dayset-2006-08-26-all_4-224617-0_certification_20070
../unmerged/dayset-2006-08-26-all_4-224617-0_certific

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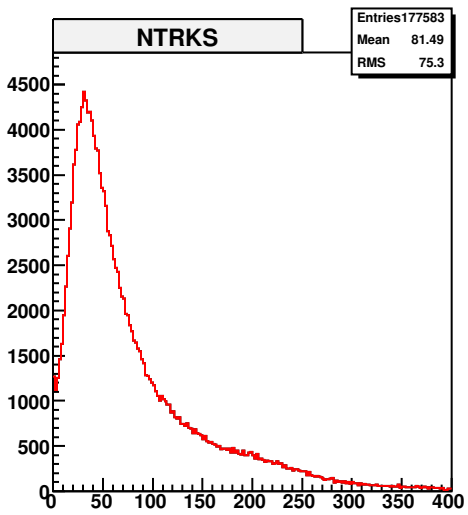
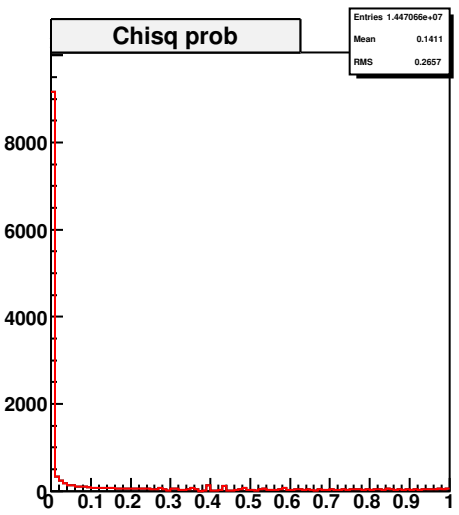
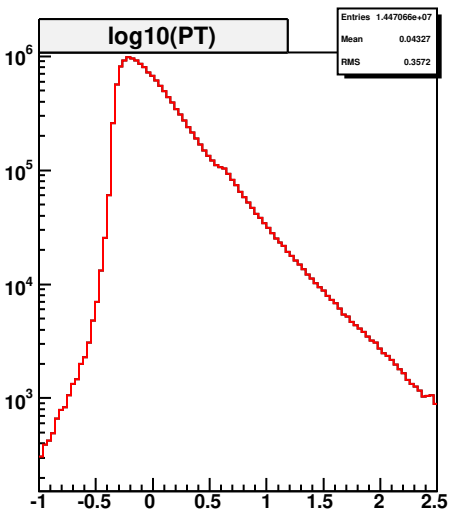
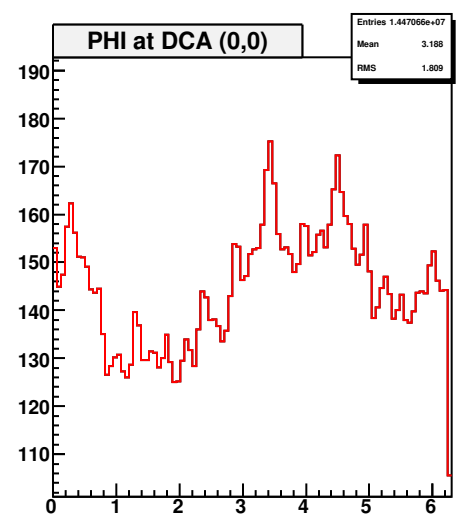
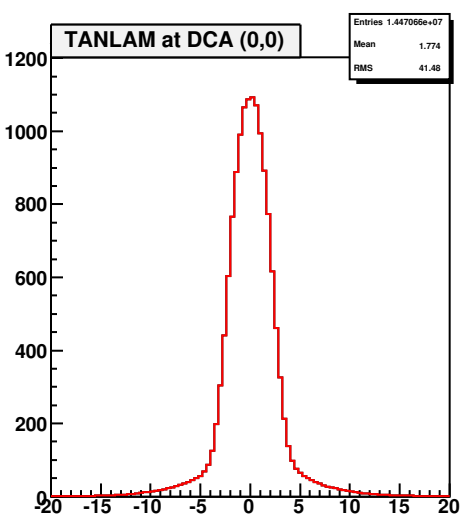
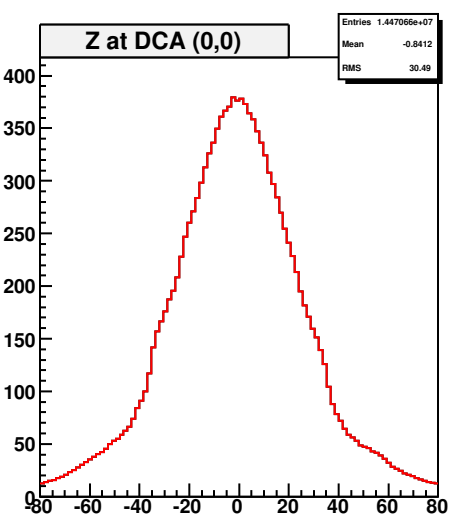

NTRKS
Entries177583
Mean 81.49
RMS 75.3

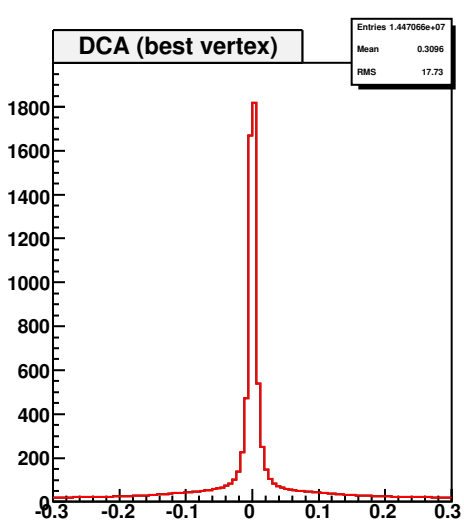

Chisq prob
Entries 1.447066e+07
Mean 0.1411
RMS 0.2657

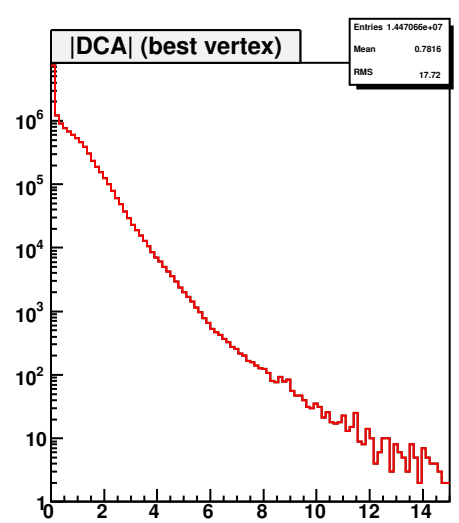

log10(PT)
Entries 1.447066e+07
Mean 0.04327
RMS 0.3572

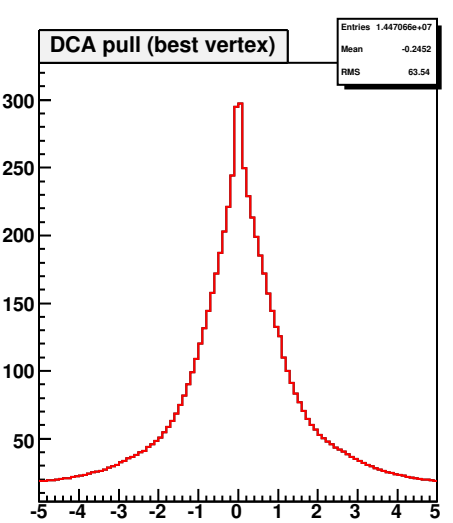

PHI at DCA (0,0)
Entries 1.447066e+07
Mean 3.188
RMS 1.809


TANLAM at DCA (0,0)
Entries 1.447066e+07
Mean 1.774
RMS 41.48

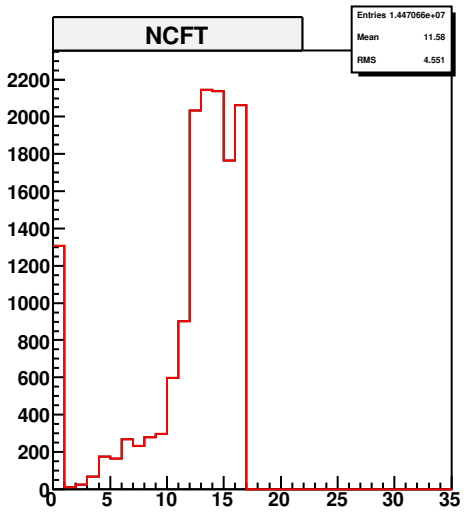

Z at DCA (0,0)
Entries 1.447066e+07
Mean -0.8412
RMS 30.49

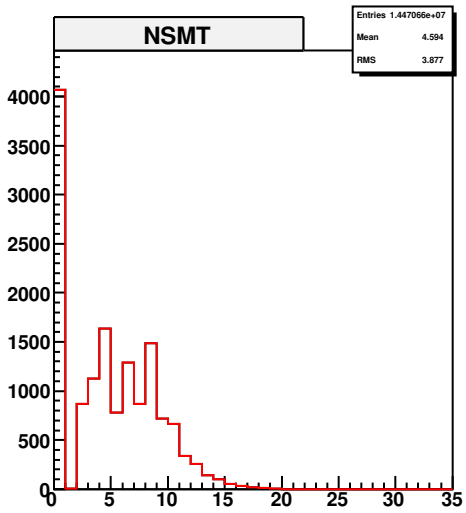

DCA (best vertex)
Entries 1.447066e+07
Mean 0.3096
RMS 17.73

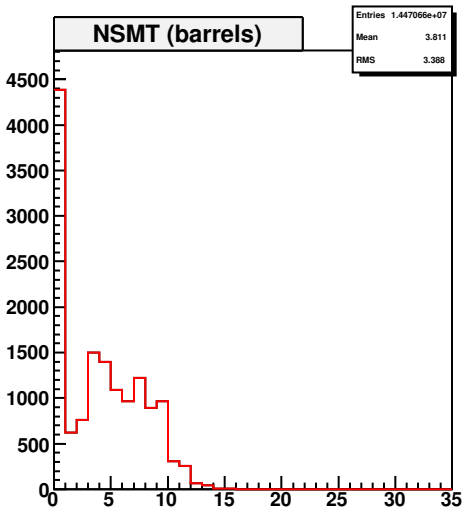

|DCA| (best vertex)
Entries 1.447066e+07
Mean 0.7816
RMS 17.72

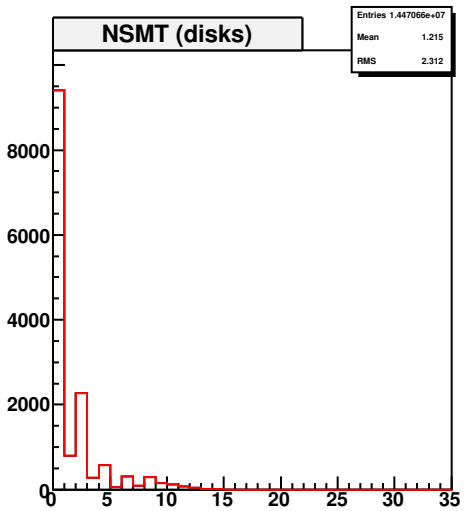

DCA pull (best vertex)
Entries 1.447066e+07
Mean -0.2452
RMS 63.54

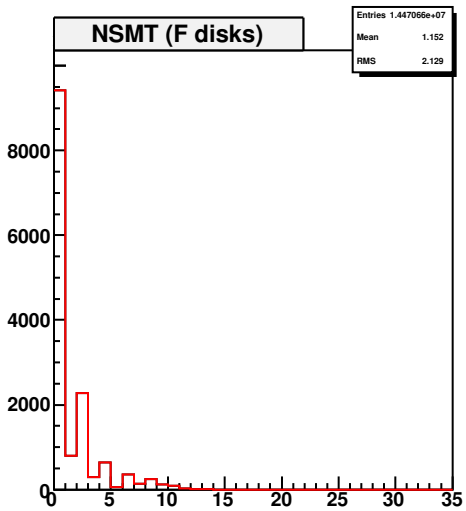
Tracks (All)

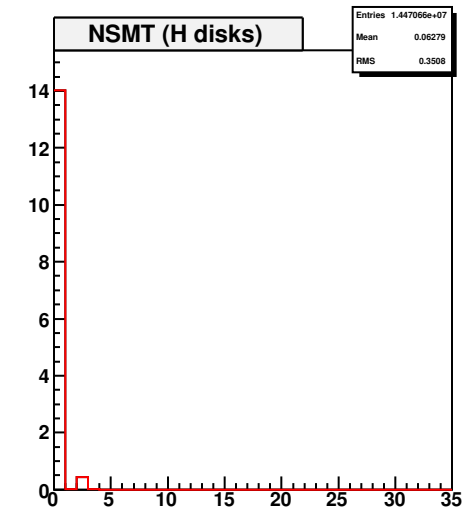


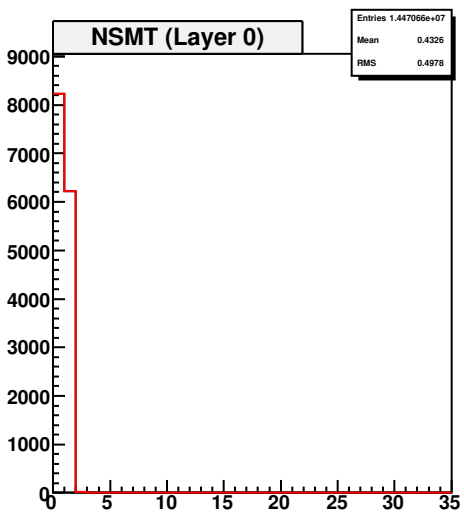




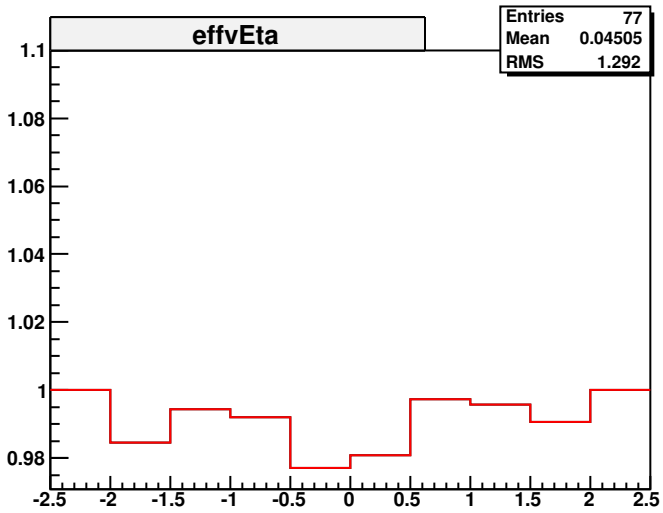


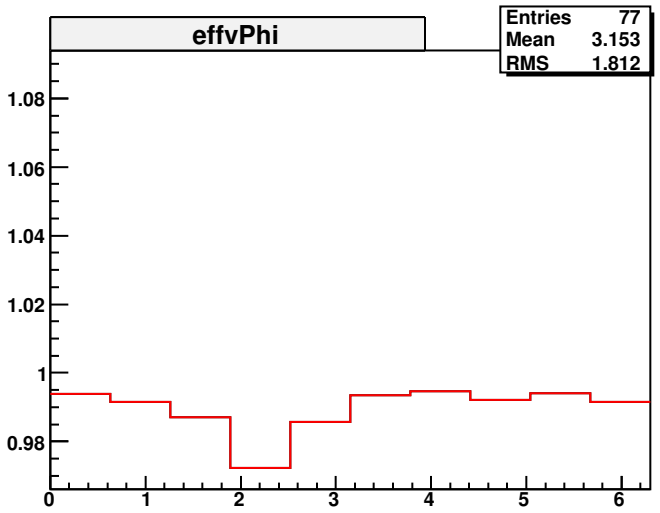


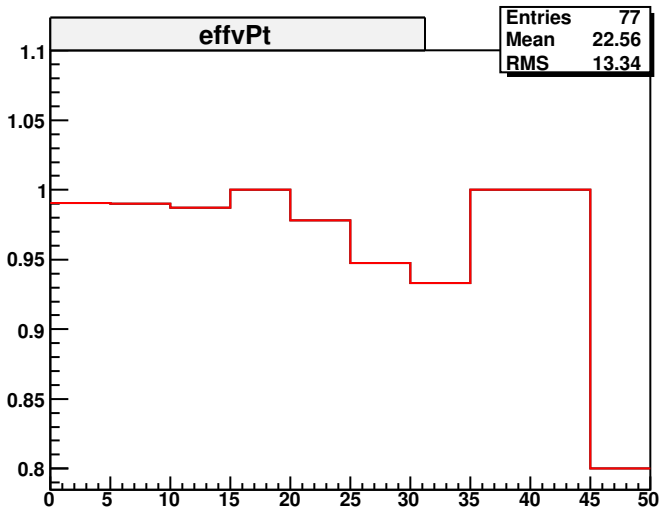


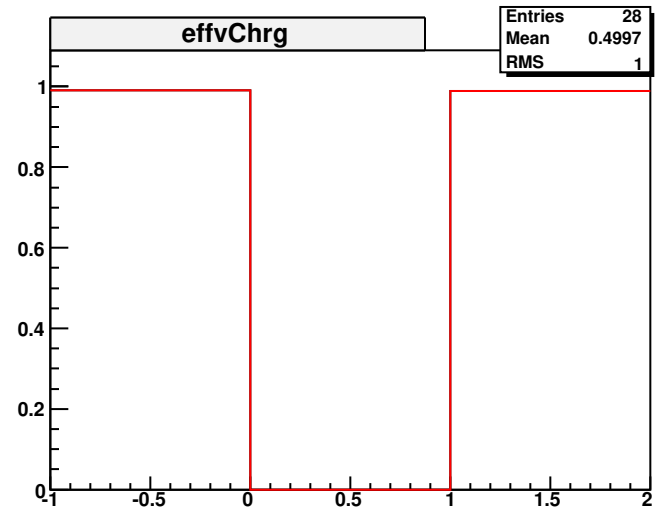


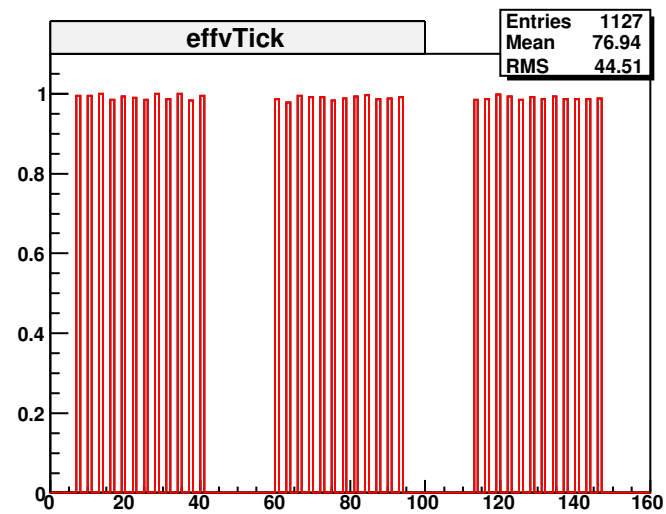
Track Hits (All)

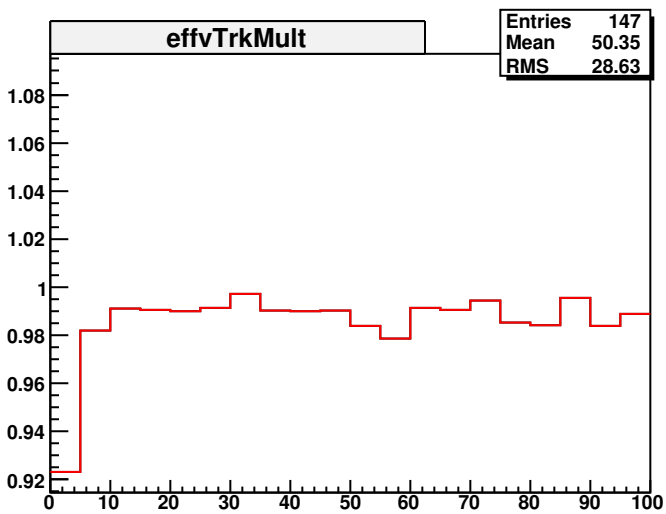




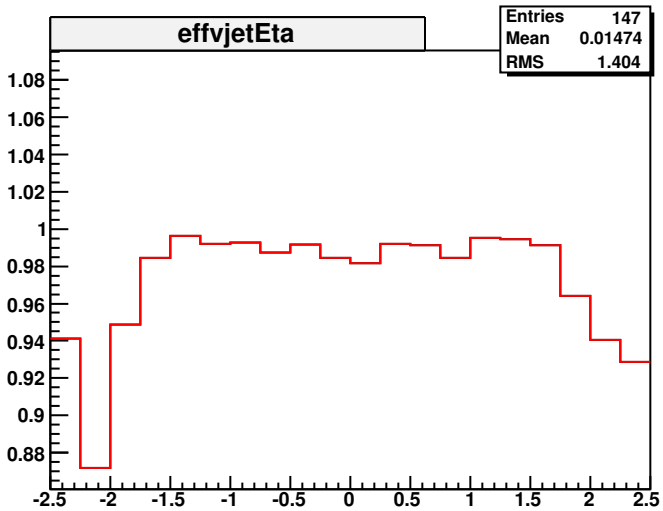


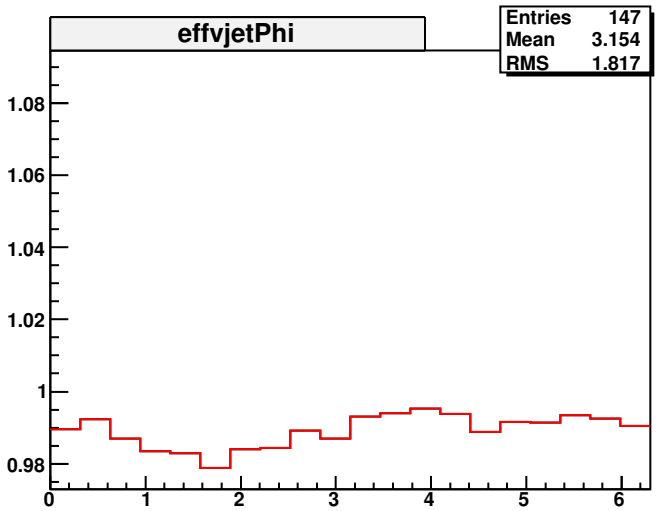


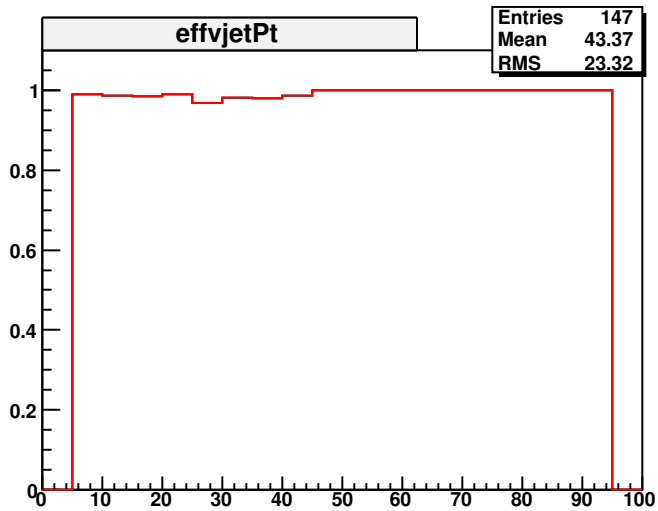


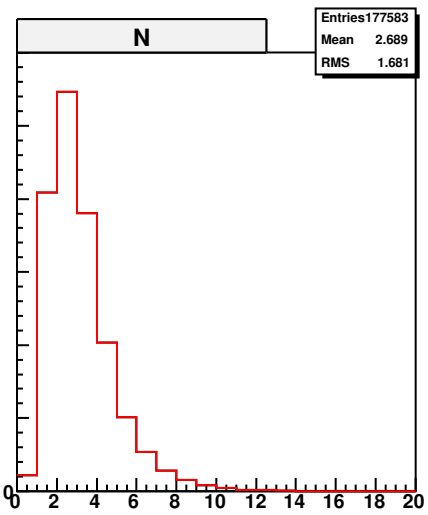


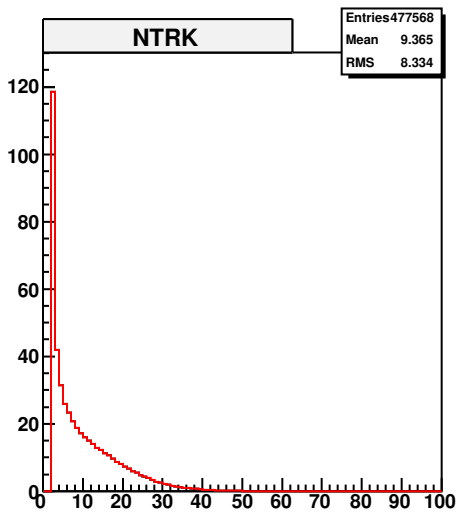
Tracking (Efficiency-Isolated)

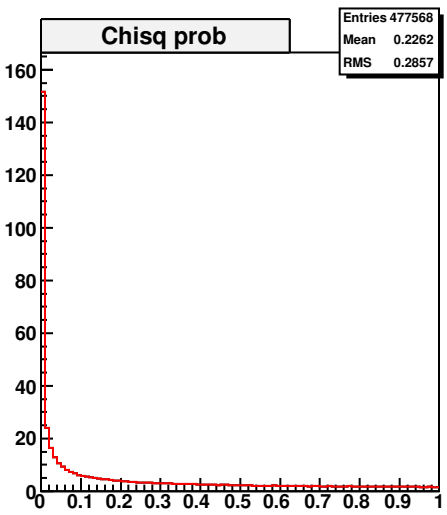

effvjetEta
Entries 147
Mean 0.01474
RMS 1.404
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
0.88
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

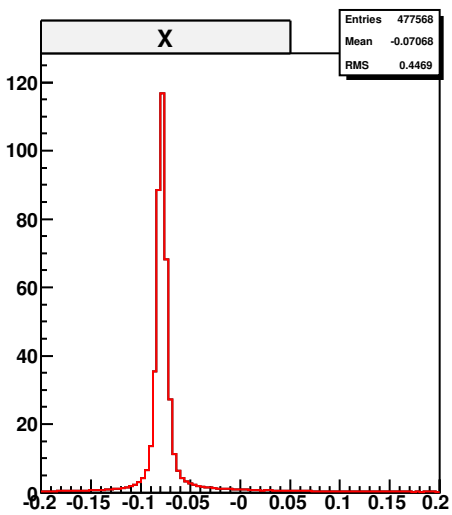

effvjetPhi
Entries 147
Mean 3.154
RMS 1.817
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

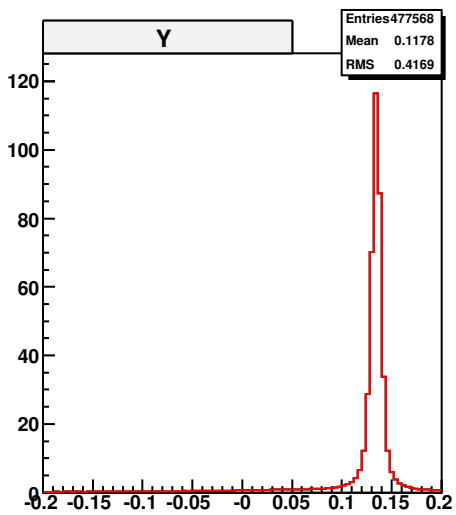

effvjetPt
Entries 147
Mean 43.37
RMS 23.32
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

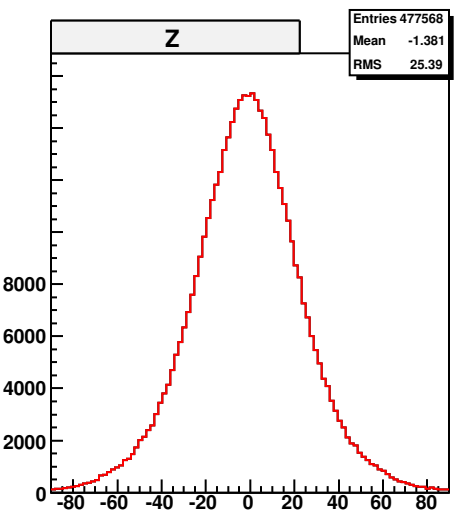




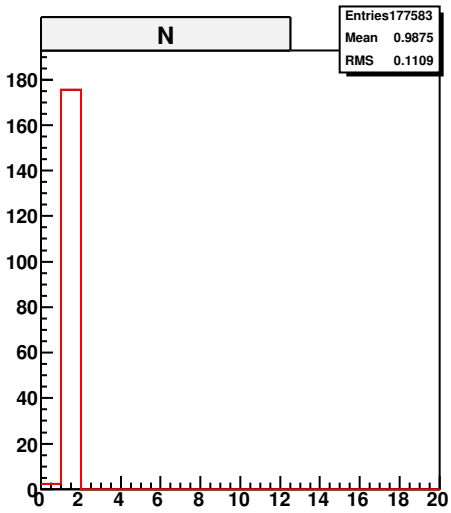


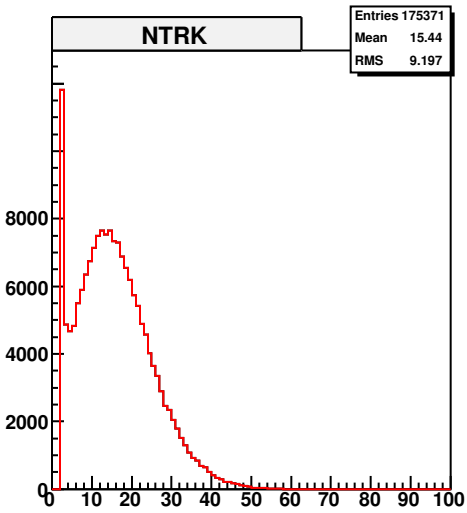


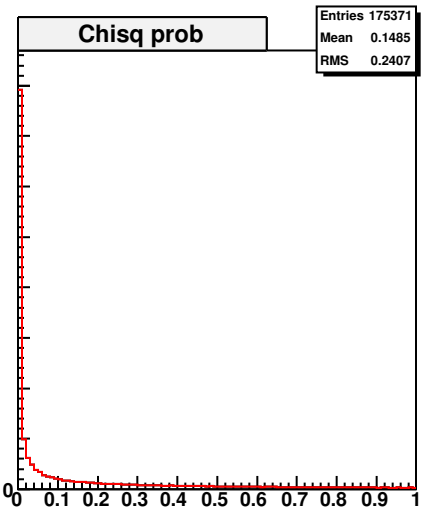


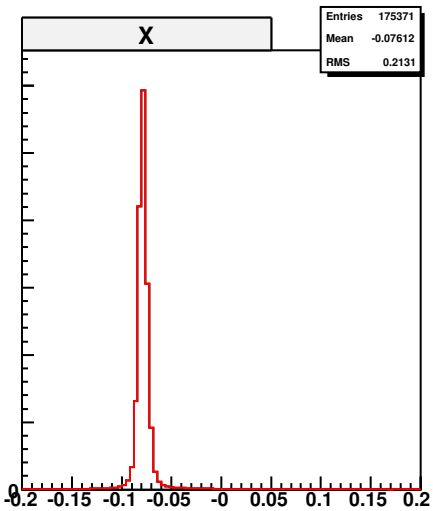


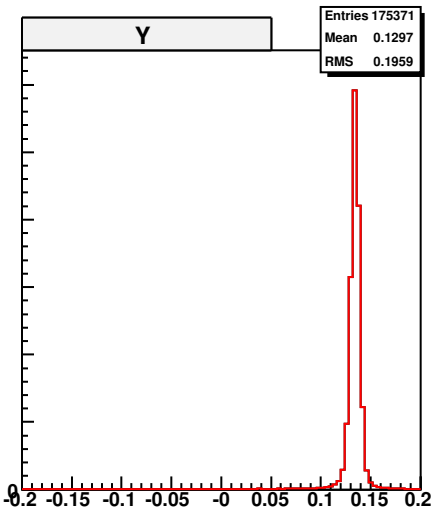
Vertices (Primary - all candidates)

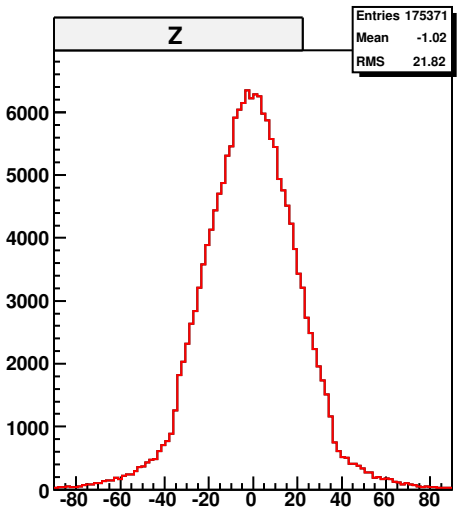




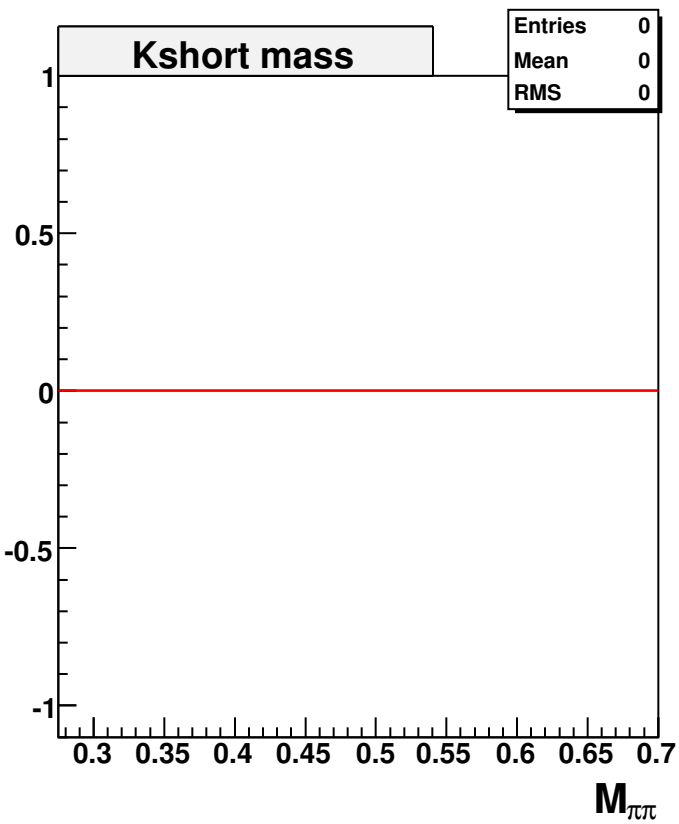


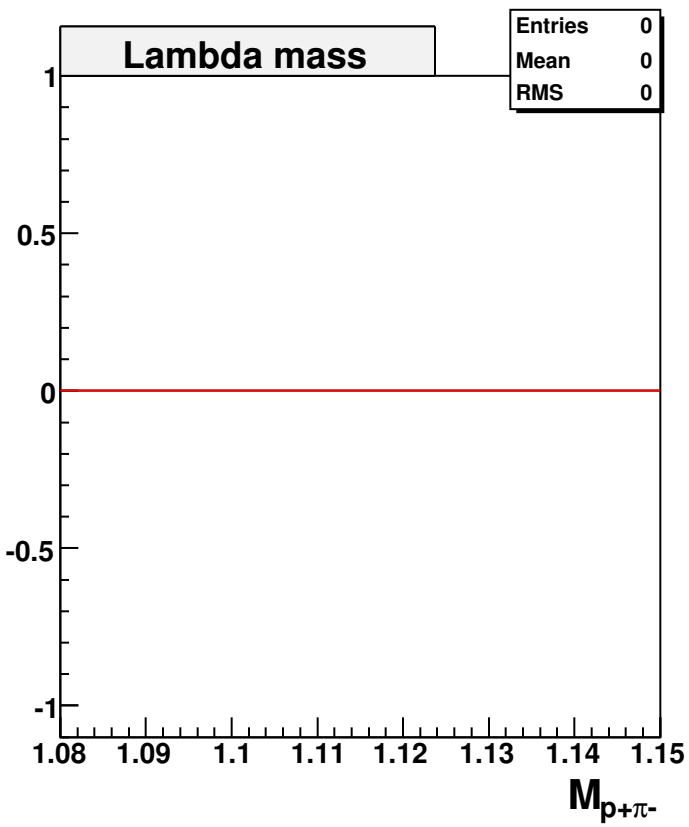


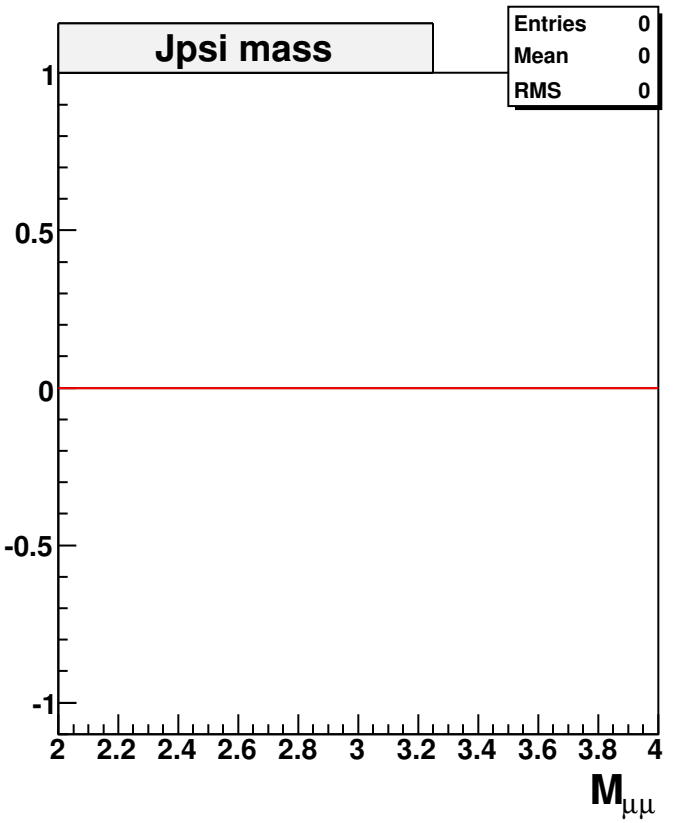


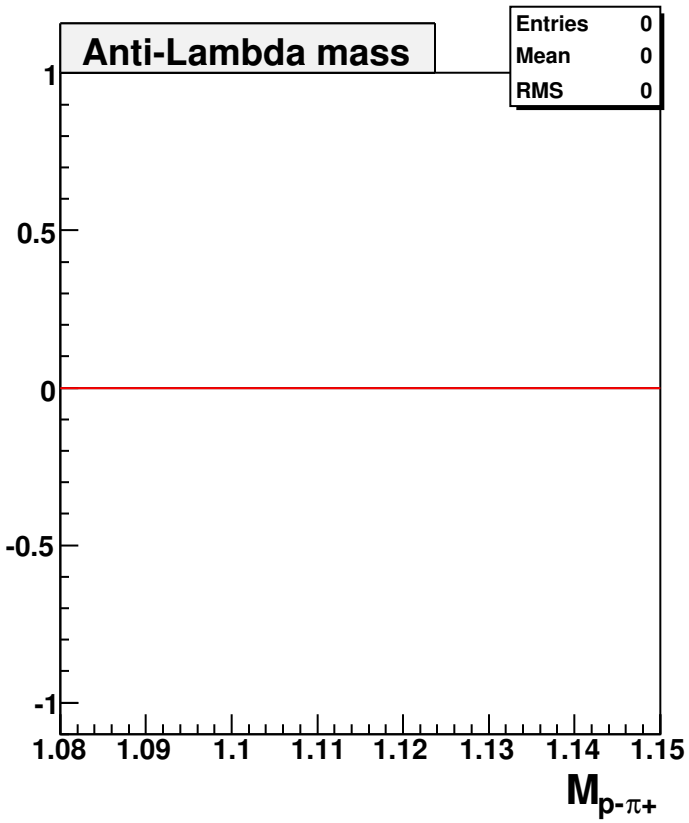


Vertices (Primary - best)

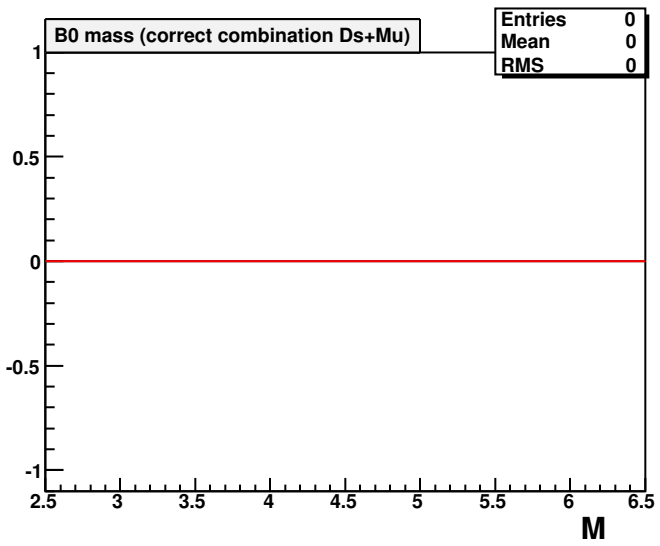

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

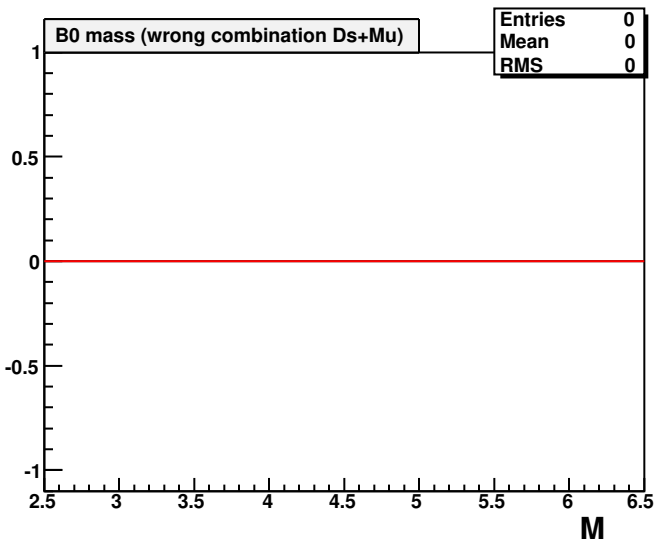

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

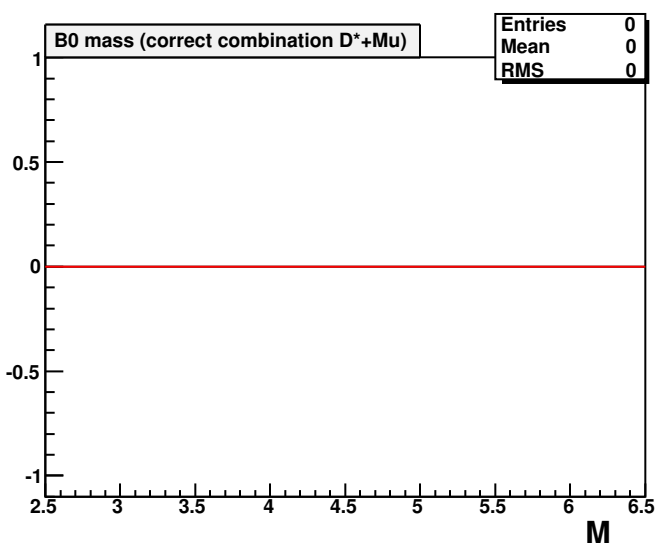

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

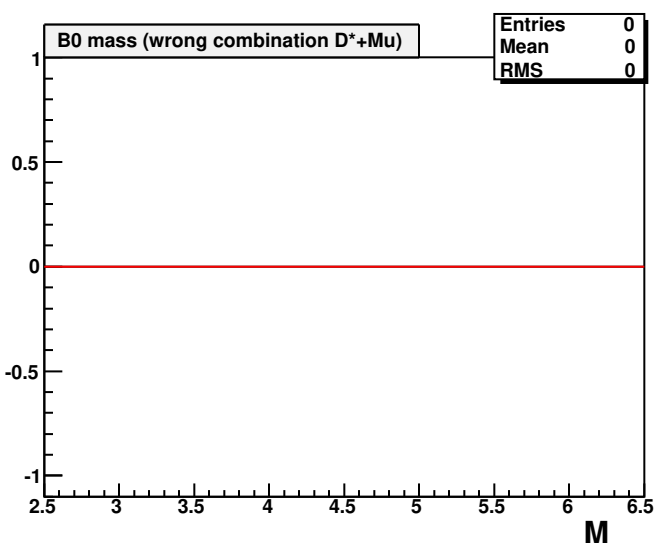

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

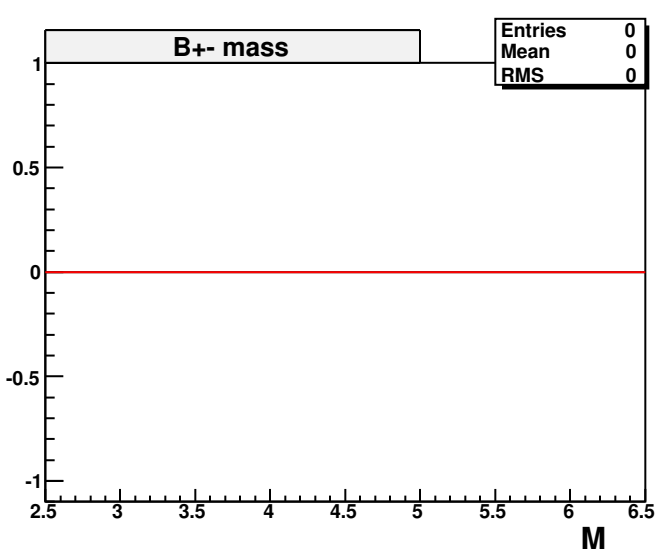
V0 (All)



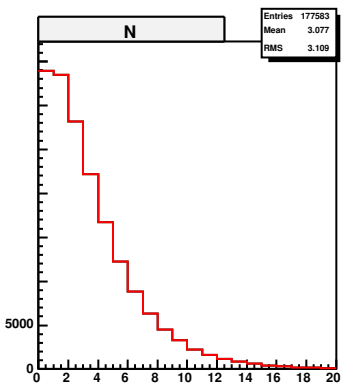


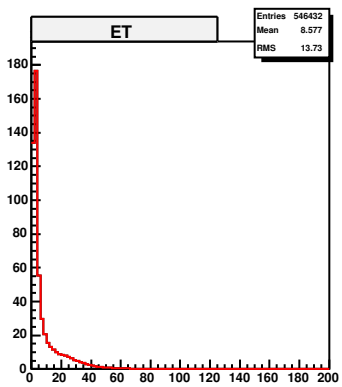


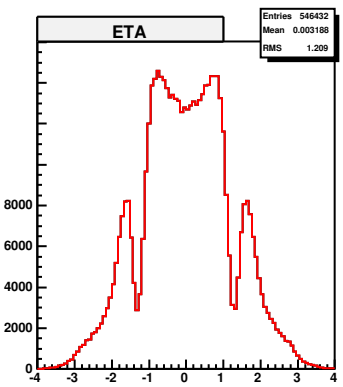


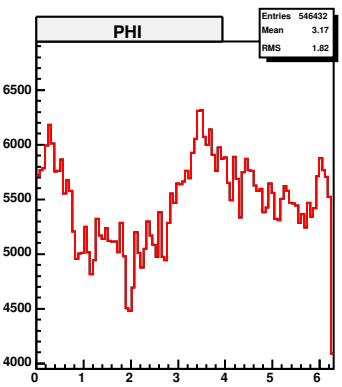


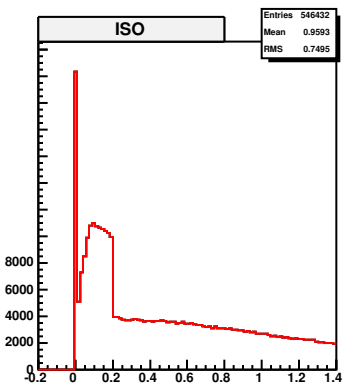
V0(B mesons) (All)

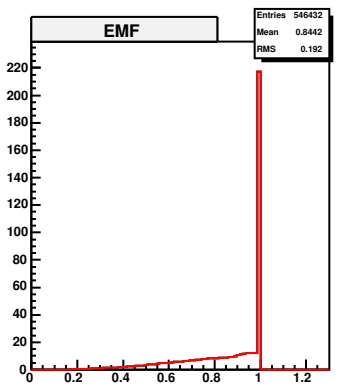


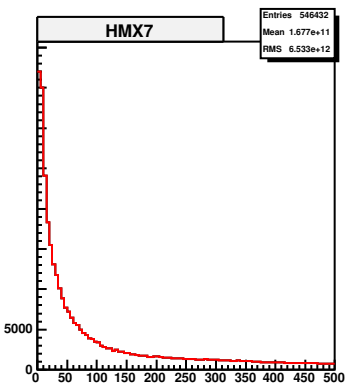


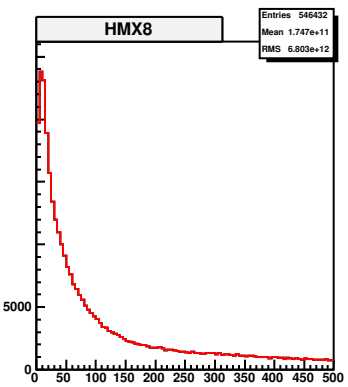


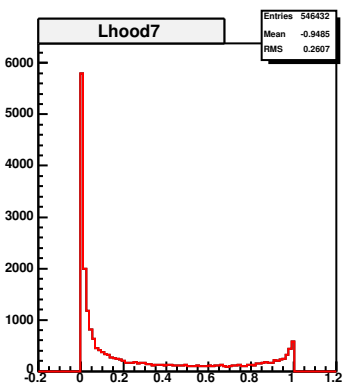


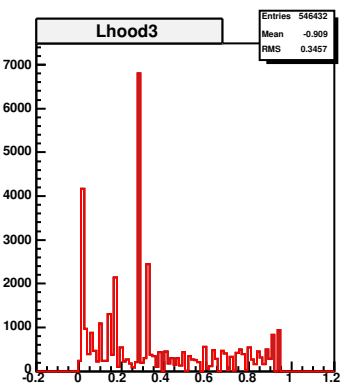


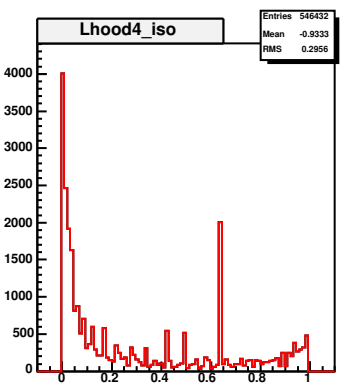


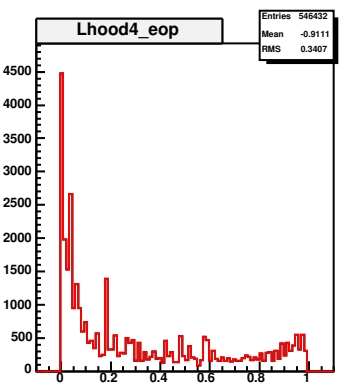


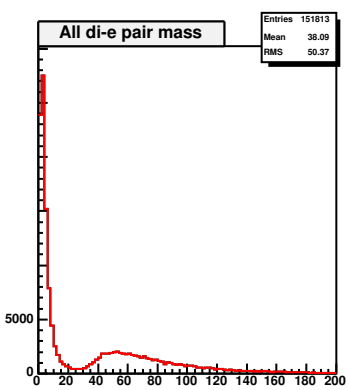


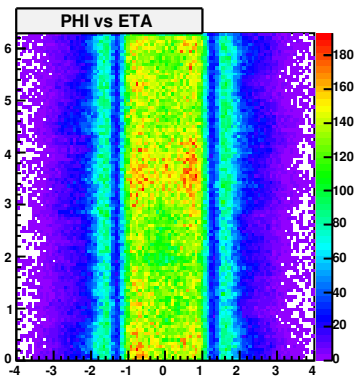


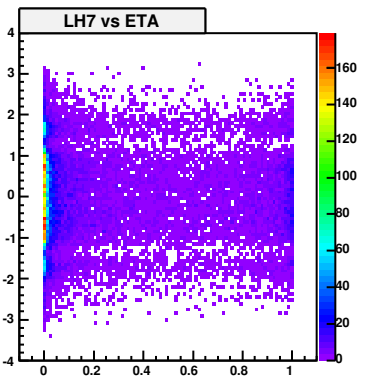


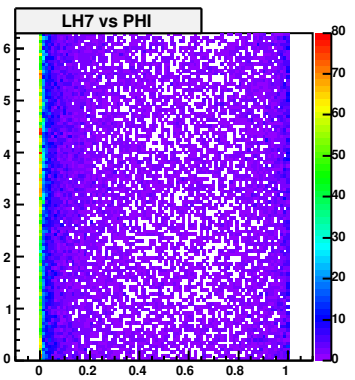




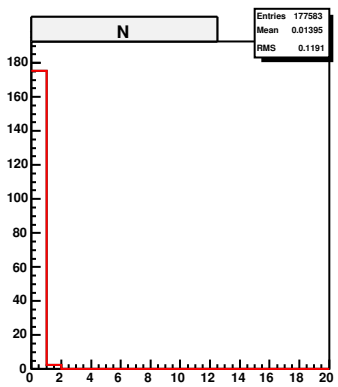


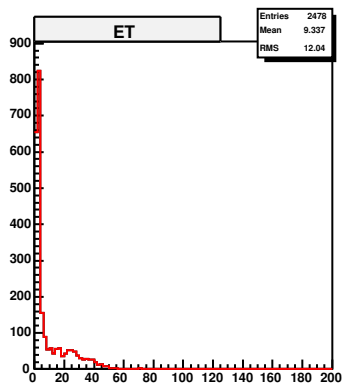


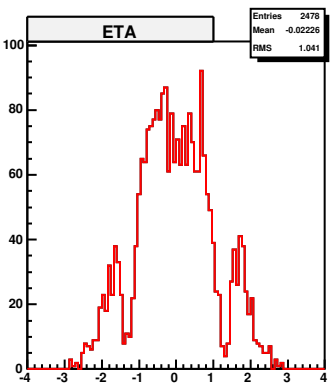


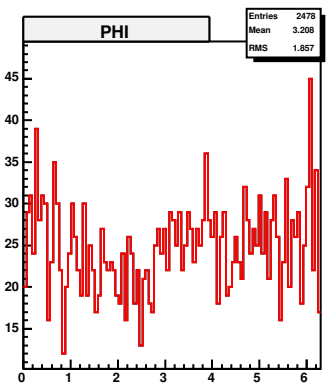


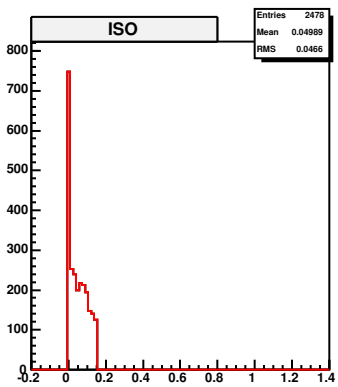
Electrons (SCONE All)

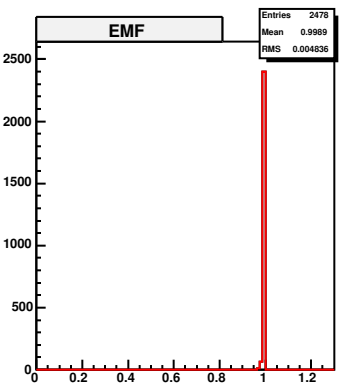


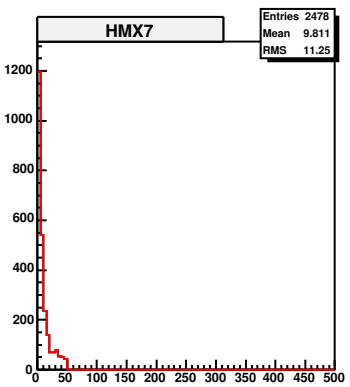


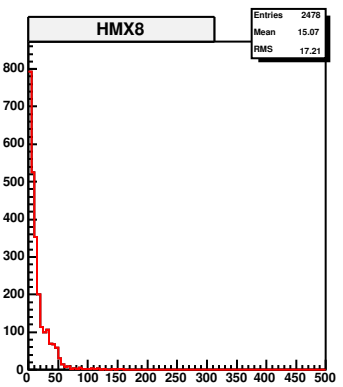


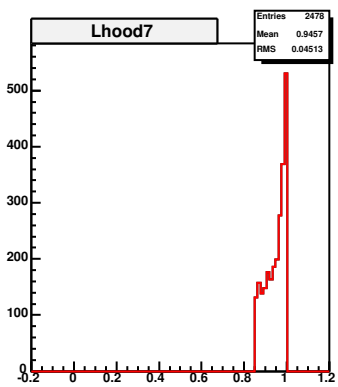


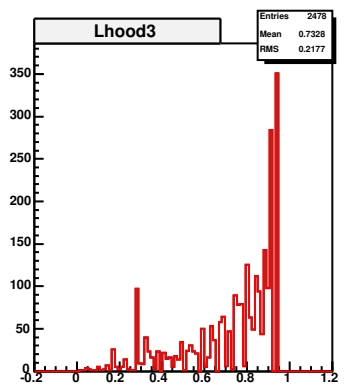


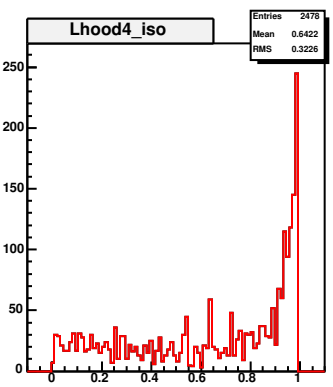


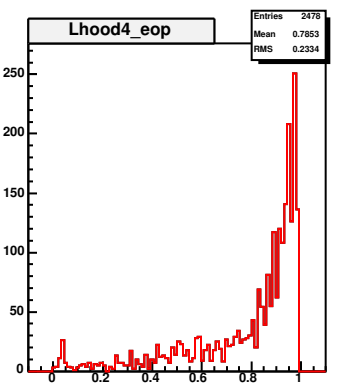


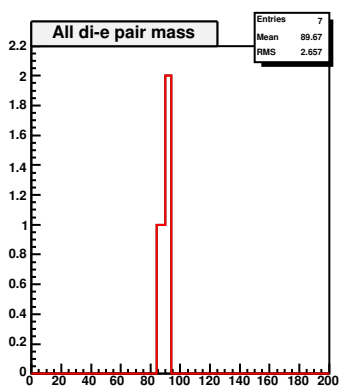


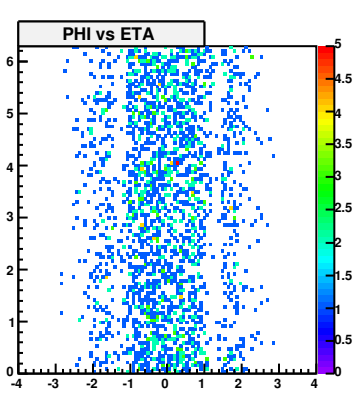


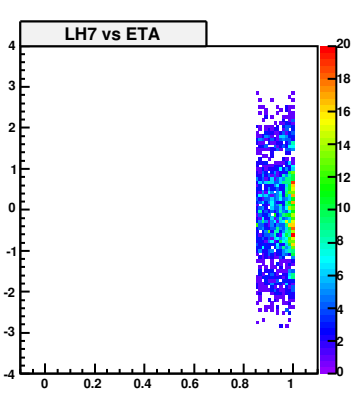


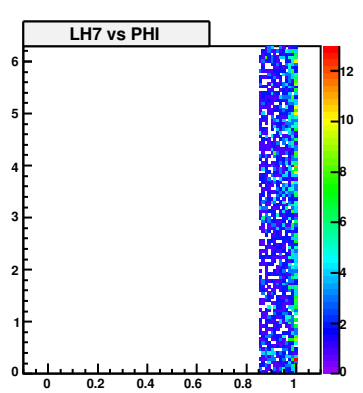




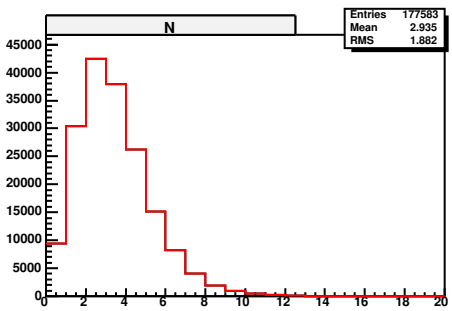


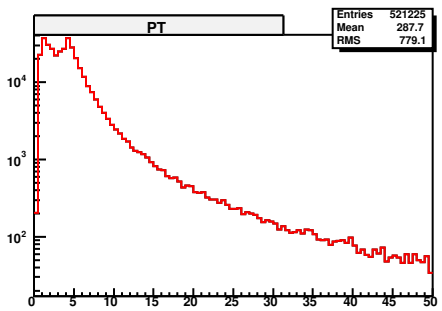


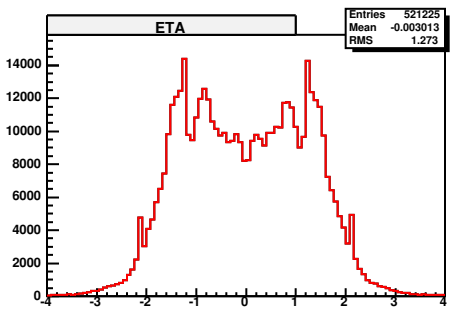


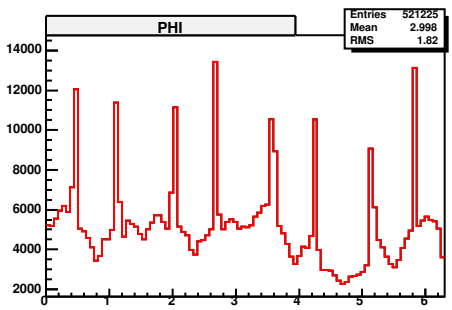


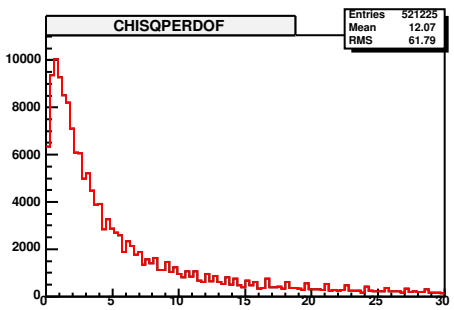
Electrons (SCONE Tight)

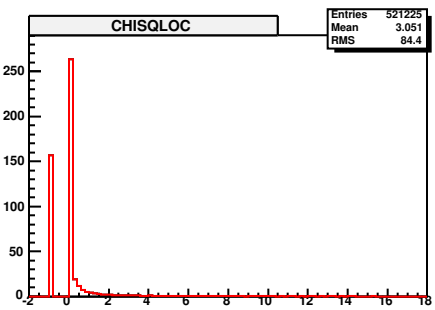

N
Entries 177583
Mean 2.935
RMS 1.882

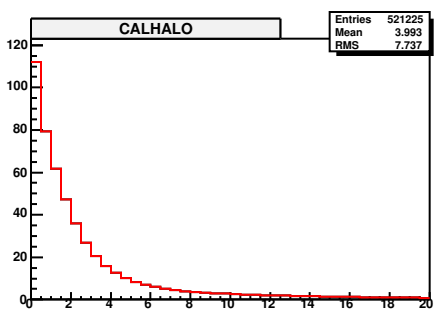

PT
Entries 521225
Mean 287.7
RMS 779.1

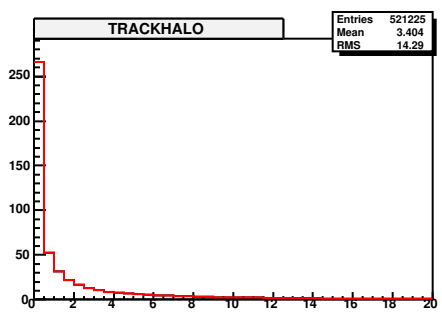

ETA
Entries 521225
Mean -0.003013
RMS 1.273

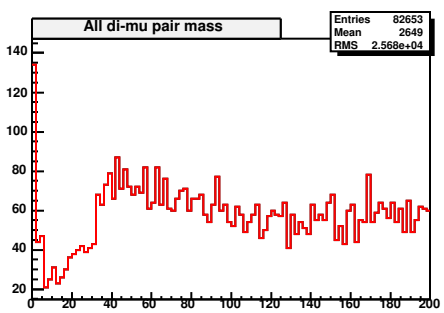

PHI
Entries 521225
Mean 2.998
RMS 1.82

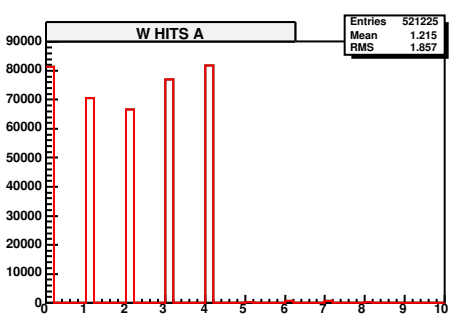

CHISQPERDOF
Entries 521225
Mean 12.07
RMS 61.79

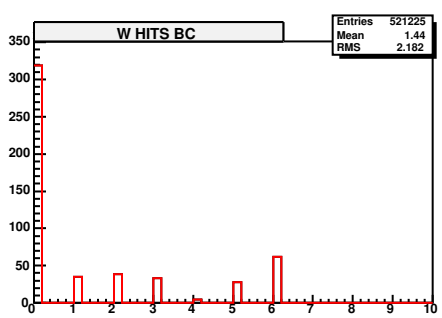

CHISQLOC
Entries 521225
Mean 3.051
RMS 84.4

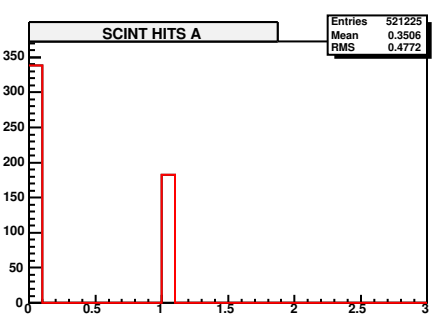

CALHALO
Entries 521225
Mean 3.993
RMS 7.737

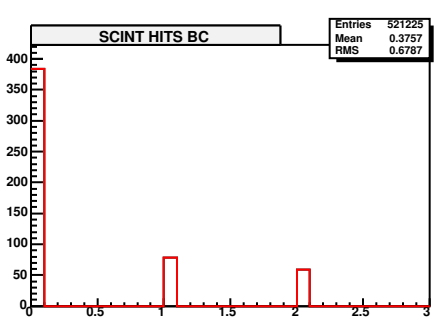

TRACKHALO
Entries 521225
Mean 3.404
RMS 14.29


All di-mu pair mass
Entries 82653
Mean 2649
RMS 2.568e+04

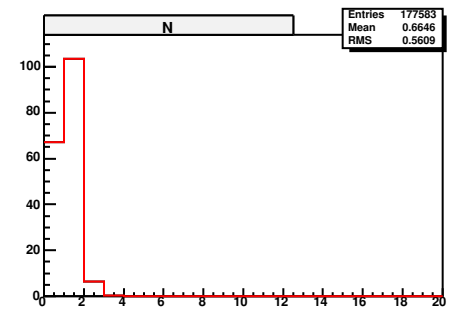

W HITS A
Entries 521225
Mean 1.215
RMS 1.857

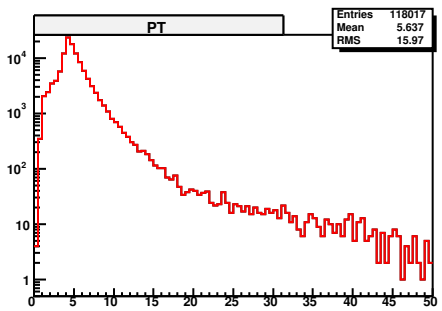

W HITS BC
Entries 521225
Mean 1.44
RMS 2.182

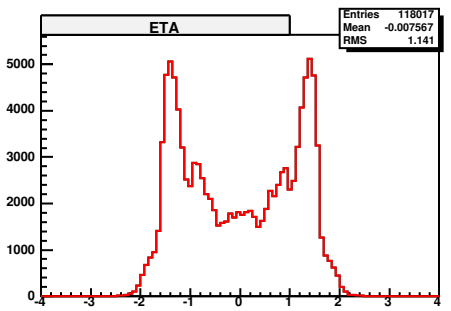

SCINT HITS A
Entries 521225
Mean 0.3506
RMS 0.4772

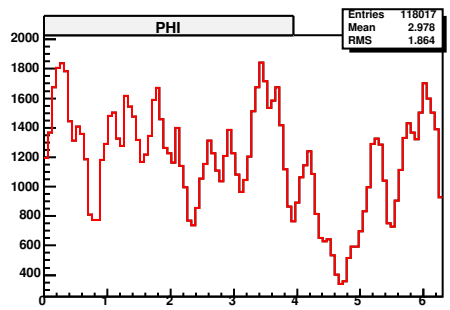

SCINT HITS BC
Entries 521225
Mean 0.3757
RMS 0.6787

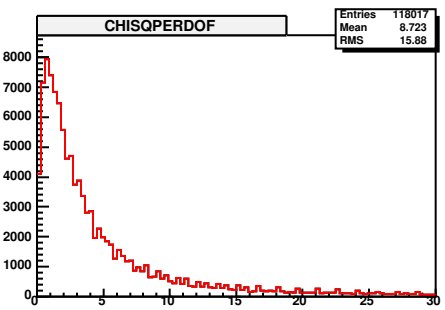
Muons (All)

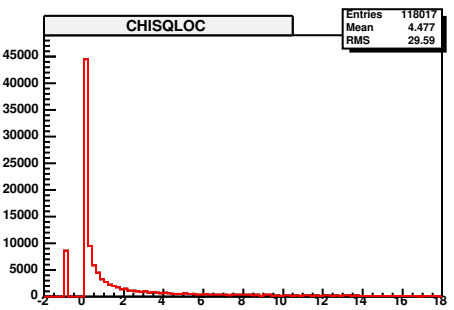


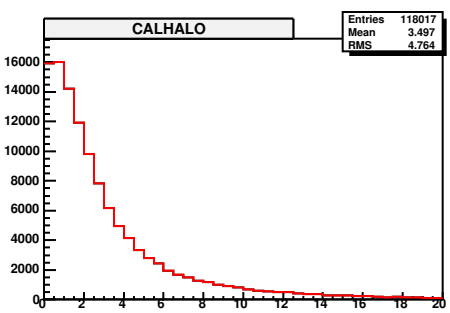


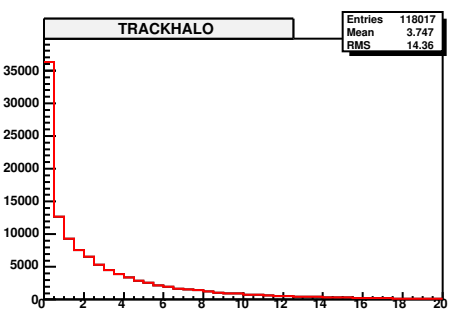


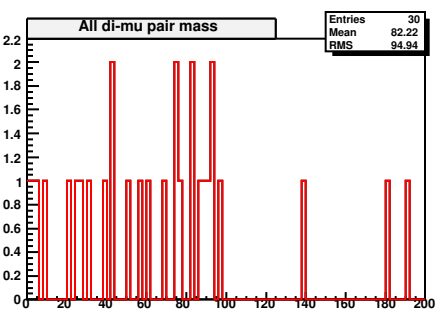


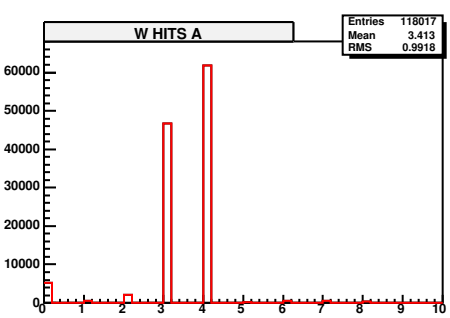


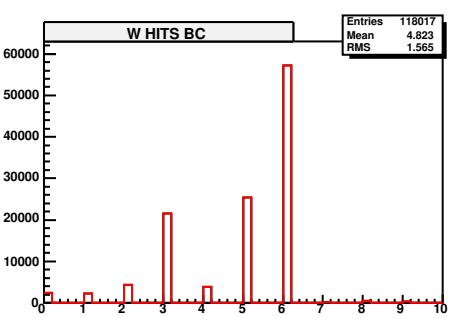


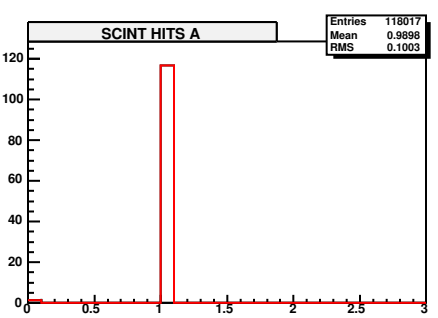


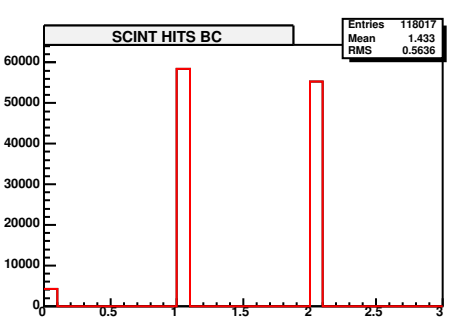




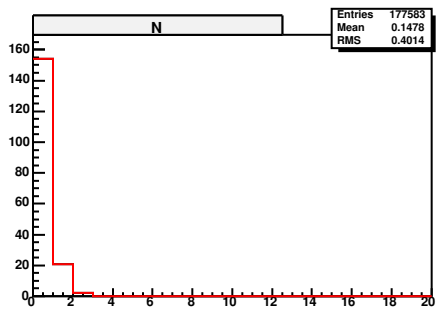


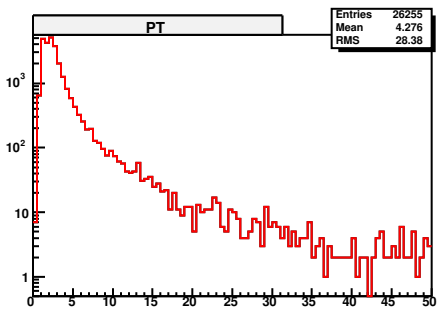


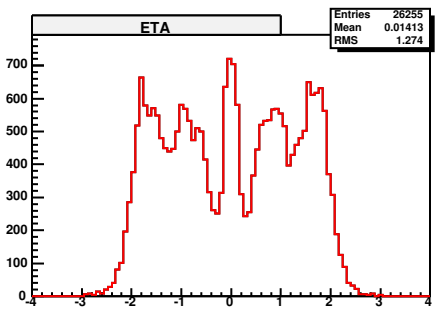


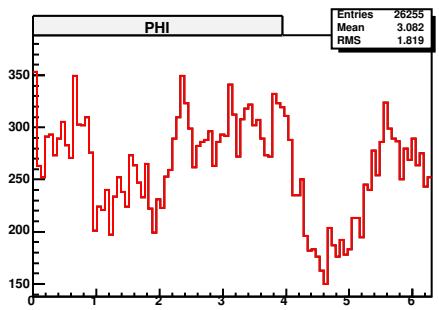


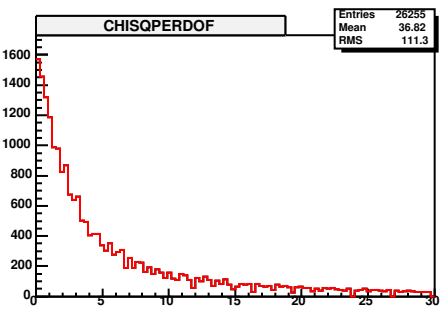
Muons (Matched)

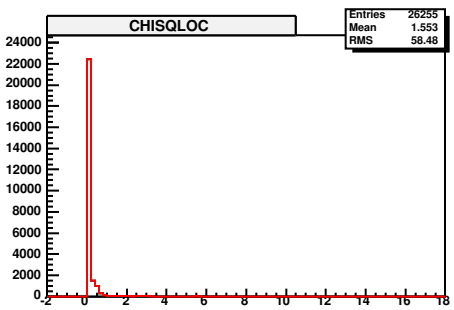

N
Entries 177583
Mean 0.1478
RMS 0.4014

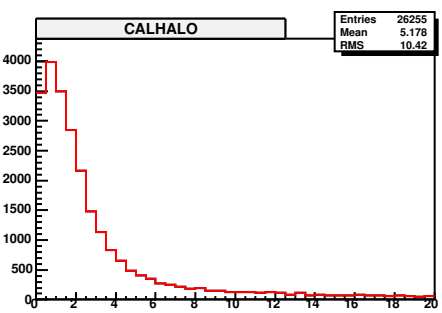

PT
Entries 26255
Mean 4.276
RMS 28.38

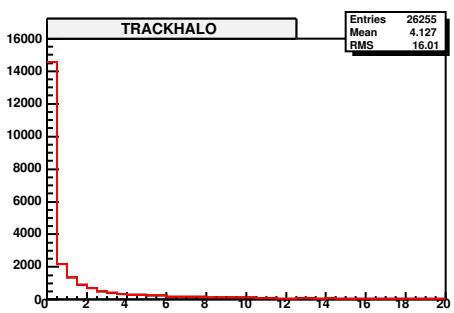

ETA
Entries 26255
Mean 0.01413
RMS 1.274

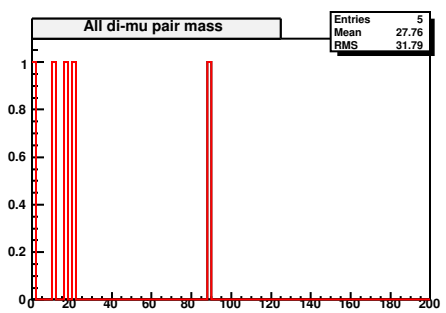

PHI
Entries 26255
Mean 3.082
RMS 1.819

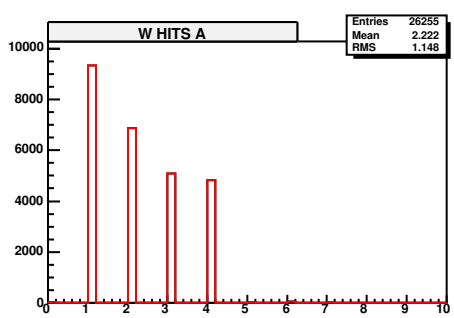

CHISQPERDOF
Entries 26255
Mean 36.82
RMS 111.3

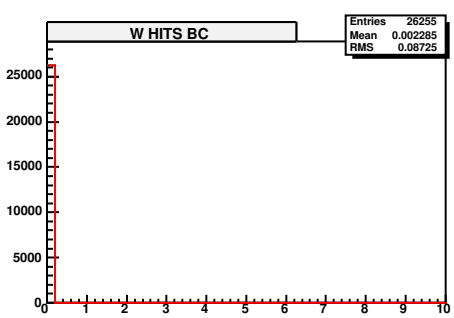

CHISQLOC
Entries 26255
Mean 1.553
RMS 58.48

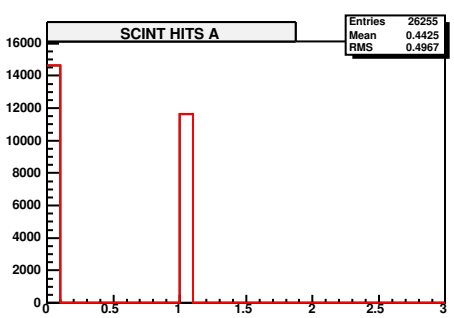

CALHALO
Entries 26255
Mean 5.178
RMS 10.42

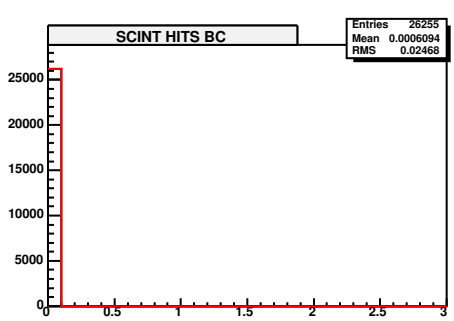

TRACKHALO
Entries 26255
Mean 4.127
RMS 16.01


All di-mu pair mass
Entries 5
Mean 27.76
RMS 31.79

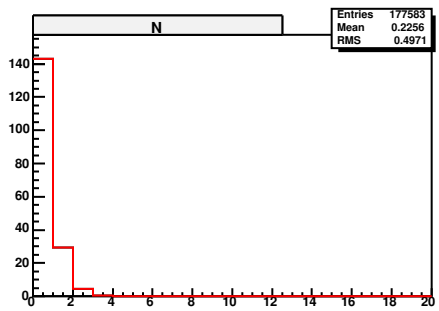

W HITS A
Entries 26255
Mean 2.222
RMS 1.148

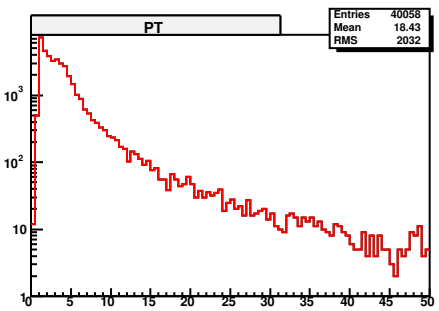

W HITS BC
Entries 26255
Mean 0.002285
RMS 0.08725

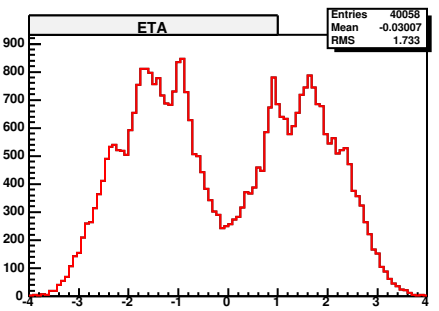

SCINT HITS A
Entries 26255
Mean 0.4425
RMS 0.4967

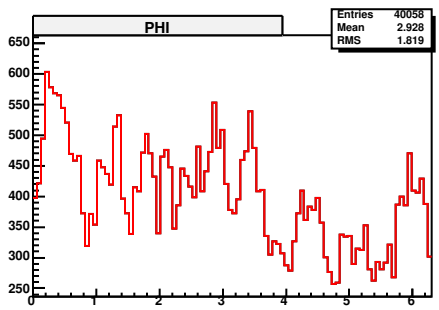

SCINT HITS BC
Entries 26255
Mean 0.0006094
RMS 0.02468

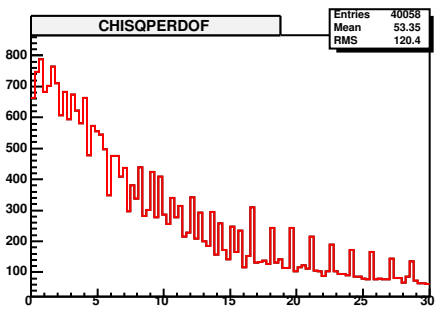
Muons (Astub)

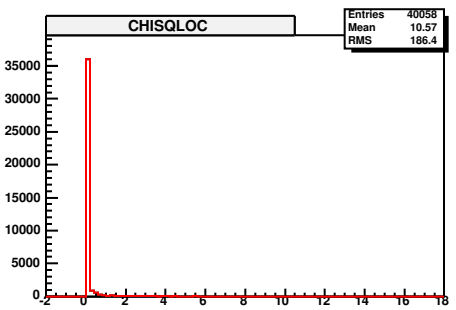


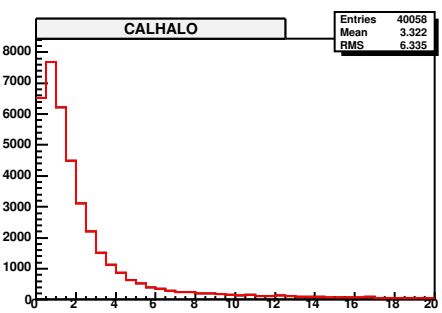


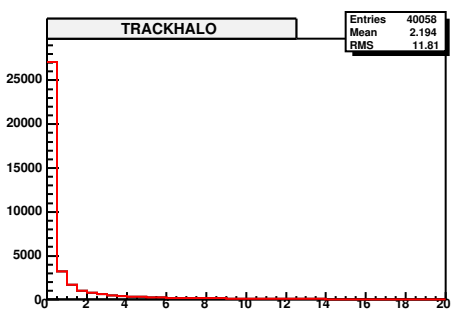


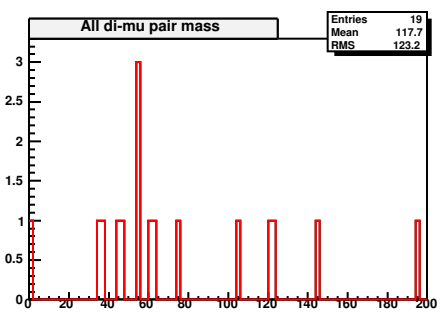


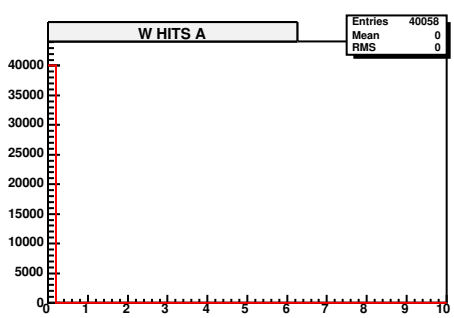


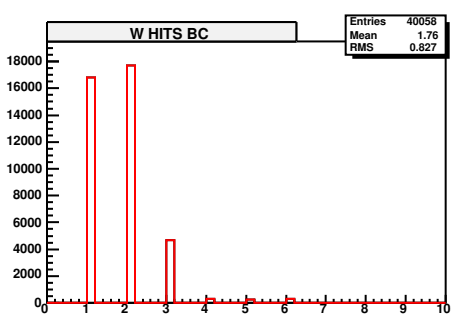


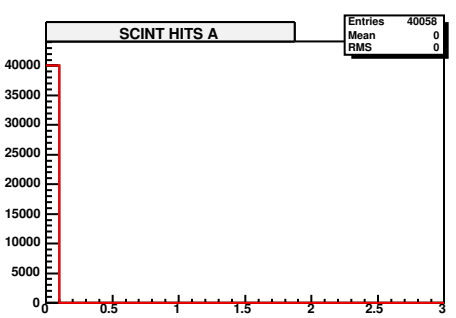


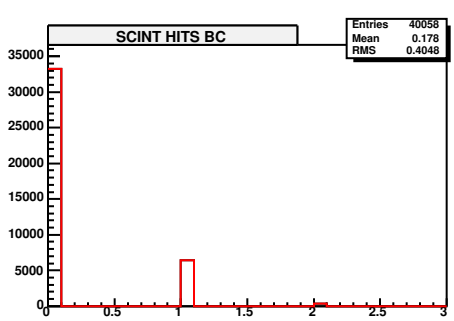




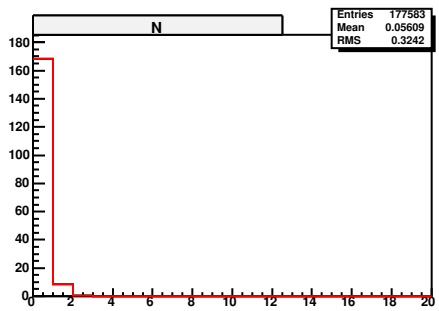


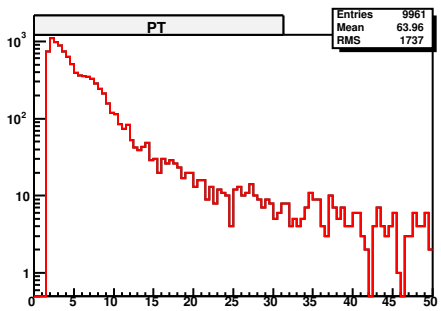


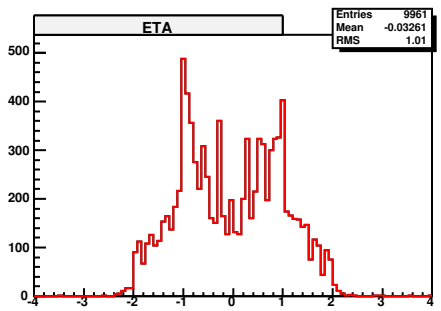


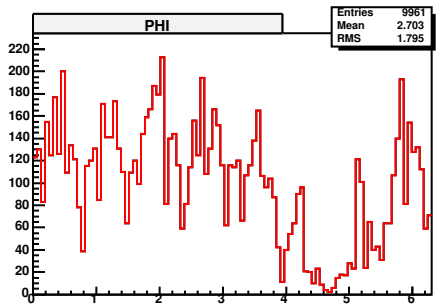


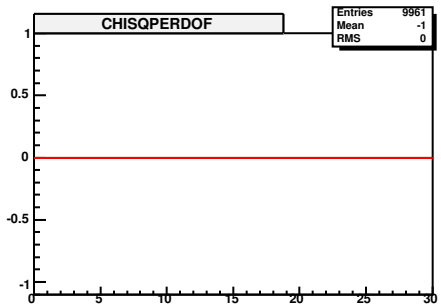
Muons (BCstub)

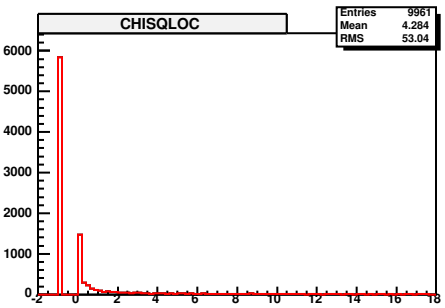


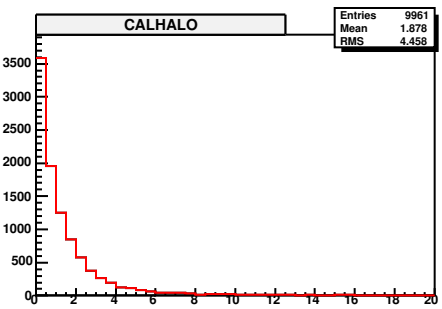


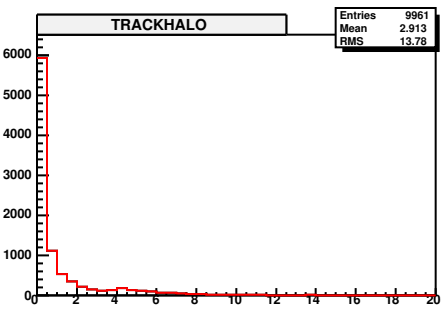


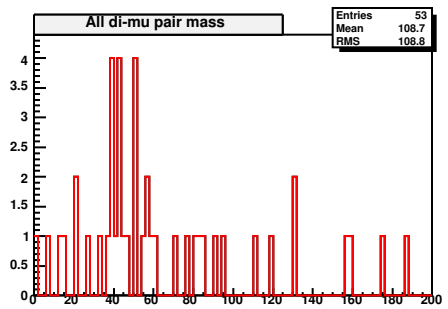


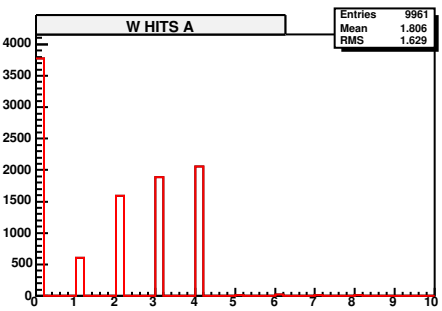


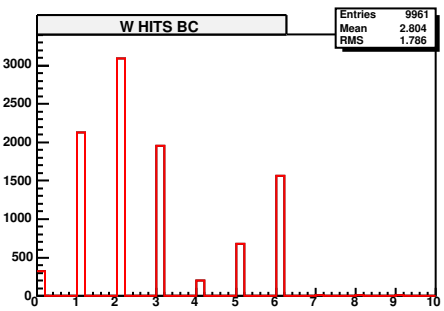


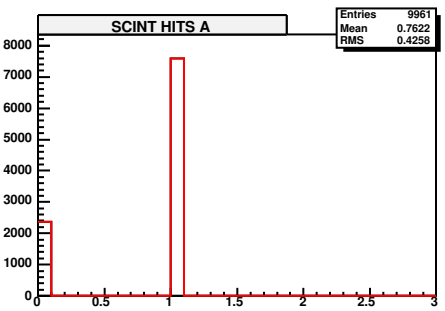


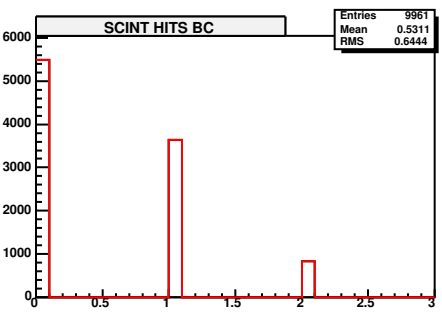




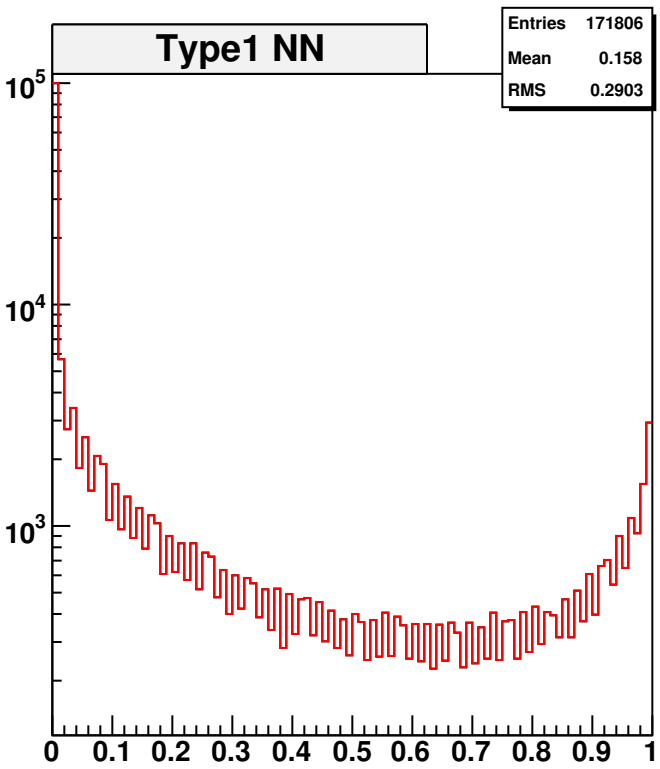


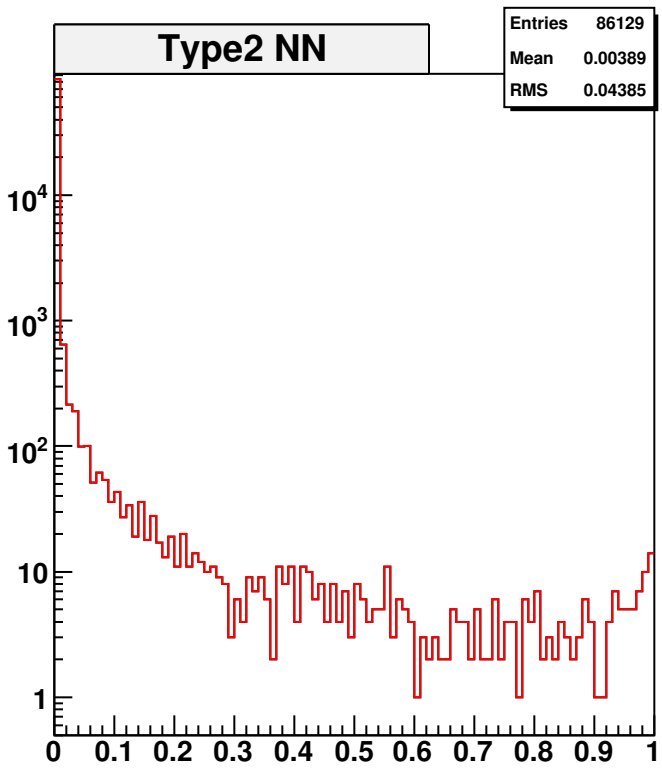


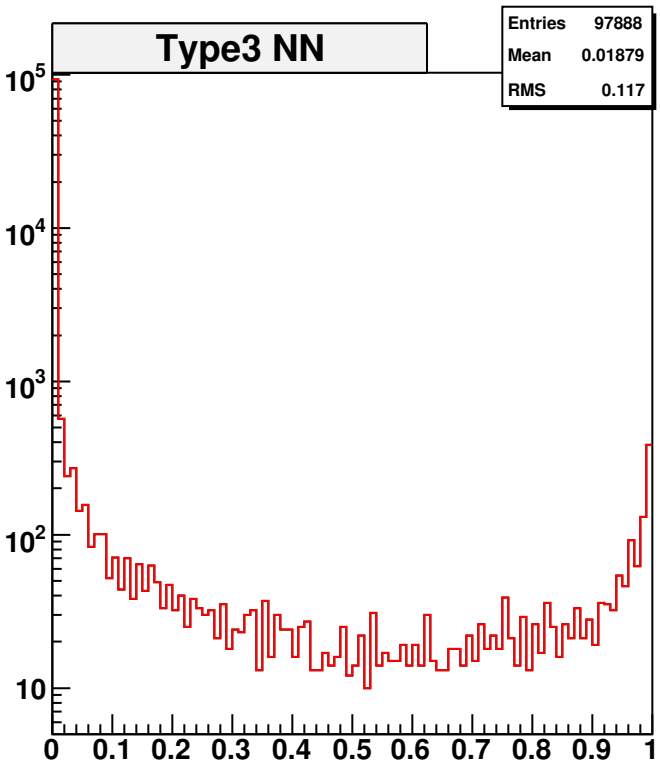


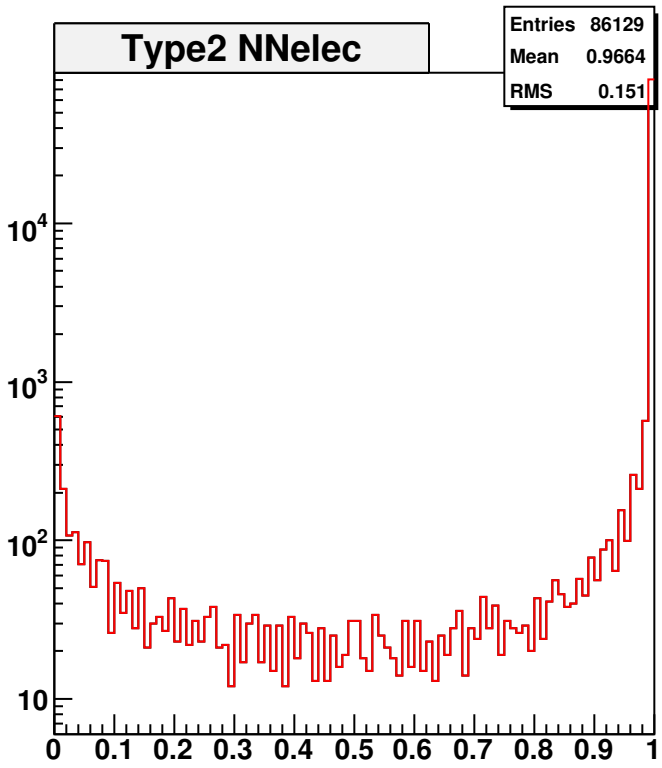


Muons (Unmatched)

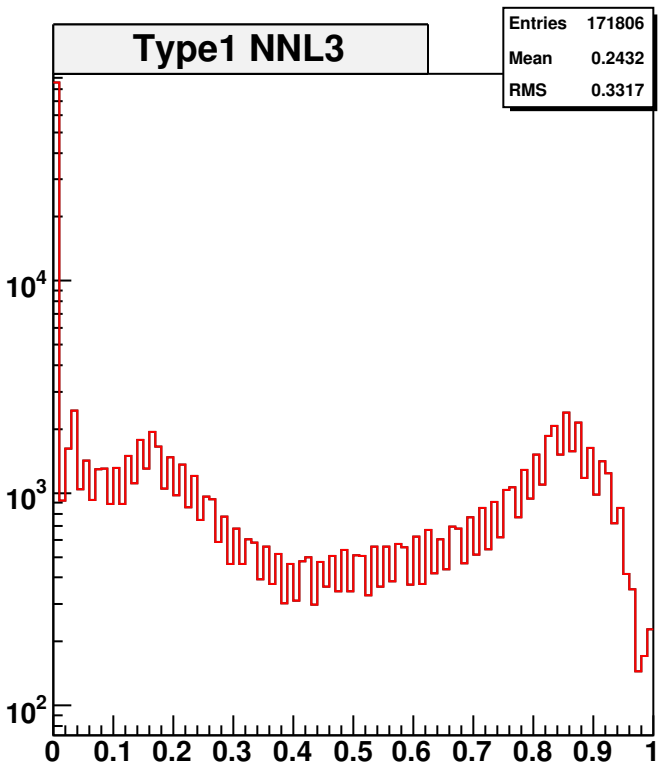


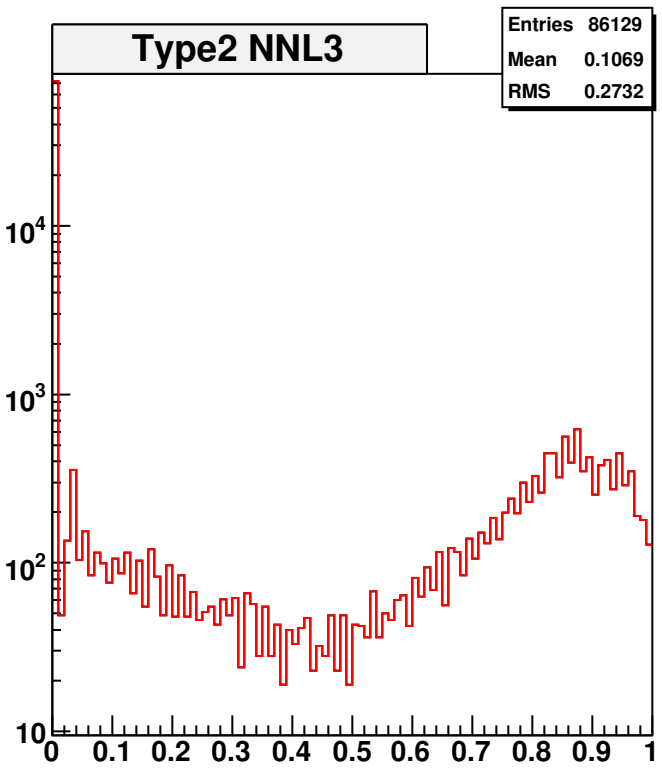


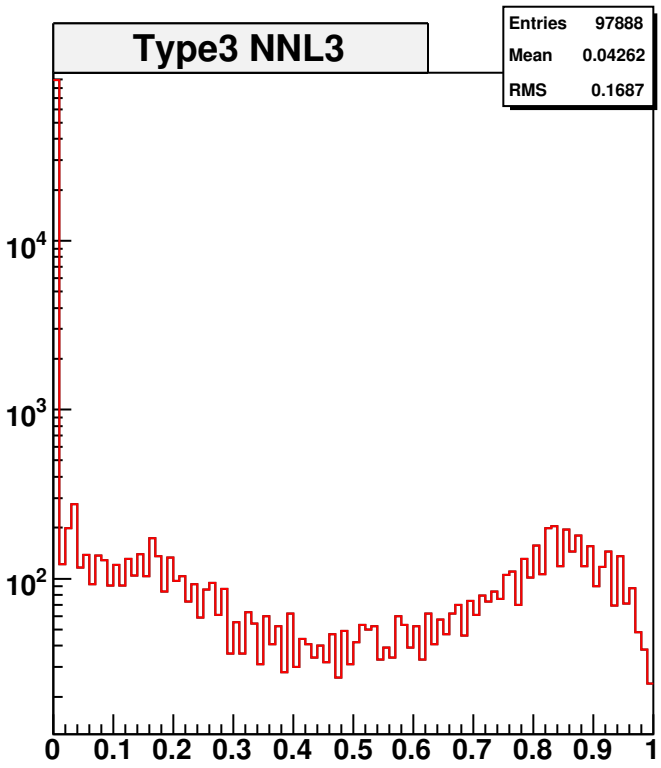


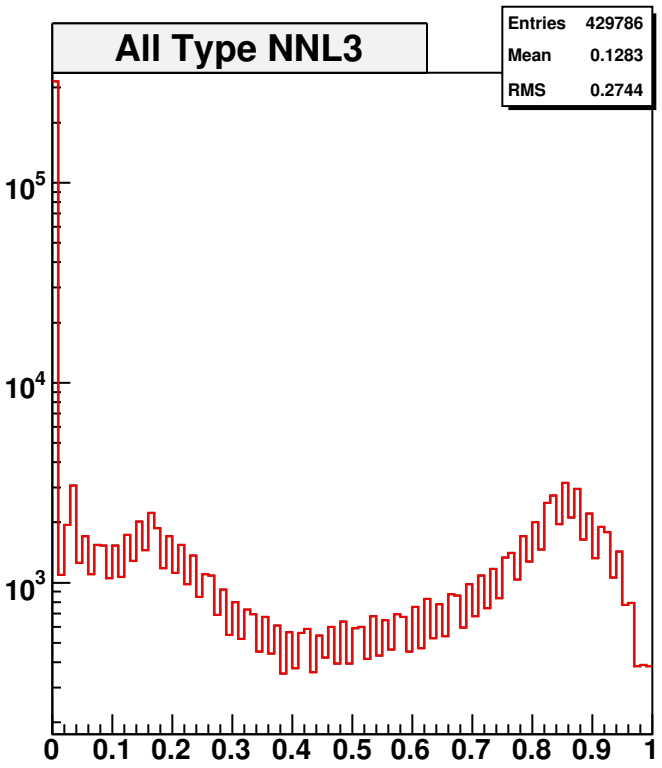


Taus NN (TAU All)

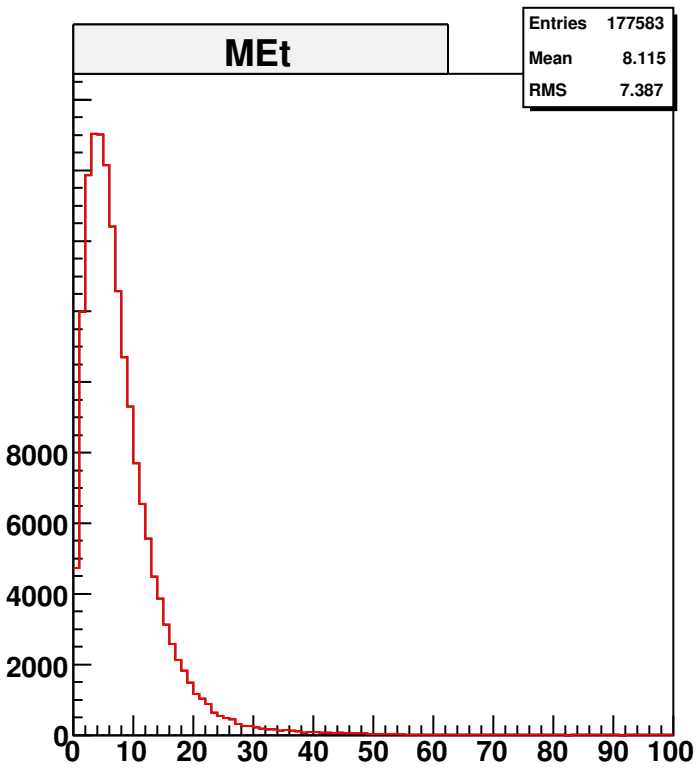


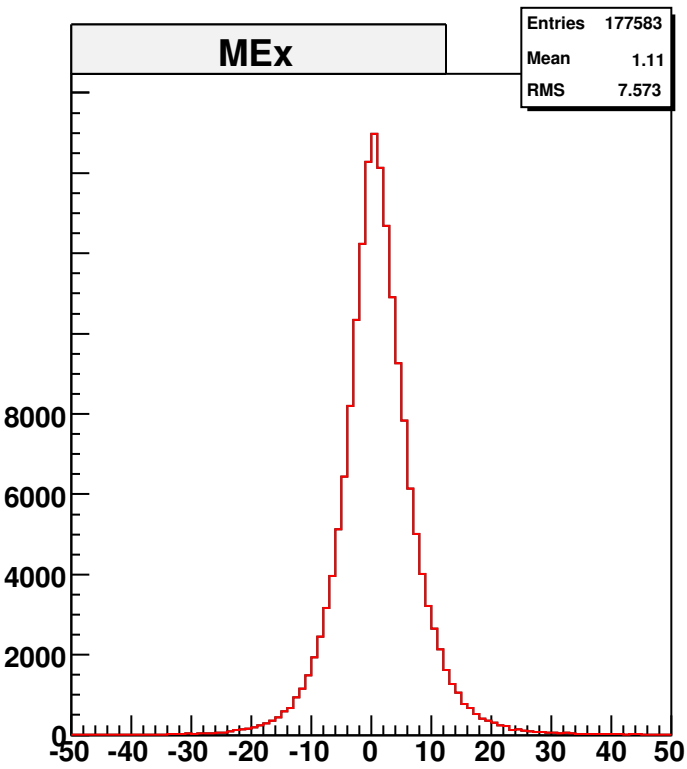


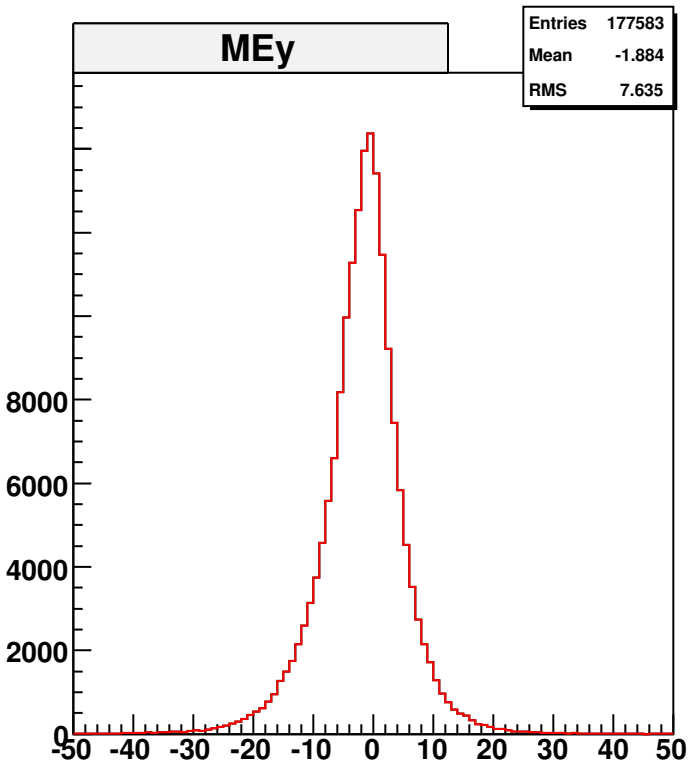




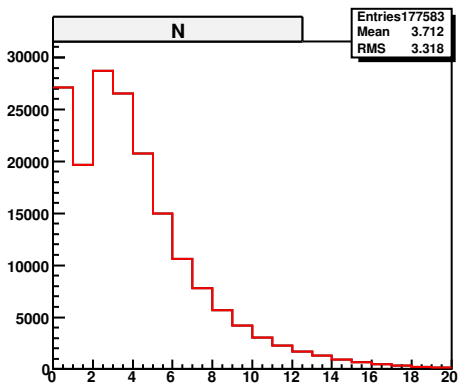
Taus NNL3 (TAU All)

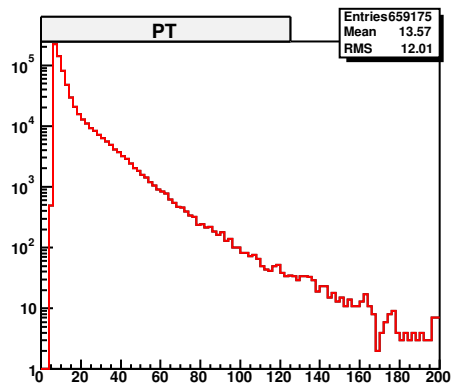

MEt
Entries 177583
Mean 8.115
RMS 7.387
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100

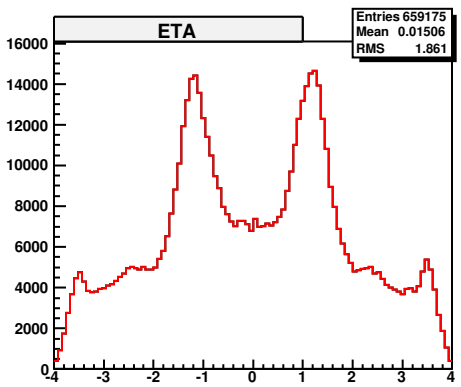

MEx
Entries 177583
Mean 1.11
RMS 7.573
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

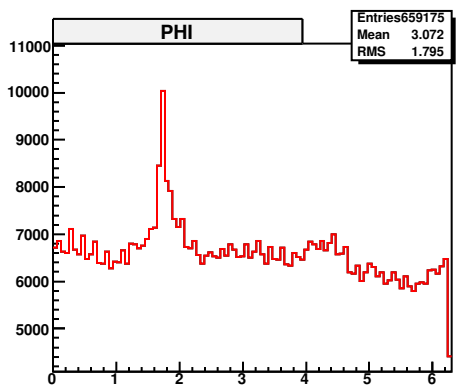

MEy
Entries 177583
Mean -1.884
RMS 7.635
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

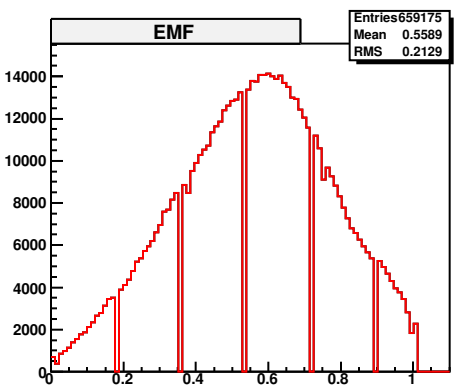
Met (No cuts)

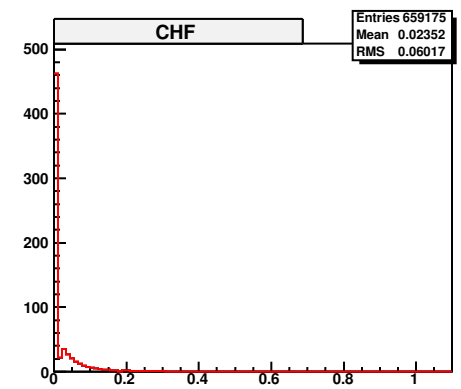


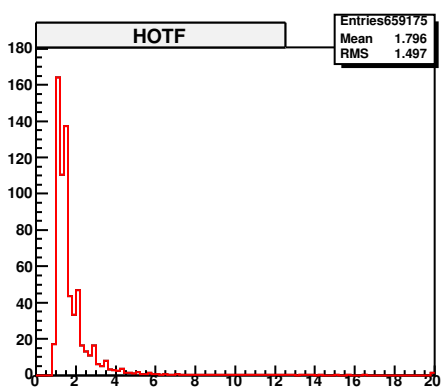


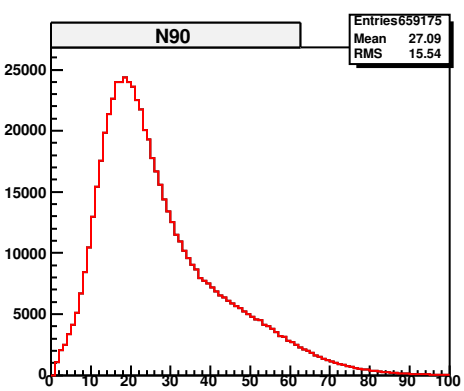


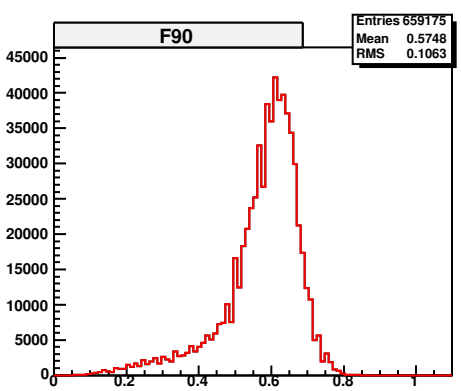


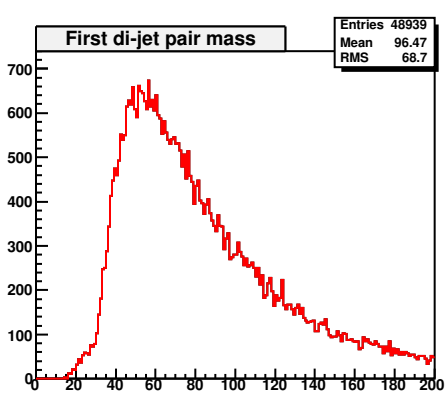


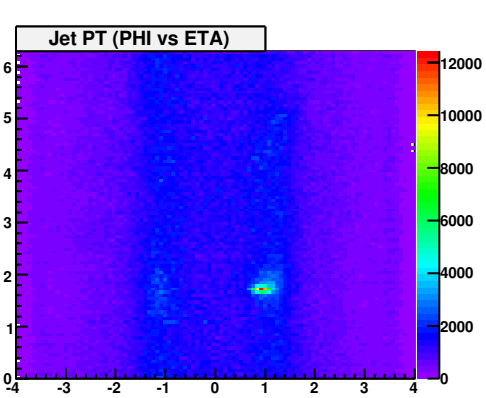




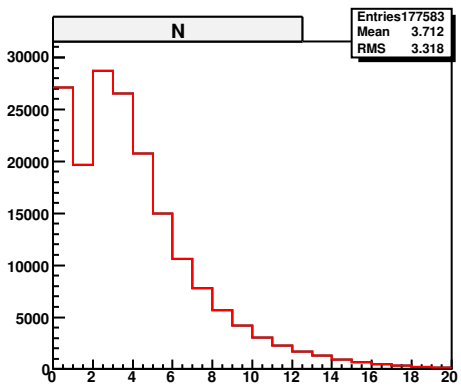


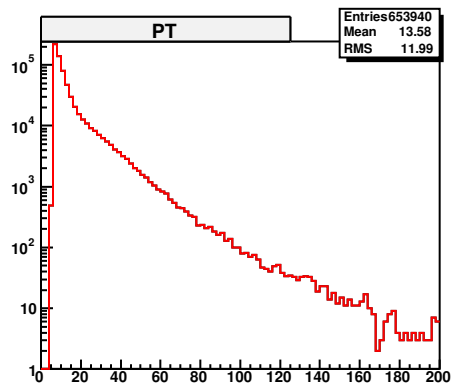


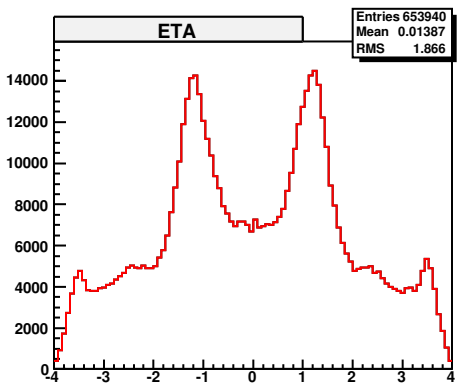


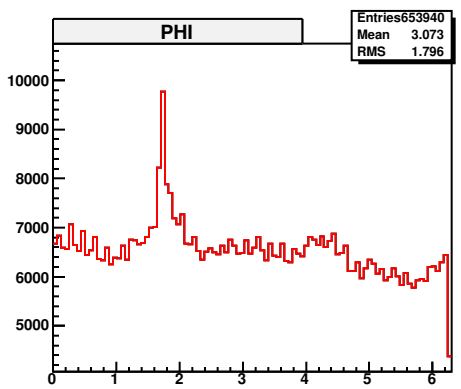


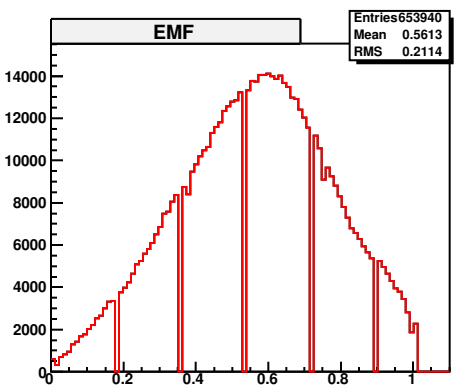
Jets (Cone R 0.7 (no cuts))

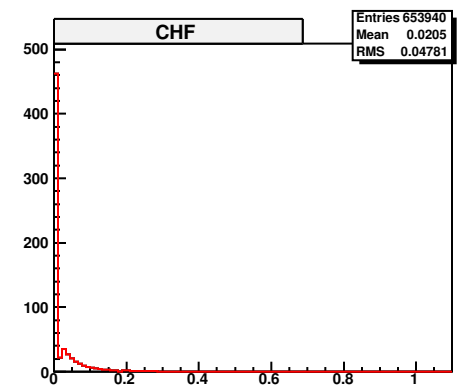


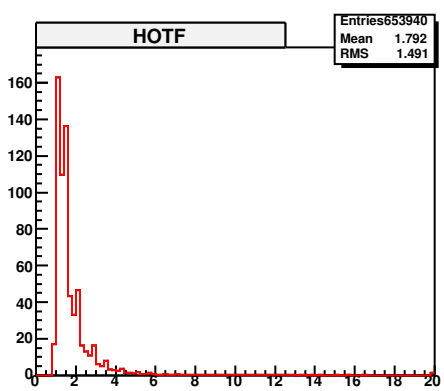


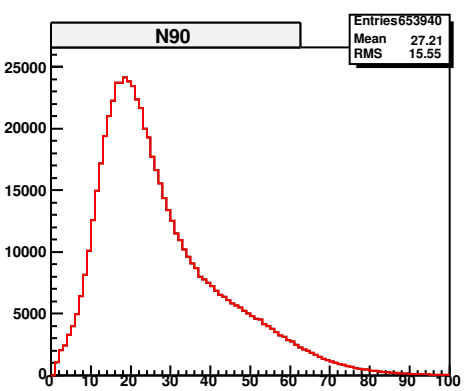


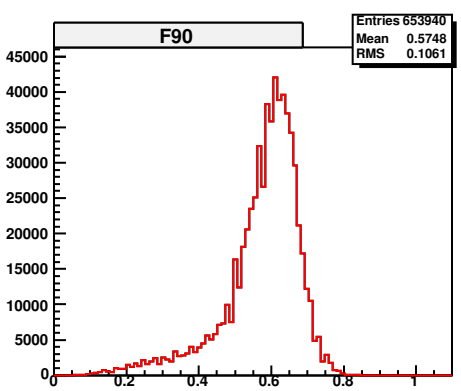


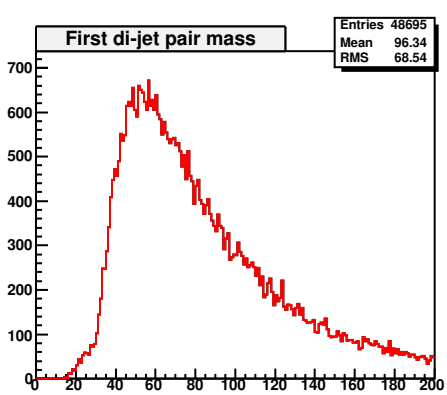


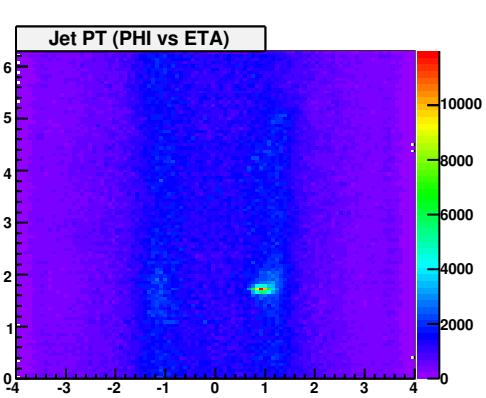




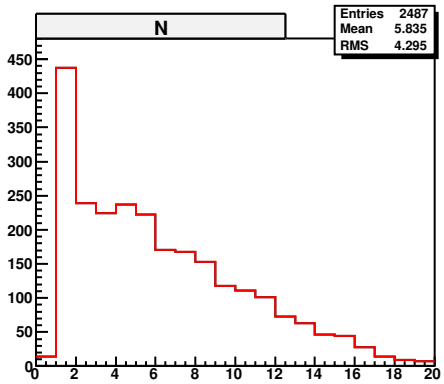


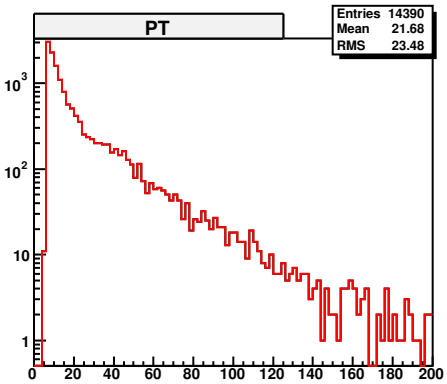


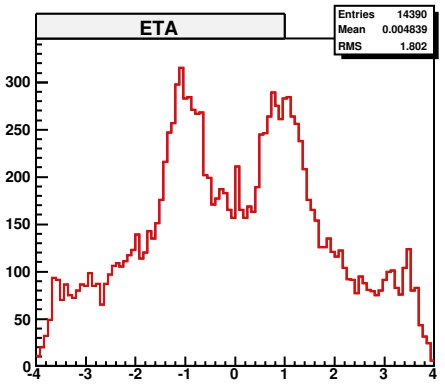


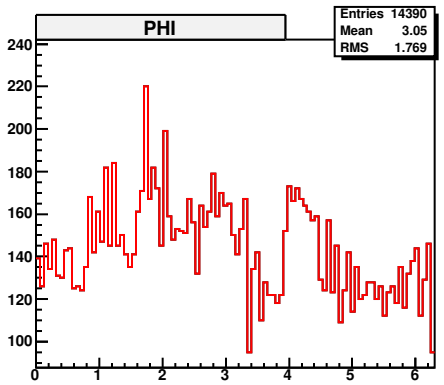


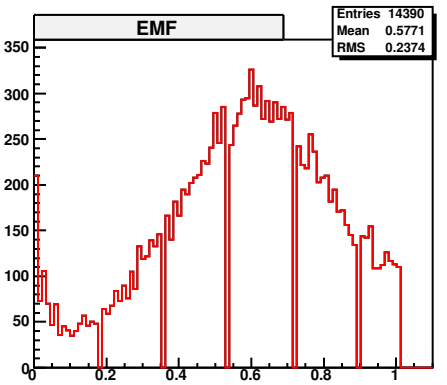
Jets (Cone R 0.7 (standard cuts))

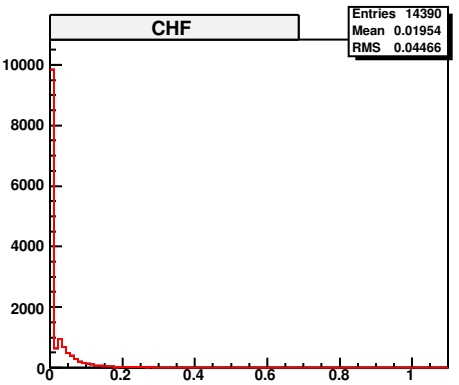


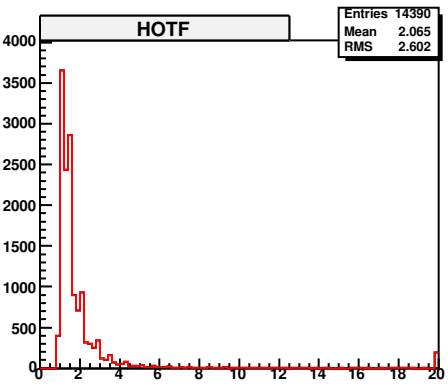


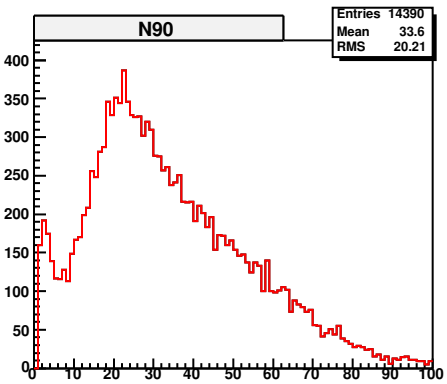


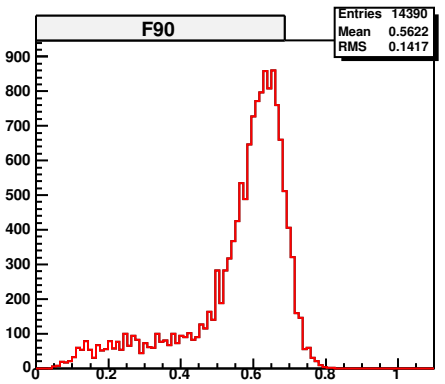


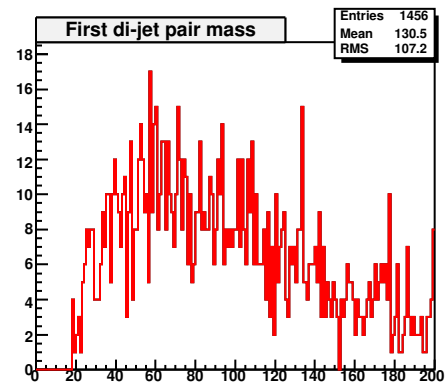


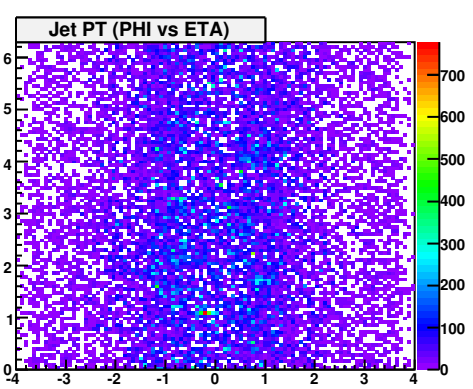




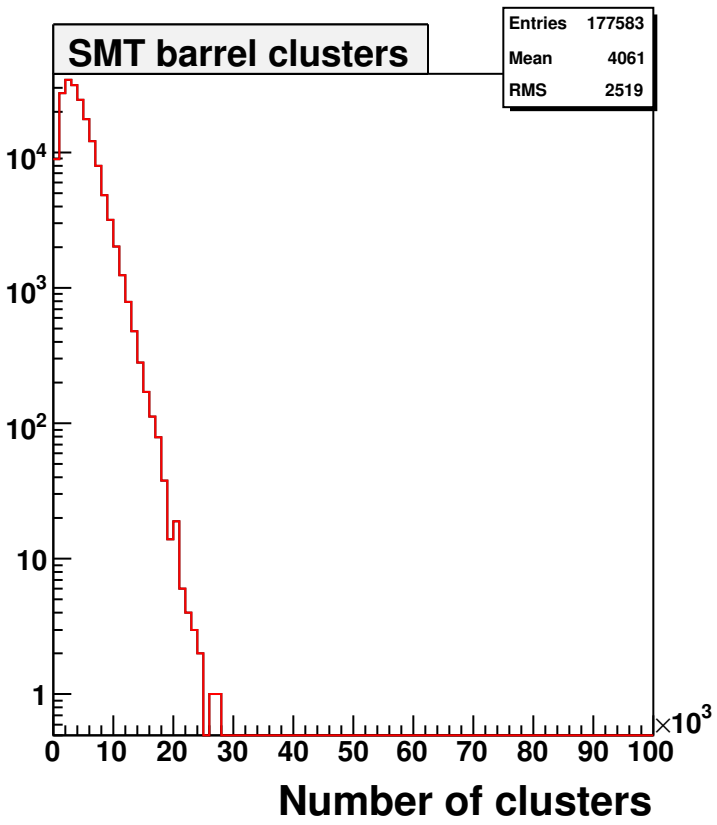


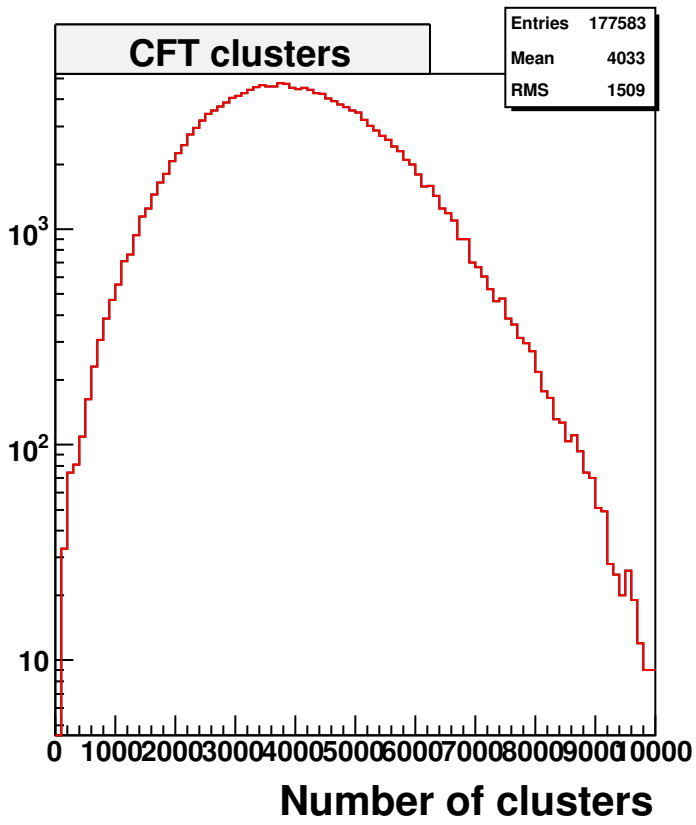


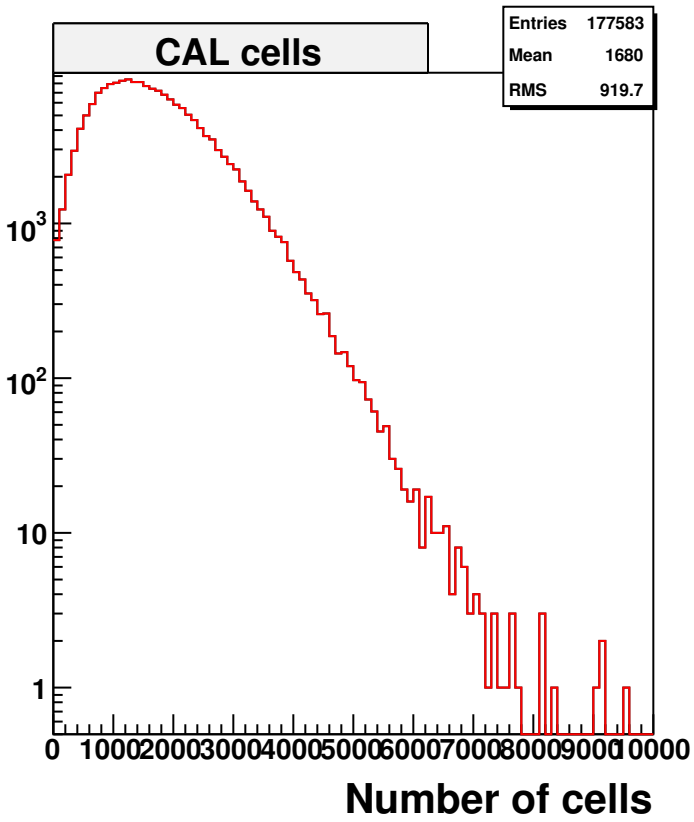


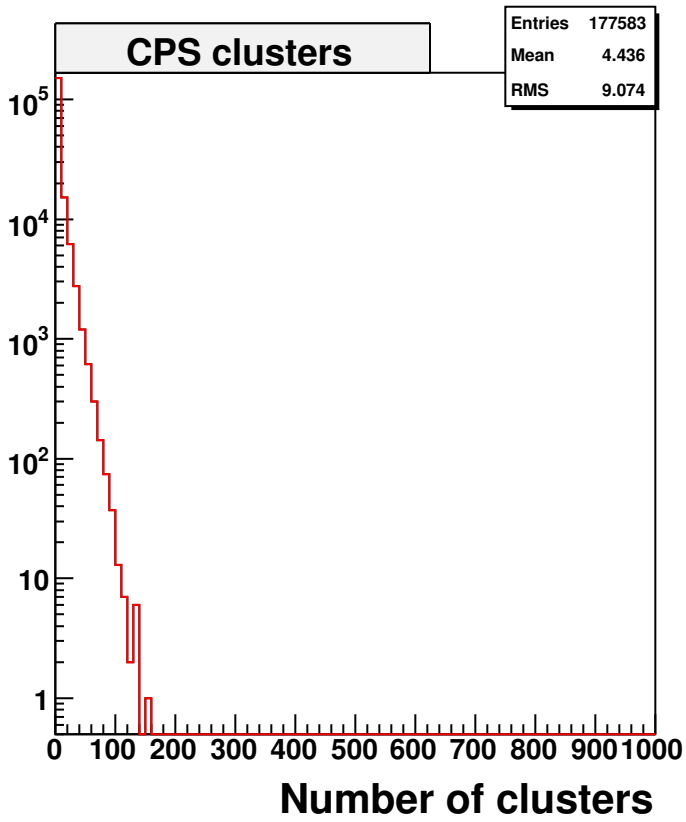


Jets (Cone R 0.7 (standard cuts, MET>30))

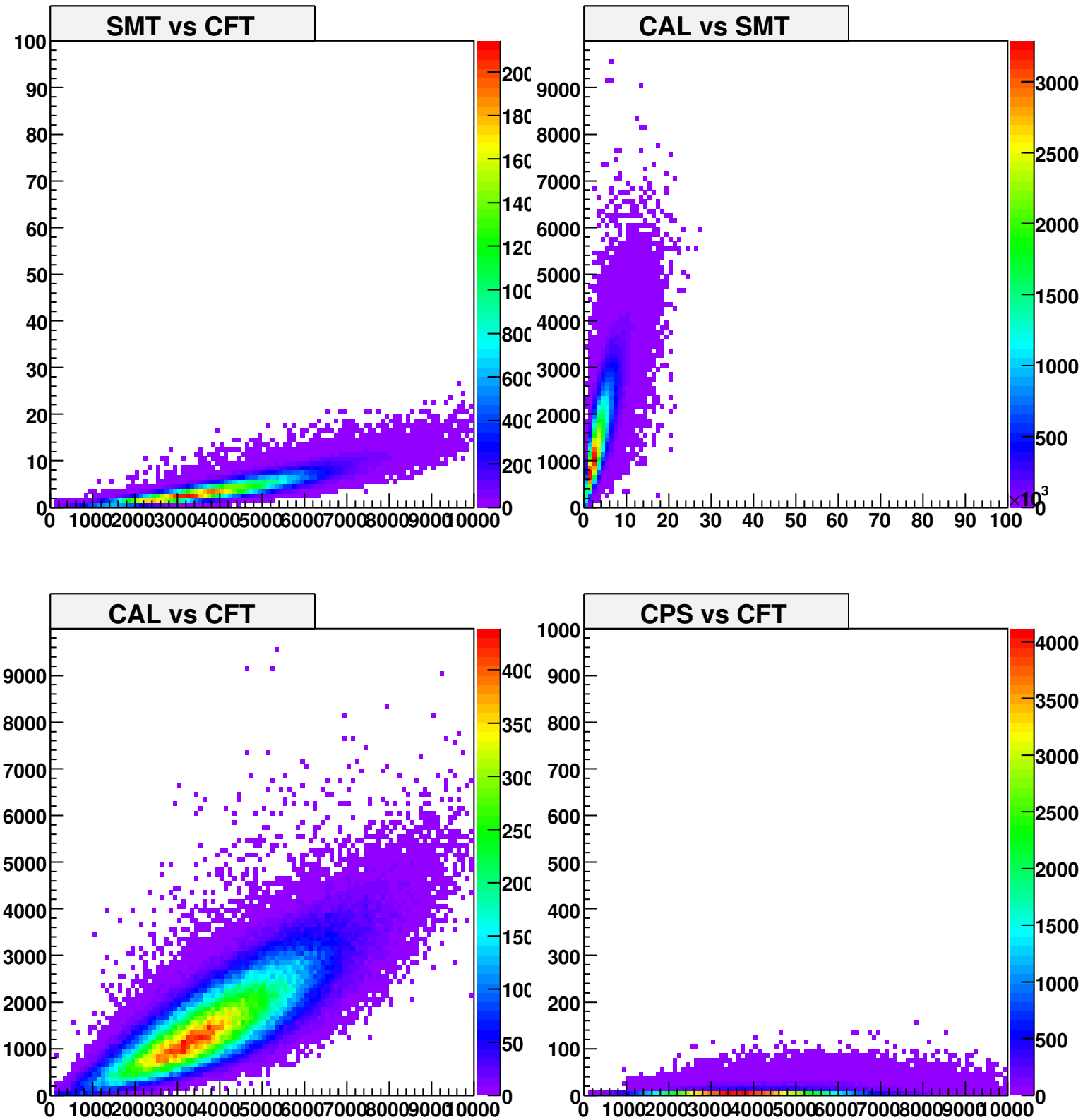




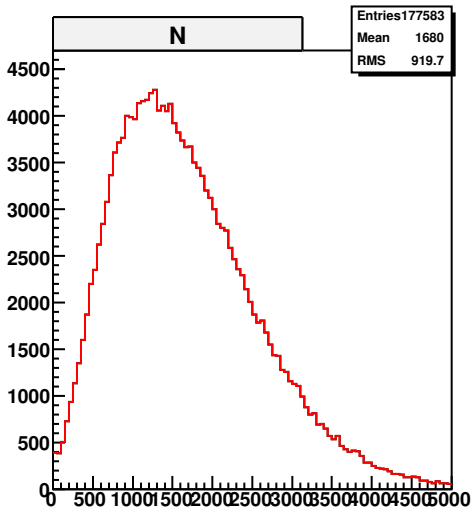


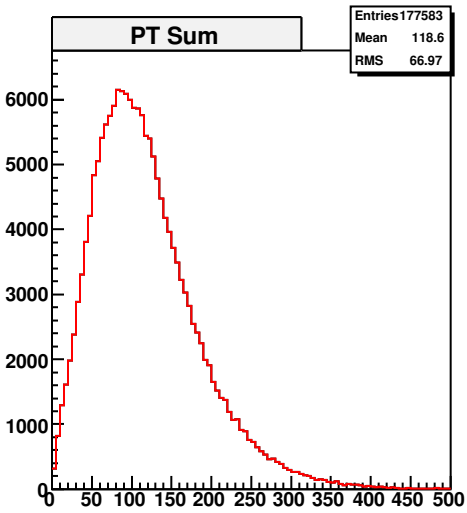


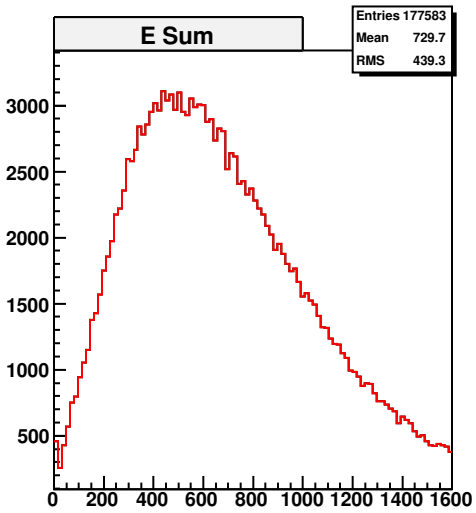
Detector Occupancy (Detector)

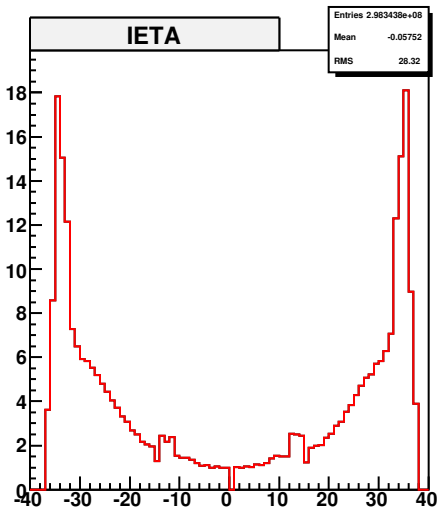


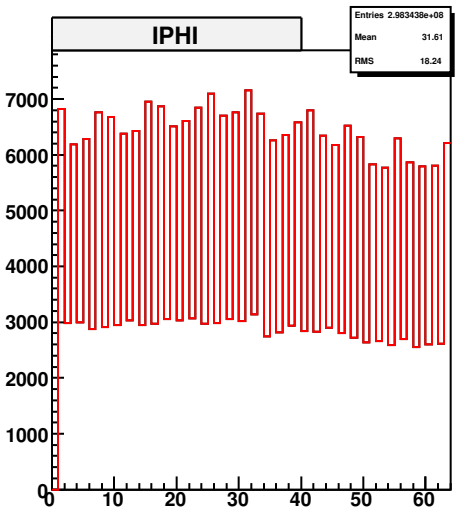
Detector Occupancy (Detector)

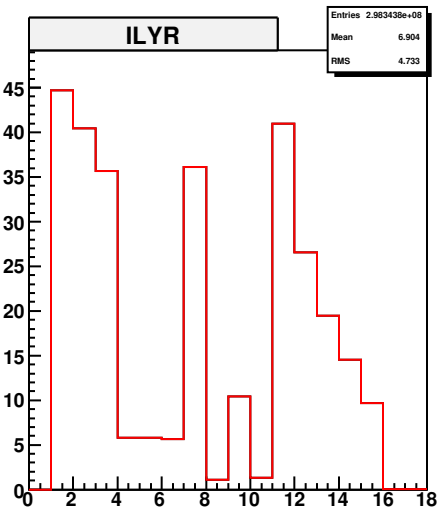


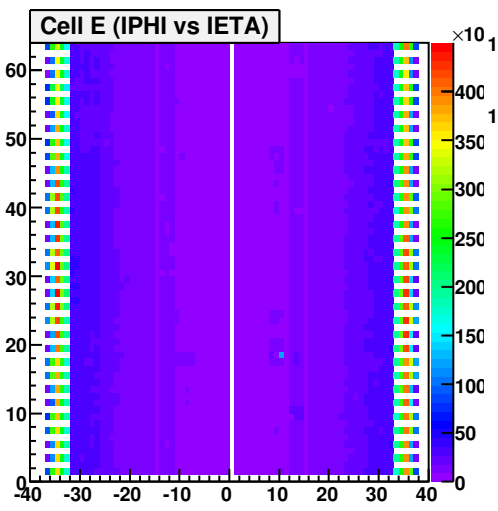


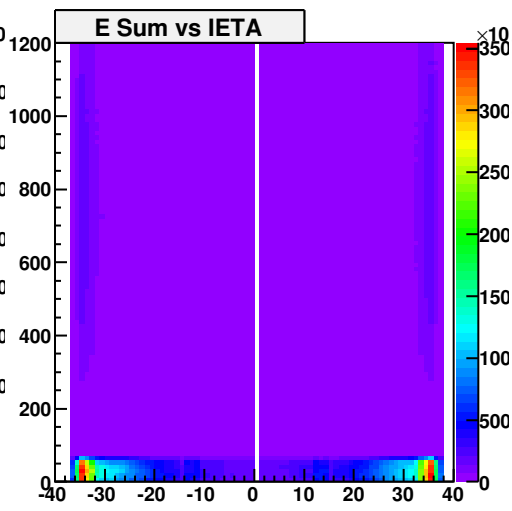


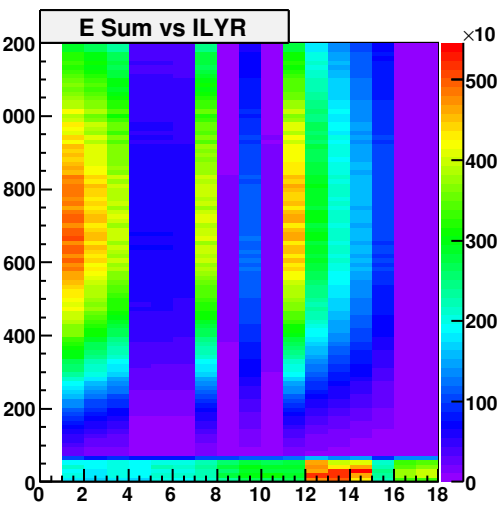




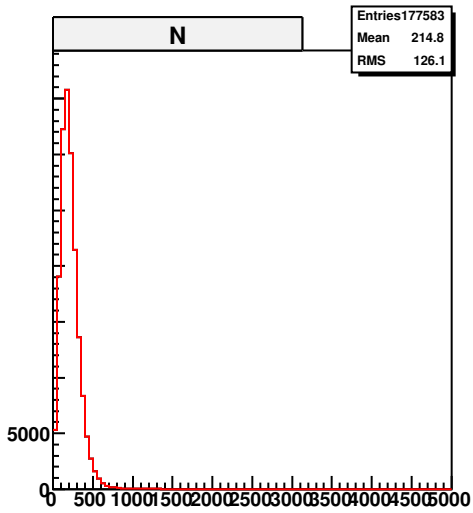


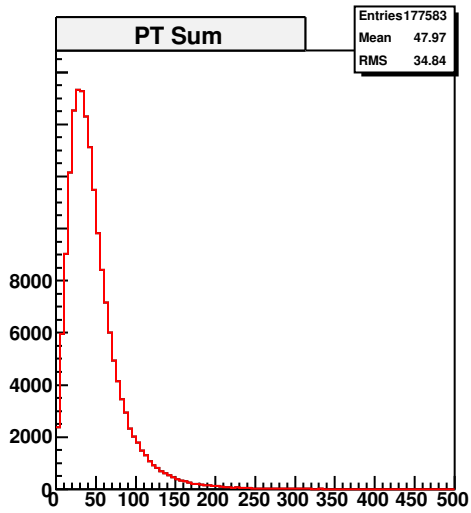


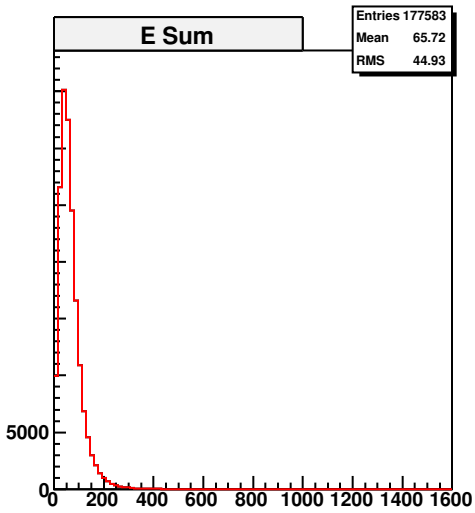


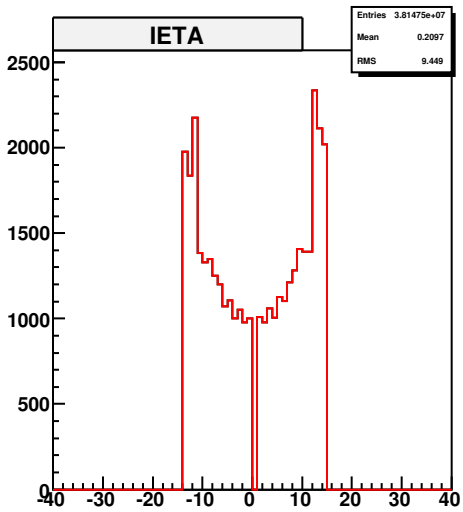


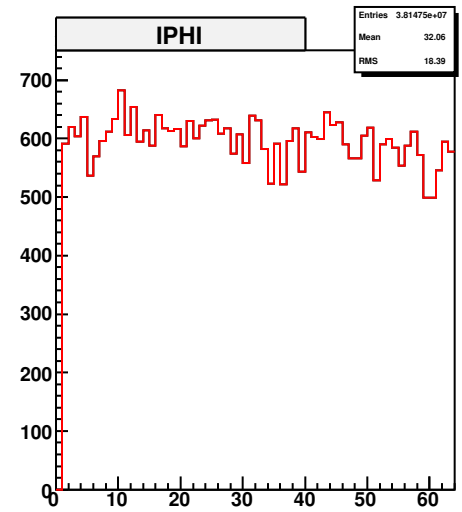
Calorimeter (All cells)

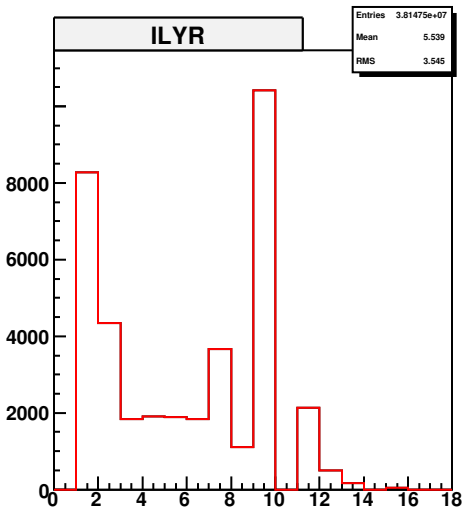


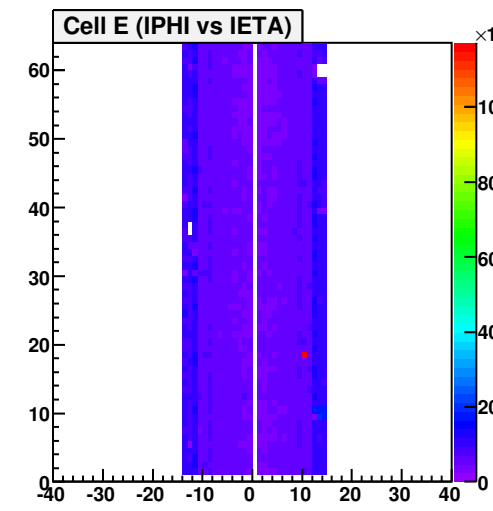


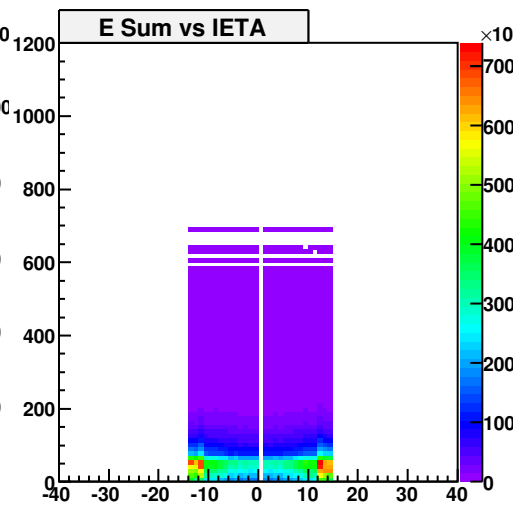


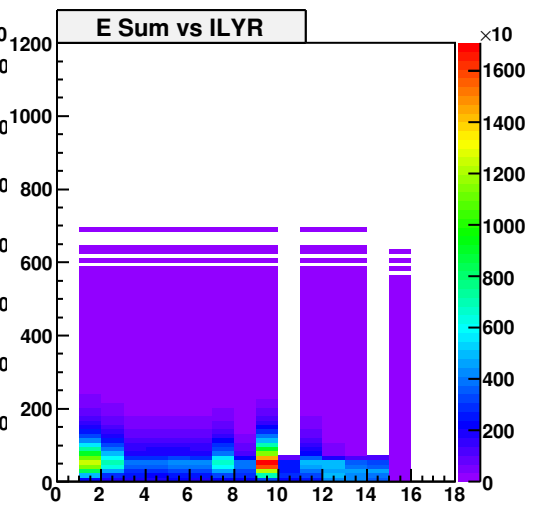




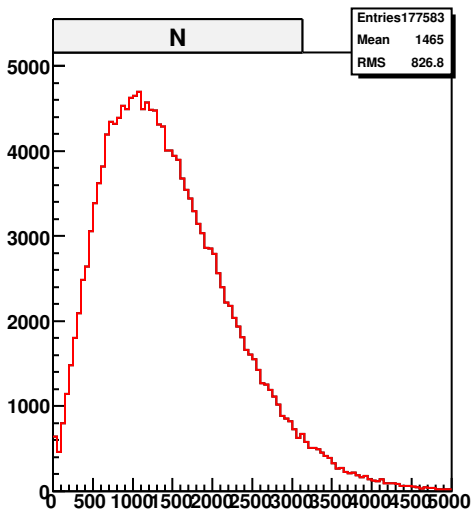


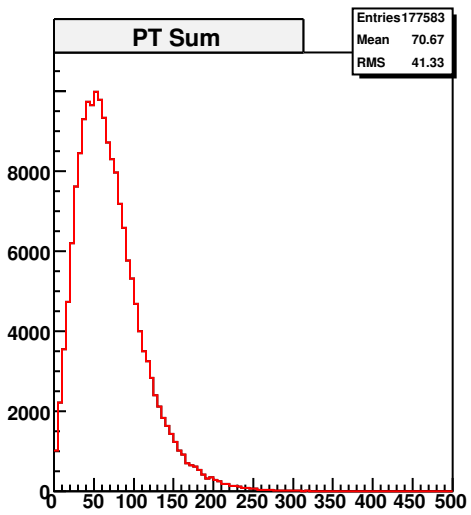


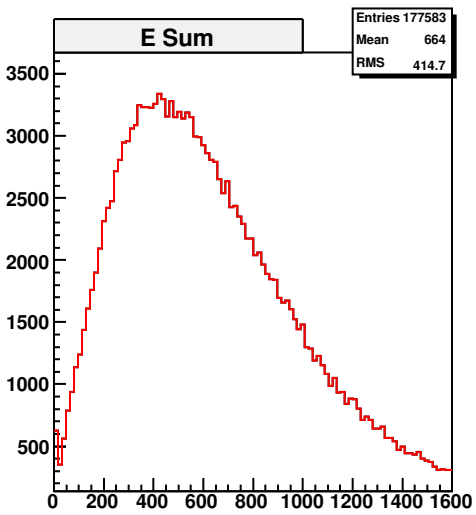


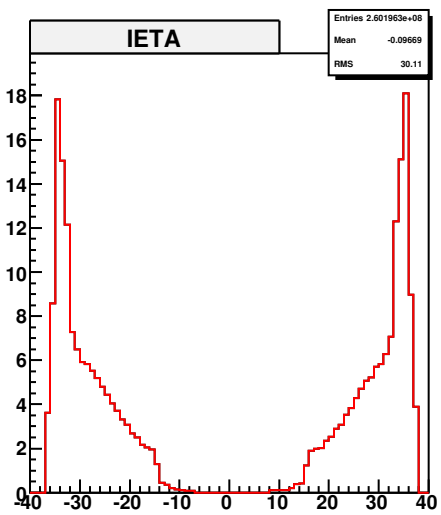


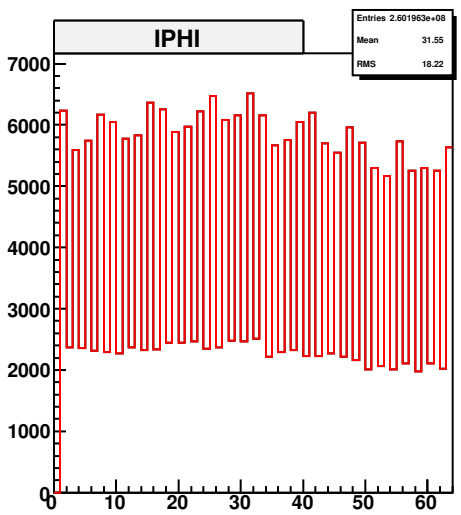
Calorimeter (All CC cells)

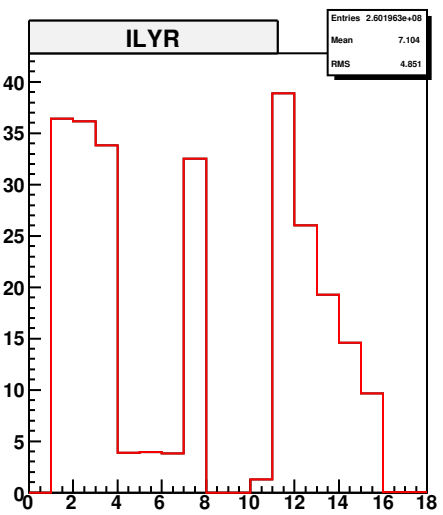


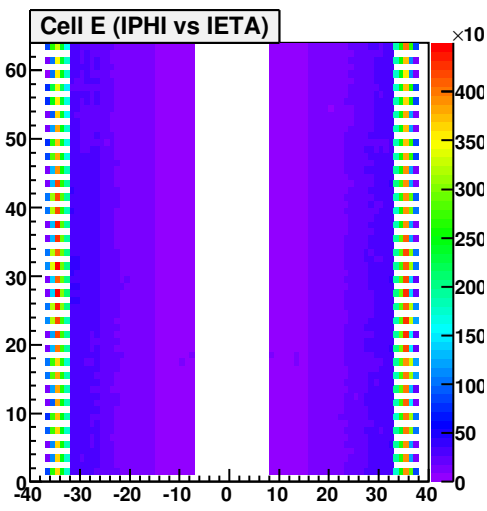


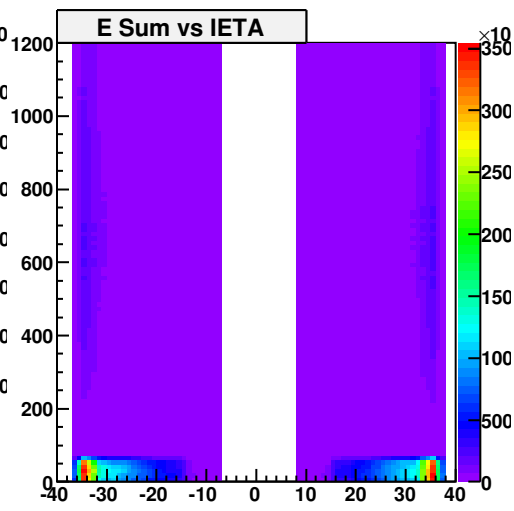


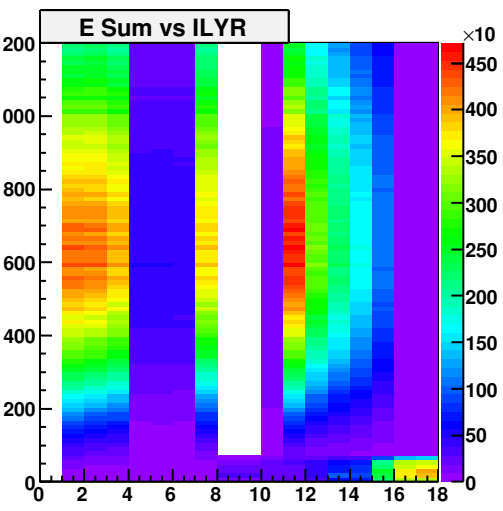




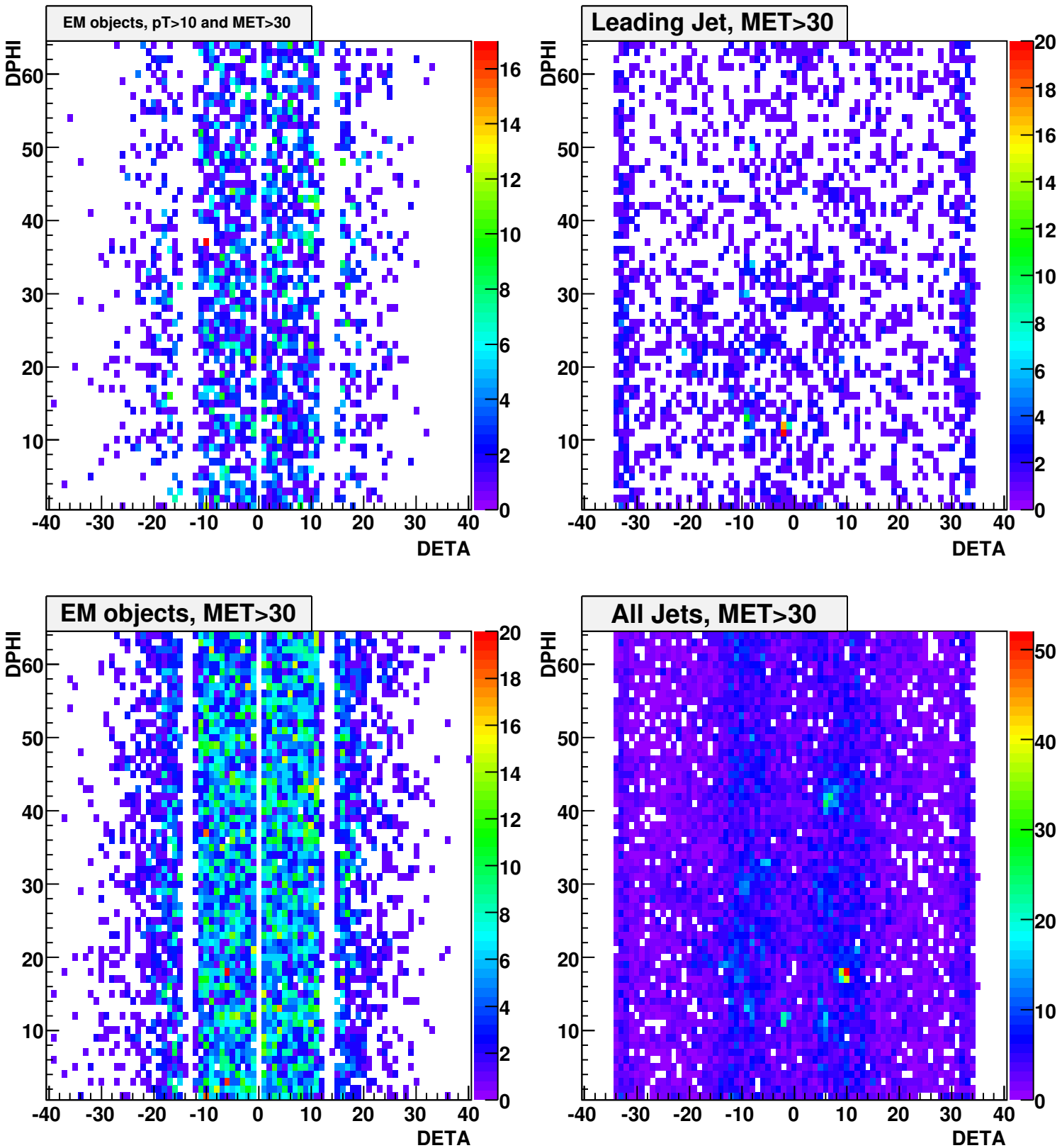




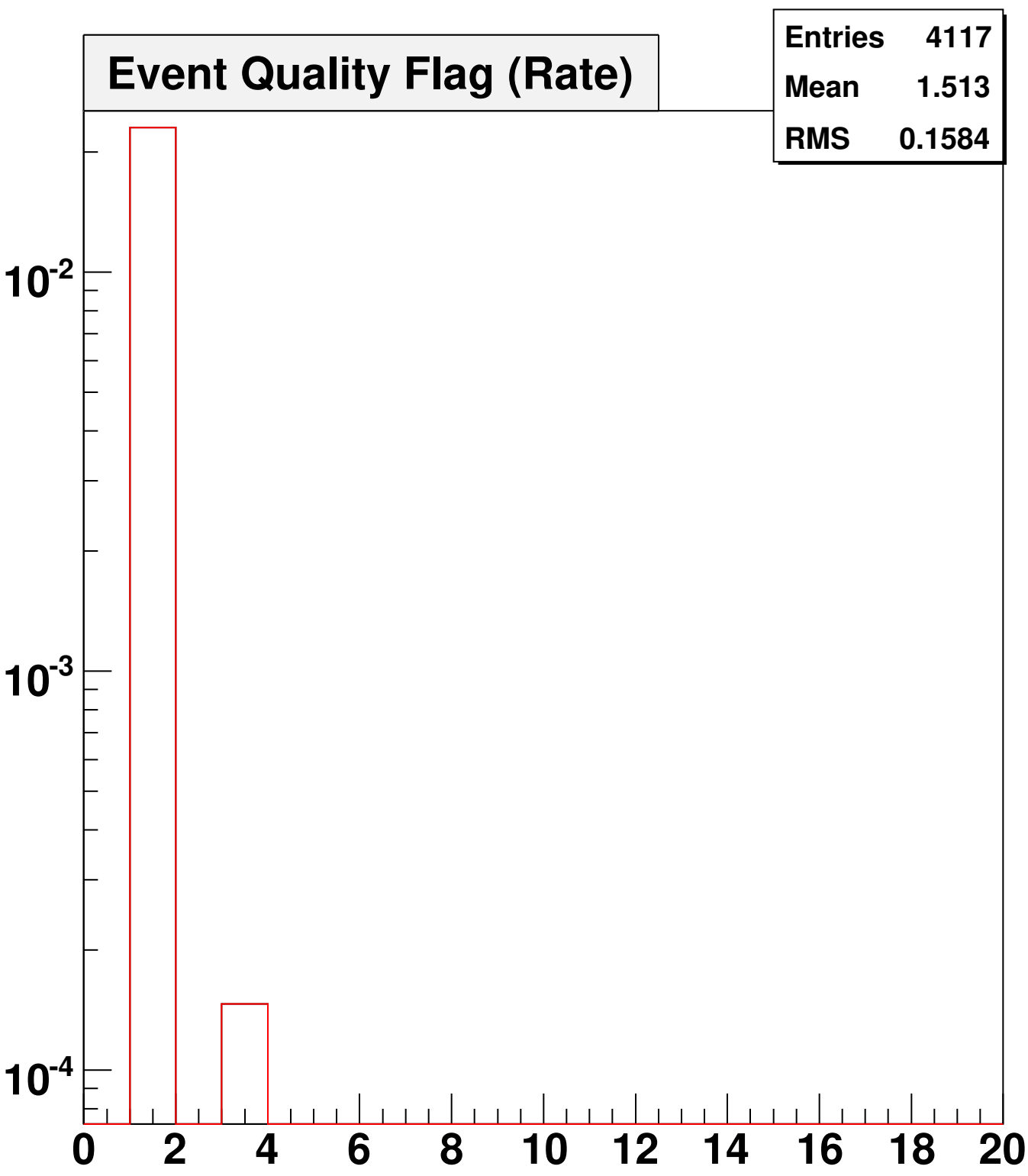


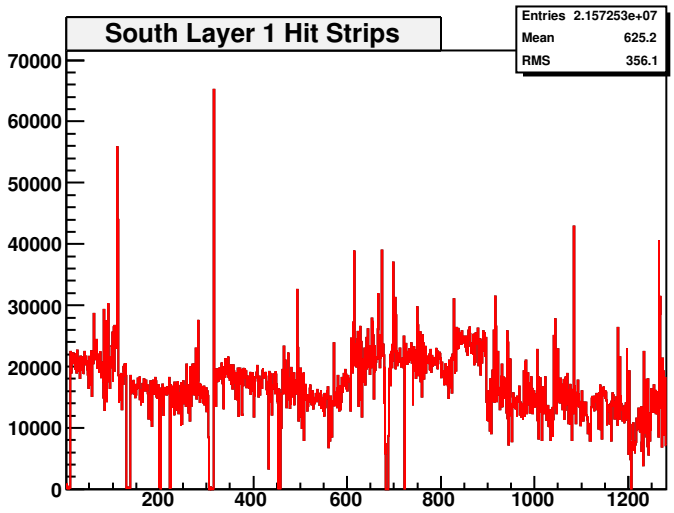


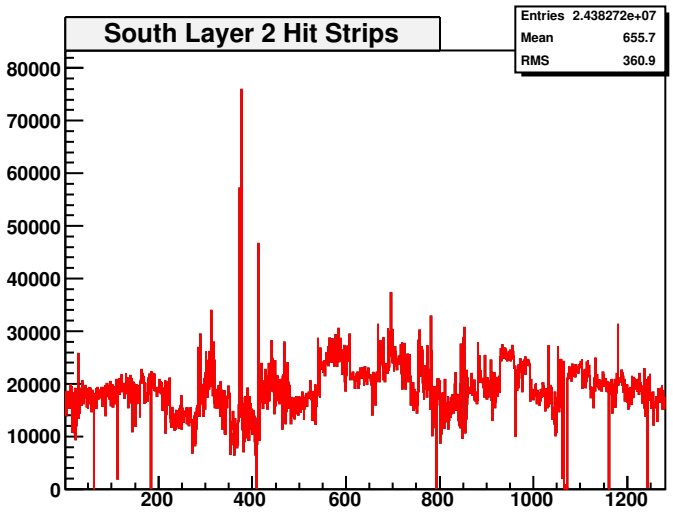
Calorimeter (All EC cells)

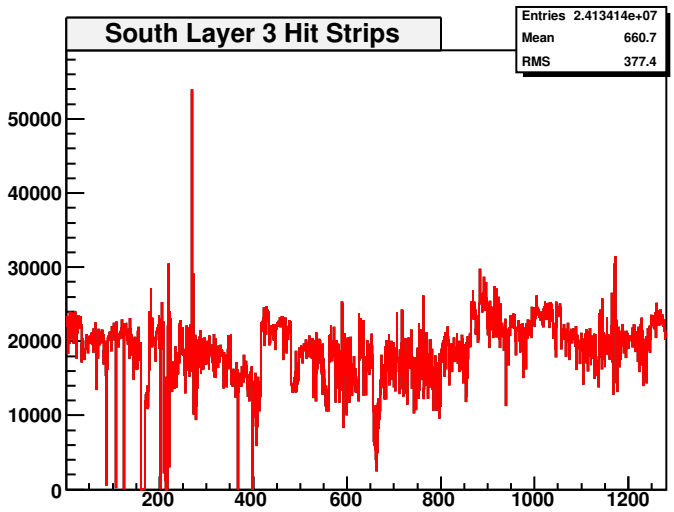


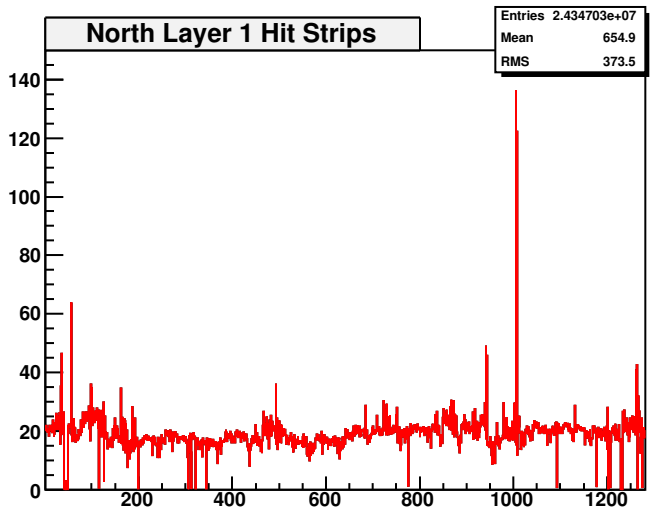
Cal Objects with MET>30 (All cells)

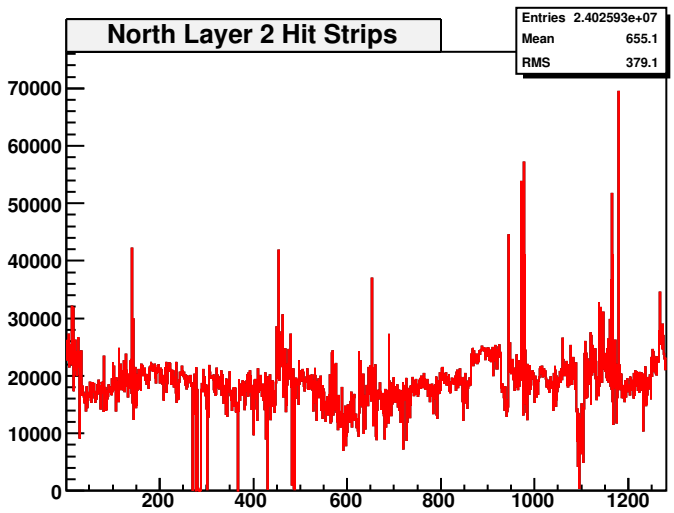

Event Quality Flag (Rate)
Entries 4117
Mean 1.513
RMS 0.1584
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

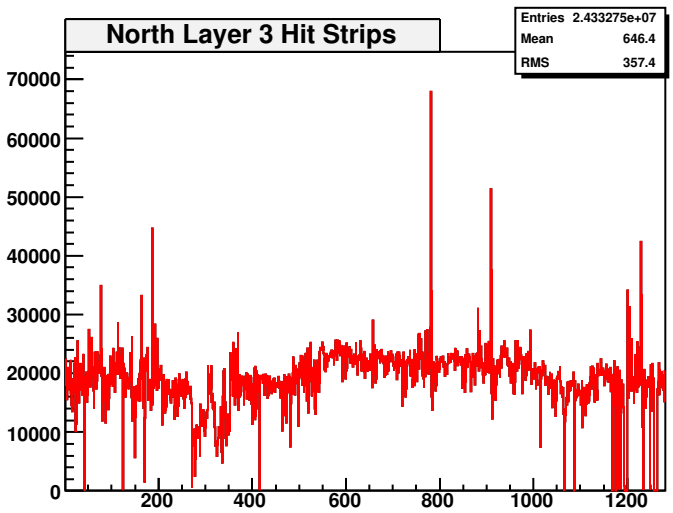




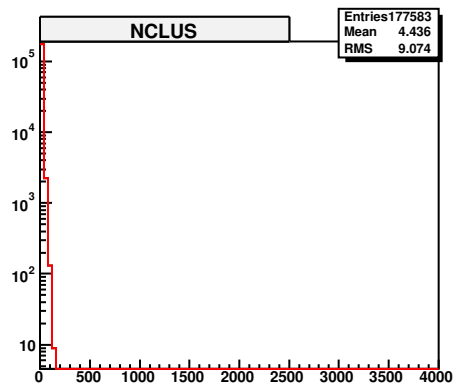


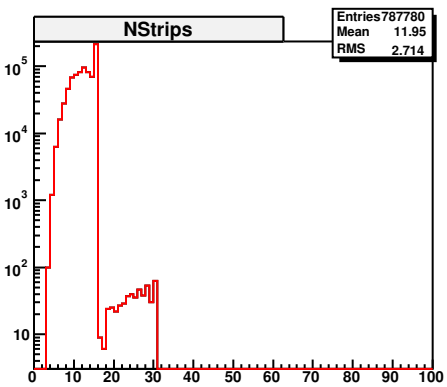


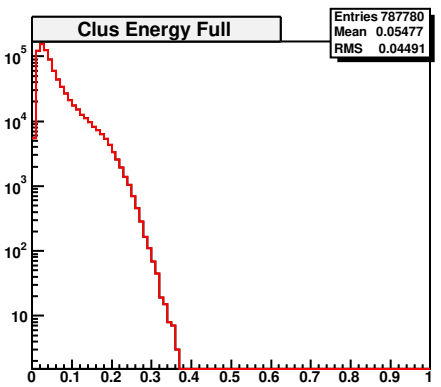


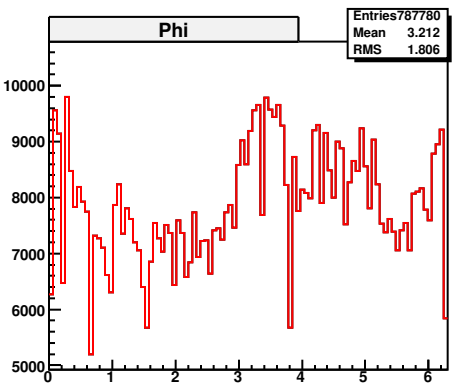


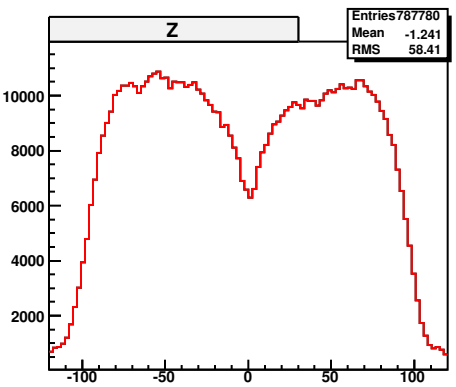
CPS Hit Strips (All Clusters)

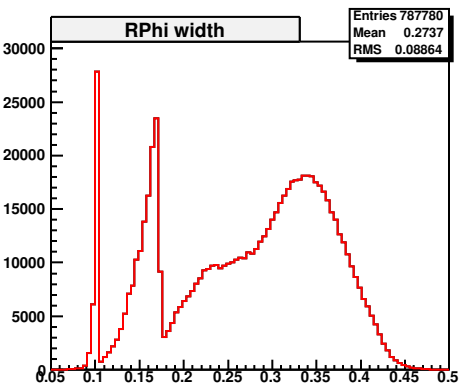


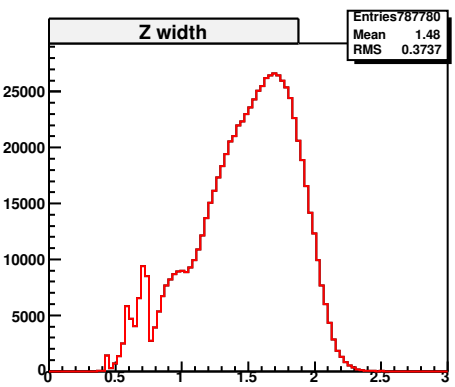


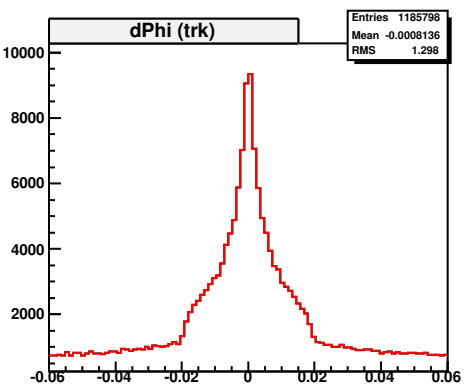


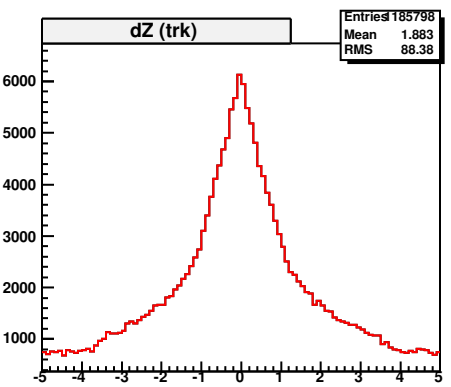


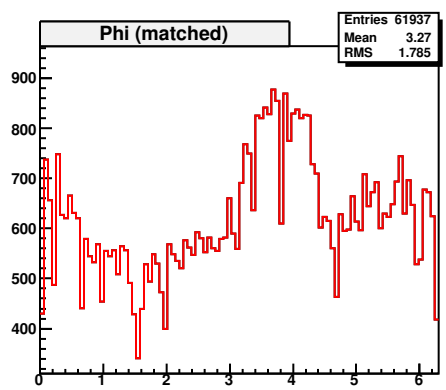


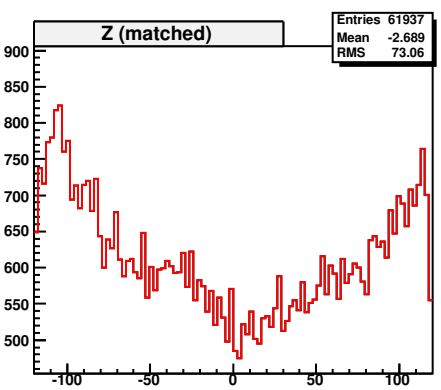




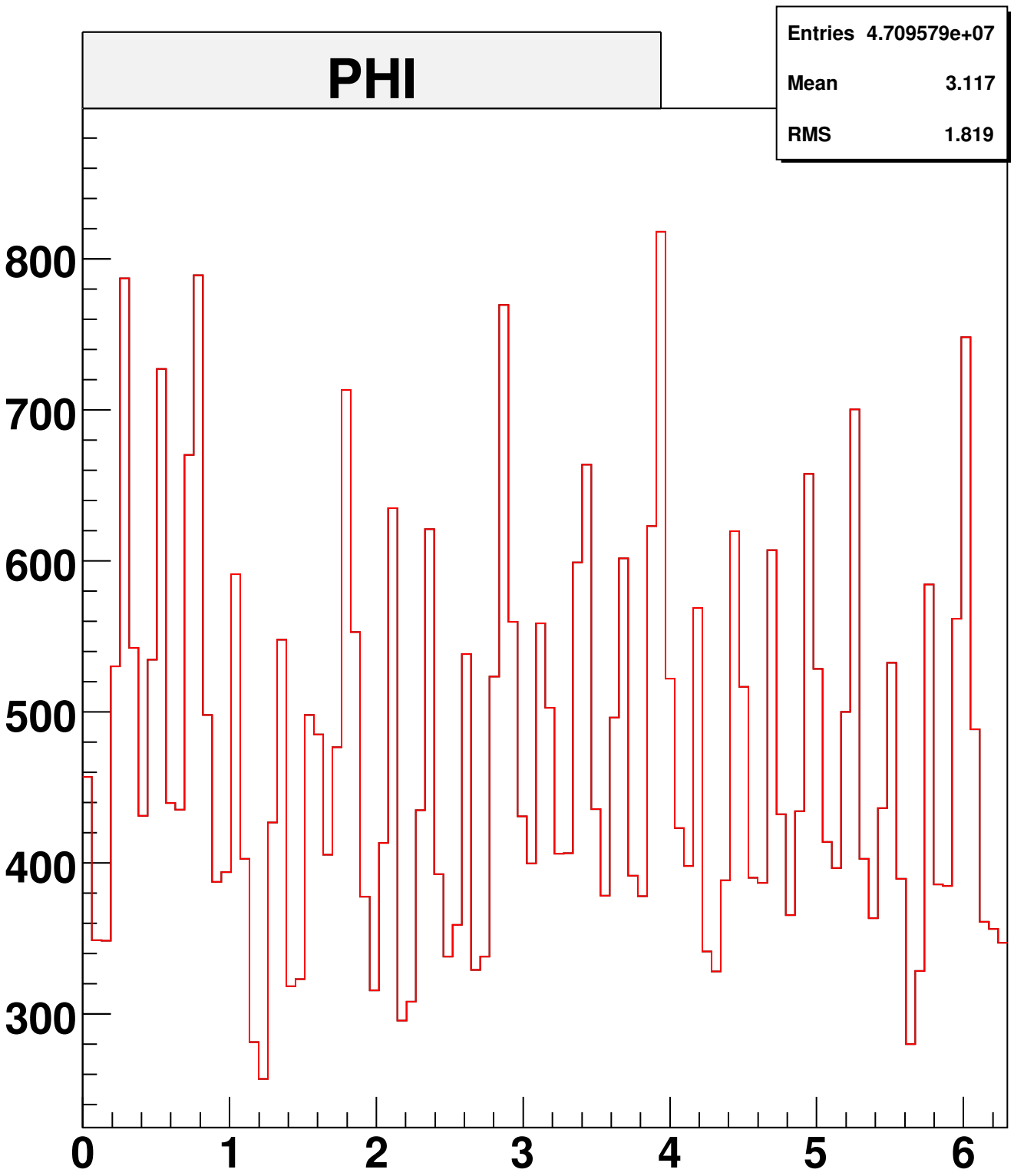


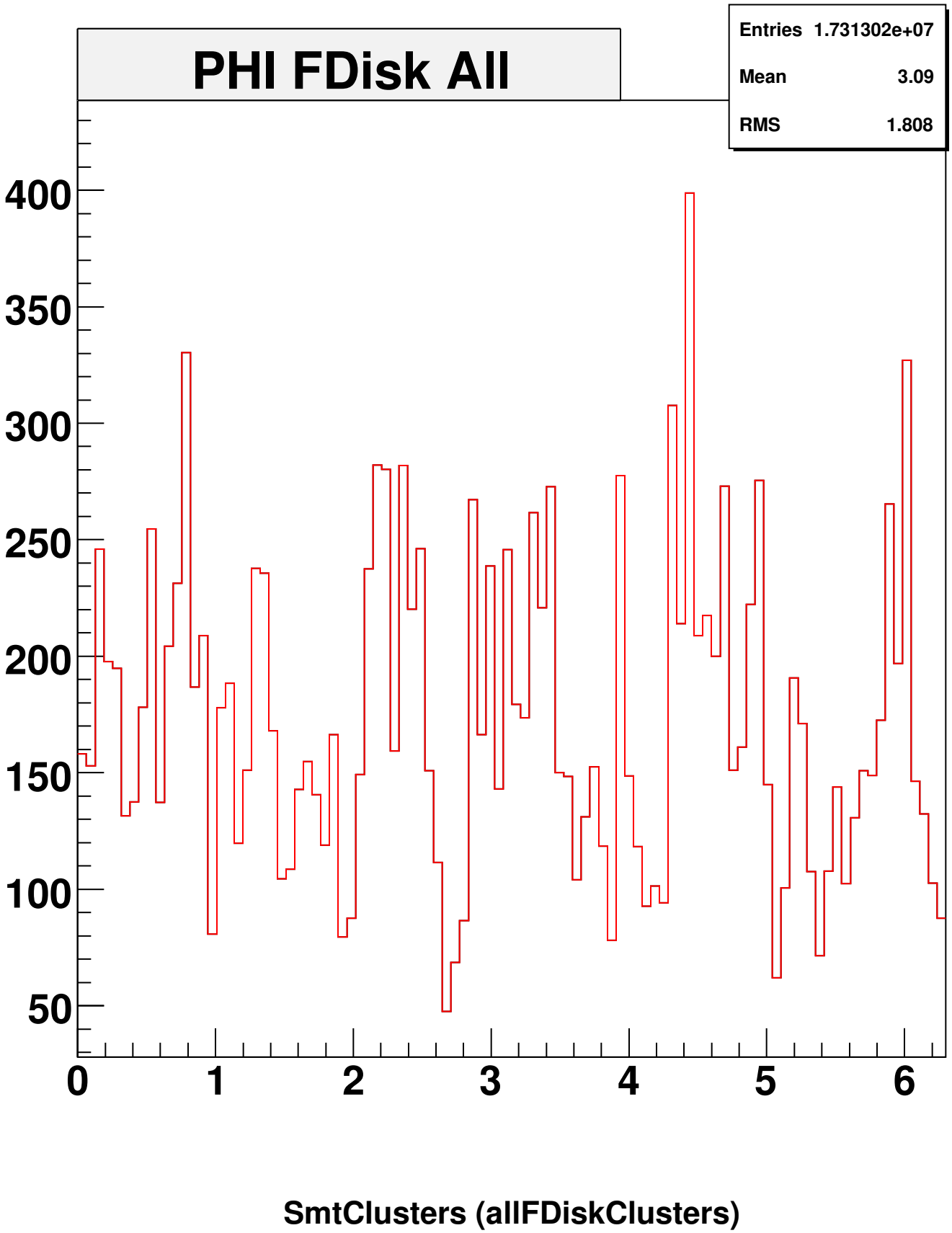


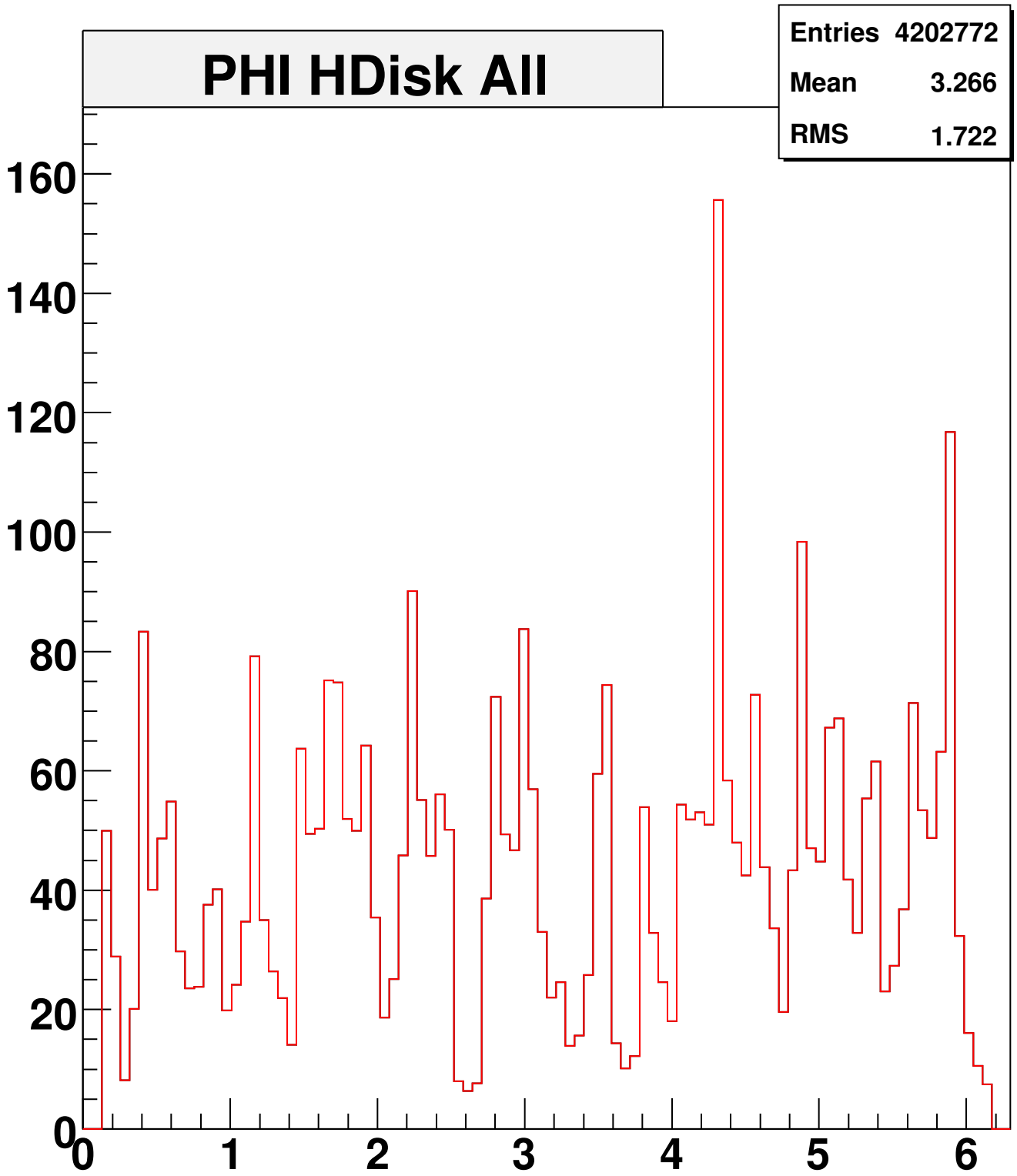


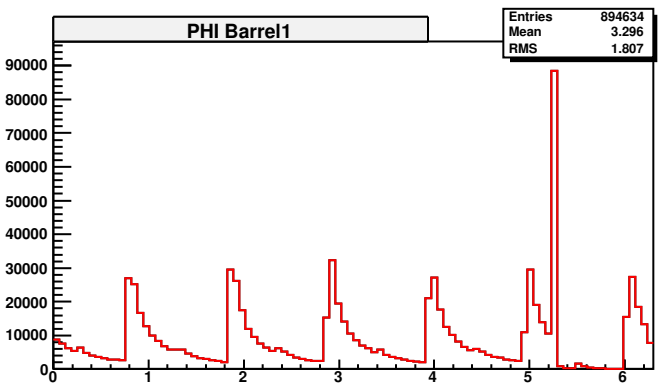


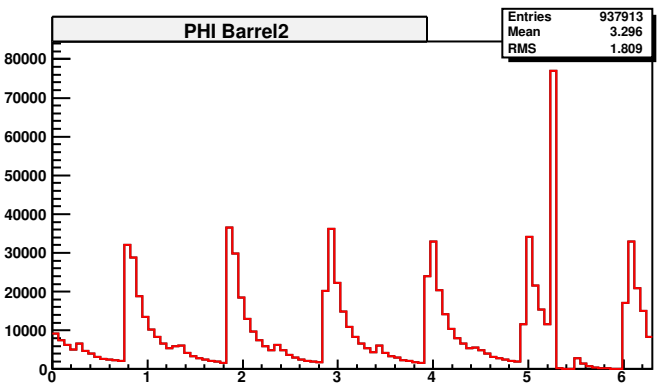
CPS Clusters (All Clusters)

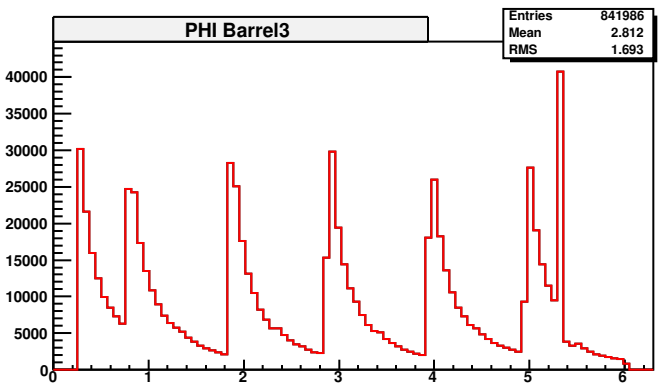

PHI
Entries 4.709579e+07
Mean 3.117
RMS 1.819
800
700
600
500
400
300
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

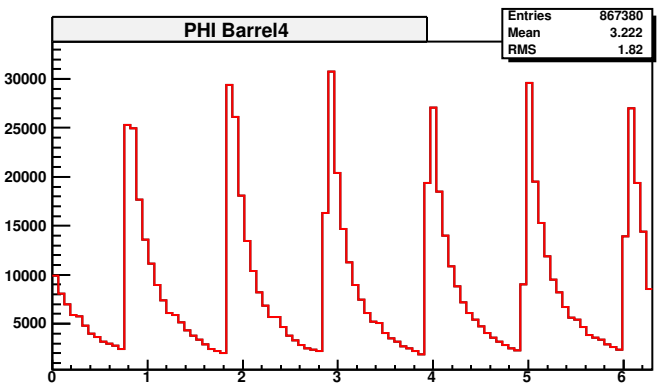

PHI FDisk All
Entries 1.731302e+07
Mean 3.09
RMS 1.808
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

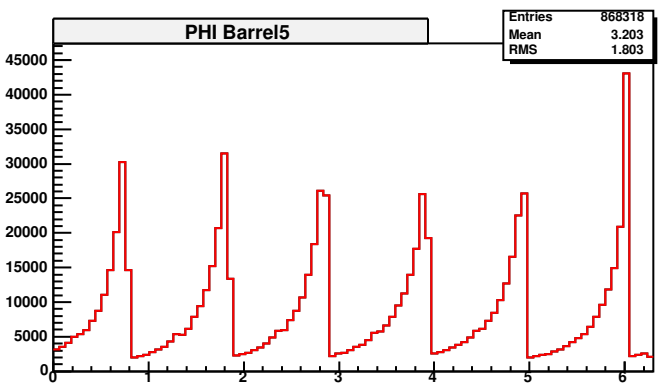

PHI HDisk All
Entries 4202772
Mean 3.266
RMS 1.722
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

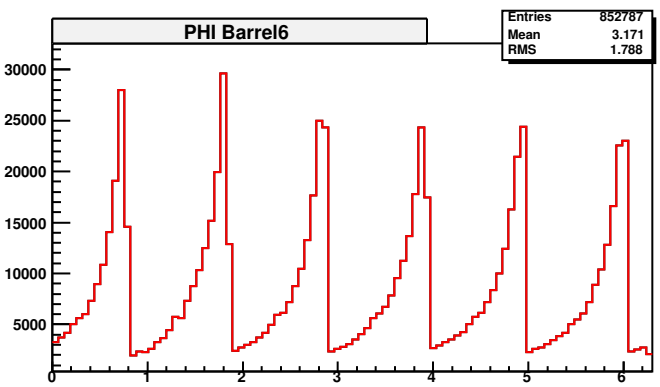


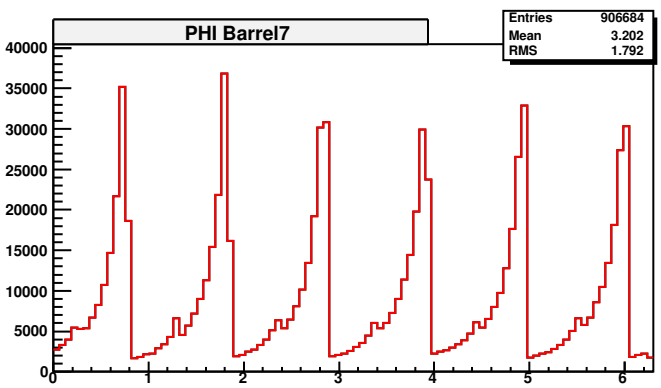


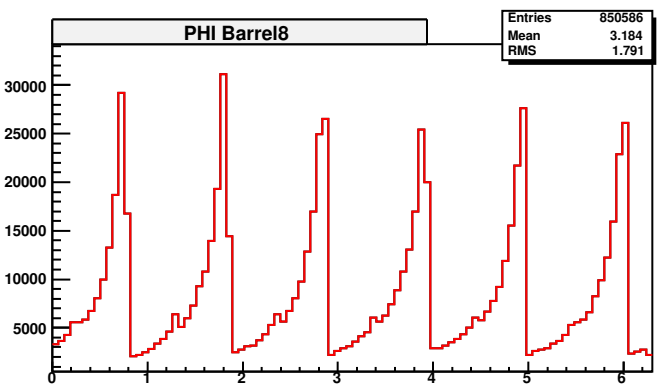




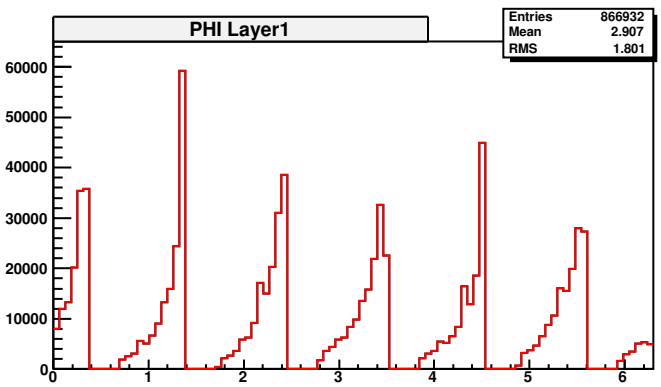


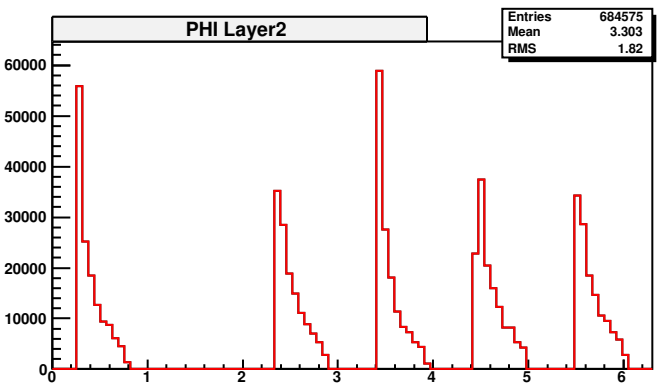


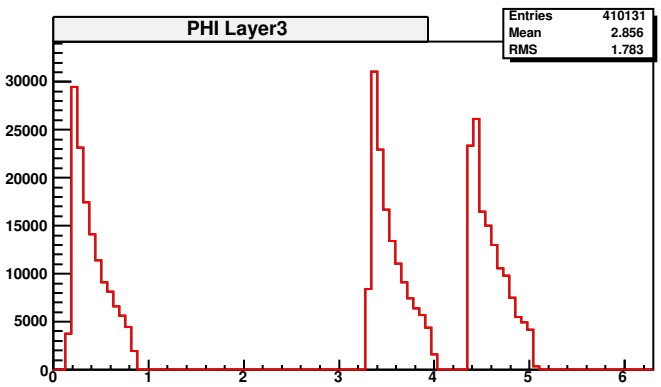


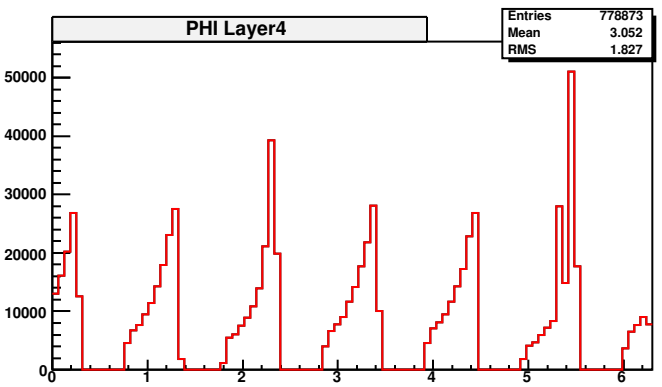


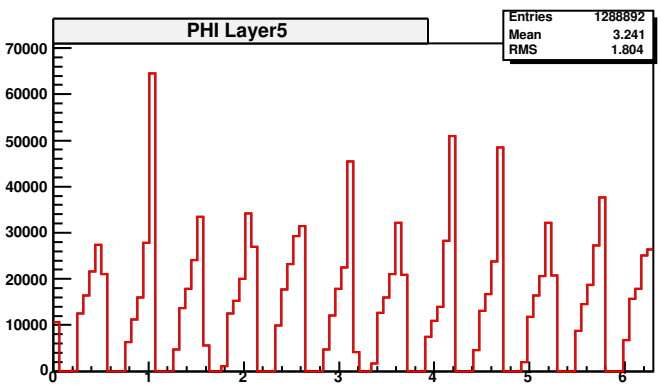
SmtClusters (ClustrLayer0)

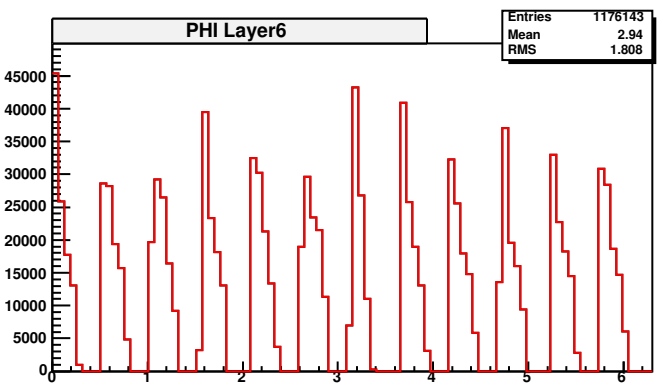


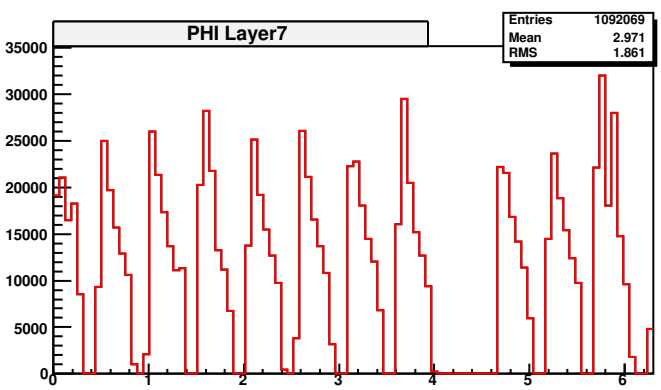


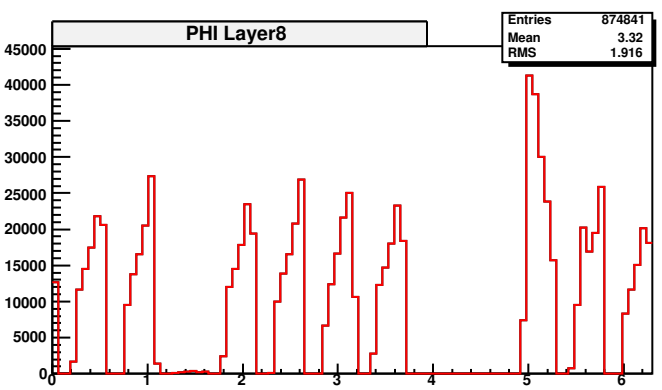




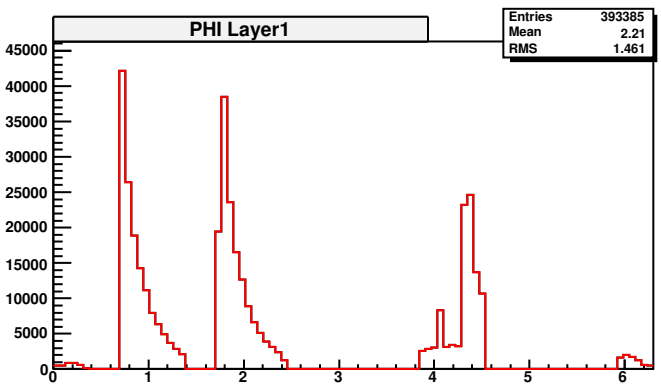


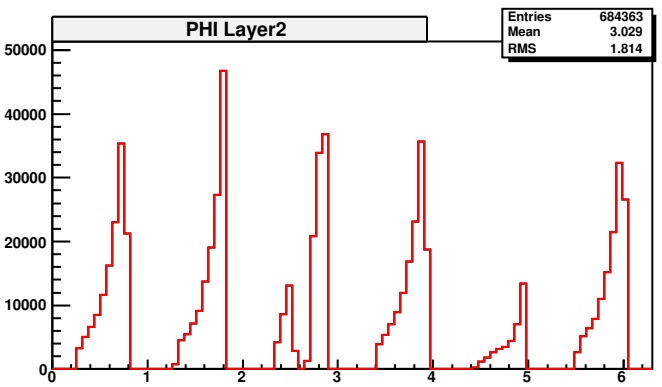


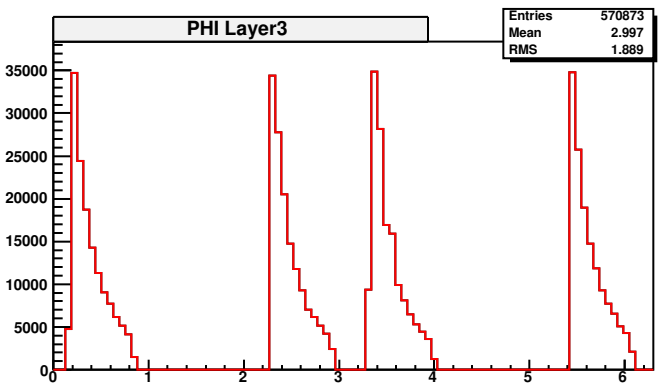


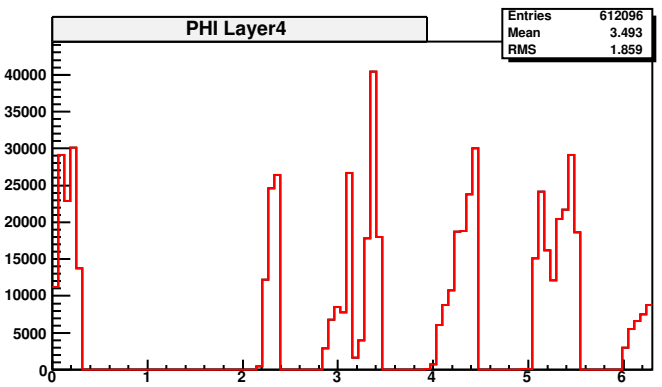


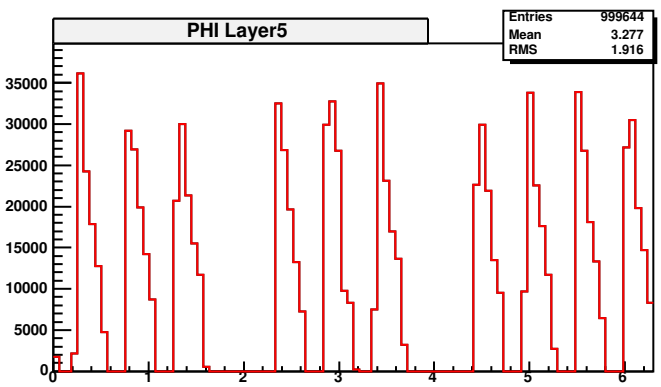
SmtClusters (ClustrBar1)

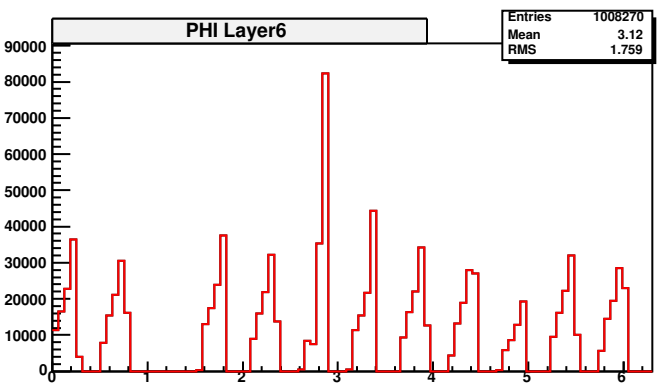


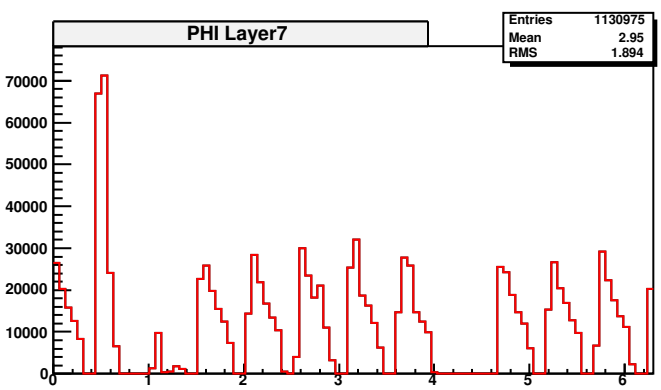


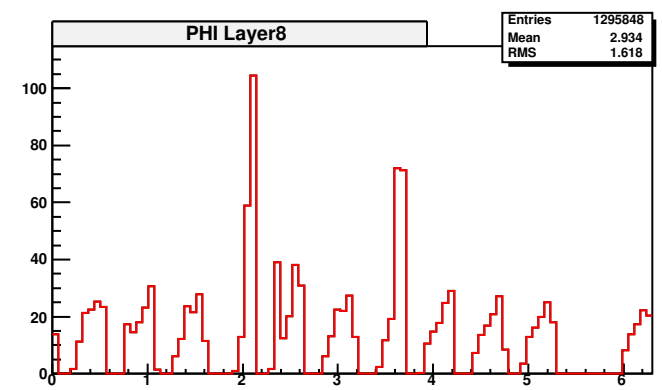




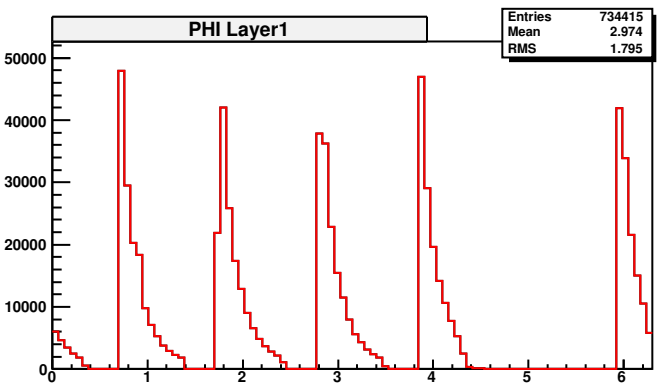


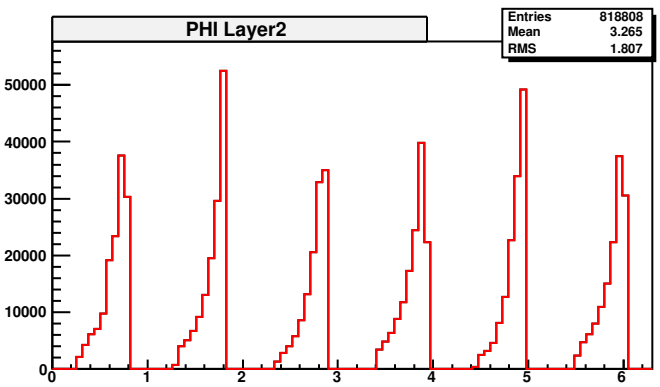


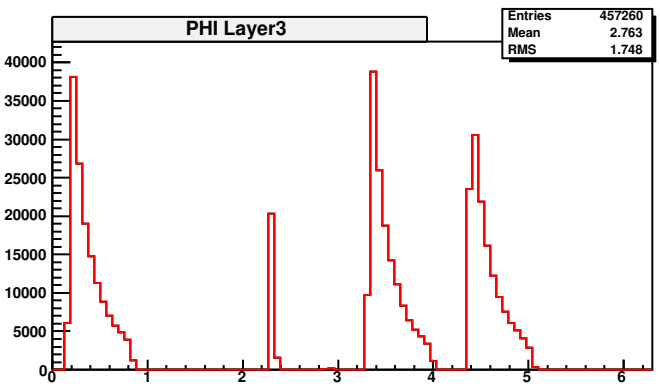


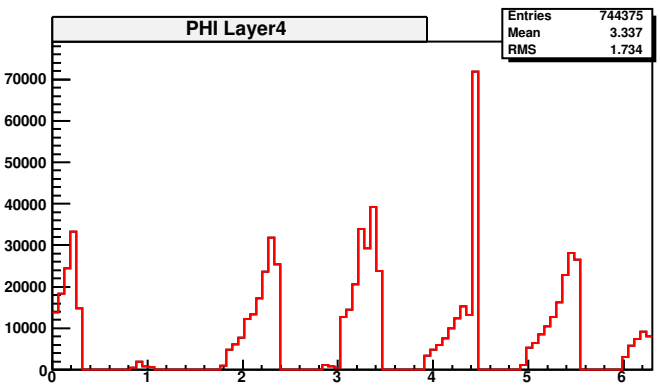


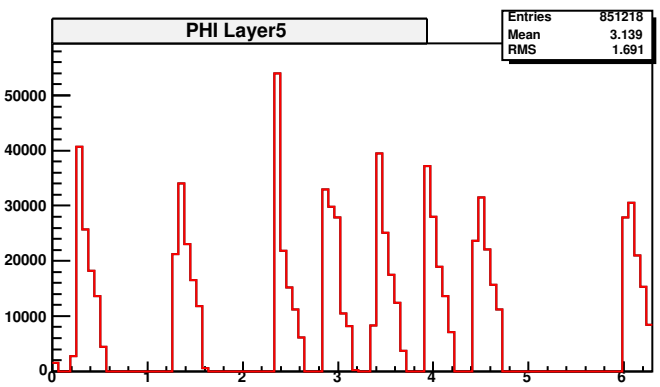
SmtClusters (ClustrBar2)

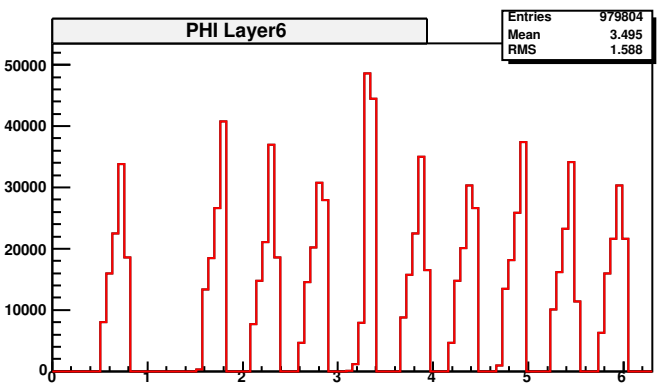


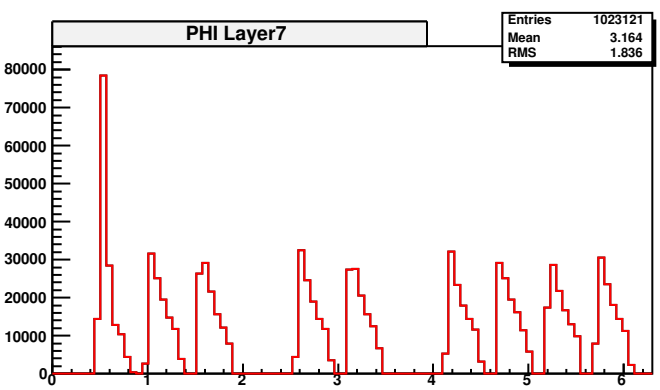


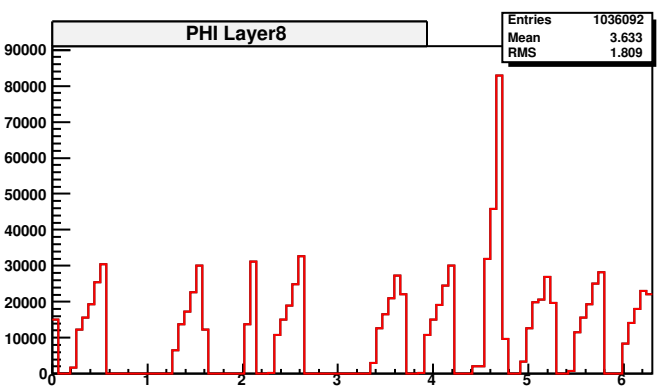




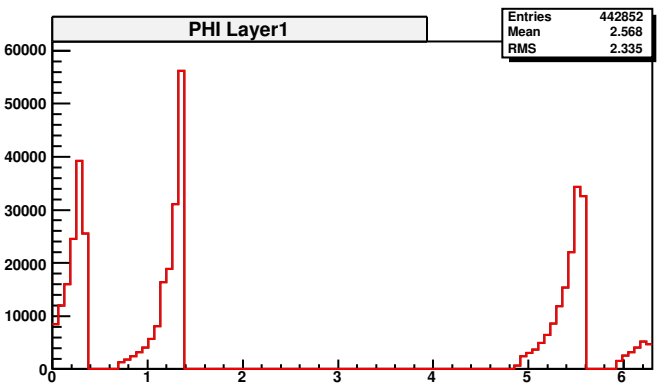


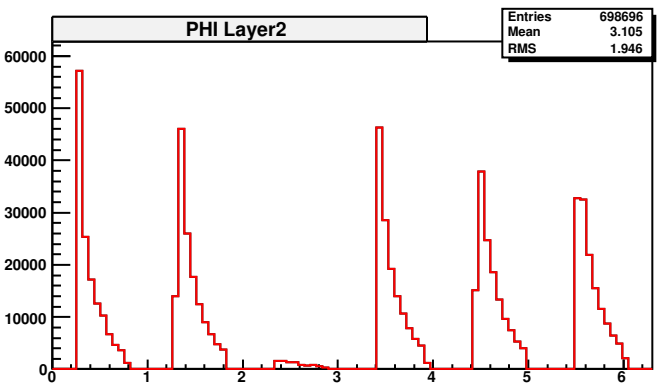


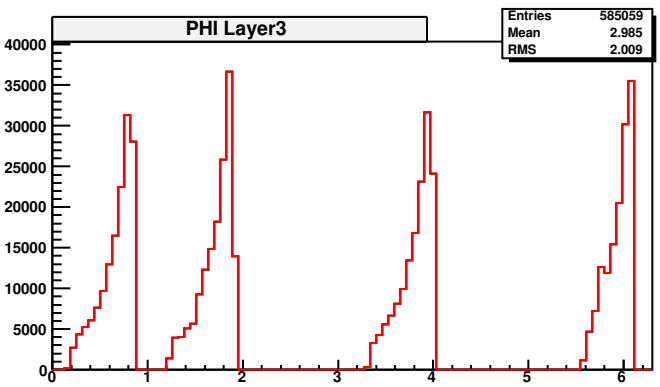


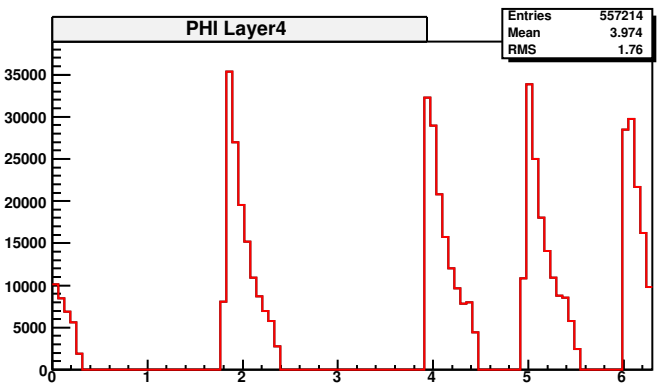


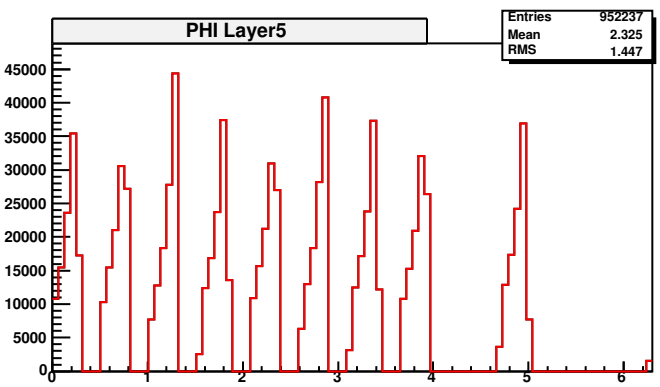
SmtClusters (ClustrBar3)

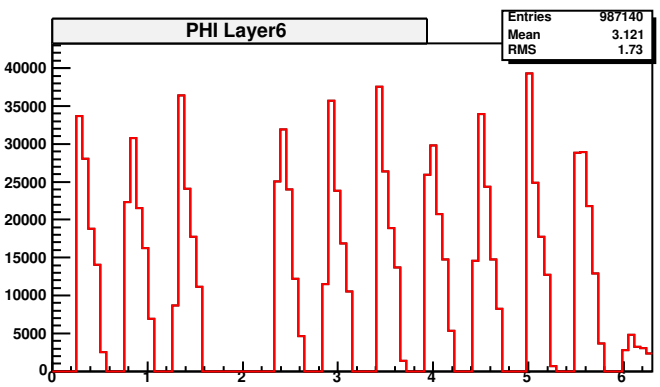


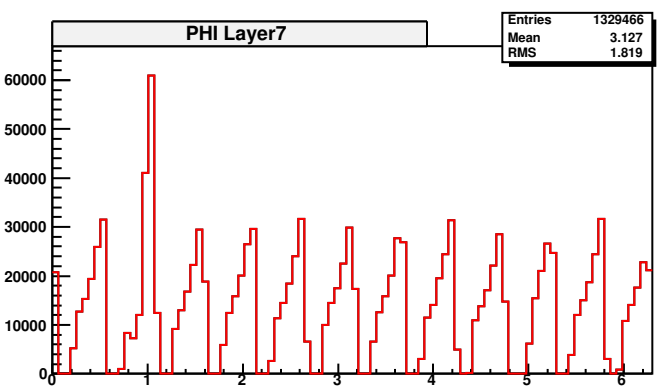


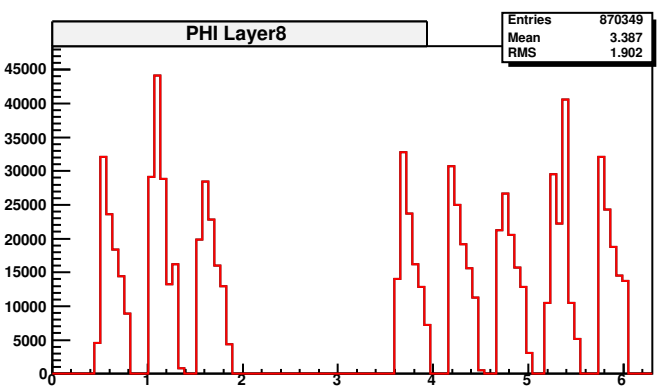




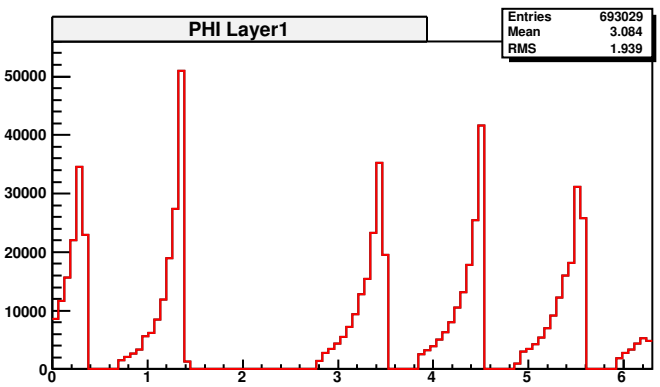


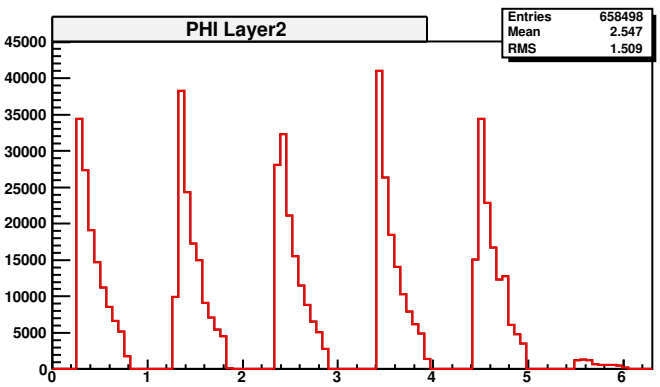


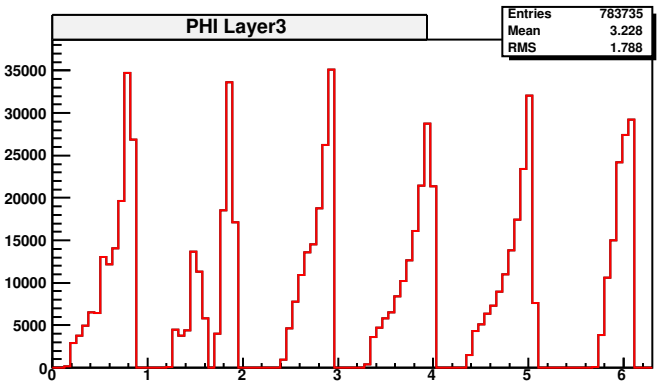


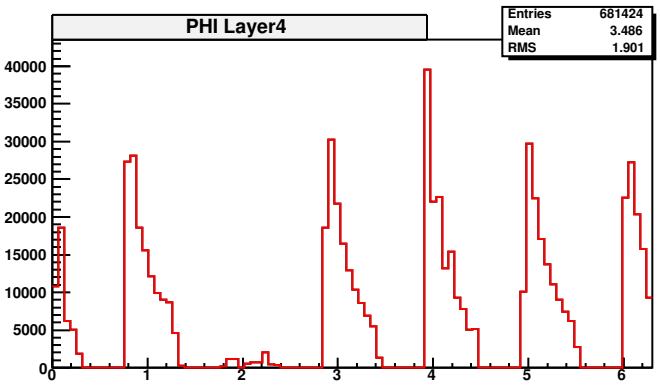


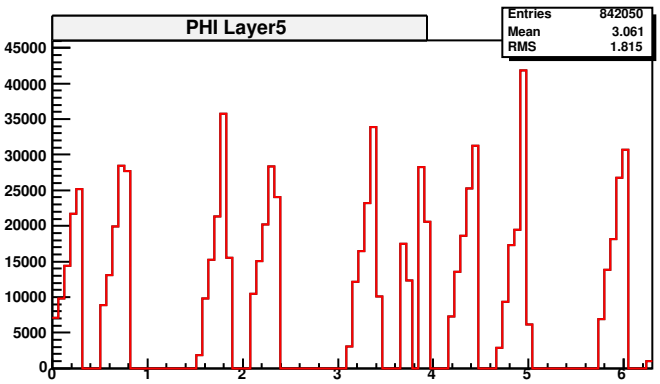
SmtClusters (ClustrBar4)

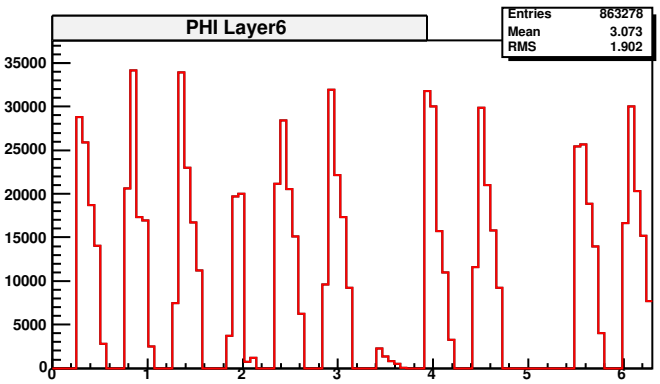


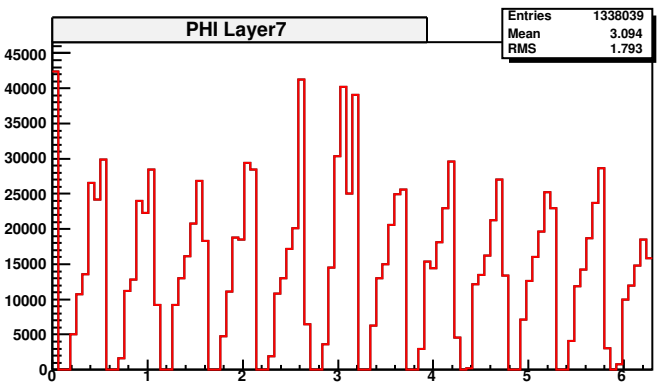


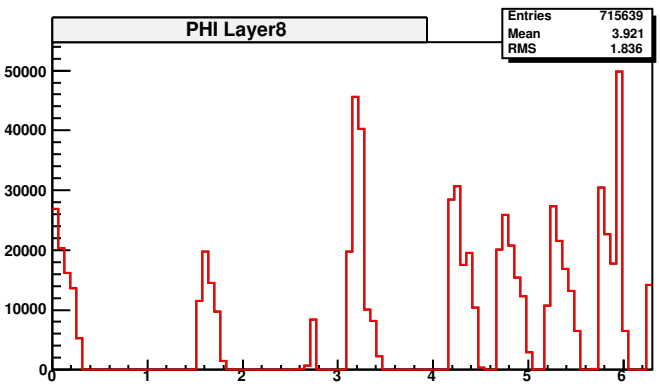




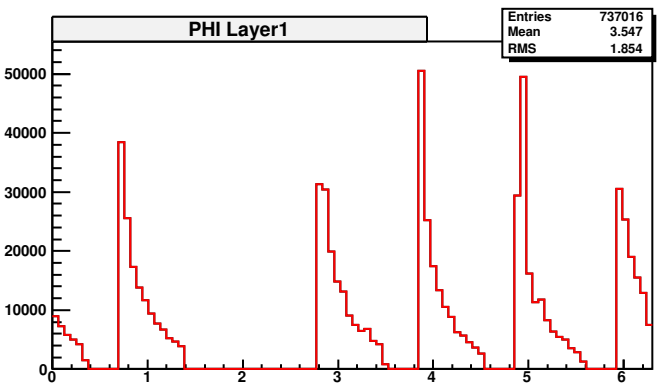


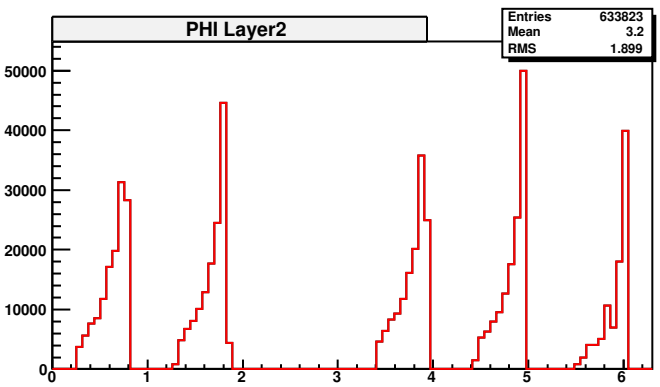


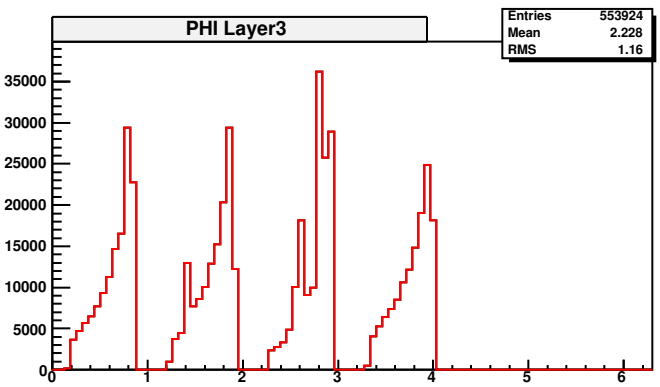


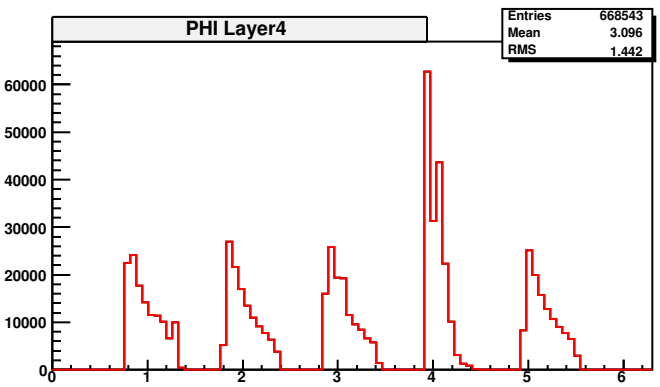


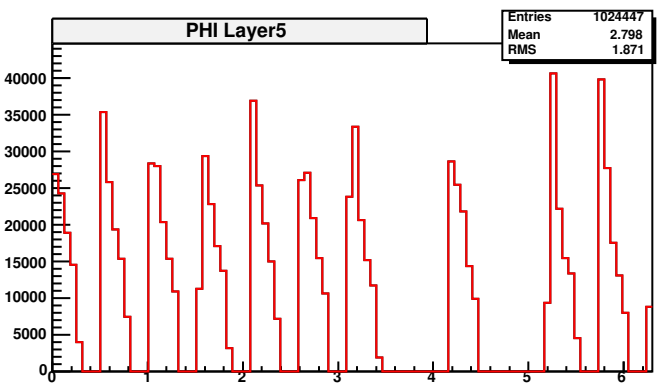
SmtClusters (ClustrBar5)

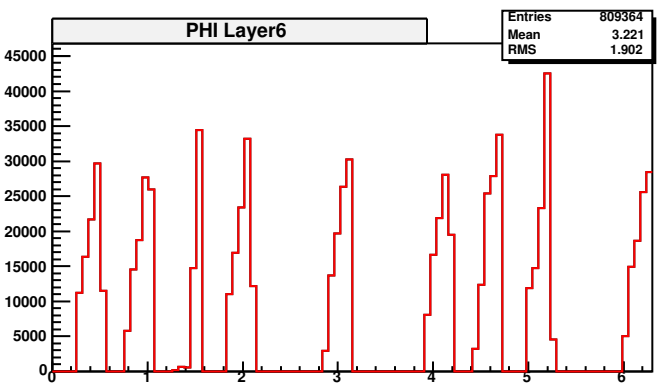


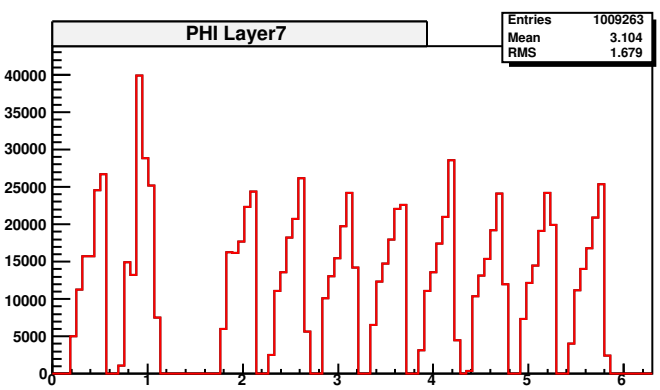


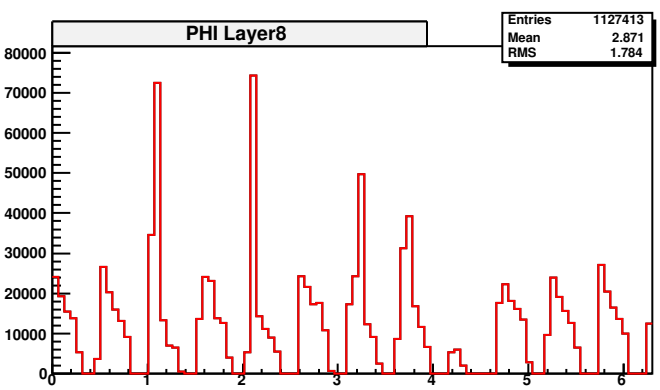




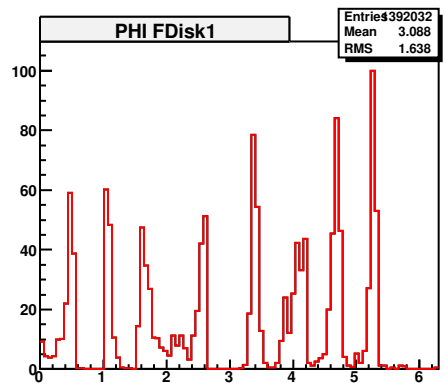


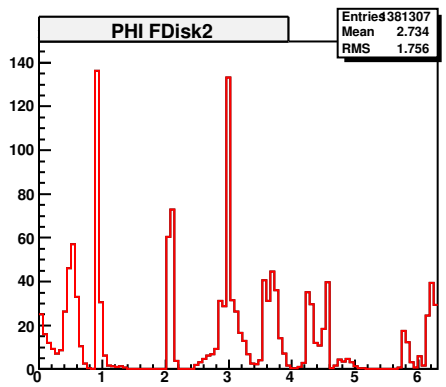


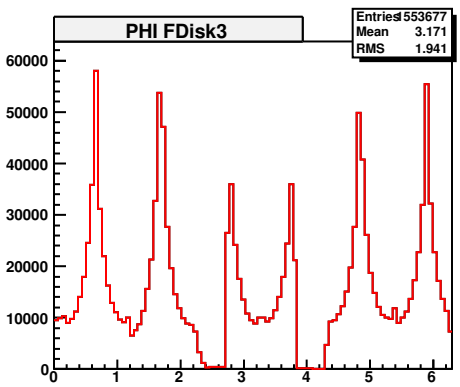


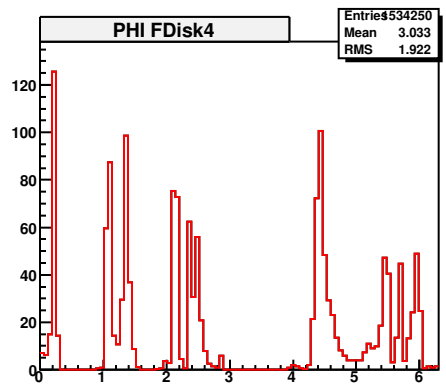


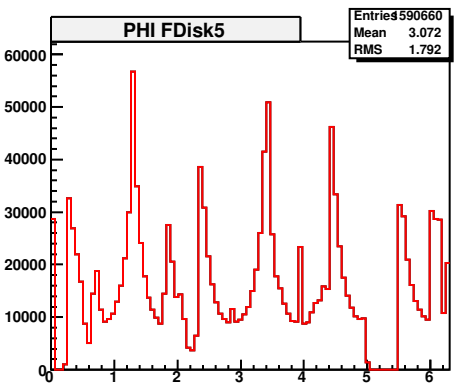
SmtClusters (ClustrBar6)

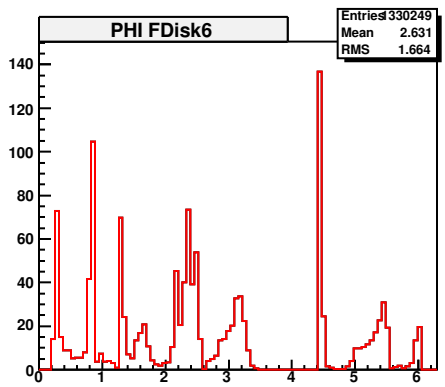


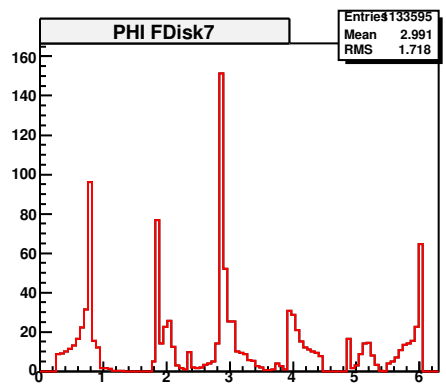


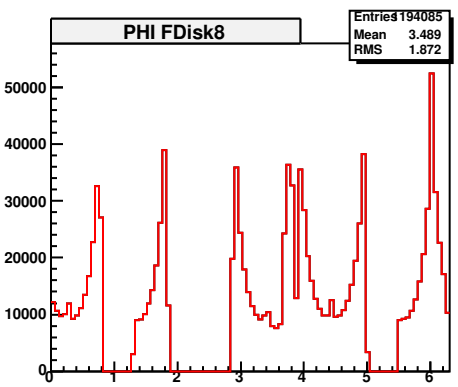


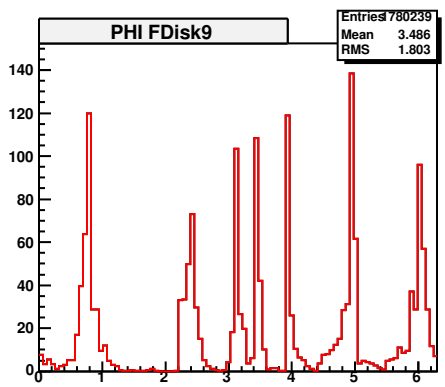


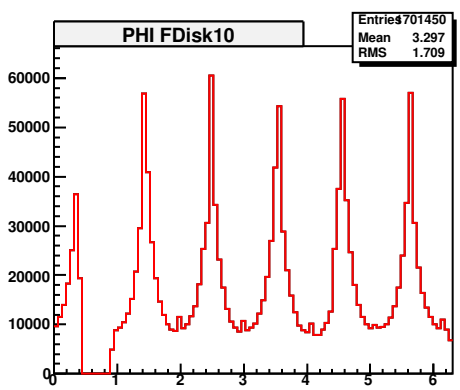


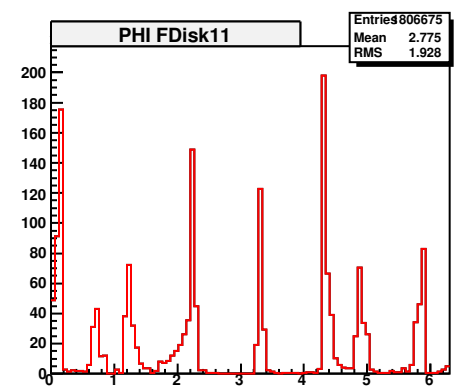


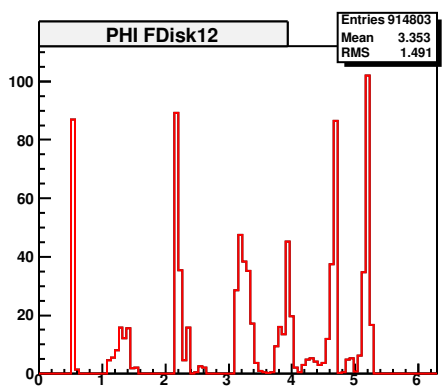




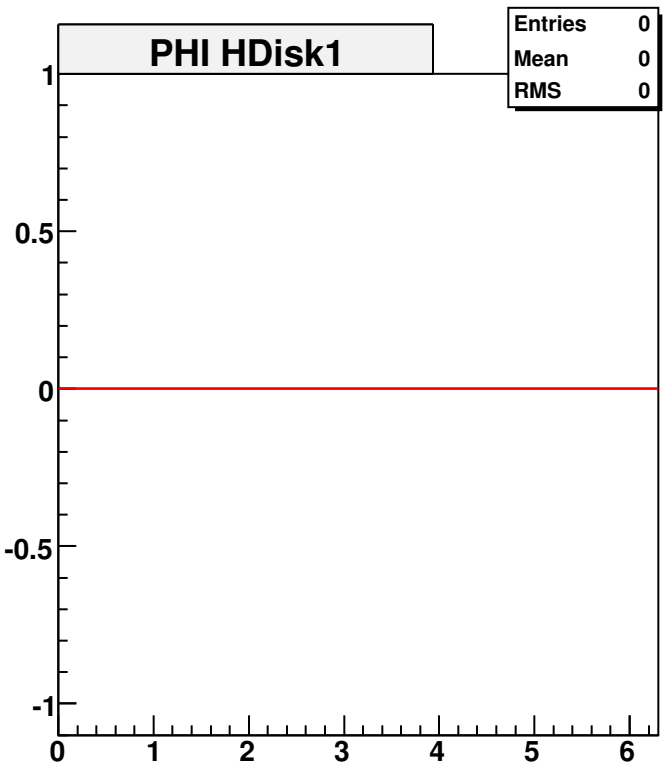


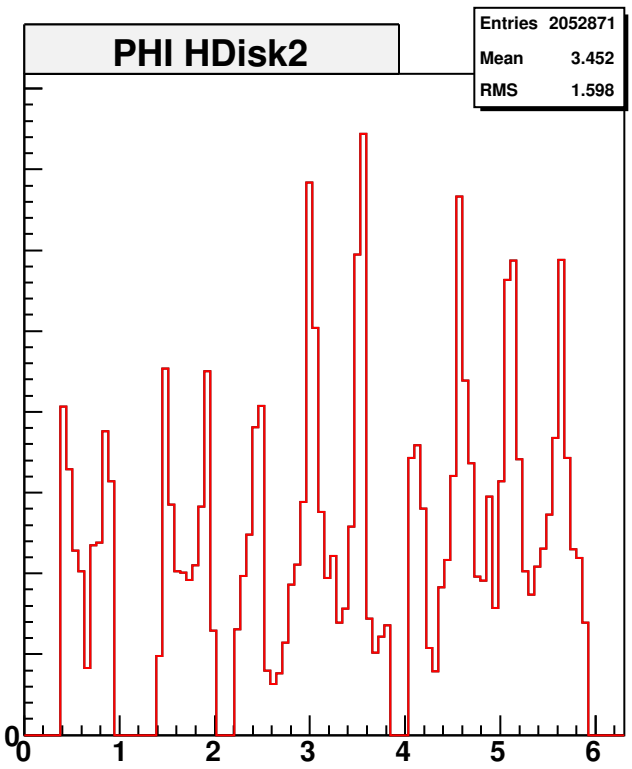


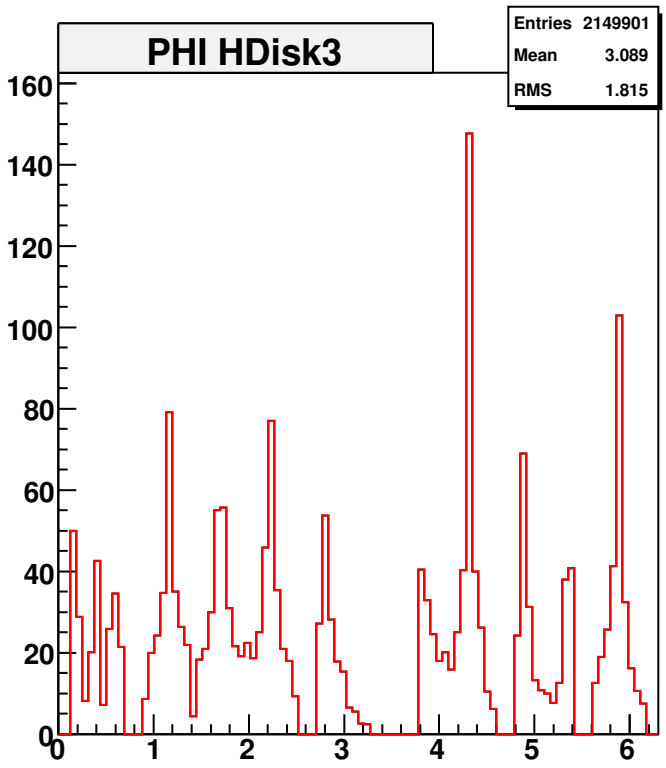


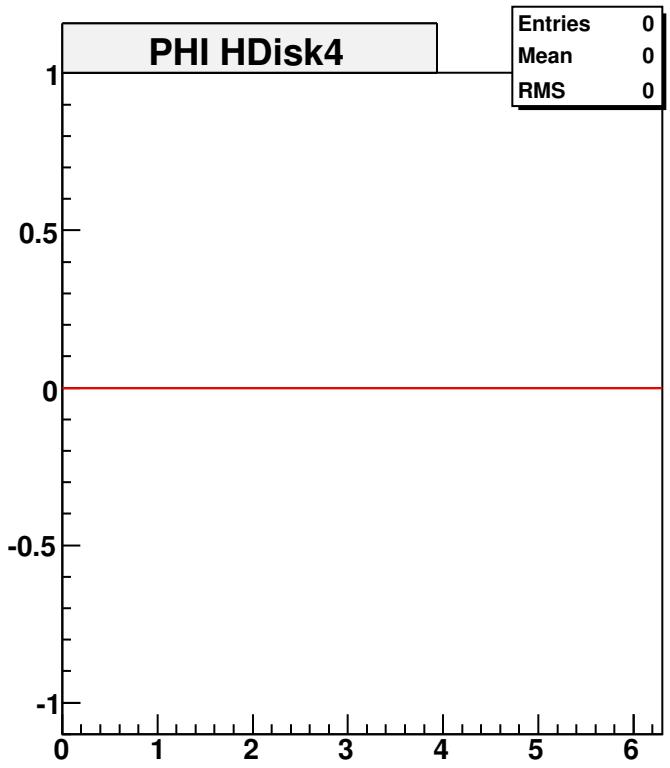


SmtClusters (FDiskClusters)

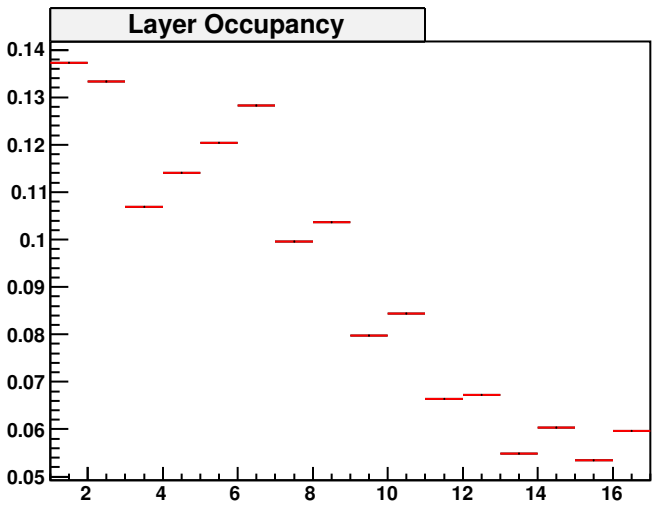


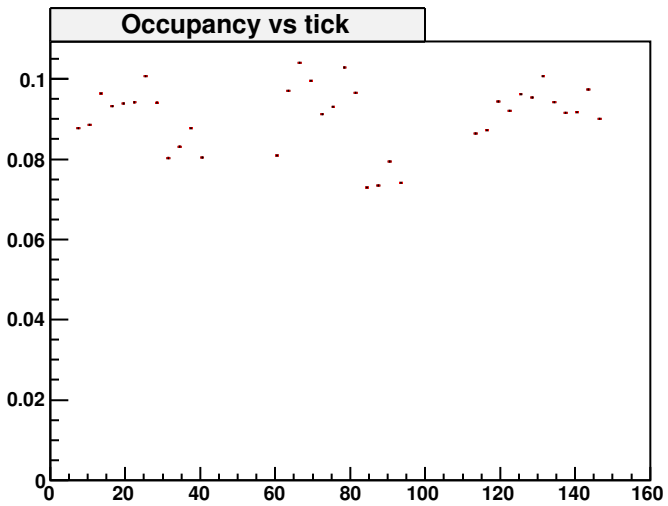


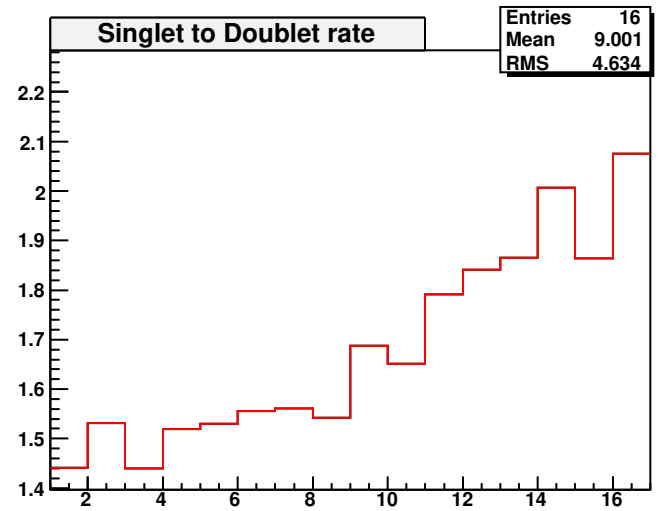


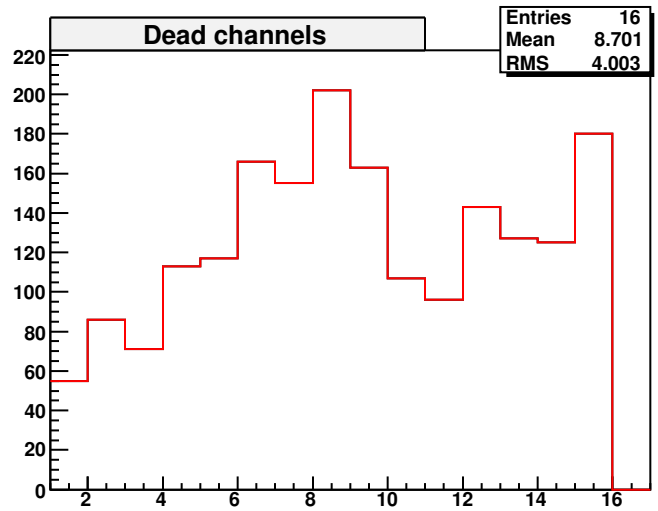


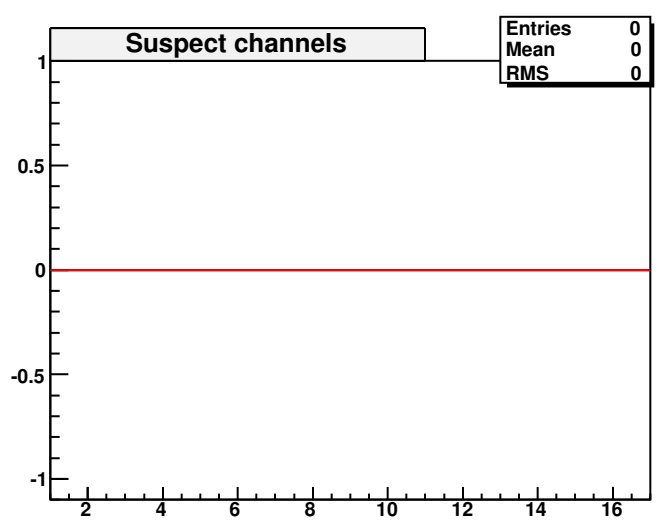
SmtClusters (HDiskClusters)

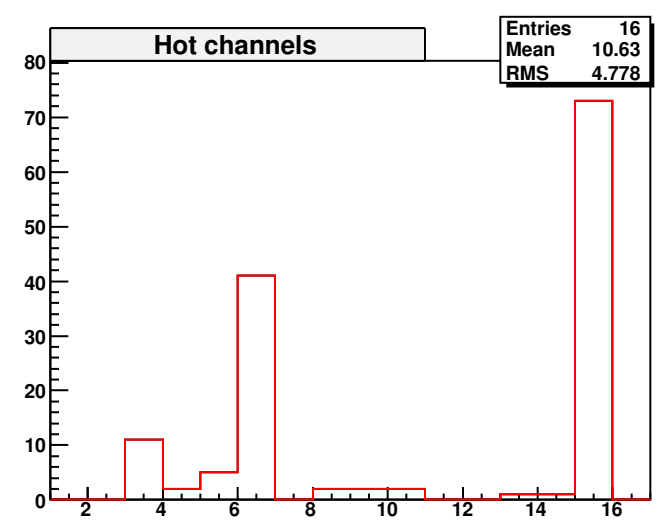




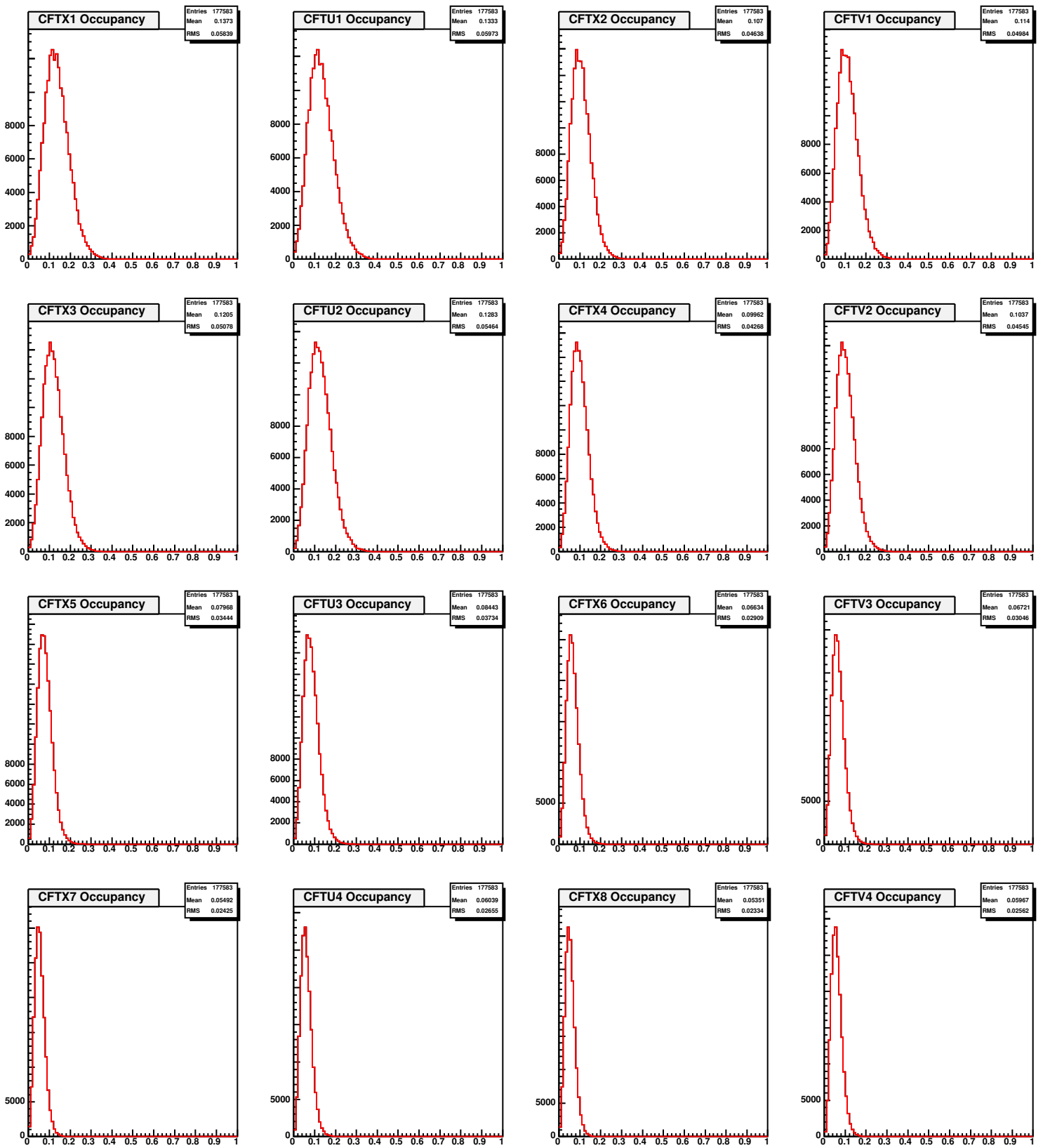




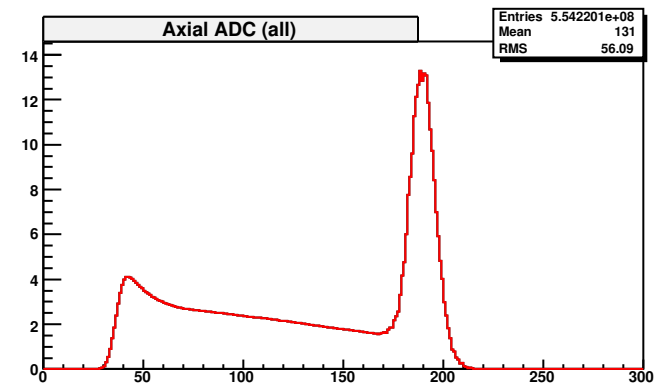


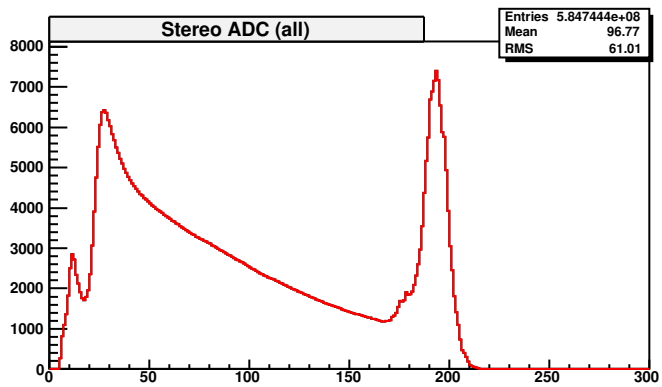


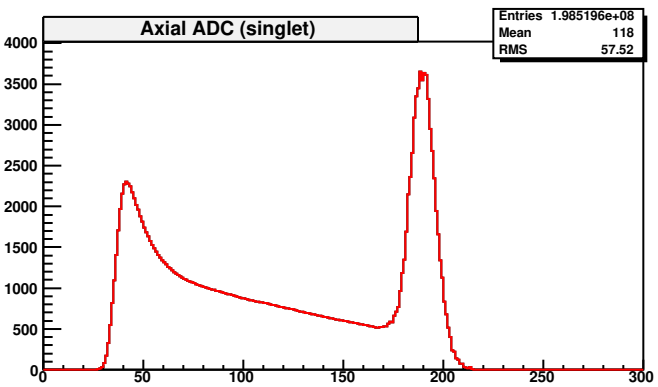
CFT Summary (All Clusters)

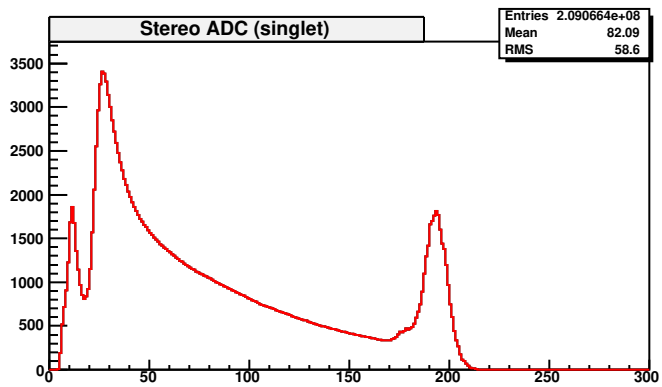


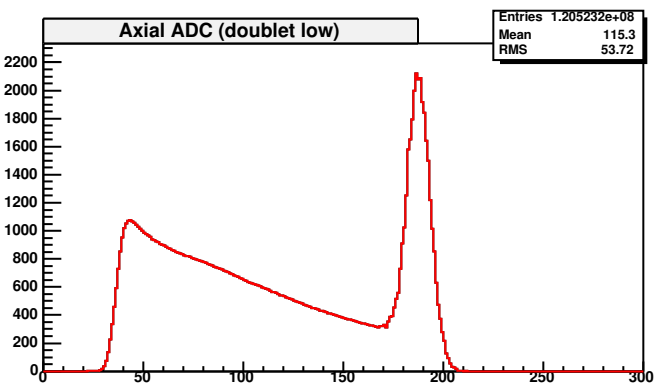
CFT Occupancy (All Clusters)

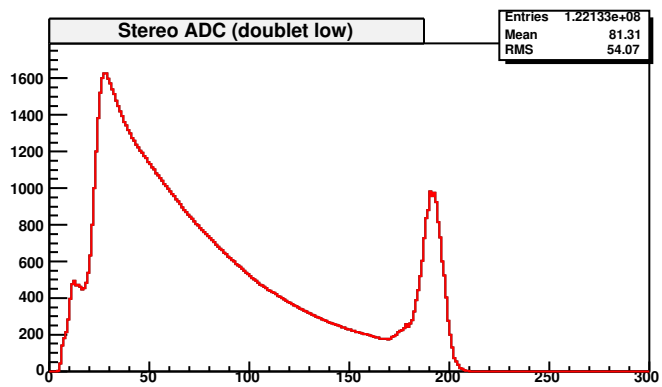


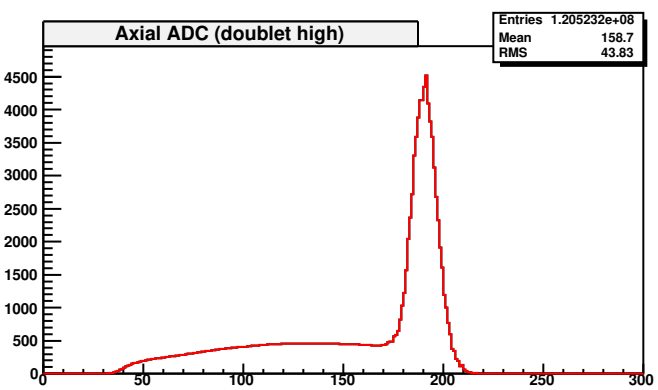


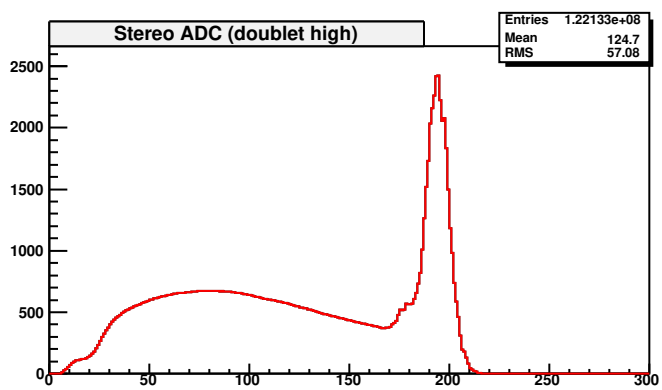




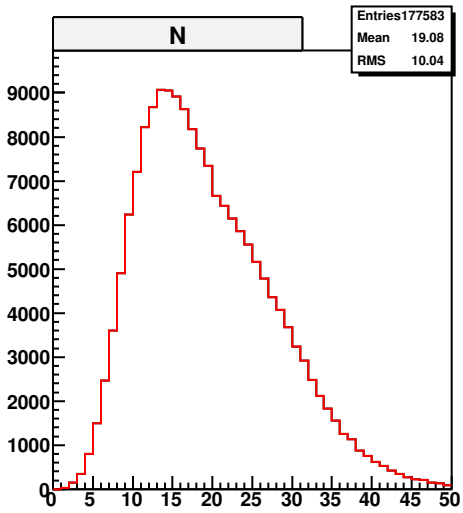








CFT ADC Summary (All Clusters)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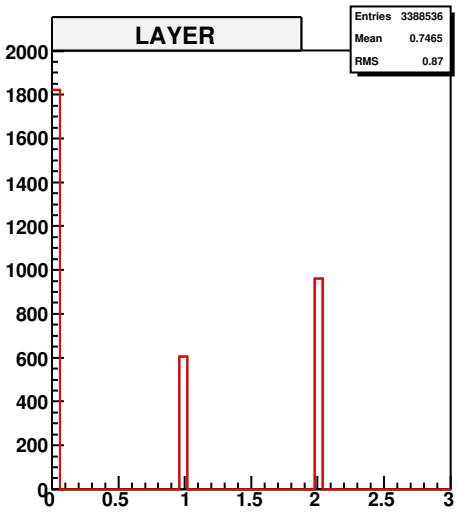
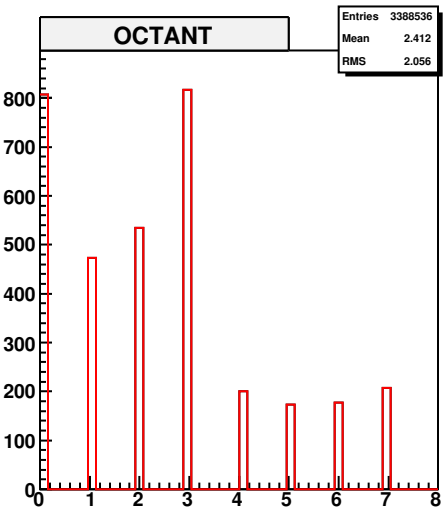
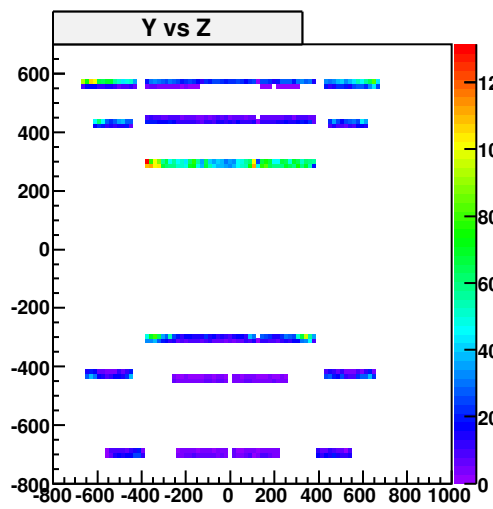
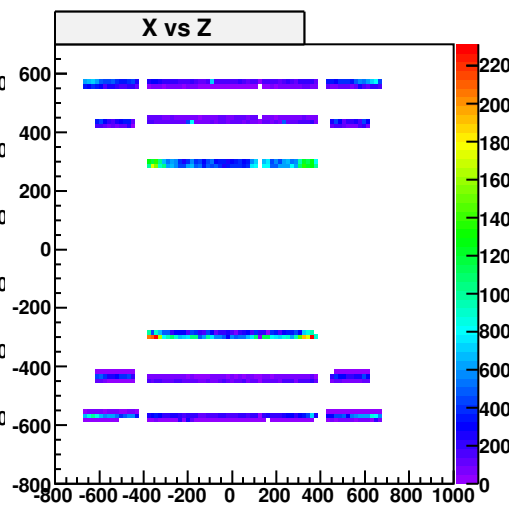
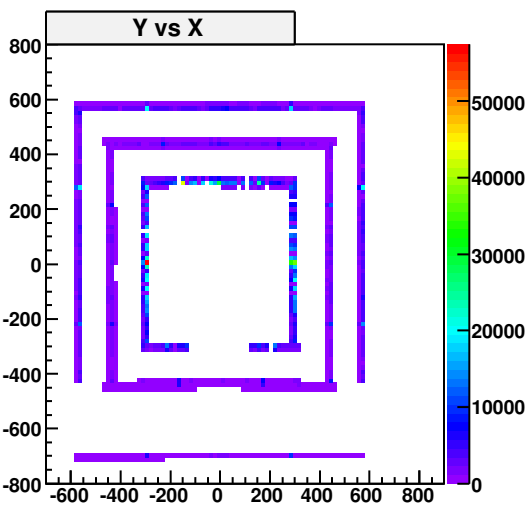
Entries 177583
Mean 19.08
RMS 10.04


LAYER
Entries 3388536
Mean 0.7465
RMS 0.87


OCTANT
Entries 3388536
Mean 2.412
RMS 2.056


Y vs Z


X vs Z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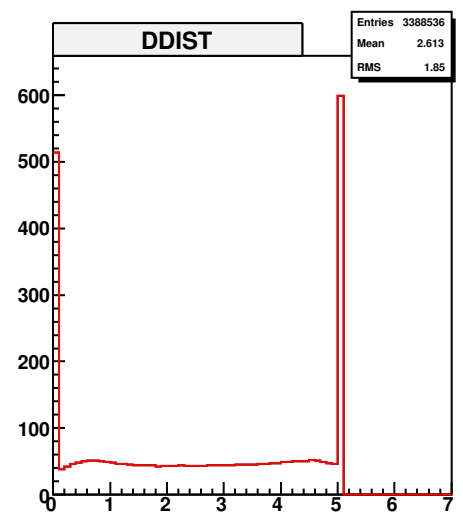
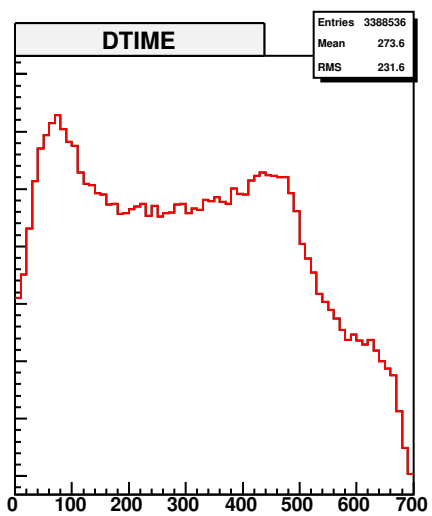
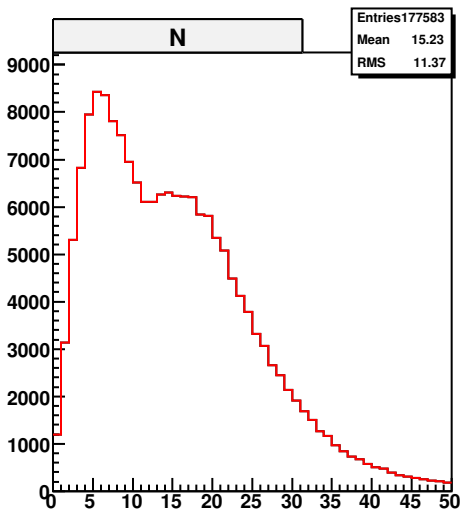
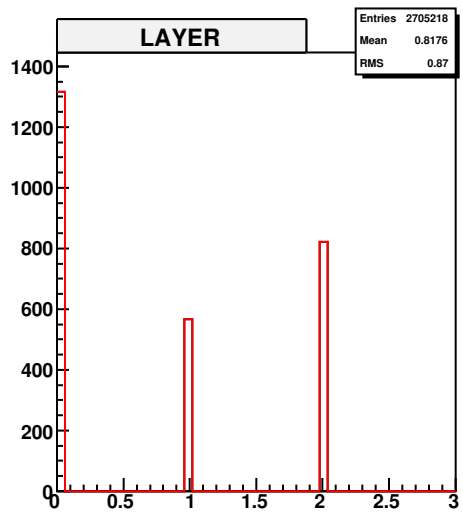
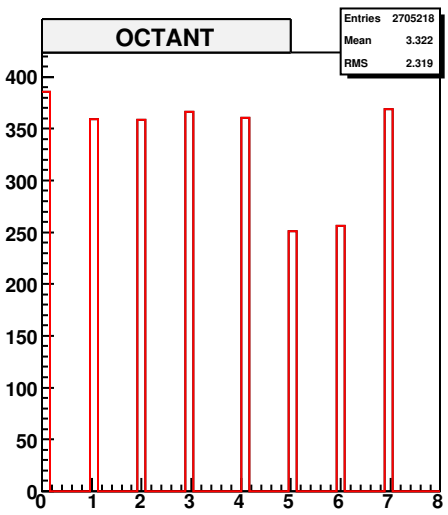

DDIST
Entries 3388536
Mean 2.613
RMS 1.85

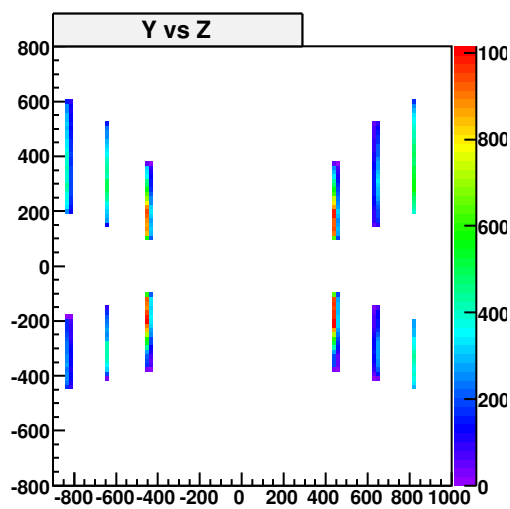

DTIME
Entries 3388536
Mean 273.6
RMS 231.6

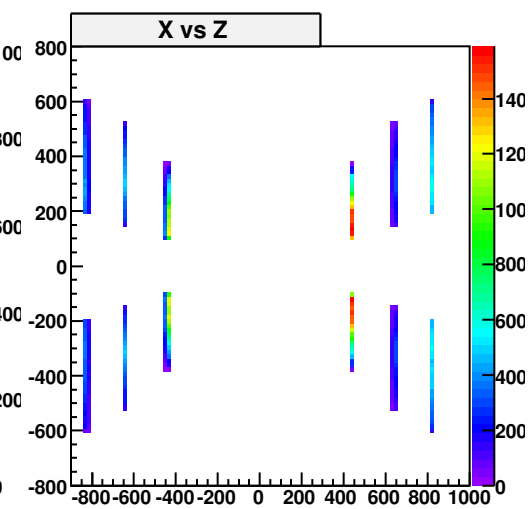
MuonPDT (All)

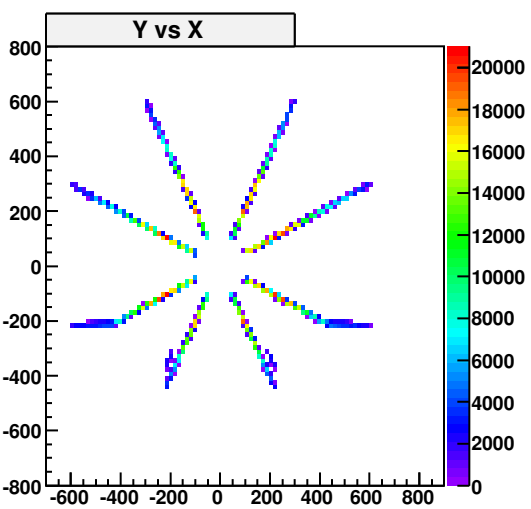

N
Entries 177583
Mean 15.23
RMS 11.37

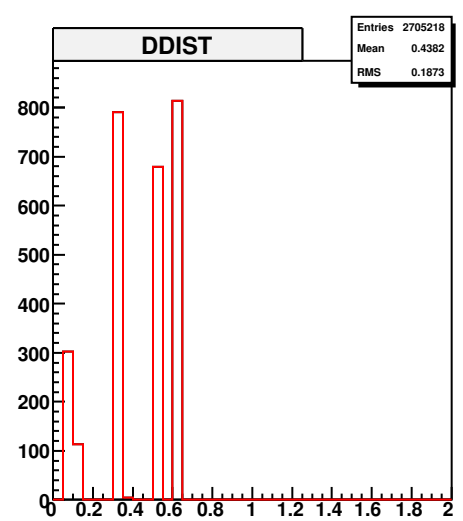

LAYER
Entries 2705218
Mean 0.8176
RMS 0.87

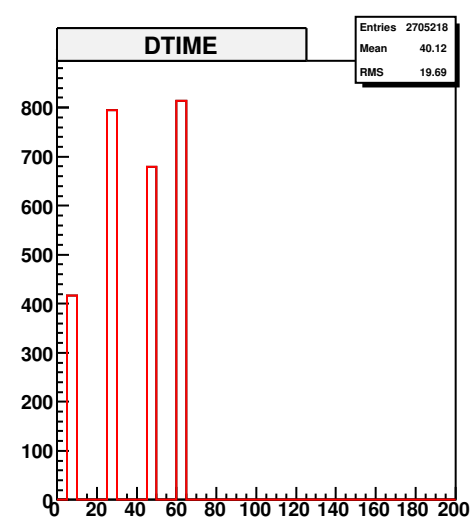

OCTANT
Entries 2705218
Mean 3.322
RMS 2.319


Y vs Z

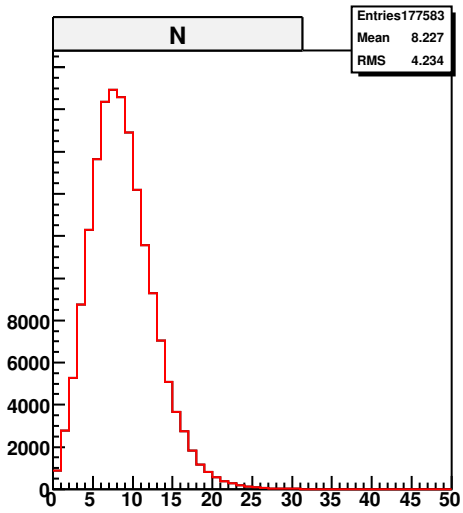

X vs Z

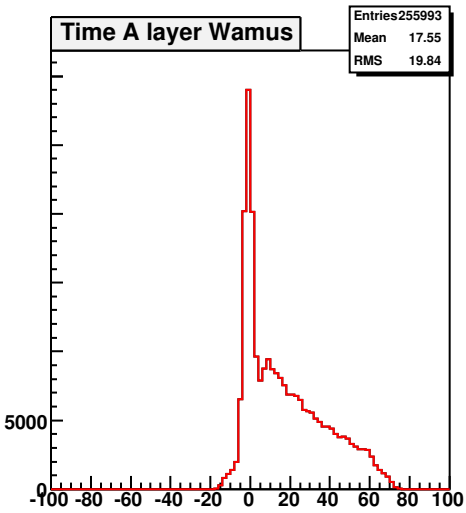

Y vs X

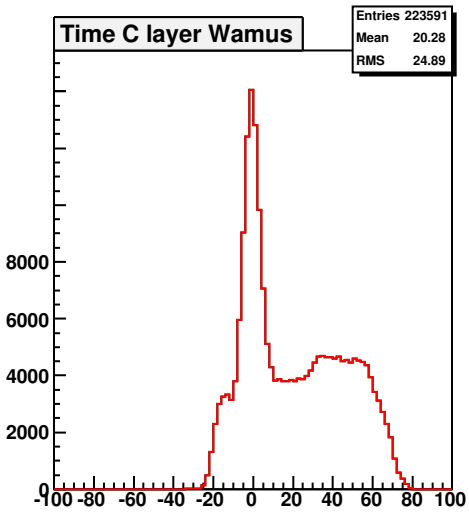

DDIST
Entries 2705218
Mean 0.4382
RMS 0.1873

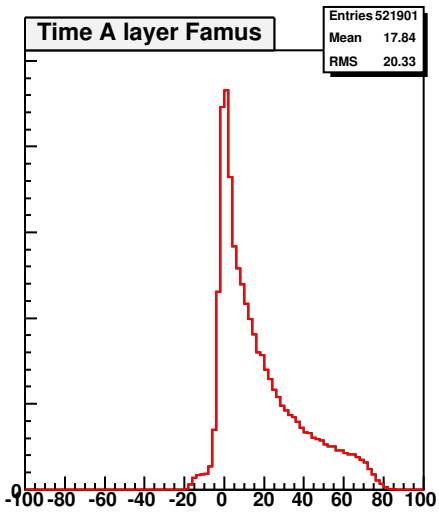

DTIME
Entries 2705218
Mean 40.12
RMS 19.69

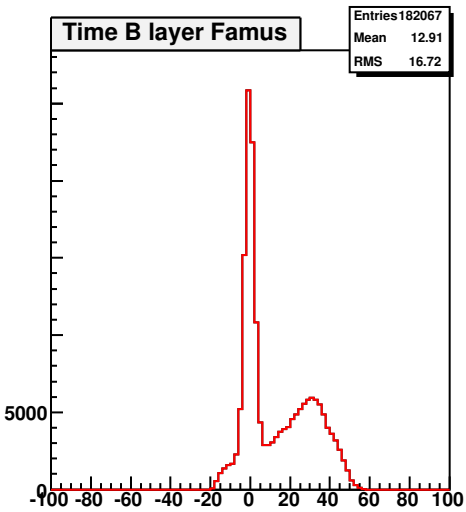
MuonMDT (All)

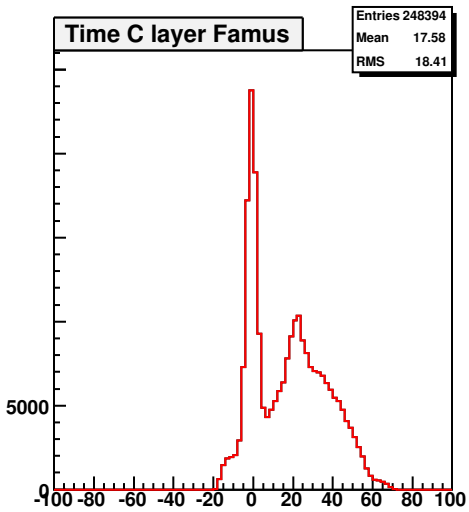

N
Entries 177583
Mean 8.227
RMS 4.234

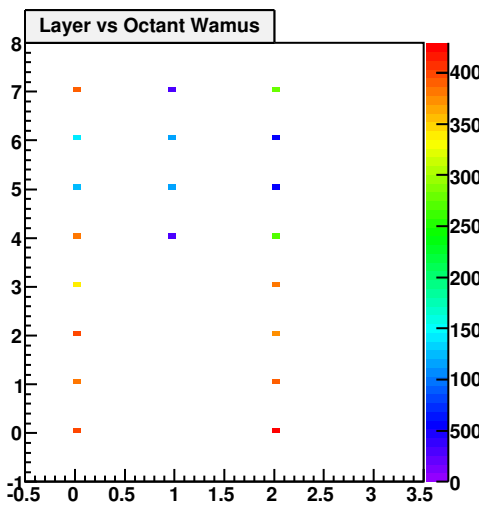

Time A layer Wamus
Entries 255993
Mean 17.55
RMS 19.84

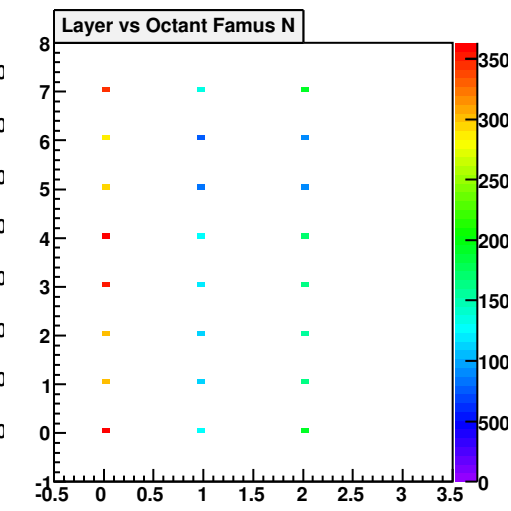

Time C layer Wamus
Entries 223591
Mean 20.28
RMS 24.89

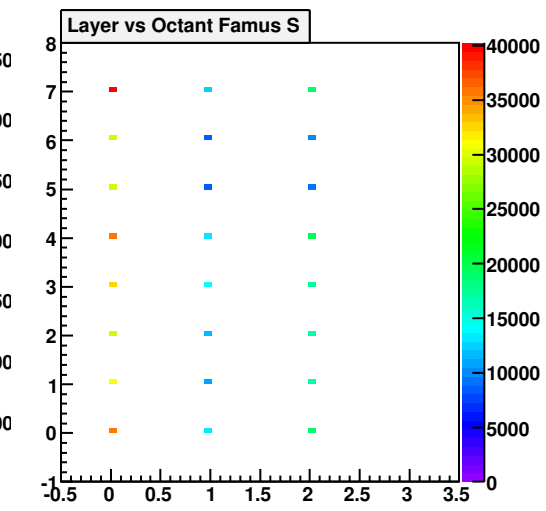

Time A layer Famus
Entries 521901
Mean 17.84
RMS 20.33


Time B layer Famus
Entries 182067
Mean 12.91
RMS 16.72

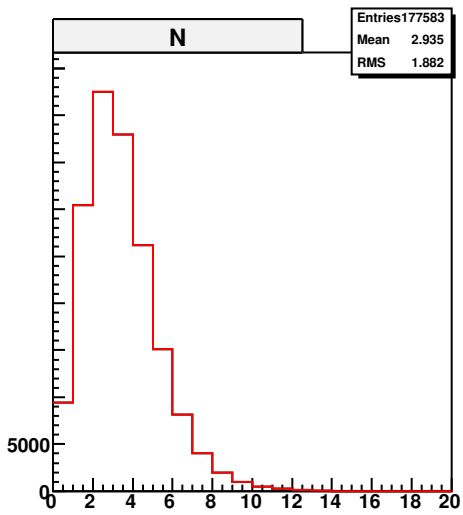

Time C layer Famus
Entries 248394
Mean 17.58
RMS 18.41

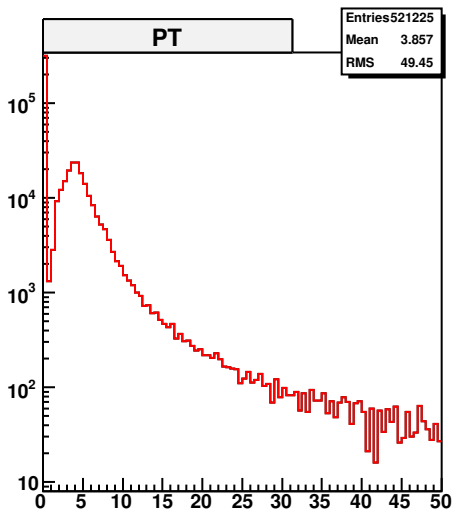

Layer vs Octant Wamus

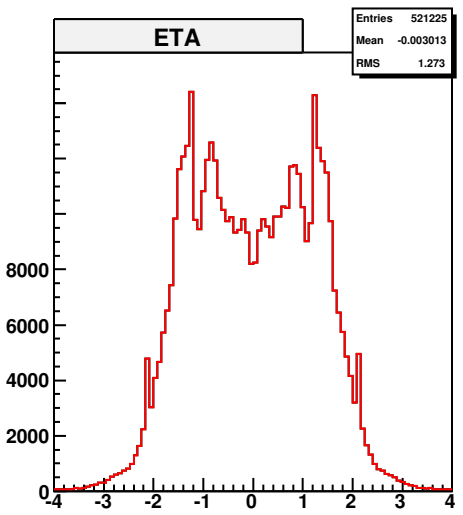

Layer vs Octant Famus N

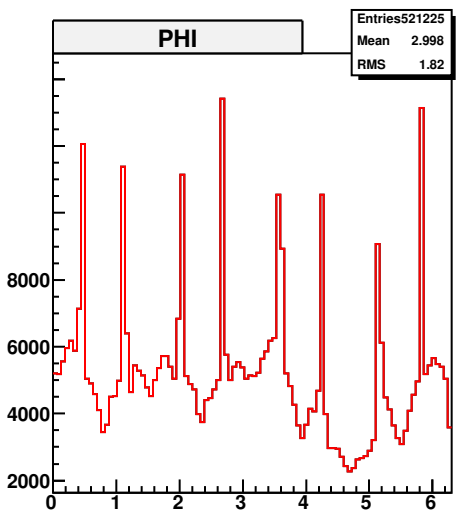

Layer vs Octant Famus S

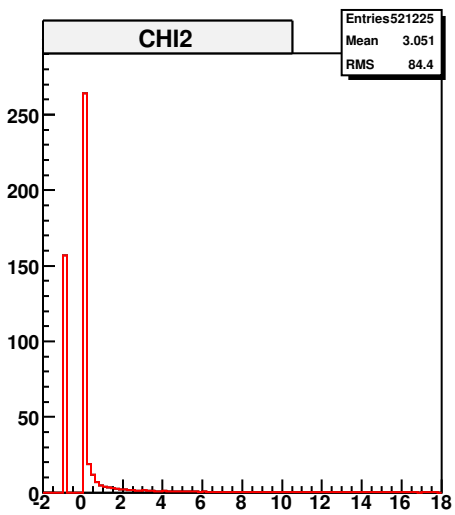
MuonMSC (All)

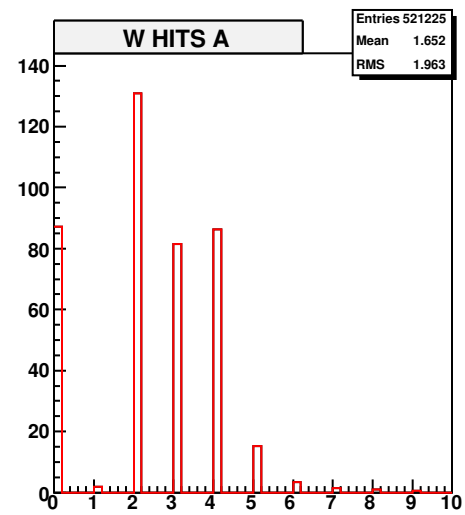


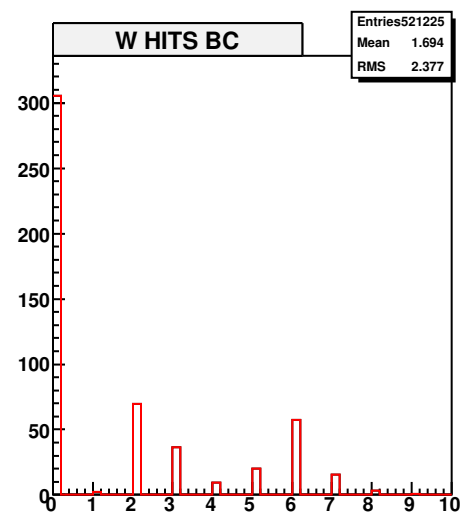


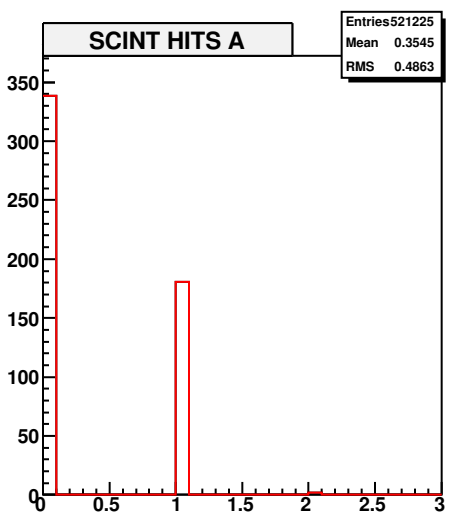


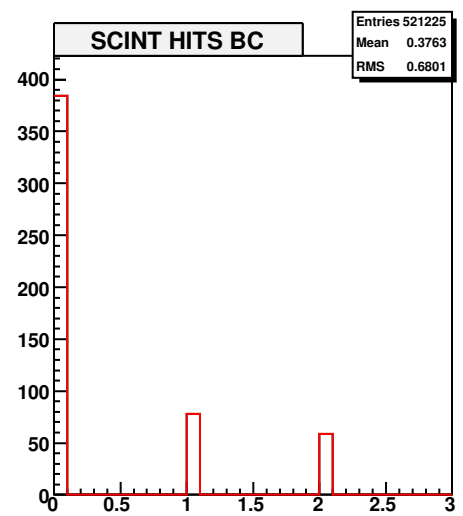




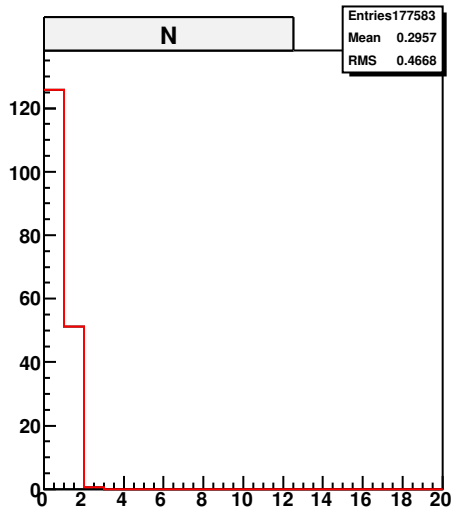


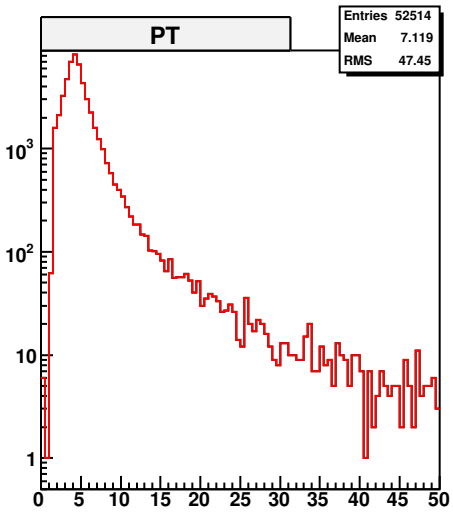


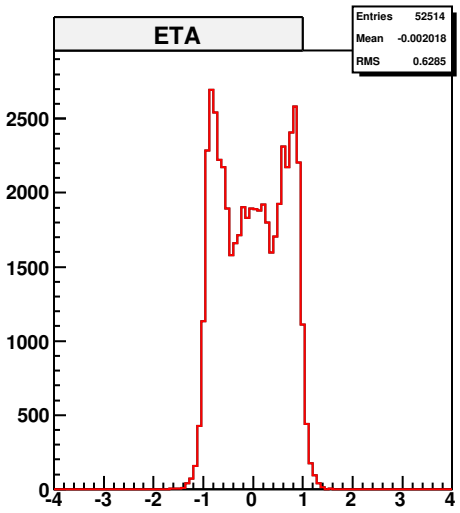


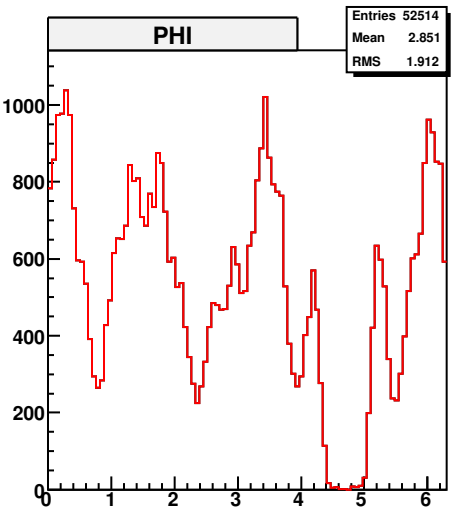


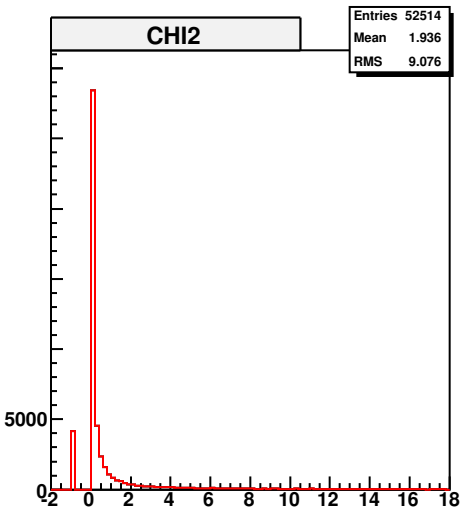
Muon Local Tracks (All)

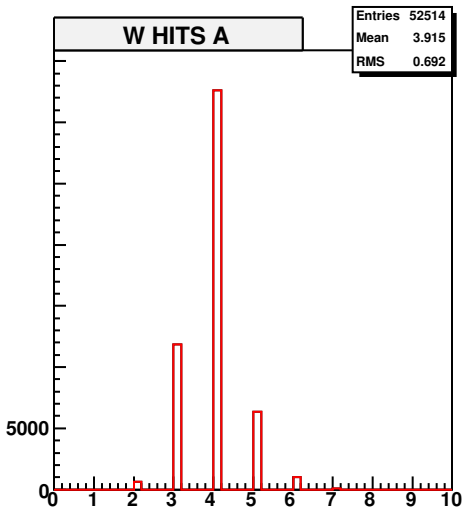


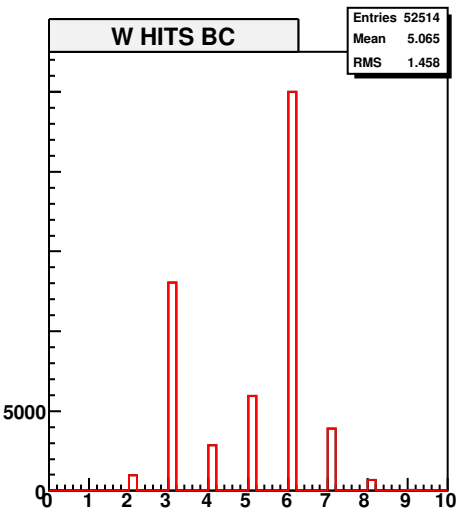


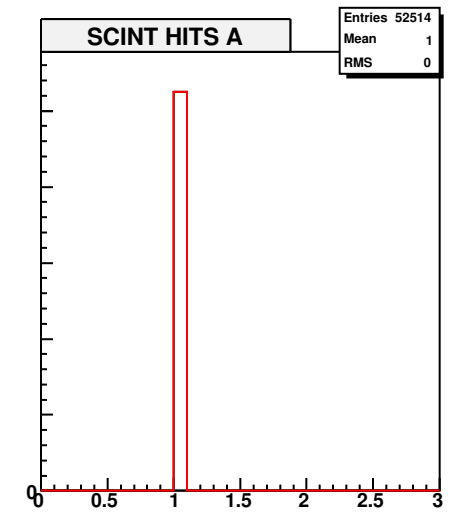


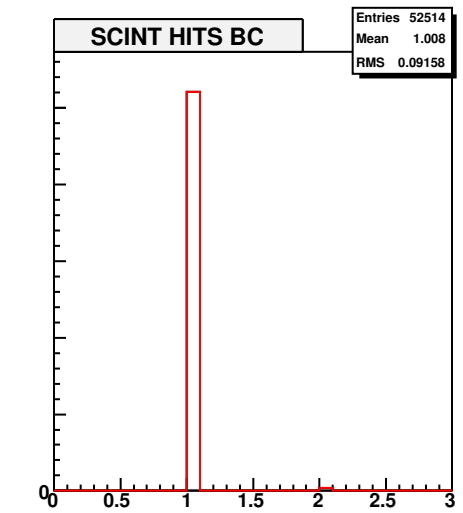




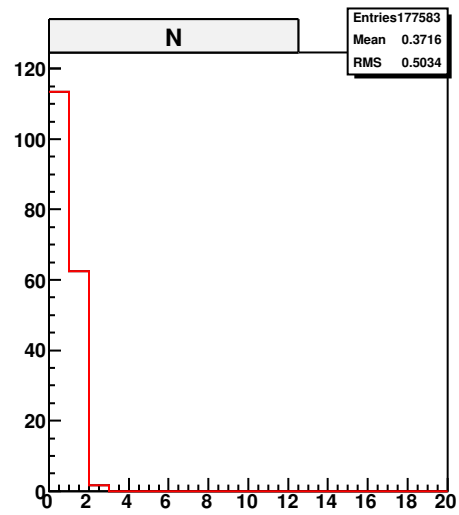


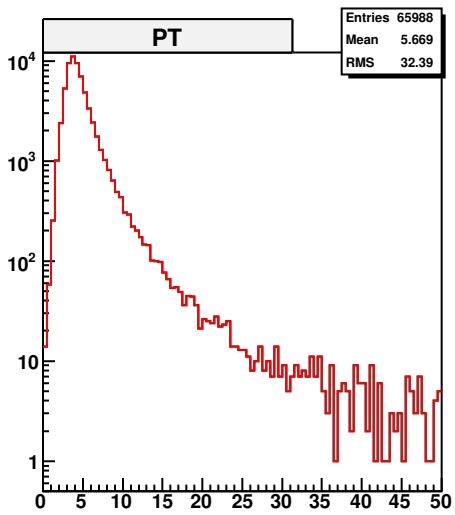


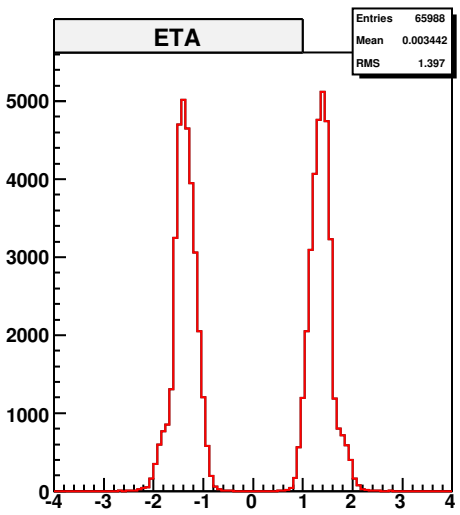


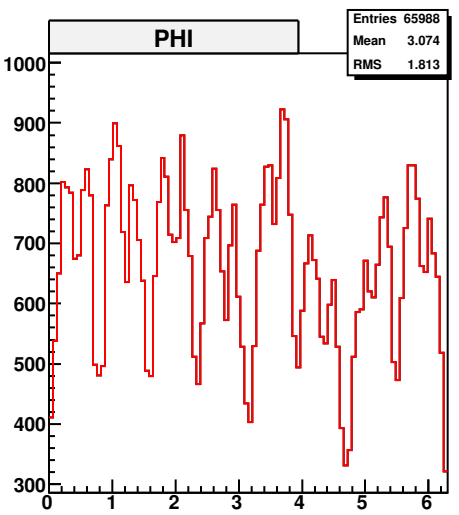


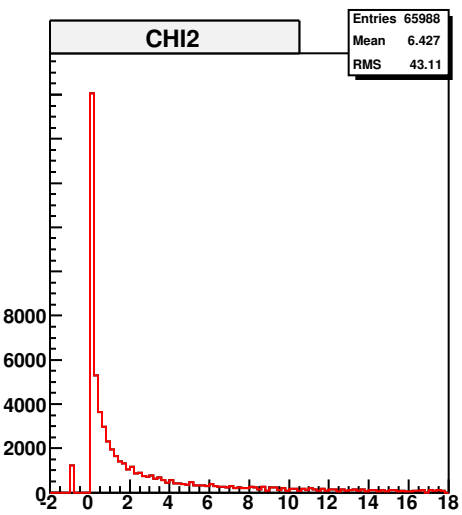
Muon Local Tracks (MediumWamus)

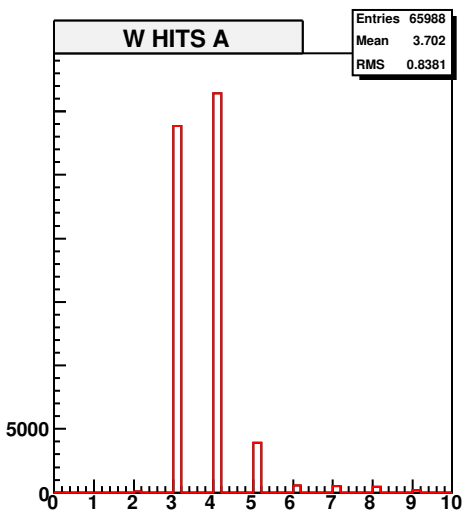


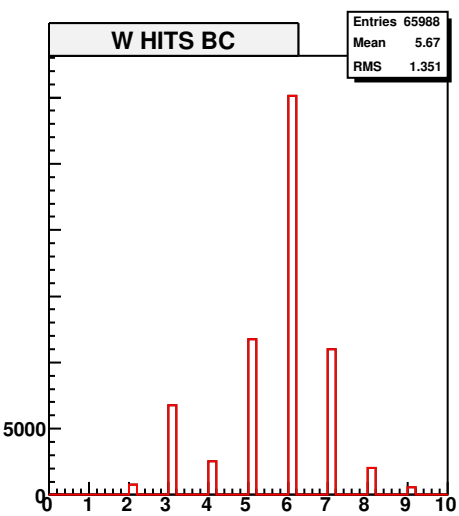


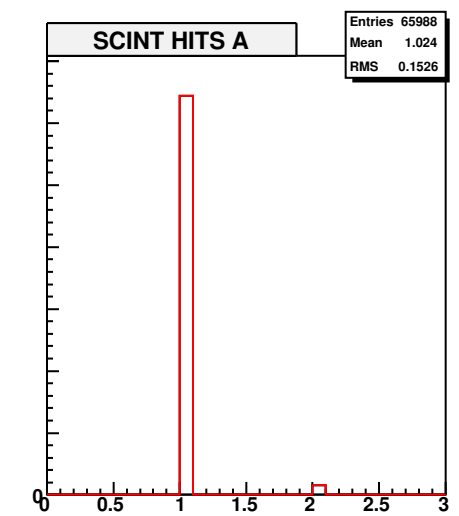


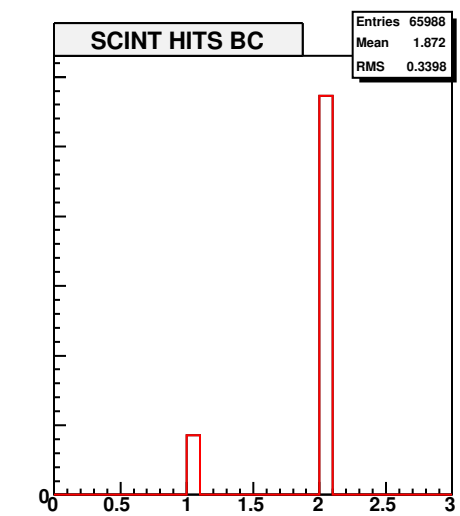




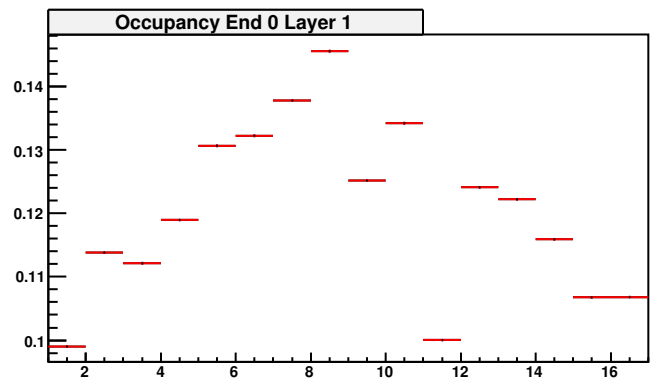


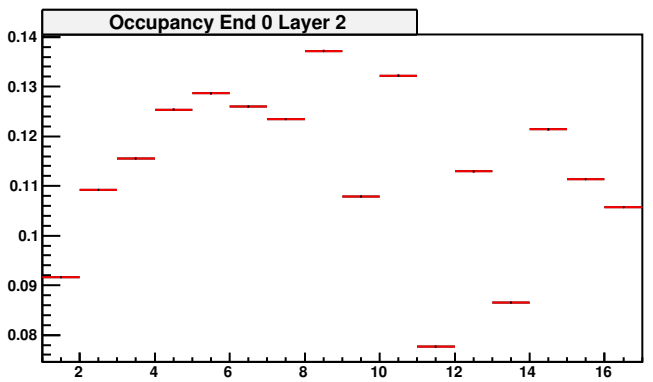


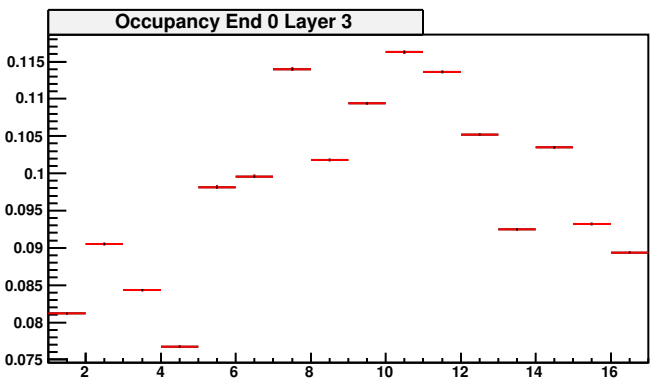


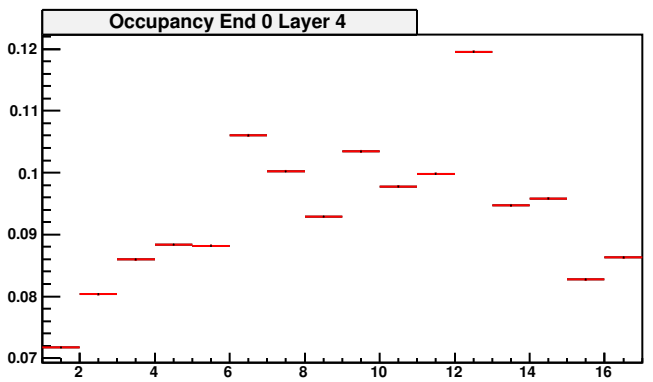


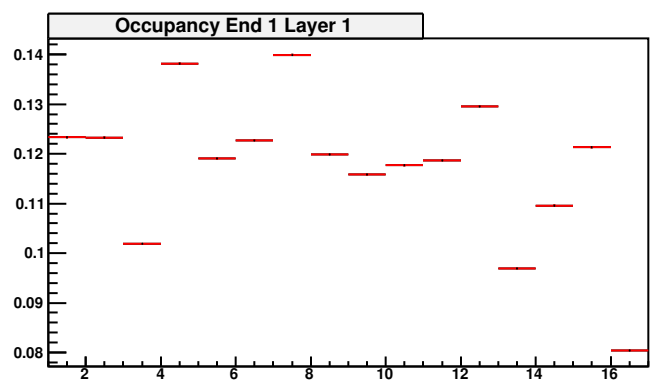
Muon Local Tracks (MediumFamus)

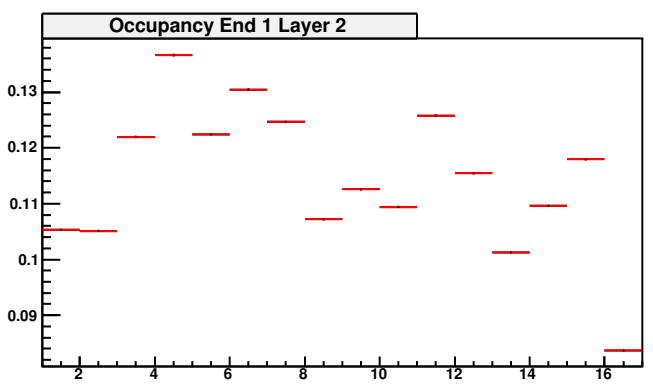


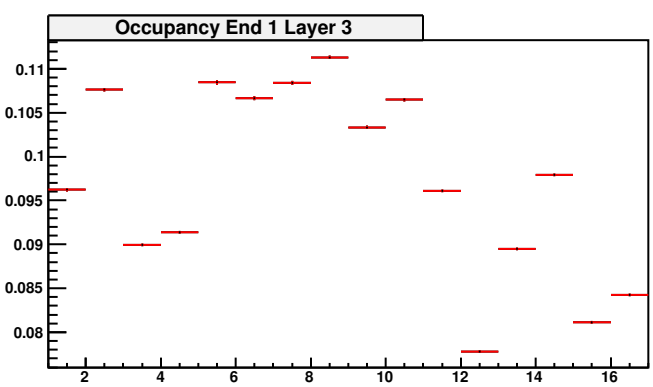


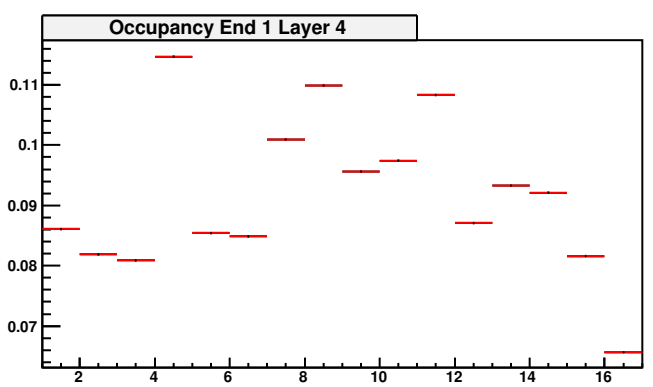




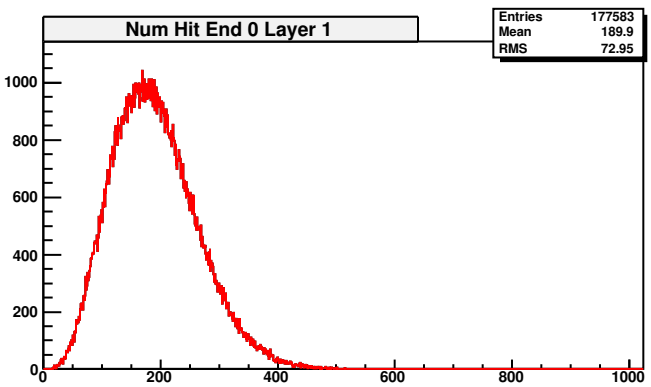


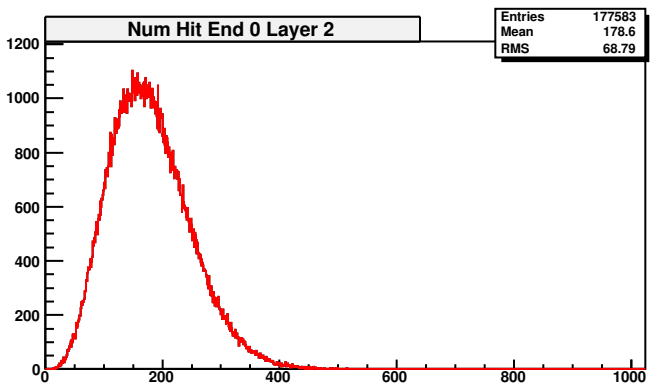


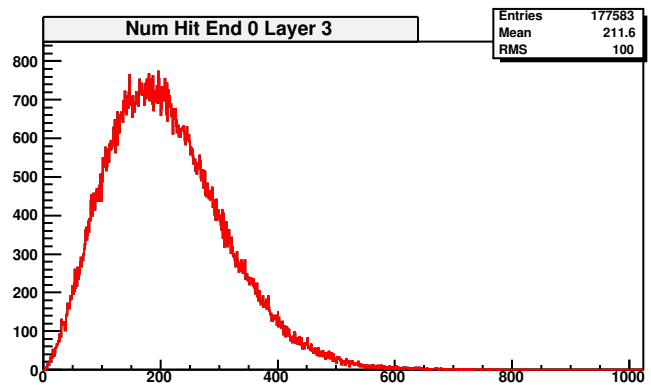


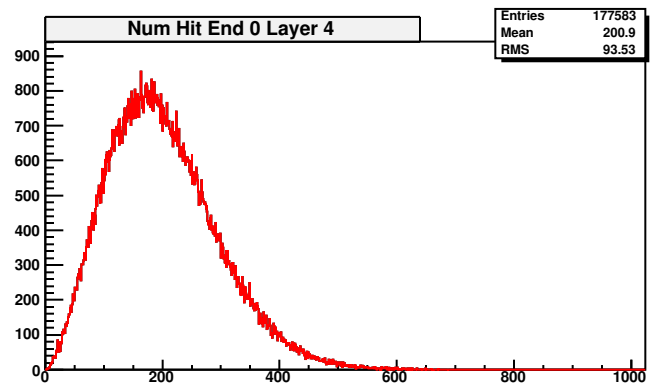


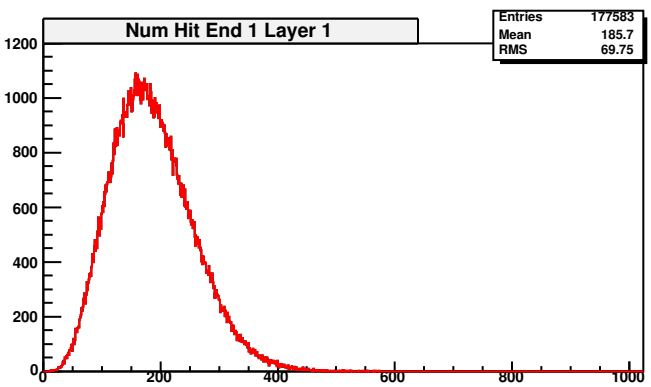
FPS Hit Occupancy (All)

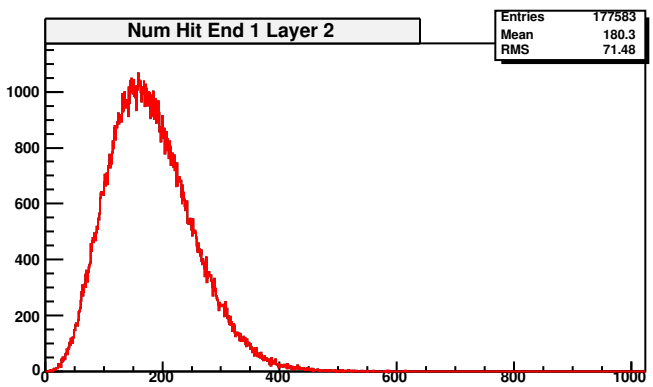


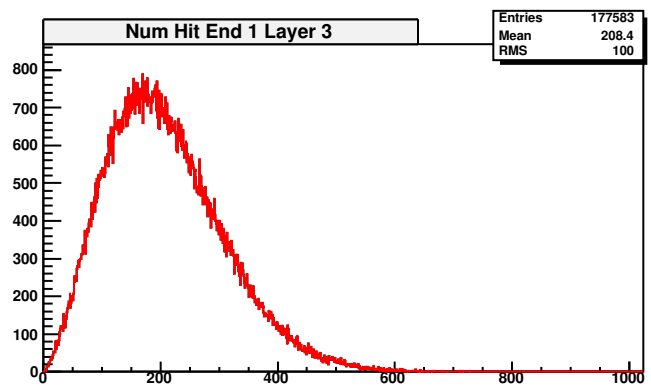


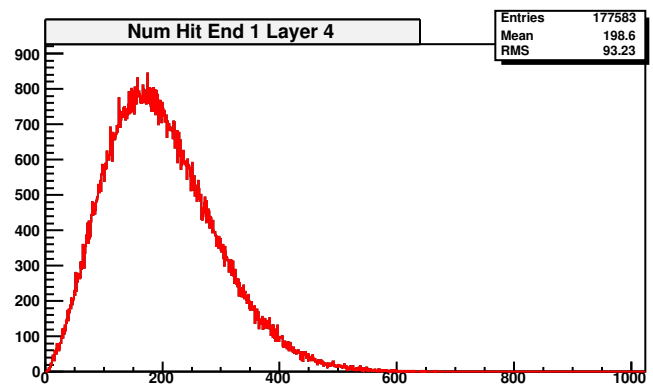




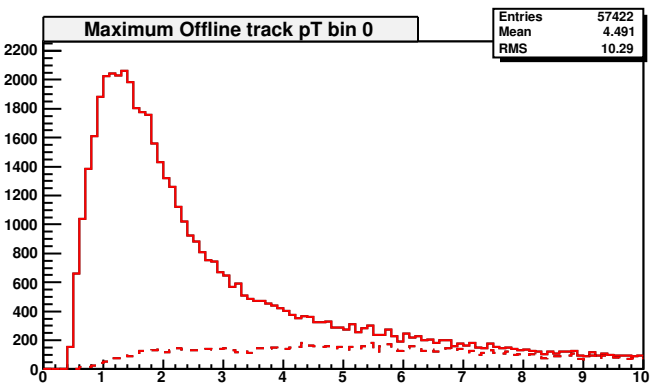


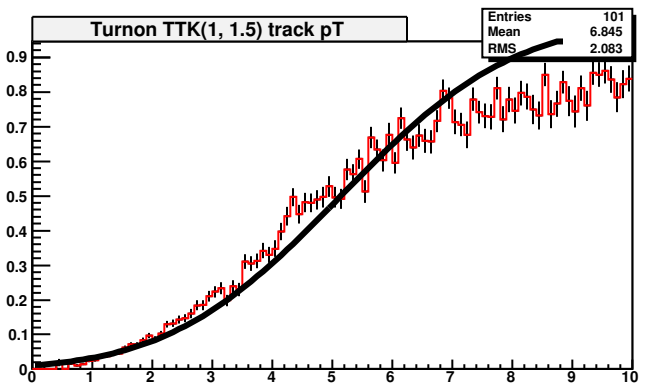


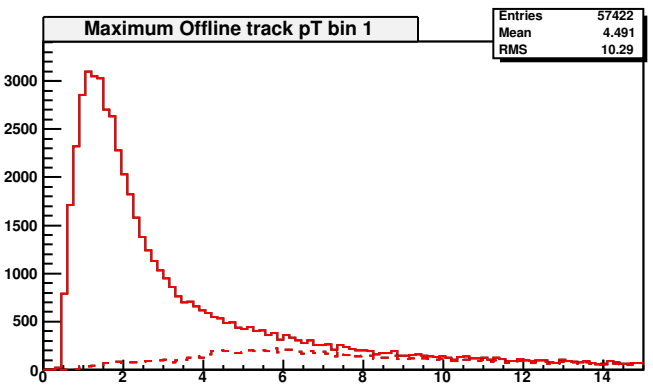


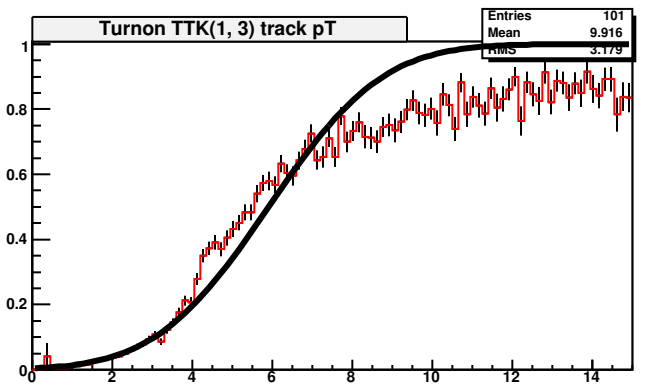


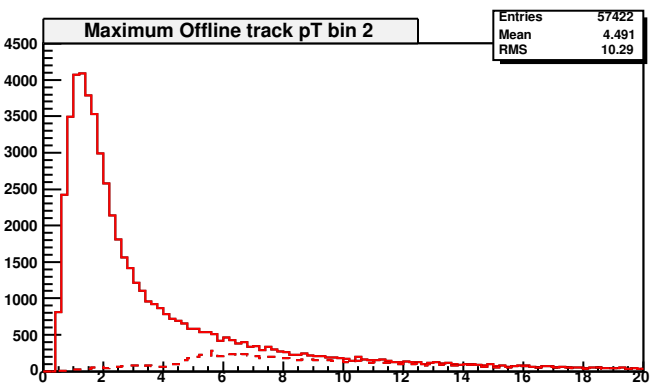
FPS Number of Hits (All)

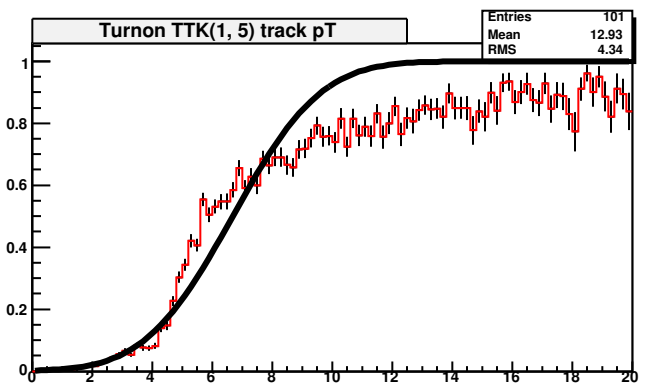


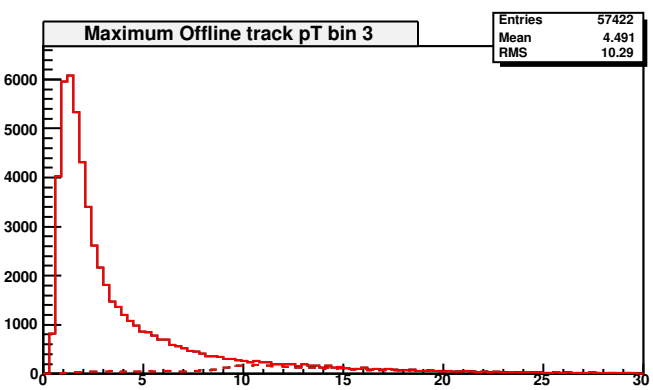


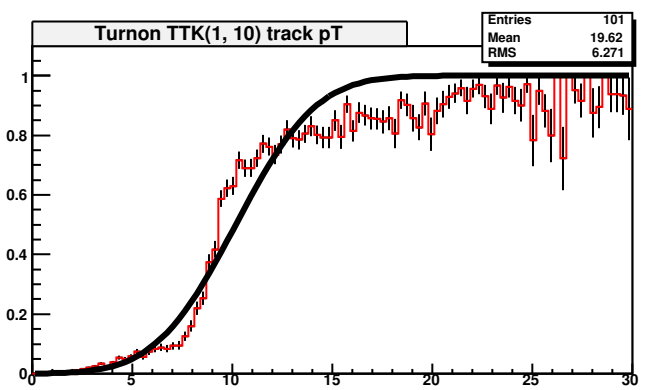




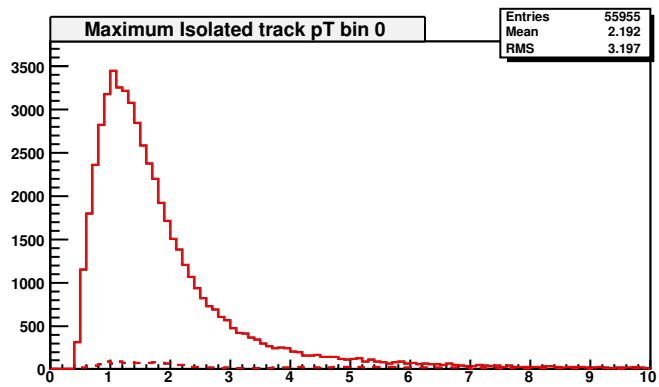


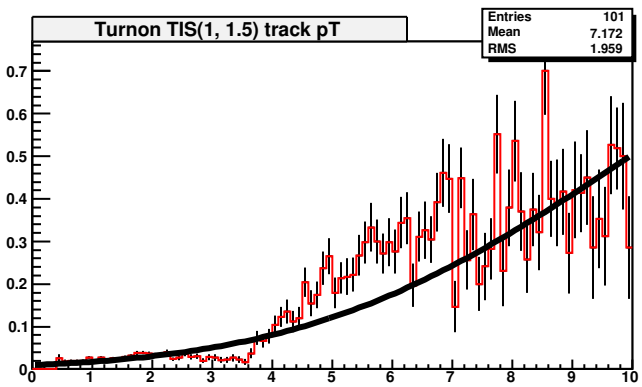


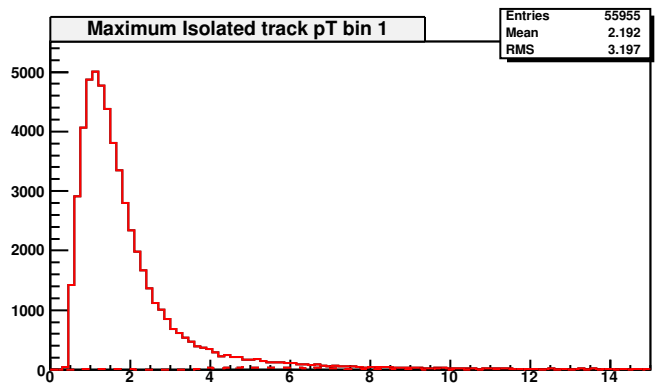


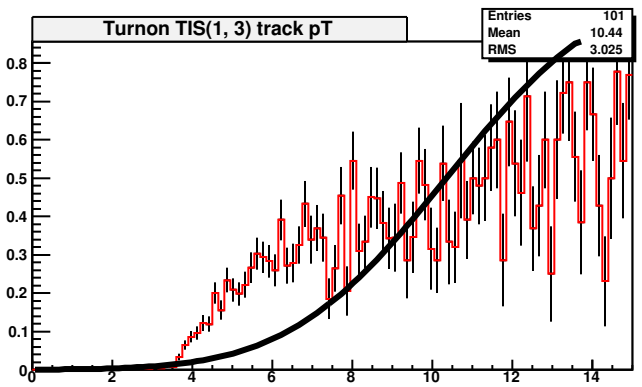


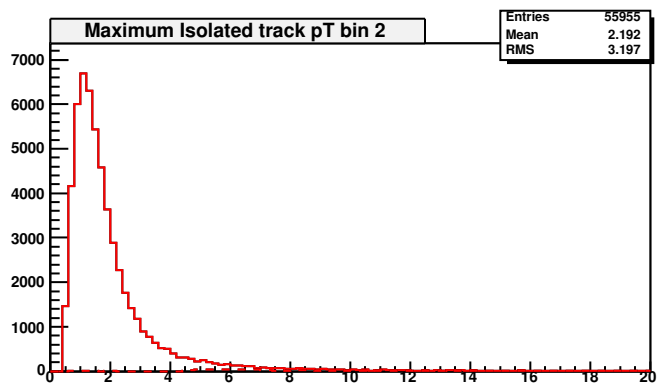
TTK Turnon curves (L1CTT All)

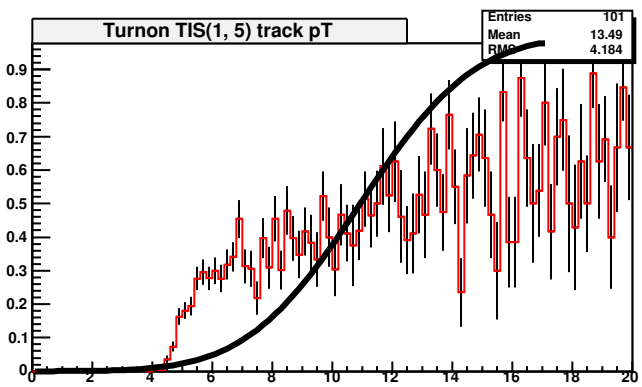


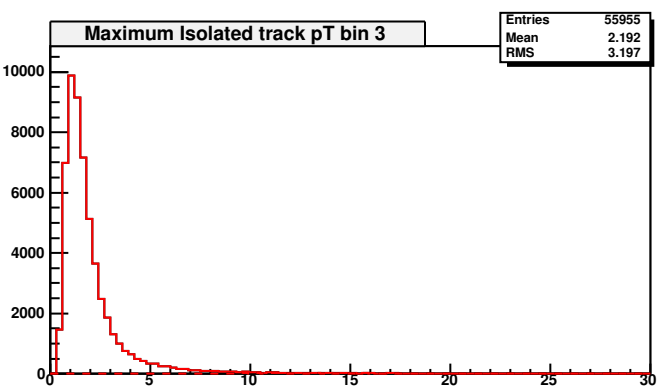


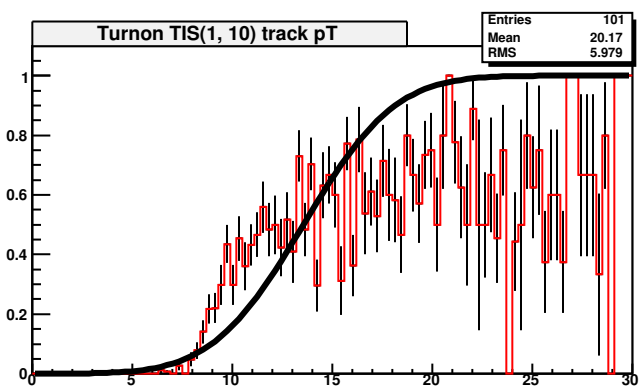




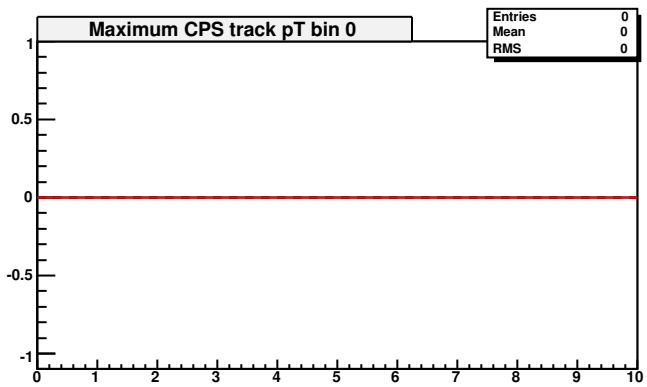


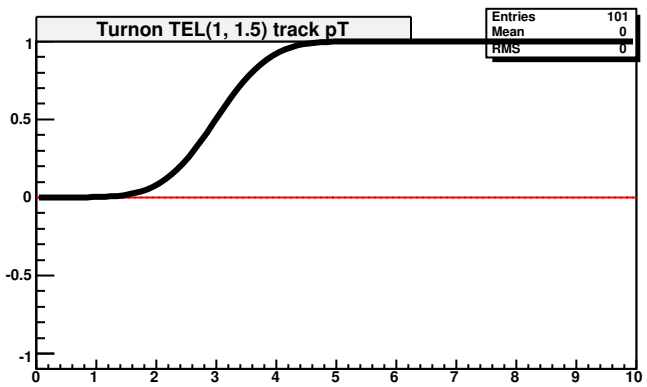


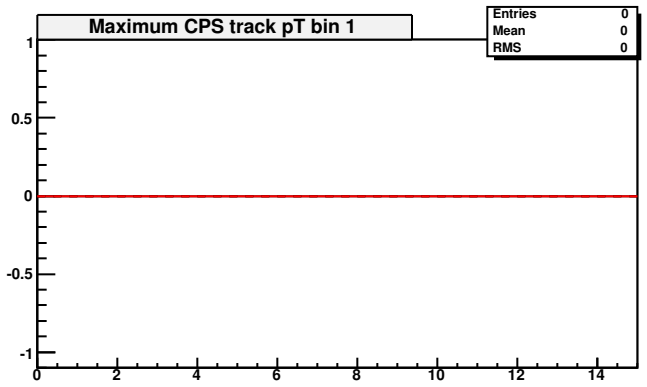


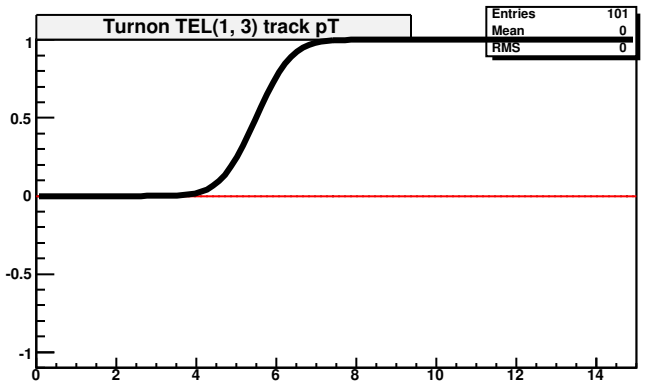


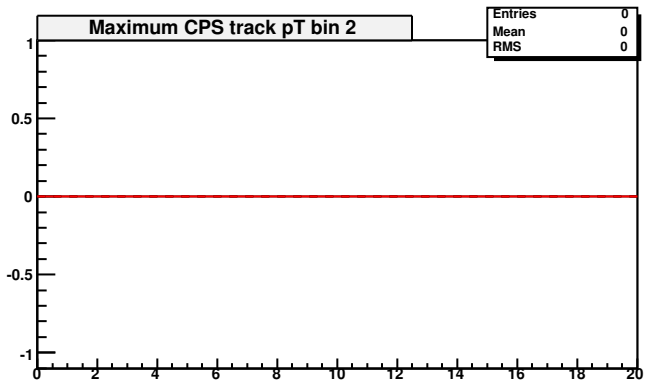
TIS Turnon curves (L1CTT All)

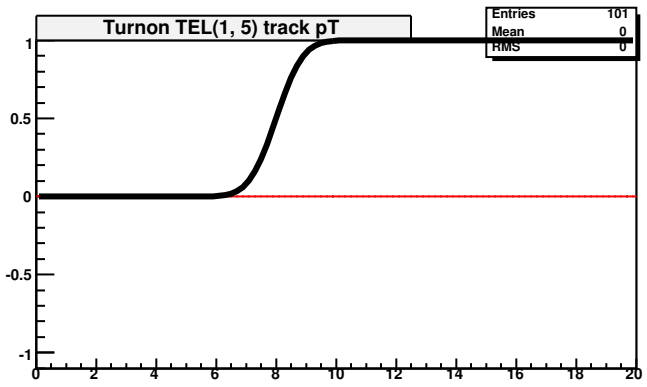


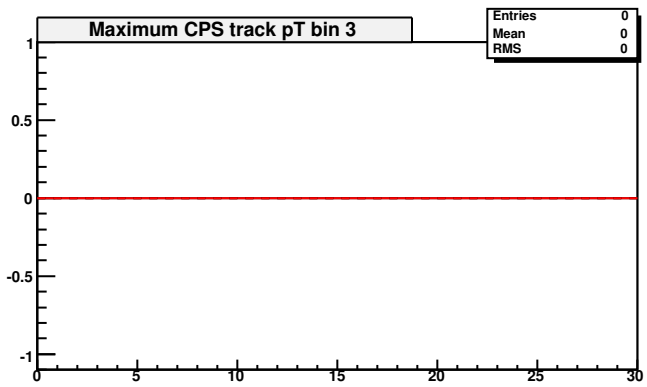


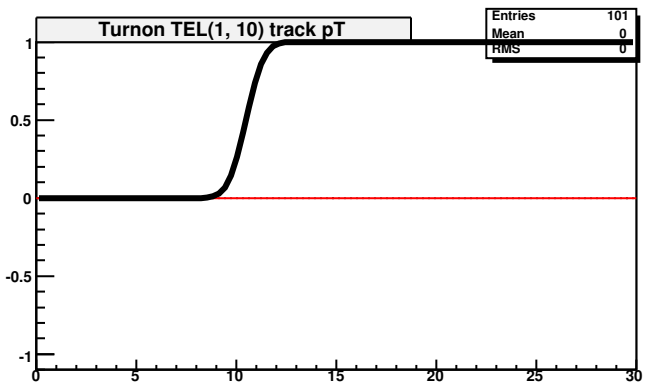




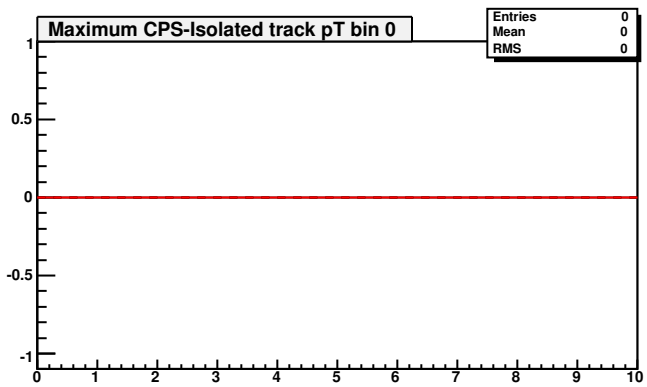


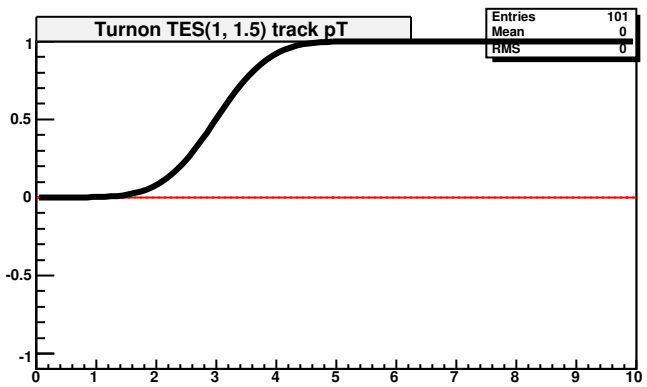


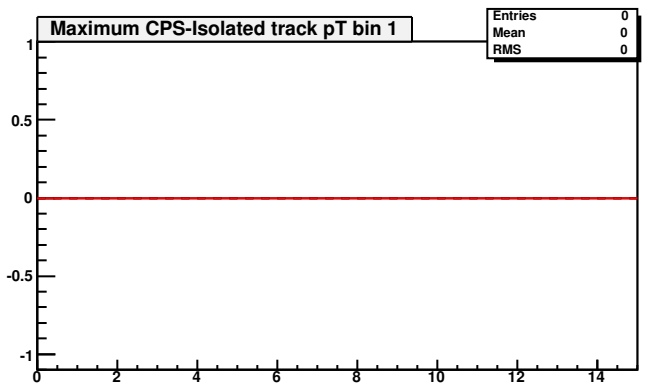


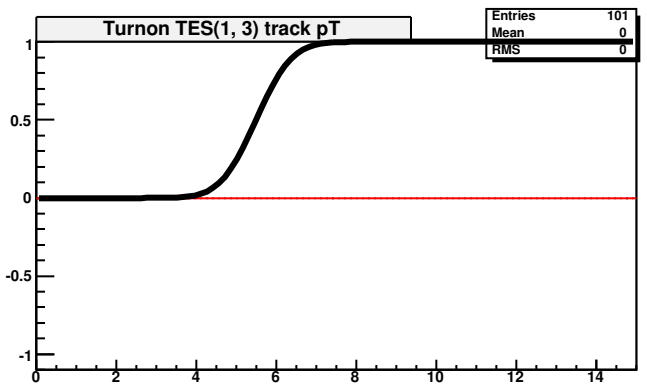


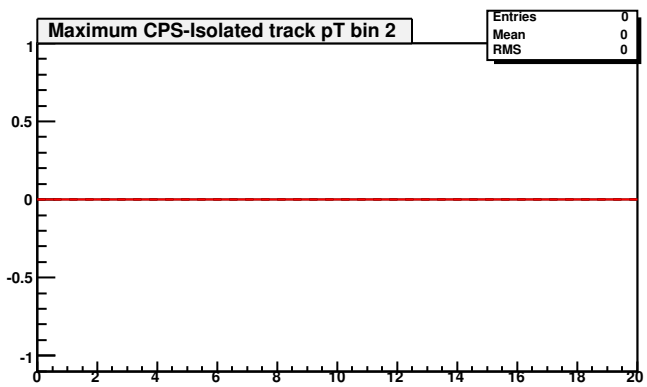
TEL Turnon curves (L1CTT All)

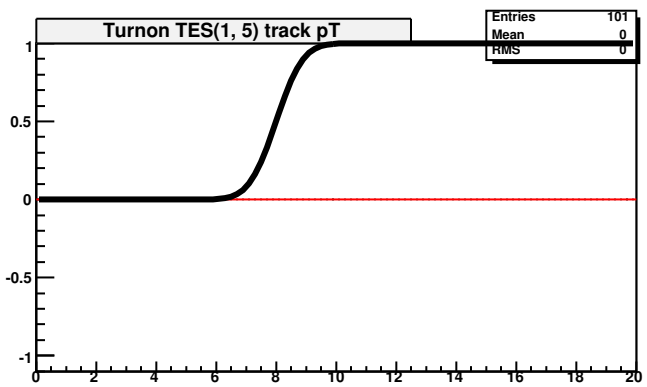


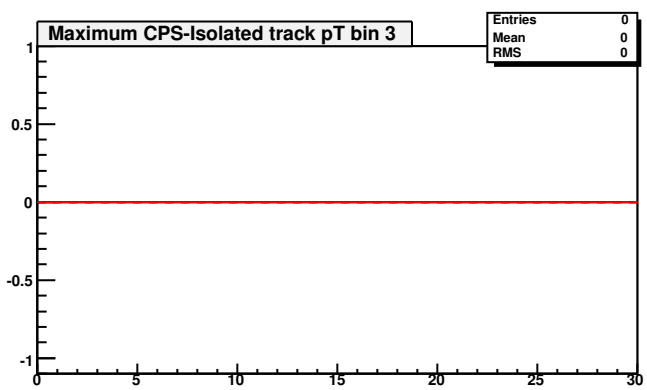


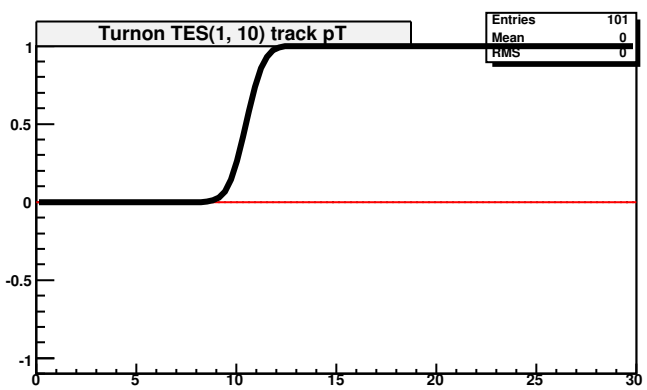




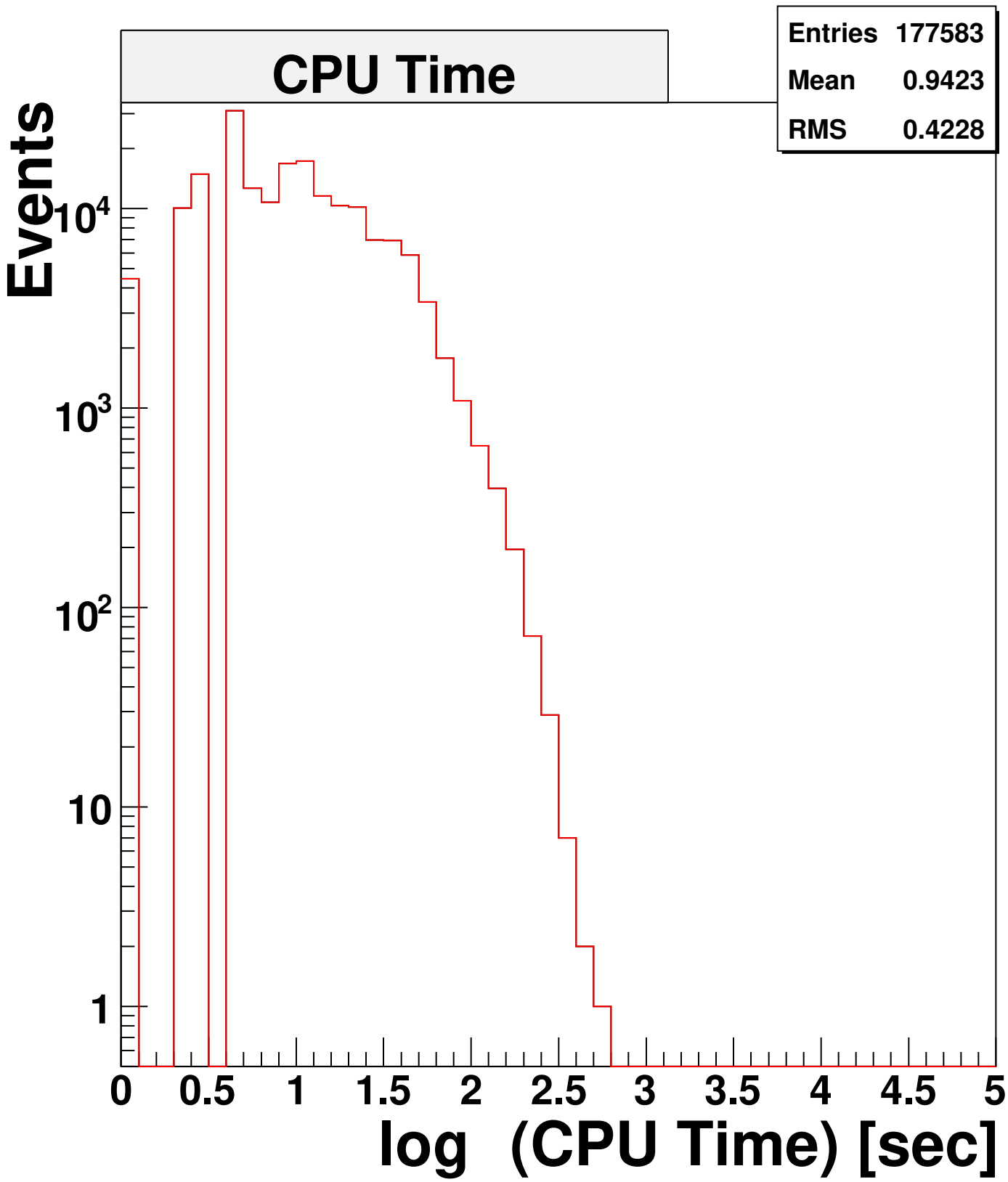








TES Turnon curves (L1CTT All)



RECO Performance (Timing)