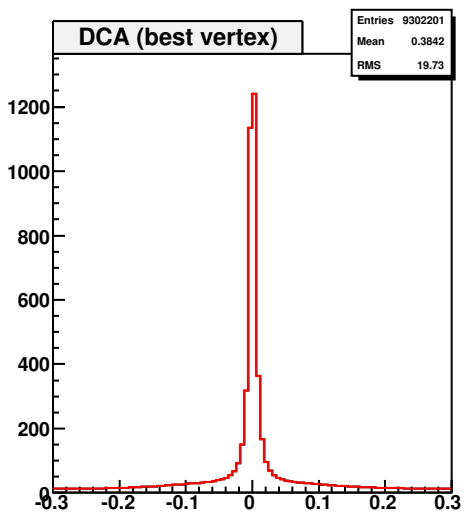

Chisq prob
Entries 9302201
Mean 0.152
RMS 0.2732

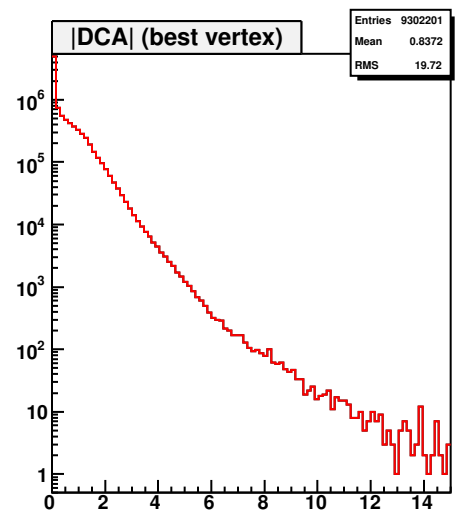

log10(PT)
Entries 9302201
Mean 0.04033
RMS 0.3538

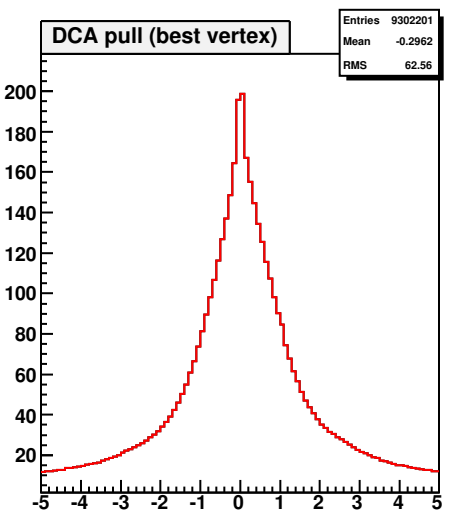

PHI at DCA (0,0)
Entries 9302201
Mean 3.192
RMS 1.811


TANLAM at DCA (0,0)
Entries 9302201
Mean 1.701
RMS 40.64

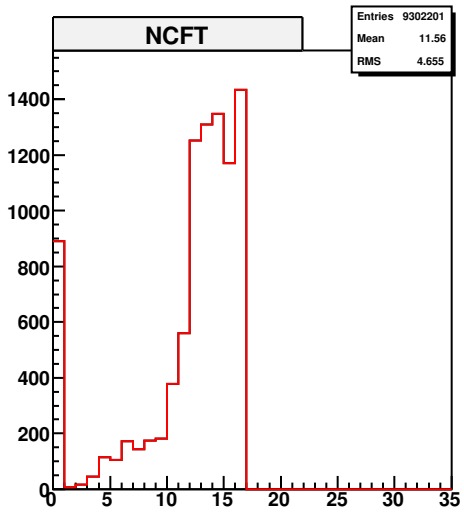

Z at DCA (0,0)
Entries 9302201
Mean -0.9798
RMS 30.51

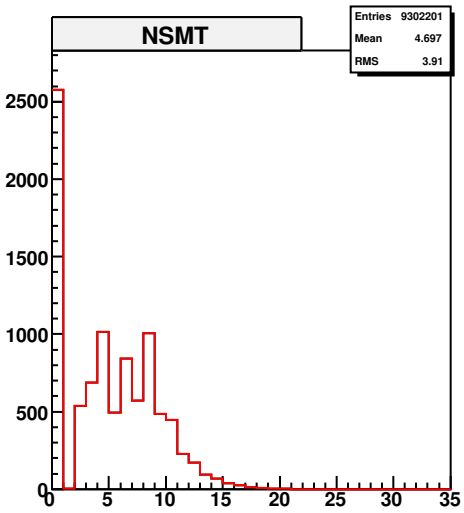

DCA (best vertex)
Entries 9302201
Mean 0.3842
RMS 19.73

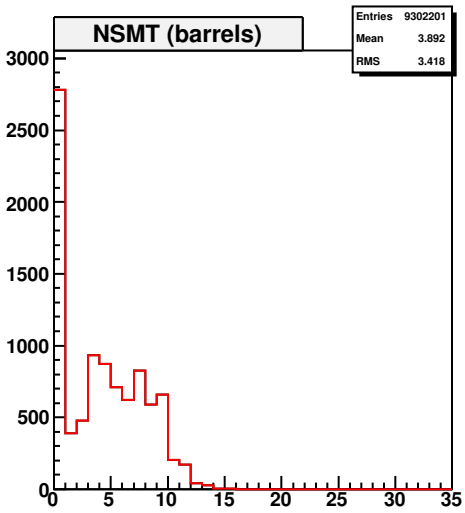

|DCA| (best vertex)
Entries 9302201
Mean 0.8372
RMS 19.72

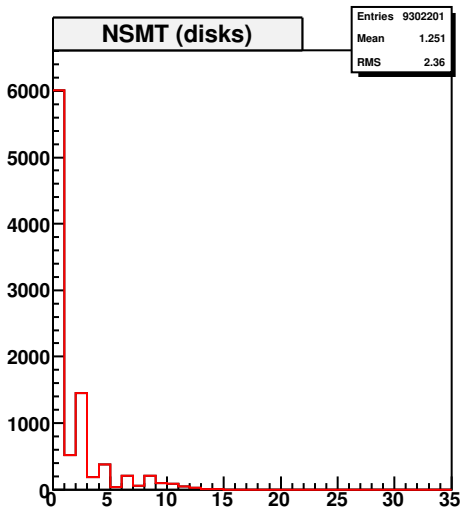

DCA pull (best vertex)
Entries 9302201
Mean -0.2962
RMS 62.56

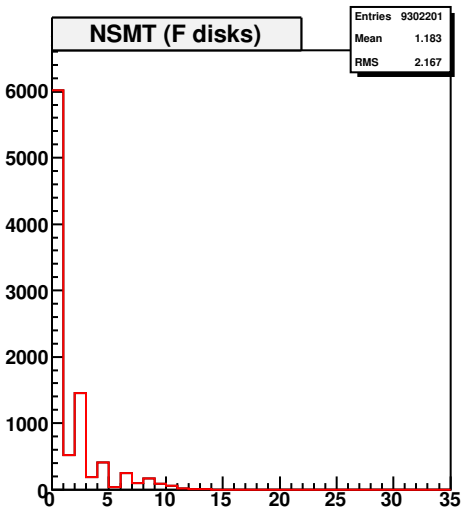
Tracks (All)

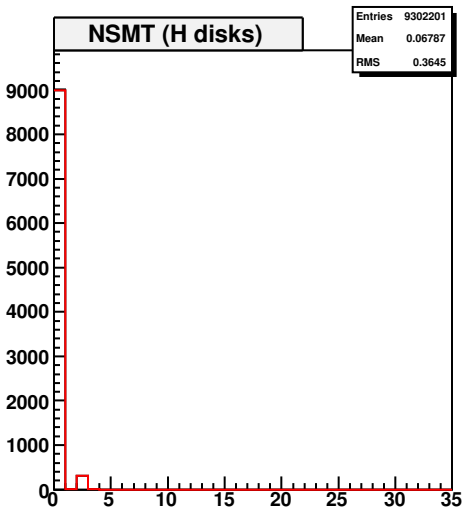


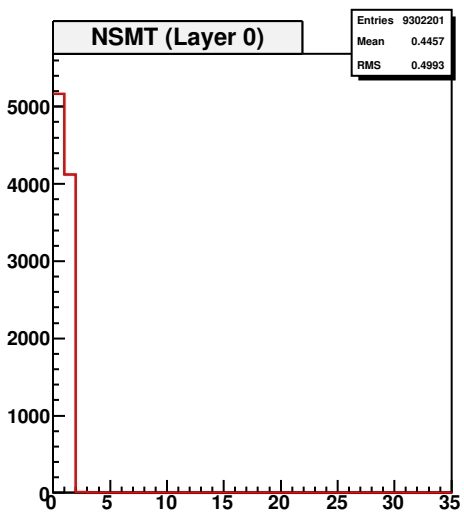




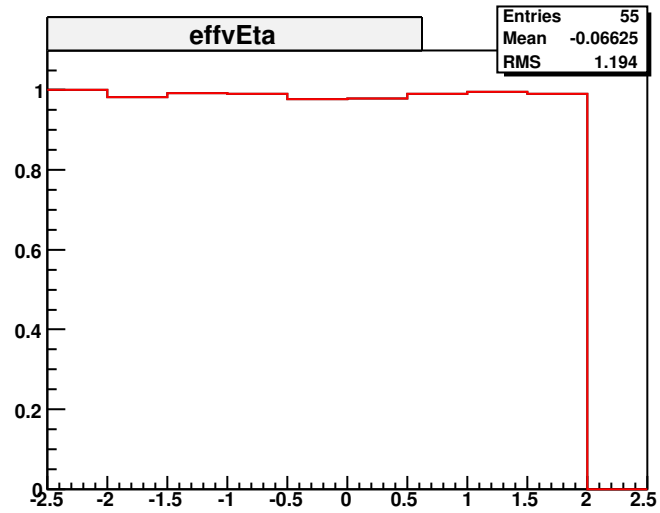


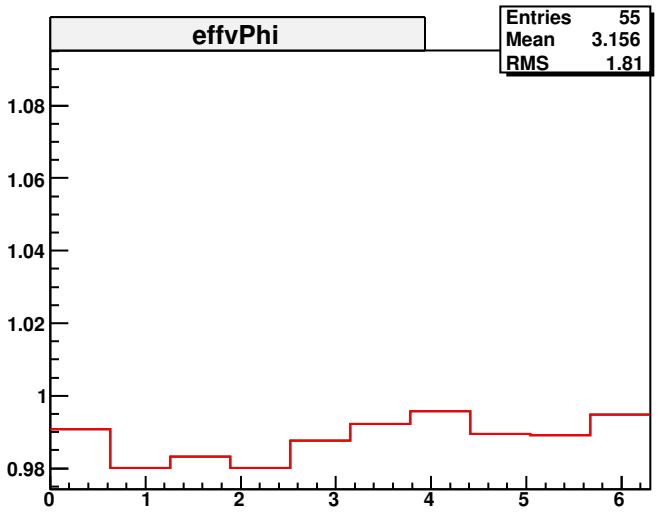


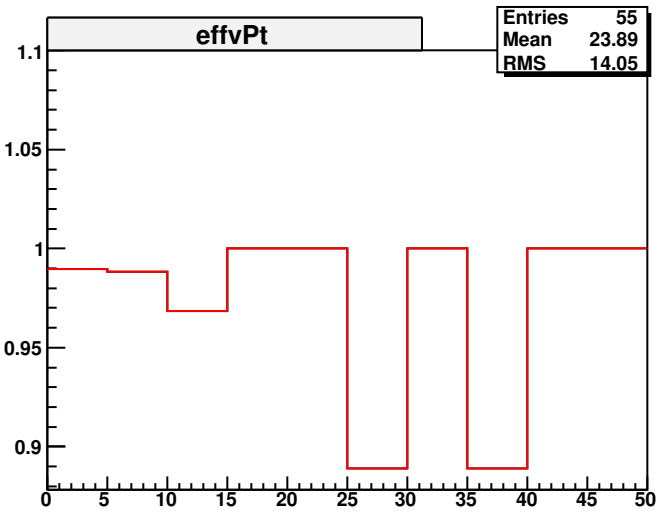


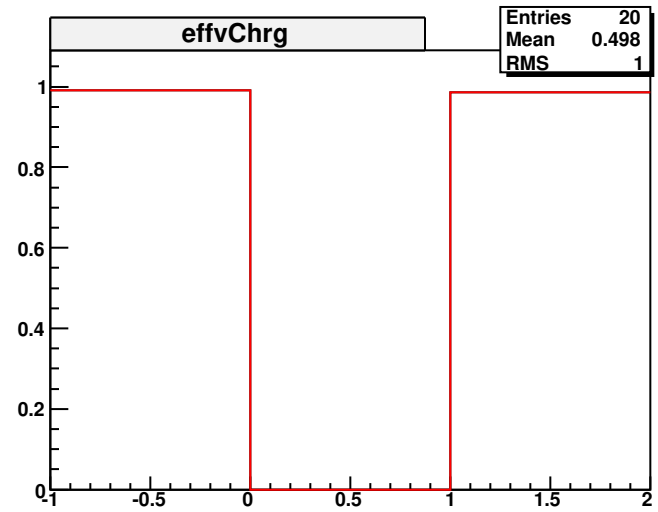


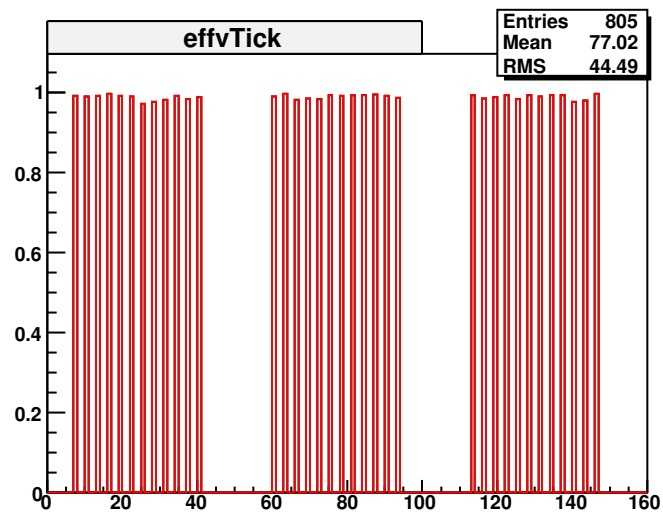
Track Hits (All)

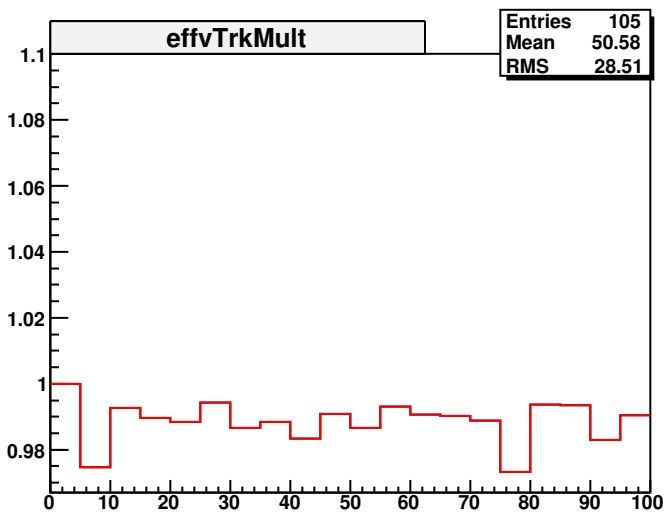




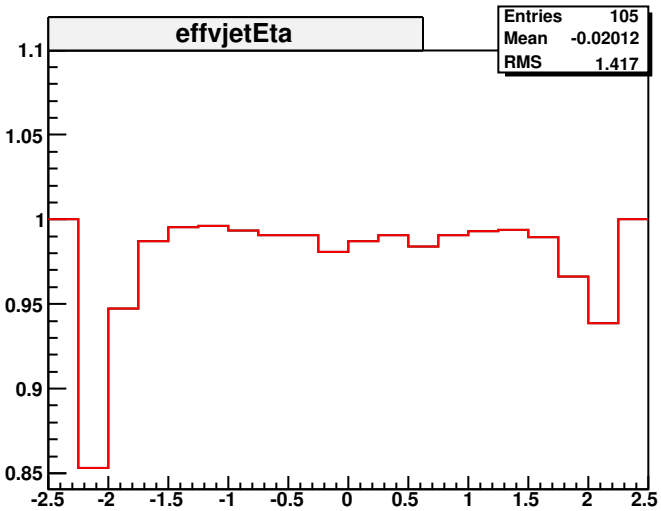


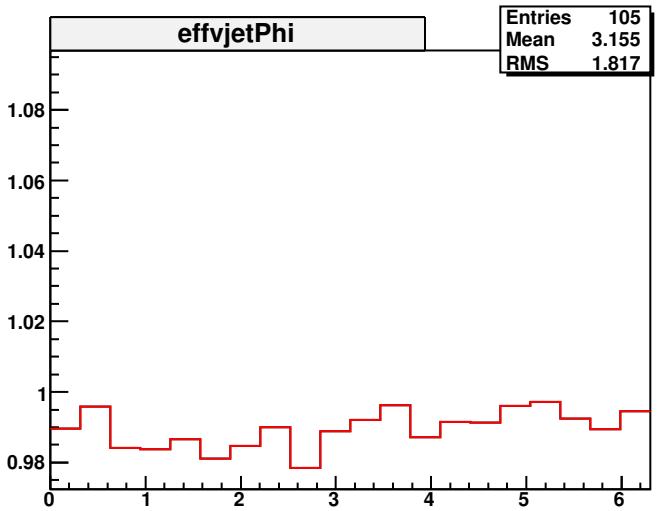


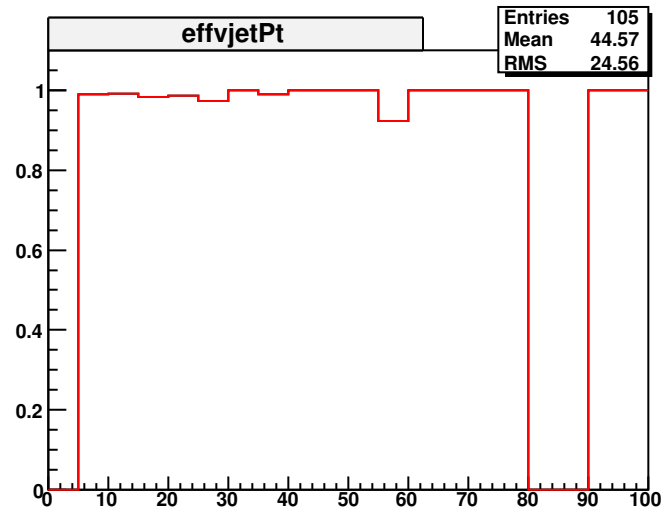




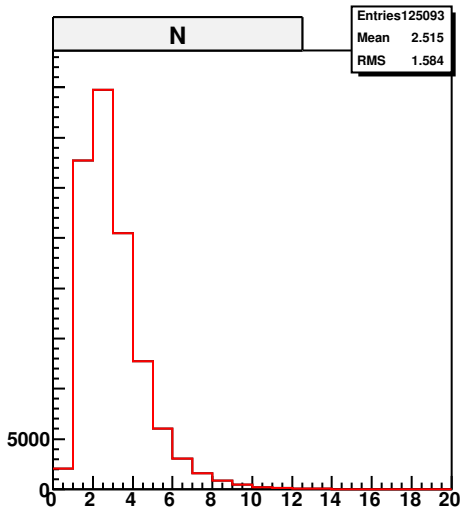
Tracking (Efficiency-Isolated)

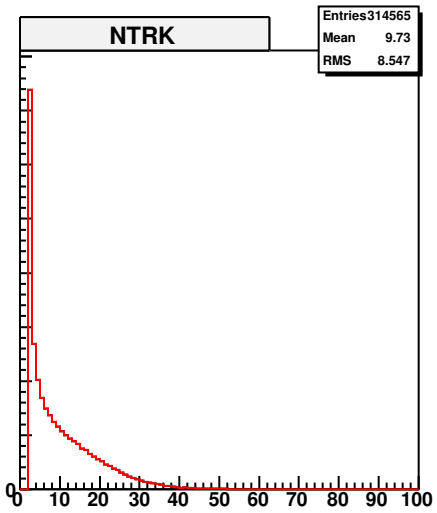


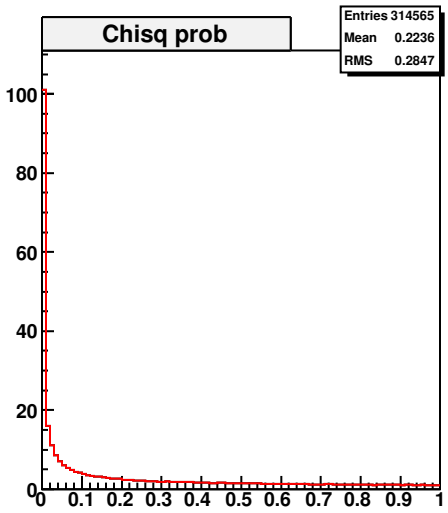


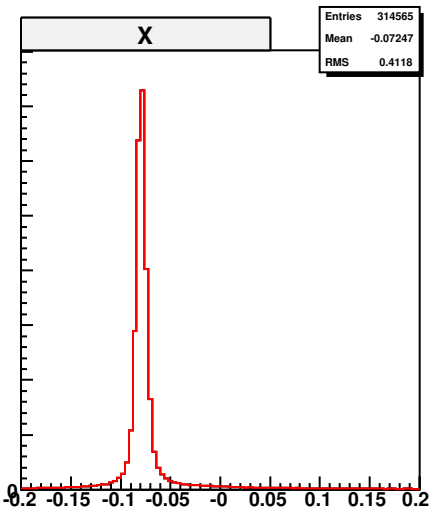


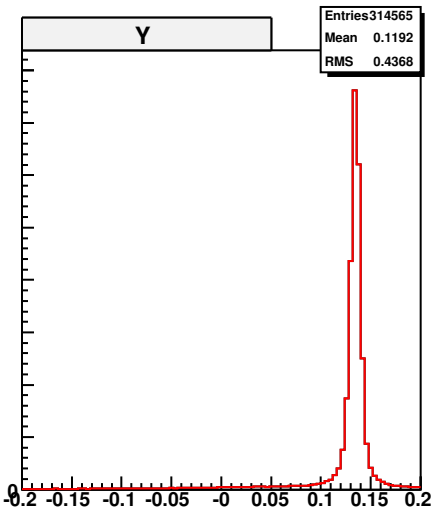
Tracking (Efficiency-InJets)

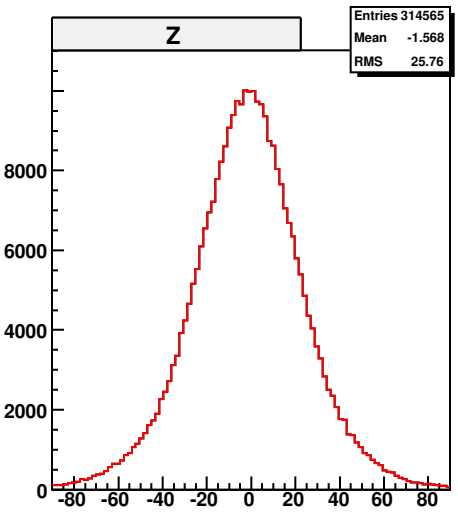




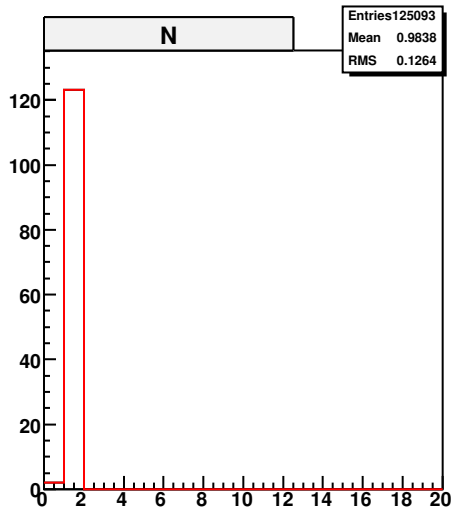


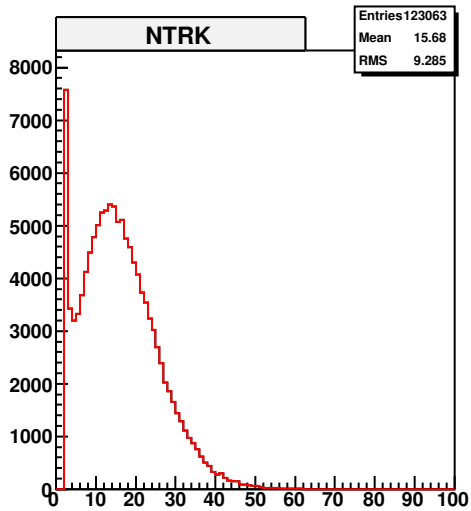


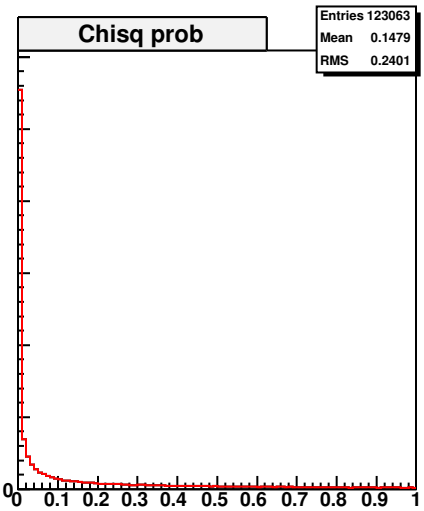


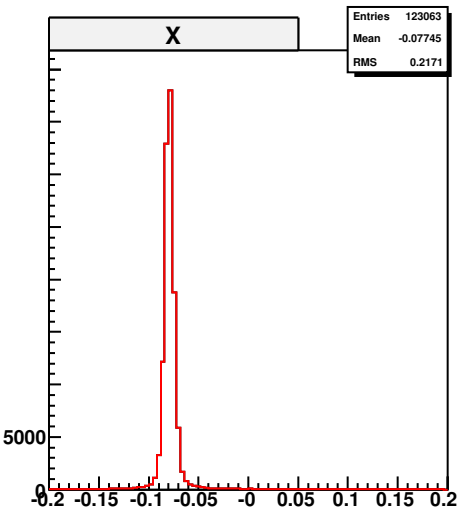


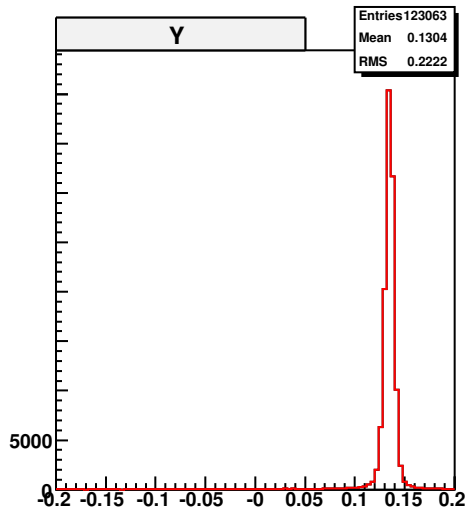
Vertices (Primary - all candidates)

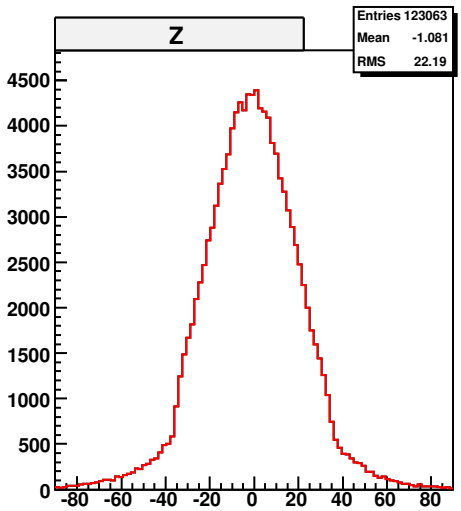




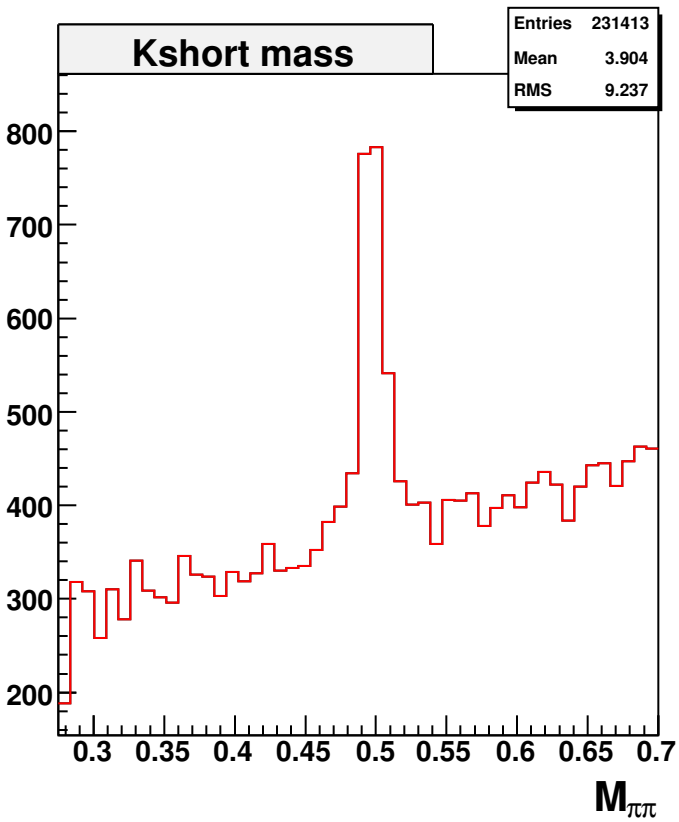


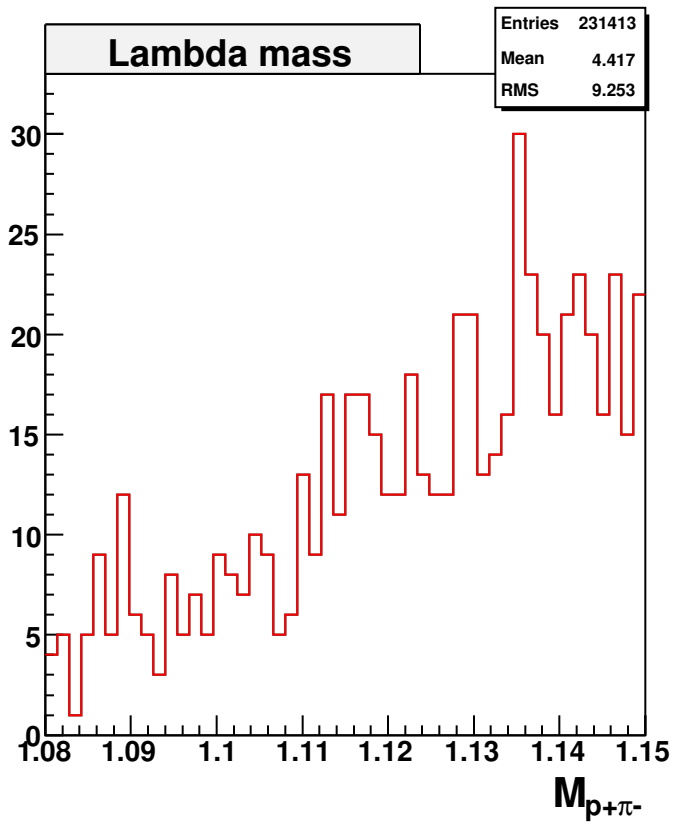


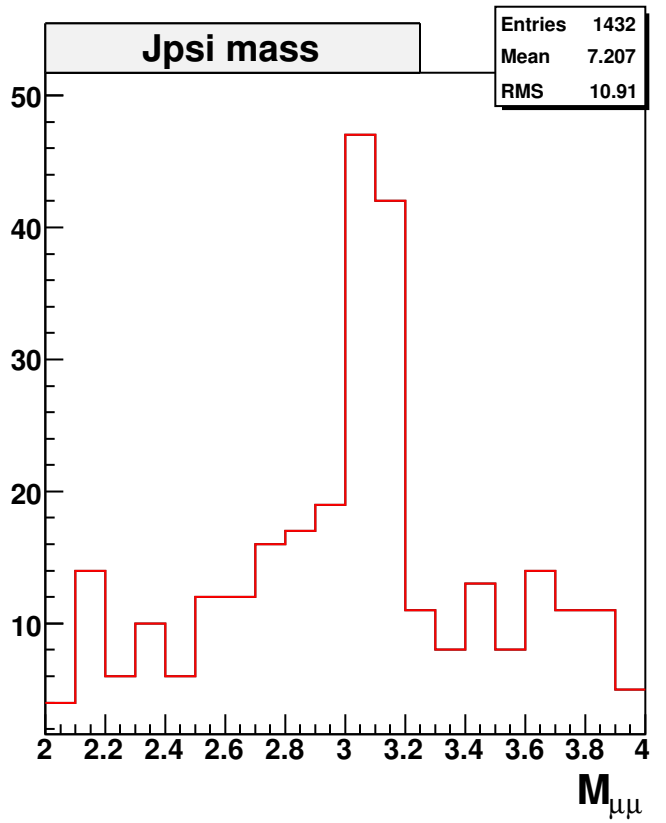


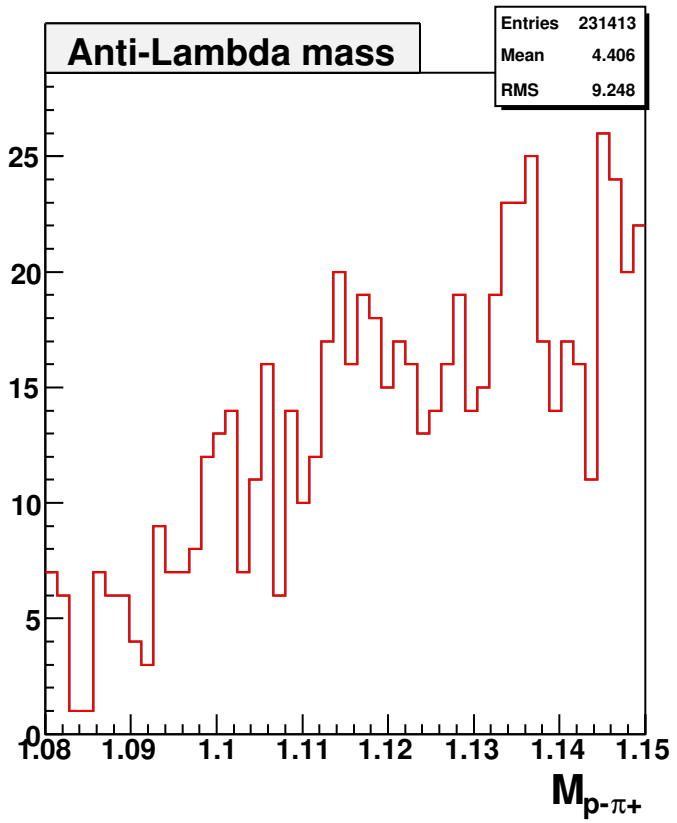


Vertices (Primary - best)

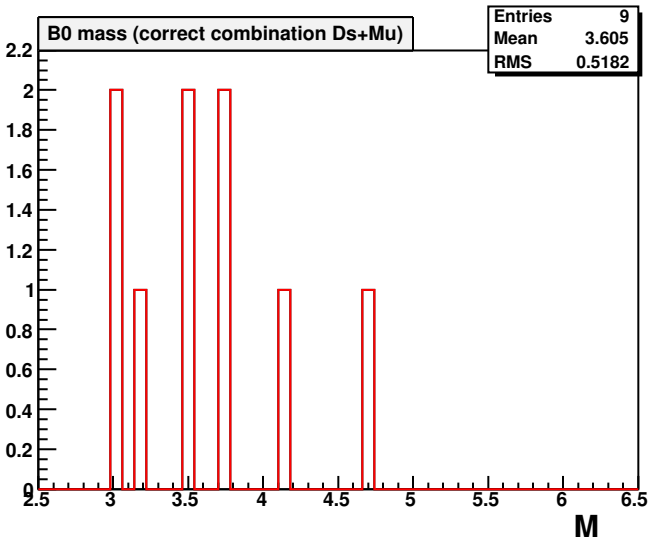

Kshort mass
Entries 231413
Mean 3.904
RMS 9.237
800
700
600
500
400
300
200
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

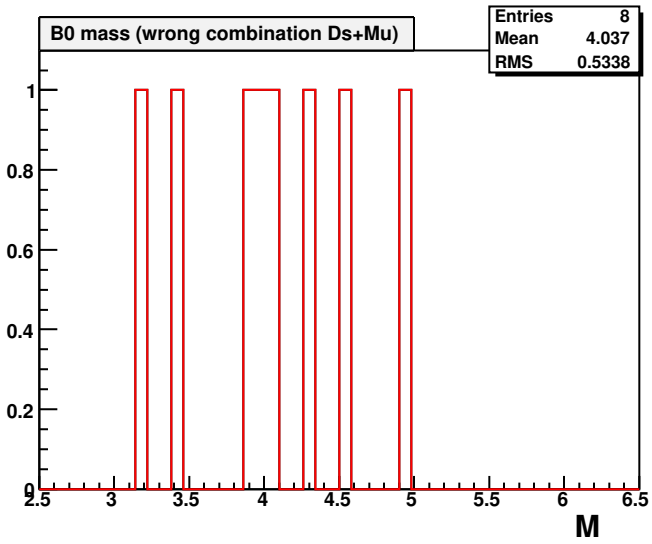

Lambda mass
Entries 231413
Mean 4.417
RMS 9.253
30
25
20
15
10
5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

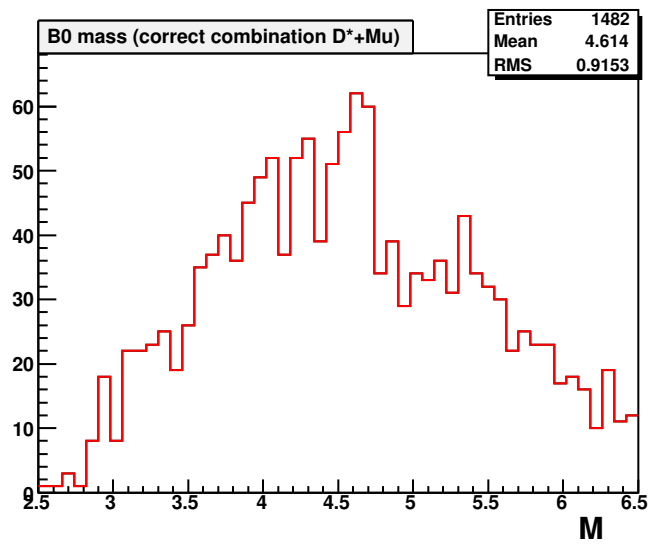

Jpsi mass
Entries 1432
Mean 7.207
RMS 10.91
50
40
30
20
10
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

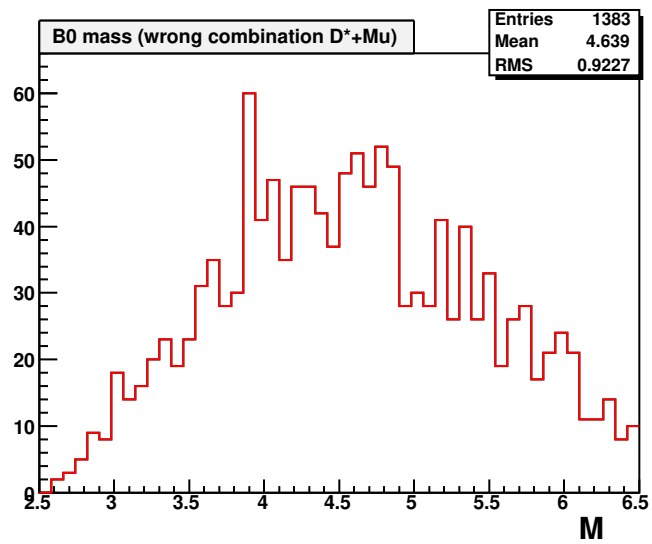

Anti-Lambda mass
Entries 231413
Mean 4.406
RMS 9.248
25
20
15
10
5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

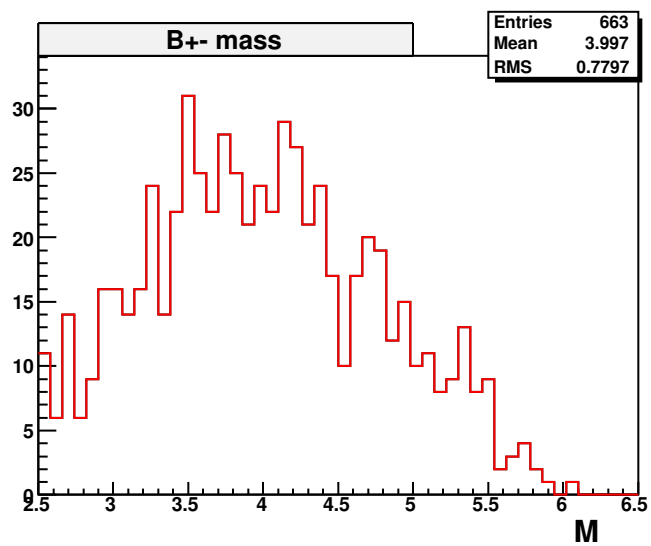
V0 (All)



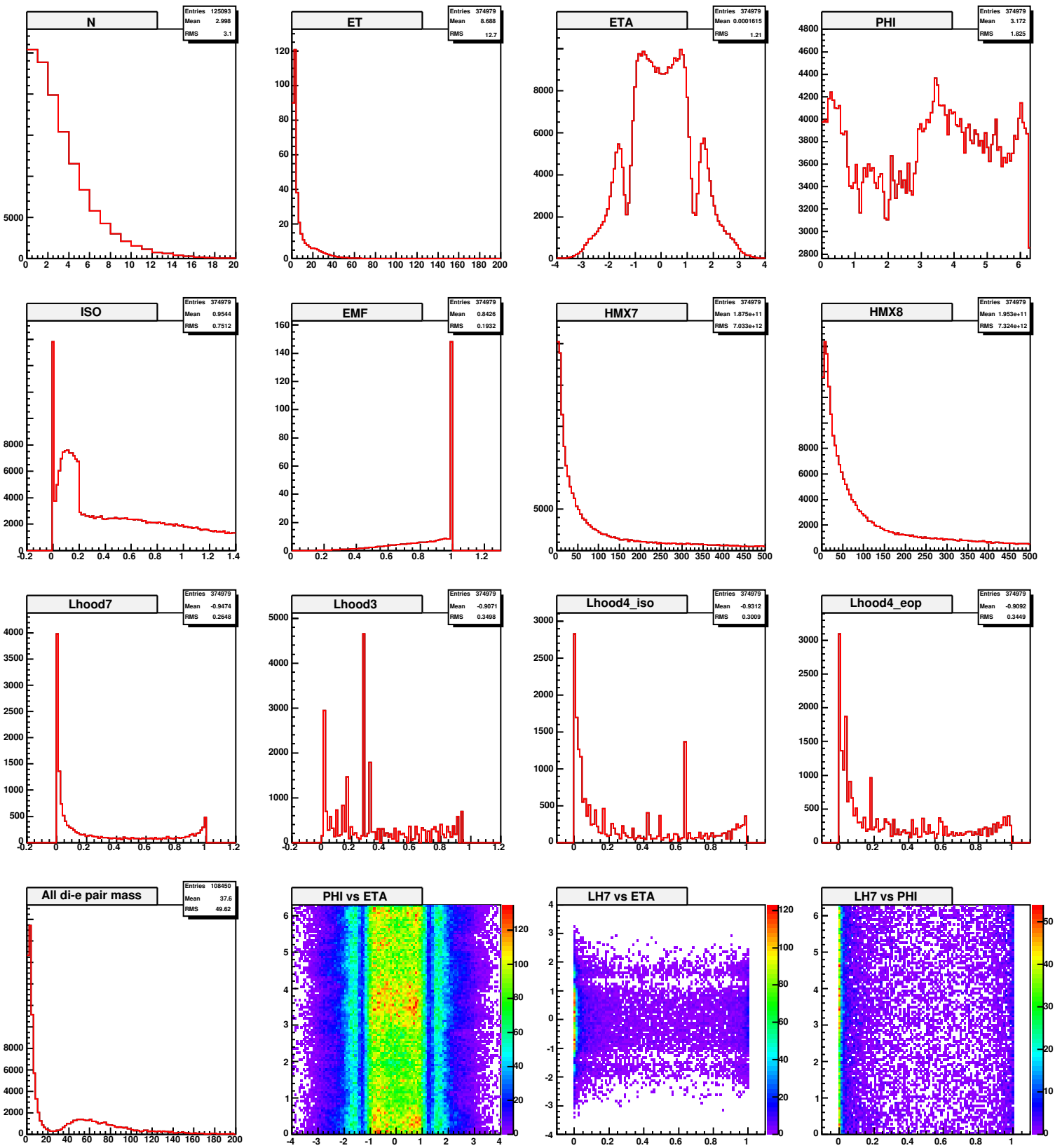




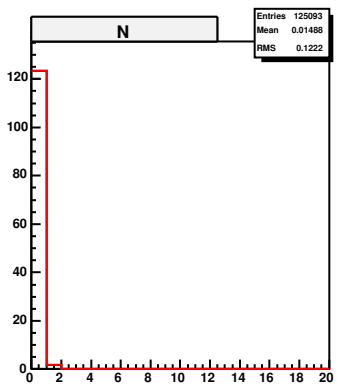


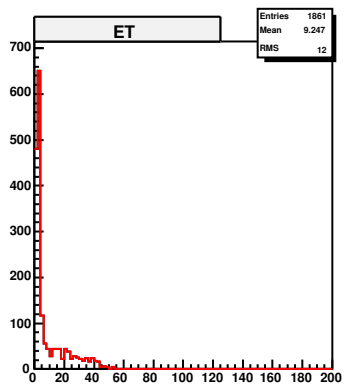


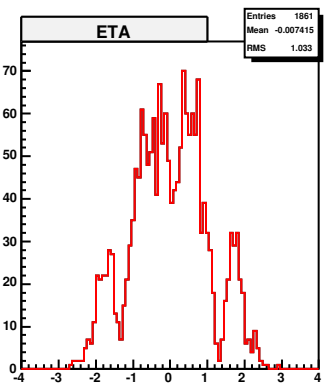
V0(B mesons) (All)

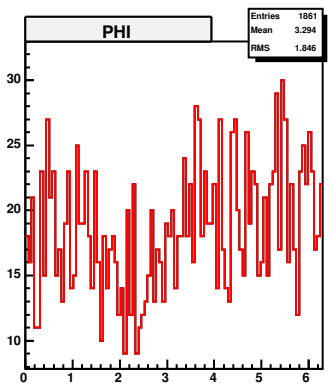


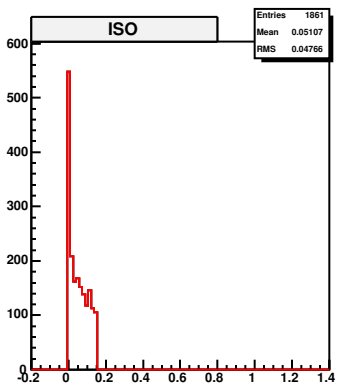
Electrons (SCONE All)

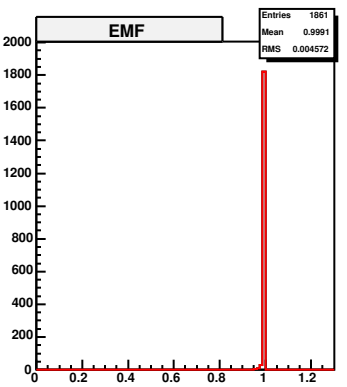


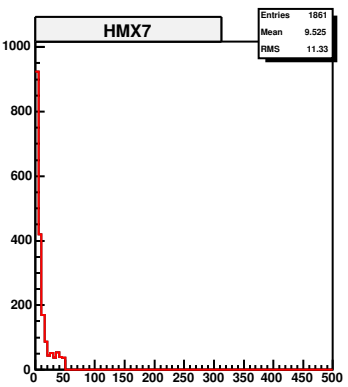


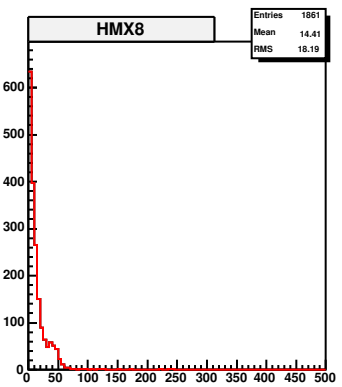


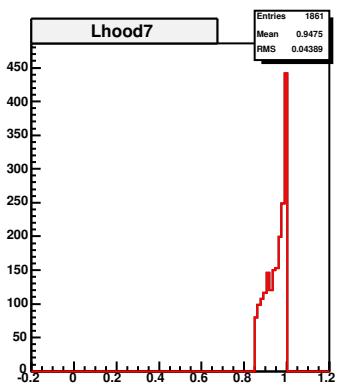


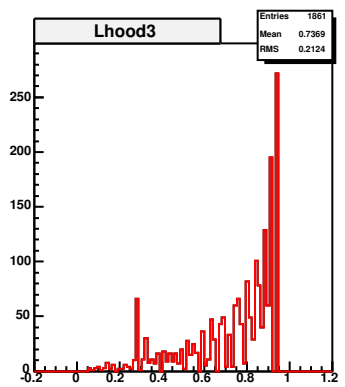


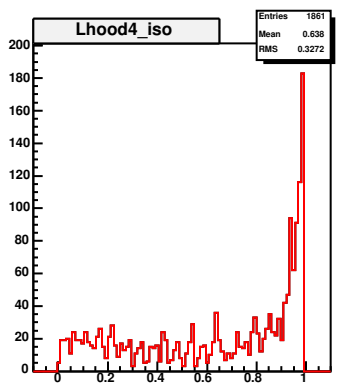


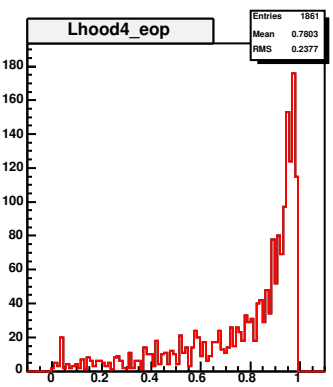


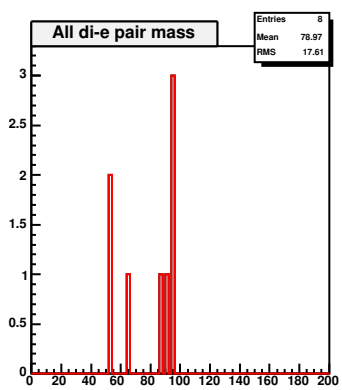


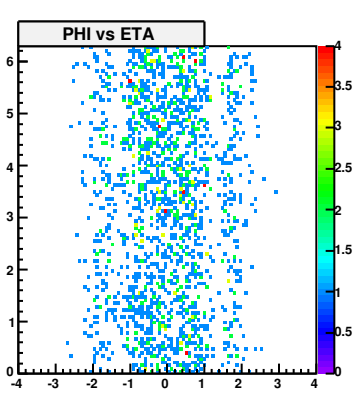


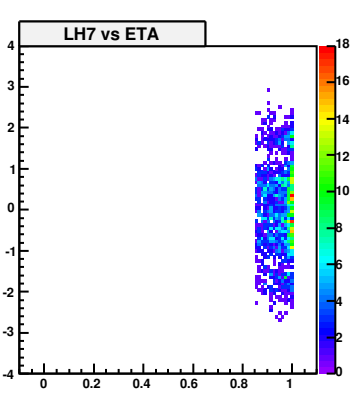


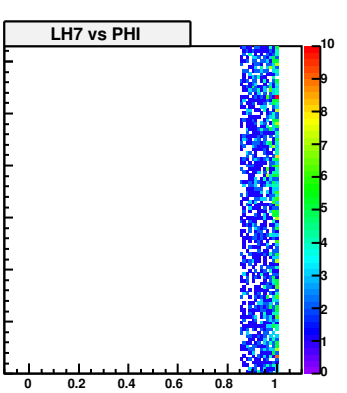




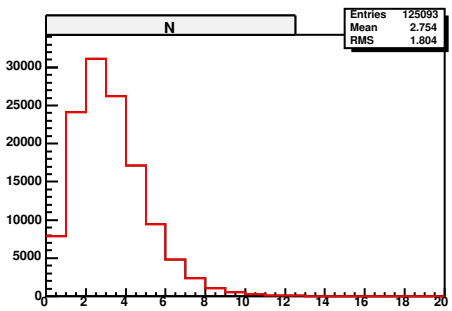


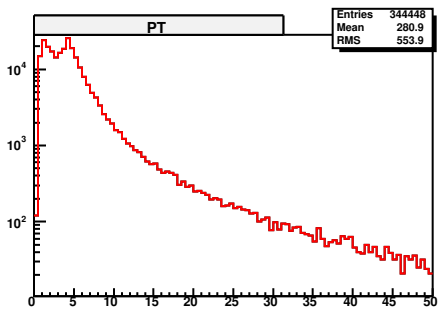


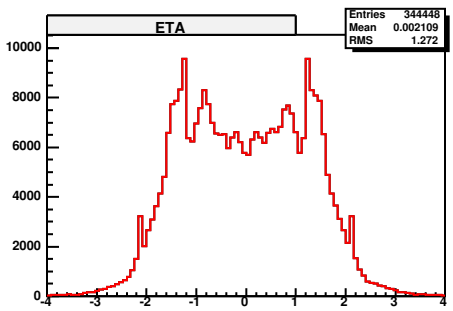


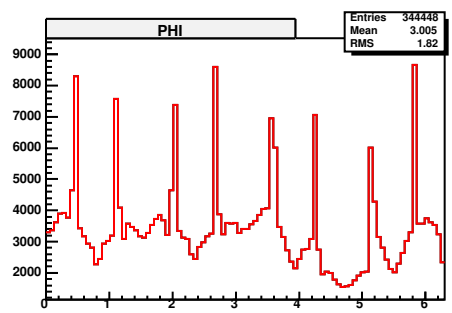


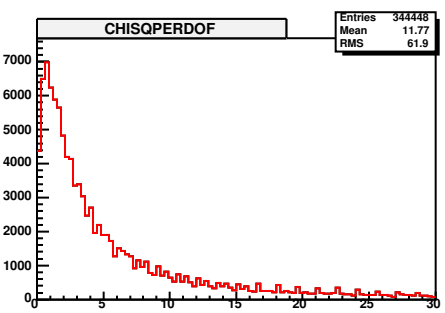
Electrons (SCONE Tight)

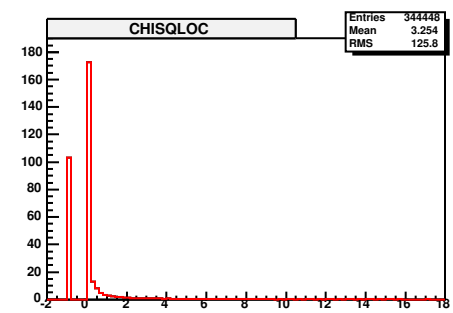

N
Entries 125093
Mean 2.754
RMS 1.804

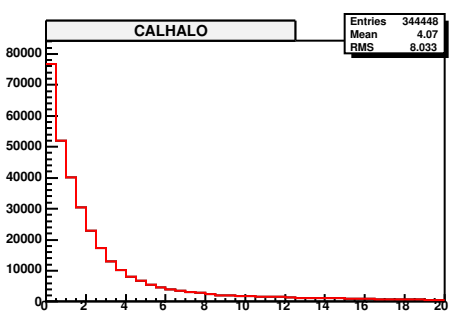

PT
Entries 344448
Mean 280.9
RMS 553.9

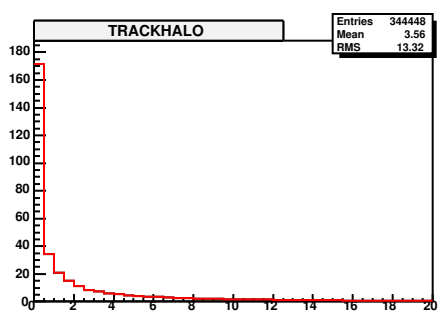

ETA
Entries 344448
Mean 0.002109
RMS 1.272

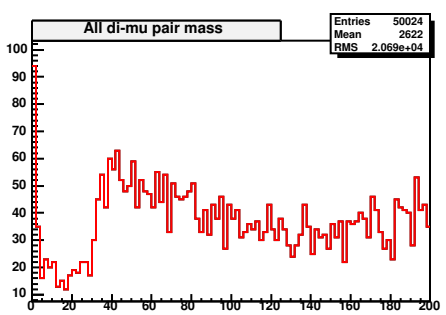

PHI
Entries 344448
Mean 3.005
RMS 1.82

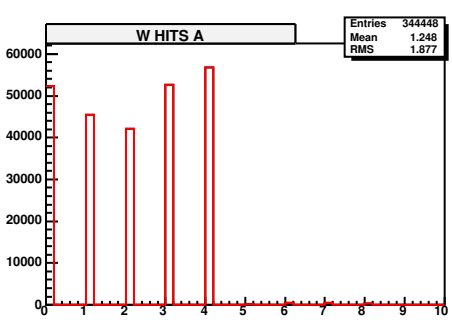

CHISQPERDOF
Entries 344448
Mean 11.77
RMS 61.9

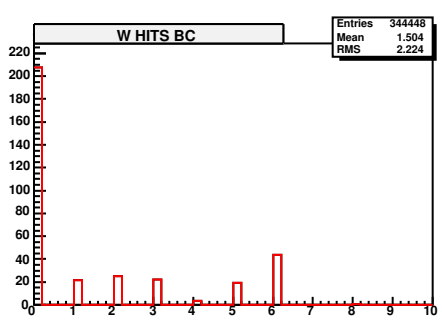

CHISQLOC
Entries 344448
Mean 3.254
RMS 125.8

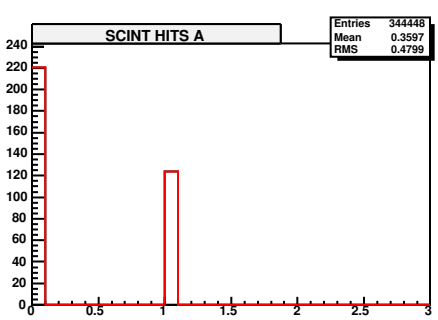

CALHALO
Entries 344448
Mean 4.07
RMS 8.033

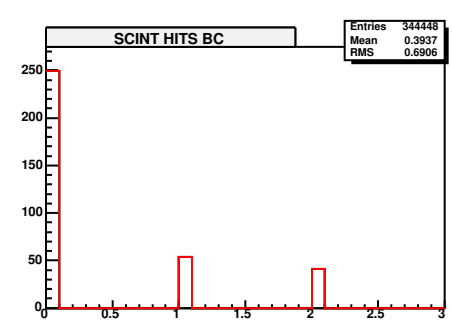

TRACKHALO
Entries 344448
Mean 3.56
RMS 13.32


All di-mu pair mass
Entries 50024
Mean 2622
RMS 2.069e+04

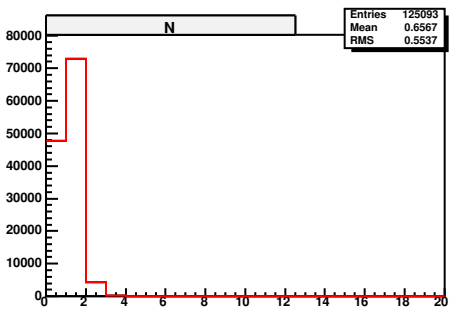

W HITS A
Entries 344448
Mean 1.248
RMS 1.877

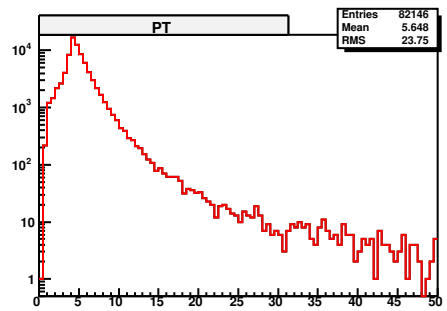

W HITS BC
Entries 344448
Mean 1.504
RMS 2.224

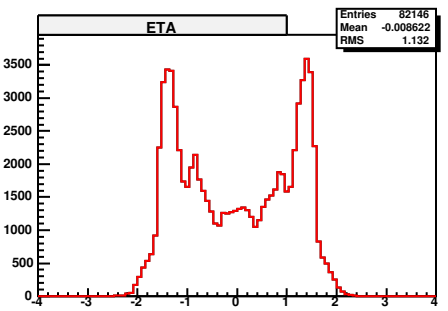

SCINT HITS A
Entries 344448
Mean 0.3597
RMS 0.4799

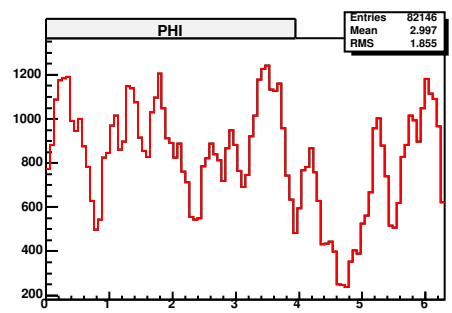

SCINT HITS BC
Entries 344448
Mean 0.3937
RMS 0.6906

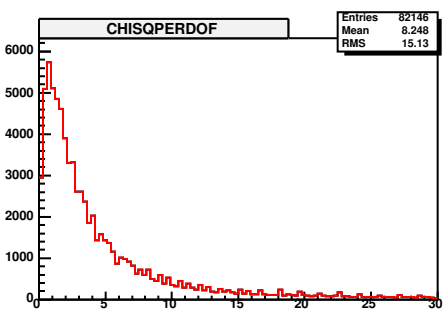
Muons (All)

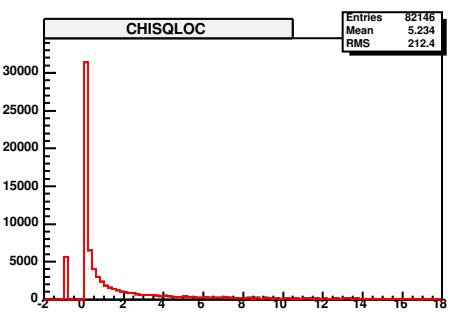


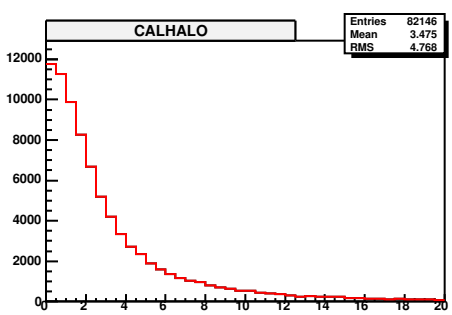


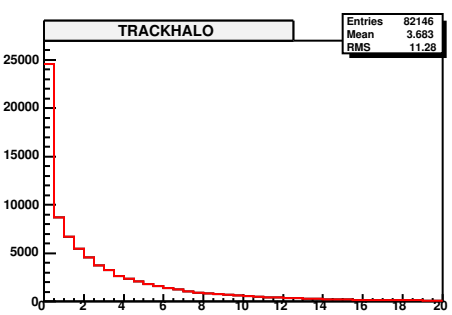


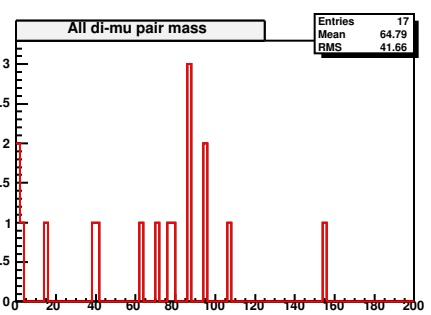


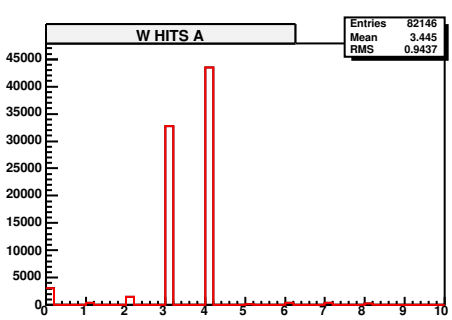


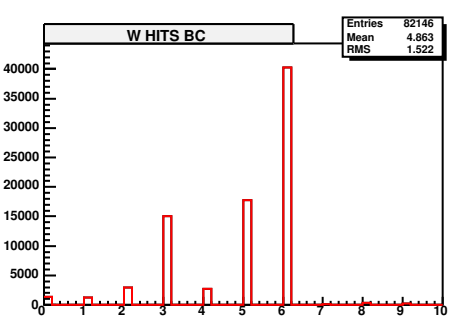


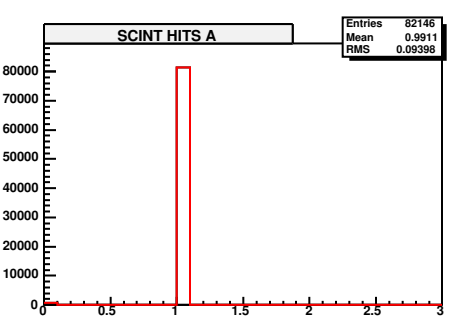


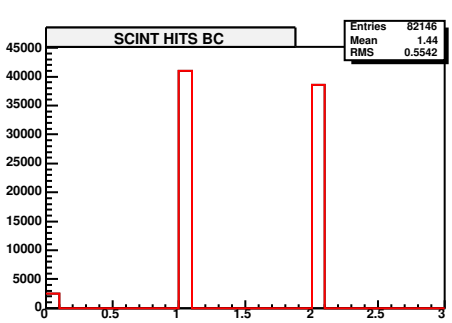




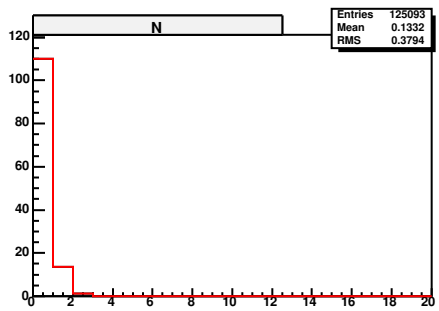


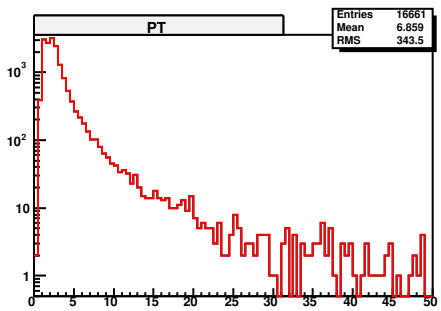


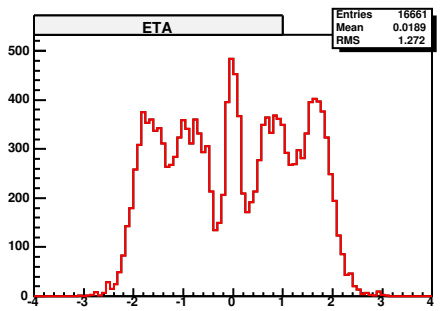


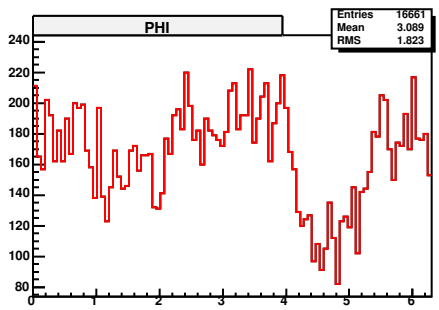


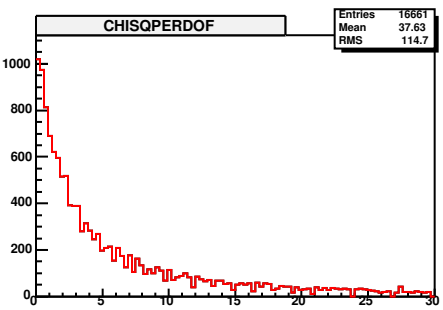
Muons (Matched)

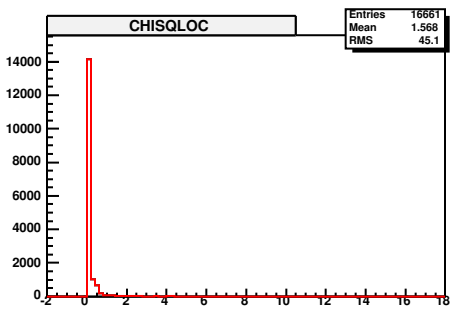

N
Entries 125093
Mean 0.1332
RMS 0.3794

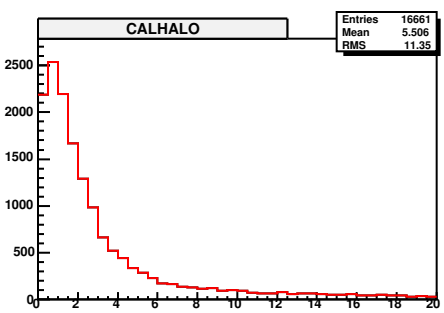

PT
Entries 16661
Mean 6.859
RMS 343.5

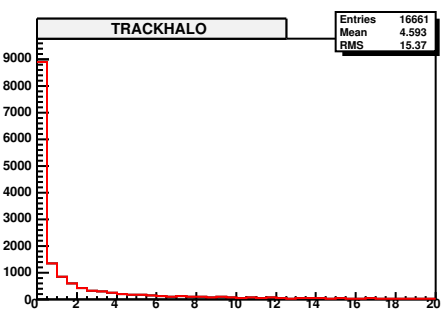

ETA
Entries 16661
Mean 0.0189
RMS 1.272

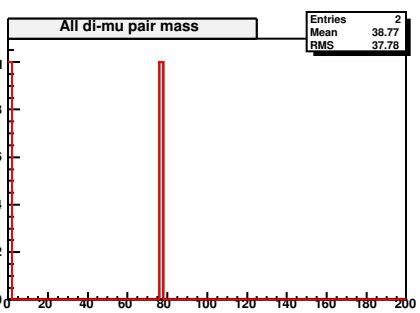

PHI
Entries 16661
Mean 3.089
RMS 1.823

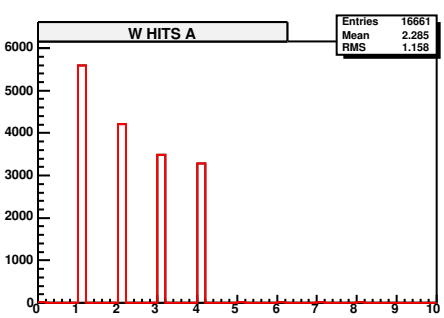

CHISQPERDOF
Entries 16661
Mean 37.63
RMS 114.7

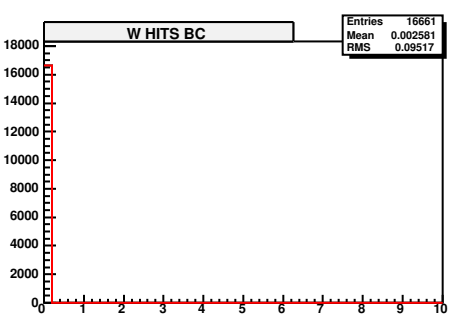

CHISQLOC
Entries 16661
Mean 1.568
RMS 45.1

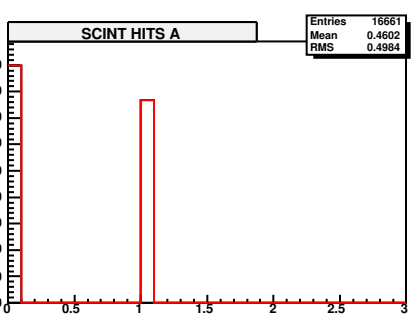

CALHALO
Entries 16661
Mean 5.506
RMS 11.35

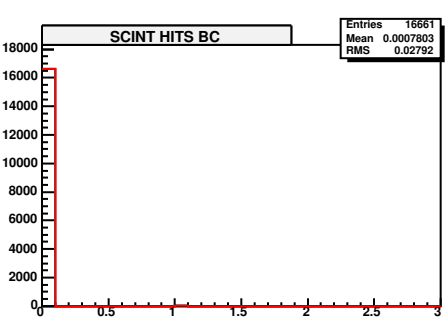

TRACKHALO
Entries 16661
Mean 4.593
RMS 15.37


All di-mu pair mass
Entries 2
Mean 38.77
RMS 37.78

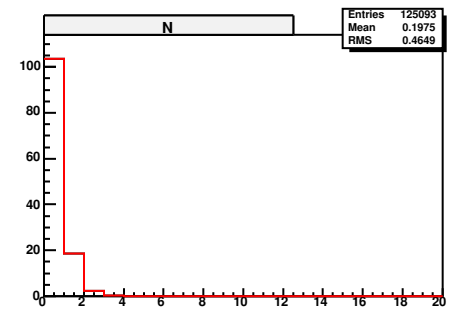

W HITS A
Entries 16661
Mean 2.285
RMS 1.158

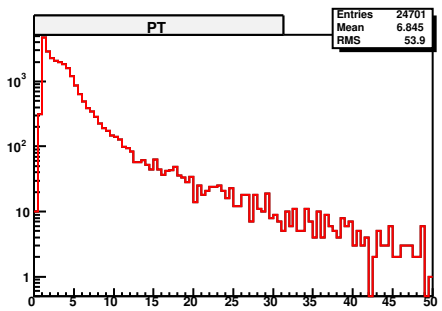

W HITS BC
Entries 16661
Mean 0.002581
RMS 0.09517

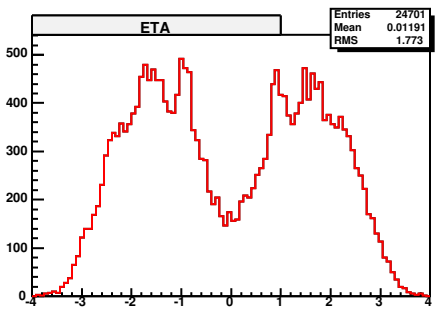

SCINT HITS A
Entries 16661
Mean 0.4602
RMS 0.4984

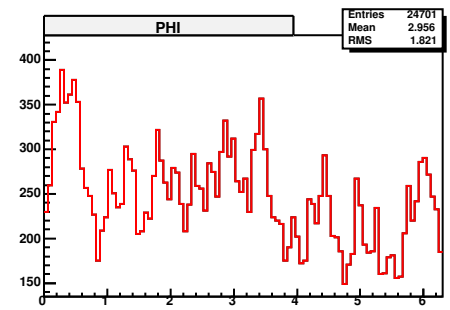

SCINT HITS BC
Entries 16661
Mean 0.0007803
RMS 0.02792

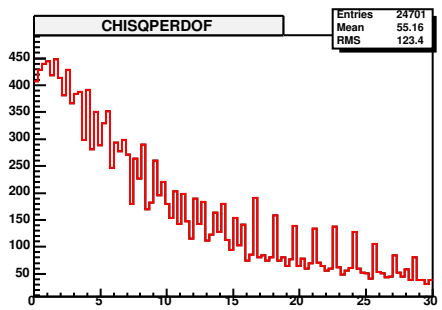
Muons (Astub)

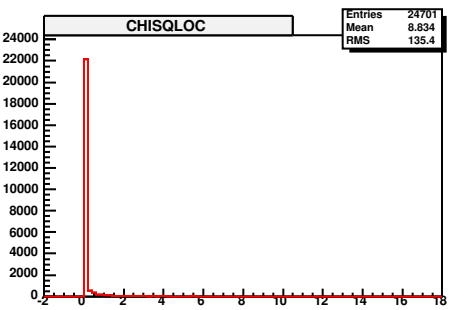


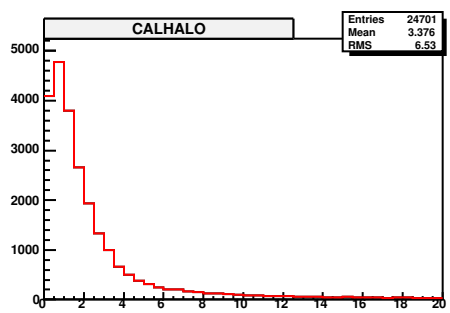


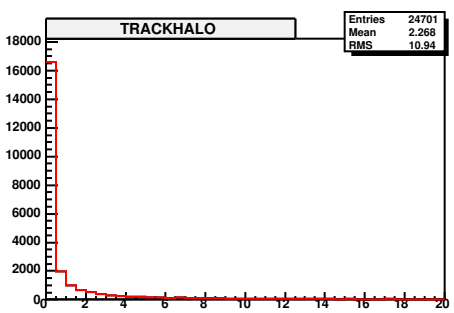


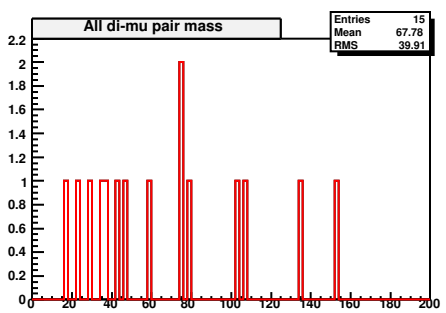


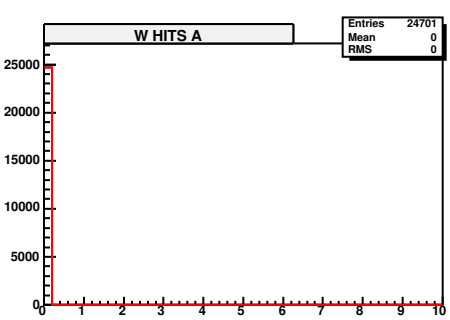


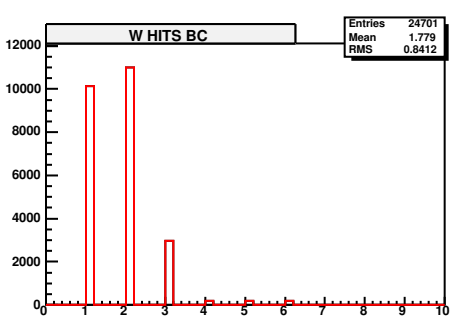


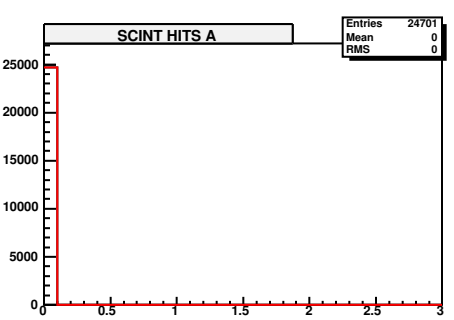


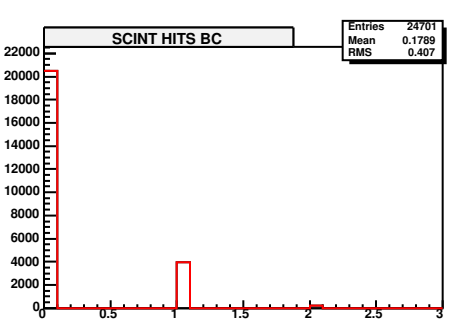




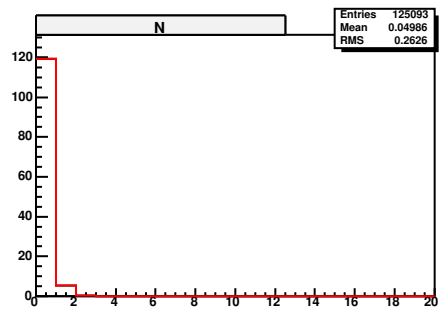


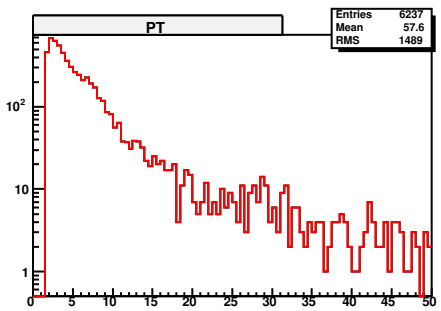


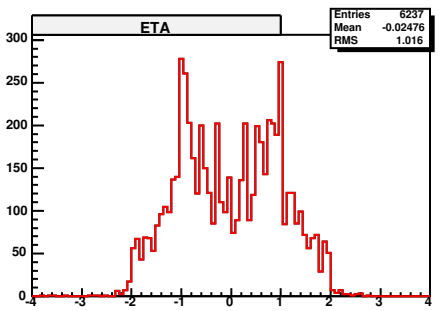


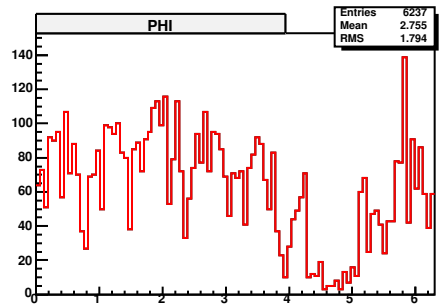


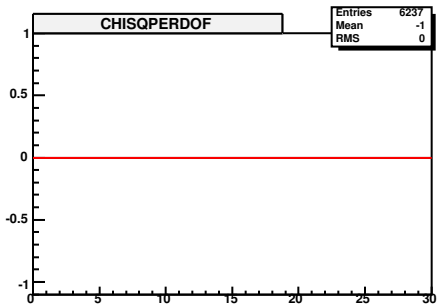
Muons (BCstub)

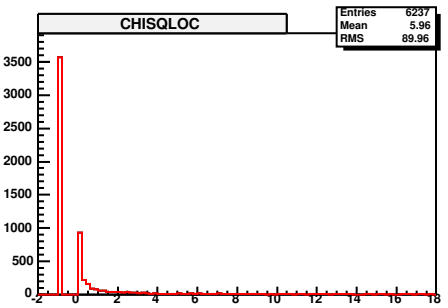


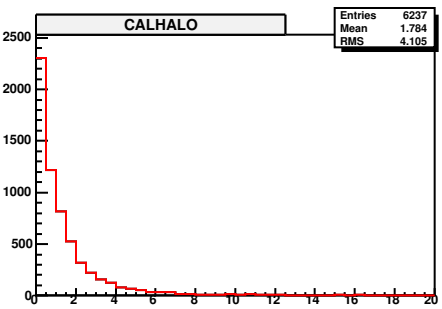


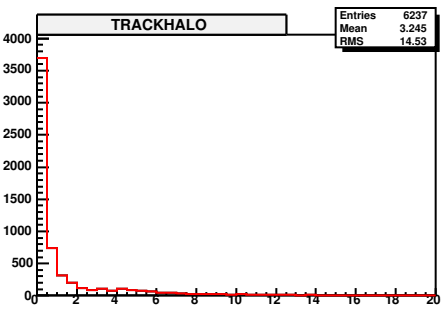


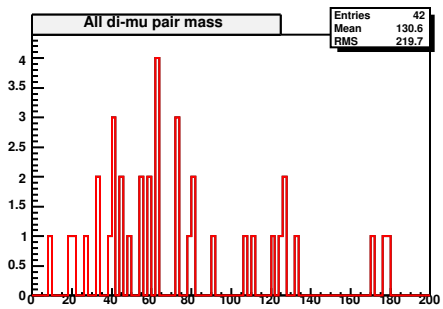


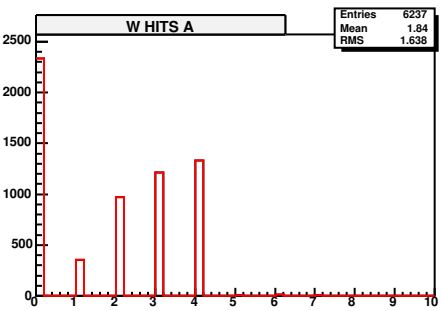


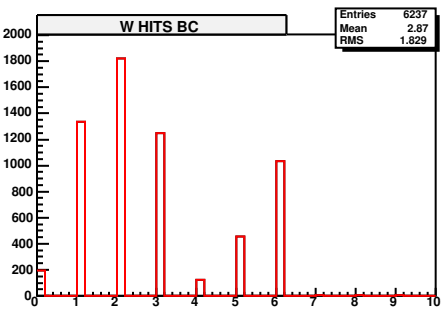


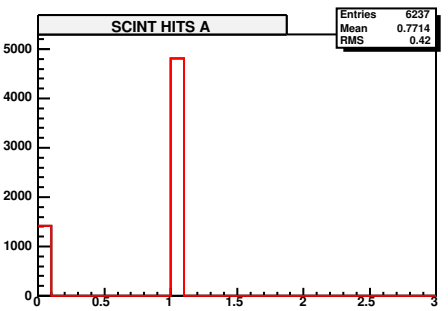


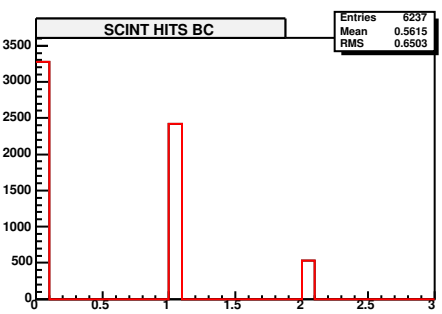




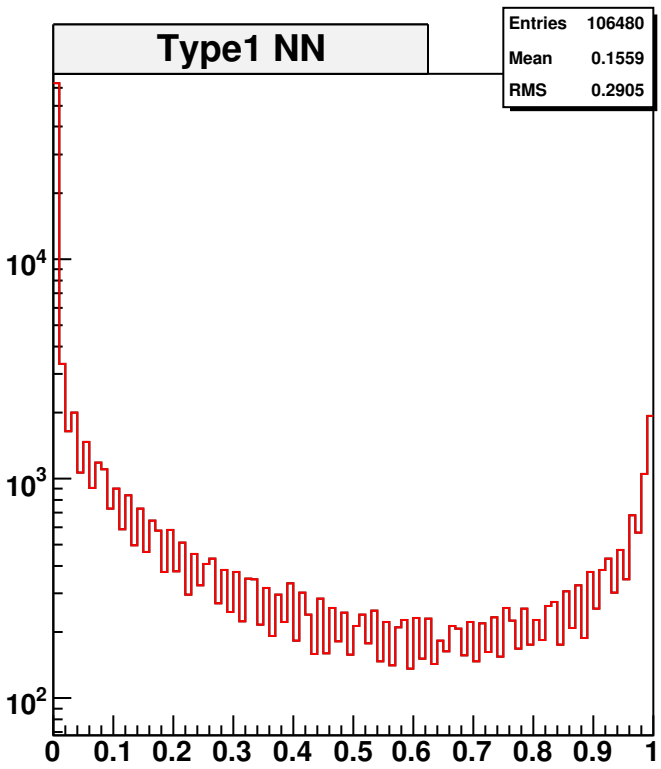


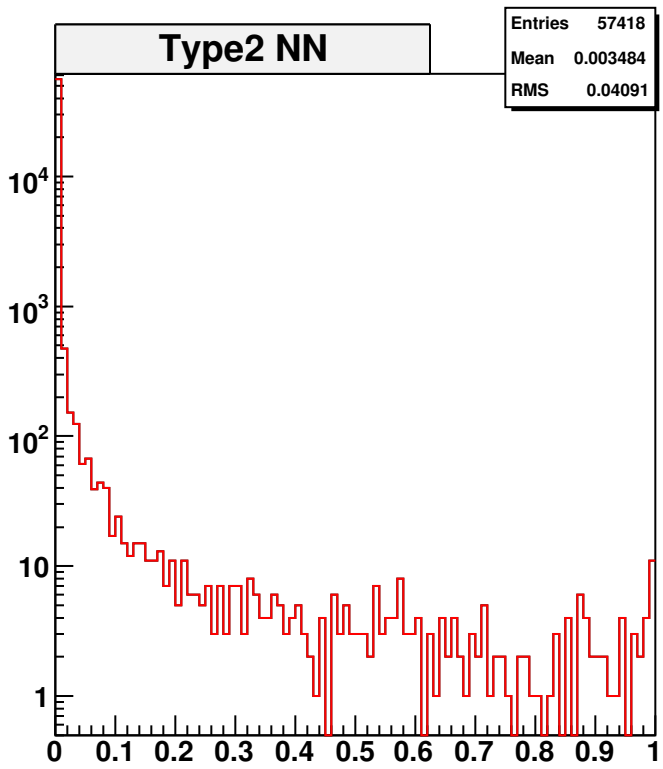


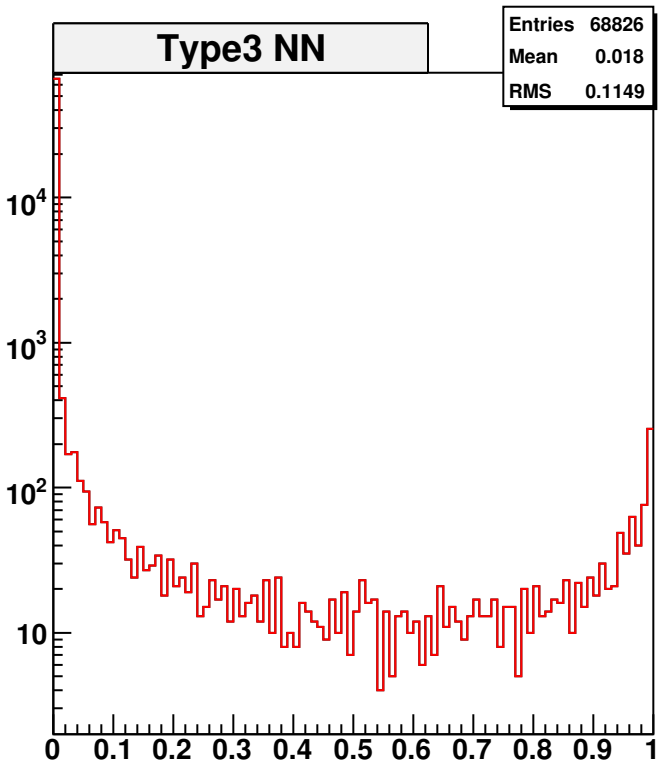


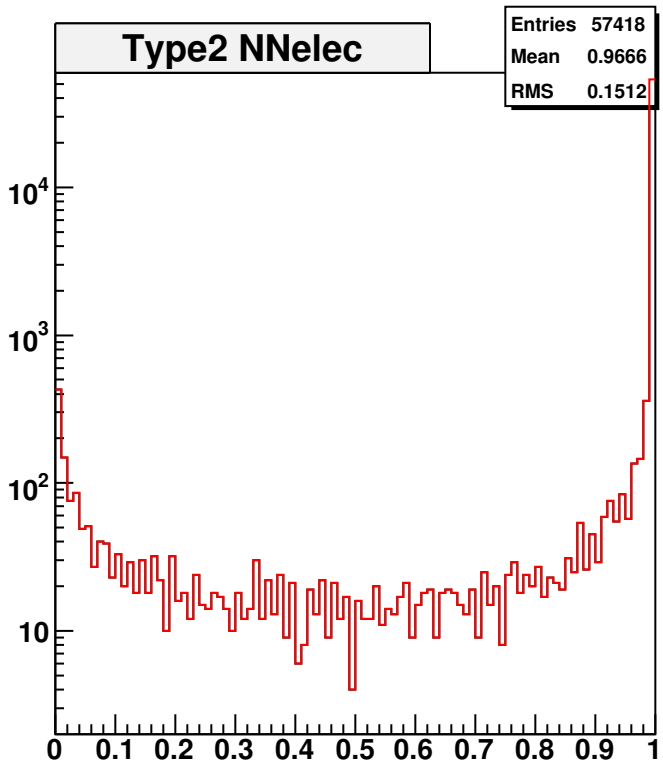


Muons (Unmatched)

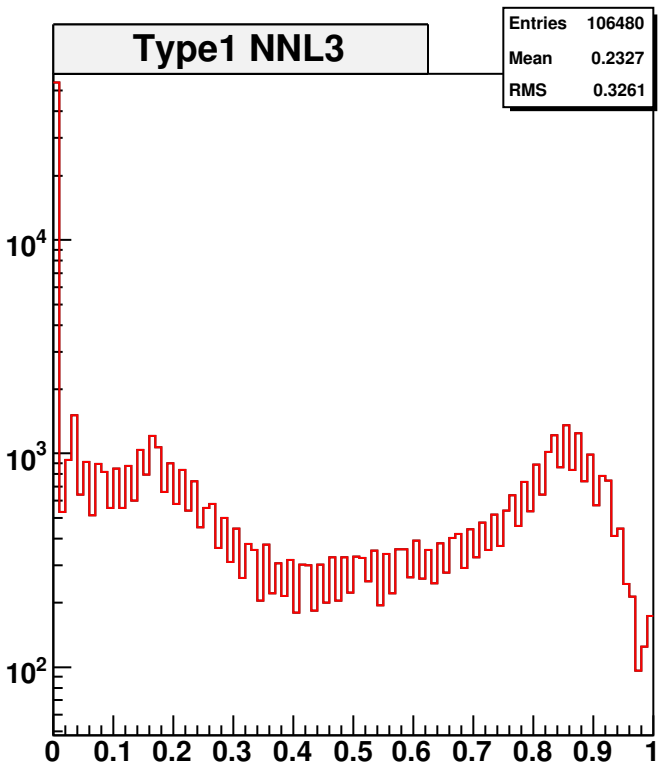


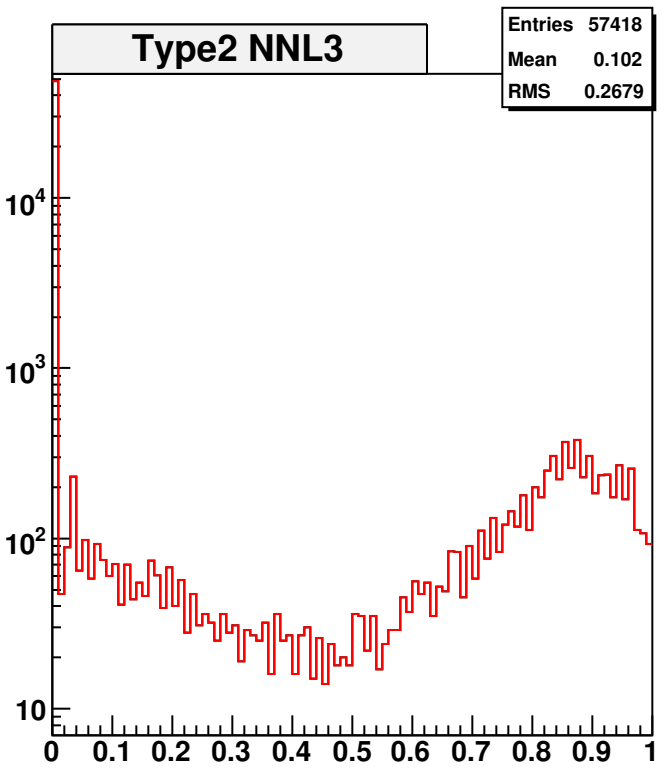


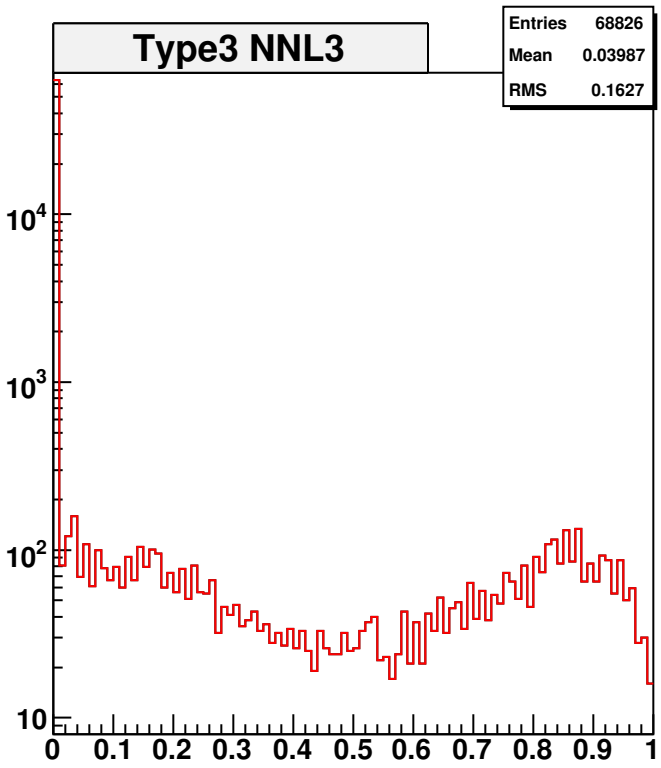


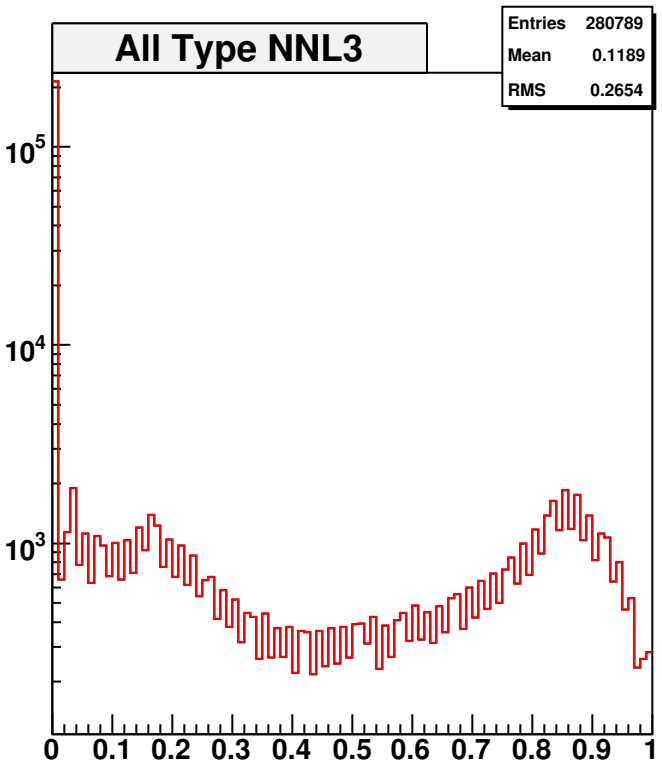


Taus NN (TAU All)

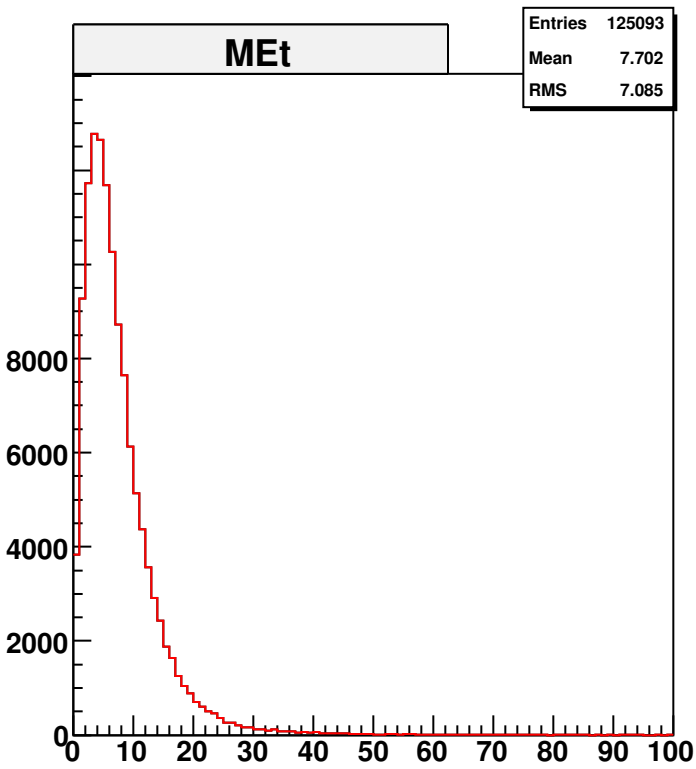








Taus NNL3 (TAU All)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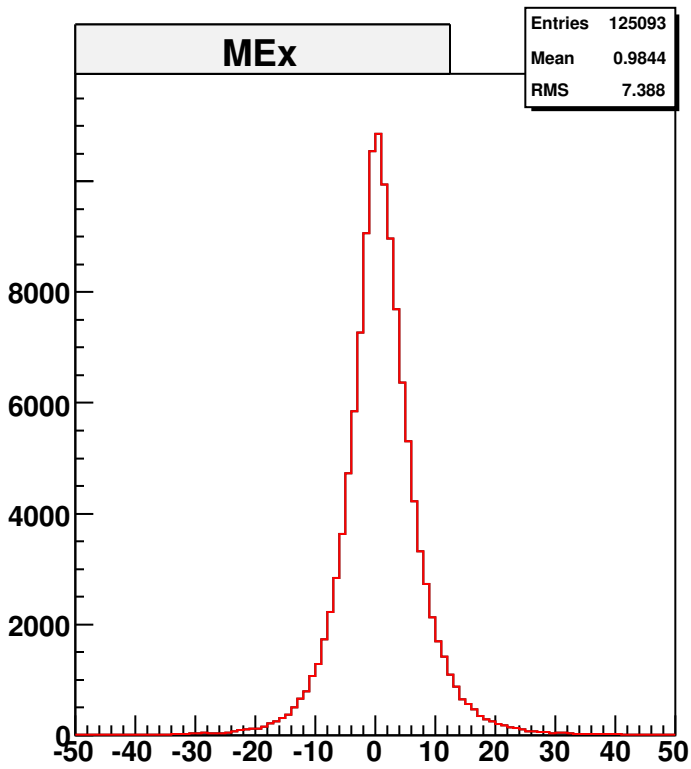
Entries 125093
Mean 7.702
RMS 7.085
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100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8000
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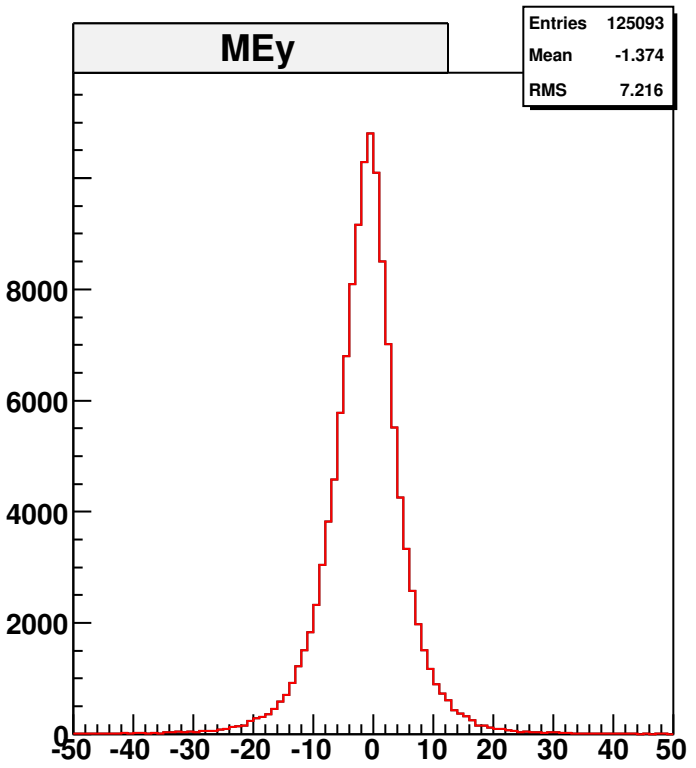
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50


MEy
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Mean -1.374
RMS 7.216
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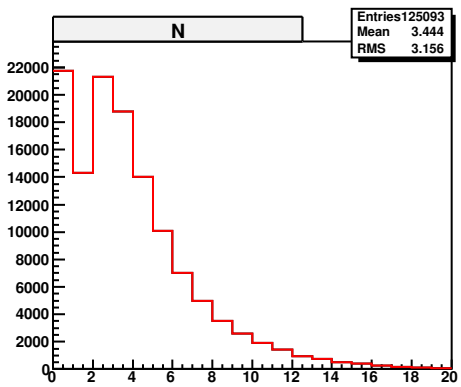
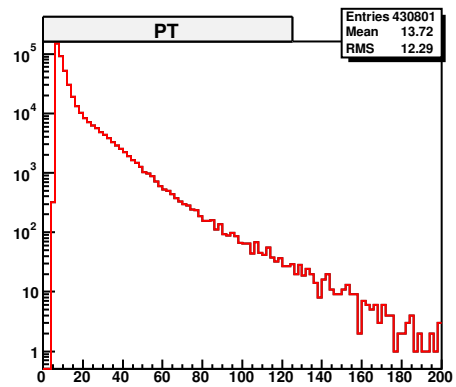
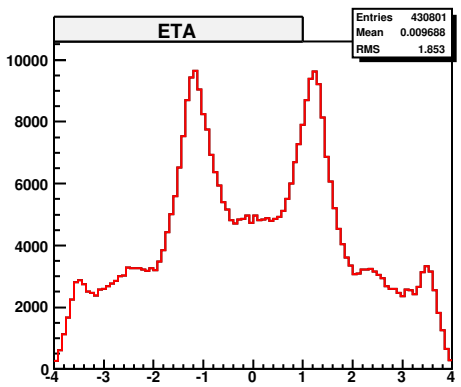
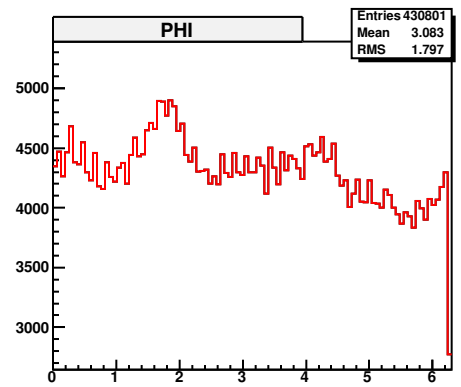
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

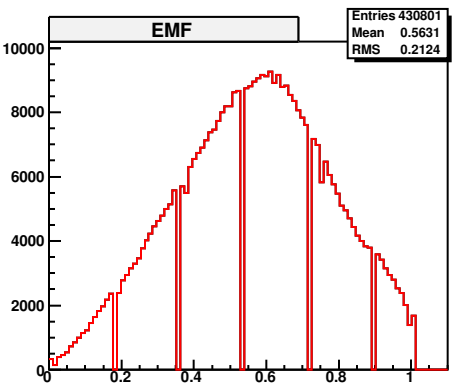
Met (No cuts)

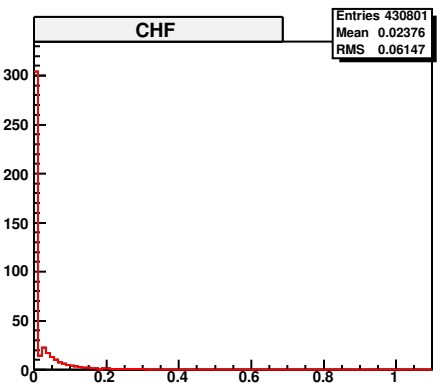


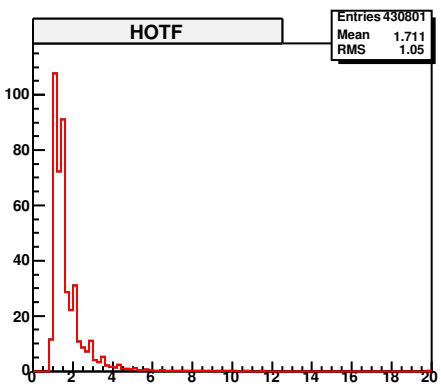


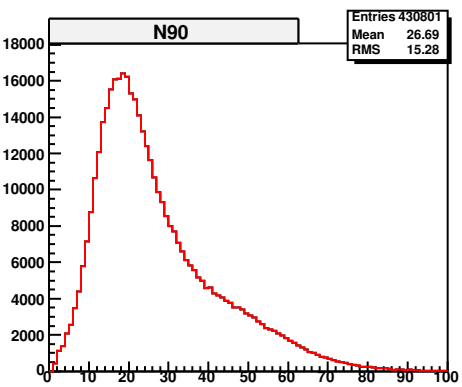


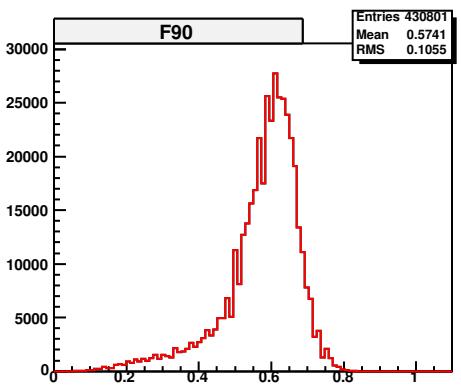


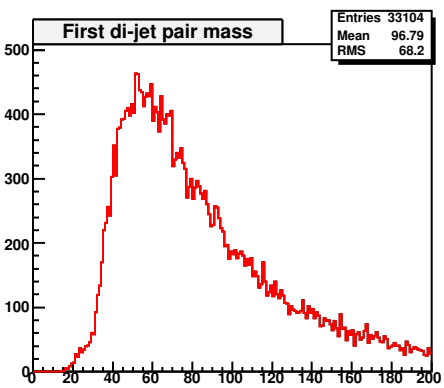


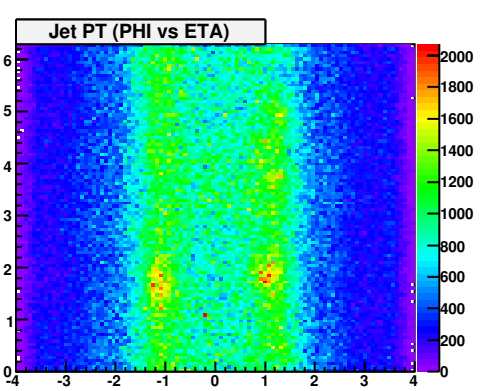




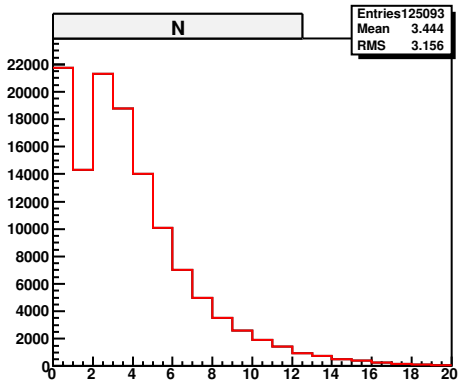


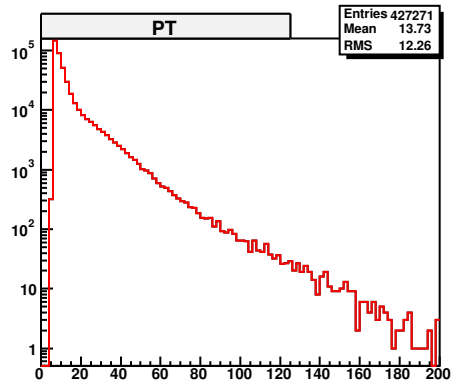


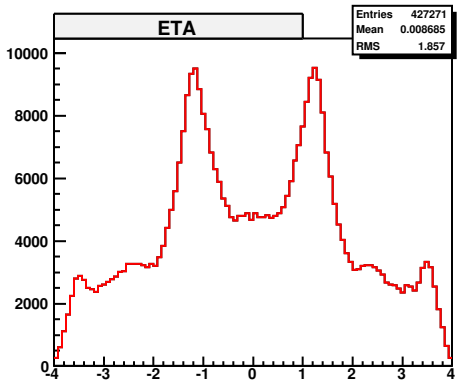


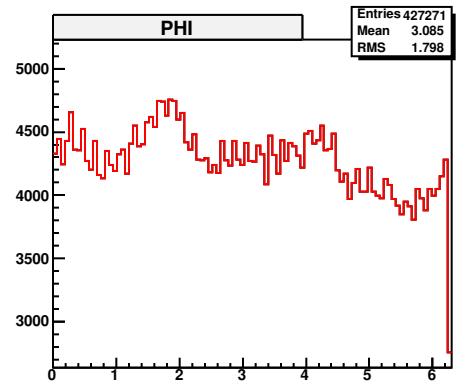


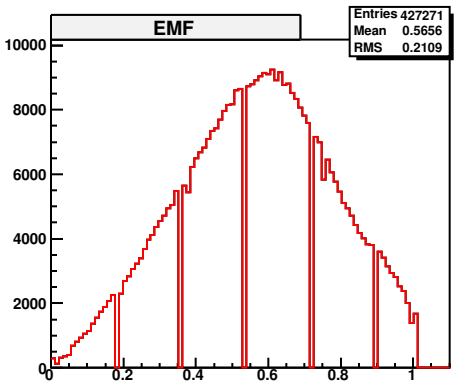
Jets (Cone R 0.7 (no cuts))

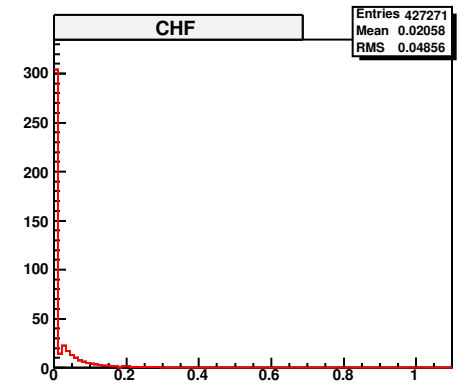


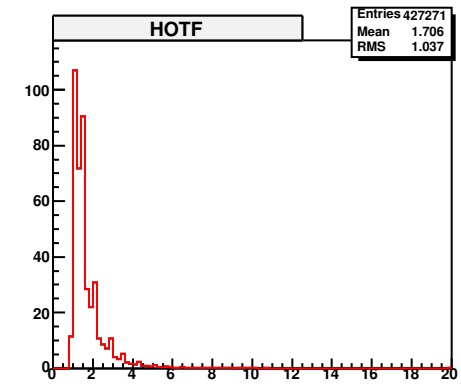


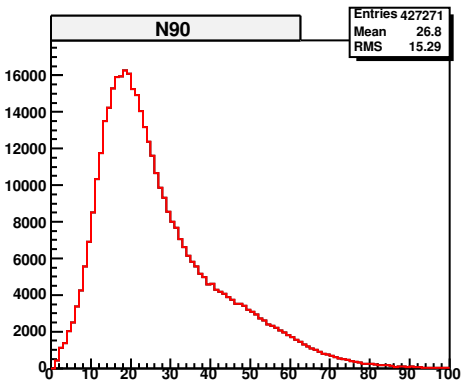


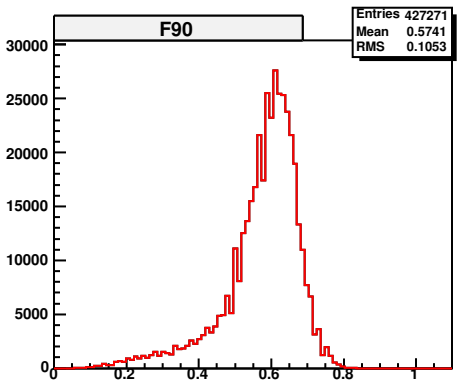


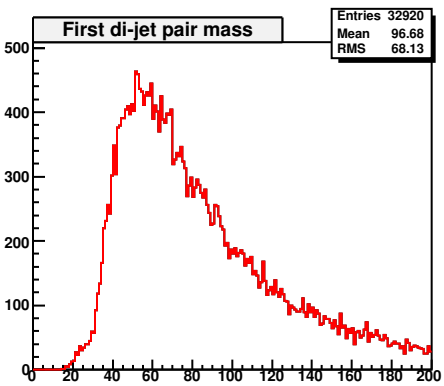


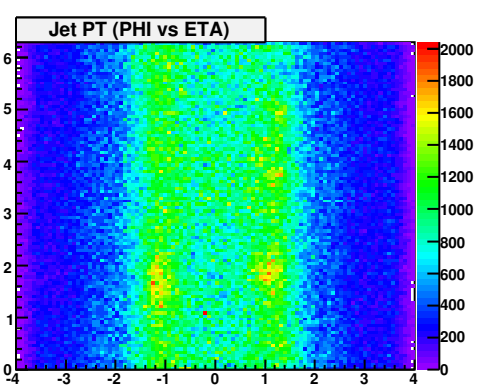




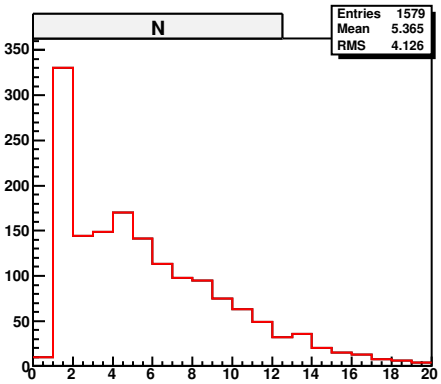


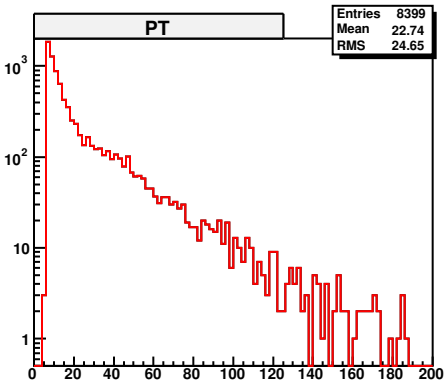


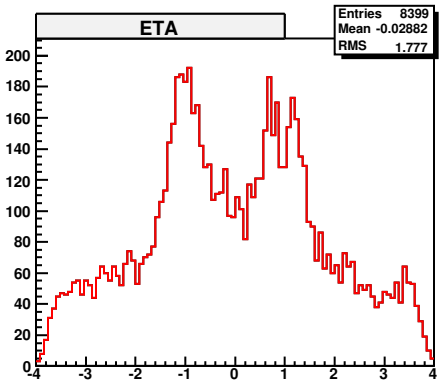


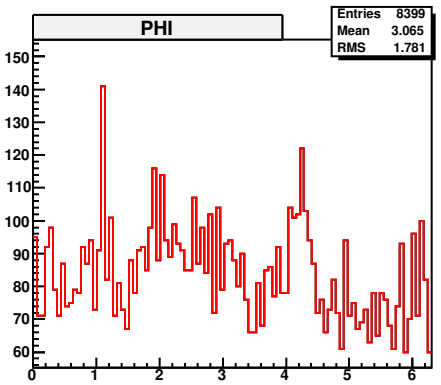


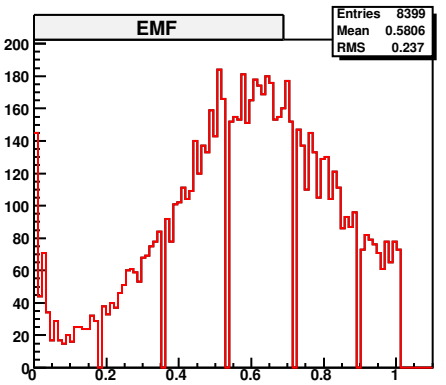
Jets (Cone R 0.7 (standard cuts))

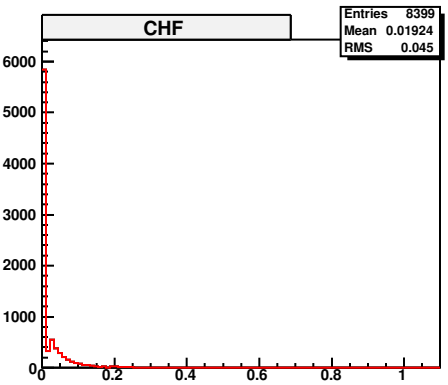


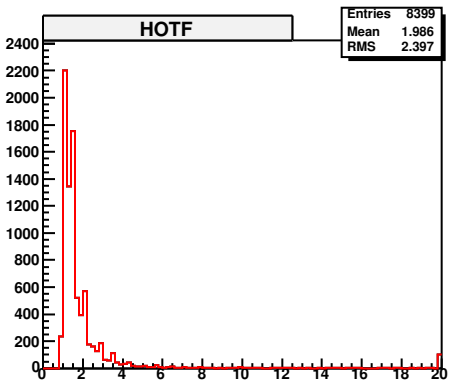


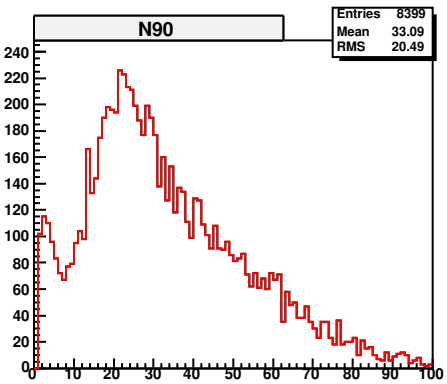


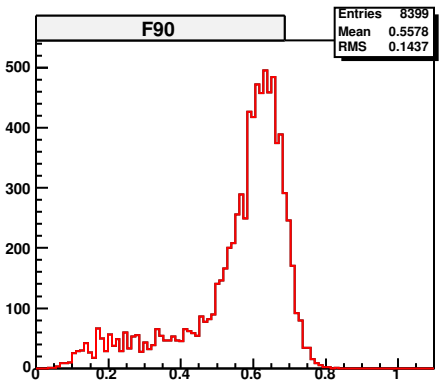


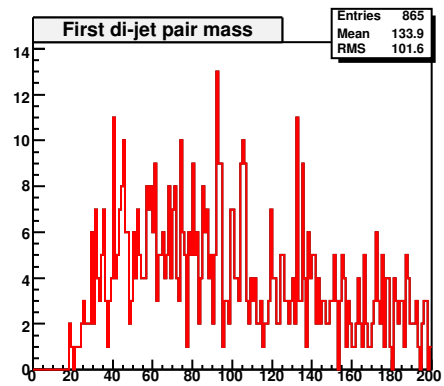


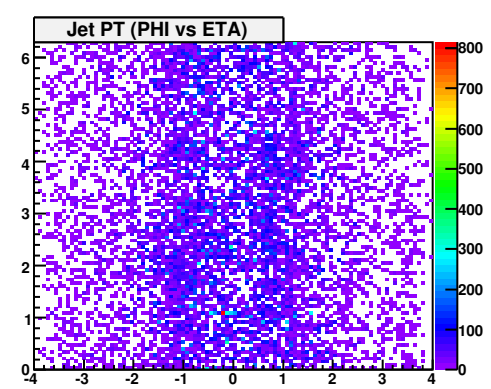




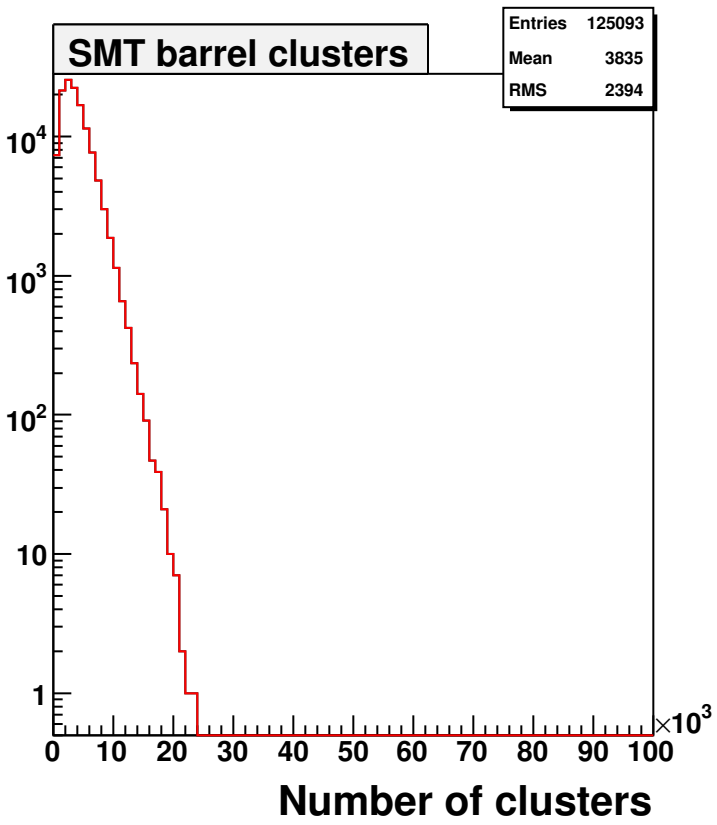


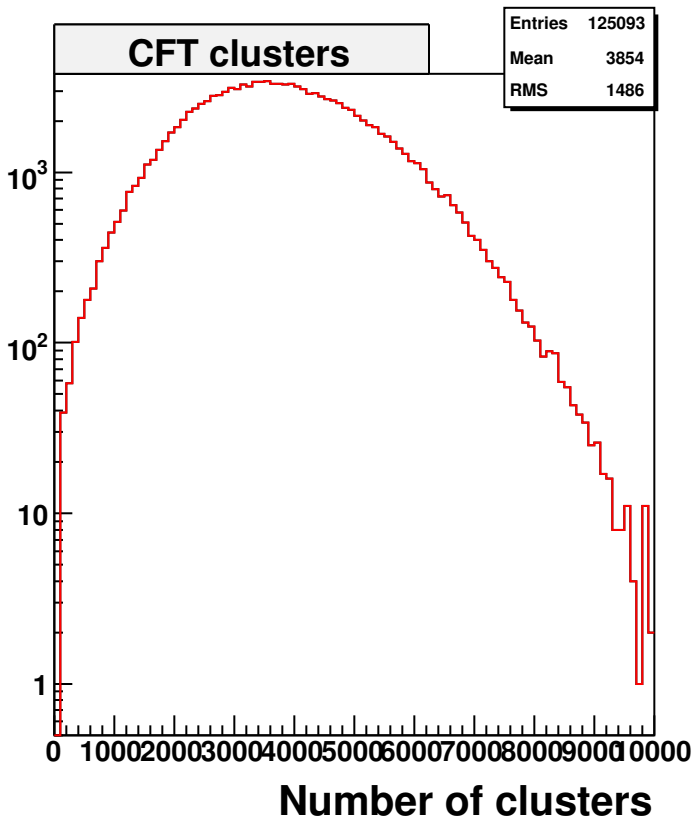


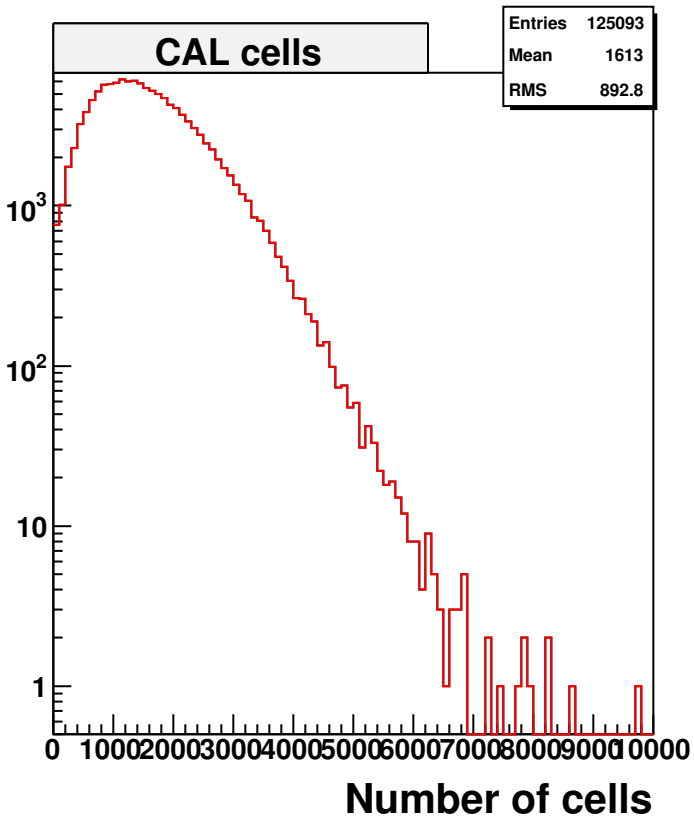


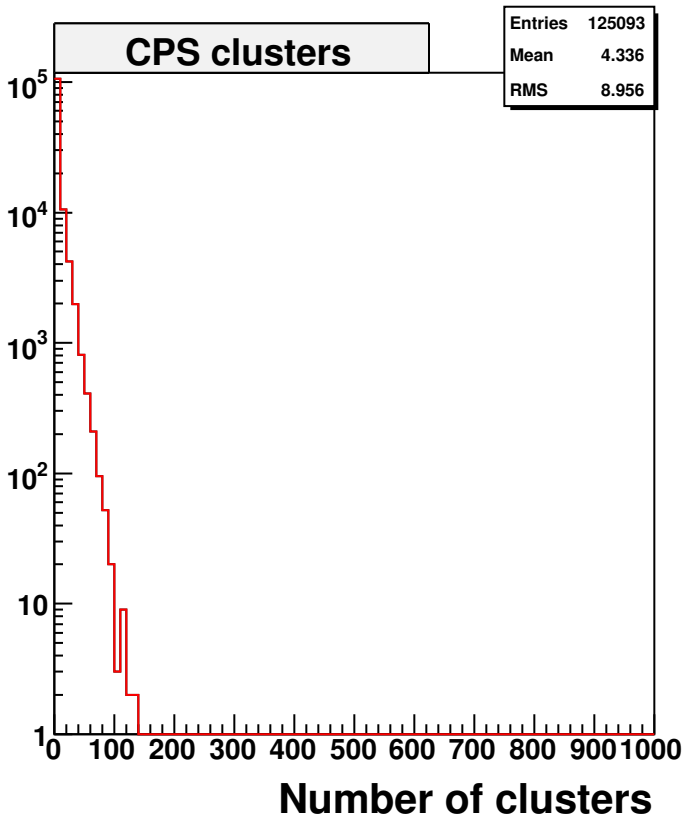


Jets (Cone R 0.7 (standard cuts, MET>30))

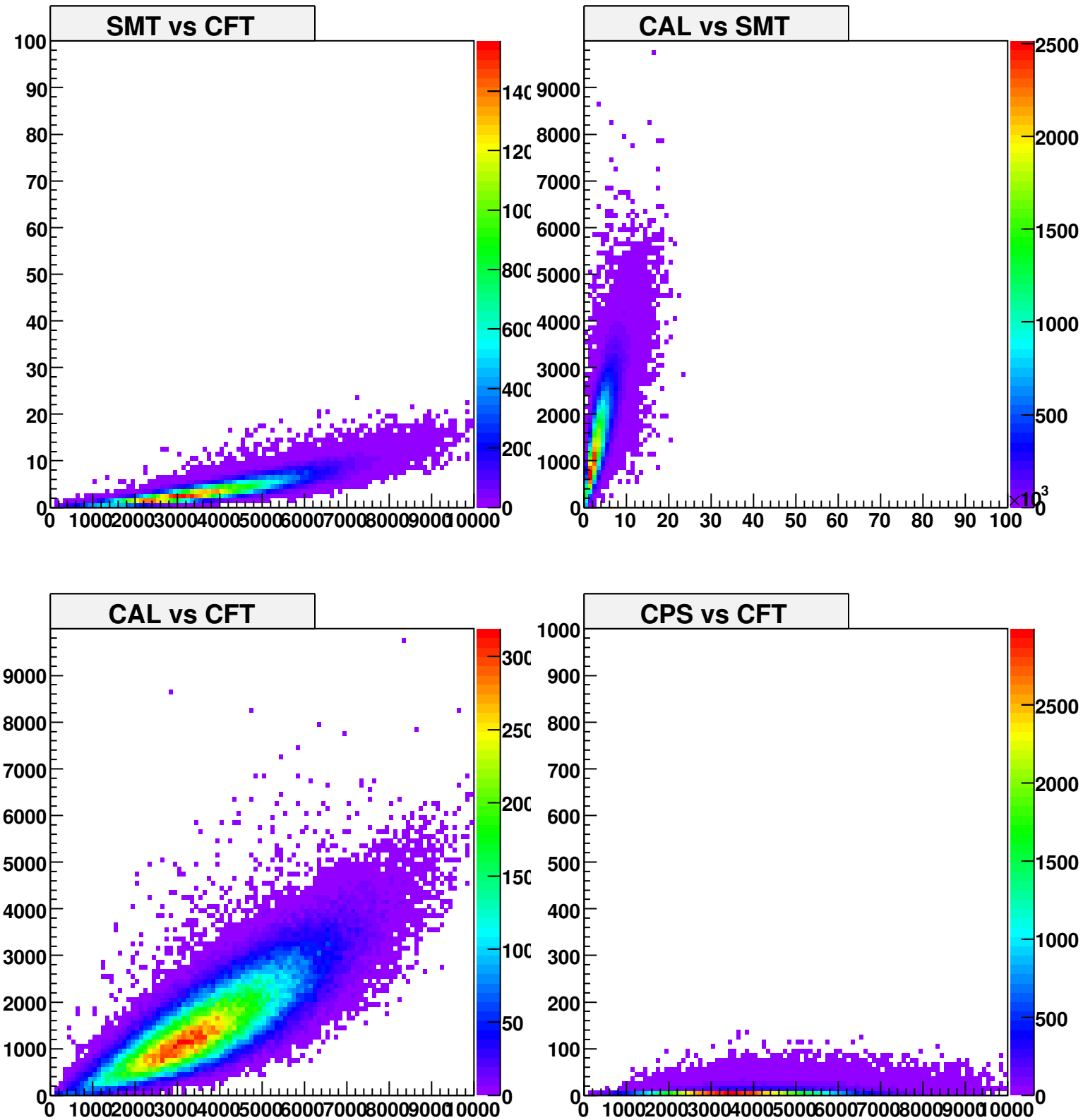




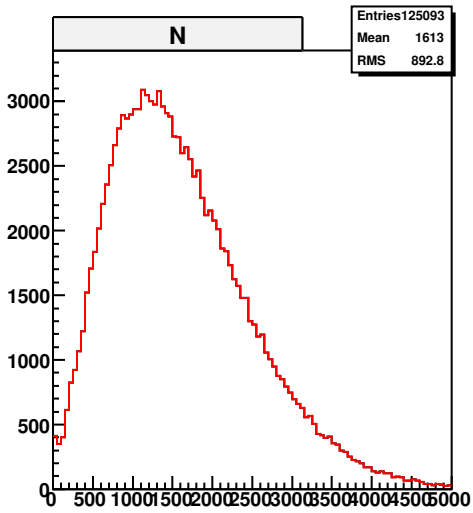


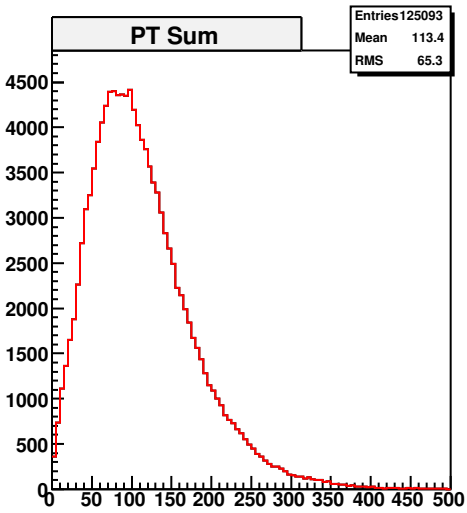


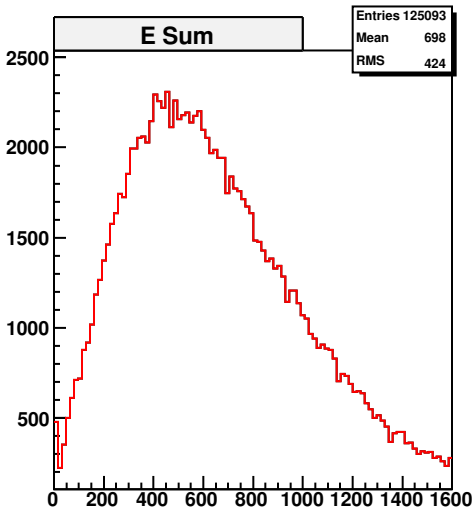
Detector Occupancy (Detector)

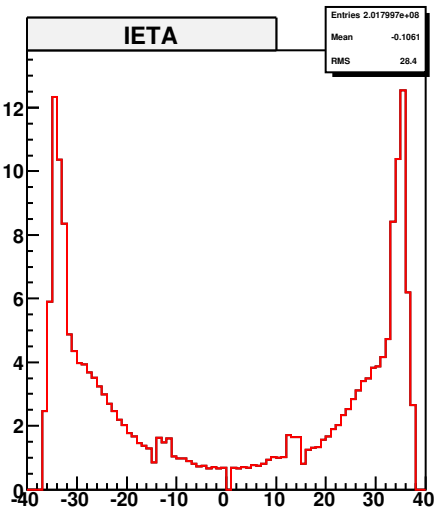


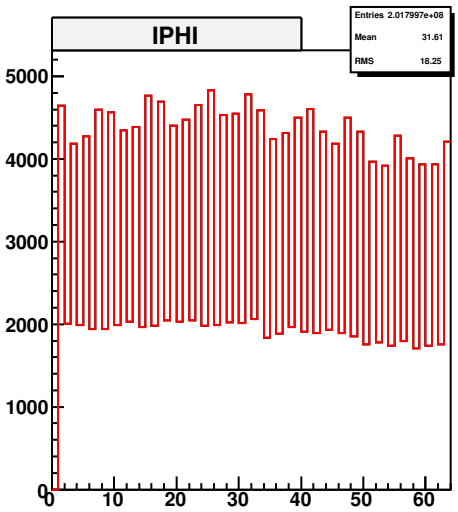
Detector Occupancy (Detector)

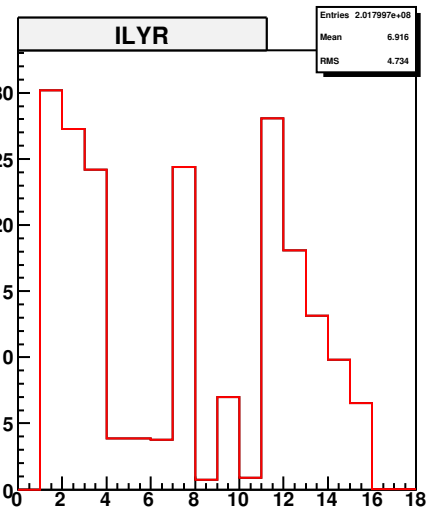


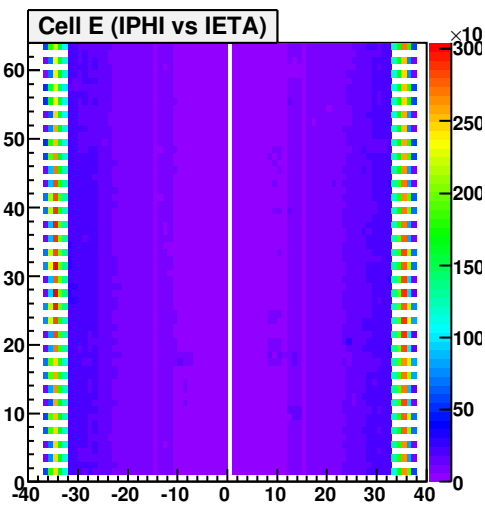


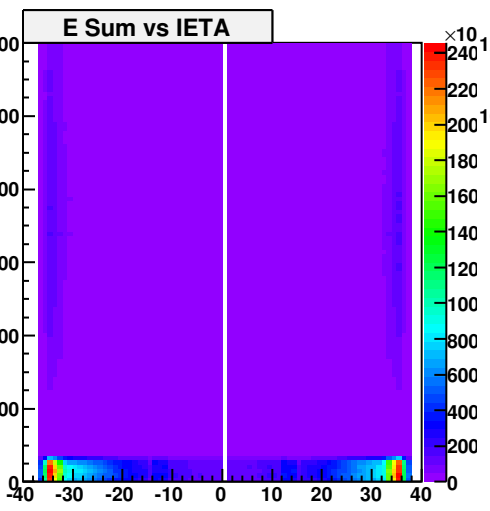


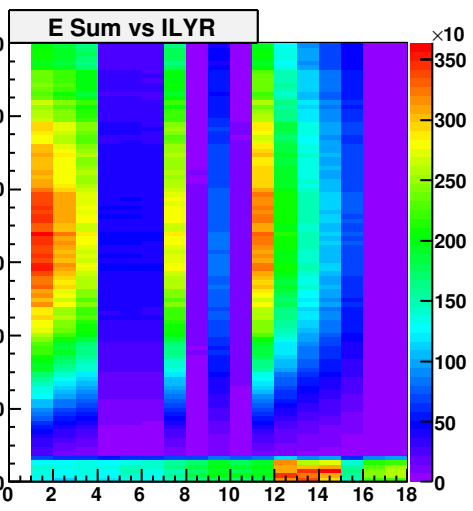




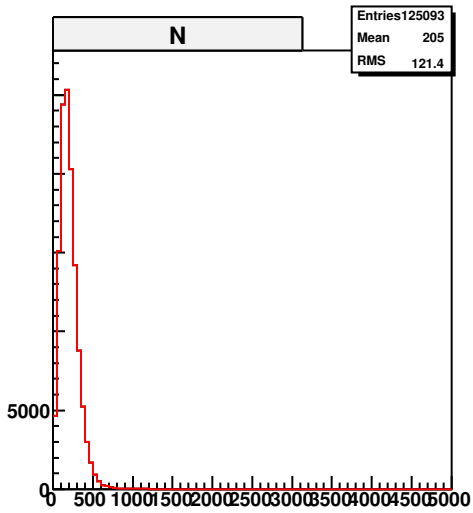


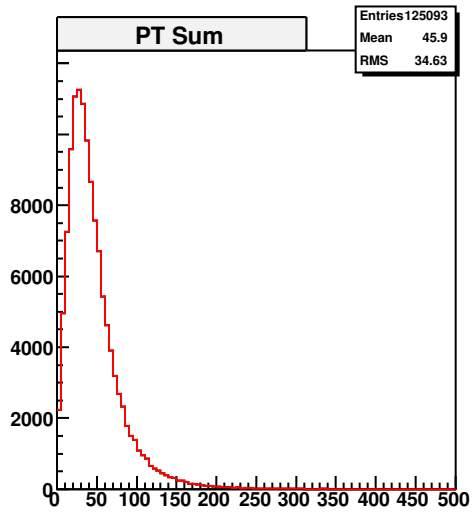


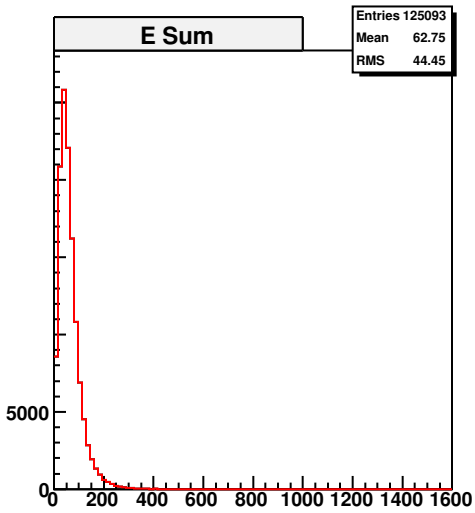


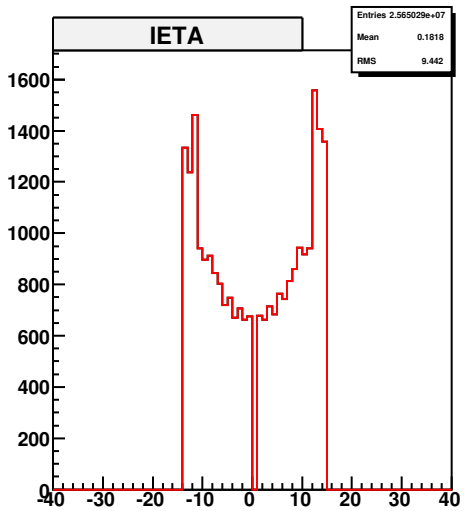


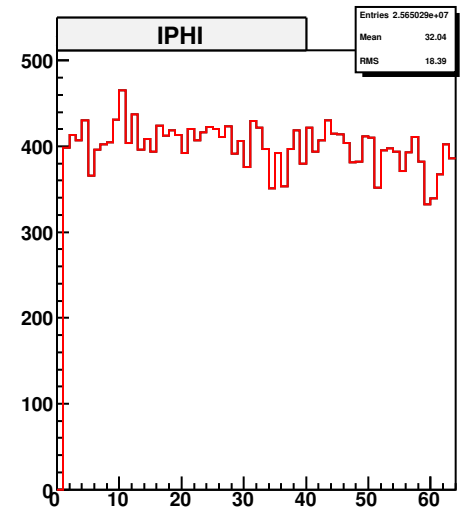
Calorimeter (All cells)

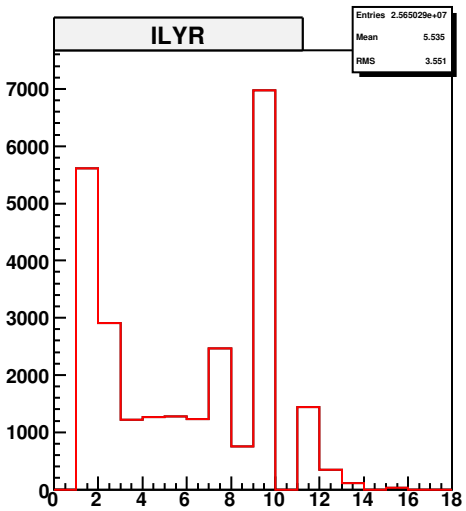


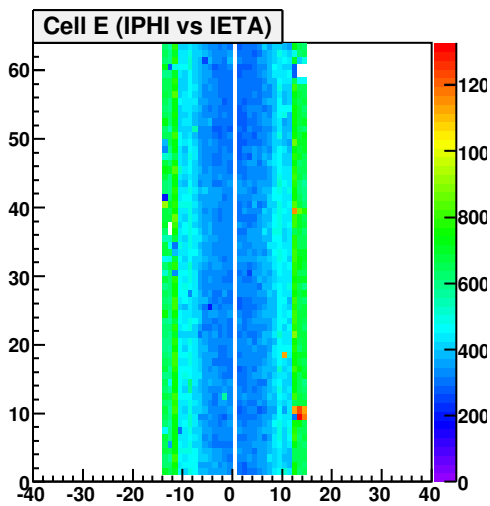


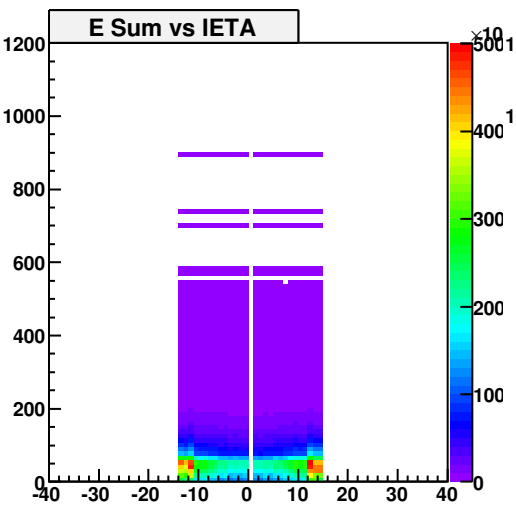


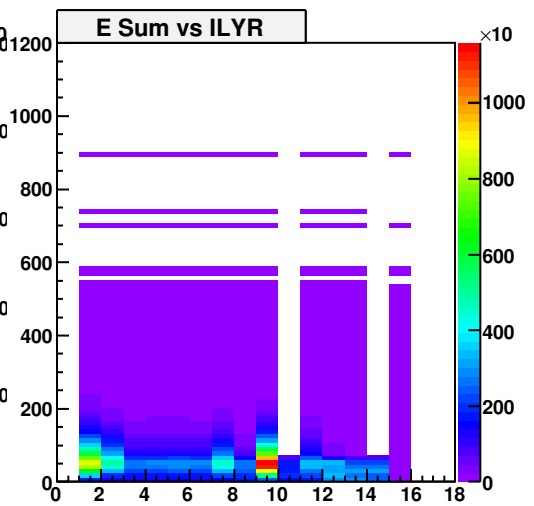




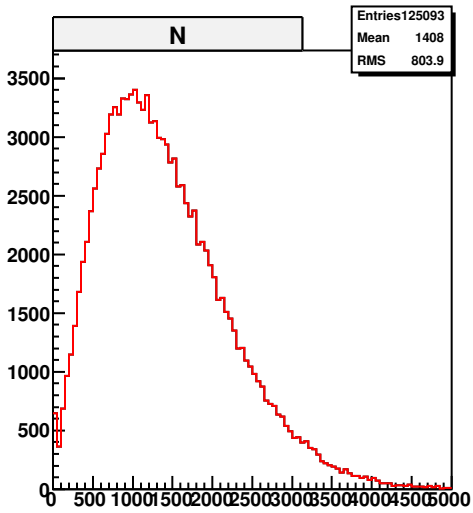


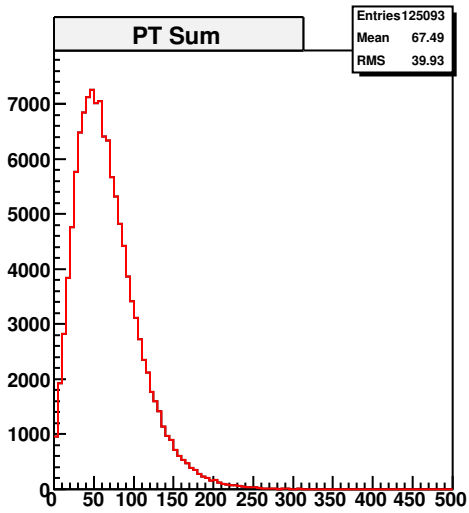


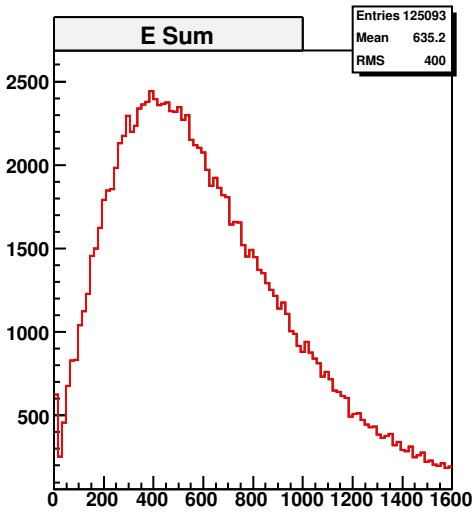


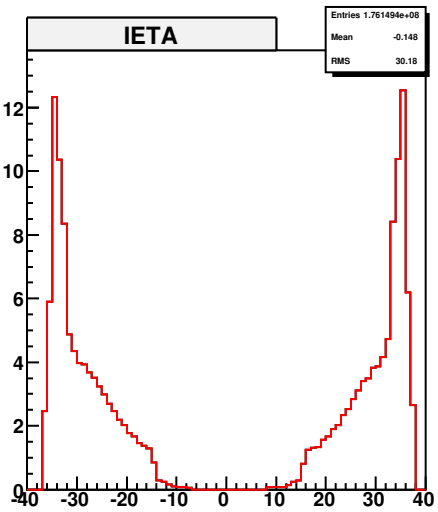


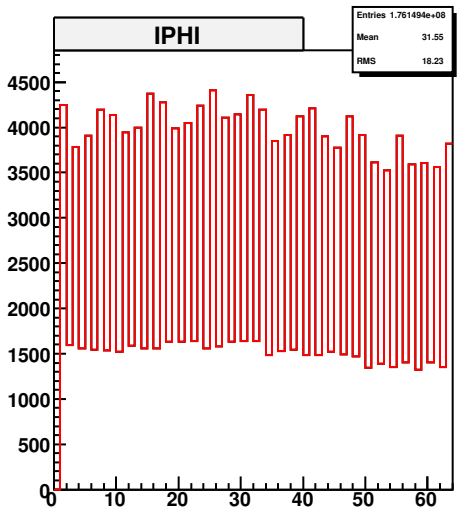
Calorimeter (All CC cells)

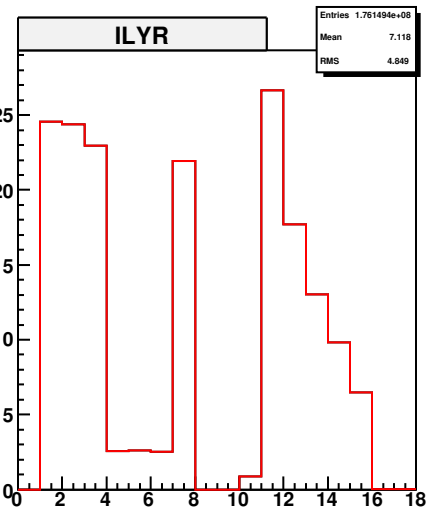


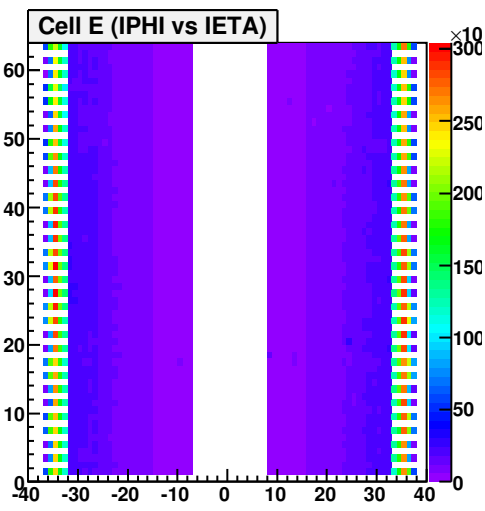


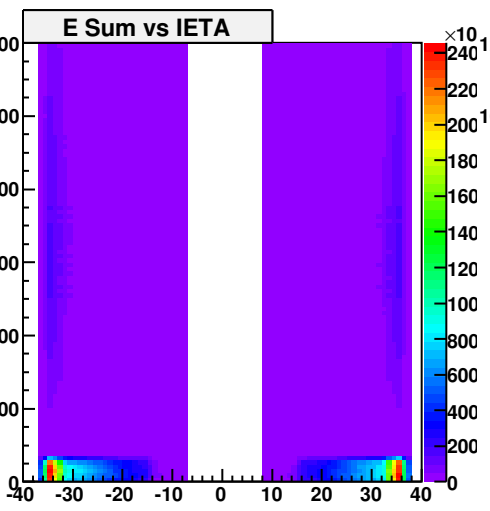


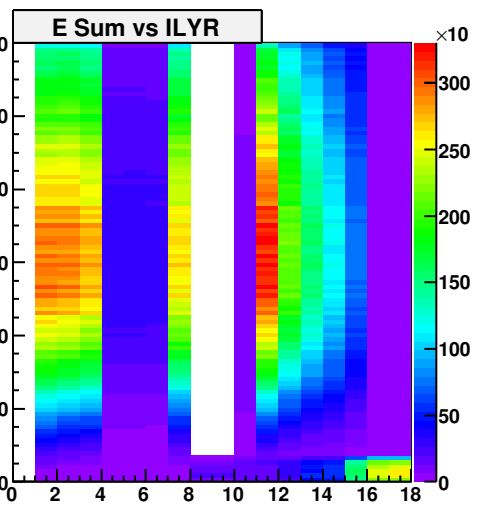




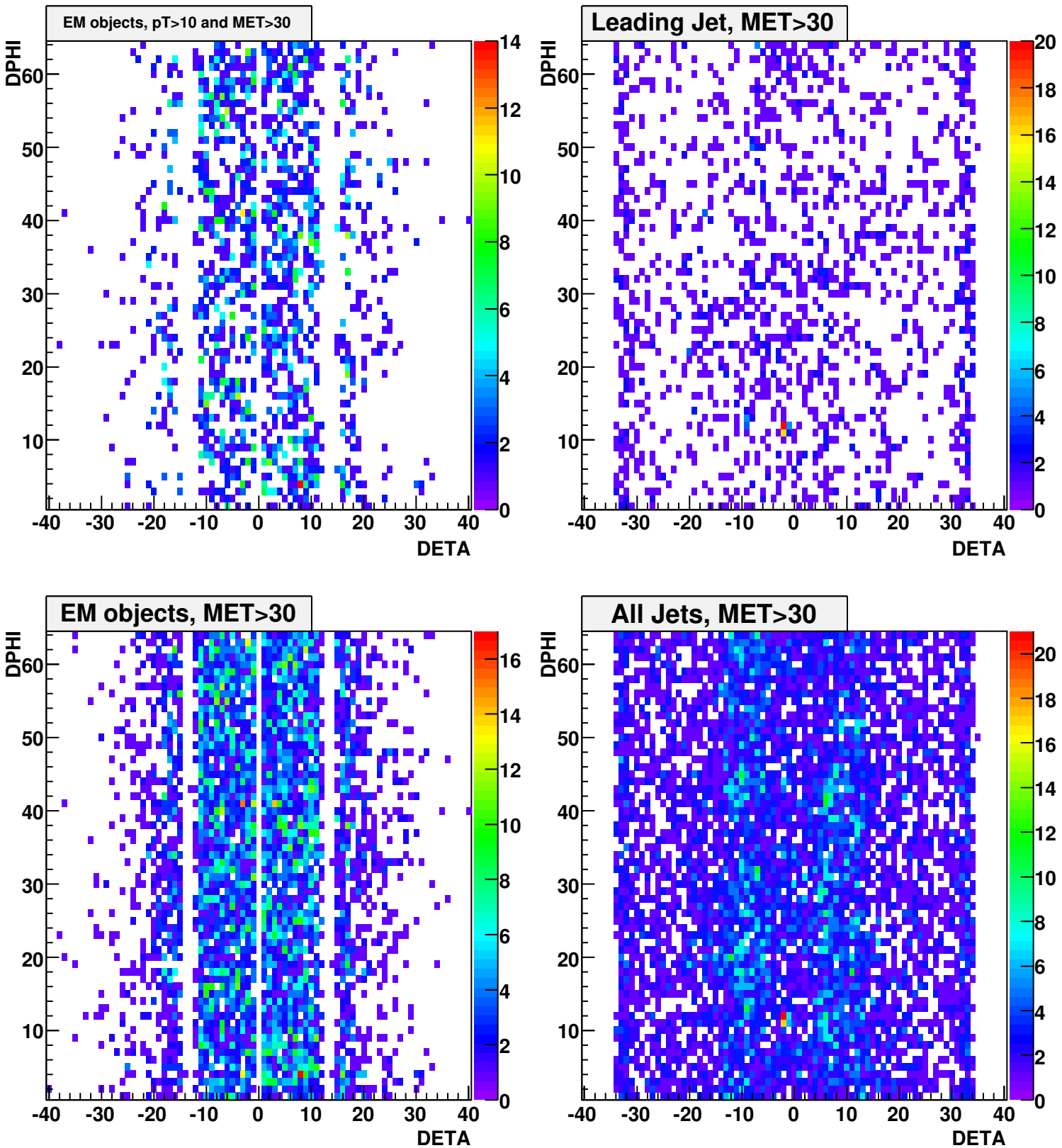




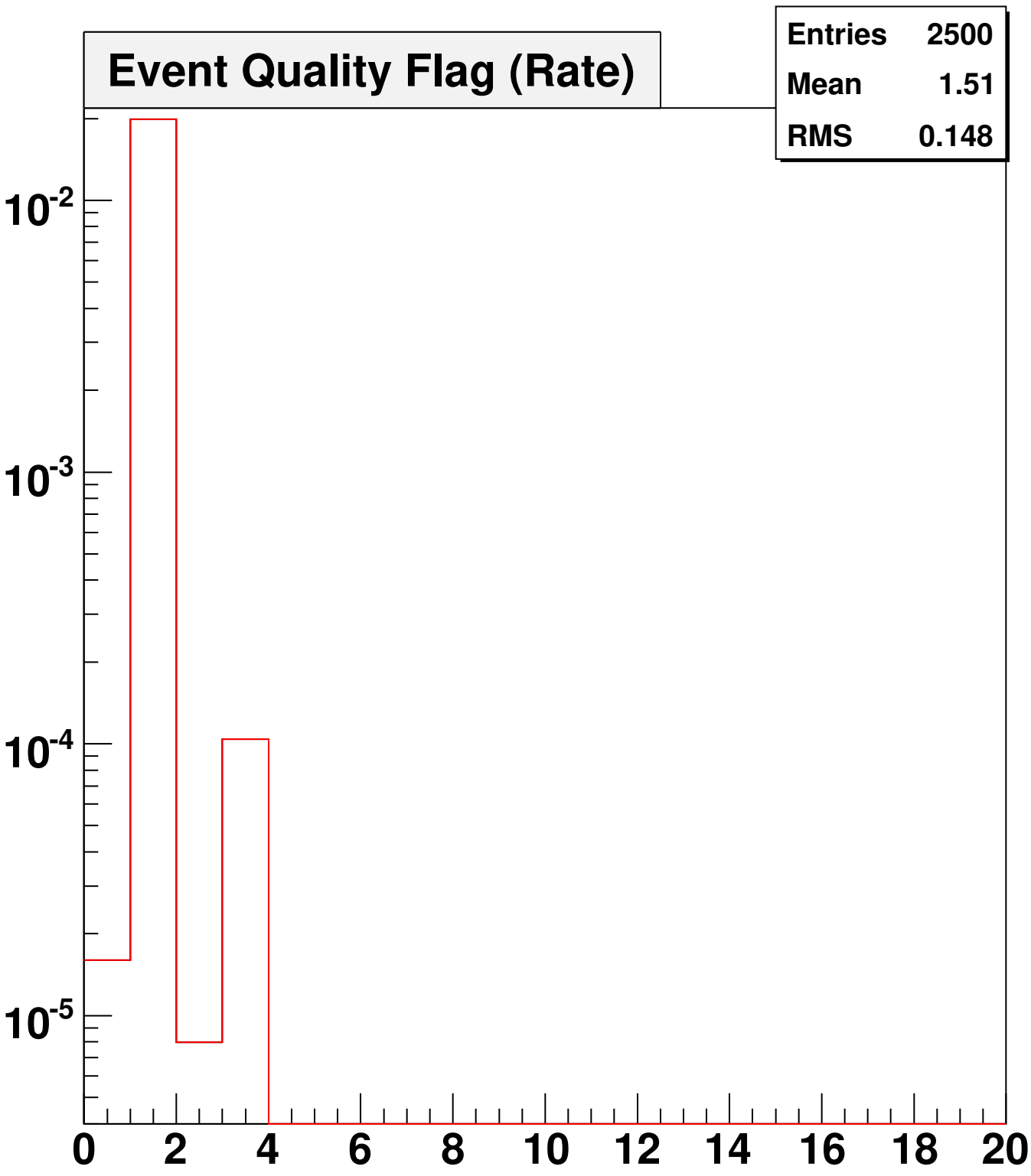


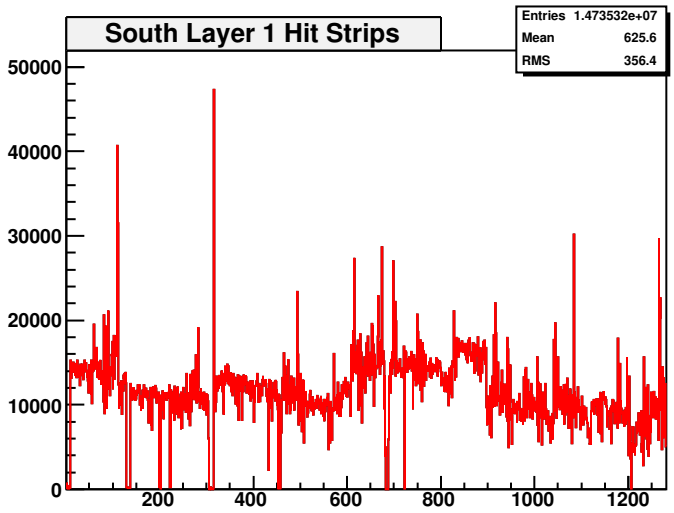


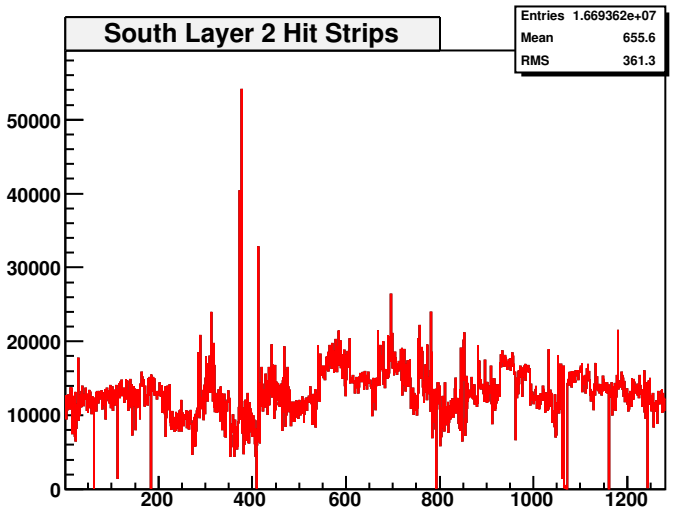
Calorimeter (All EC cells)

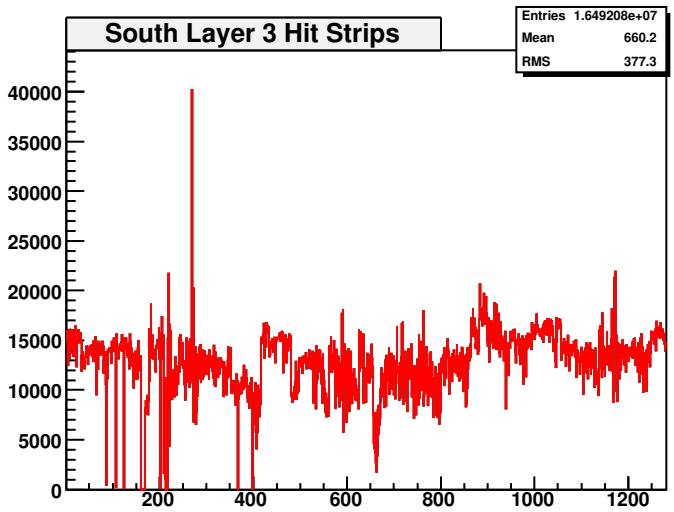


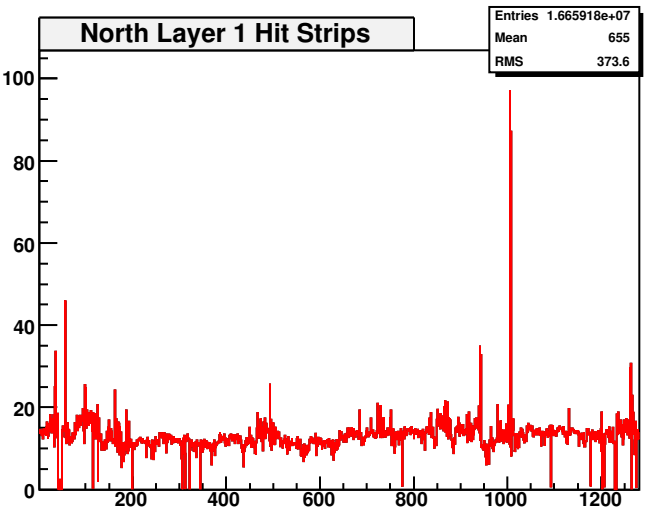
Cal Objects with MET>30 (All cells)

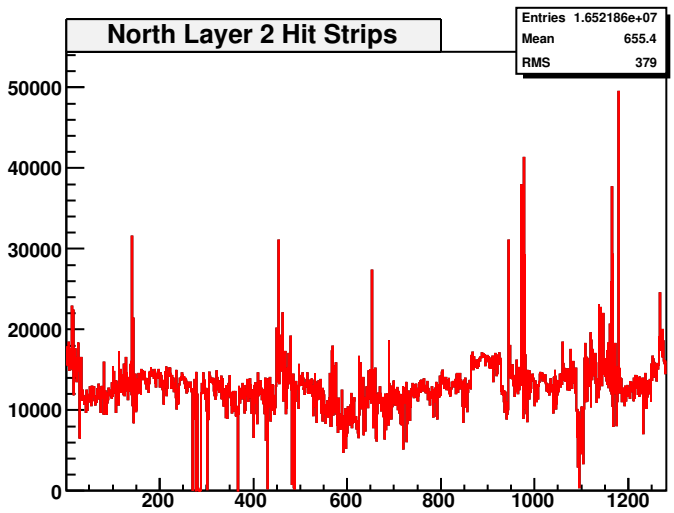

Event Quality Flag (Rate)
Entries 2500
Mean 1.51
RMS 0.148
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

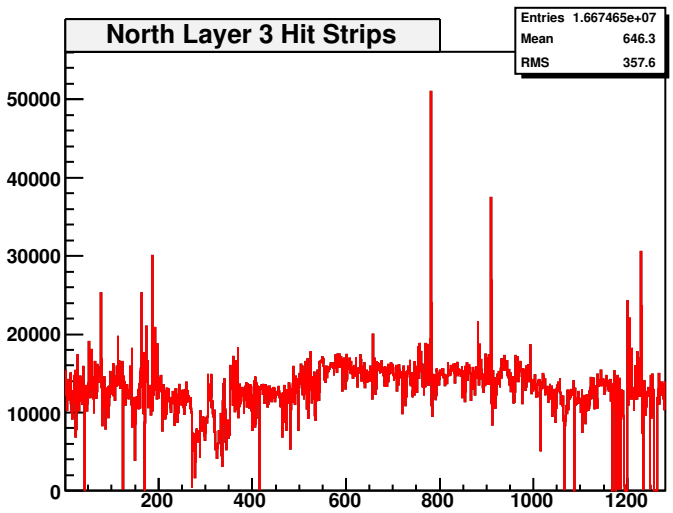




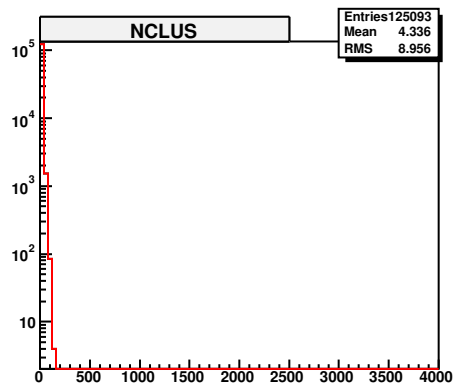


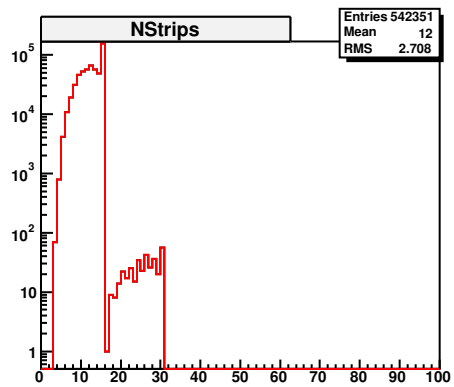


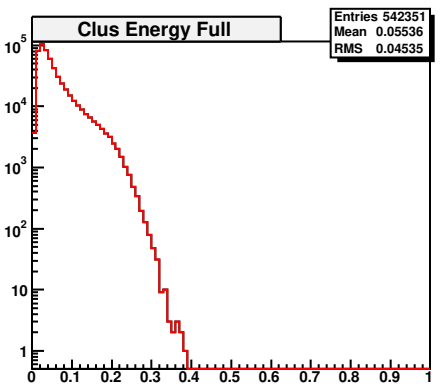


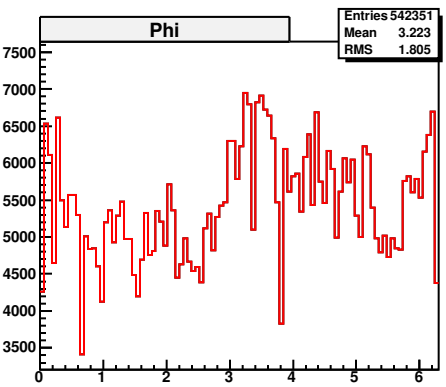


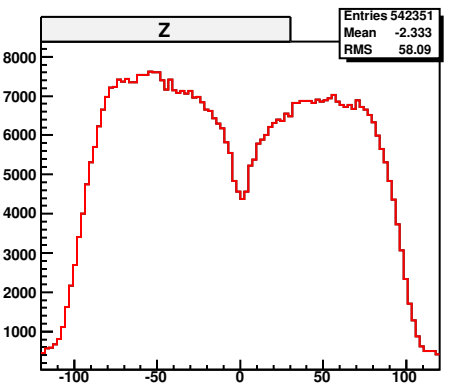
CPS Hit Strips (All Clusters)

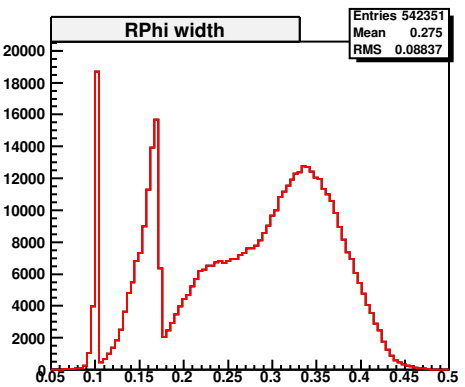


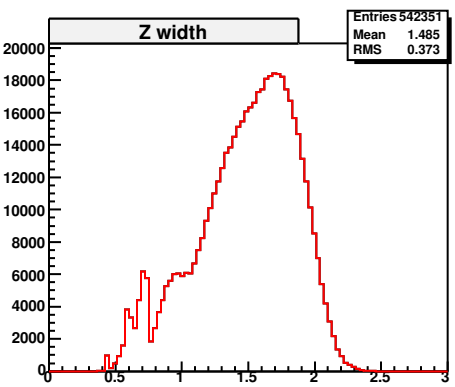


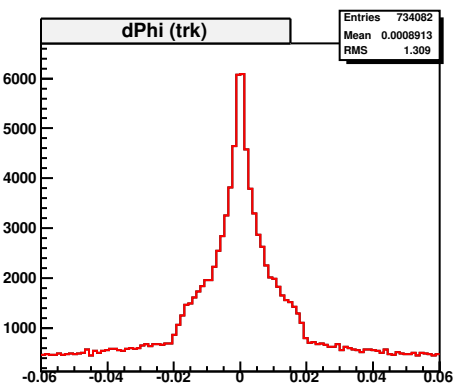


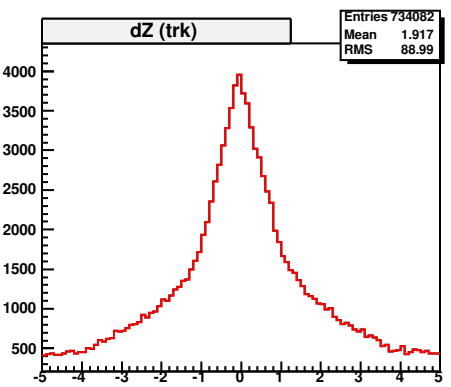


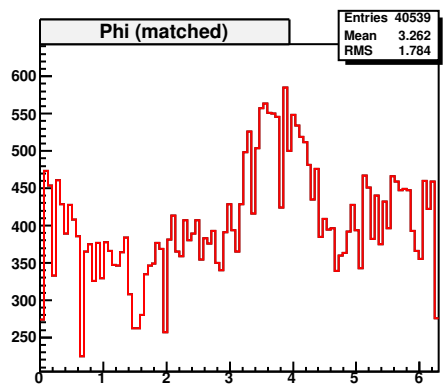


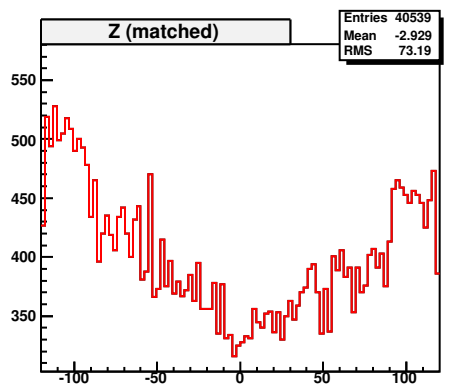




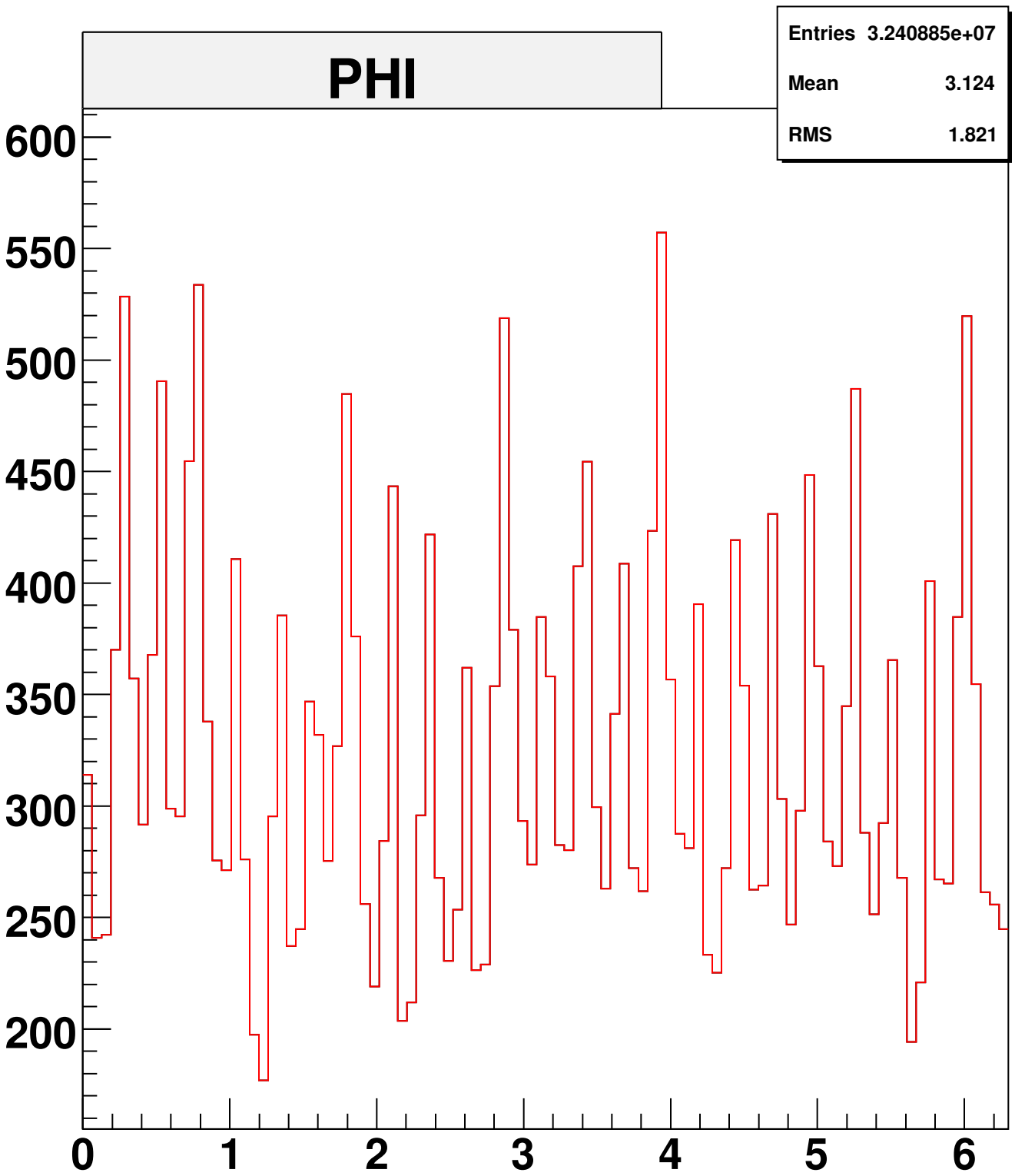


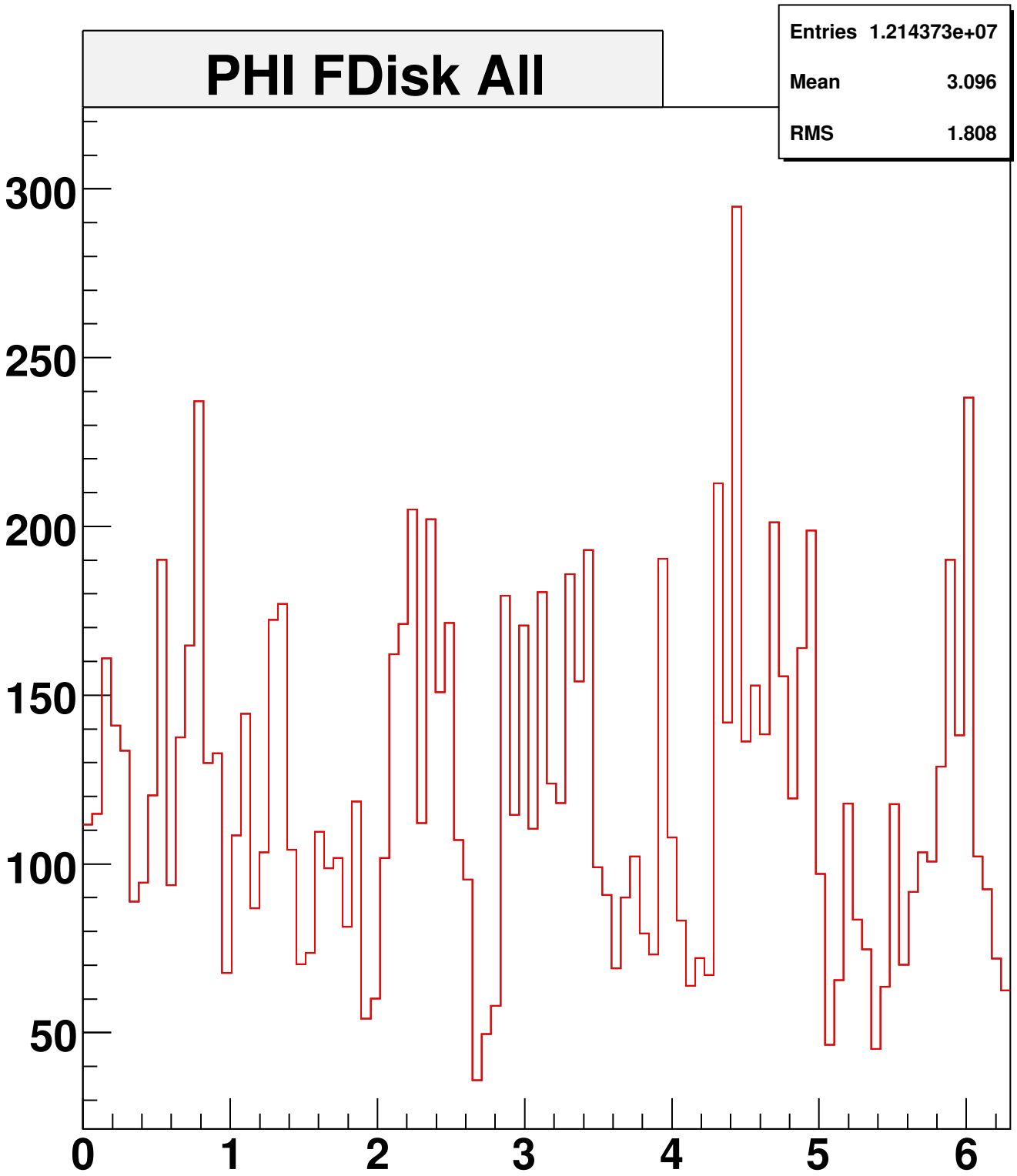


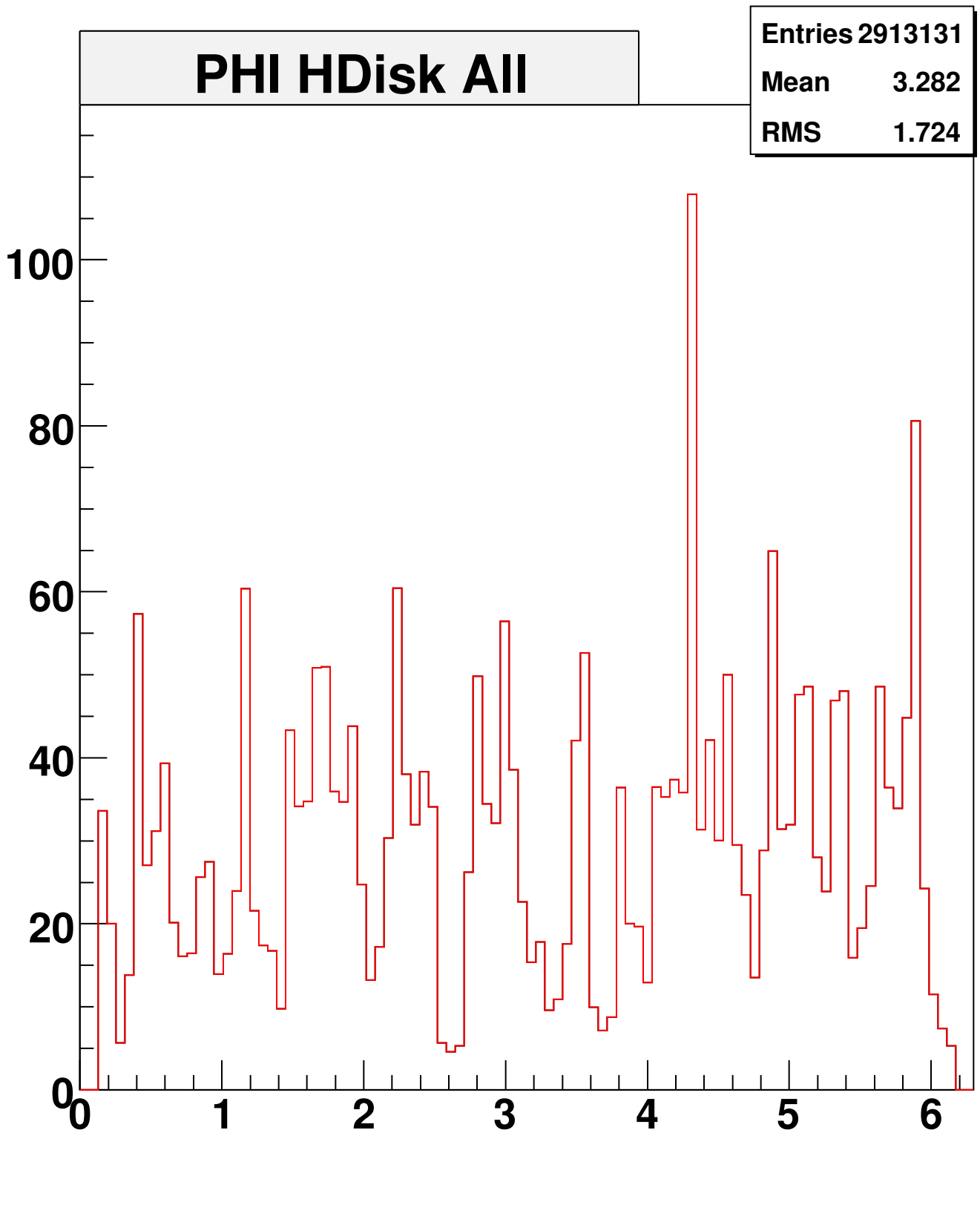


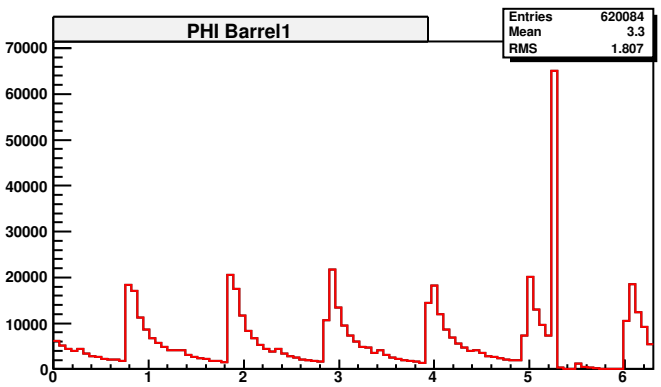


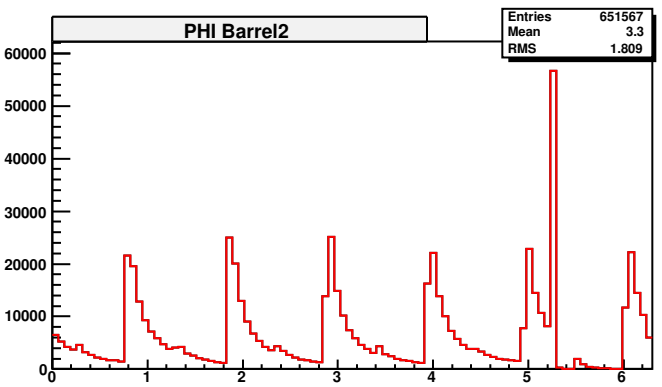
CPS Clusters (All Clusters)

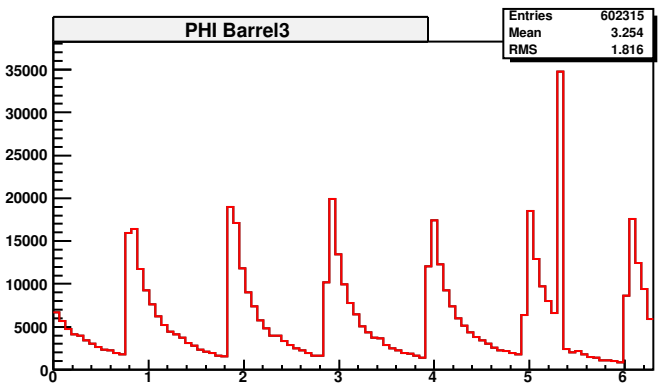

PHI
Entries 3.240885e+07
Mean 3.124
RMS 1.821
600
550
500
450
400
350
300
250
200
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

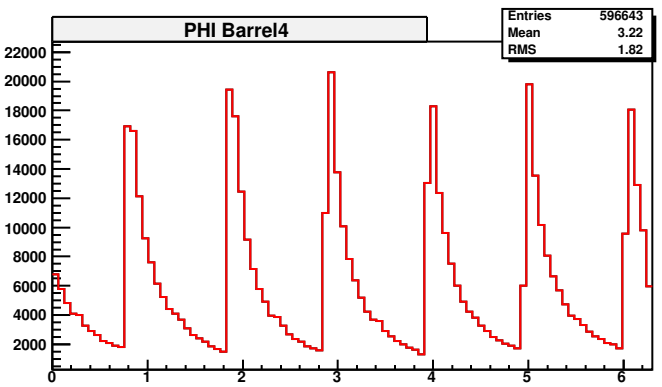

PHI FDisk All
Entries 1.214373e+07
Mean 3.096
RMS 1.808
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

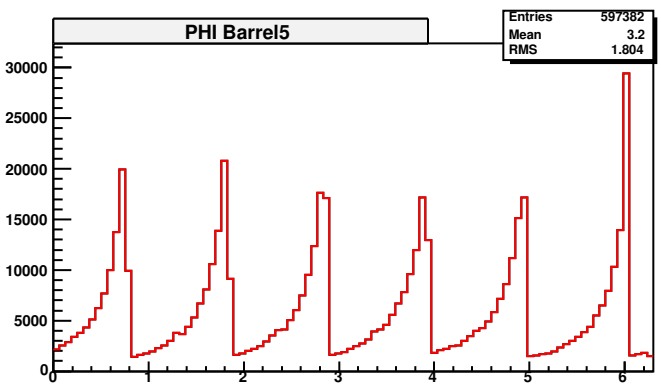

PHI HDisk All
Entries 2913131
Mean 3.282
RMS 1.724
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

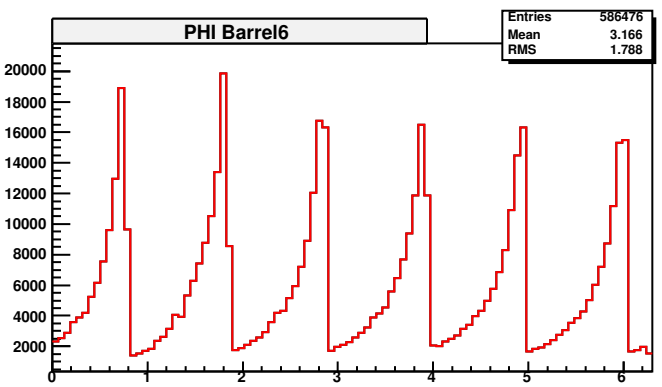


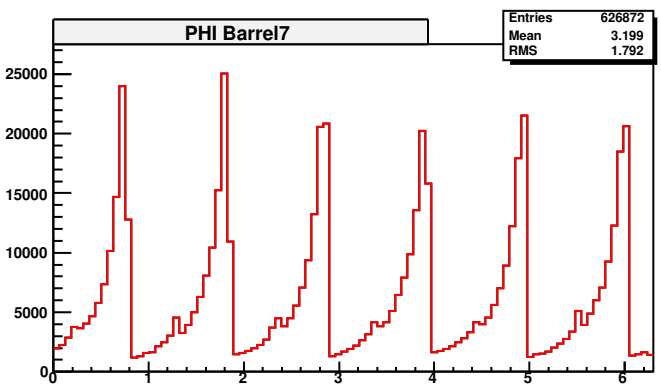


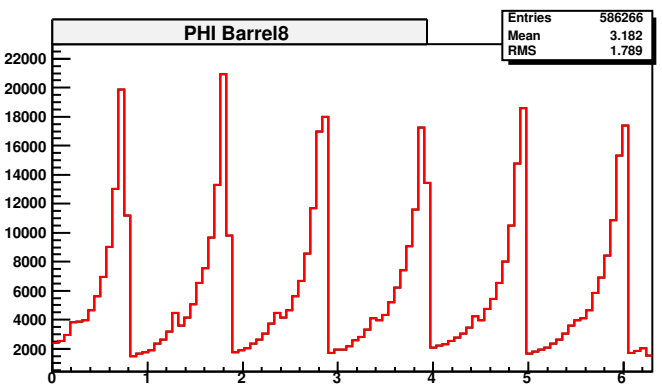




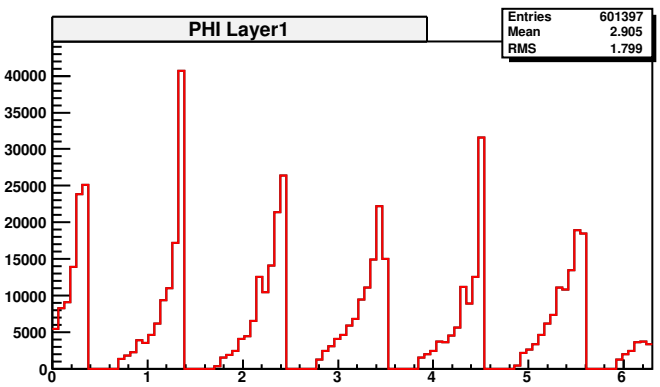


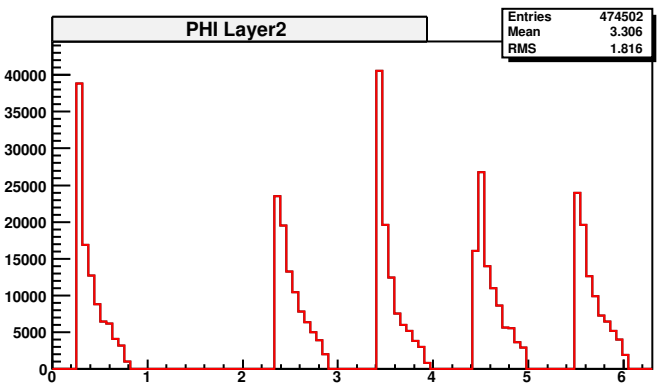


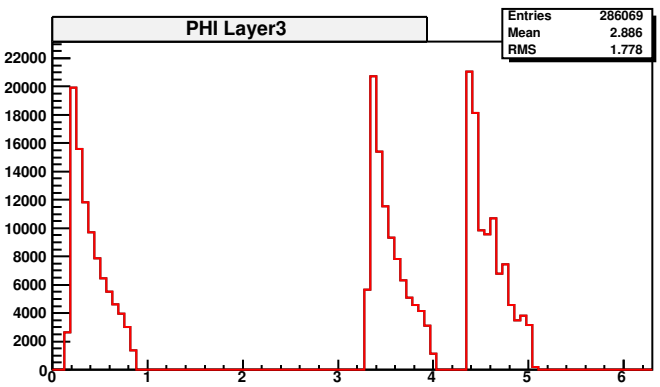


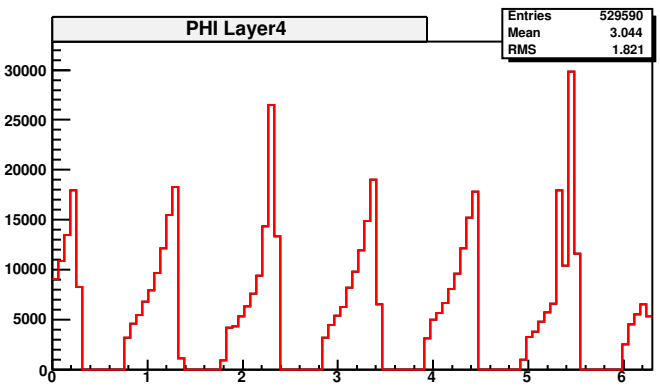


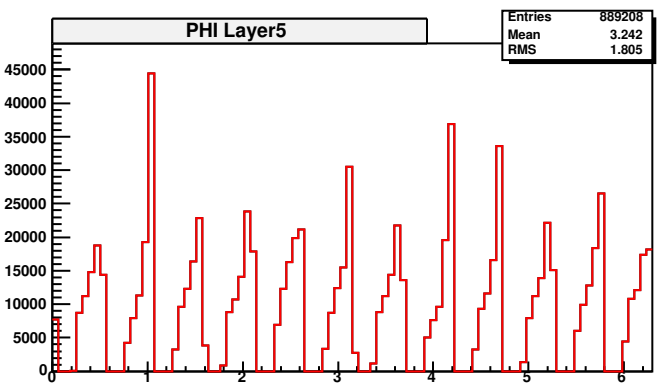
SmtClusters (ClustrLayer0)

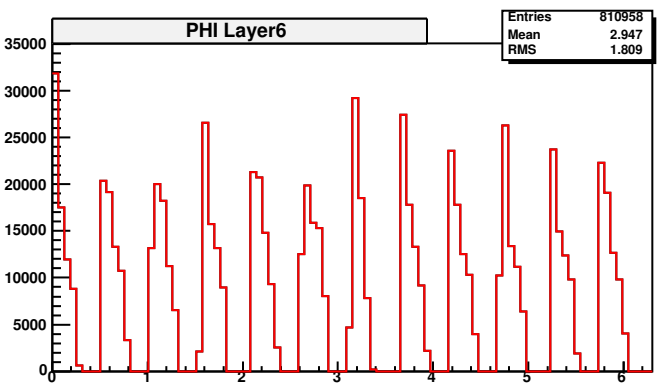


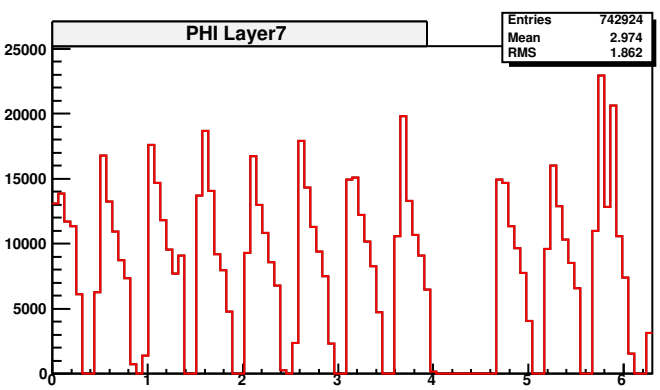


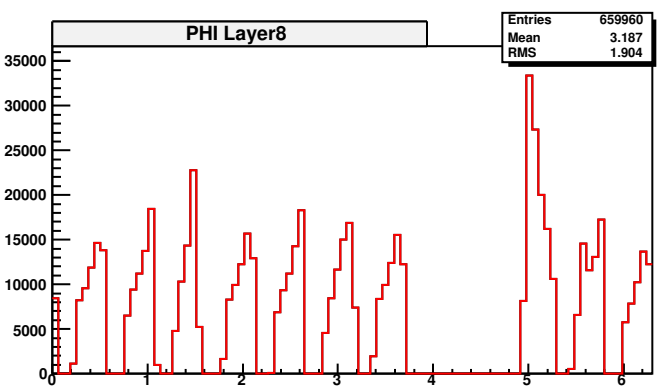




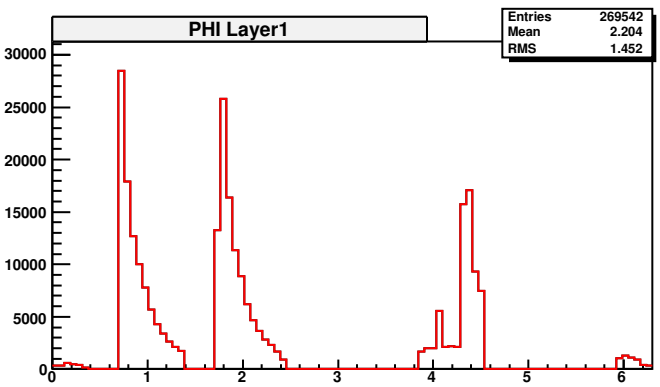


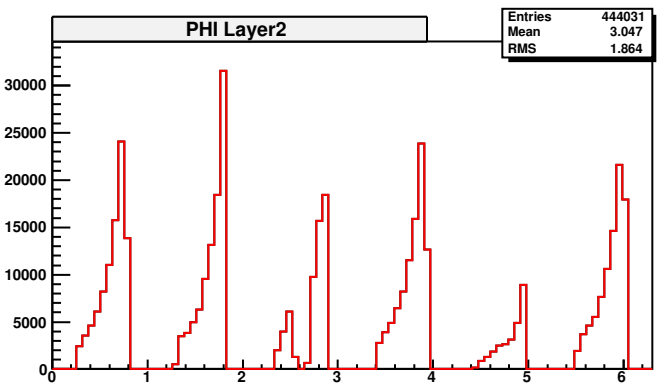


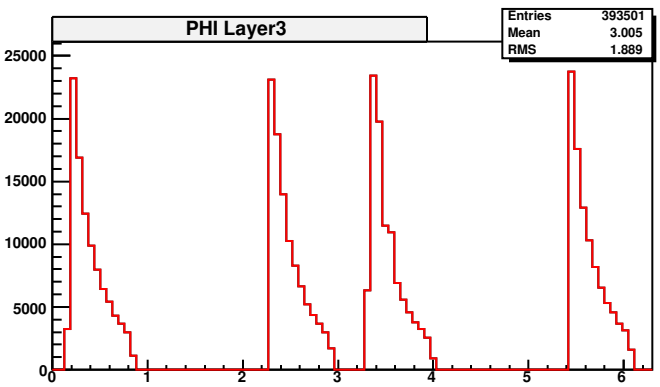


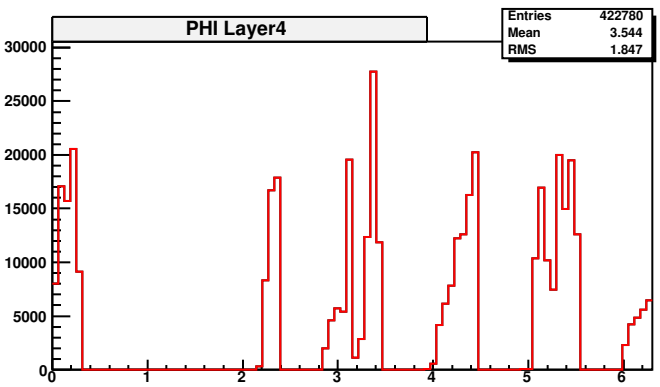


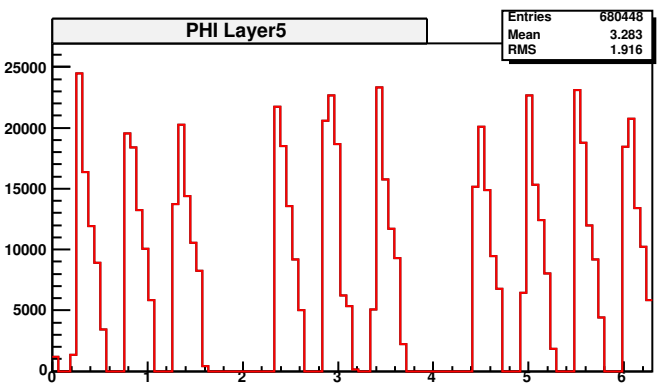
SmtClusters (ClustrBar1)

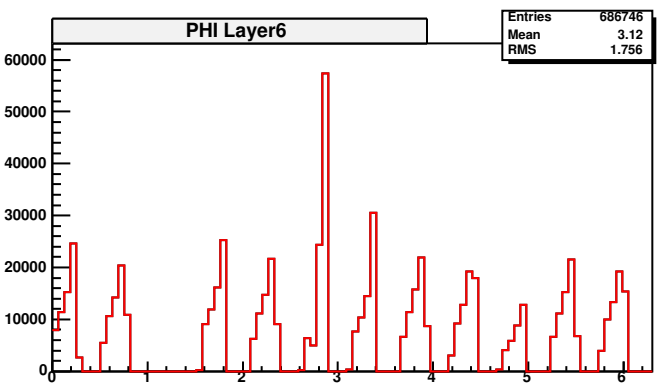


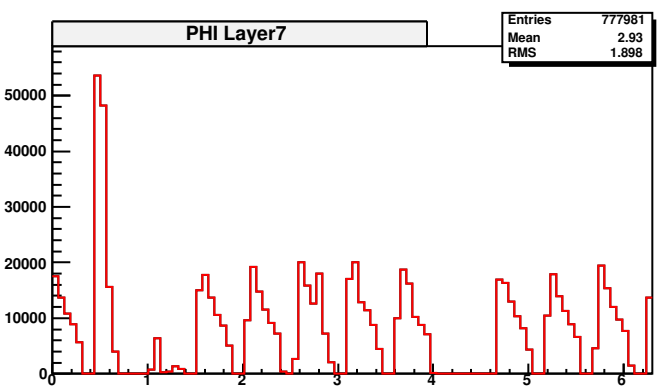


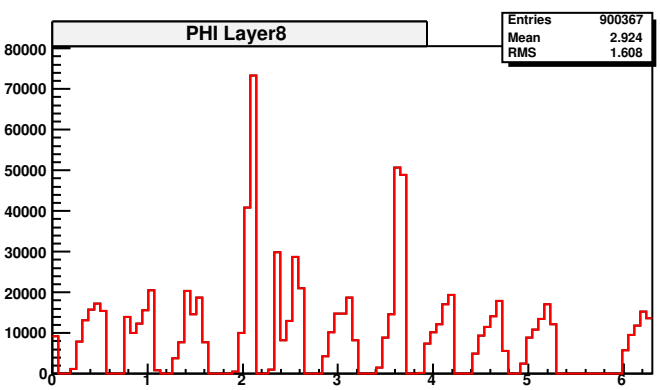




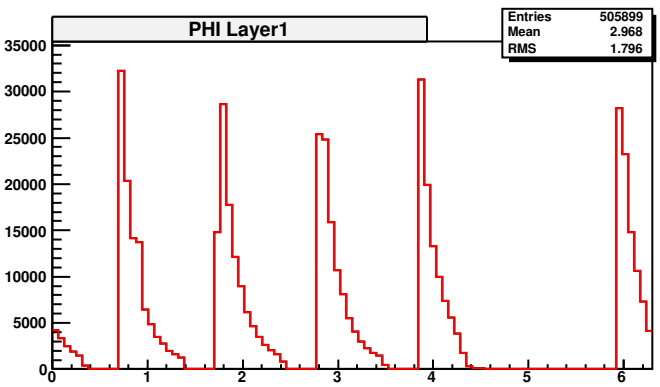


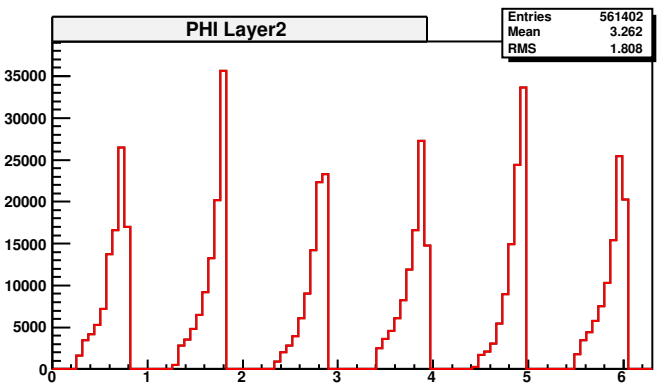


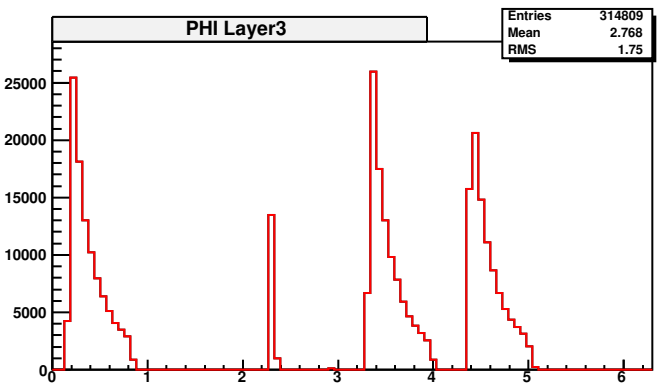


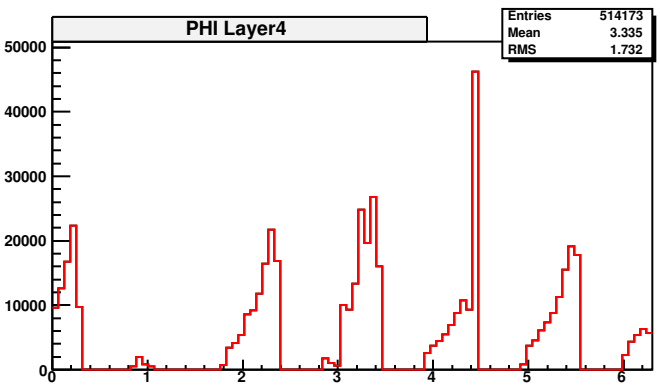


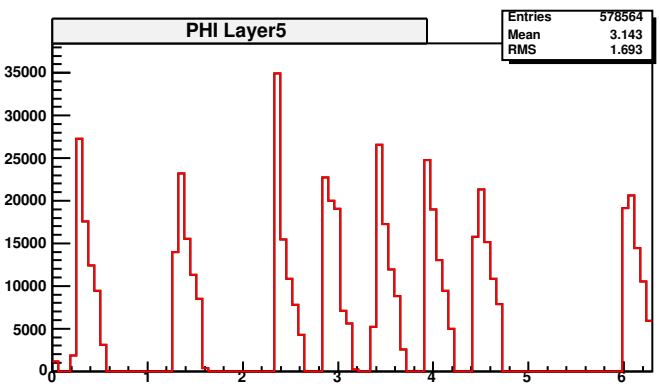
SmtClusters (ClustrBar2)

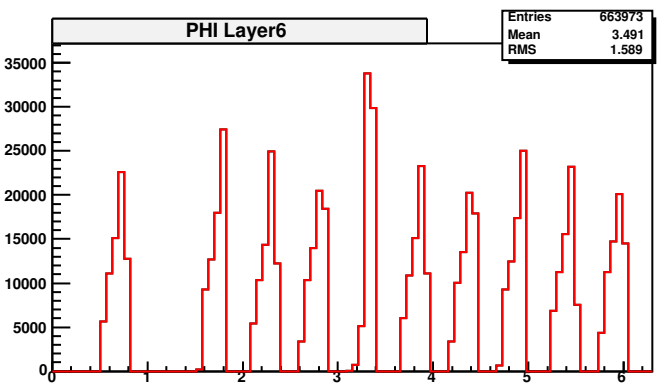


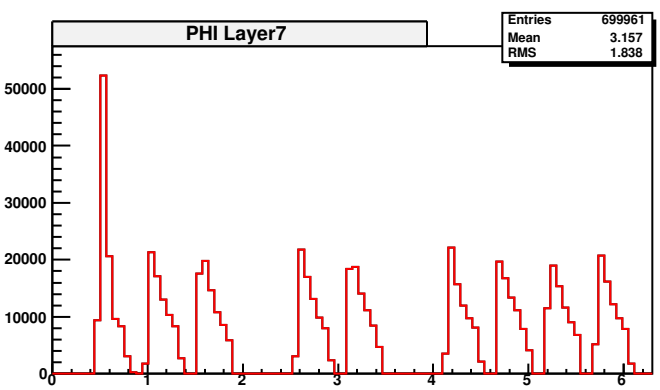


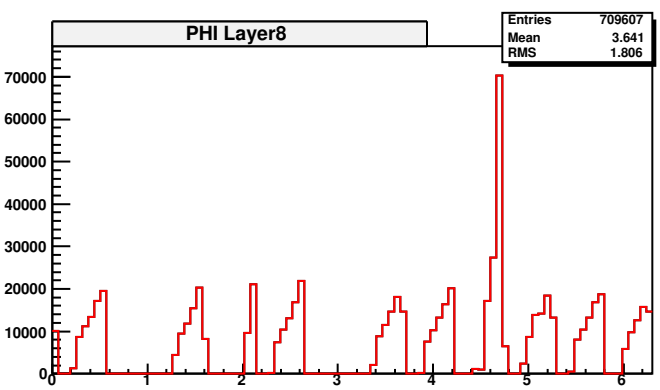




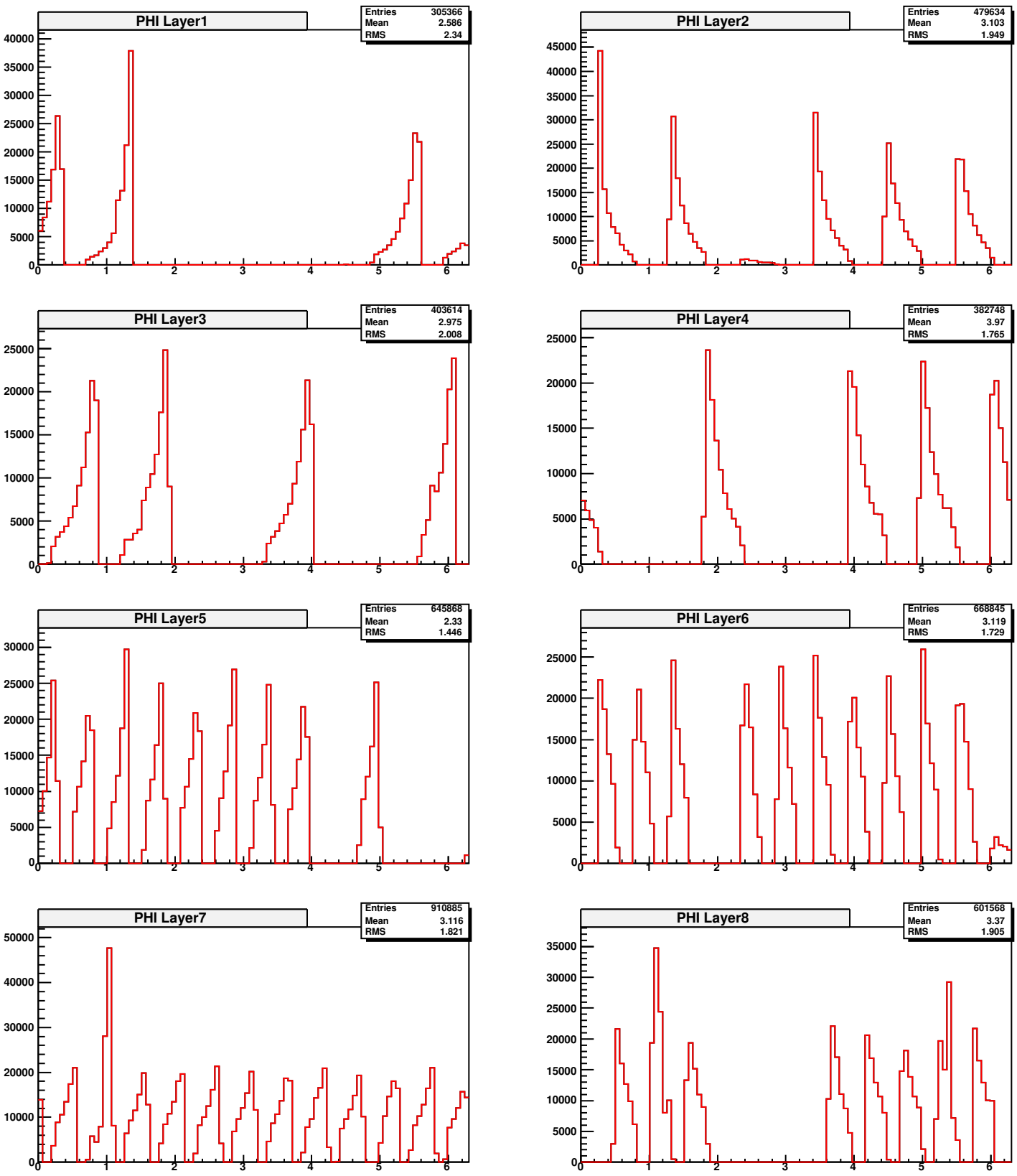




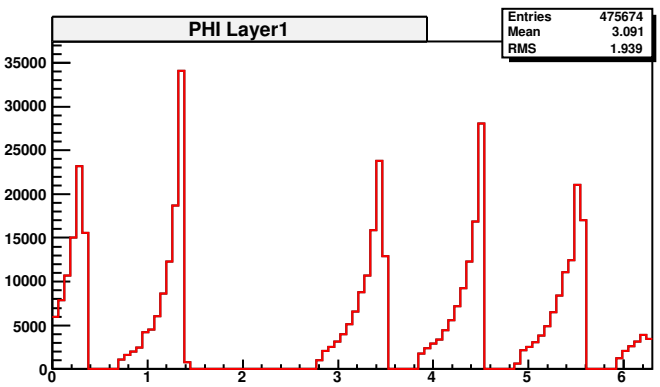


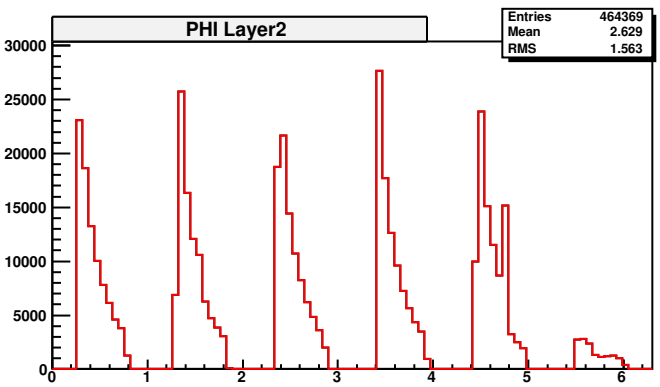


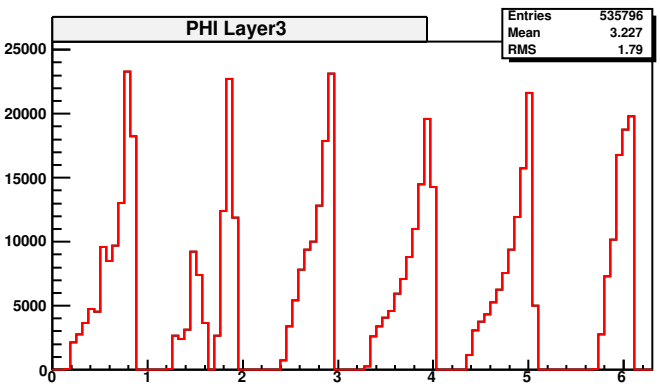
SmtClusters (ClustrBar3)

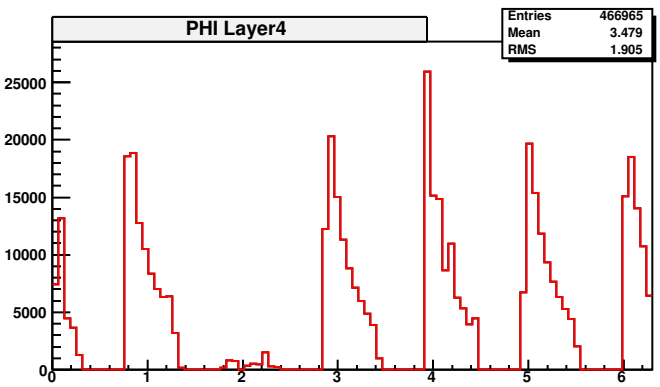


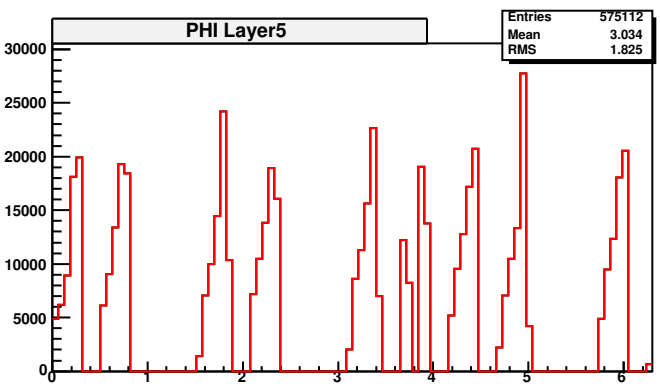
SmtClusters (ClustrBar4)

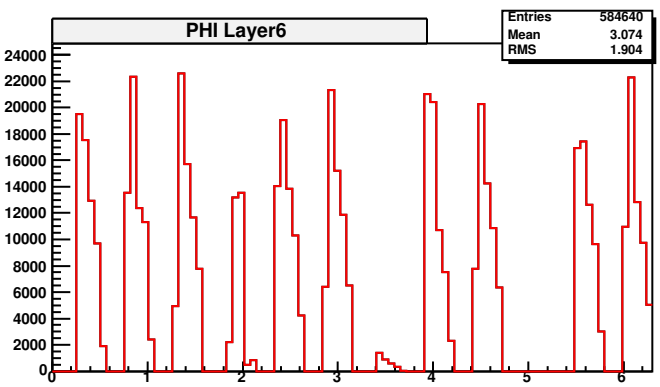


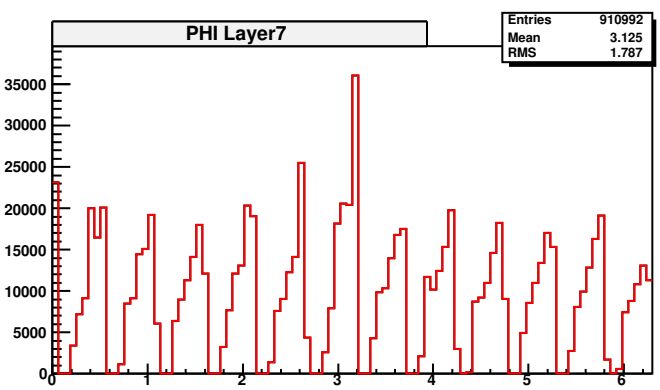


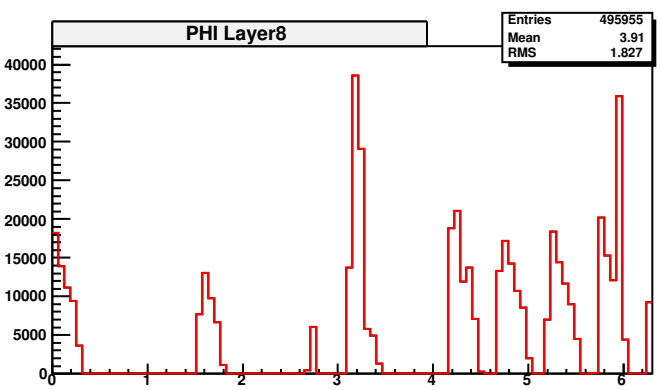




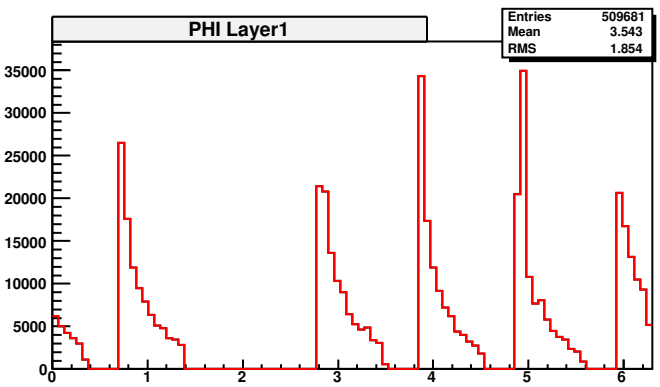


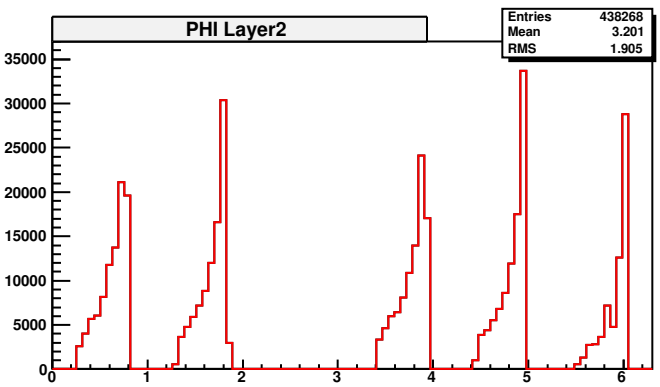


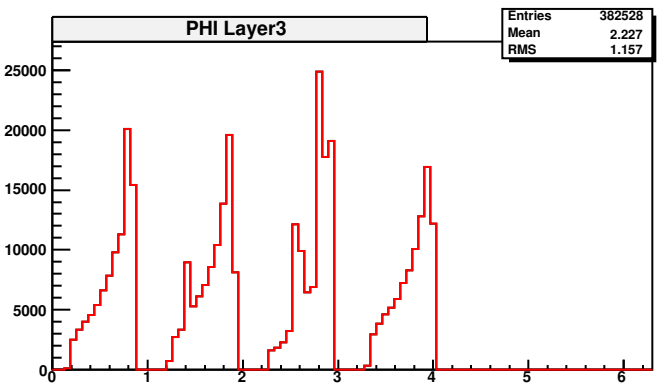


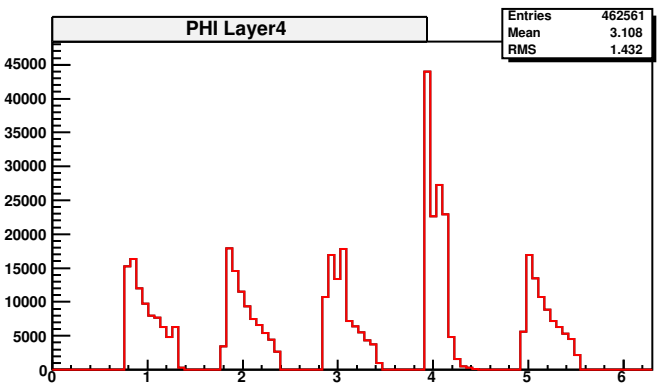


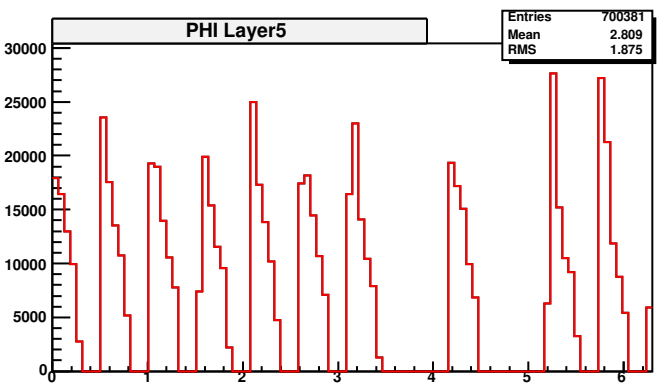
SmtClusters (ClustrBar5)

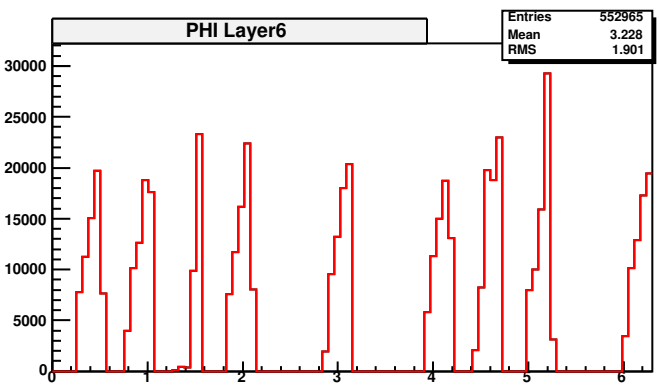


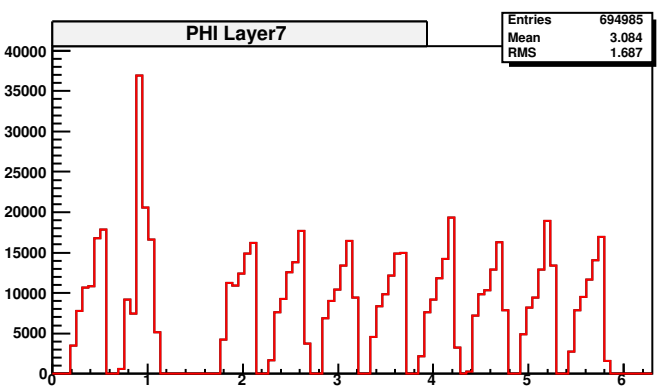


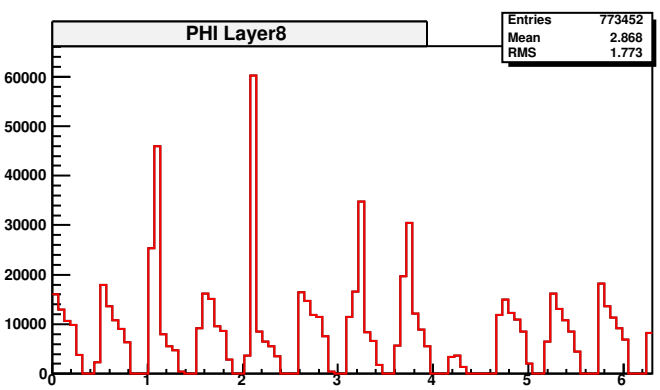




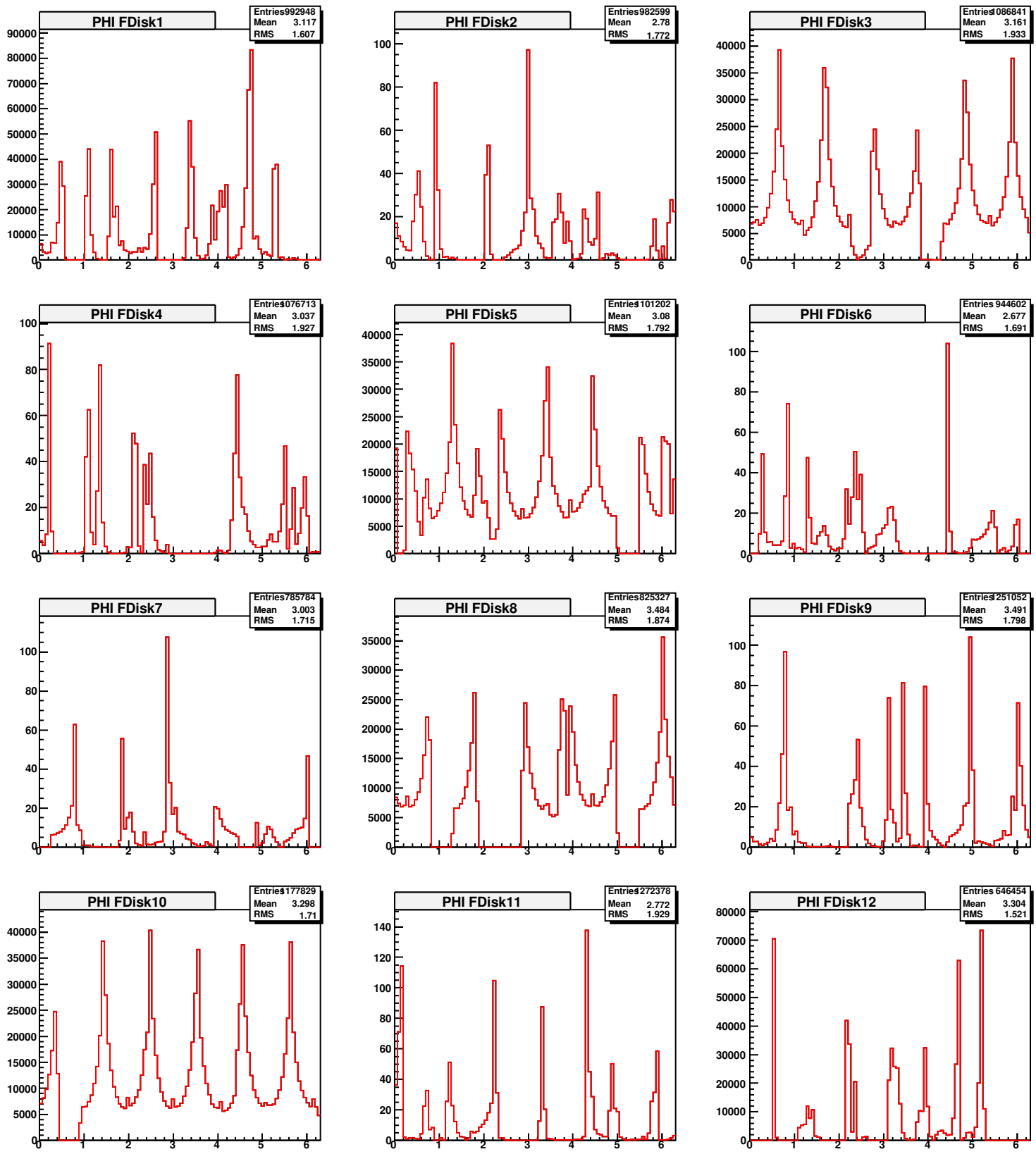




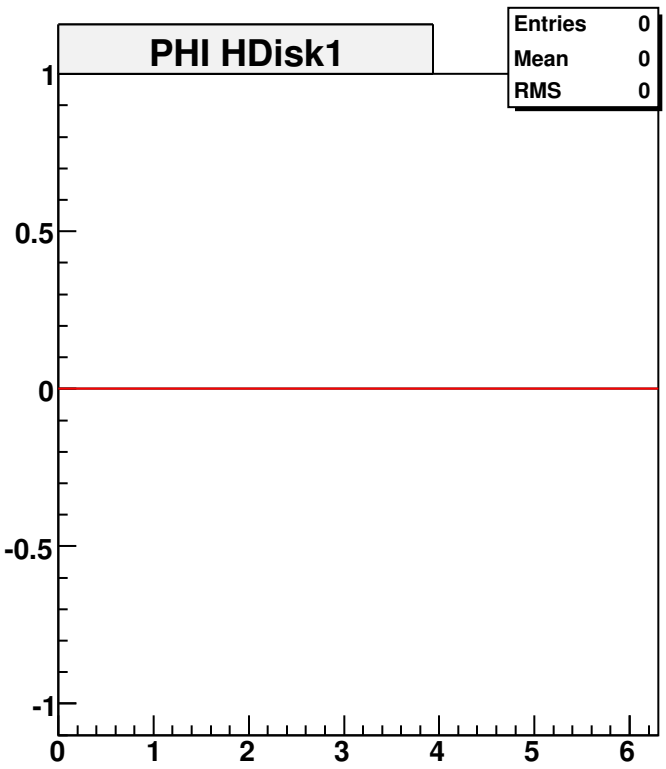


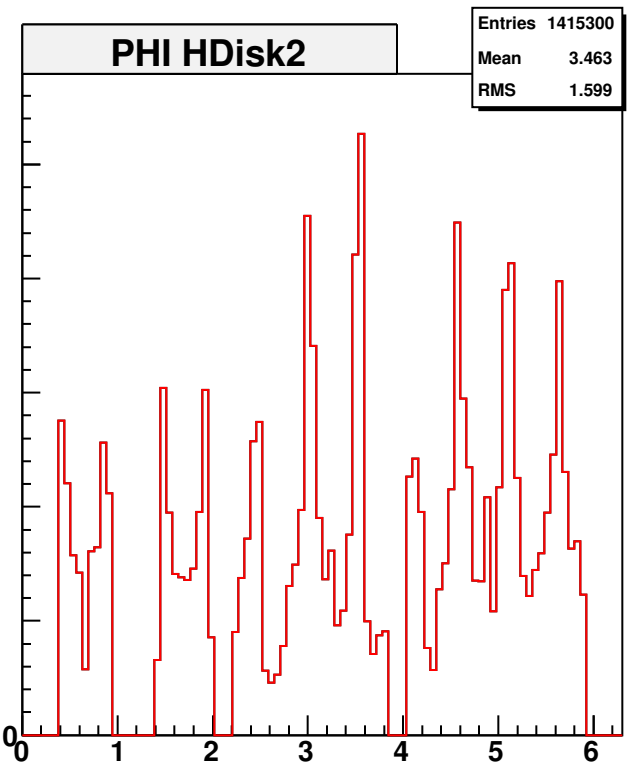


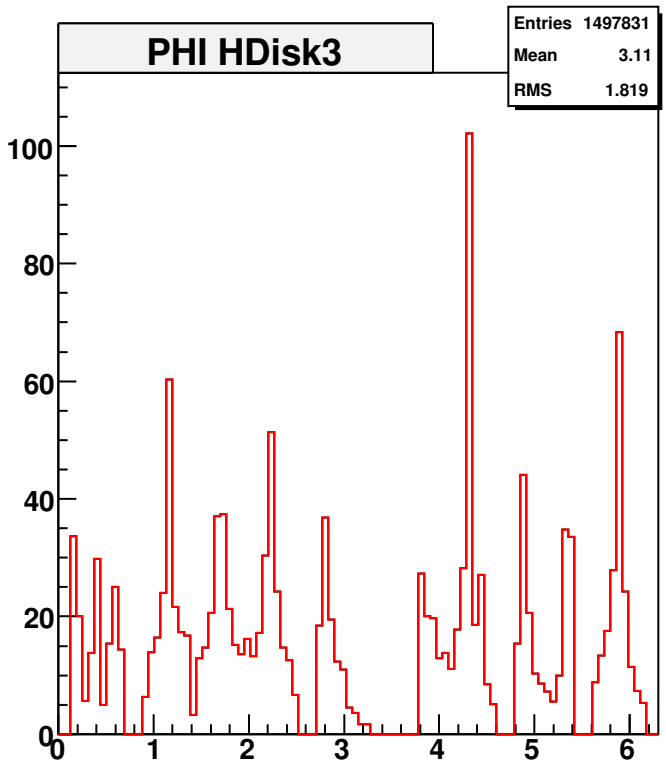
SmtClusters (ClustrBar6)

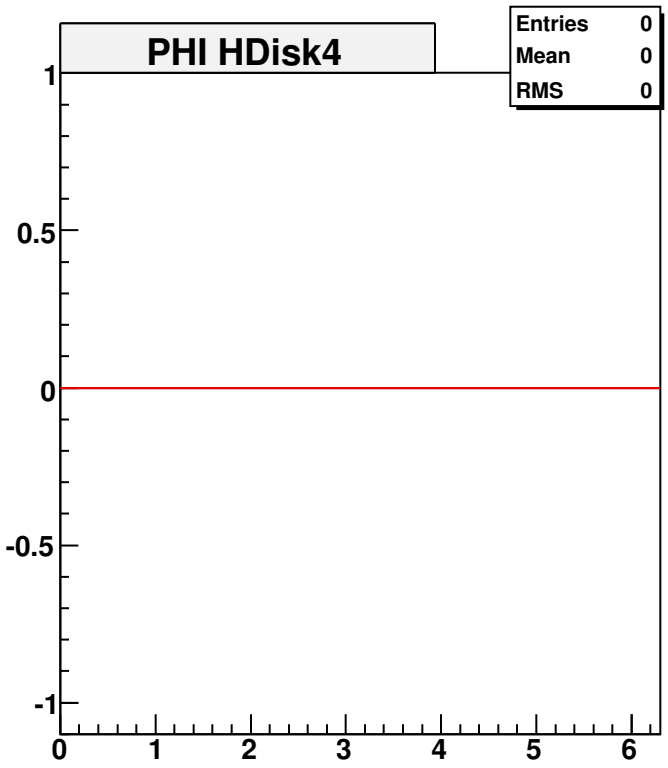


SmtClusters (FDiskClusters)

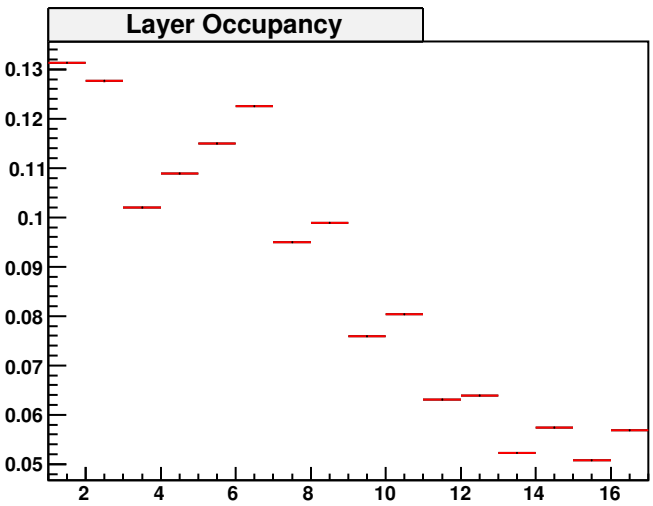


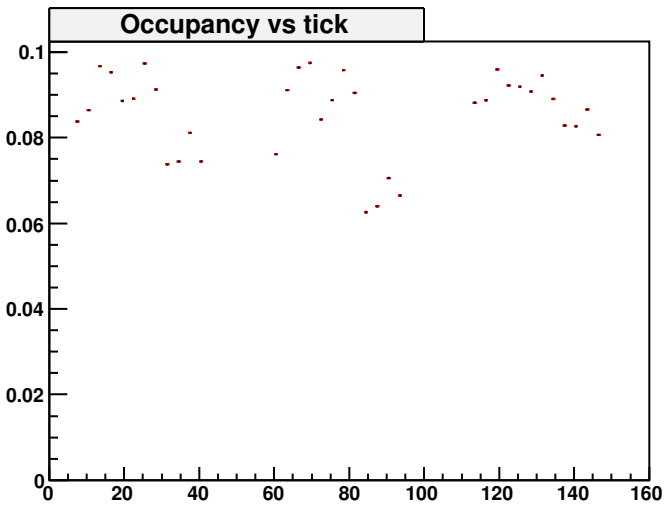


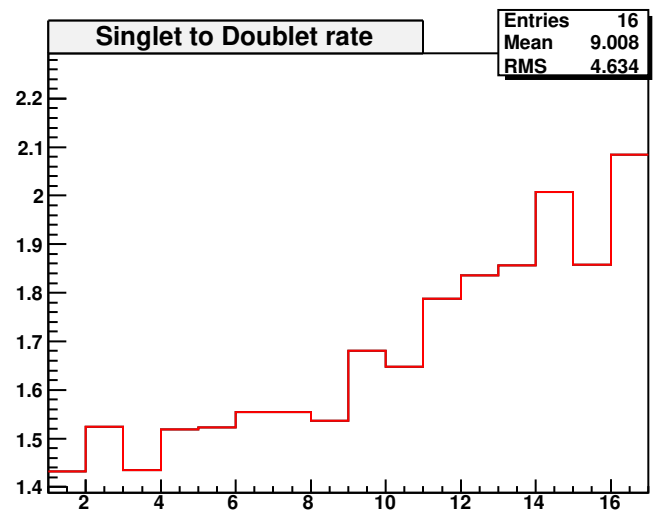


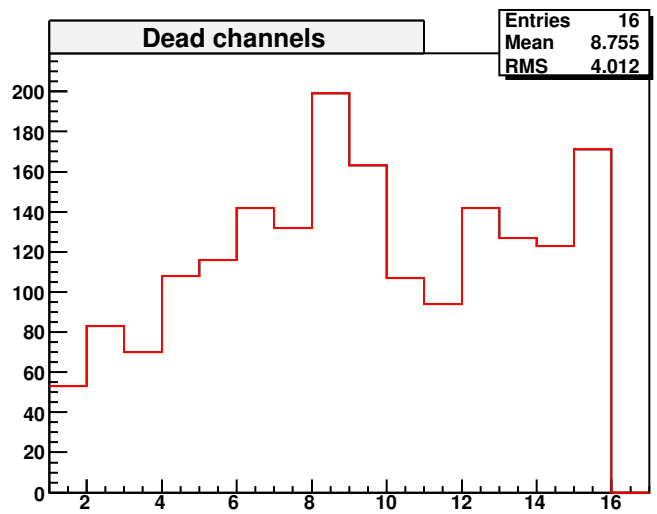


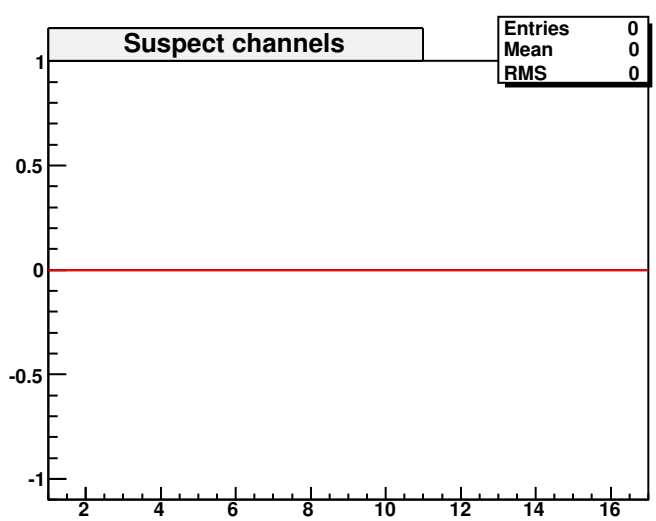
SmtClusters (HDiskClusters)

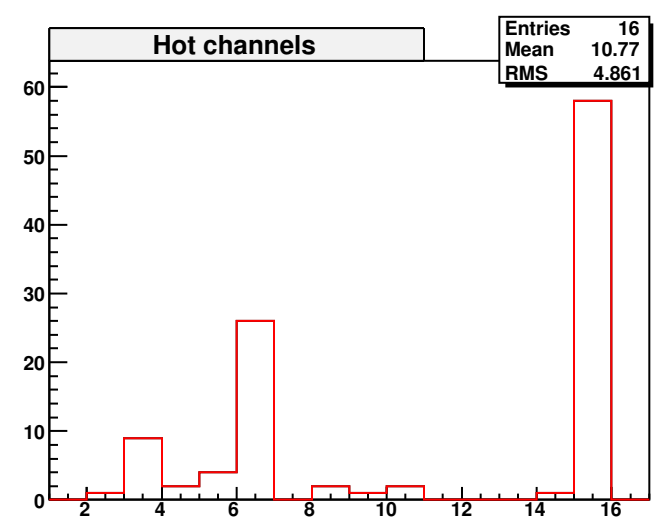




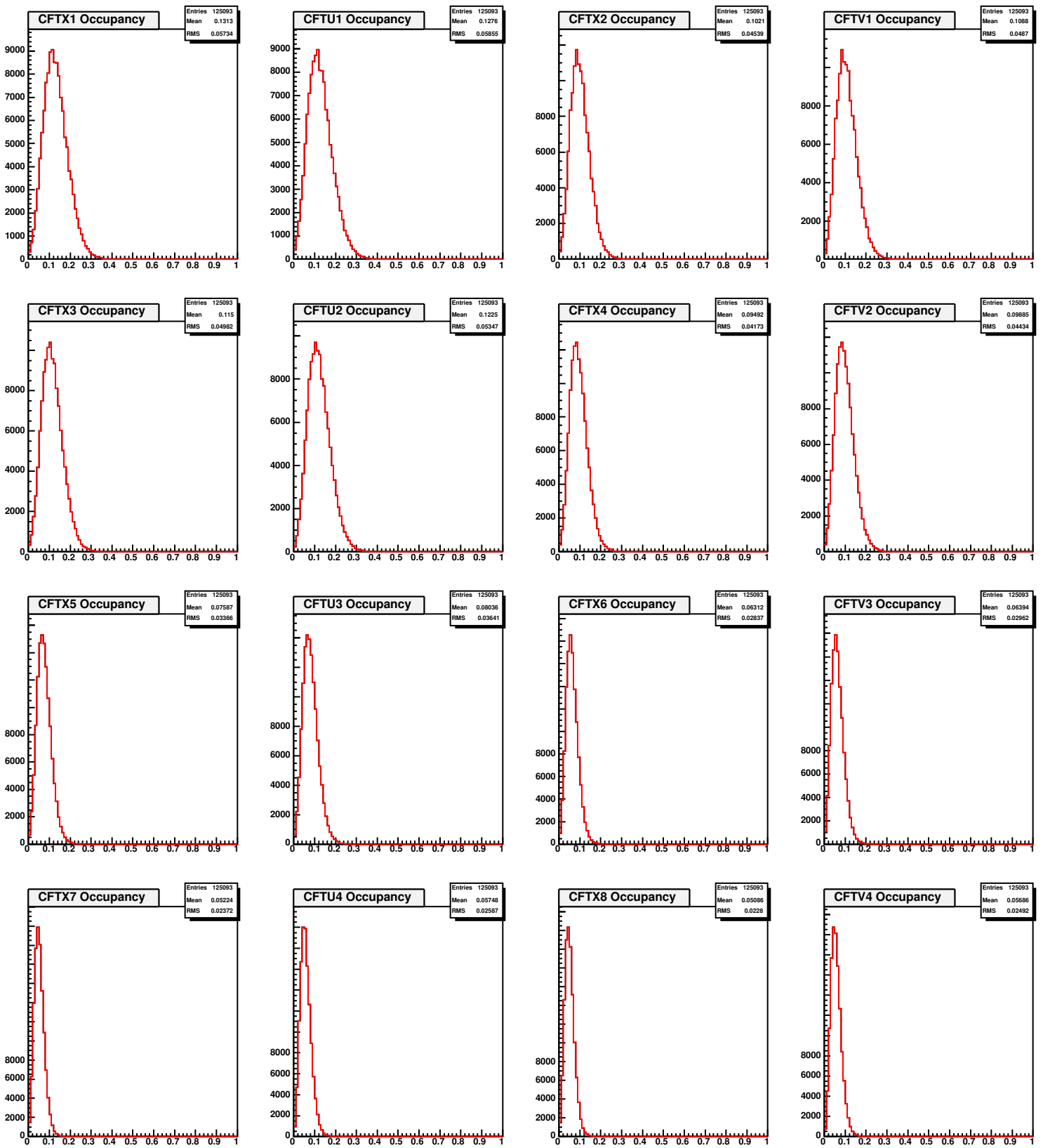




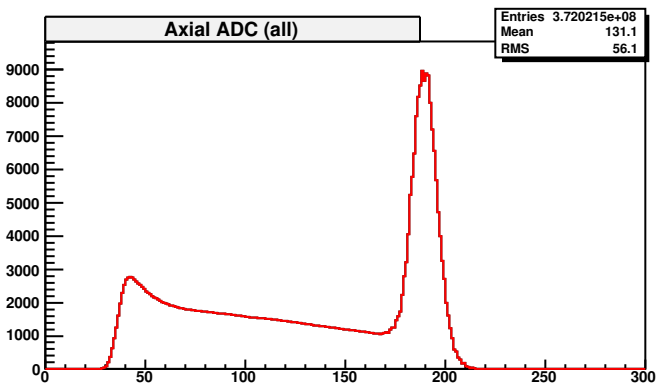


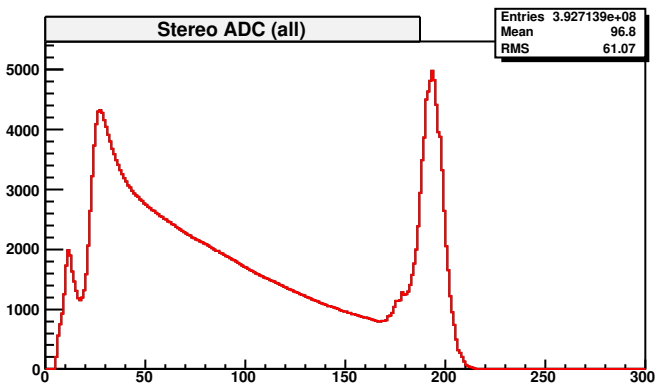


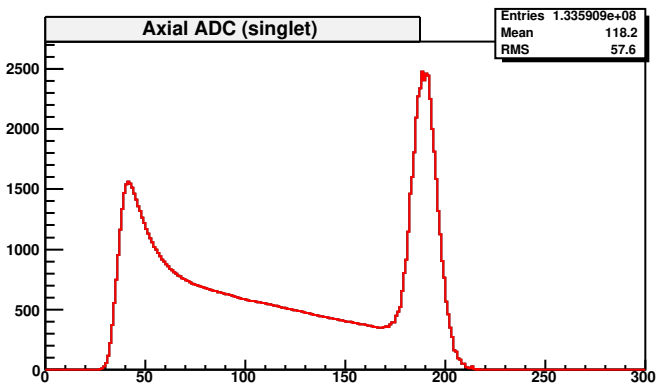
CFT Summary (All Clusters)

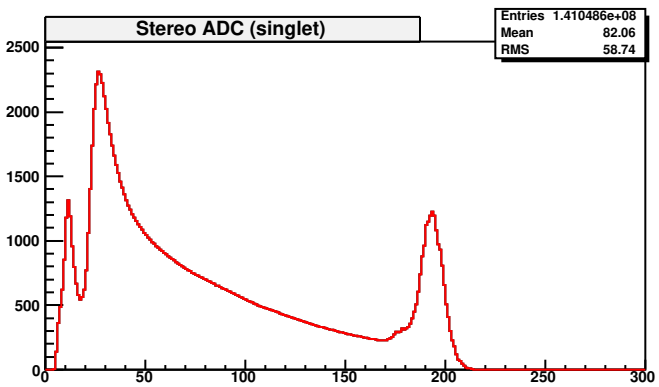


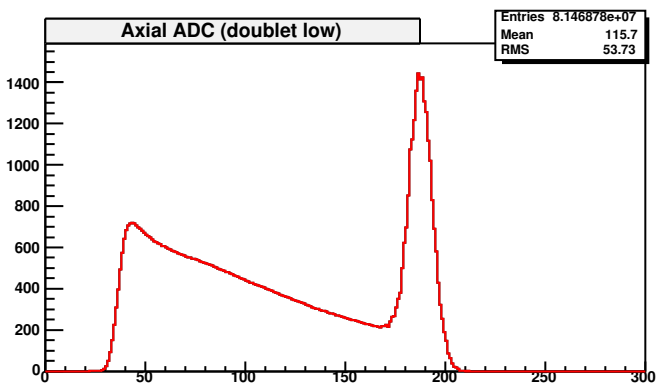
CFT Occupancy (All Clusters)

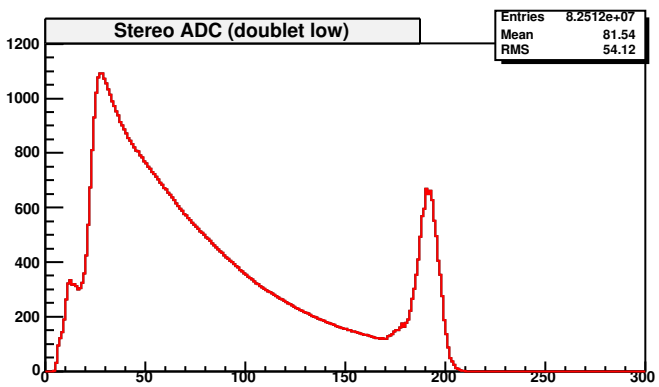


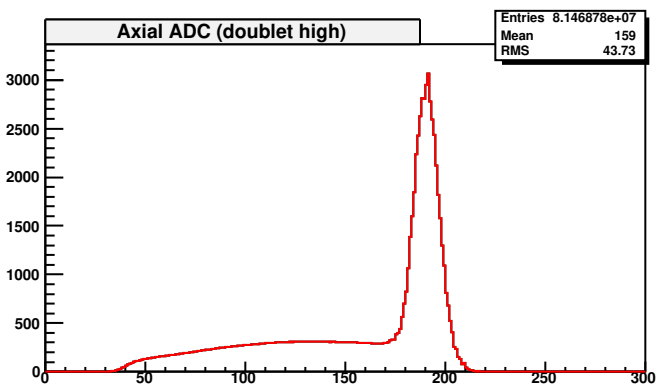


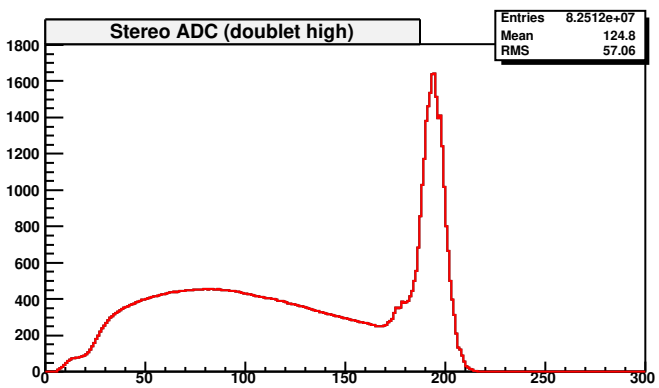




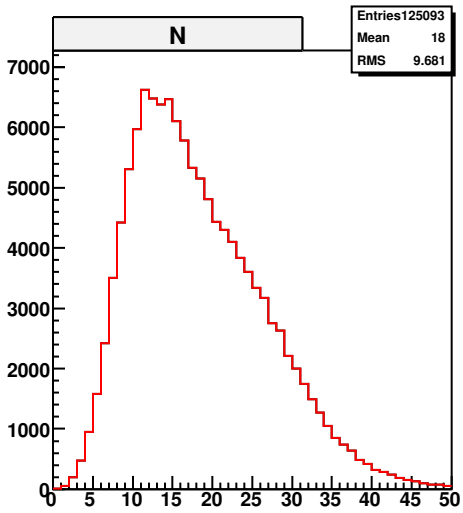


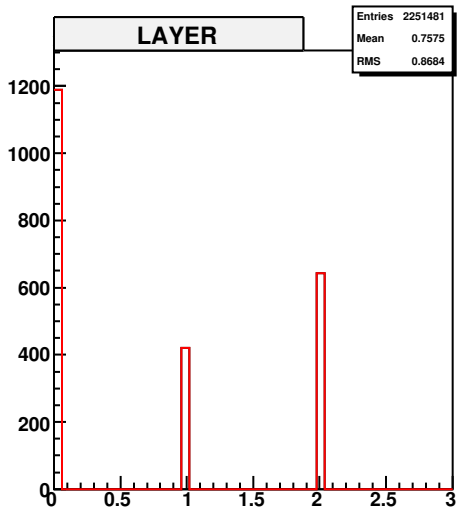


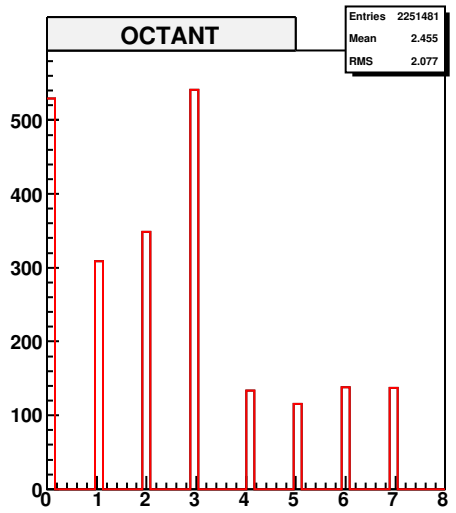


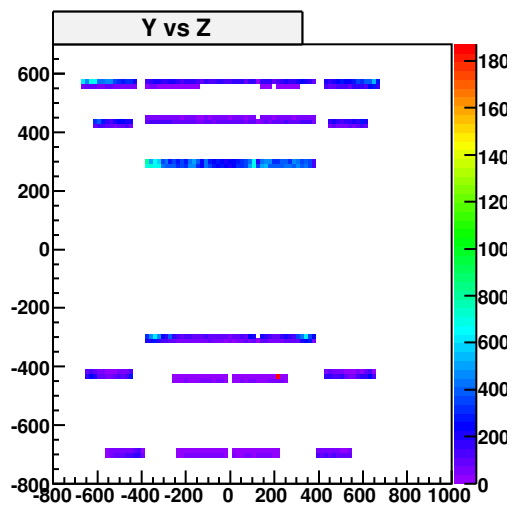


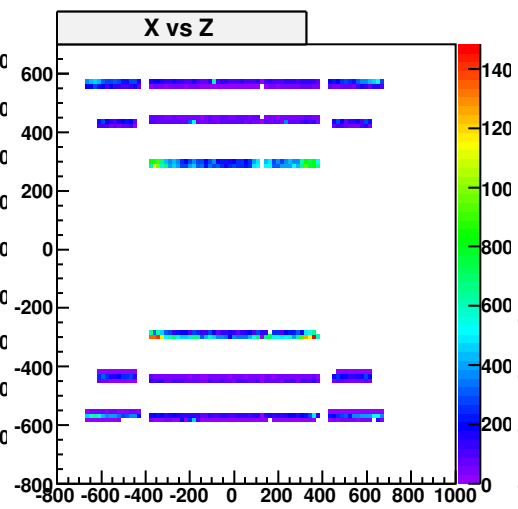
CFT ADC Summary (All Clusters)

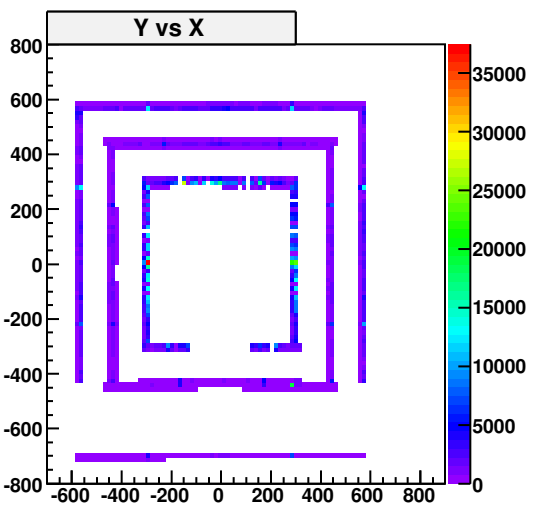

N
Entries 125093
Mean 18
RMS 9.681

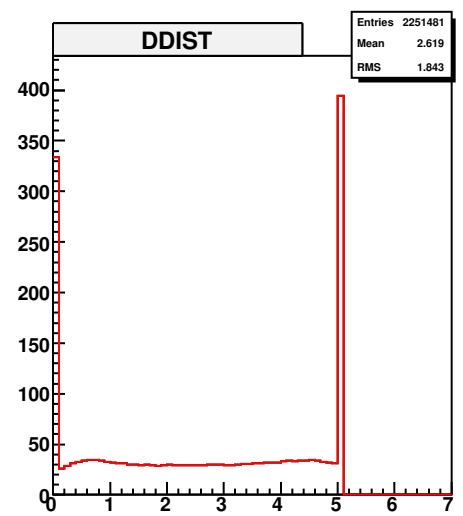

LAYER
Entries 2251481
Mean 0.7575
RMS 0.8684

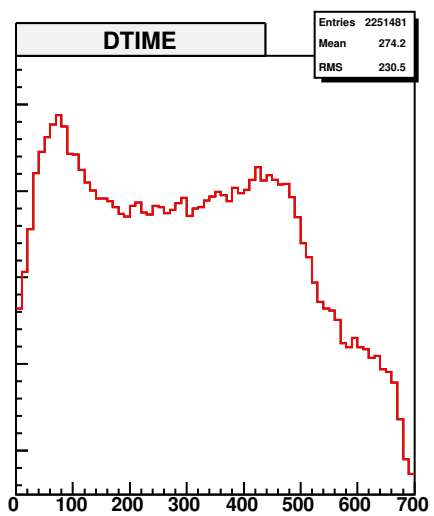

OCTANT
Entries 2251481
Mean 2.455
RMS 2.077


Y vs Z

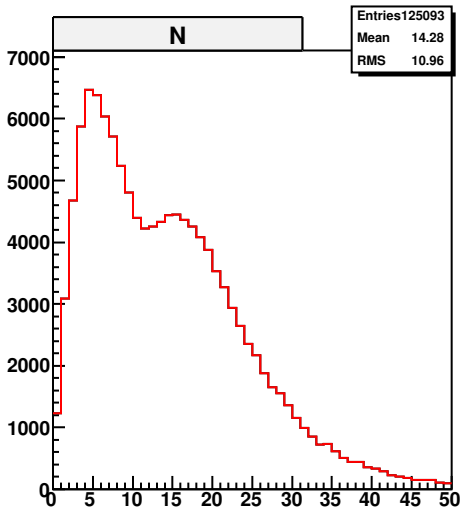

X vs Z

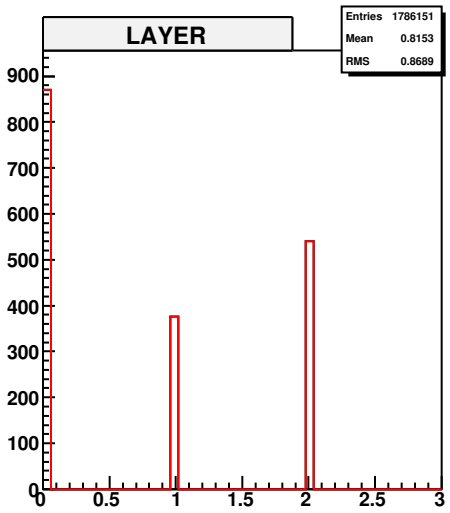

Y vs X

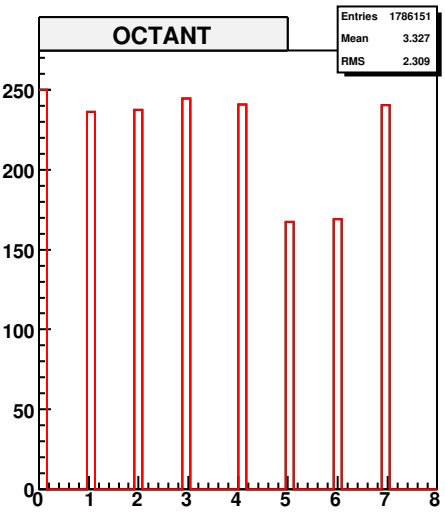

DDIST
Entries 2251481
Mean 2.619
RMS 1.843

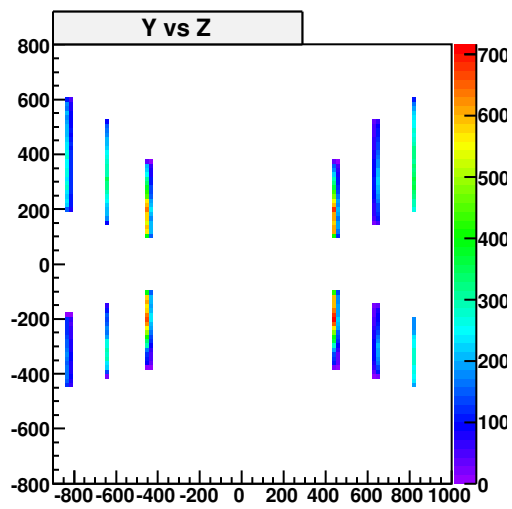

DTIME
Entries 2251481
Mean 274.2
RMS 230.5

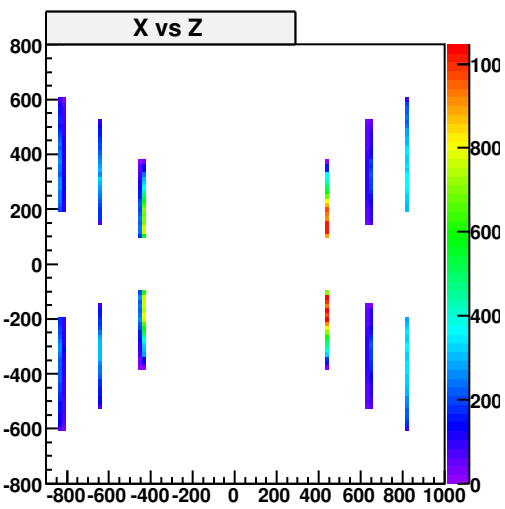
MuonPDT (All)

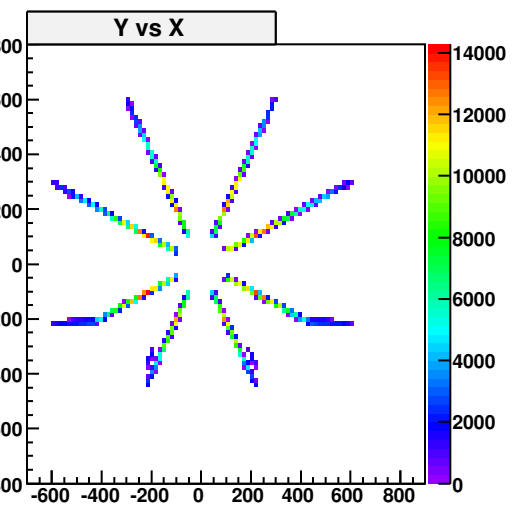

N
Entries 125093
Mean 14.28
RMS 10.96

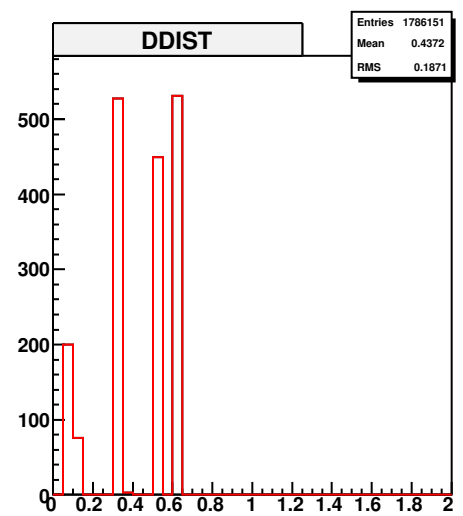

LAYER
Entries 1786151
Mean 0.8153
RMS 0.8689

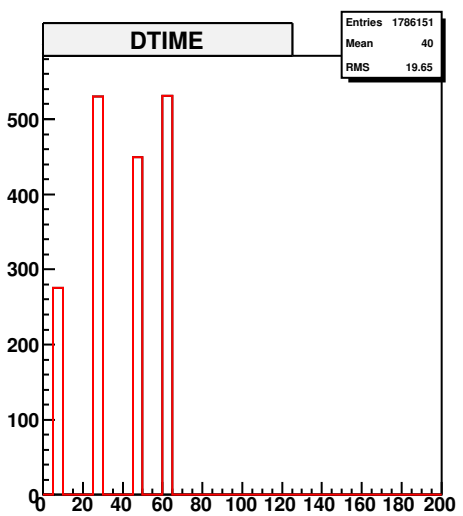

OCTANT
Entries 1786151
Mean 3.327
RMS 2.309


Y vs Z

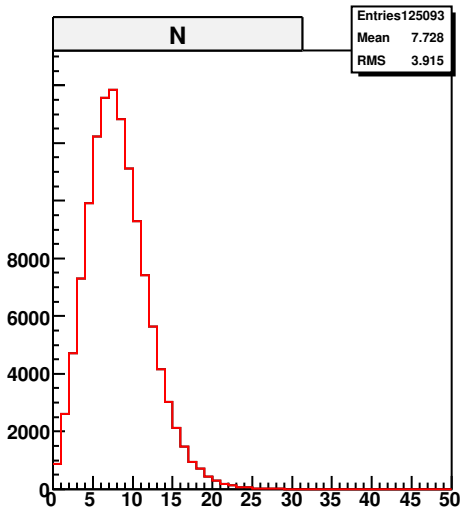

X vs Z

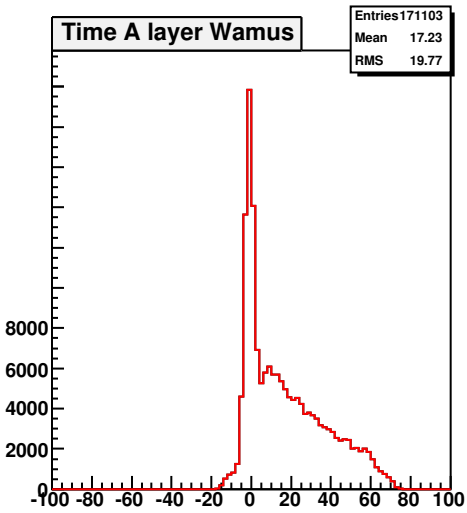

Y vs X

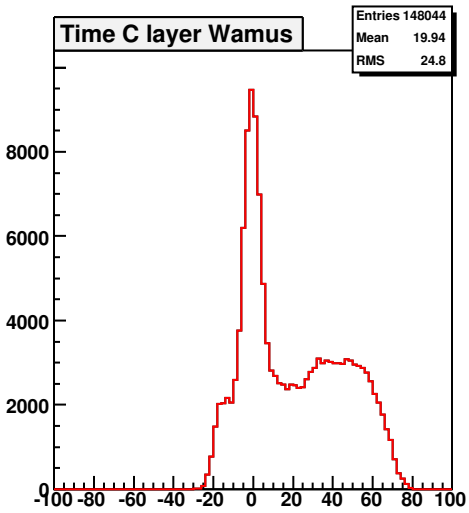

DDIST
Entries 1786151
Mean 0.4372
RMS 0.1871

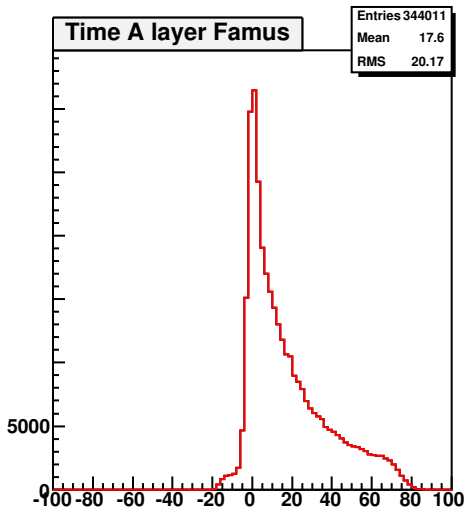

DTIME
Entries 1786151
Mean 40
RMS 19.65

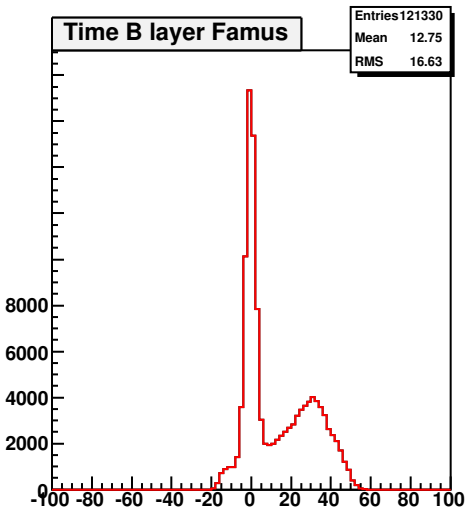
MuonMDT (All)

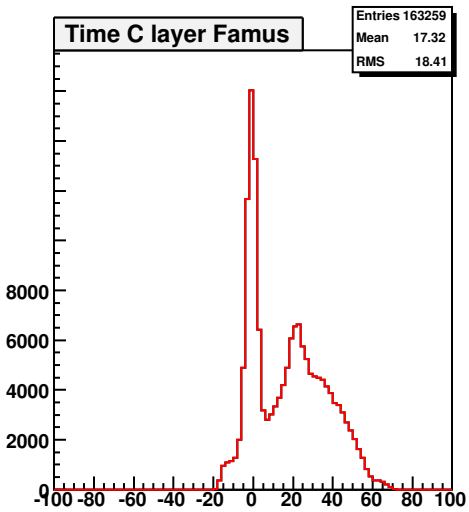

N
Entries 125093
Mean 7.728
RMS 3.915

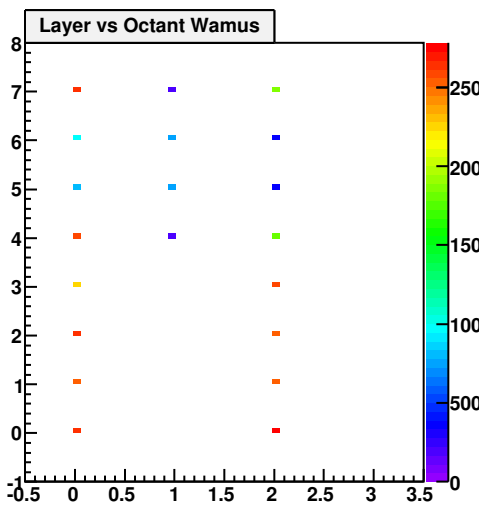

Time A layer Wamus
Entries 171103
Mean 17.23
RMS 19.77

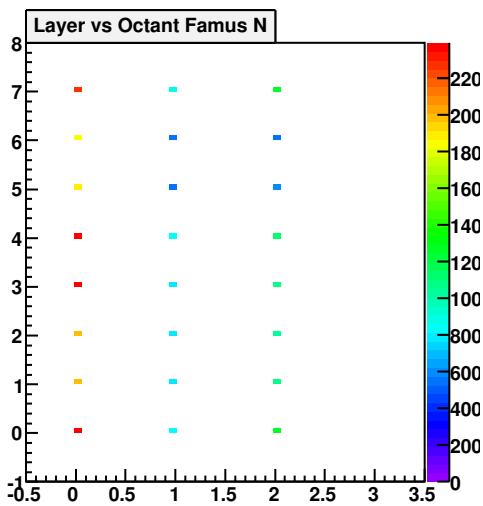

Time C layer Wamus
Entries 148044
Mean 19.94
RMS 24.8


Time A layer Famus
Entries 344011
Mean 17.6
RMS 20.17


Time B layer Famus
Entries 121330
Mean 12.75
RMS 16.63


Time C layer Famus
Entries 163259
Mean 17.32
RMS 18.41


Layer vs Octant Wamus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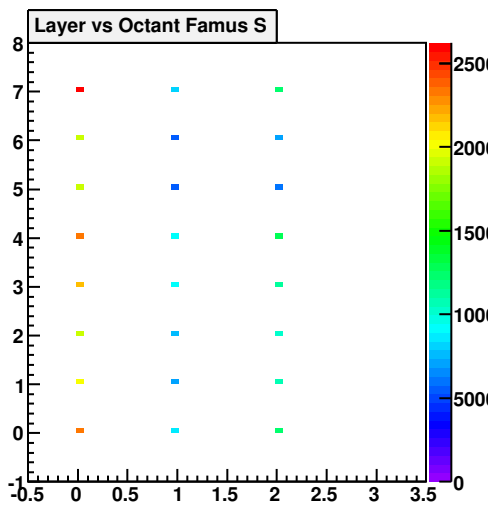
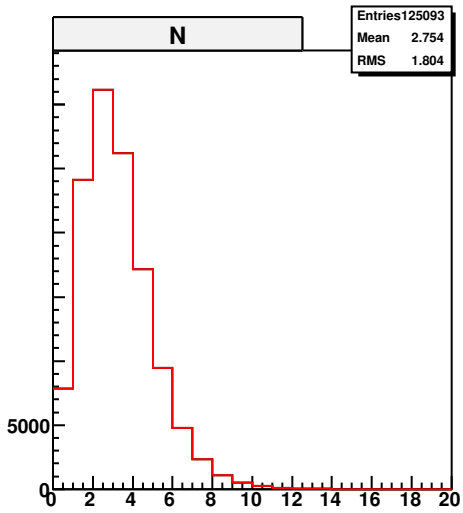
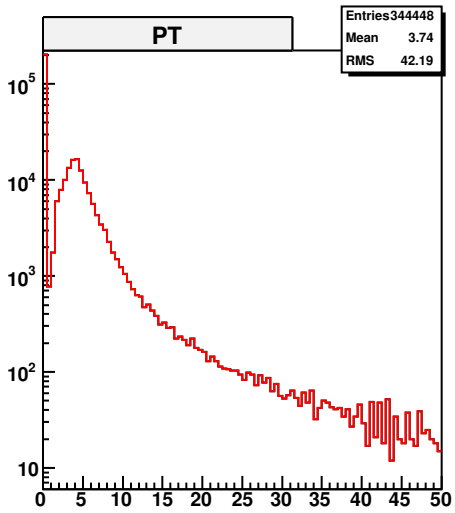
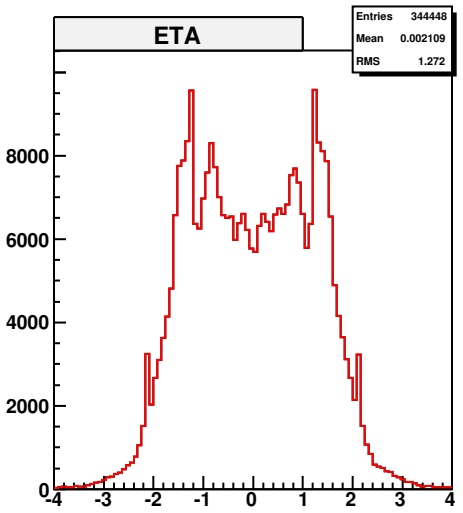
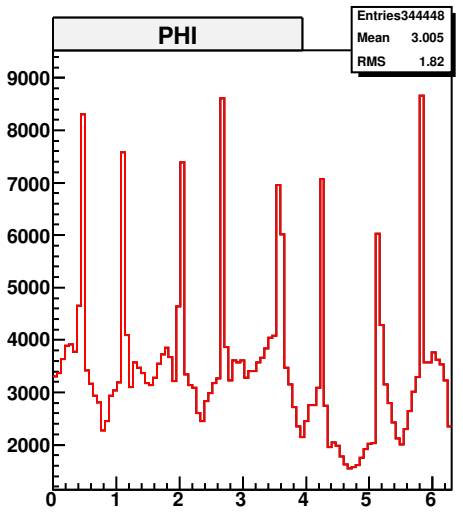

Layer vs Octant Famus S

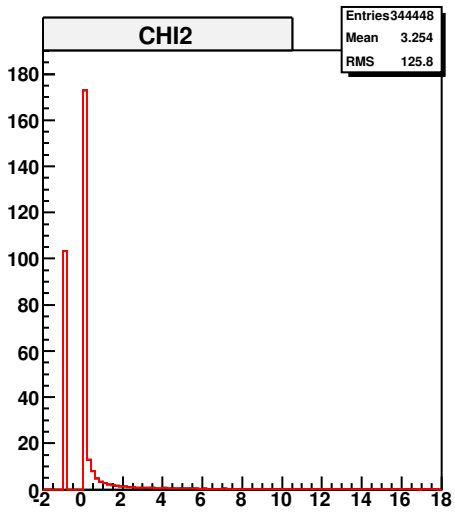
MuonMSC (All)

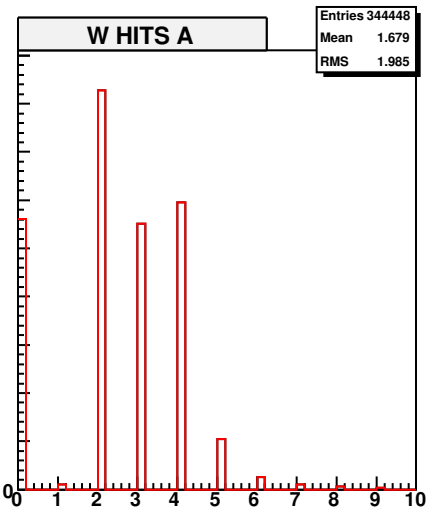


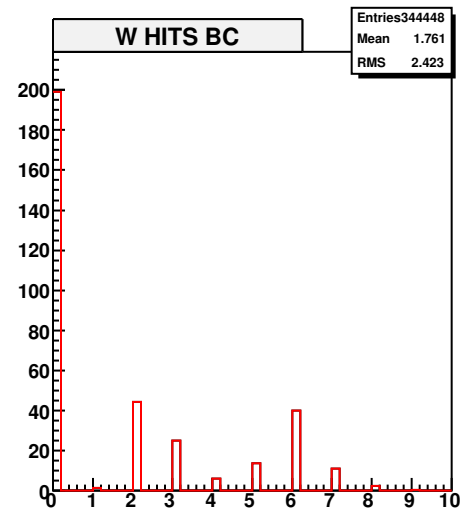


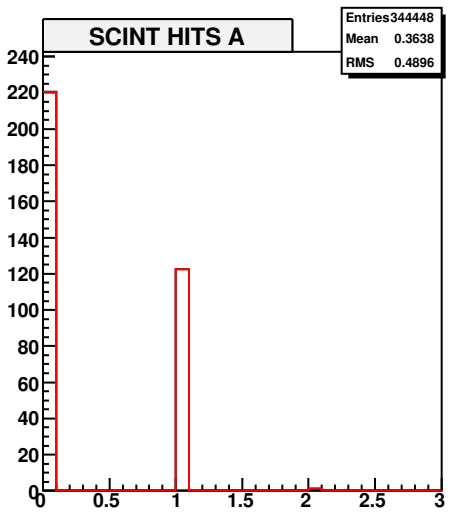


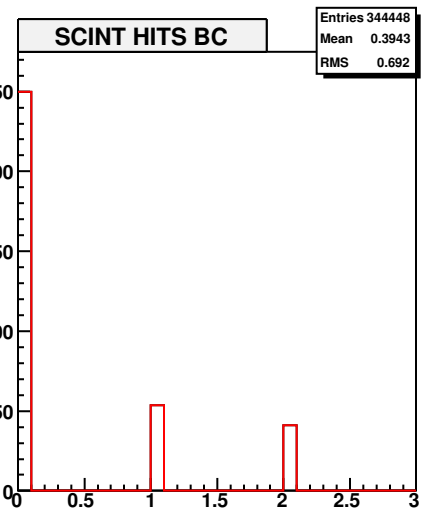




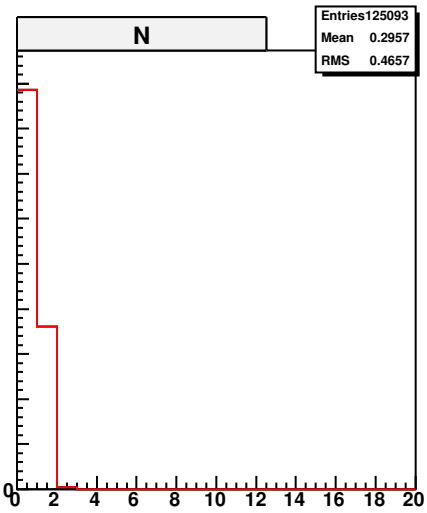


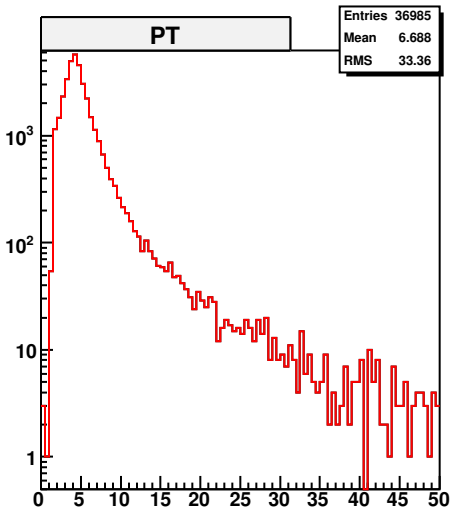


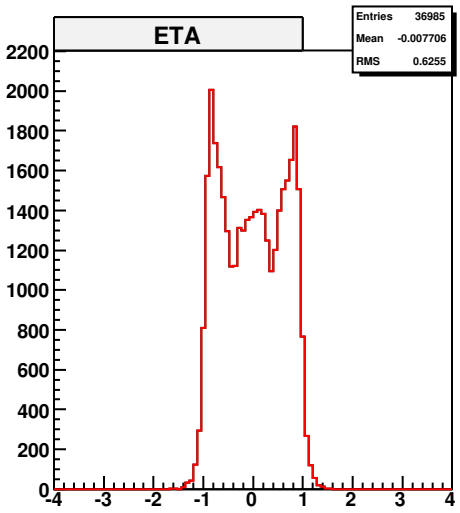


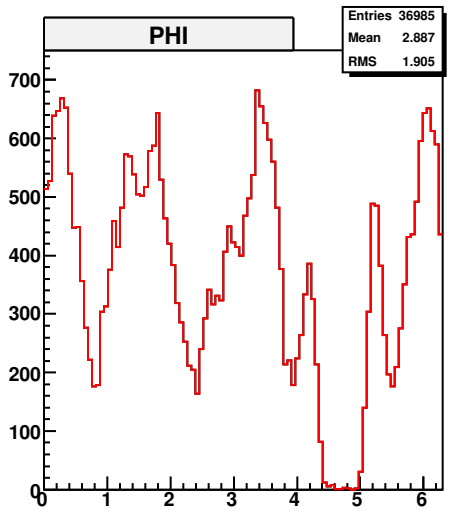


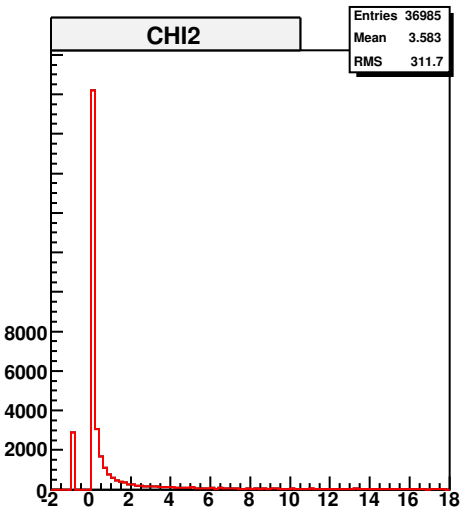
Muon Local Tracks (All)

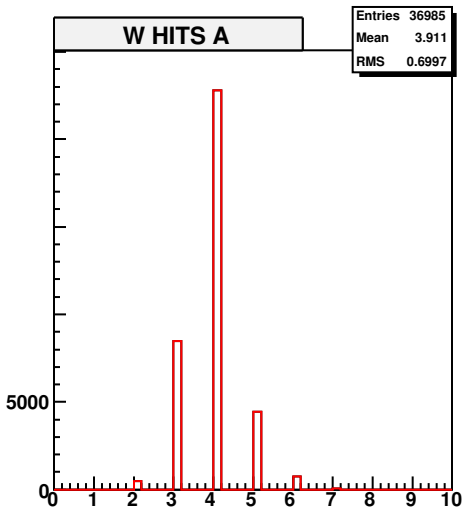


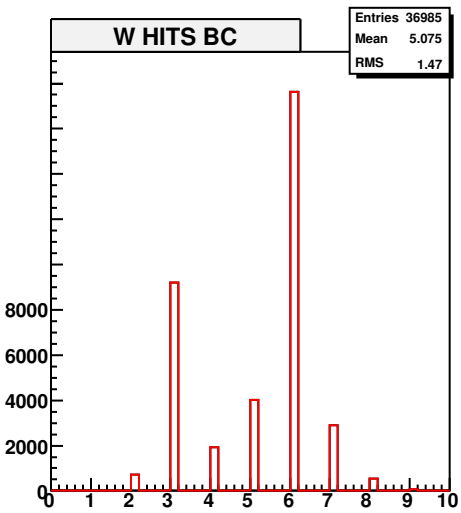


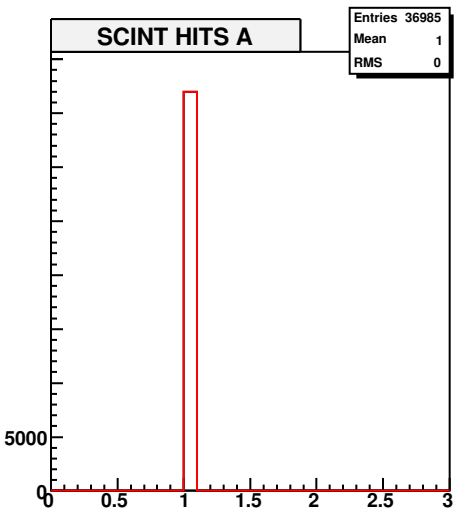


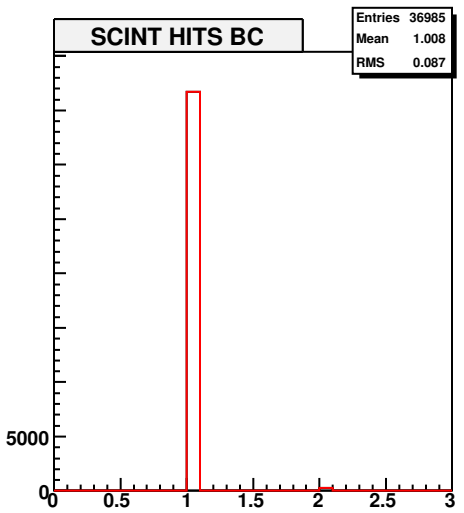




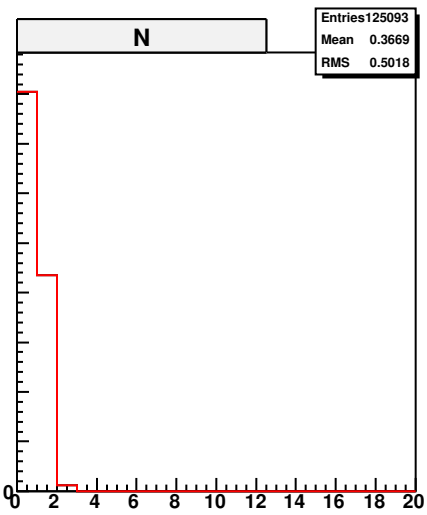


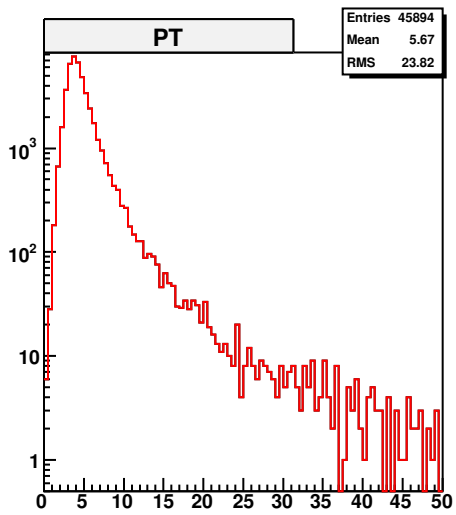


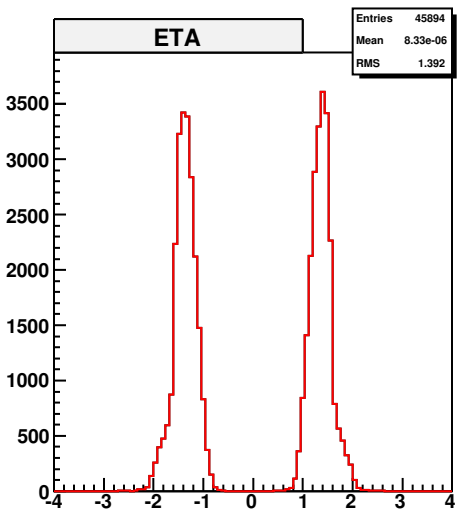


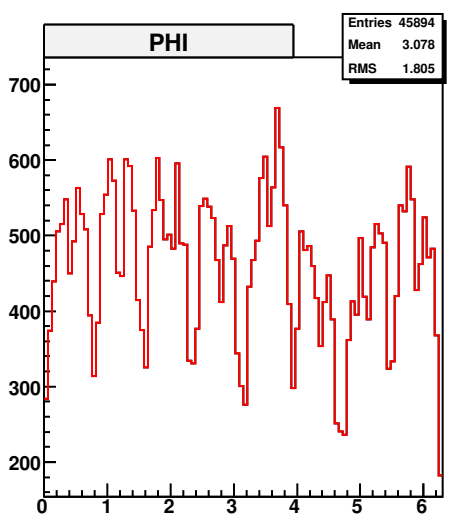


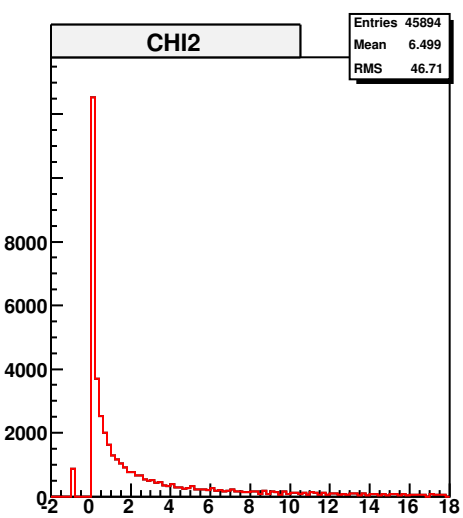
Muon Local Tracks (MediumWamus)

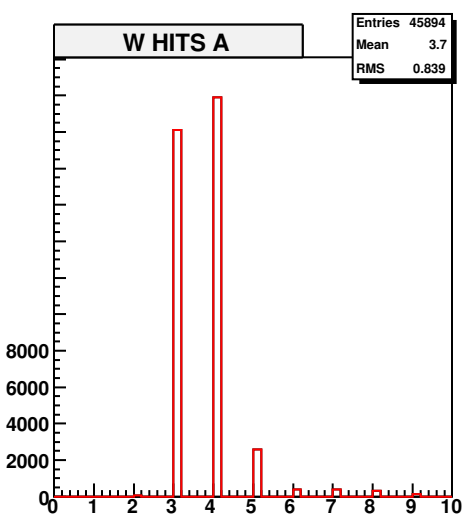


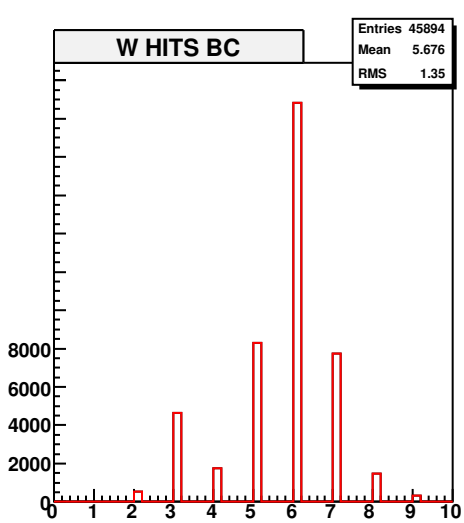


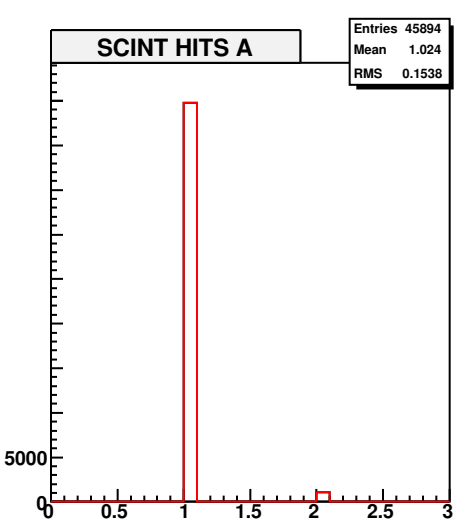


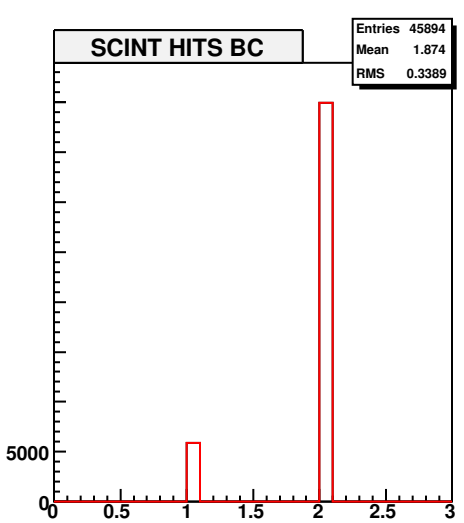




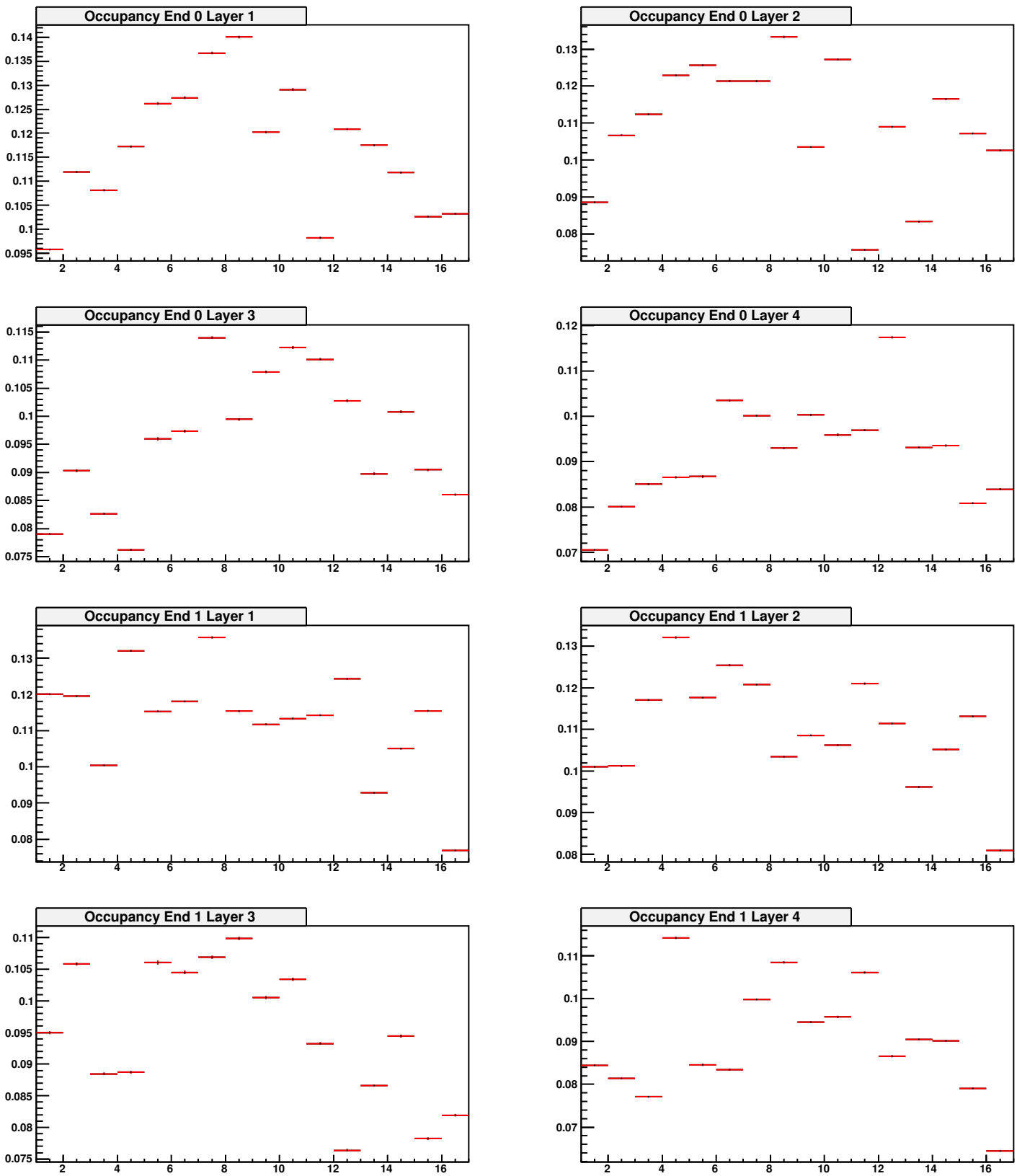




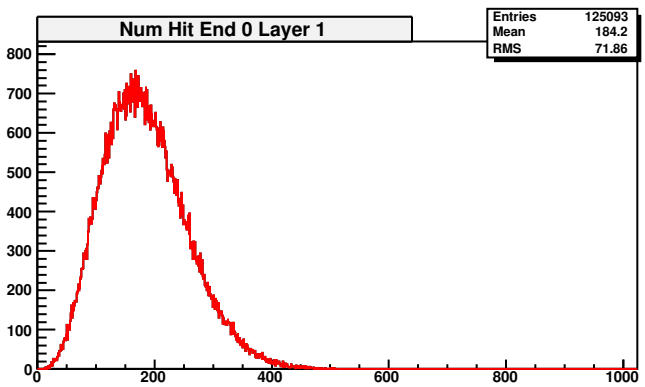


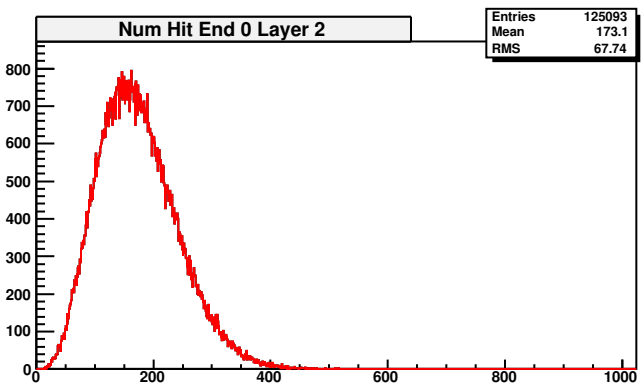


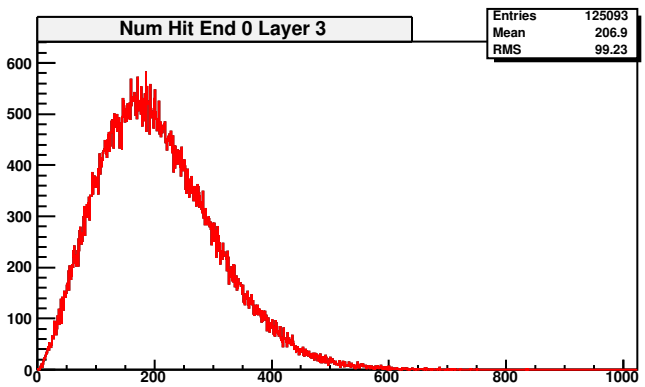
Muon Local Tracks (MediumFamus)

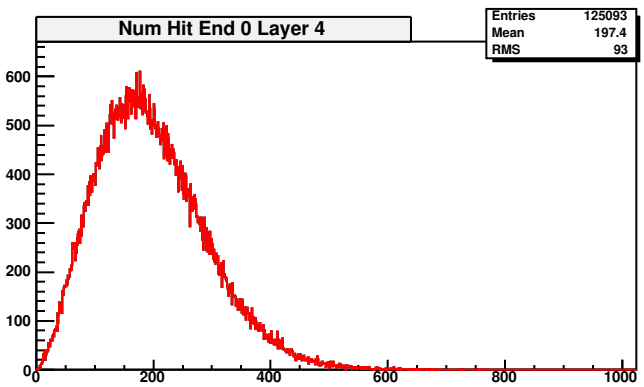


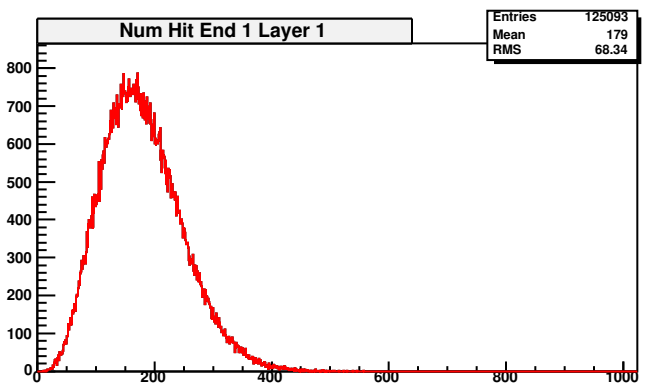
FPS Hit Occupancy (All)

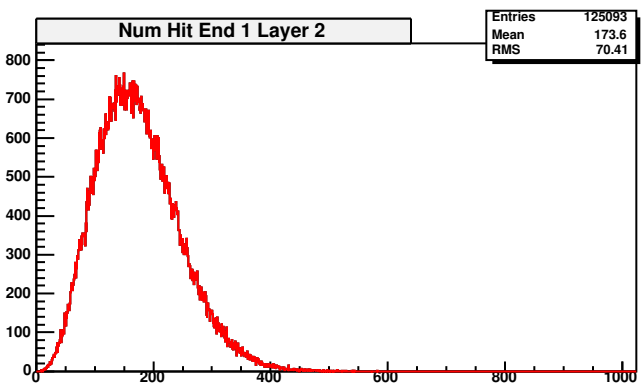


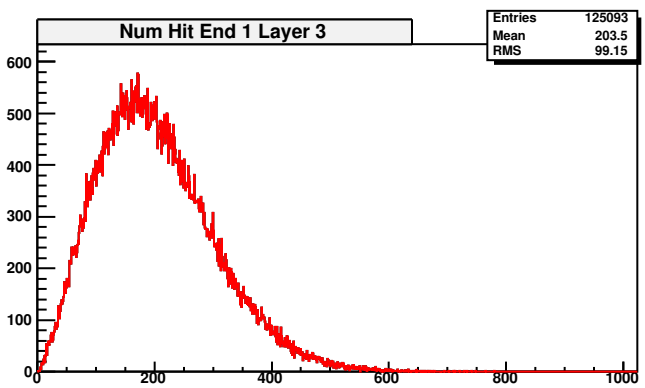


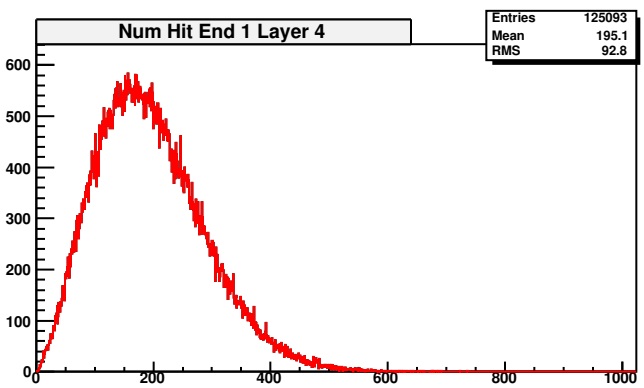




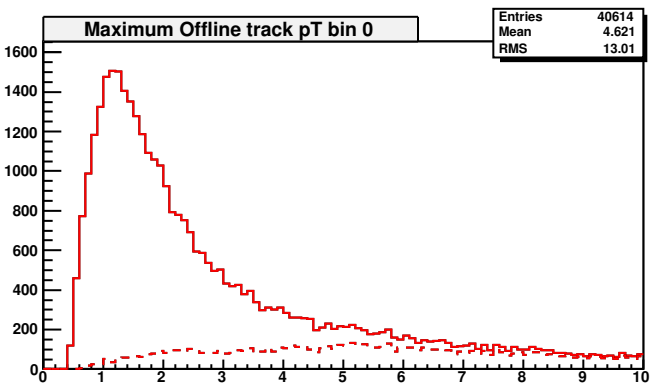


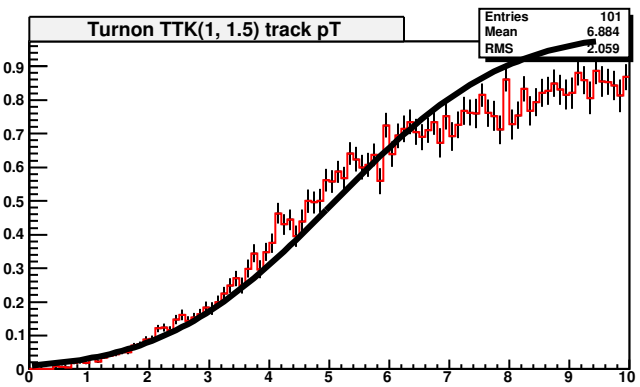


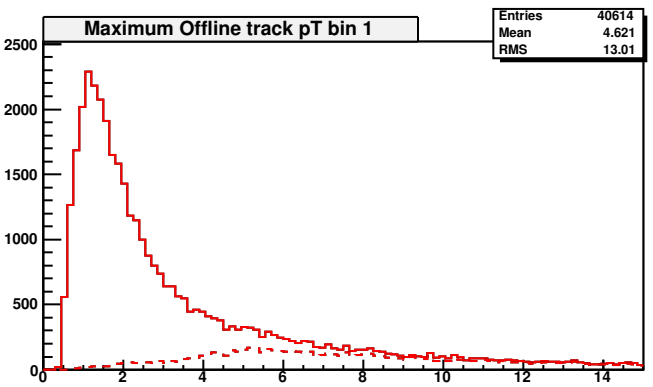


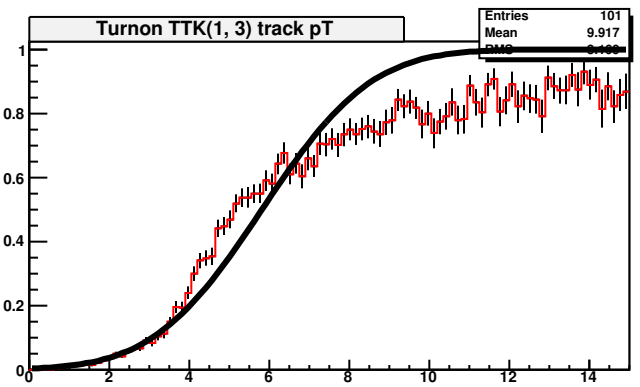


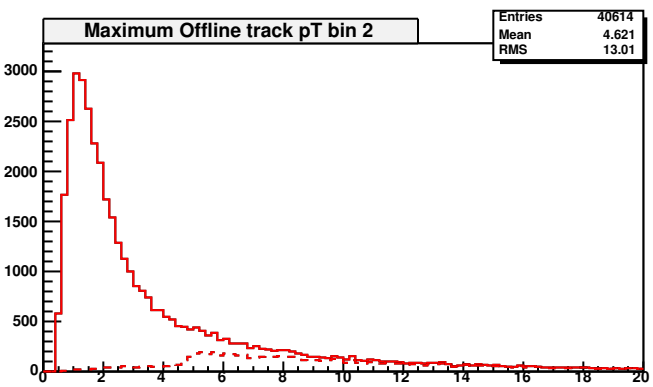
FPS Number of Hits (All)

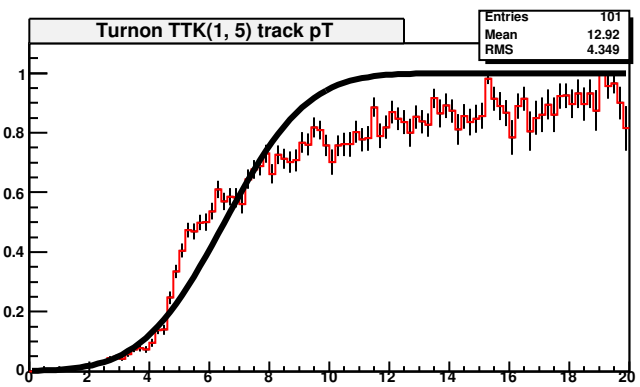


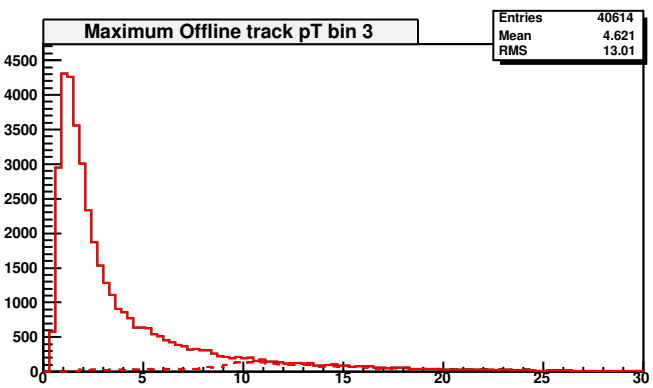


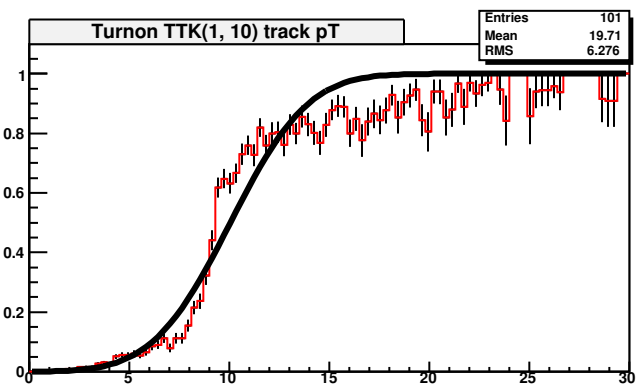




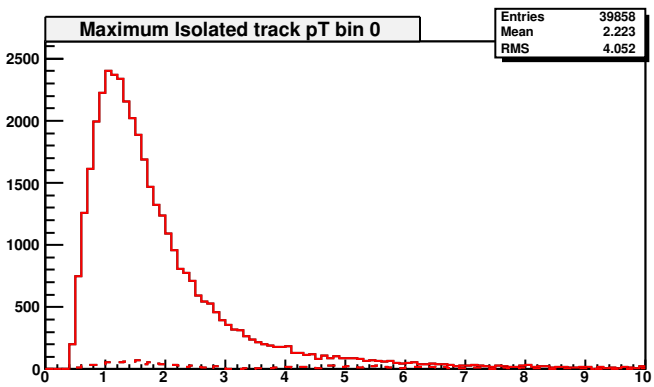


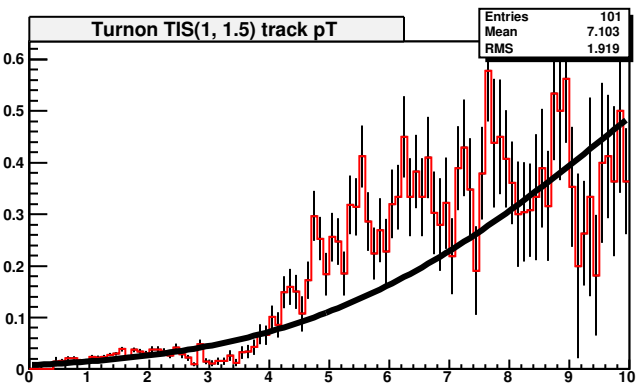


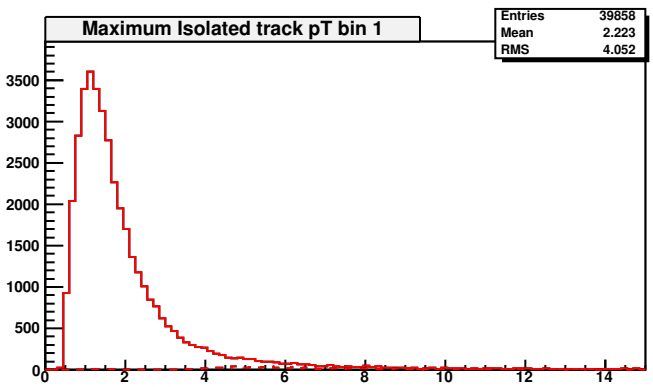


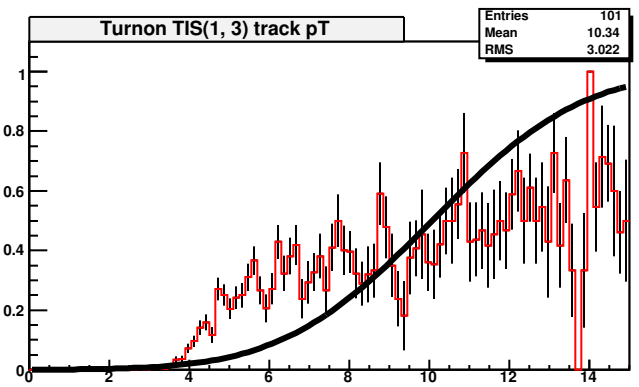


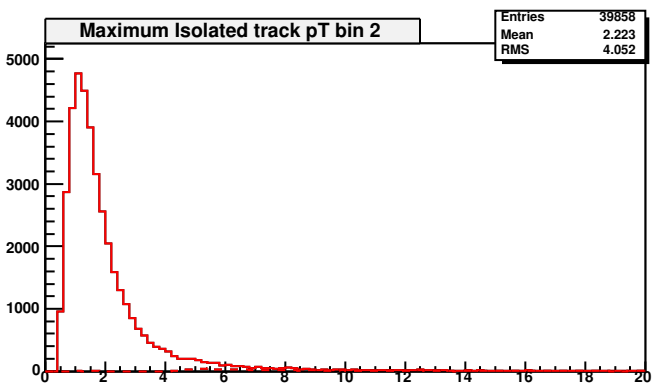
TTK Turnon curves (L1CTT All)

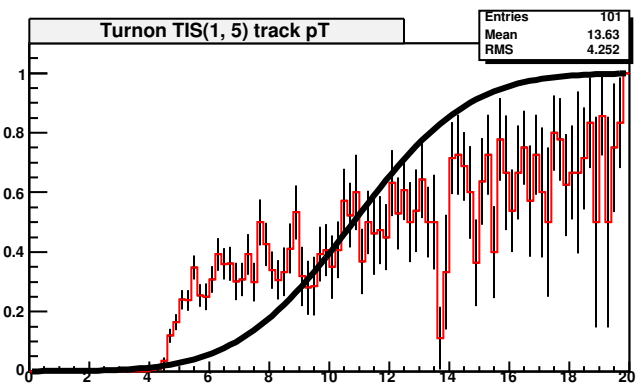


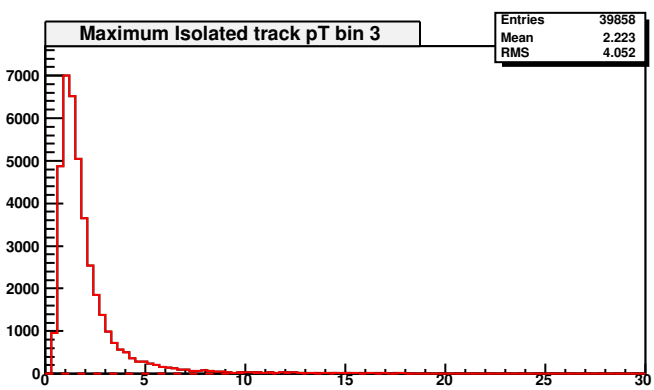


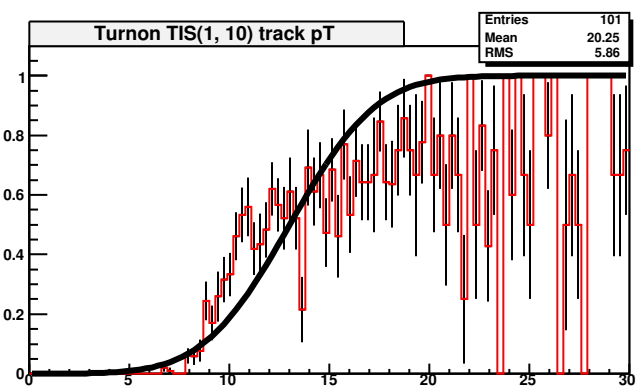




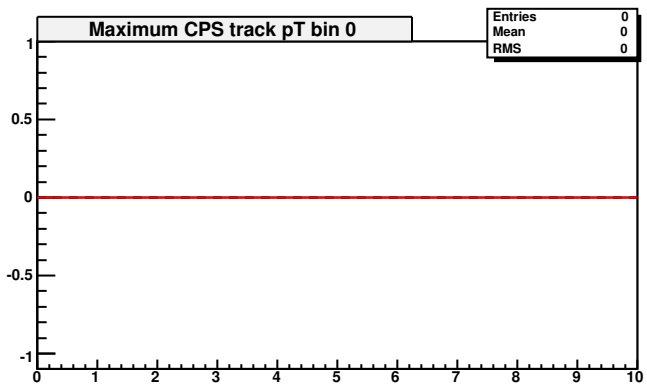


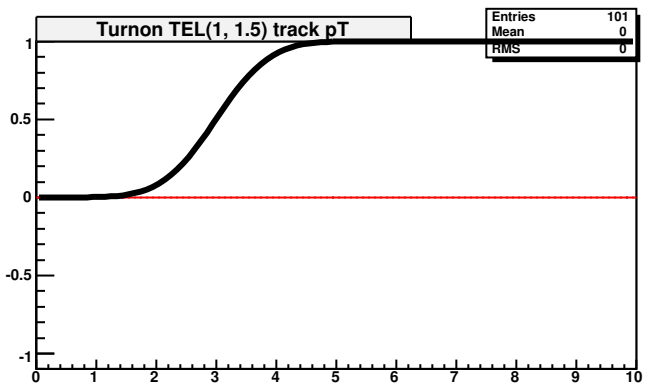


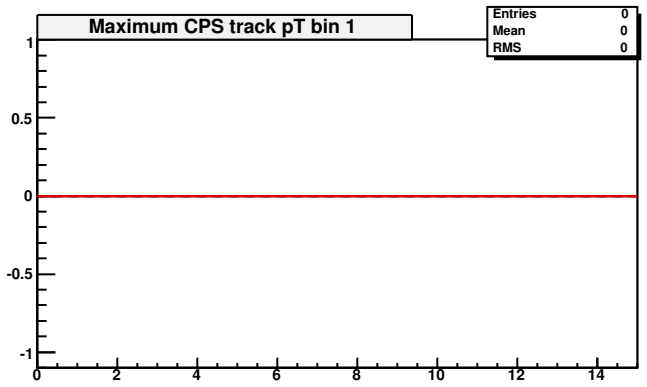


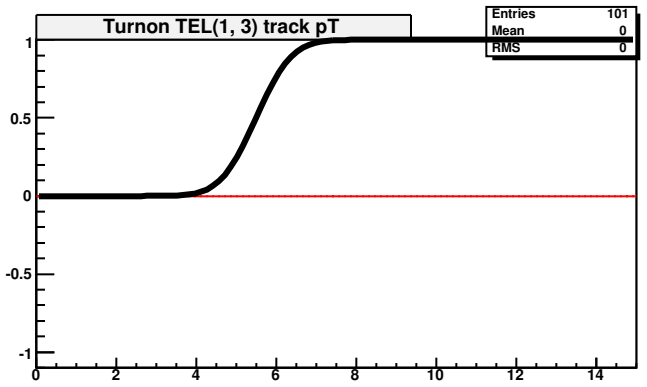


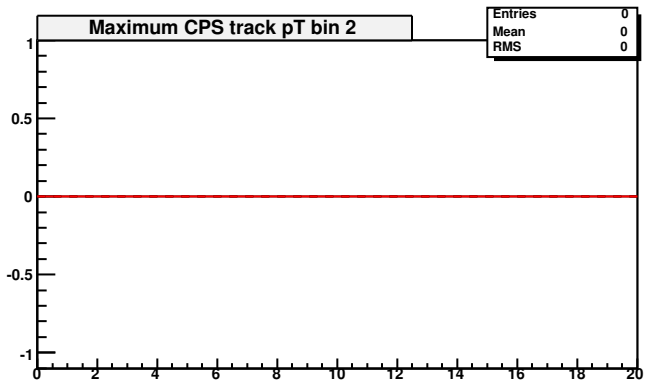
TIS Turnon curves (L1CTT All)

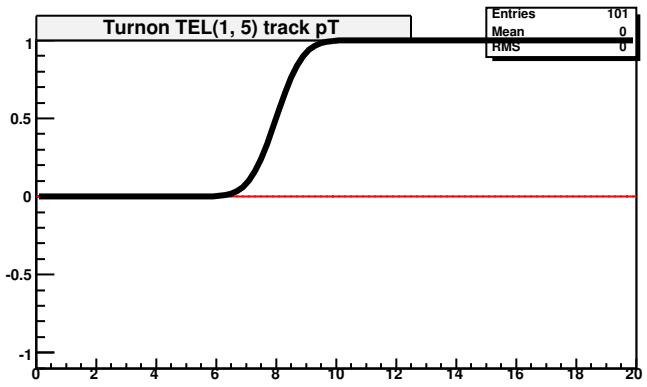


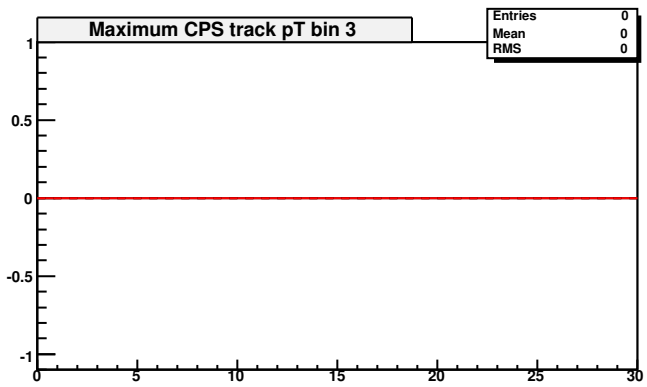


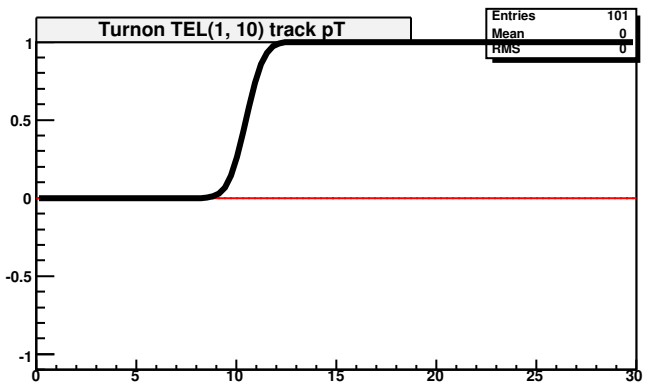




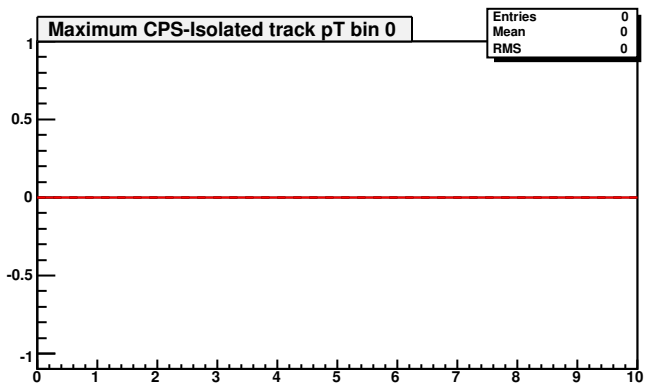


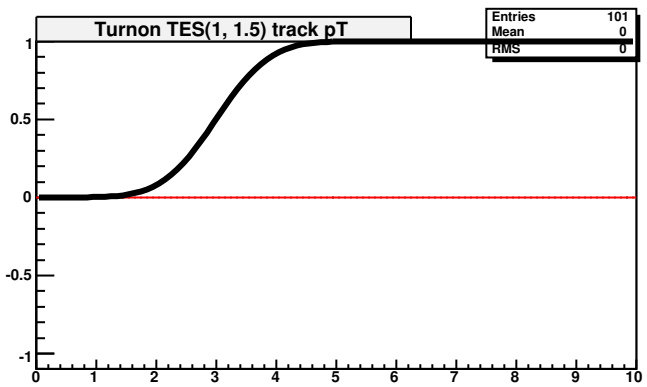


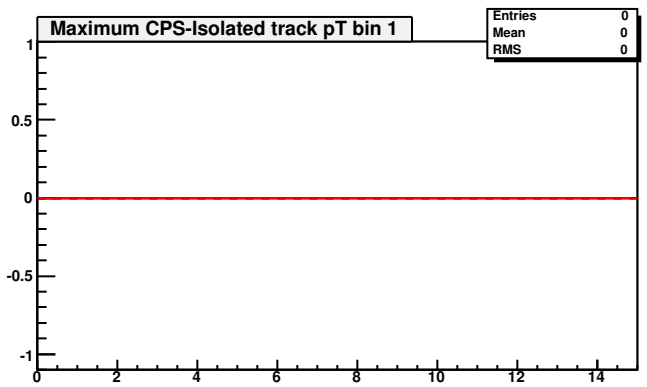


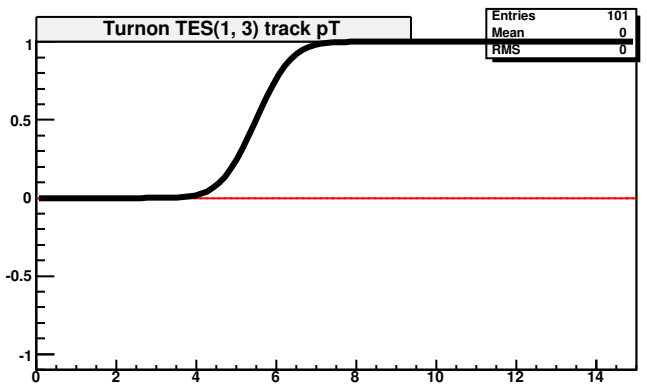


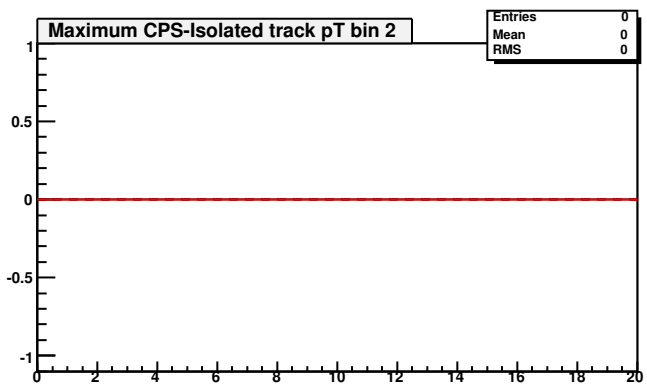
TEL Turnon curves (L1CTT All)

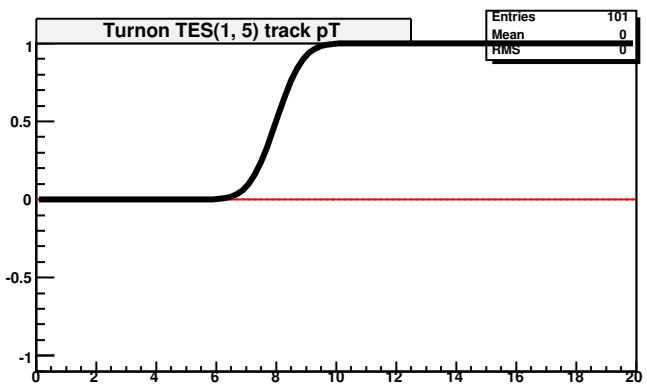


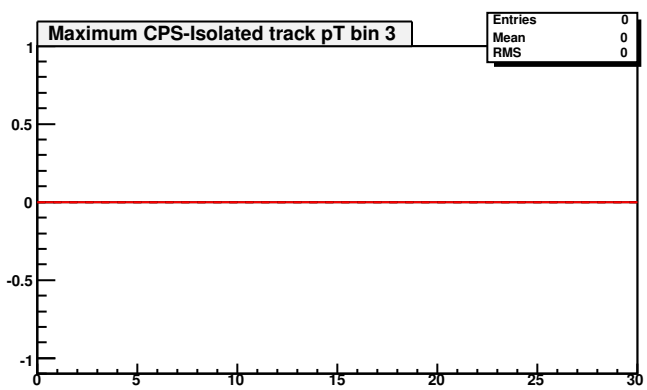


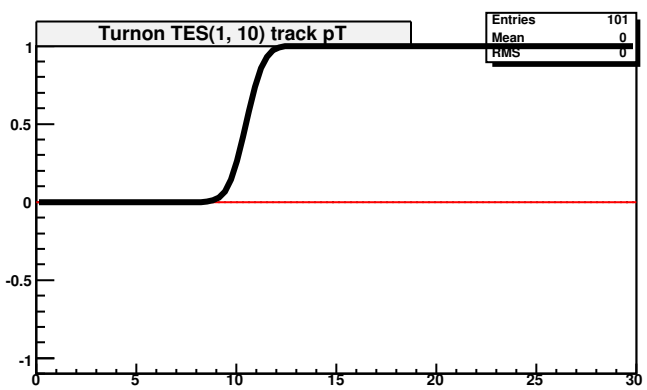




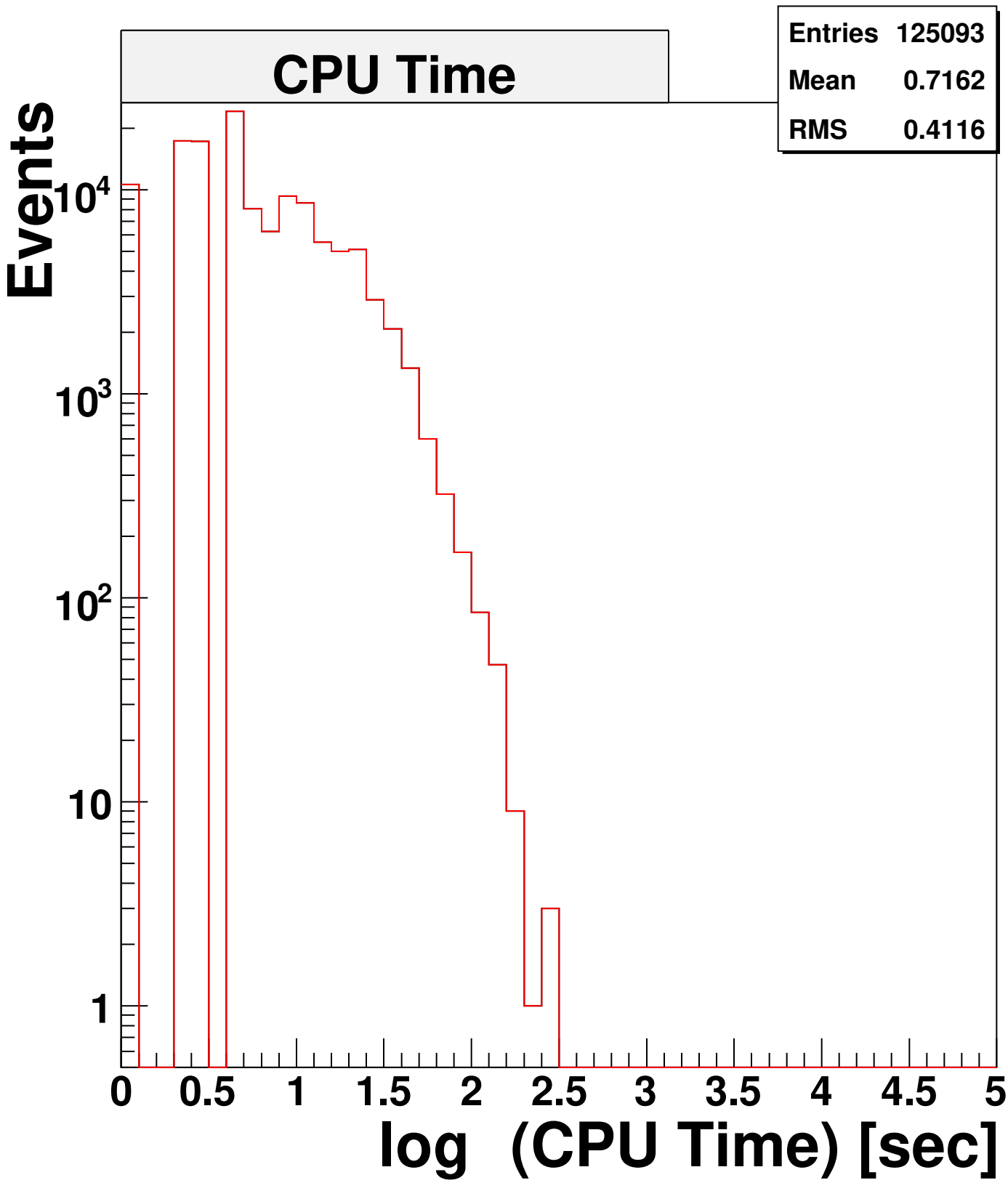








TES Turnon curves (L1CTT All)



RECO Performance (Timing)