dayset-2006-08-27-all_4-224622-0_certification_20070
../unmerged/dayset-2006-08-27-all_4-224622-0_certific

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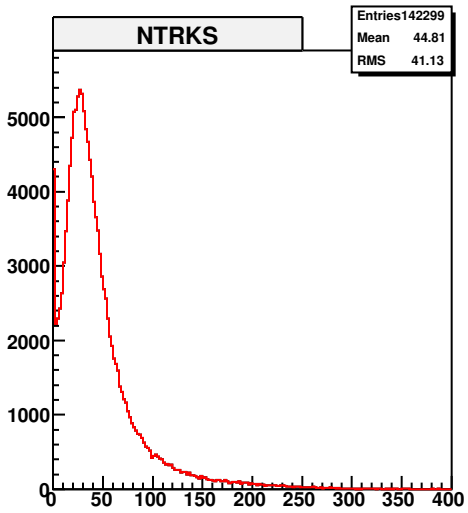
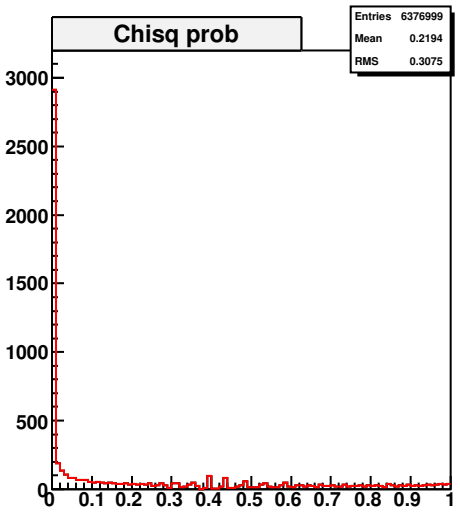
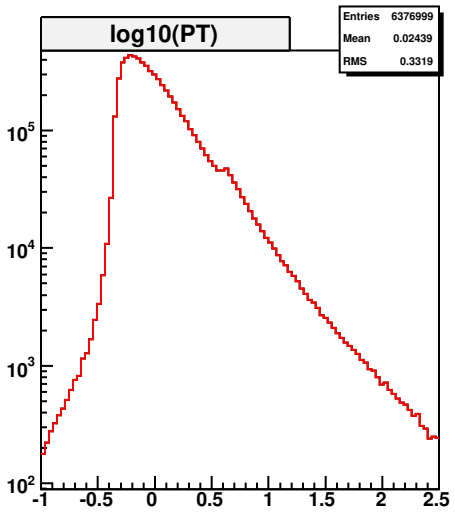
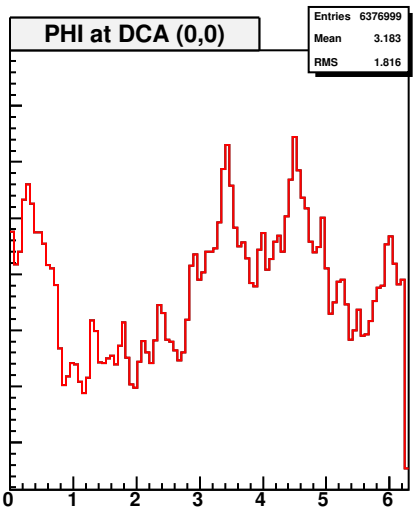
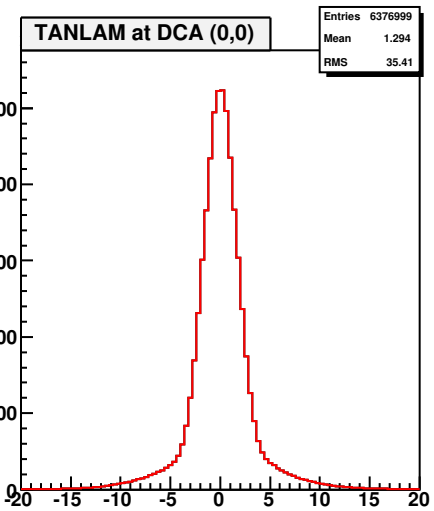
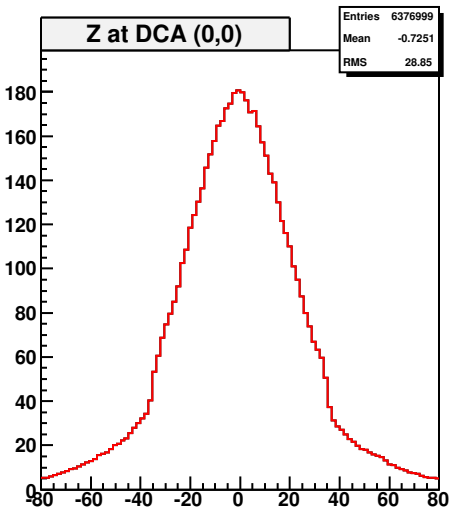

NTRKS
Entries 142299
Mean 44.81
RMS 41.13

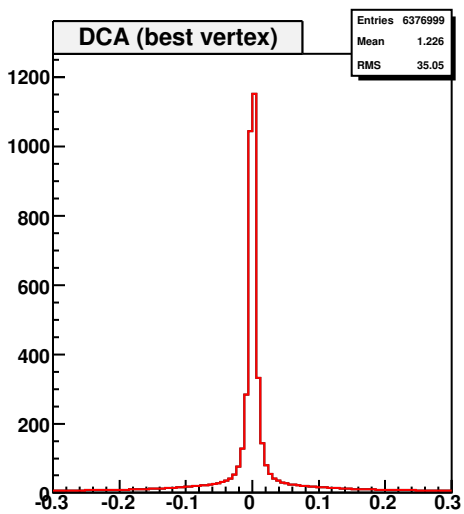

Chisq prob
Entries 6376999
Mean 0.2194
RMS 0.3075

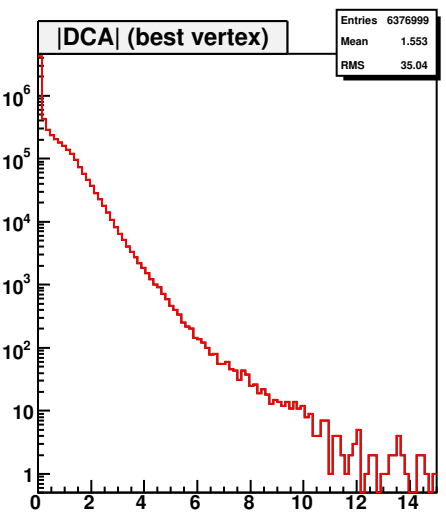

log10(PT)
Entries 6376999
Mean 0.02439
RMS 0.3319

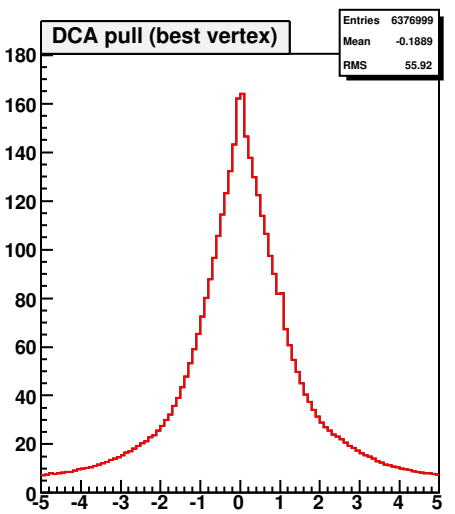

PHI at DCA (0,0)
Entries 6376999
Mean 3.183
RMS 1.816


TANLAM at DCA (0,0)
Entries 6376999
Mean 1.294
RMS 35.41

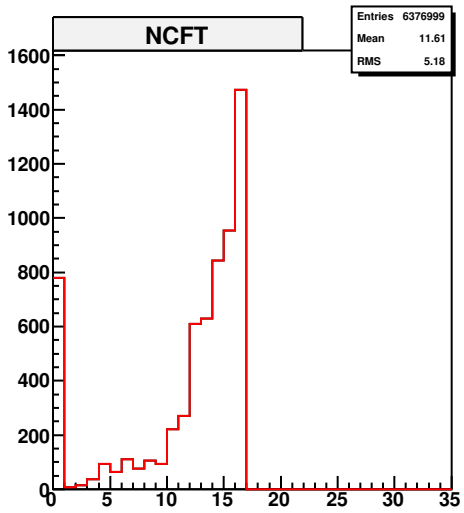

Z at DCA (0,0)
Entries 6376999
Mean -0.7251
RMS 28.85

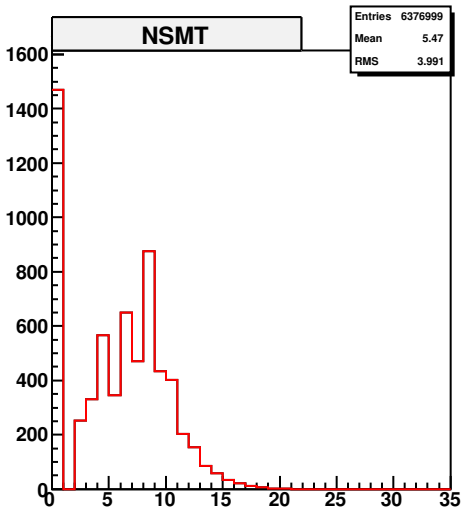

DCA (best vertex)
Entries 6376999
Mean 1.226
RMS 35.05

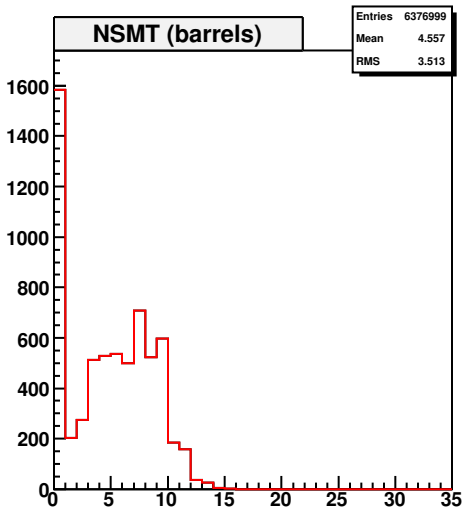

|DCA| (best vertex)
Entries 6376999
Mean 1.553
RMS 35.04

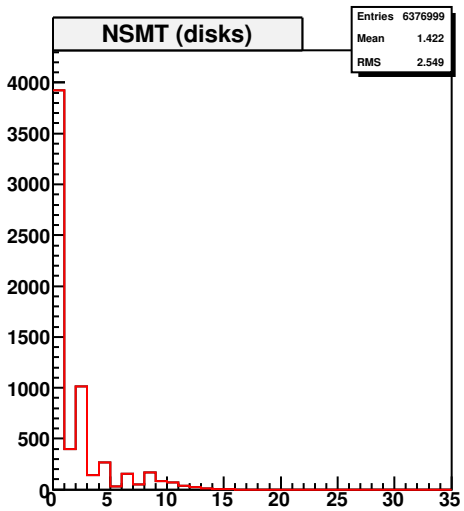

DCA pull (best vertex)
Entries 6376999
Mean -0.1889
RMS 55.92

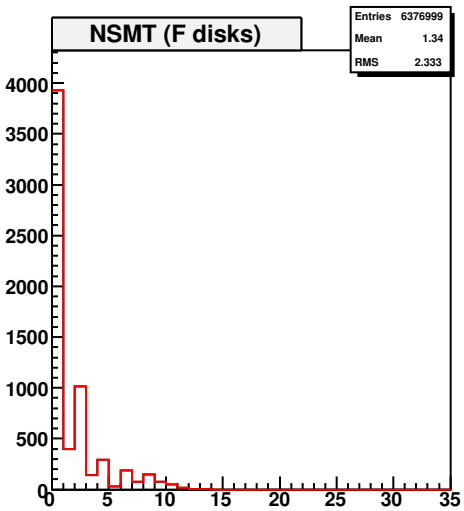
Tracks (All)

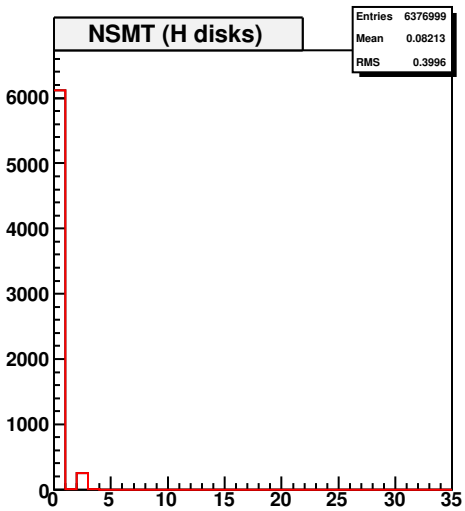


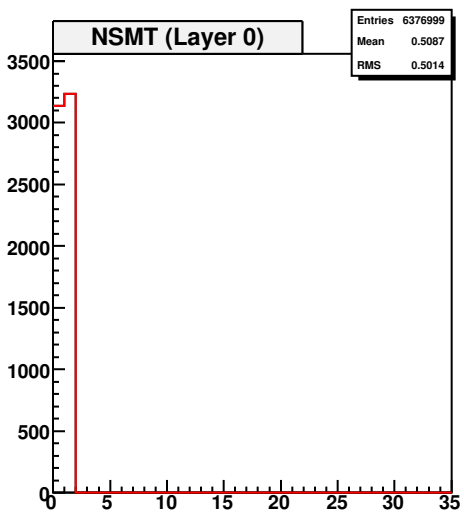




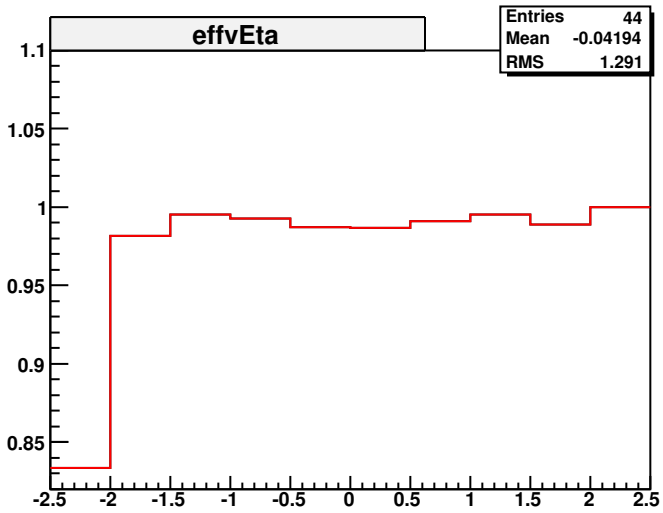


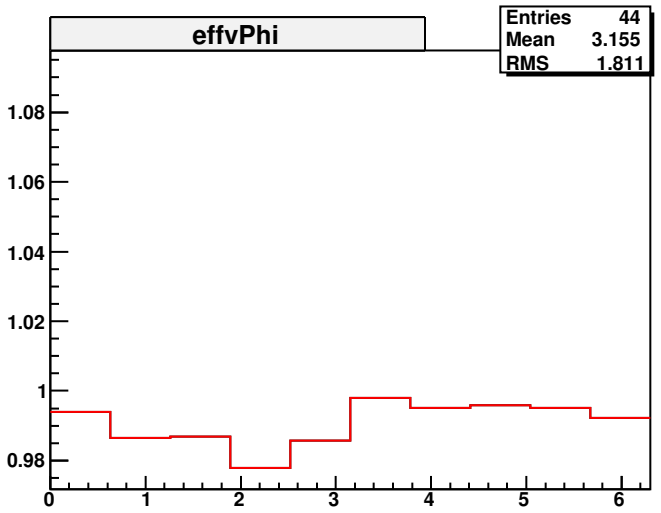


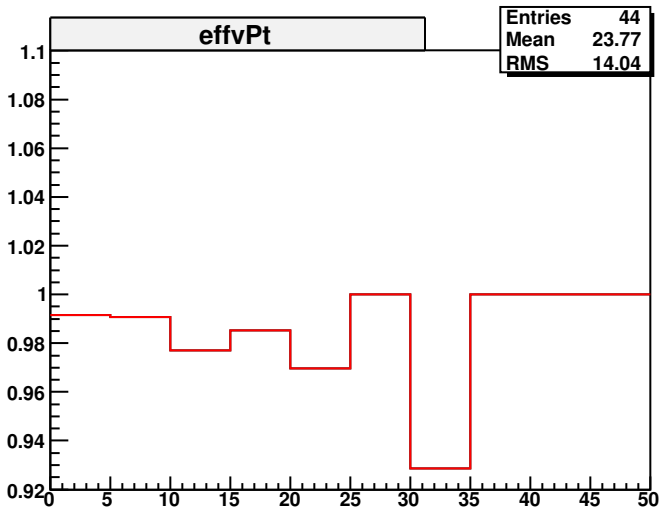


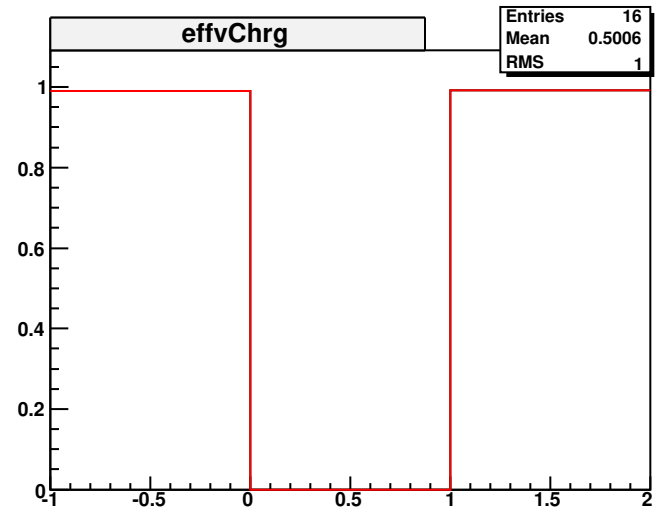


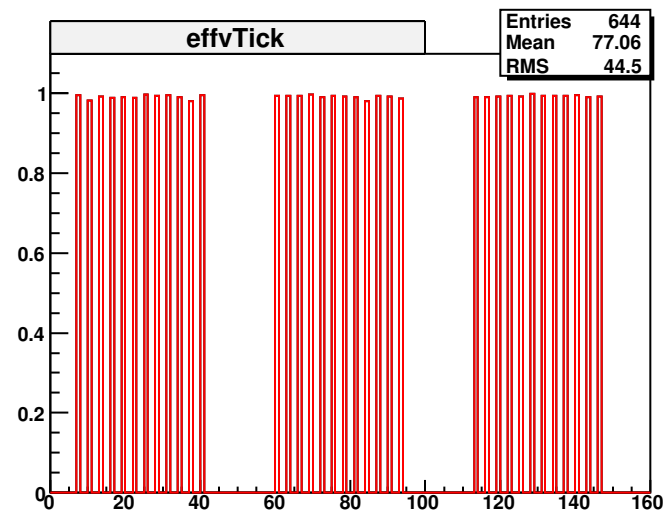
Track Hits (All)

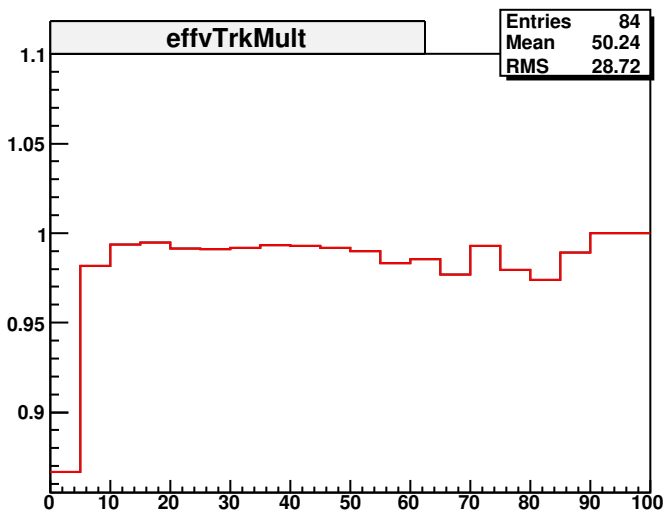




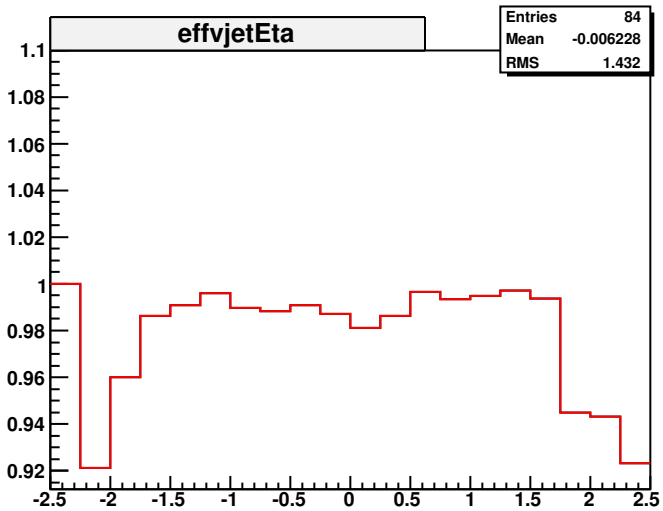


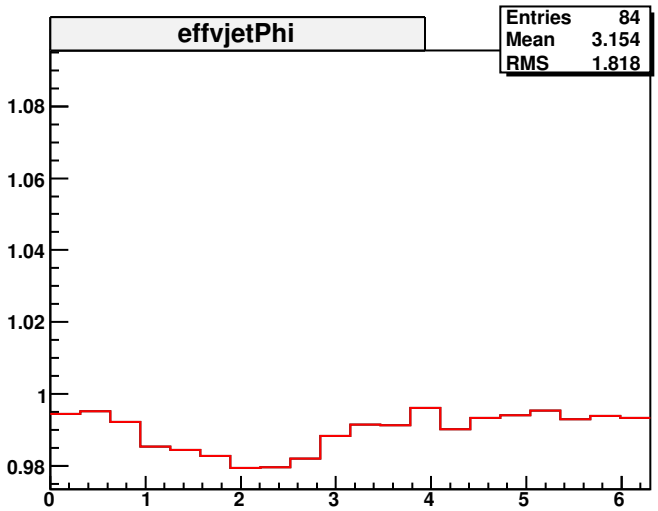


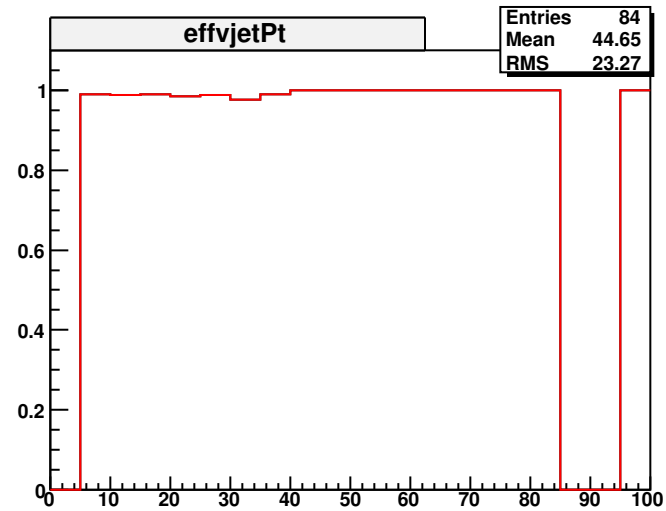


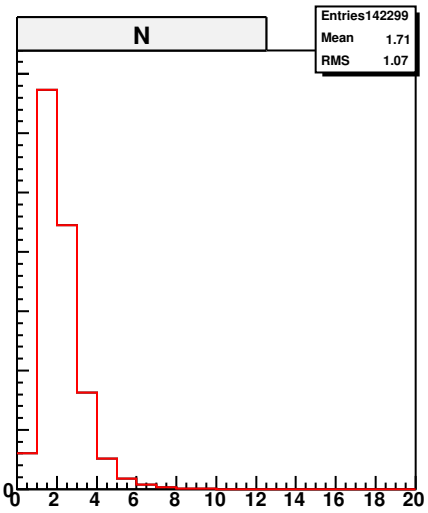


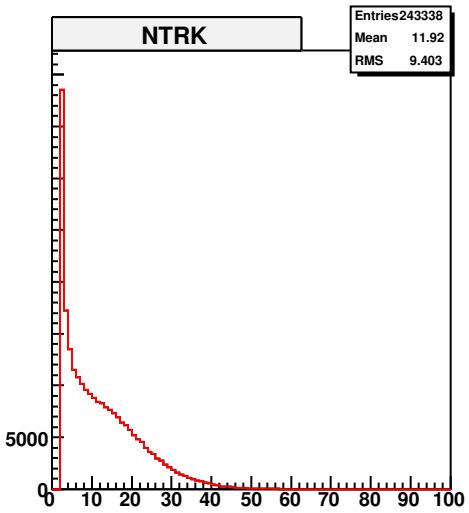
Tracking (Efficiency-Isolated)

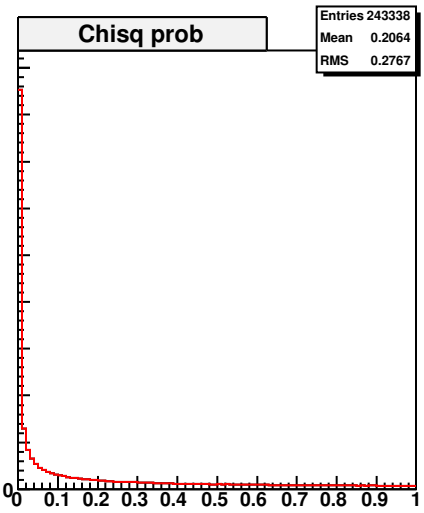

effvjetEta
Entries 84
Mean -0.006228
RMS 1.432
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
-2.5 -2 -1.5 -1 -0.5 0 0.5 1 1.5 2 2.5

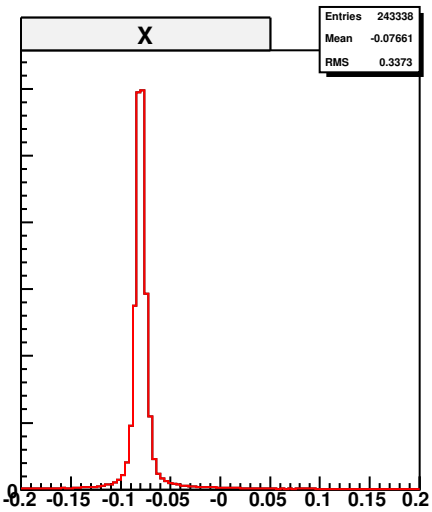

effvjetPhi
Entries 84
Mean 3.154
RMS 1.818
1.08
1.06
1.04
1.02
1
0.98
0 1 2 3 4 5 6

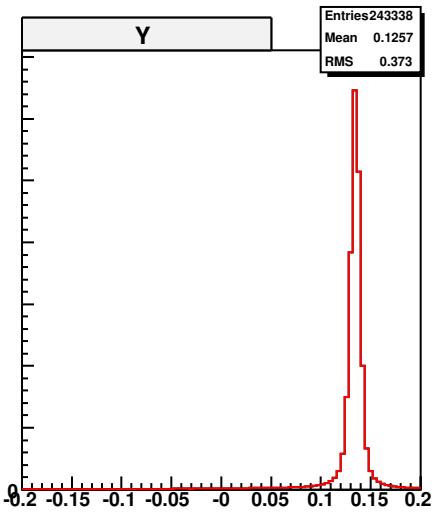

effvjetPt
Entries 84
Mean 44.65
RMS 23.27
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90 100

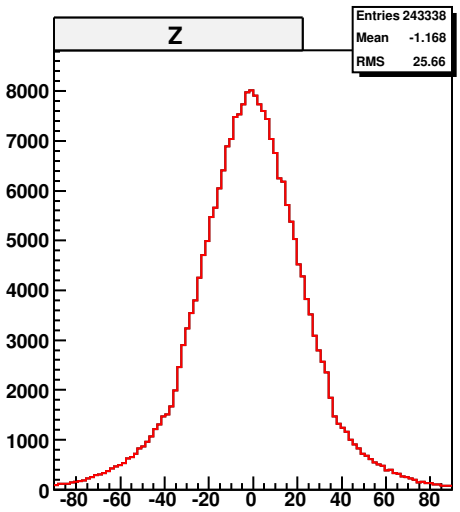




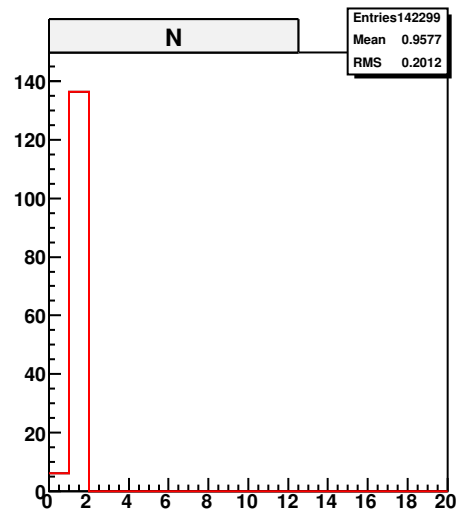


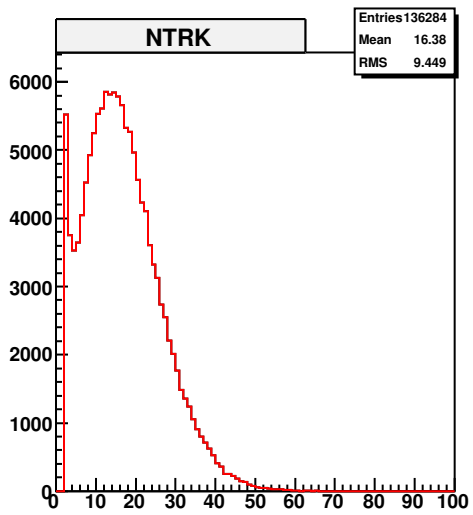


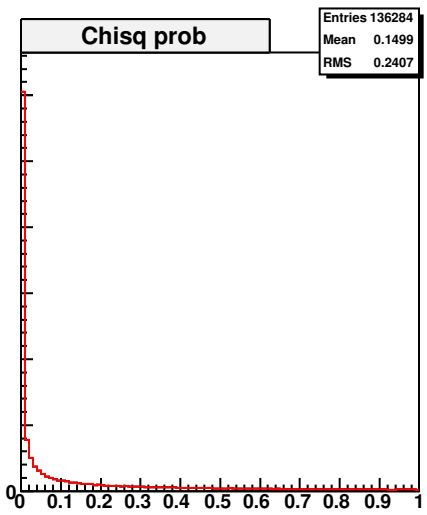


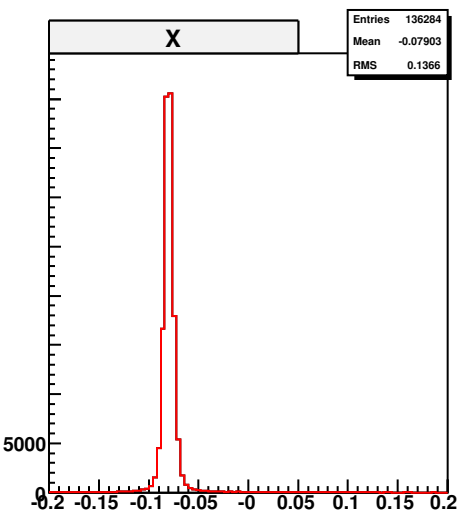


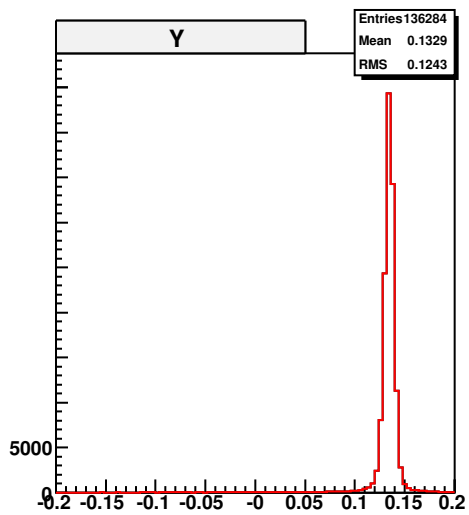
Vertices (Primary - all candidates)

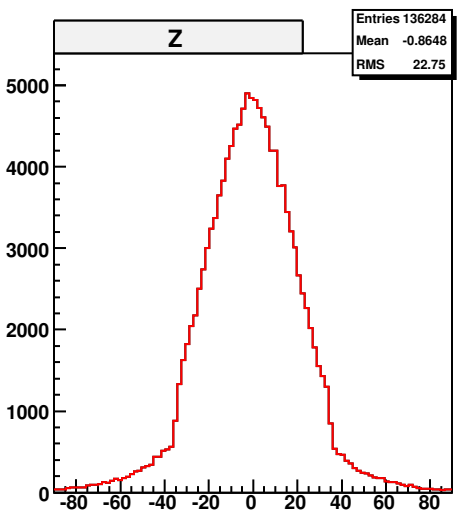




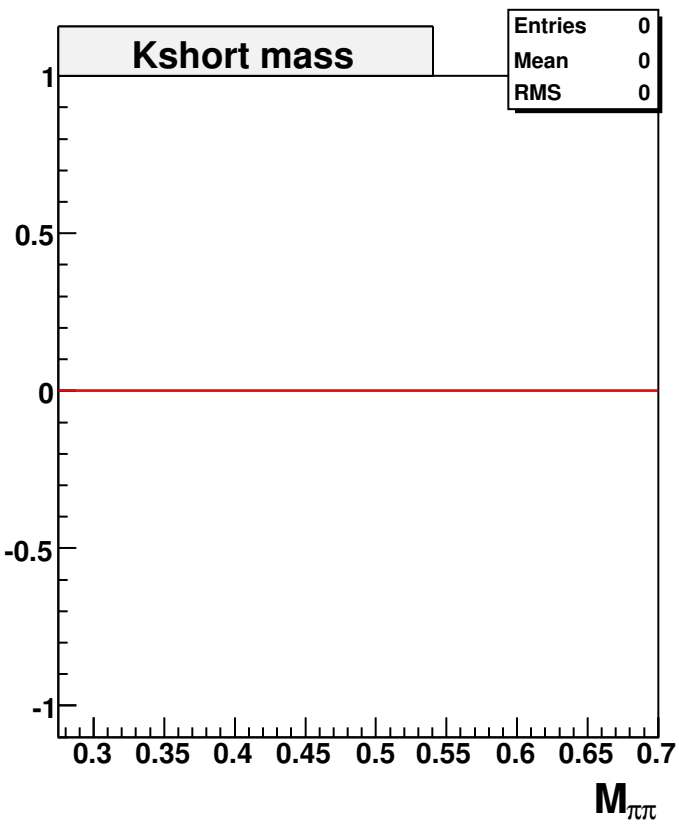


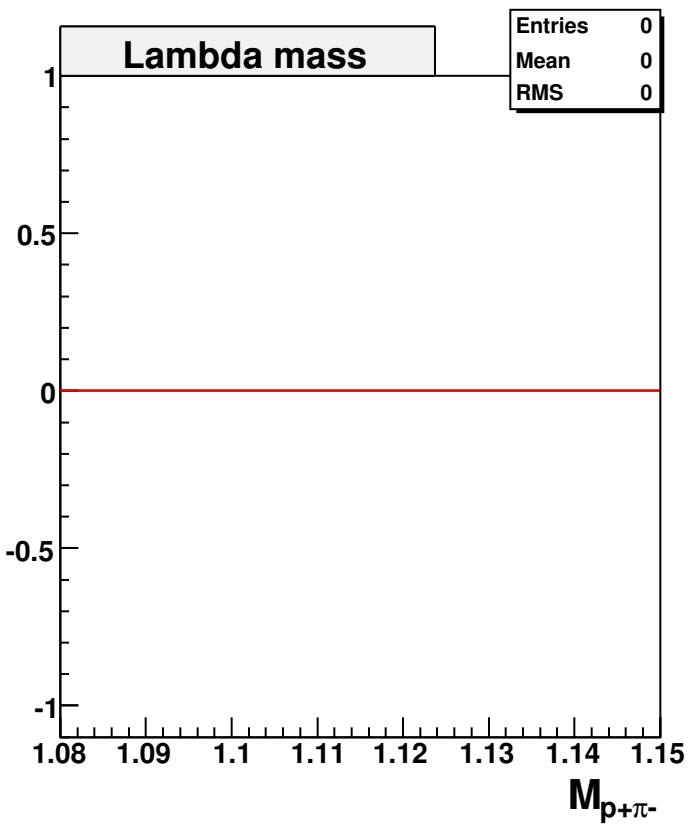


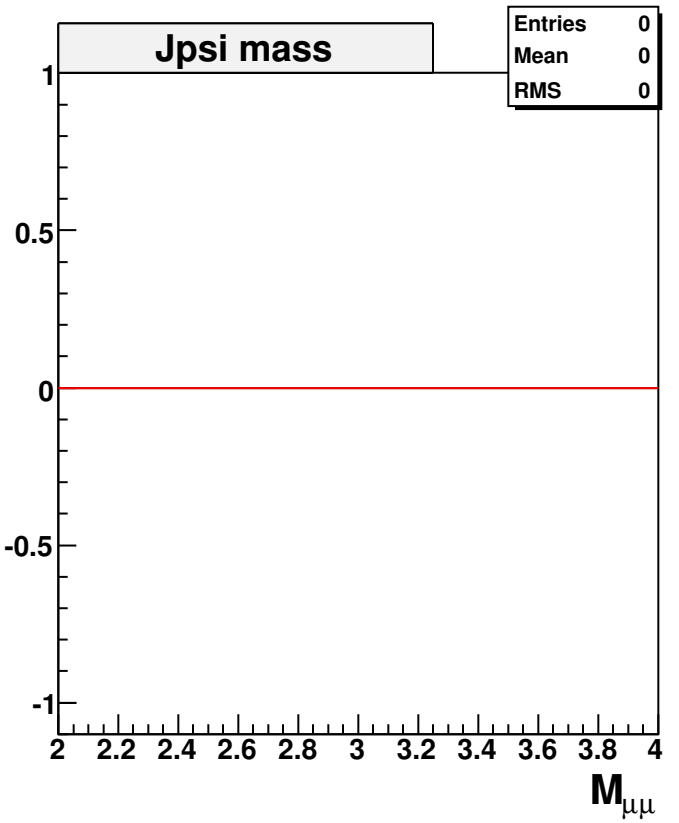


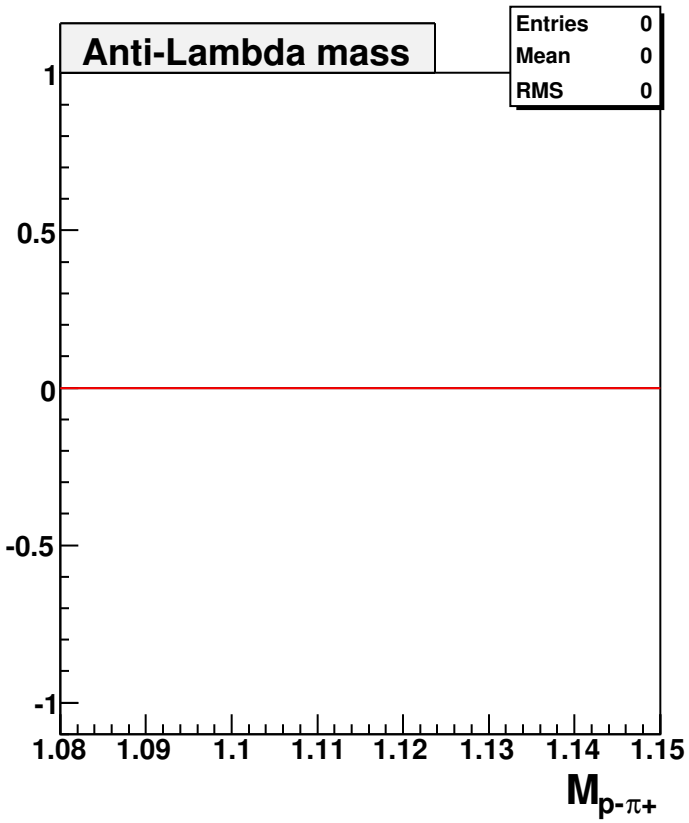


Vertices (Primary - best)

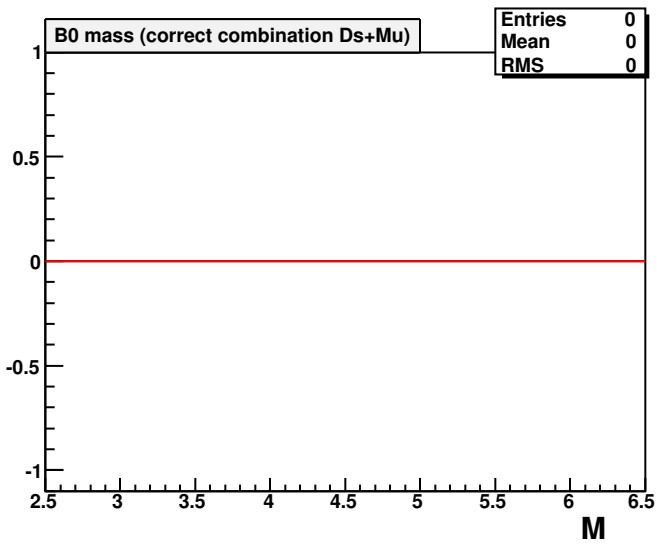

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

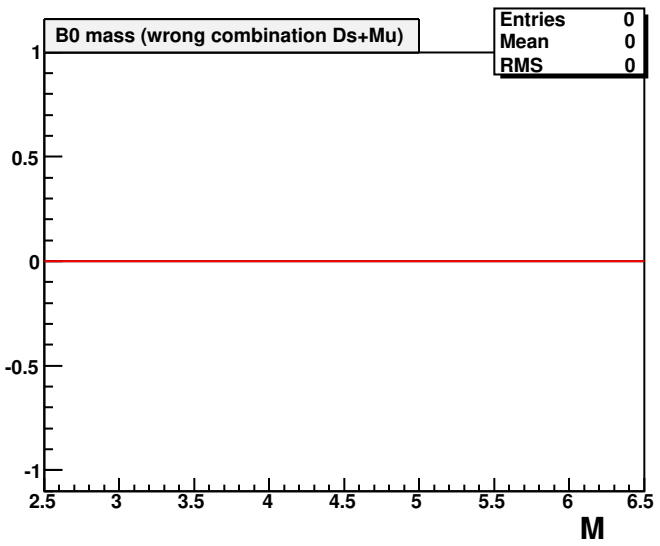

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

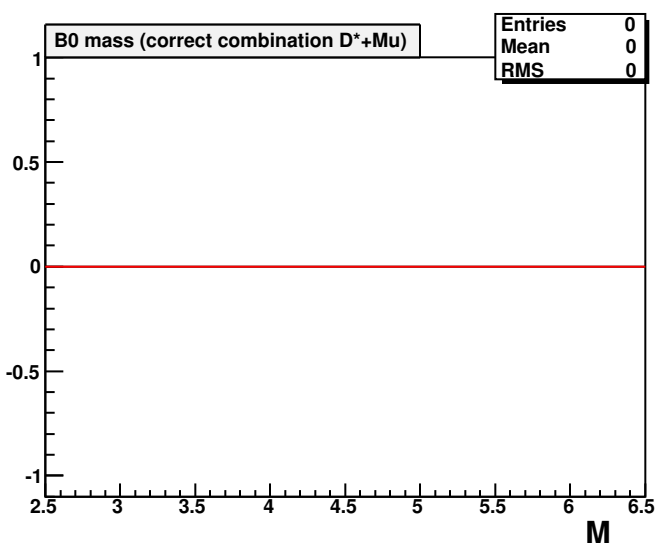

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

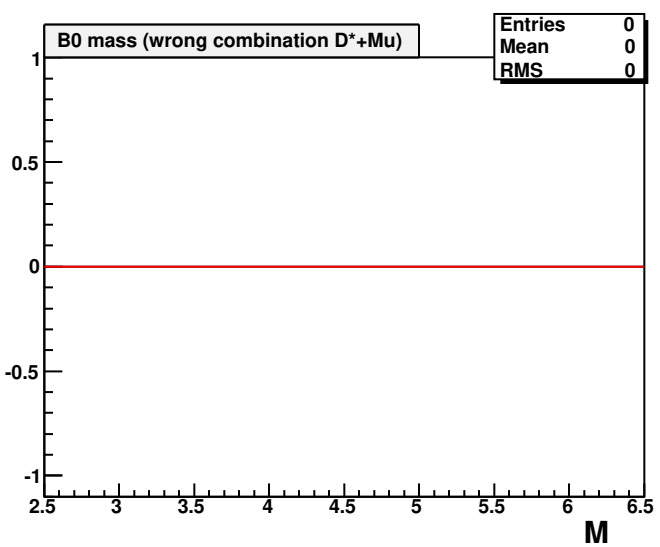

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

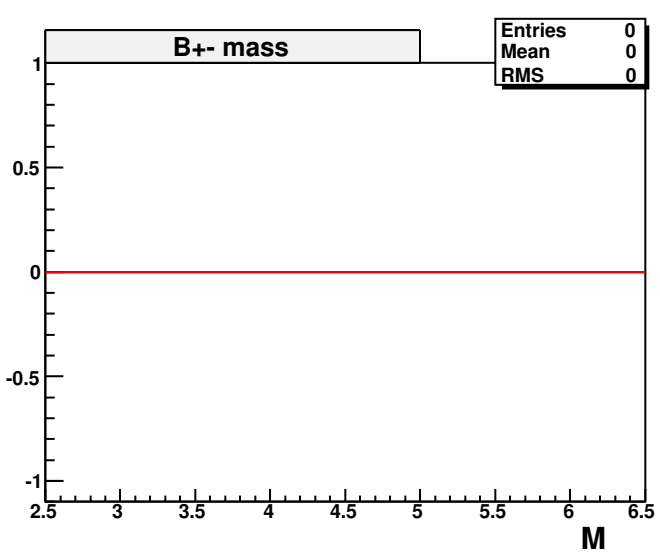
V0 (All)



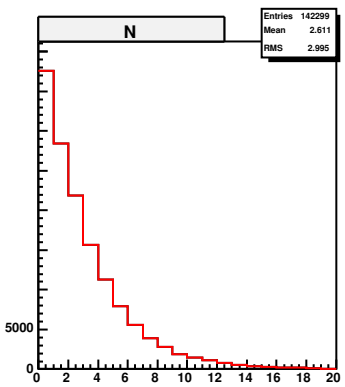


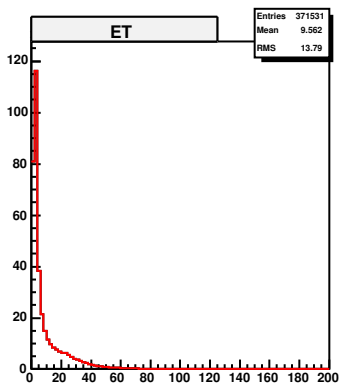


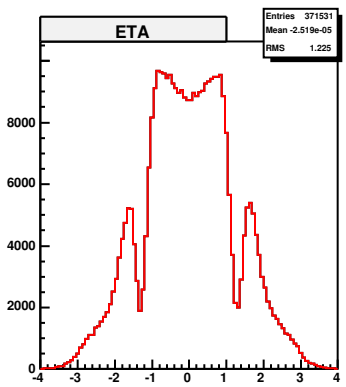


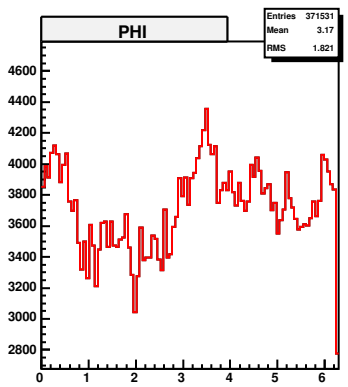


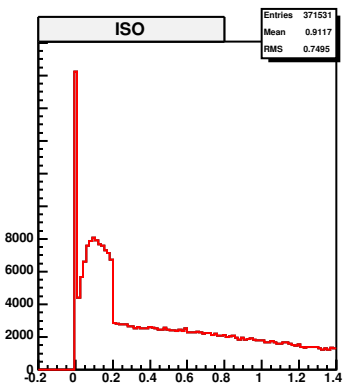
V0(B mesons) (All)

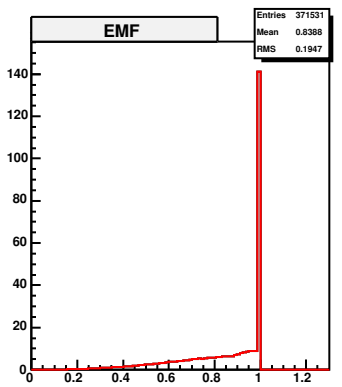


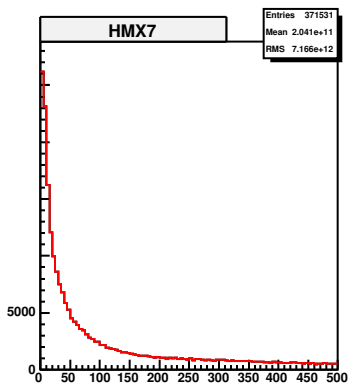


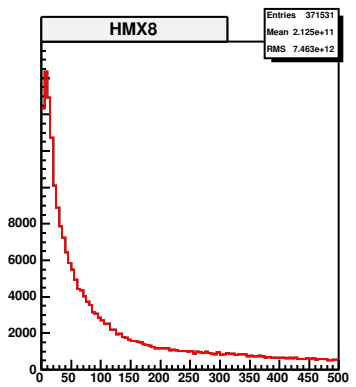


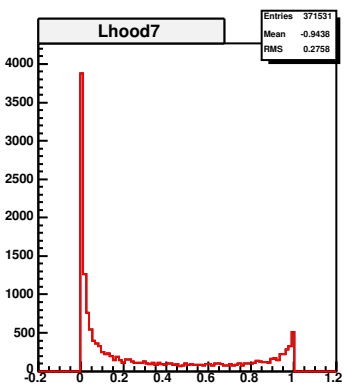


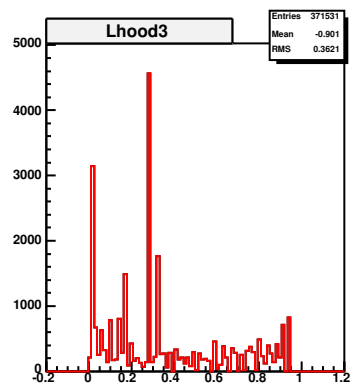


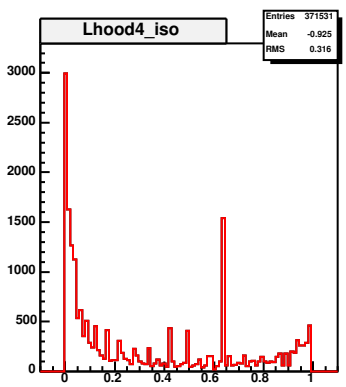


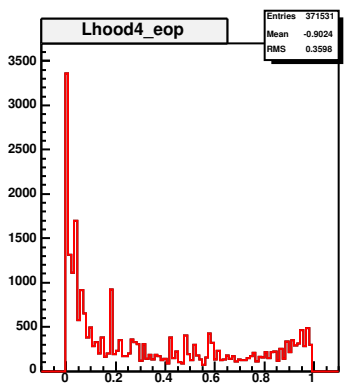


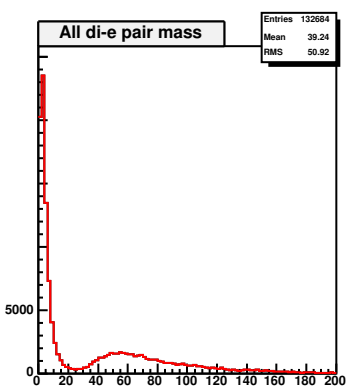


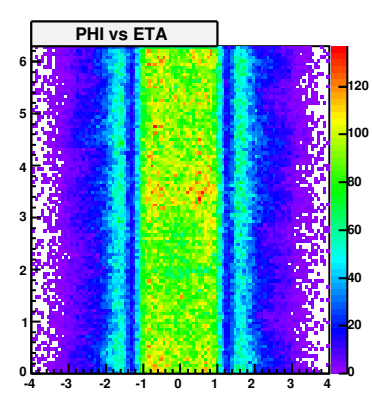


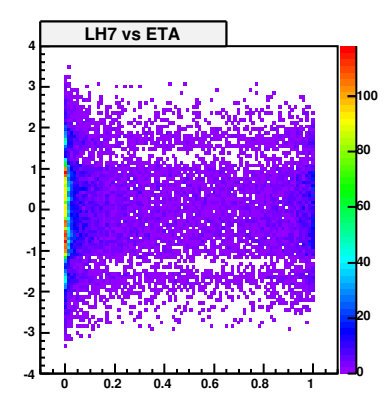


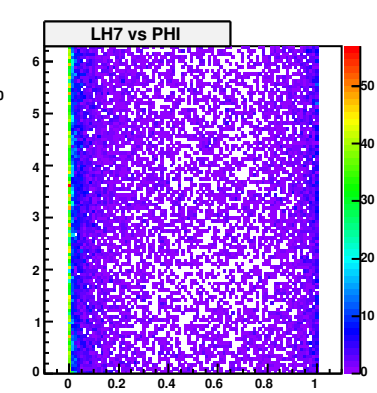




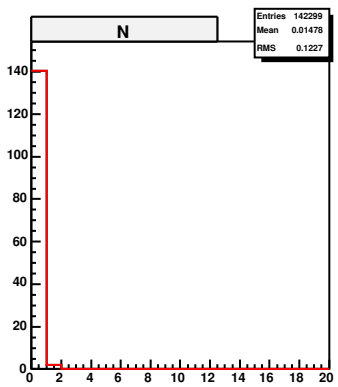


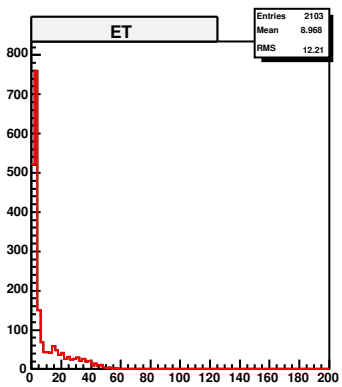


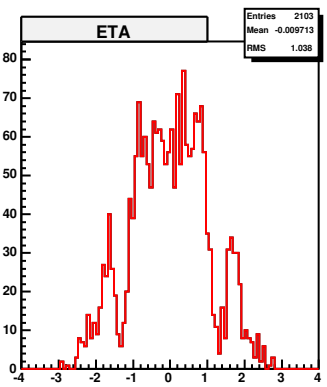


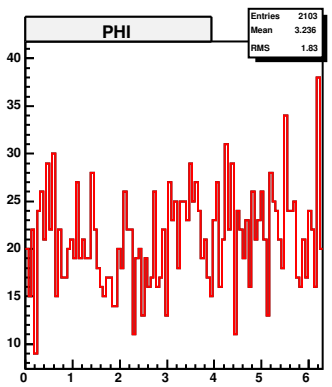


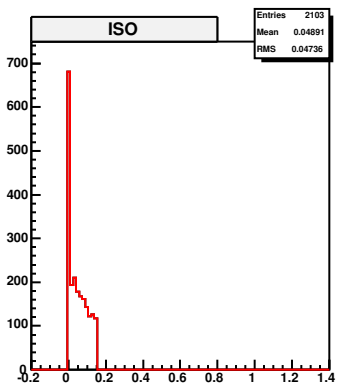
Electrons (SCONE All)

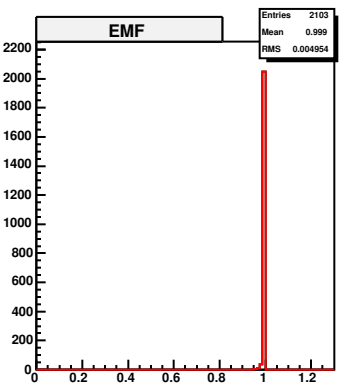


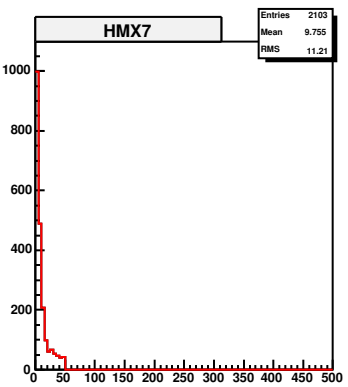


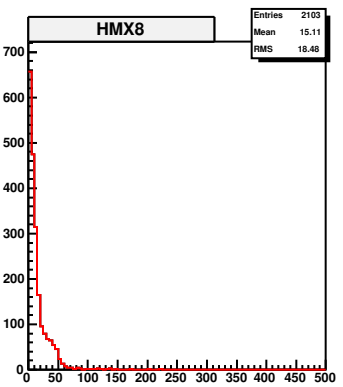


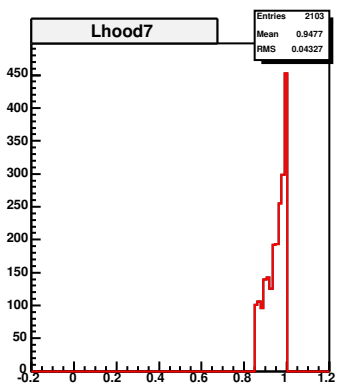


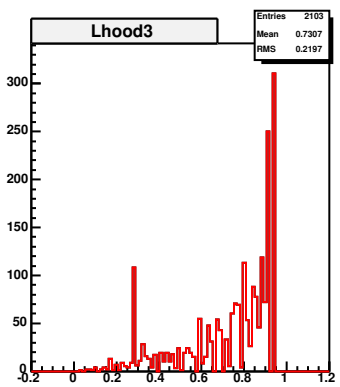


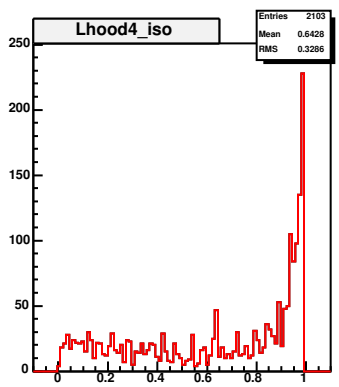


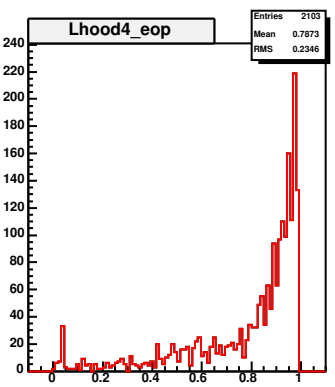


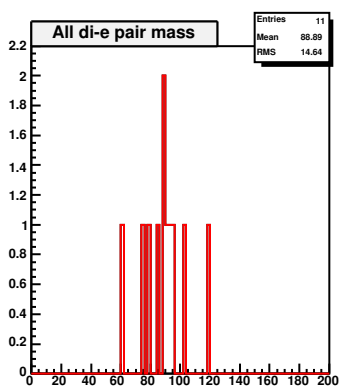


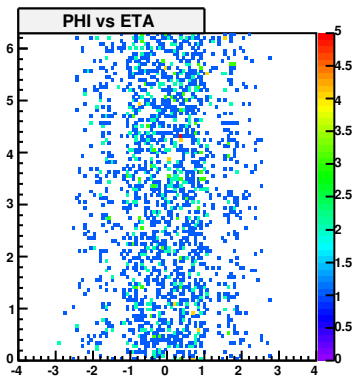


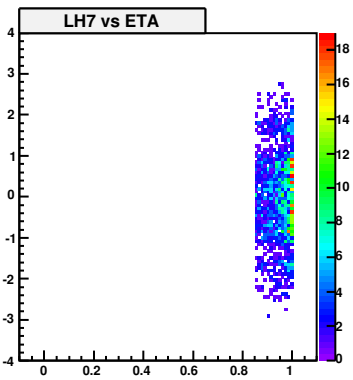


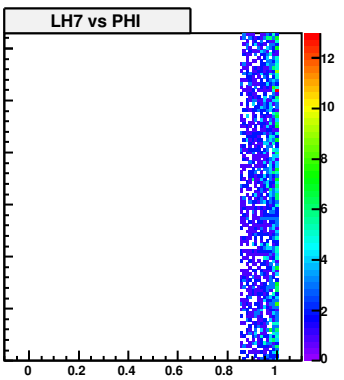




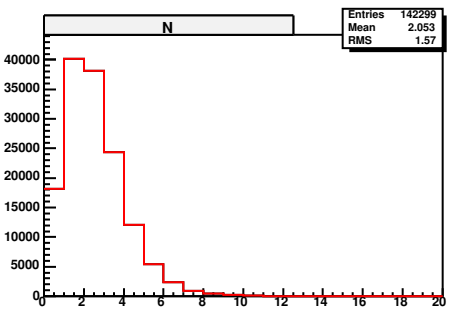


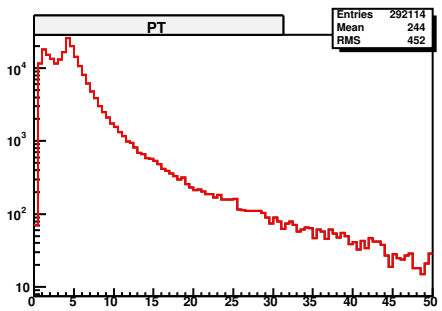


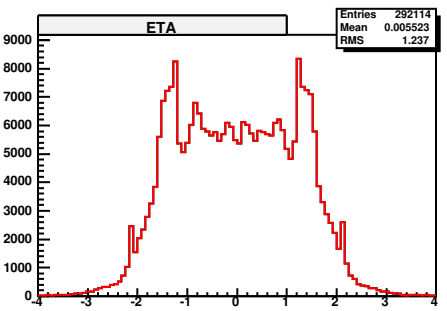


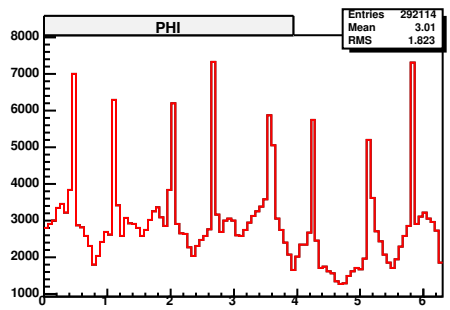


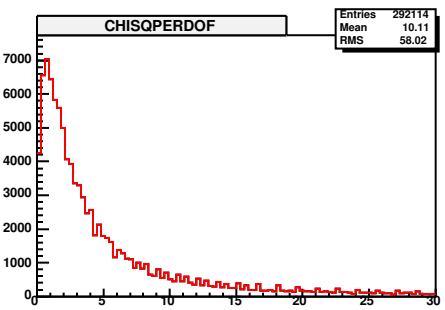
Electrons (SCONE Tight)

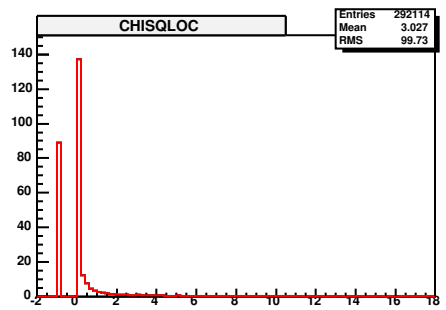

N
Entries 142299
Mean 2.053
RMS 1.57

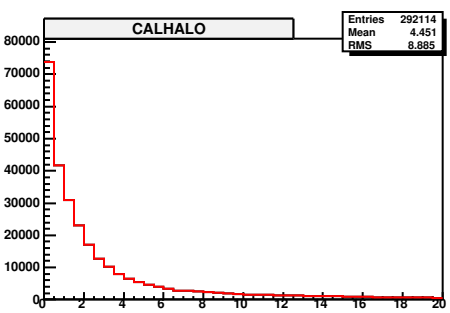

PT
Entries 292114
Mean 244
RMS 452

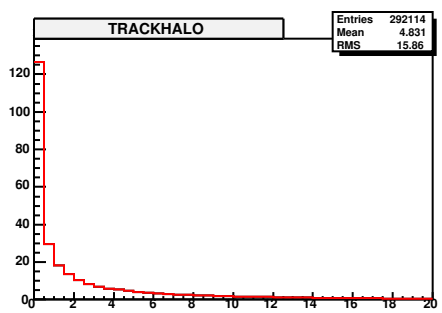

ETA
Entries 292114
Mean 0.005523
RMS 1.237

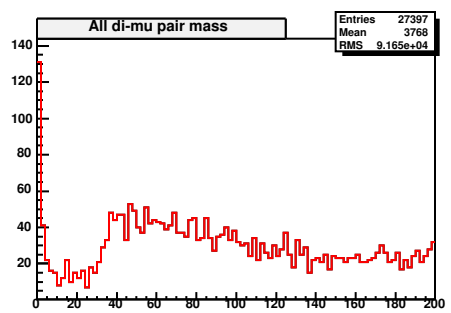

PHI
Entries 292114
Mean 3.01
RMS 1.823

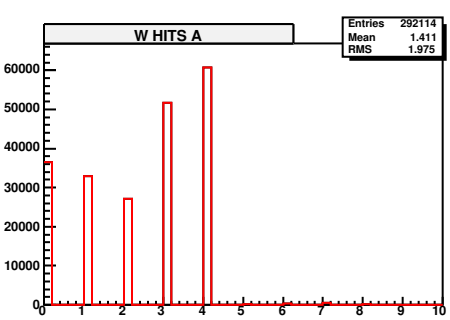

CHISQPERDOF
Entries 292114
Mean 10.11
RMS 58.02

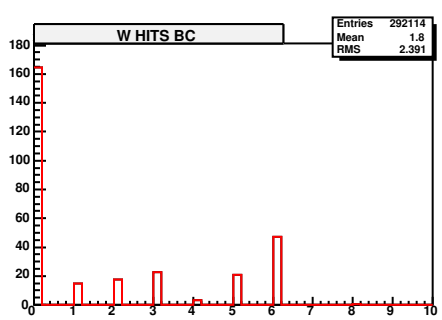

CHISQLOC
Entries 292114
Mean 3.027
RMS 99.73

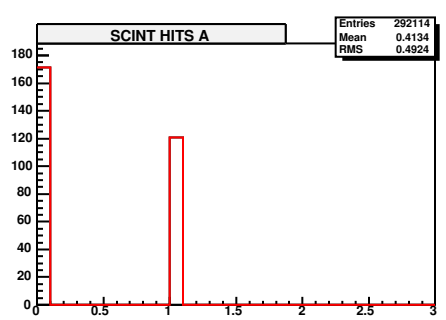

CALHALO
Entries 292114
Mean 4.451
RMS 8.885

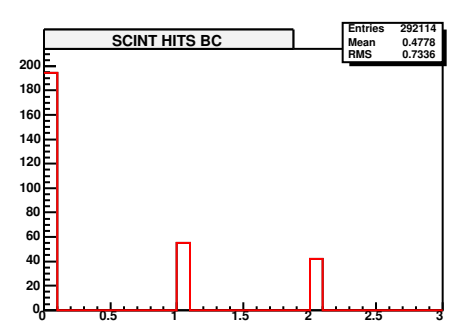

TRACKHALO
Entries 292114
Mean 4.831
RMS 15.86


All di-mu pair mass
Entries 27397
Mean 3768
RMS 9.165e+04

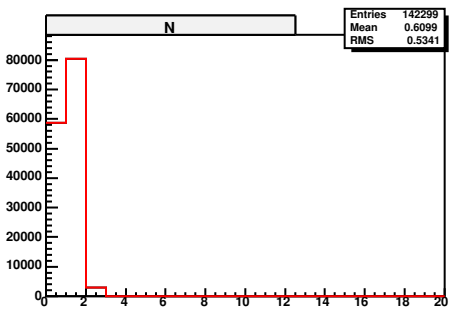

W HITS A
Entries 292114
Mean 1.411
RMS 1.975

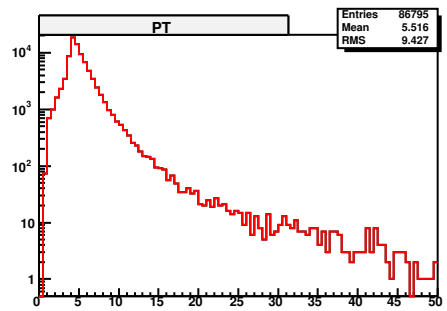

W HITS BC
Entries 292114
Mean 1.8
RMS 2.391

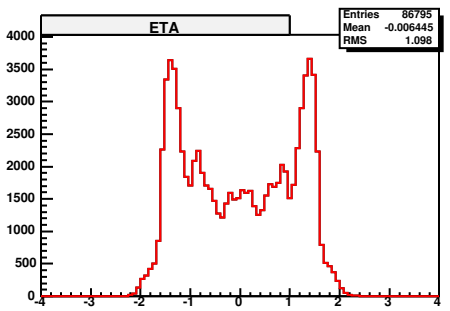

SCINT HITS A
Entries 292114
Mean 0.4134
RMS 0.4924

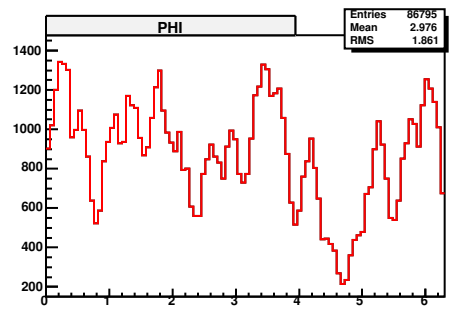

SCINT HITS BC
Entries 292114
Mean 0.4778
RMS 0.7336

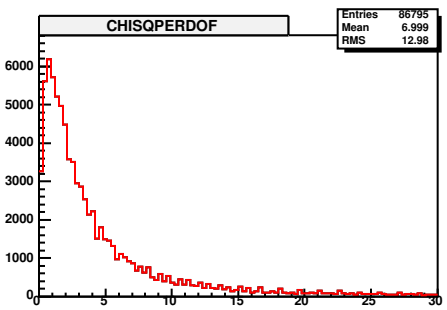
Muons (All)

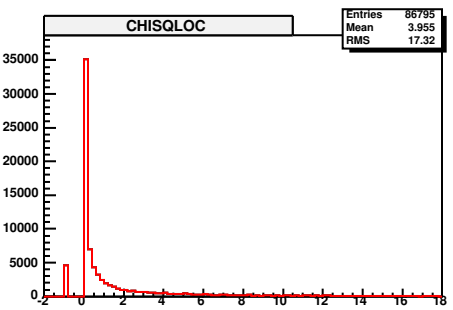


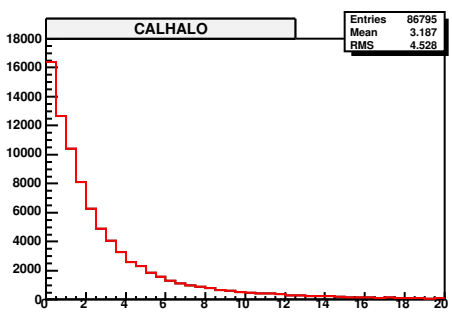


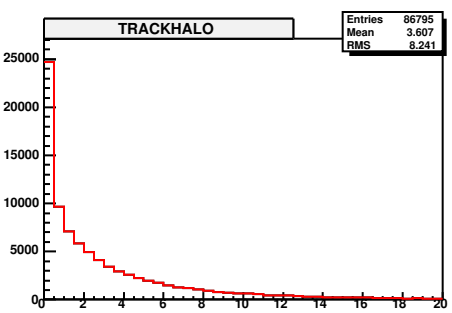


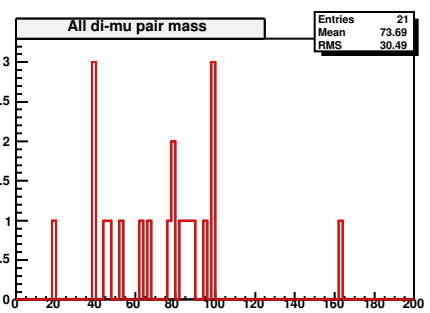


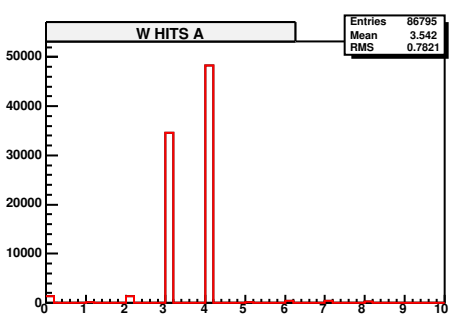


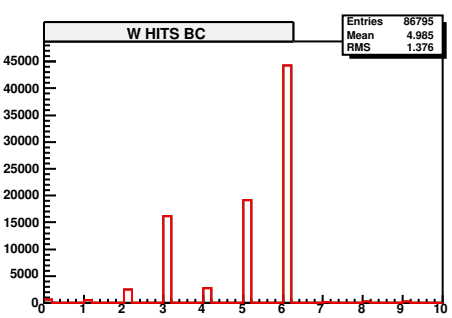


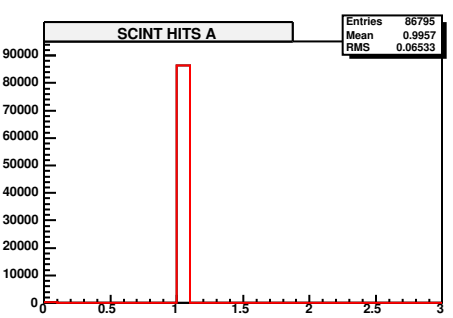


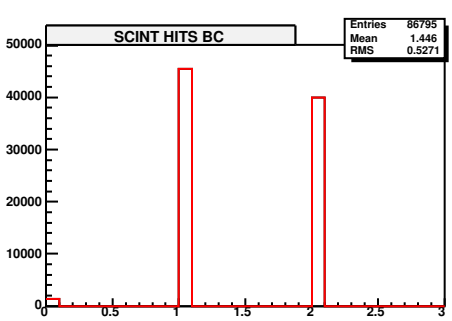




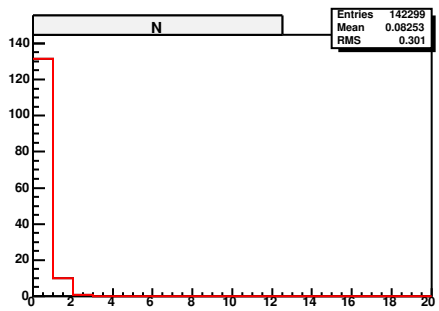


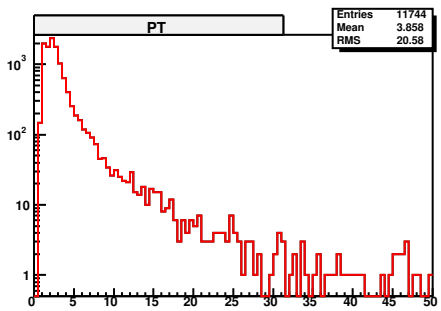


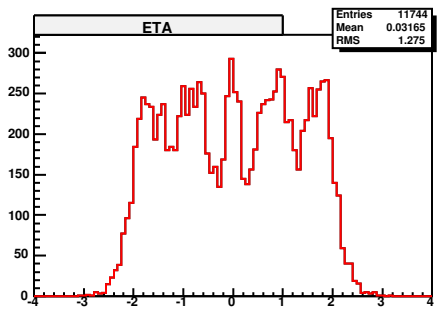


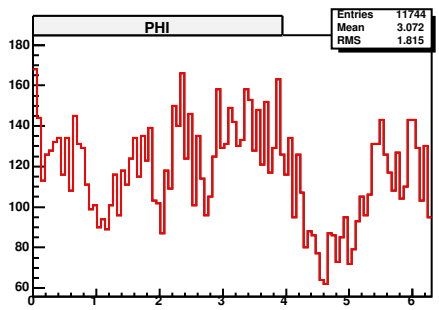


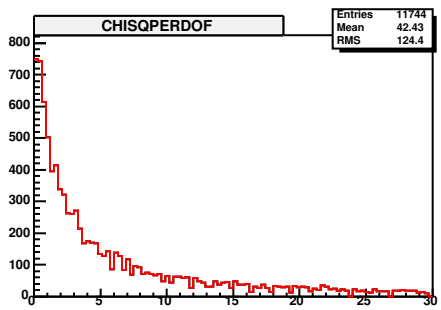
Muons (Matched)

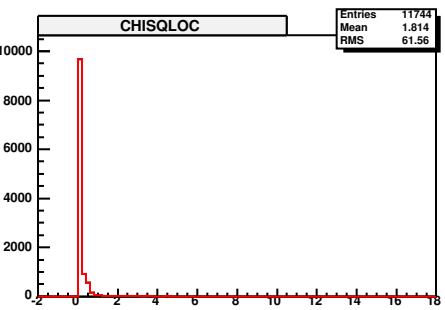

N
Entries 142299
Mean 0.08253
RMS 0.301

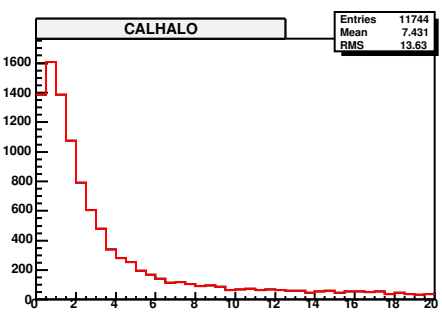

PT
Entries 11744
Mean 3.858
RMS 20.58

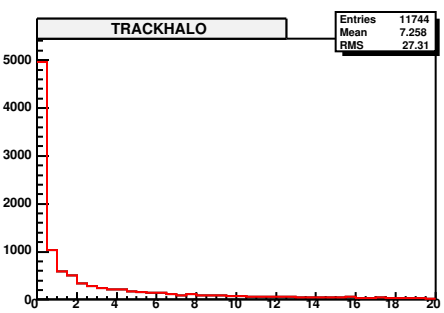

ETA
Entries 11744
Mean 0.03165
RMS 1.275

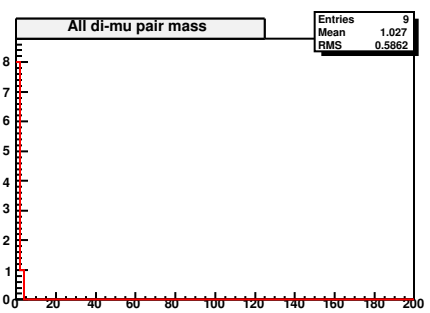

PHI
Entries 11744
Mean 3.072
RMS 1.815

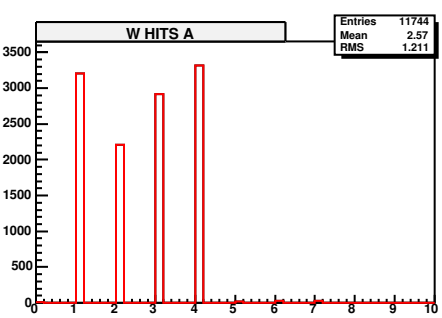

CHISQPERDOF
Entries 11744
Mean 42.43
RMS 124.4

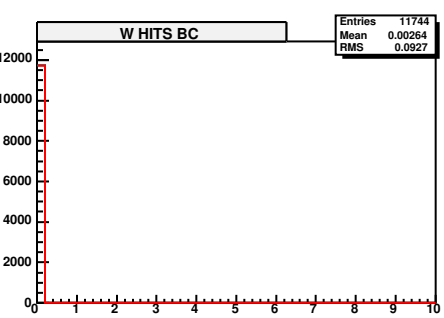

CHISQLOC
Entries 11744
Mean 1.814
RMS 61.56

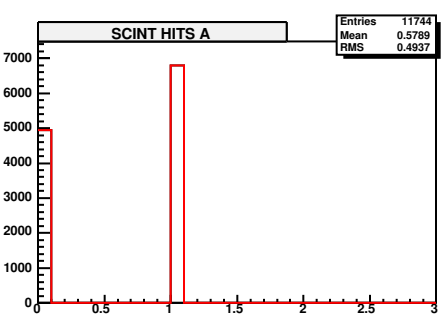

CALHALO
Entries 11744
Mean 7.431
RMS 13.63

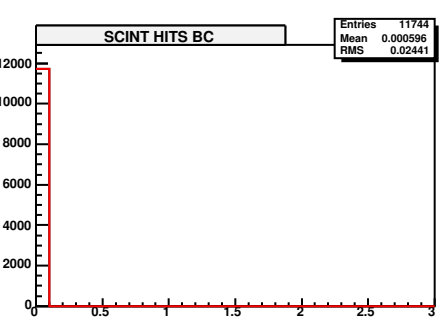

TRACKHALO
Entries 11744
Mean 7.258
RMS 27.31


All di-mu pair mass
Entries 9
Mean 1.027
RMS 0.5862

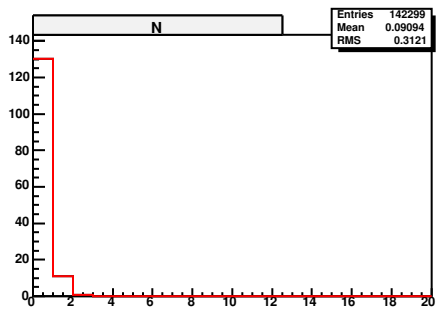

W HITS A
Entries 11744
Mean 2.57
RMS 1.211

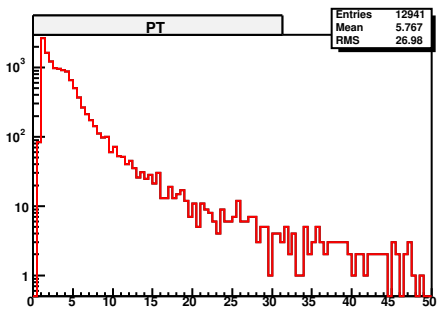

W HITS BC
Entries 11744
Mean 0.00264
RMS 0.0927

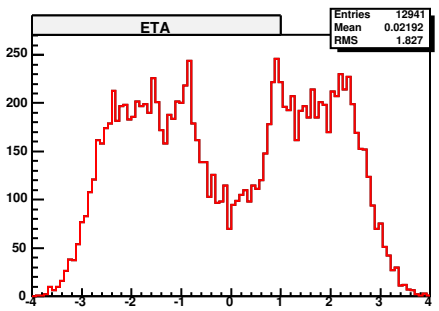

SCINT HITS A
Entries 11744
Mean 0.5789
RMS 0.4937

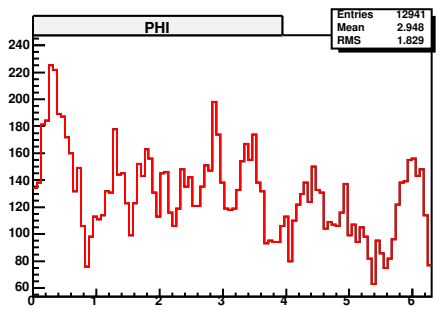

SCINT HITS BC
Entries 11744
Mean 0.000596
RMS 0.02441

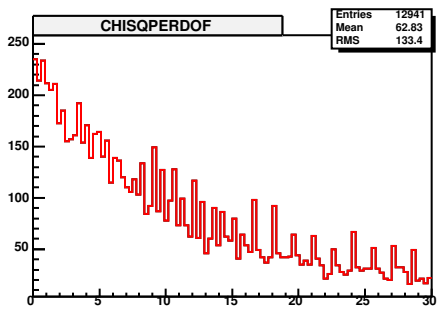
Muons (Astub)

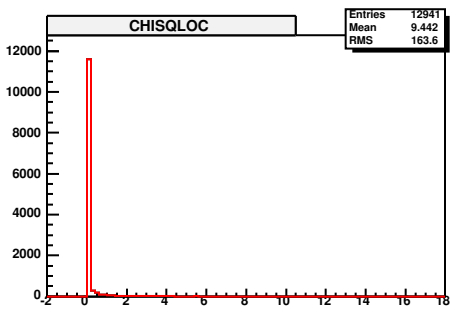


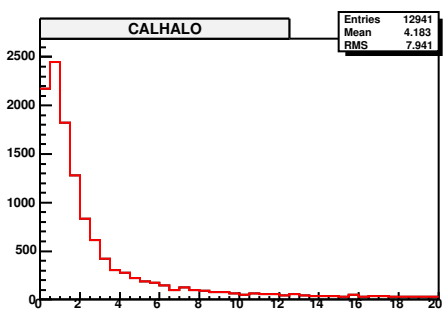


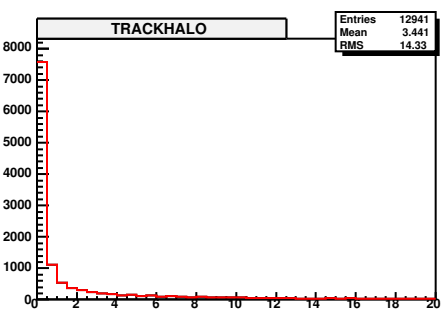


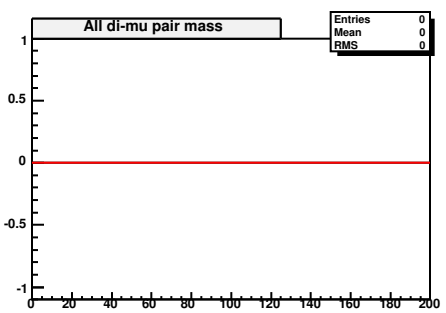


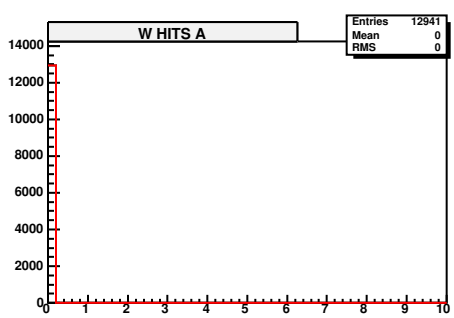


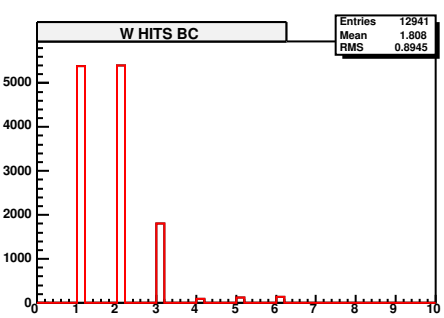


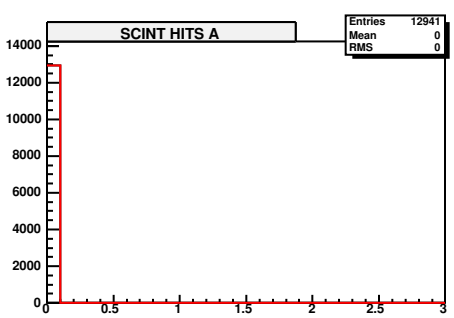


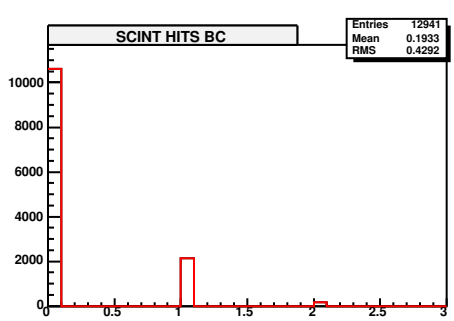




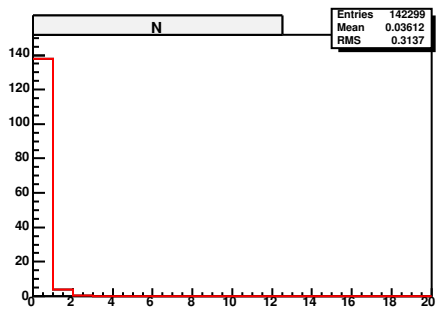


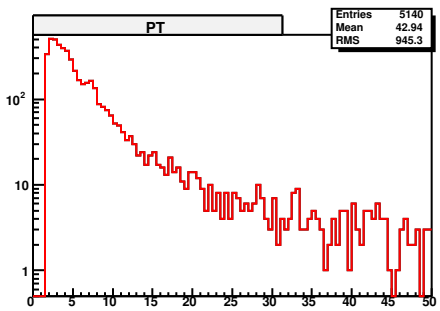


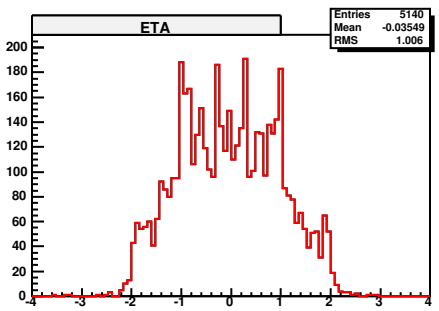


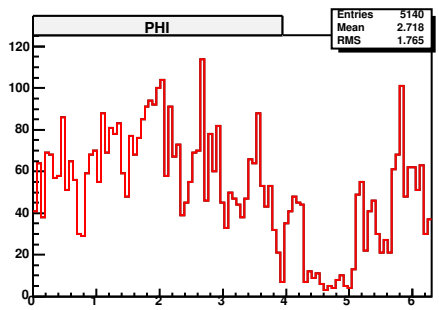


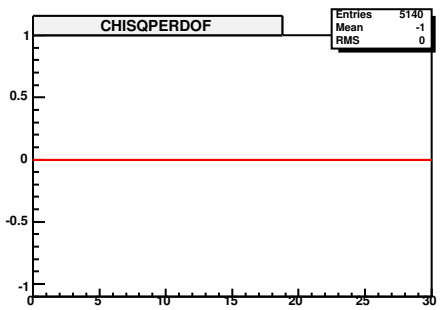
Muons (BCstub)

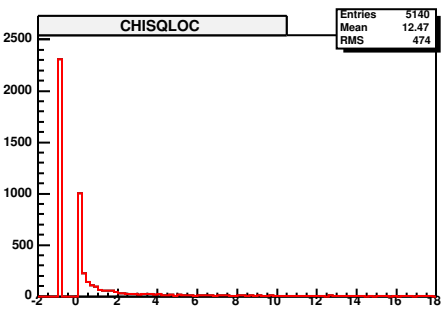


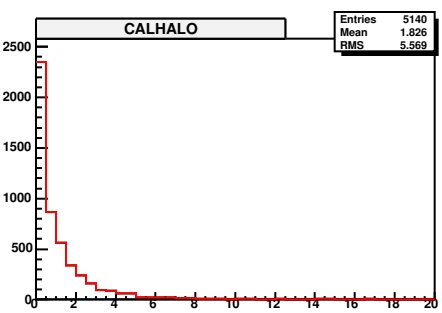


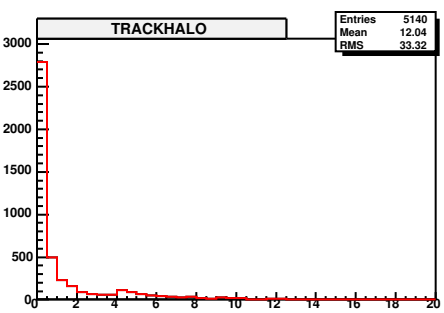


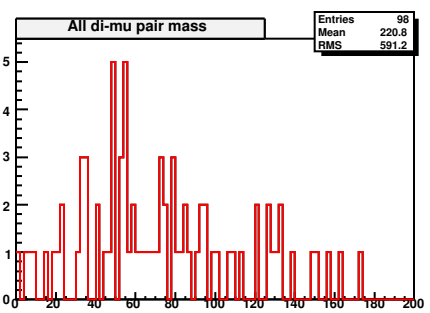


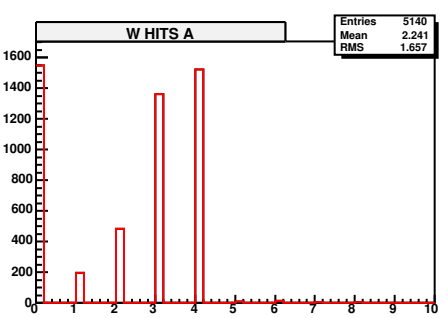


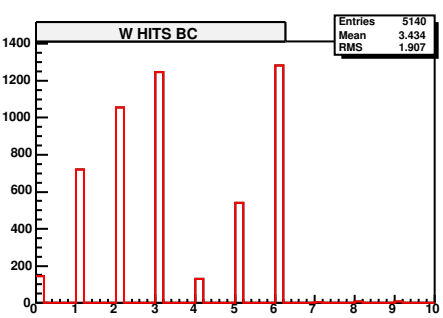


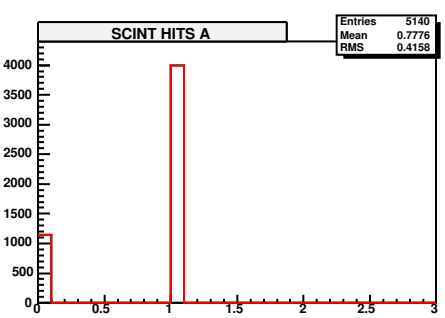


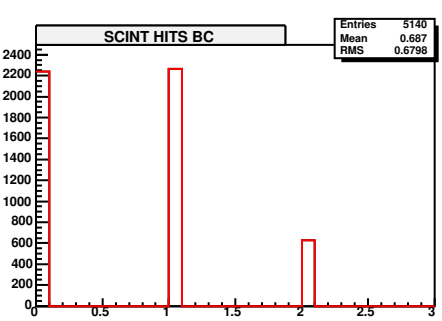




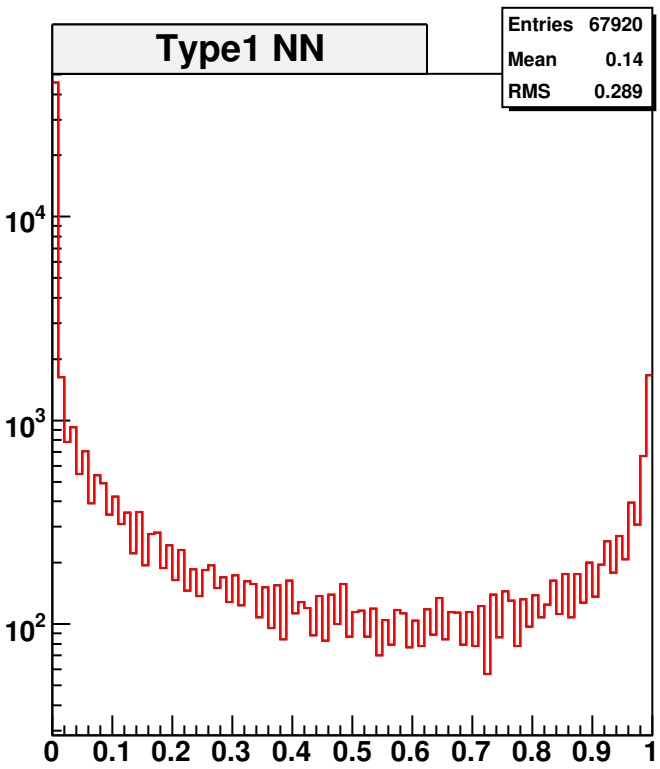


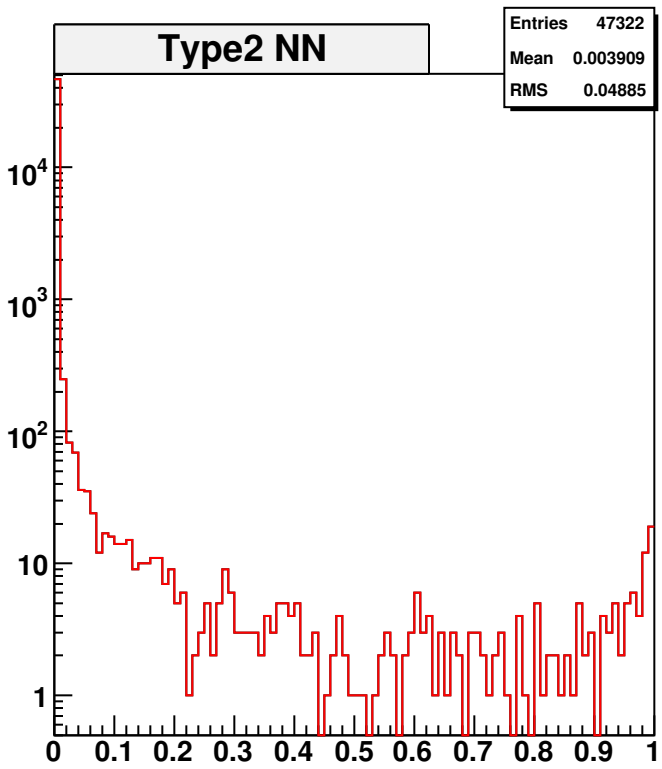


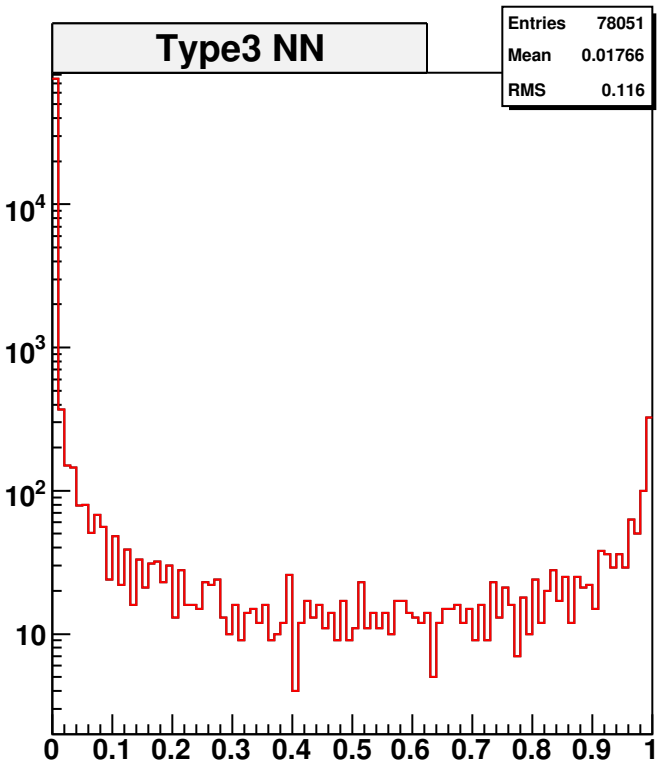


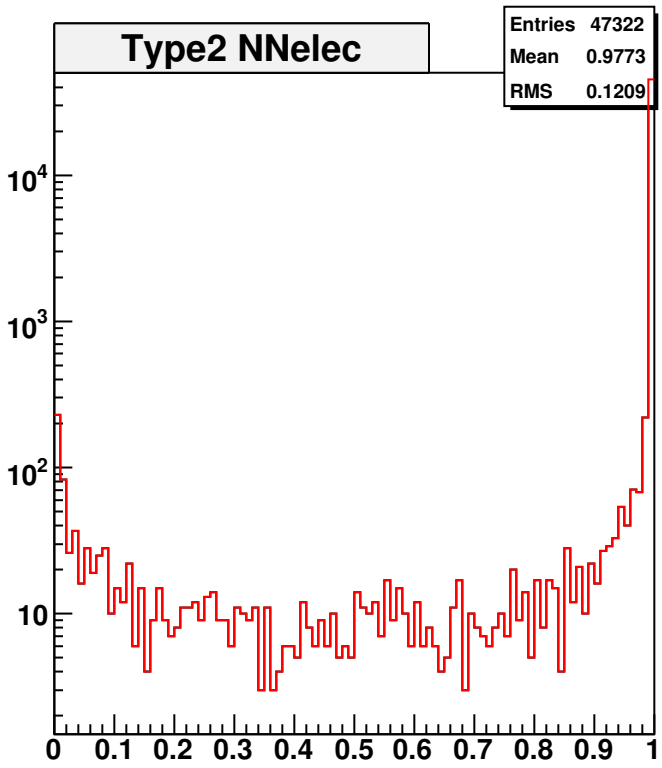


Muons (Unmatched)

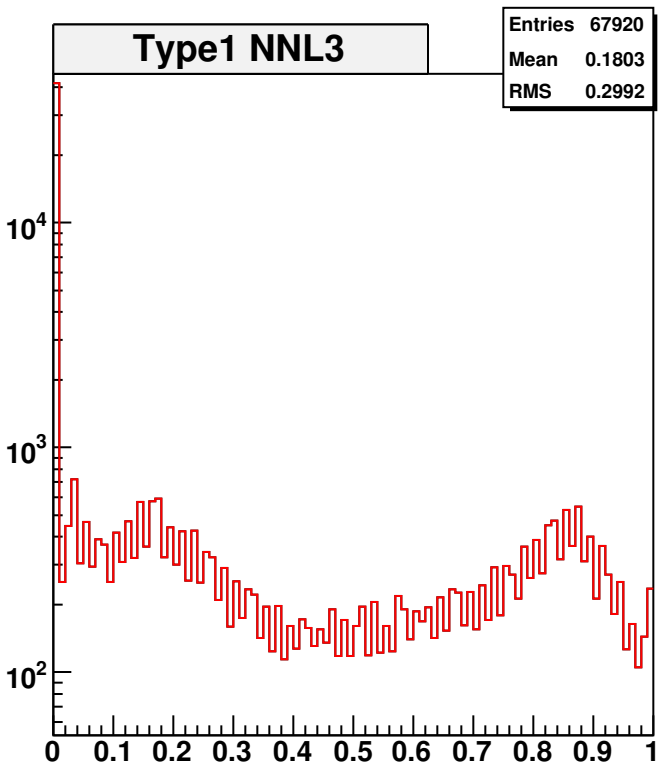


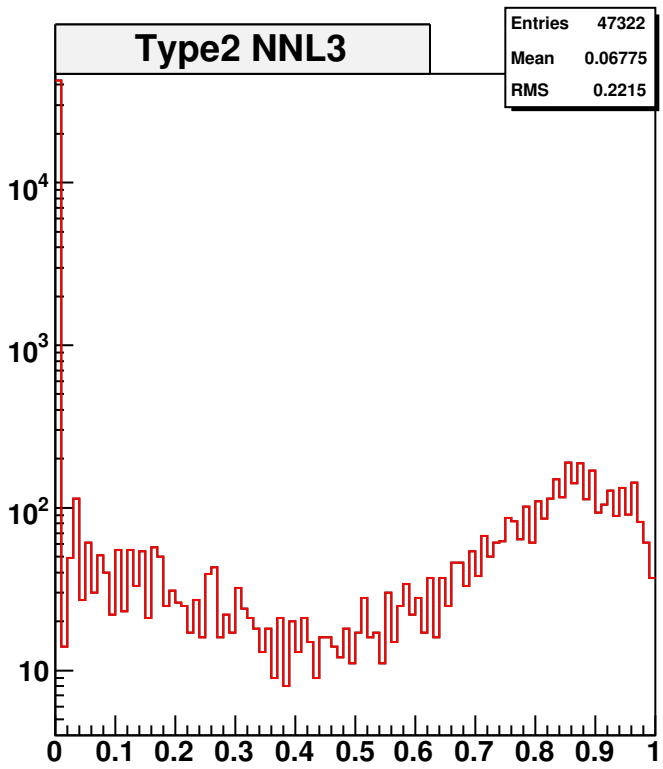


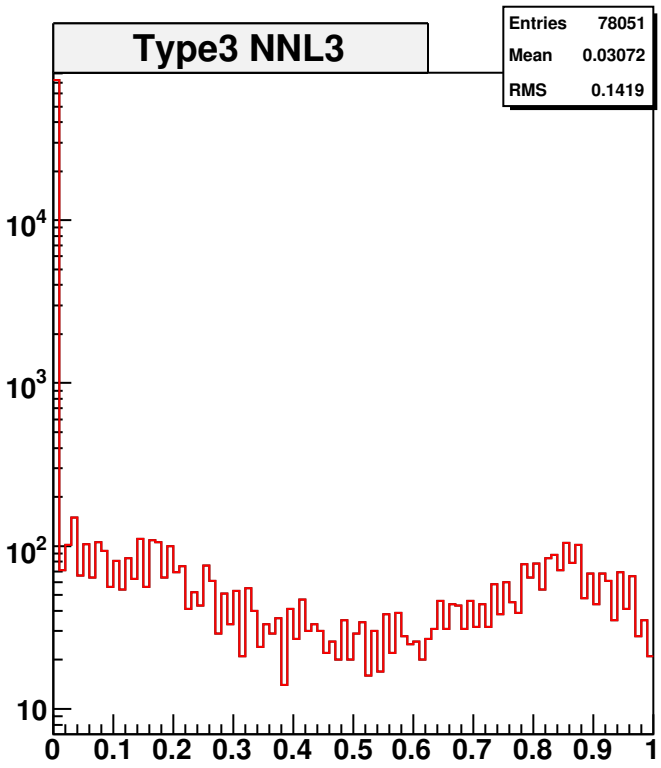


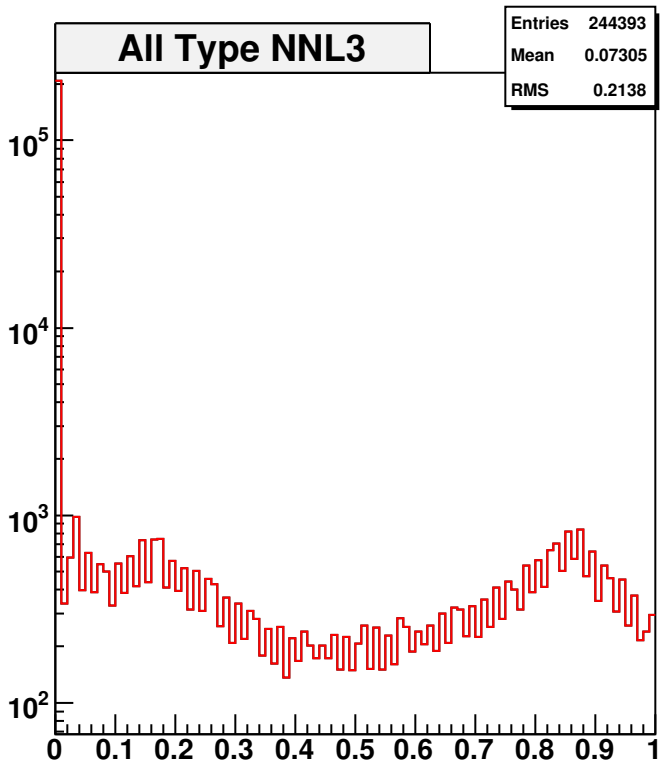


Taus NN (TAU All)

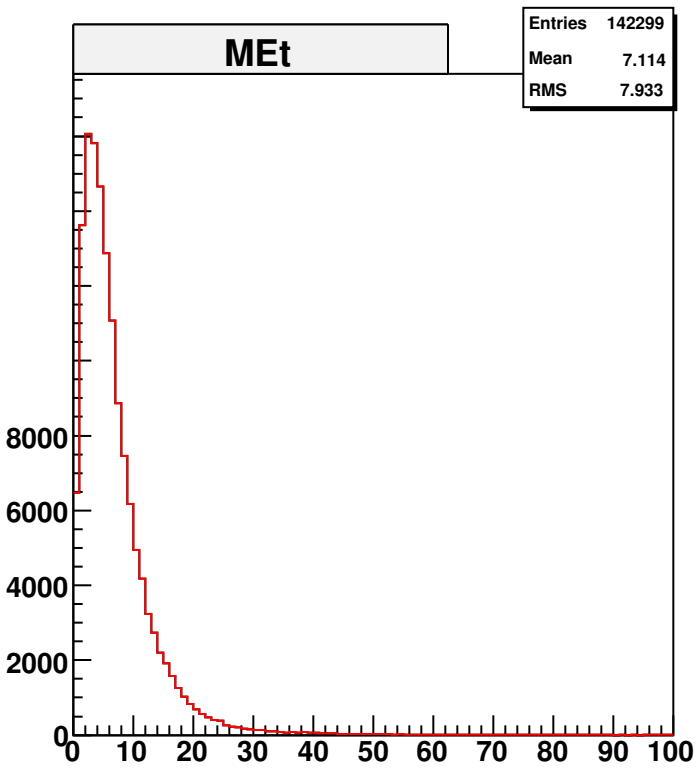


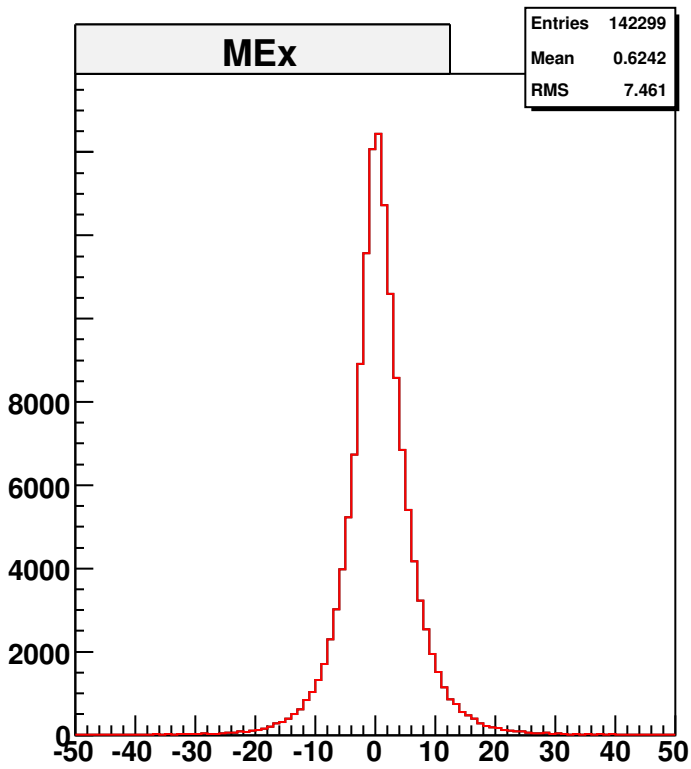






Taus NNL3 (TAU All)


MEt
Entries 142299
Mean 7.114
RMS 7.933
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
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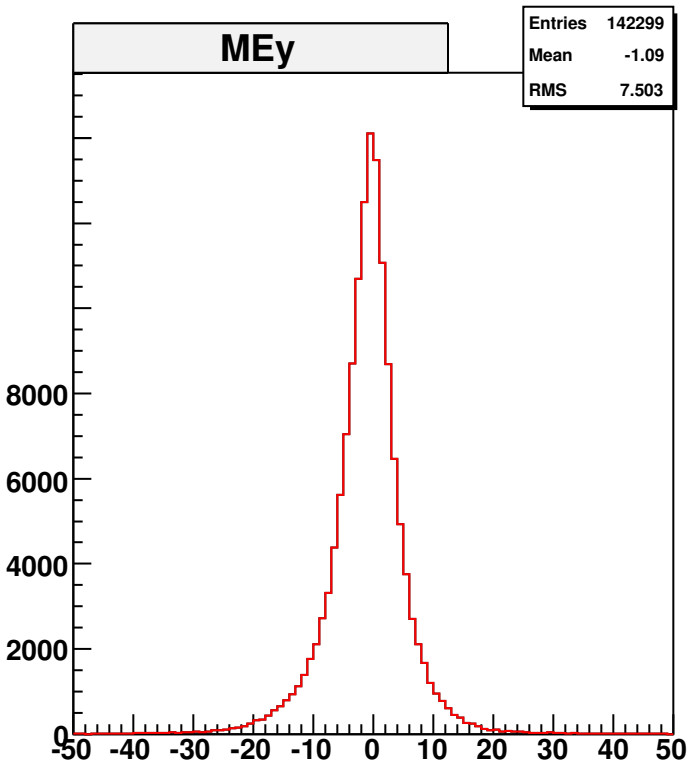
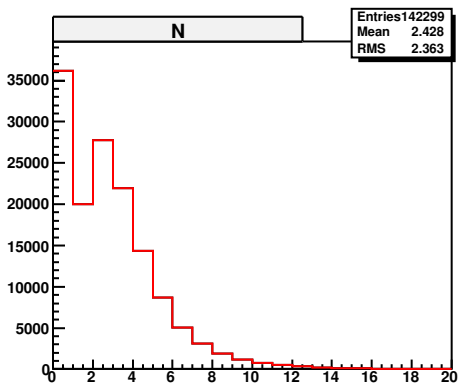
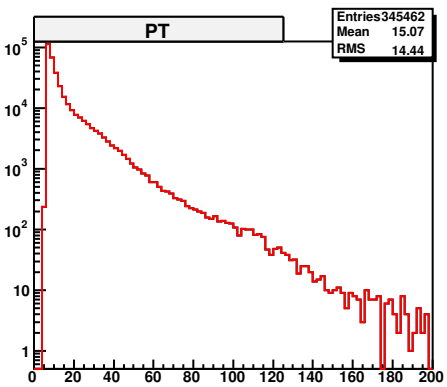
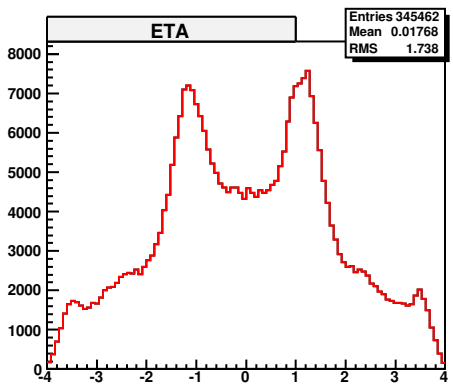
Mean 0.6242
RMS 7.461
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

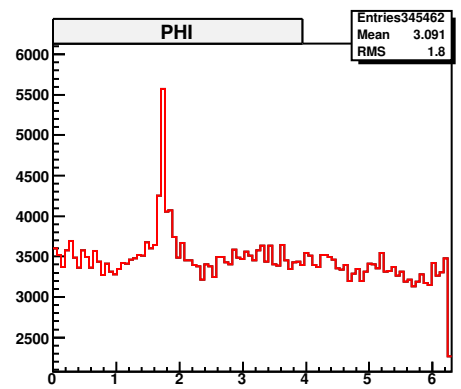

MEy
Entries 142299
Mean -1.09
RMS 7.503
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

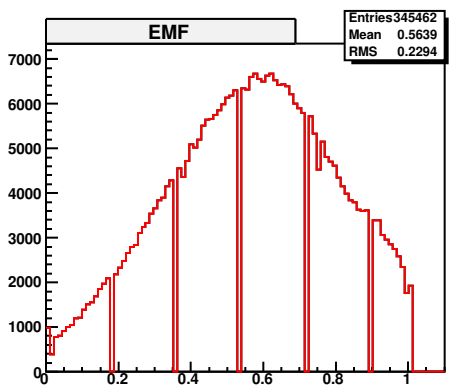
Met (No cuts)

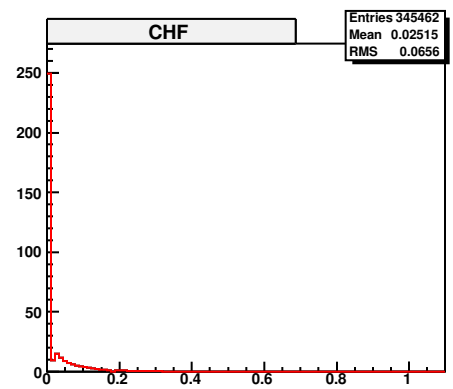


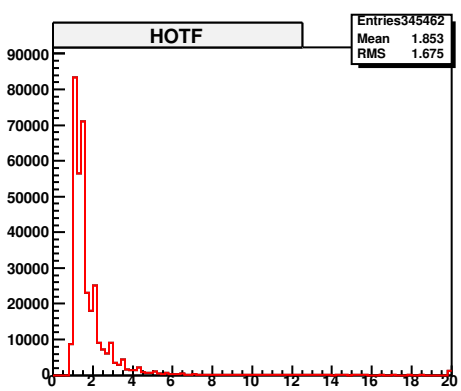


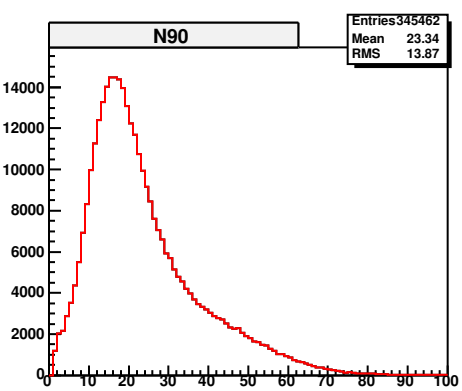


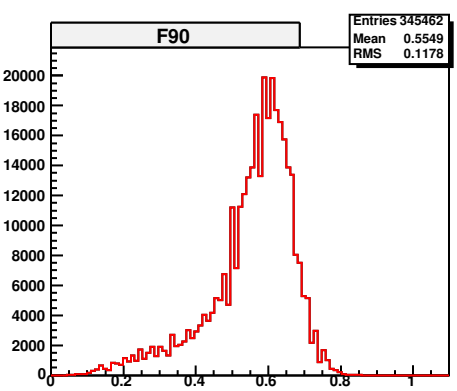


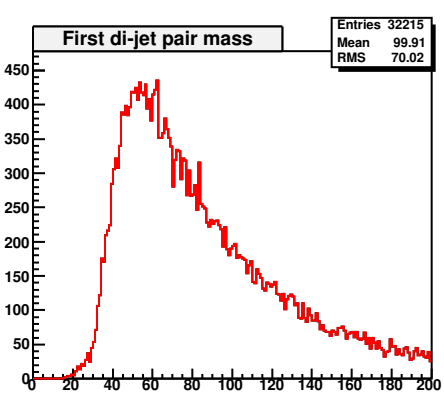


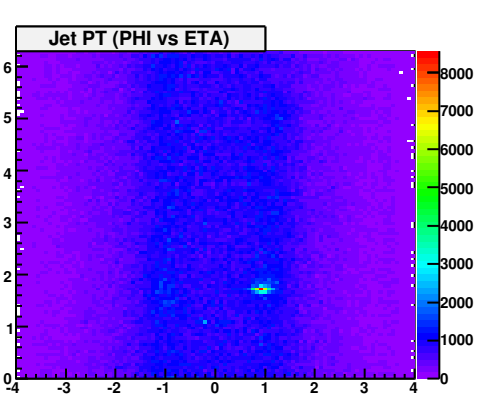




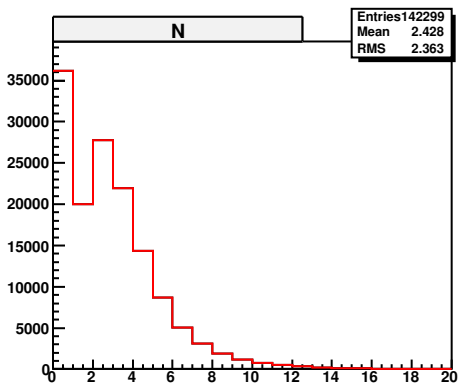


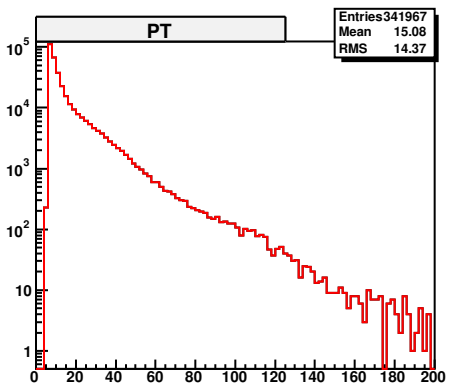


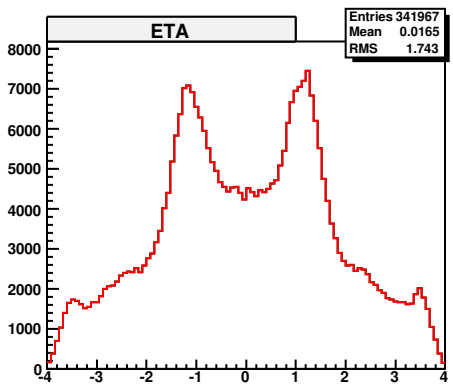


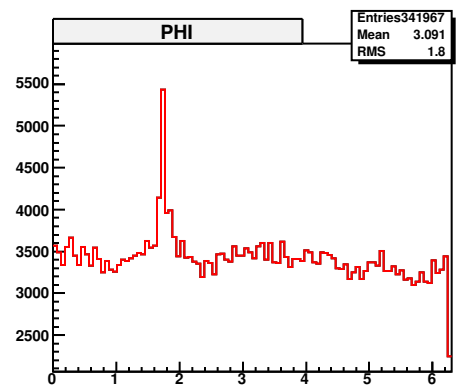


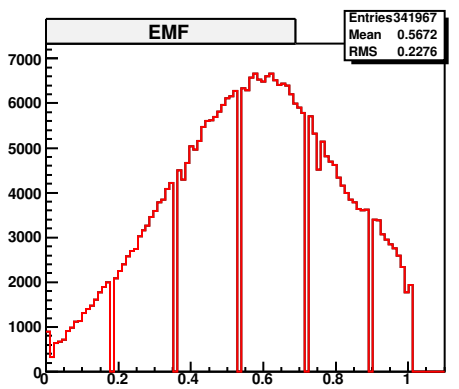
Jets (Cone R 0.7 (no cuts))

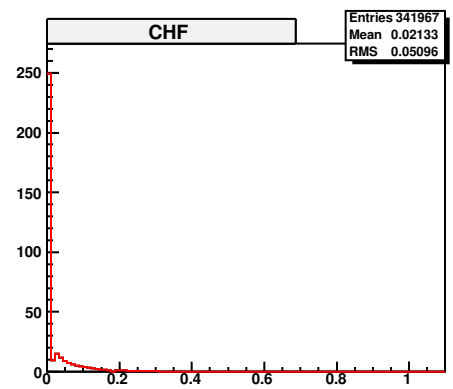


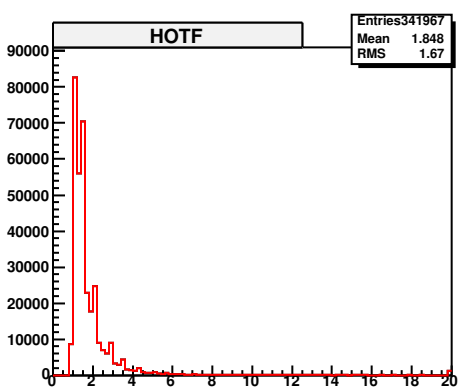


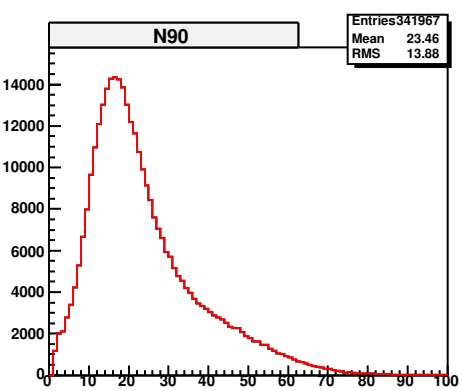


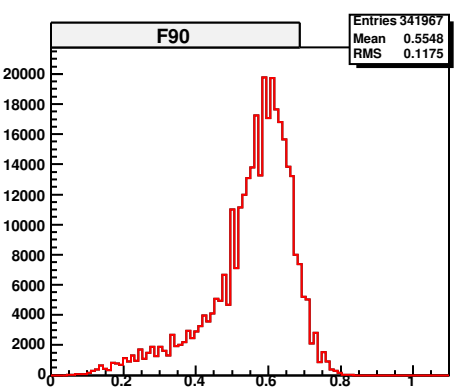


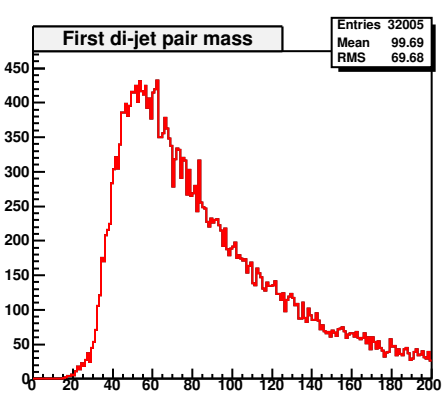


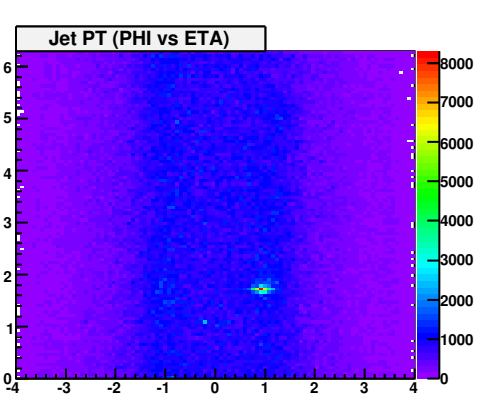




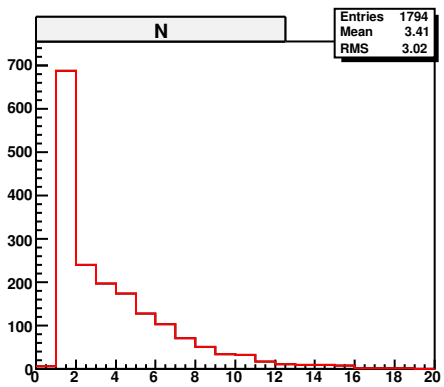


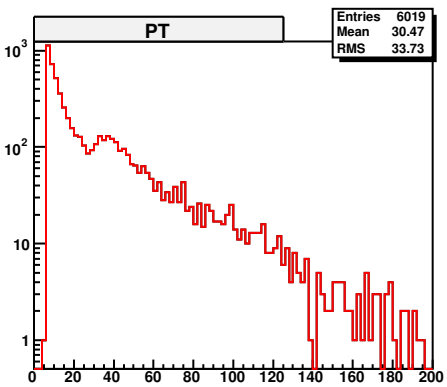


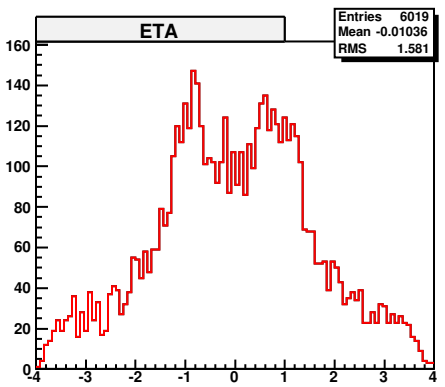


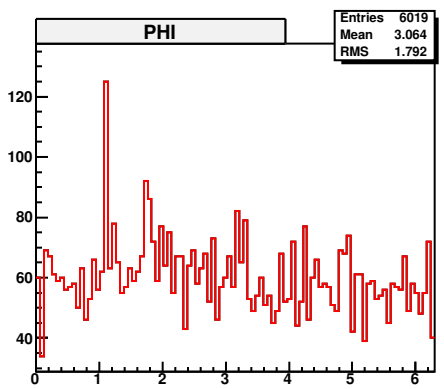


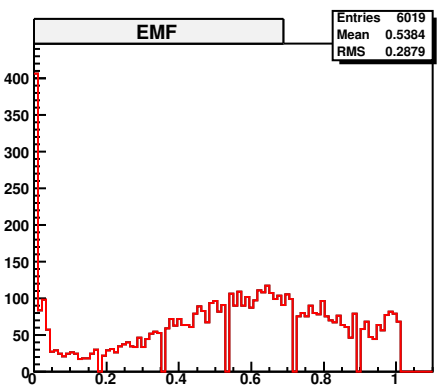
Jets (Cone R 0.7 (standard cuts))

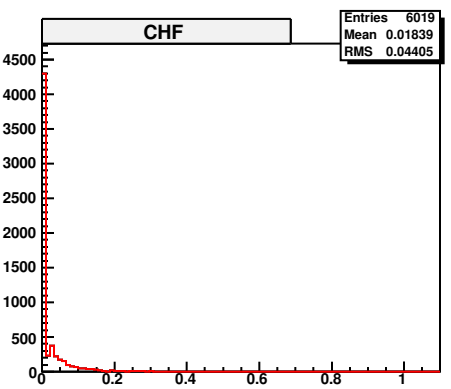


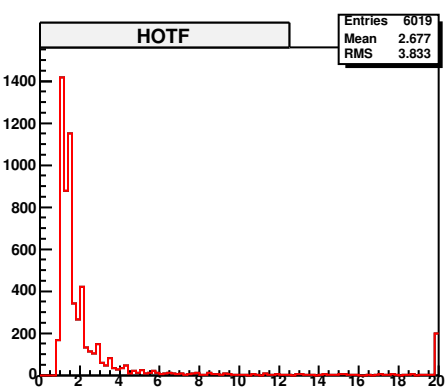


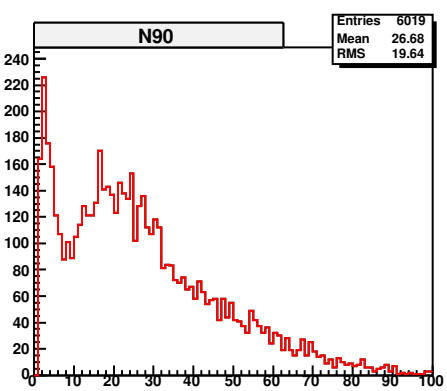


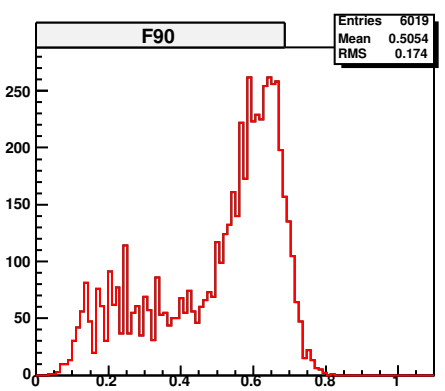


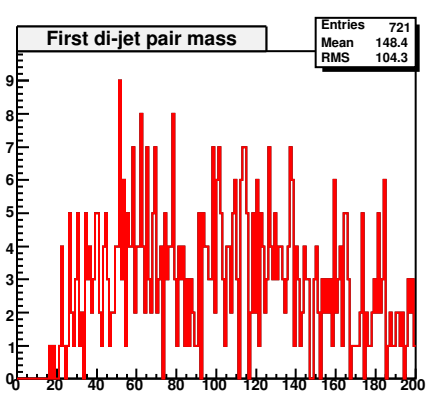


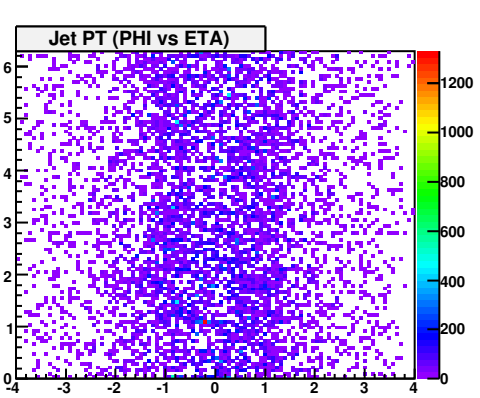




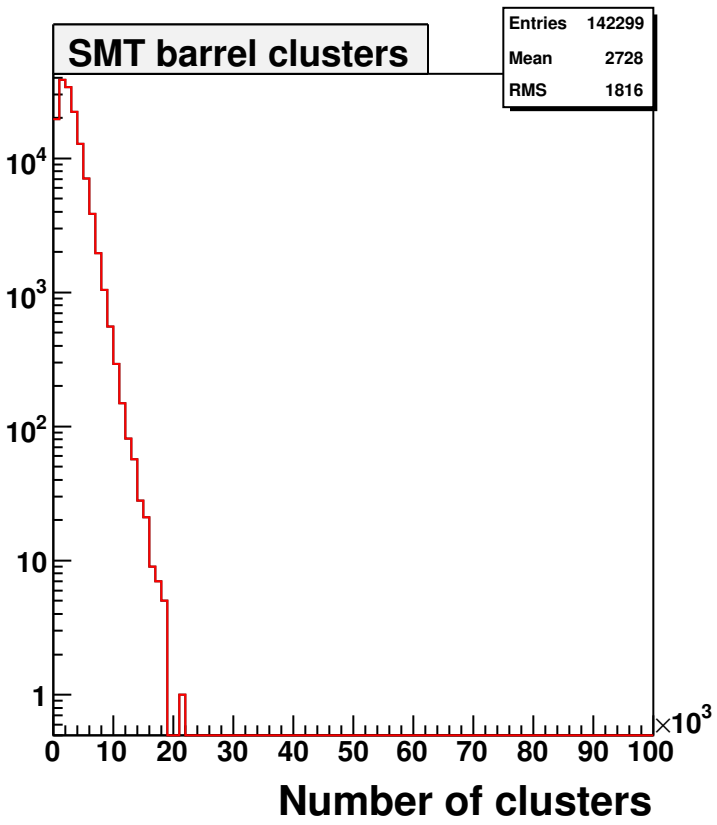


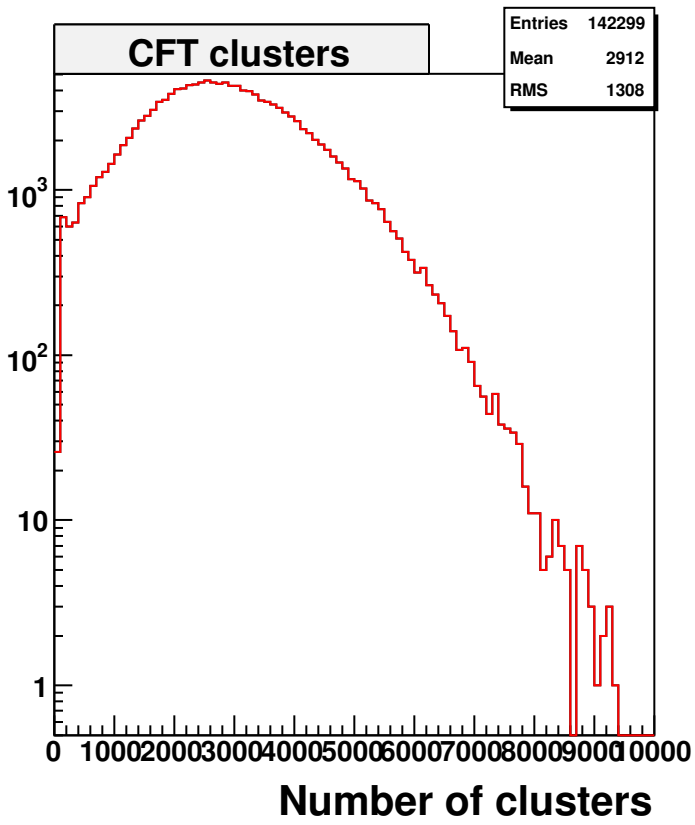


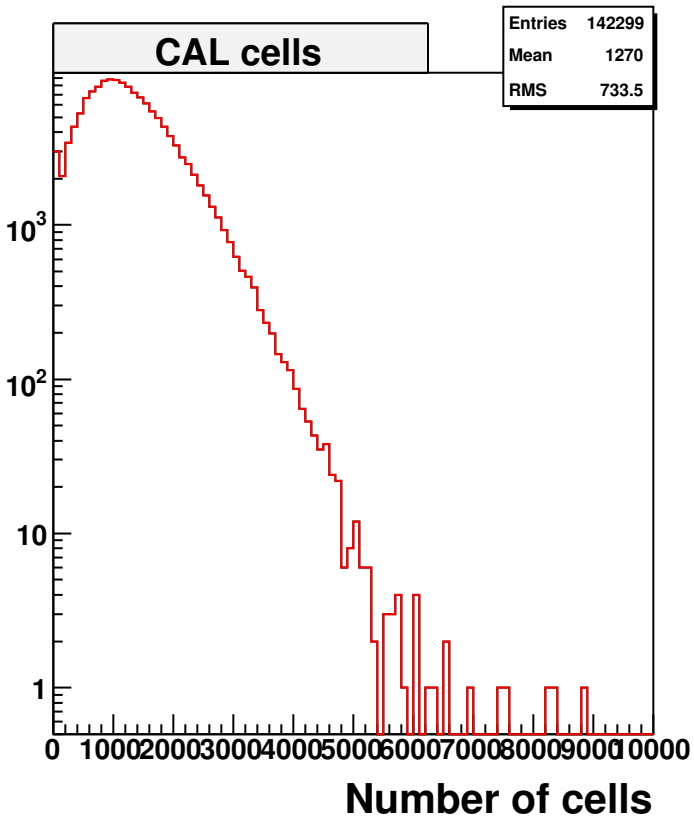


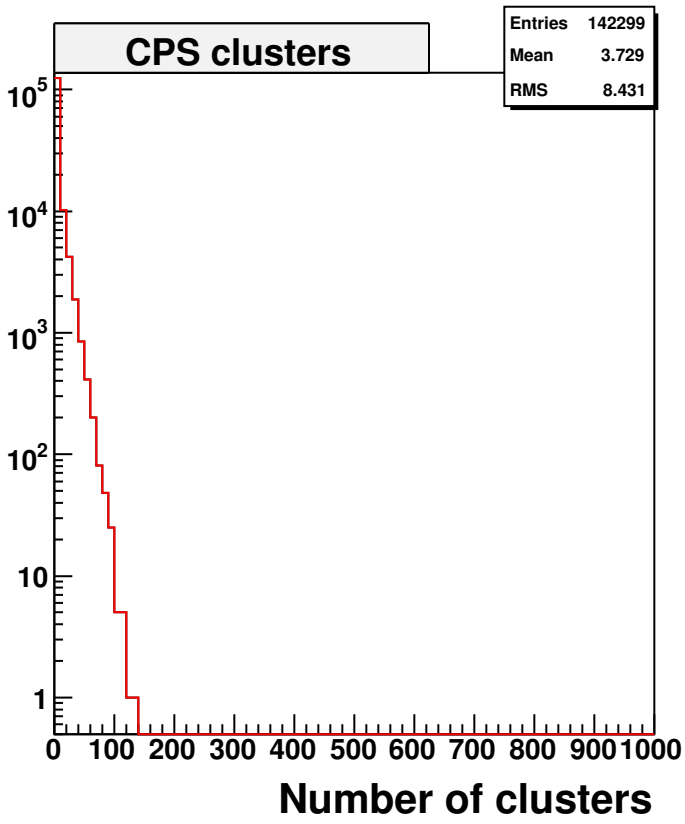


Jets (Cone R 0.7 (standard cuts, MET>30))

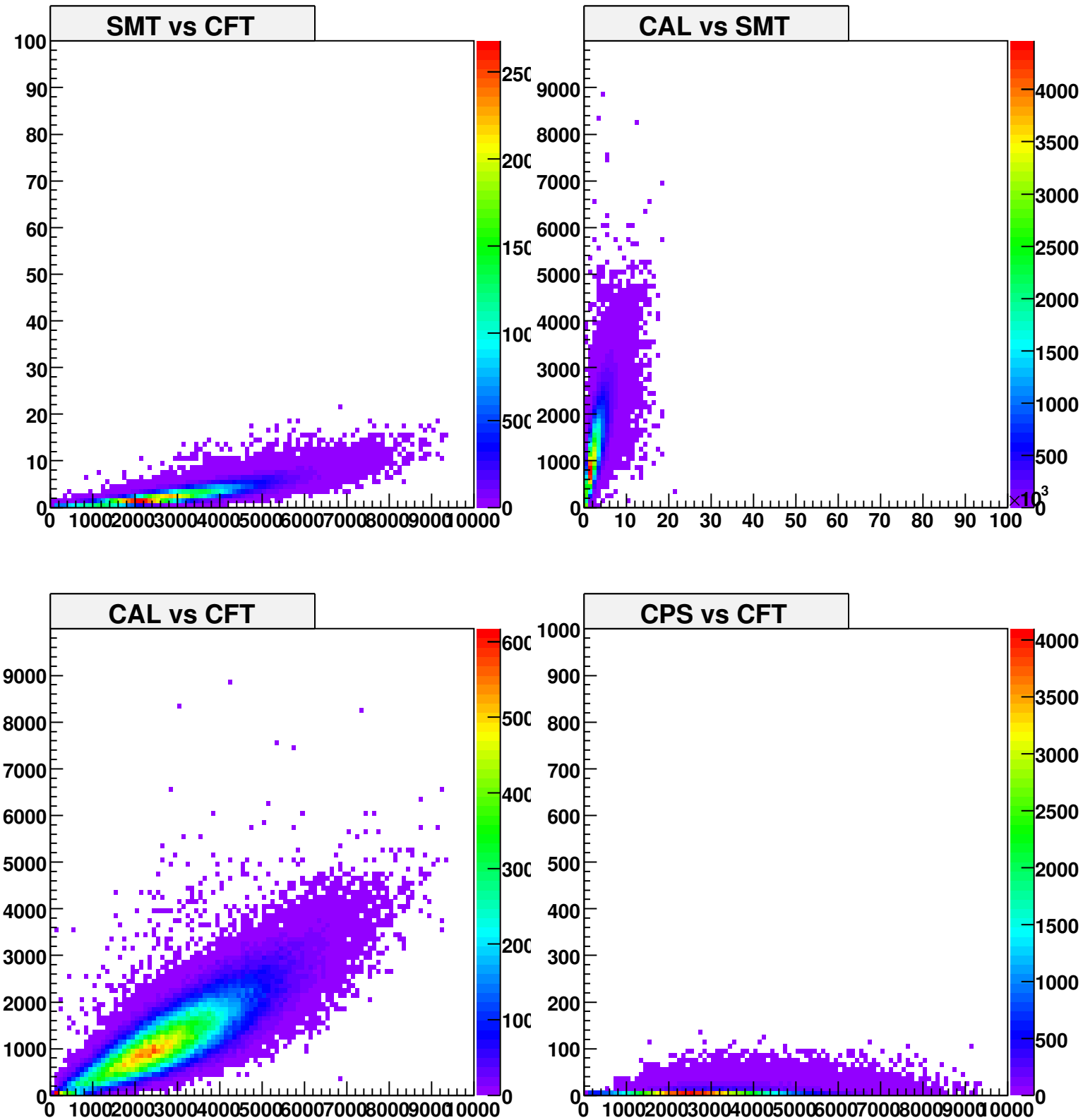


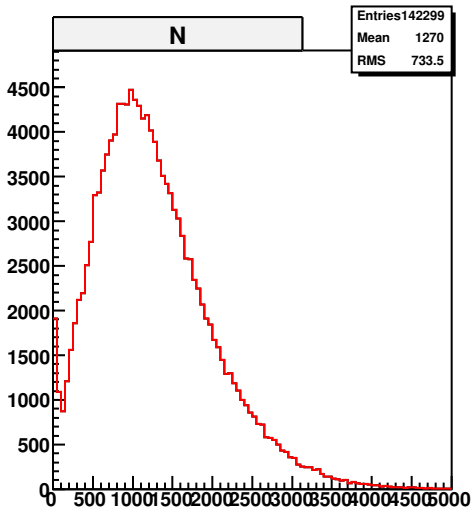


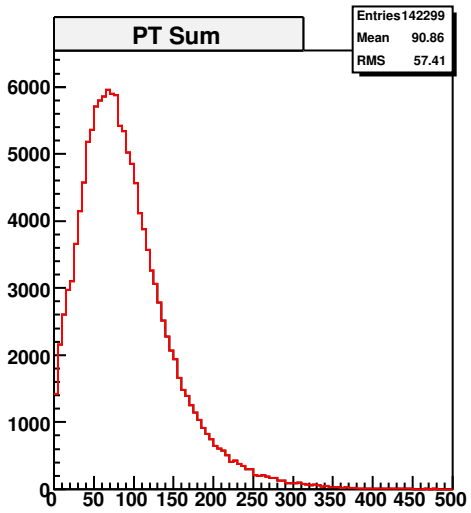


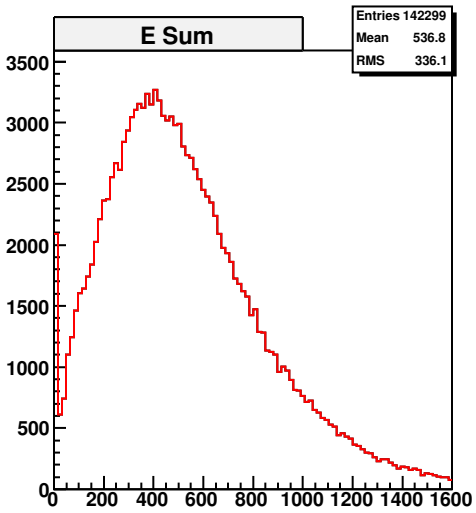


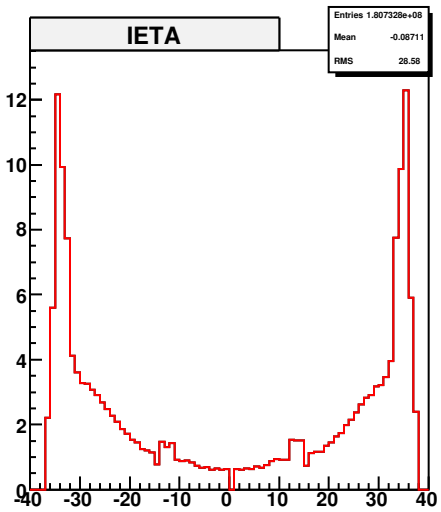
Detector Occupancy (Detector)

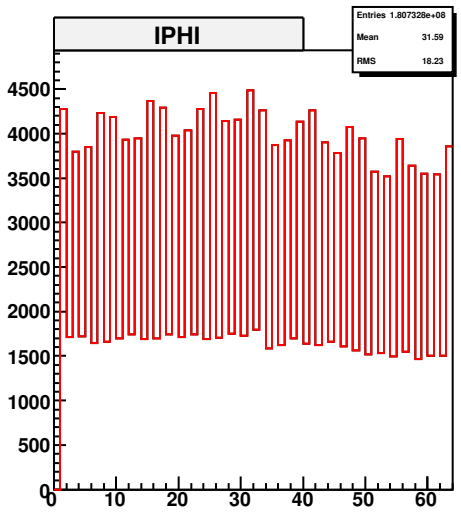

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

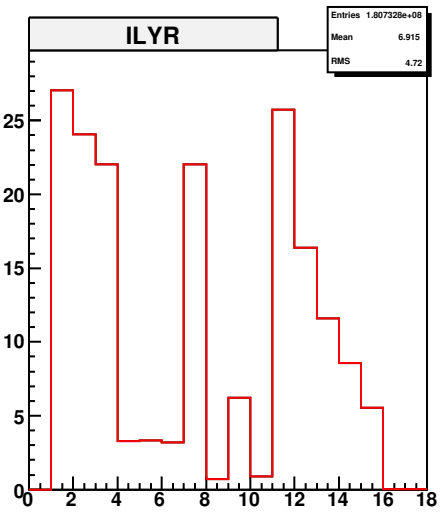


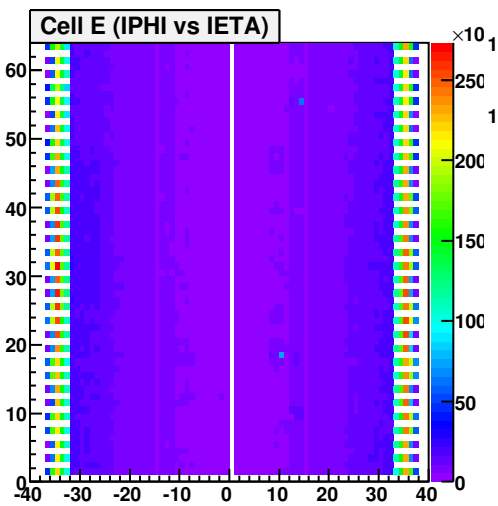


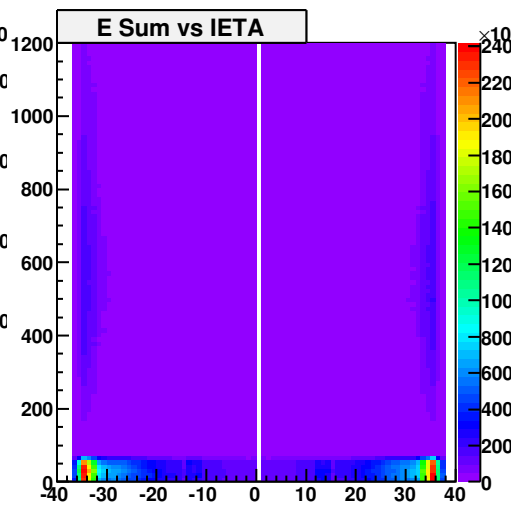


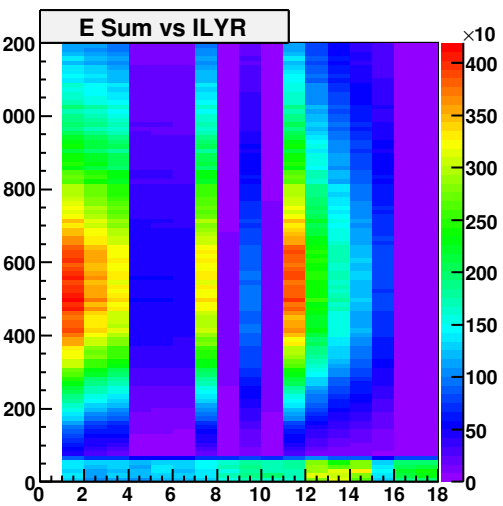




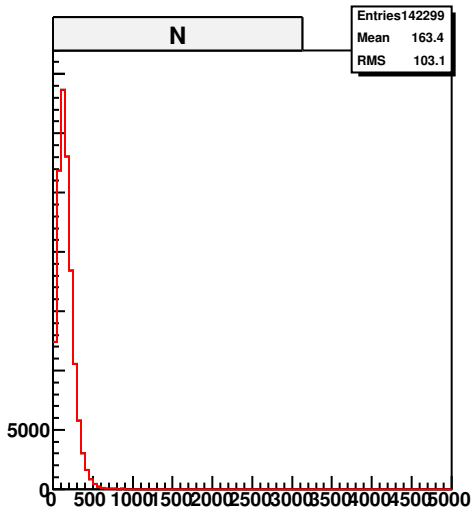


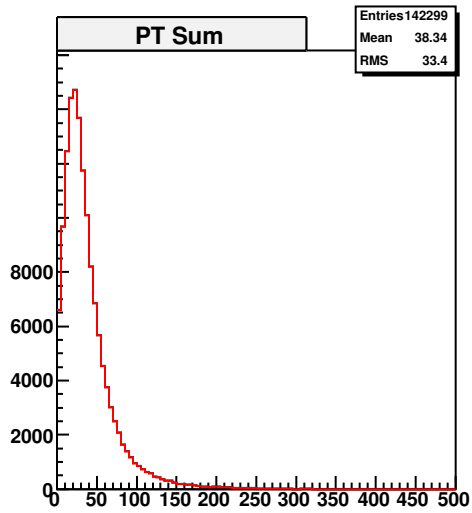


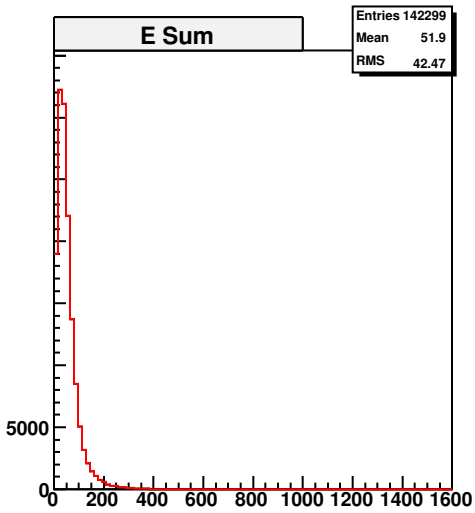


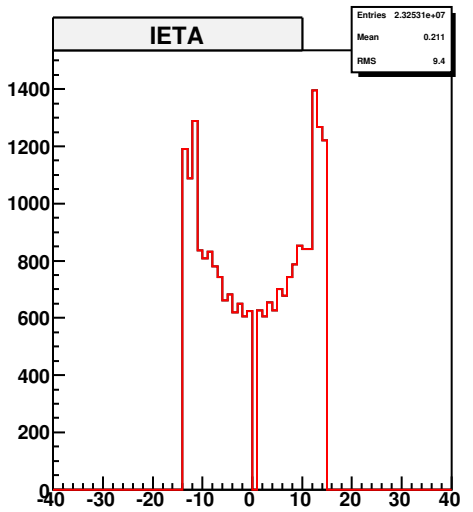


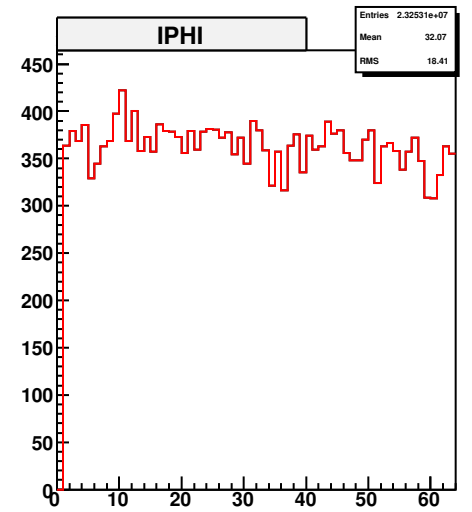
Calorimeter (All cells)

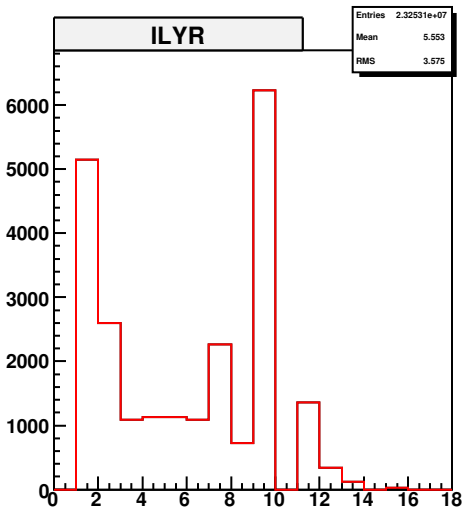


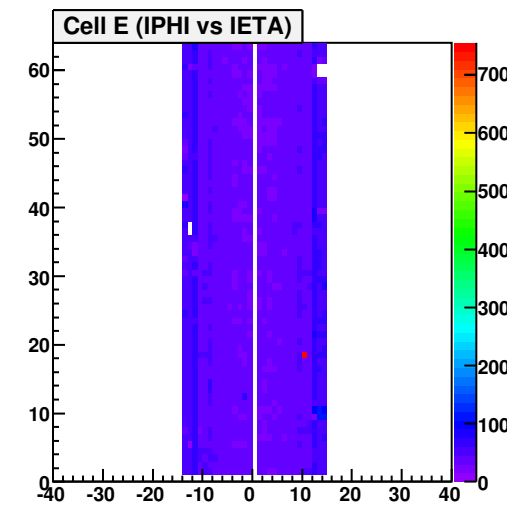


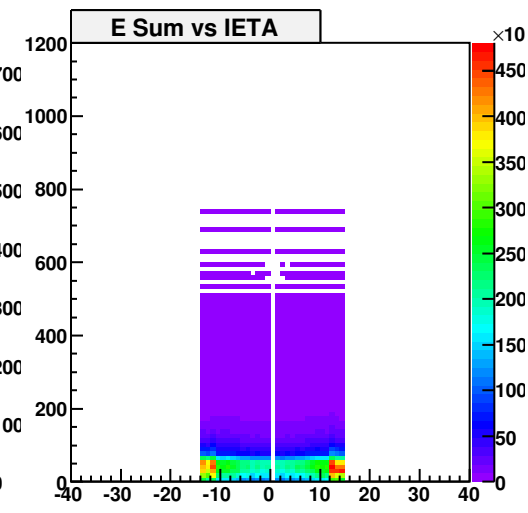


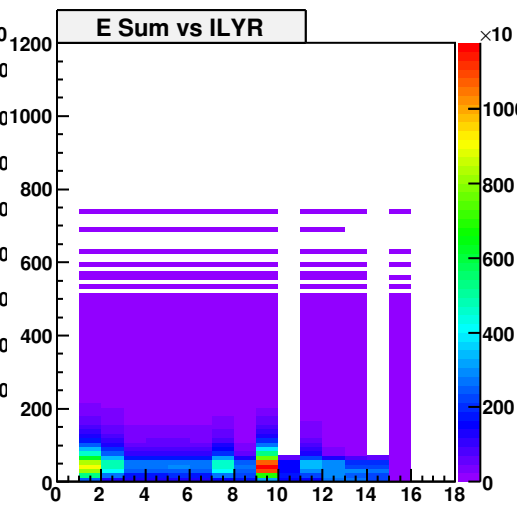




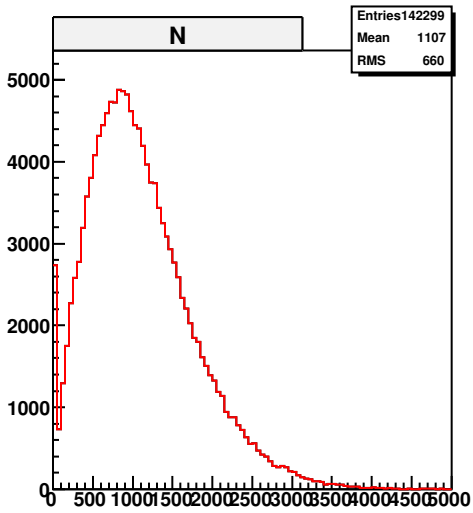


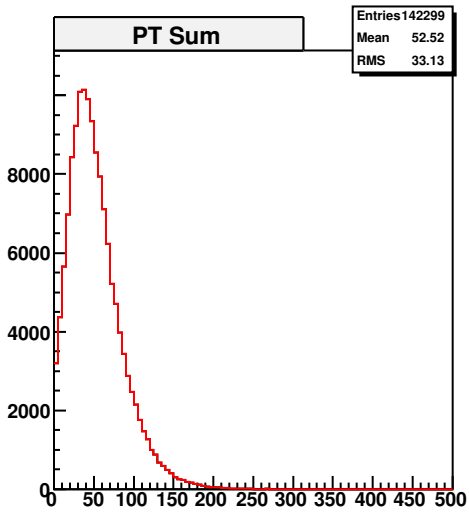


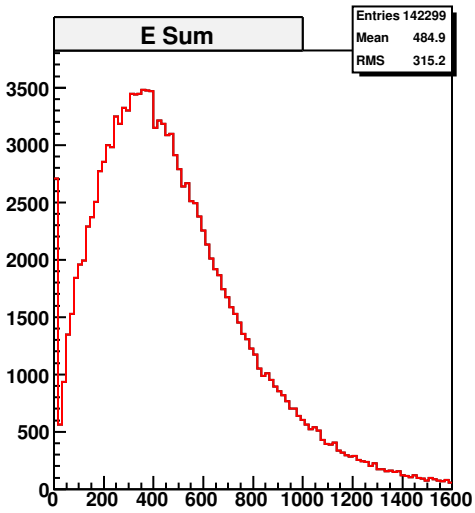


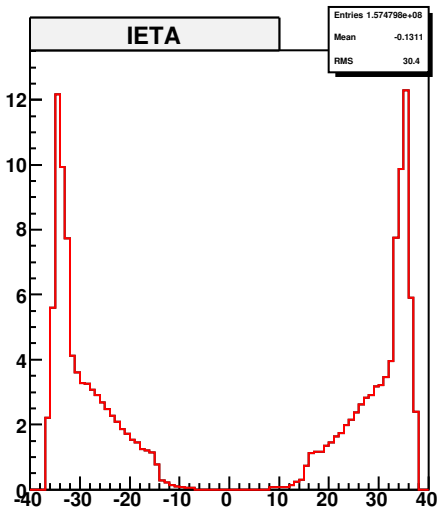


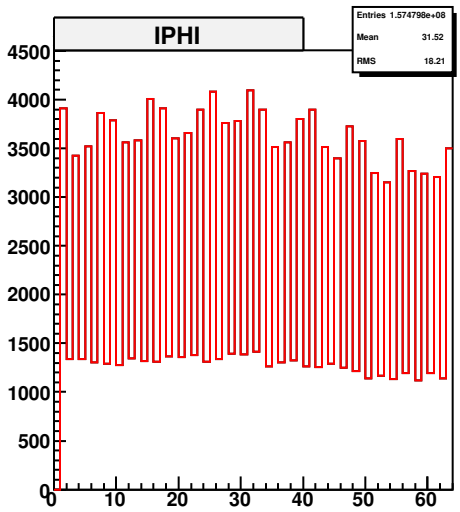
Calorimeter (All CC cells)

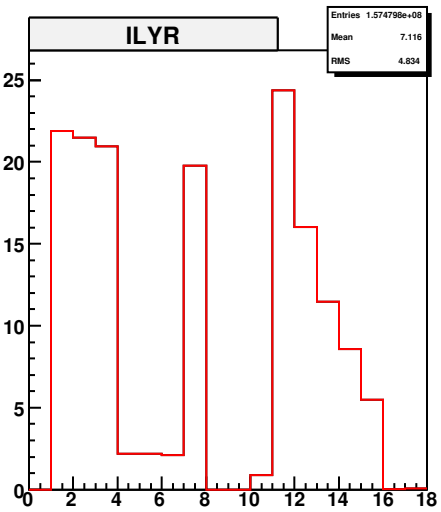


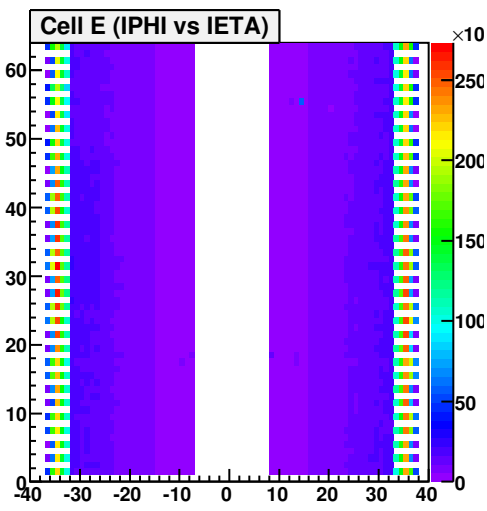


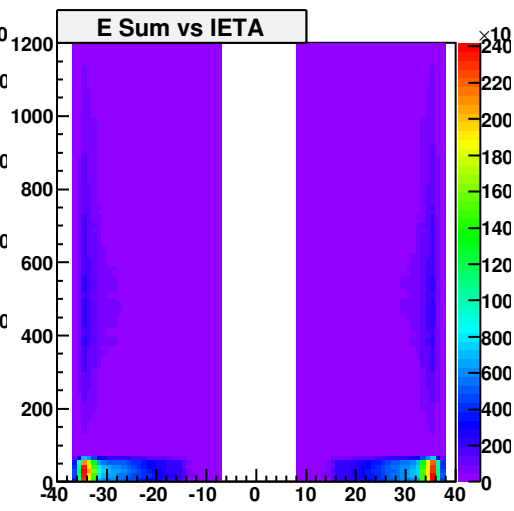


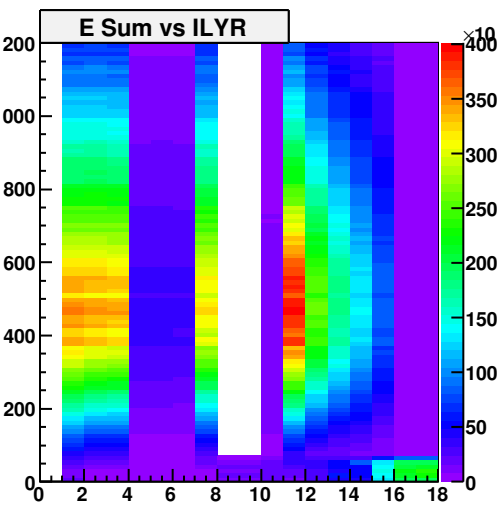




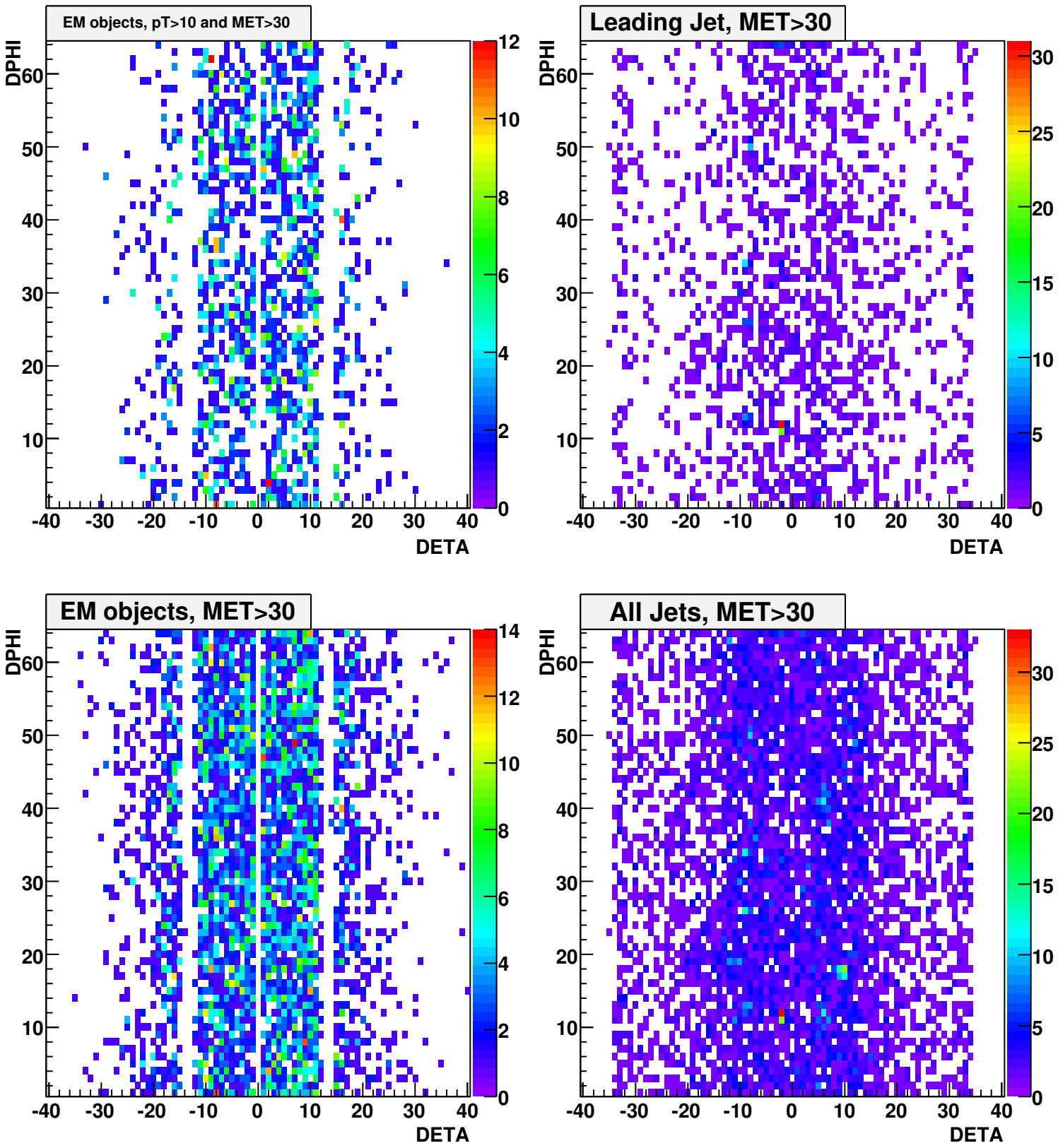




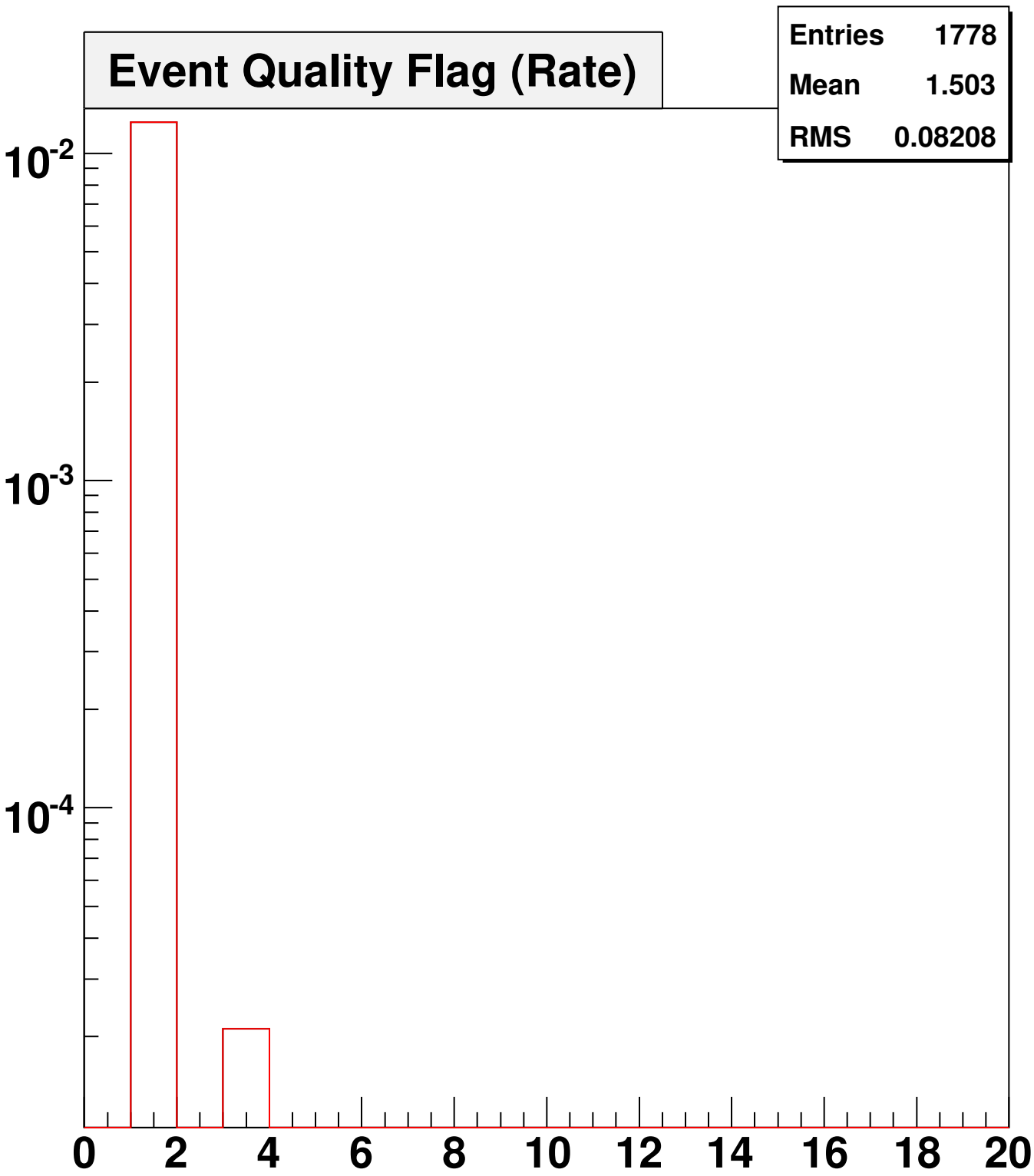


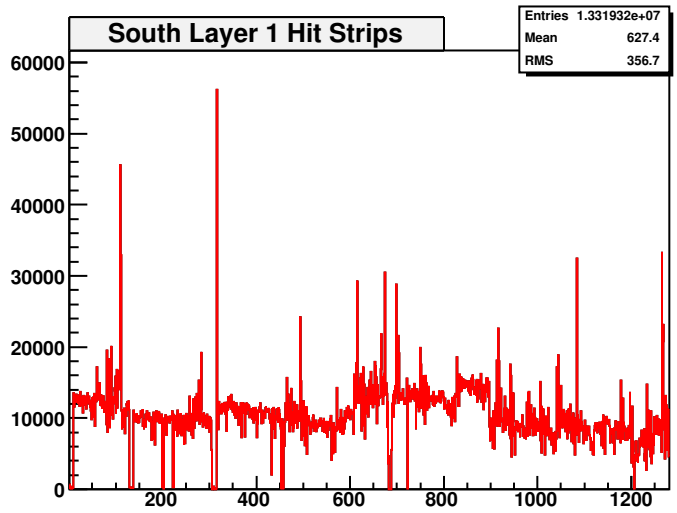


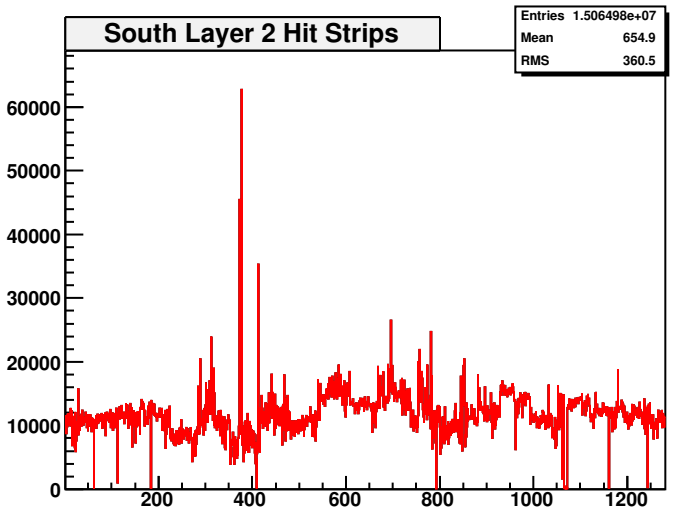
Calorimeter (All EC cells)

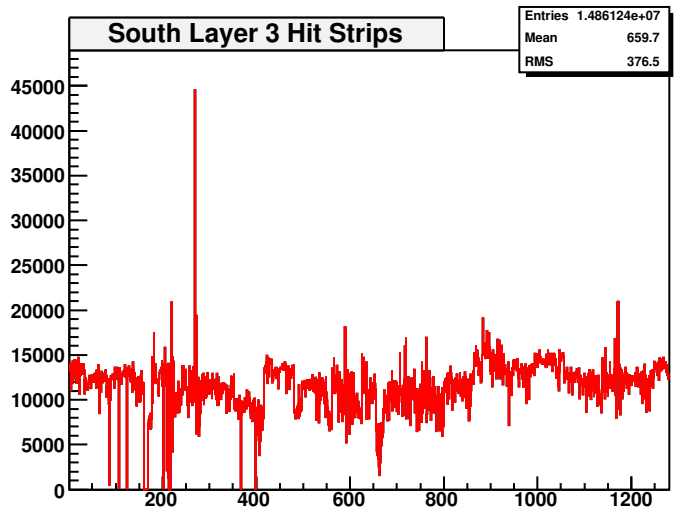


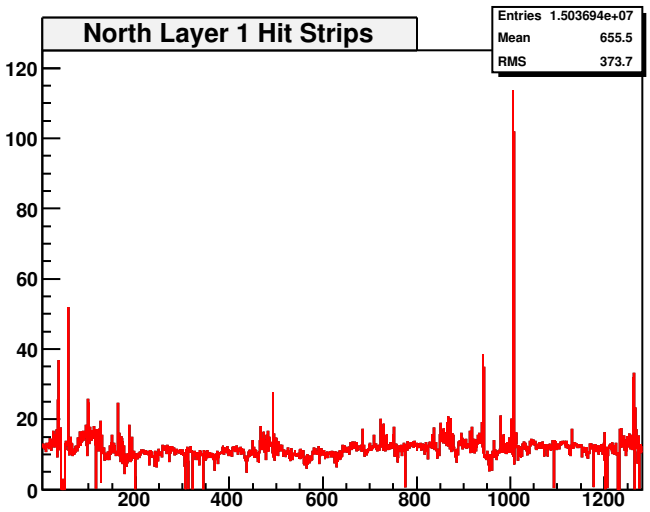
Cal Objects with MET>30 (All cells)

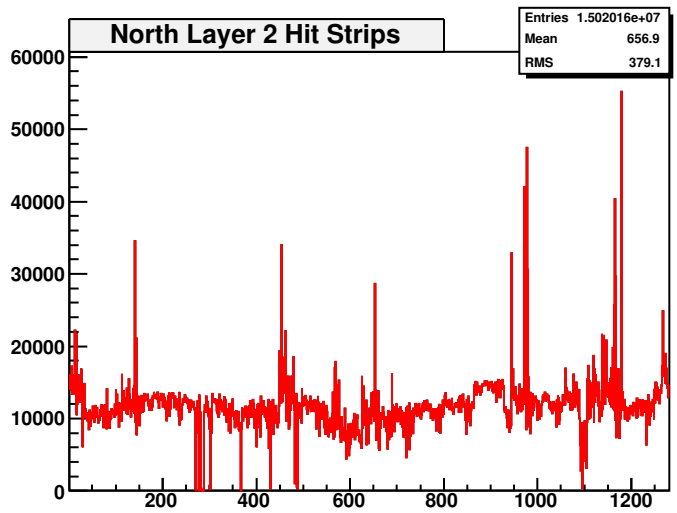

Event Quality Flag (Rate)
Entries 1778
Mean 1.503
RMS 0.08208
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

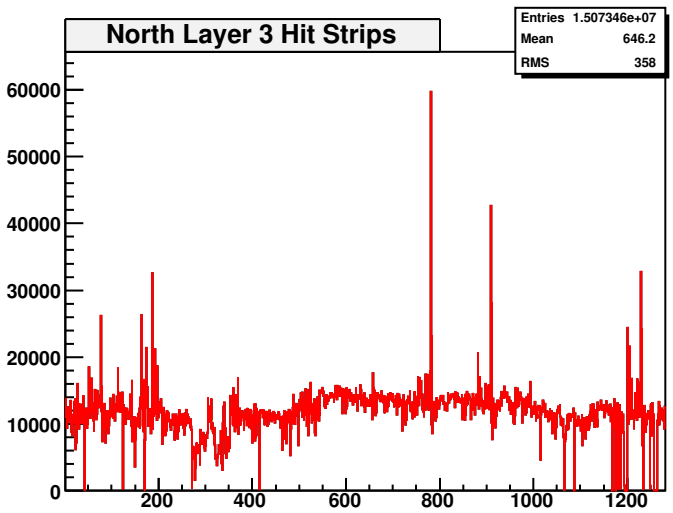




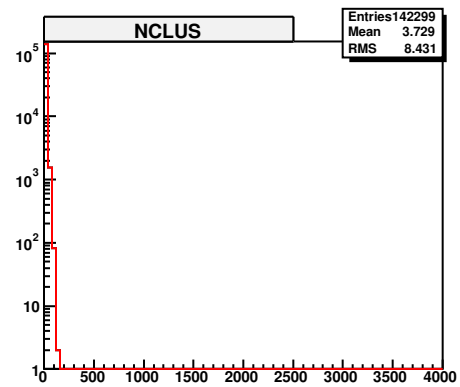


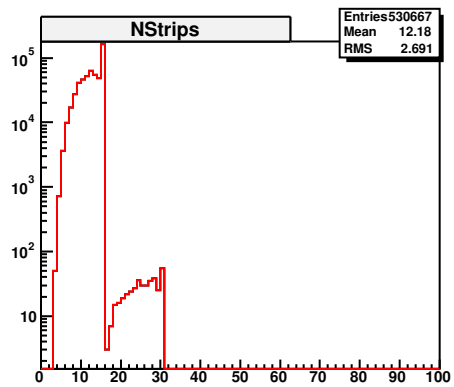


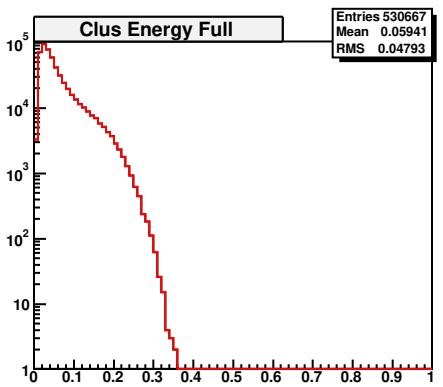


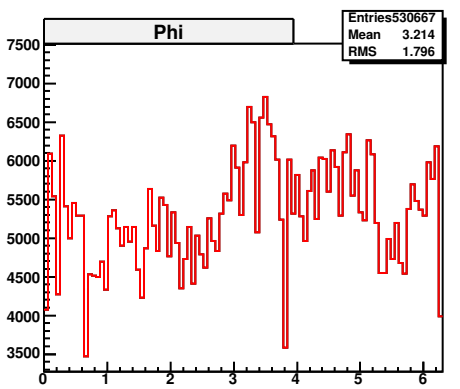


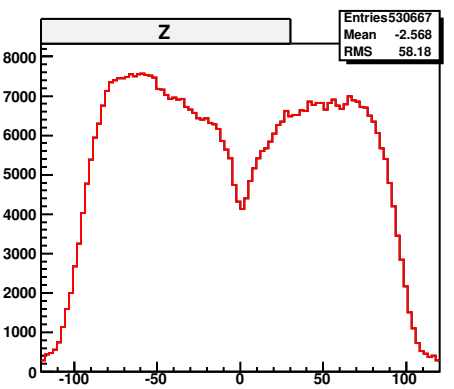
CPS Hit Strips (All Clusters)

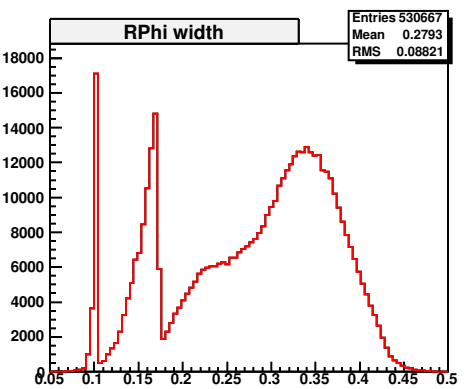


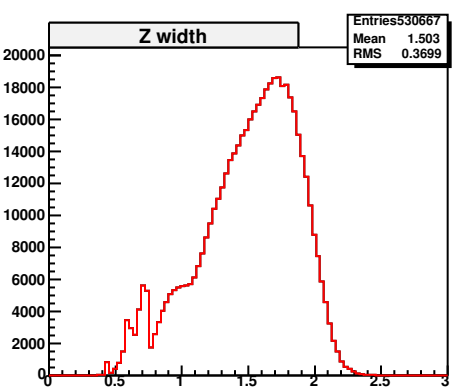


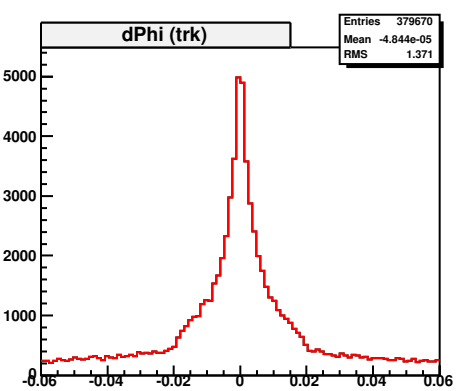


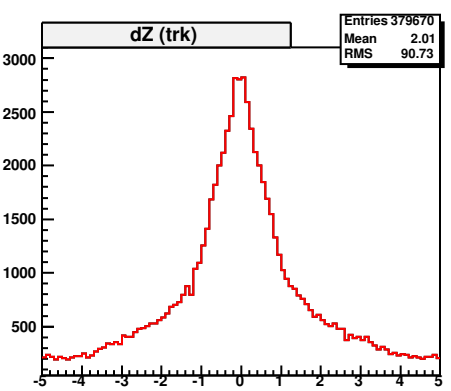


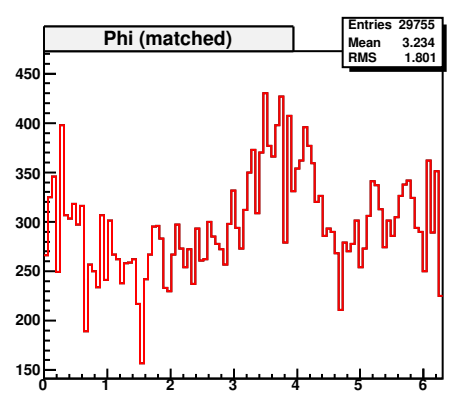


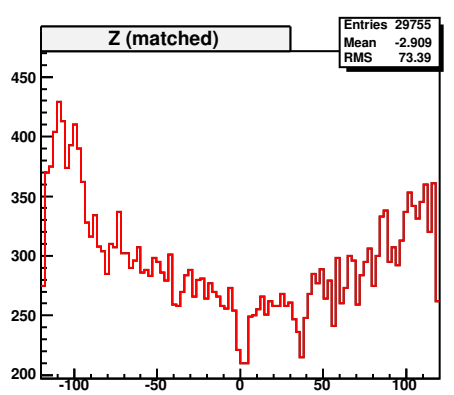




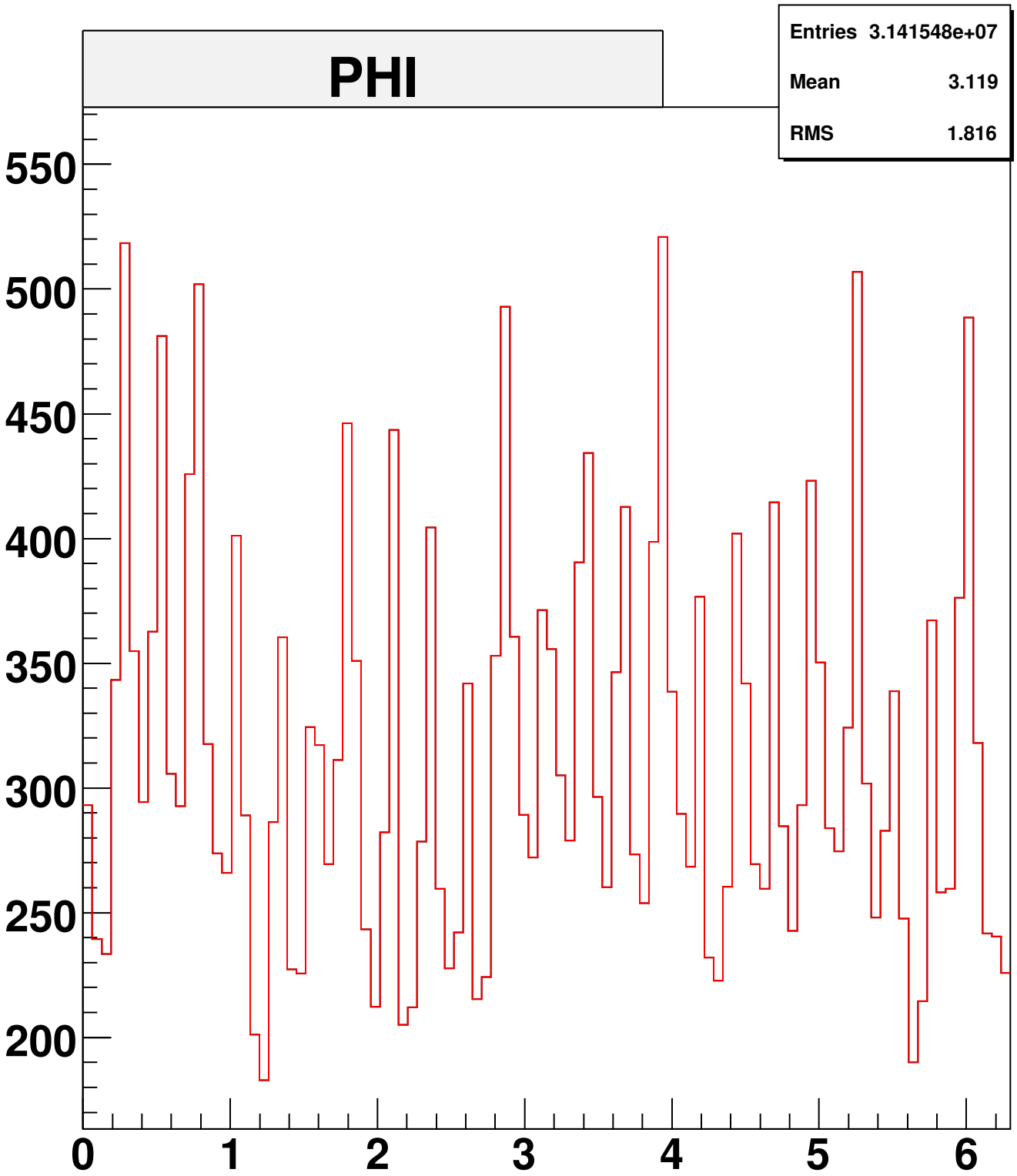


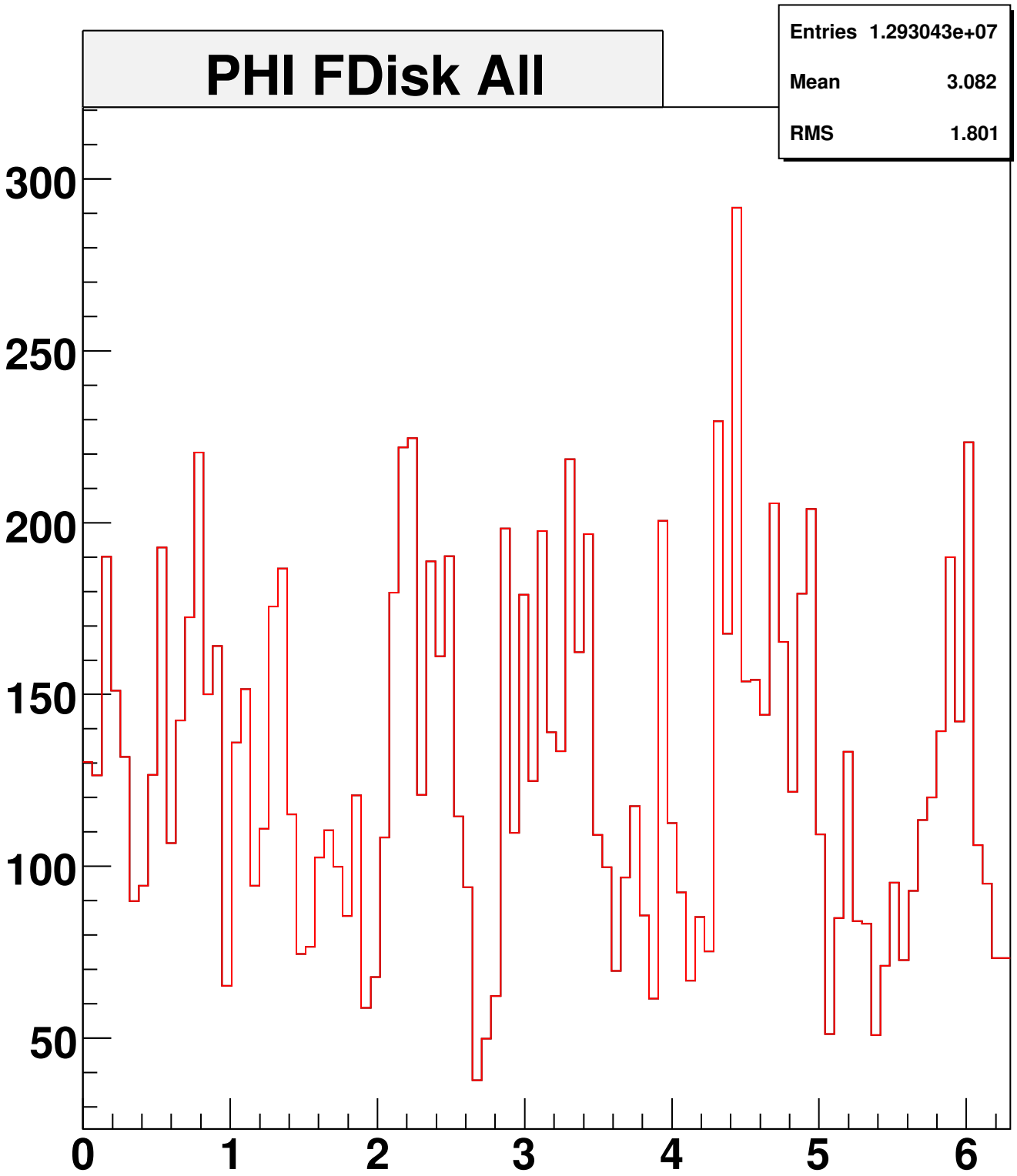


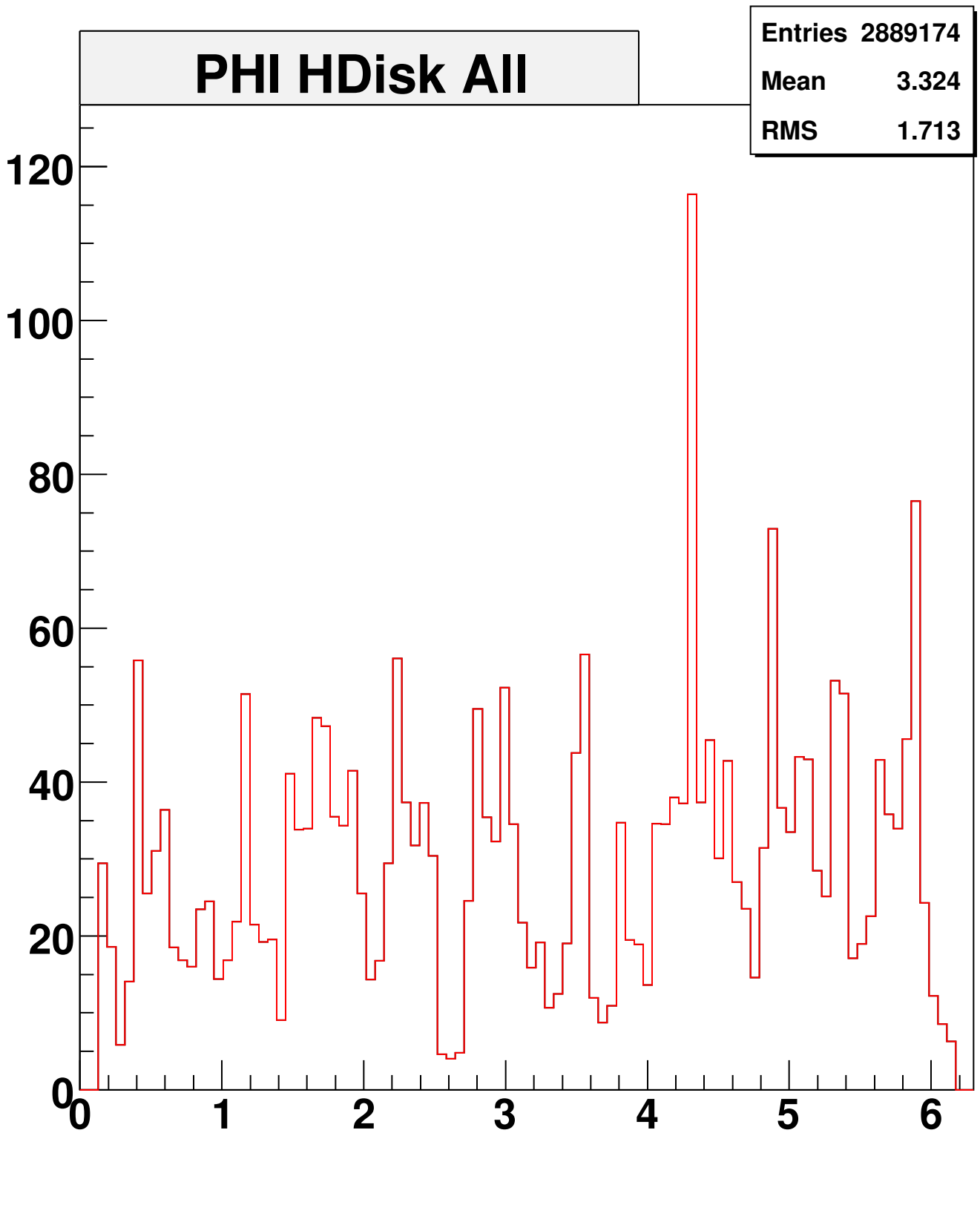


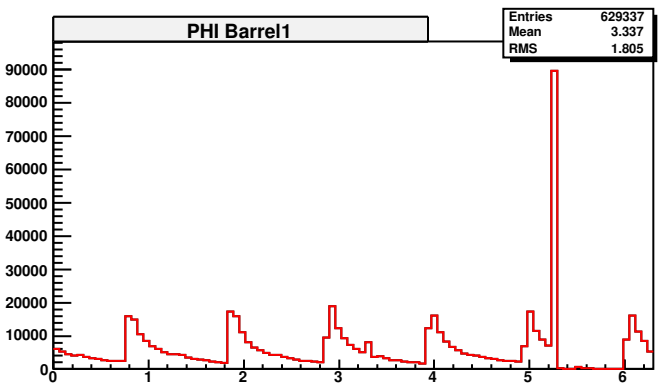


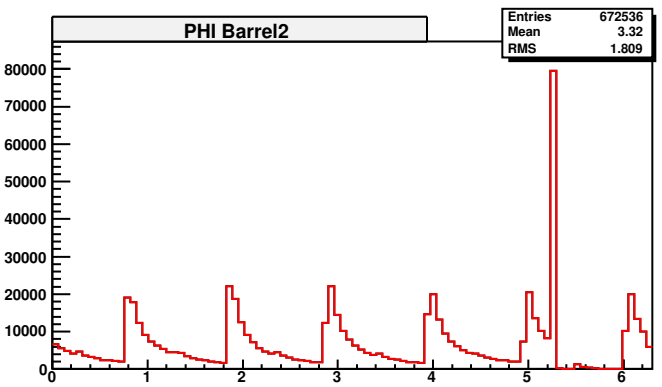
CPS Clusters (All Clusters)

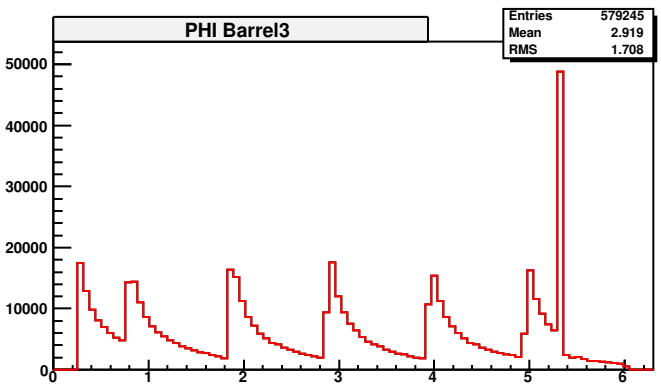

PHI
Entries 3.141548e+07
Mean 3.119
RMS 1.816
550
500
450
400
350
300
250
200
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

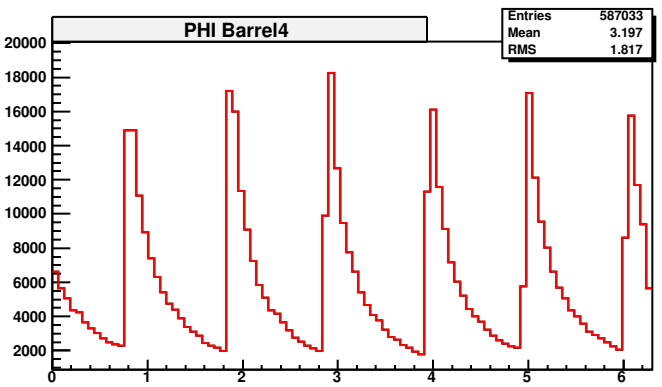

PHI FDisk All
Entries 1.293043e+07
Mean 3.082
RMS 1.801
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

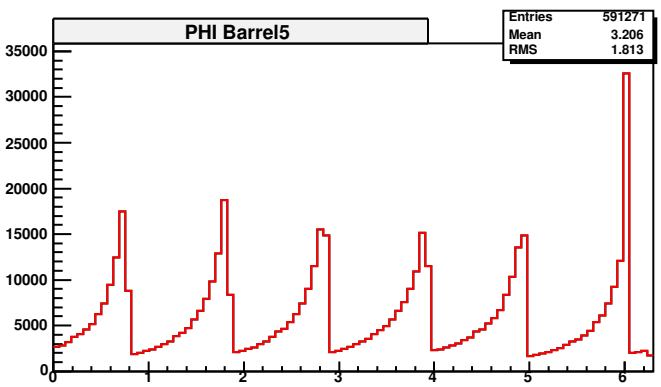

PHI HDisk All
Entries 2889174
Mean 3.324
RMS 1.713
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

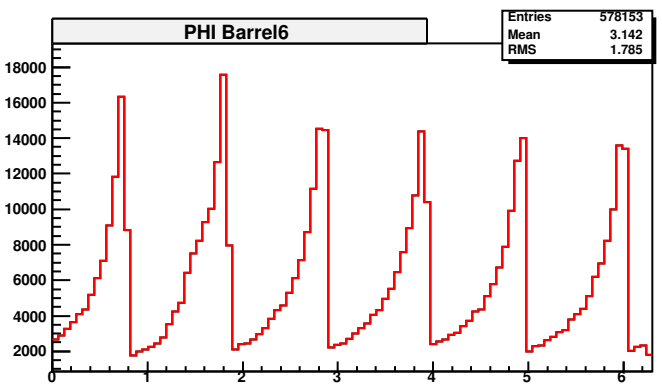


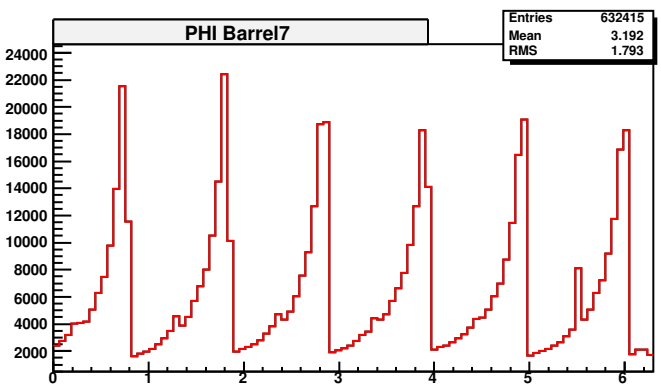


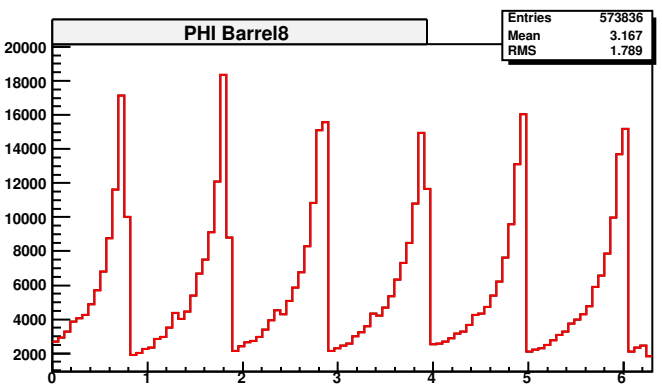




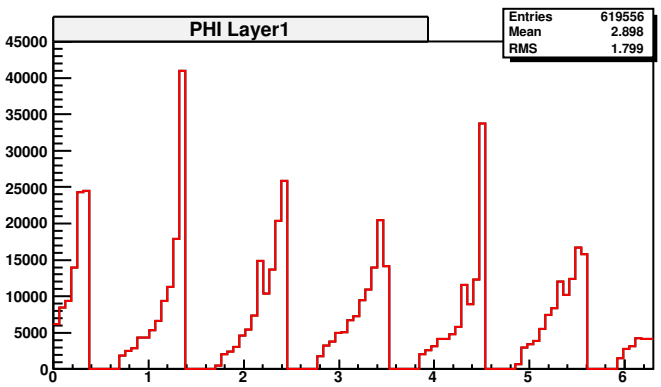


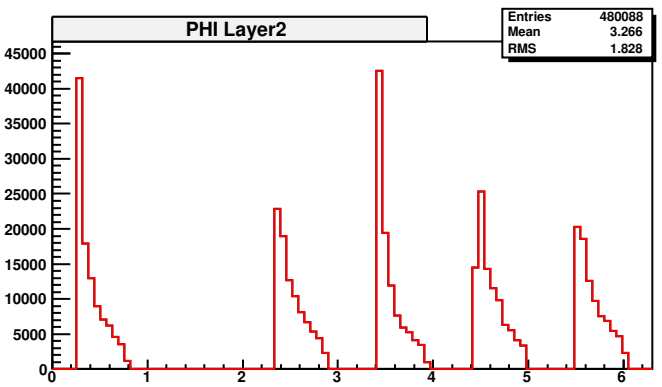


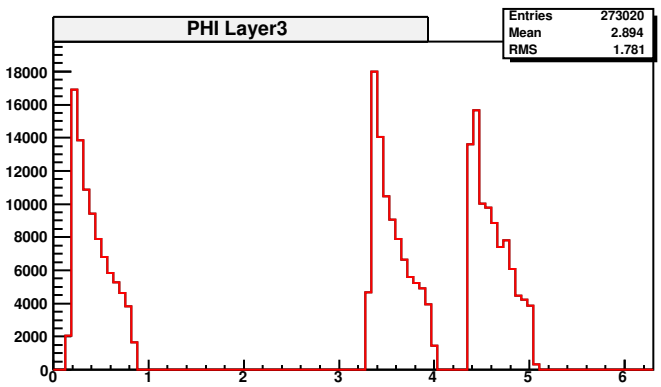


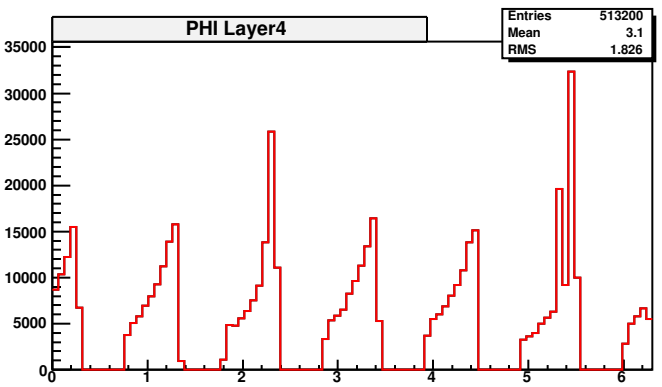


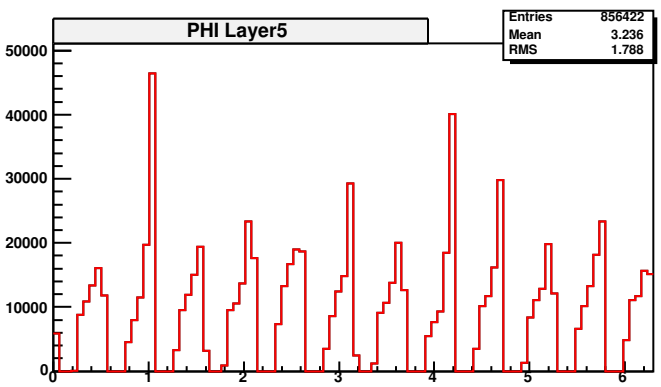
SmtClusters (ClustrLayer0)

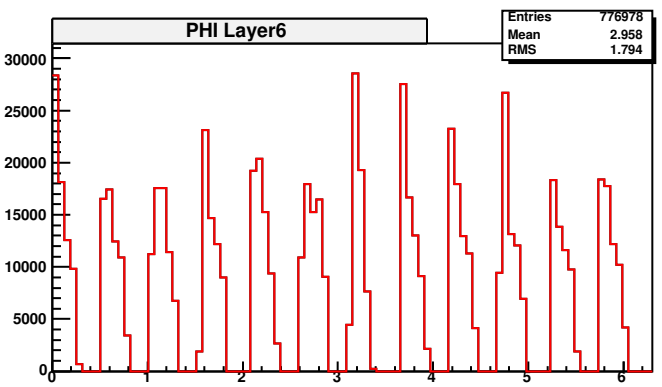


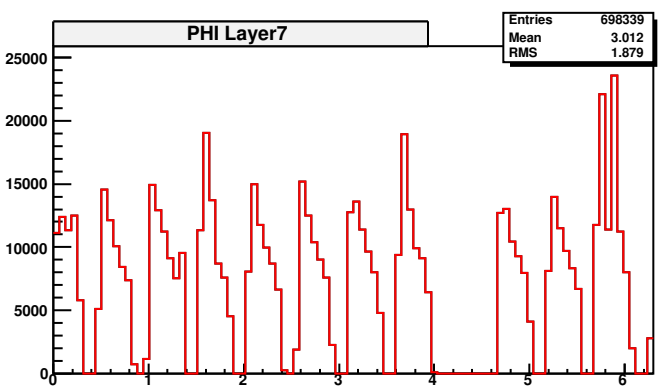


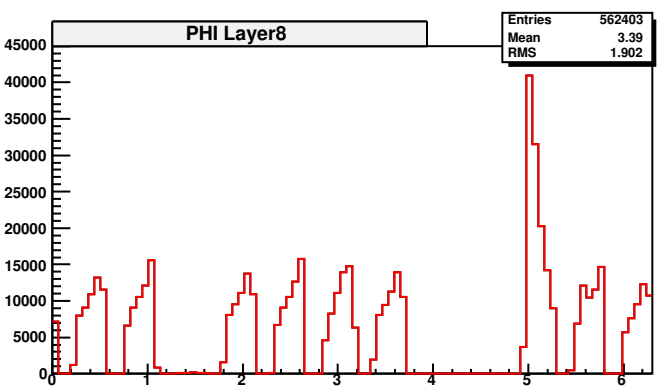




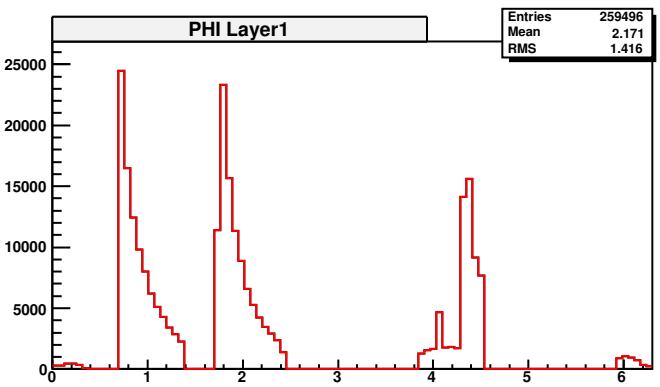


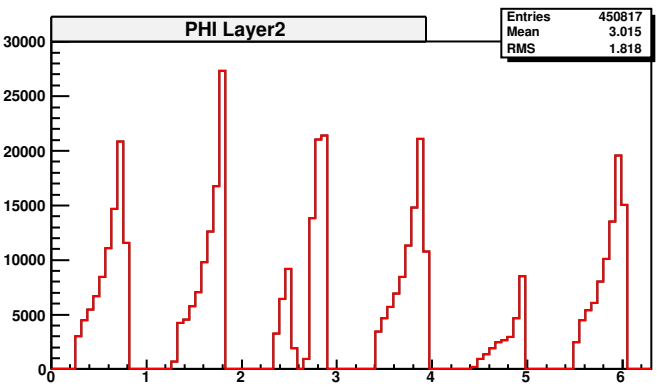


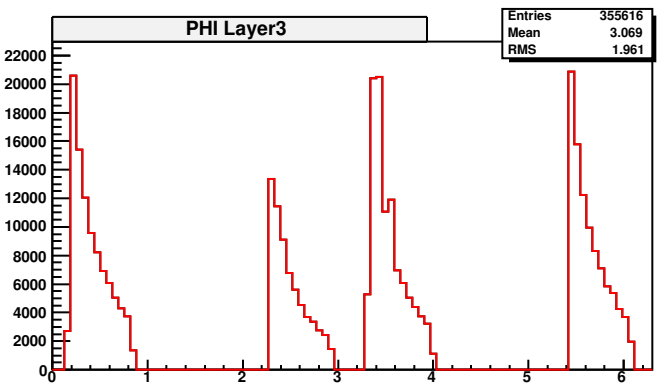


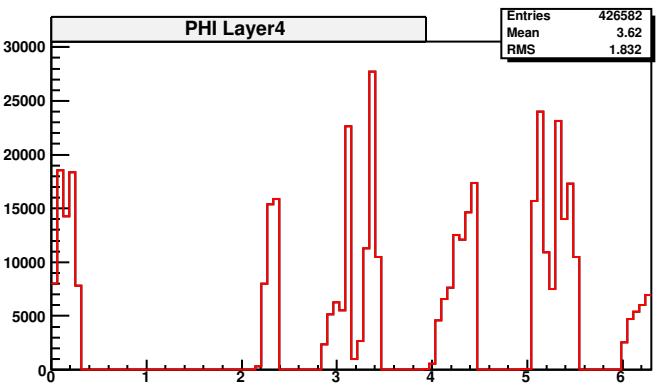


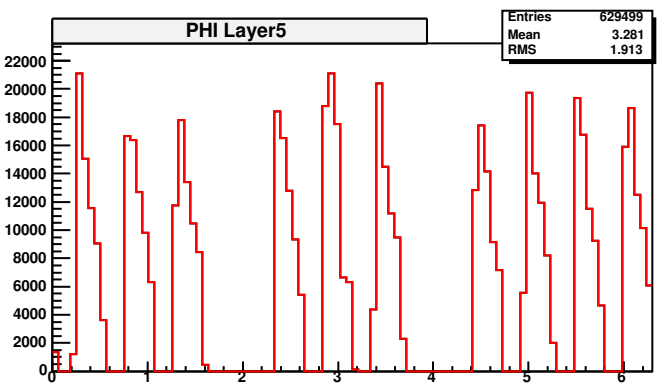
SmtClusters (ClustrBar1)

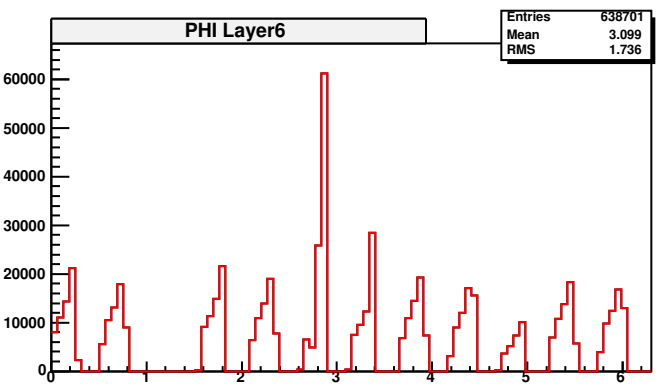


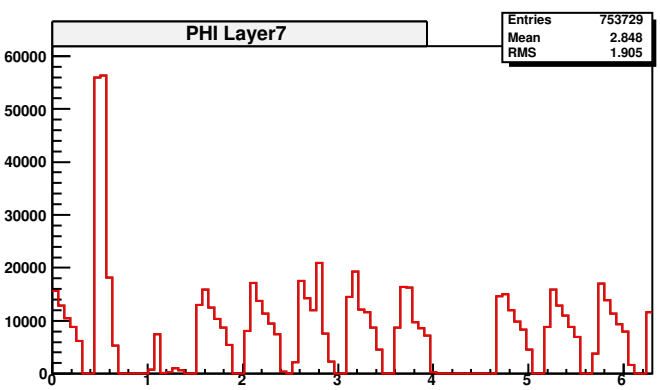


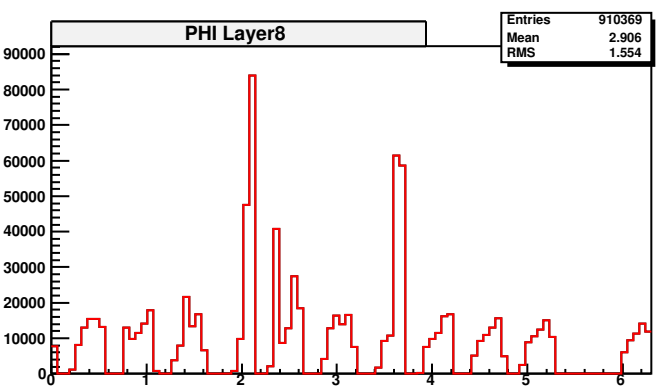




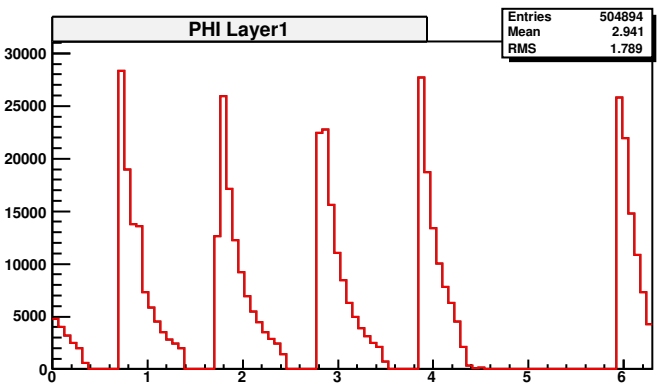


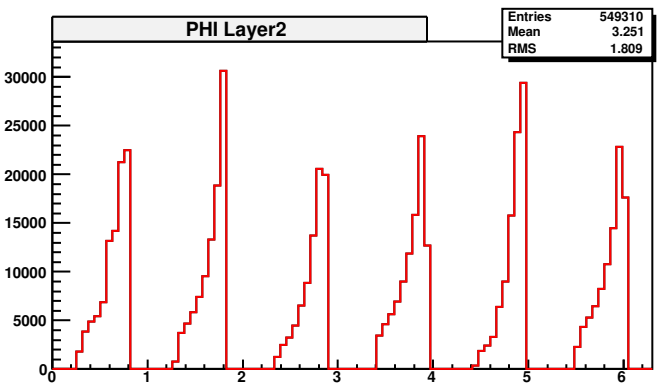


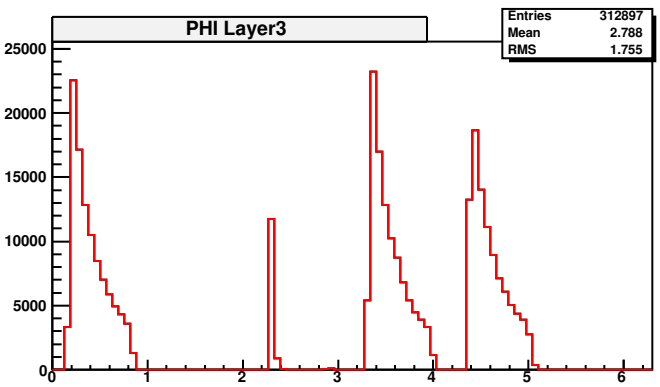


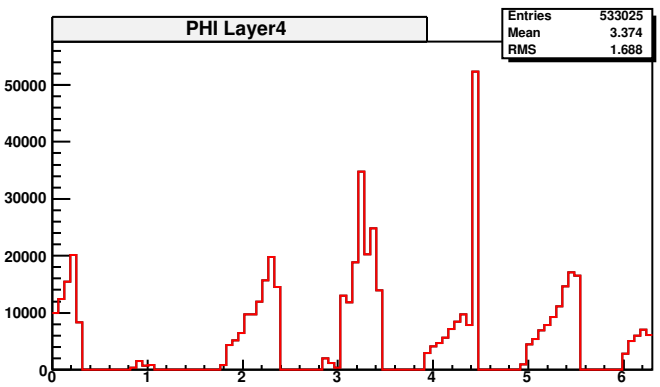


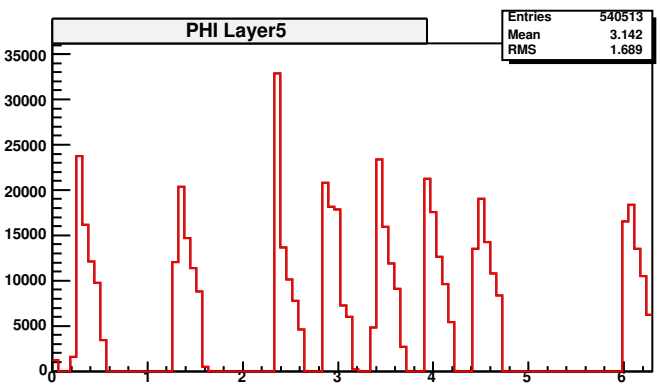
SmtClusters (ClustrBar2)

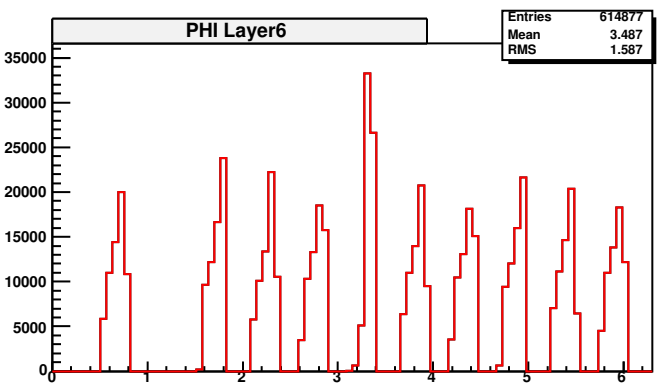


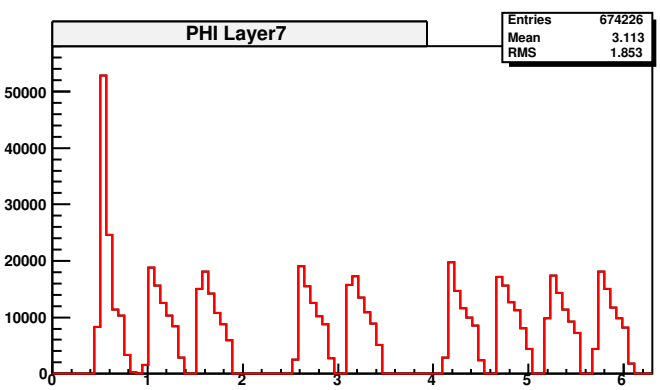


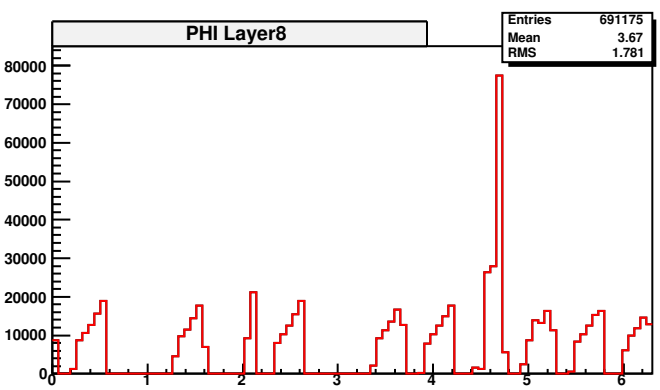




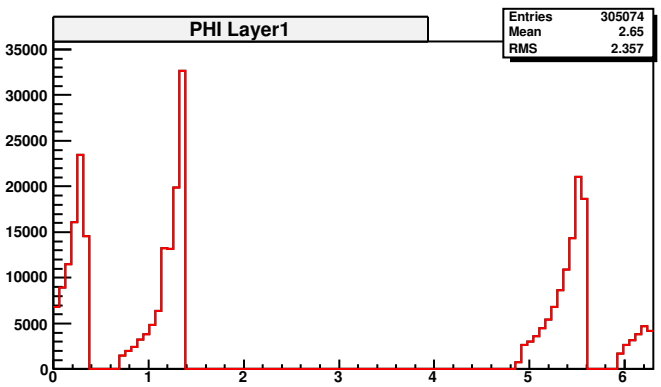


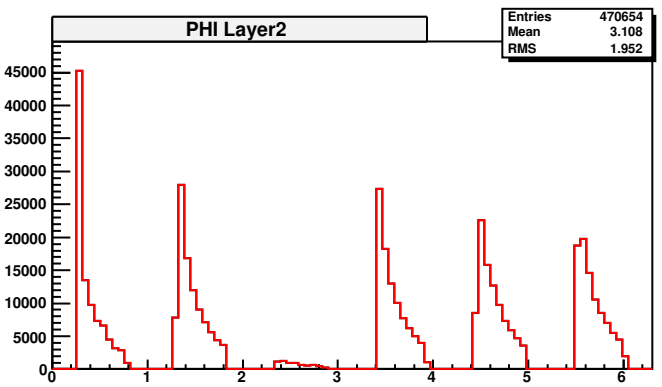


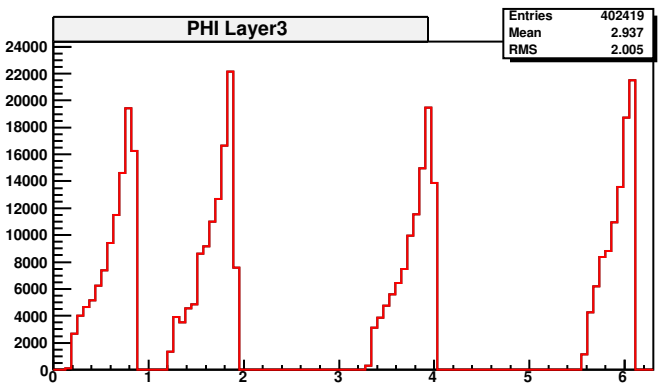


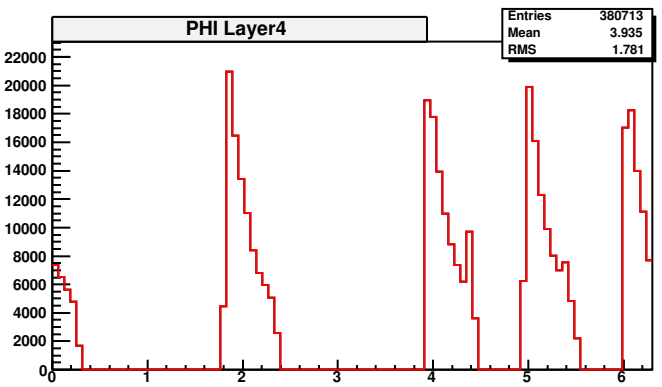


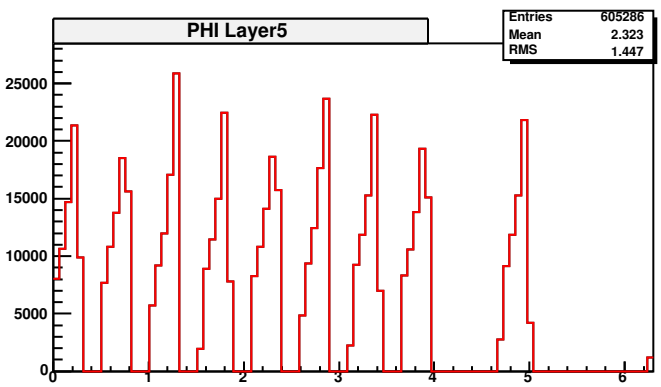
SmtClusters (ClustrBar3)

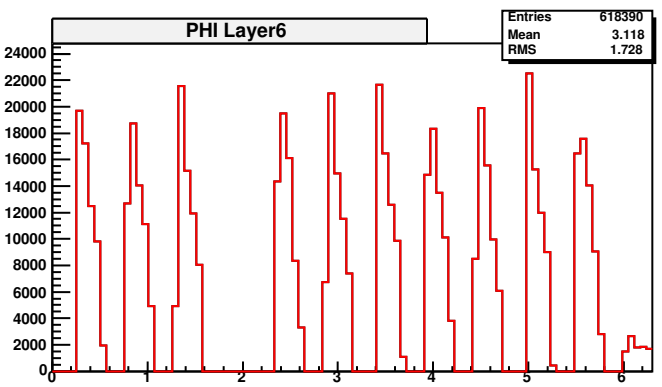


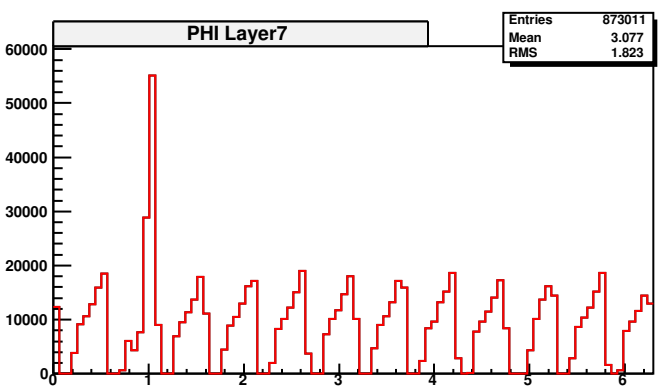


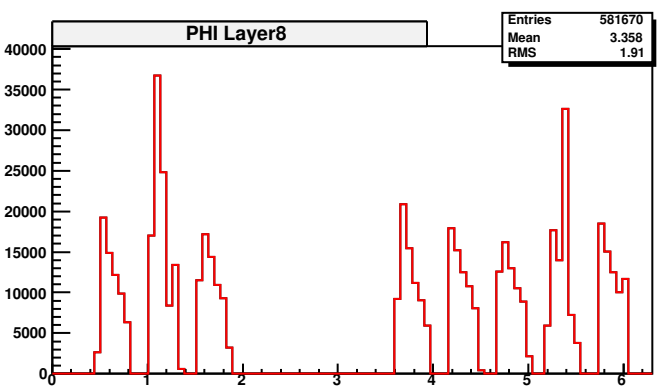




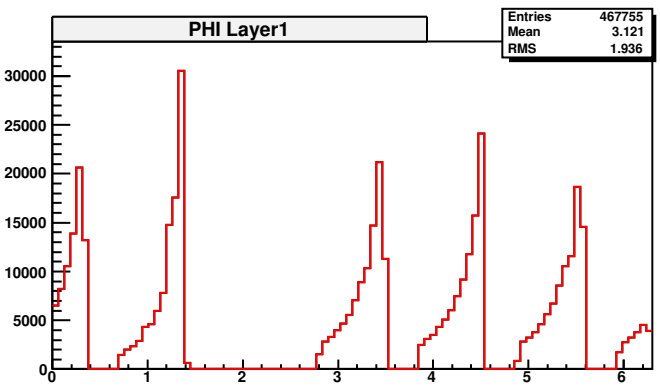


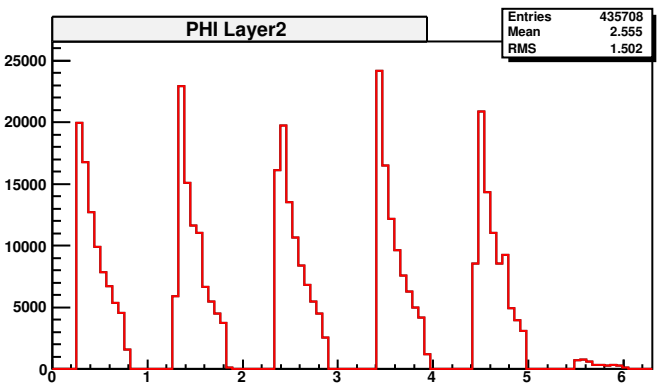


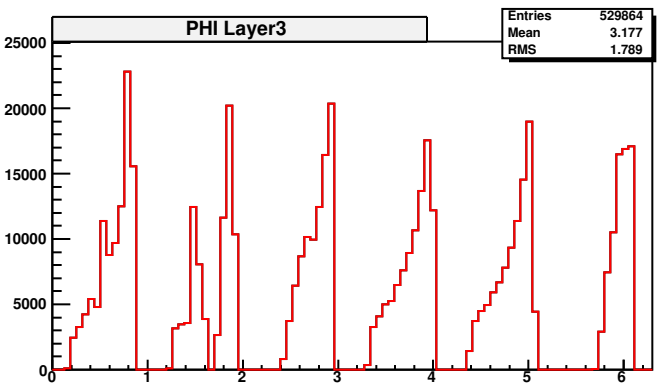


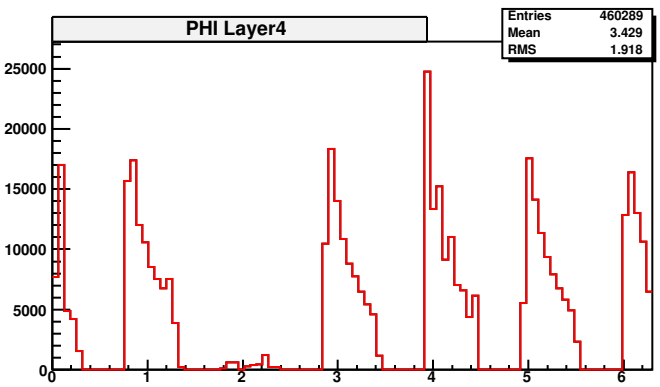


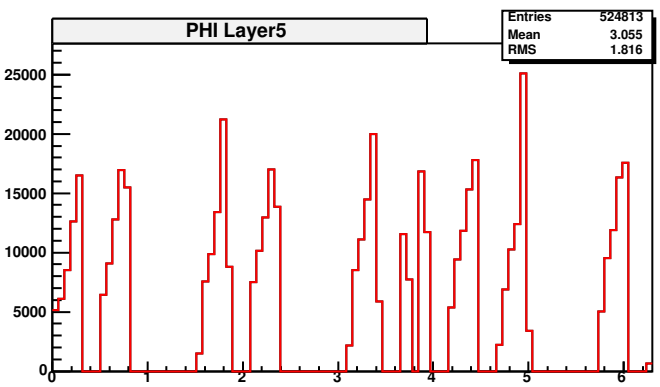
SmtClusters (ClustrBar4)

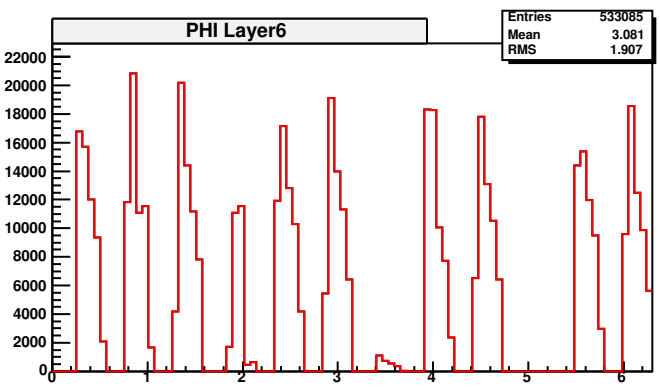


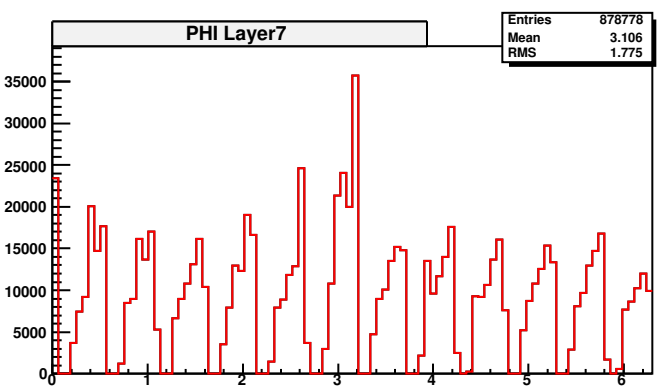


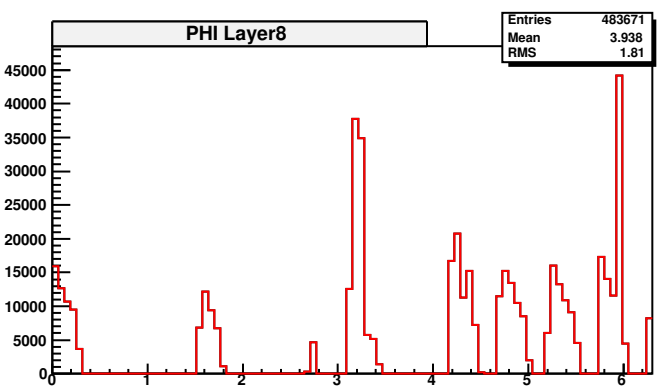




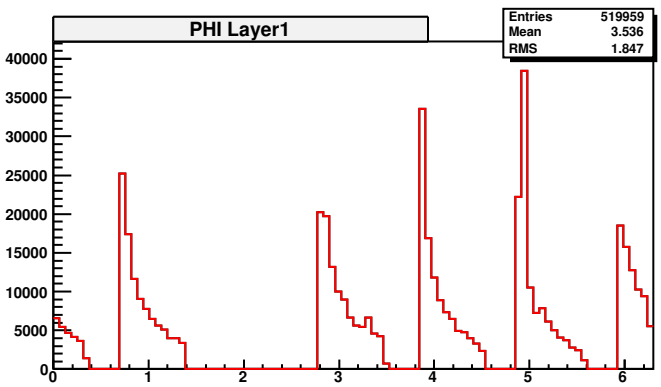


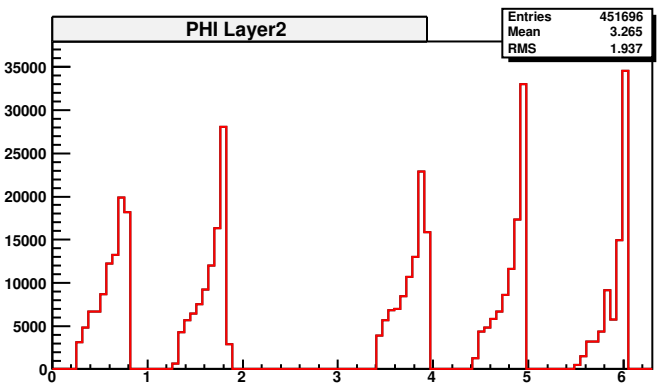


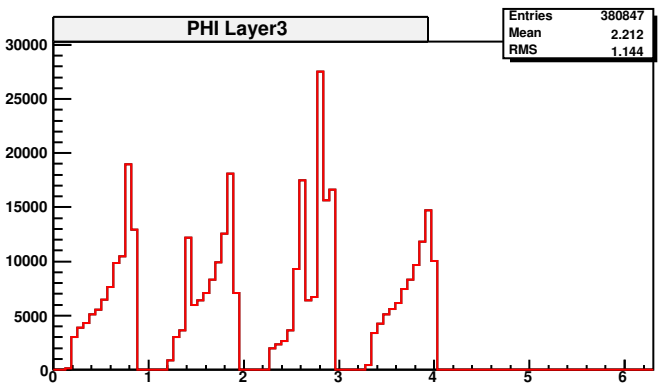


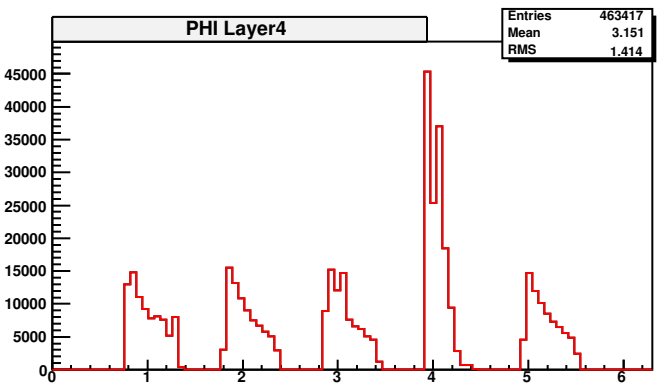


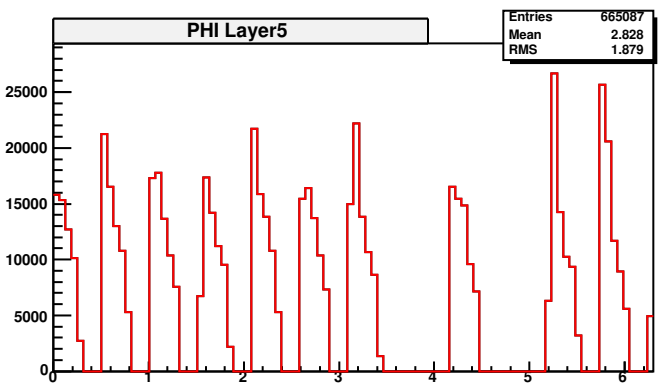
SmtClusters (ClustrBar5)

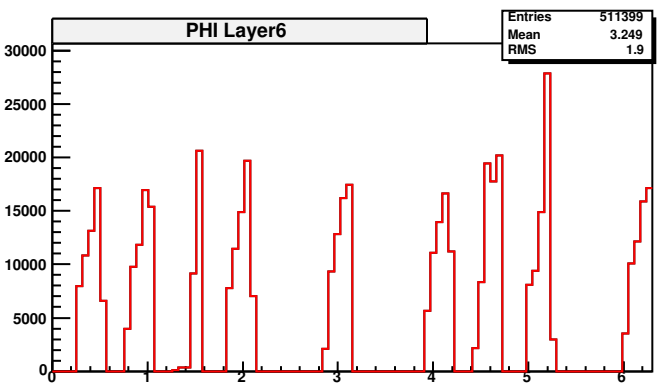


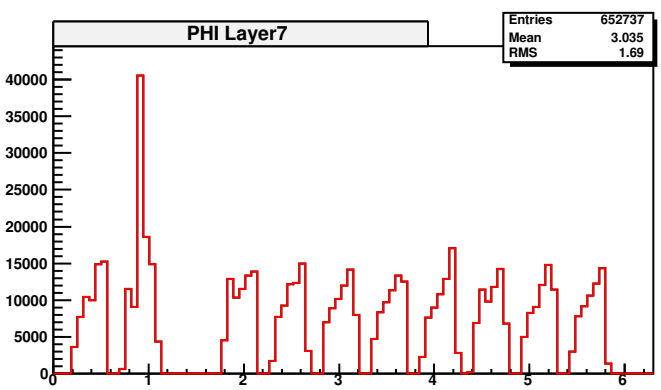


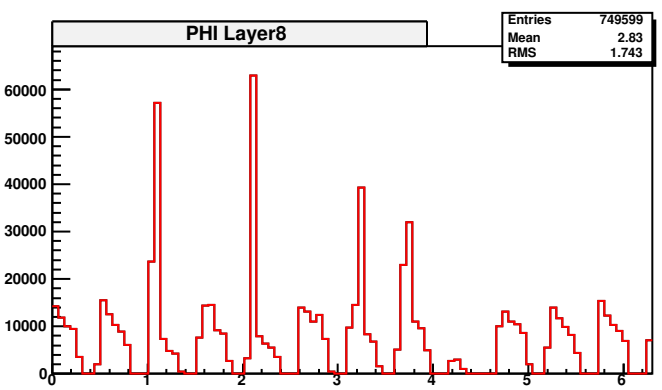




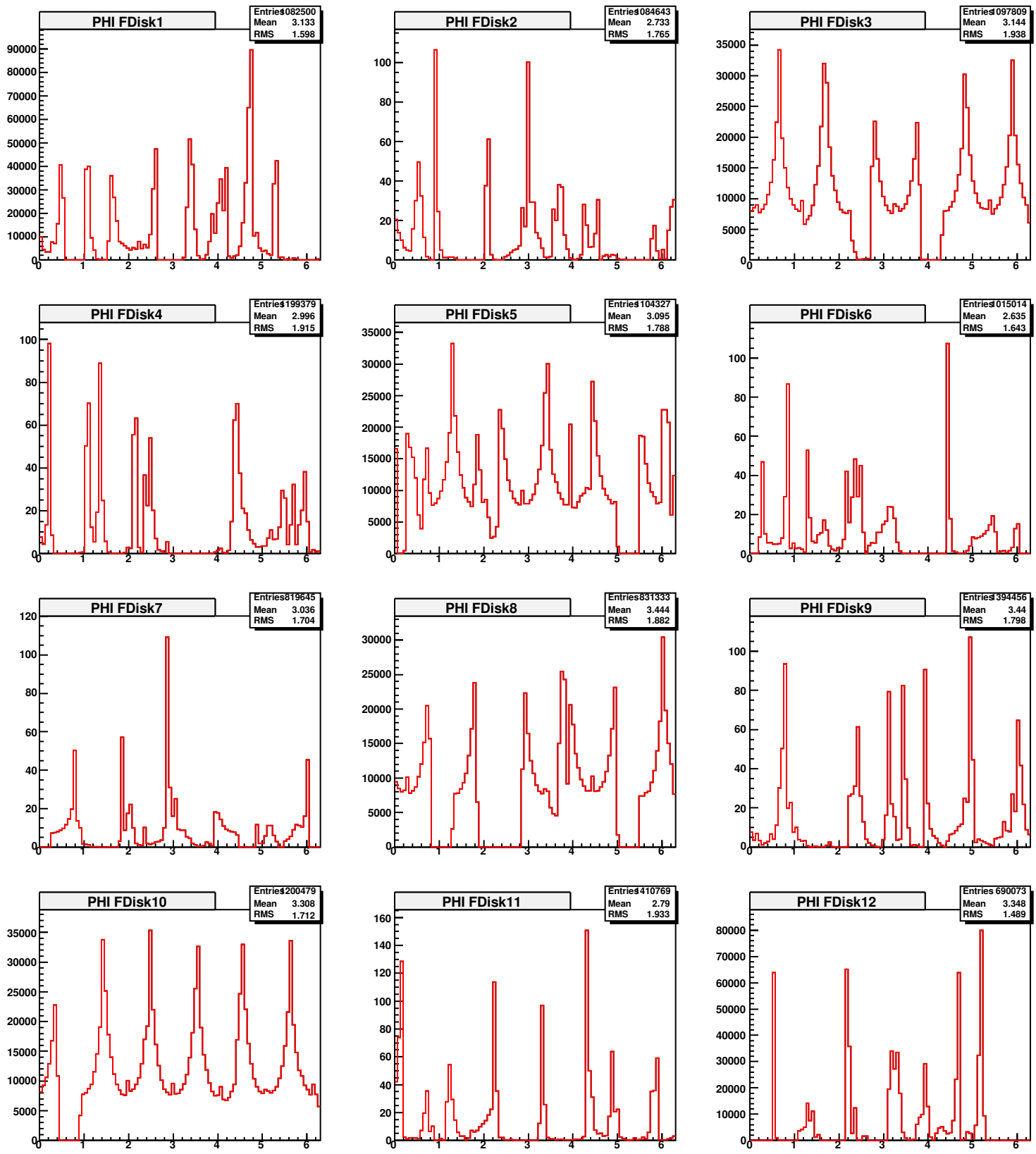




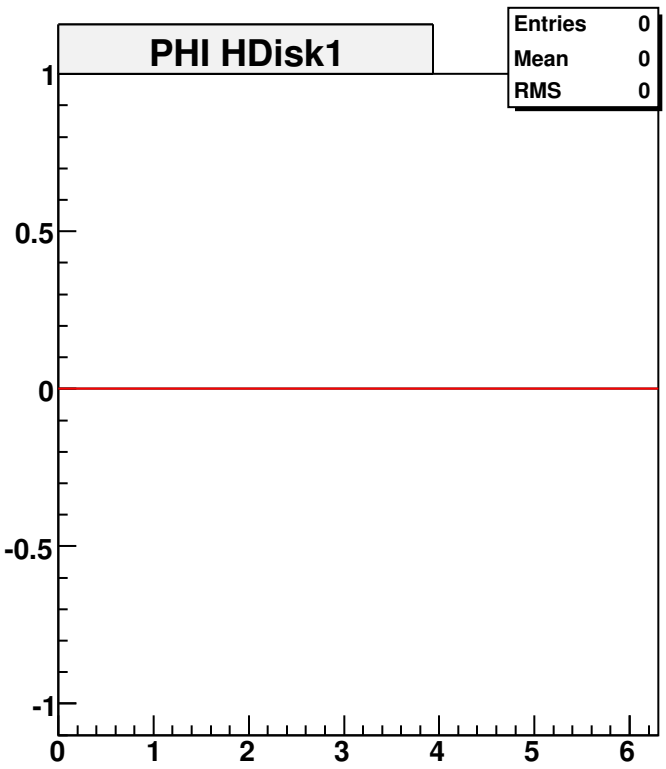


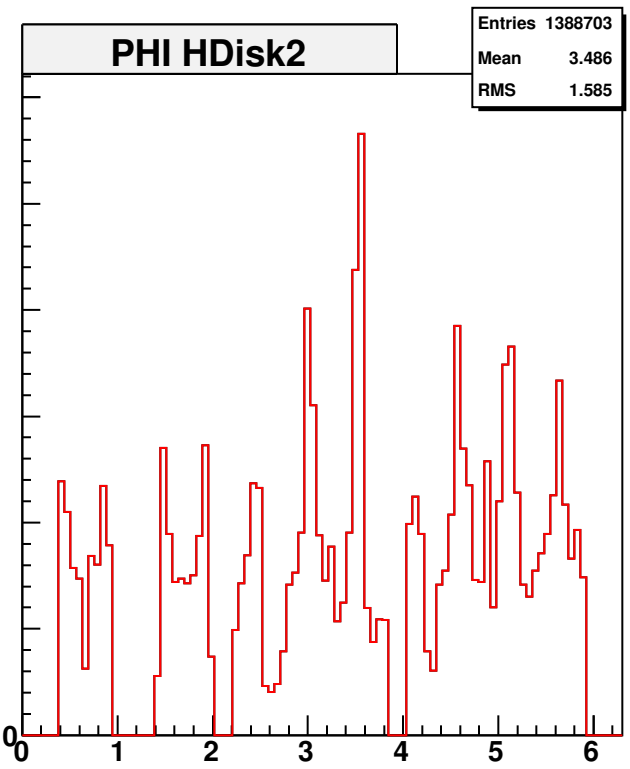


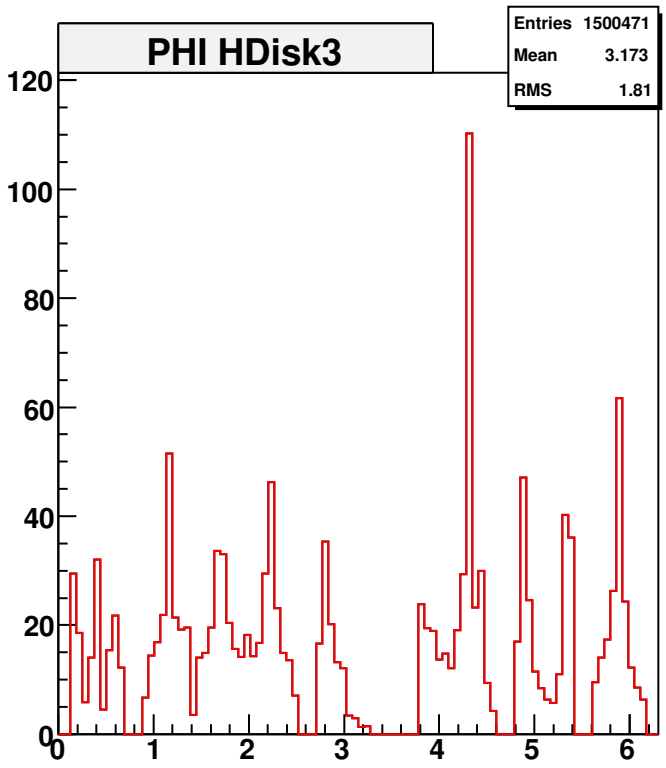
SmtClusters (ClustrBar6)

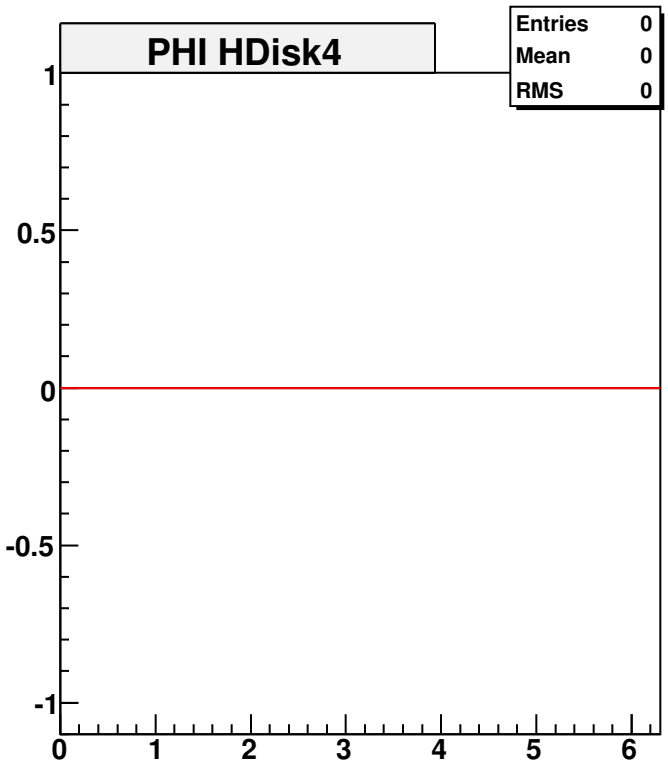


SmtClusters (FDiskClusters)

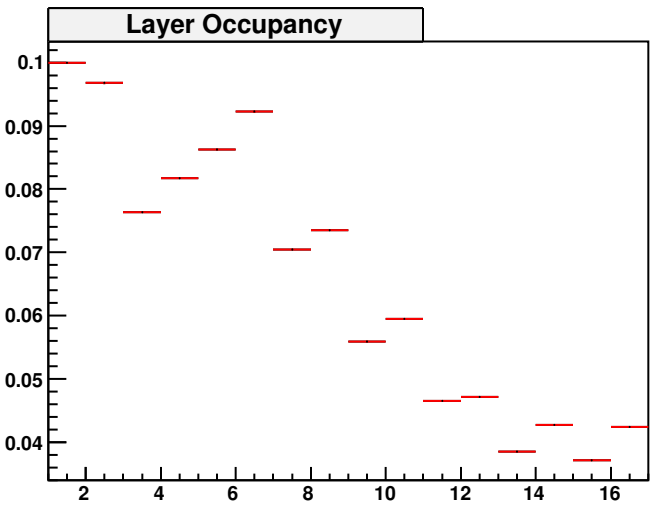


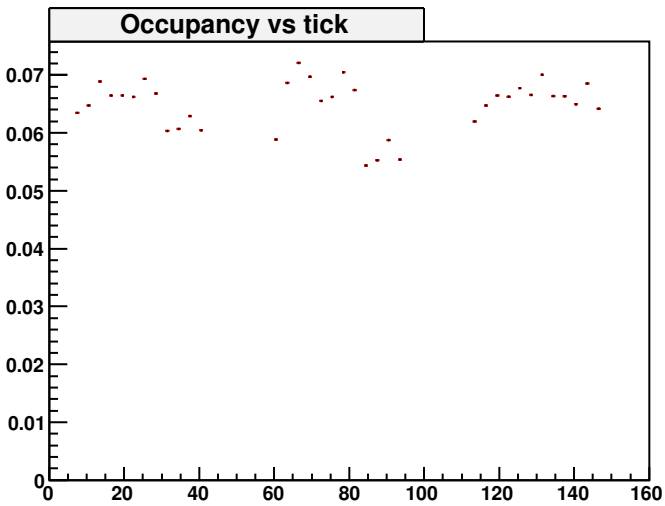


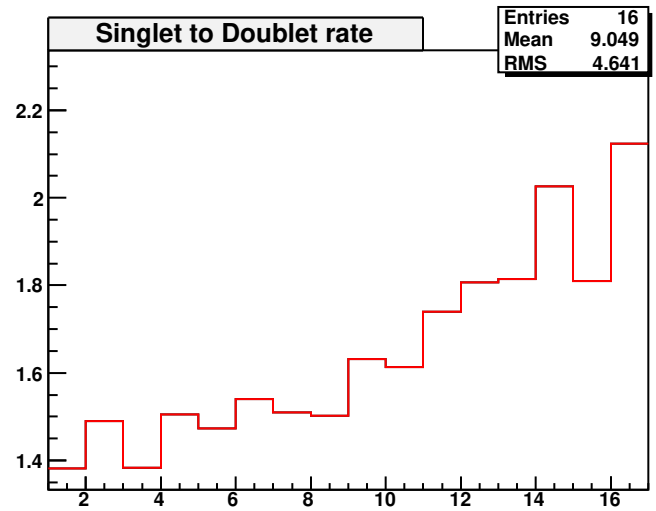


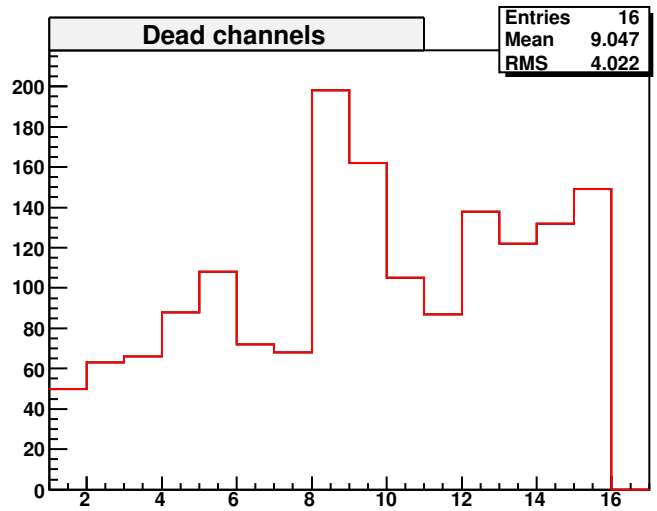


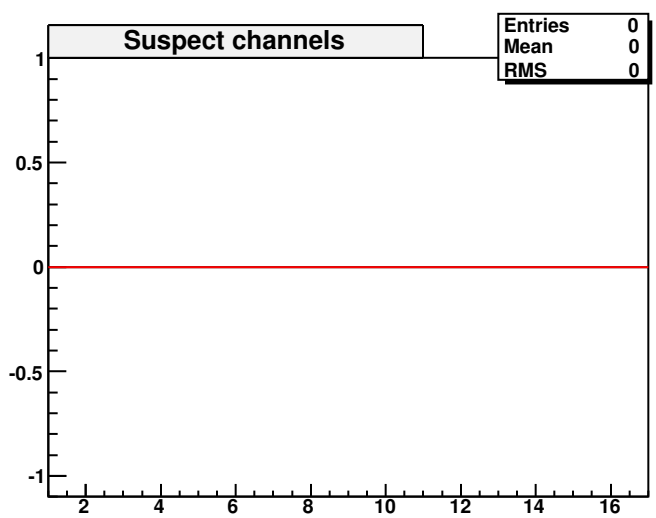
SmtClusters (HDiskClusters)

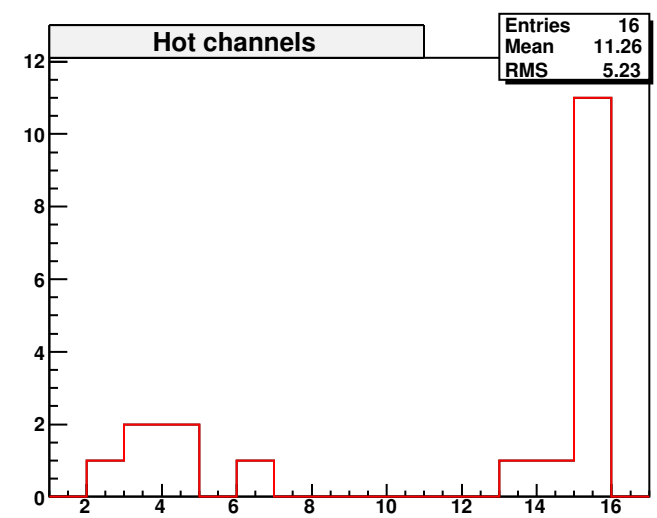




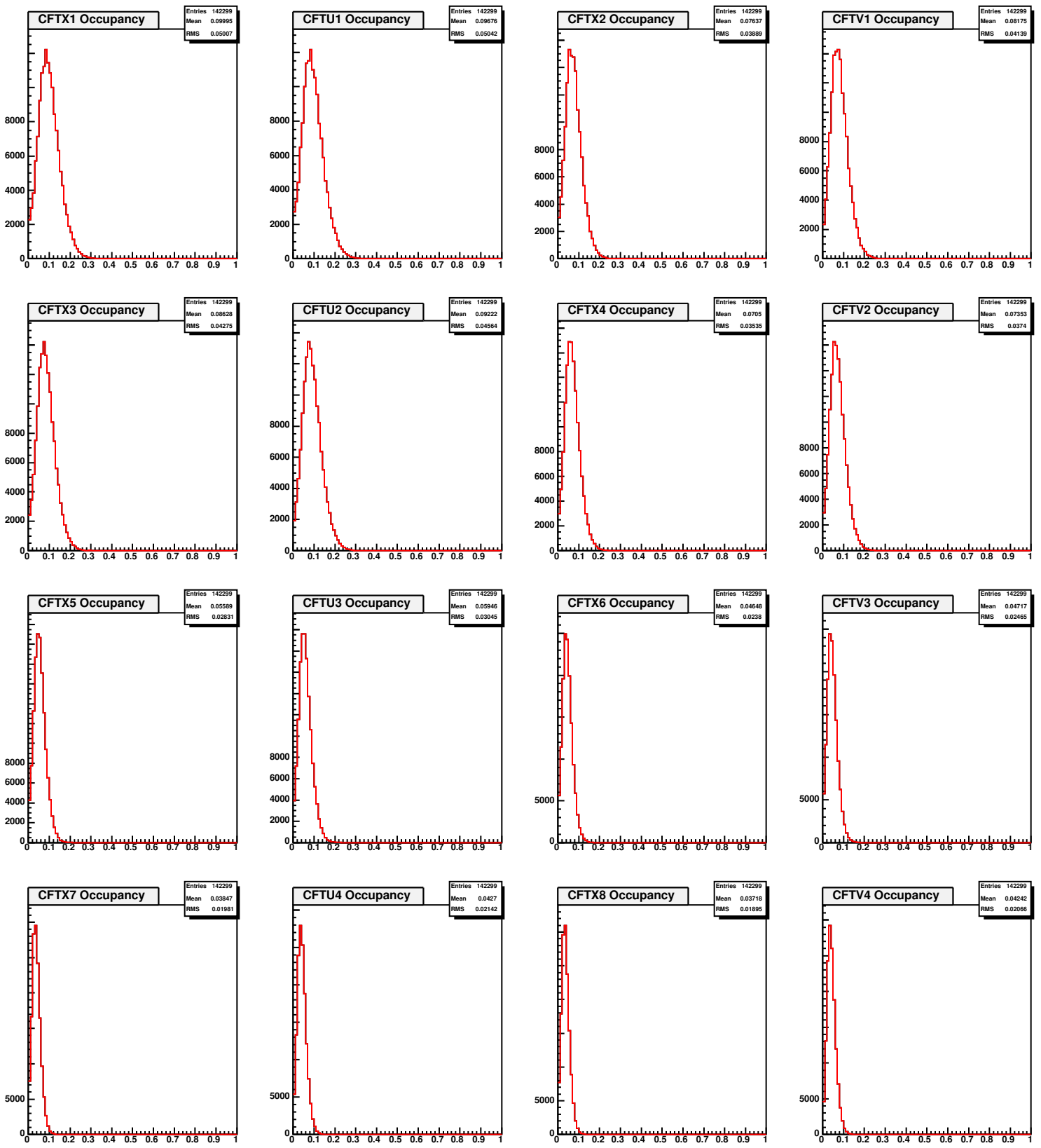




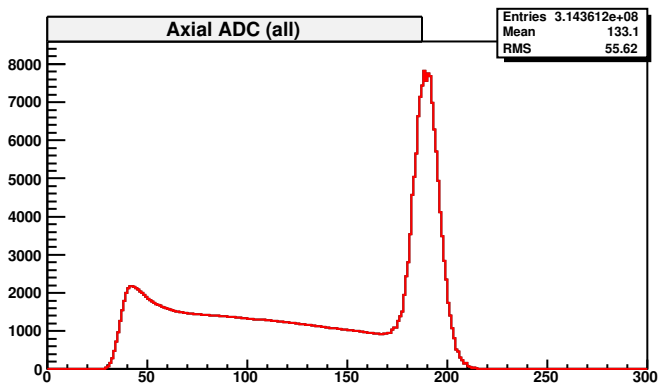


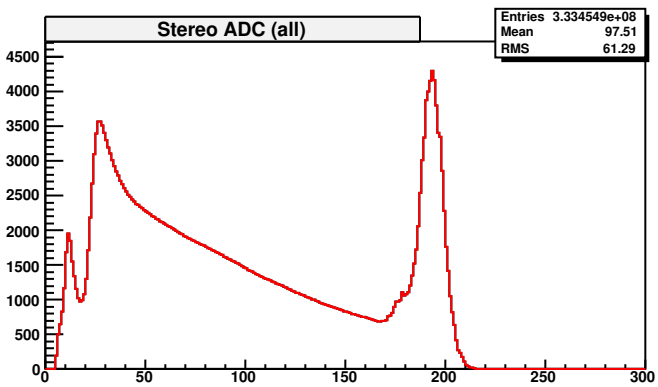


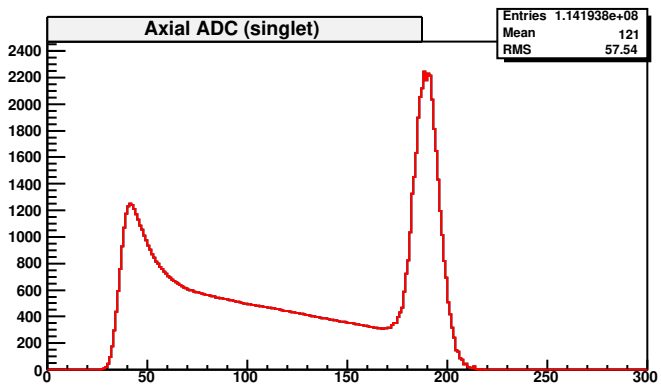
CFT Summary (All Clusters)

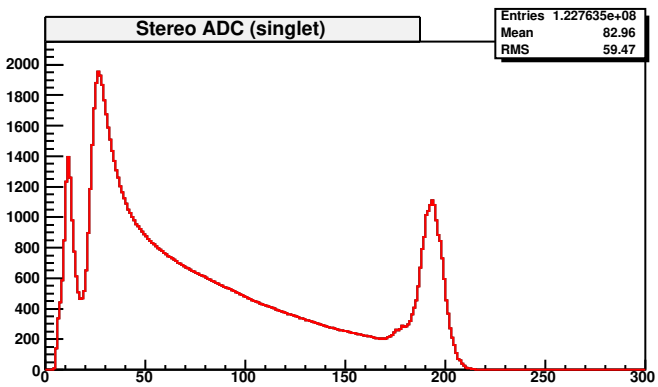


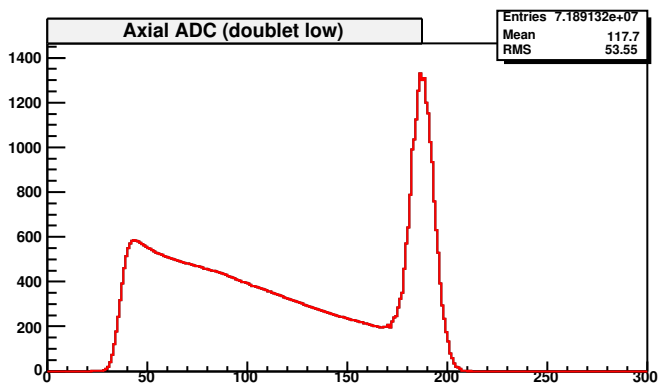
CFT Occupancy (All Clusters)

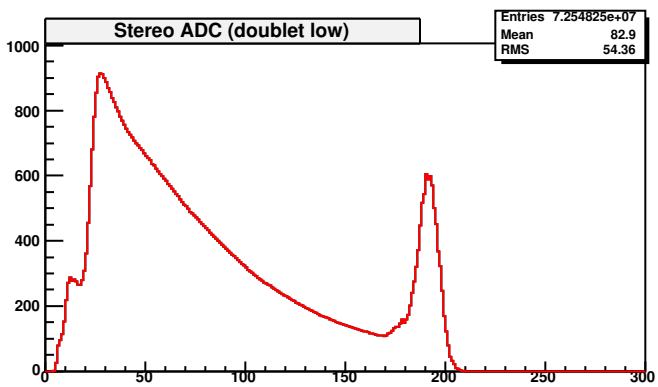


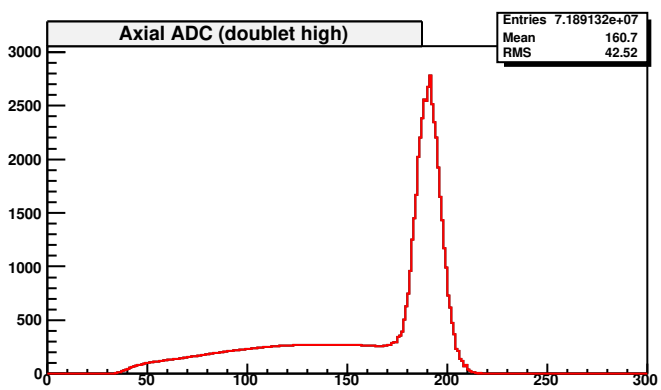


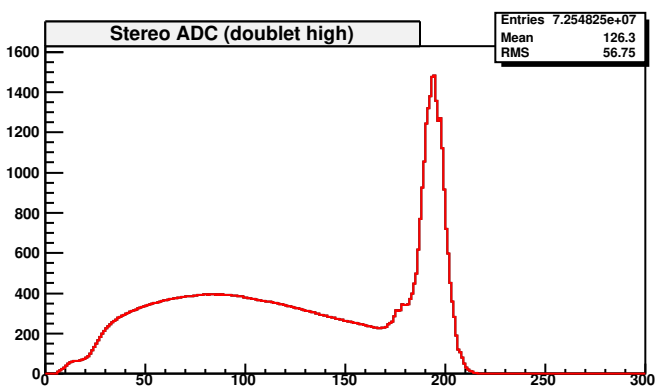




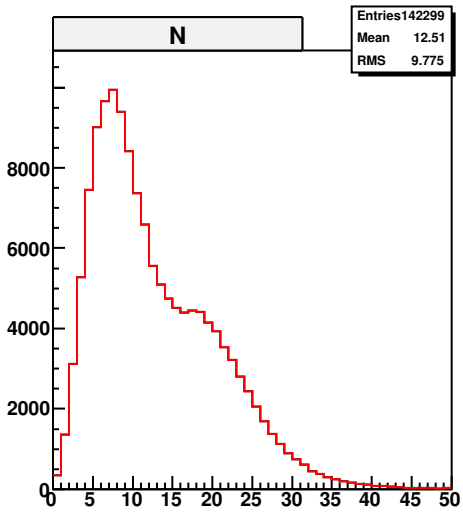


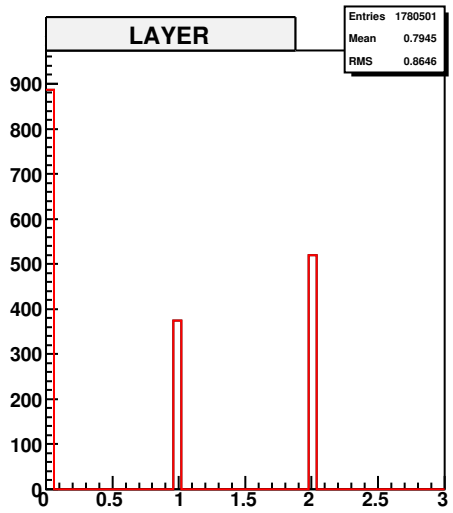


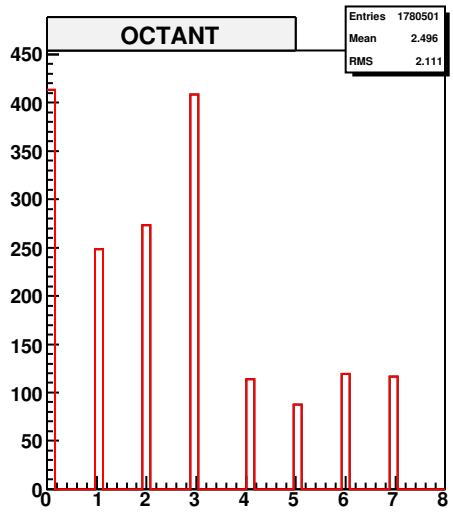


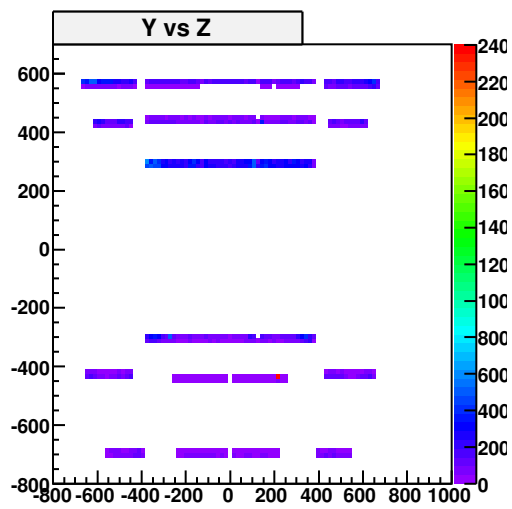


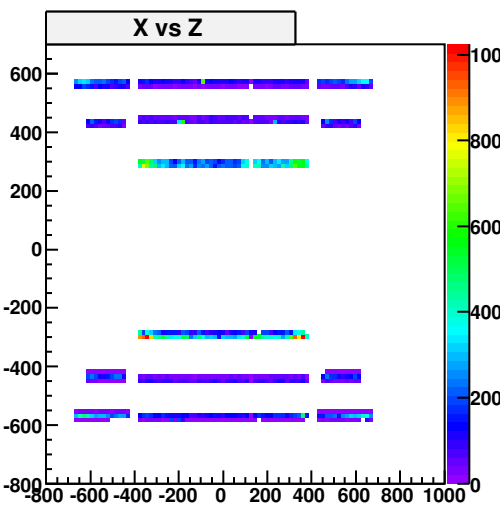
CFT ADC Summary (All Clusters)

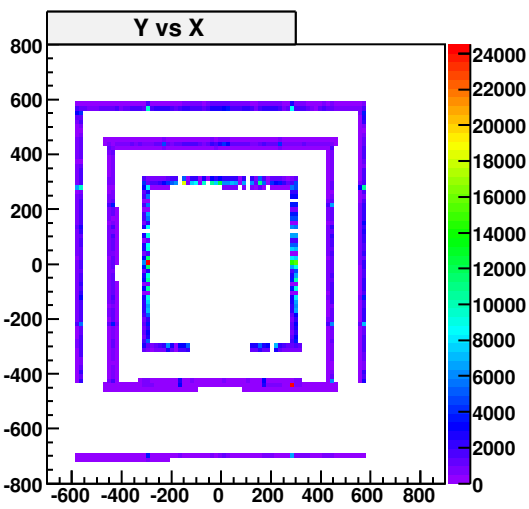

N
Entries 142299
Mean 12.51
RMS 9.775

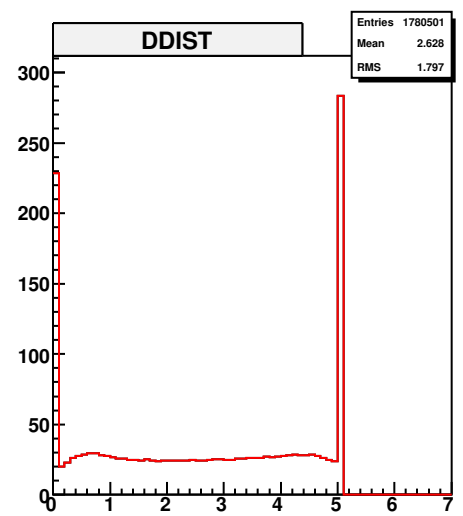

LAYER
Entries 1780501
Mean 0.7945
RMS 0.8646

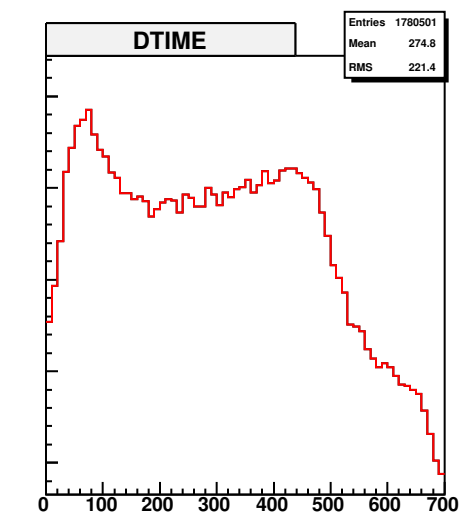

OCTANT
Entries 1780501
Mean 2.496
RMS 2.111


Y vs Z

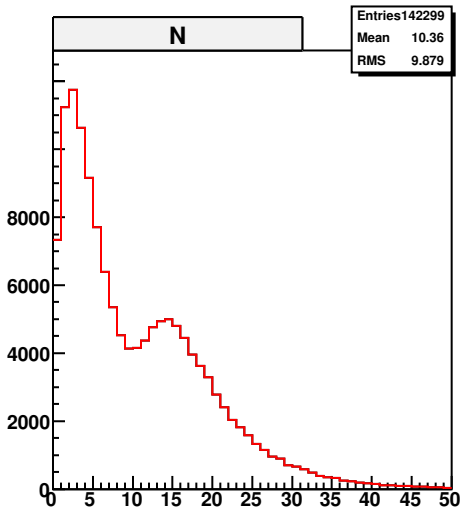

X vs Z

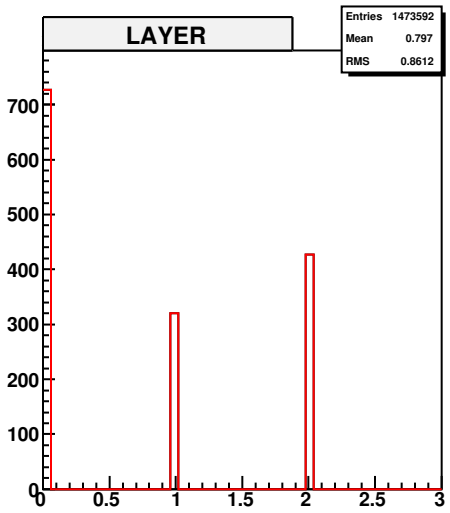

Y vs X

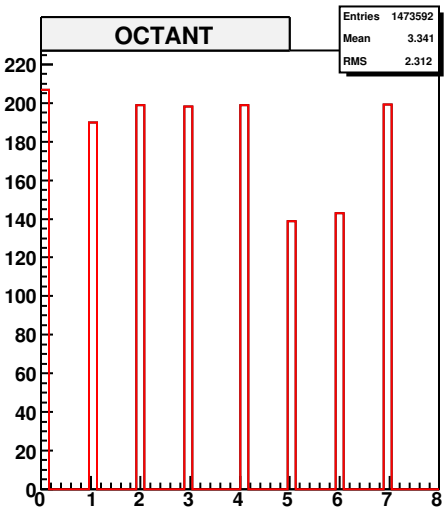

DDIST
Entries 1780501
Mean 2.628
RMS 1.797

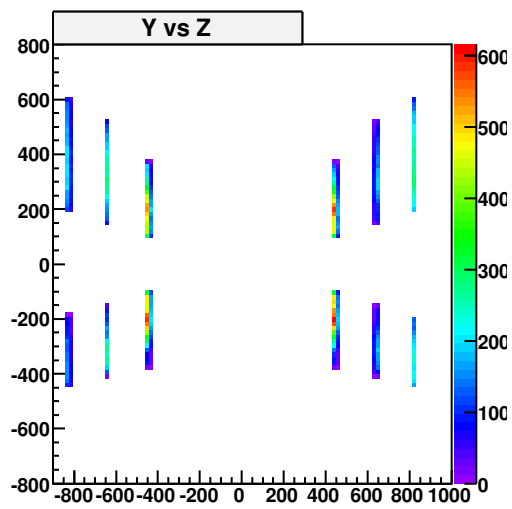

DTIME
Entries 1780501
Mean 274.8
RMS 221.4

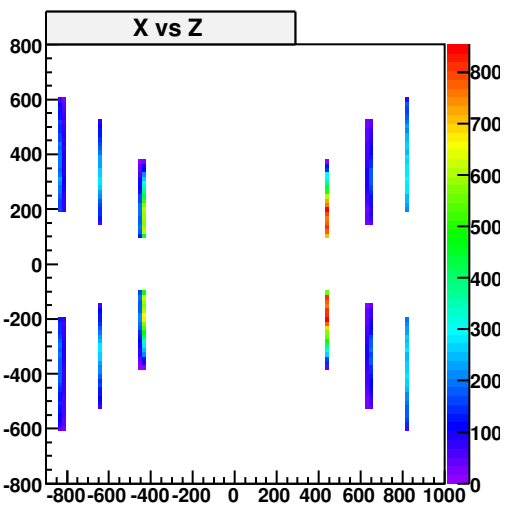
MuonPDT (All)

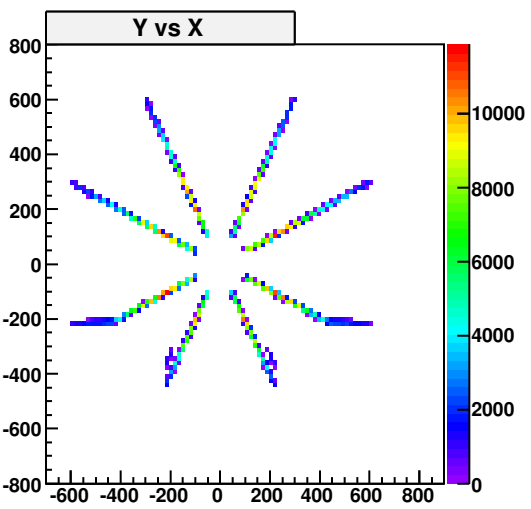

N
Entries 142299
Mean 10.36
RMS 9.879

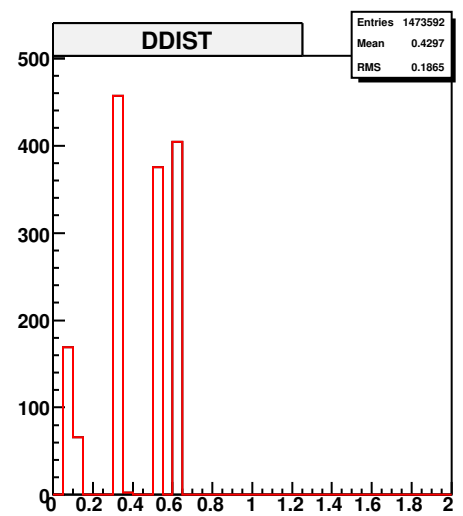

LAYER
Entries 1473592
Mean 0.797
RMS 0.8612


OCTANT
Entries 1473592
Mean 3.341
RMS 2.312


Y vs Z


X vs Z


Y vs X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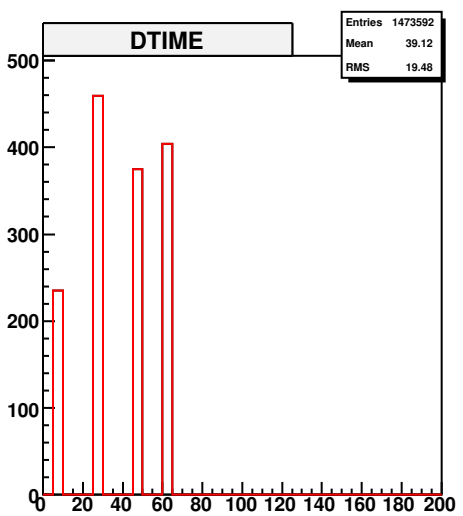
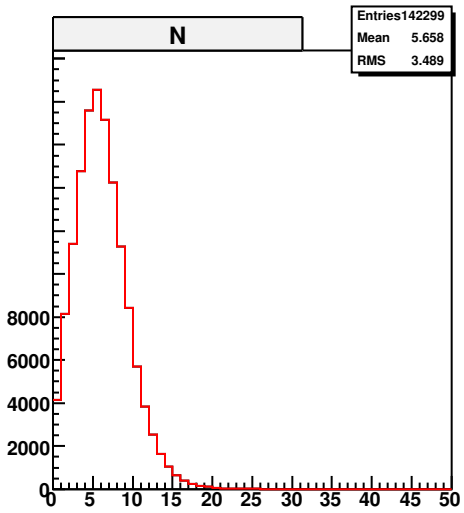
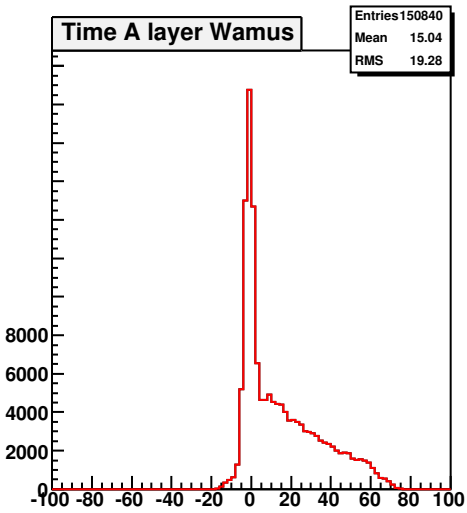
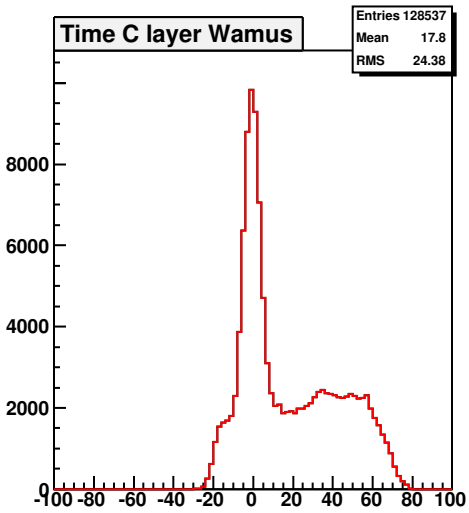
Mean 0.4297
RMS 0.1865

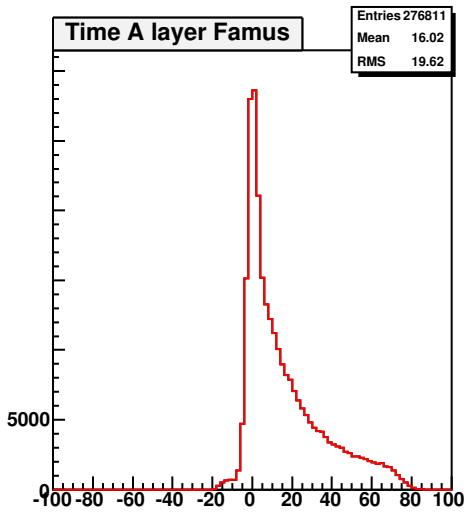

DTIME
Entries 1473592
Mean 39.12
RMS 19.48

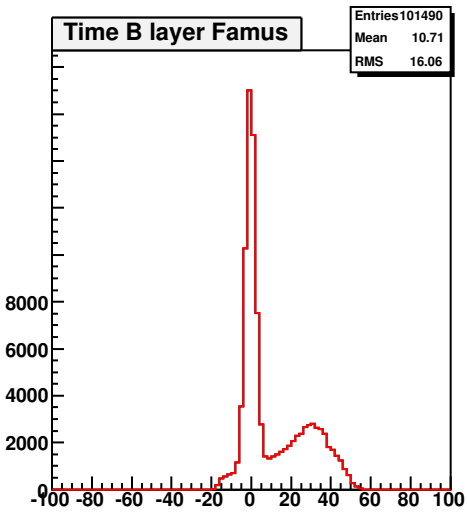
MuonMDT (All)

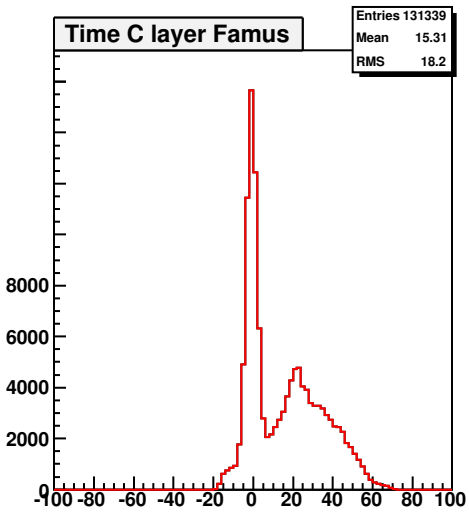

N
Entries 142299
Mean 5.658
RMS 3.489

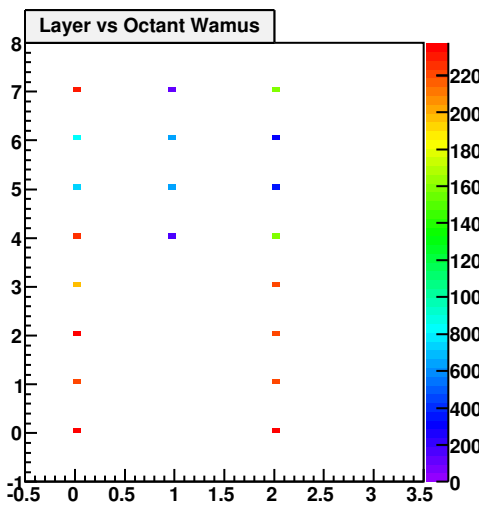

Time A layer Wamus
Entries 150840
Mean 15.04
RMS 19.28

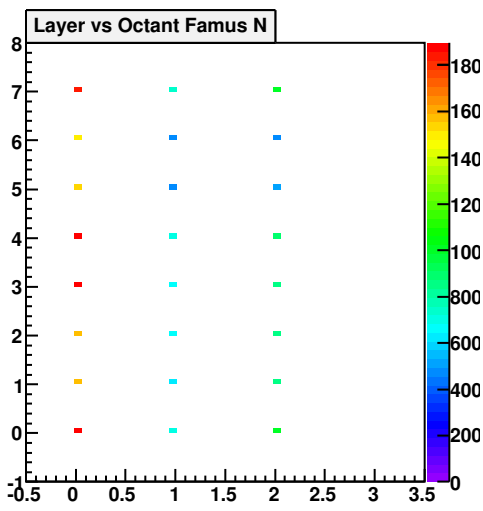

Time C layer Wamus
Entries 128537
Mean 17.8
RMS 24.38

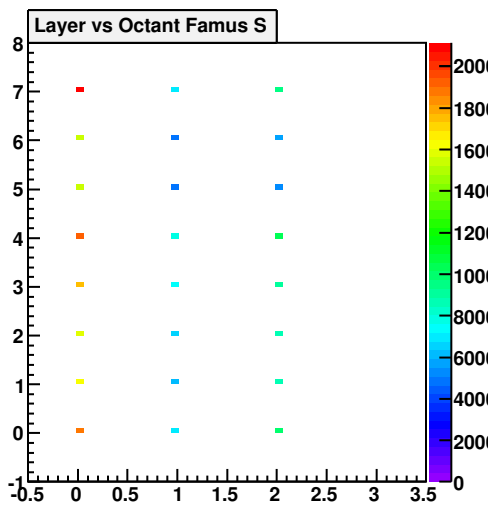

Time A layer Famus
Entries 276811
Mean 16.02
RMS 19.62


Time B layer Famus
Entries 101490
Mean 10.71
RMS 16.06

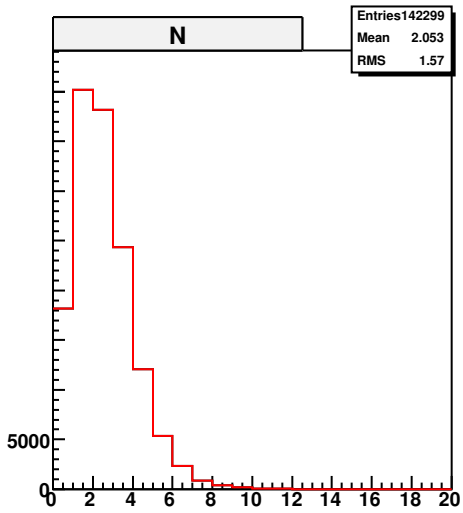

Time C layer Famus
Entries 131339
Mean 15.31
RMS 18.2

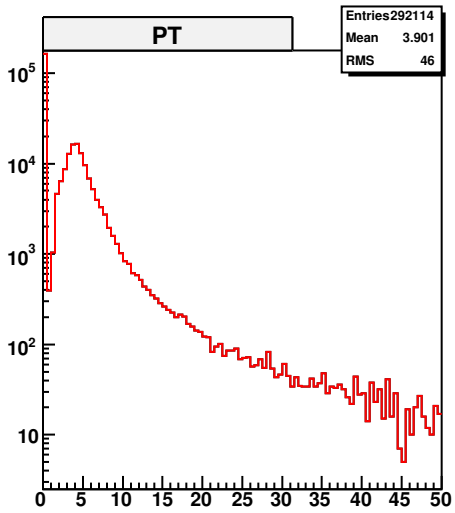

Layer vs Octant Wamus

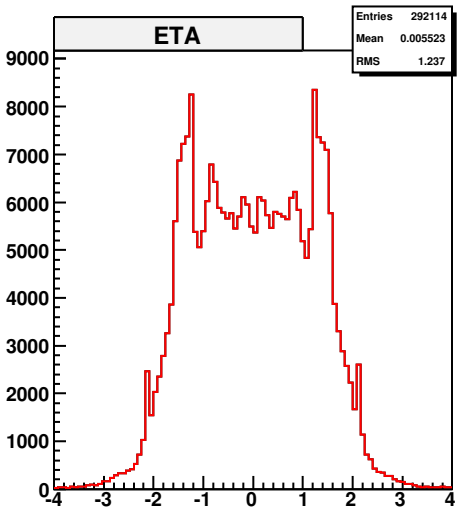

Layer vs Octant Famus N

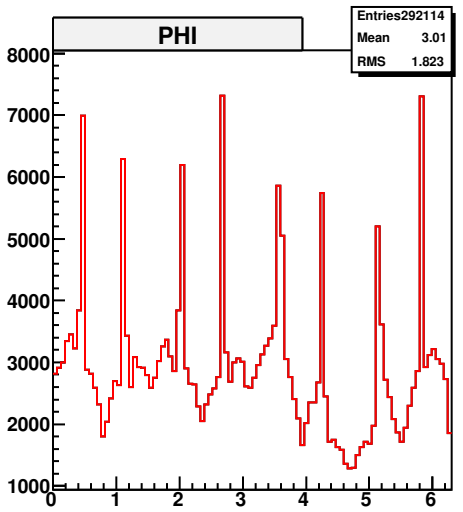

Layer vs Octant Famus S

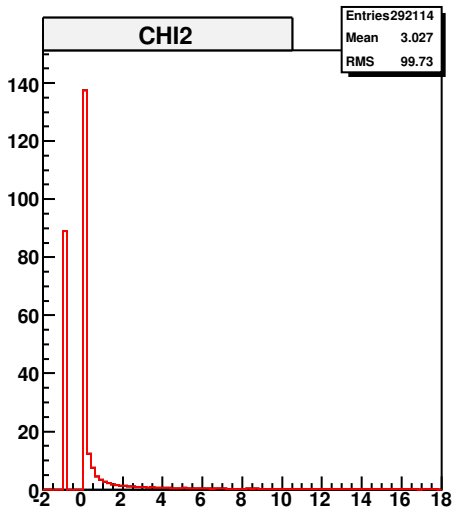
MuonMSC (All)

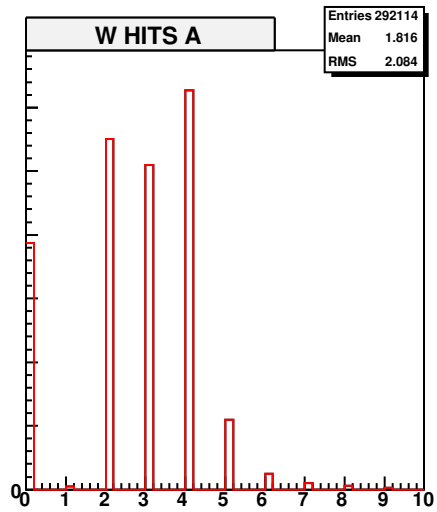


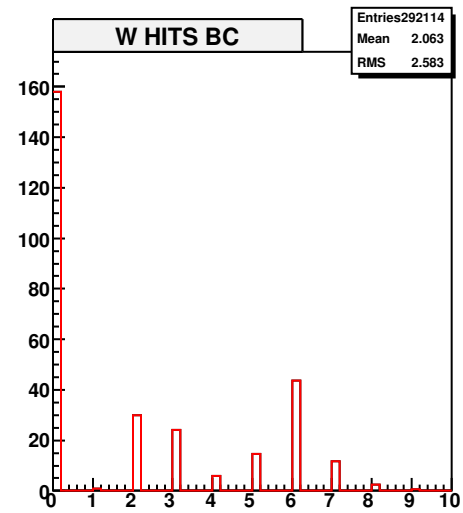


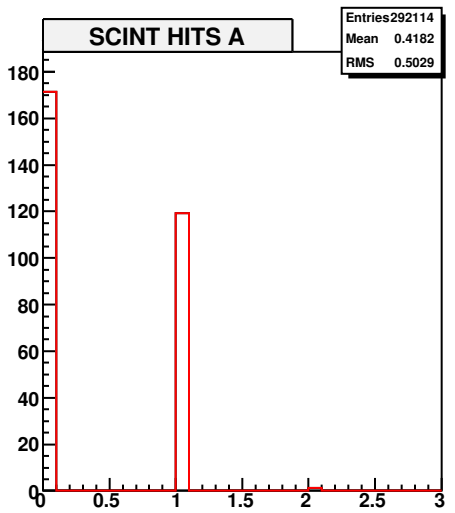


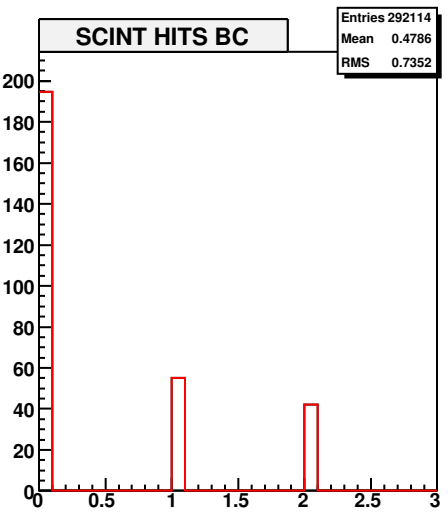




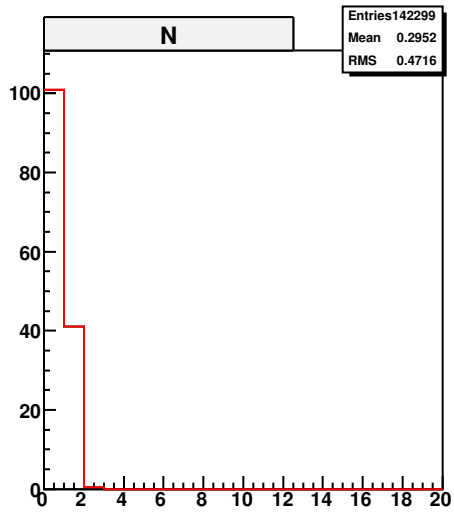


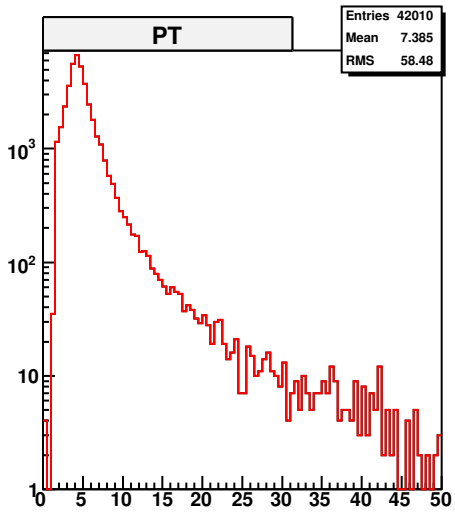


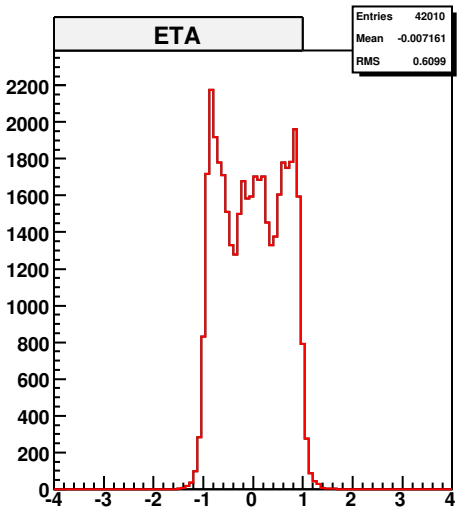


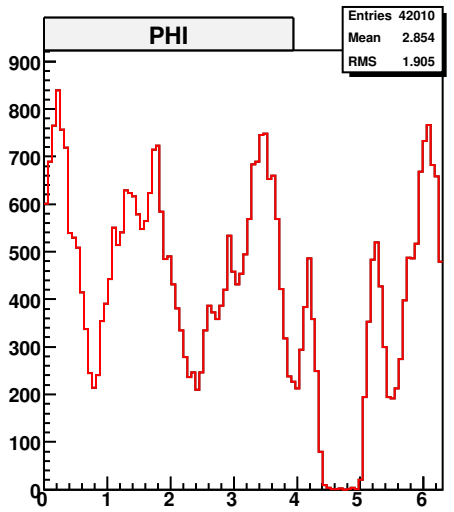


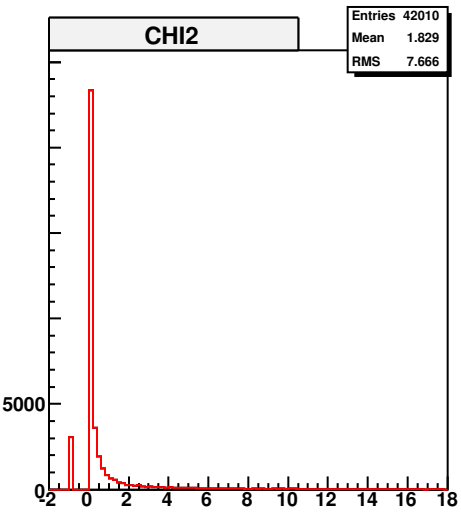
Muon Local Tracks (All)

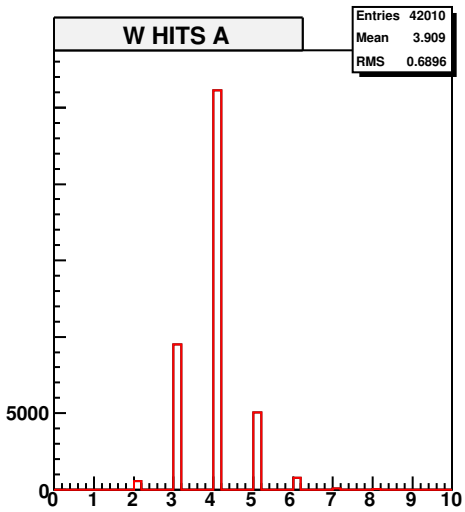


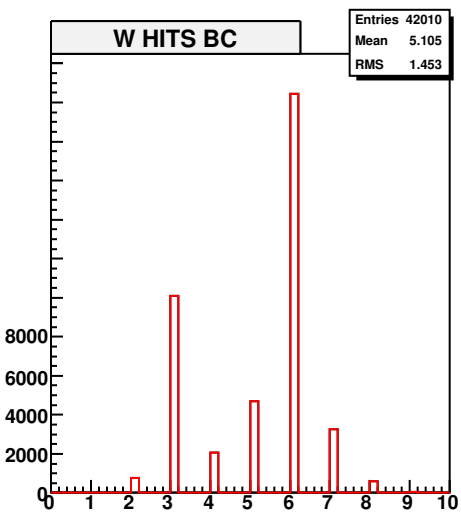


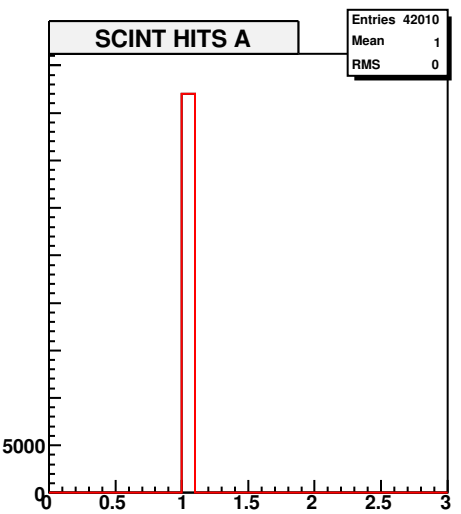


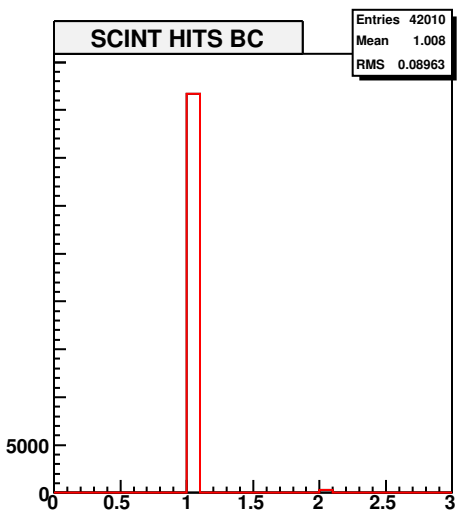




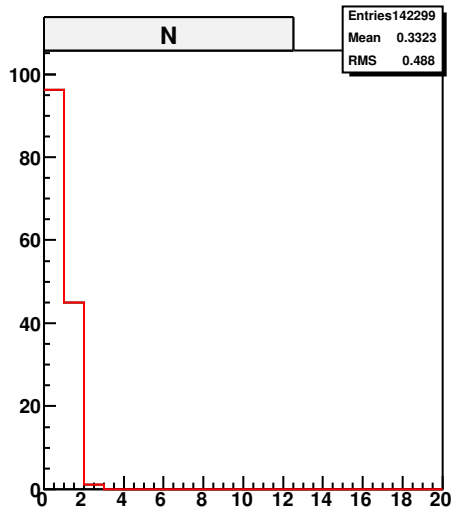


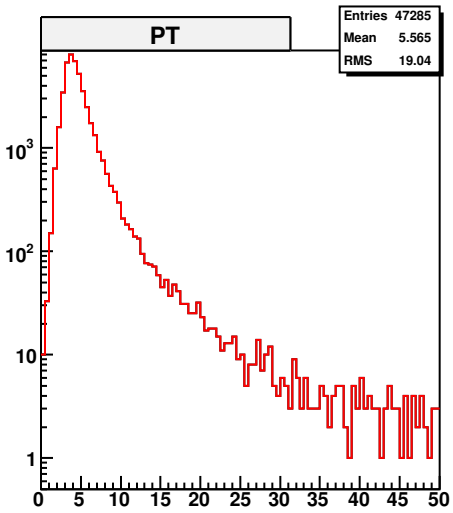


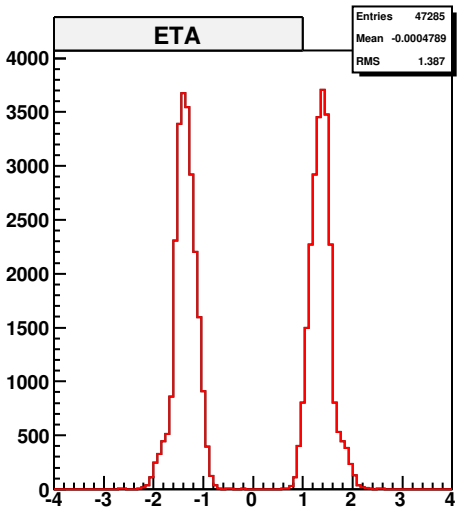


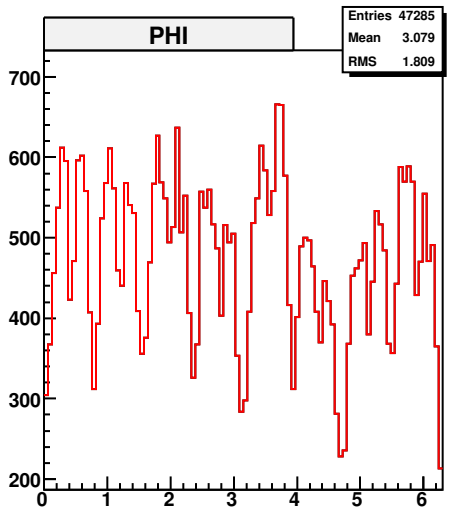


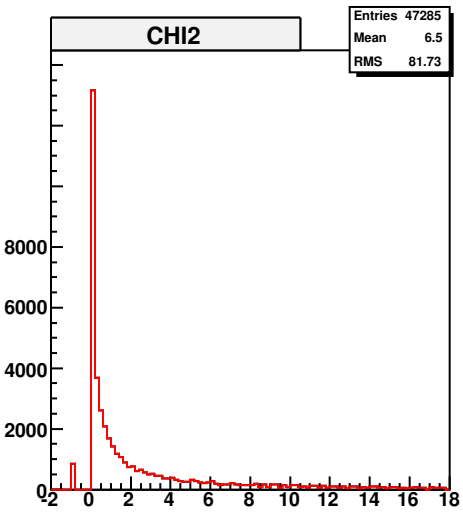
Muon Local Tracks (MediumWamus)

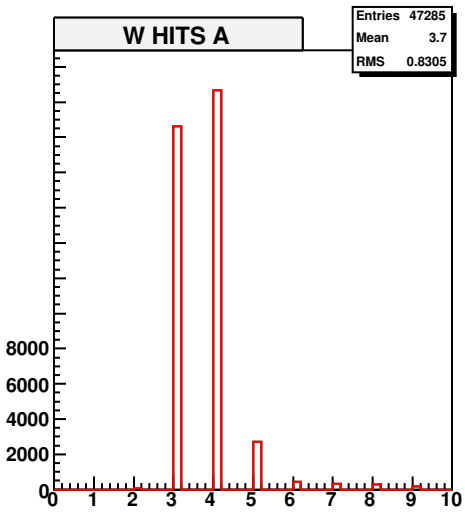


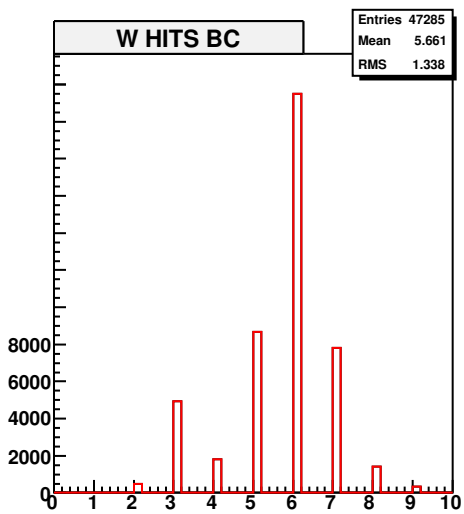


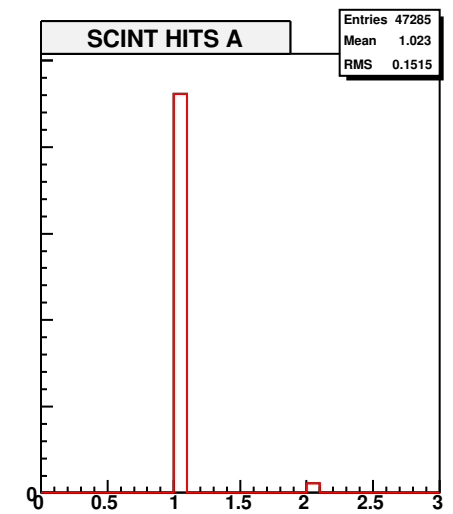


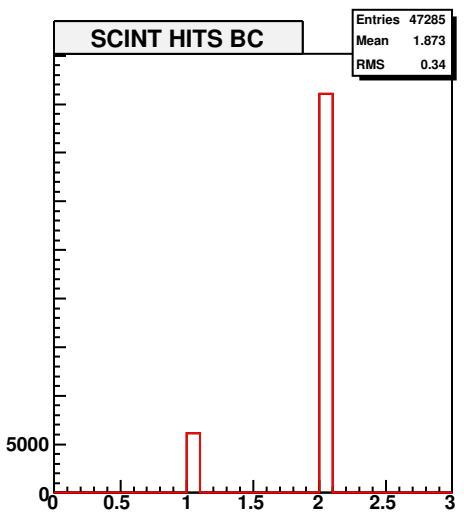




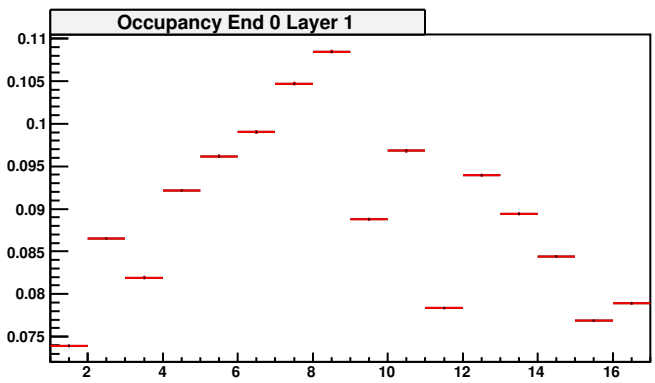


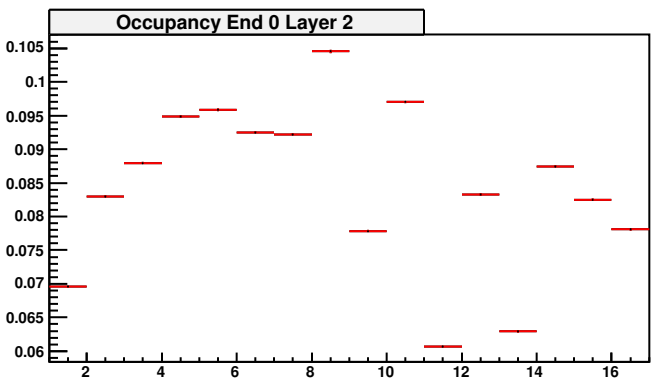


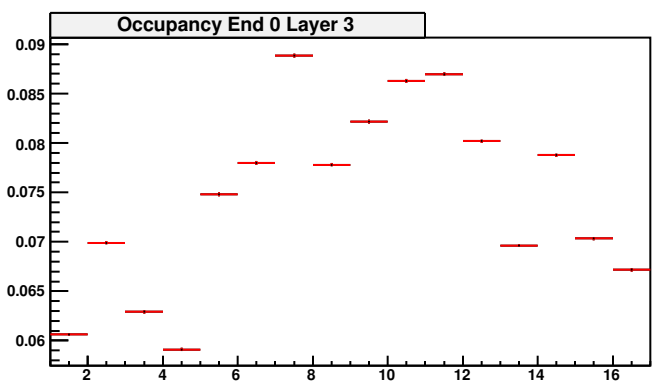


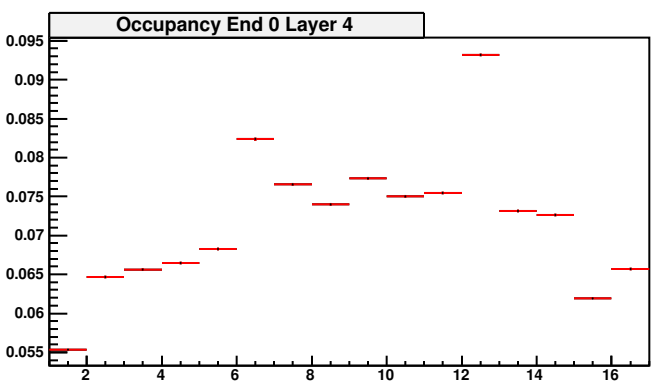


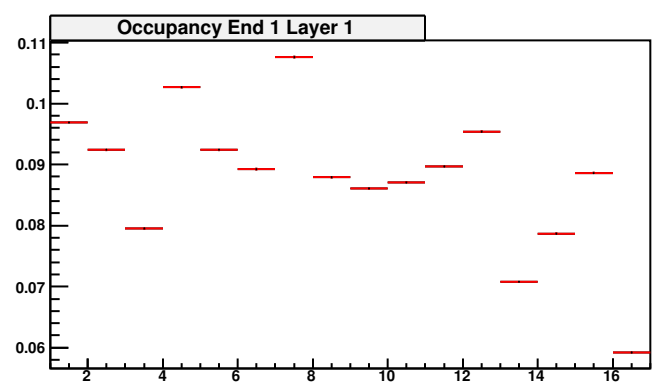
Muon Local Tracks (MediumFamus)

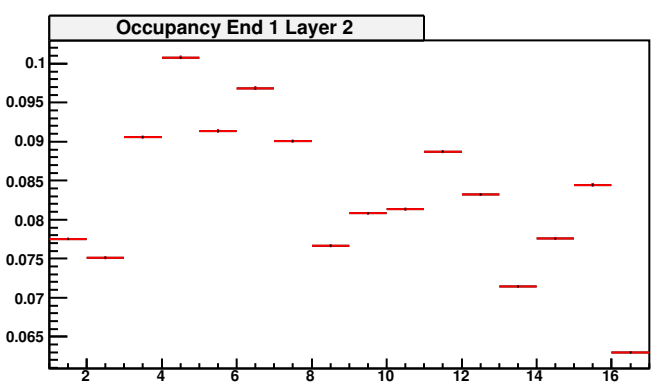


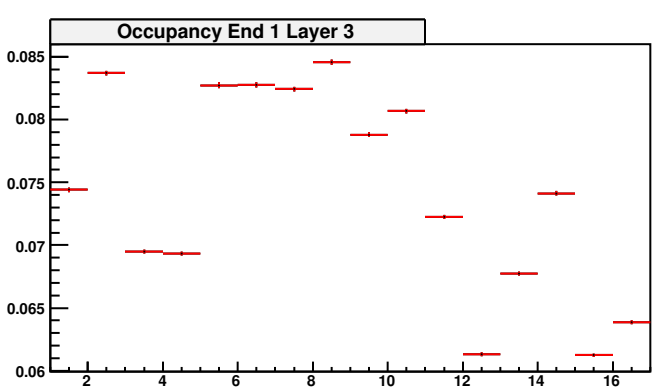


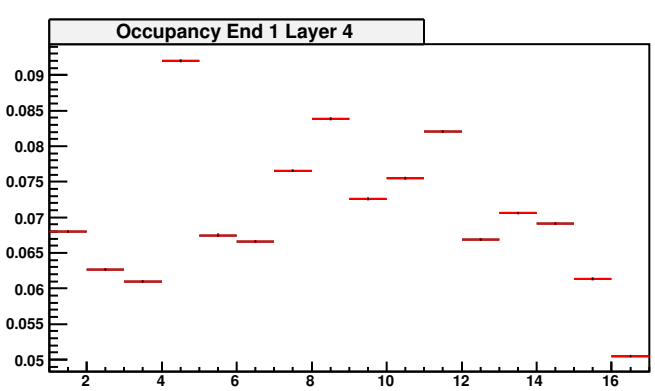




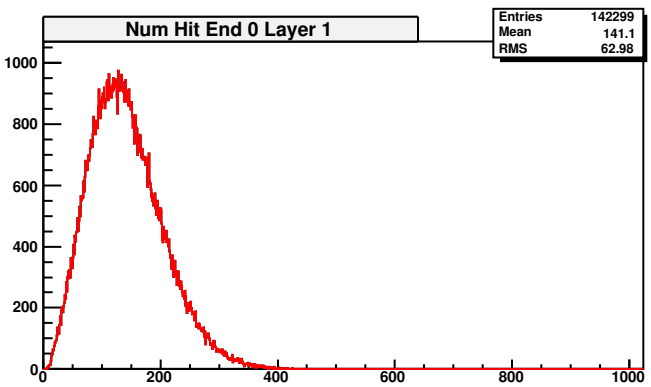


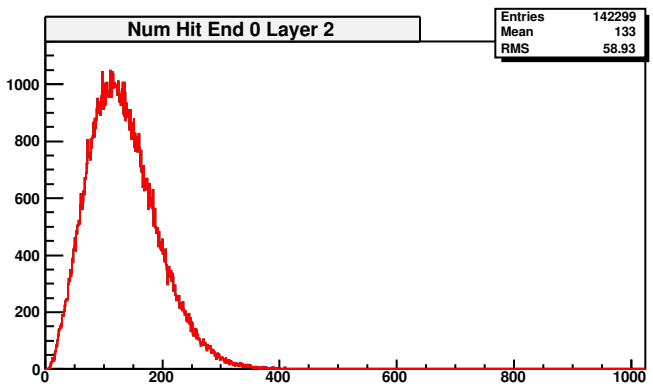


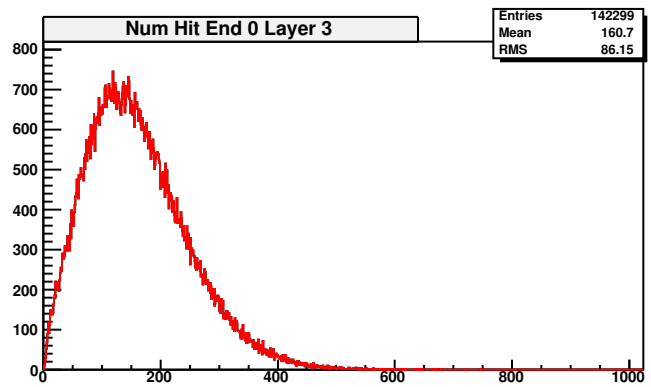


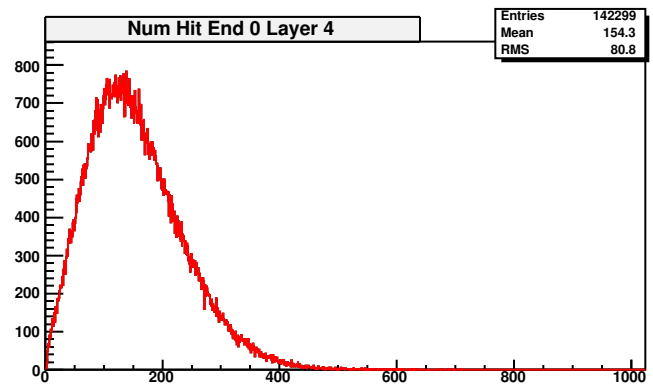


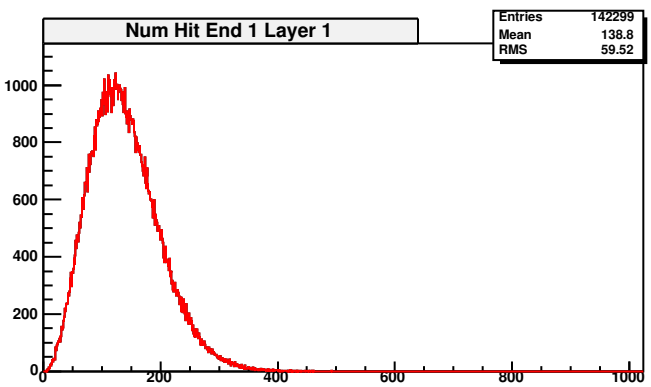
FPS Hit Occupancy (All)

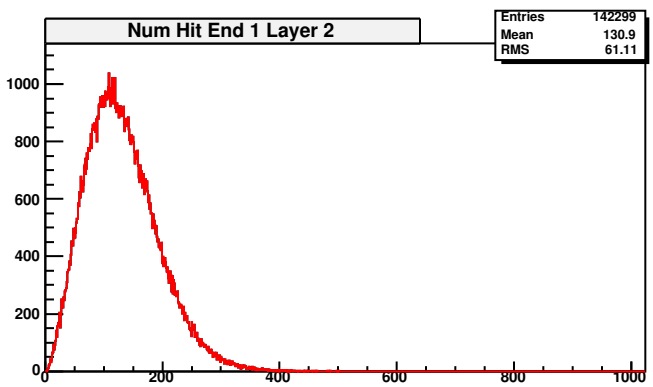


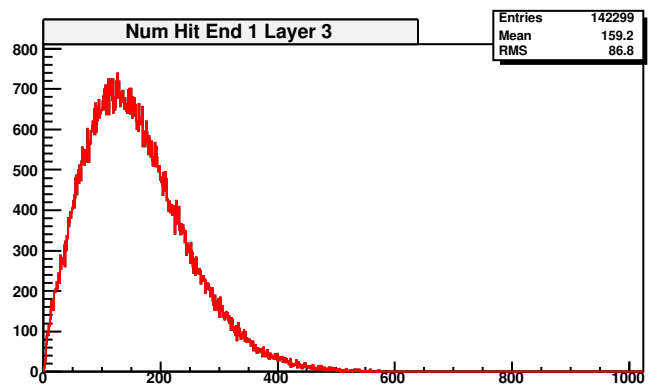


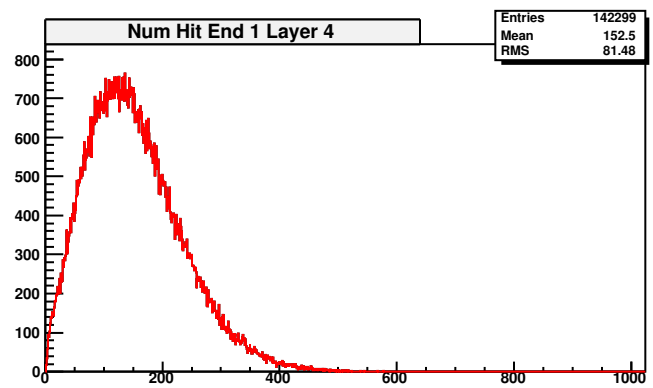




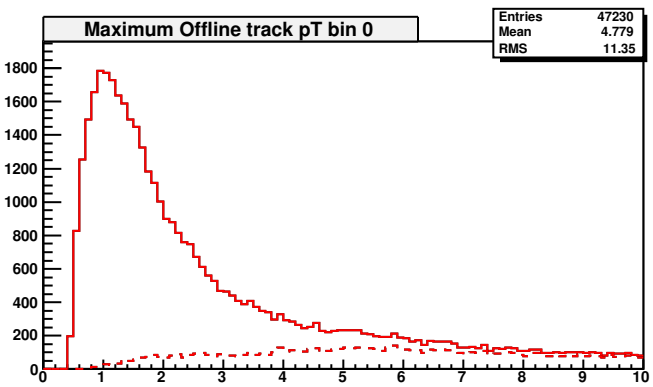


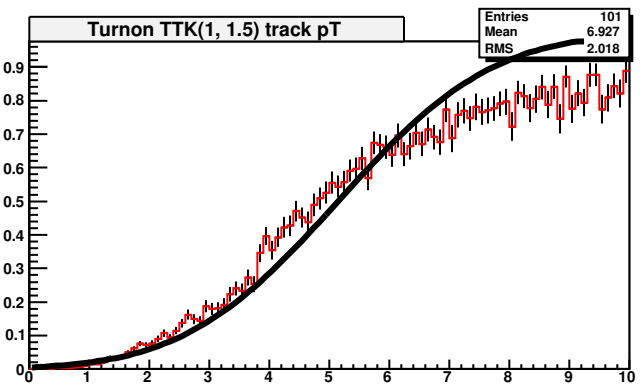


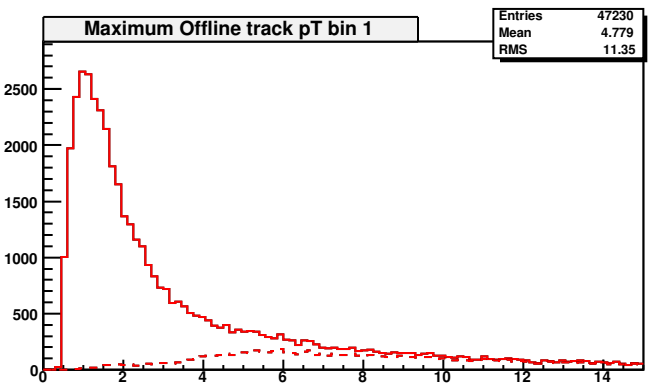


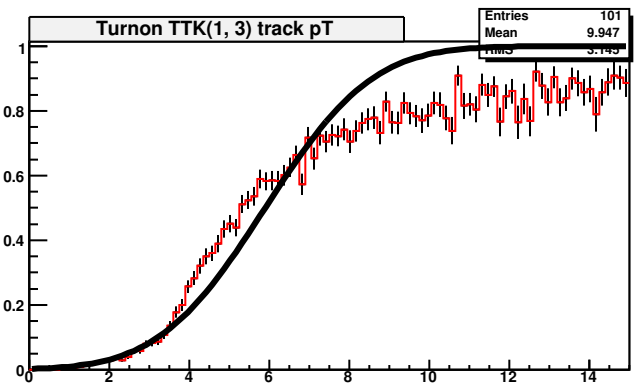


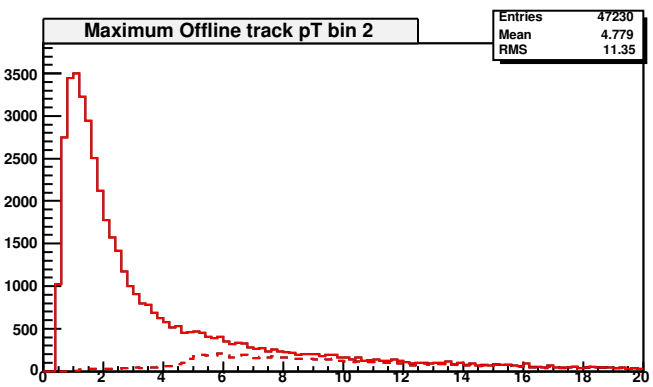
FPS Number of Hits (All)

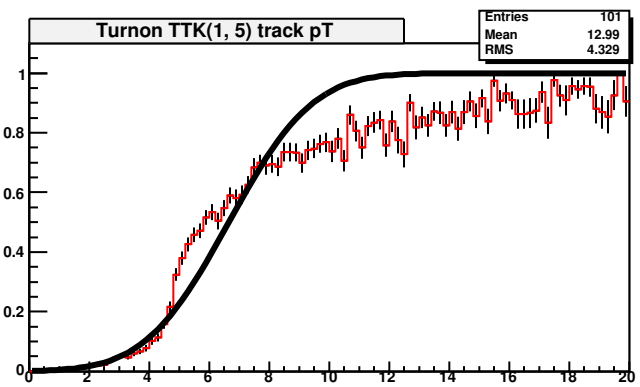


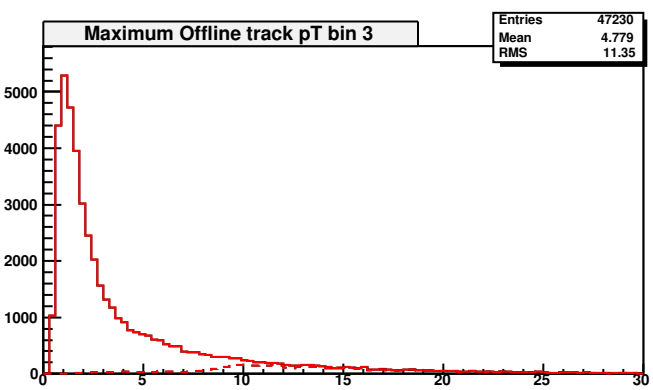


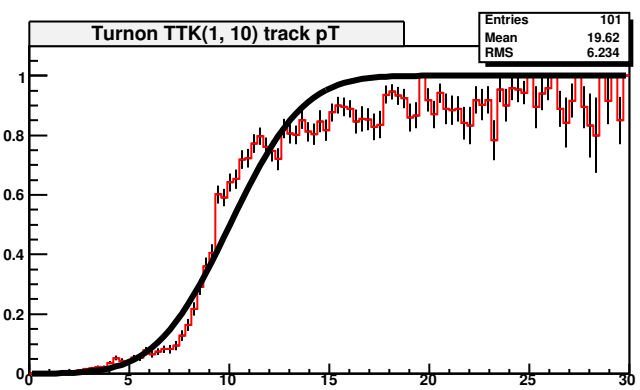




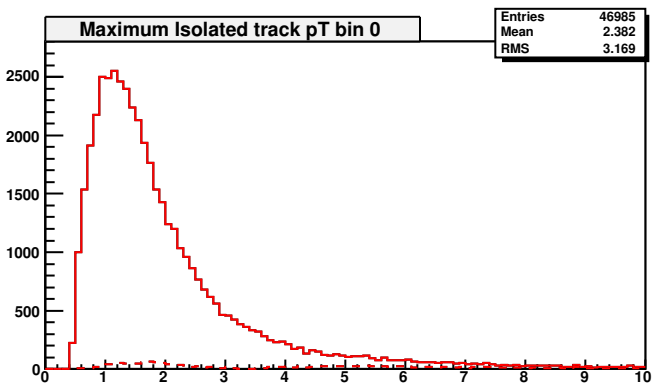


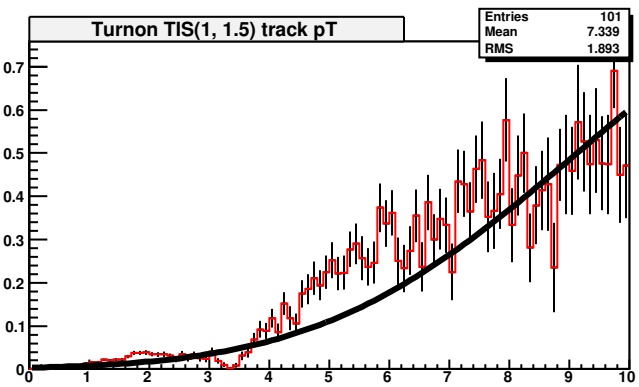


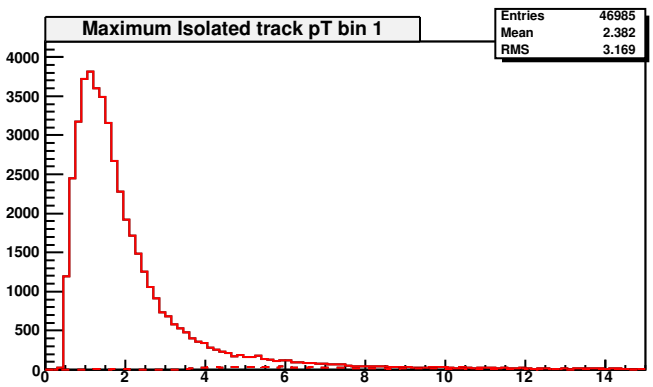


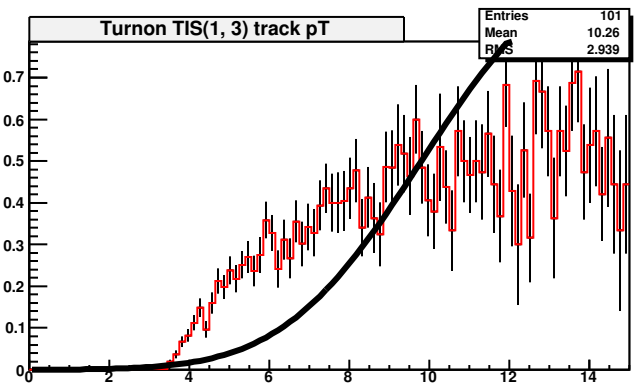


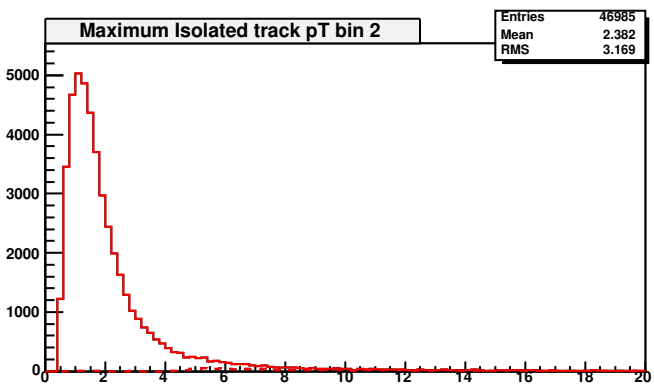
TTK Turnon curves (L1CTT All)

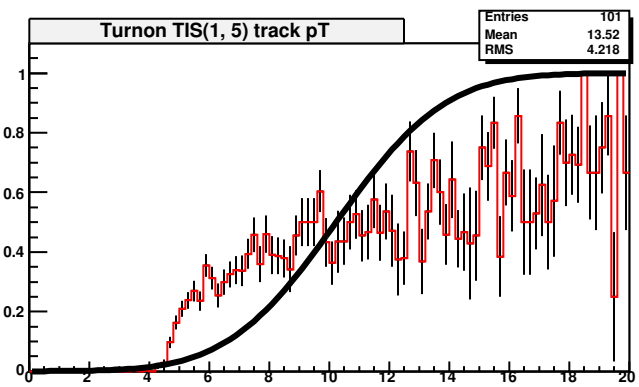


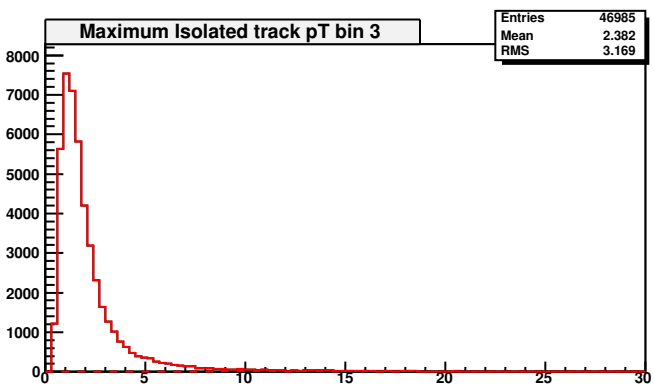


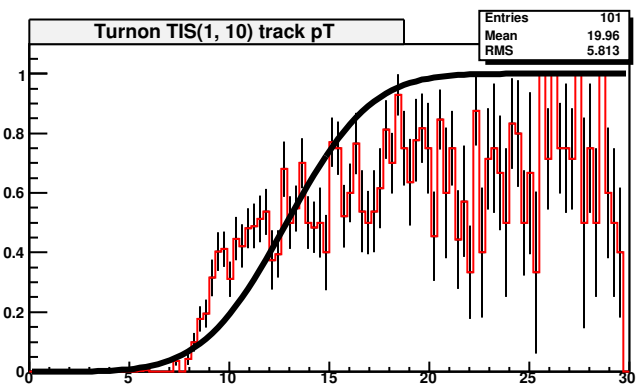




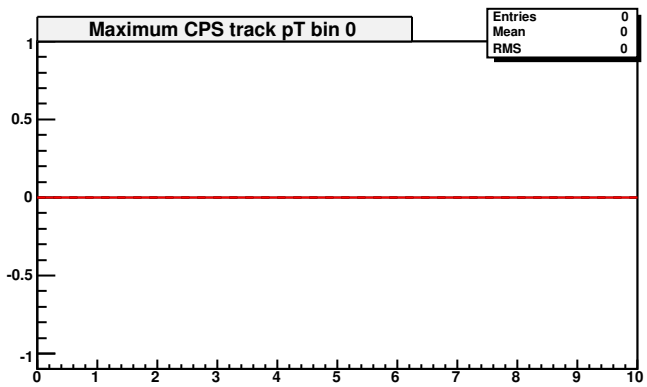


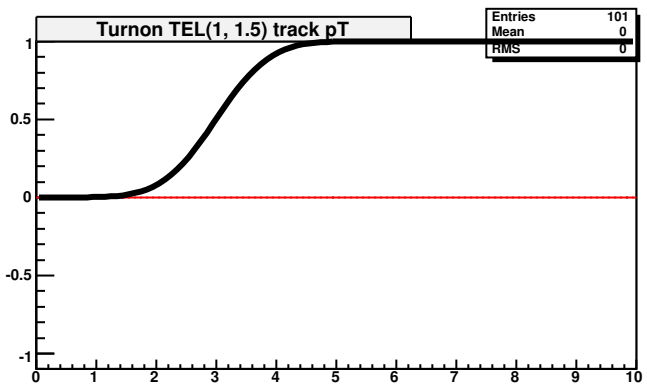


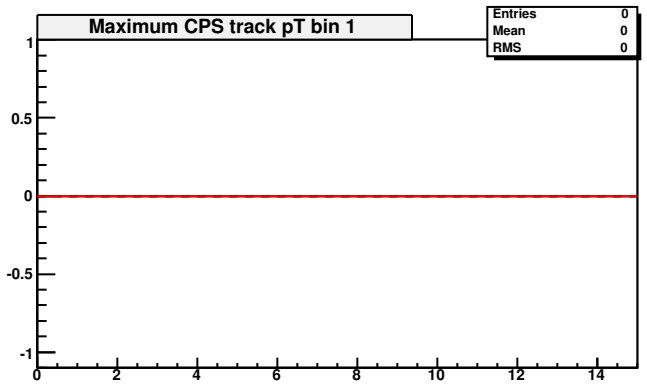


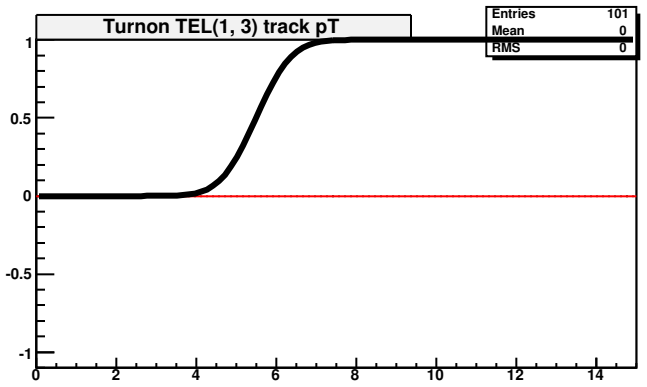


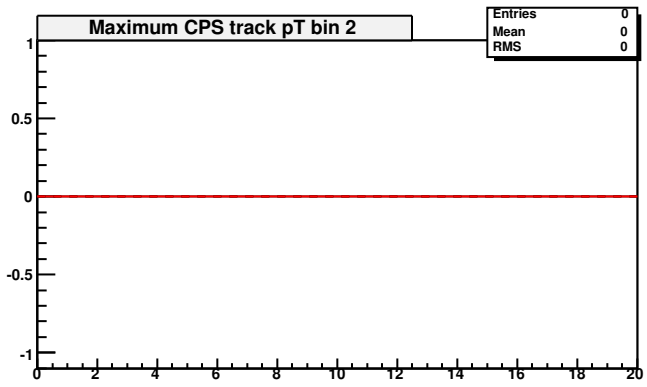
TIS Turnon curves (L1CTT All)

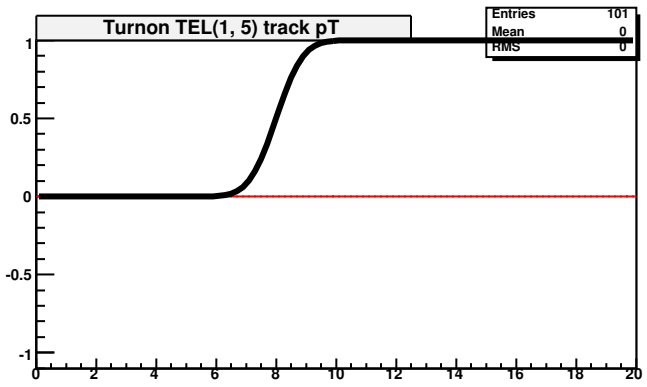


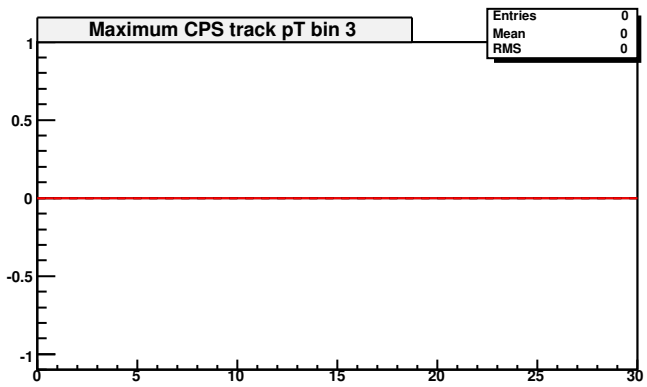


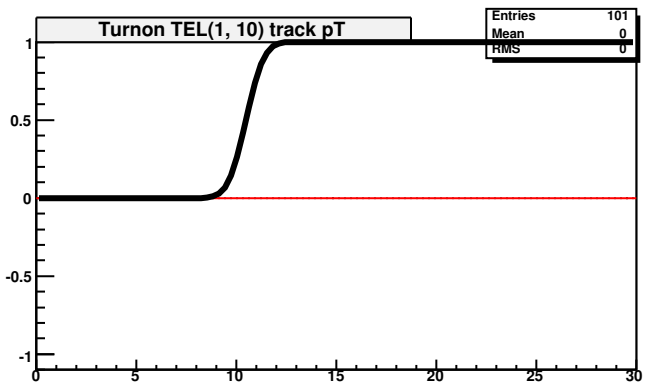




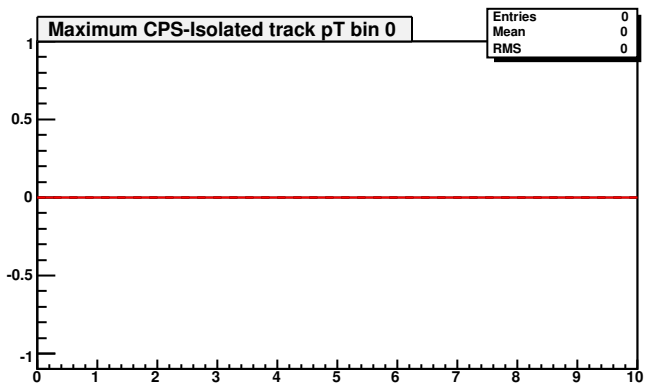


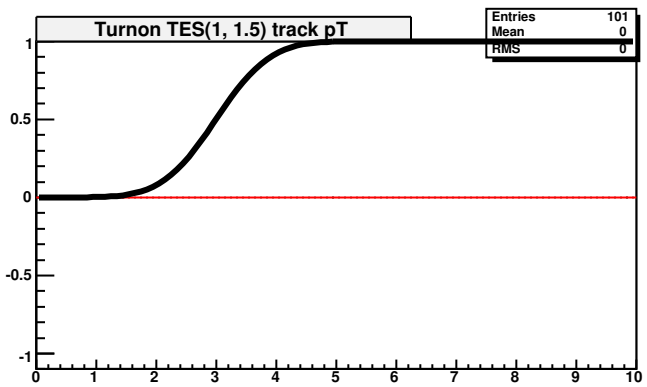


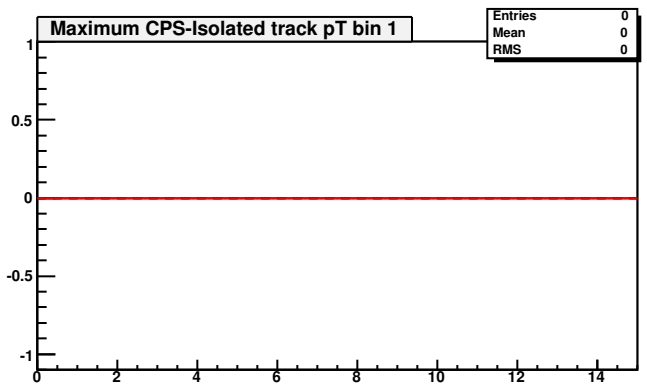


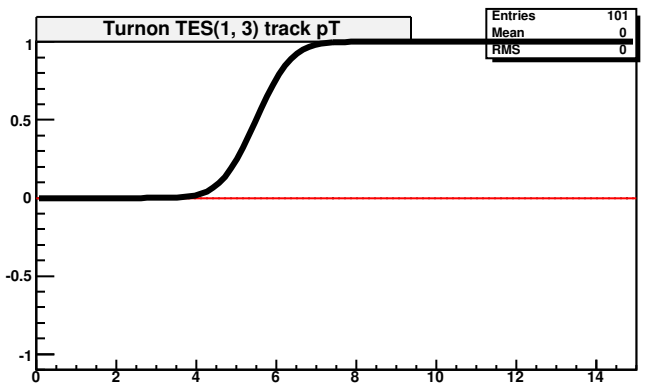


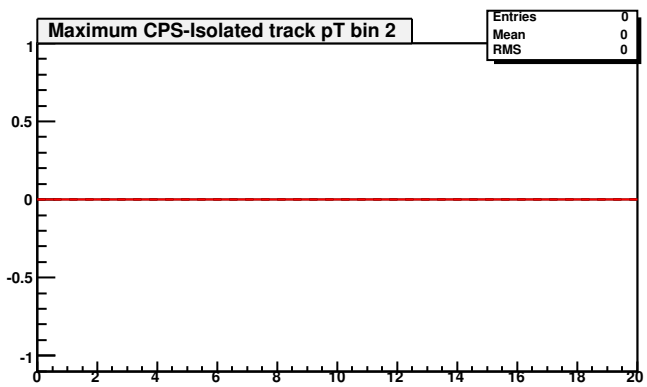
TEL Turnon curves (L1CTT All)

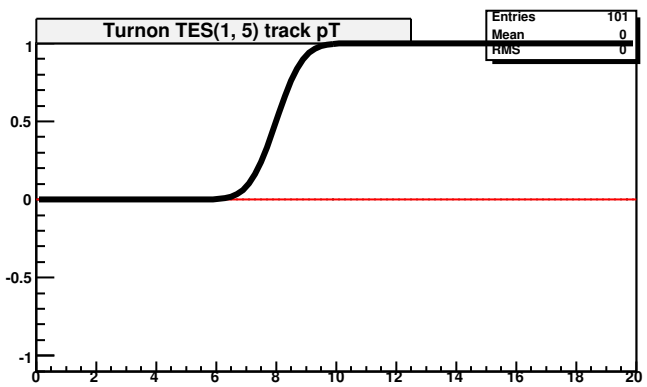


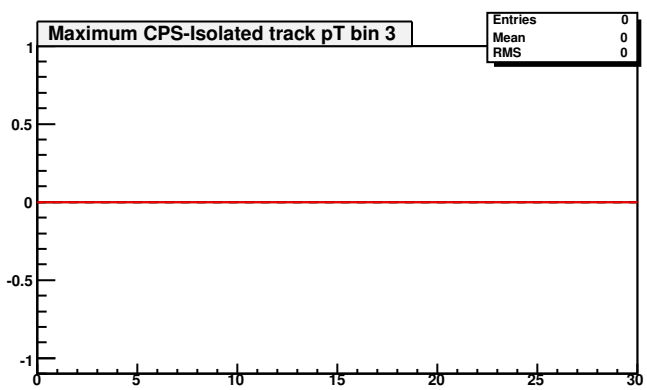


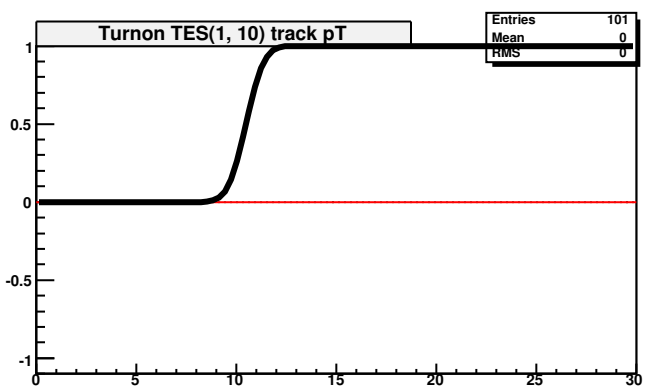




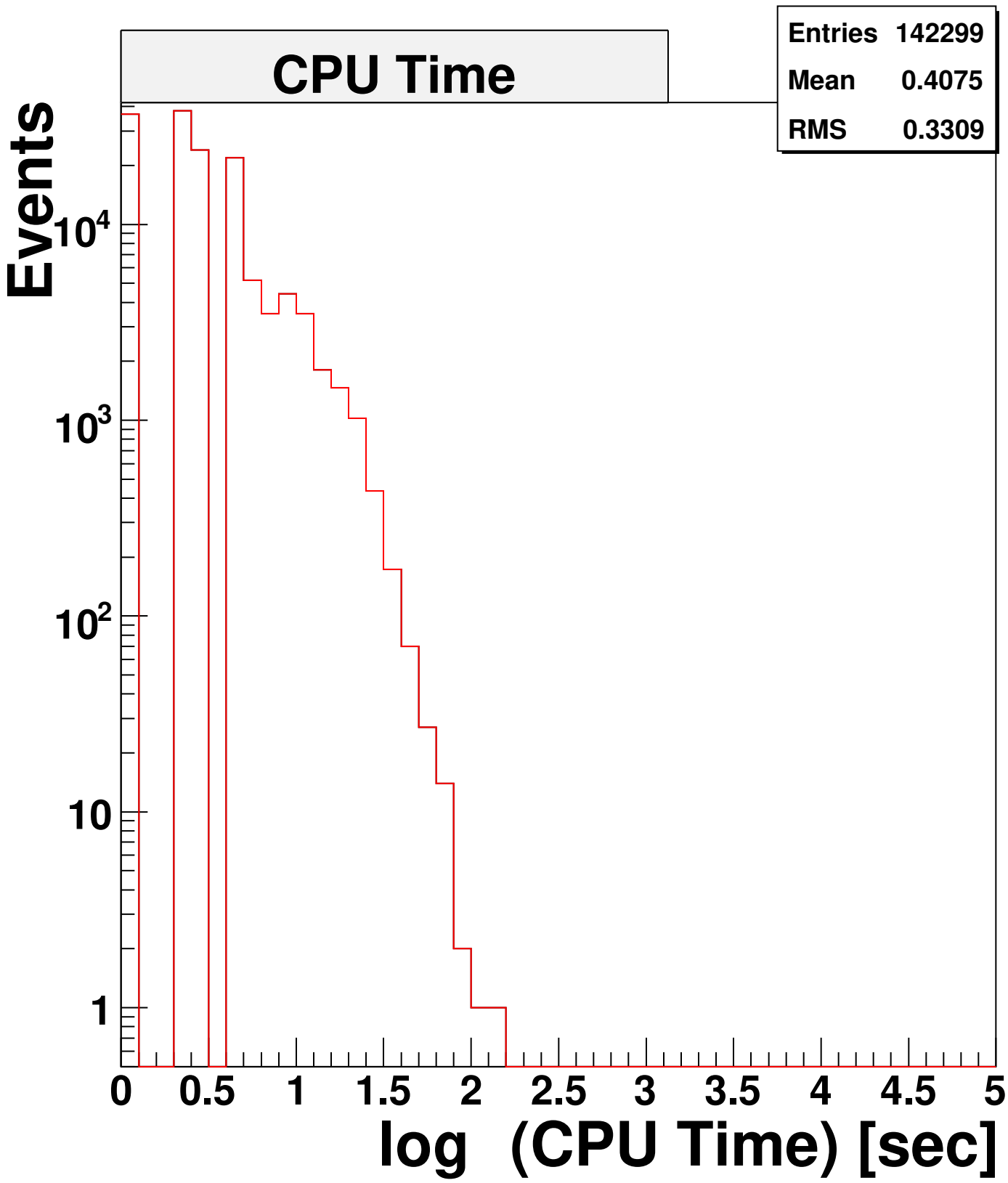








TES Turnon curves (L1CTT All)



RECO Performance (Timing)