dayset-2006-08-26-all_3-224617-0_certification_20070
../../indiana/unmerged/dayset-2006-08-26-all_3-224617

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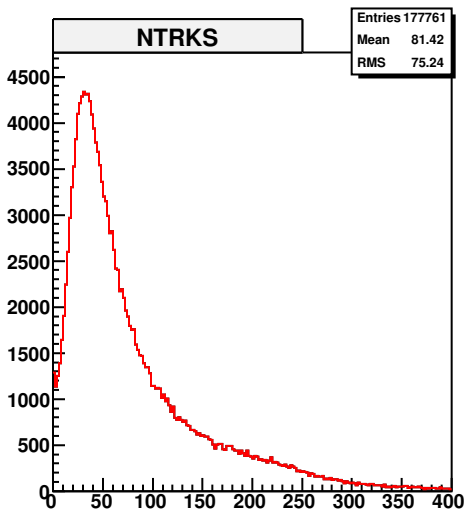
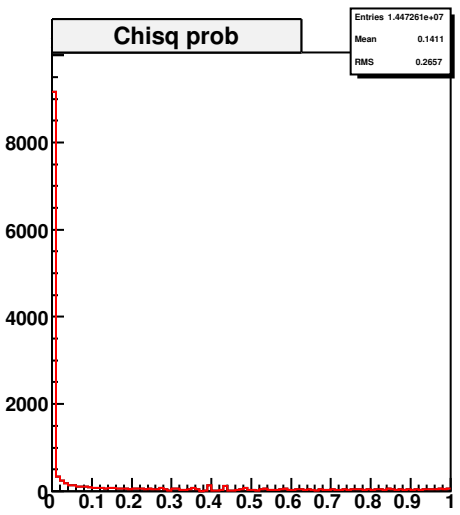
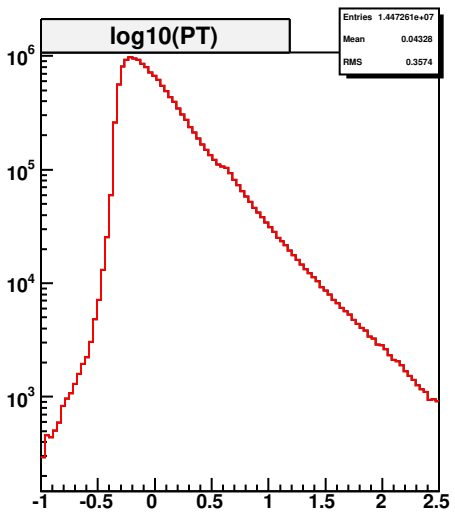
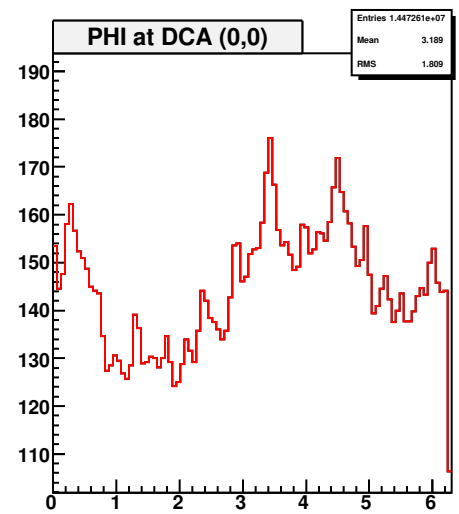
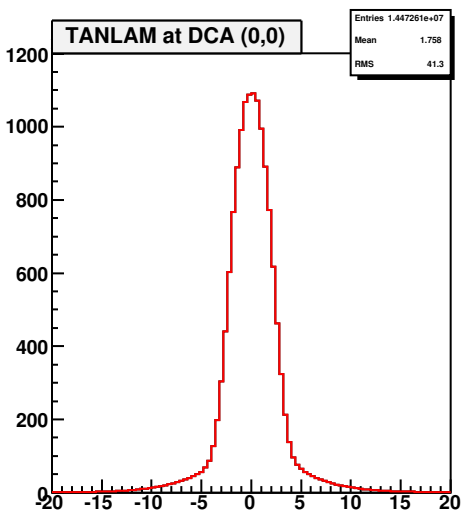
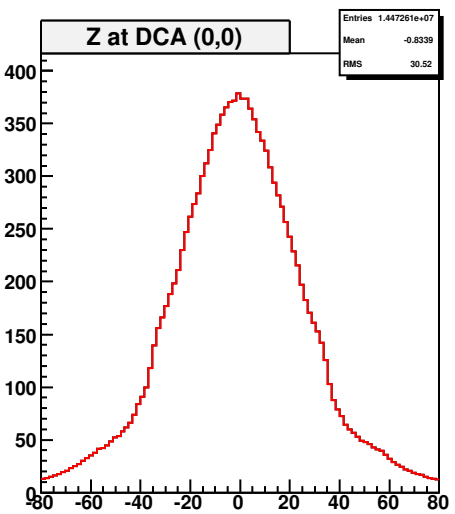

NTRKS
Entries 177761
Mean 81.42
RMS 75.24

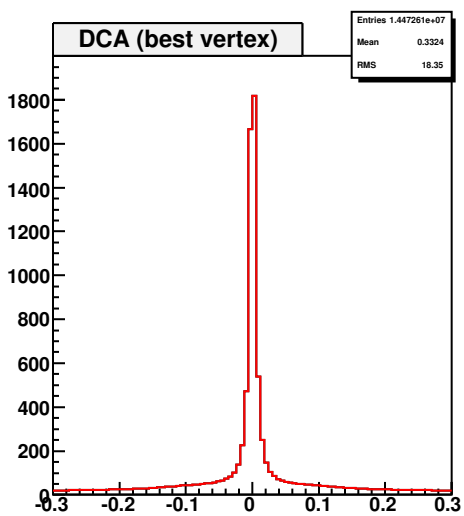

Chisq prob
Entries 1.447261e+07
Mean 0.1411
RMS 0.2657

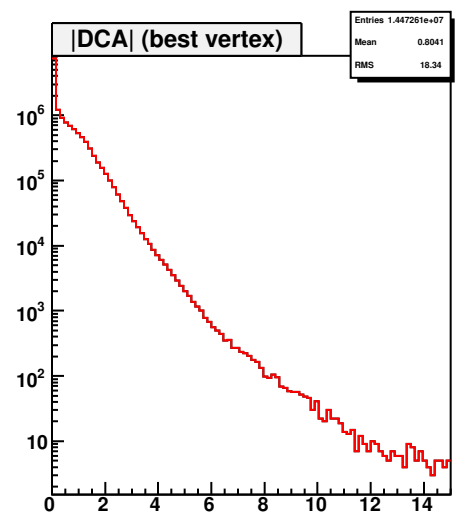

log10(PT)
Entries 1.447261e+07
Mean 0.04328
RMS 0.3574

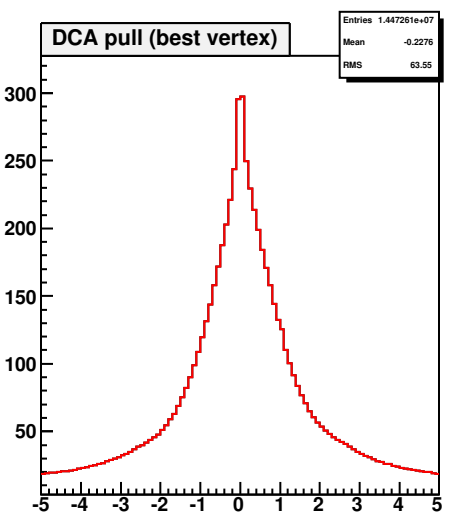

PHI at DCA (0,0)
Entries 1.447261e+07
Mean 3.189
RMS 1.809


TANLAM at DCA (0,0)
Entries 1.447261e+07
Mean 1.758
RMS 41.3

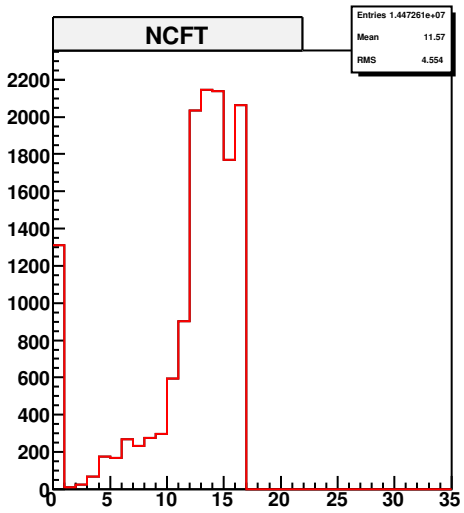

Z at DCA (0,0)
Entries 1.447261e+07
Mean -0.8339
RMS 30.52

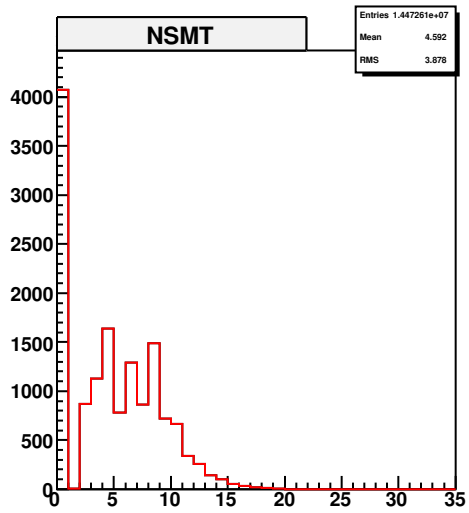

DCA (best vertex)
Entries 1.447261e+07
Mean 0.3324
RMS 18.35

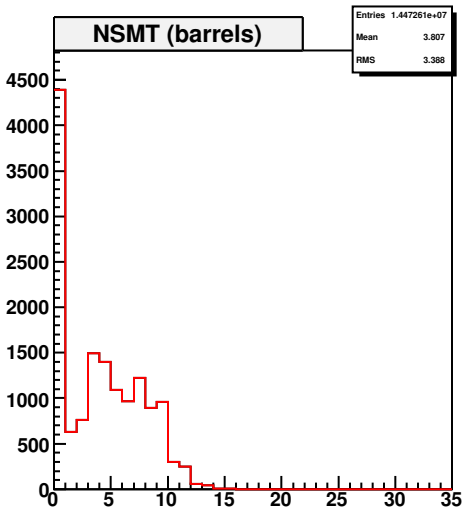

|DCA| (best vertex)
Entries 1.447261e+07
Mean 0.8041
RMS 18.34

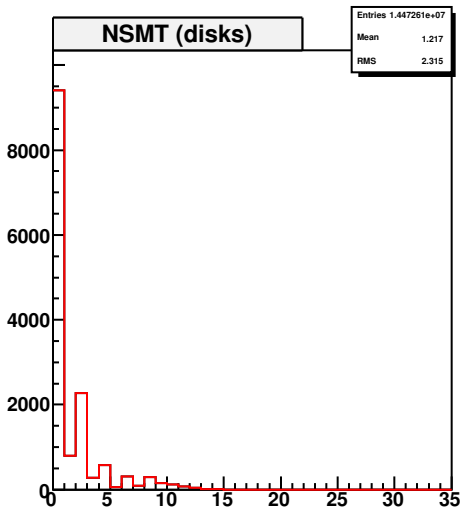

DCA pull (best vertex)
Entries 1.447261e+07
Mean -0.2276
RMS 63.55

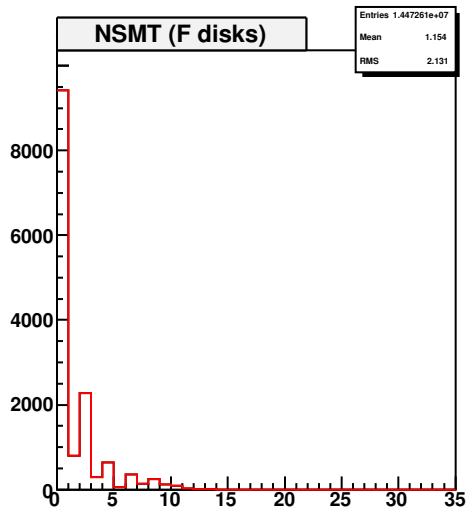
Tracks (All)

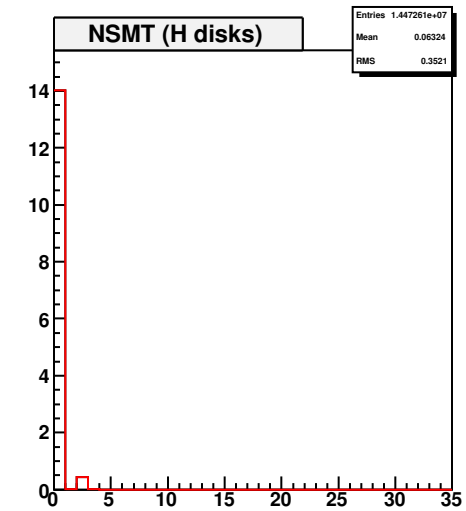


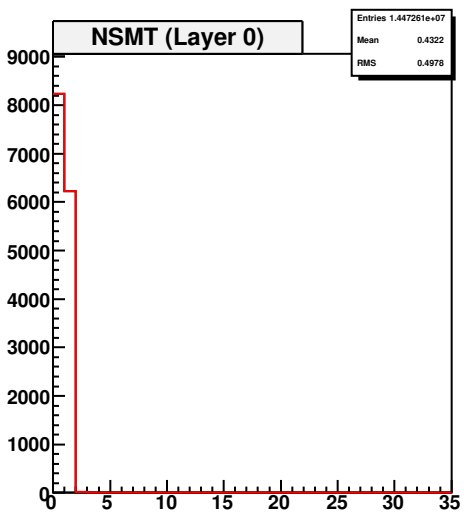




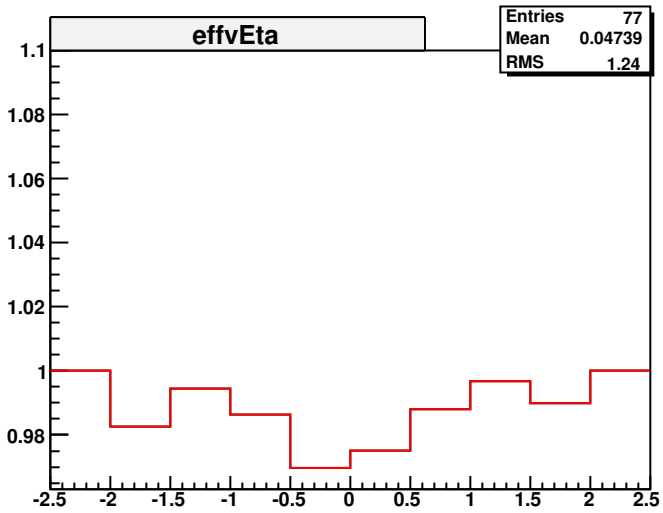


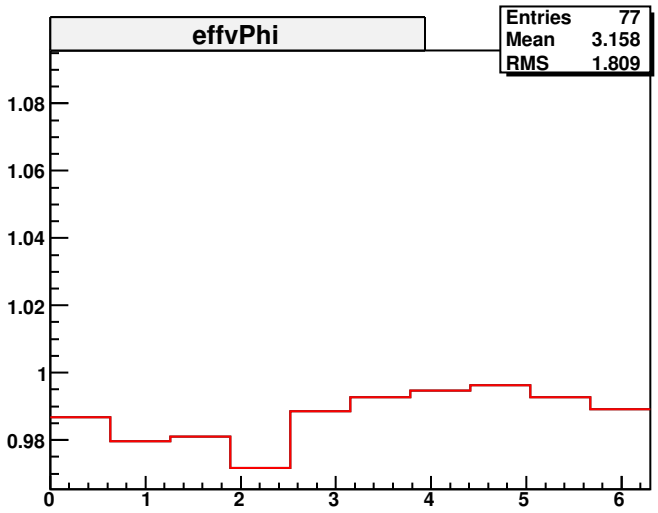


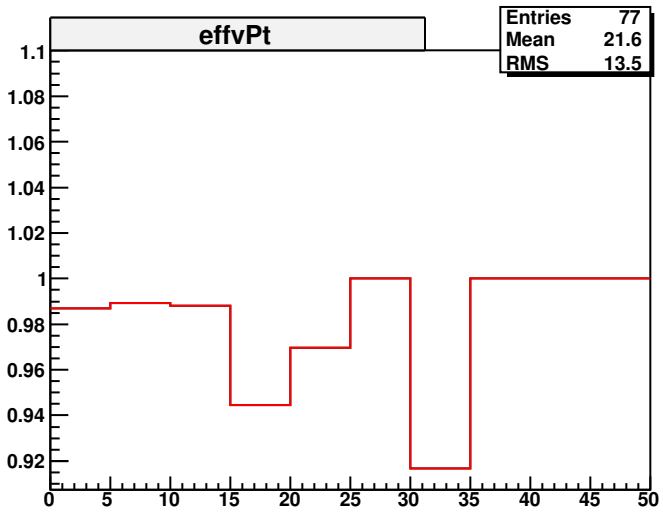


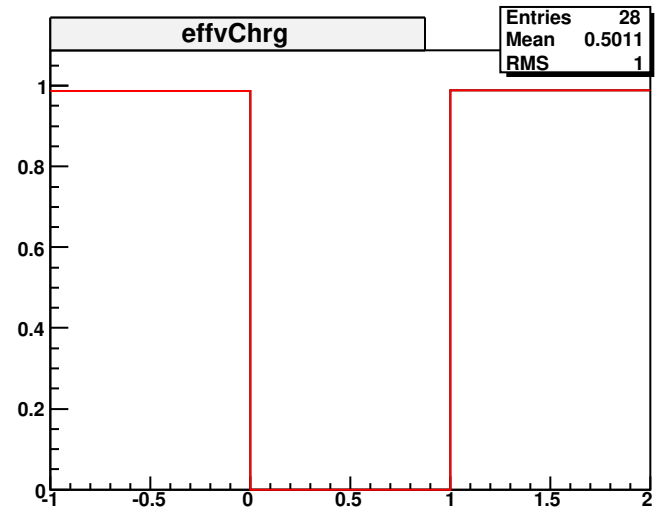


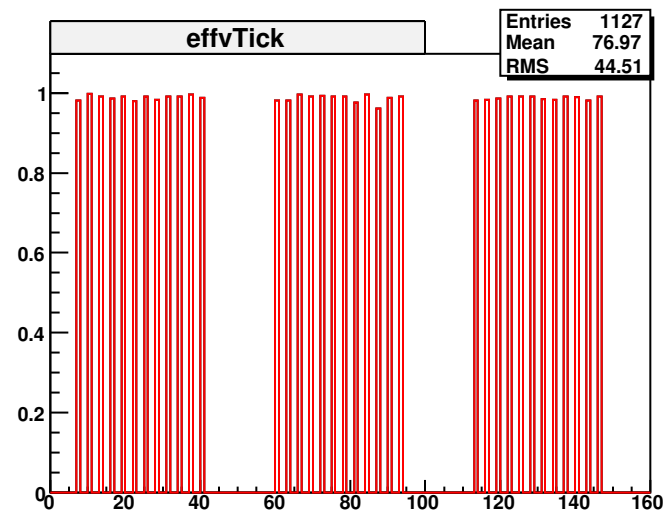
Track Hits (All)

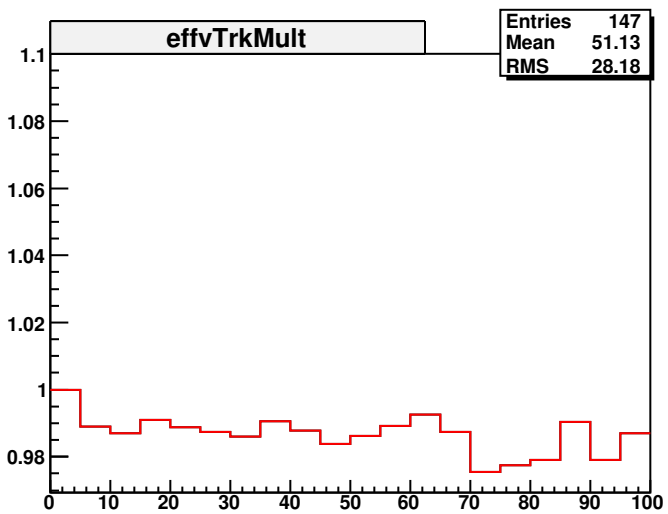




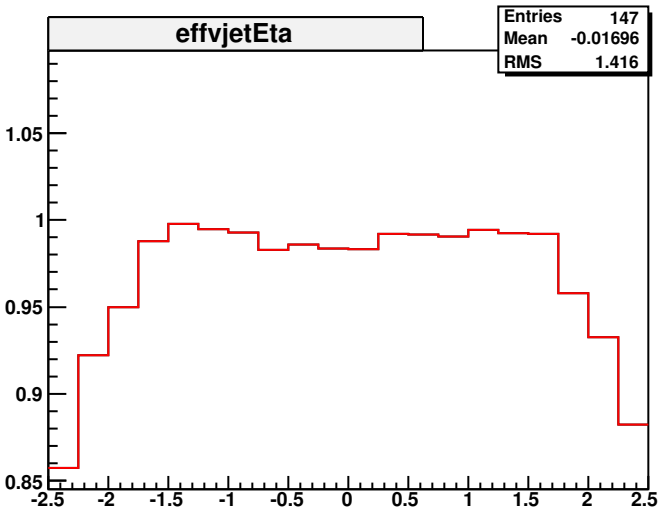


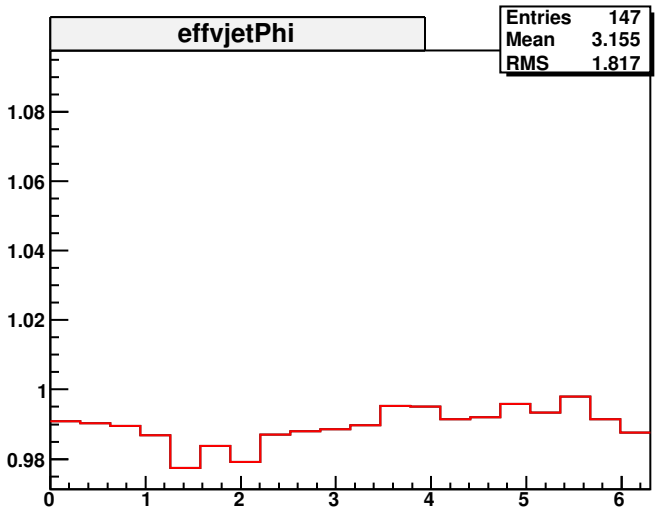


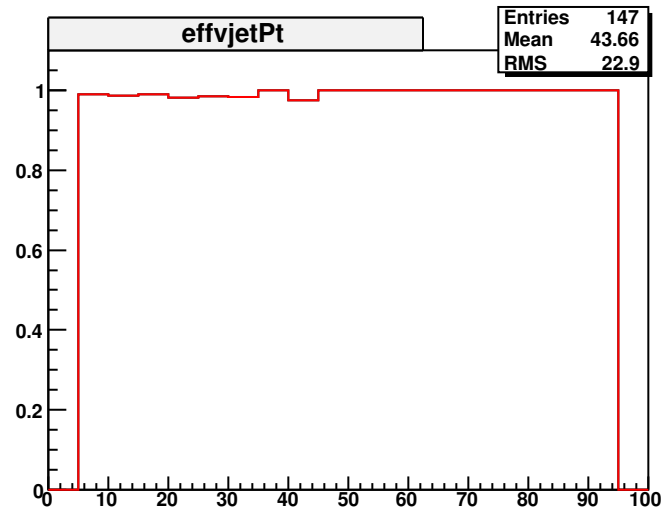


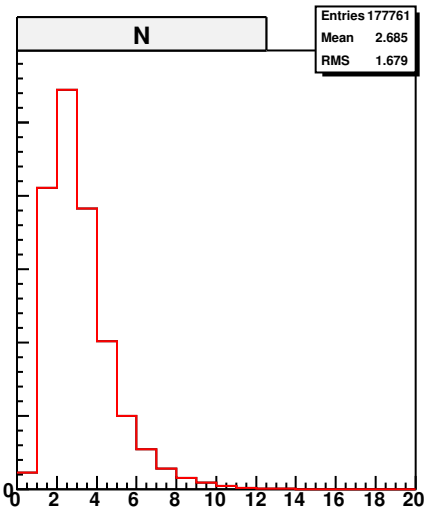


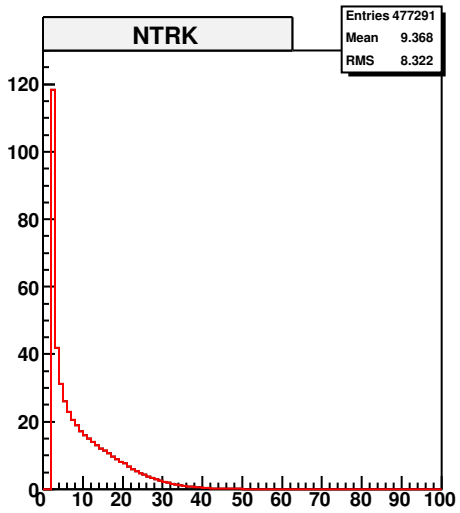
Tracking (Efficiency-Isolated)

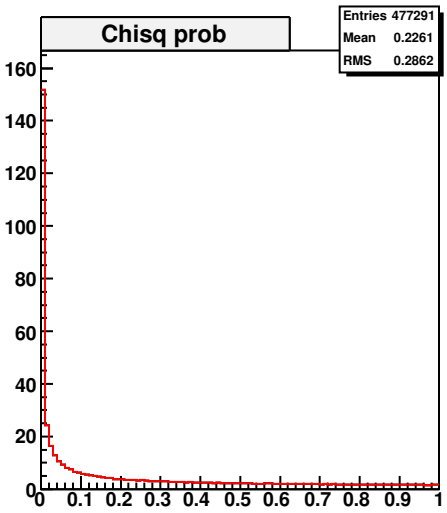

effvjetEta
Entries 147
Mean -0.01696
RMS 1.416
1.05
1
0.95
0.9
0.85
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

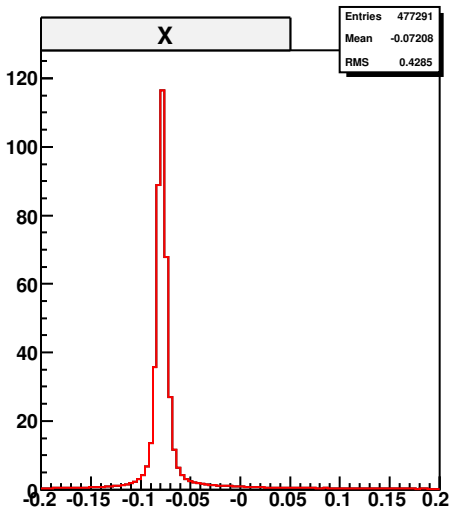

effvjetPhi
Entries 147
Mean 3.155
RMS 1.817
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

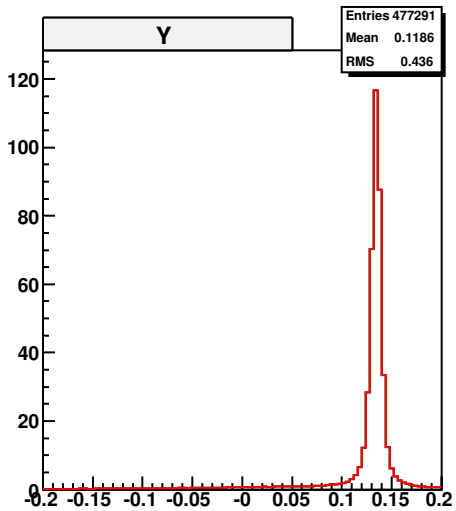

effvjetPt
Entries 147
Mean 43.66
RMS 22.9
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

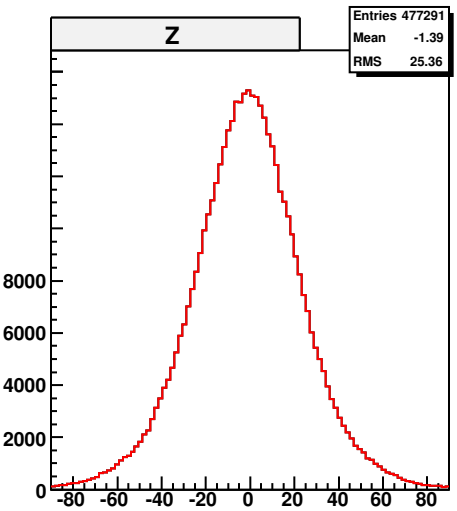




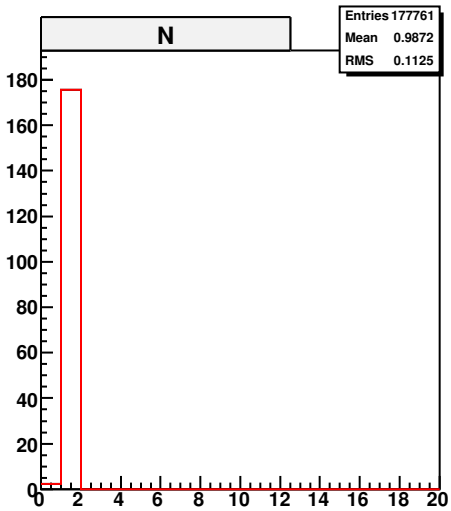


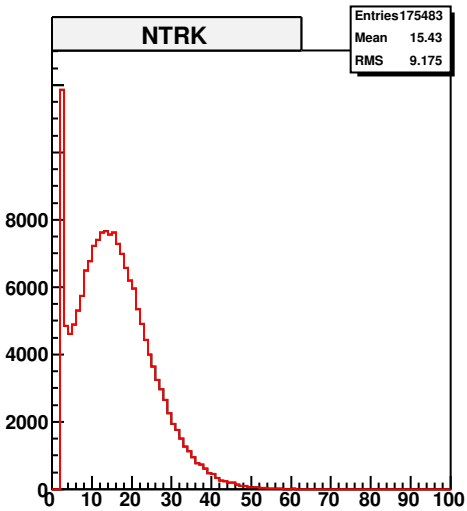


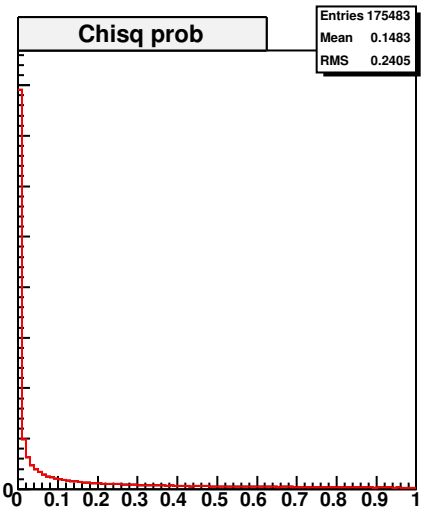


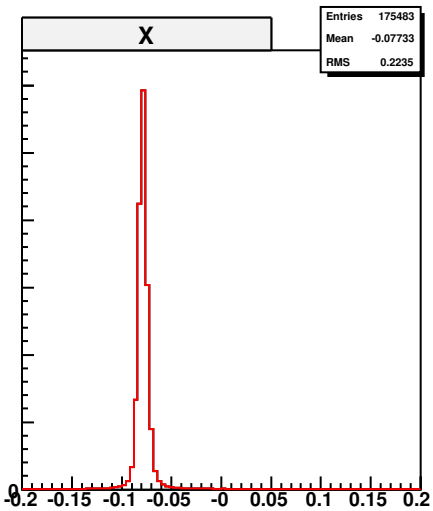


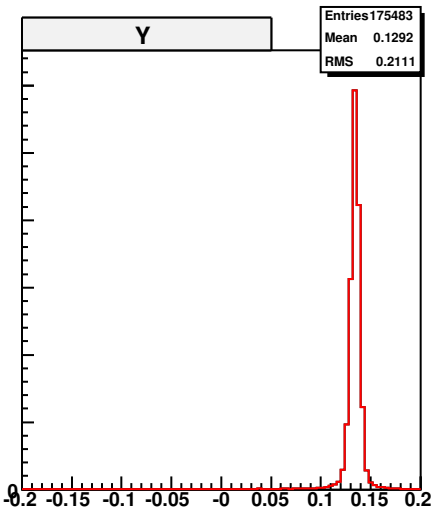
Vertices (Primary - all candidates)

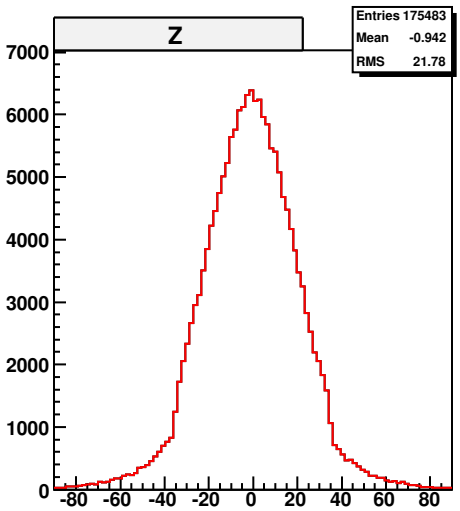




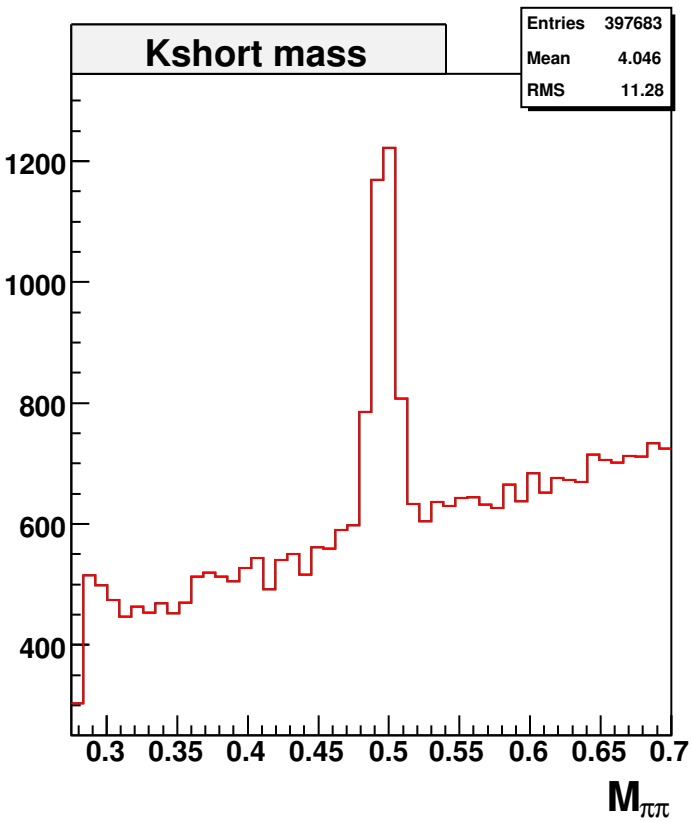


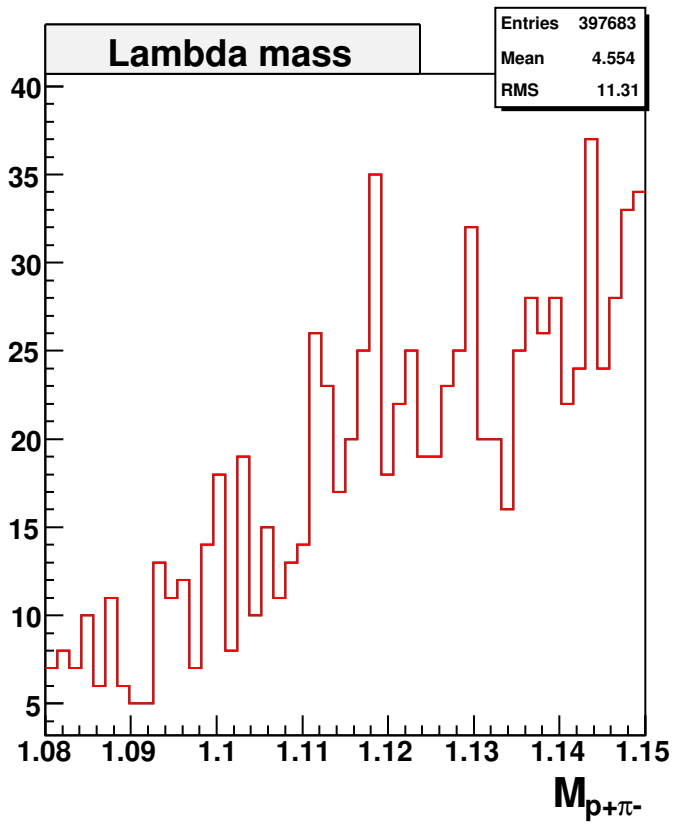


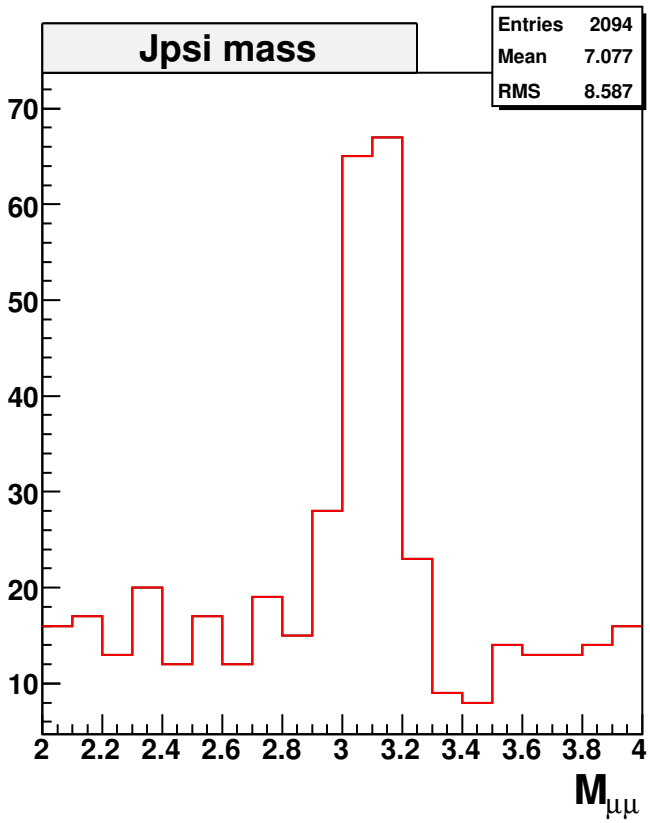


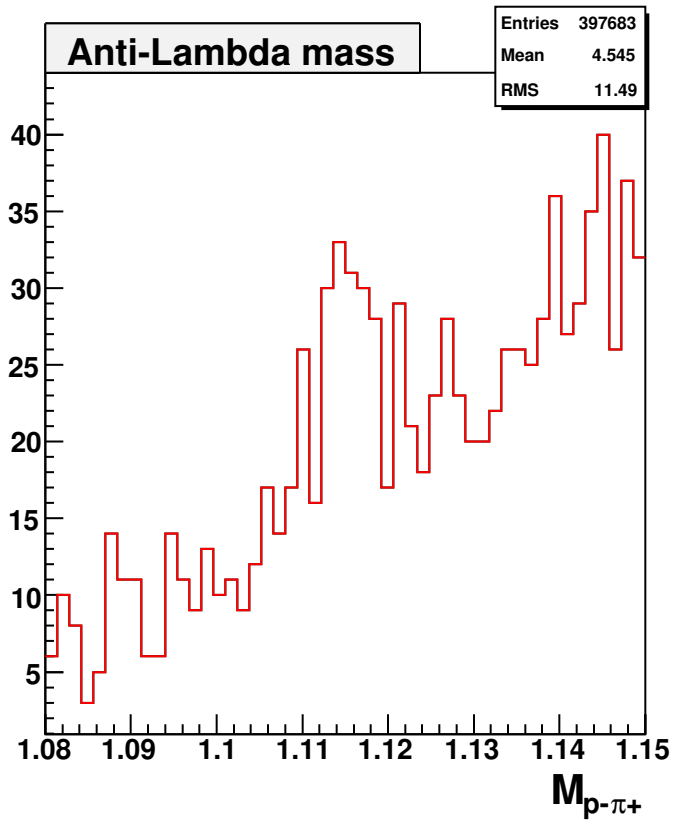


Vertices (Primary - best)

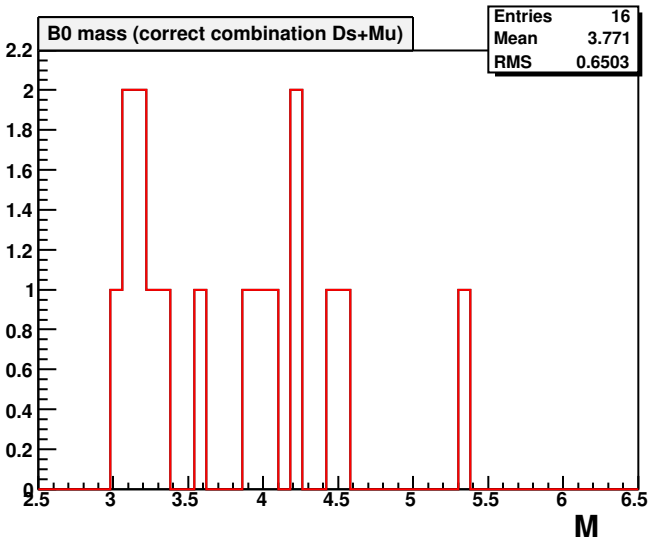

Kshort mass
Entries 397683
Mean 4.046
RMS 11.28
1200
1000
800
600
400
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

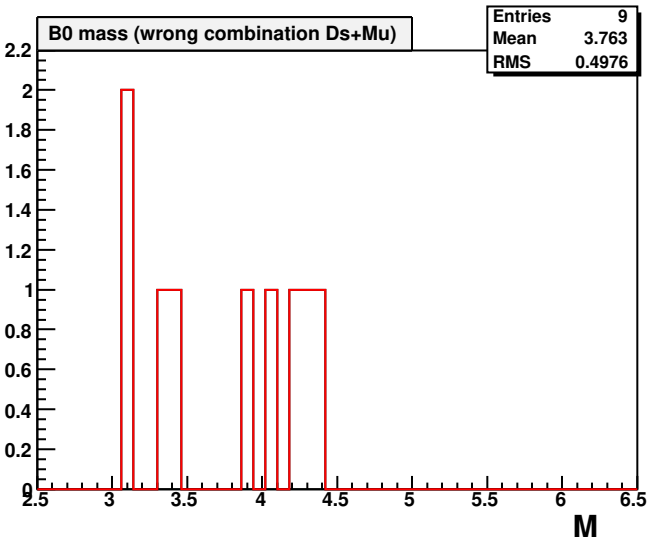

Lambda mass
Entries 397683
Mean 4.554
RMS 11.31
40
35
30
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

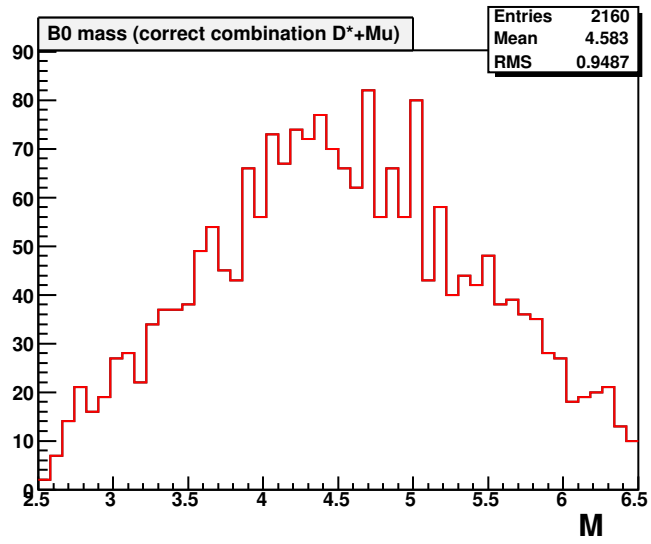

Jpsi mass
Entries 2094
Mean 7.077
RMS 8.587
70
60
50
40
30
20
10
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

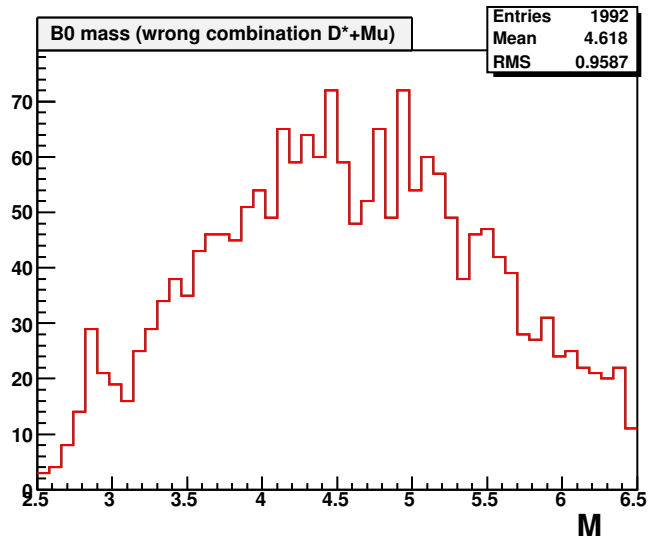

Anti-Lambda mass
Entries 397683
Mean 4.545
RMS 11.49
40
35
30
25
20
15
10
5
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

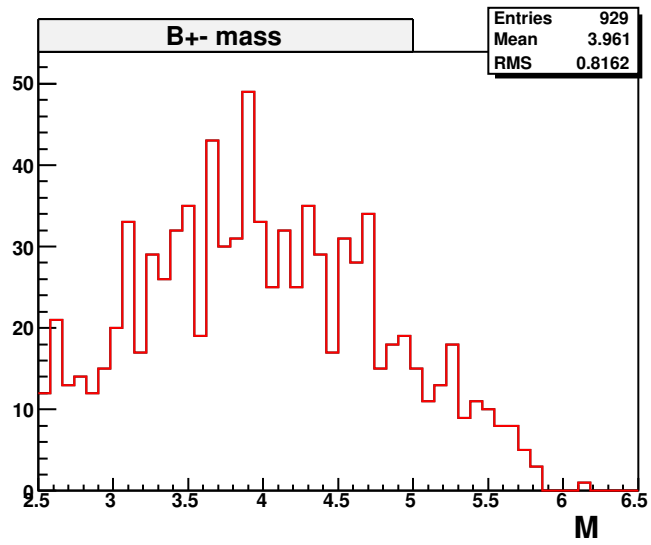
V0 (All)



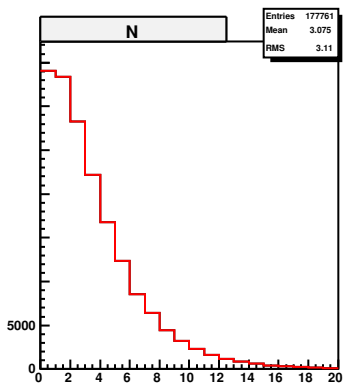


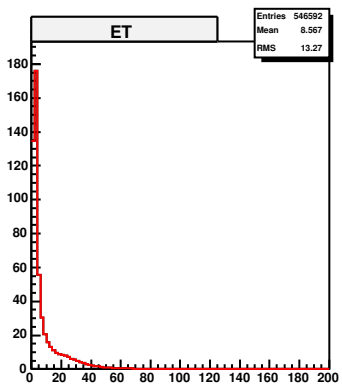


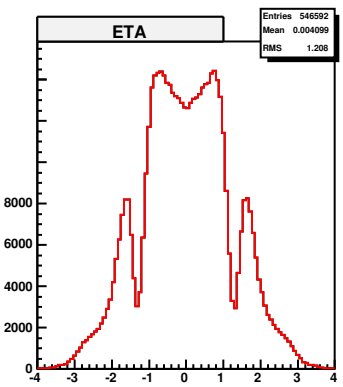


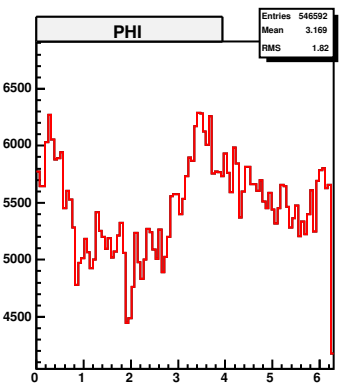


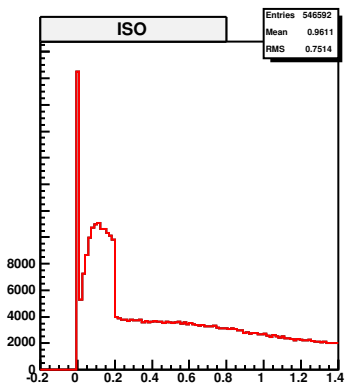
V0(B mesons) (All)

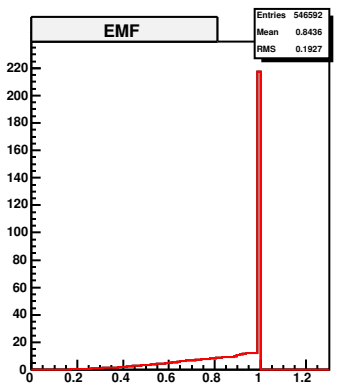


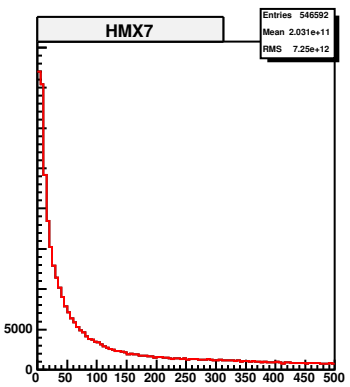


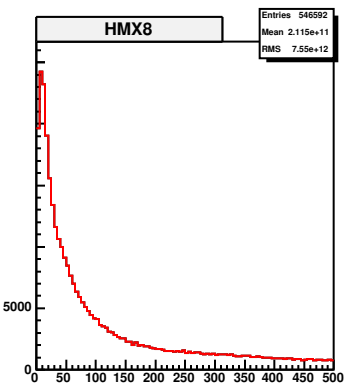


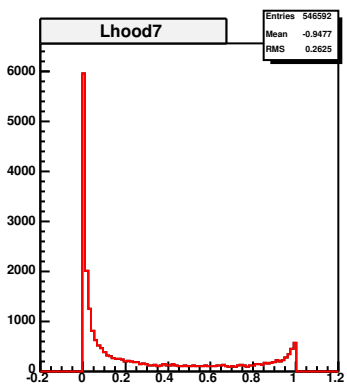


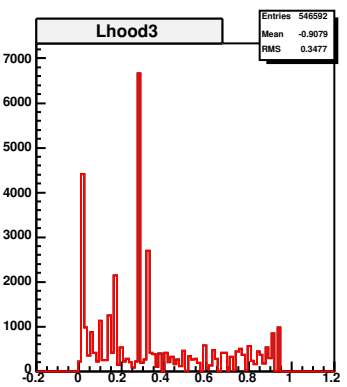


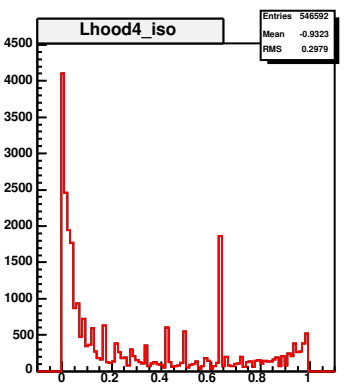


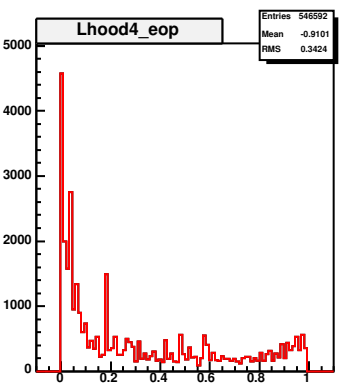


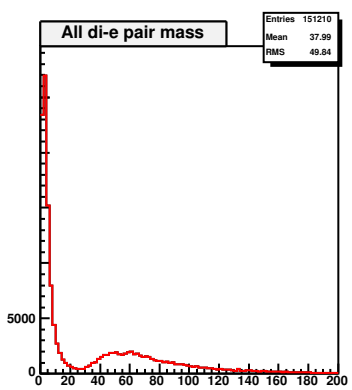


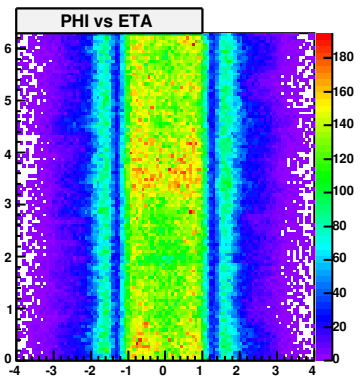


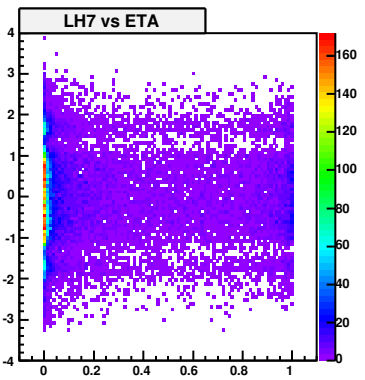


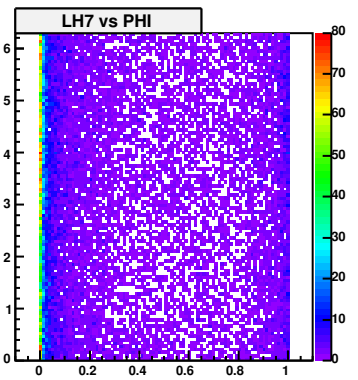




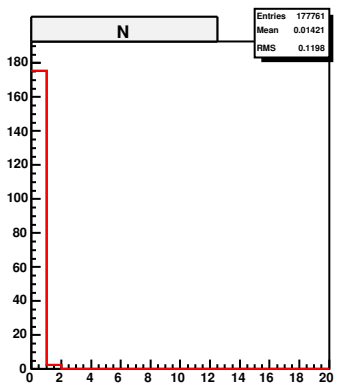


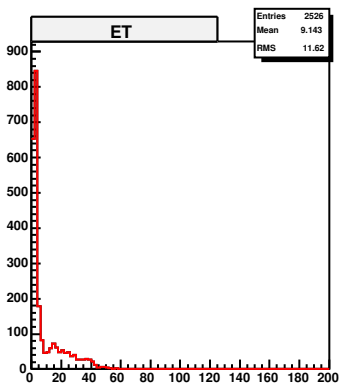


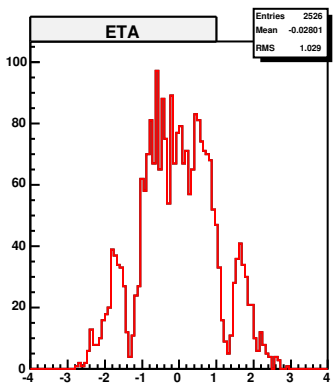


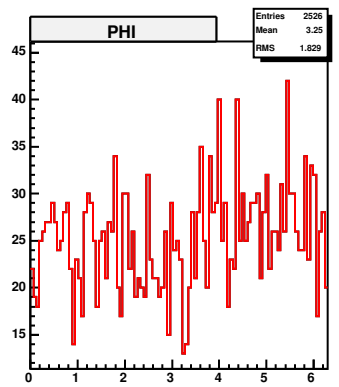


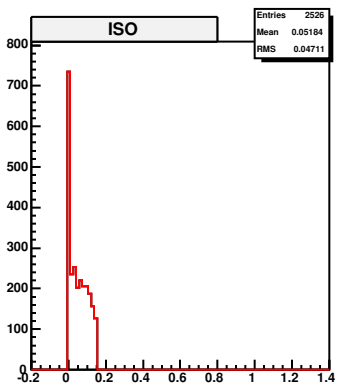
Electrons (SCONE All)

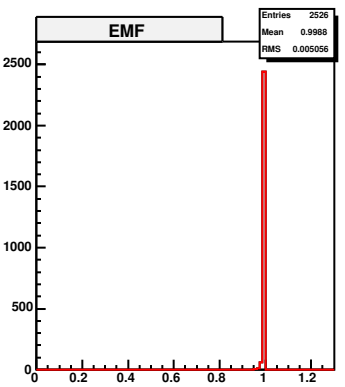


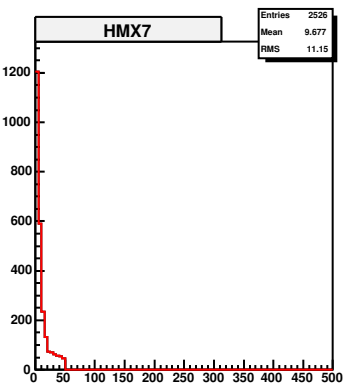


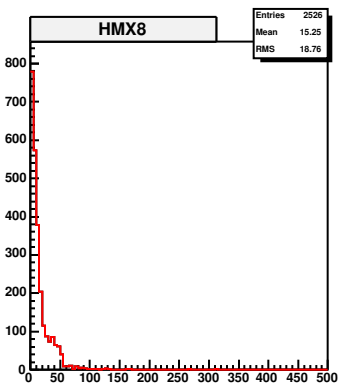


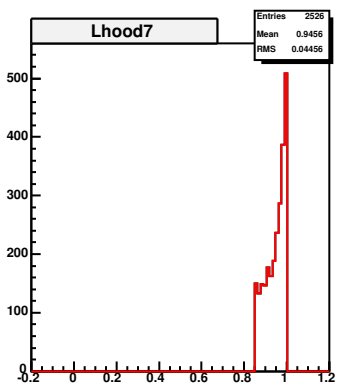


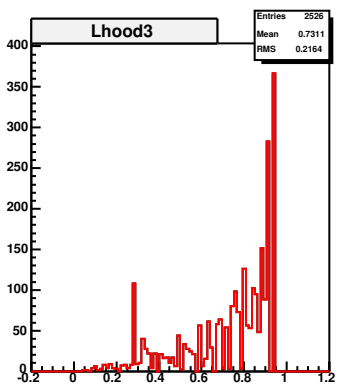


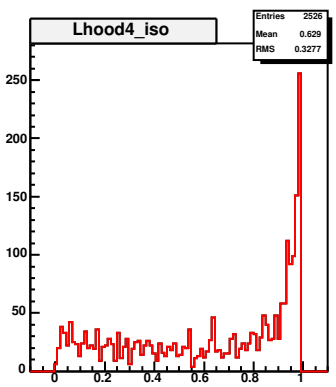


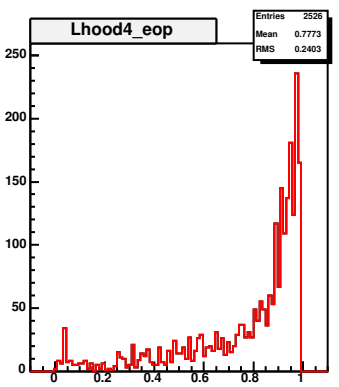


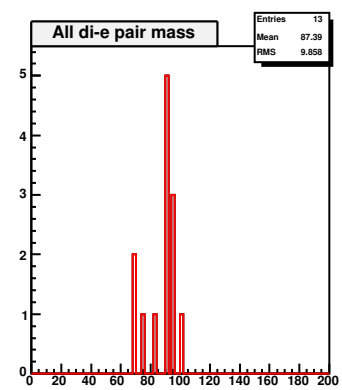


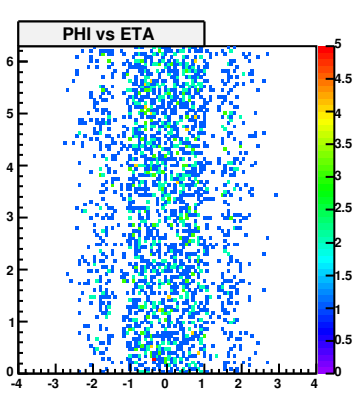


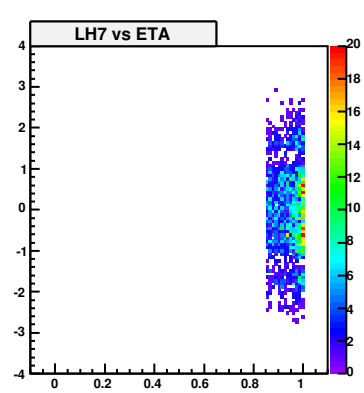


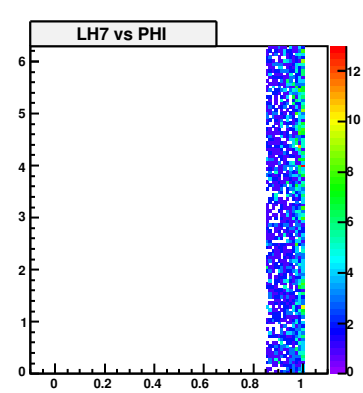




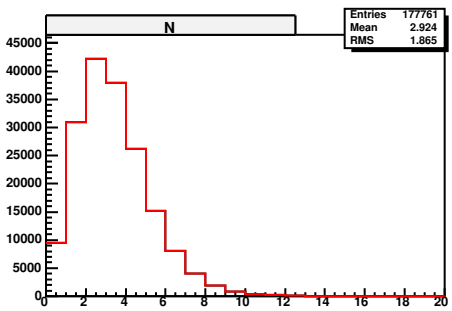


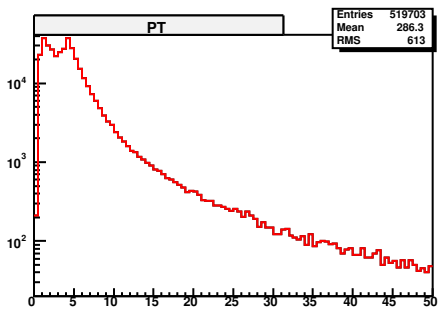


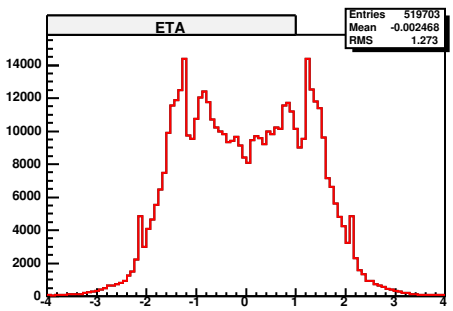


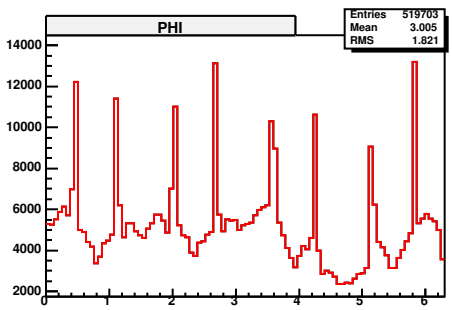


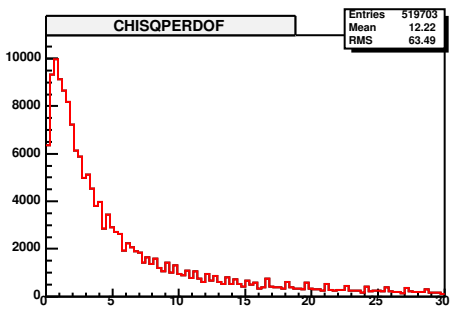
Electrons (SCONE Tight)

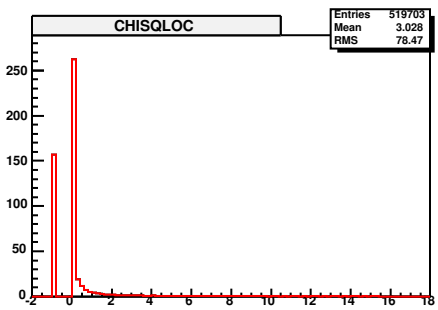

N
Entries 177761
Mean 2.924
RMS 1.865


PT
Entries 519703
Mean 286.3
RMS 613


ETA
Entries 519703
Mean -0.002468
RMS 1.273


PHI
Entries 519703
Mean 3.005
RMS 1.821


CHISQPERDOF
Entries 519703
Mean 12.22
RMS 63.49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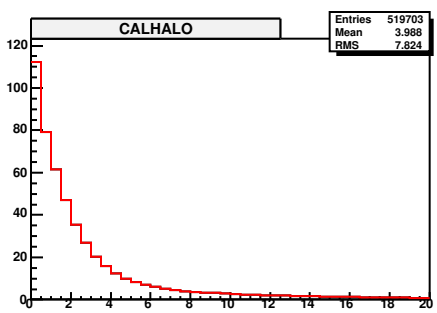
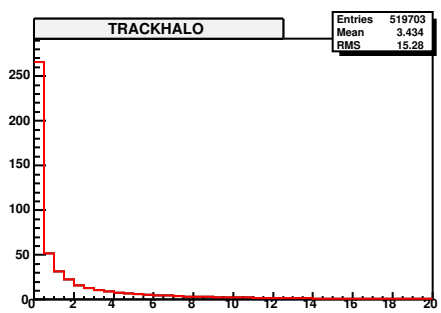
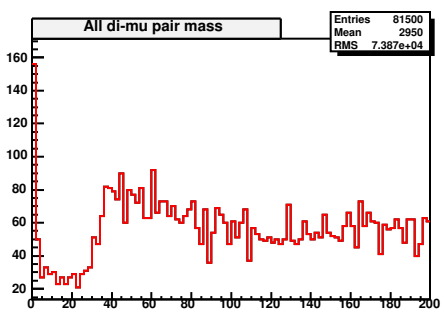
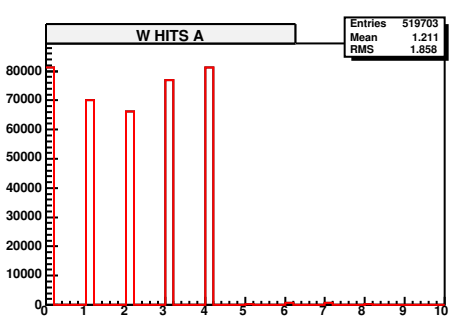
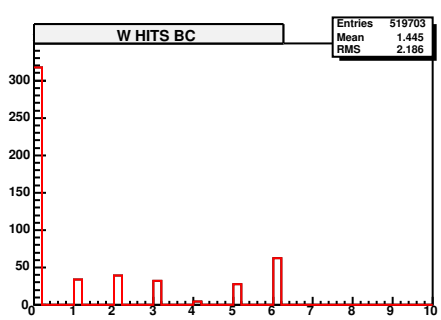
Entries 519703
Mean 3.028
RMS 78.47

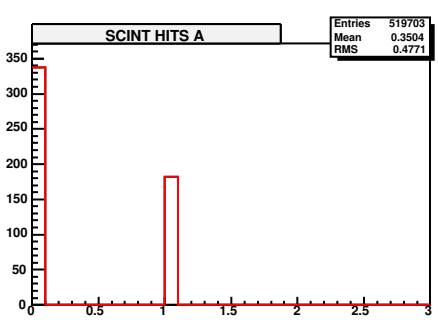

CALHALO
Entries 519703
Mean 3.988
RMS 7.824

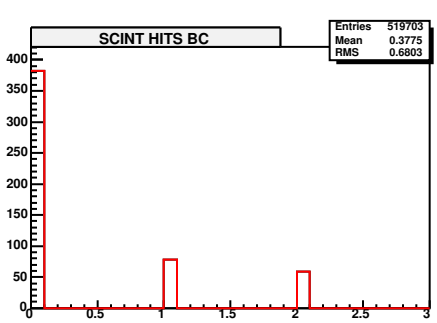

TRACKHALO
Entries 519703
Mean 3.434
RMS 15.28


All di-mu pair mass
Entries 81500
Mean 2950
RMS 7.387e+04

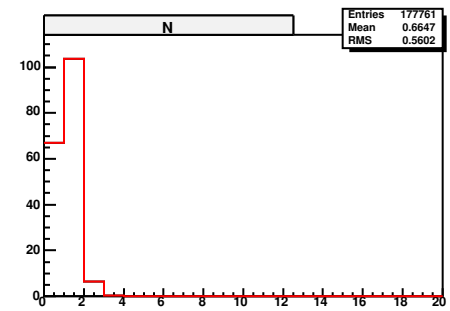

W HITS A
Entries 519703
Mean 1.211
RMS 1.858

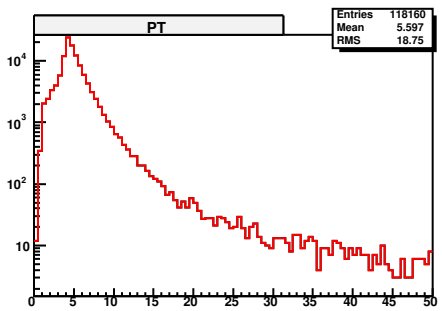

W HITS BC
Entries 519703
Mean 1.445
RMS 2.186

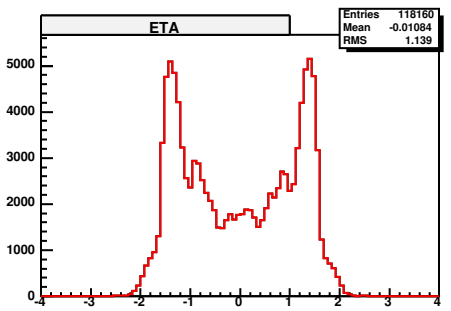

SCINT HITS A
Entries 519703
Mean 0.3504
RMS 0.4771

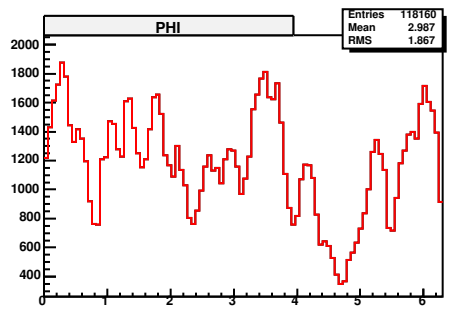

SCINT HITS BC
Entries 519703
Mean 0.3775
RMS 0.6803

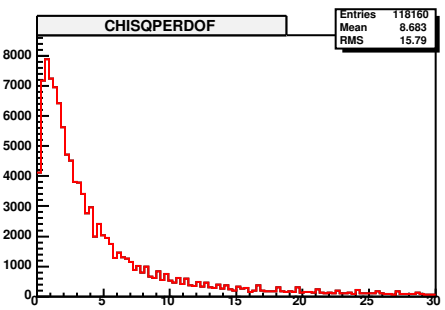
Muons (All)

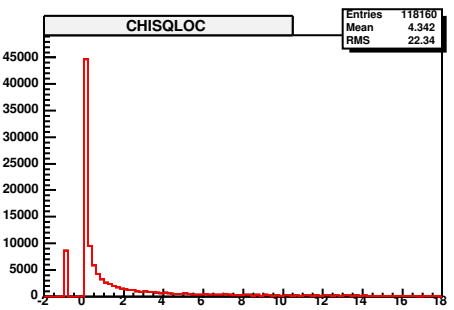


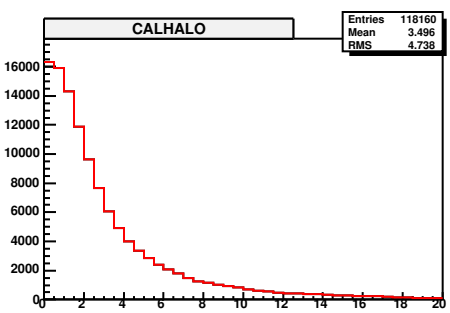


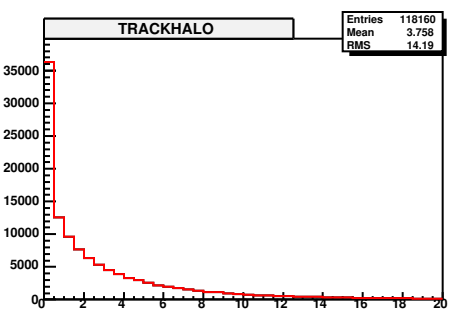


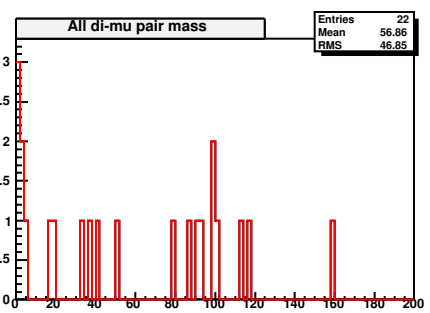


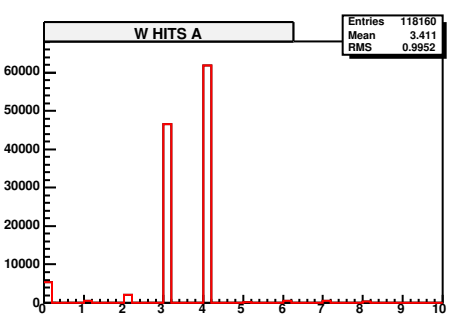


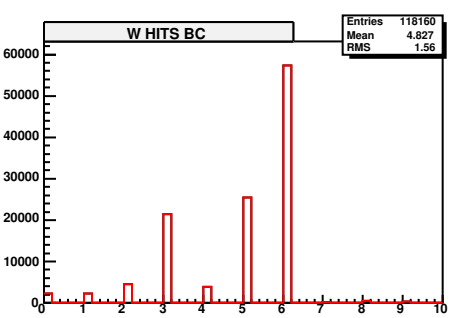


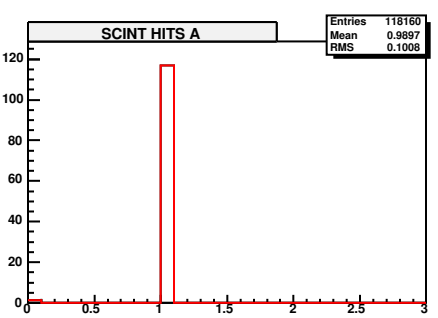


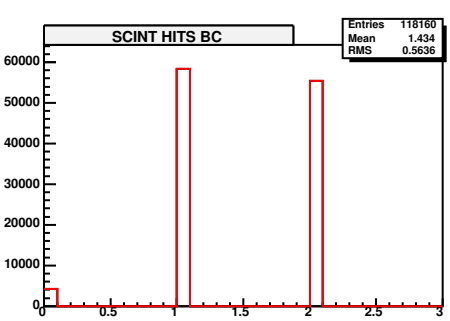




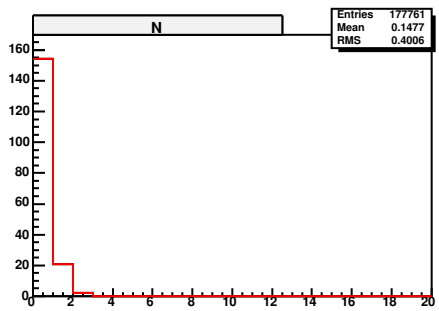


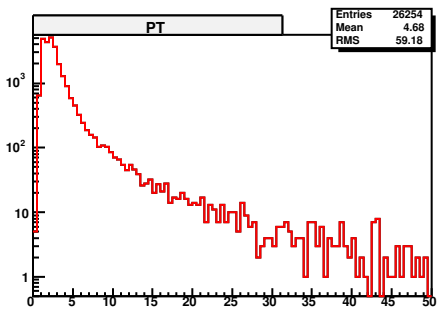


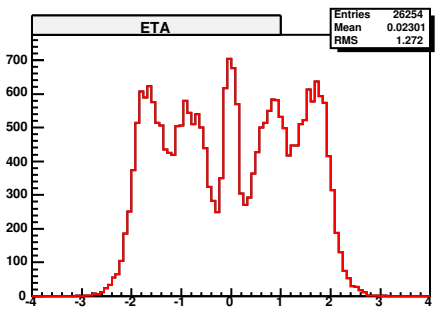


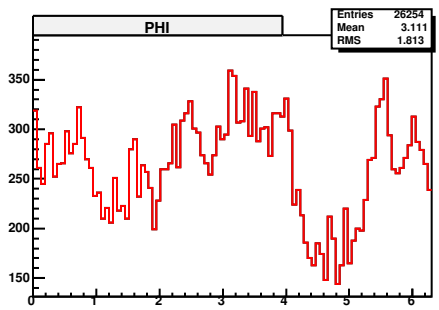


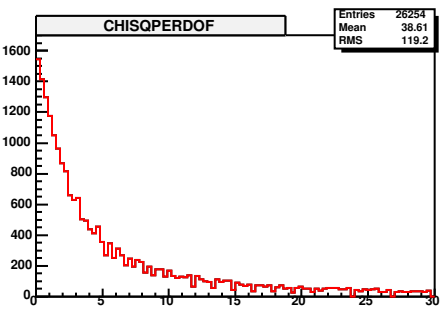
Muons (Matched)

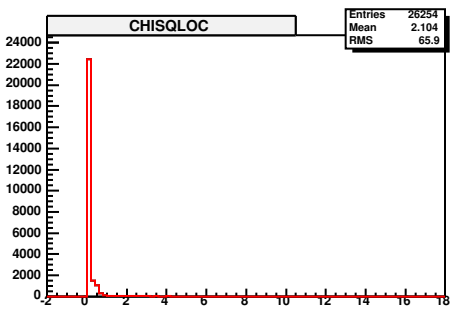

N
Entries 177761
Mean 0.1477
RMS 0.4006

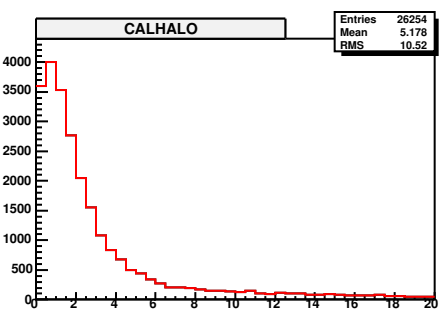

PT
Entries 26254
Mean 4.68
RMS 59.18

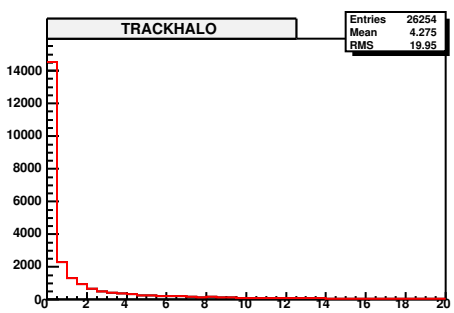

ETA
Entries 26254
Mean 0.02301
RMS 1.272

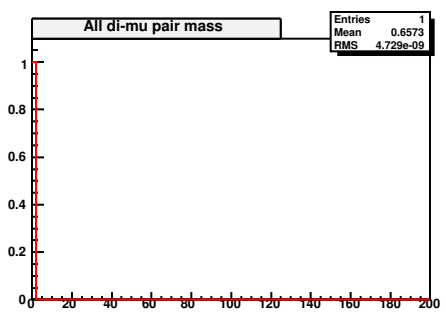

PHI
Entries 26254
Mean 3.111
RMS 1.813

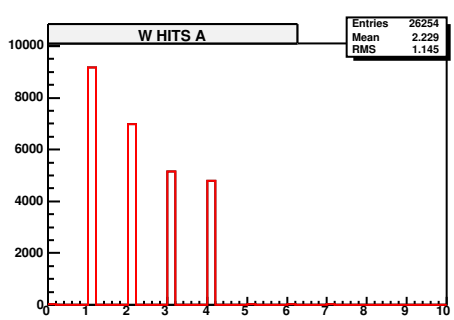

CHISQPERDOF
Entries 26254
Mean 38.61
RMS 119.2

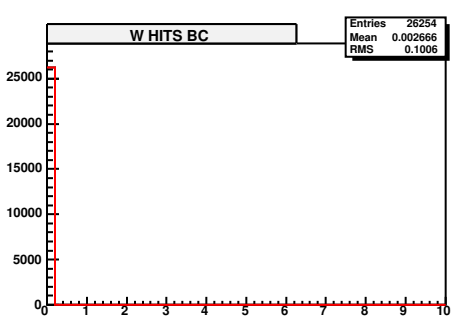

CHISQLOC
Entries 26254
Mean 2.104
RMS 65.9

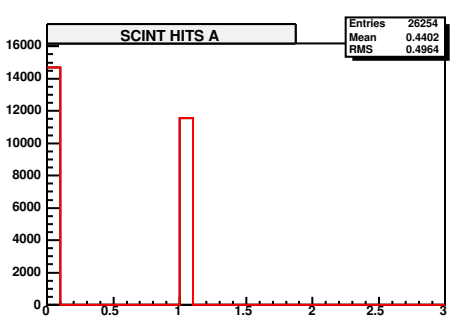

CALHALO
Entries 26254
Mean 5.178
RMS 10.52

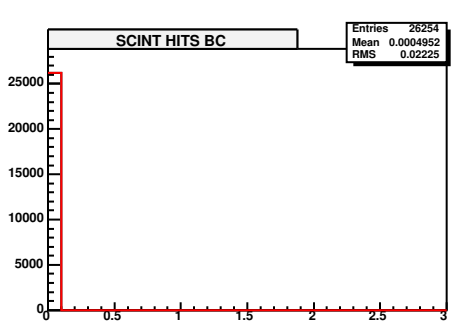

TRACKHALO
Entries 26254
Mean 4.275
RMS 19.95


All di-mu pair mass
Entries 1
Mean 0.6573
RMS 4.729e-09

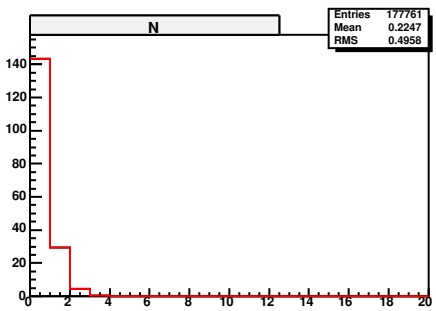

W HITS A
Entries 26254
Mean 2.229
RMS 1.145

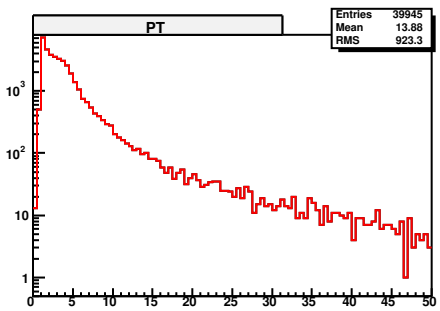

W HITS BC
Entries 26254
Mean 0.002666
RMS 0.1006

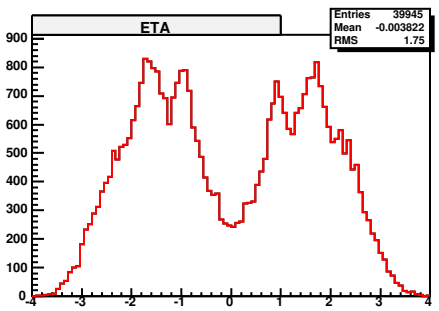

SCINT HITS A
Entries 26254
Mean 0.4402
RMS 0.4964

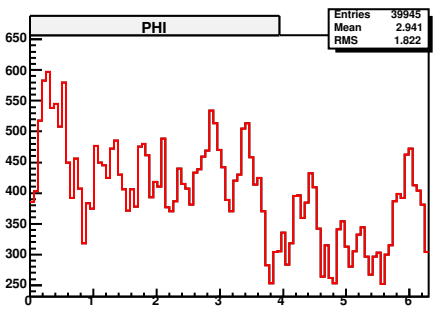

SCINT HITS BC
Entries 26254
Mean 0.0004952
RMS 0.02225

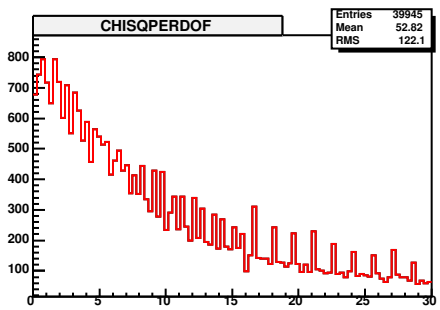
Muons (Astub)

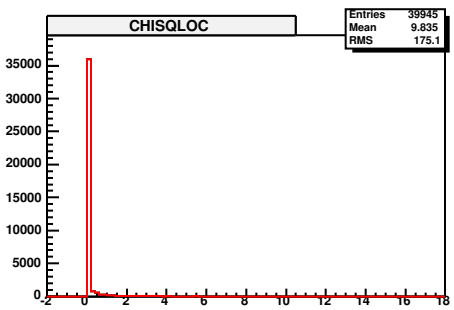


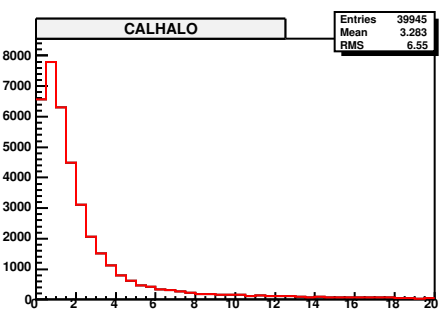


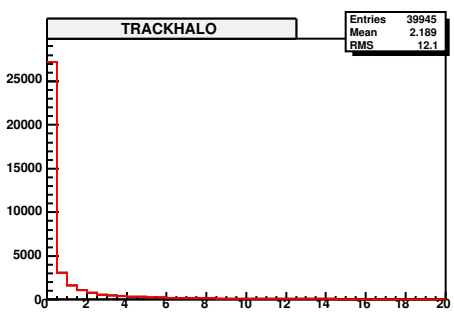


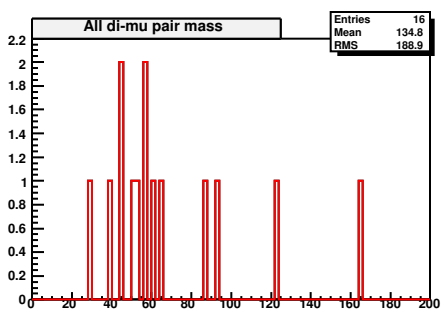


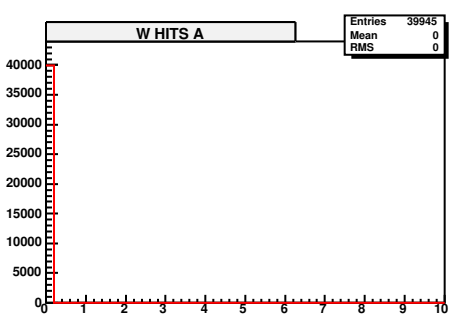


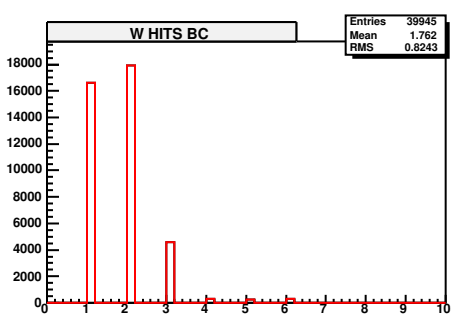


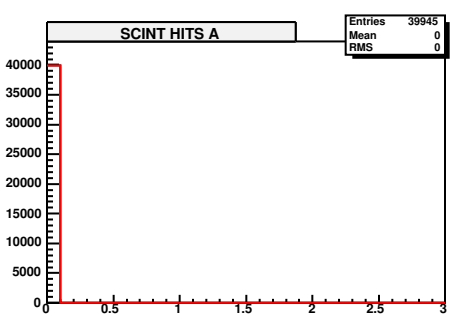


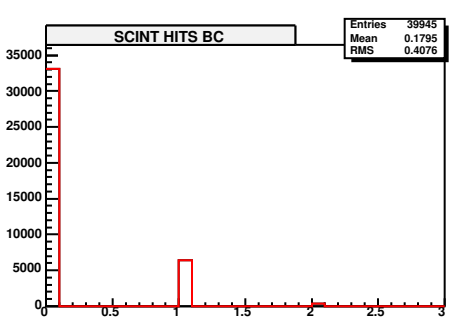




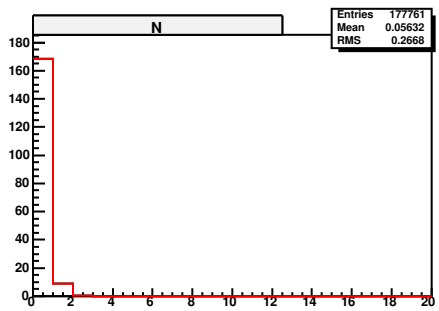


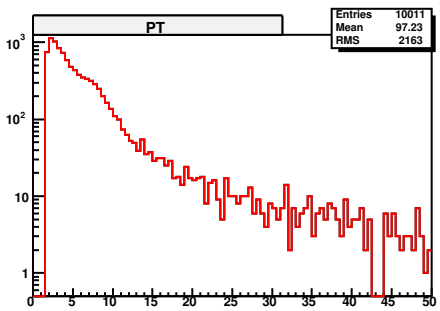


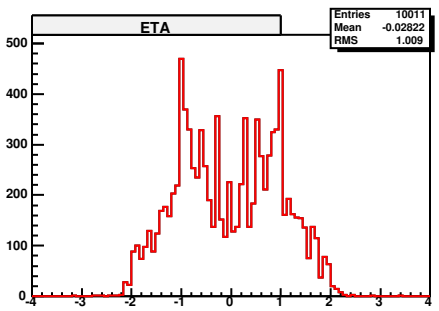


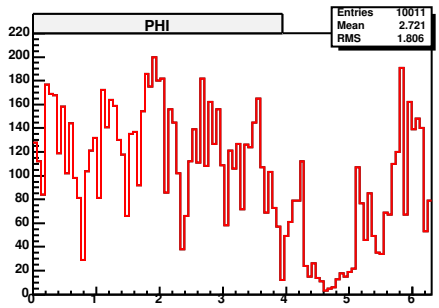


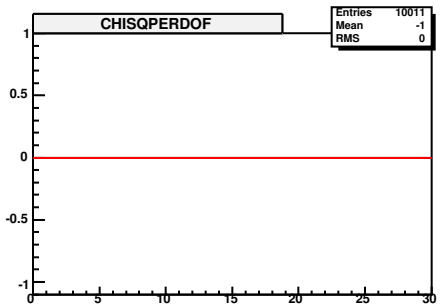
Muons (BCstub)

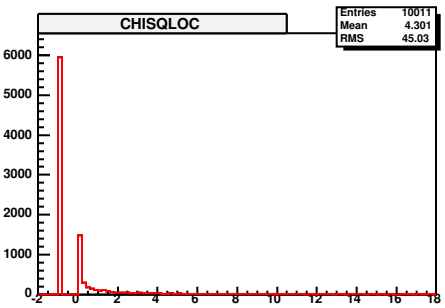


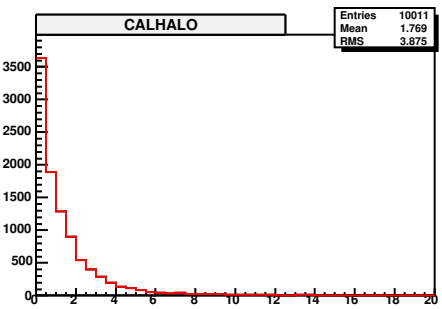


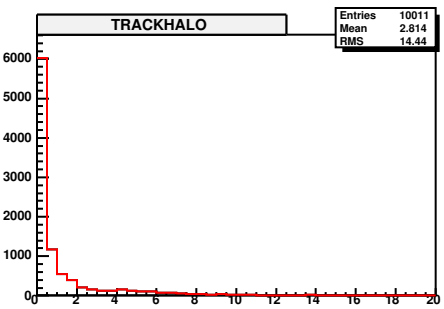


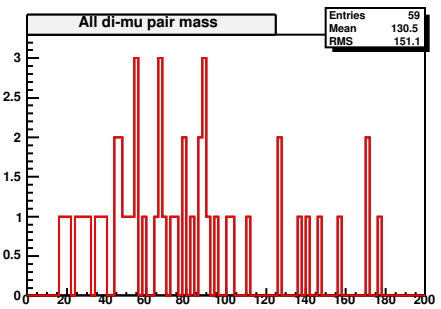


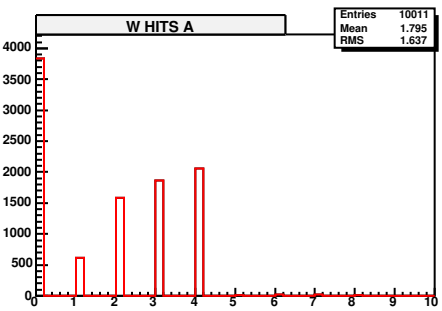


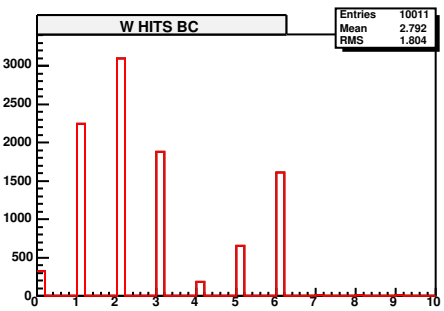


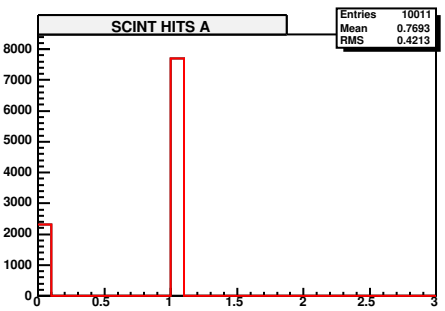


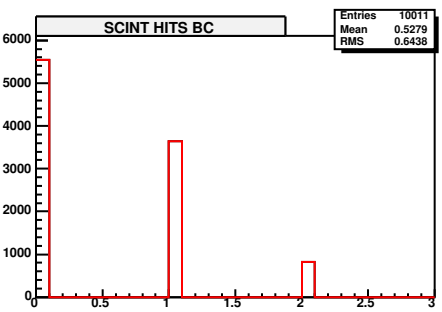




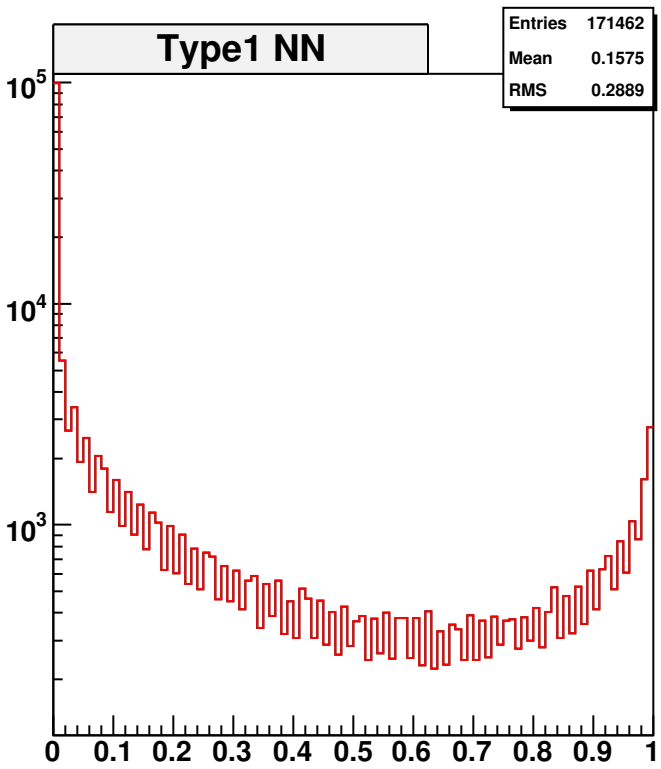


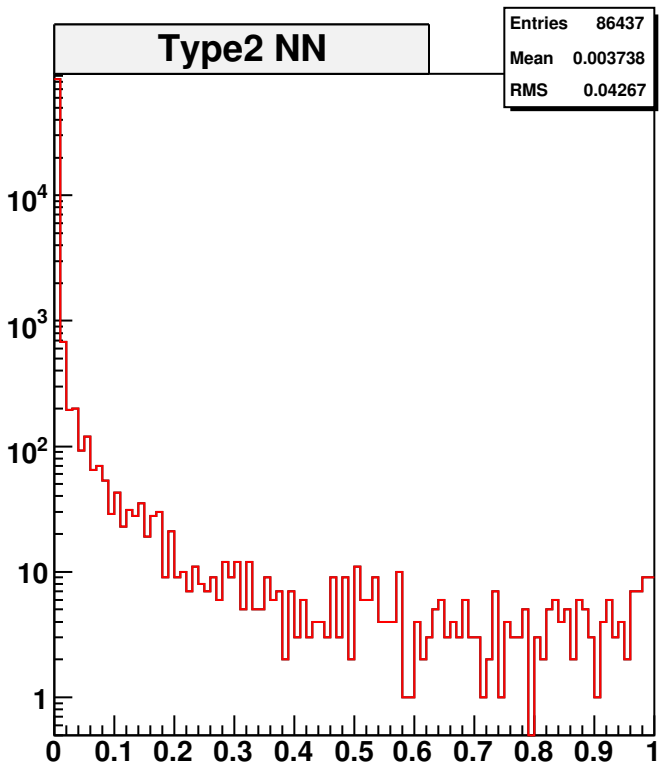


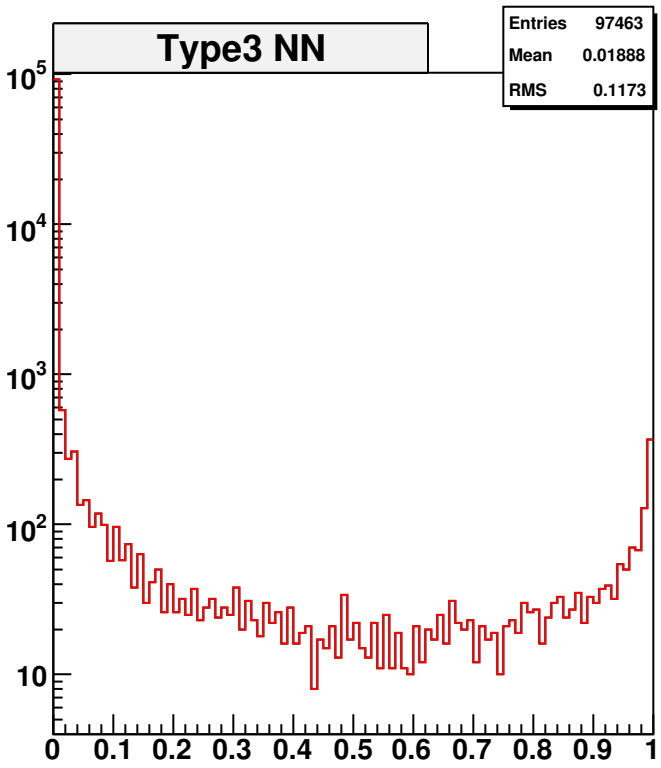


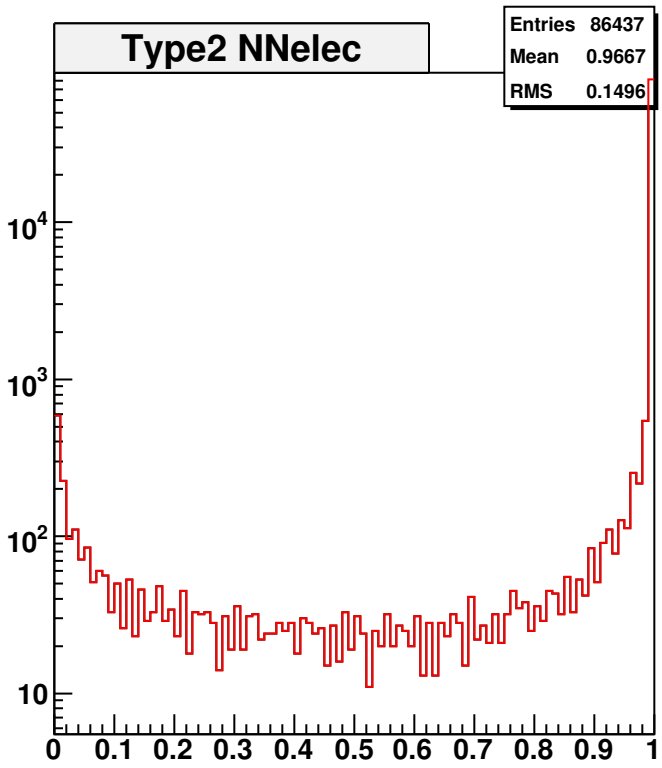


Muons (Unmatched)

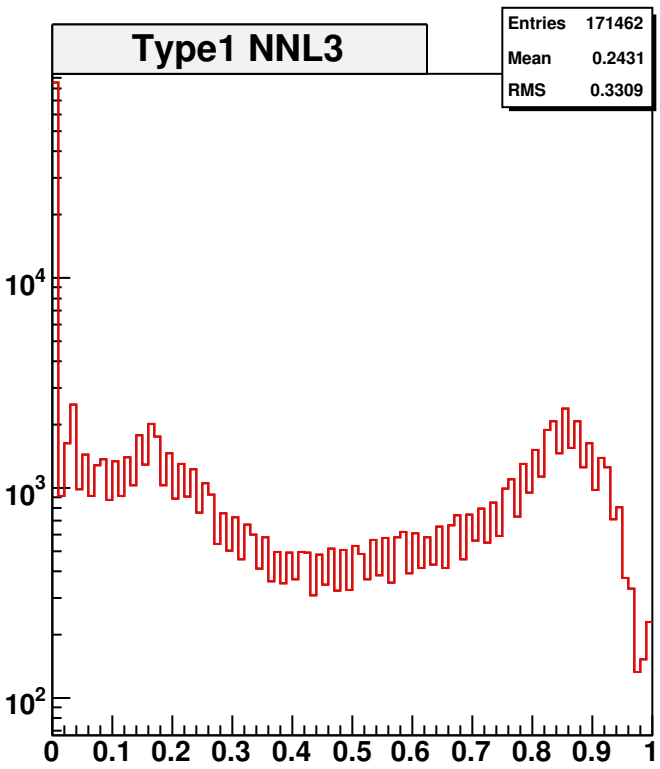


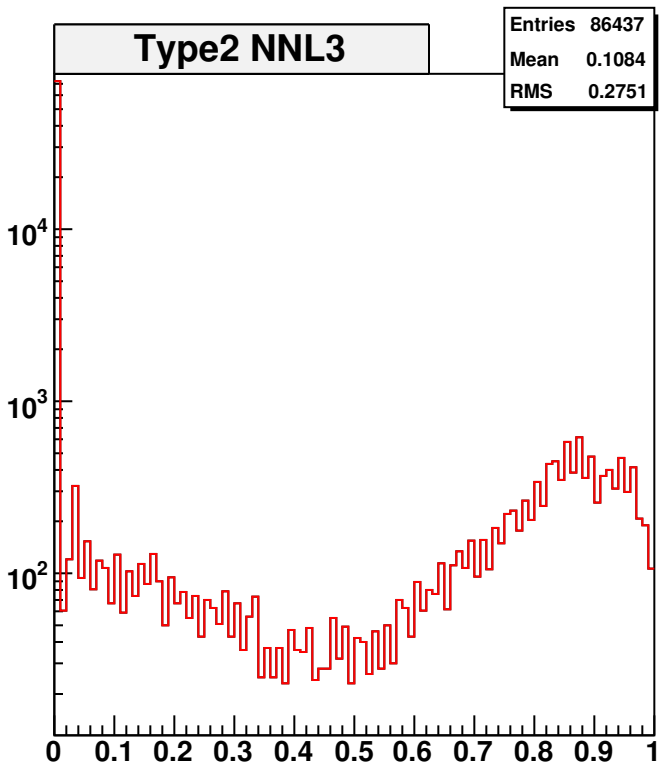


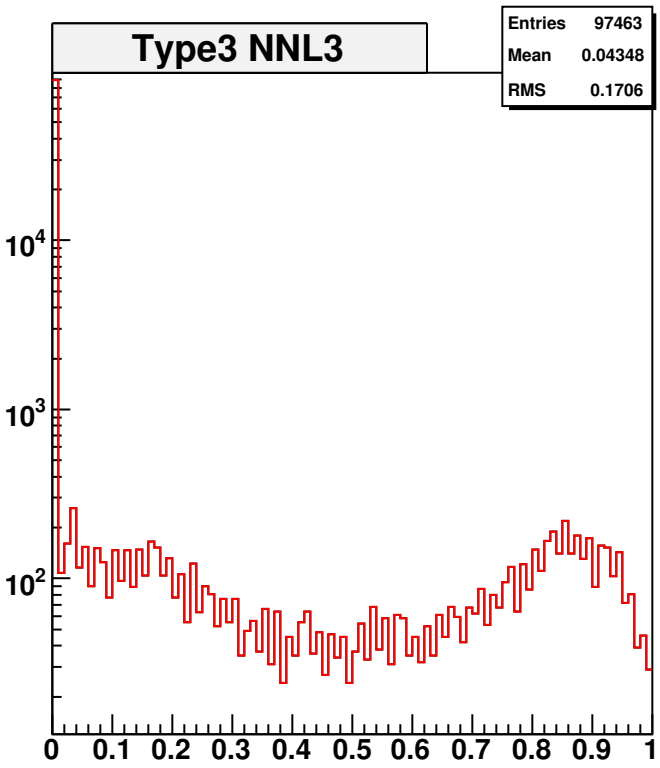


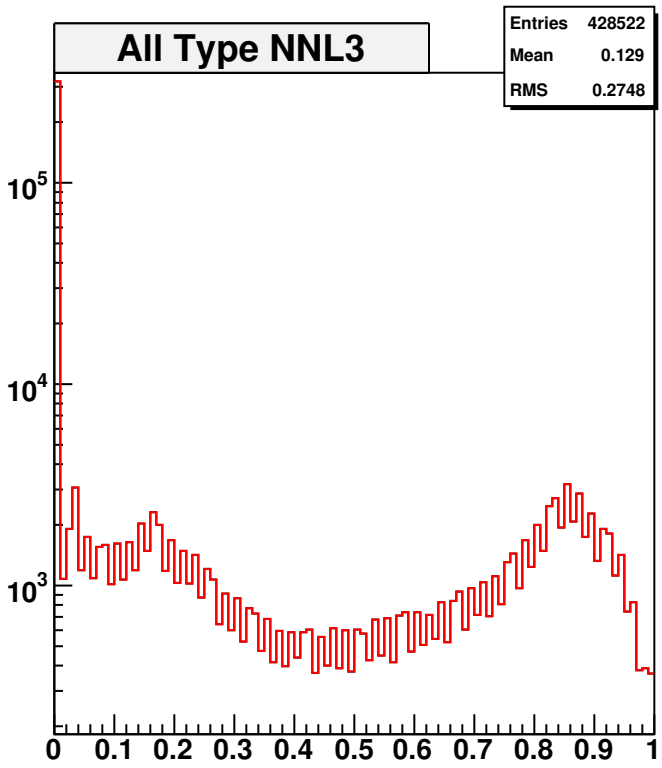


Taus NN (TAU All)

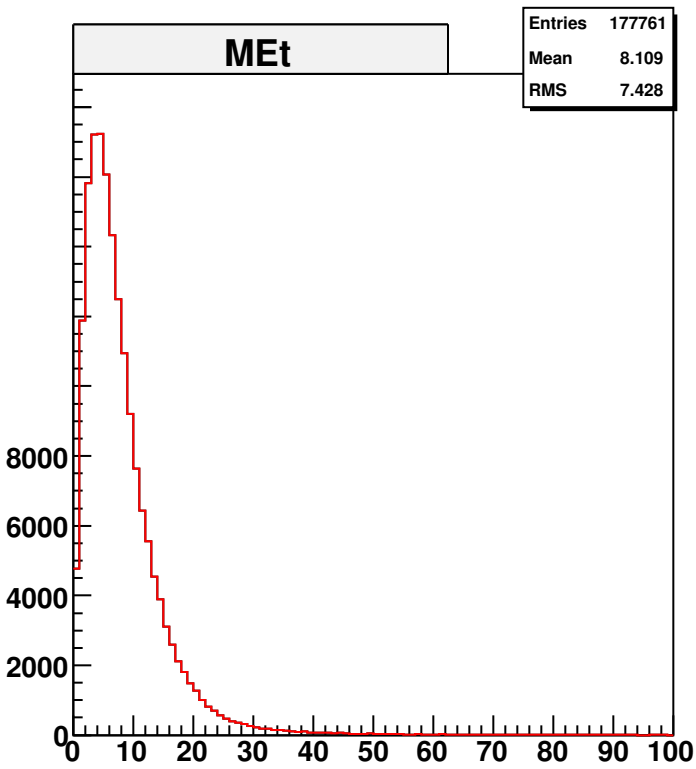


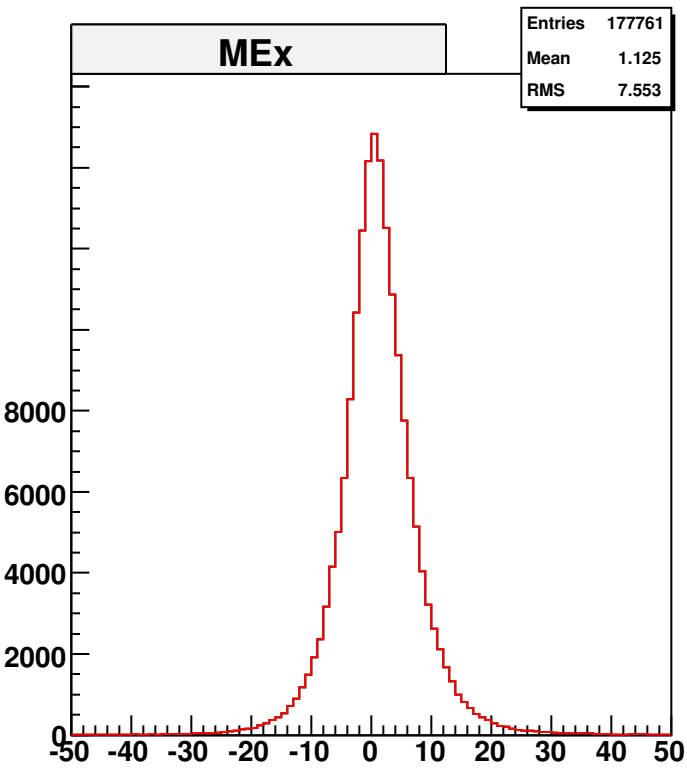


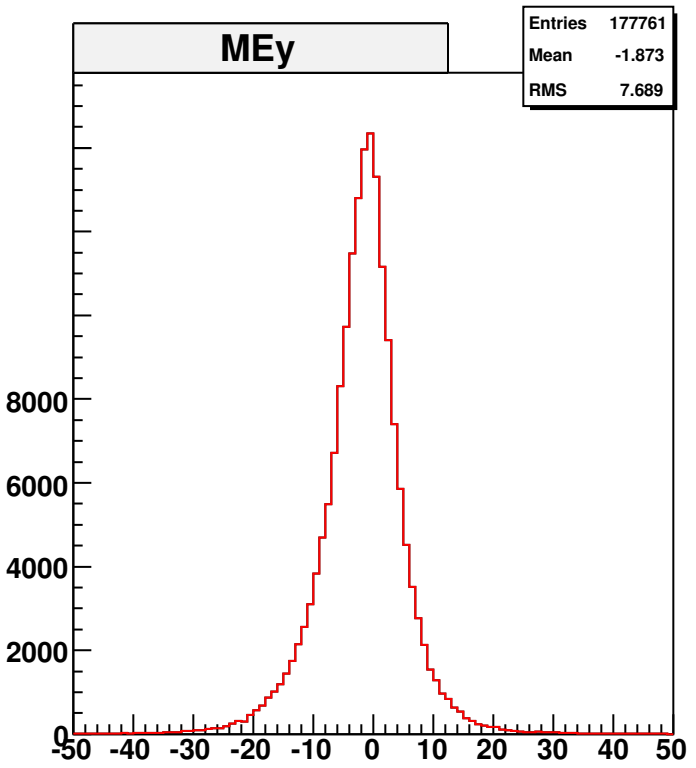




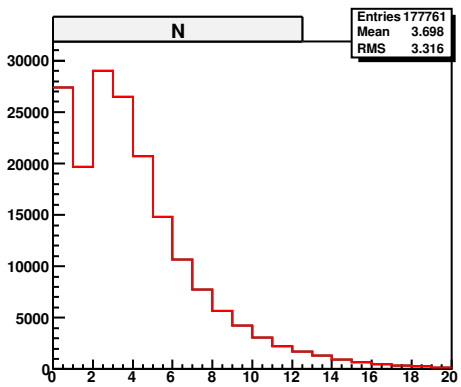
Taus NNL3 (TAU All)

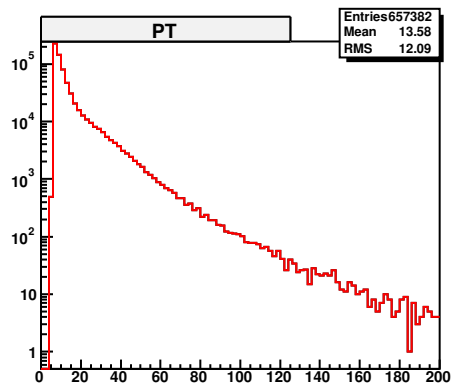

MEt
Entries 177761
Mean 8.109
RMS 7.428
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100

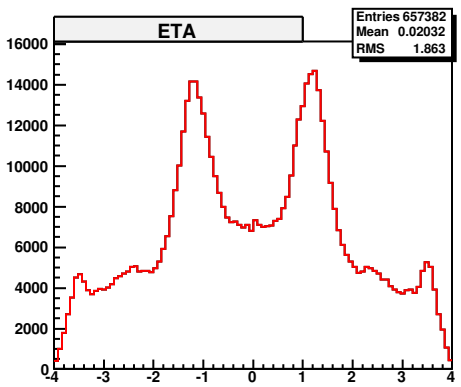

MEx
Entries 177761
Mean 1.125
RMS 7.553
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

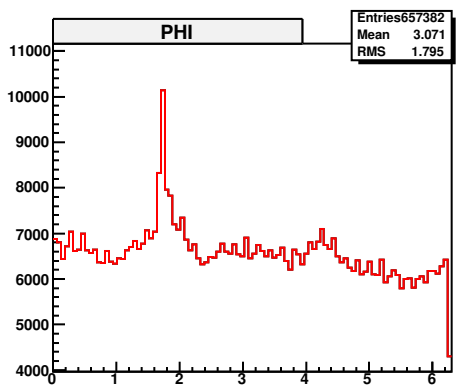

MEy
Entries 177761
Mean -1.873
RMS 7.689
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

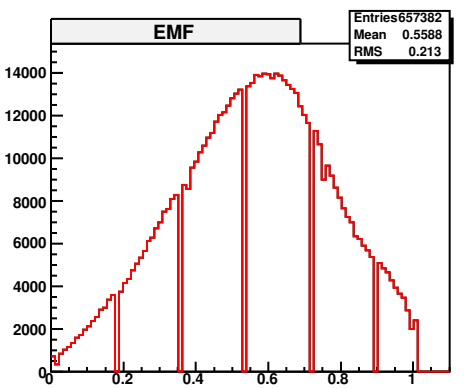
Met (No cuts)

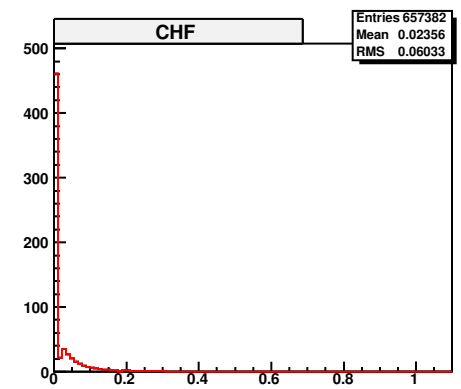


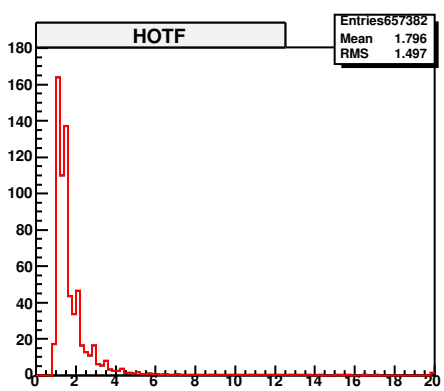


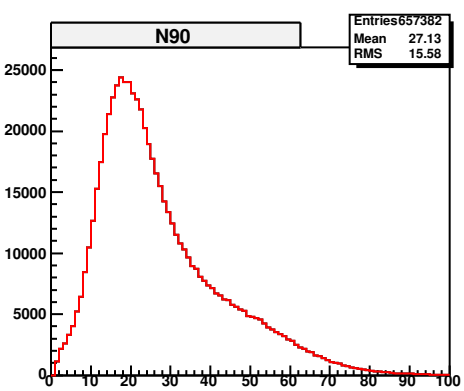


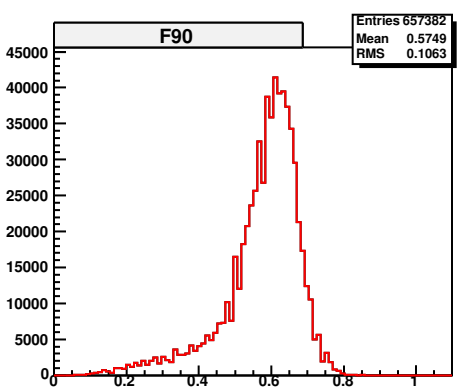


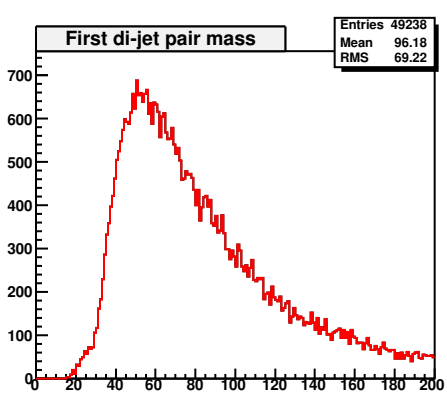


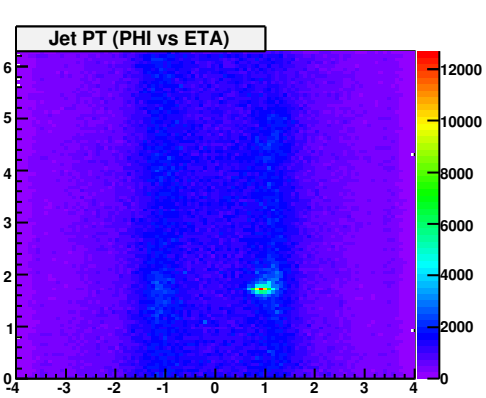




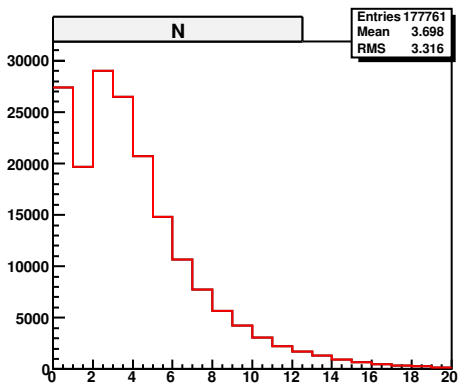


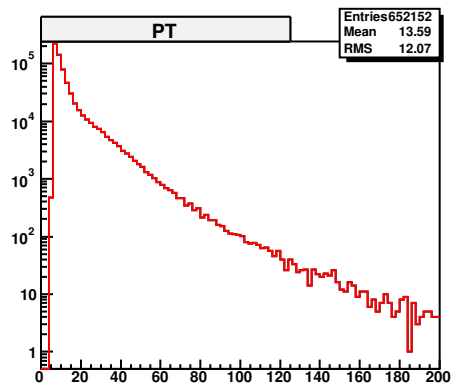


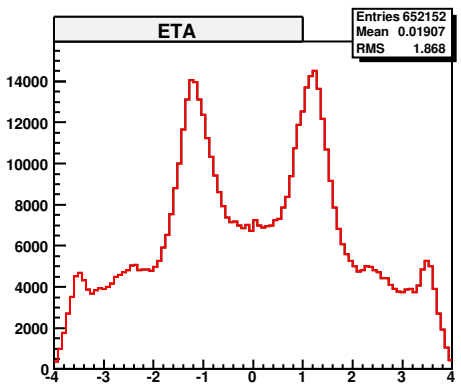


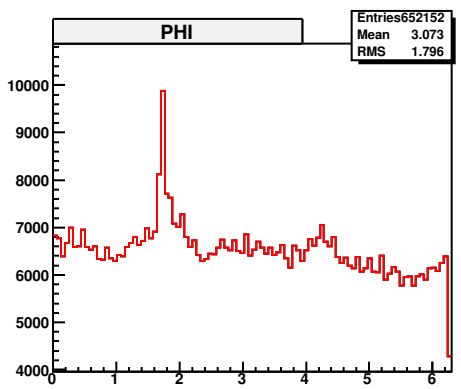


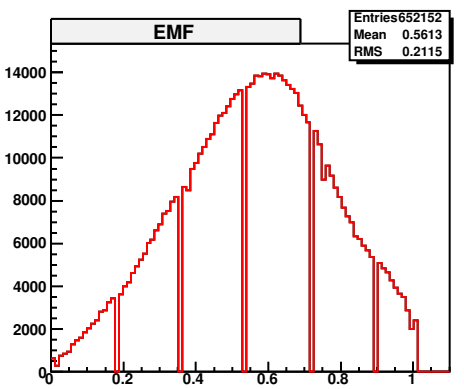
Jets (Cone R 0.7 (no cuts))

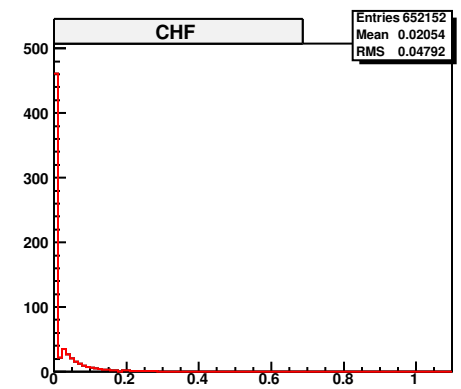


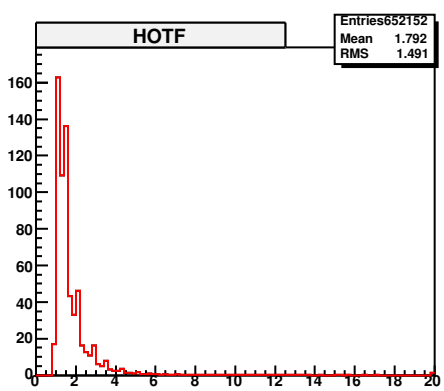


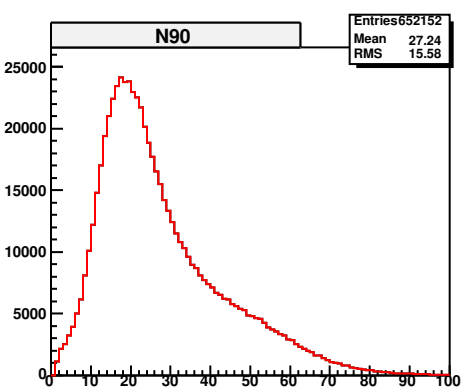


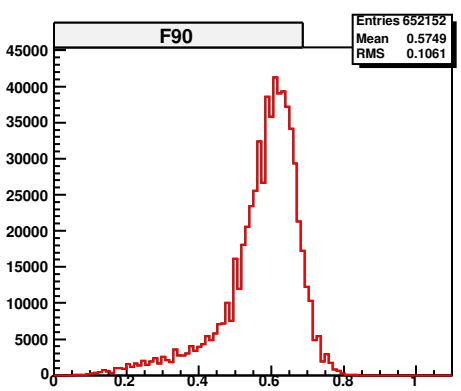


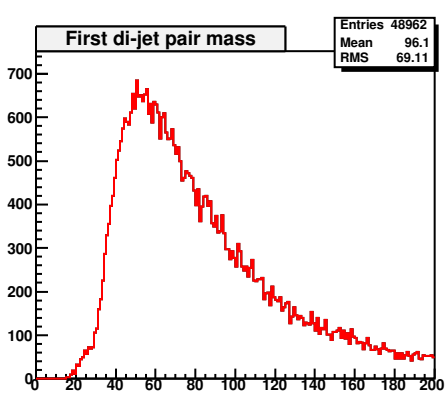


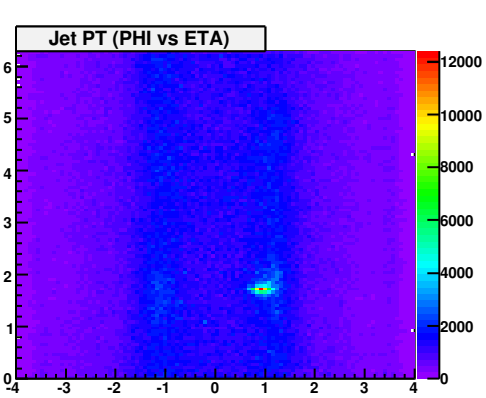




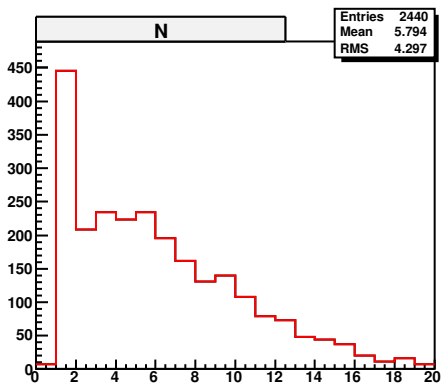


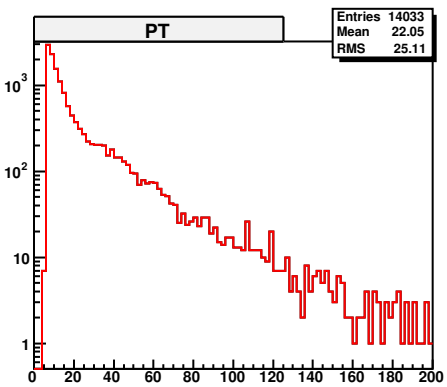


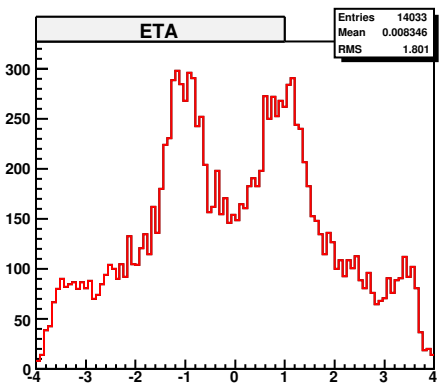


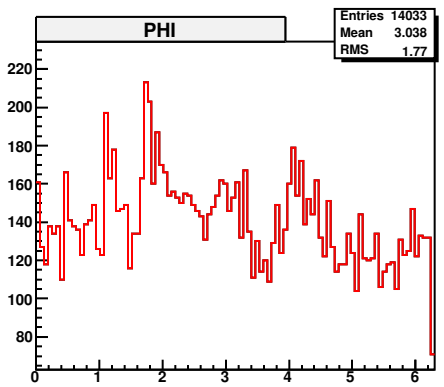


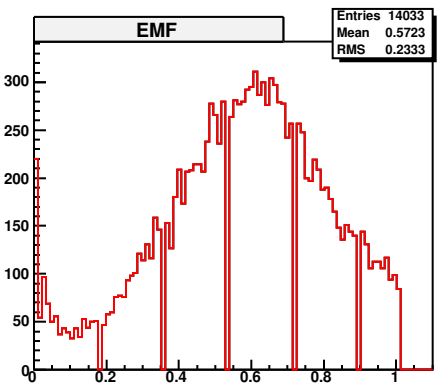
Jets (Cone R 0.7 (standard cuts))

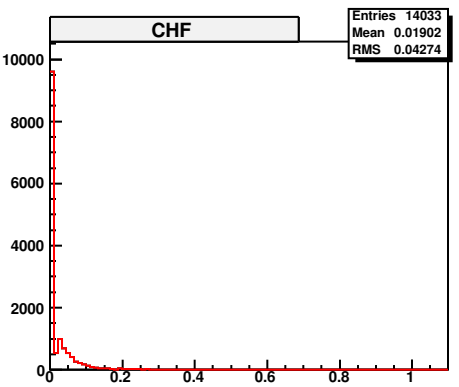


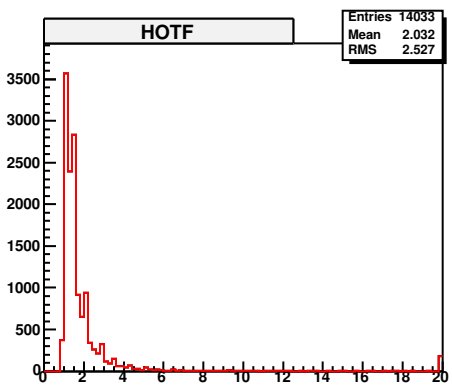


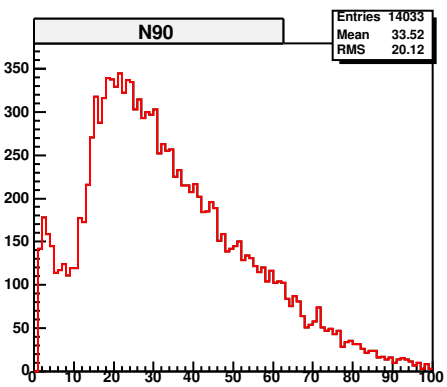


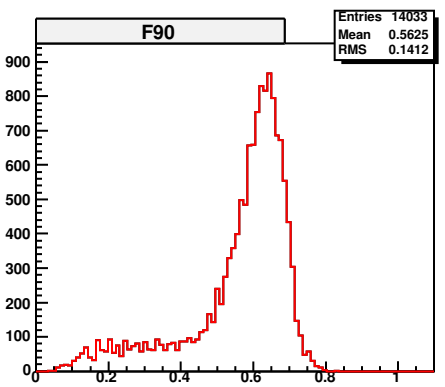


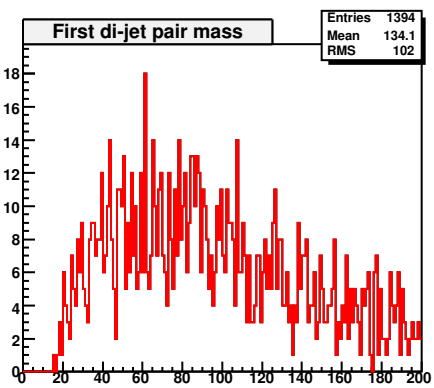


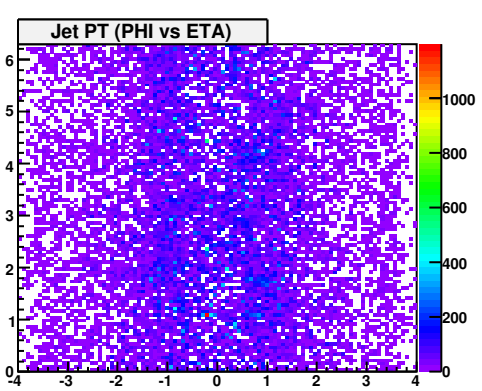




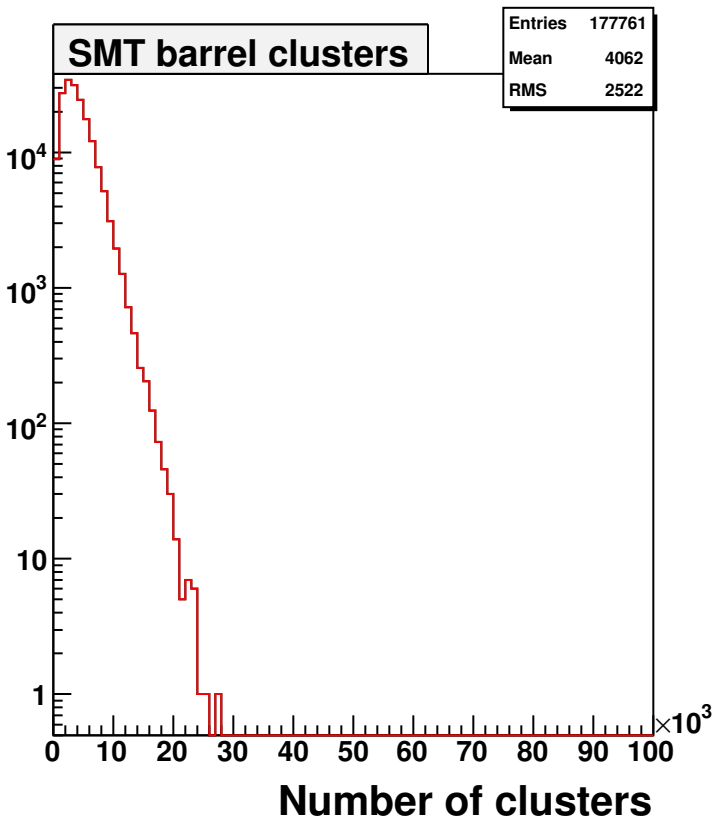


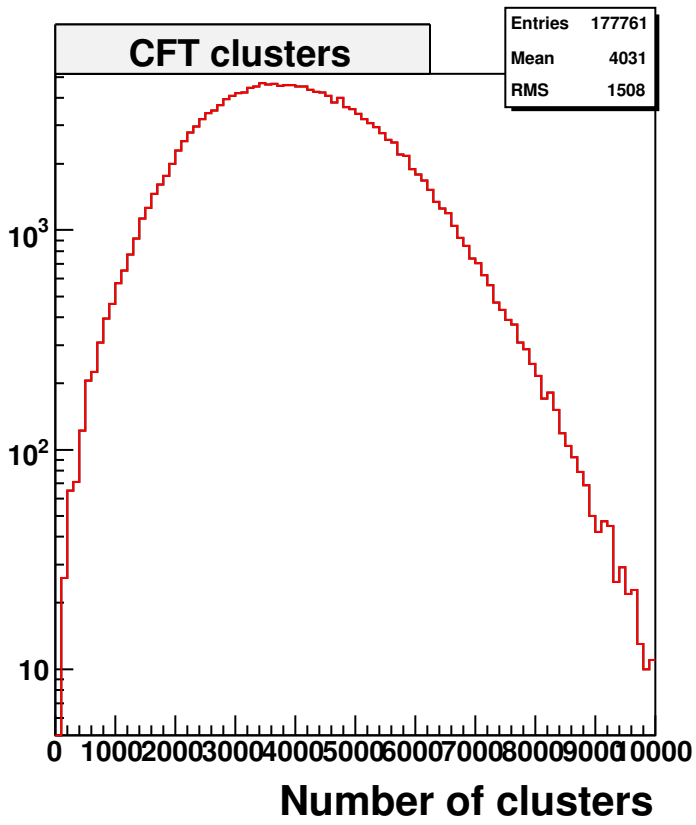


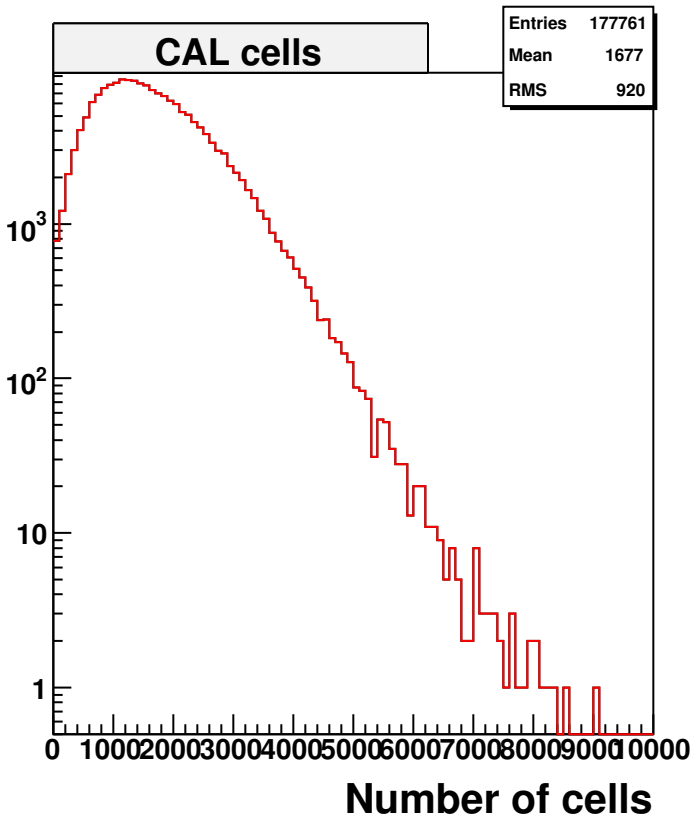


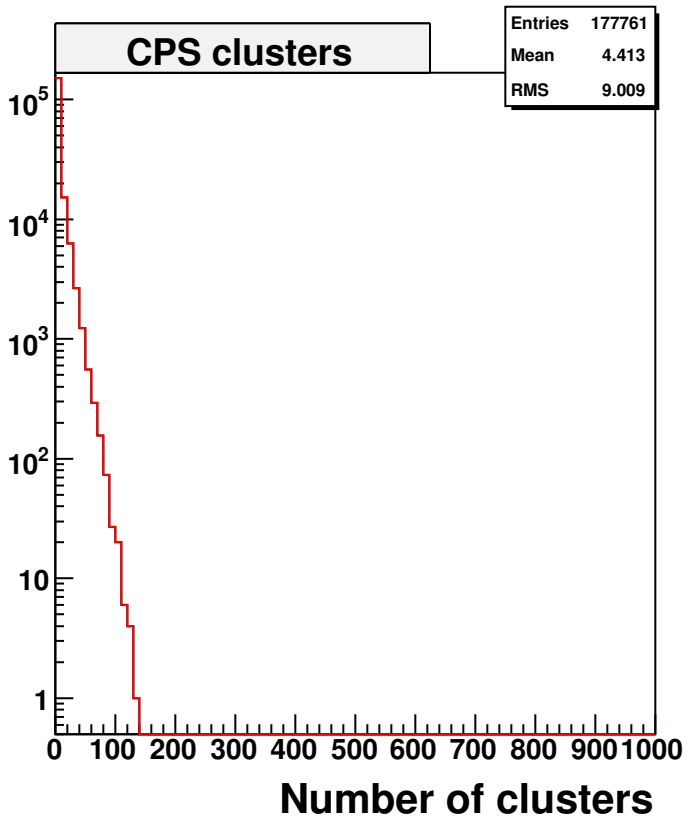


Jets (Cone R 0.7 (standard cuts, MET>30))

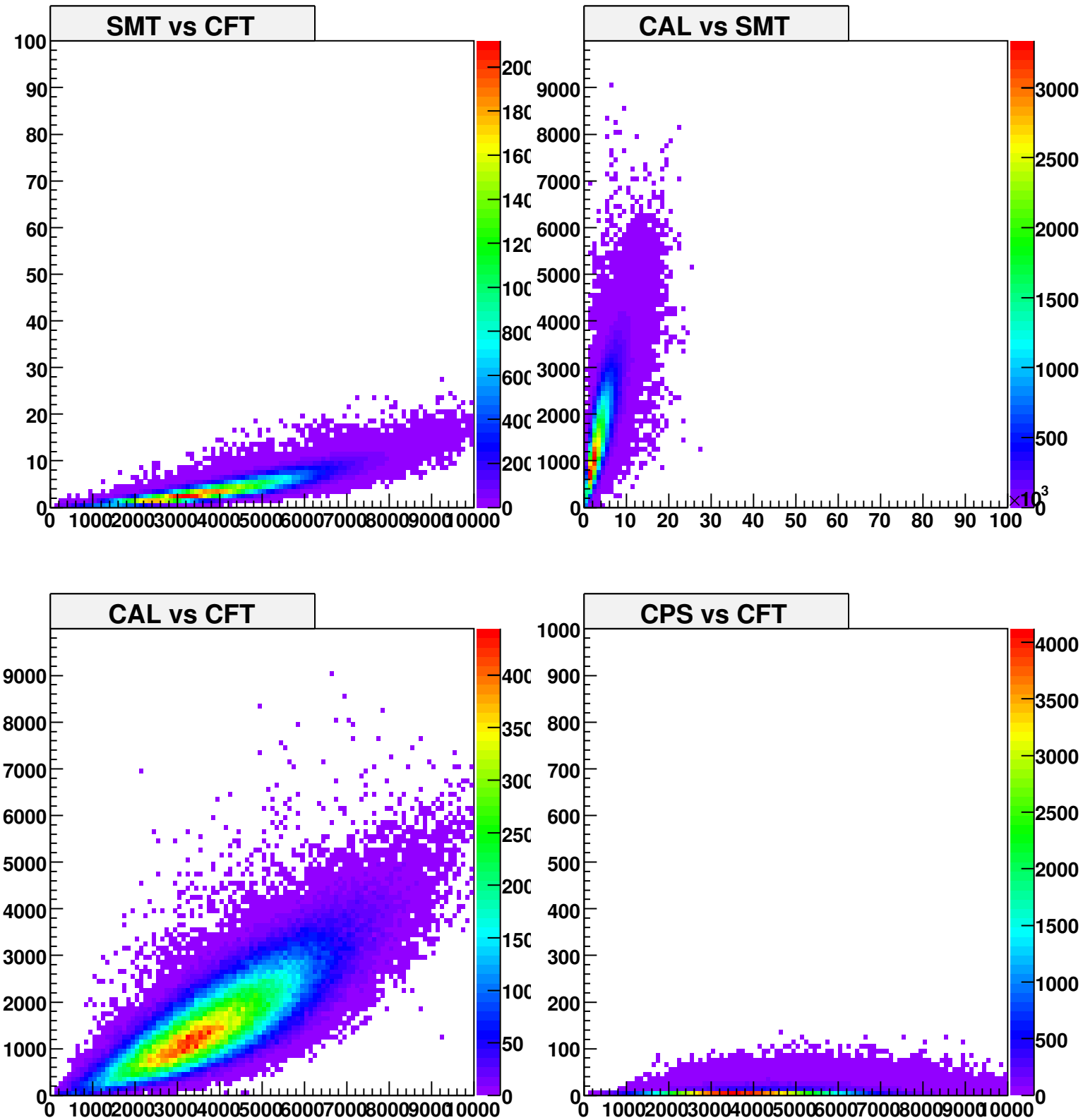




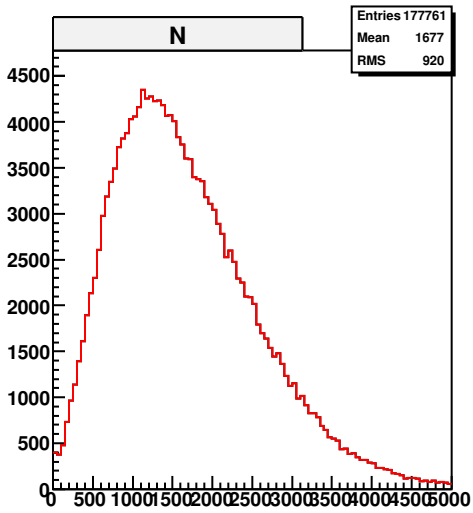


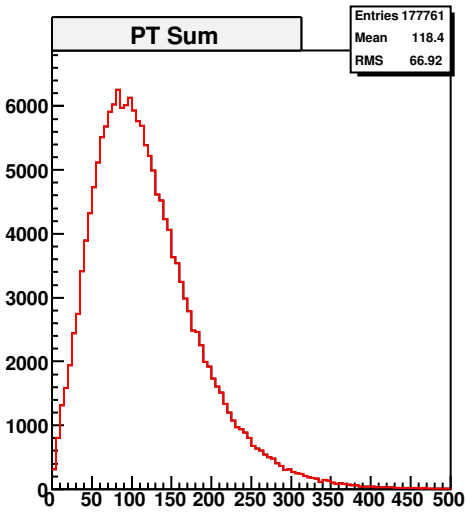


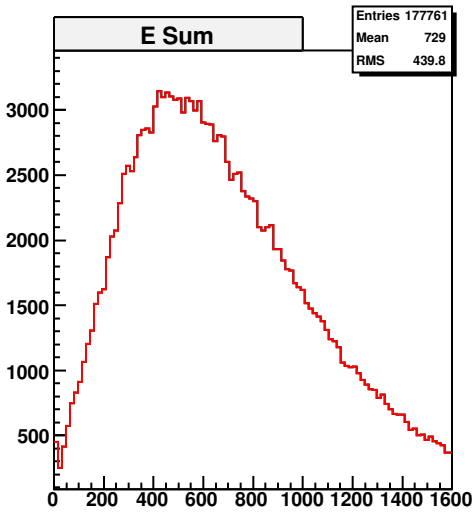
Detector Occupancy (Detector)

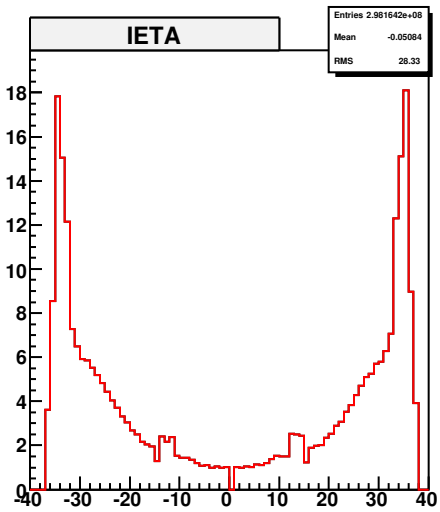


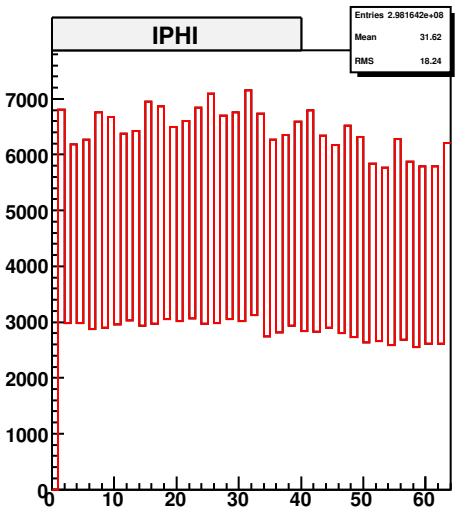
Detector Occupancy (Detector)

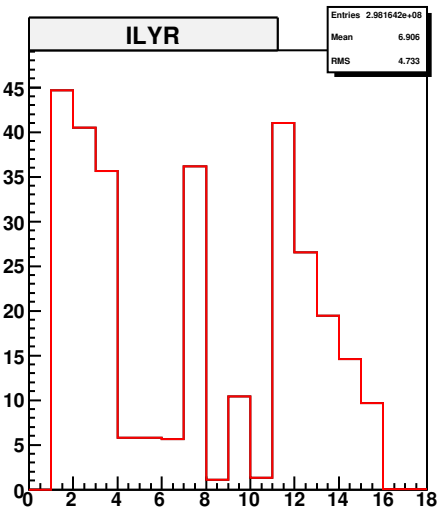


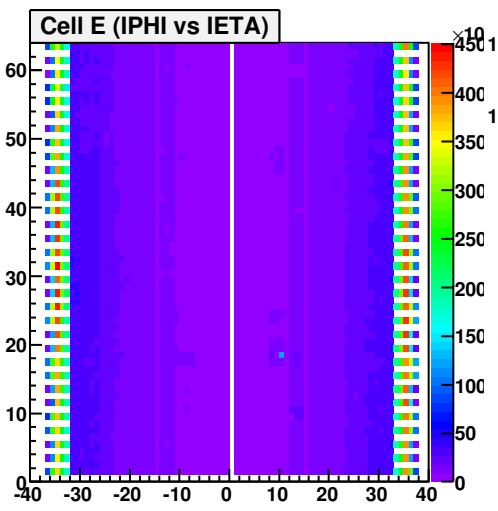


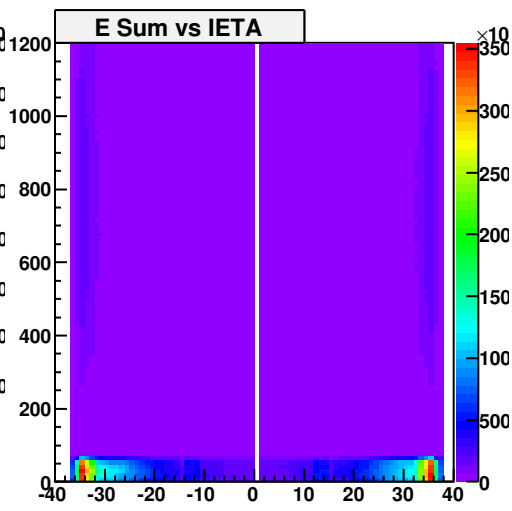


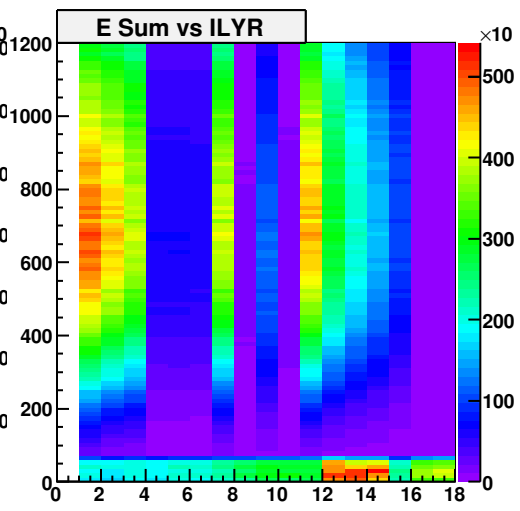




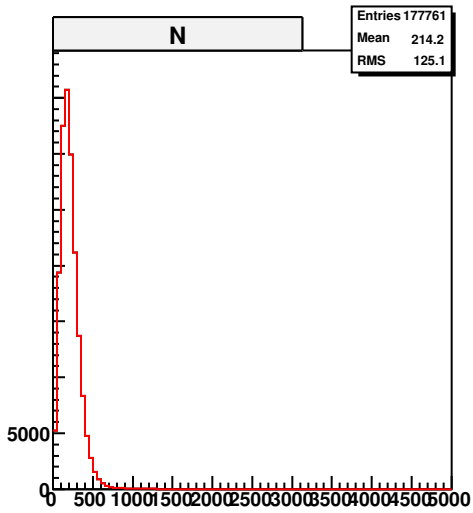


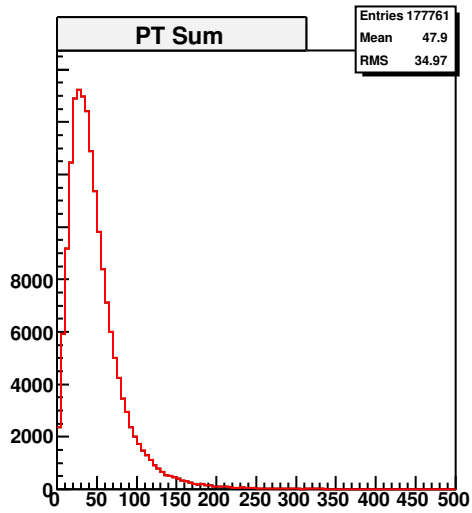


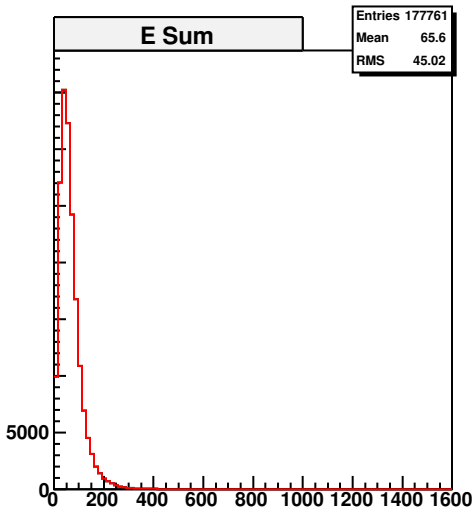


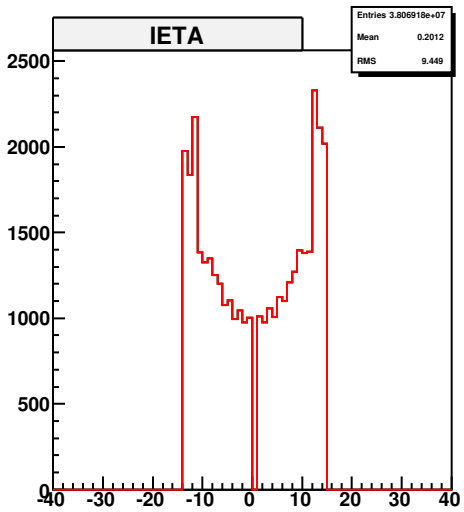


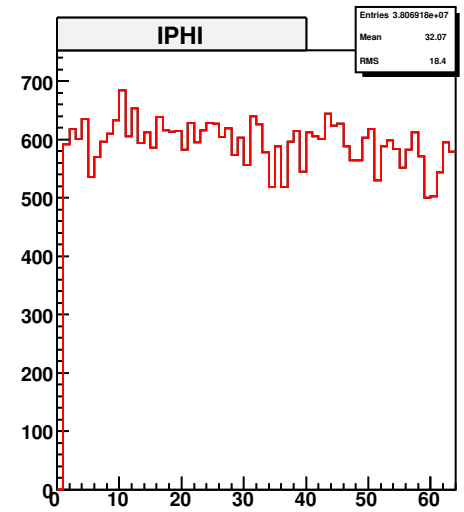
Calorimeter (All cells)

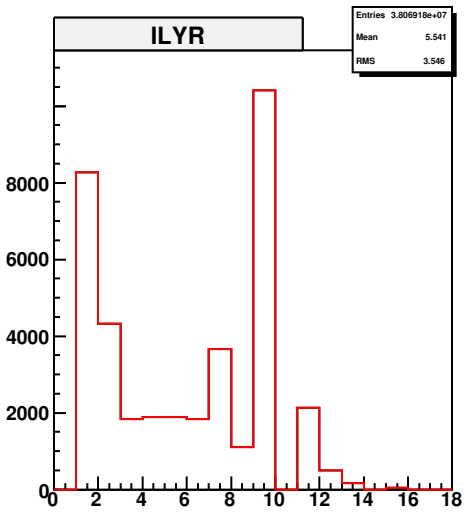


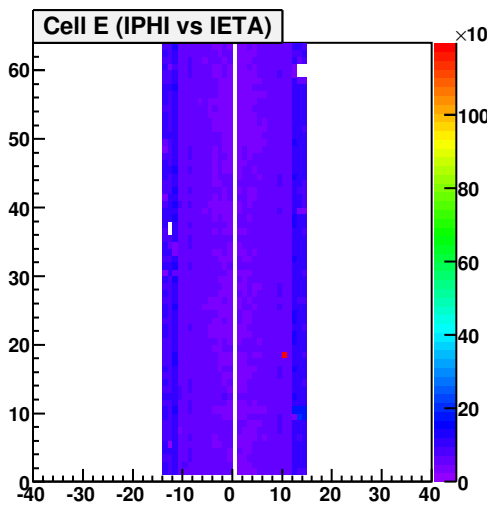


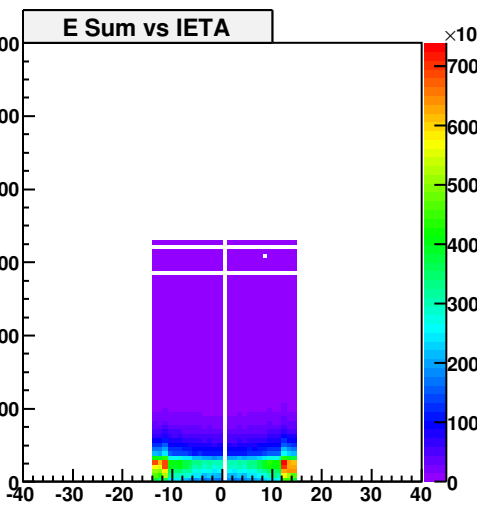


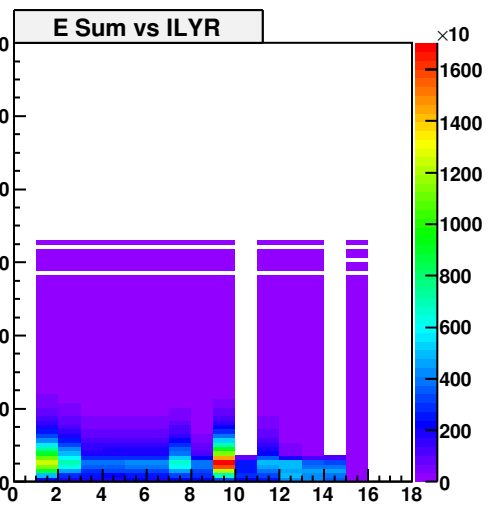




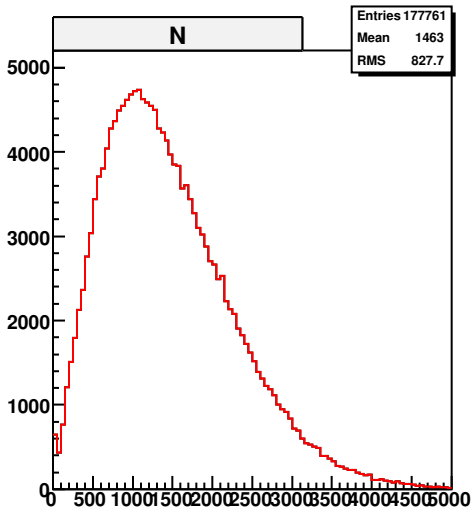


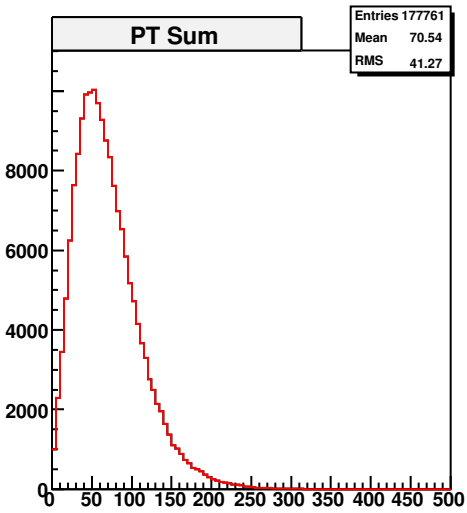


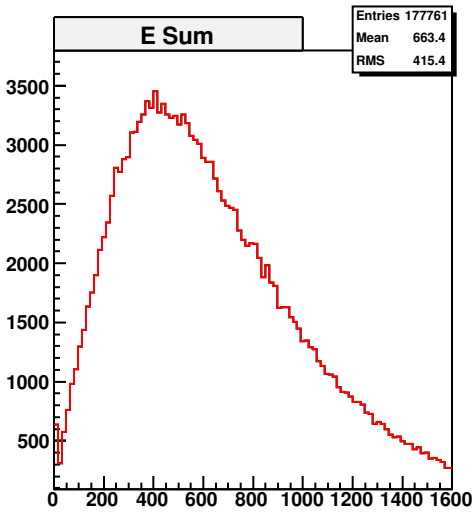


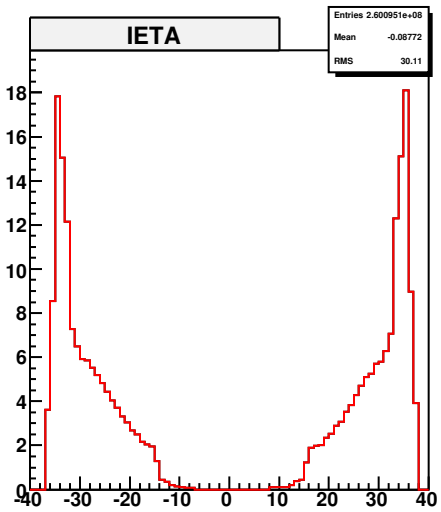


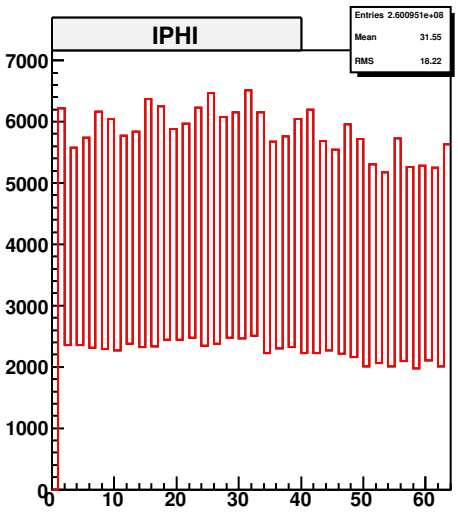
Calorimeter (All CC cells)

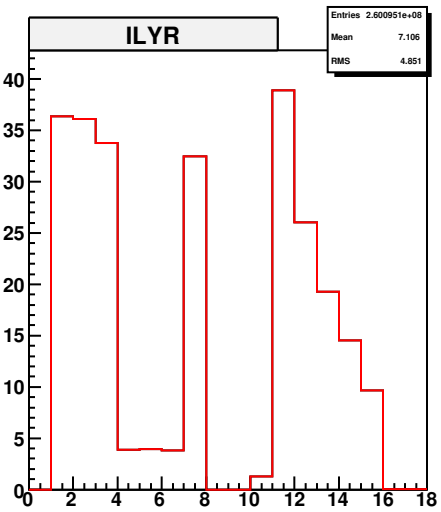


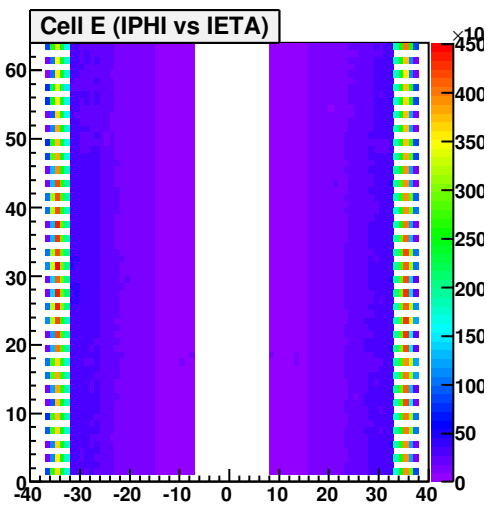


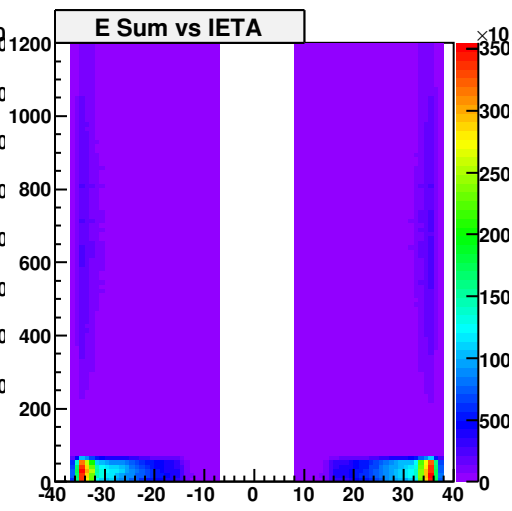


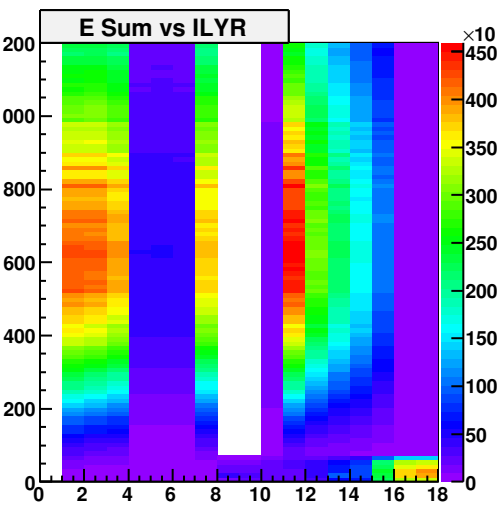




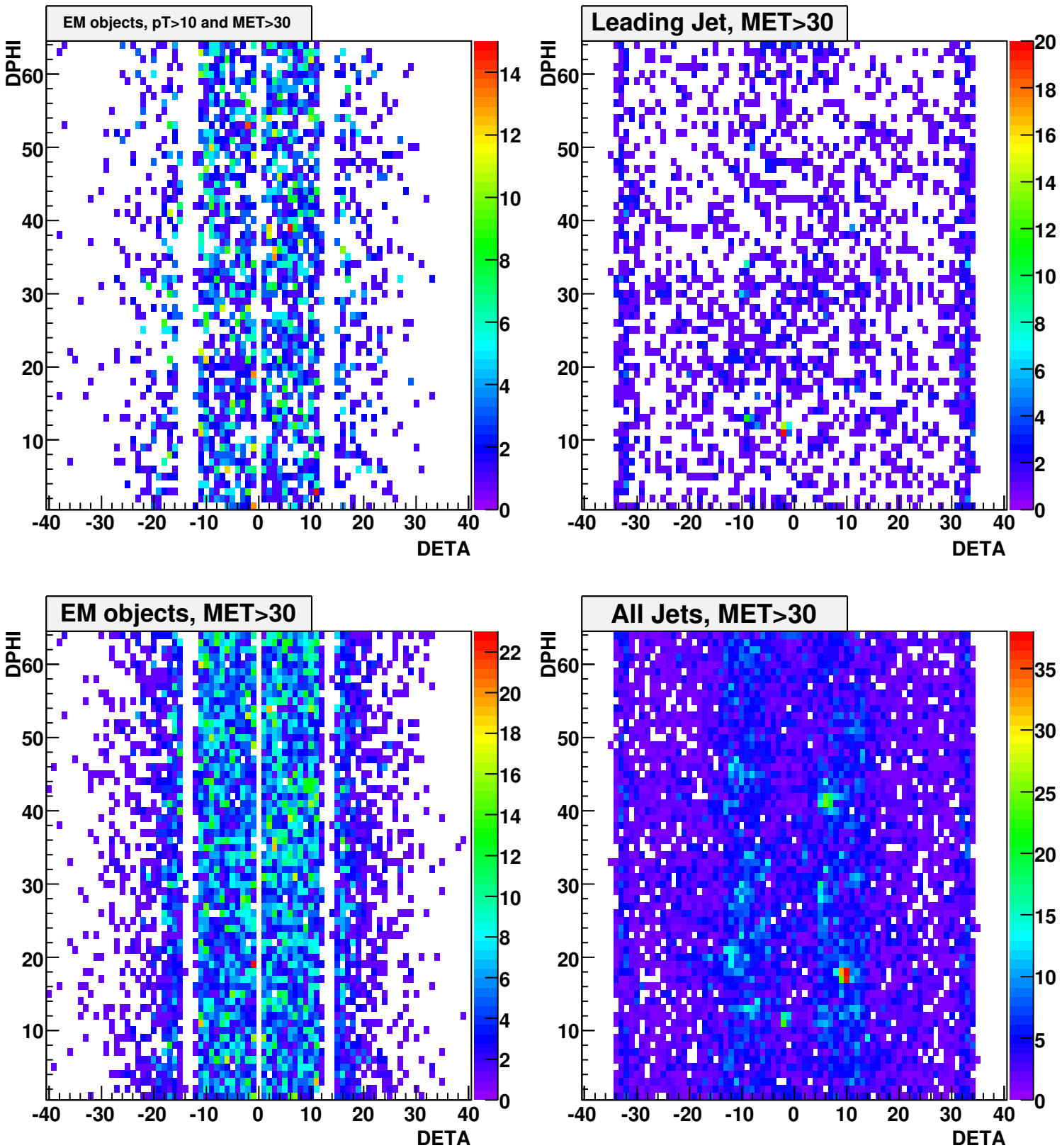




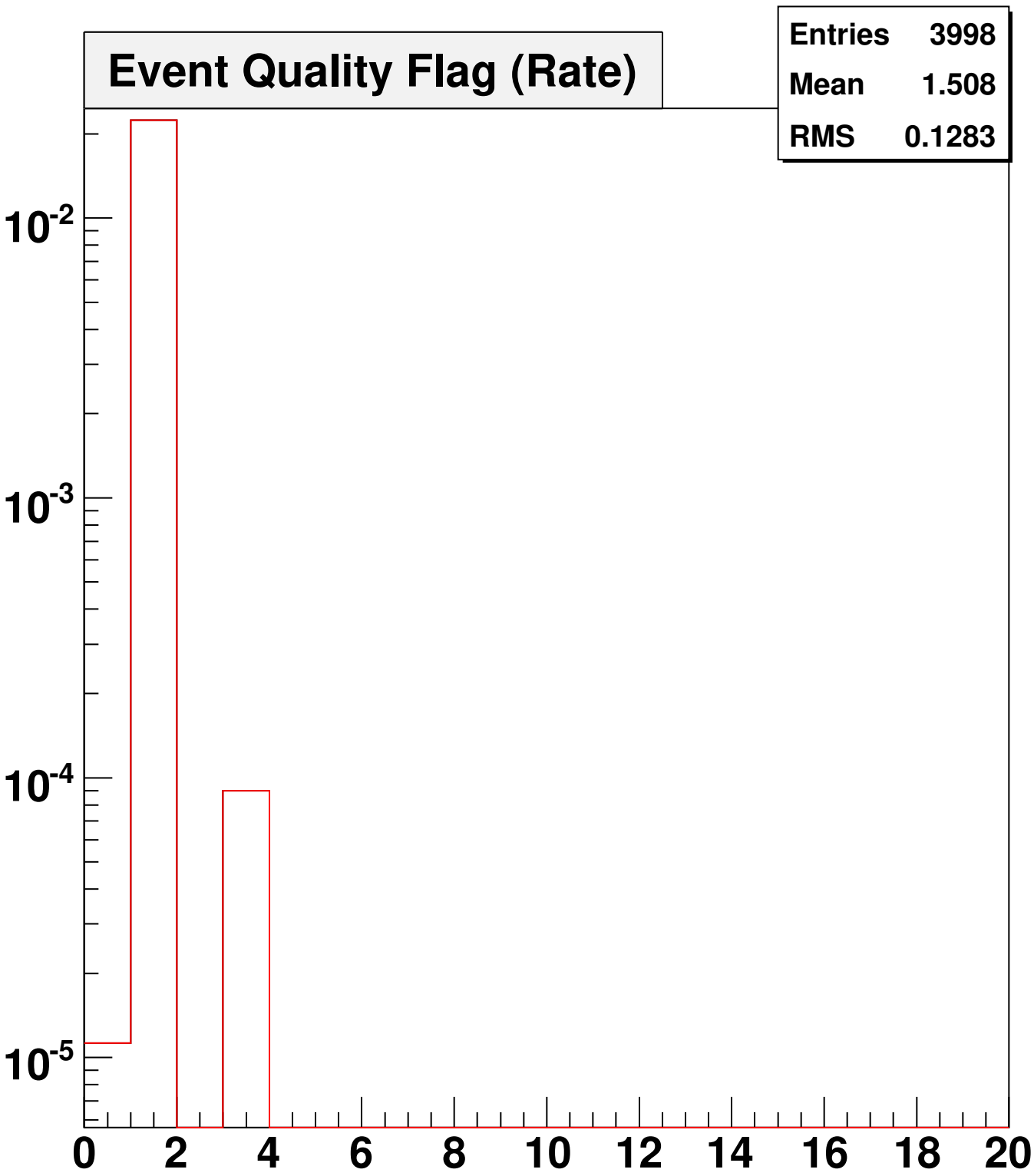


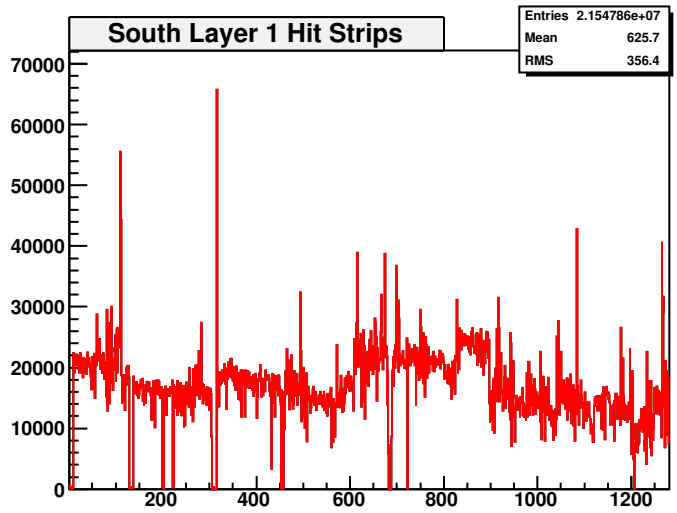


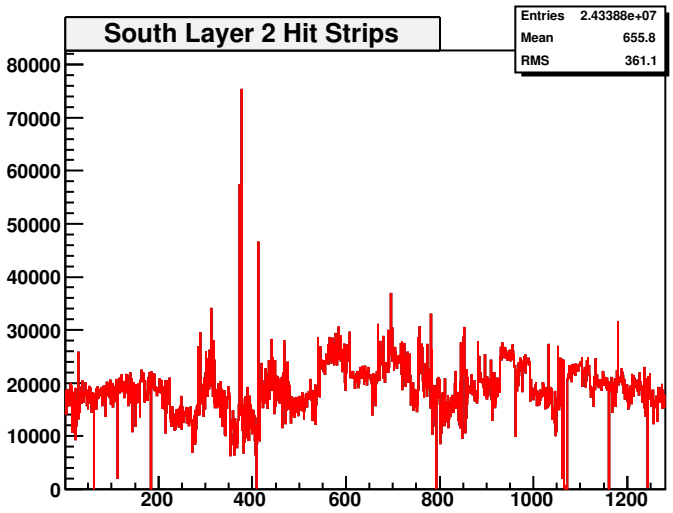
Calorimeter (All EC cells)

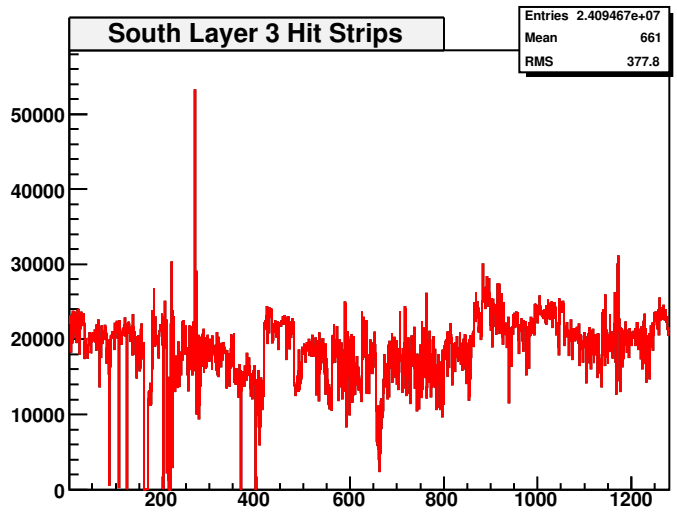


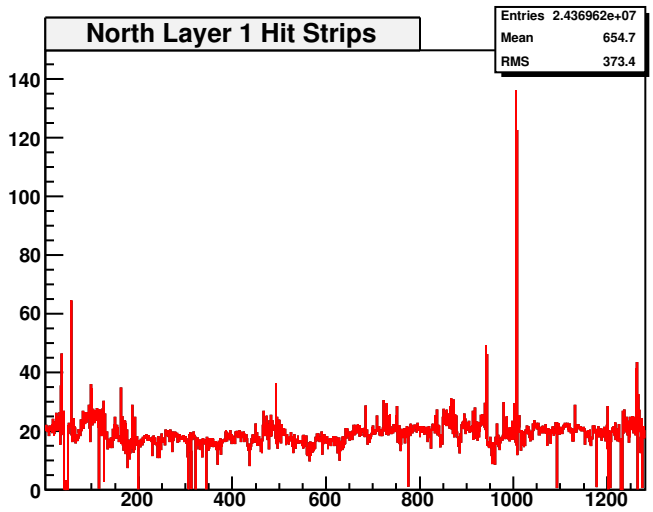
Cal Objects with MET>30 (All cells)

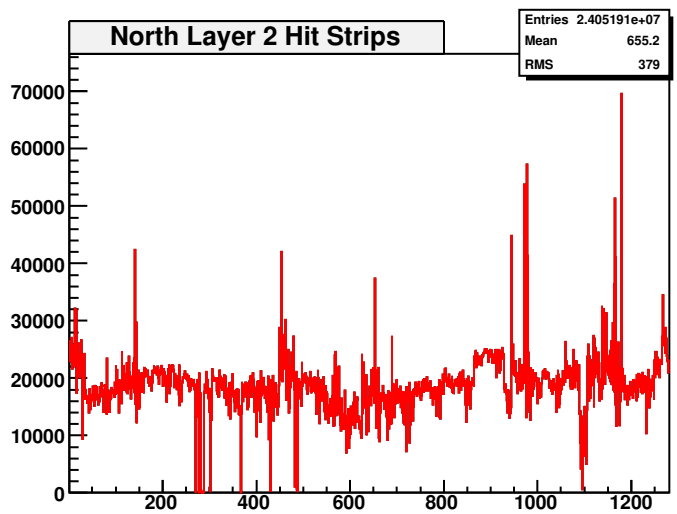

Event Quality Flag (Rate)
Entries 3998
Mean 1.508
RMS 0.1283
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

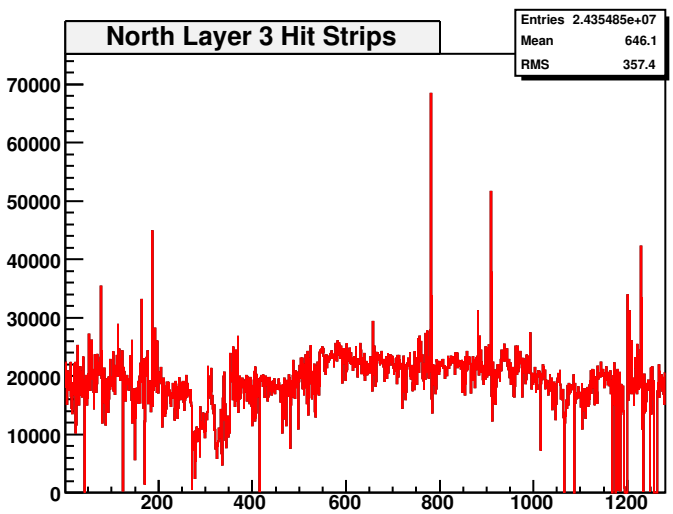




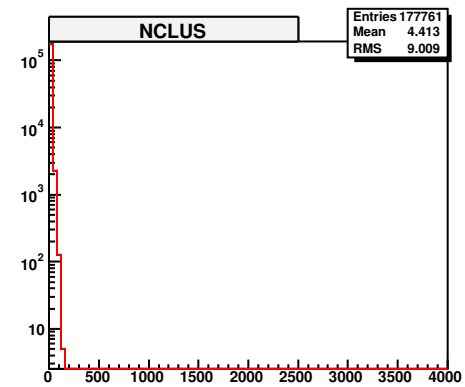


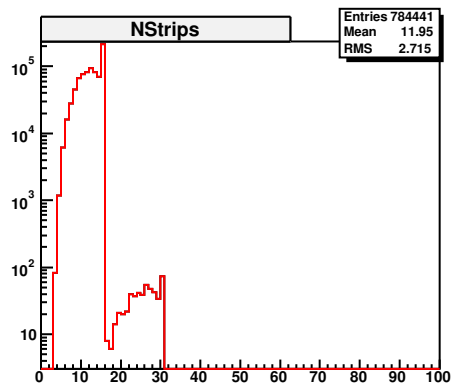


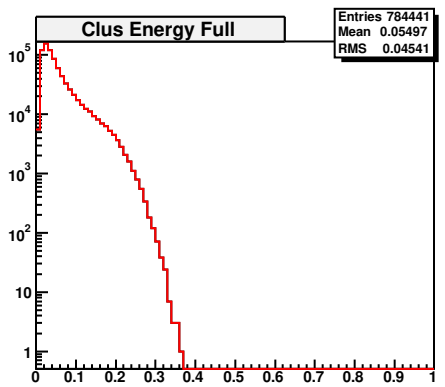


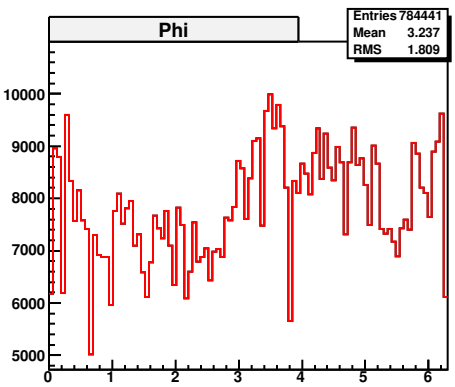


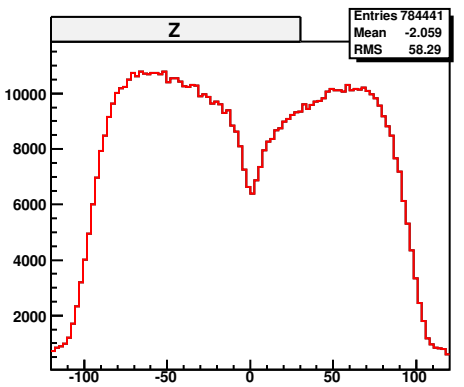
CPS Hit Strips (All Clusters)

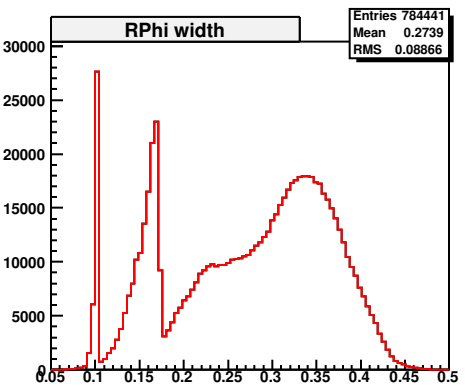


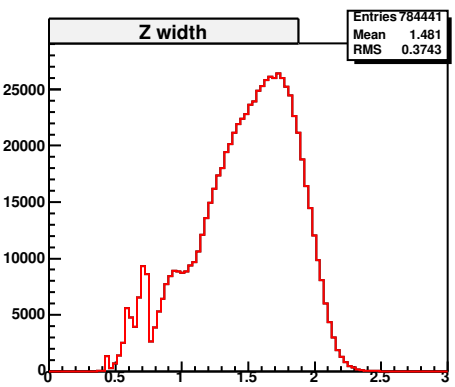


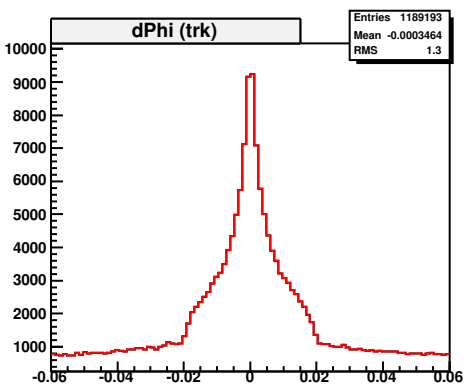


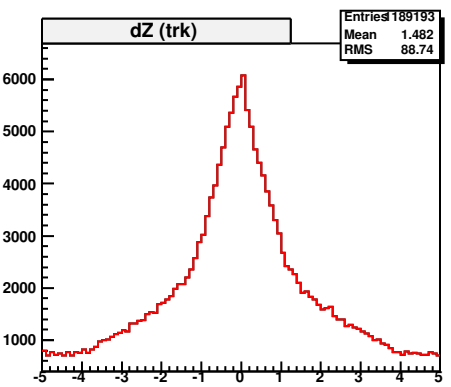


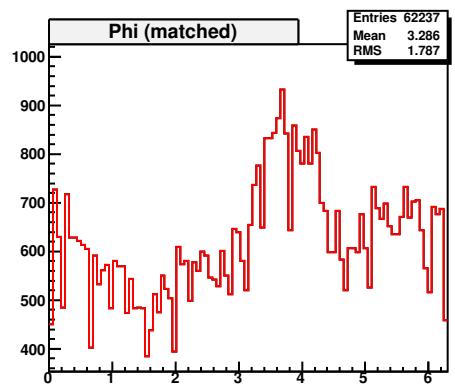


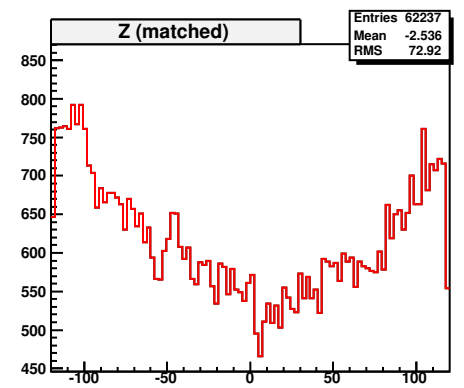




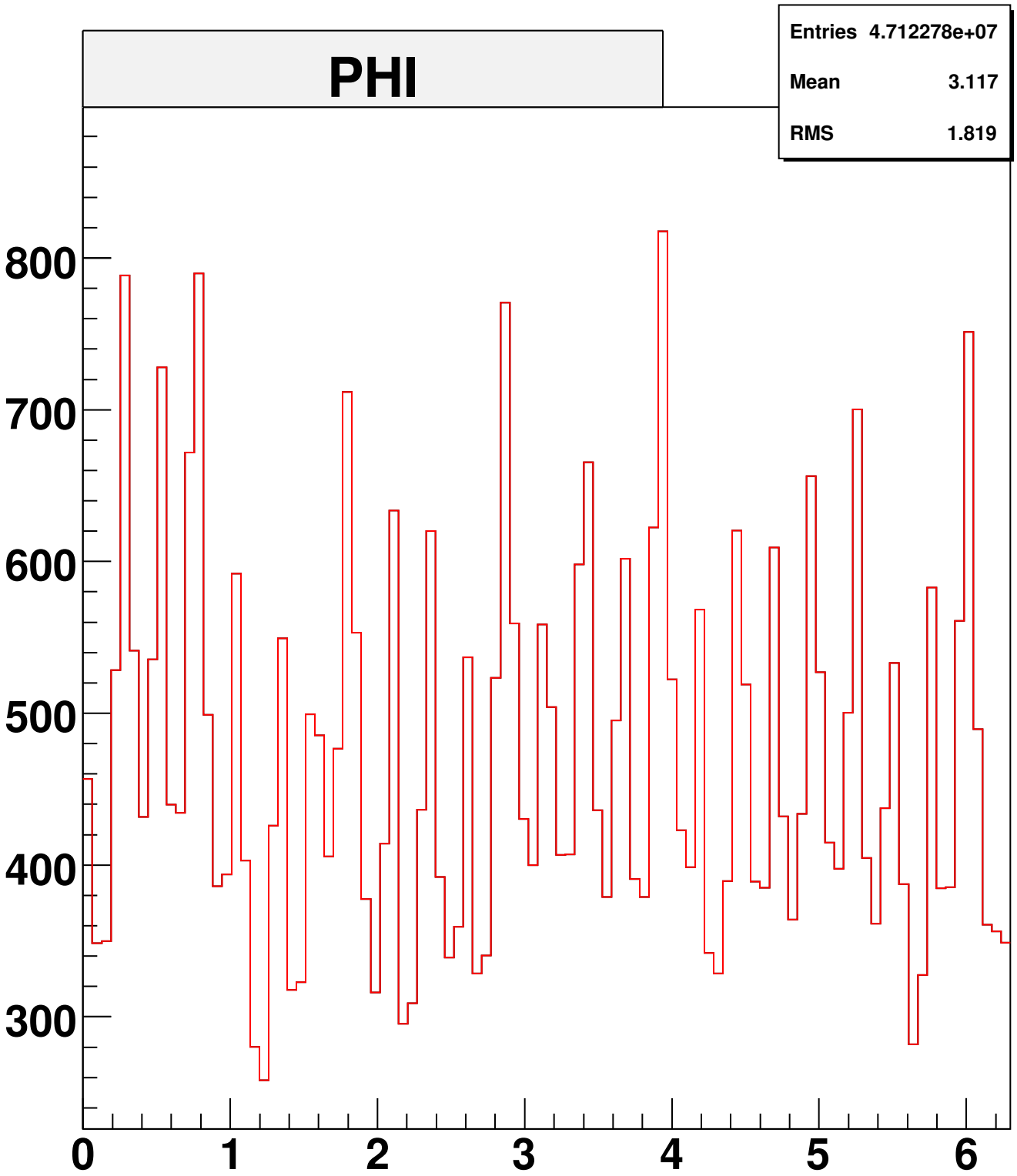








CPS Clusters (All Clusters)


PHI
Entries 4.712278e+07
Mean 3.117
RMS 1.819
800
700
600
500
400
300
0
1
2
3
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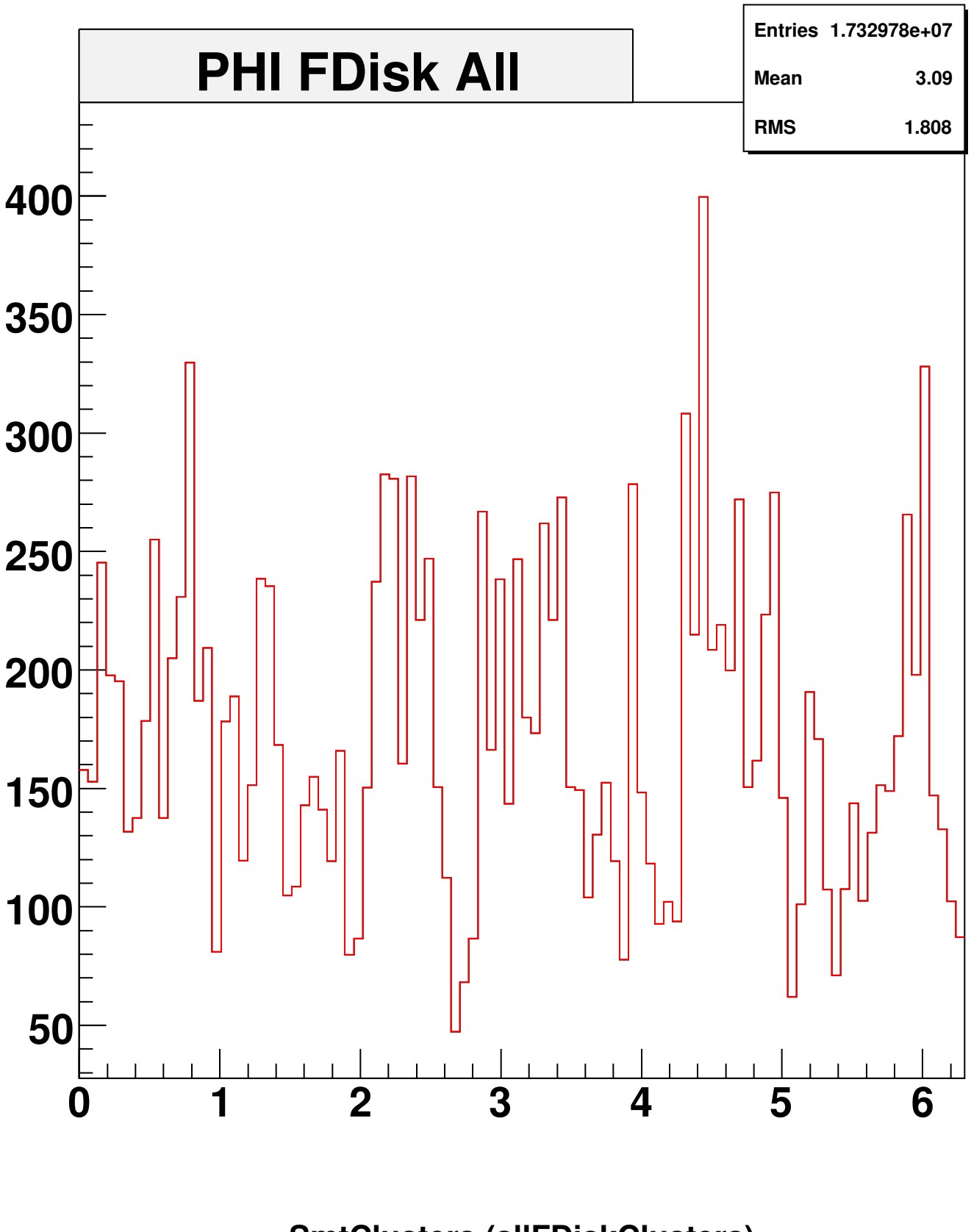
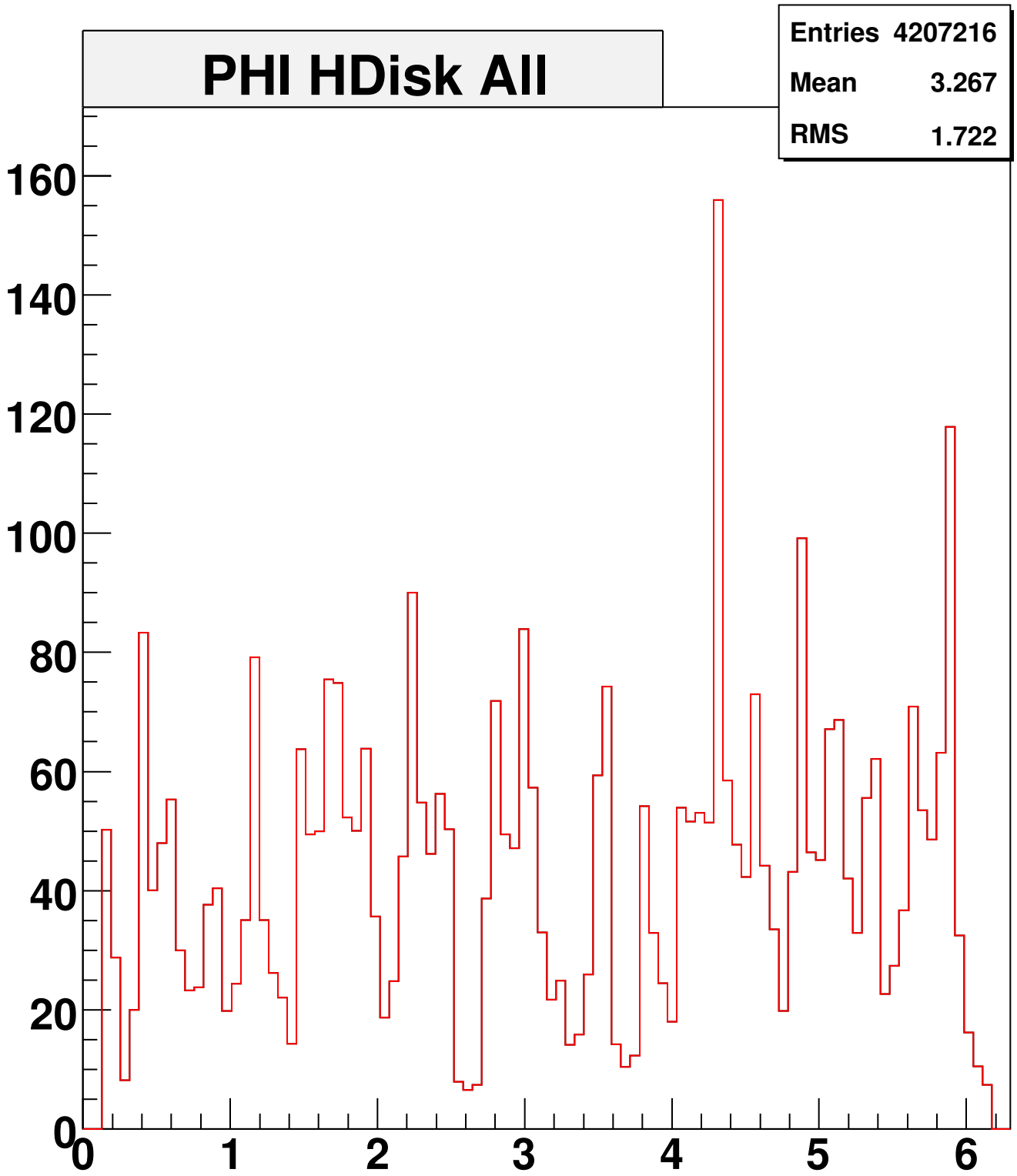
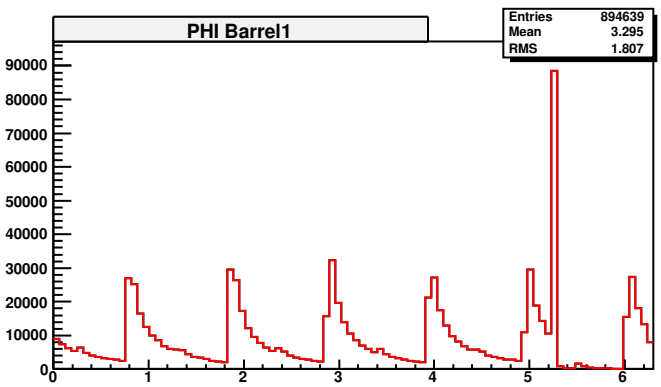
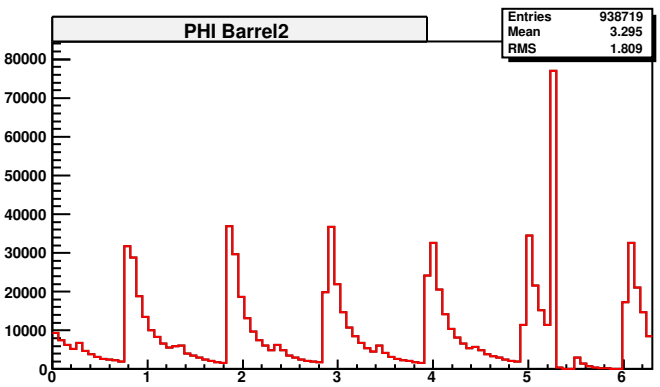
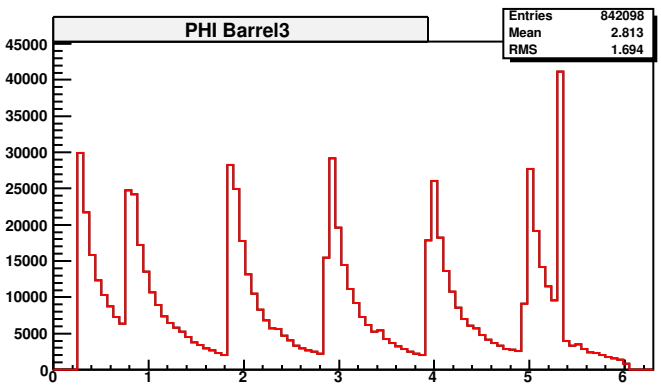
5
6
SmtClusters (allBarClusters)

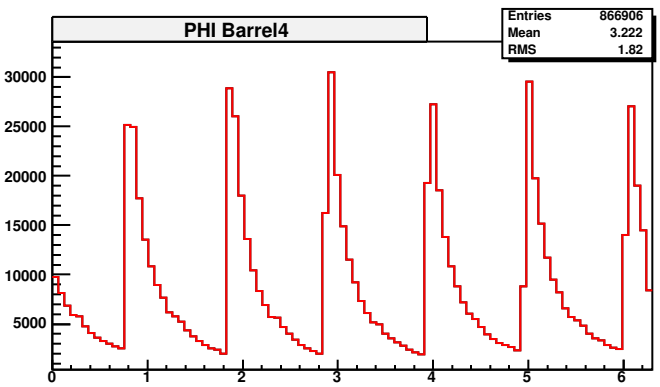

PHI FDisk All
Entries 1.732978e+07
Mean 3.09
RMS 1.808
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

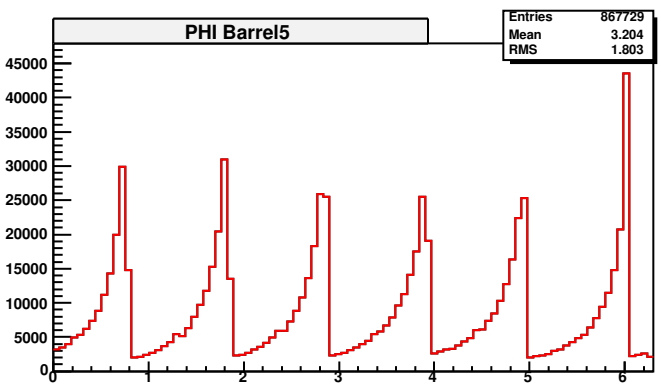

PHI HDisk All
Entries 4207216
Mean 3.267
RMS 1.722
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

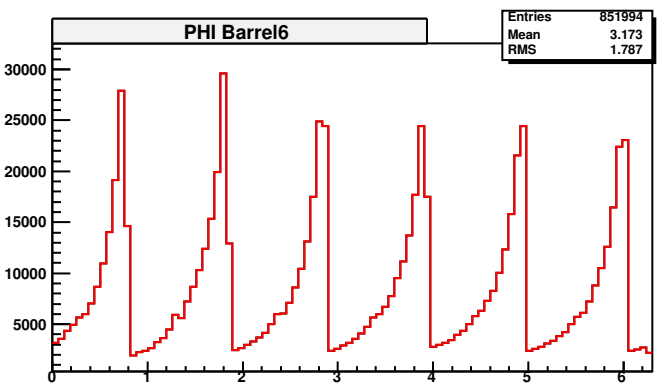


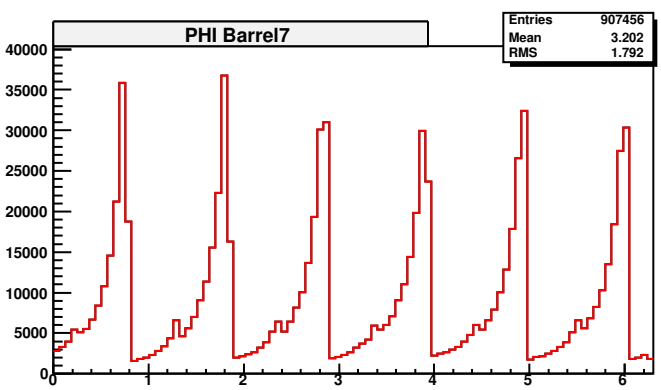


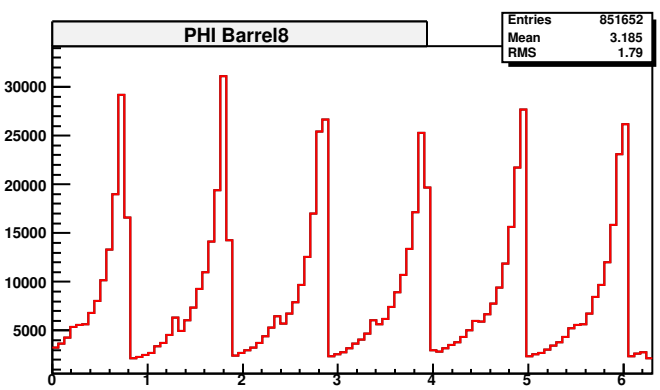




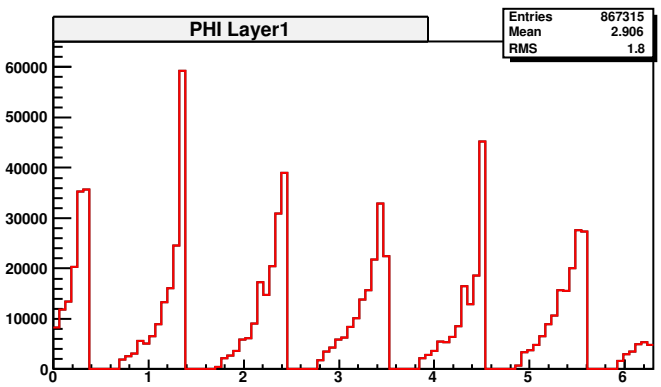


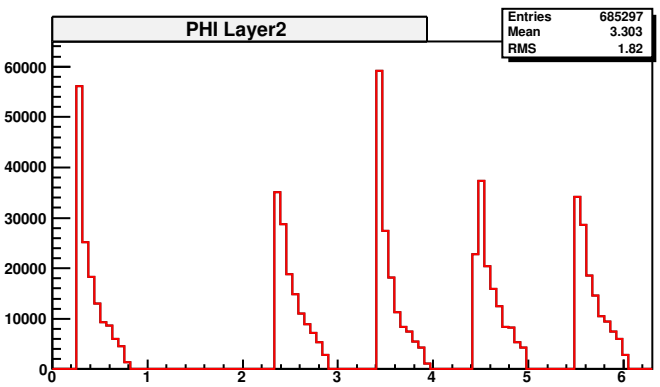


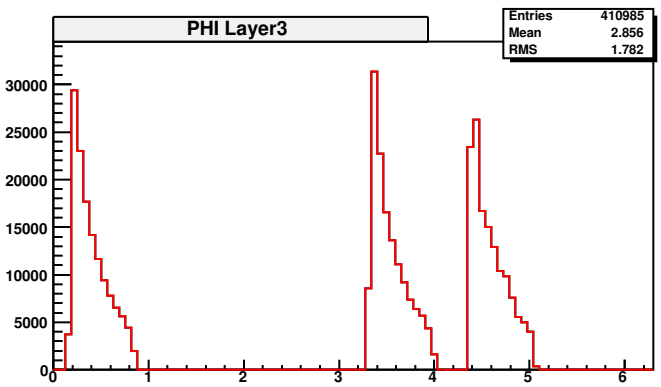


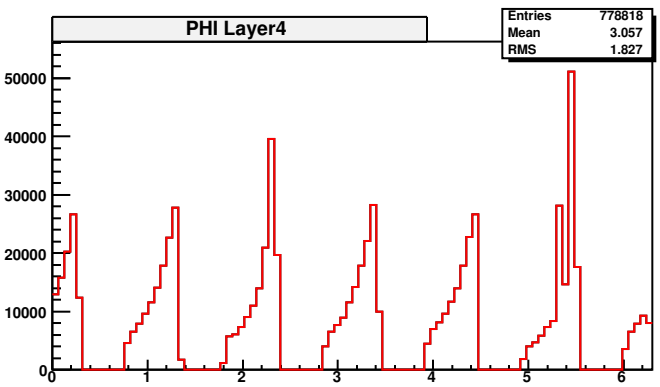


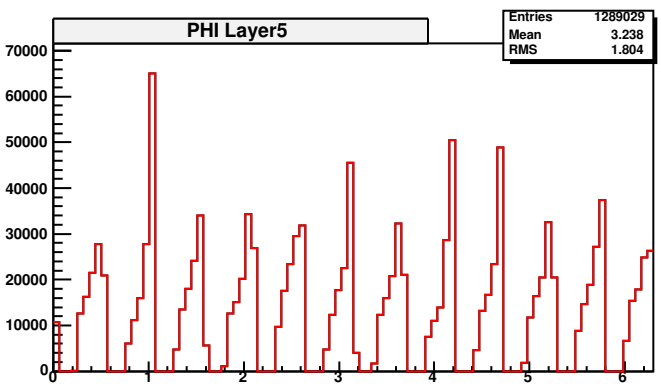
SmtClusters (ClustrLayer0)

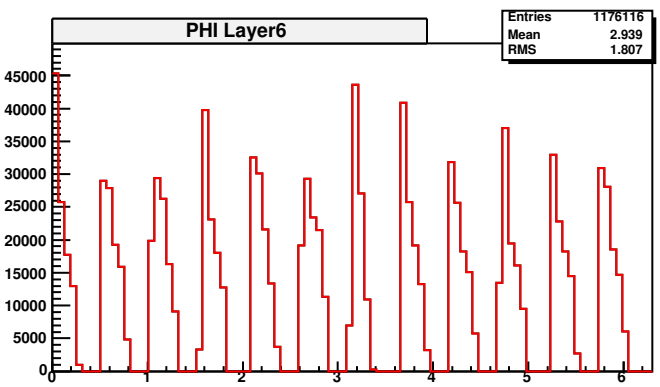


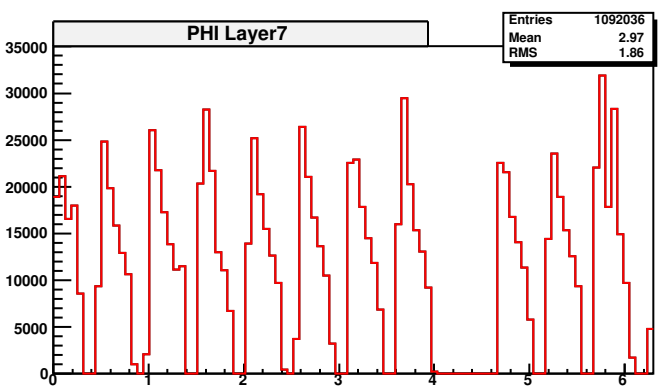


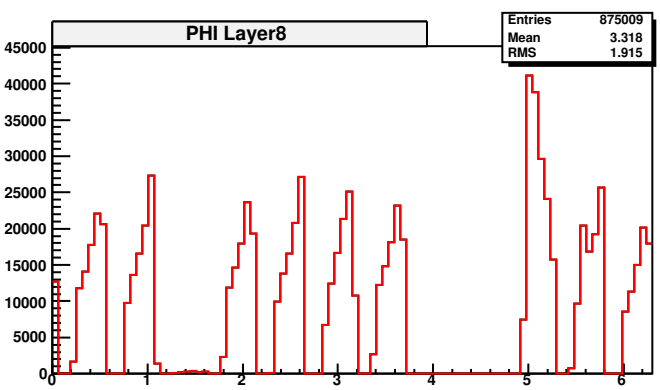




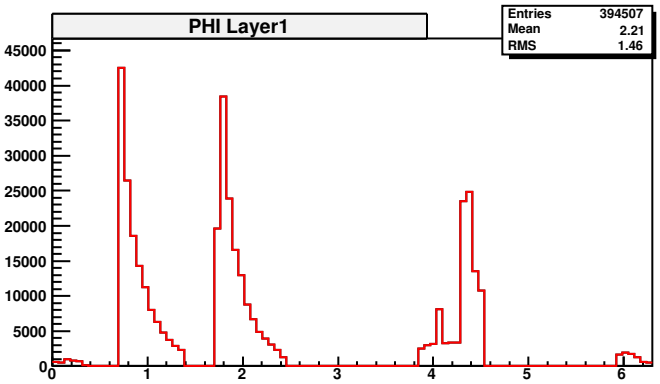


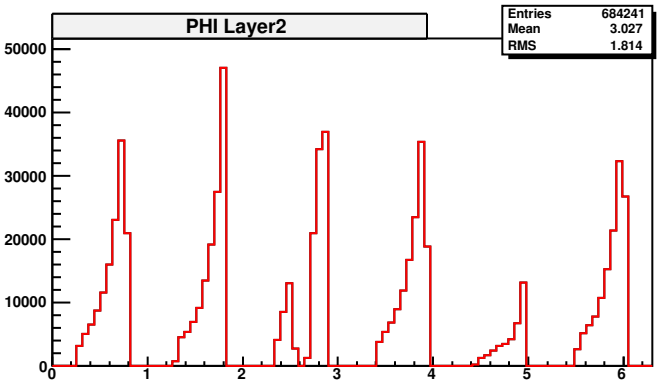


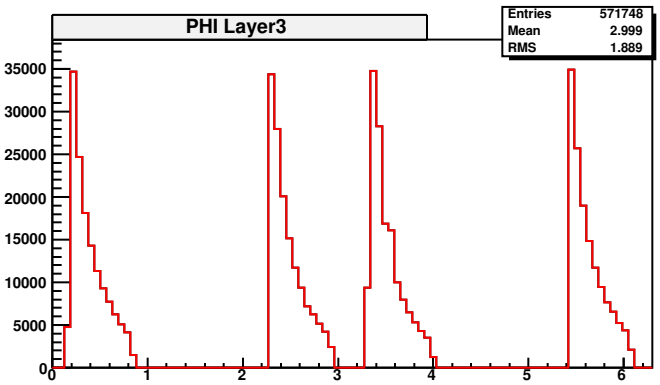


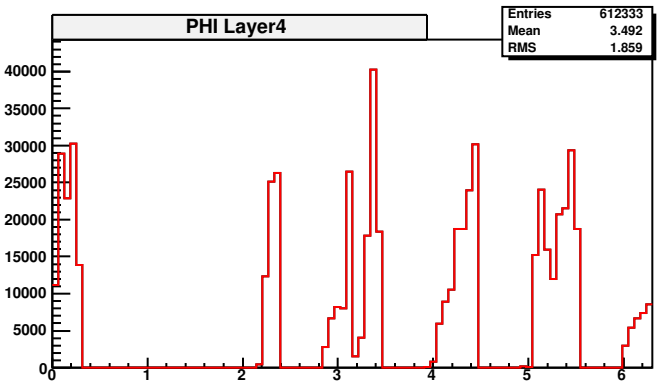


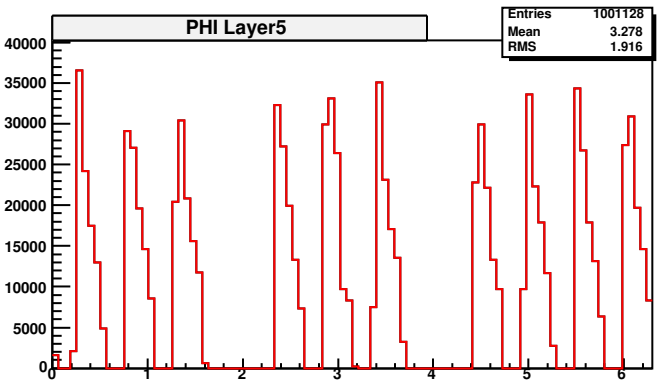
SmtClusters (ClustrBar1)

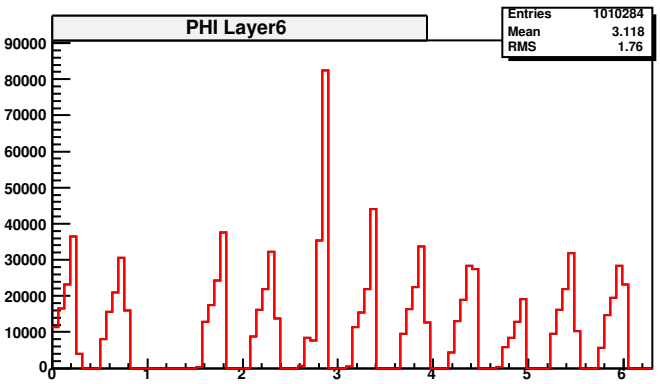


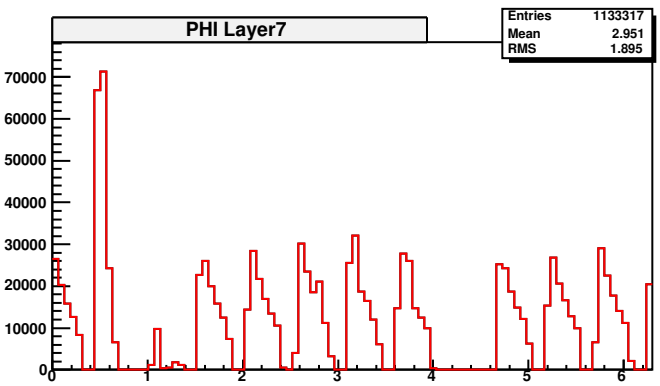


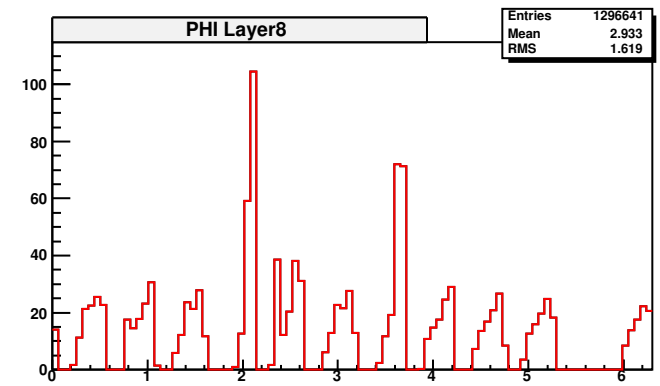




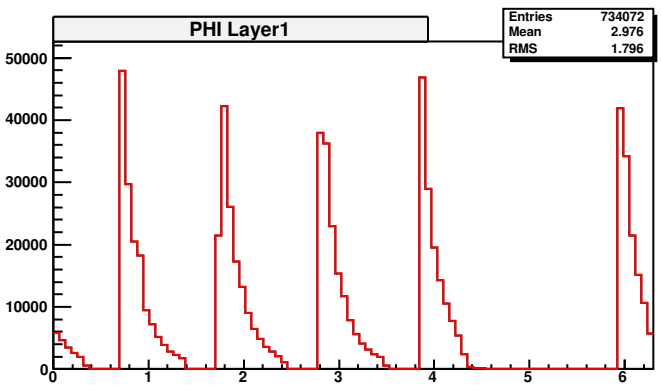


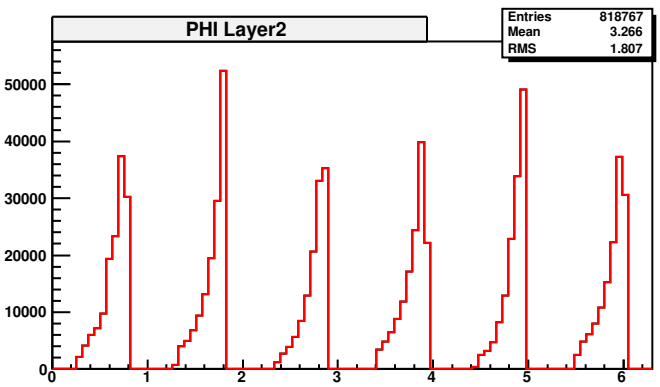


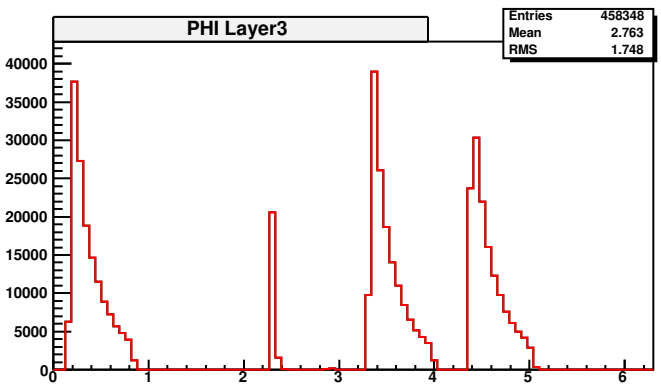


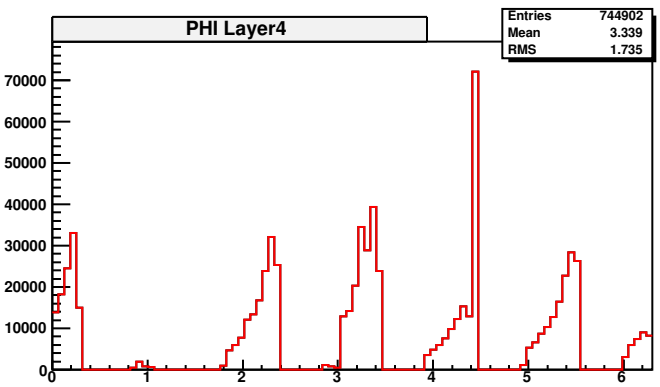


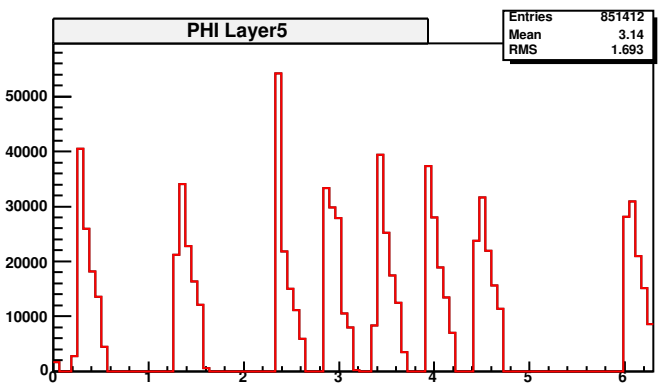
SmtClusters (ClustrBar2)

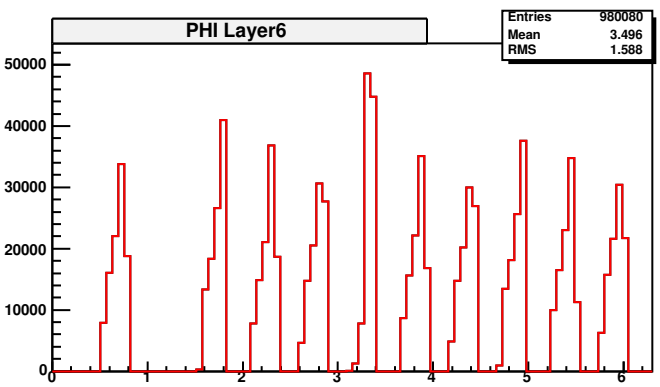


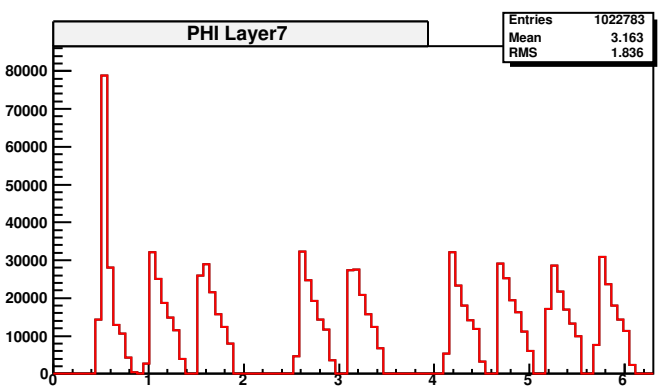


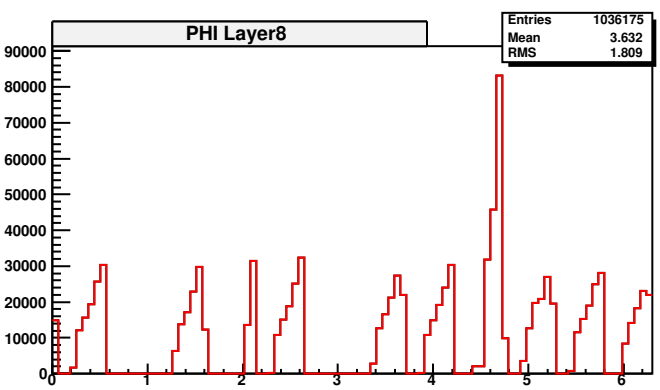




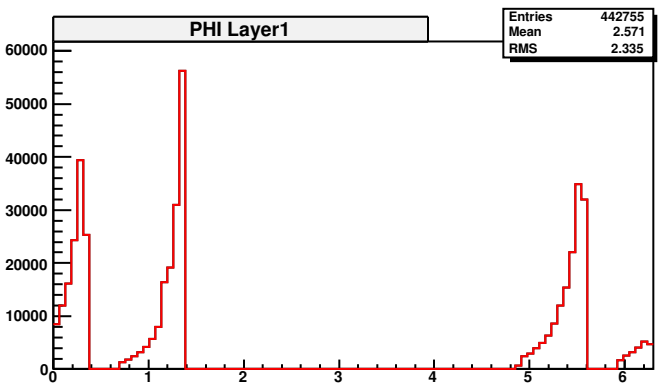


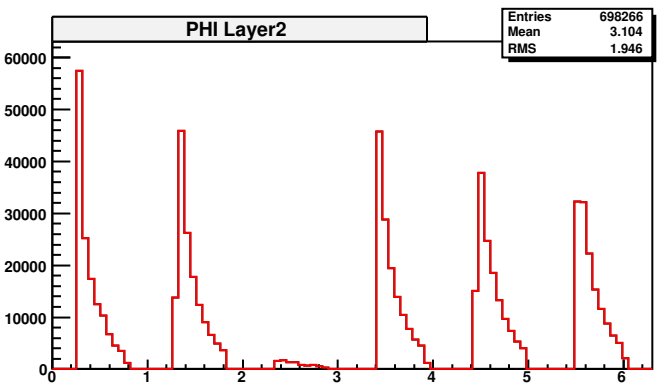


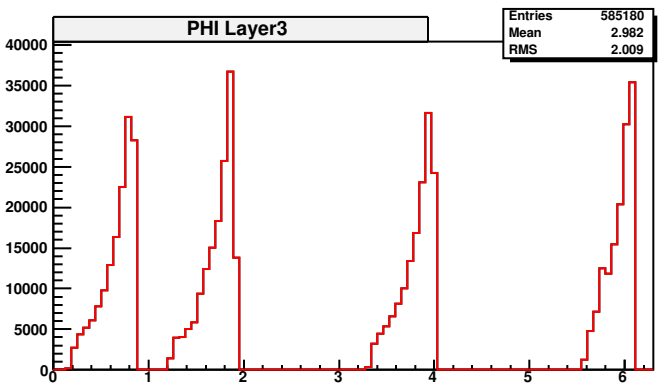


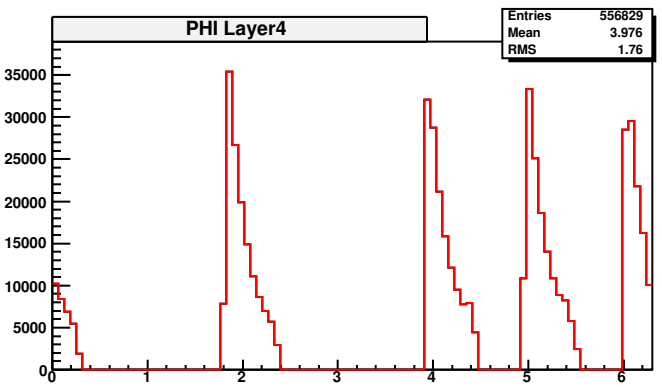


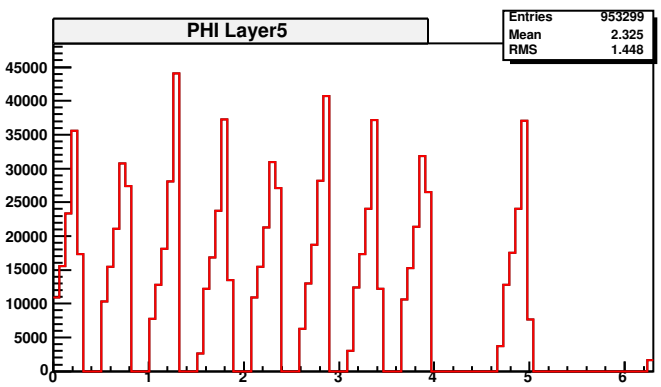
SmtClusters (ClustrBar3)

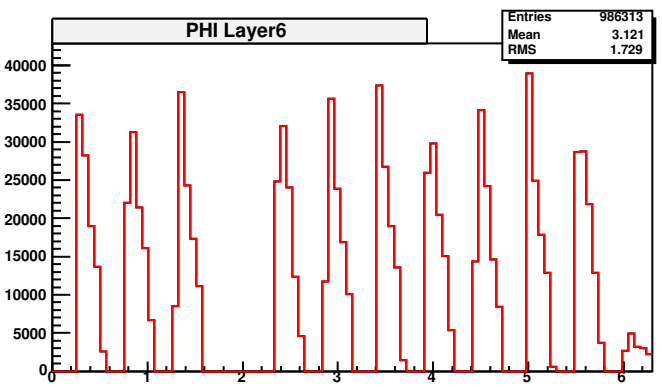


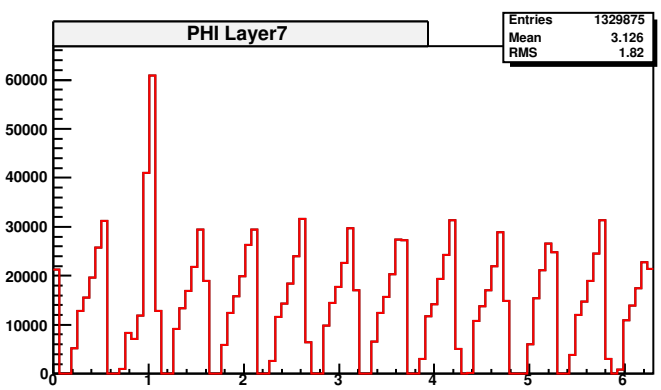


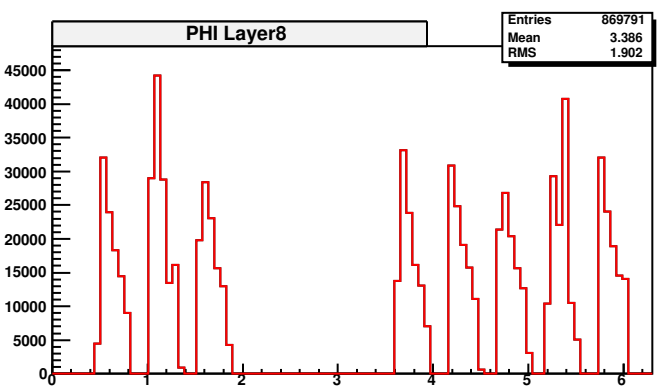




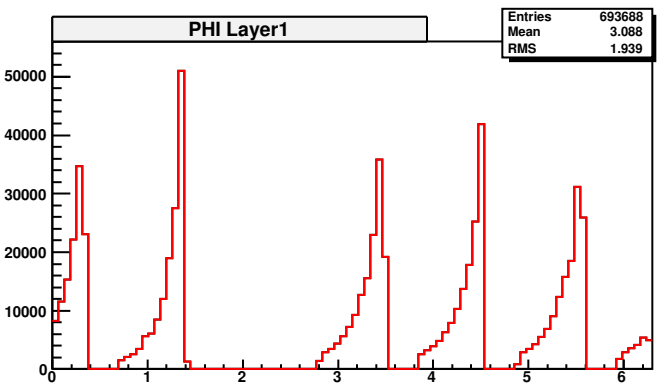


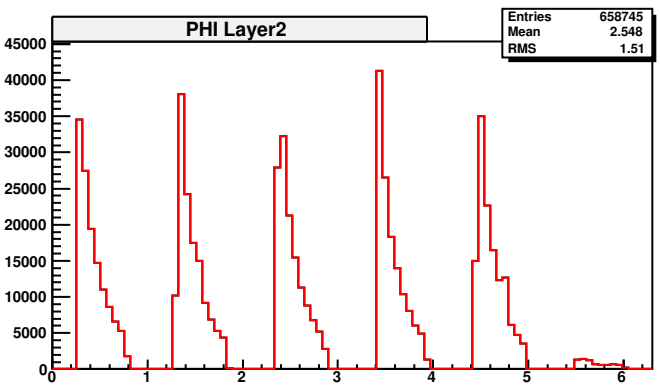


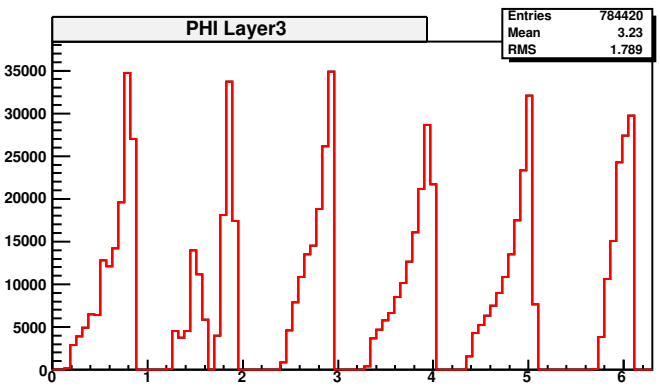


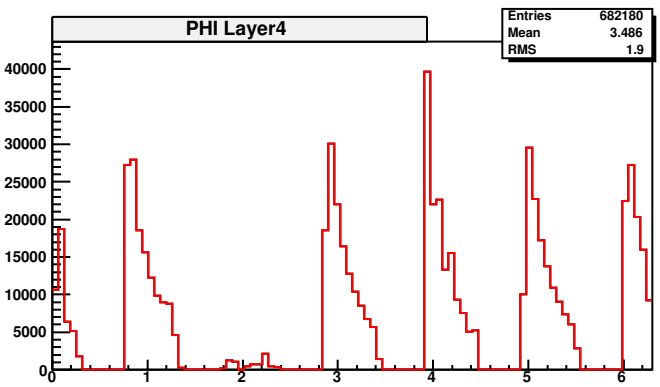


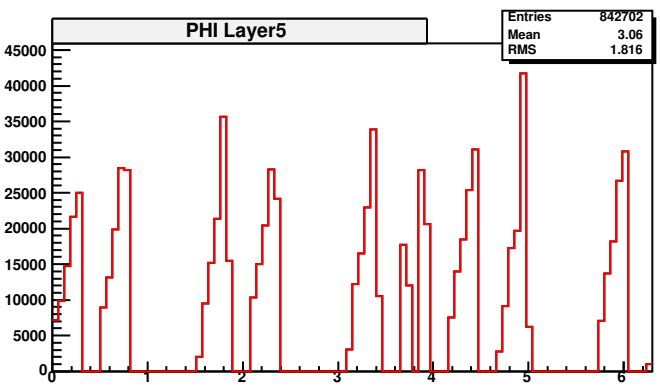
SmtClusters (ClustrBar4)

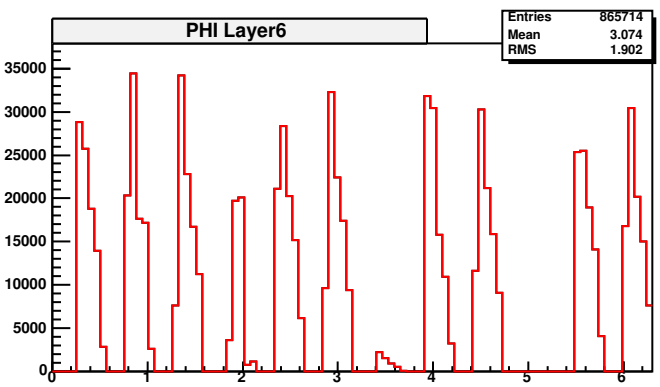


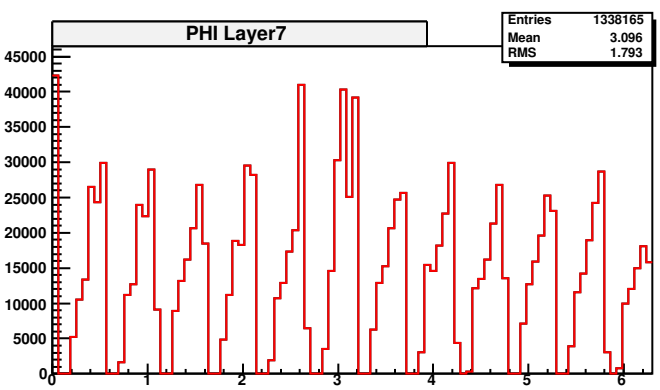


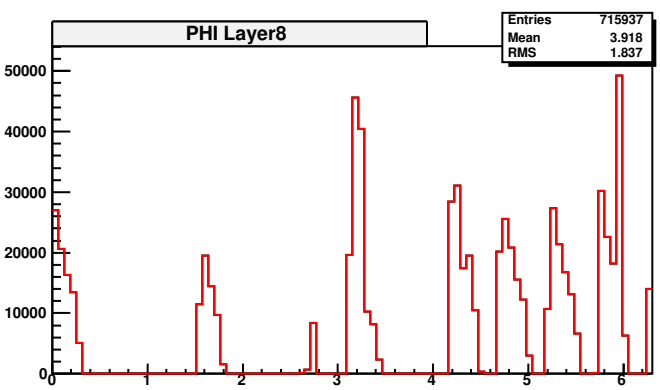




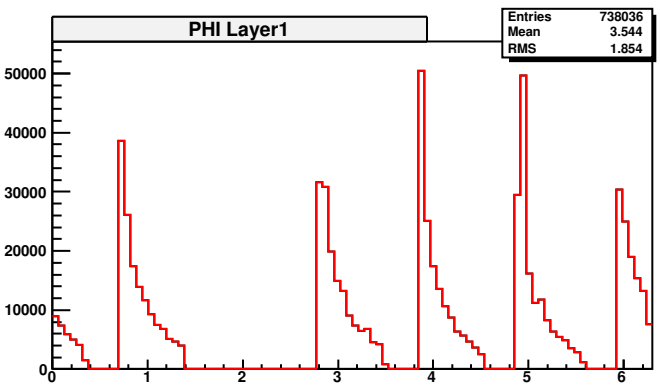


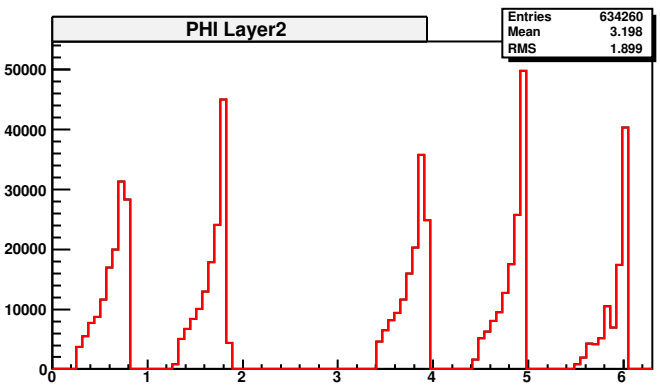


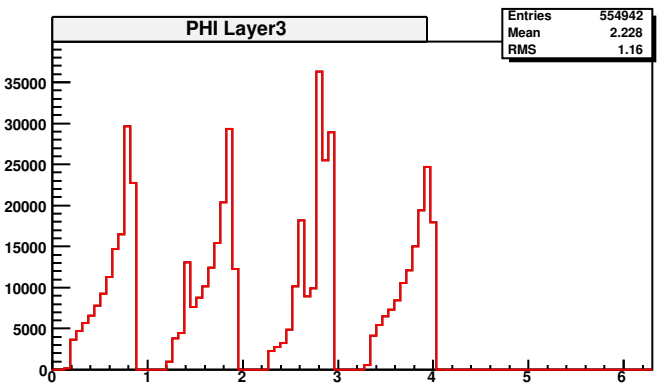


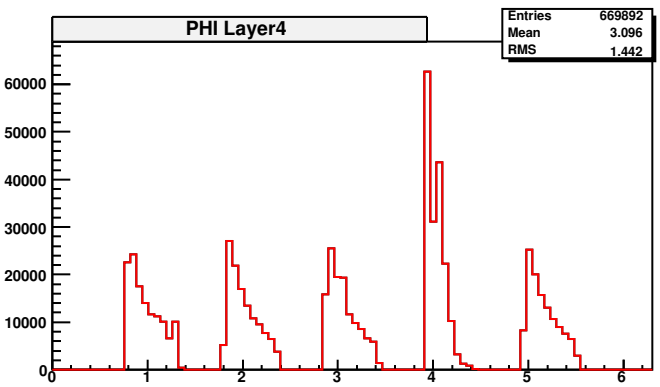


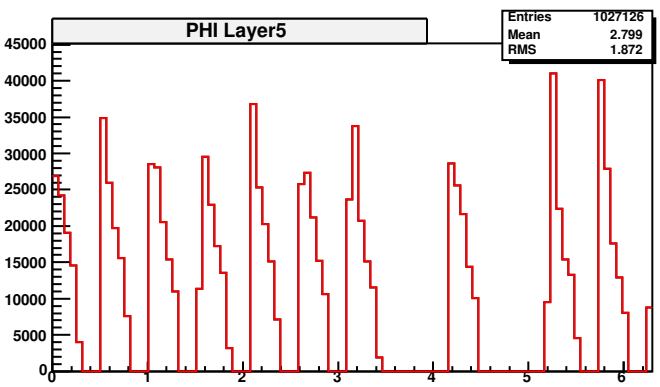
SmtClusters (ClustrBar5)

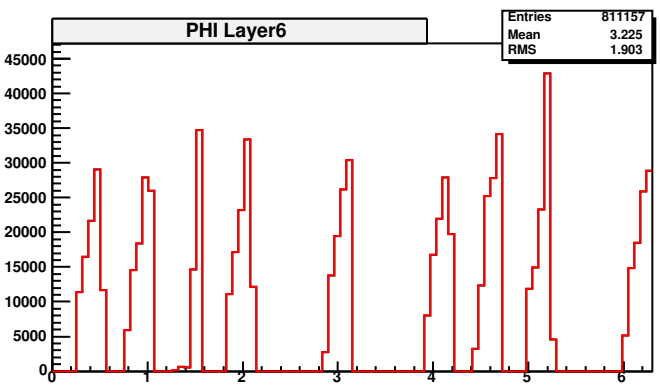


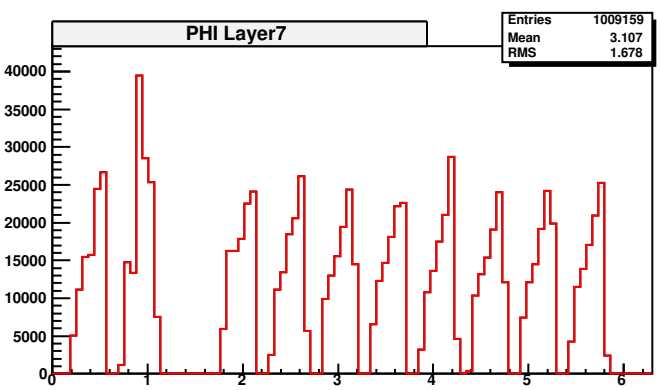


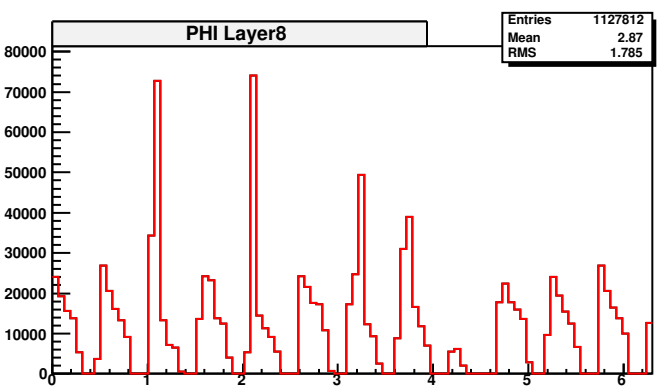




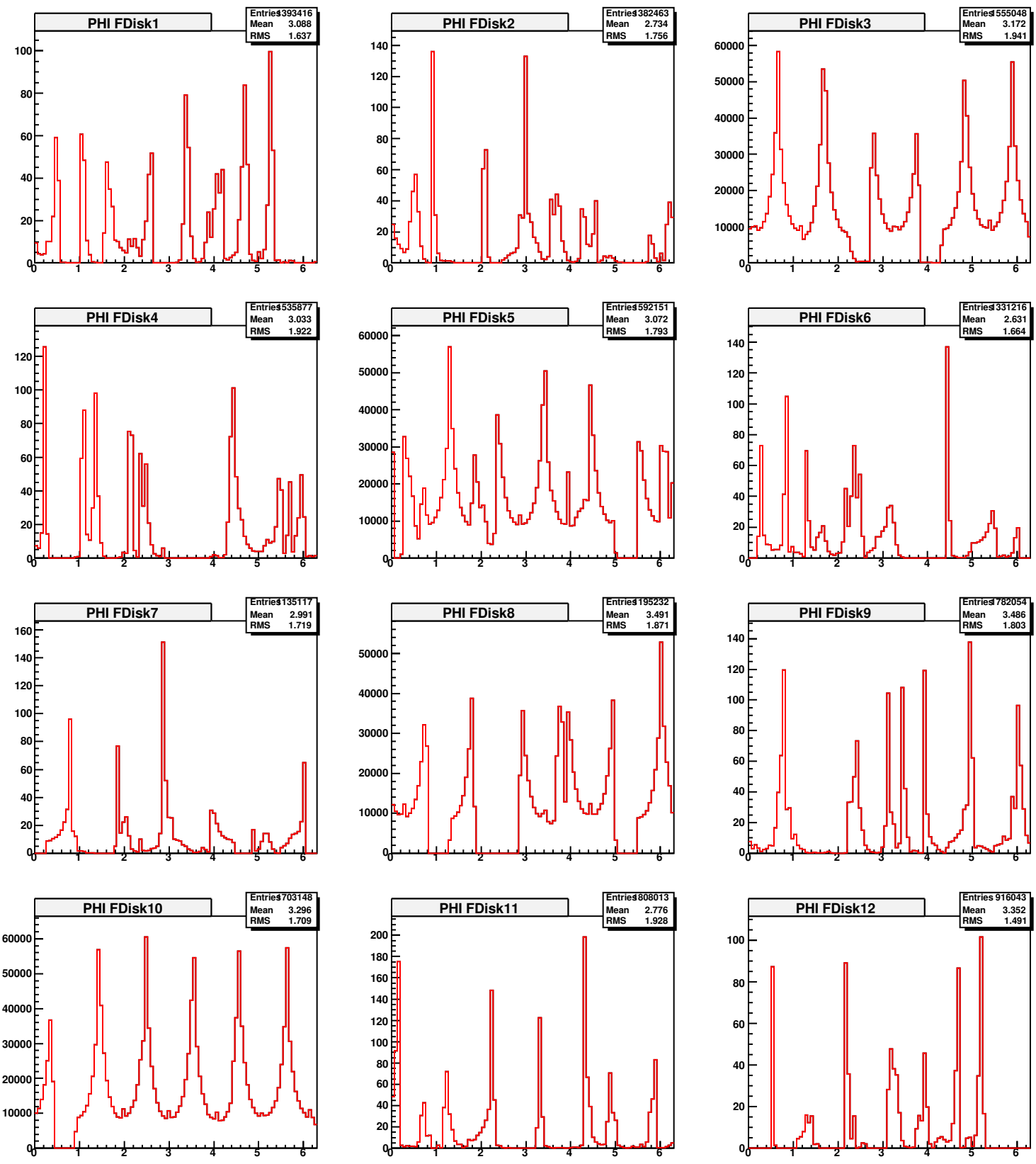




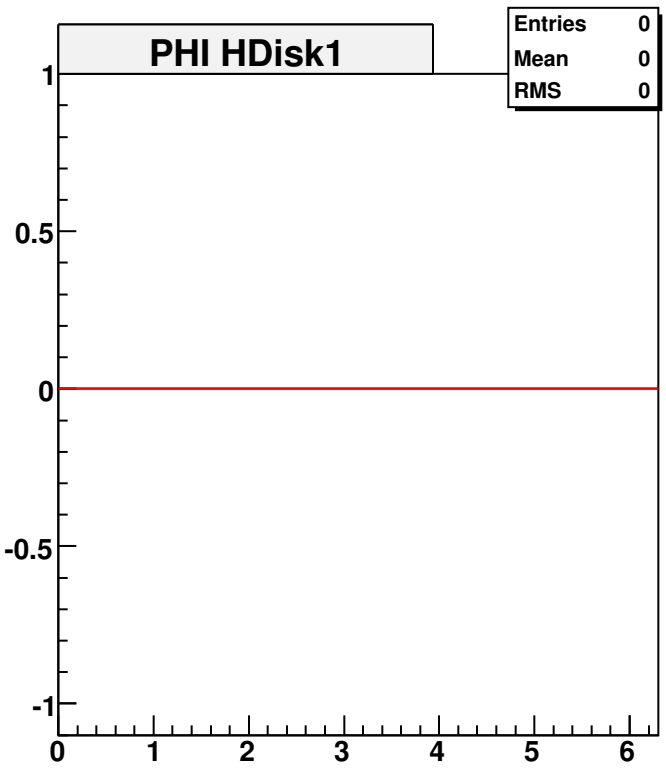


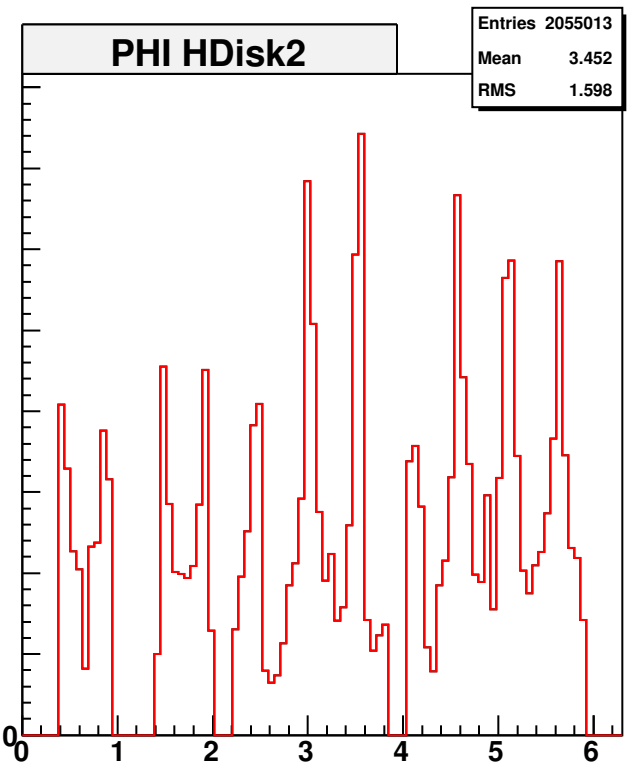


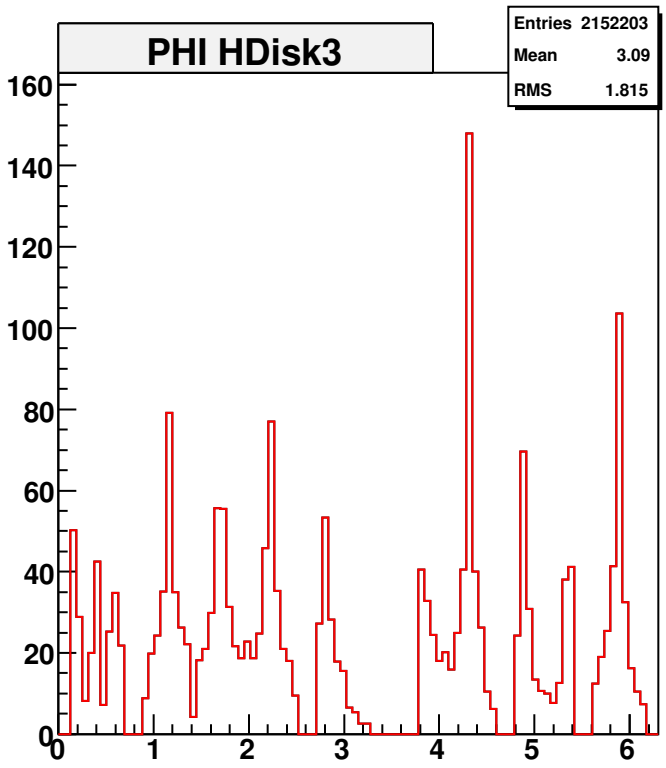
SmtClusters (ClustrBar6)

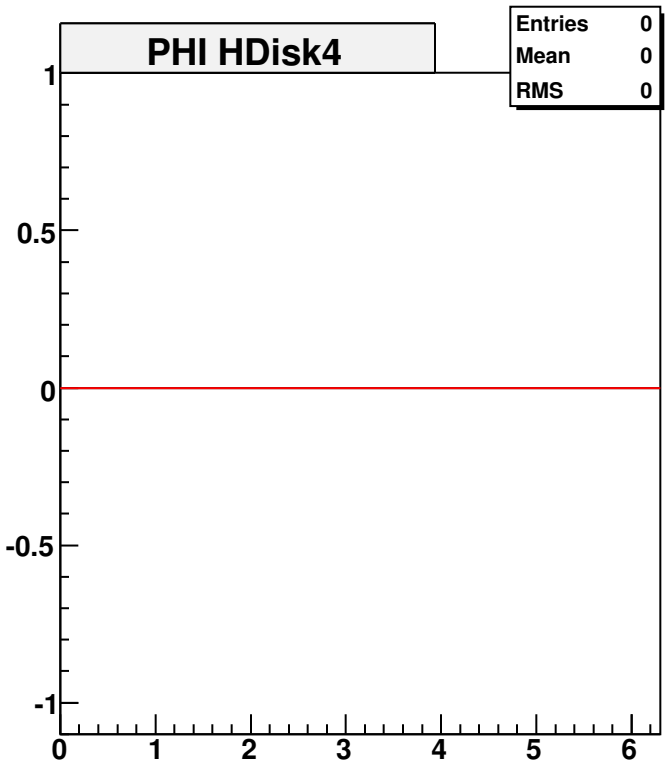


SmtClusters (FDiskClusters)

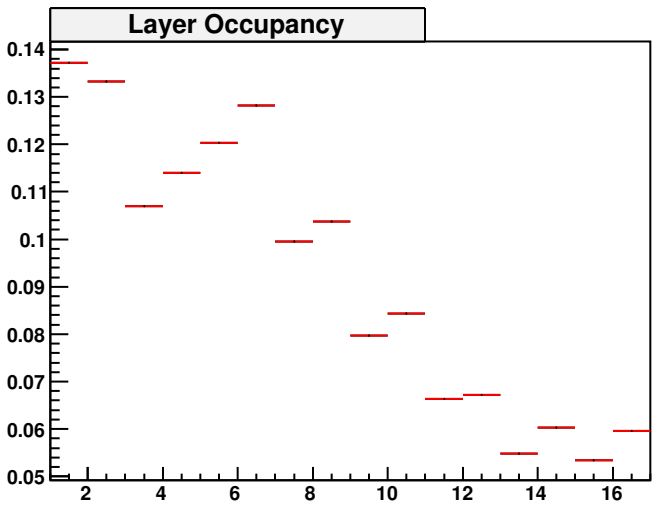


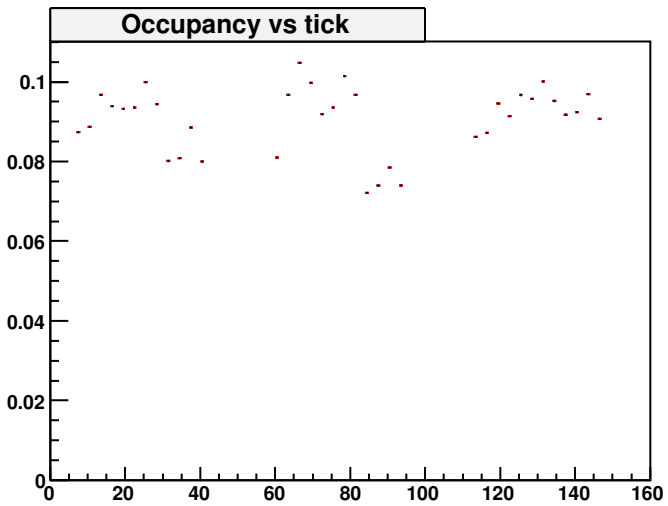


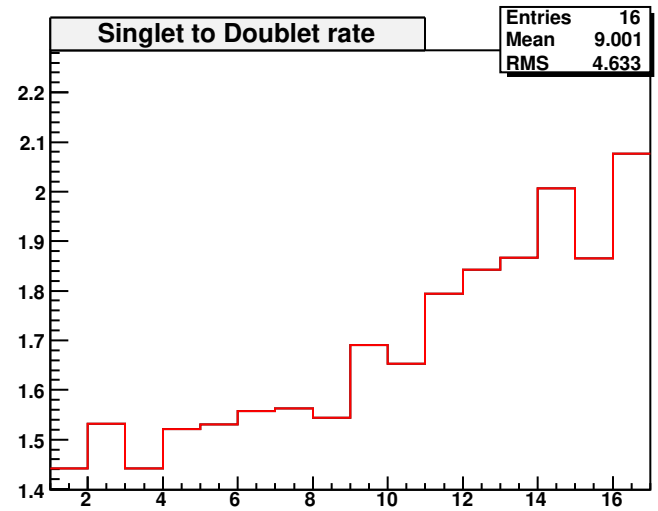


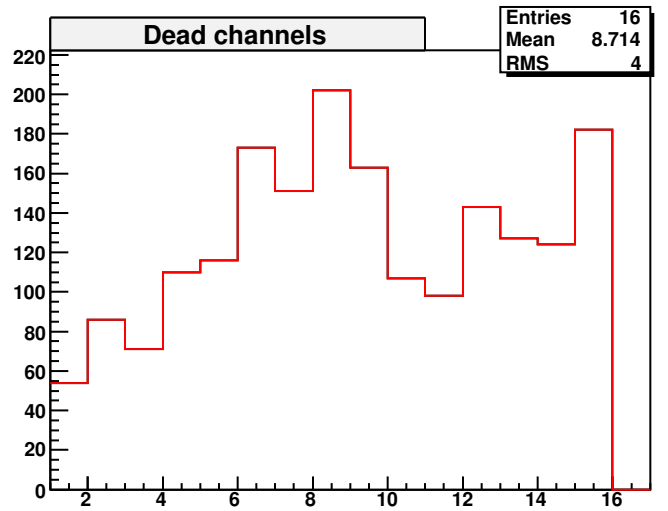


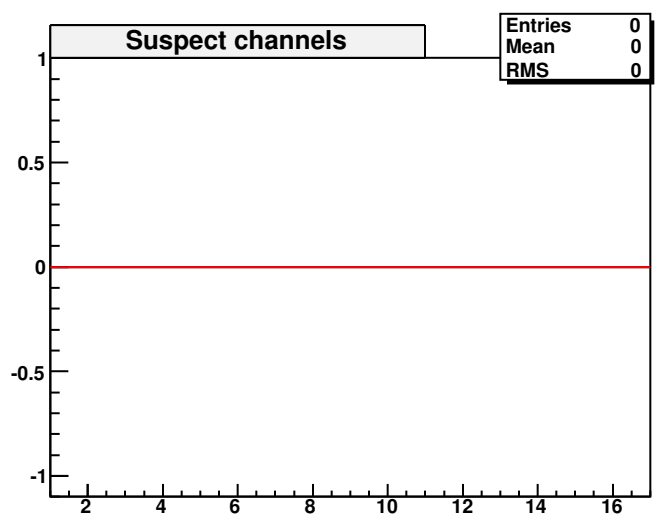
SmtClusters (HDiskClusters)

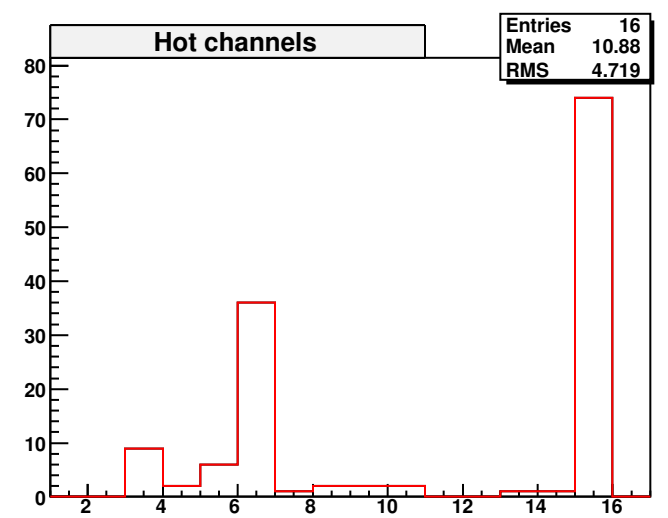




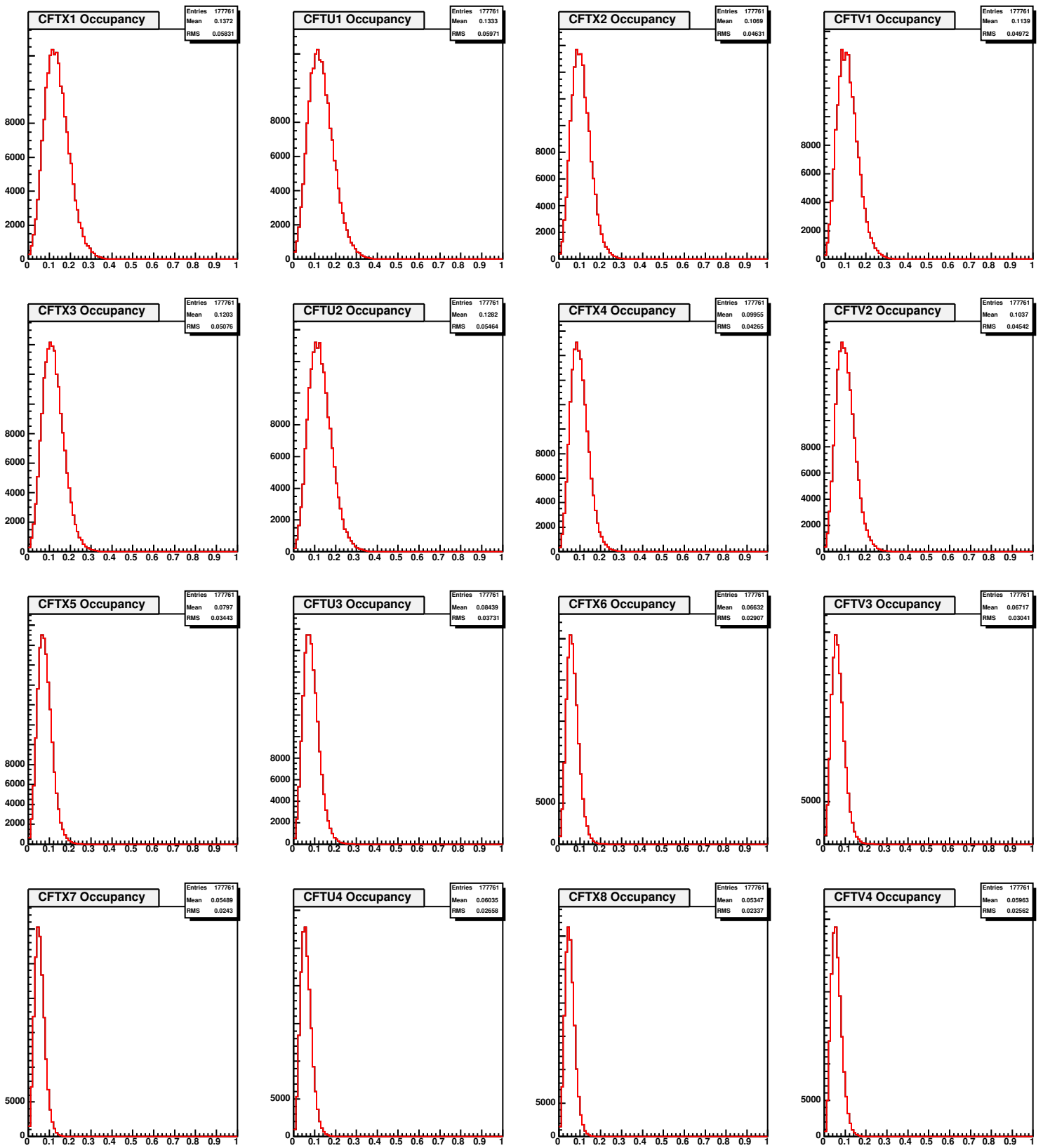




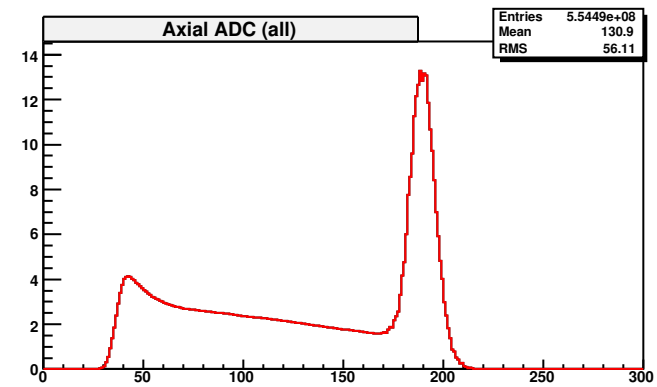


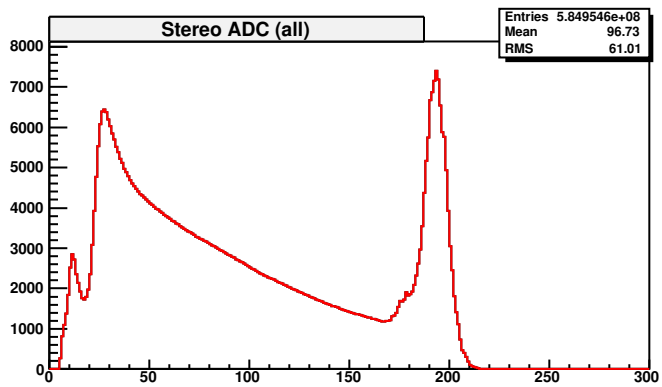


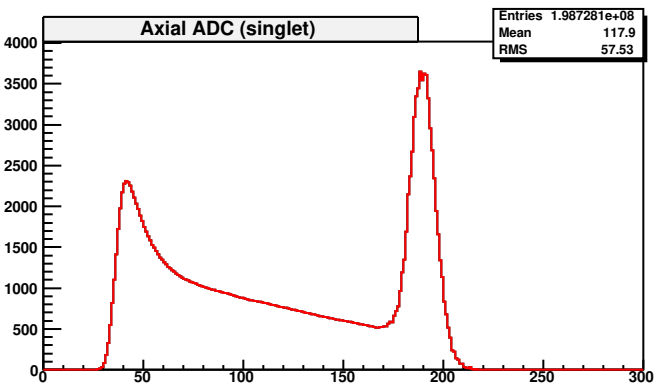
CFT Summary (All Clusters)

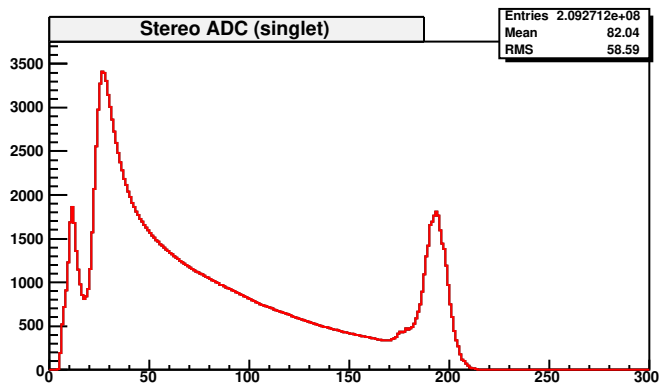


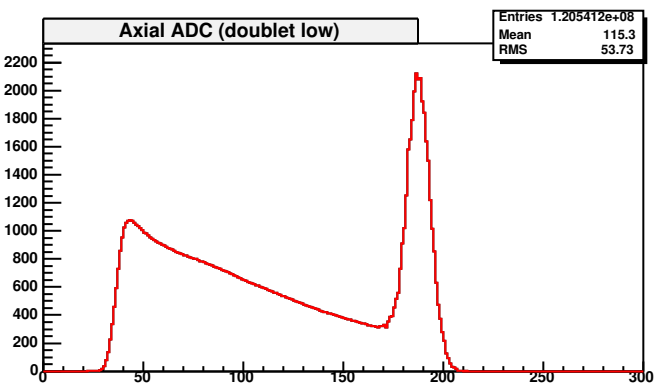
CFT Occupancy (All Clusters)

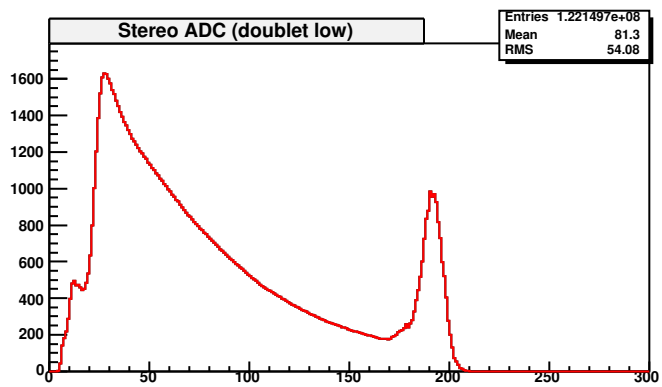


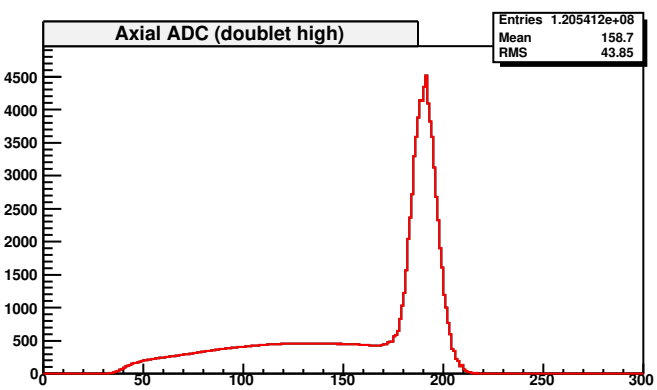


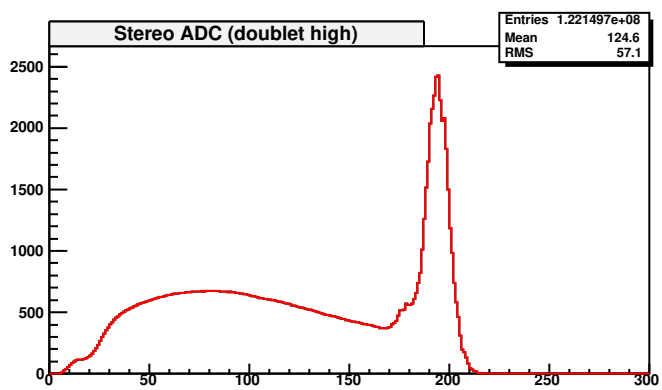




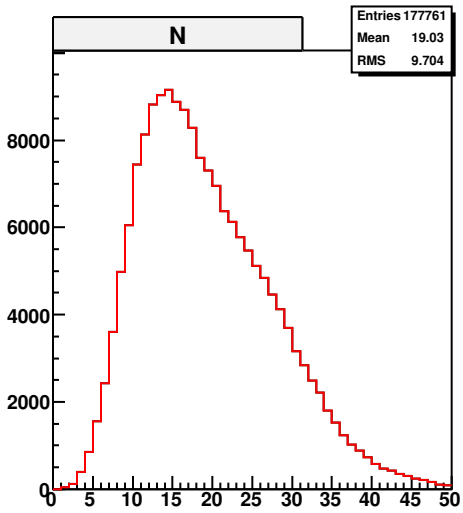


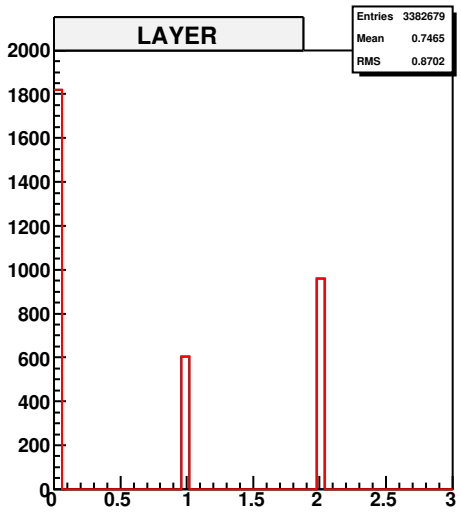


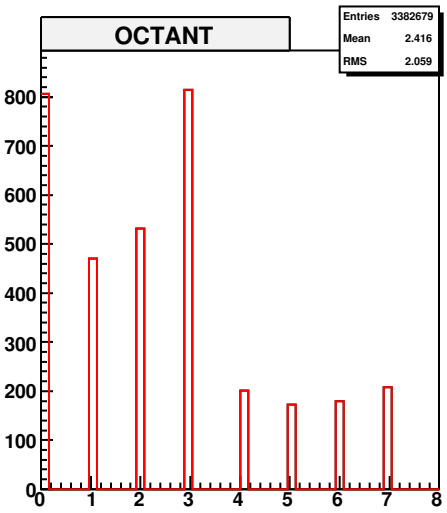


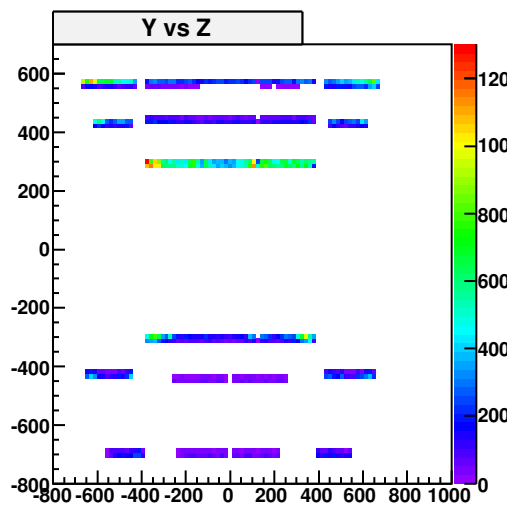


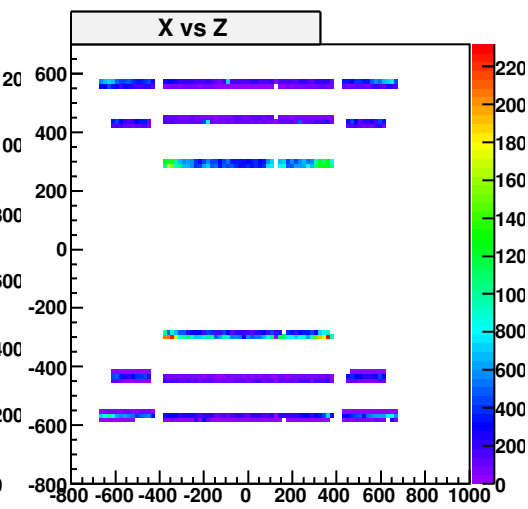
CFT ADC Summary (All Clusters)

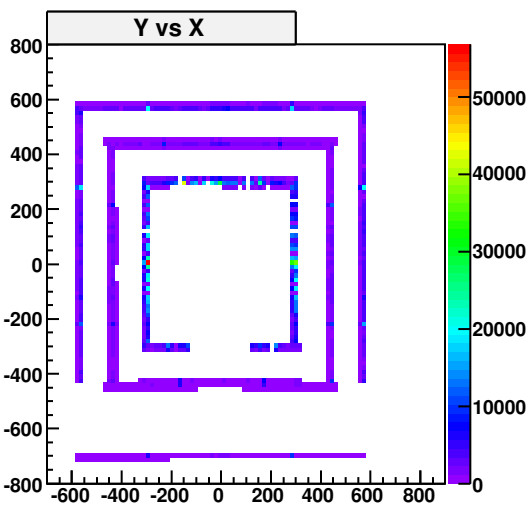

N
Entries 177761
Mean 19.03
RMS 9.704

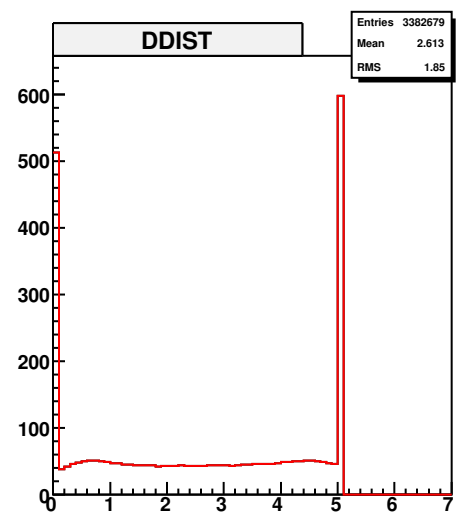

LAYER
Entries 3382679
Mean 0.7465
RMS 0.8702

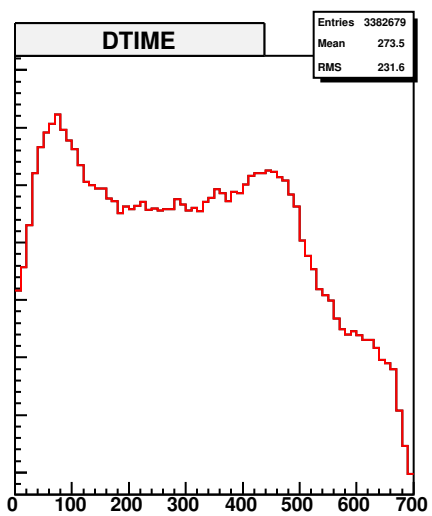

OCTANT
Entries 3382679
Mean 2.416
RMS 2.059


Y vs Z

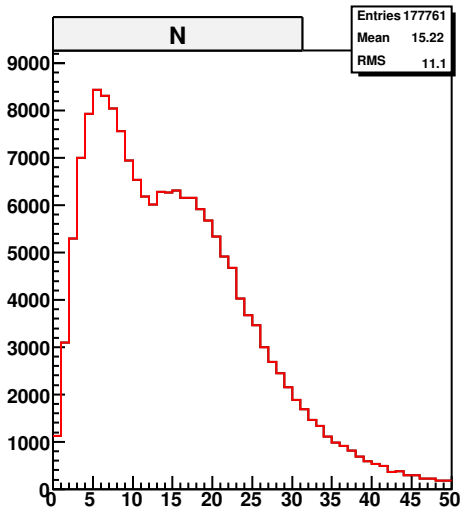

X vs Z

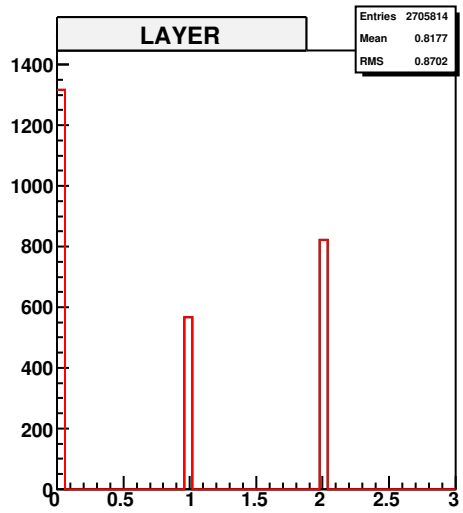

Y vs X

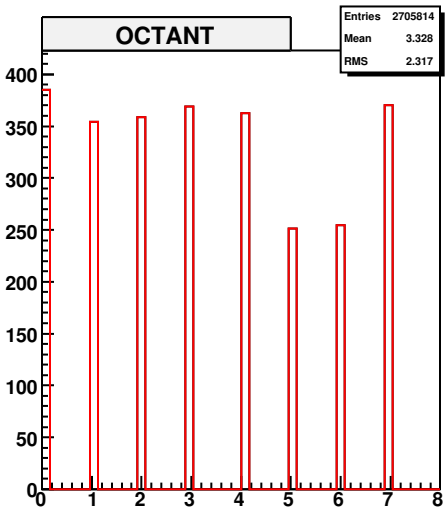

DDIST
Entries 3382679
Mean 2.613
RMS 1.85

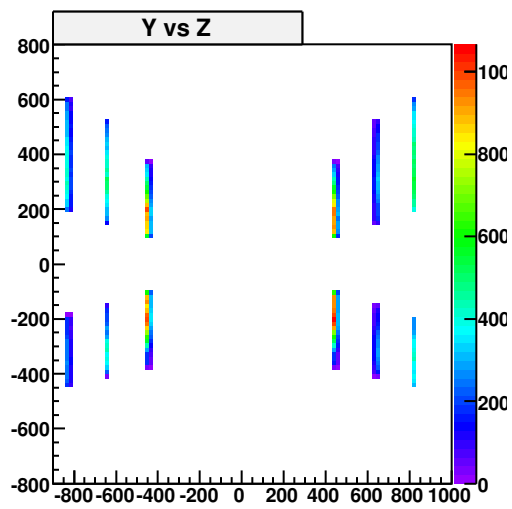

DTIME
Entries 3382679
Mean 273.5
RMS 231.6

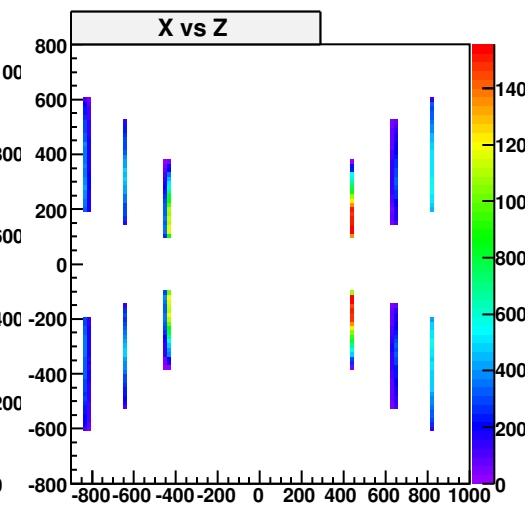
MuonPDT (All)

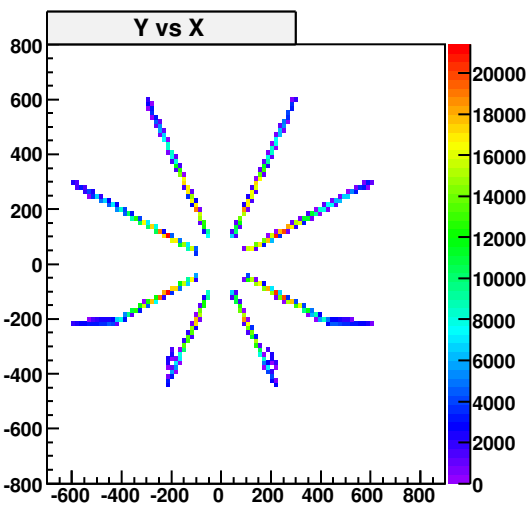

N
Entries 177761
Mean 15.22
RMS 11.1

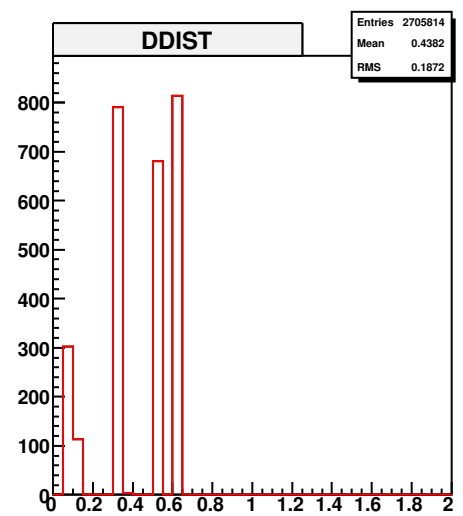

LAYER
Entries 2705814
Mean 0.8177
RMS 0.8702

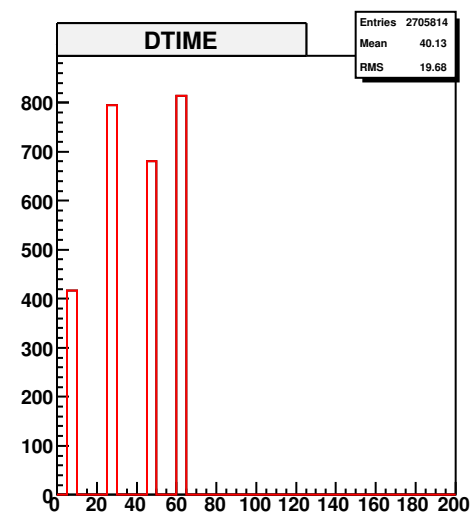

OCTANT
Entries 2705814
Mean 3.328
RMS 2.317


Y vs Z

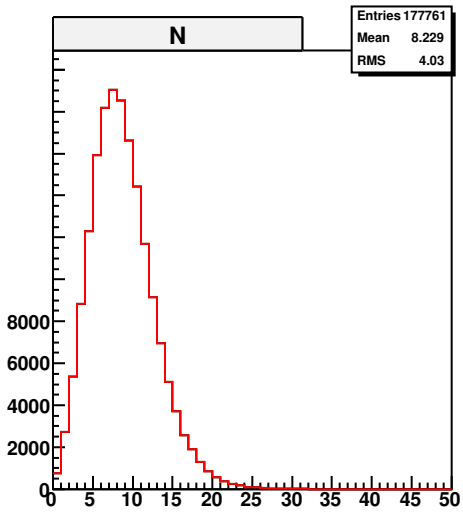

X vs Z

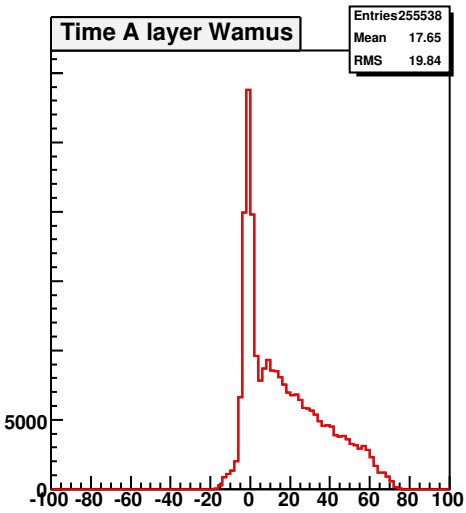

Y vs X

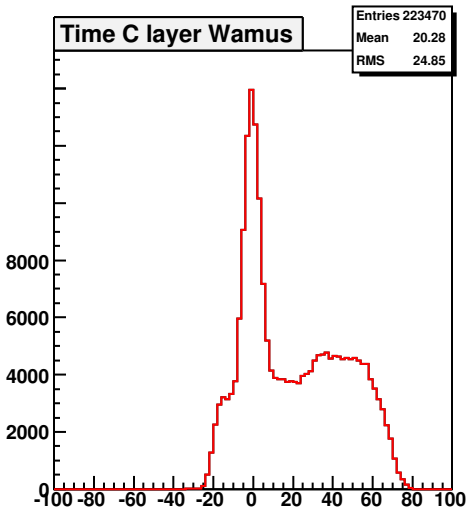

DDIST
Entries 2705814
Mean 0.4382
RMS 0.1872

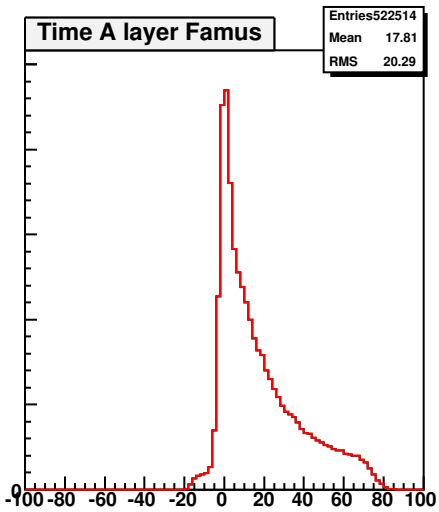

DTIME
Entries 2705814
Mean 40.13
RMS 19.68

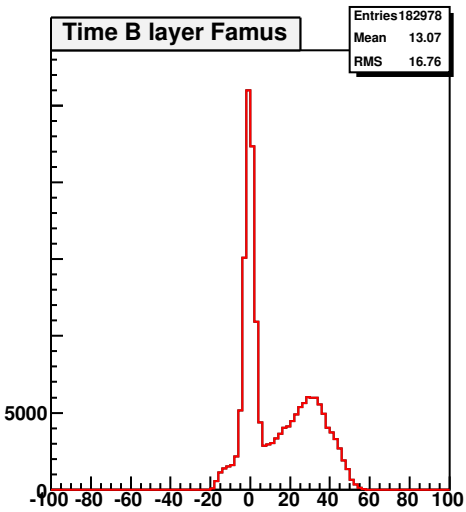
MuonMDT (All)

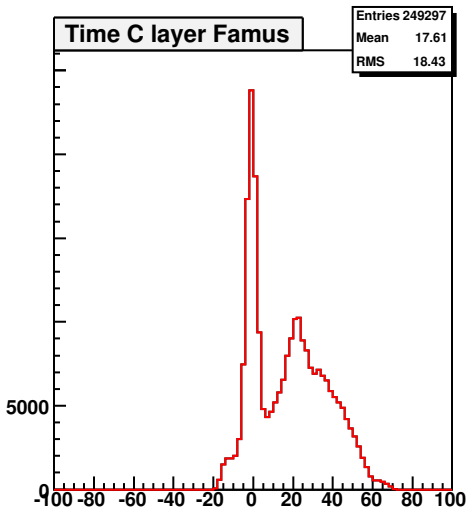

N
Entries 177761
Mean 8.229
RMS 4.03

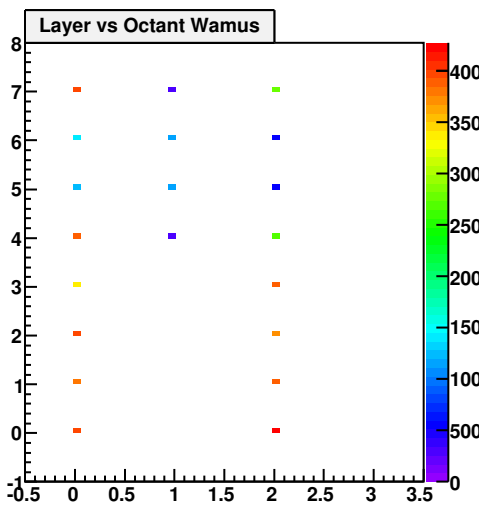

Time A layer Wamus
Entries 255538
Mean 17.65
RMS 19.84

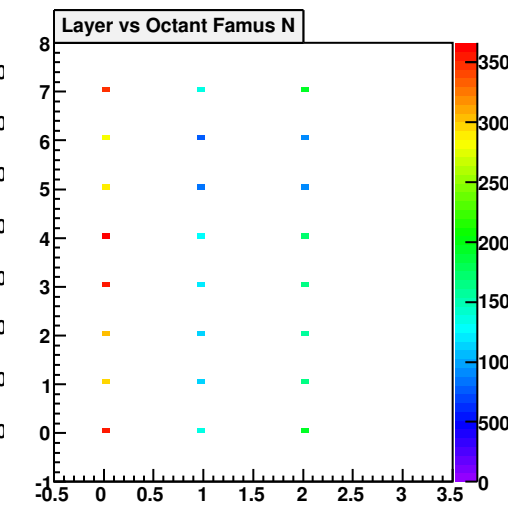

Time C layer Wamus
Entries 223470
Mean 20.28
RMS 24.85

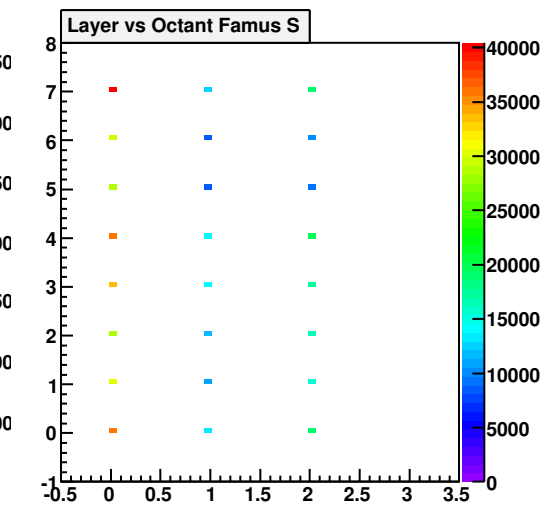

Time A layer Famus
Entries 522514
Mean 17.81
RMS 20.29


Time B layer Famus
Entries 182978
Mean 13.07
RMS 16.76

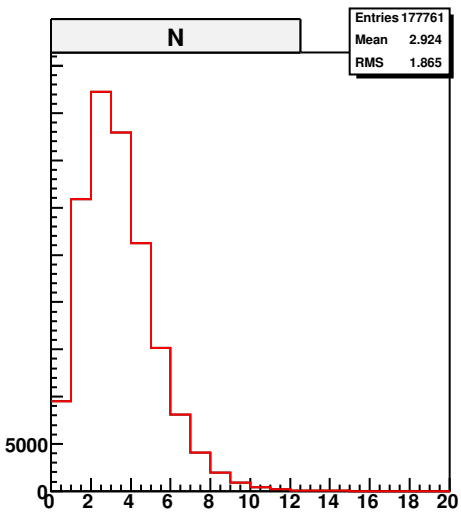

Time C layer Famus
Entries 249297
Mean 17.61
RMS 18.43

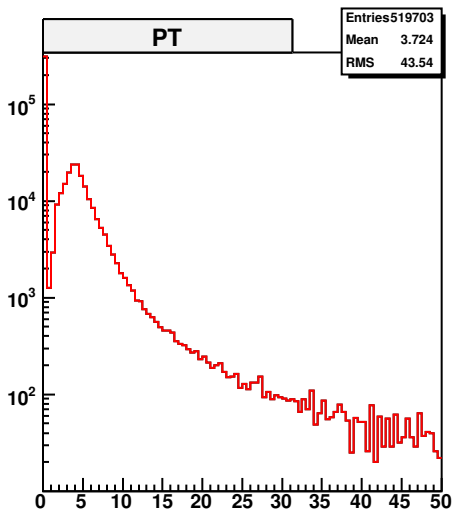

Layer vs Octant Wamus

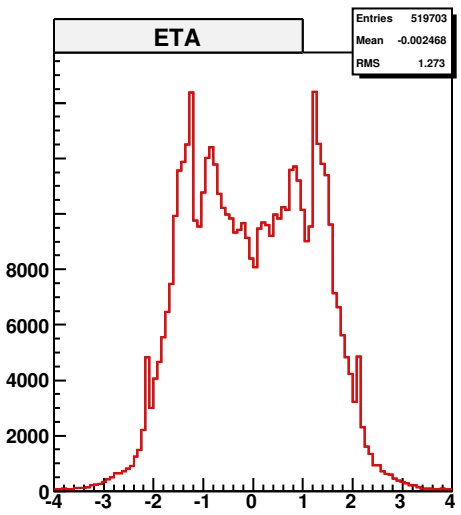

Layer vs Octant Famus N

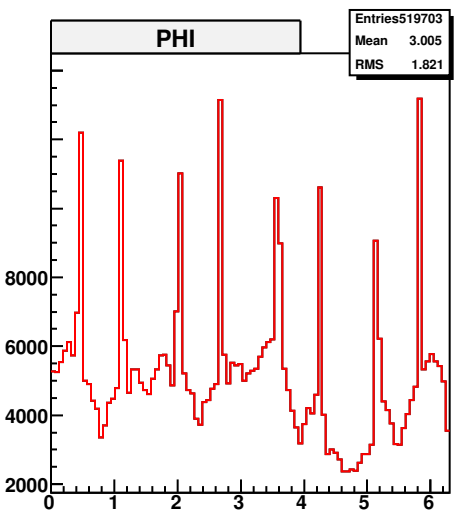

Layer vs Octant Famus S

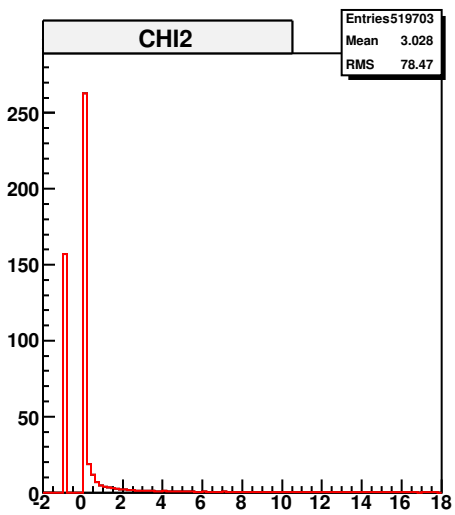
MuonMSC (All)

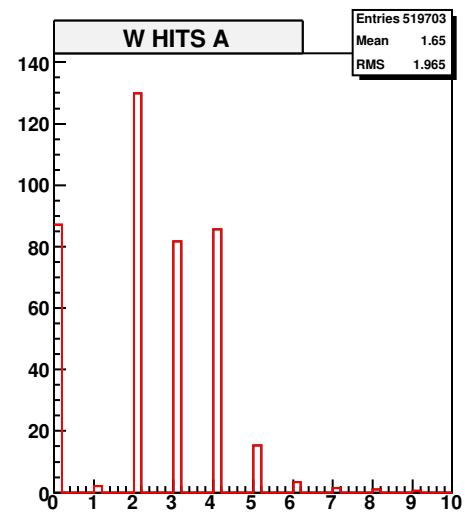


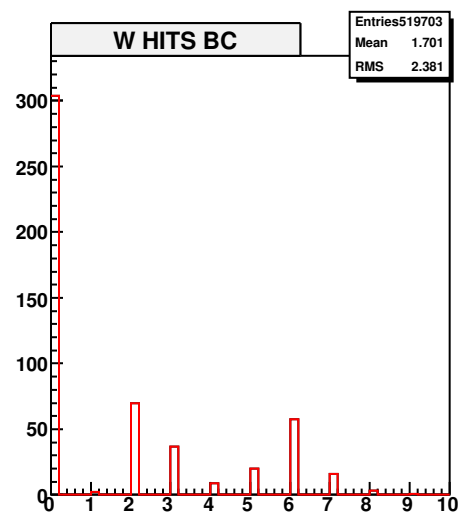


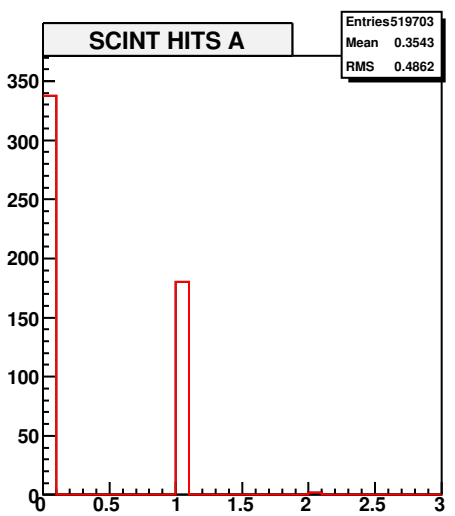


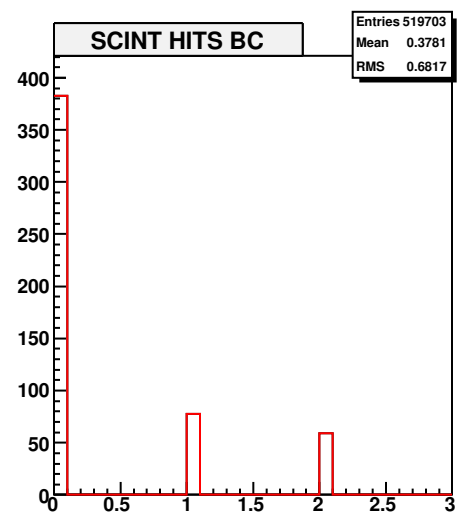




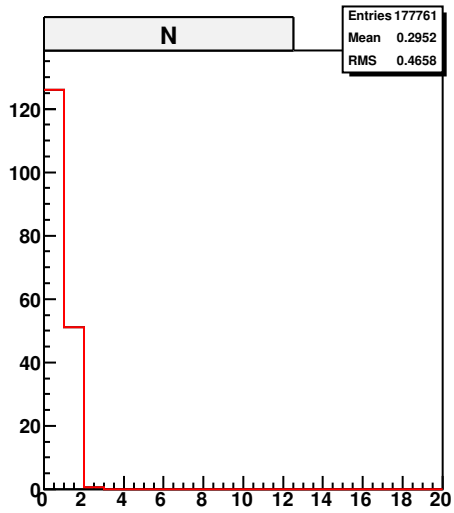


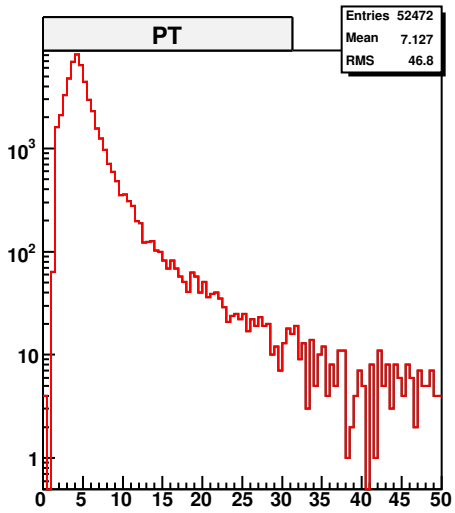


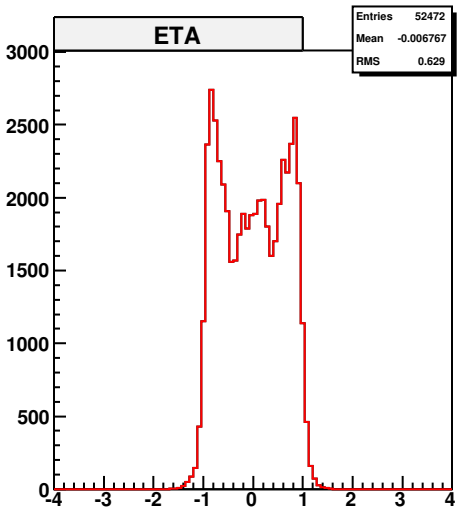


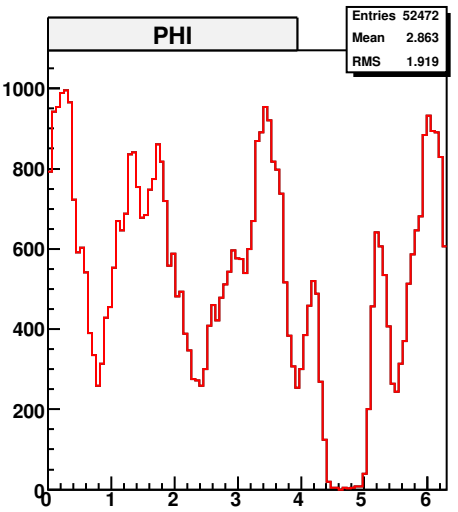


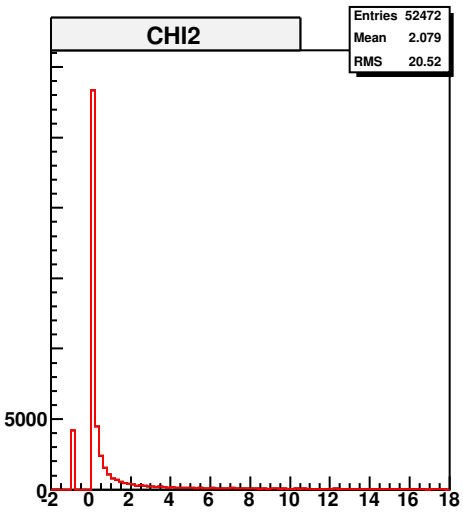
Muon Local Tracks (All)

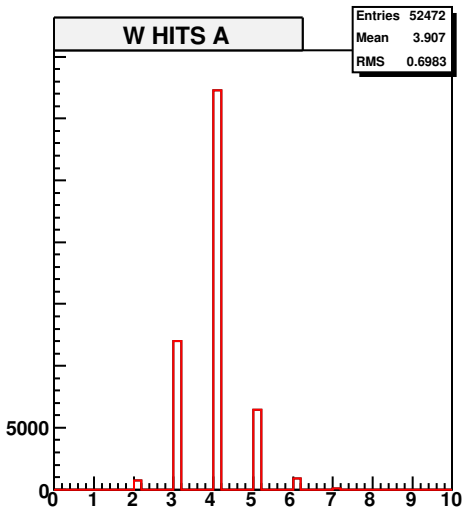


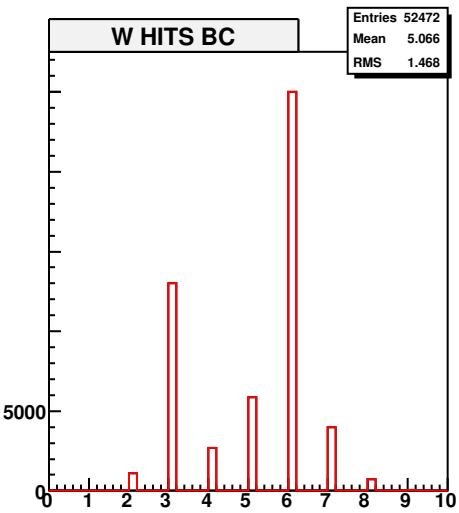


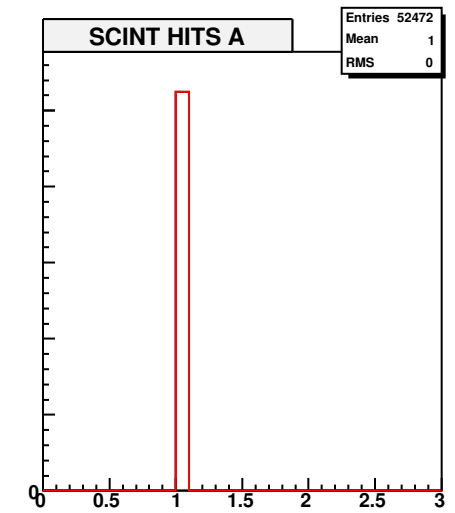


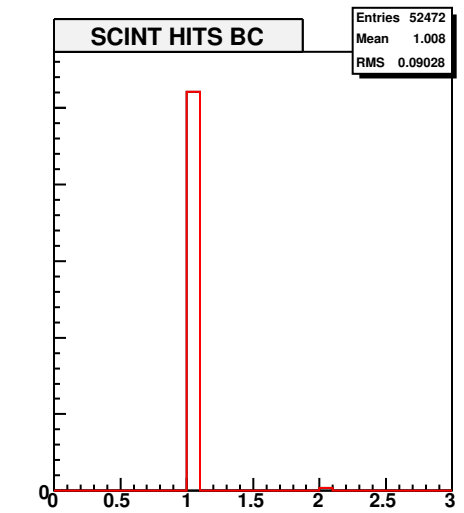




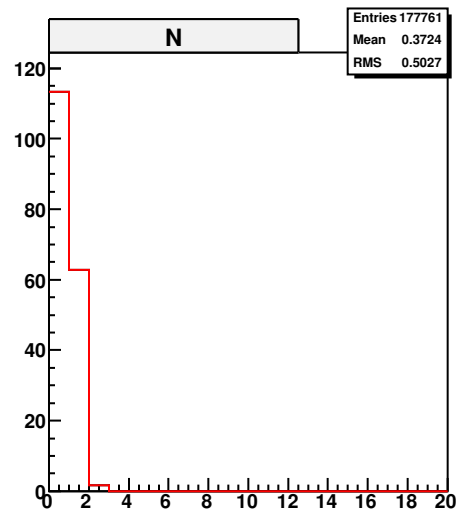


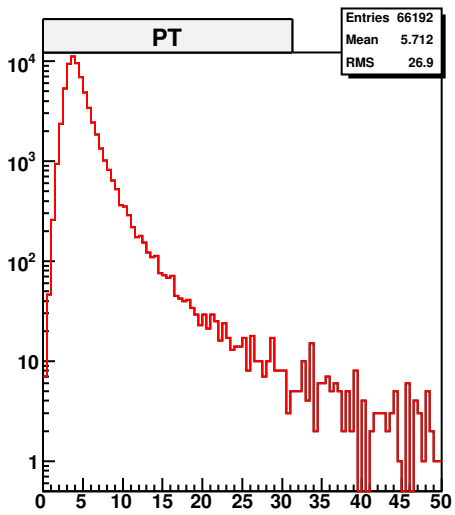


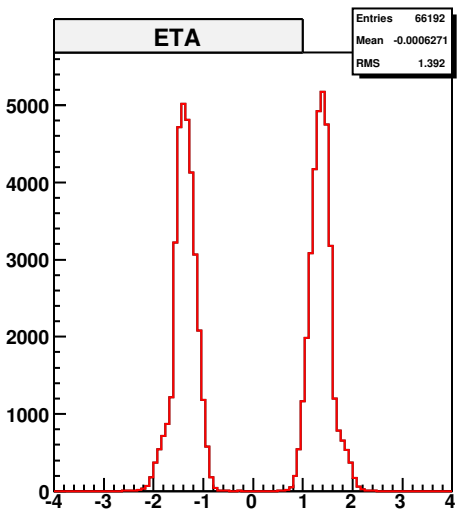


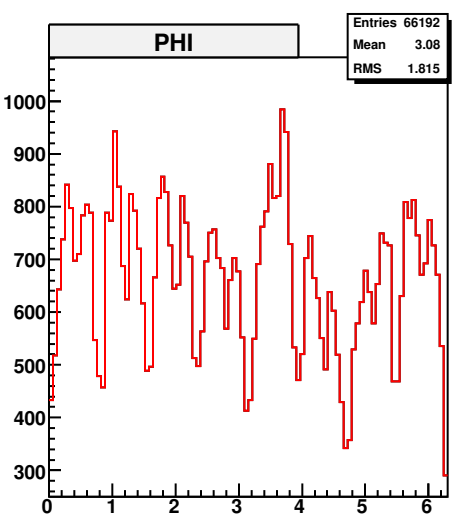


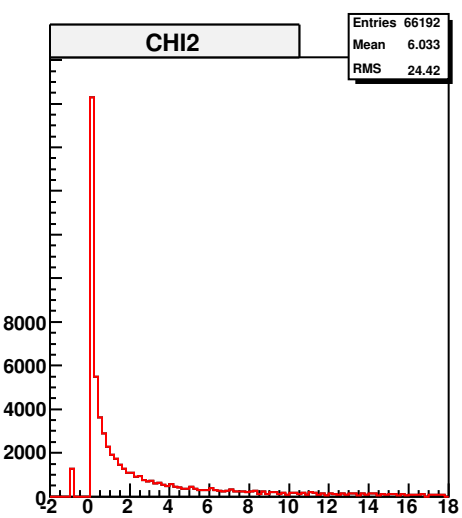
Muon Local Tracks (MediumWamus)

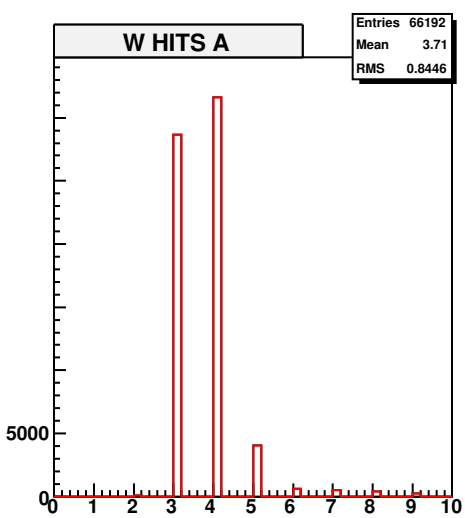


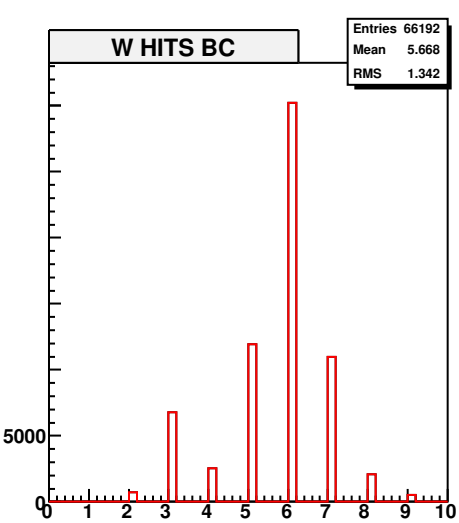


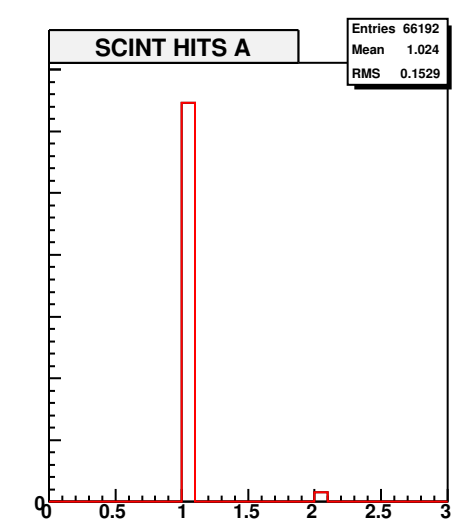


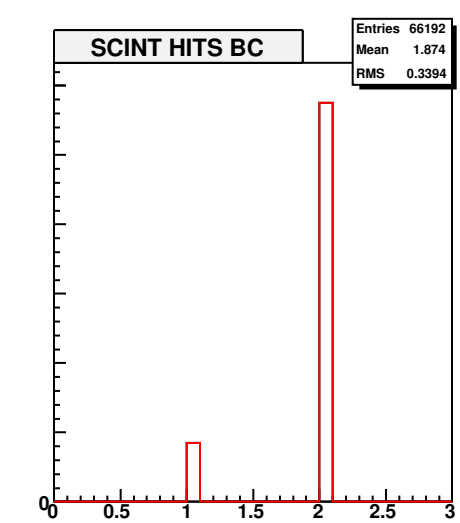




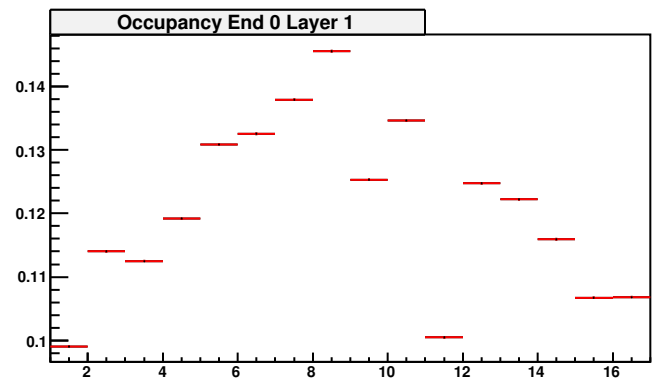


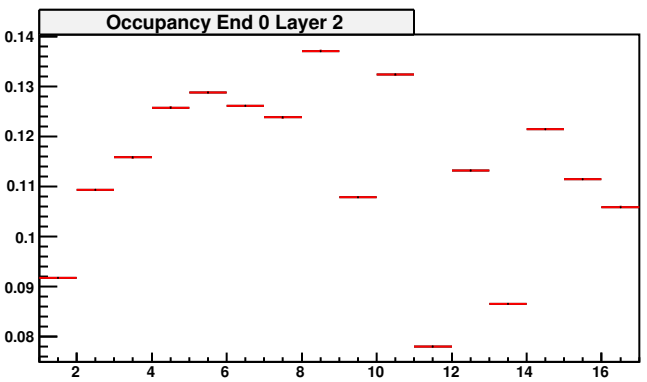


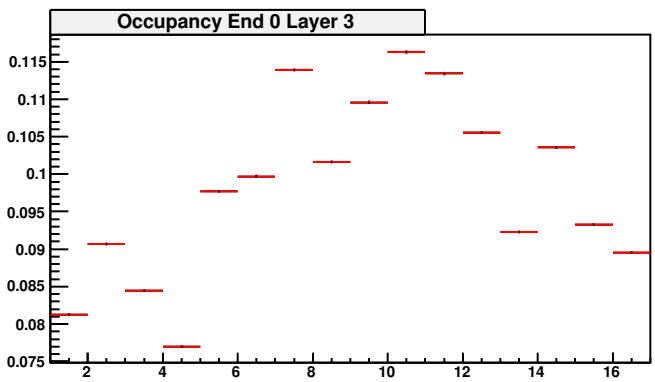


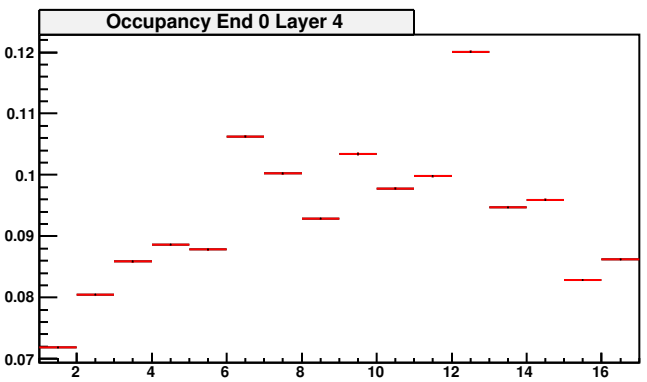


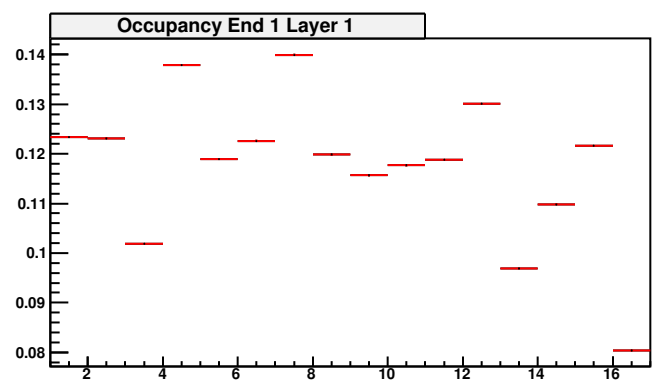
Muon Local Tracks (MediumFamus)

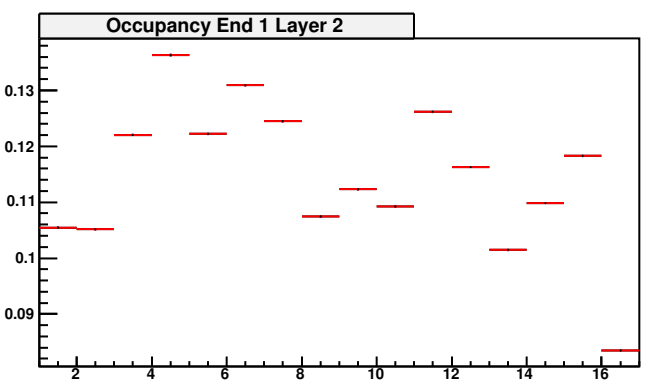


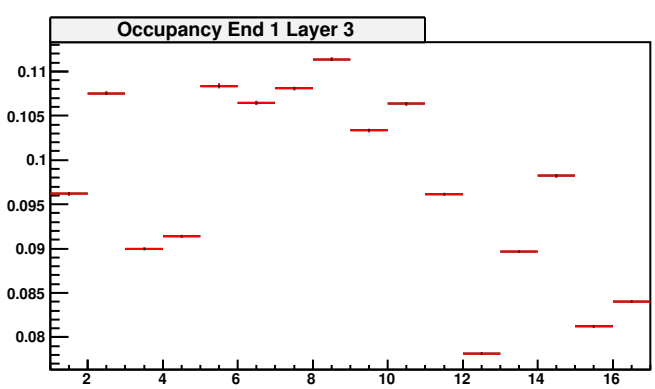


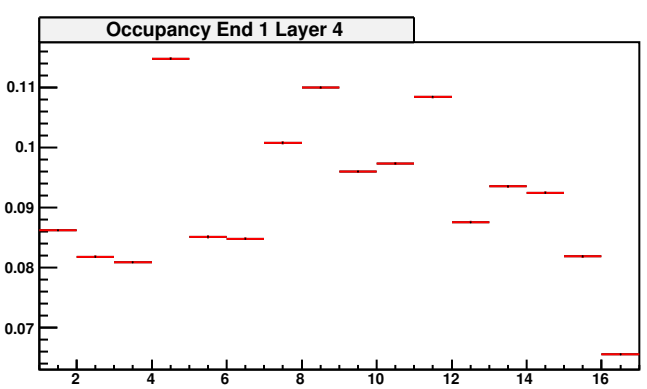




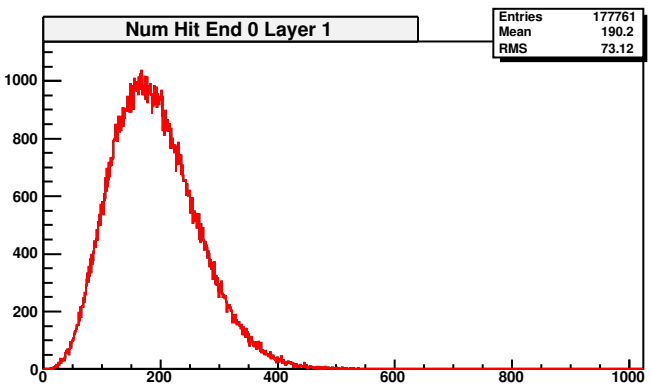


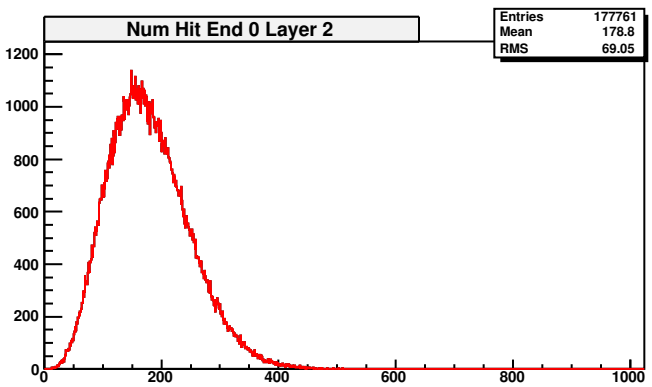


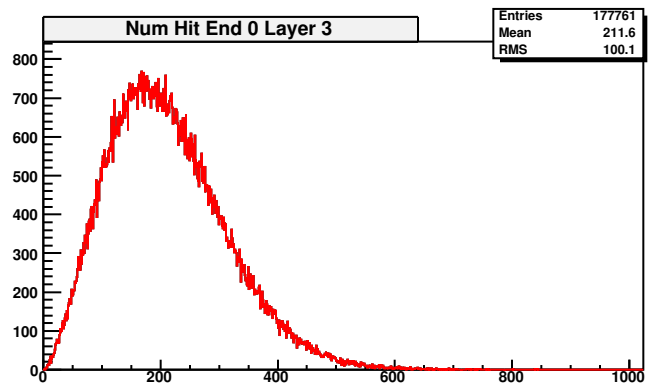


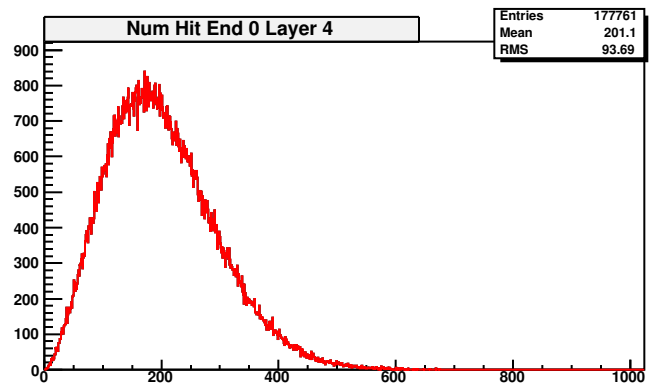


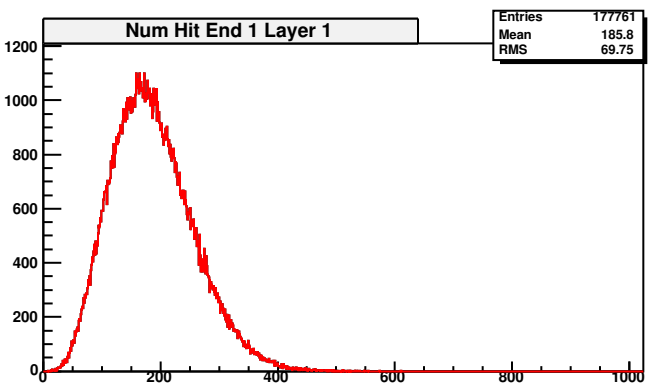
FPS Hit Occupancy (All)

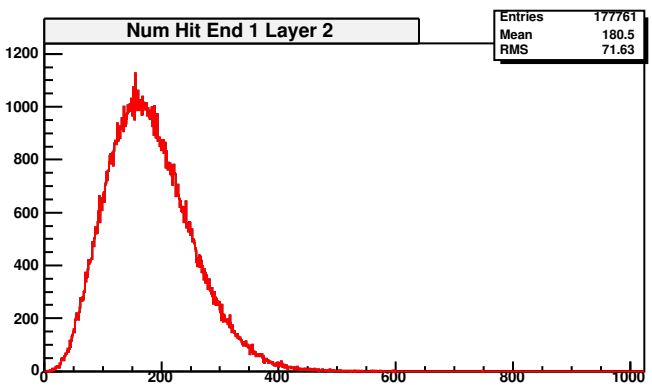


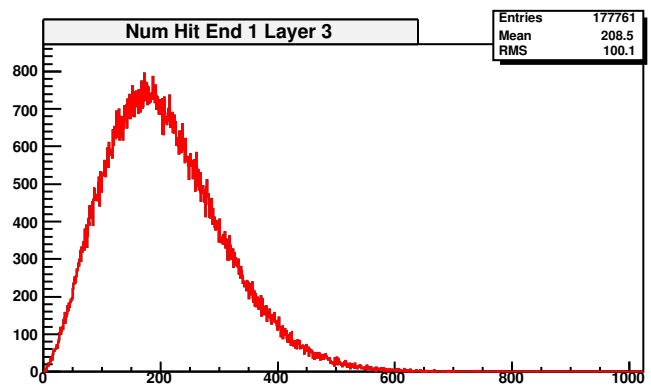


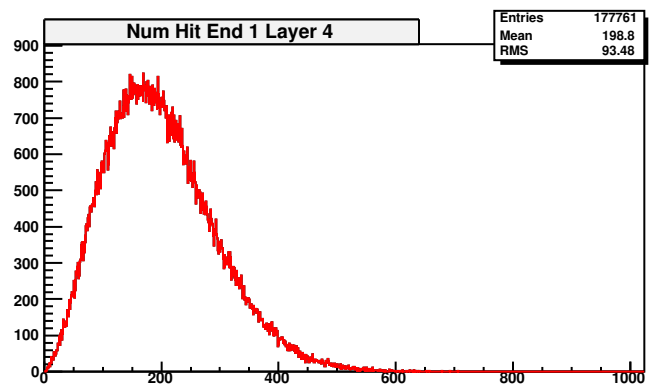




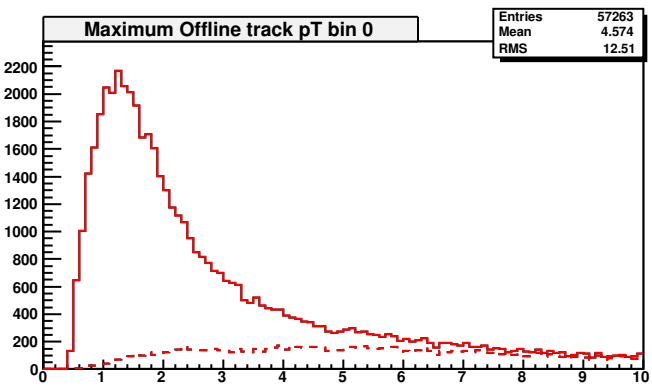


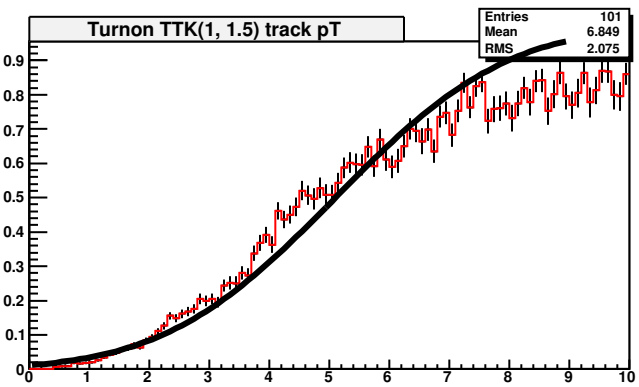


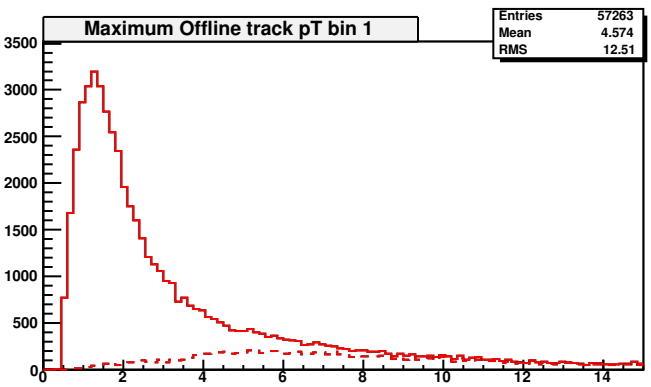


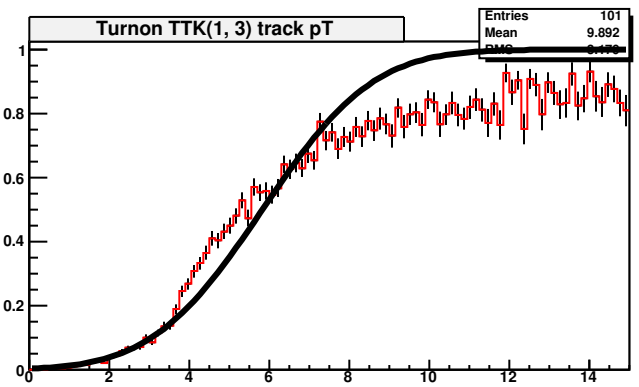


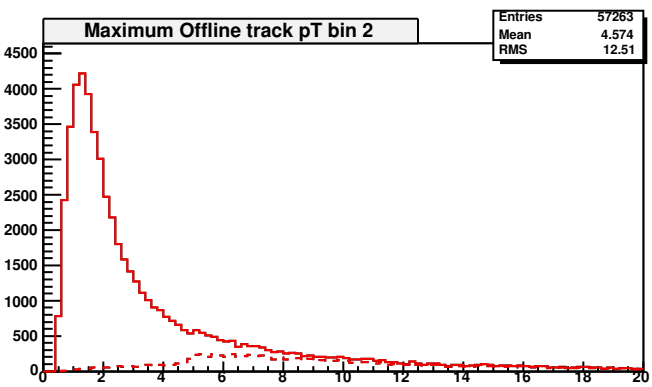
FPS Number of Hits (All)

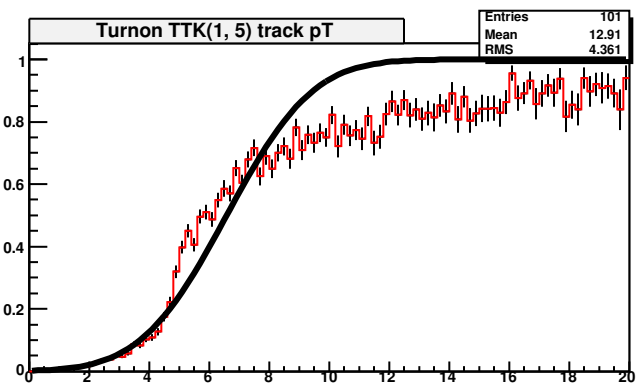


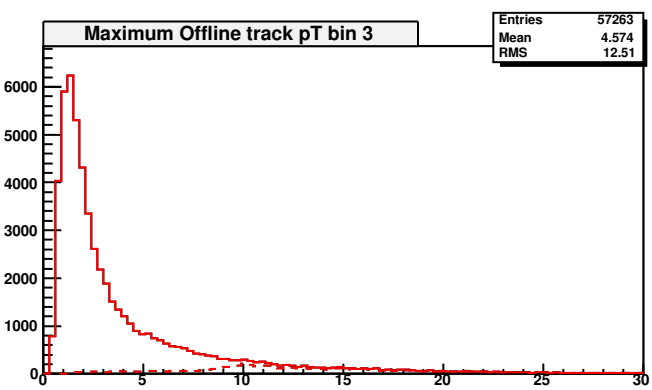


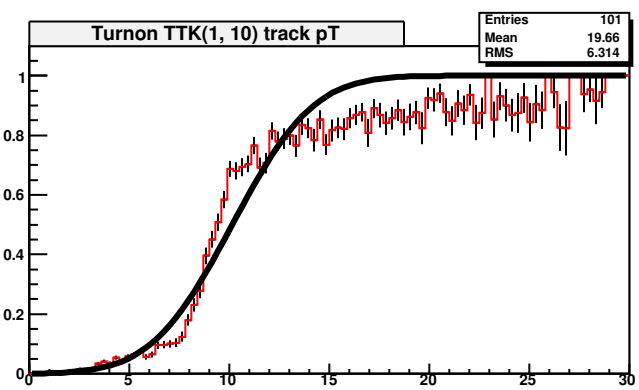




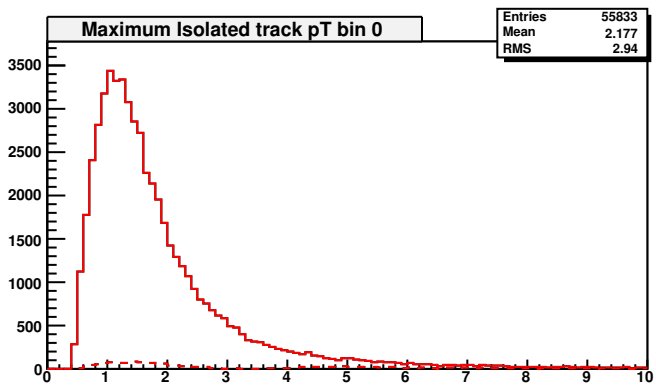


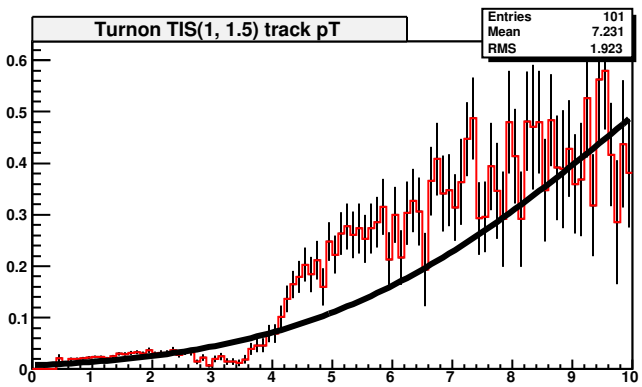


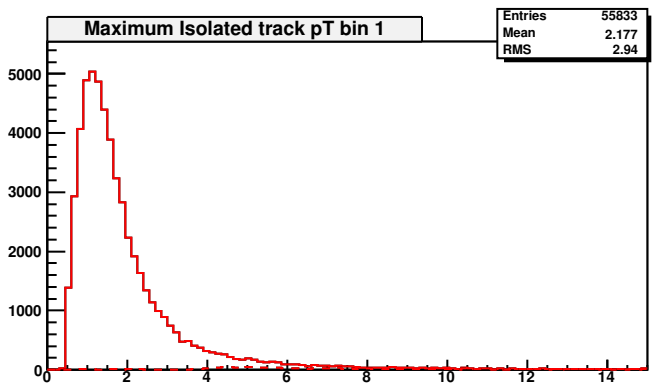


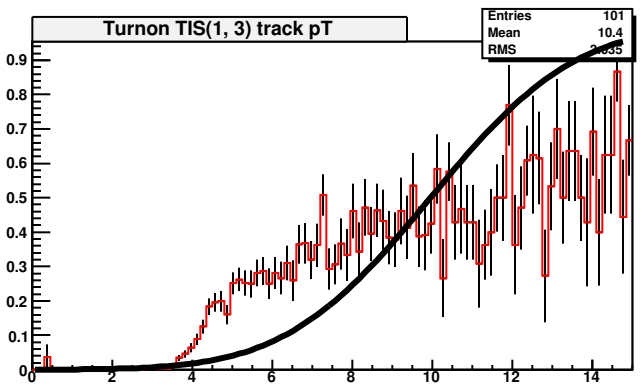


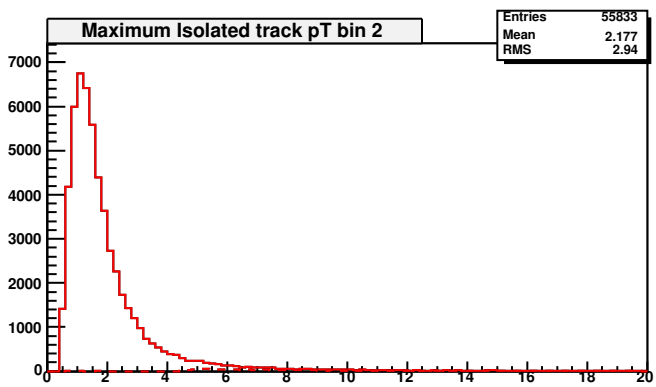
TTK Turnon curves (L1CTT All)

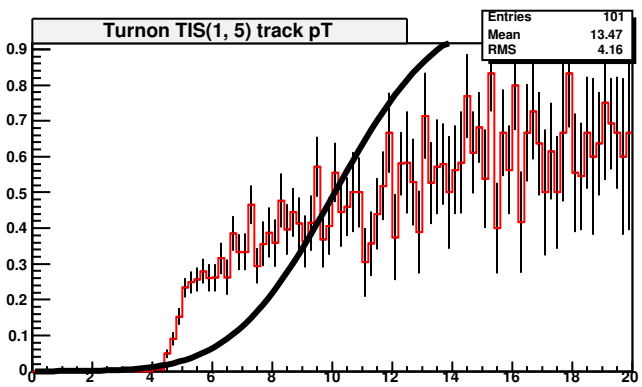


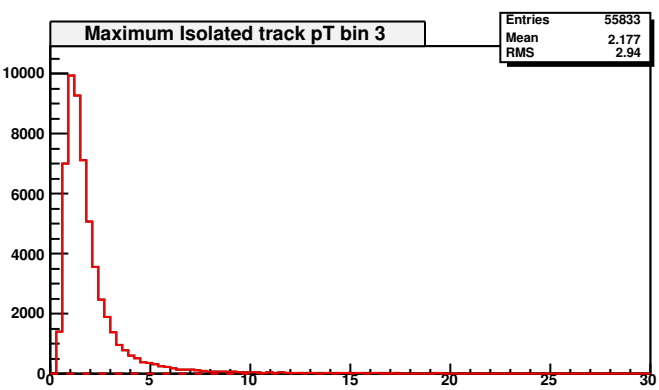


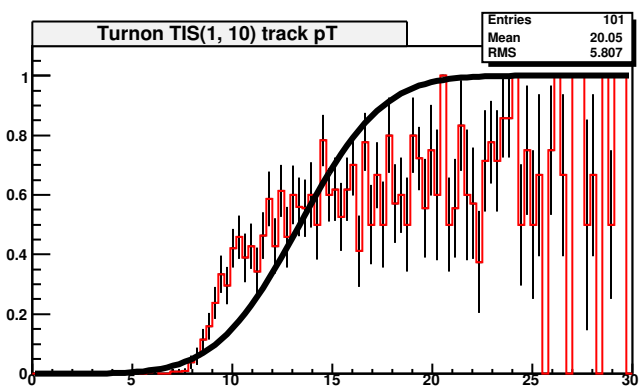




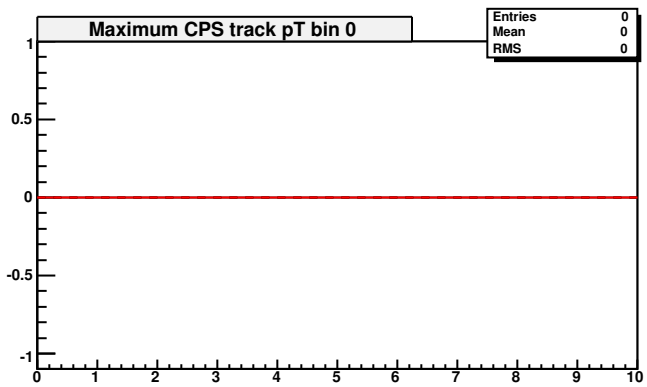


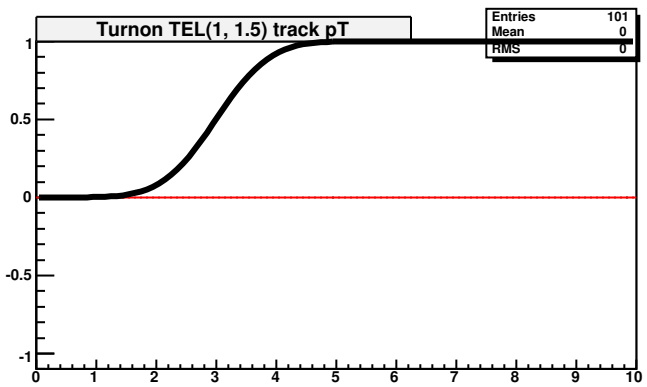


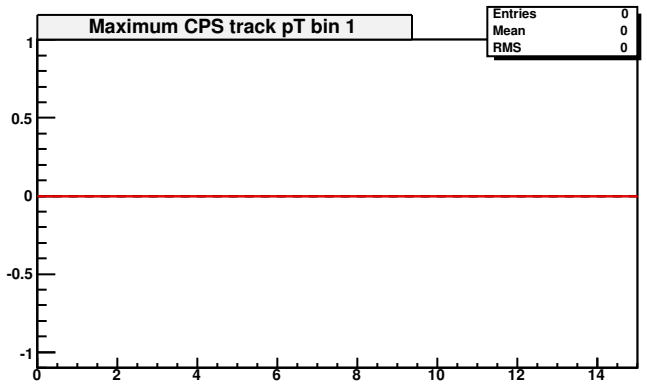


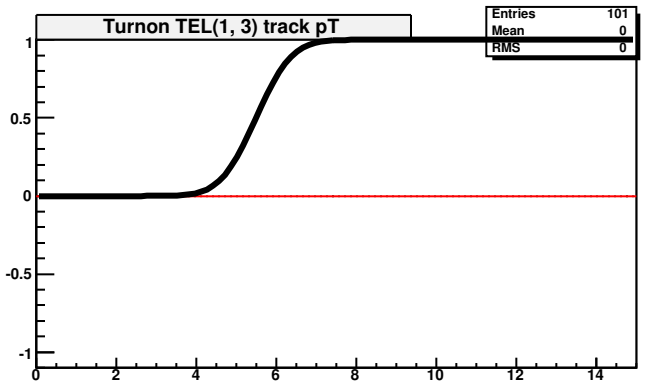


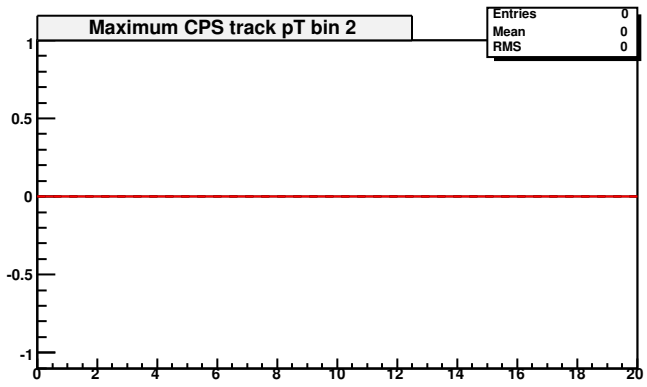
TIS Turnon curves (L1CTT All)

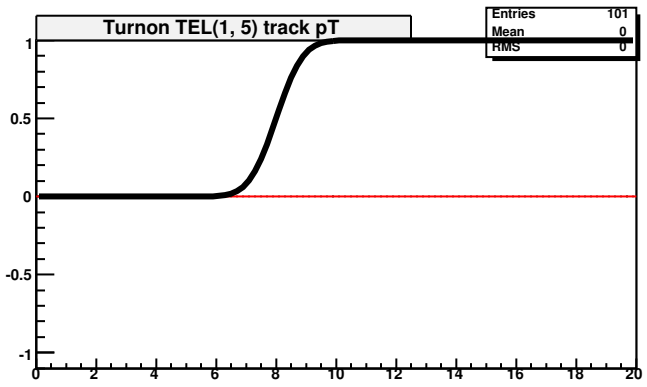


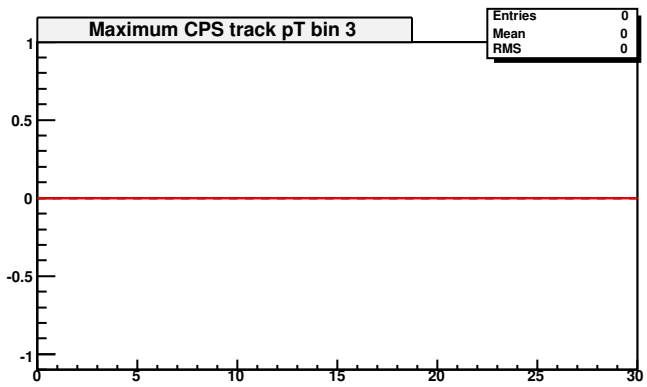


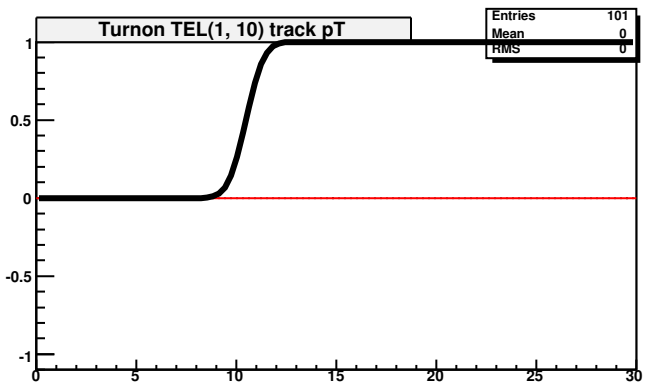




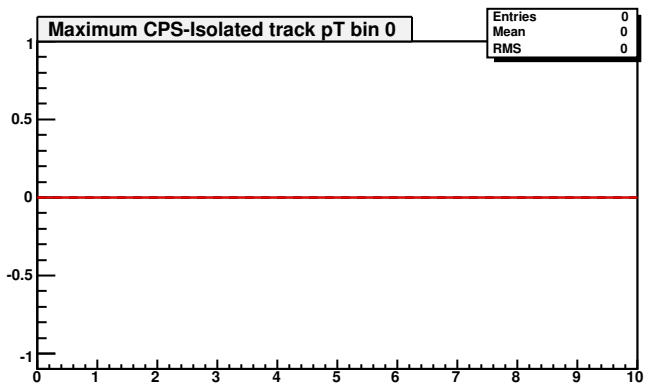


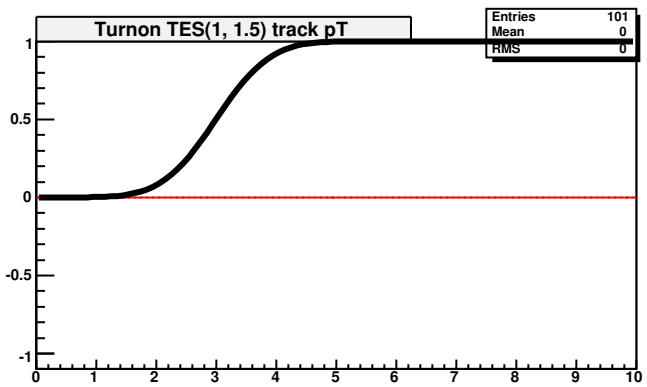


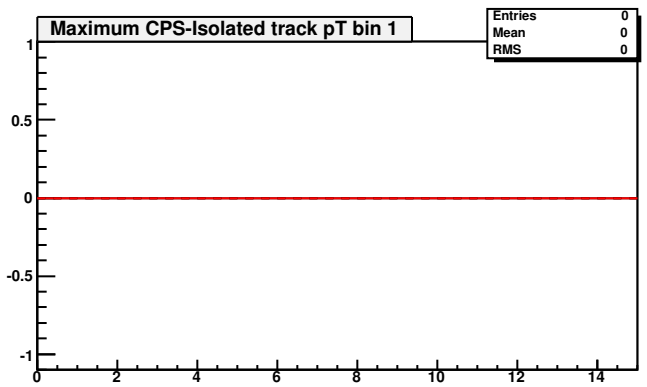


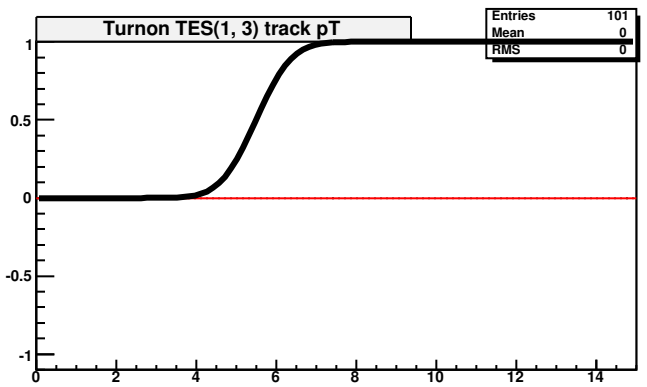


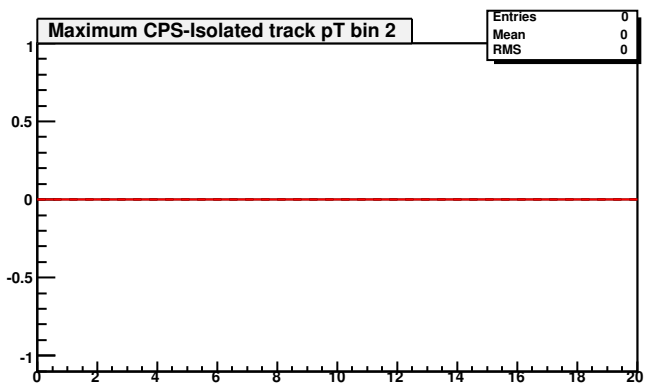
TEL Turnon curves (L1CTT All)

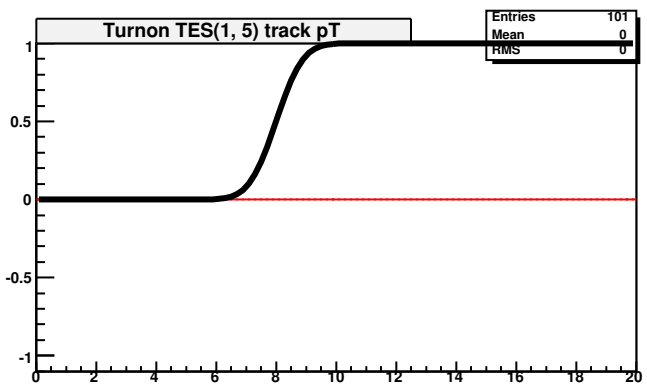


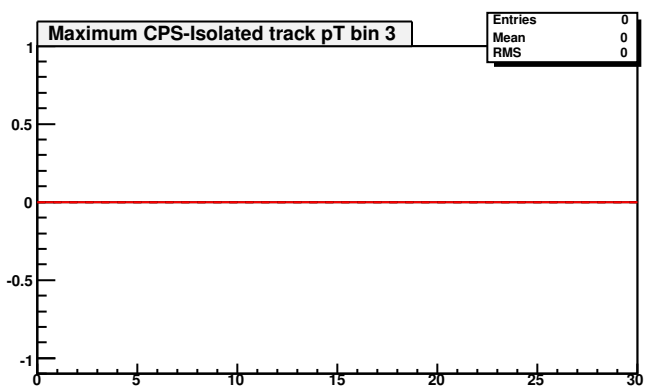


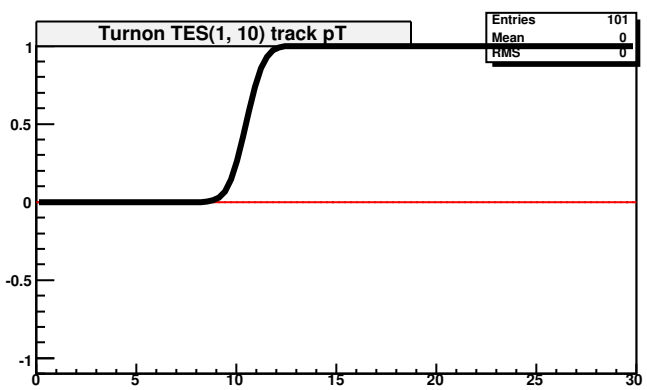




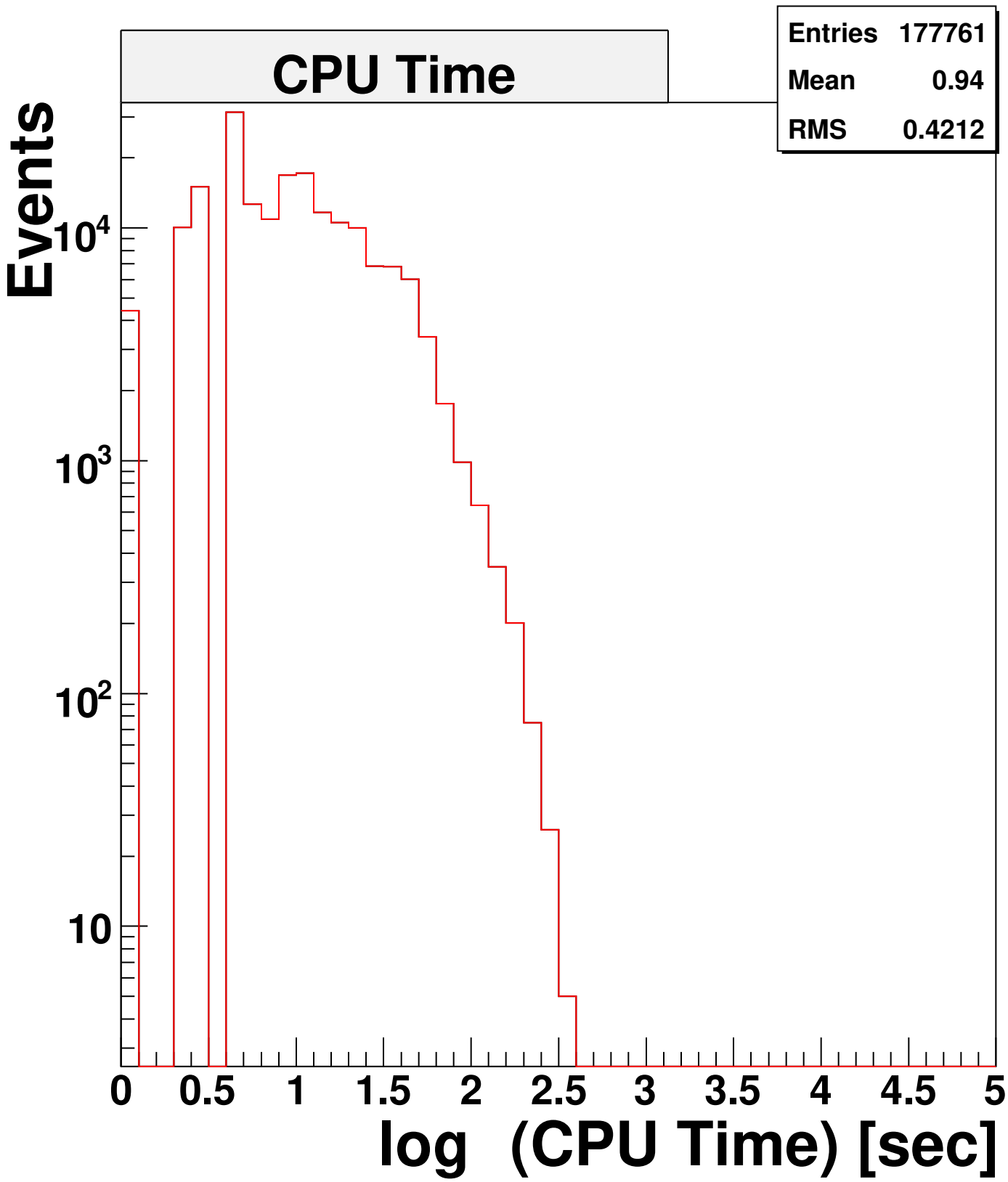








TES Turnon curves (L1CTT All)



RECO Performance (Timing)