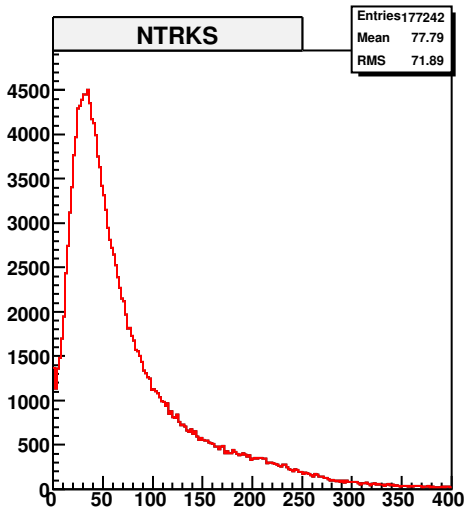
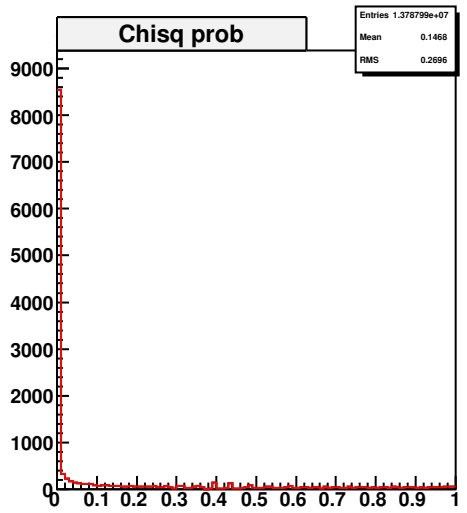
dayset-2006-08-30-all_2-224680-0_certification_20070
../unmerged/dayset-2006-08-30-all_2-224680-0_certific

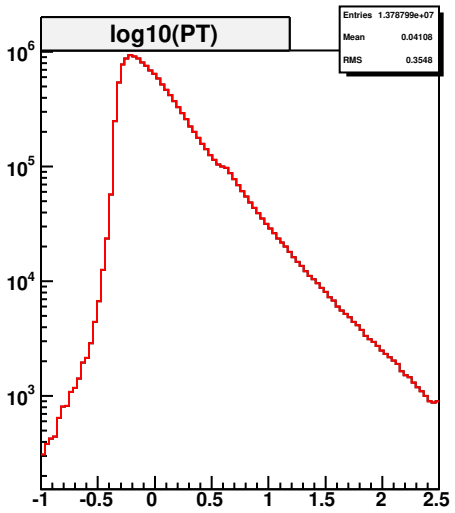
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracking (Efficiency - Isolated)
Page 6: Tracking (Efficiency - InJets)
Page 7: Vertices (Primary - all candidates)
Page 8: Vertices (Primary - best)
Page 9: V0 (All)
Page 10: V0 (B mesons)
Page 11: Electrons (SCONE All)
Page 12: Electrons (SCONE Tight)
Page 13: Muons (All)
Page 14: Muons (Matched)
Page 15: Muons (Astub)
Page 16: Muons (BCstub)
Page 17: Muons (Unmateched)
Page 18: Taus NN (ALL)
Page 19: Taus NNL3 (ALL)
Page 20: Met (No cuts)
Page 21: Jets (Cone R 0.7 no cuts)
Page 22: Jets (Cone R 0.7 standard cuts)
Page 23: Jets (Cone R 0.7 standard cuts, MET>30)
Page 24: Detector Occupancy (Detector)
Page 25: Detector Occupancy (Detector vs Detector)
Page 26: Calorimeter (All cells)
Page 27: Calorimeter (All CC cells)
Page 28: Calorimeter (All EC cells)
Page 29: Cal Objects with MET>30 (All cells)
Page 30: Calorimeter Event Quality (All cells)
Page 31: CPS Hit Strips (All Clusters)
Page 32: CPS Clusters (All Clusters)
Page 33: SmtClusters (allBarClusters)
Page 34: SmtClusters (allFDiskClusters)
Page 35: SmtClusters (allHDiskClusters)
Page 36: SmtClusters (Layer 0)
Page 37: SmtClusters (ClustrBar1)
Page 38: SmtClusters (ClustrBar2)
Page 39: SmtClusters (ClustrBar3)
Page 40: SmtClusters (ClustrBar4)
Page 41: SmtClusters (ClustrBar5)
Page 42: SmtClusters (ClustrBar6)
Page 43: SmtClusters (FDiskClusters)
Page 44: SmtClusters (HDiskClusters)
Page 45: CFT Summary (All Clusters)
Page 46: CFT Occupancy (All Clusters)
Page 47: CFT ADC Summary (All Clusters)
Page 48: MuonPDT (All)
Page 49: MuonMDT (All)
Page 50: MuonMSC (All)
Page 51: Muon Local Tracks (All)
Page 52: Muon Local Tracks (MediumWamus)
Page 53: Muon Local Tracks (MediumFamus)

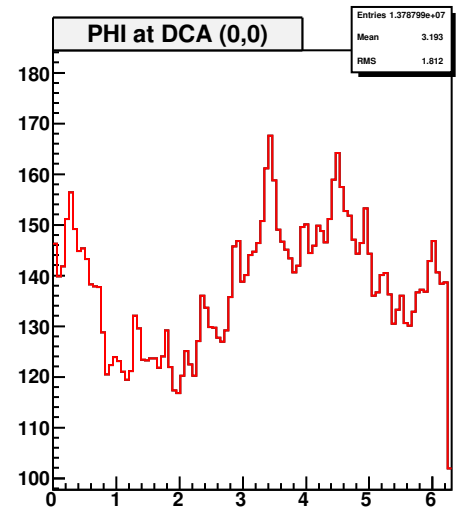
RecoCert_Plots (Index)

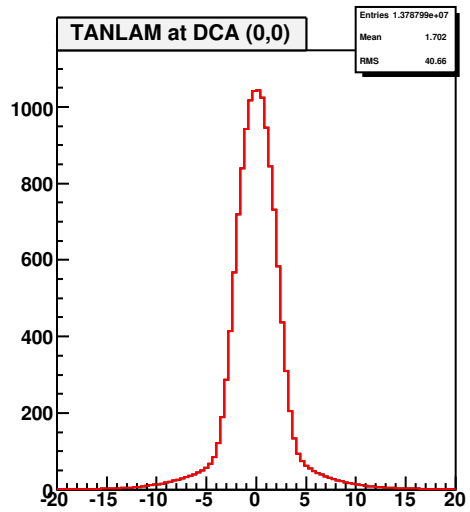
Page 54: FPS Trigger Sector Occupancy
Page 55: FPS Number of Hits
Page 56: L1CTT TTK Trigger Turn-on (All)
Page 57: L1CTT TIS Trigger Turn-on (All)
Page 58: L1CTT TEL Trigger Turn-on (All)
Page 59: L1CTT TES Trigger Turn-on (All)
Page 60: RECO Performance (Timing)

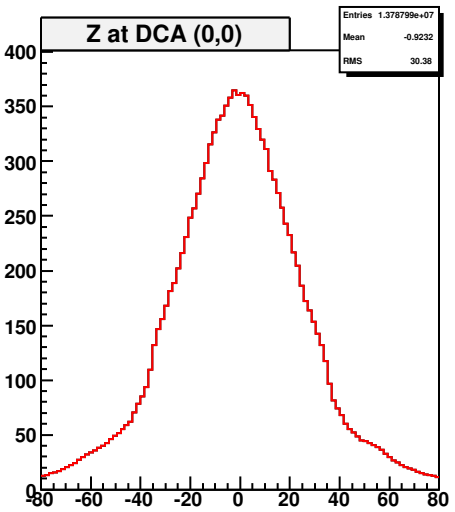

NTRKS
Entries 177242
Mean 77.79
RMS 71.89

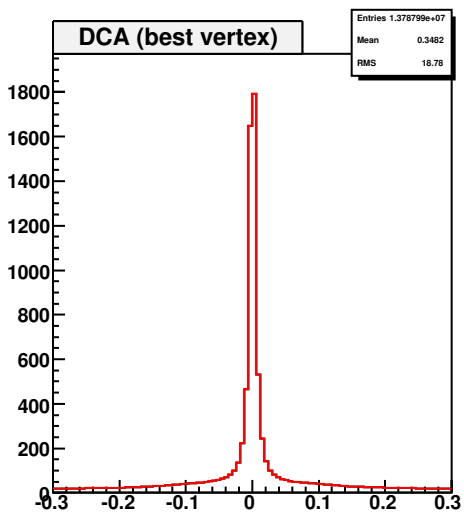

Chisq prob
Entries 1.378799e+07
Mean 0.1468
RMS 0.2696

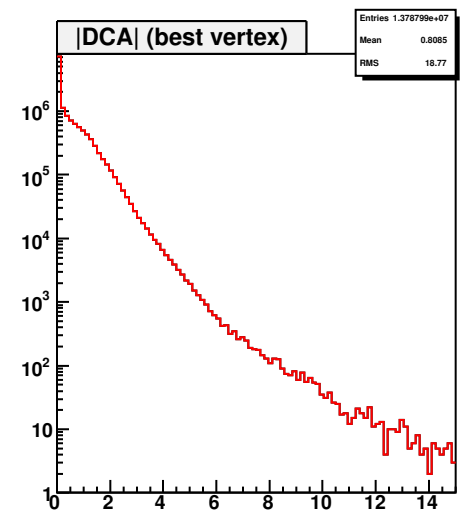

log10(PT)
Entries 1.378799e+07
Mean 0.04108
RMS 0.3548

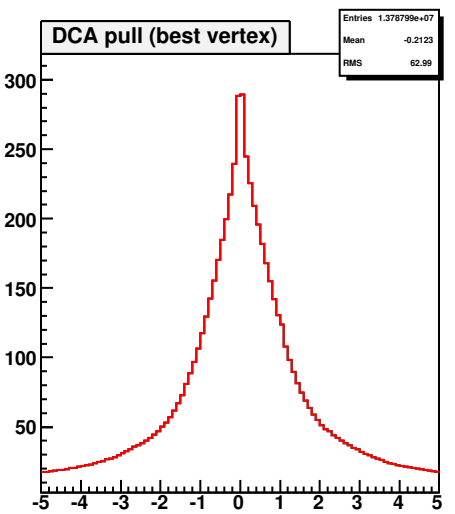

PHI at DCA (0,0)
Entries 1.378799e+07
Mean 3.193
RMS 1.812


TANLAM at DCA (0,0)
Entries 1.378799e+07
Mean 1.702
RMS 40.66

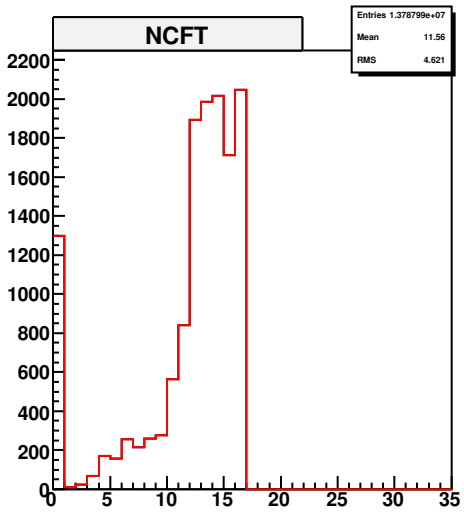

Z at DCA (0,0)
Entries 1.378799e+07
Mean -0.9232
RMS 30.38

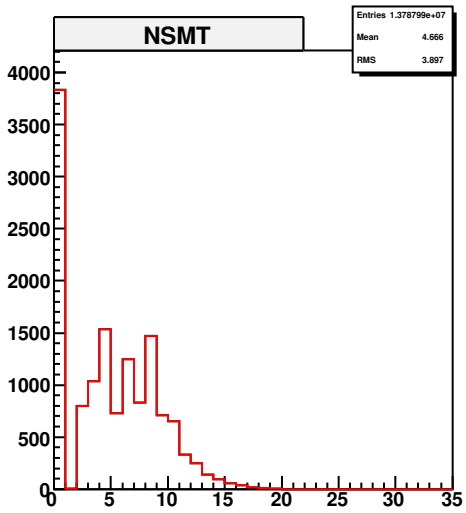

DCA (best vertex)
Entries 1.378799e+07
Mean 0.3482
RMS 18.78

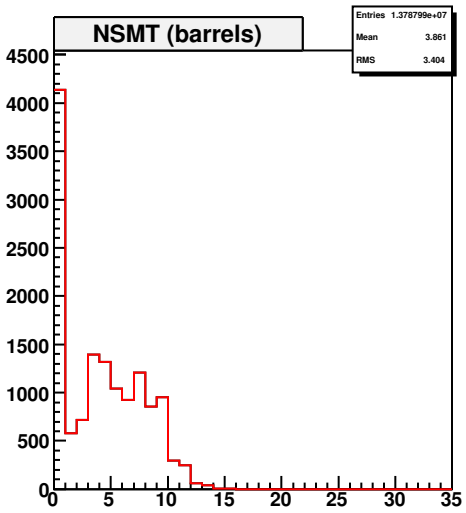

|DCA| (best vertex)
Entries 1.378799e+07
Mean 0.8085
RMS 18.77

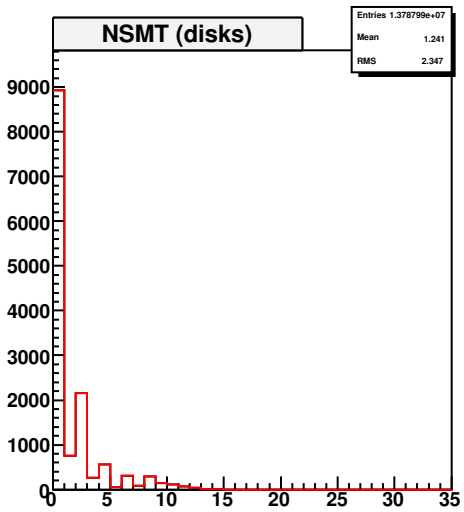

DCA pull (best vertex)
Entries 1.378799e+07
Mean -0.2123
RMS 62.99

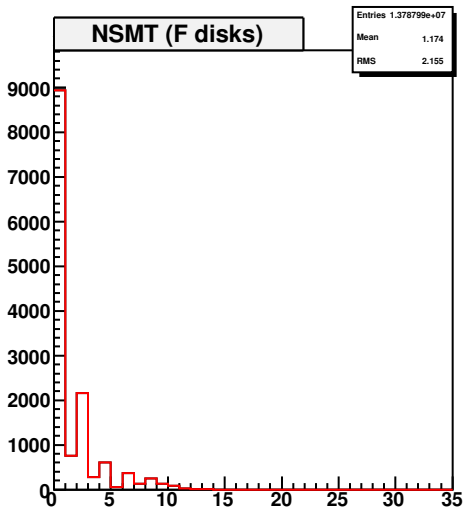
Tracks (All)

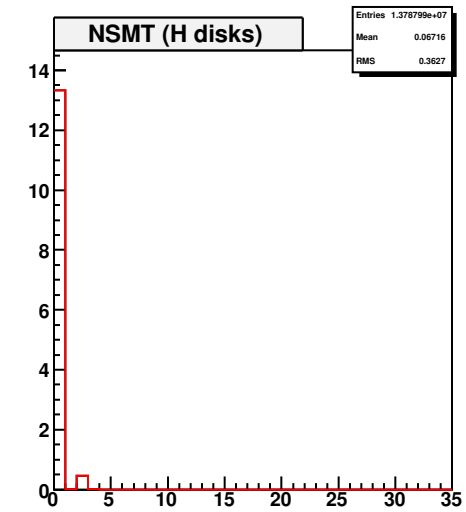


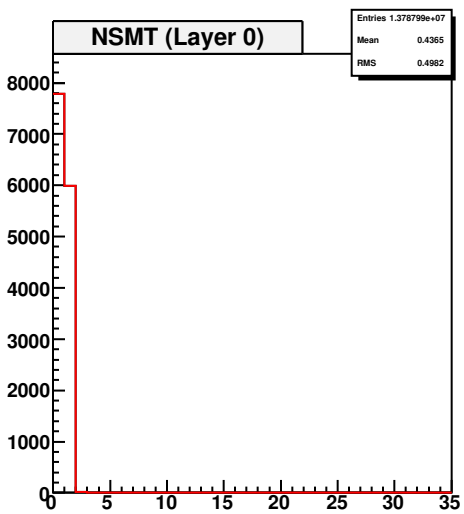




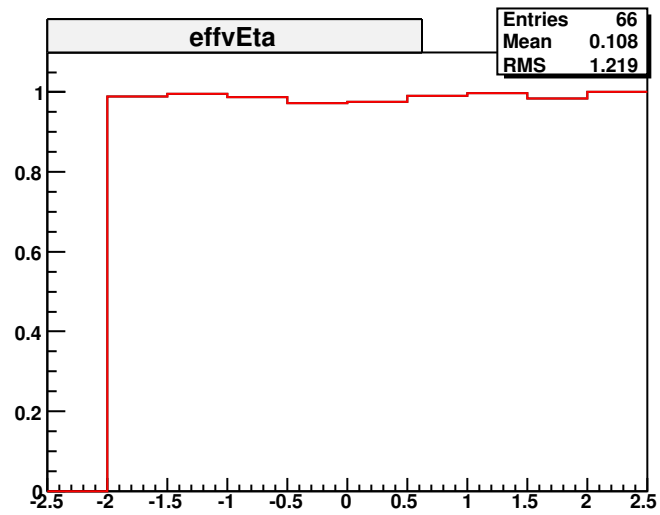


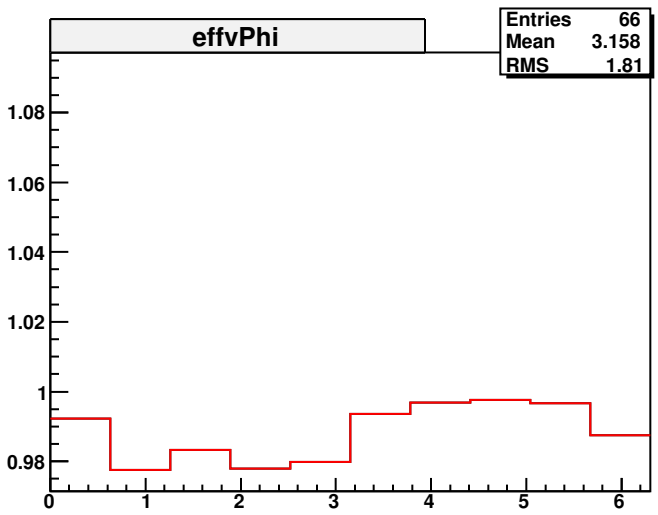


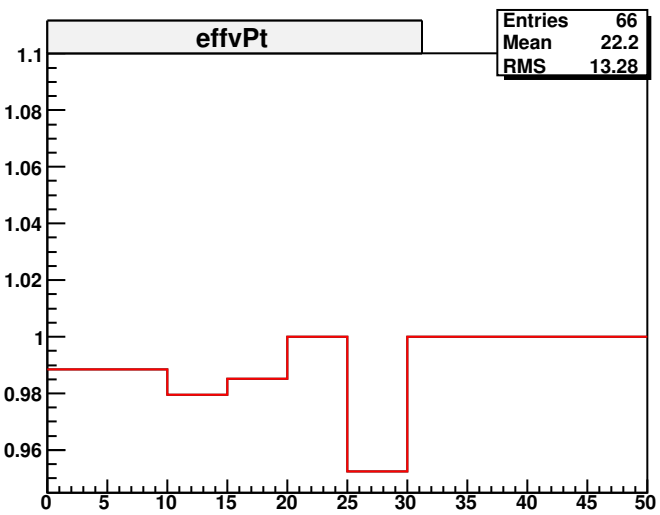


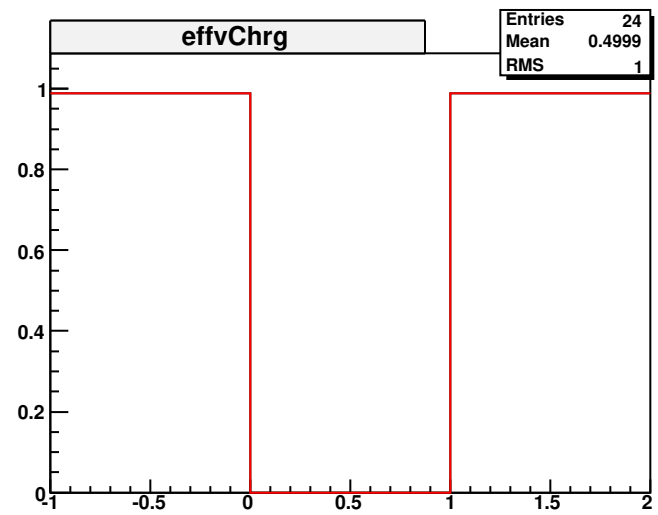


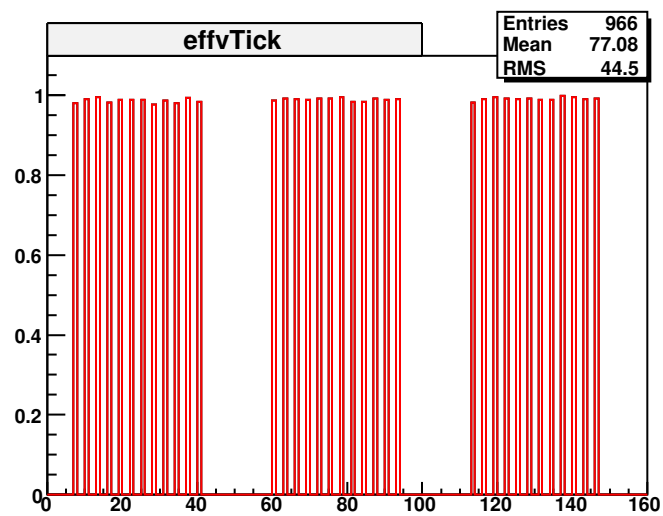
Track Hits (All)

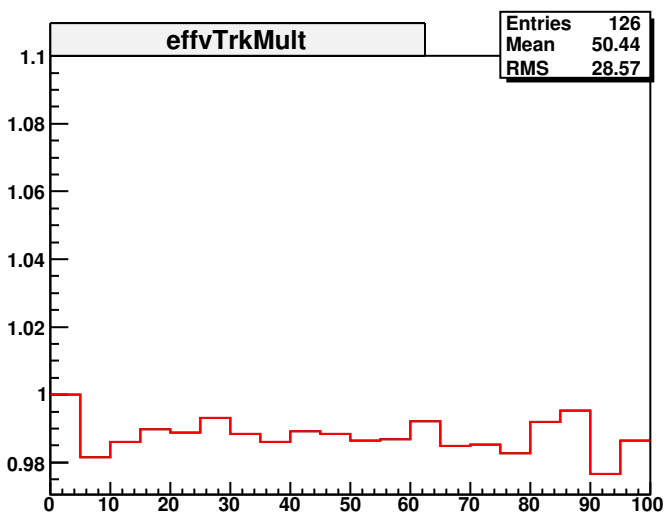




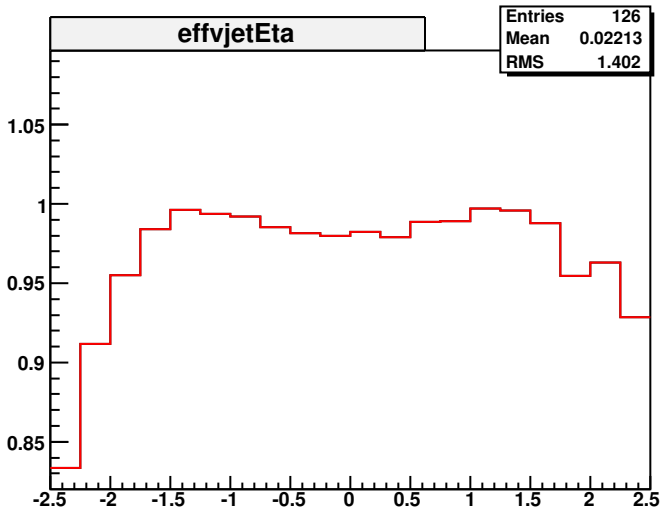


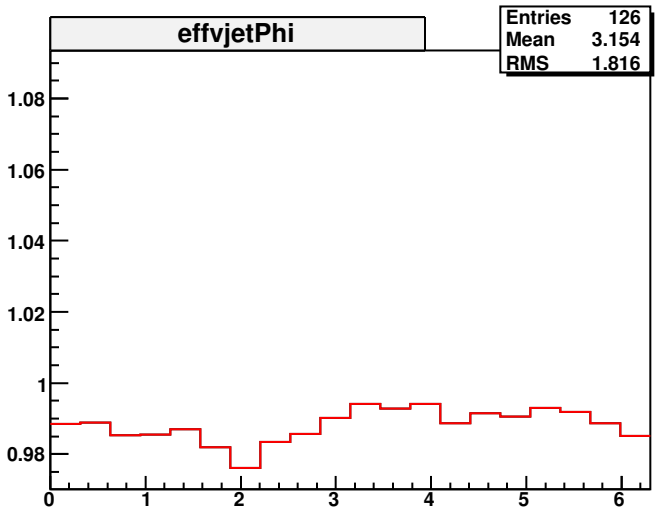


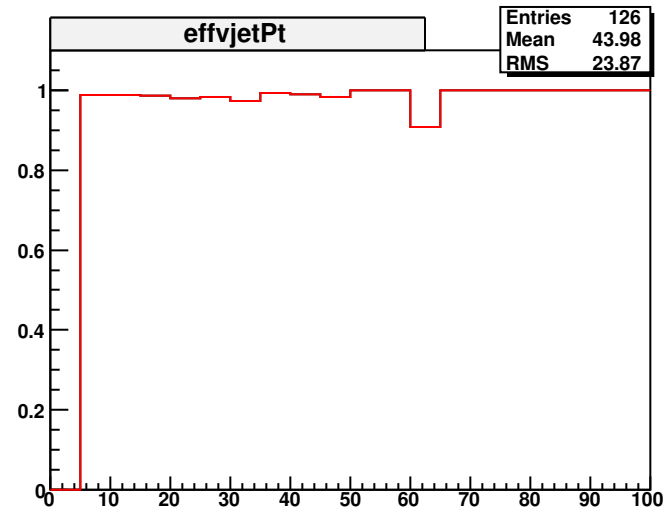




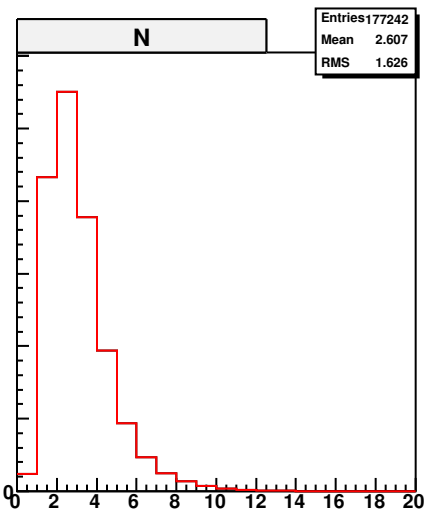
Tracking (Efficiency-Isolated)

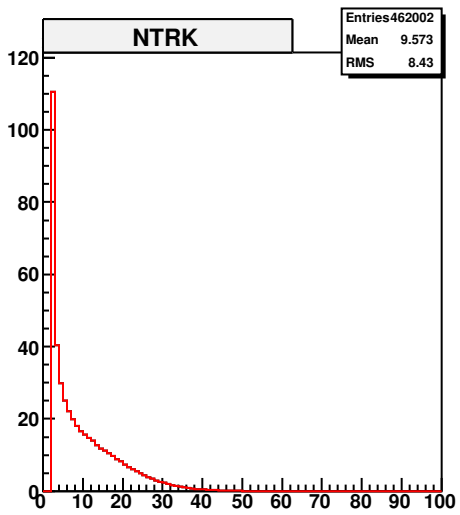


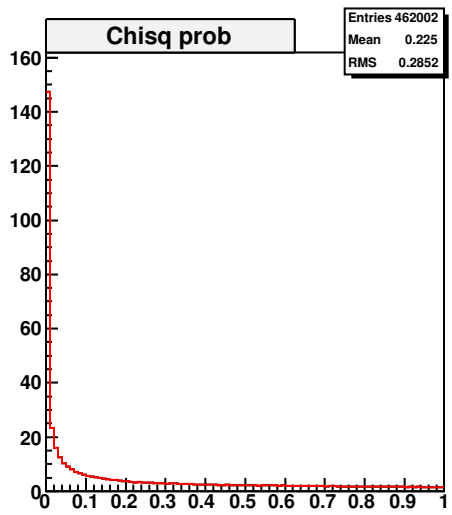


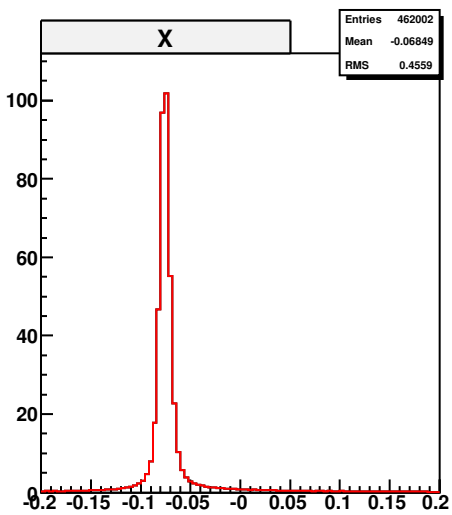


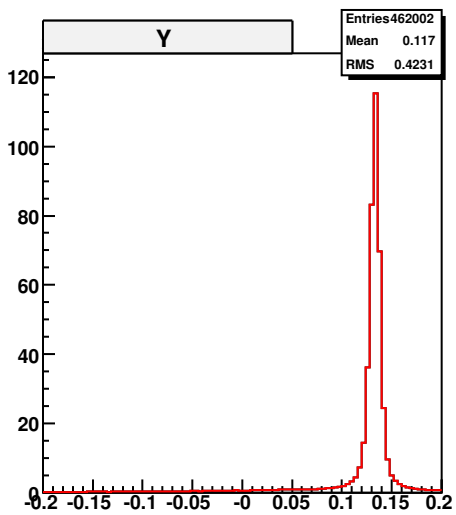
Tracking (Efficiency-InJets)

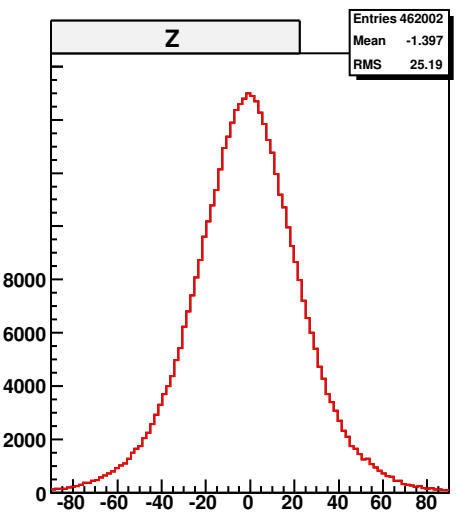




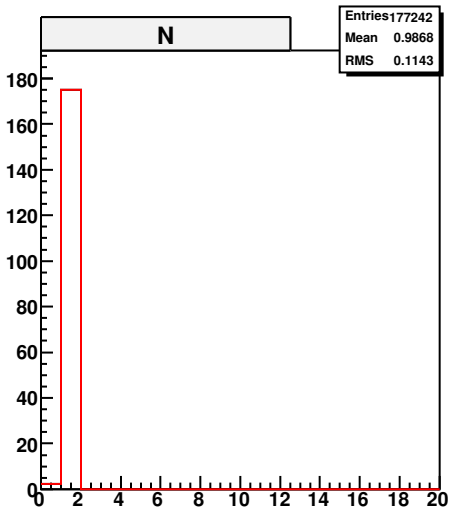


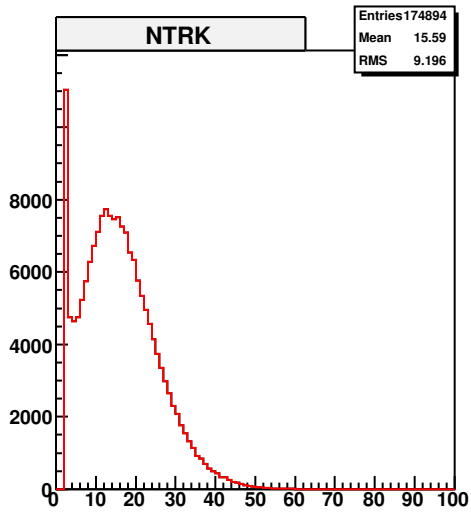


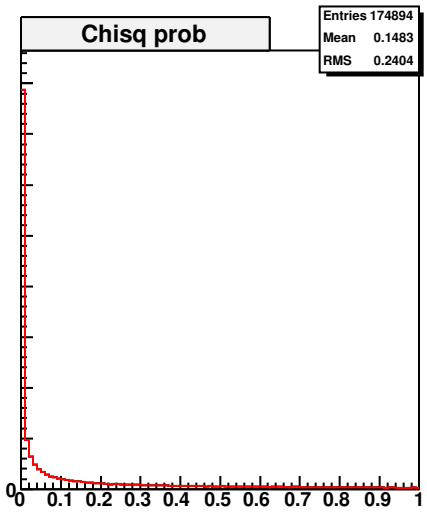


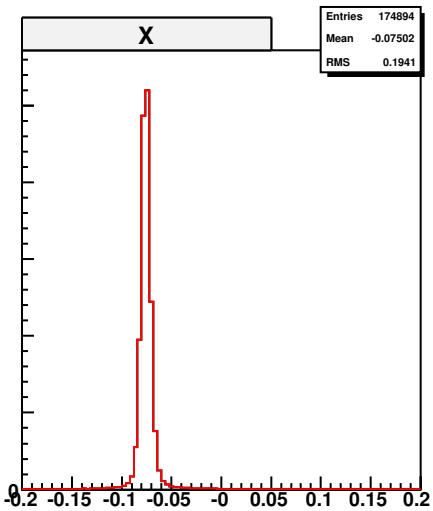


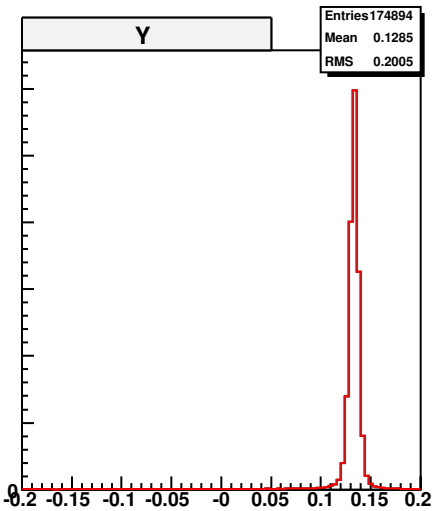
Vertices (Primary - all candidates)

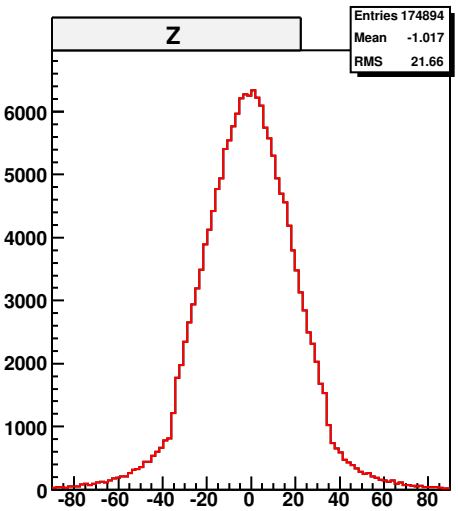




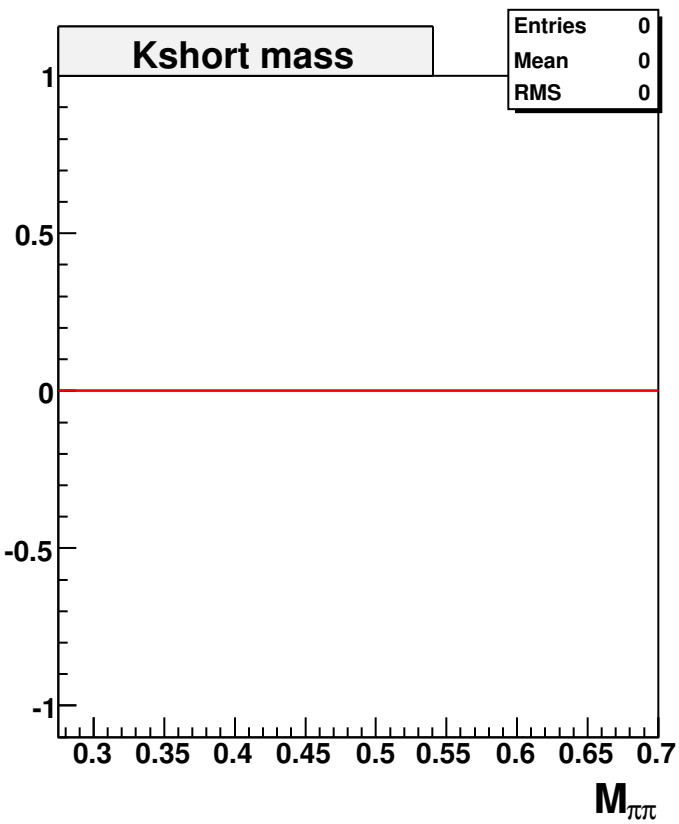


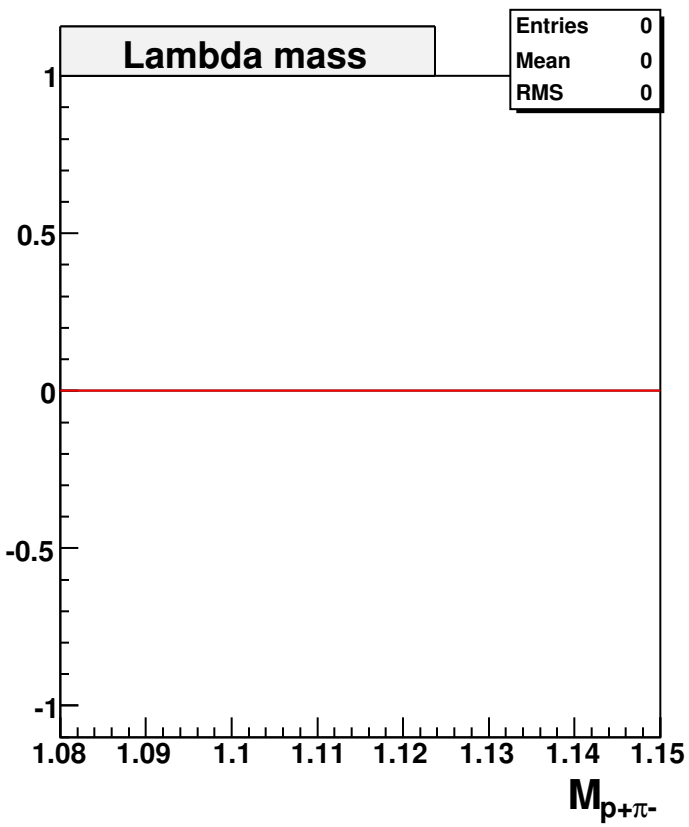


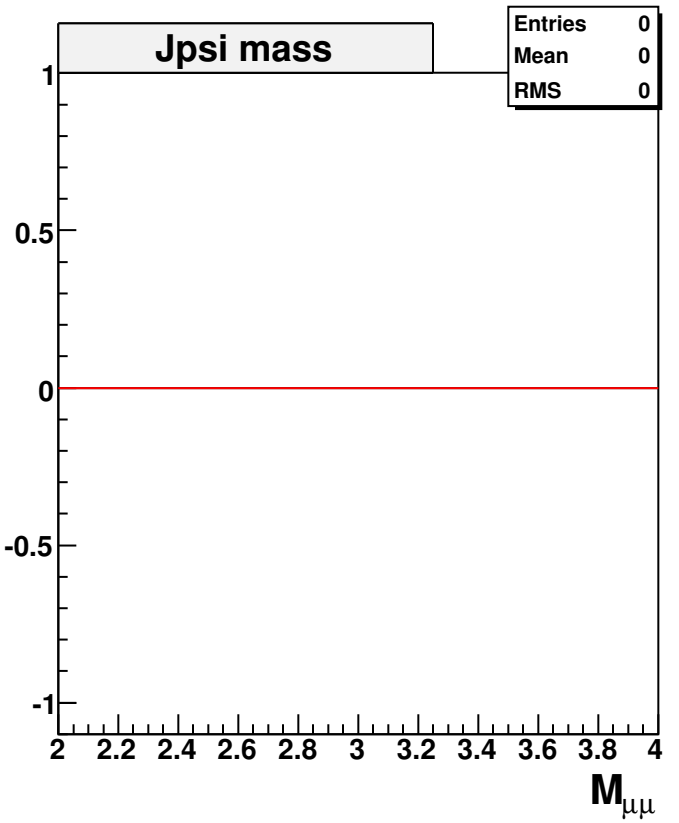


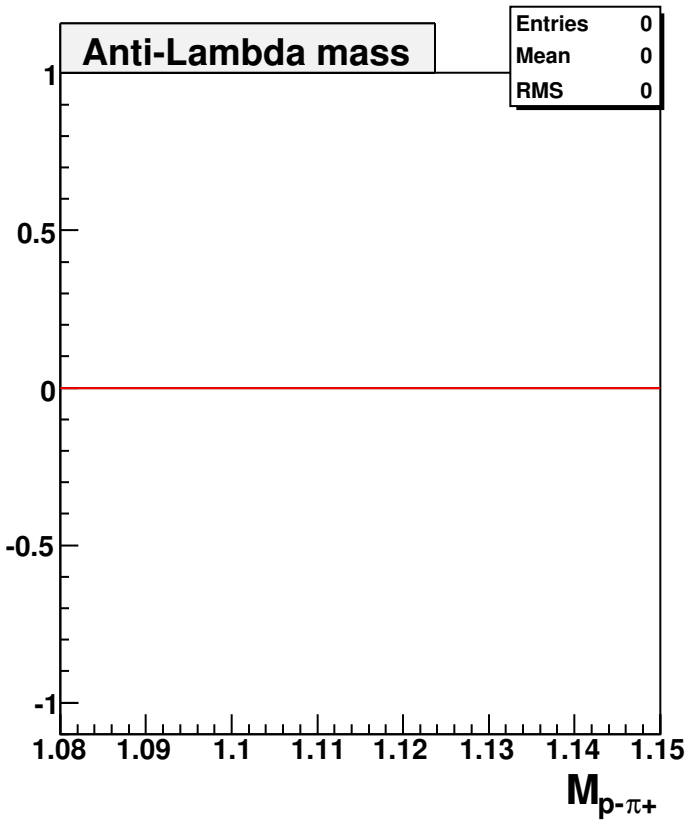


Vertices (Primary - best)

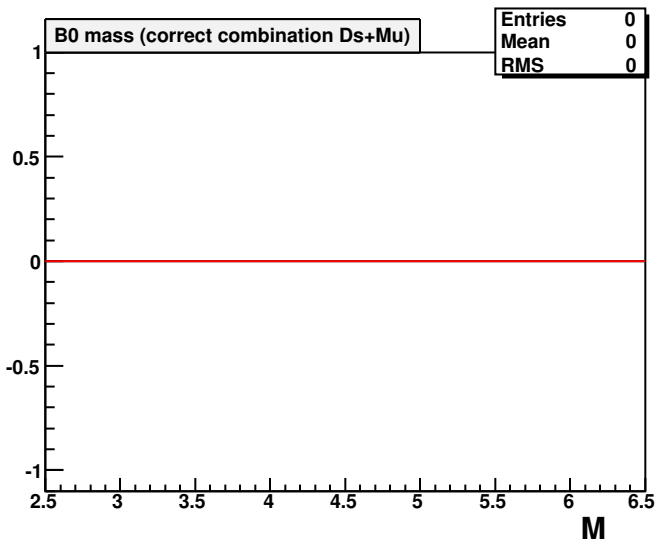

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

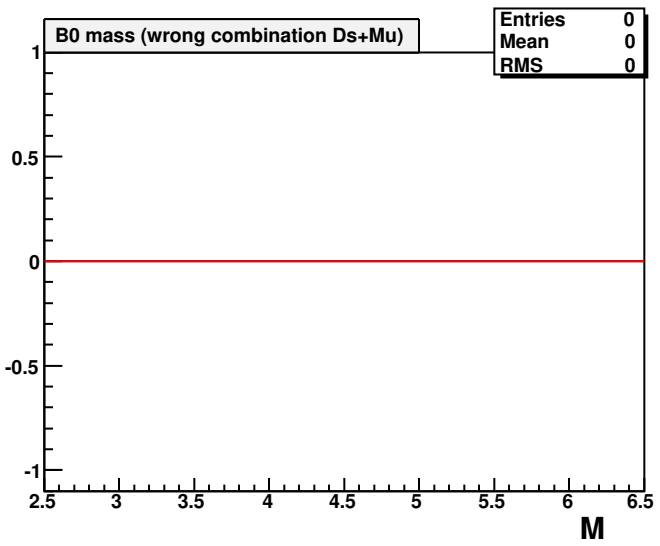

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

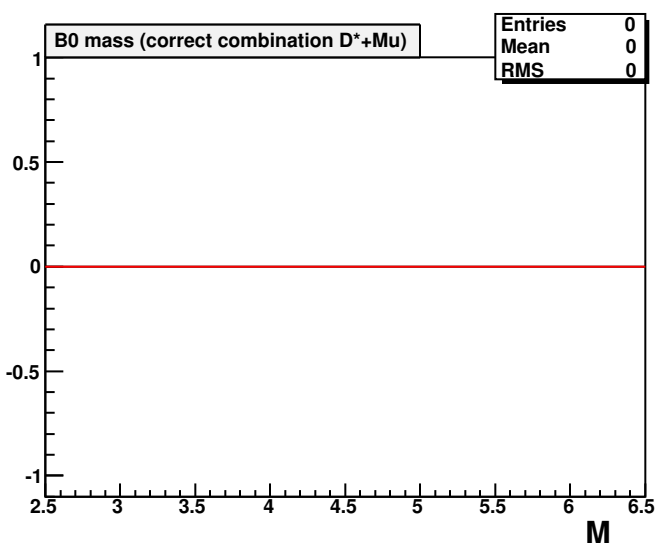

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

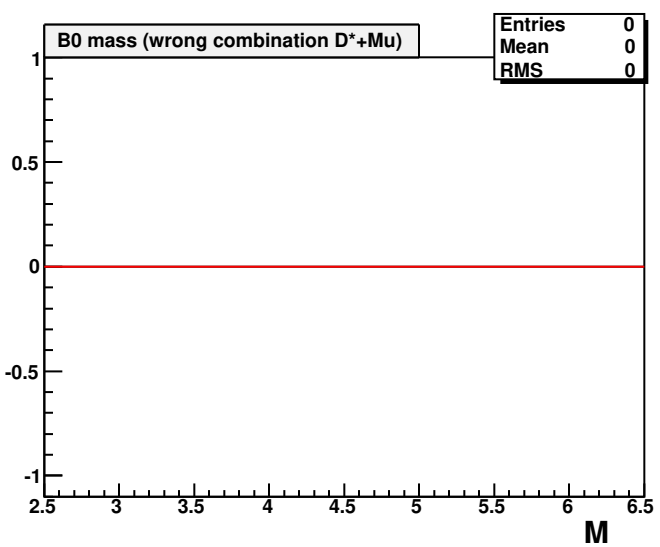

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

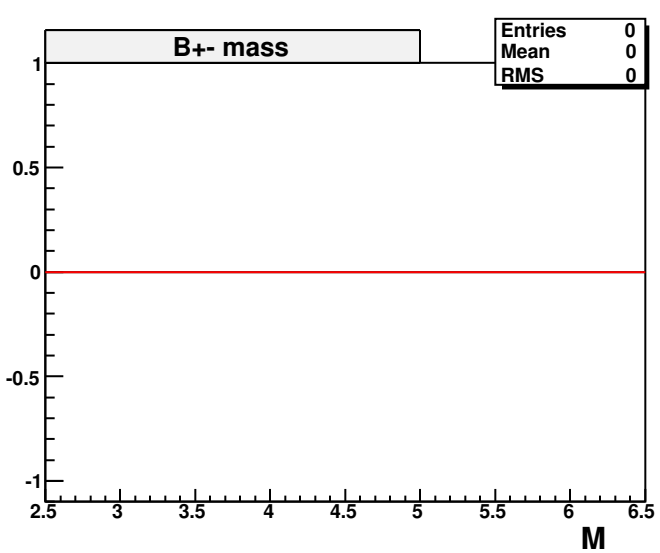
V0 (All)



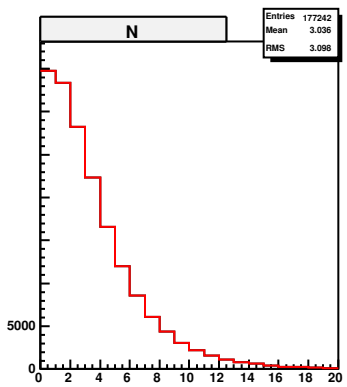


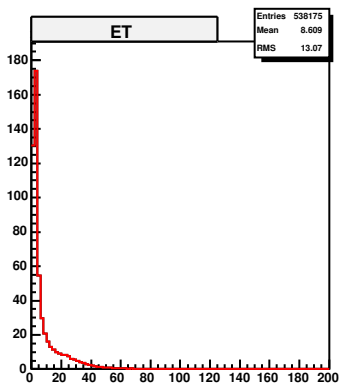


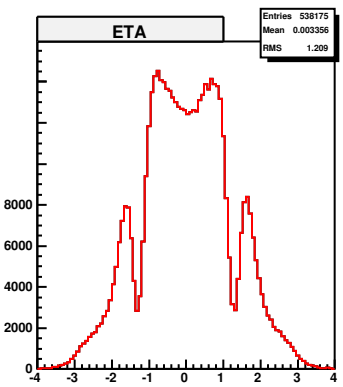


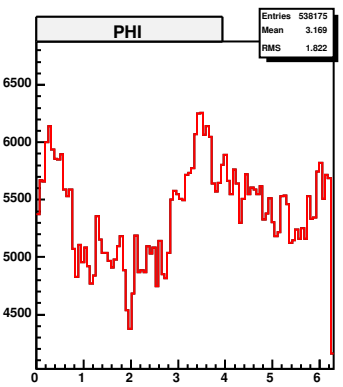


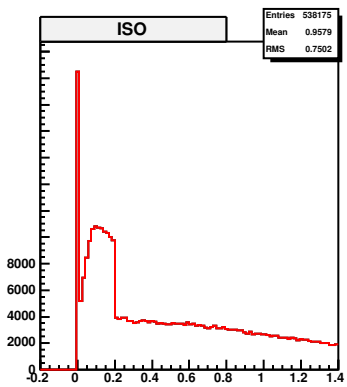
V0(B mesons) (All)

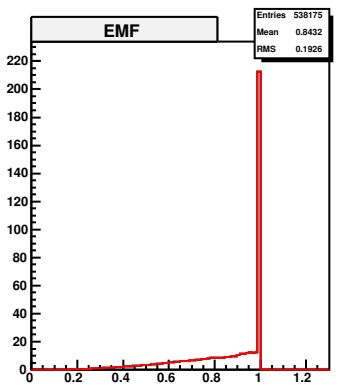


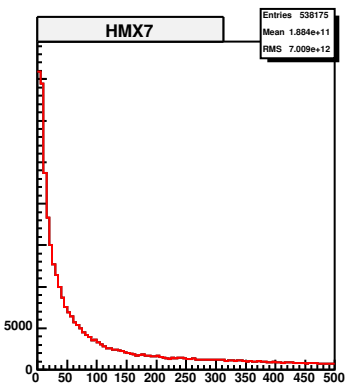


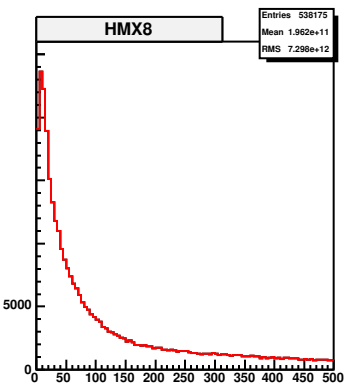


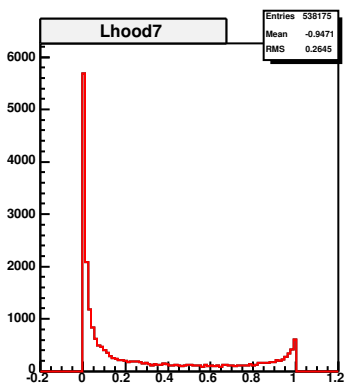


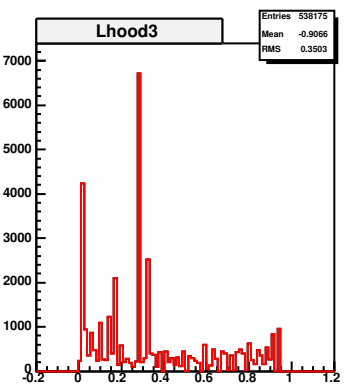


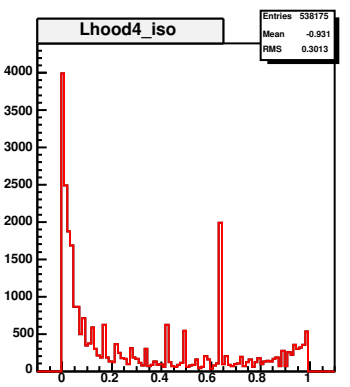


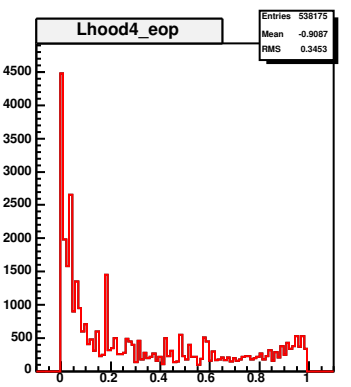


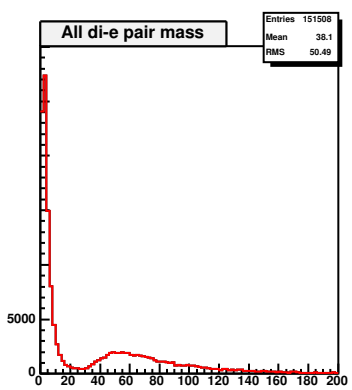


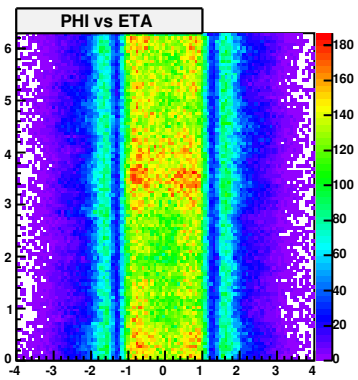


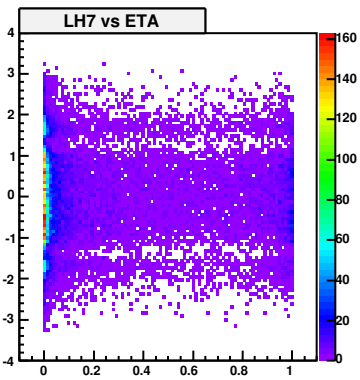


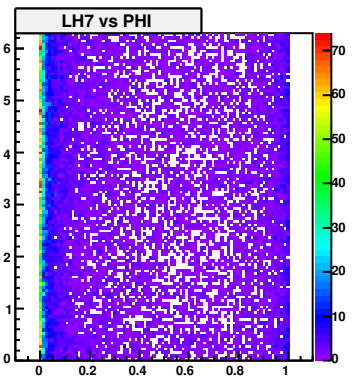




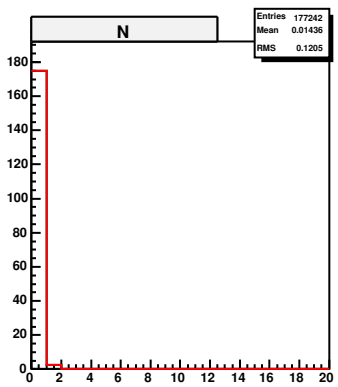


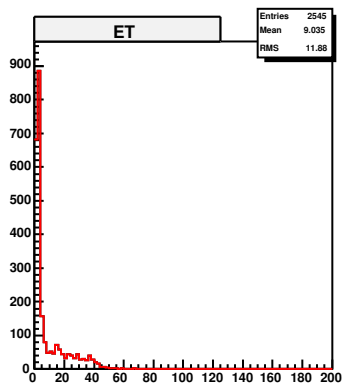


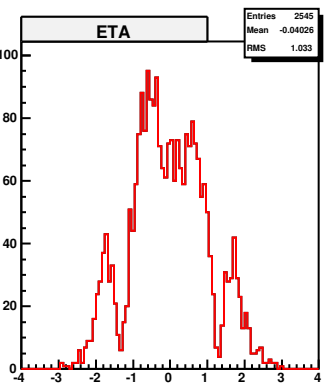


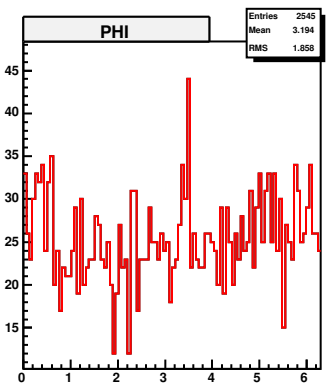


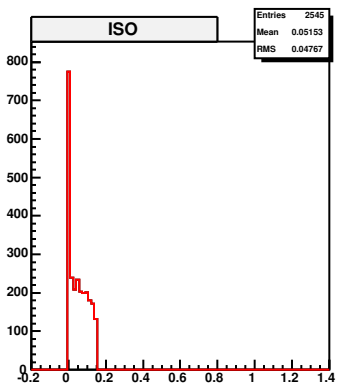
Electrons (SCONE All)

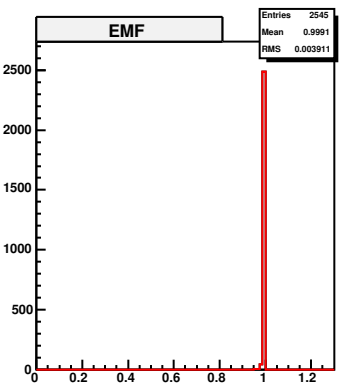


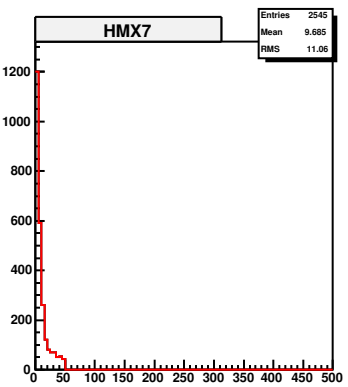


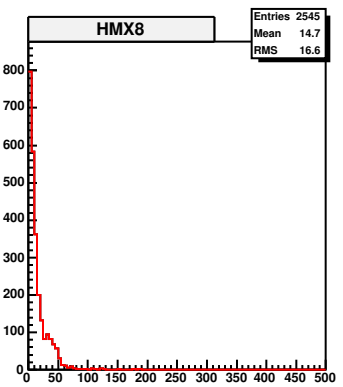


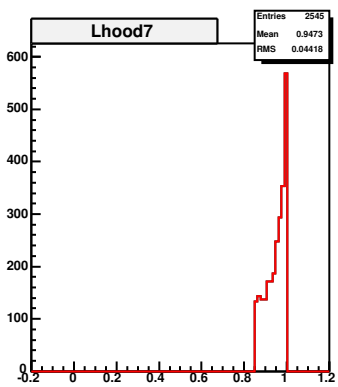


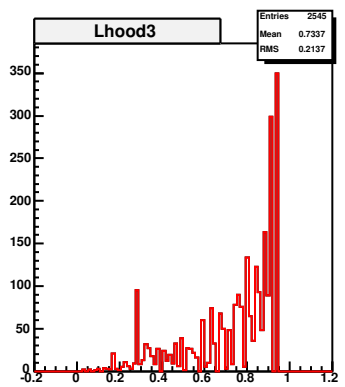


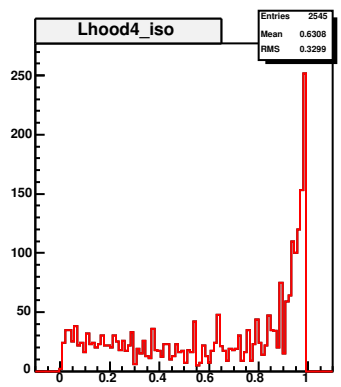


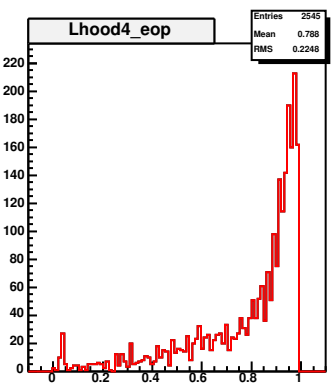


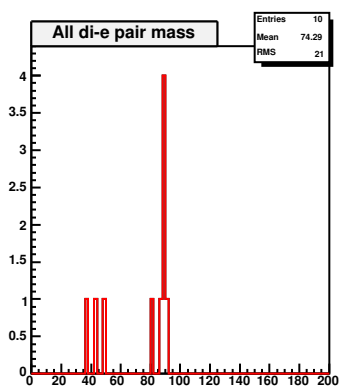


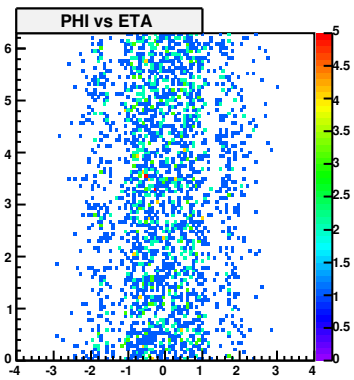


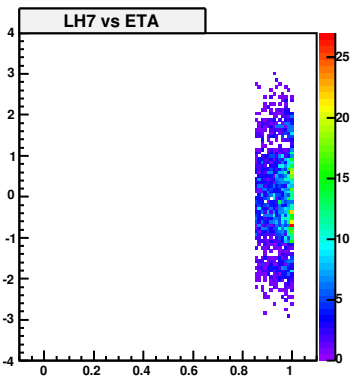


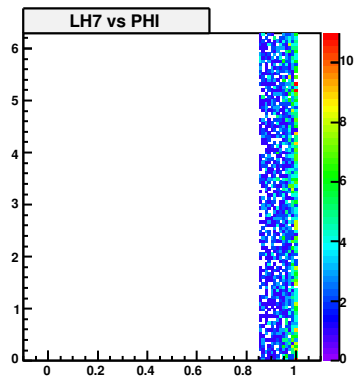




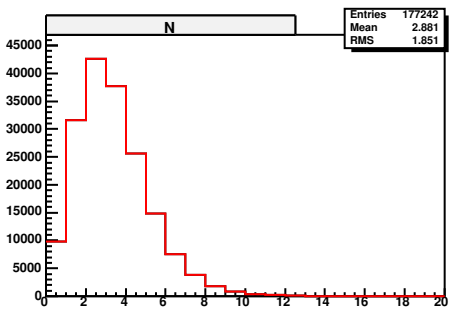


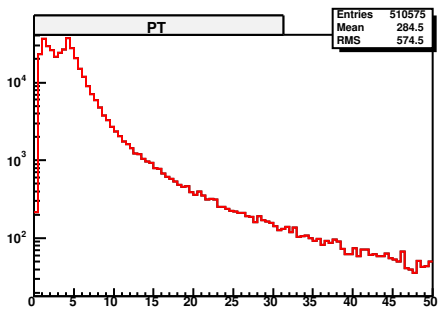


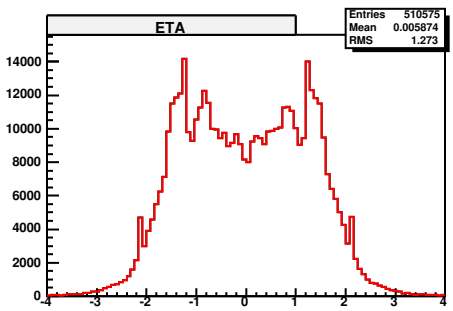


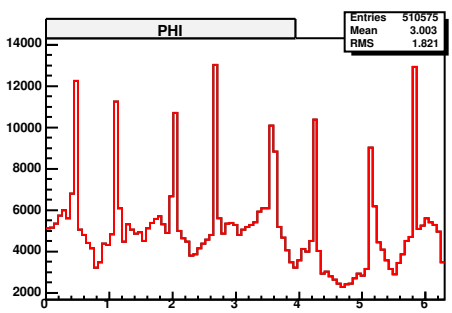


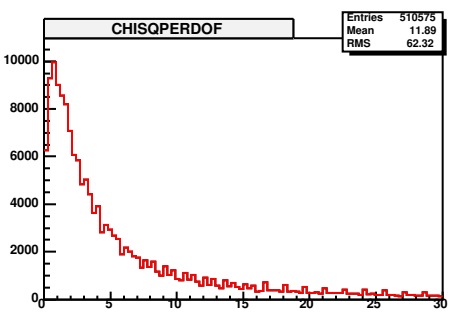
Electrons (SCONE Tight)

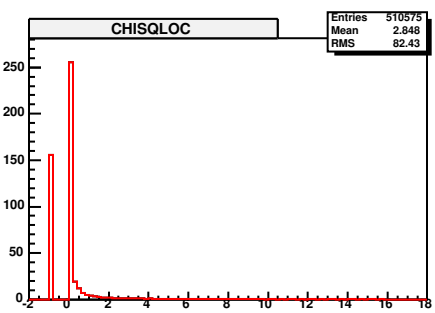

N
Entries 177242
Mean 2.881
RMS 1.851

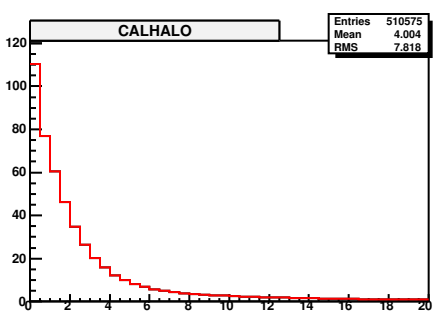

PT
Entries 510575
Mean 284.5
RMS 574.5

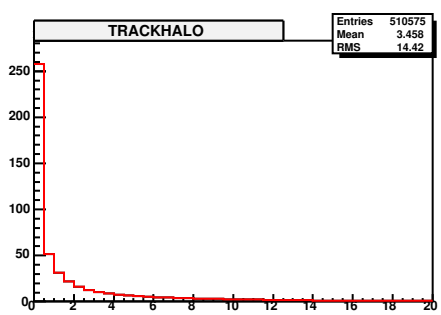

ETA
Entries 510575
Mean 0.005874
RMS 1.273

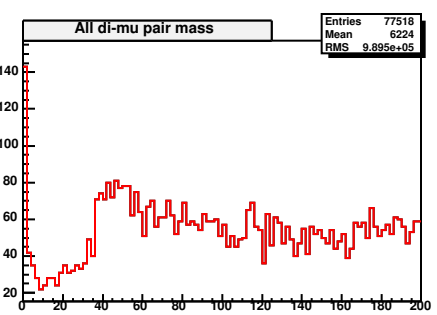

PHI
Entries 510575
Mean 3.003
RMS 1.821

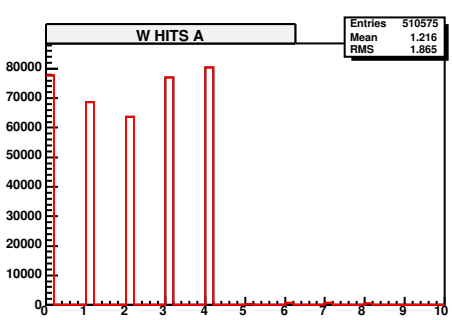

CHISQPERDOF
Entries 510575
Mean 11.89
RMS 62.32

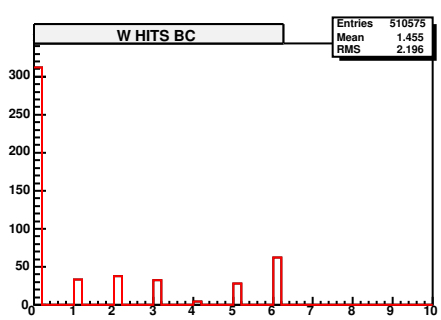

CHISQLOC
Entries 510575
Mean 2.848
RMS 82.43

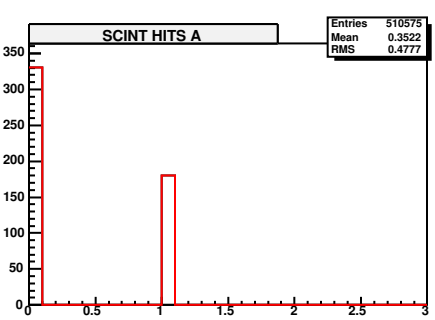

CALHALO
Entries 510575
Mean 4.004
RMS 7.818

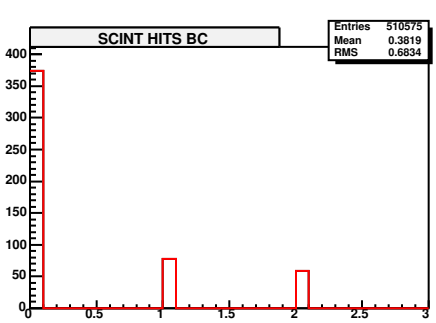

TRACKHALO
Entries 510575
Mean 3.458
RMS 14.42


All di-mu pair mass
Entries 77518
Mean 6224
RMS 9.895e+05

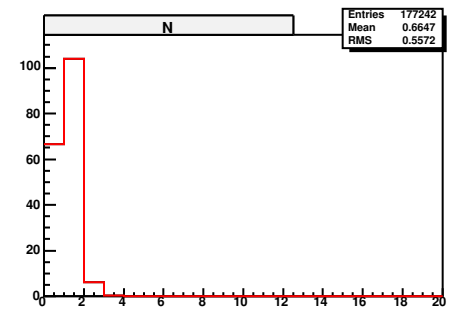

W HITS A
Entries 510575
Mean 1.216
RMS 1.865

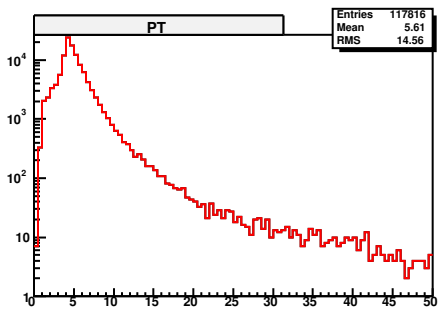

W HITS BC
Entries 510575
Mean 1.455
RMS 2.196

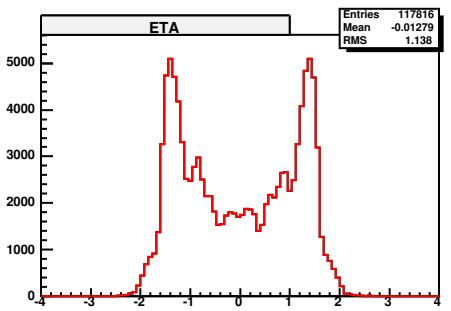

SCINT HITS A
Entries 510575
Mean 0.3522
RMS 0.4777

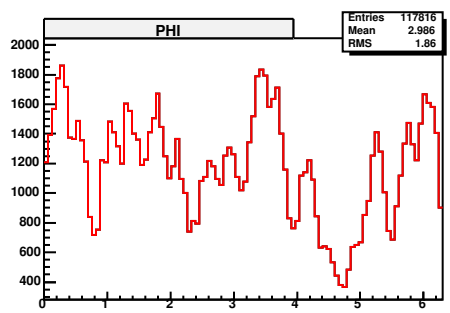

SCINT HITS BC
Entries 510575
Mean 0.3819
RMS 0.6834

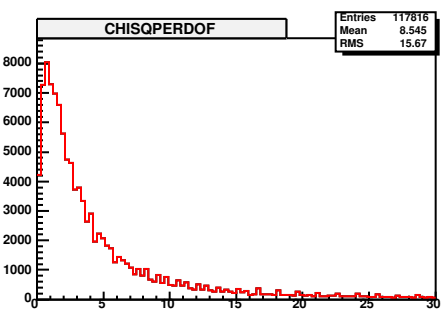
Muons (All)

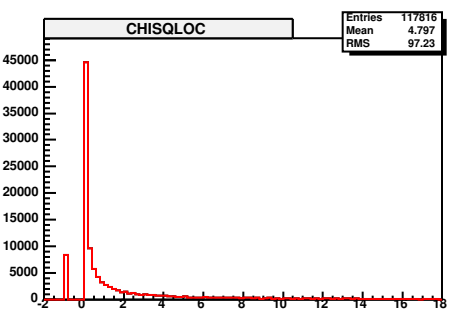


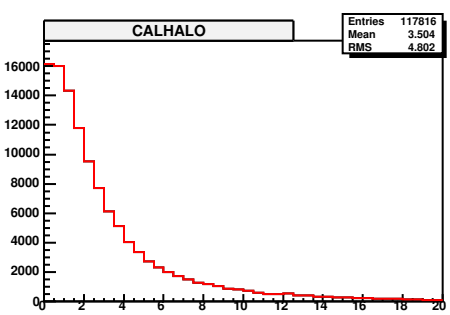


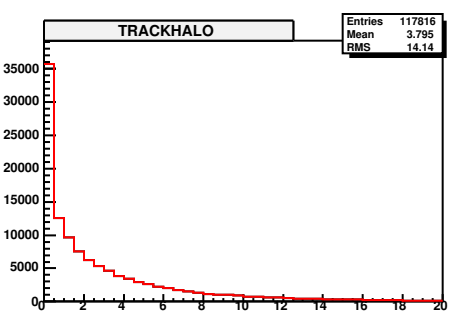


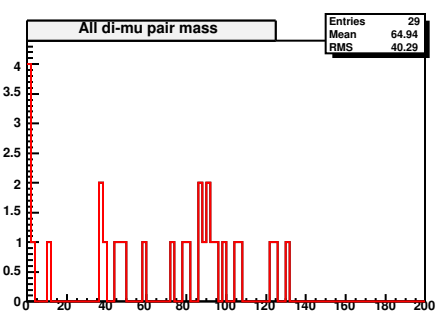


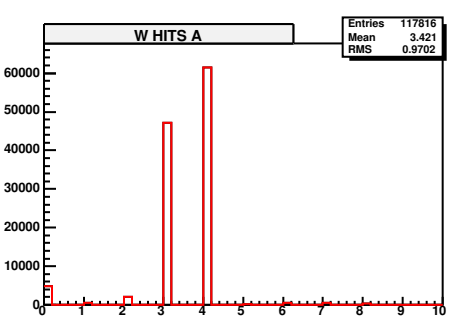


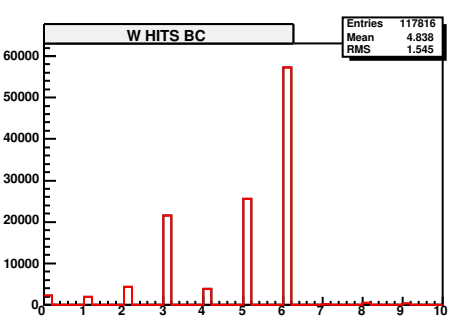


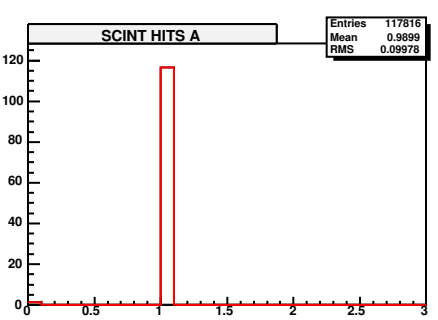


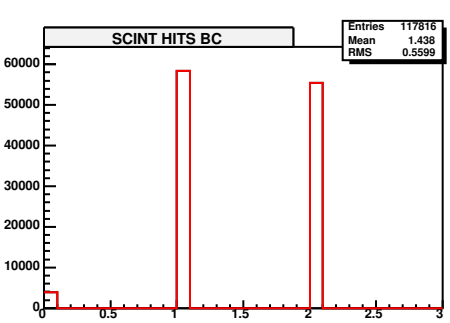




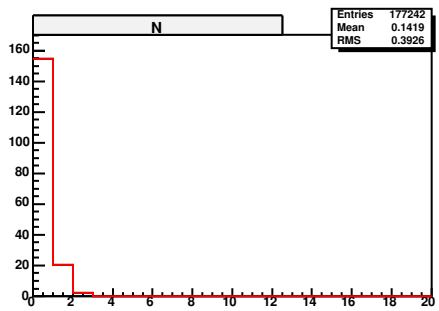


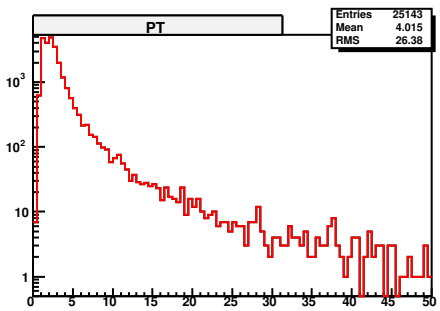


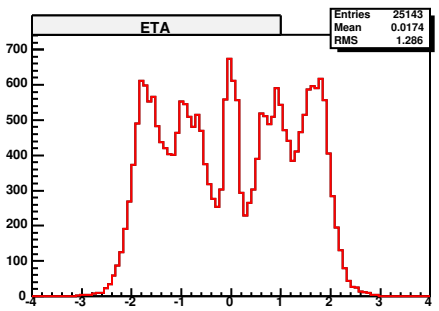


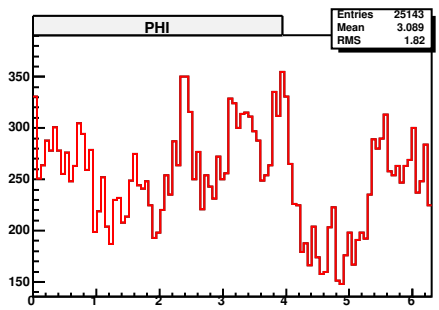


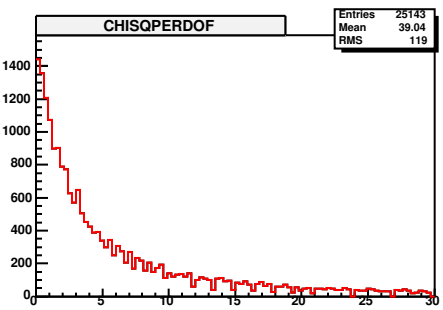
Muons (Matched)

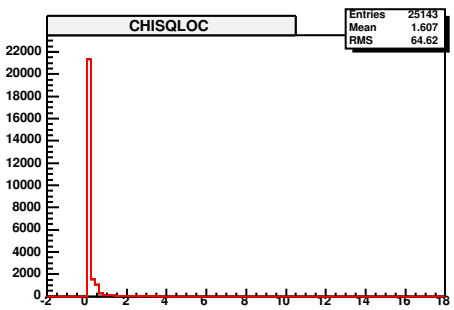

N
Entries 177242
Mean 0.1419
RMS 0.3926

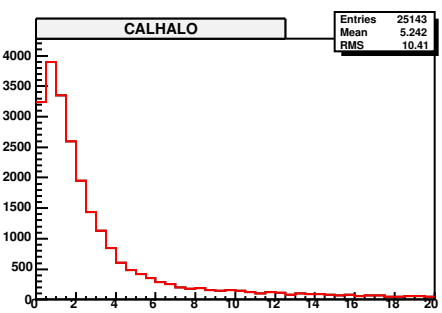

PT
Entries 25143
Mean 4.015
RMS 26.38

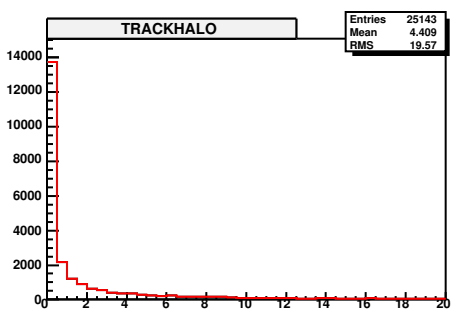

ETA
Entries 25143
Mean 0.0174
RMS 1.286

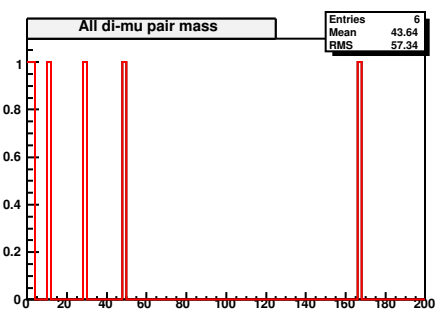

PHI
Entries 25143
Mean 3.089
RMS 1.82

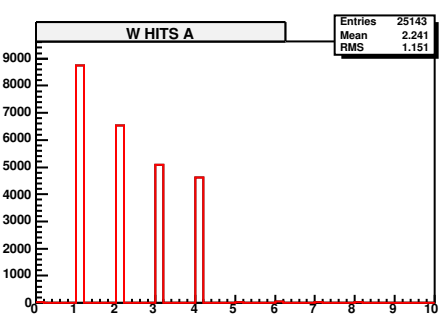

CHISQPERDOF
Entries 25143
Mean 39.04
RMS 119

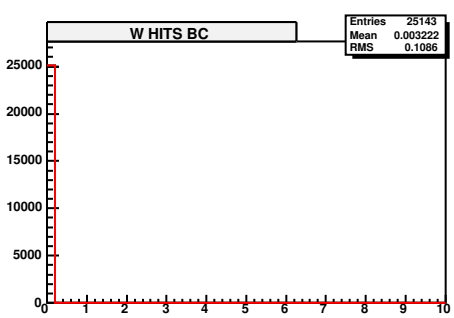

CHISQLOC
Entries 25143
Mean 1.607
RMS 64.62

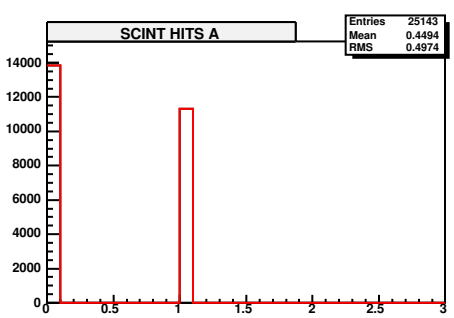

CALHALO
Entries 25143
Mean 5.242
RMS 10.41

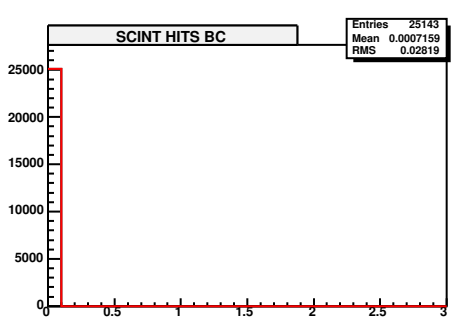

TRACKHALO
Entries 25143
Mean 4.409
RMS 19.57


All di-mu pair mass
Entries 6
Mean 43.64
RMS 57.34

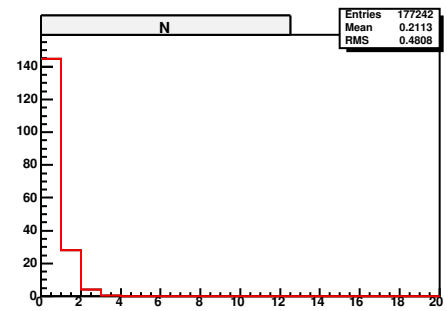

W HITS A
Entries 25143
Mean 2.241
RMS 1.151

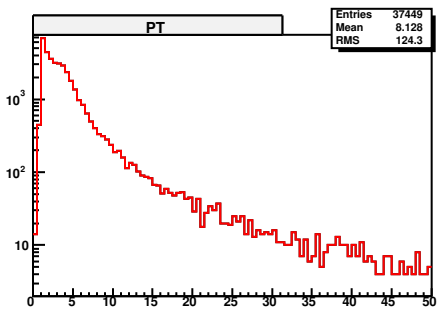

W HITS BC
Entries 25143
Mean 0.003222
RMS 0.1086

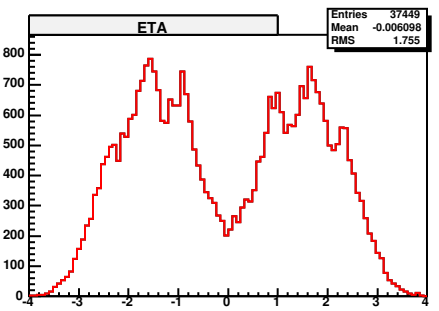

SCINT HITS A
Entries 25143
Mean 0.4494
RMS 0.4974

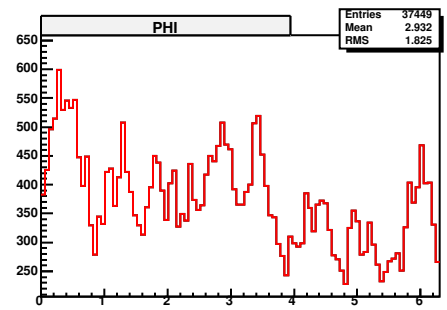

SCINT HITS BC
Entries 25143
Mean 0.0007159
RMS 0.02819

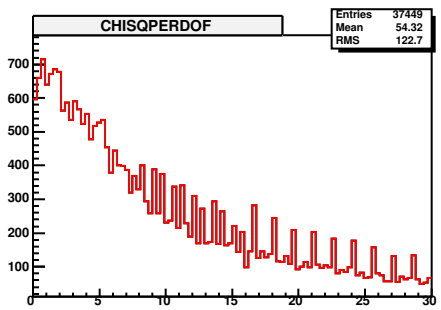
Muons (Astub)

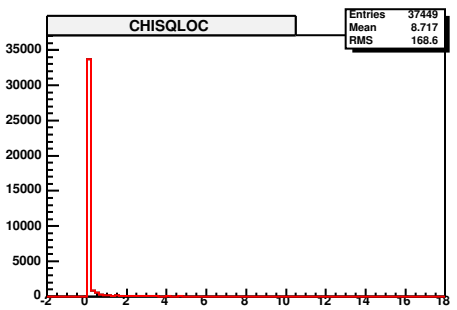


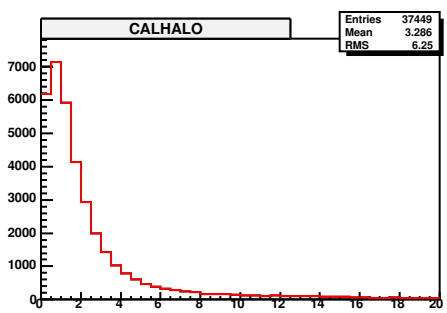


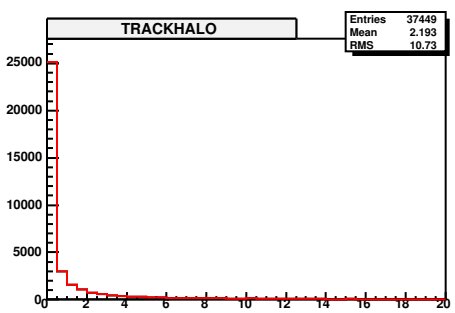


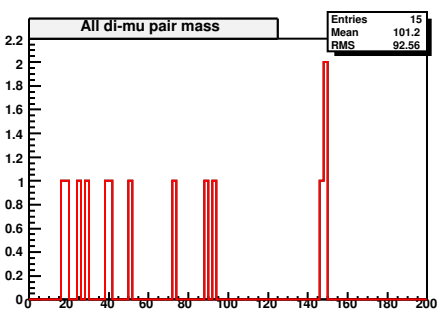


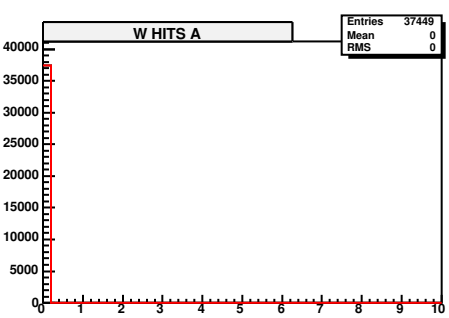


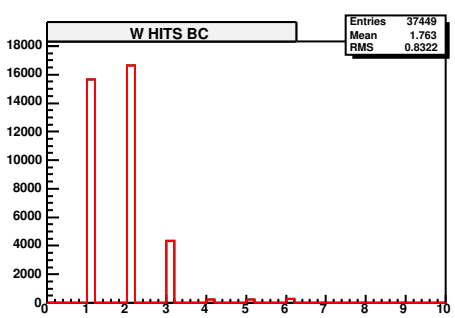


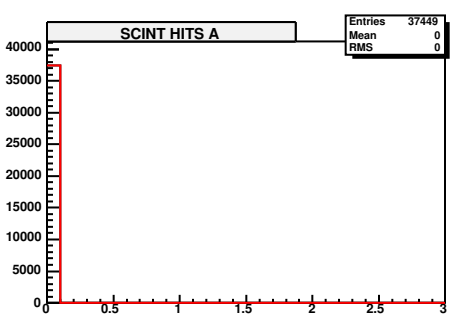


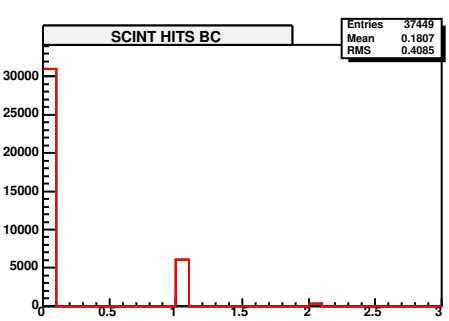




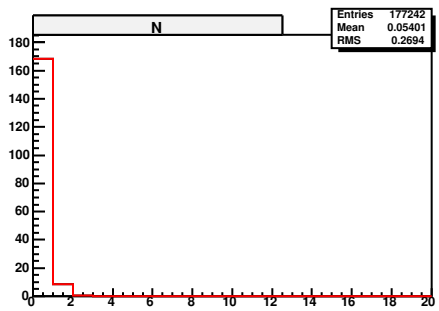


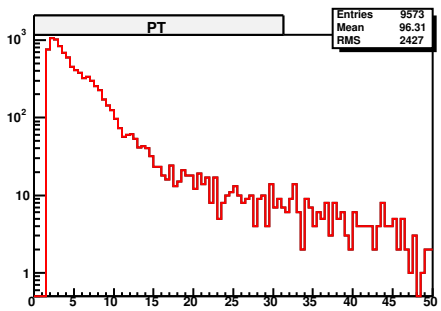


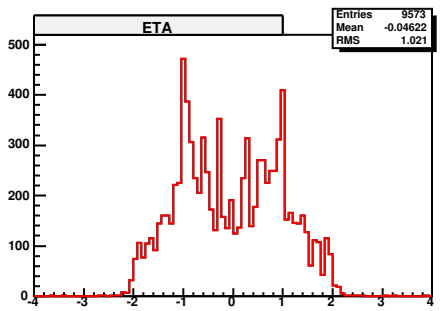


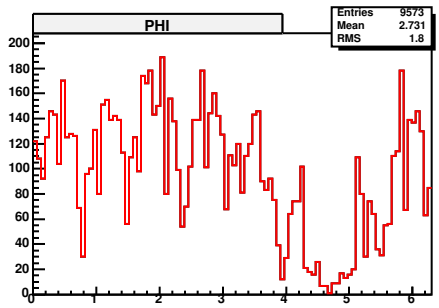


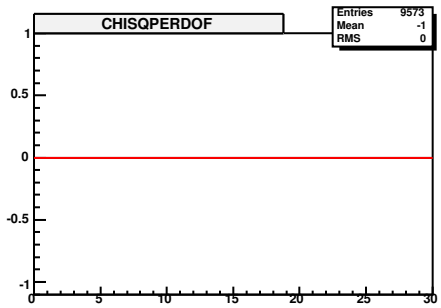
Muons (BCstub)

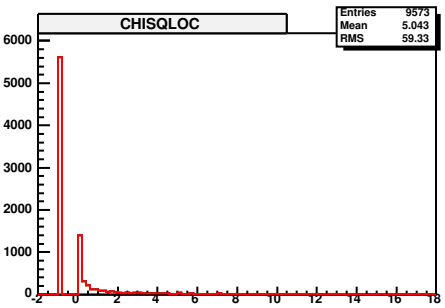


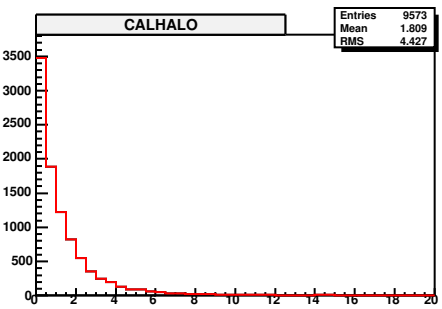


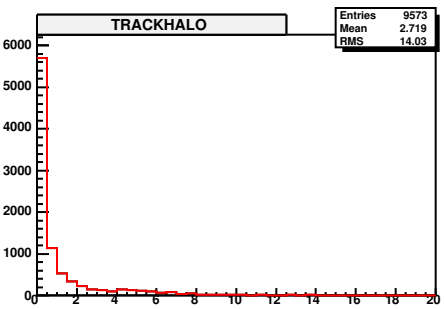


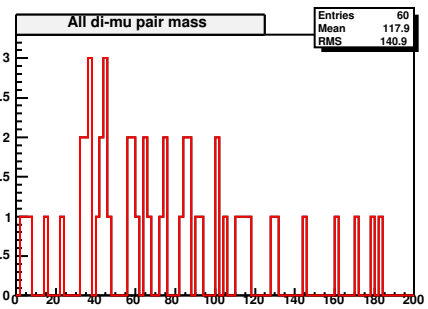


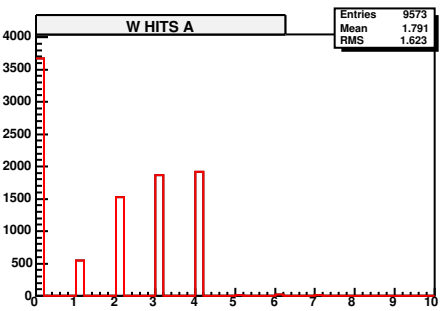


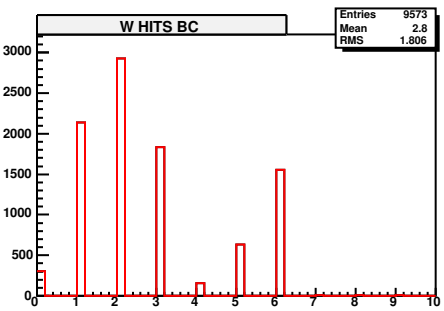


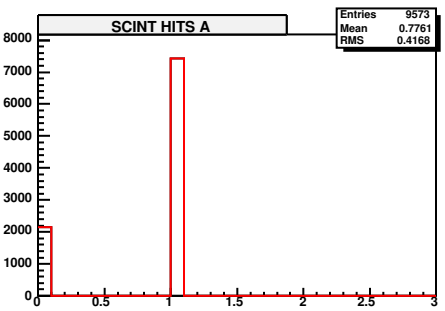


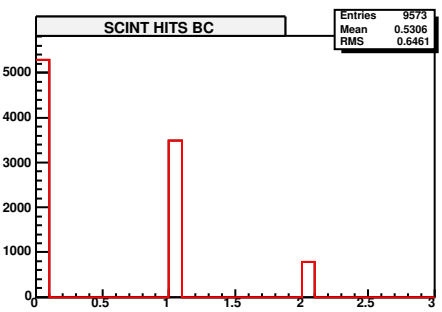




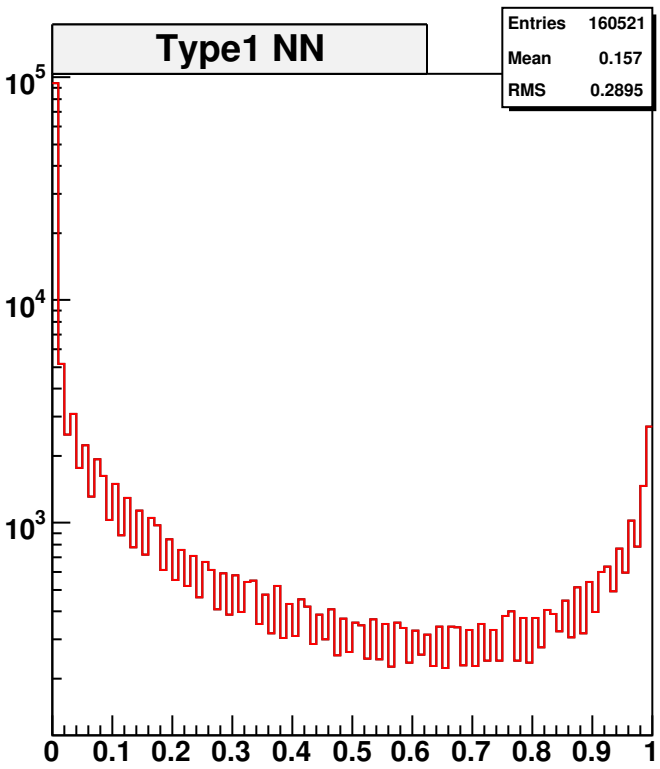


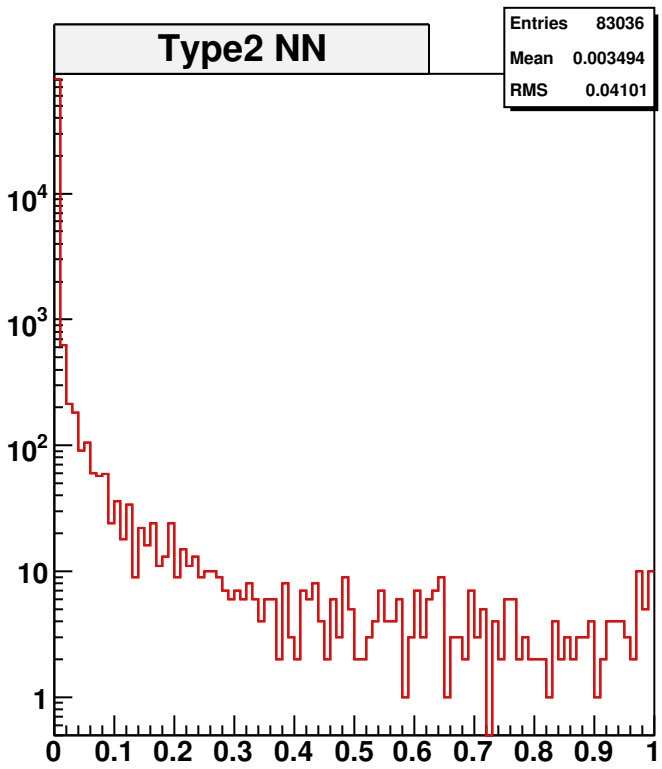


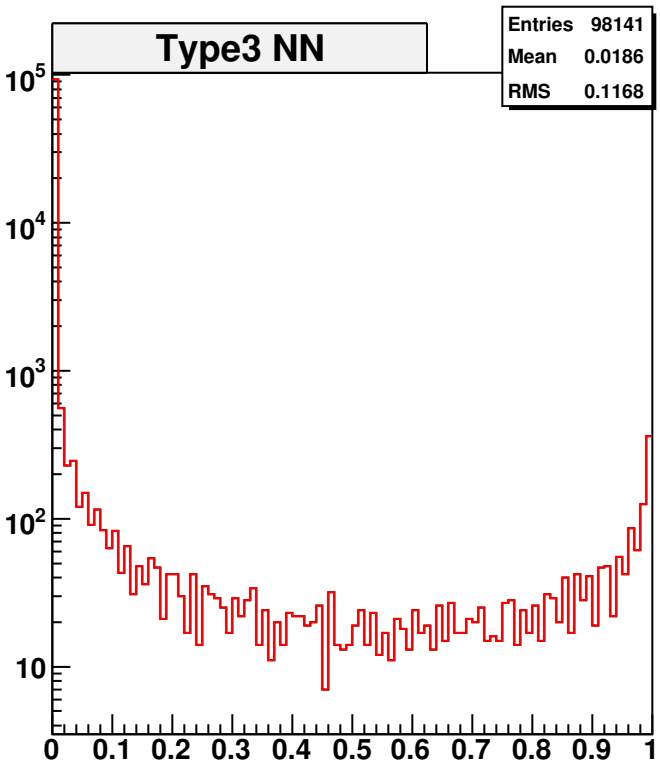


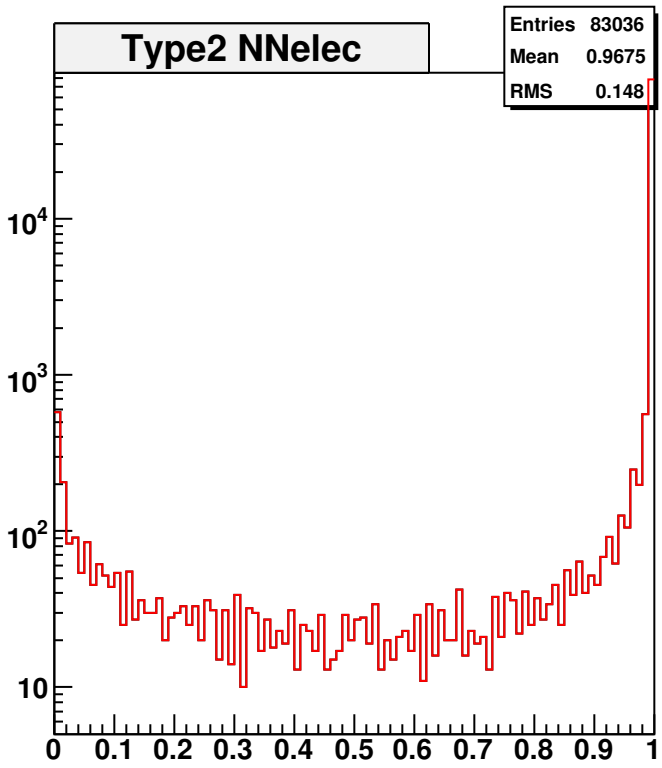


Muons (Unmatched)

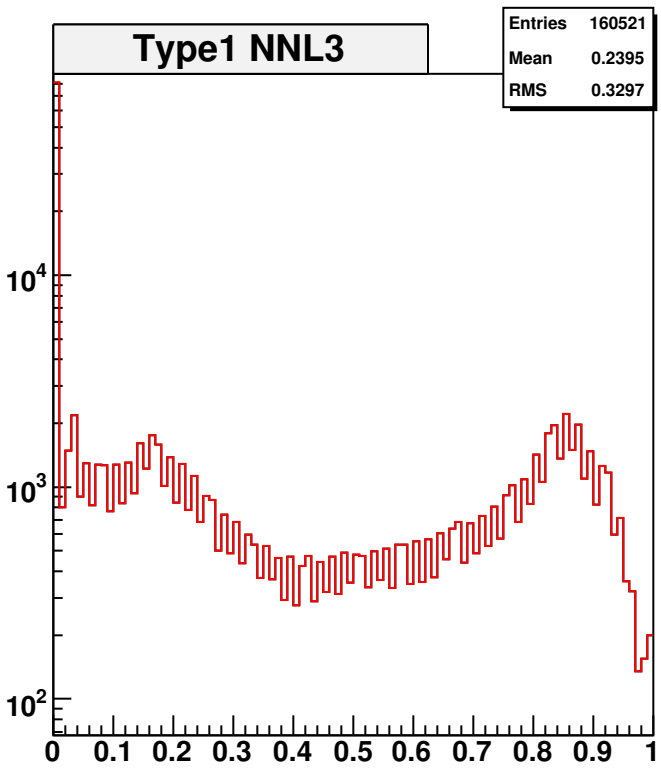


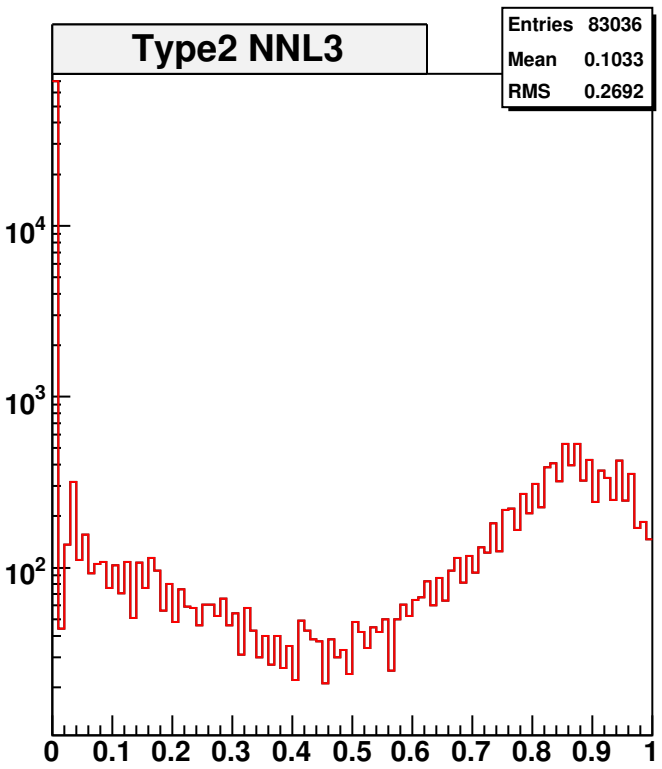


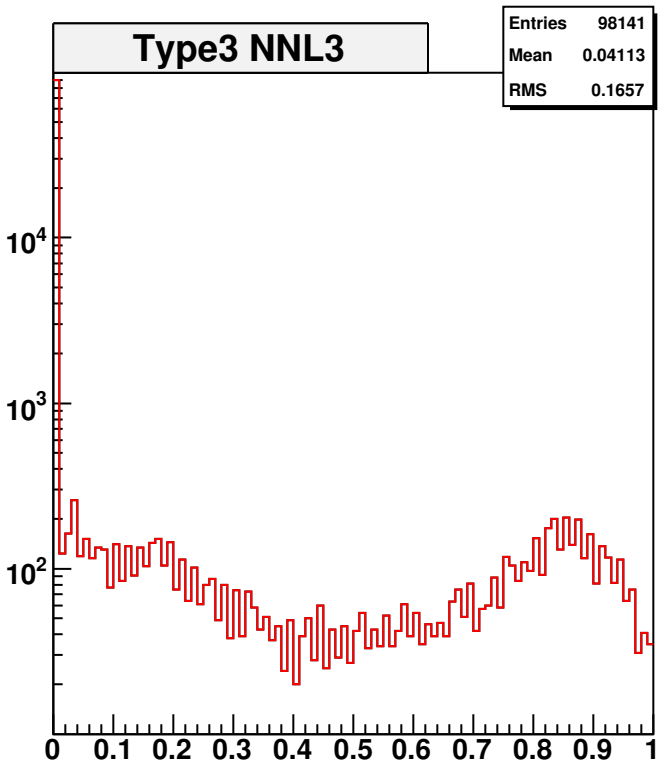


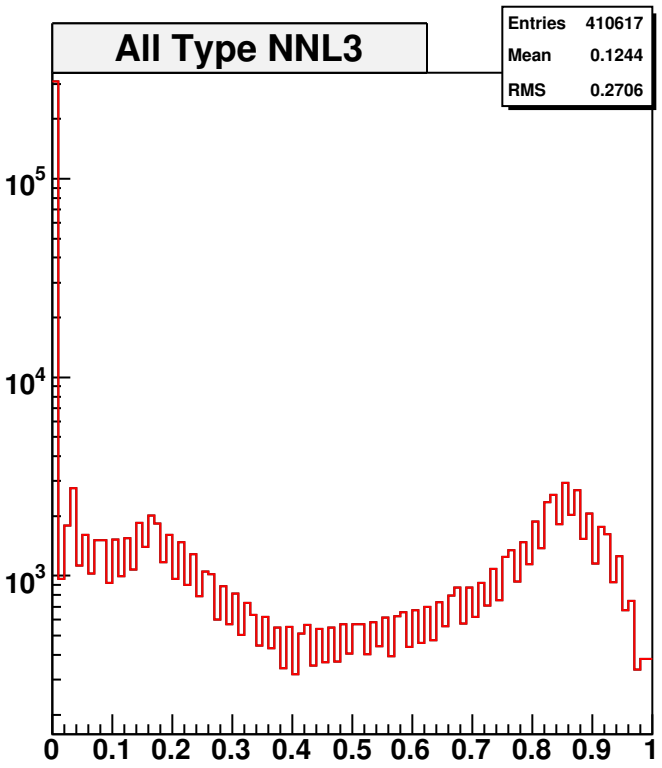


Taus NN (TAU All)

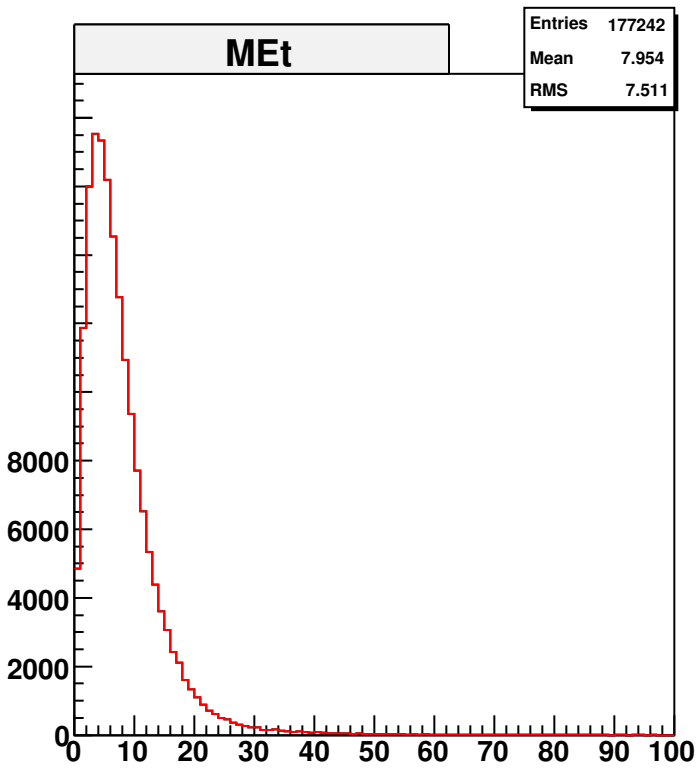


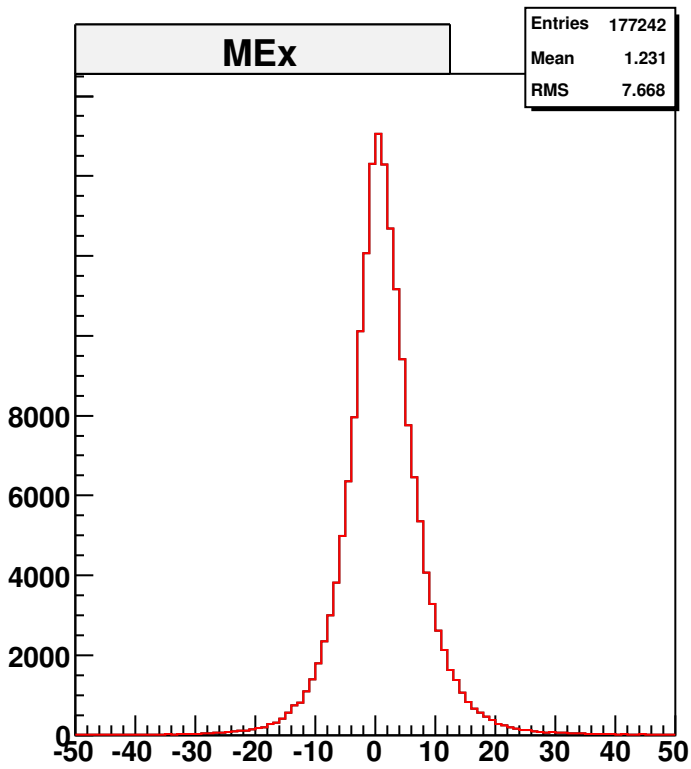


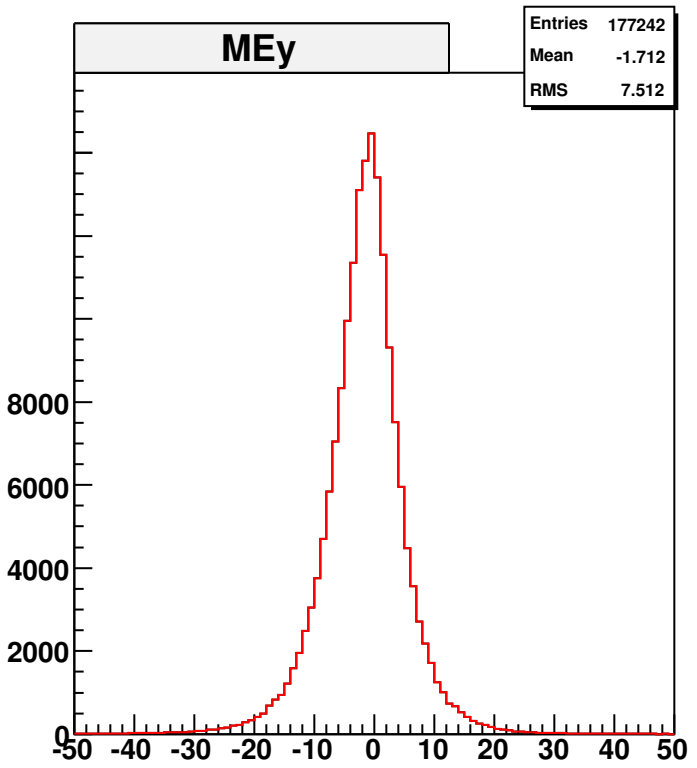




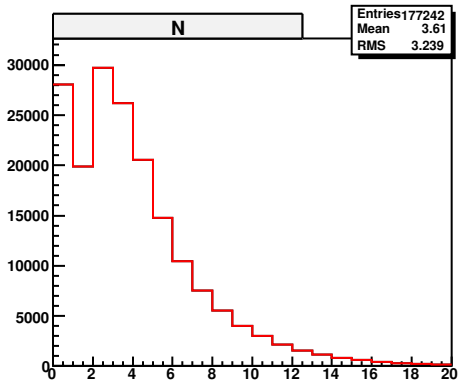
Taus NNL3 (TAU All)

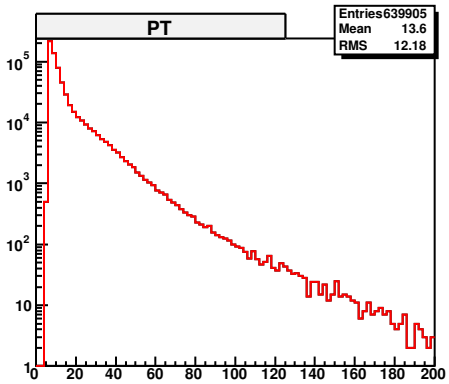

MEt
Entries 177242
Mean 7.954
RMS 7.511
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100

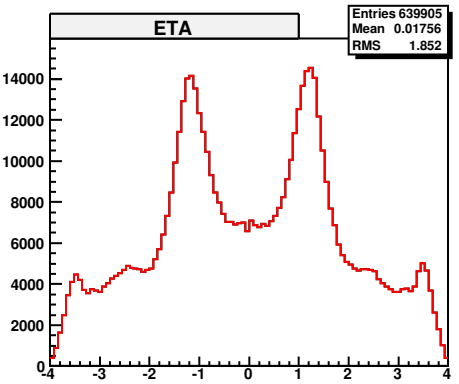

MEx
Entries 177242
Mean 1.231
RMS 7.668
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

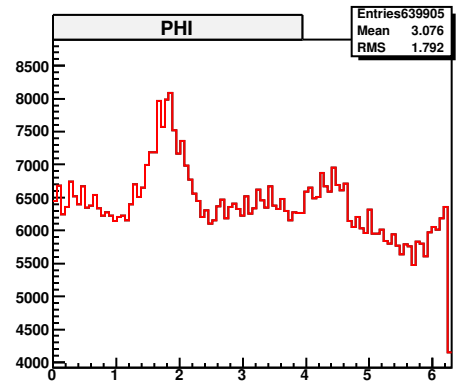

MEy
Entries 177242
Mean -1.712
RMS 7.512
8000
6000
4000
2000
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

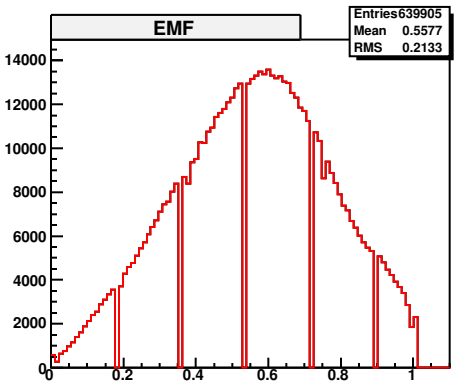
Met (No cuts)

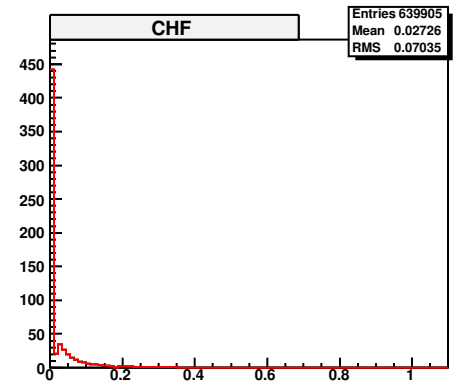


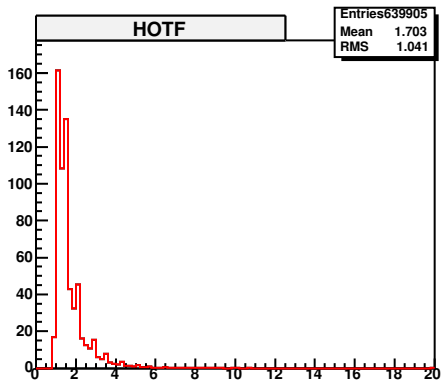


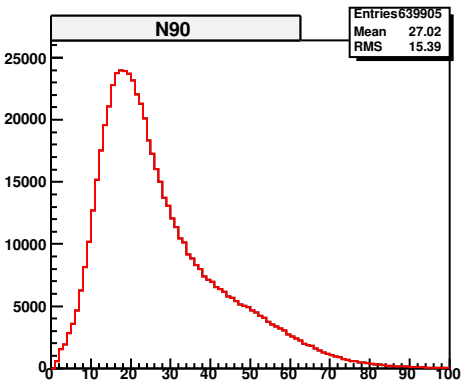


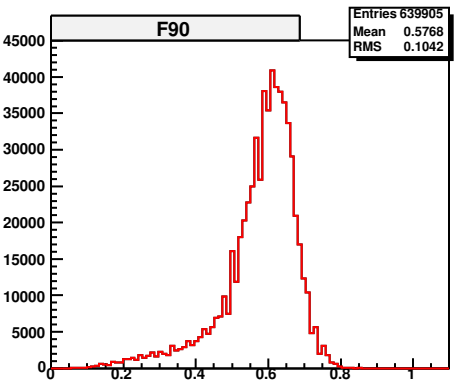


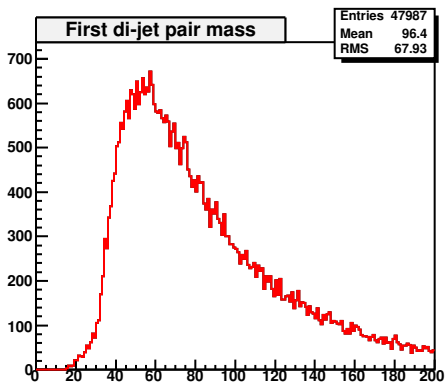


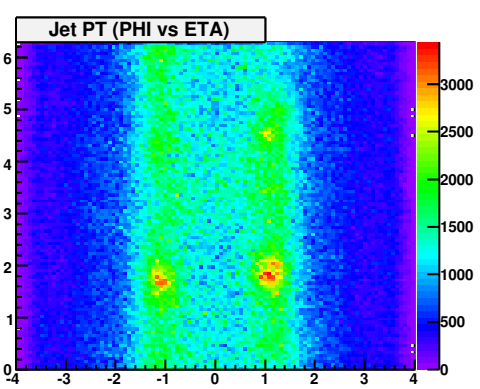




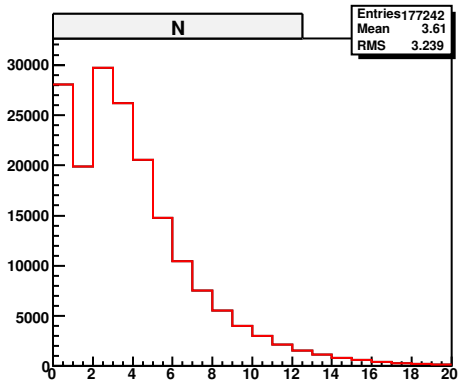


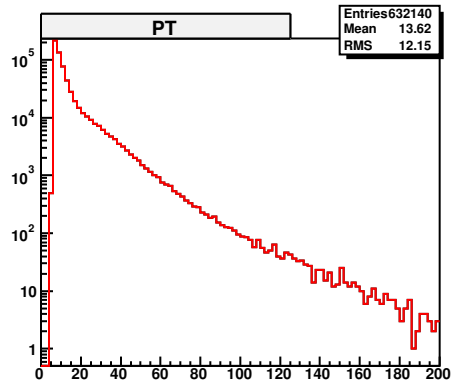


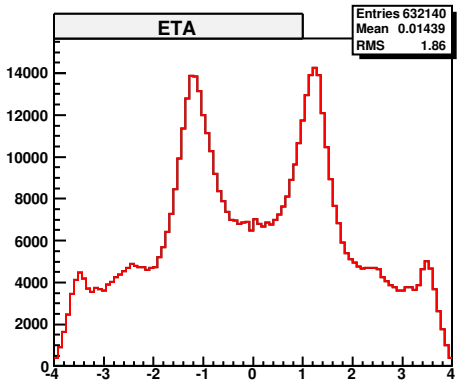


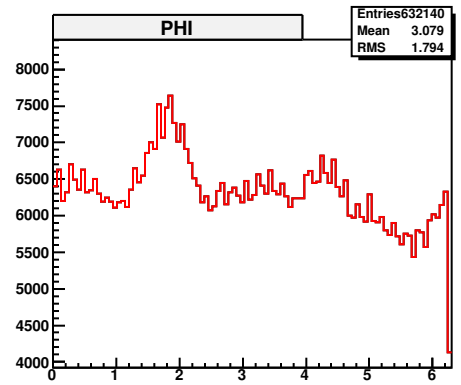


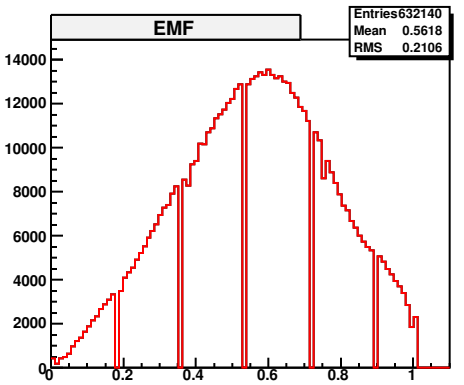
Jets (Cone R 0.7 (no cuts))

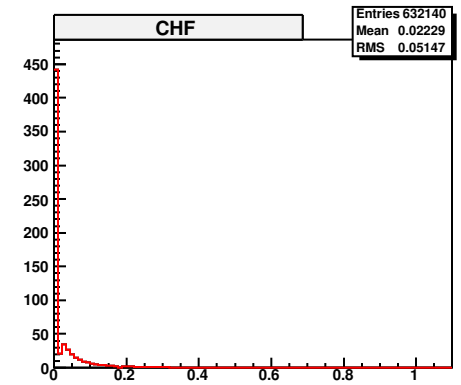


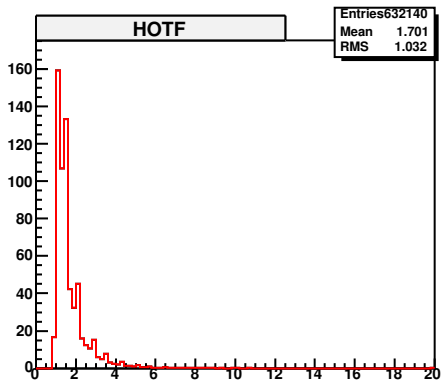


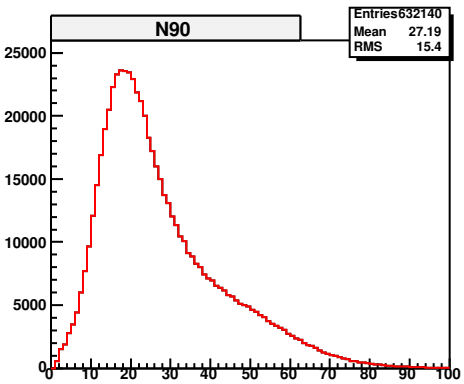


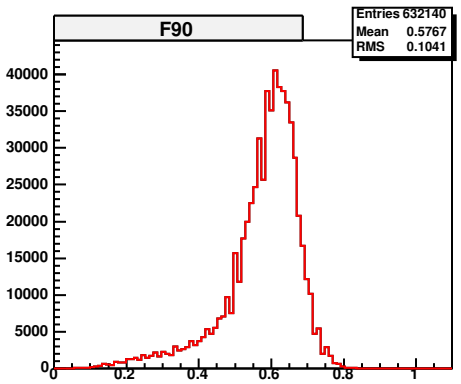


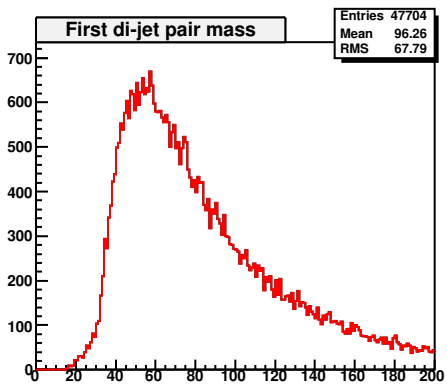


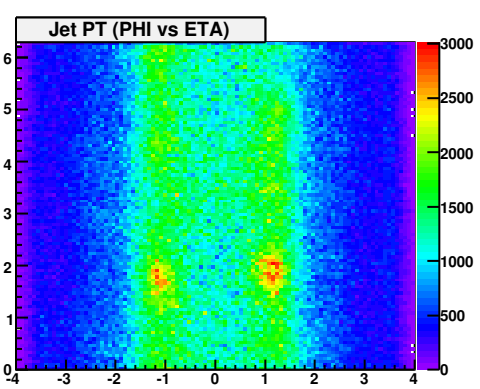




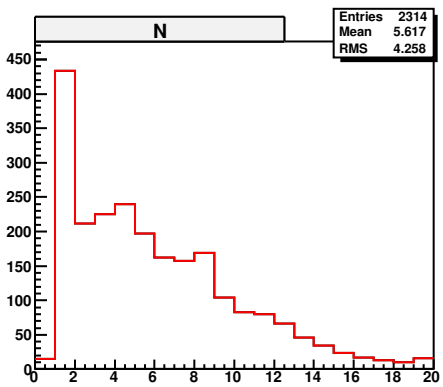


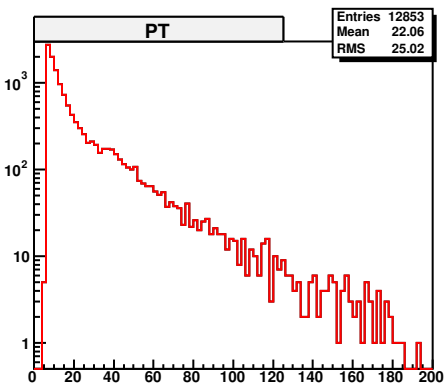


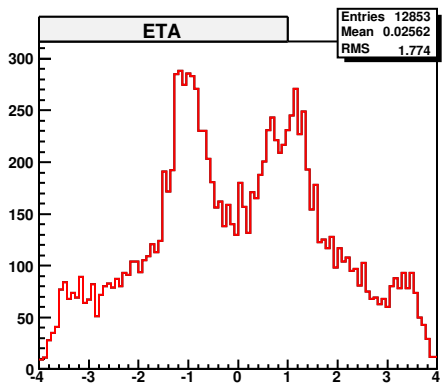


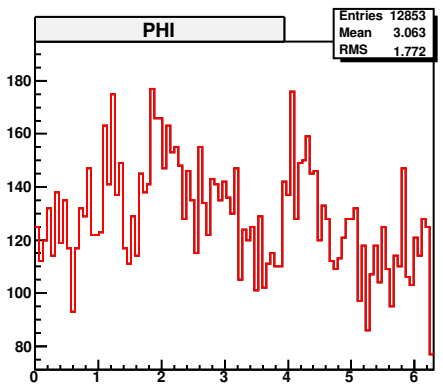


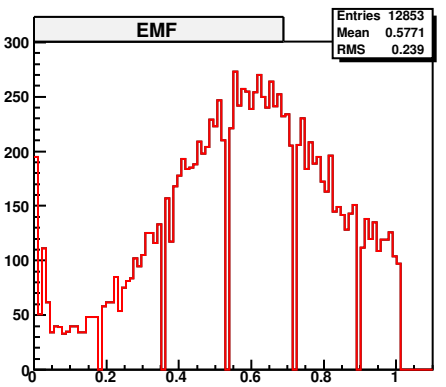
Jets (Cone R 0.7 (standard cuts))

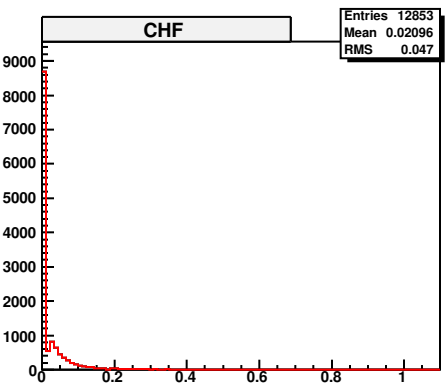


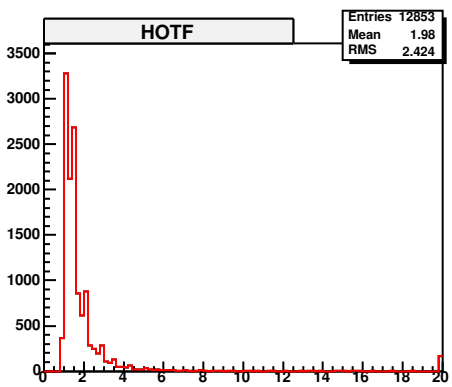


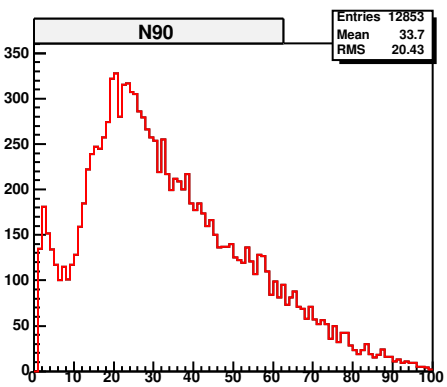


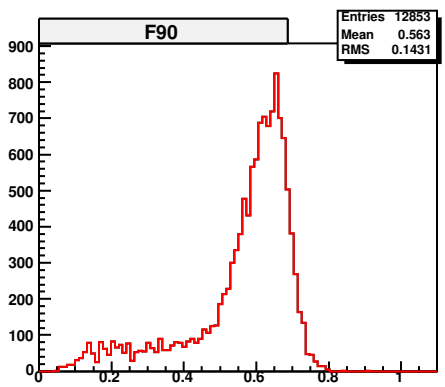


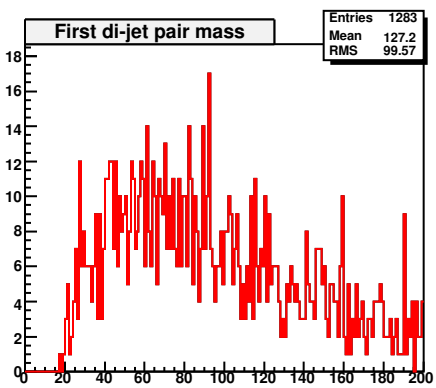


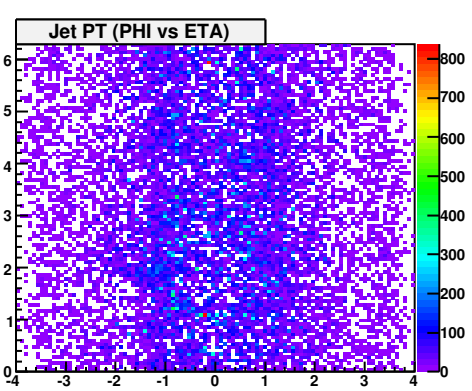




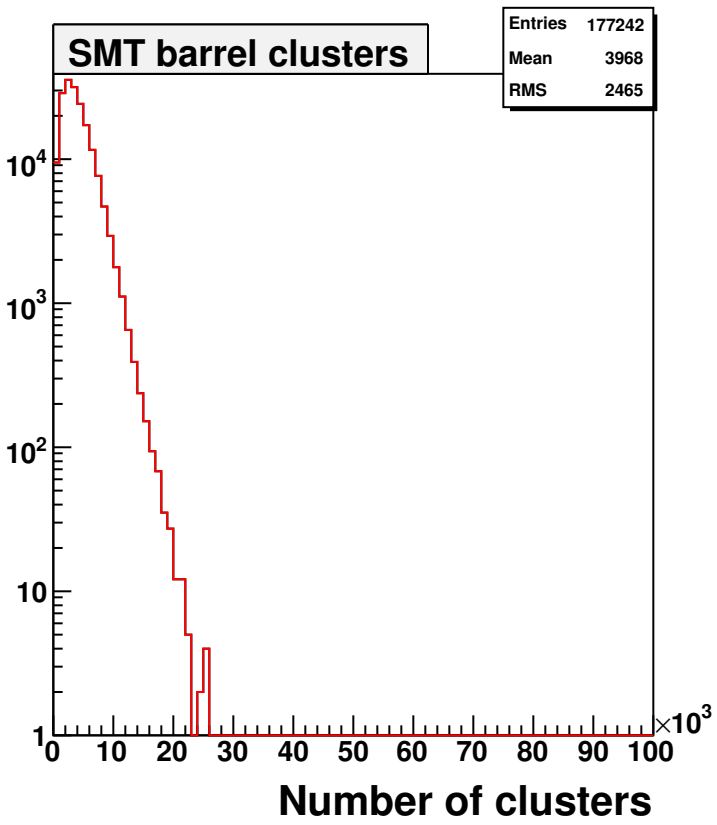


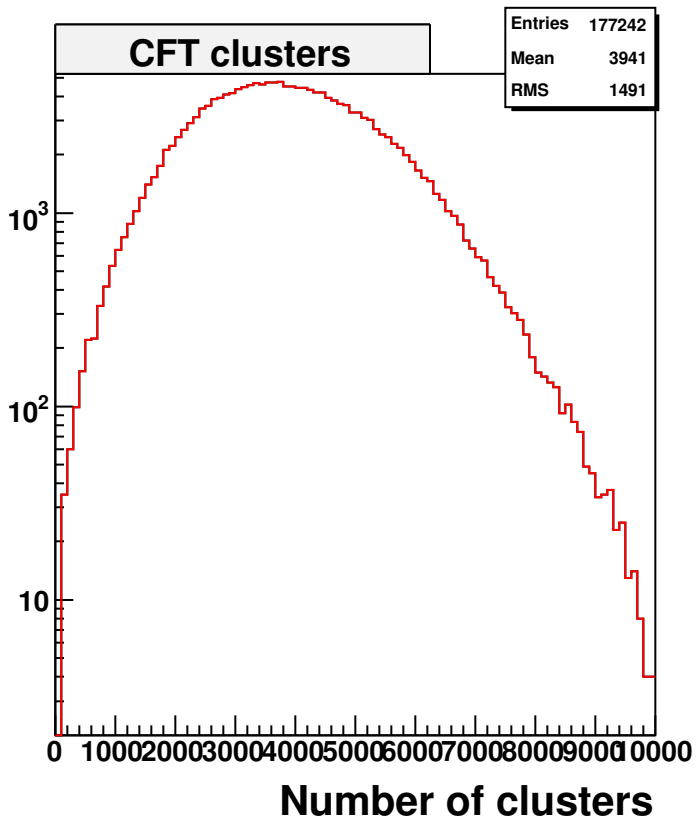


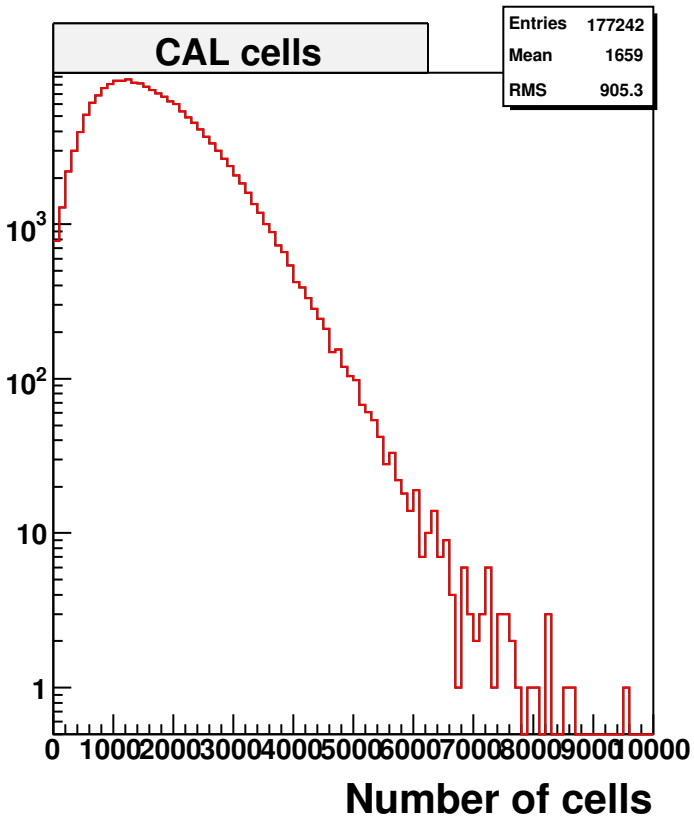


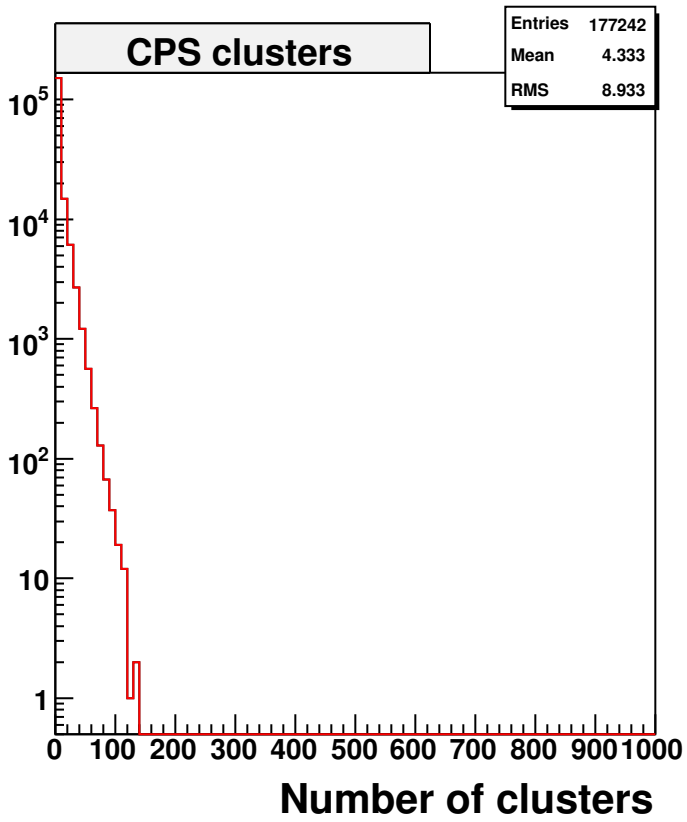


Jets (Cone R 0.7 (standard cuts, MET>30))

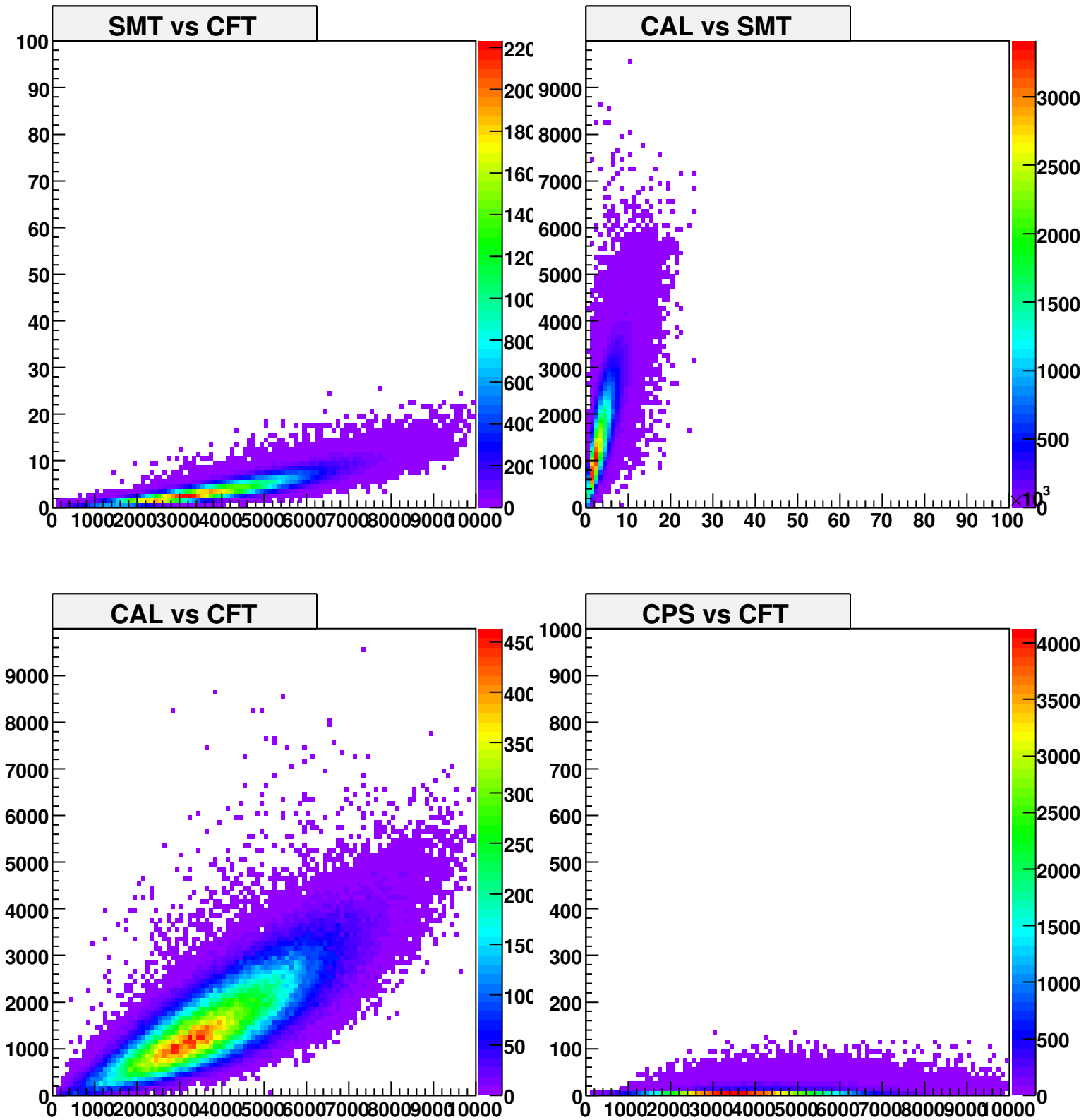


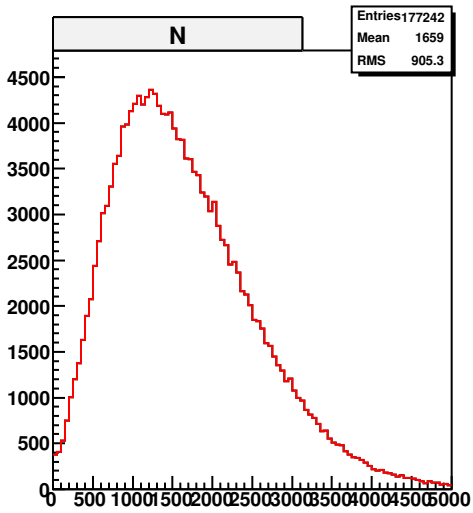


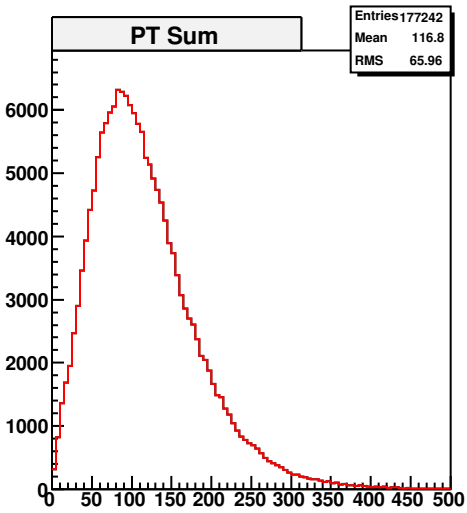


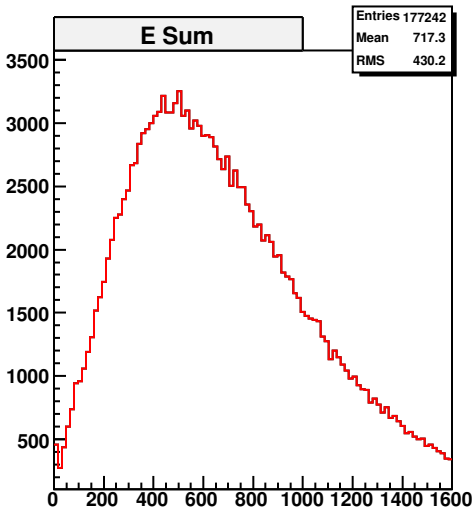


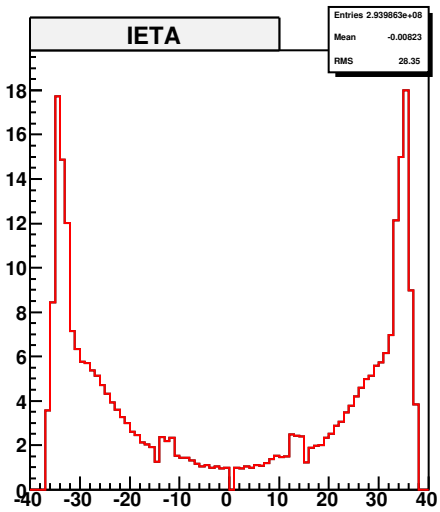
Detector Occupancy (Detector)

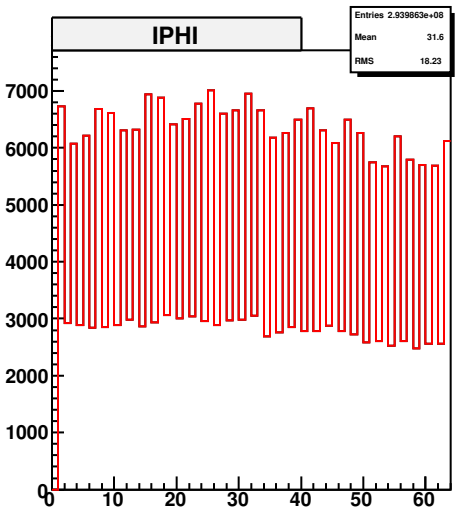

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

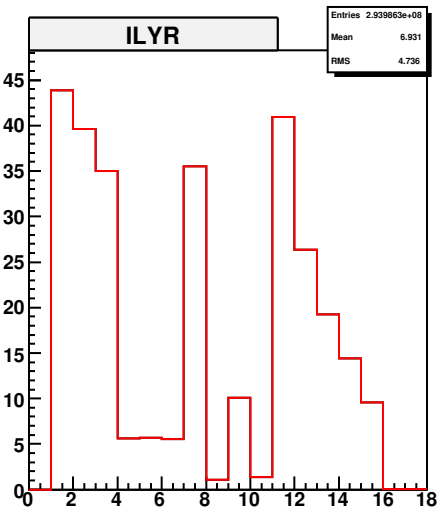


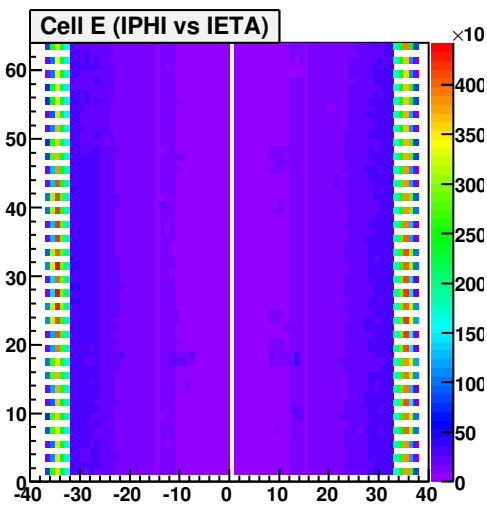


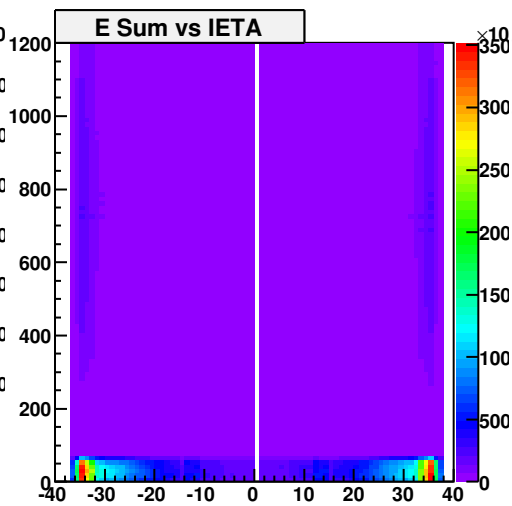


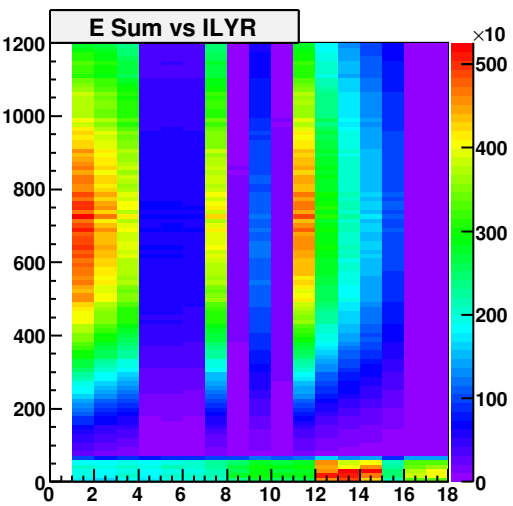




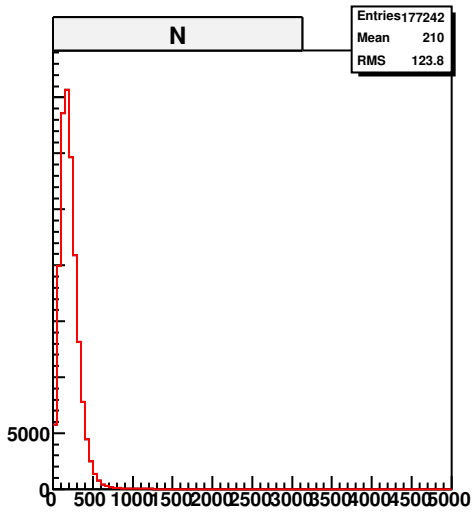


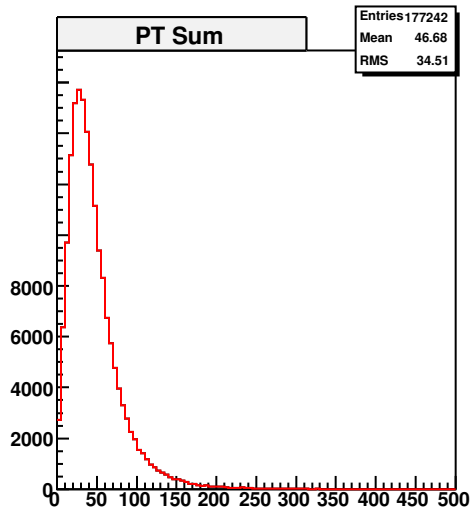


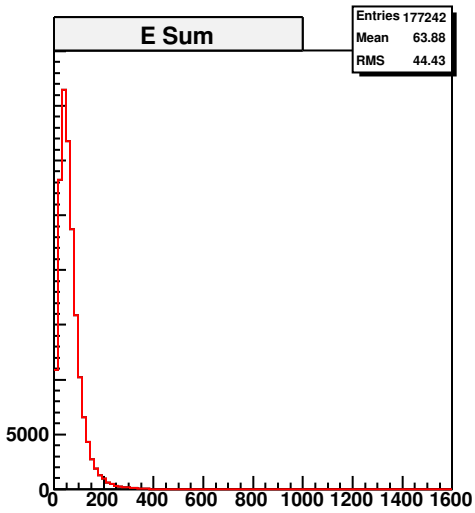


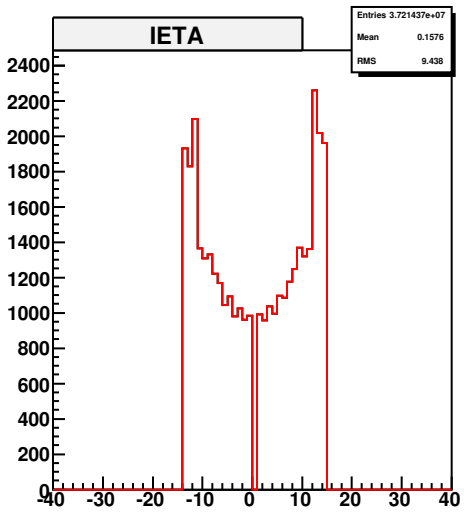


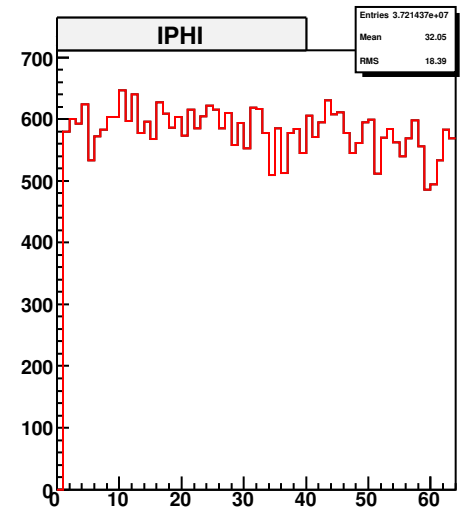
Calorimeter (All cells)

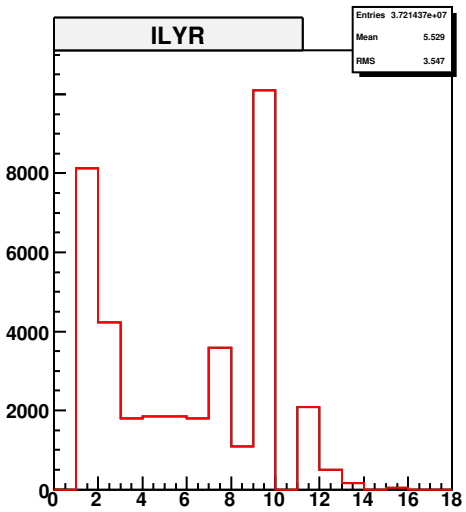


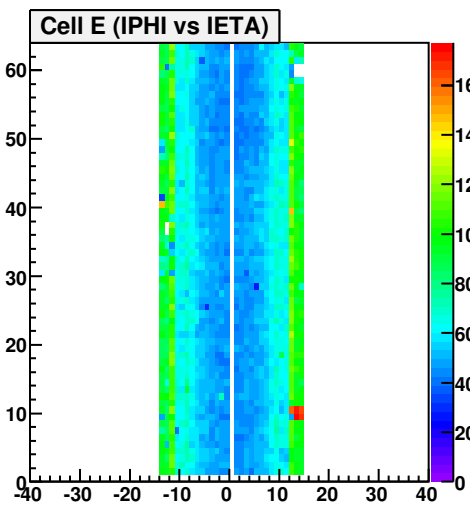


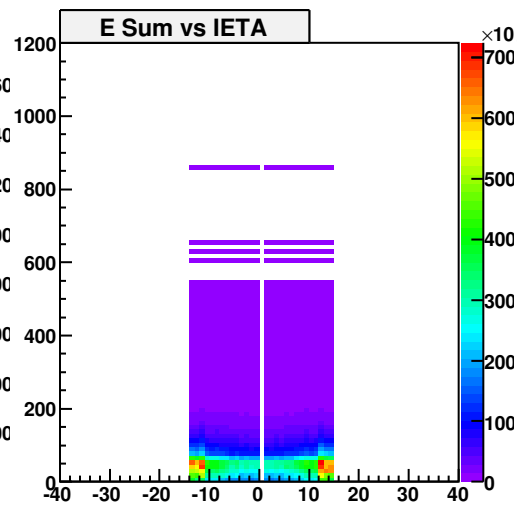


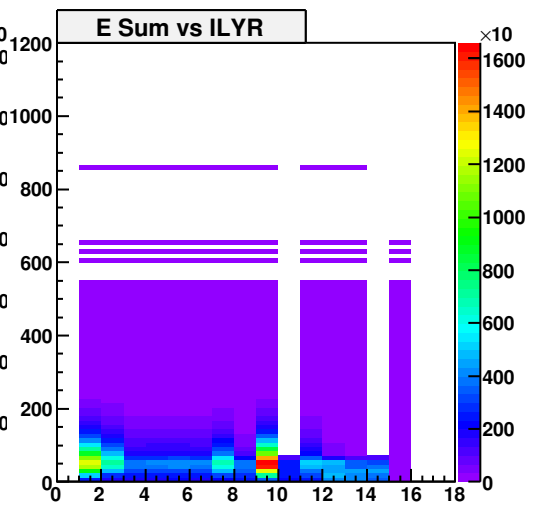




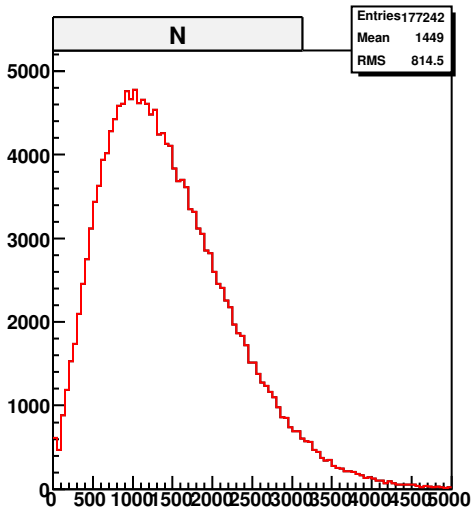


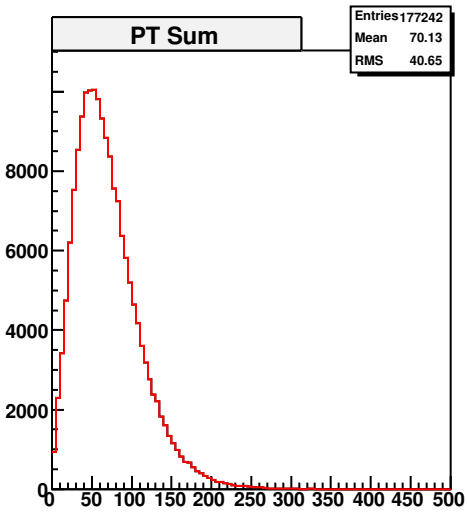


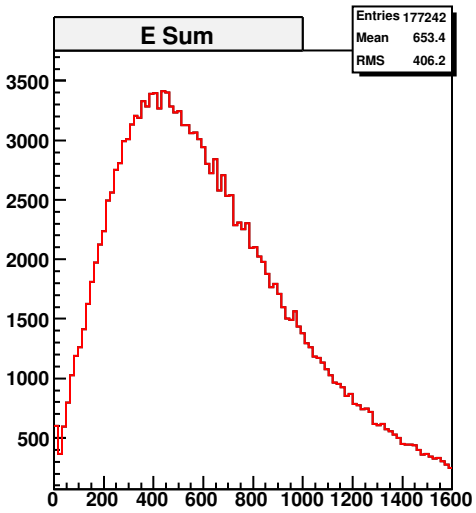


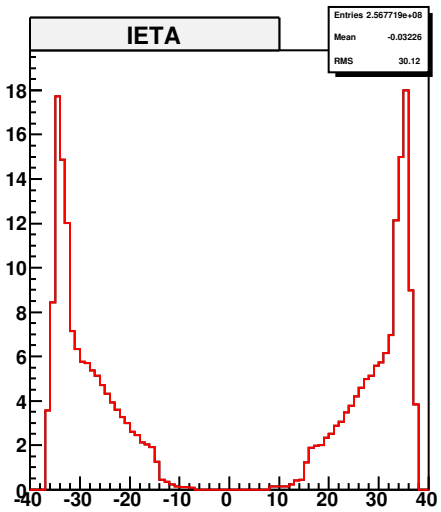


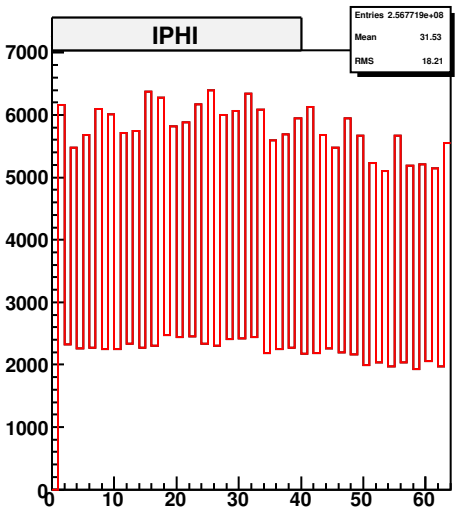
Calorimeter (All CC cells)

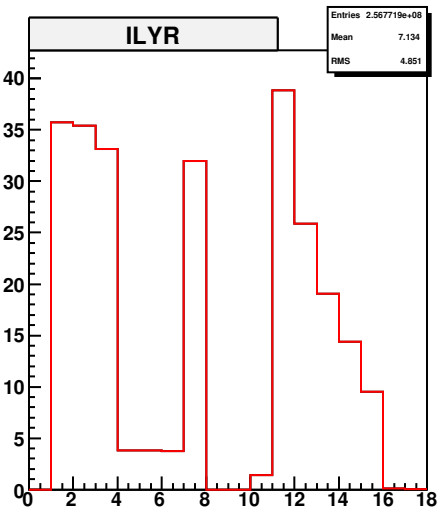


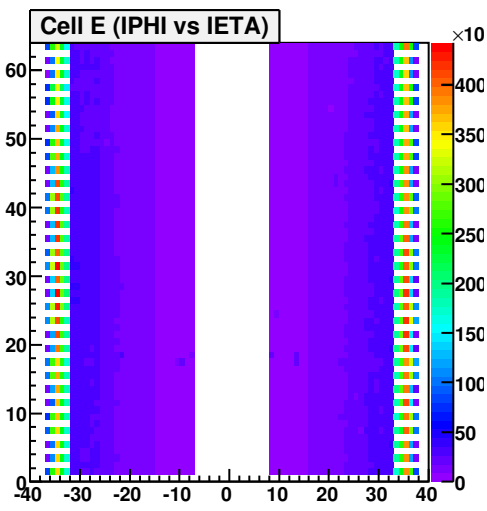


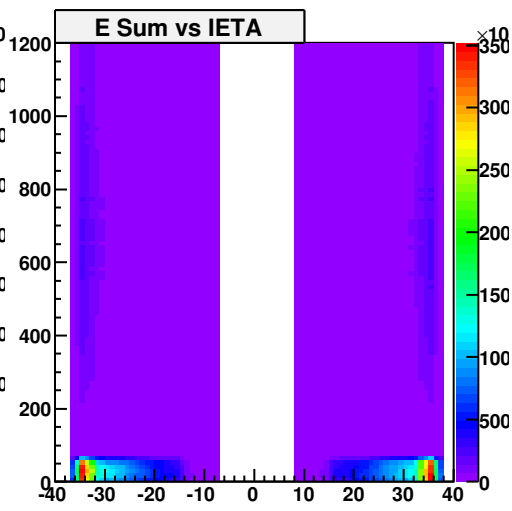


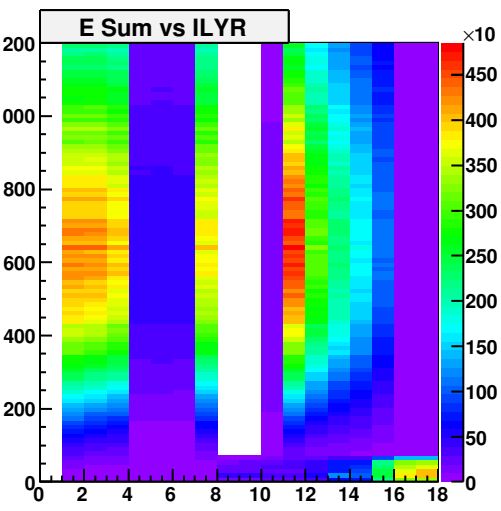




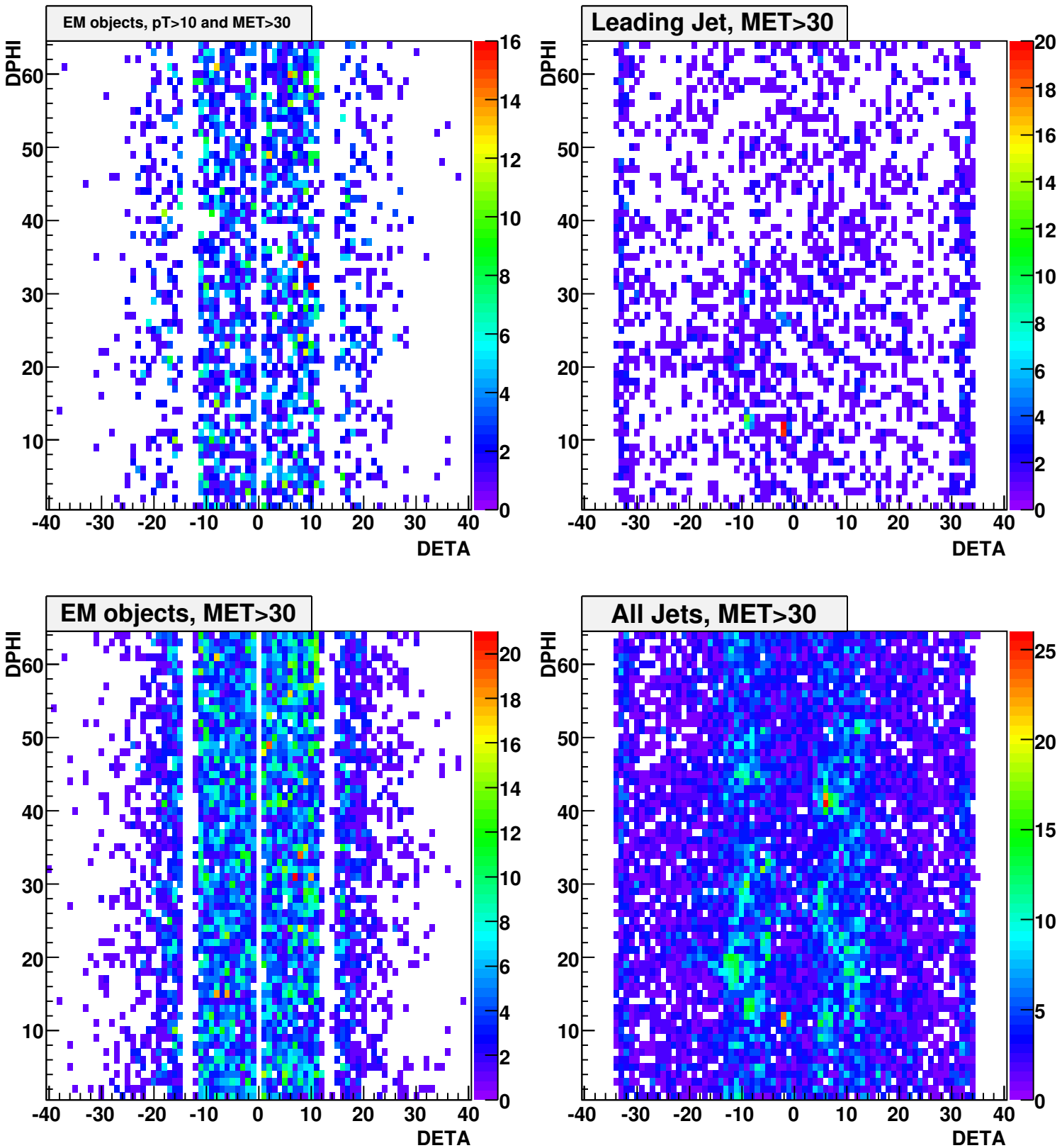




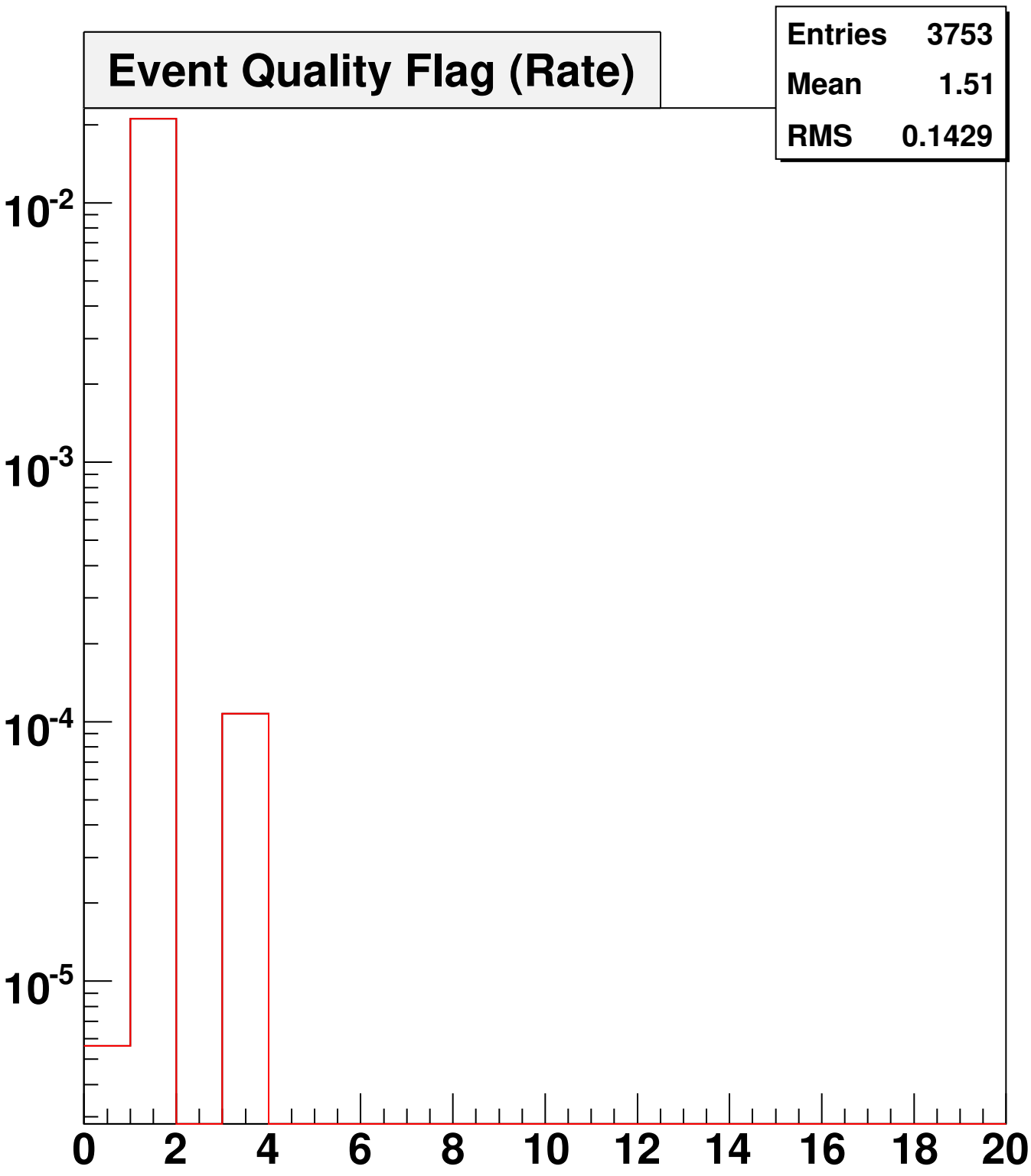


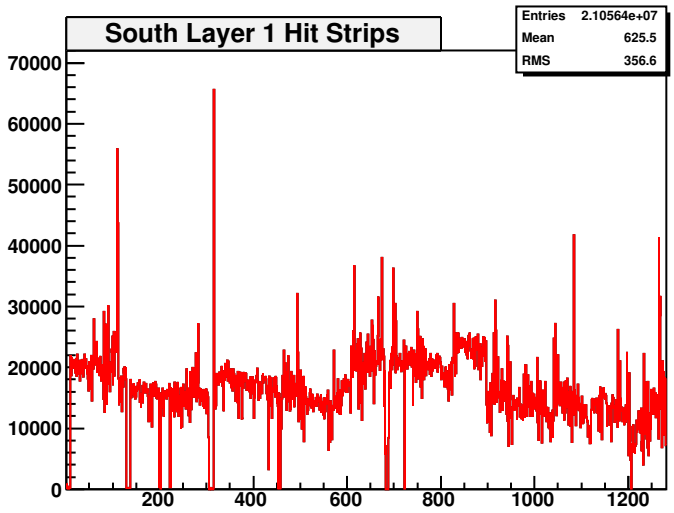


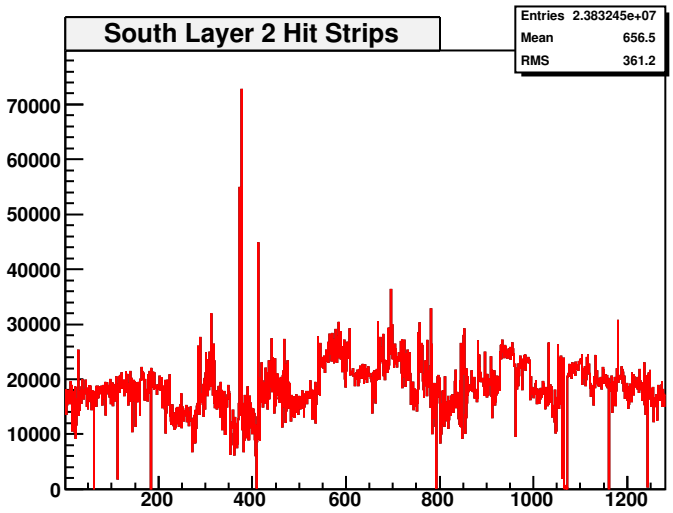
Calorimeter (All EC cells)

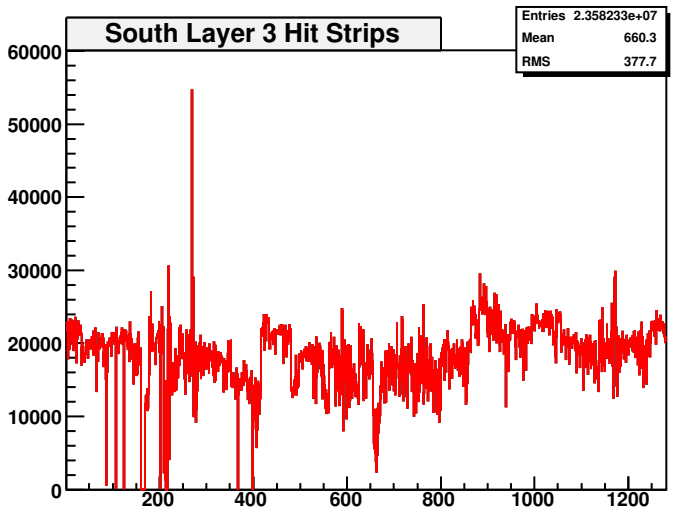


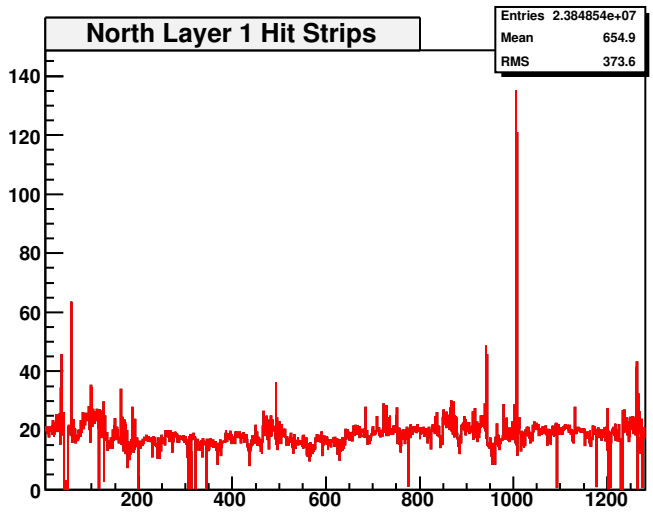
Cal Objects with MET>30 (All cells)

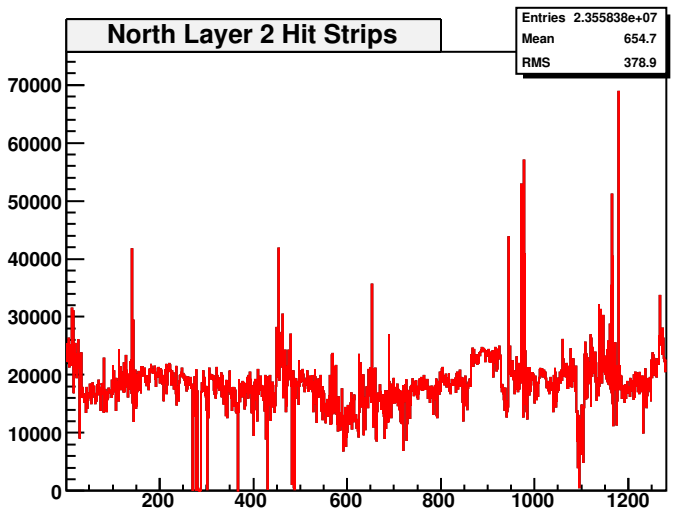

Event Quality Flag (Rate)
Entries 3753
Mean 1.51
RMS 0.1429
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

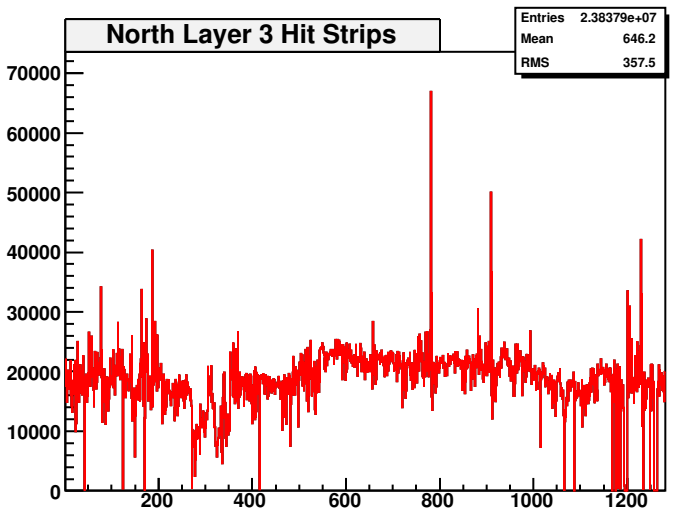




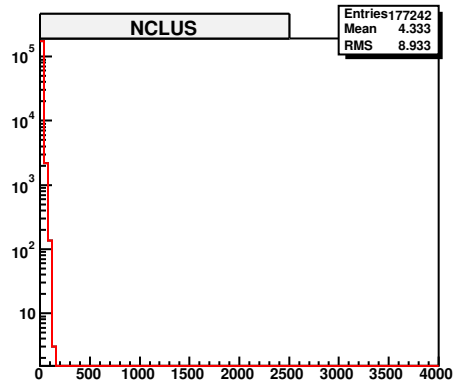


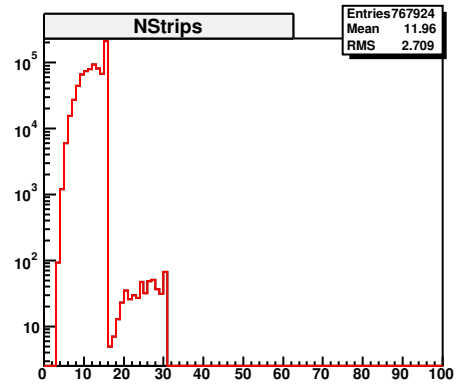


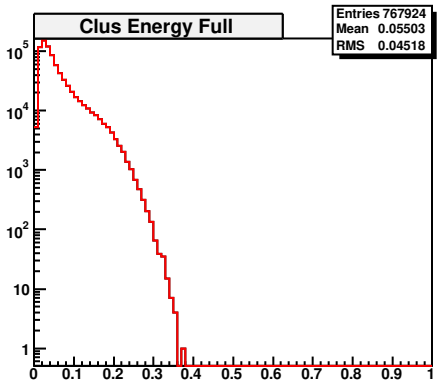


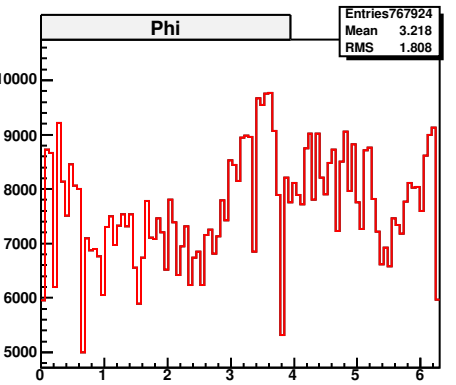


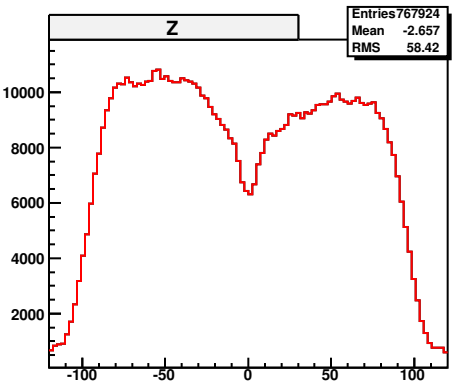
CPS Hit Strips (All Clusters)

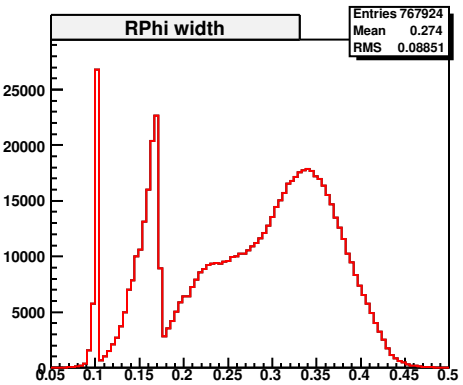


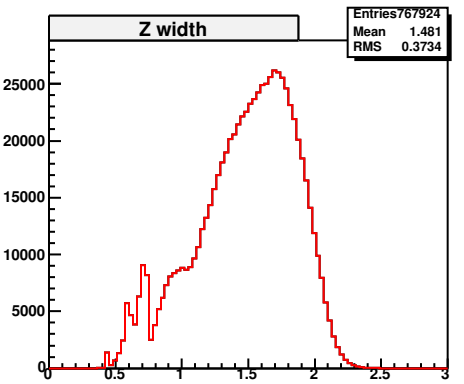


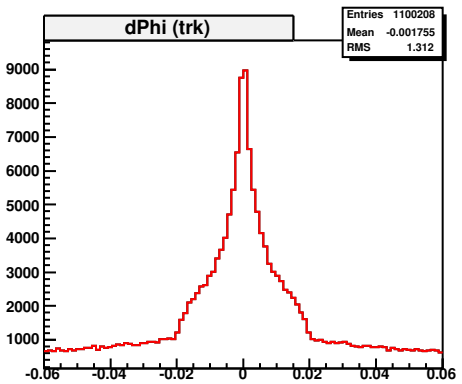


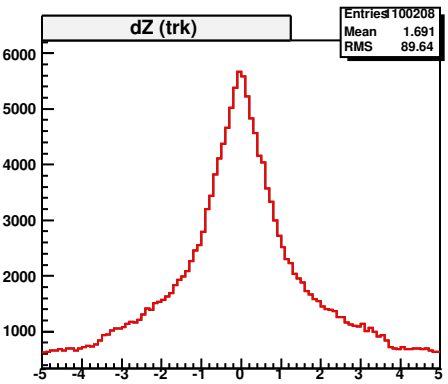


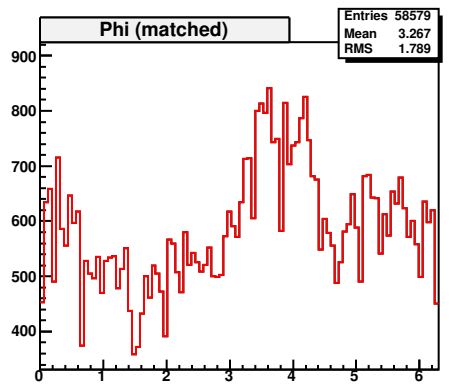


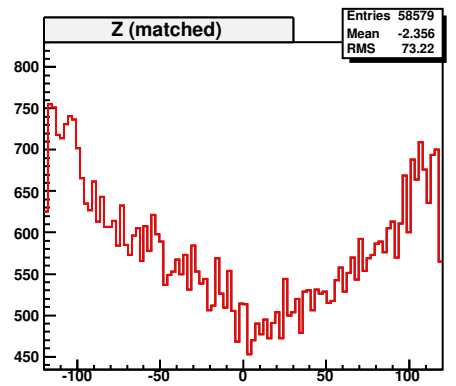




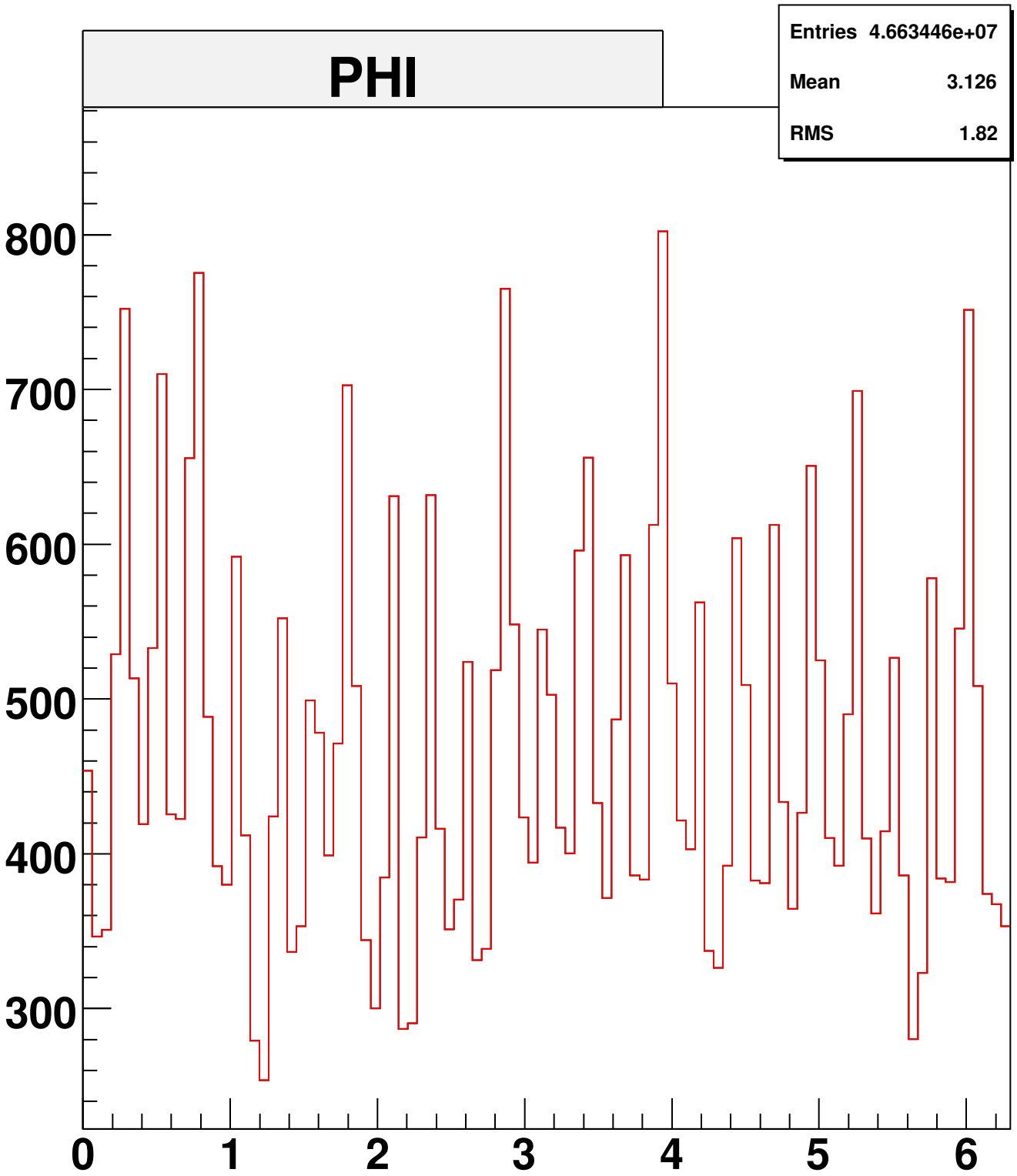


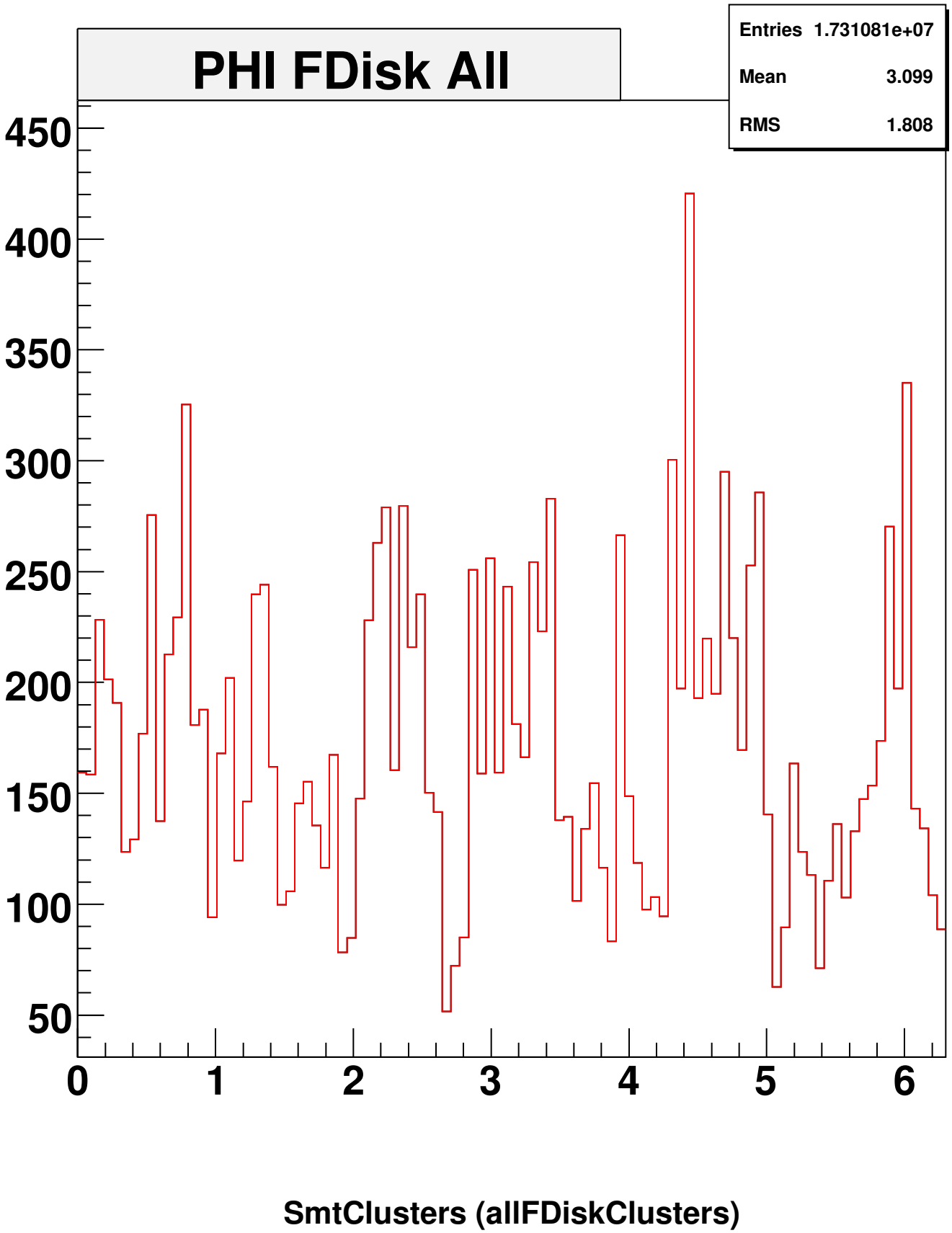


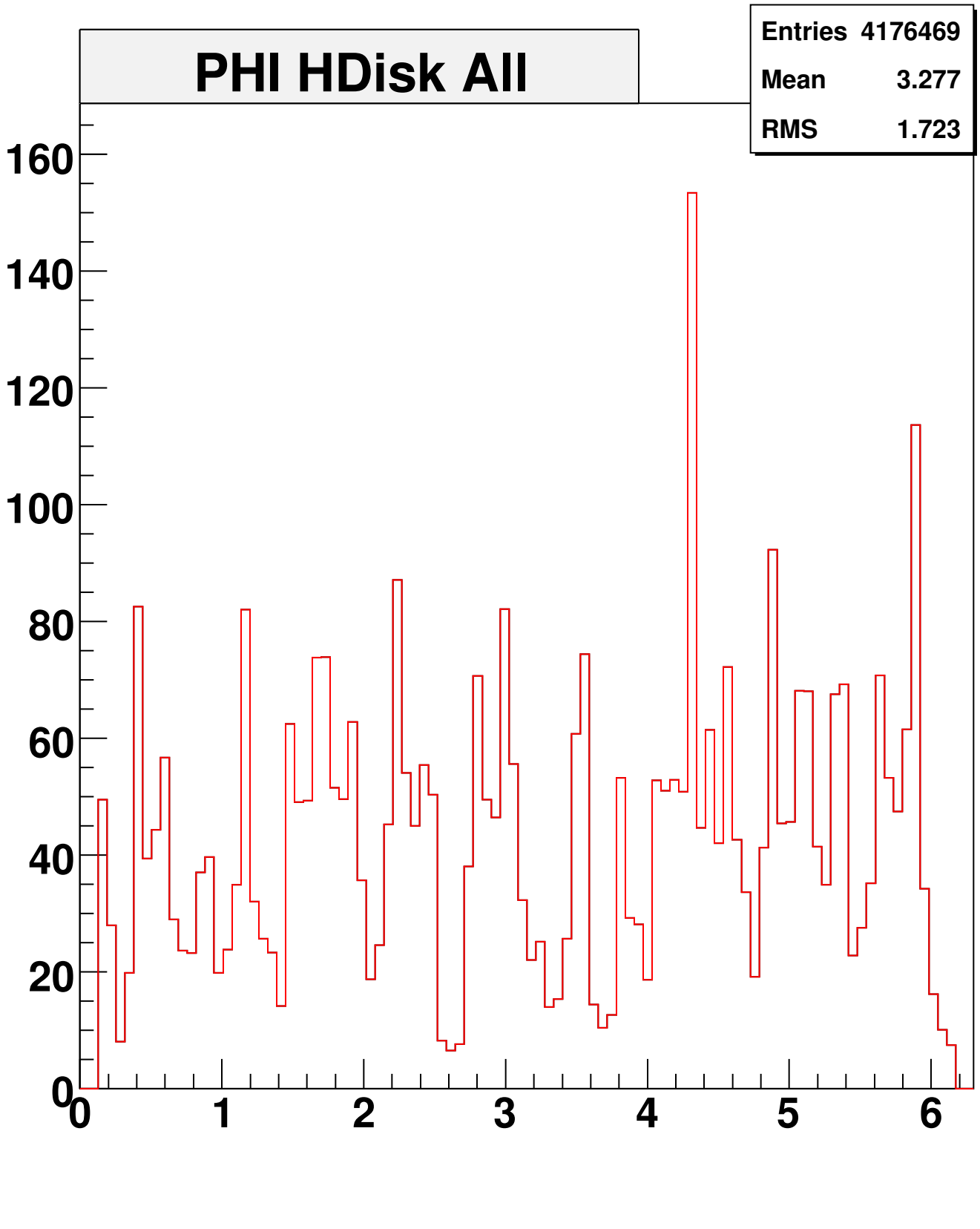


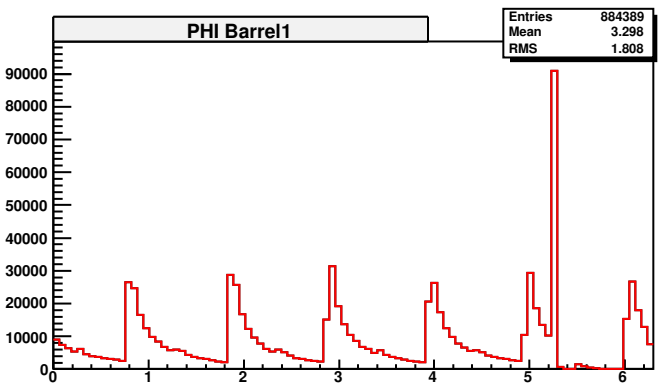


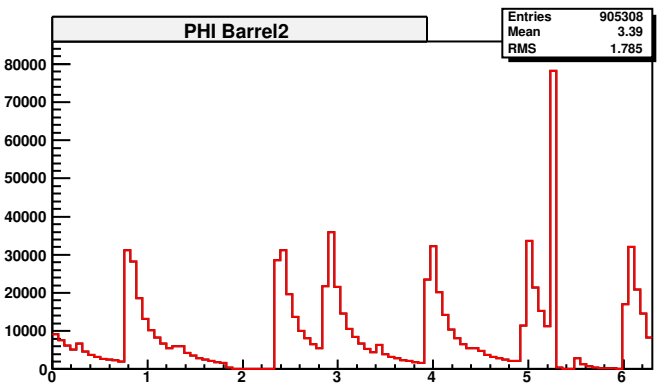
CPS Clusters (All Clusters)

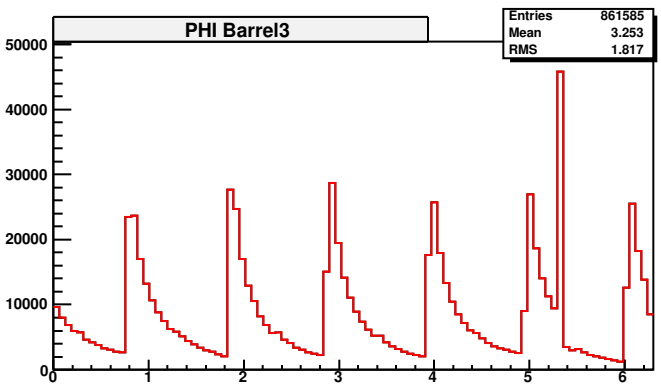

PHI
Entries 4.663446e+07
Mean 3.126
RMS 1.82
800
700
600
500
400
300
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

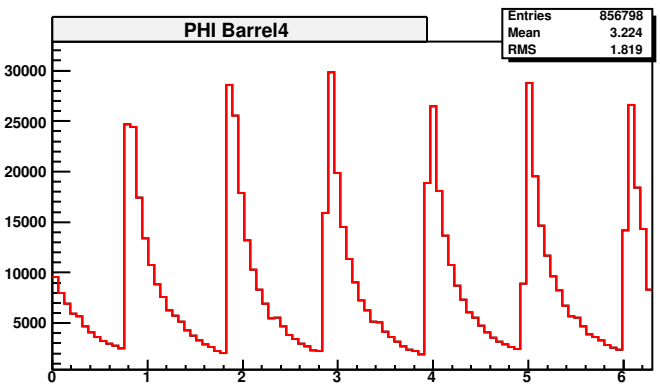

PHI FDisk All
Entries 1.731081e+07
Mean 3.099
RMS 1.808
450
400
350
300
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

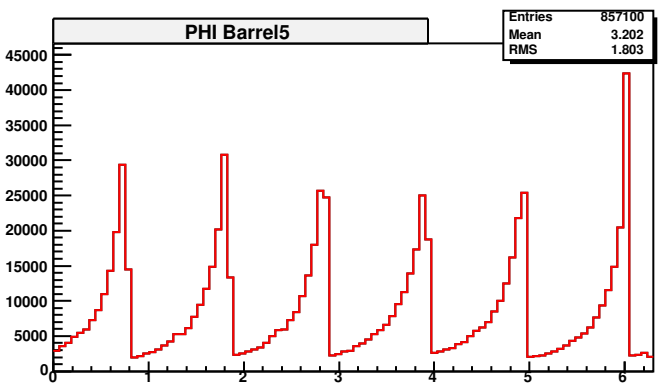

PHI HDisk All
Entries 4176469
Mean 3.277
RMS 1.723
160
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

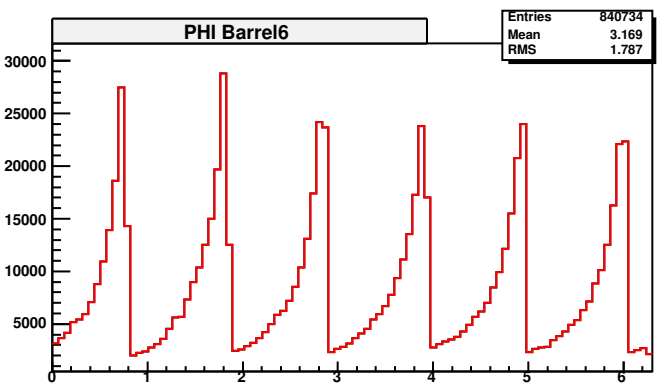


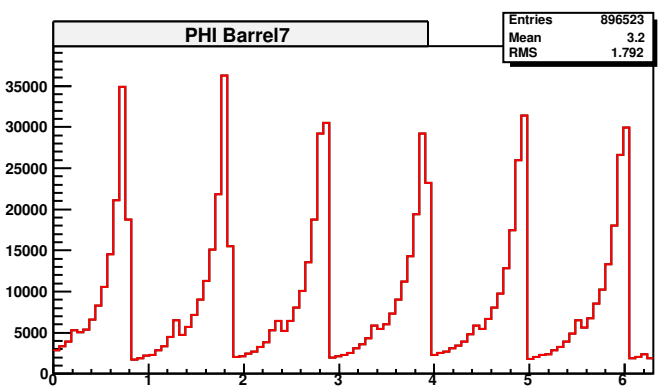


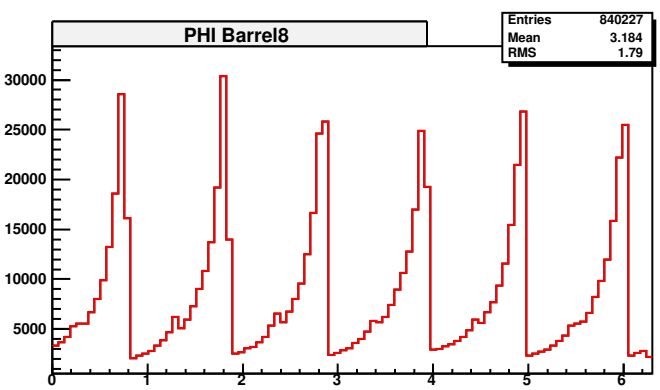




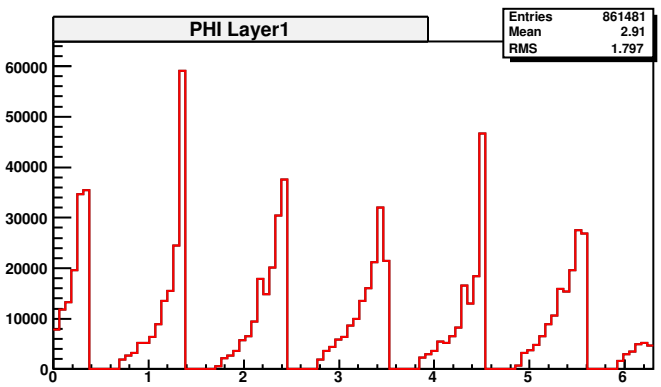


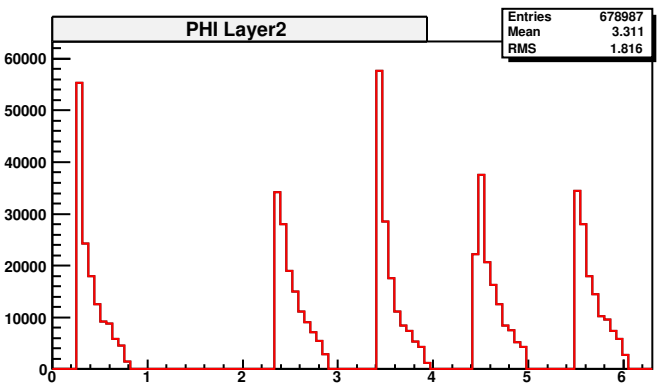


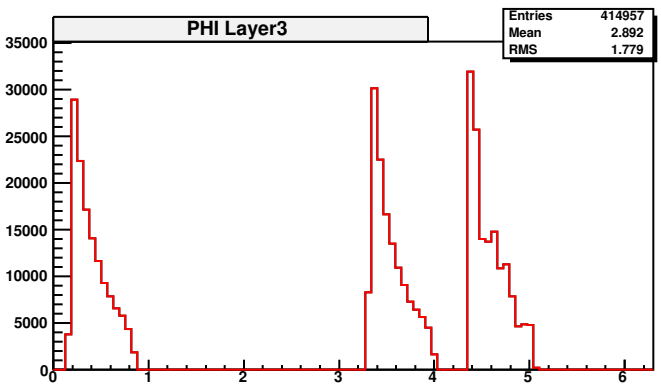


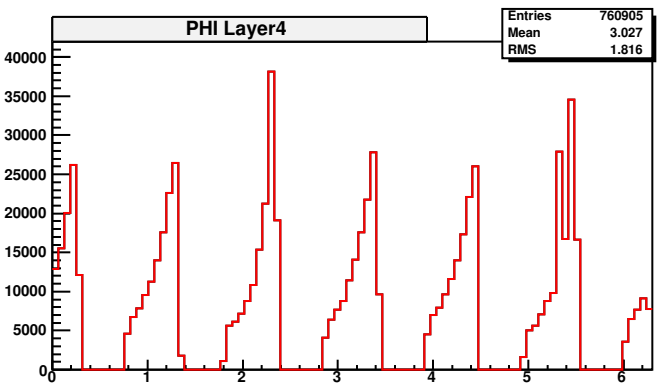


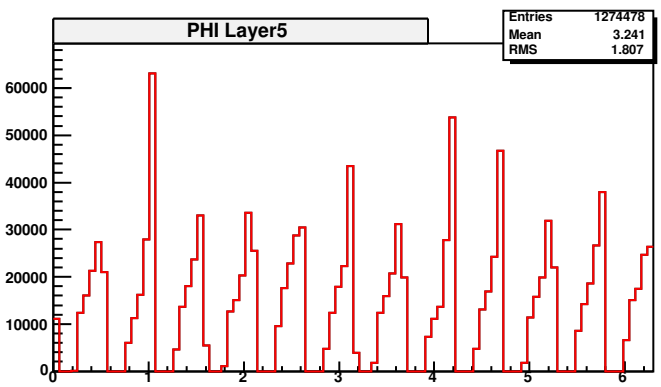
SmtClusters (ClustrLayer0)

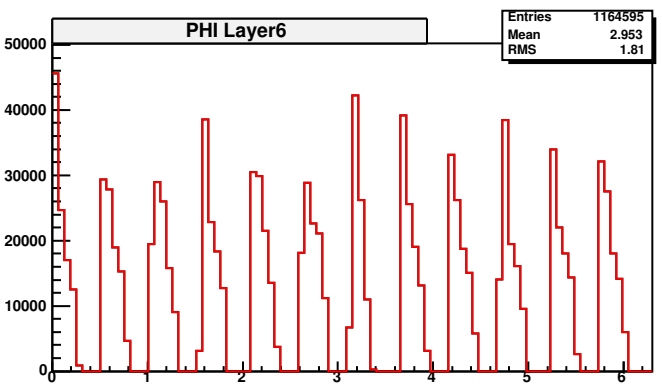


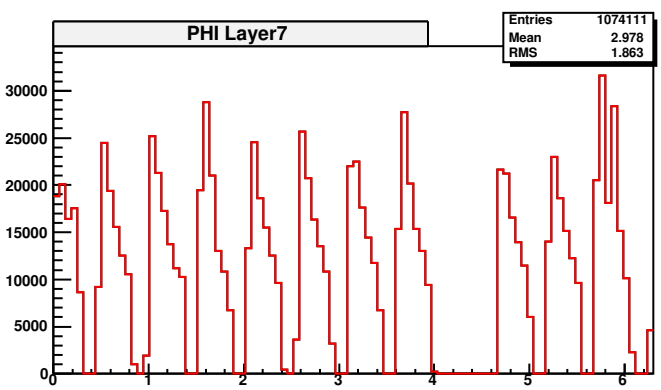


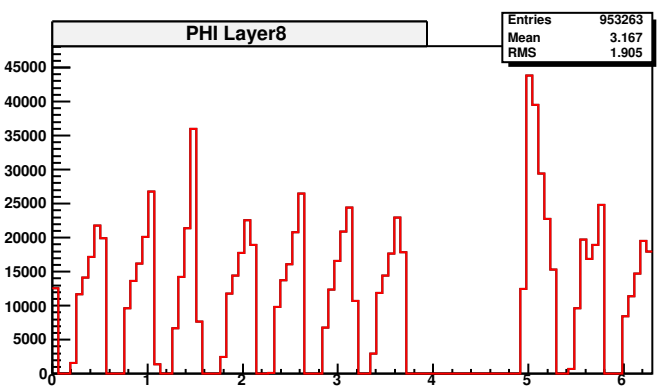




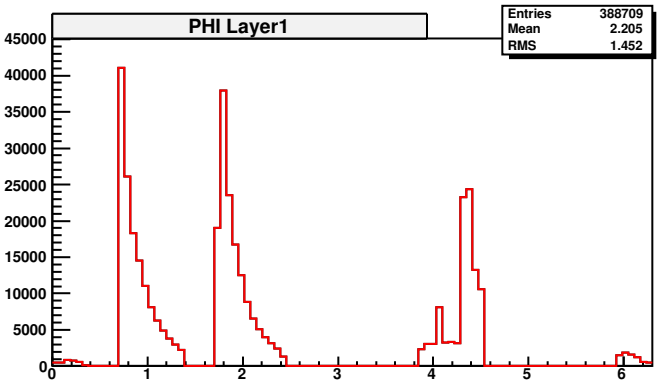


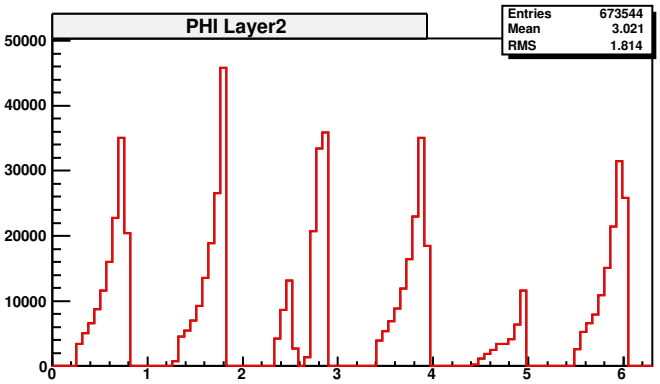


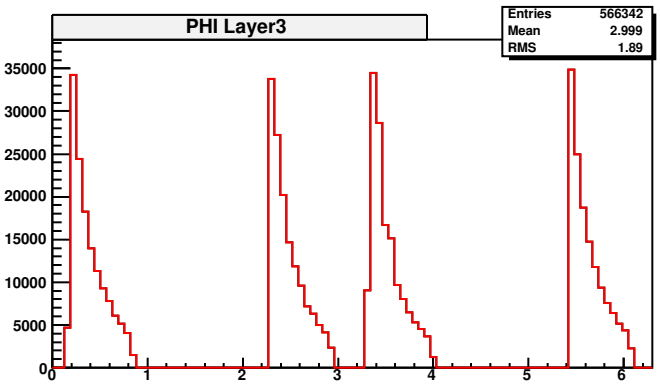


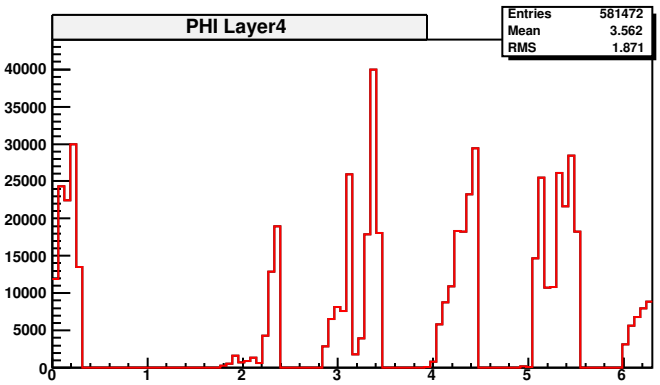


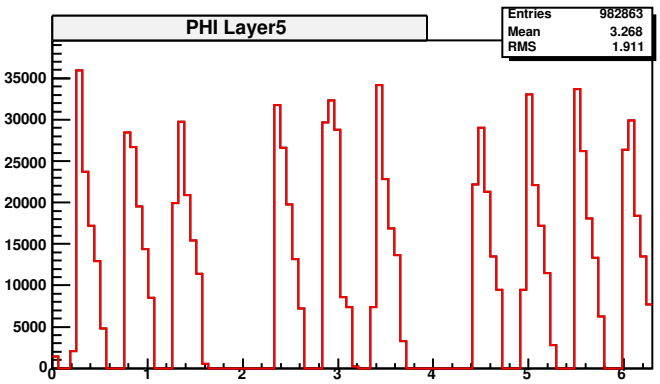
SmtClusters (ClustrBar1)

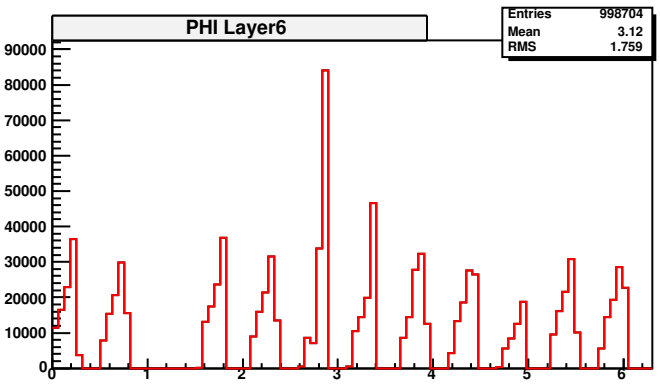


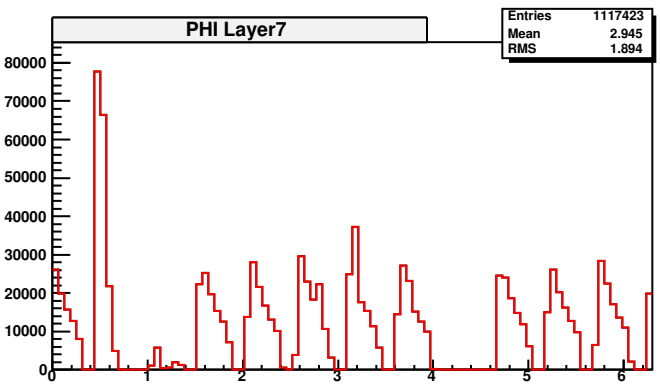


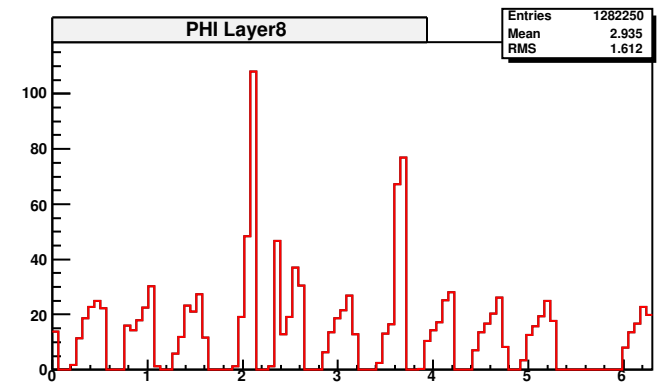




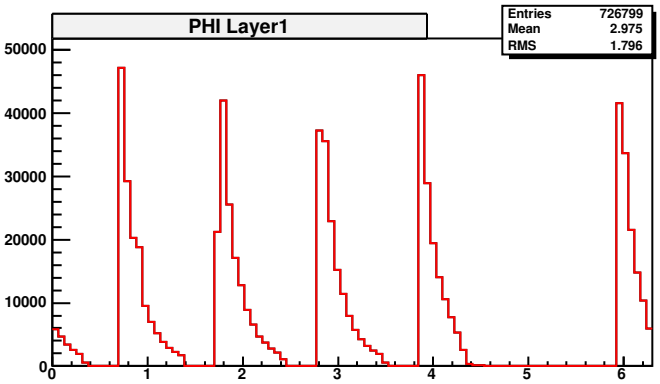


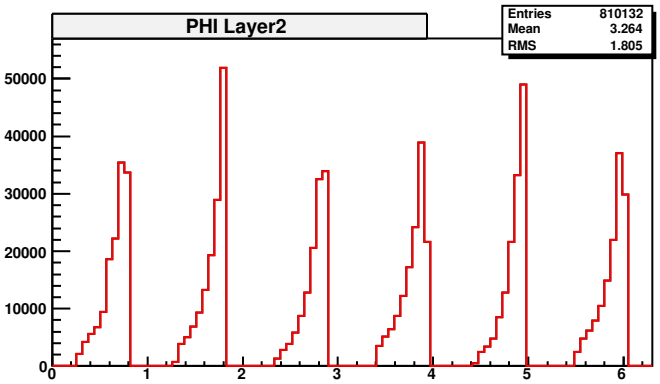


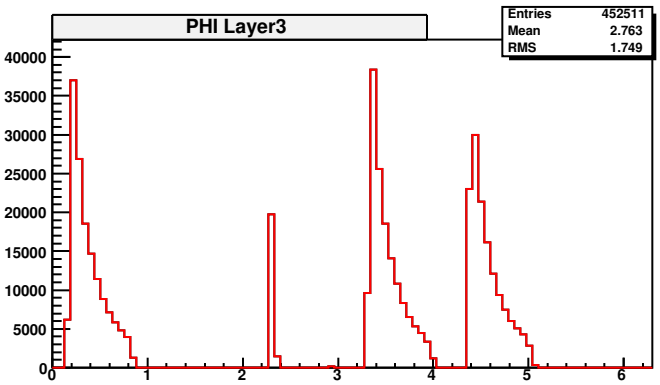


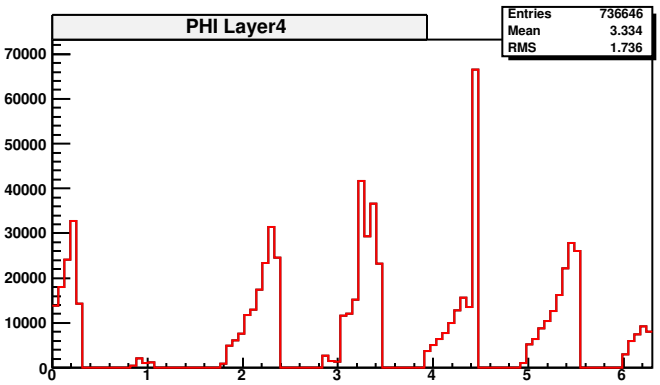


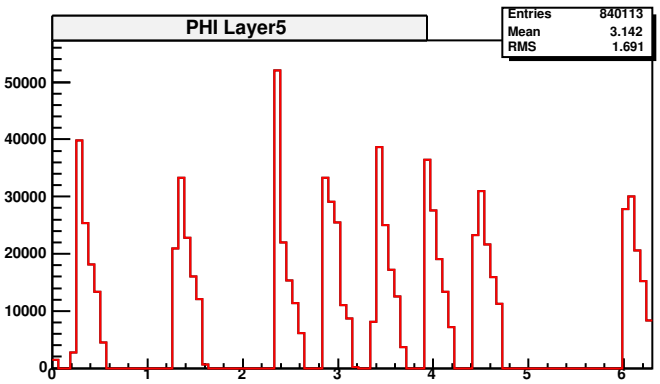
SmtClusters (ClustrBar2)

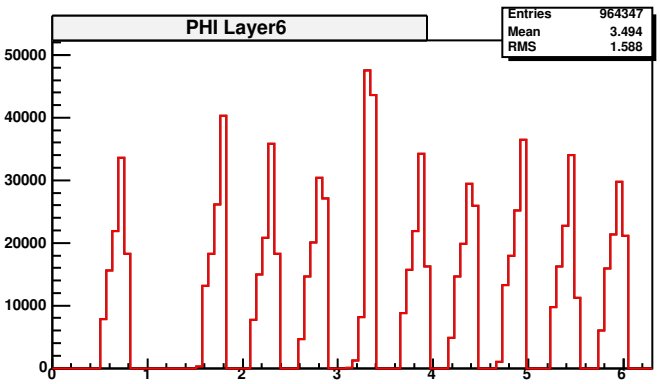


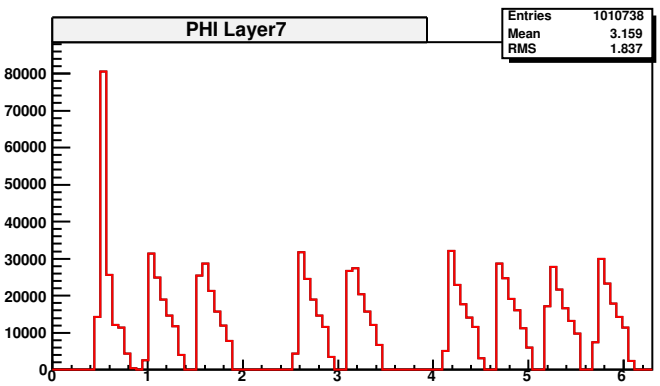


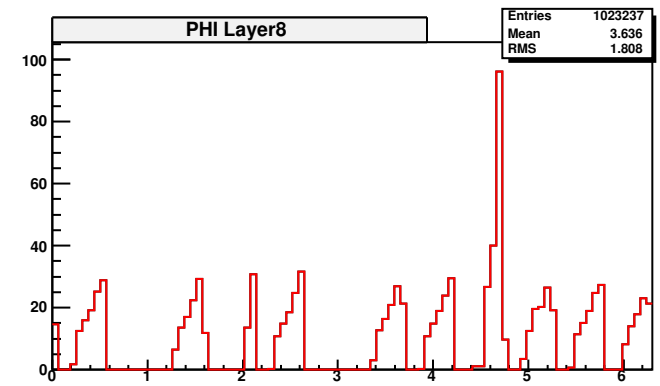




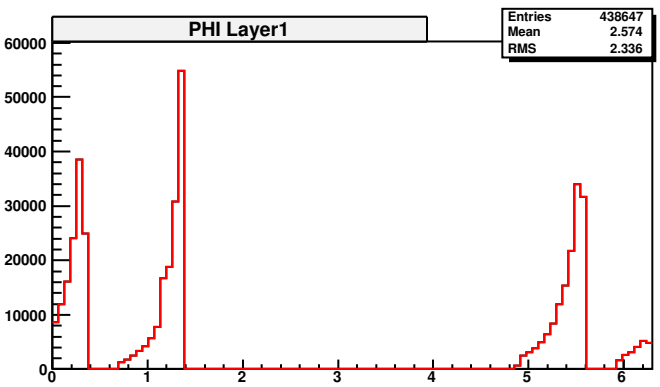


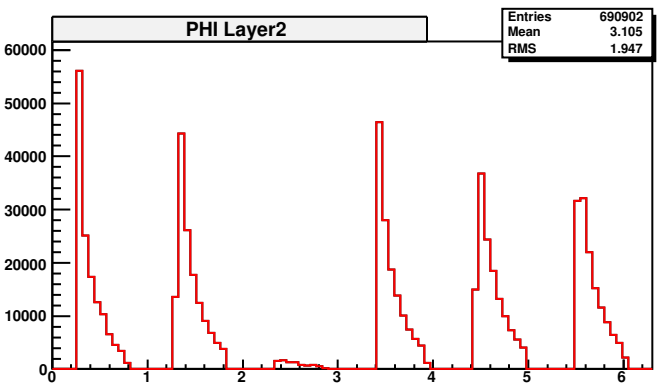


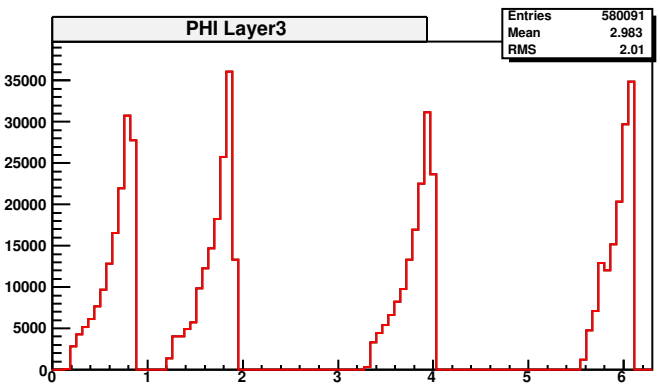


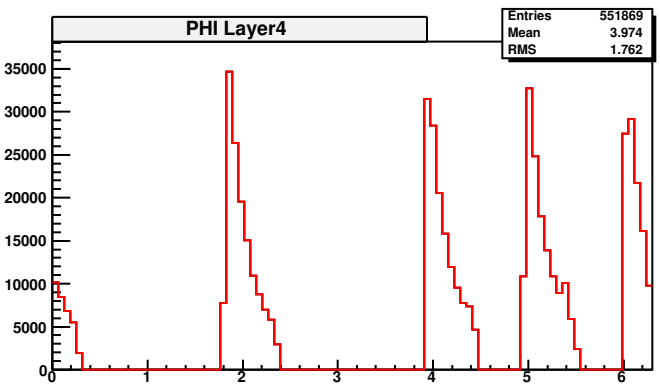


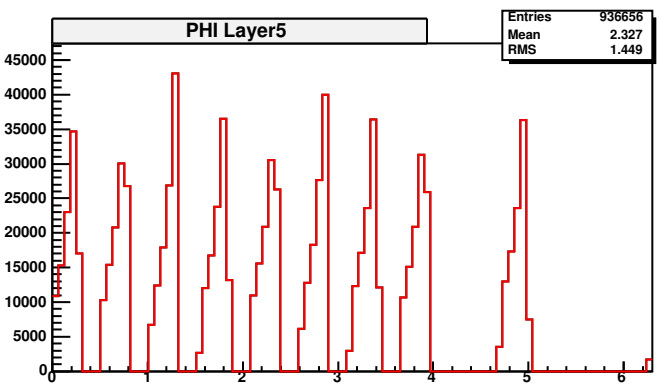
SmtClusters (ClustrBar3)

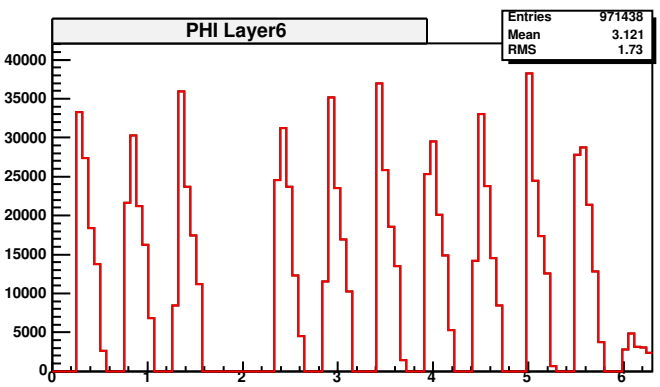


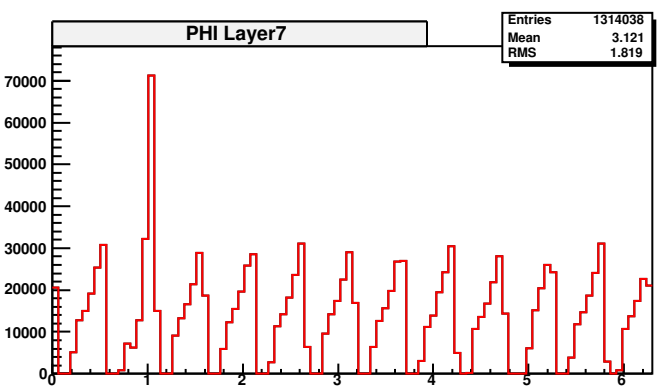


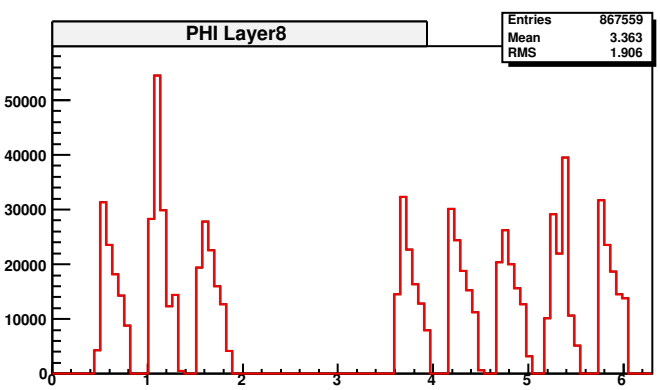




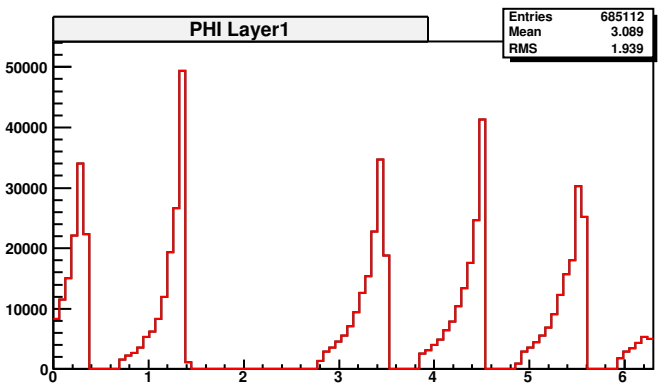


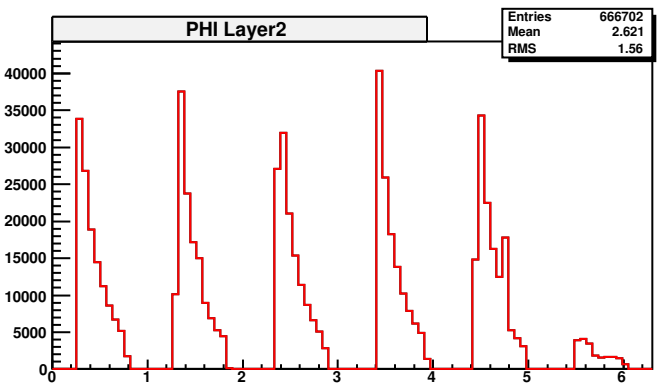


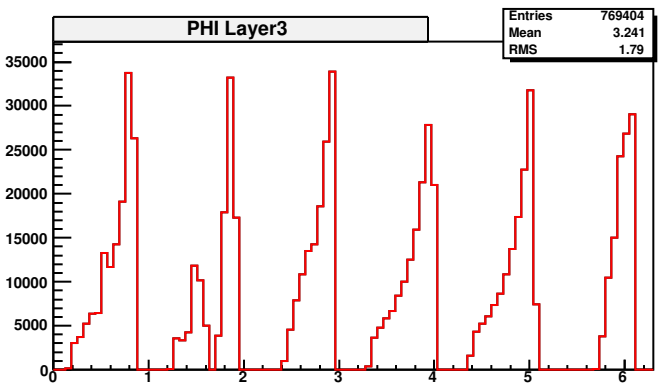


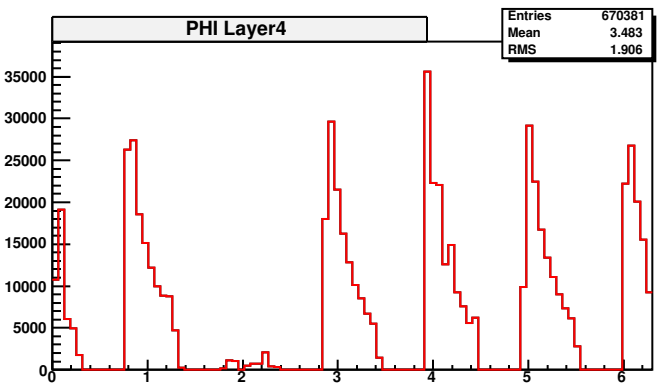


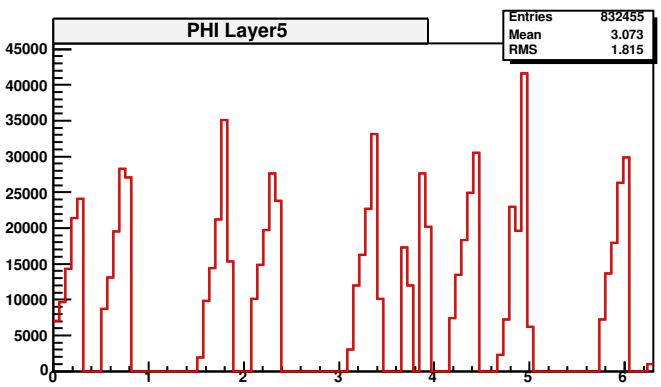
SmtClusters (ClustrBar4)

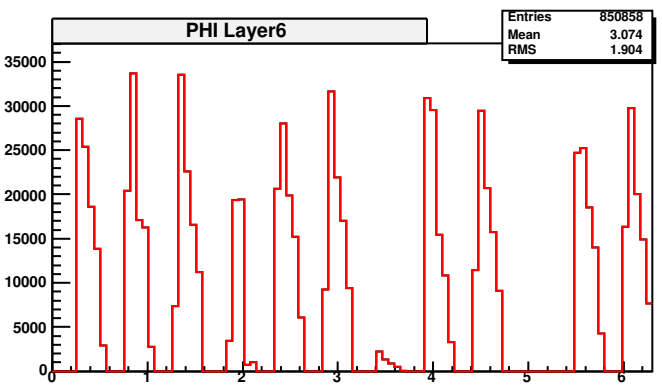


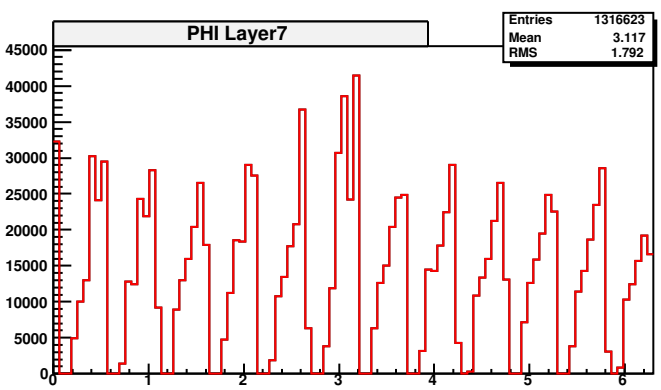


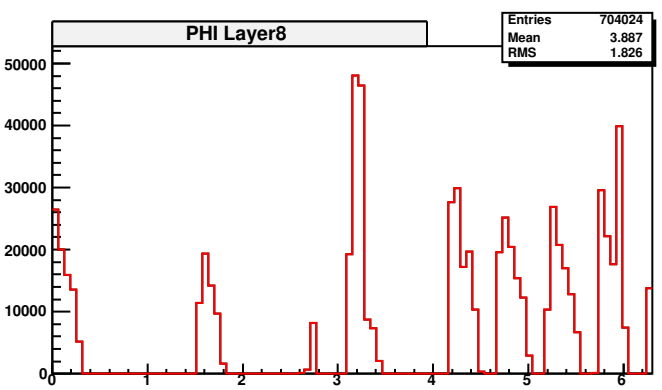




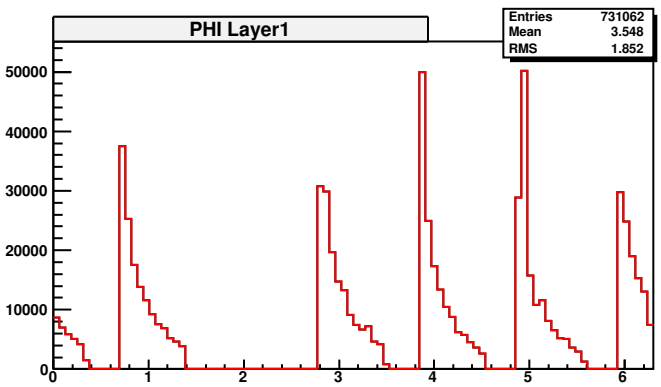


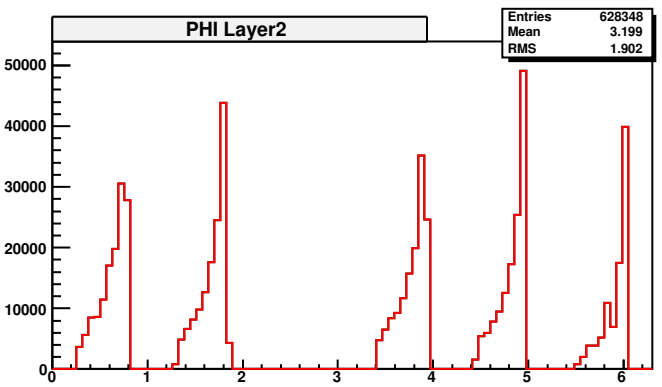


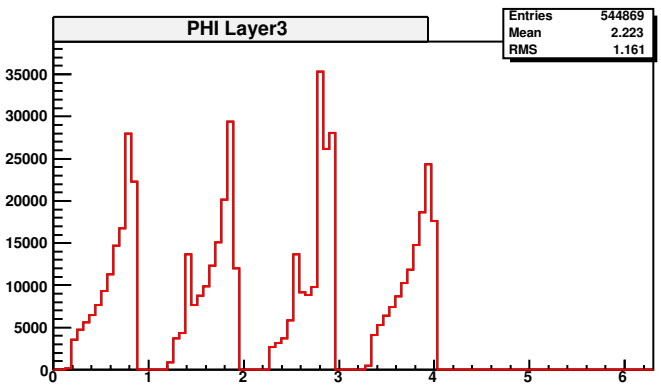


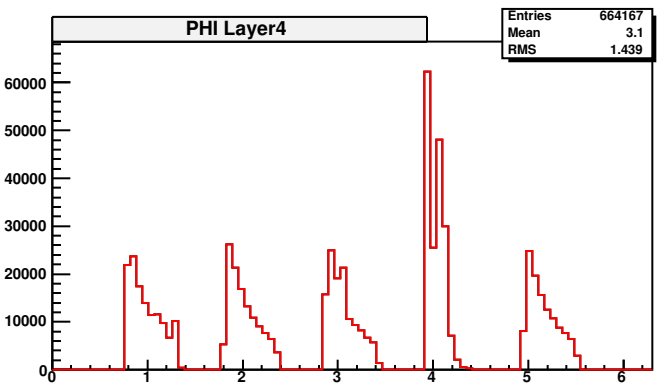


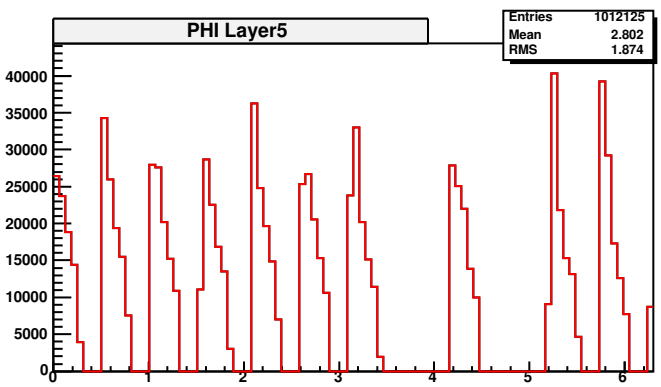
SmtClusters (ClustrBar5)

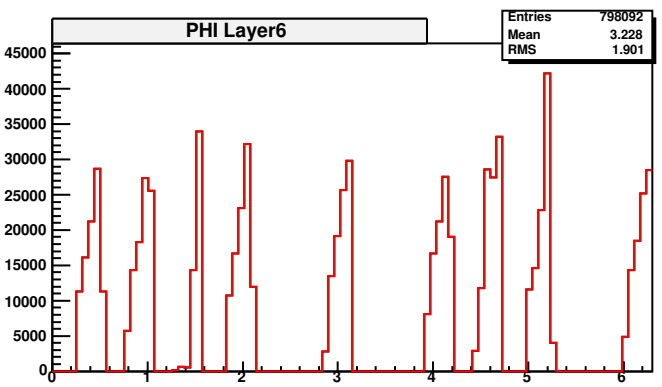


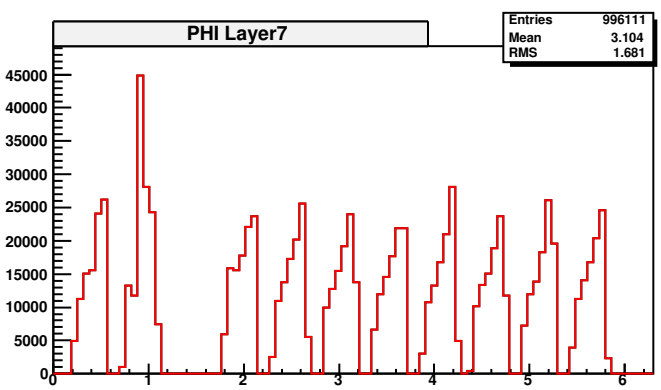


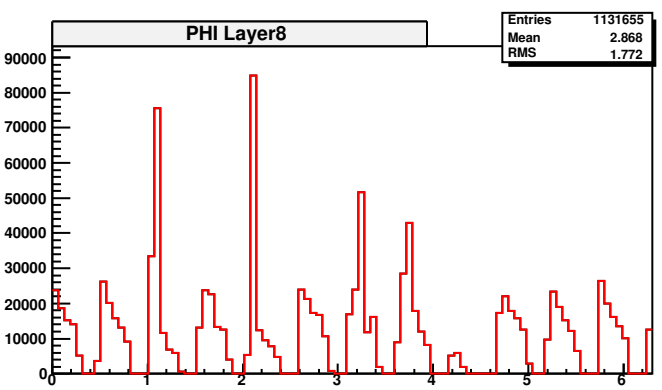




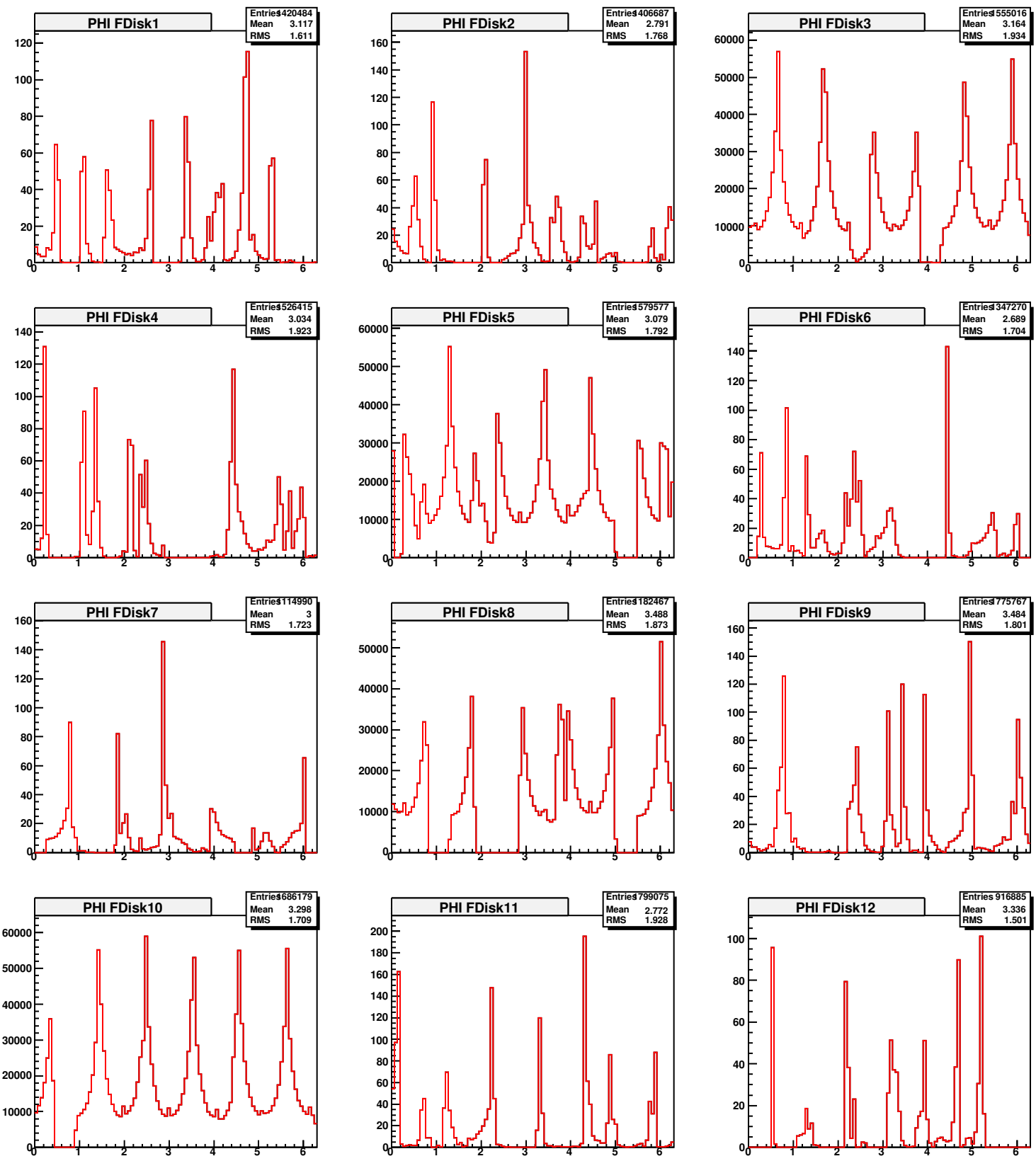




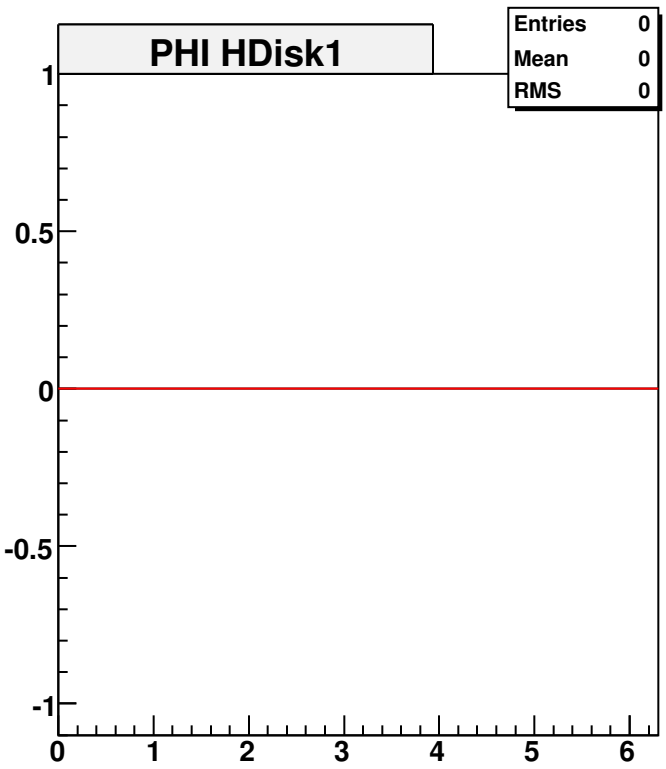


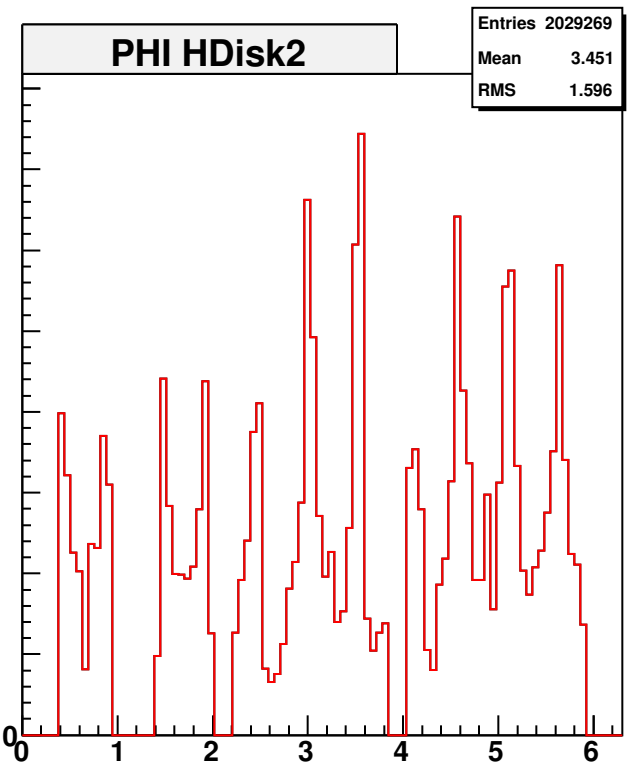


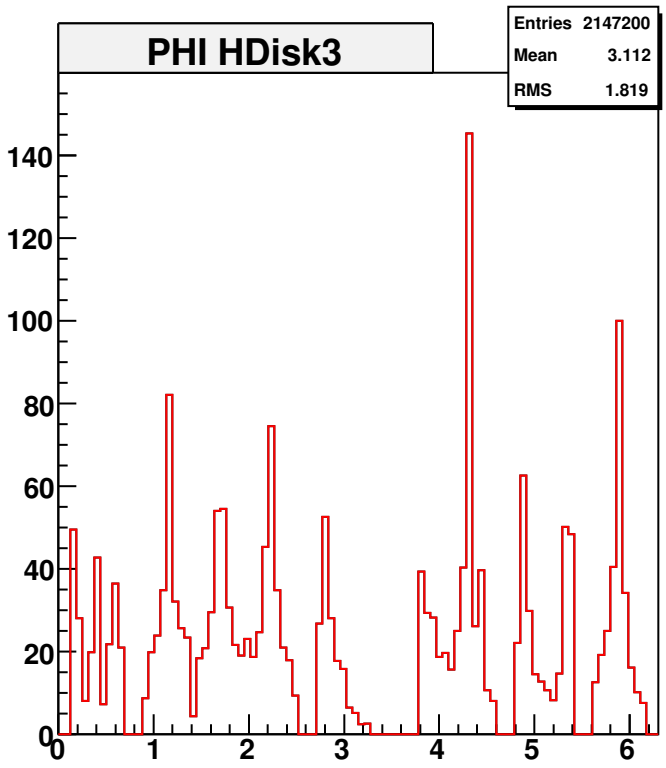
SmtClusters (ClustrBar6)

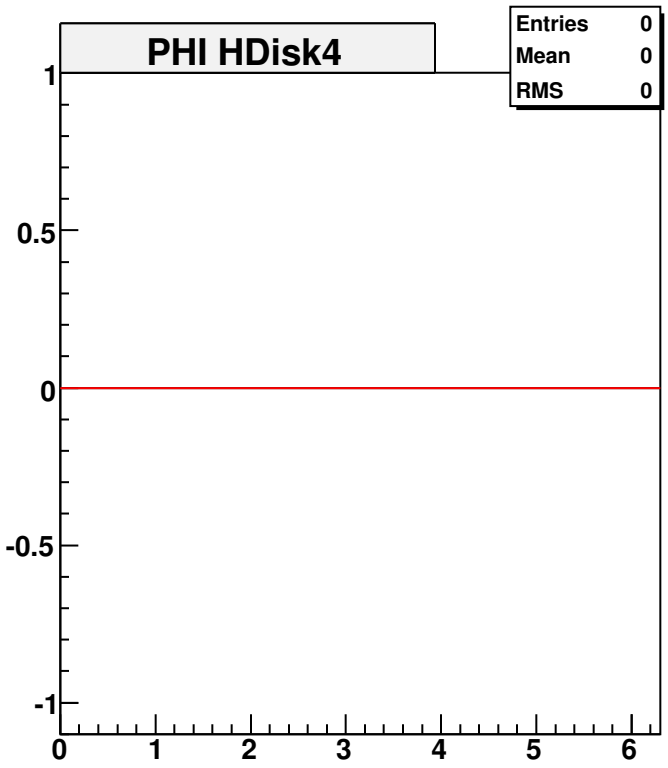


SmtClusters (FDiskClusters)

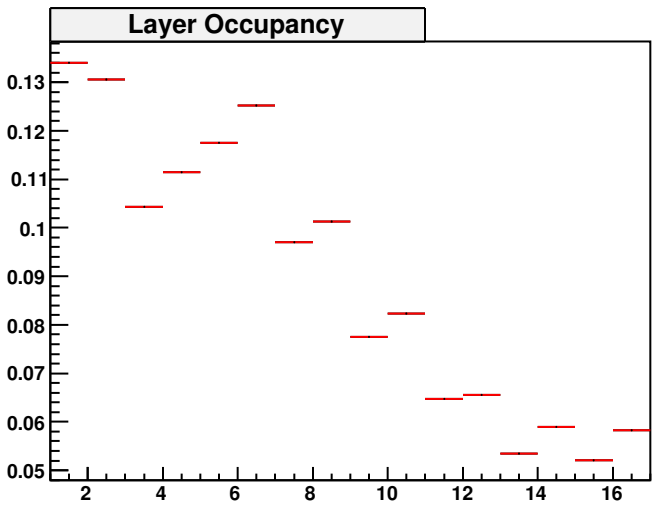


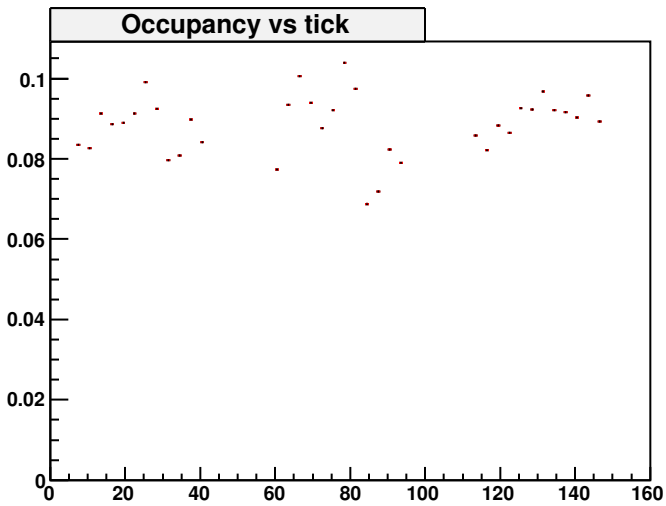


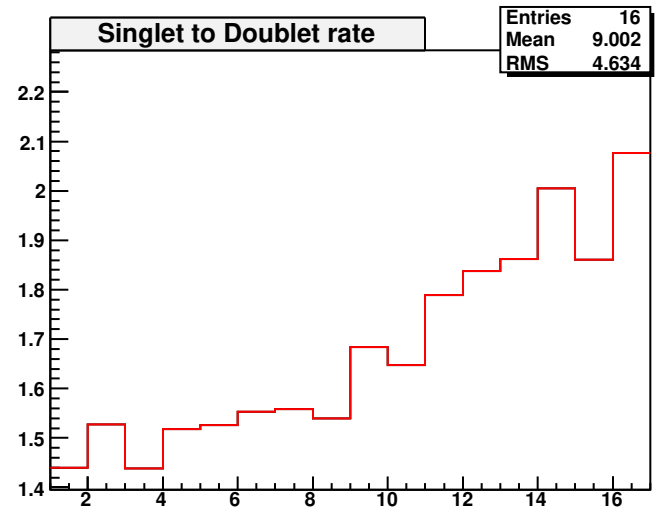


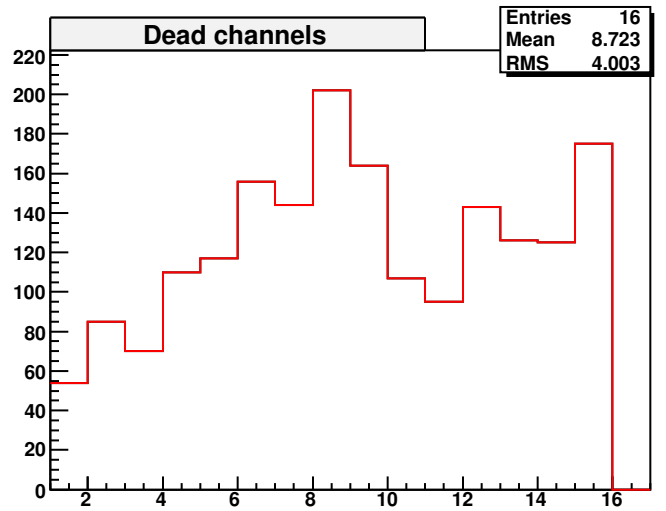


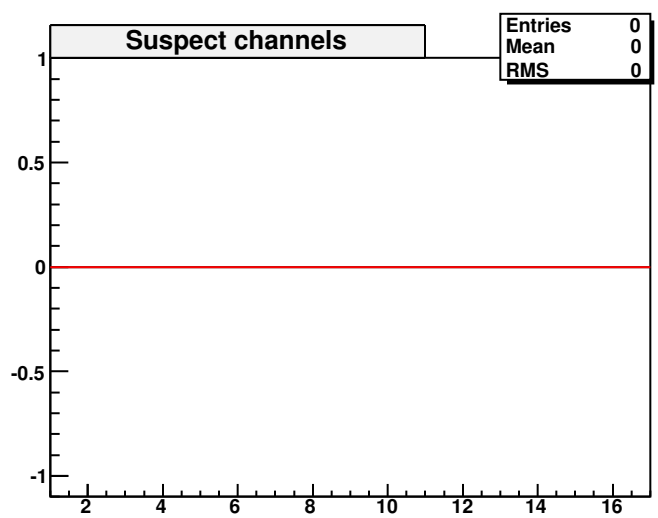
SmtClusters (HDiskClusters)

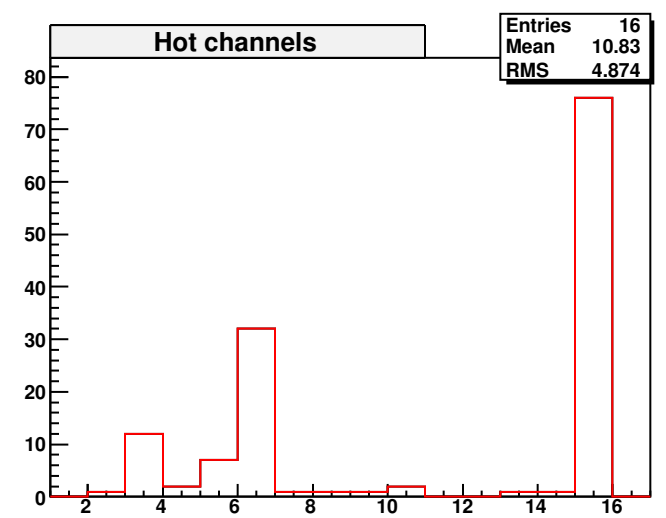




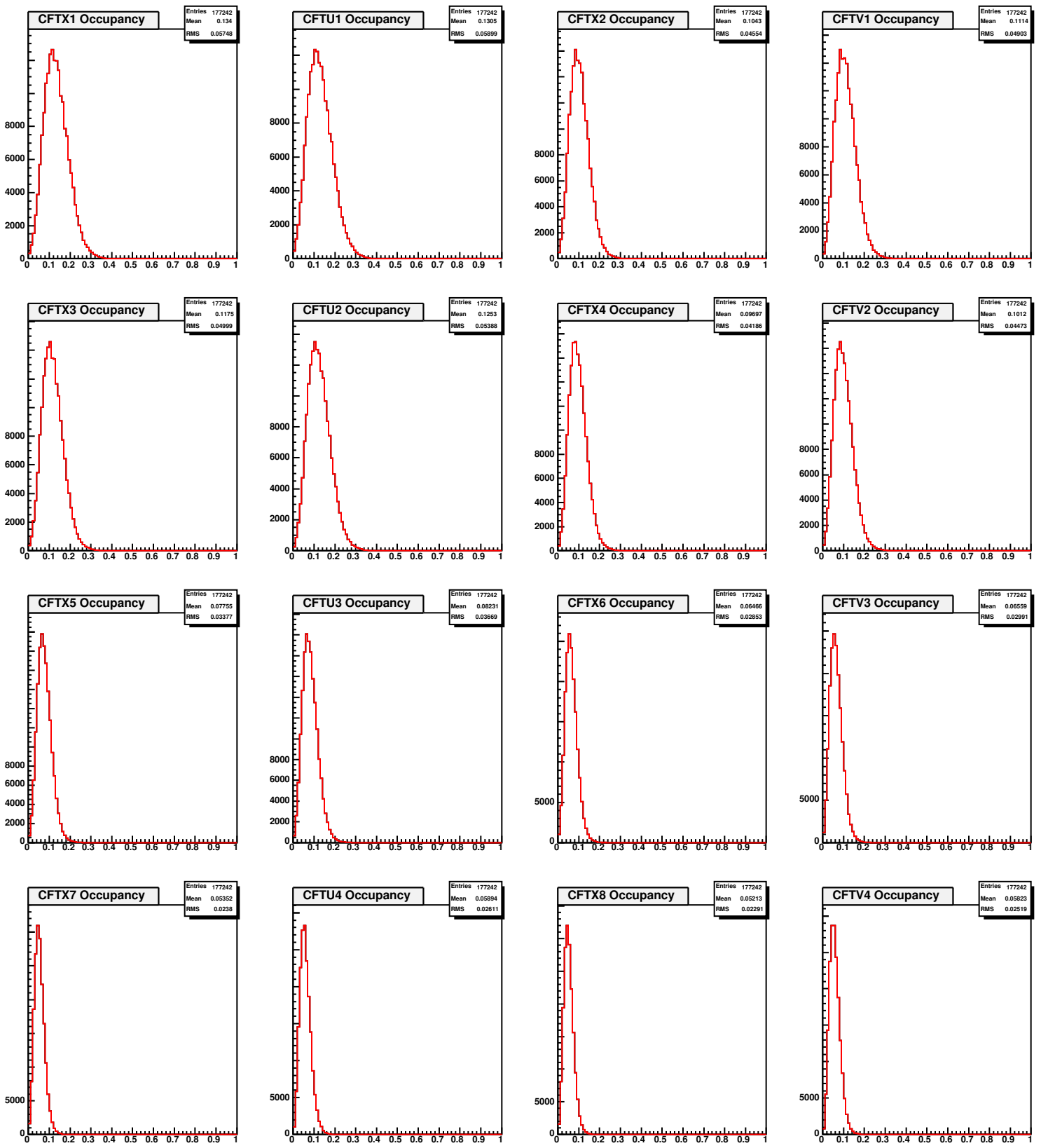




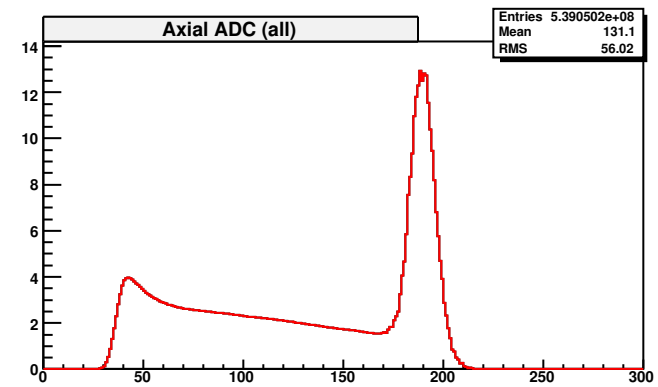


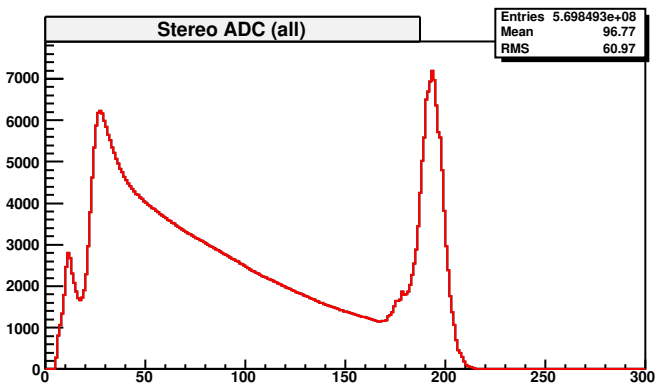


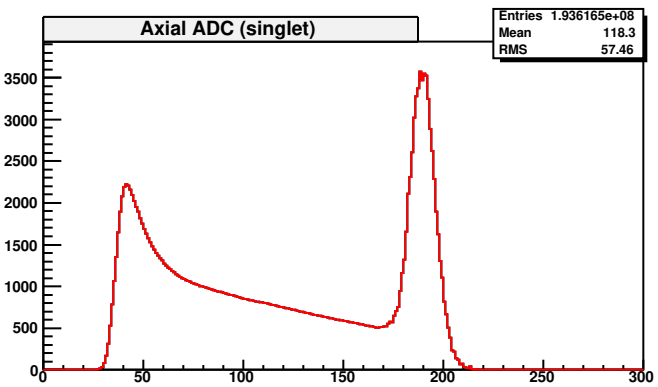
CFT Summary (All Clusters)

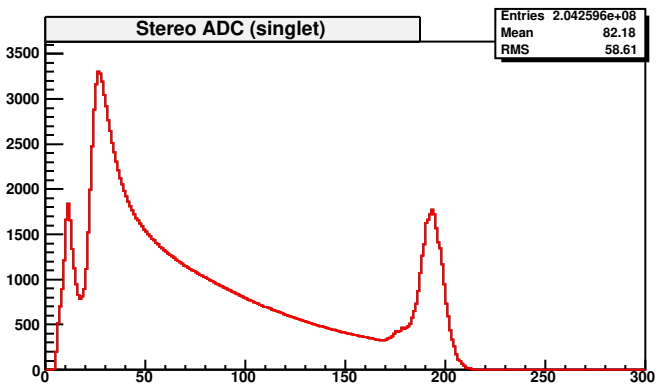


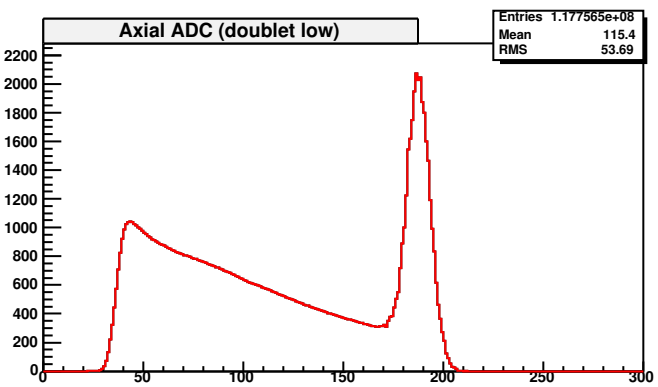
CFT Occupancy (All Clusters)

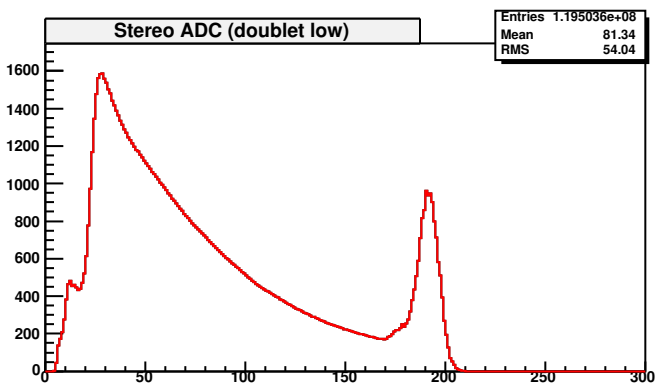


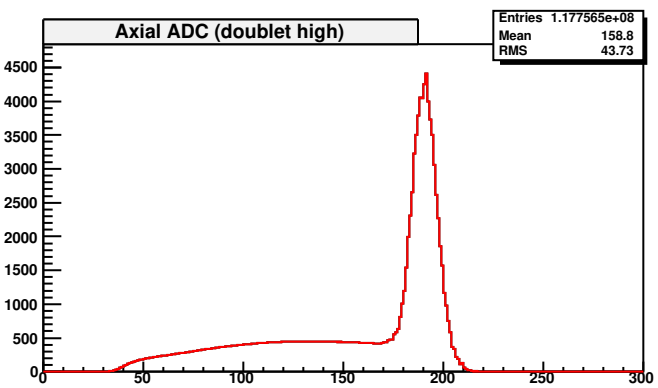


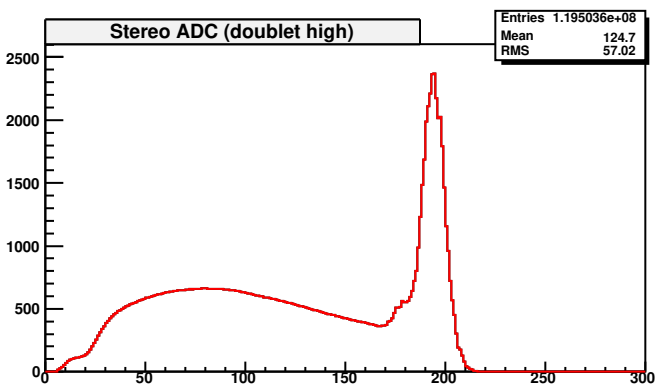




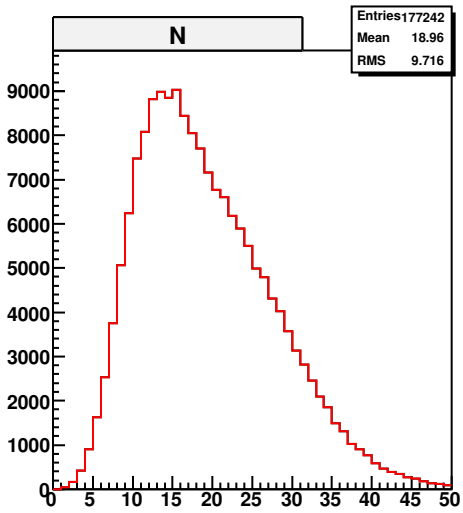


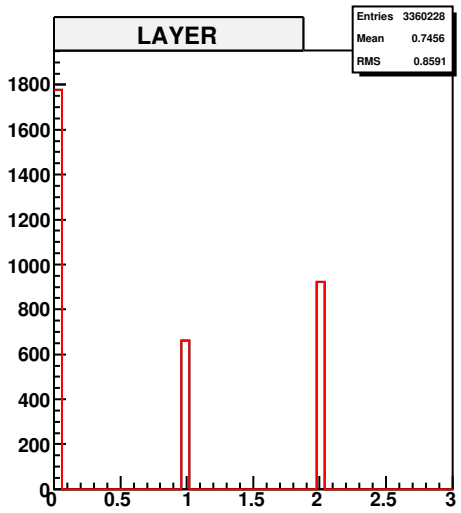


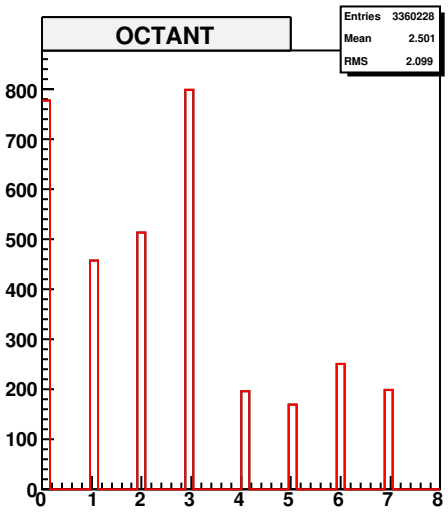


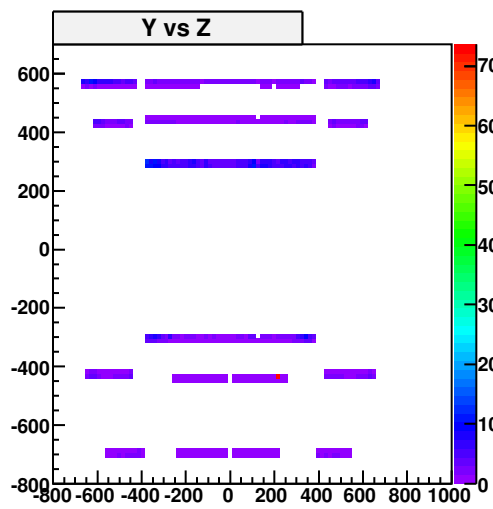


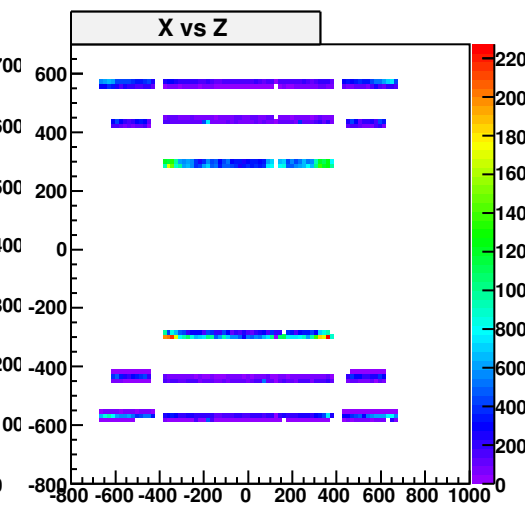
CFT ADC Summary (All Clusters)

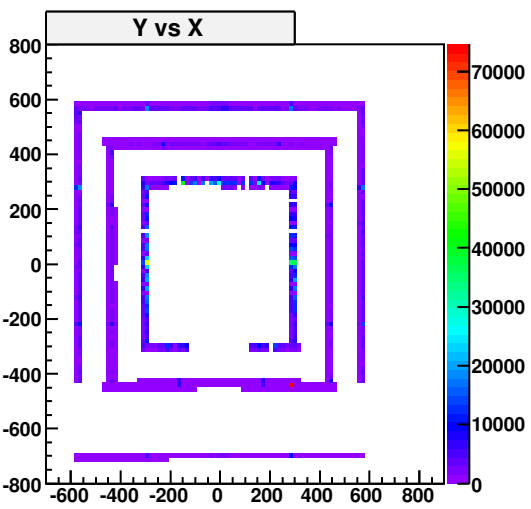

N
Entries 177242
Mean 18.96
RMS 9.716

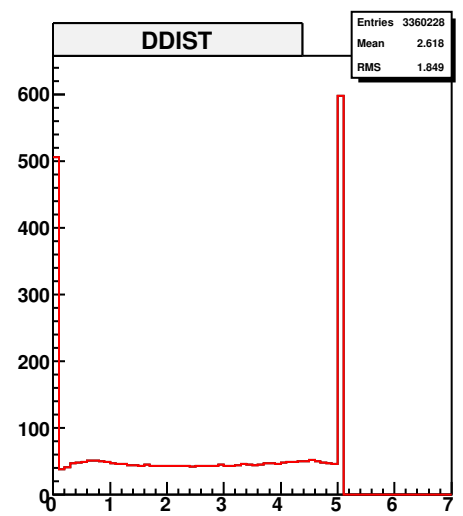

LAYER
Entries 3360228
Mean 0.7456
RMS 0.8591

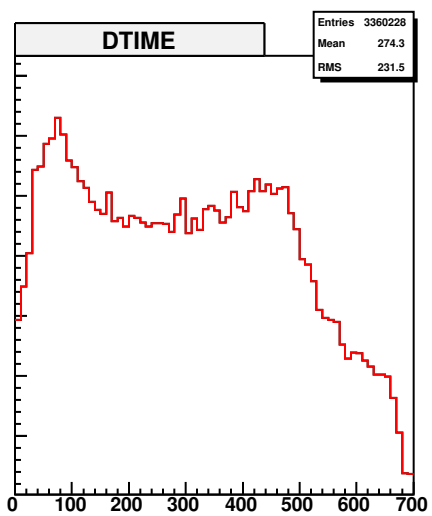

OCTANT
Entries 3360228
Mean 2.501
RMS 2.099


Y vs Z

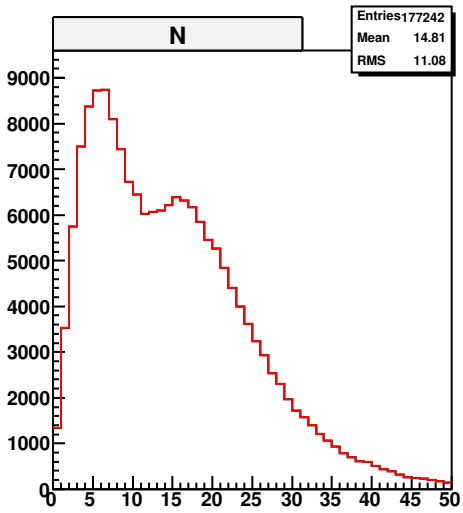

X vs Z

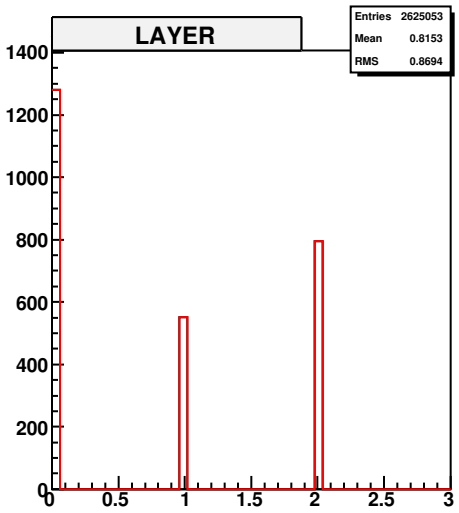

Y vs X

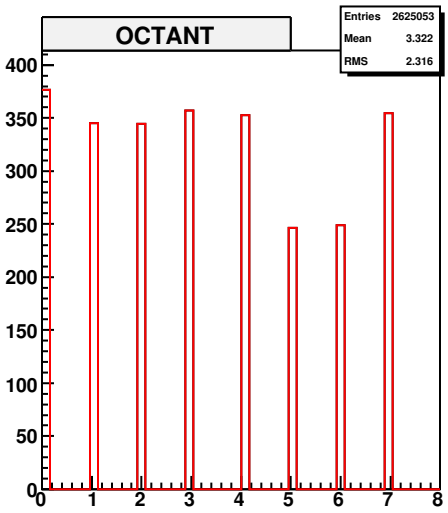

DDIST
Entries 3360228
Mean 2.618
RMS 1.849

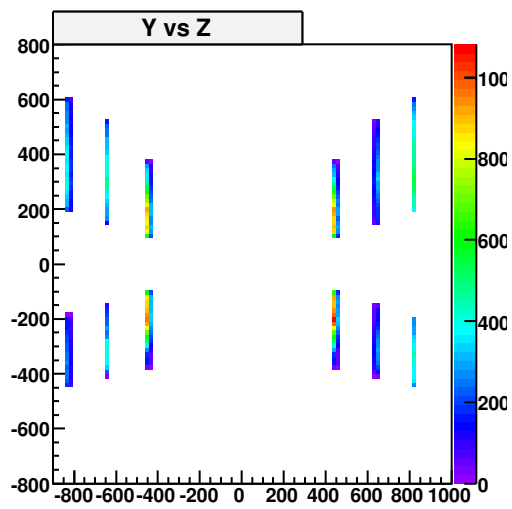

DTIME
Entries 3360228
Mean 274.3
RMS 231.5

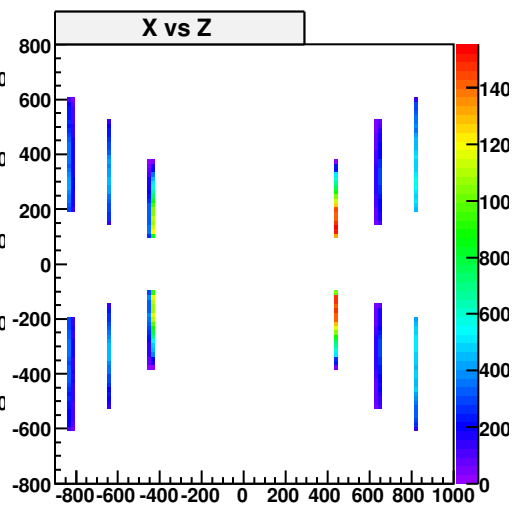
MuonPDT (All)

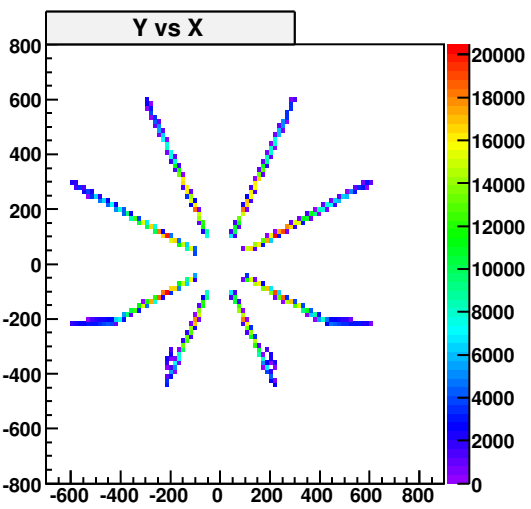

N
Entries 177242
Mean 14.81
RMS 11.08

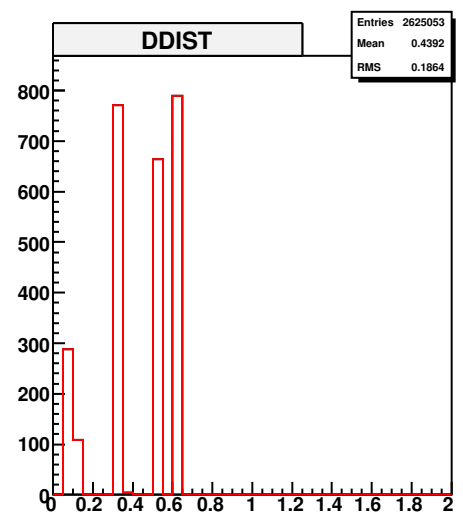

LAYER
Entries 2625053
Mean 0.8153
RMS 0.8694

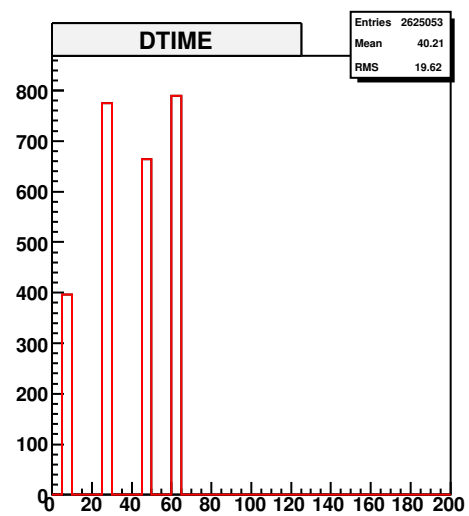

OCTANT
Entries 2625053
Mean 3.322
RMS 2.316


Y vs Z

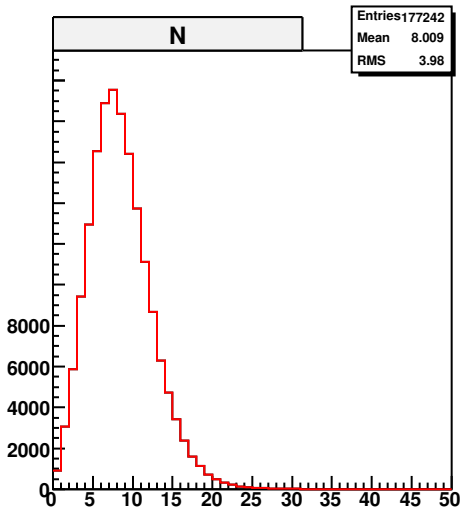

X vs Z

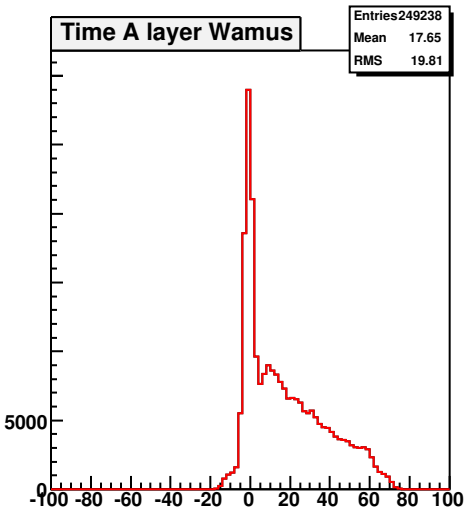

Y vs X

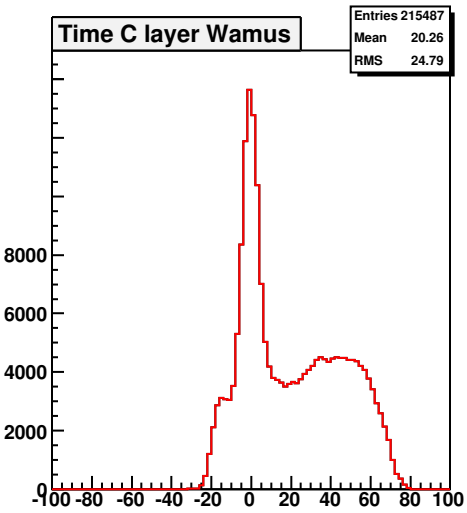

DDIST
Entries 2625053
Mean 0.4392
RMS 0.1864

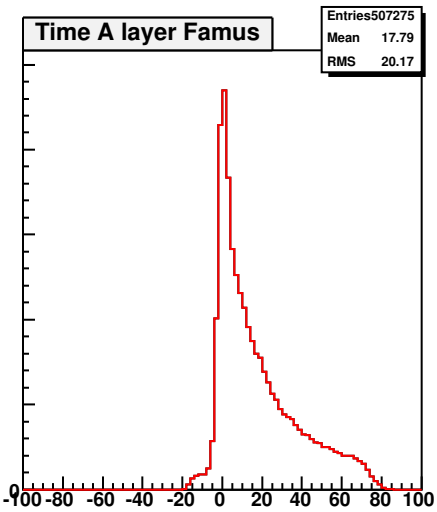

DTIME
Entries 2625053
Mean 40.21
RMS 19.62

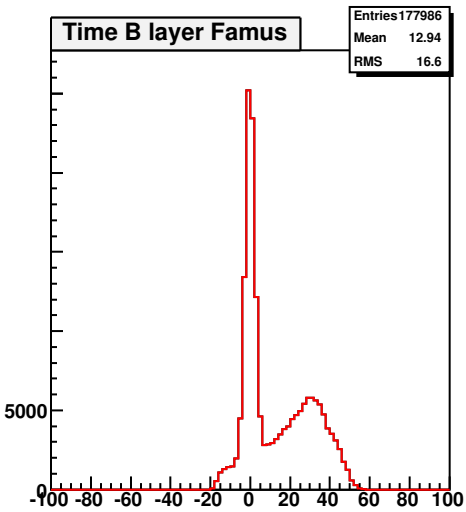
MuonMDT (All)

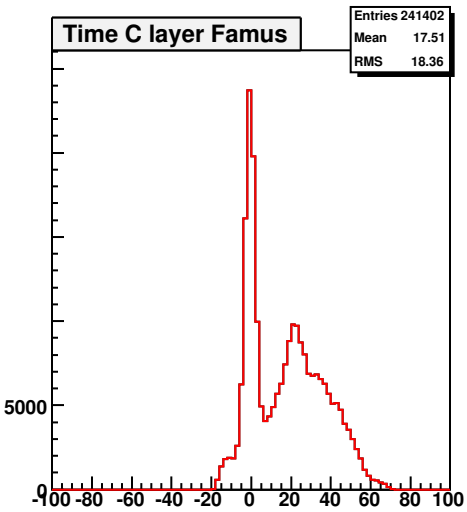

N
Entries 177242
Mean 8.009
RMS 3.98

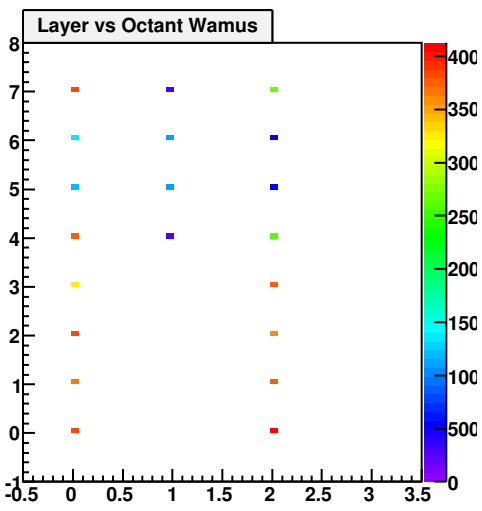

Time A layer Wamus
Entries 249238
Mean 17.65
RMS 19.81

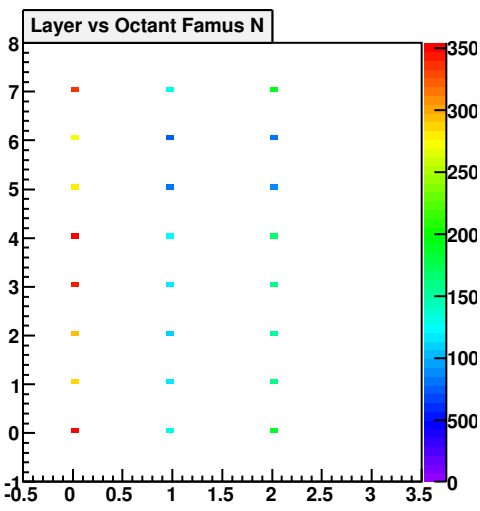

Time C layer Wamus
Entries 215487
Mean 20.26
RMS 24.79

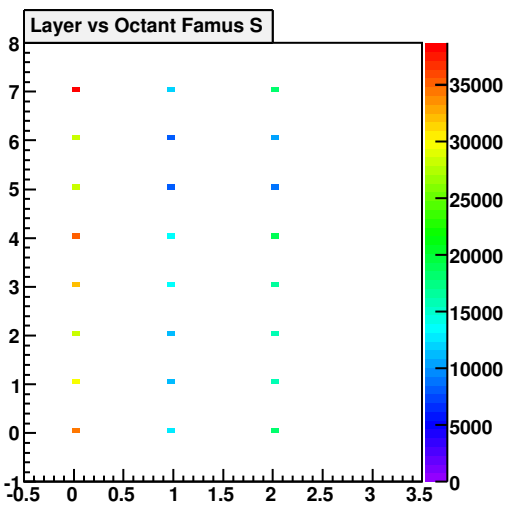

Time A layer Famus
Entries 507275
Mean 17.79
RMS 20.17


Time B layer Famus
Entries 177986
Mean 12.94
RMS 16.6

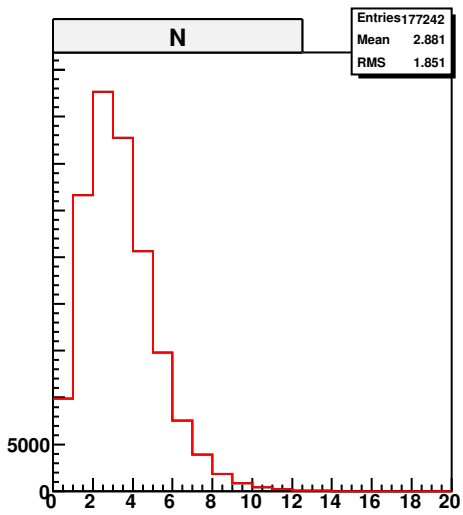

Time C layer Famus
Entries 241402
Mean 17.51
RMS 18.36

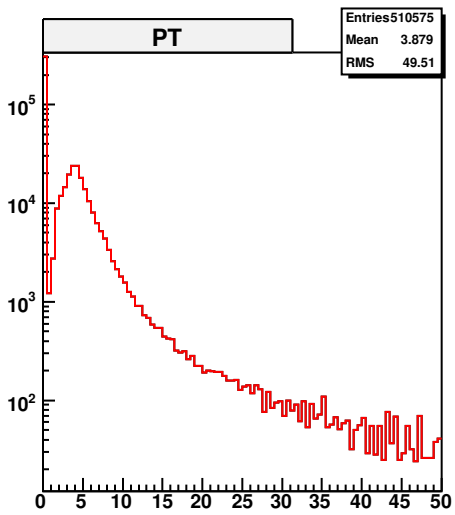

Layer vs Octant Wamus

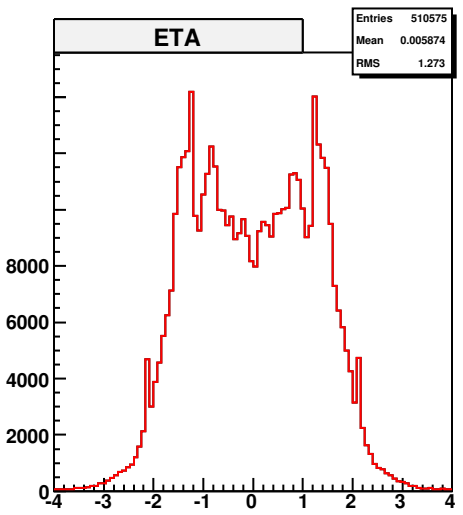

Layer vs Octant Famus N

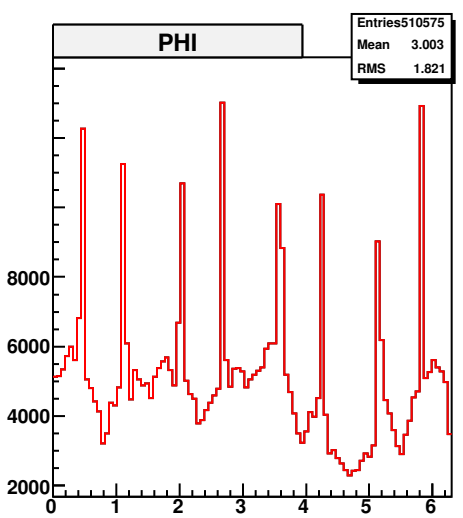

Layer vs Octant Famus S

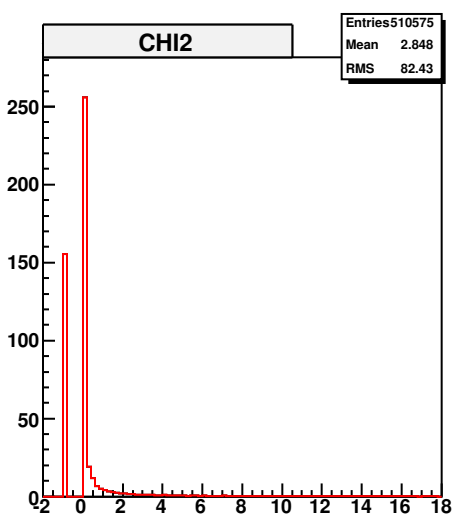
MuonMSC (All)

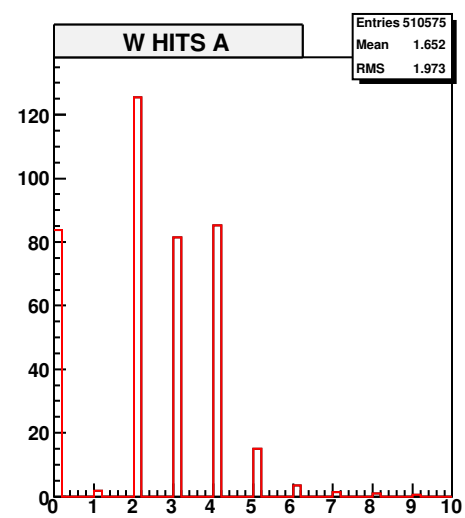


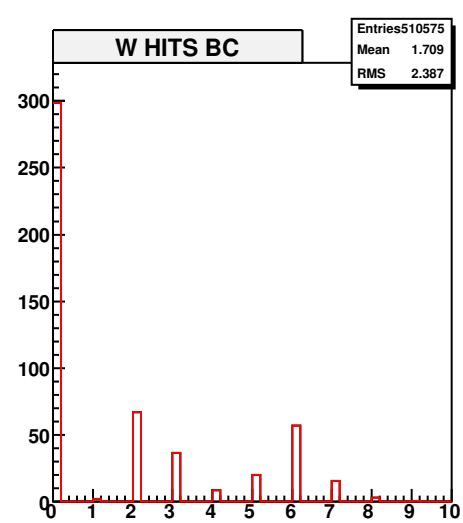


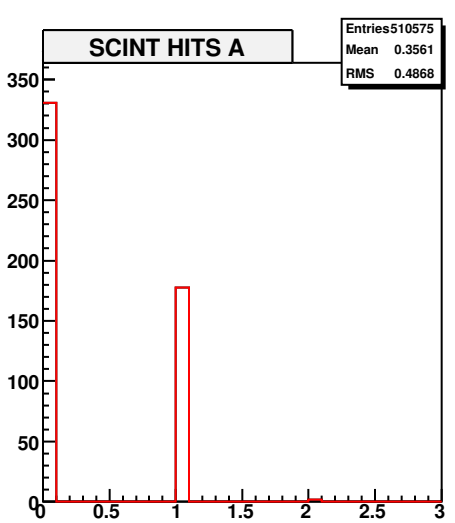


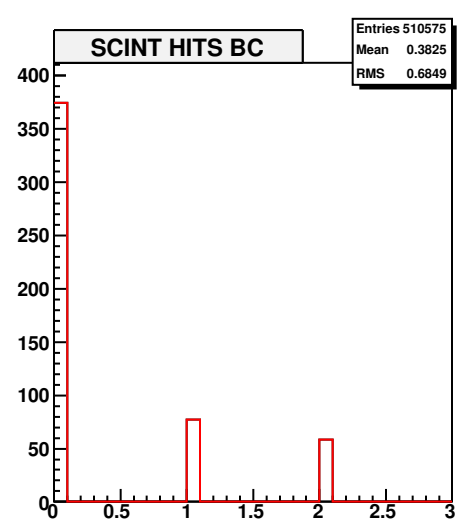




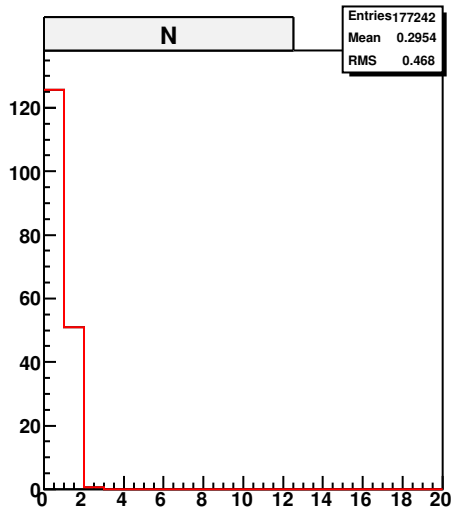


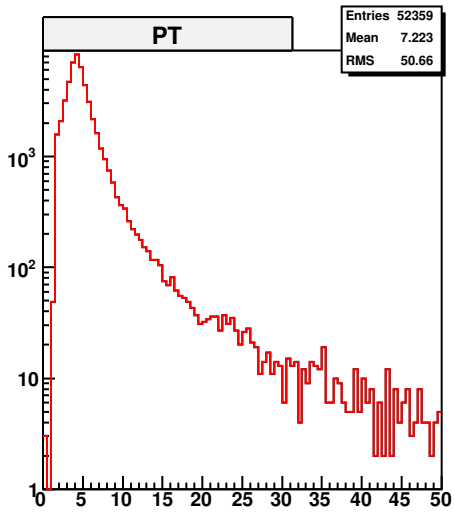


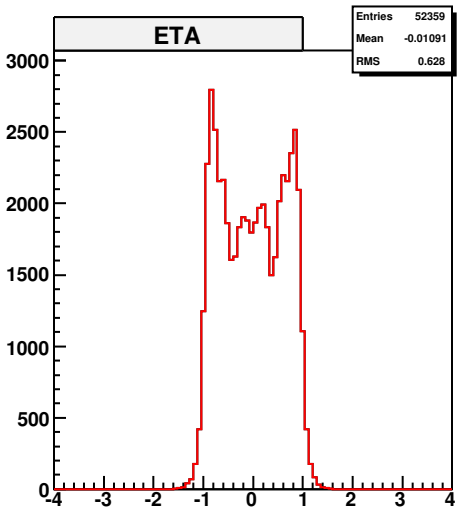


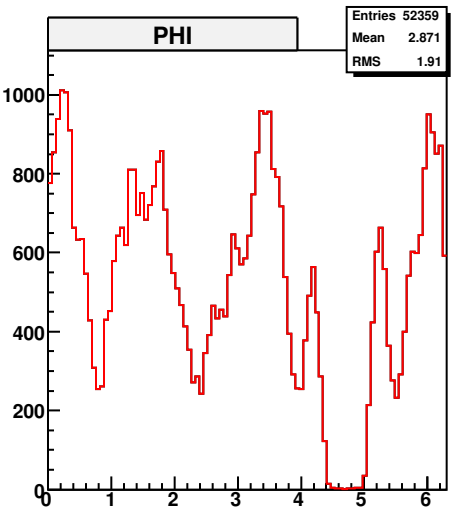


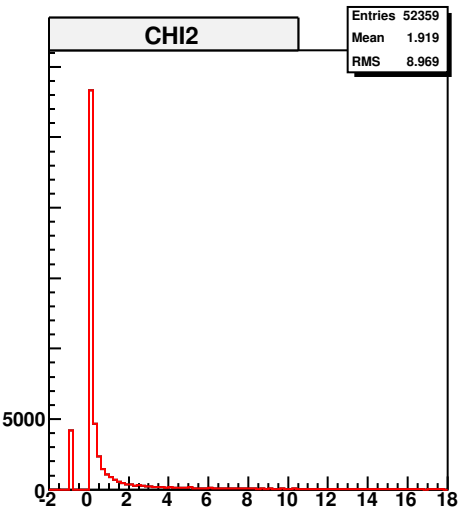
Muon Local Tracks (All)

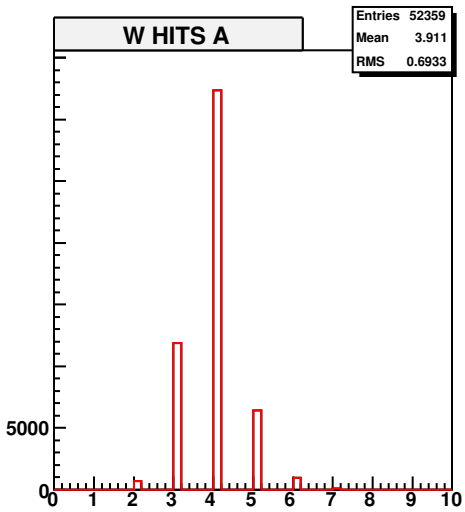


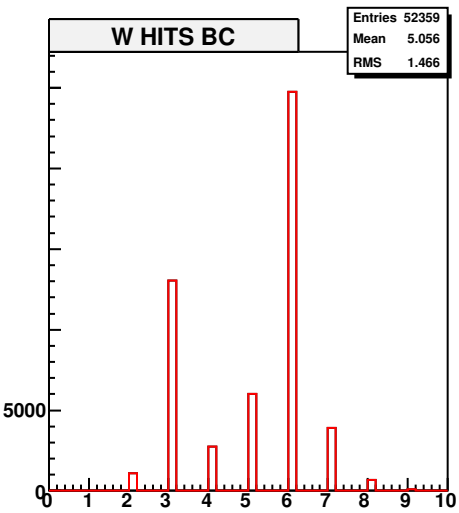


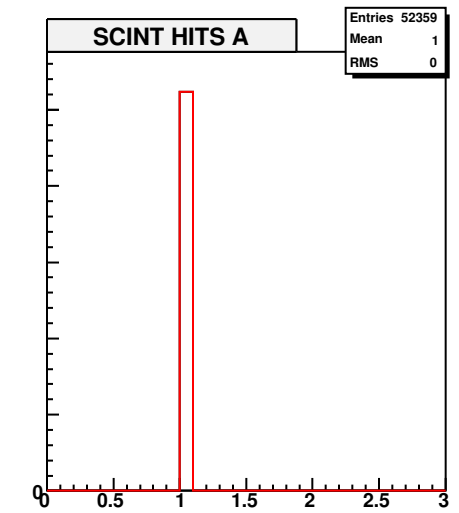


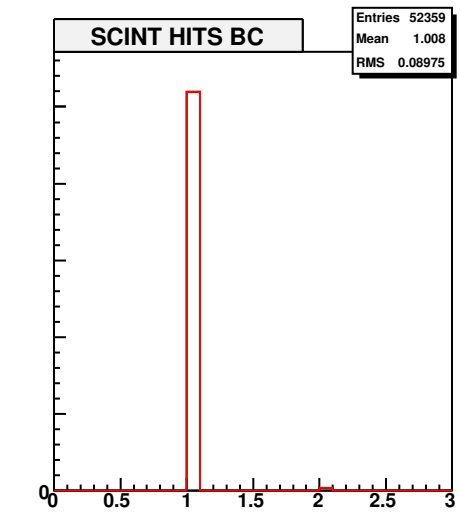




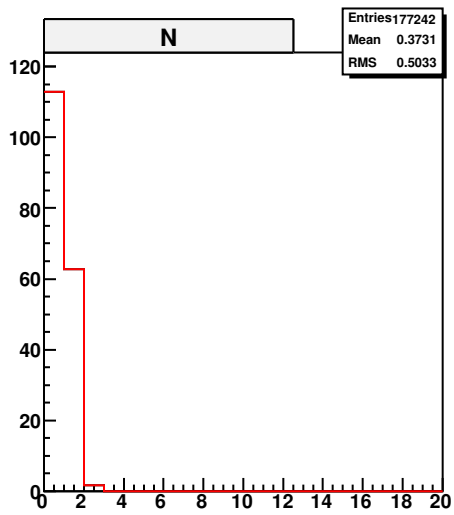


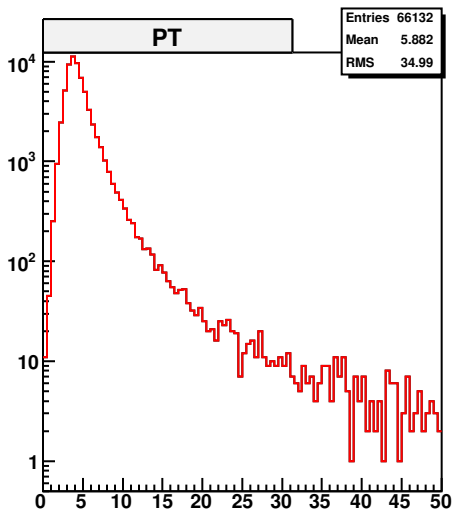


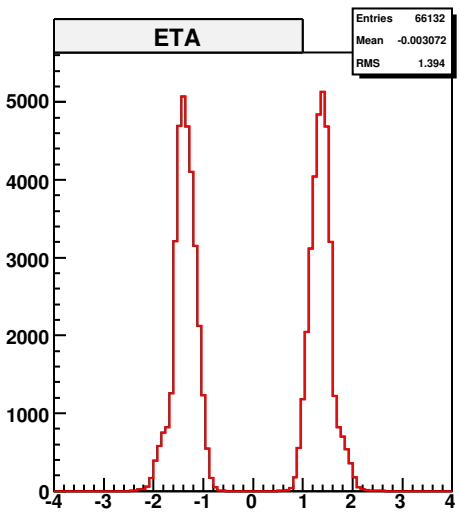


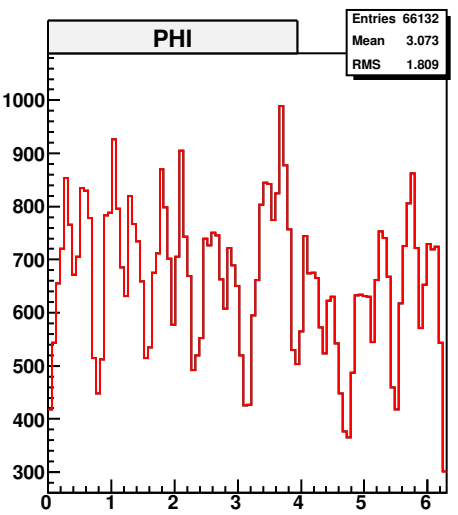


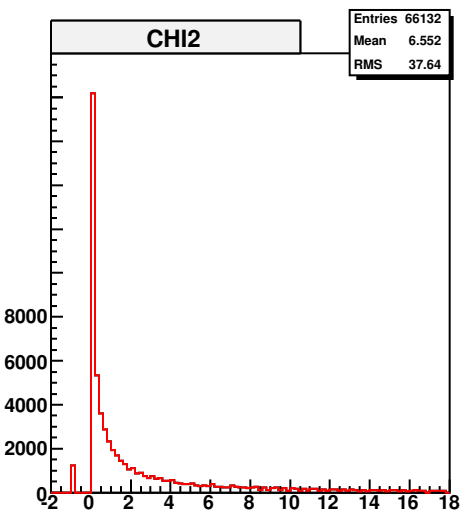
Muon Local Tracks (MediumWamus)

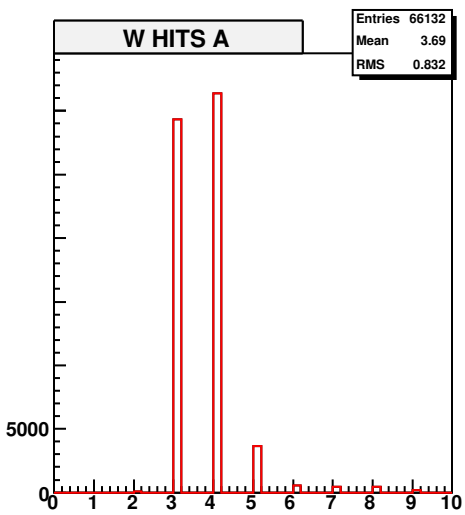


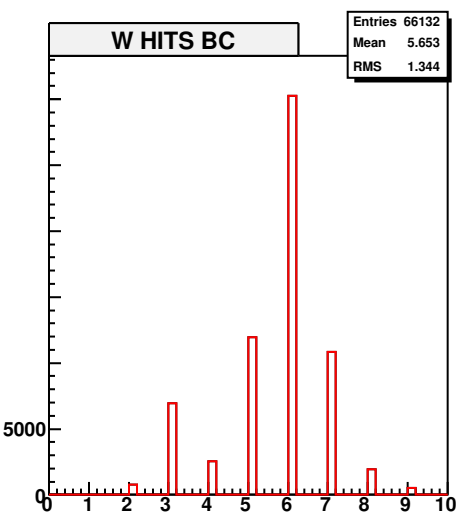


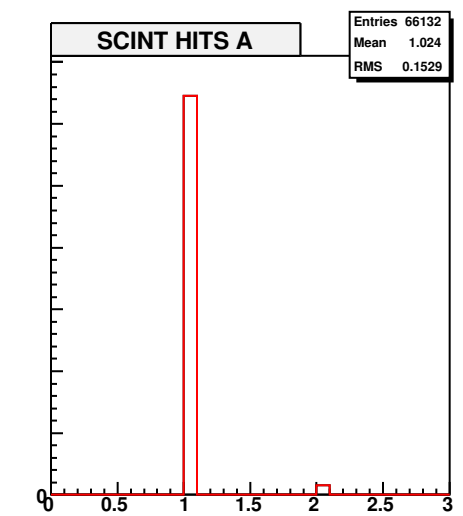


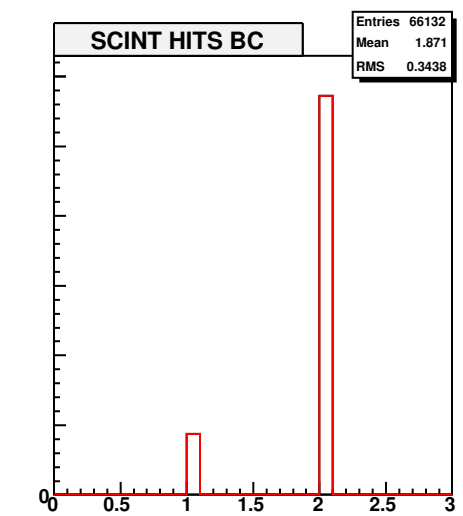




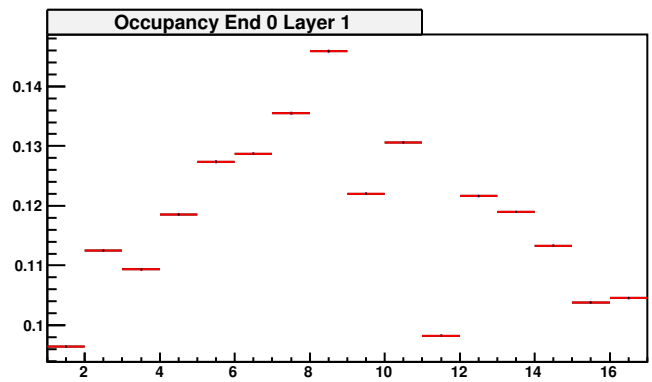


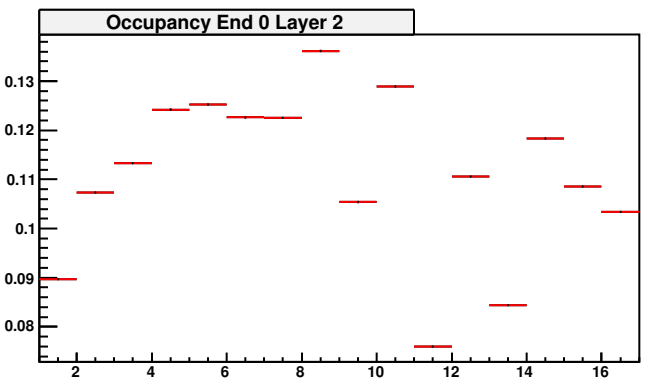


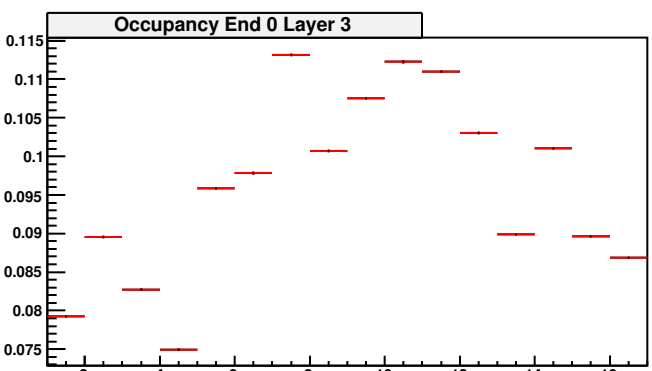


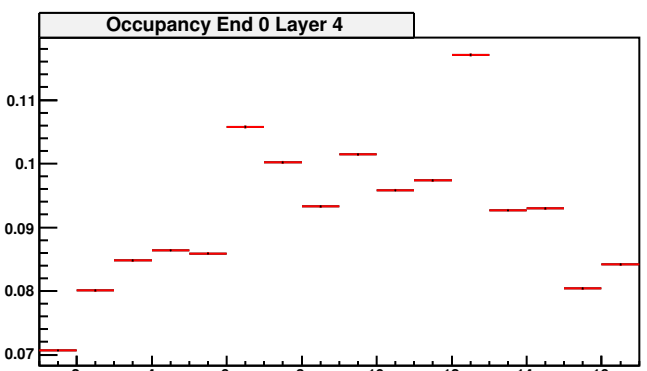


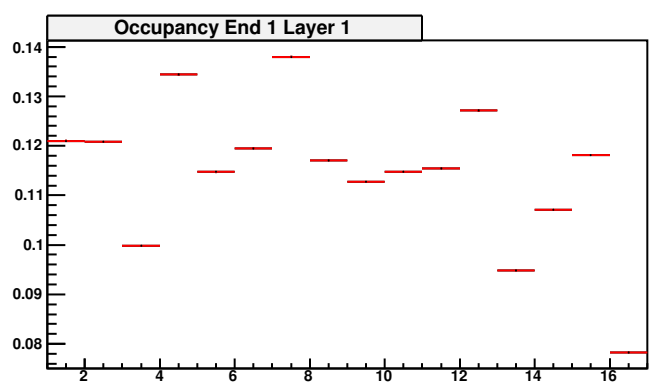
Muon Local Tracks (MediumFamus)

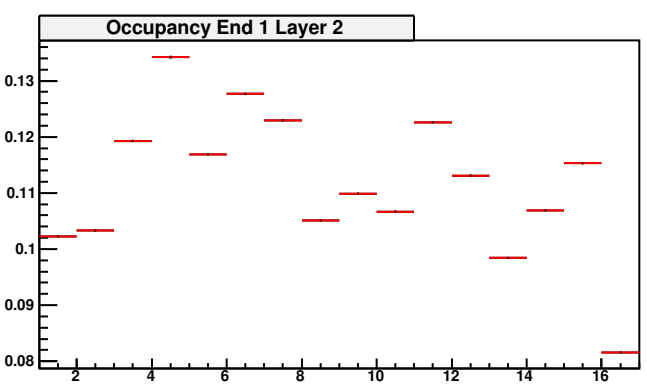


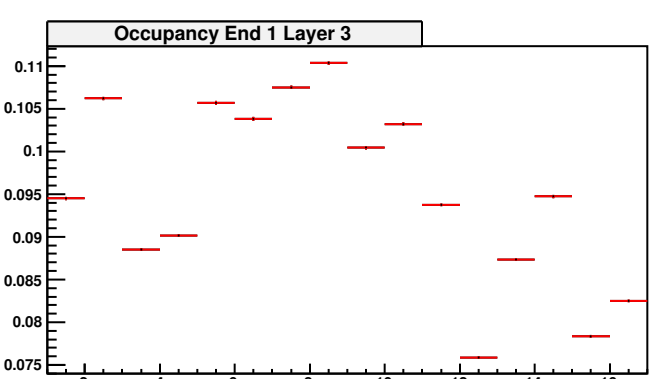


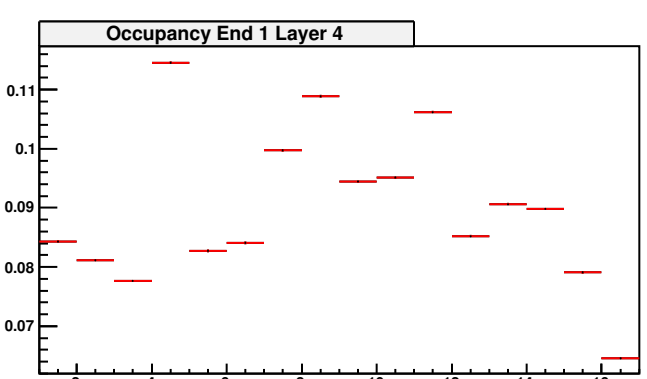




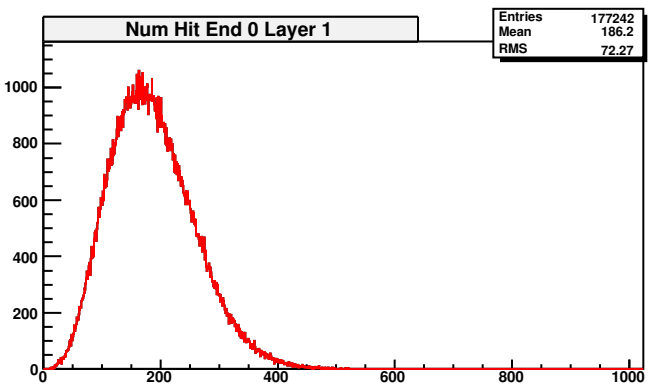


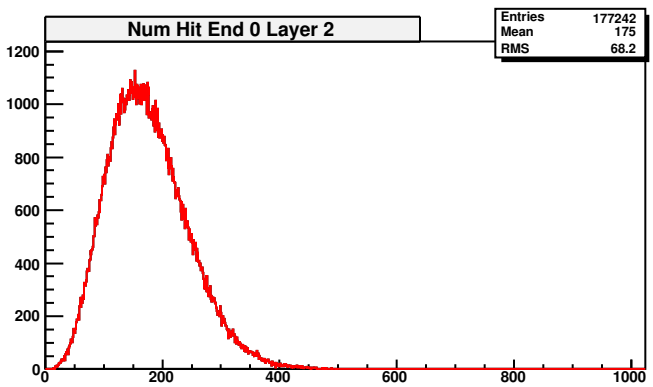


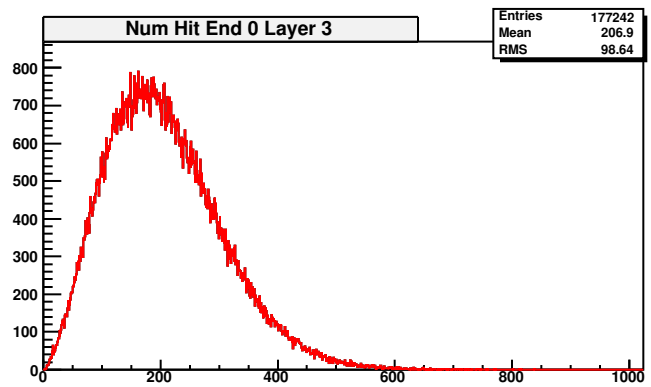


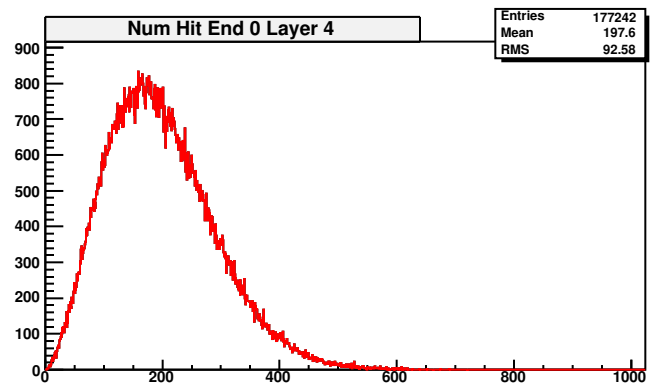


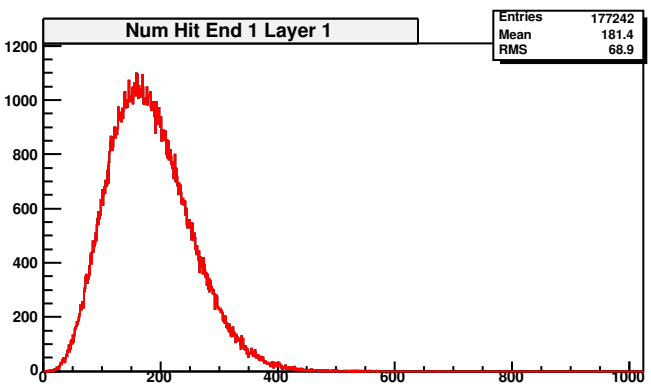
FPS Hit Occupancy (All)

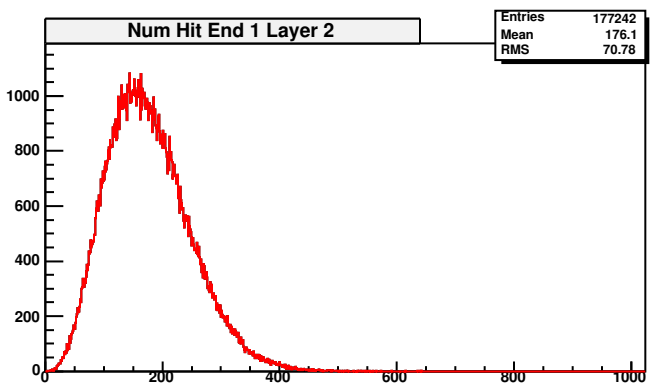


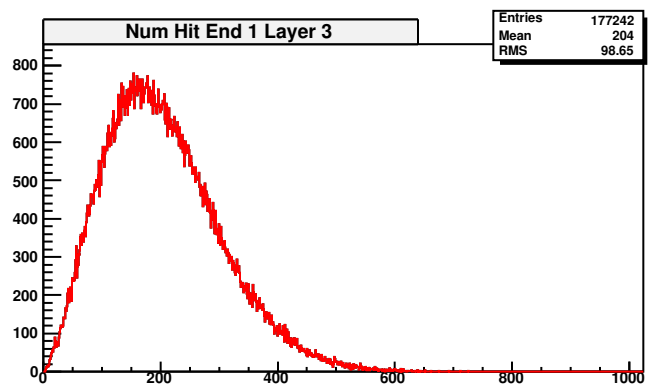


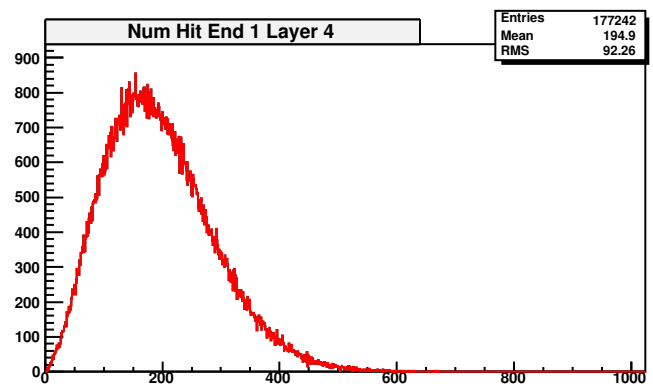




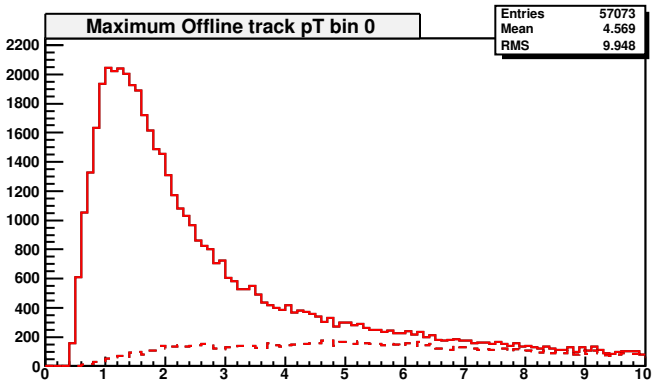


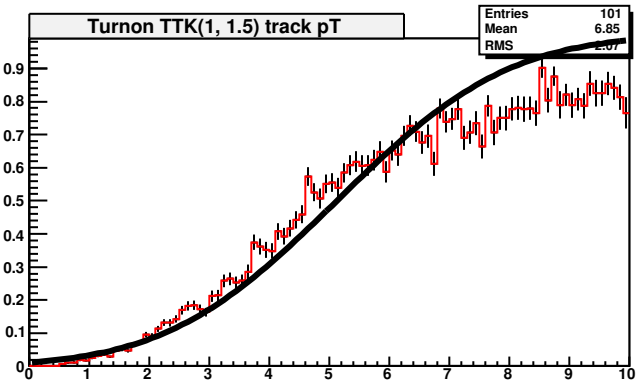


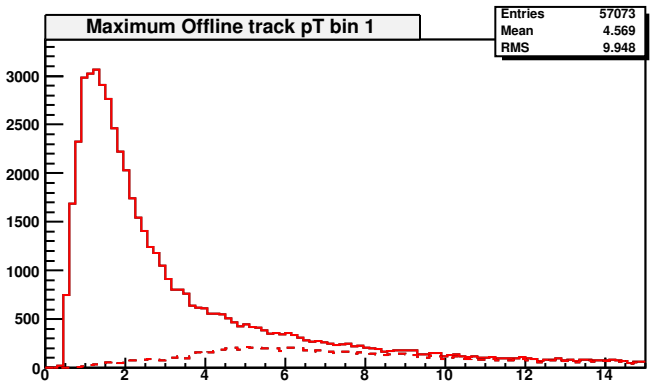


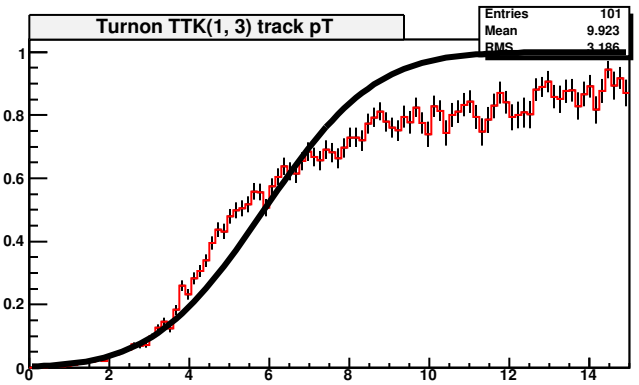


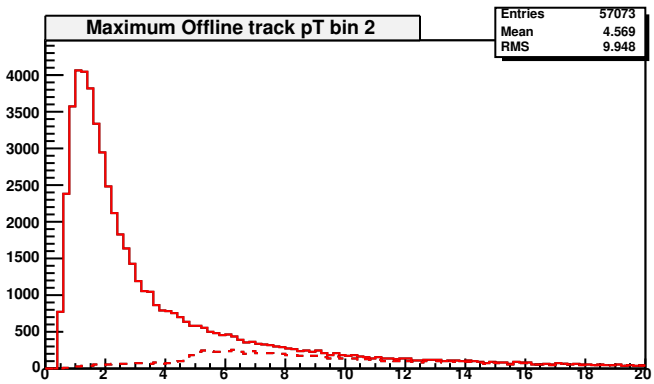
FPS Number of Hits (All)

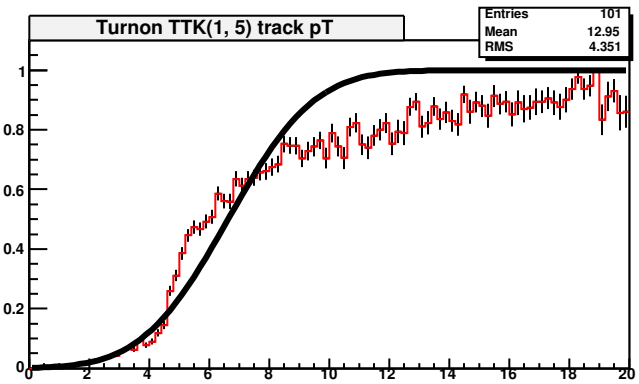


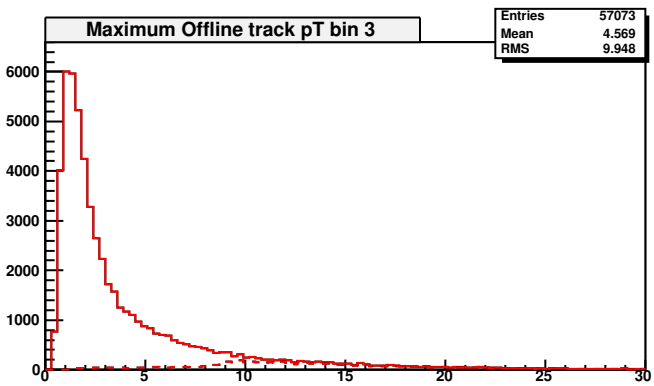


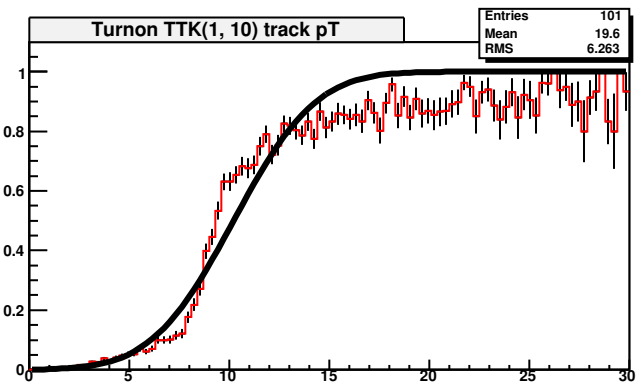




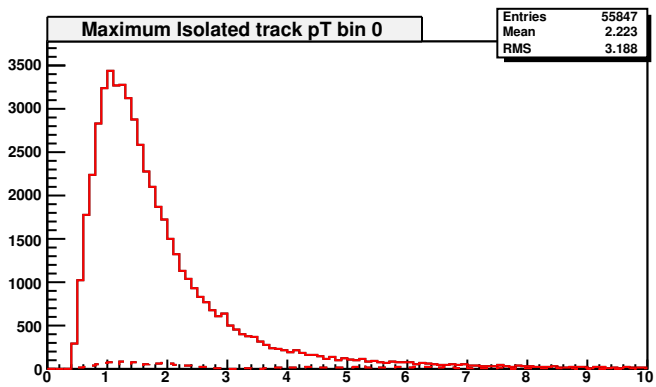


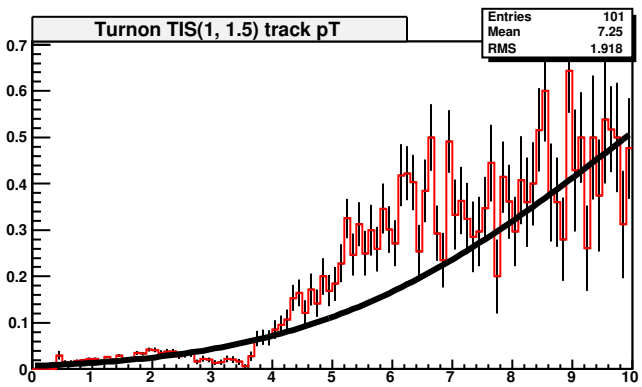


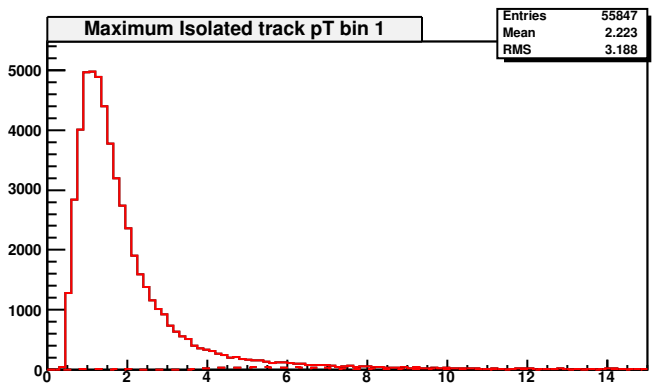


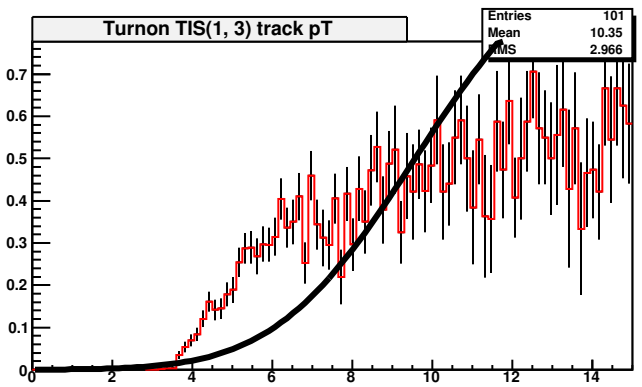


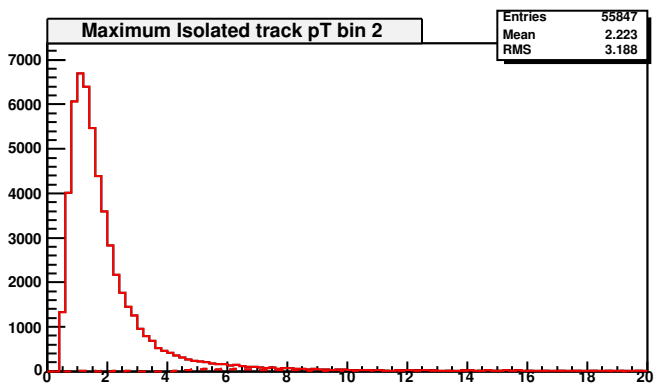
TTK Turnon curves (L1CTT All)

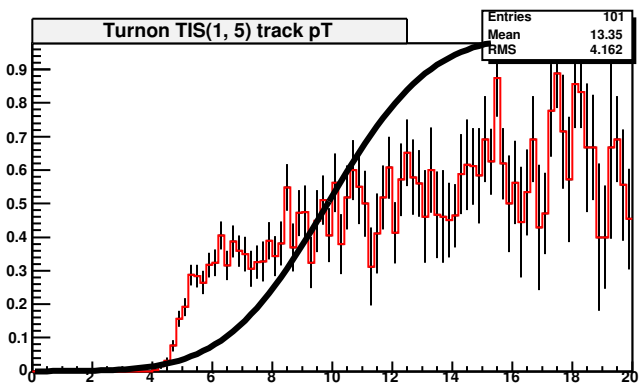


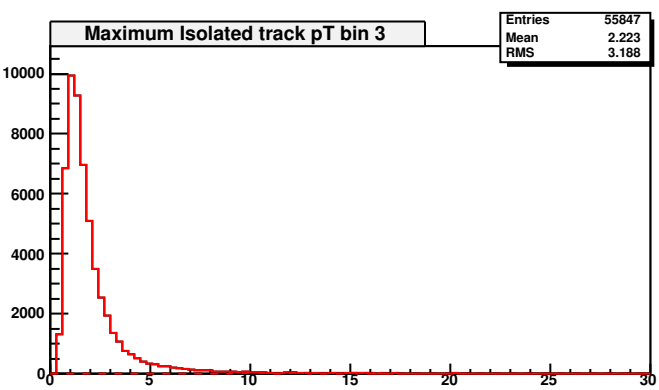


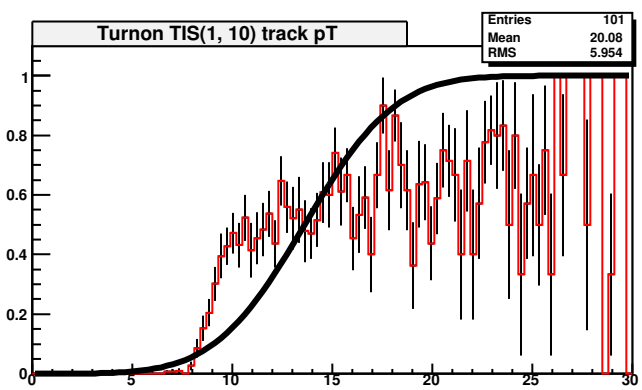




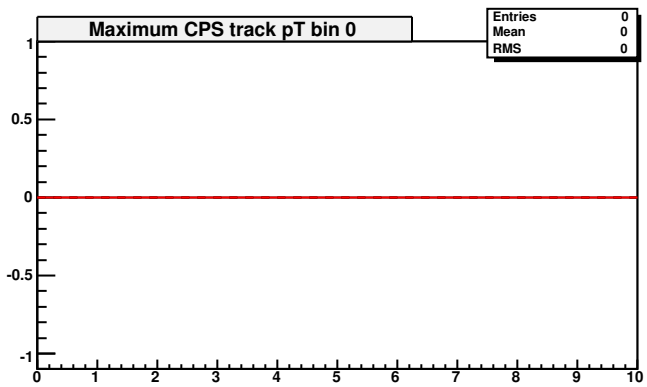


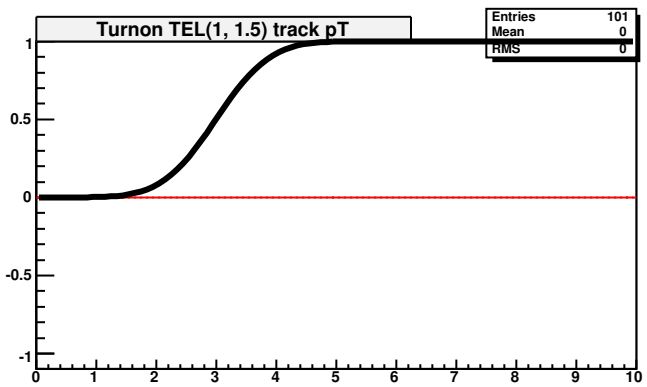


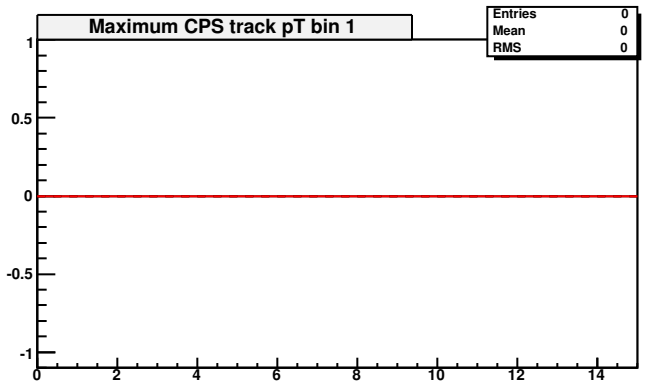


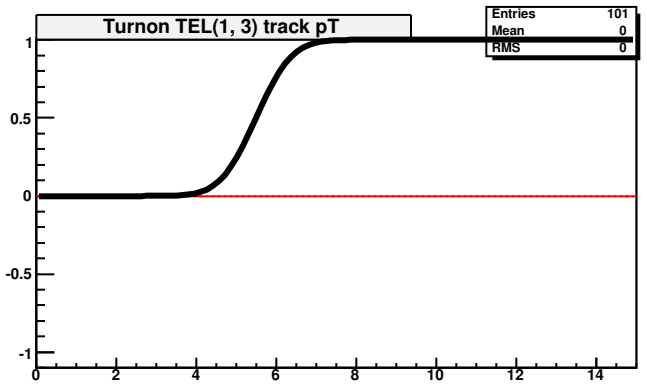


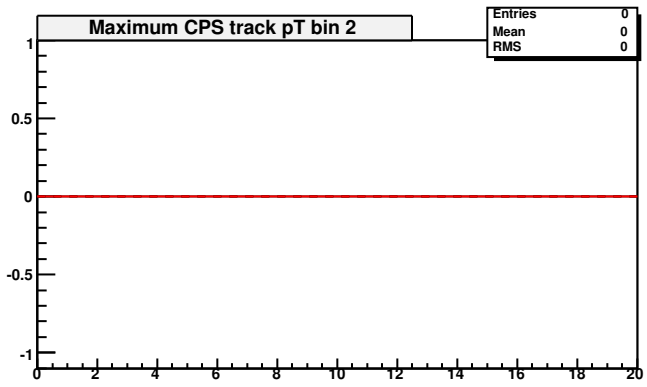
TIS Turnon curves (L1CTT All)

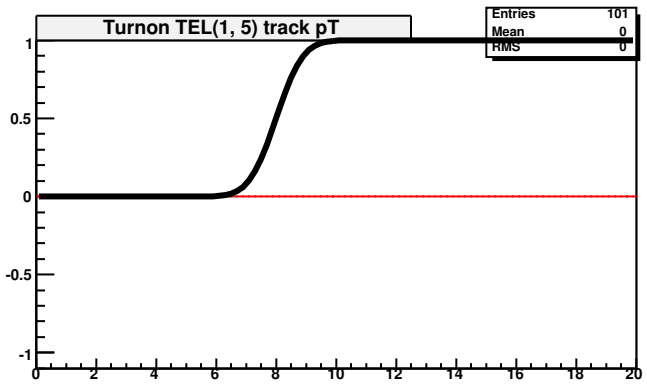


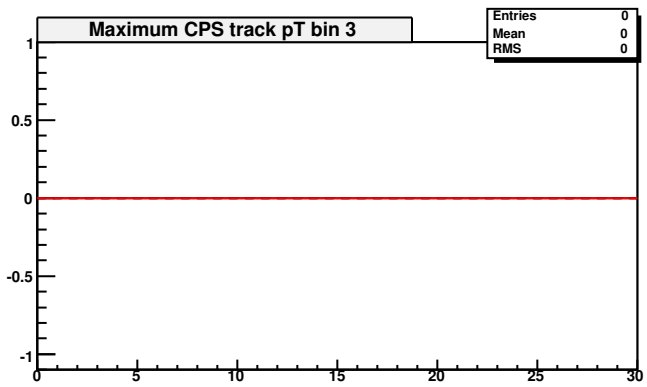


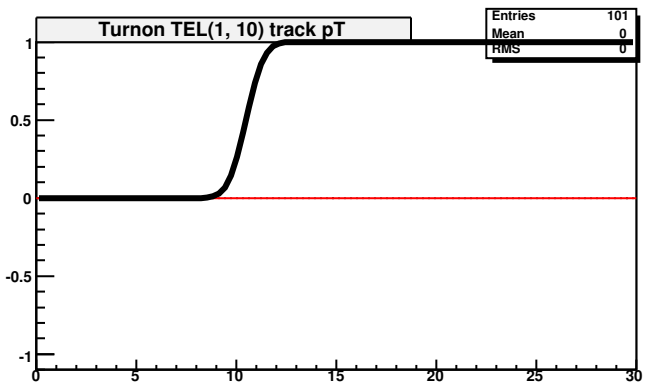




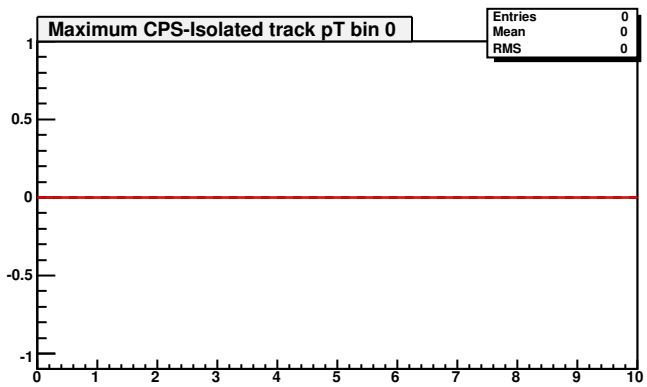


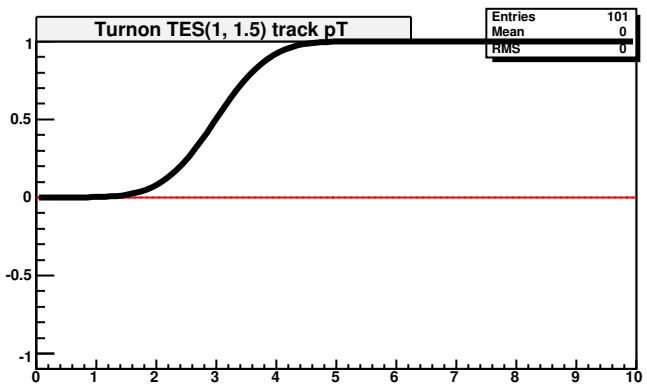


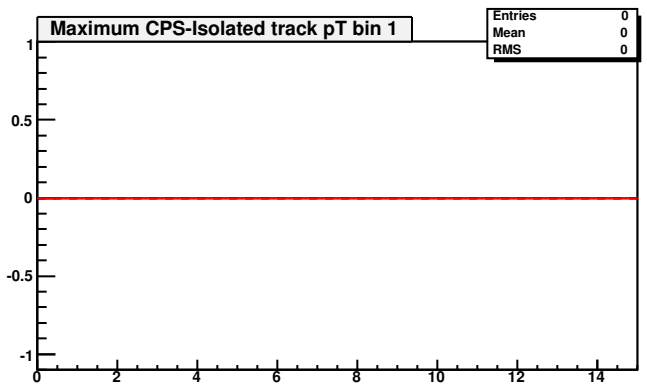


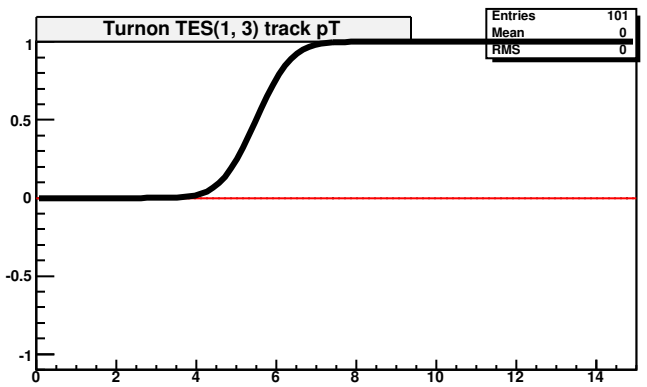


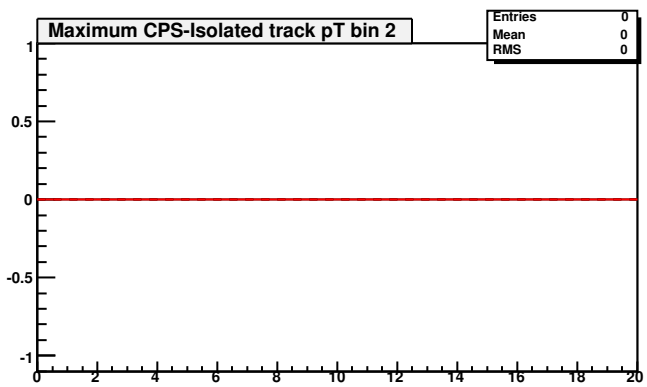
TEL Turnon curves (L1CTT All)

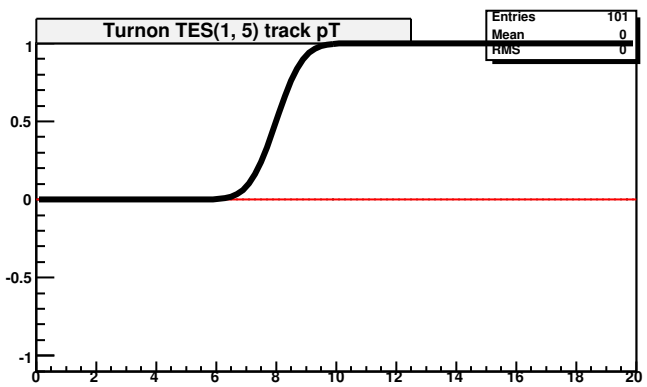


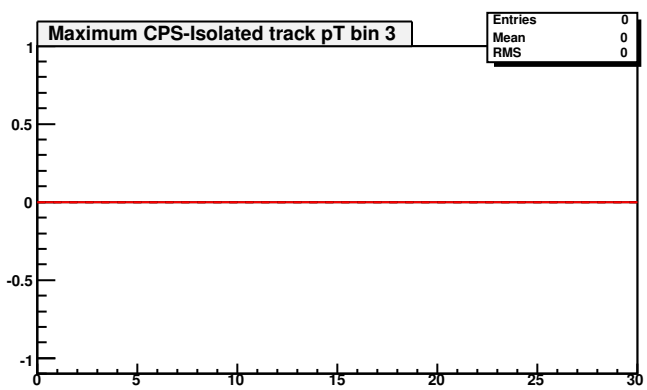


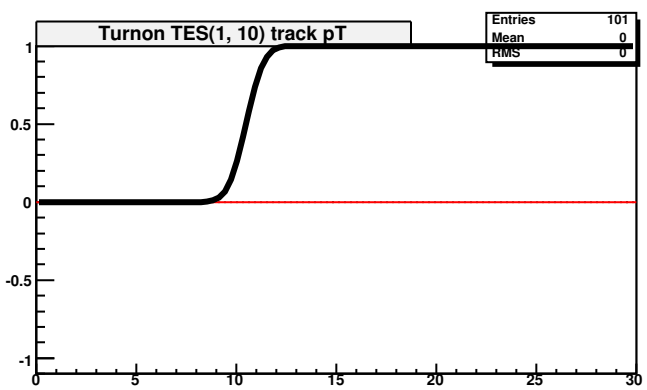




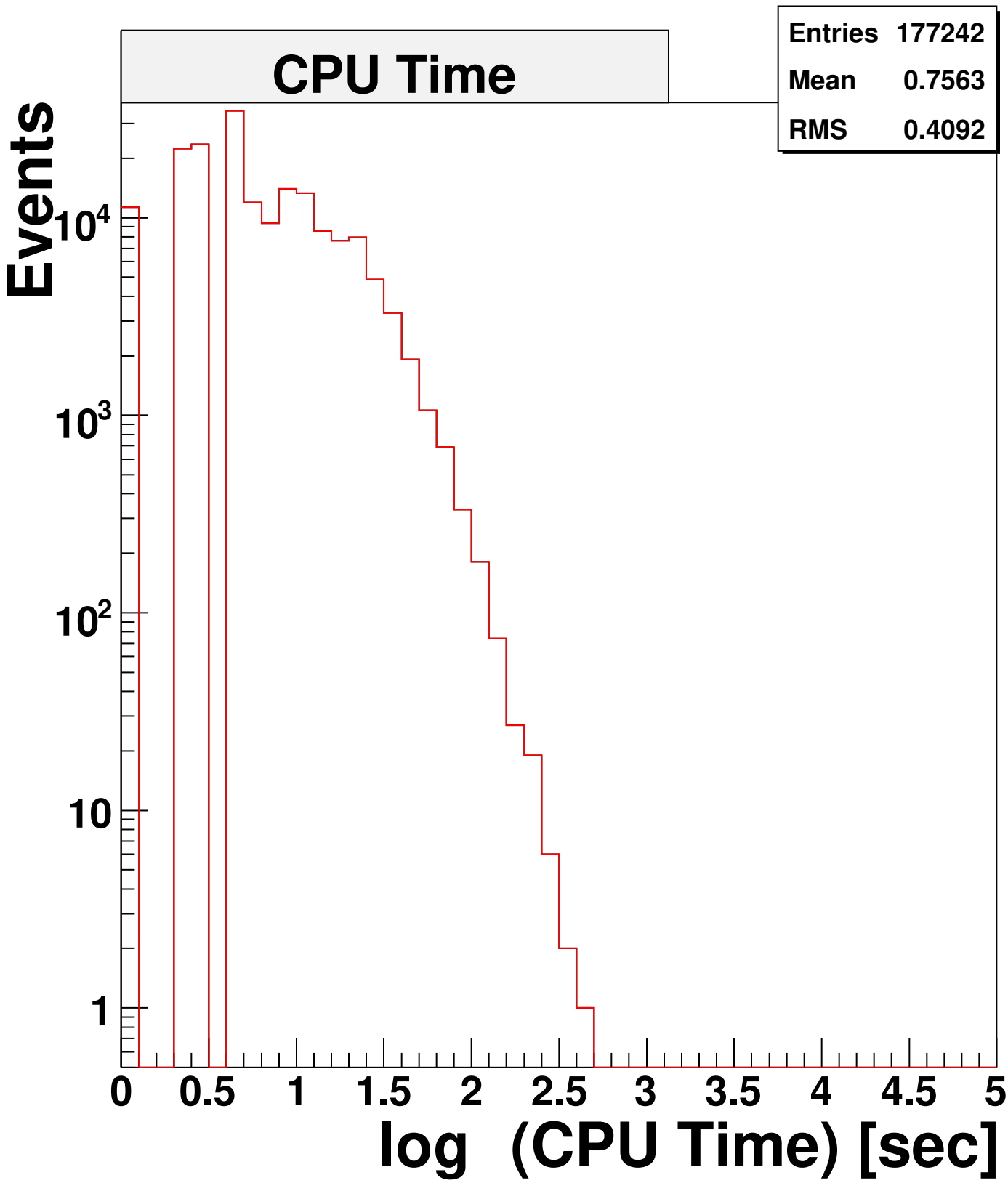








TES Turnon curves (L1CTT All)



RECO Performance (Timing)