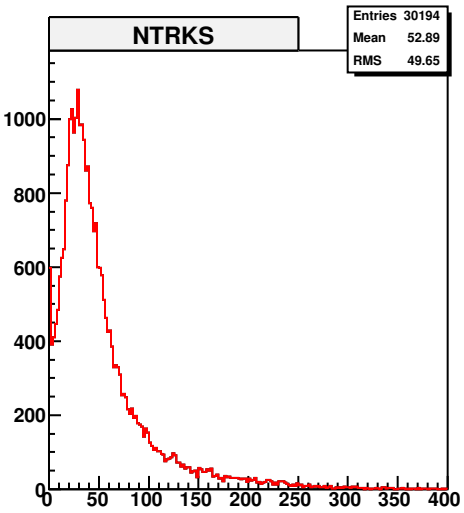
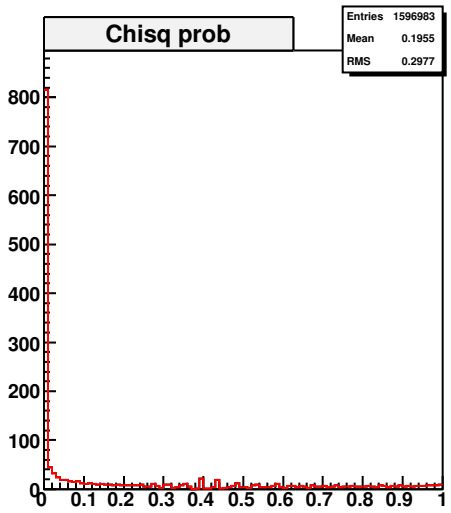
dayset-2006-08-27-all_2-224620-1_certification_20070
../unmerged/dayset-2006-08-27-all_2-224620-1_certific

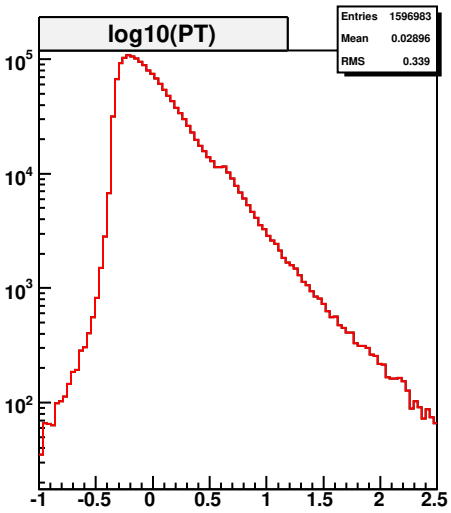
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracking (Efficiency - Isolated)
Page 6: Tracking (Efficiency - InJets)
Page 7: Vertices (Primary - all candidates)
Page 8: Vertices (Primary - best)
Page 9: V0 (All)
Page 10: V0 (B mesons)
Page 11: Electrons (SCONE All)
Page 12: Electrons (SCONE 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)

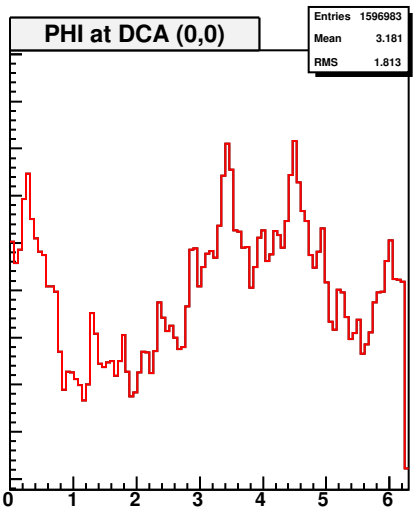
RecoCert_Plots (Index)

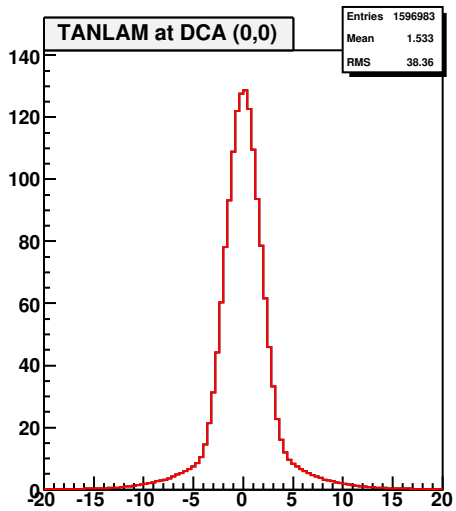
Page 54: FPS Trigger Sector Occupancy
Page 55: FPS Number of Hits
Page 56: L1CTT TTK Trigger Turn-on (All)
Page 57: L1CTT TIS Trigger Turn-on (All)
Page 58: L1CTT TEL Trigger Turn-on (All)
Page 59: L1CTT TES Trigger Turn-on (All)
Page 60: RECO Performance (Timing)

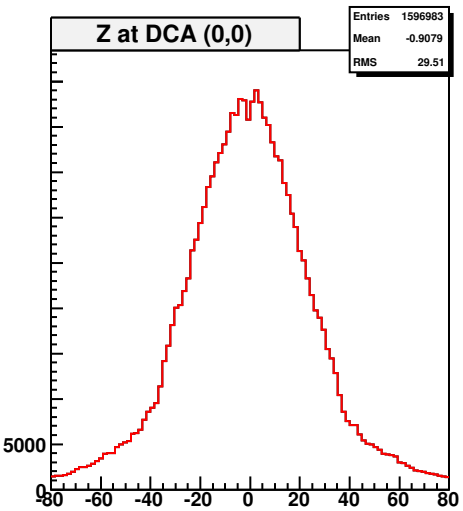

NTRKS
Entries 30194
Mean 52.89
RMS 49.65

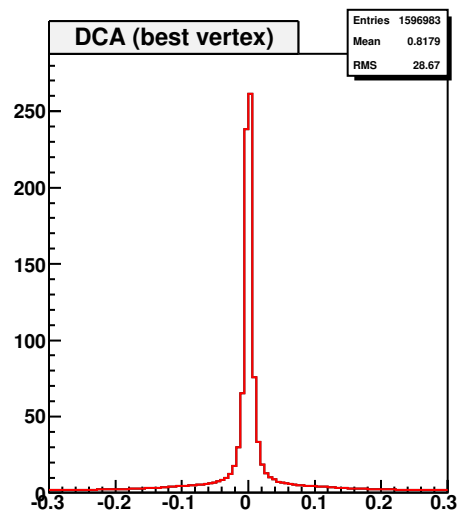

Chisq prob
Entries 1596983
Mean 0.1955
RMS 0.2977

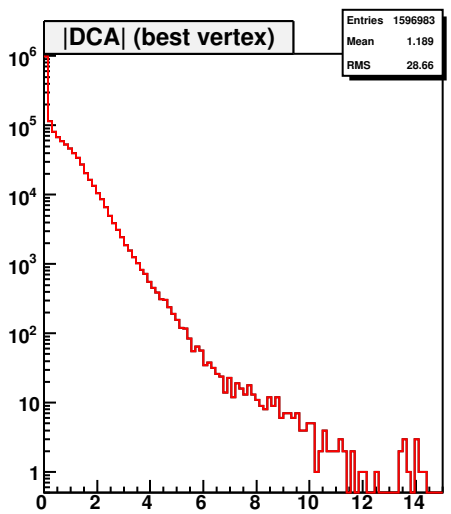

log10(PT)
Entries 1596983
Mean 0.02896
RMS 0.339

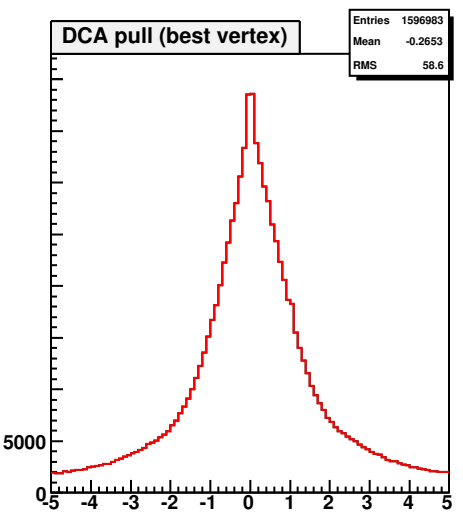

PHI at DCA (0,0)
Entries 1596983
Mean 3.181
RMS 1.813


TANLAM at DCA (0,0)
Entries 1596983
Mean 1.533
RMS 38.36

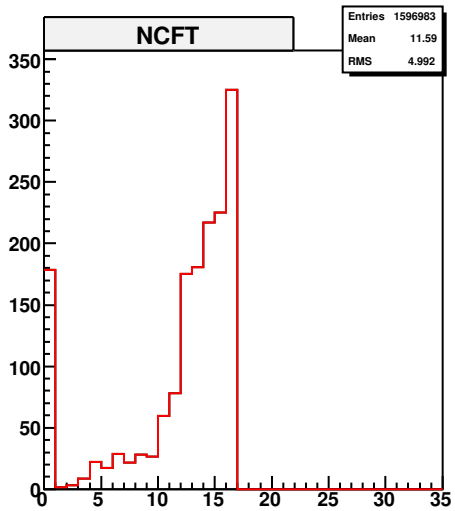

Z at DCA (0,0)
Entries 1596983
Mean -0.9079
RMS 29.51

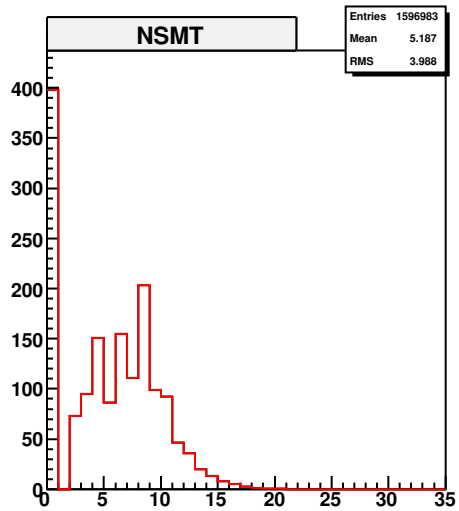

DCA (best vertex)
Entries 1596983
Mean 0.8179
RMS 28.67

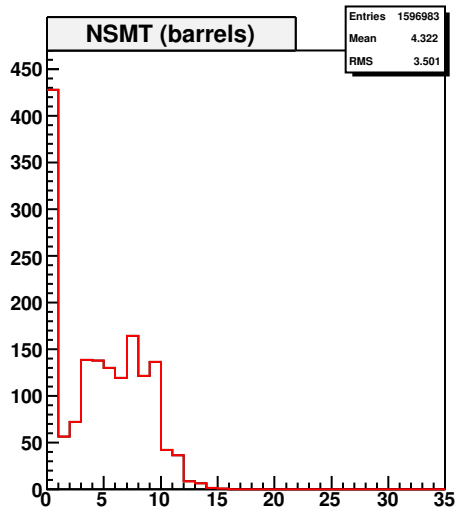

|DCA| (best vertex)
Entries 1596983
Mean 1.189
RMS 28.66

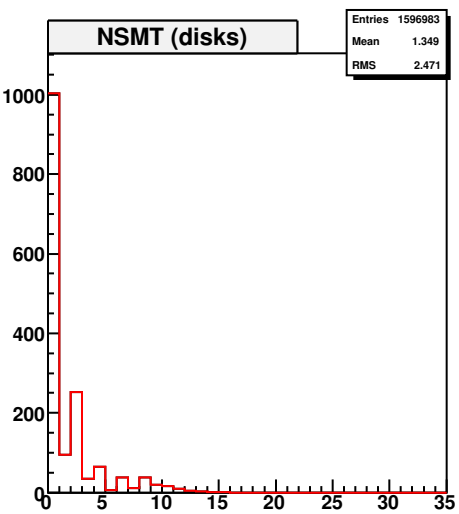

DCA pull (best vertex)
Entries 1596983
Mean -0.2653
RMS 58.6

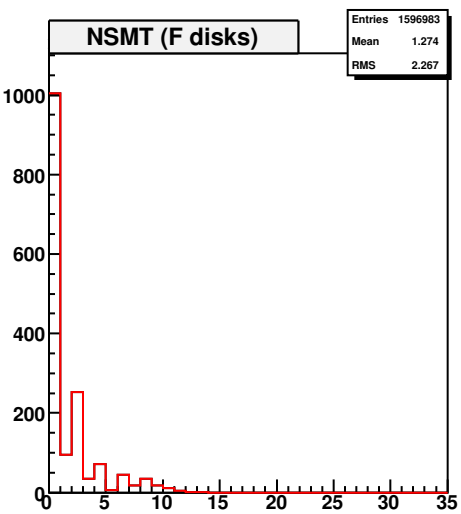
Tracks (All)

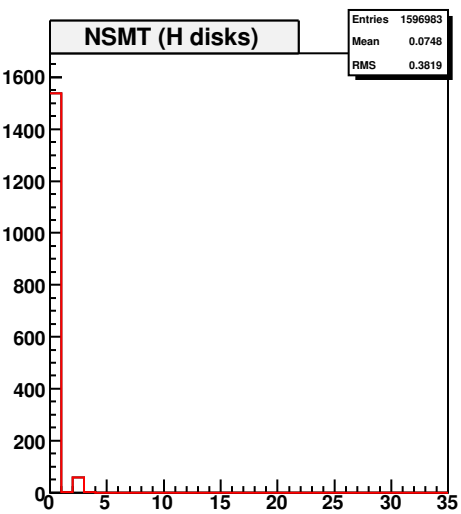


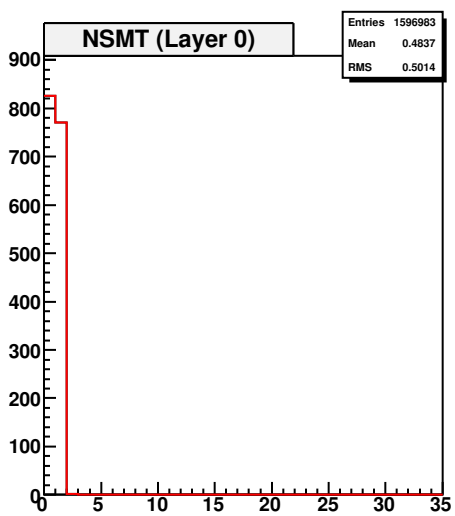




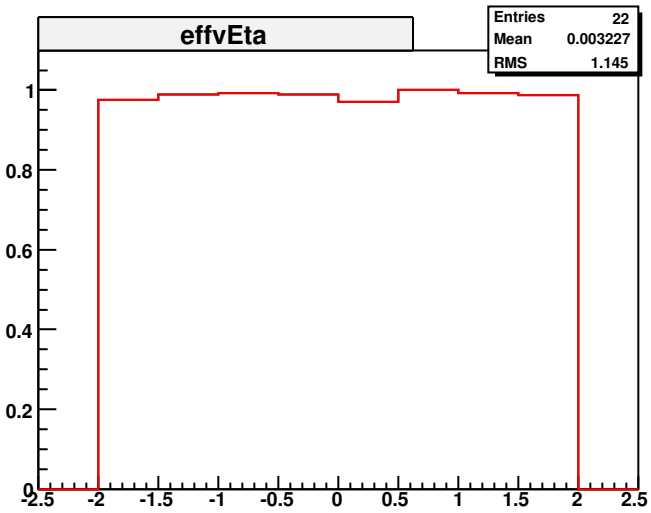


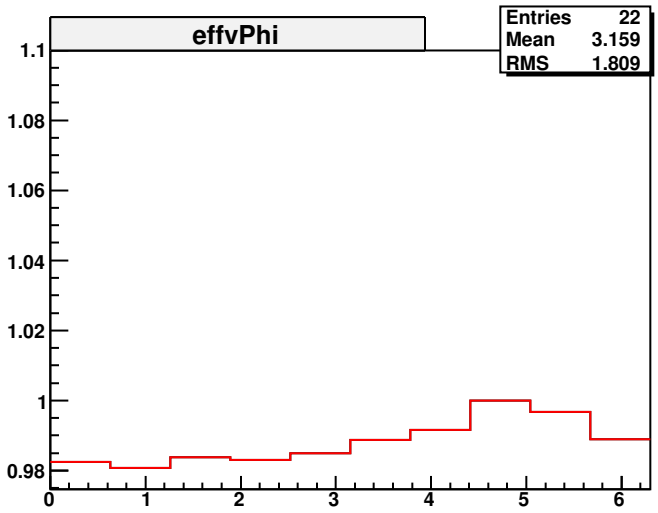


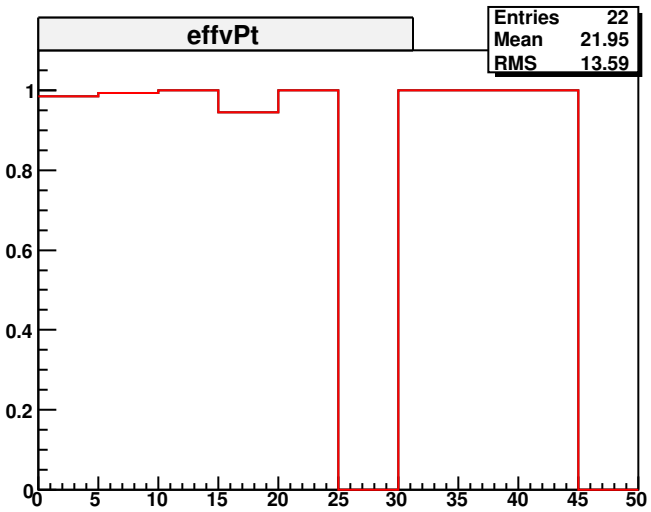


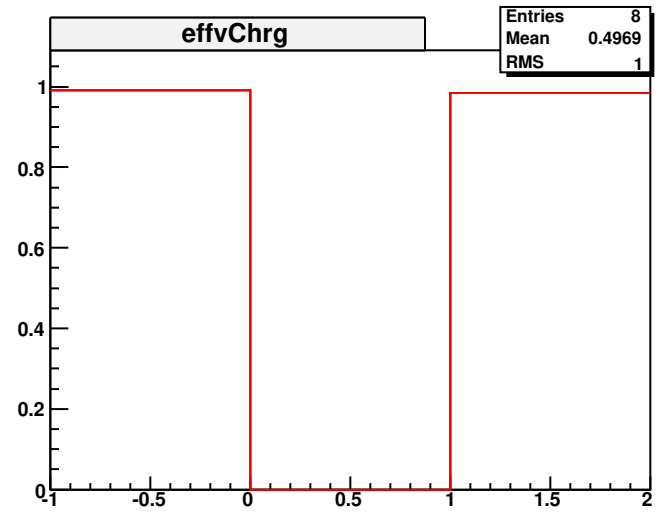


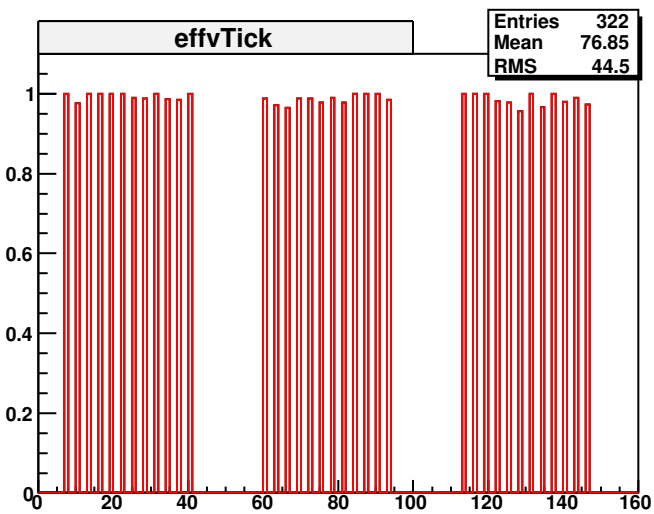
Track Hits (All)

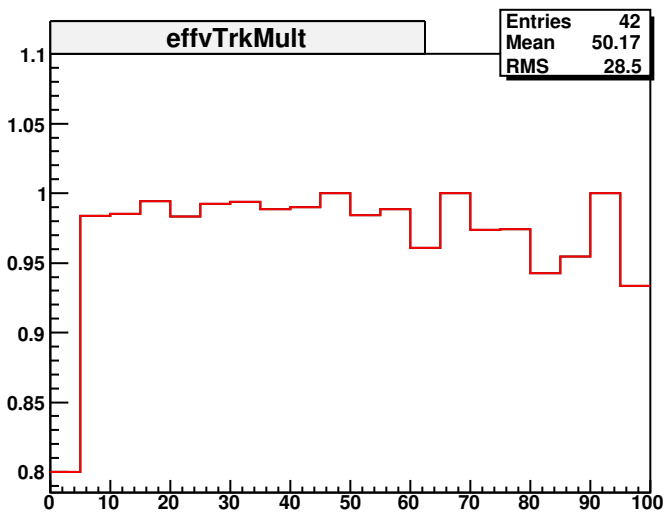




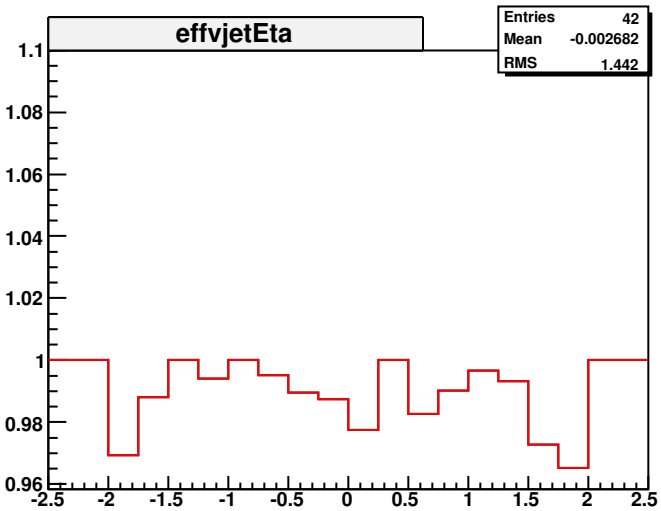


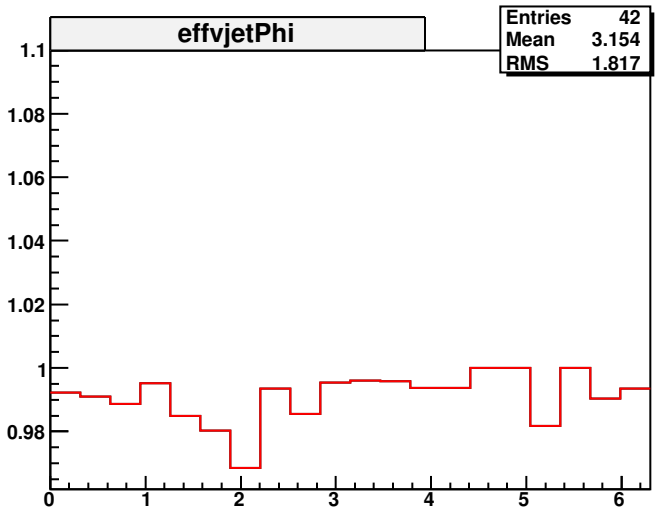


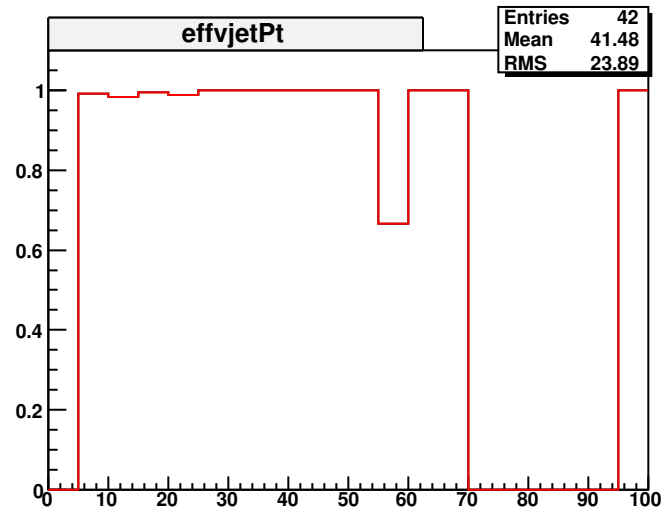




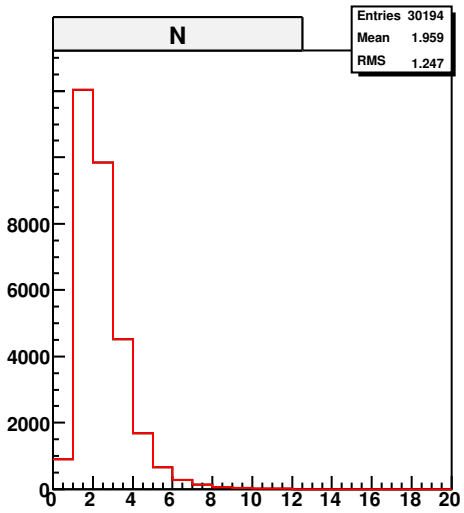
Tracking (Efficiency-Isolated)

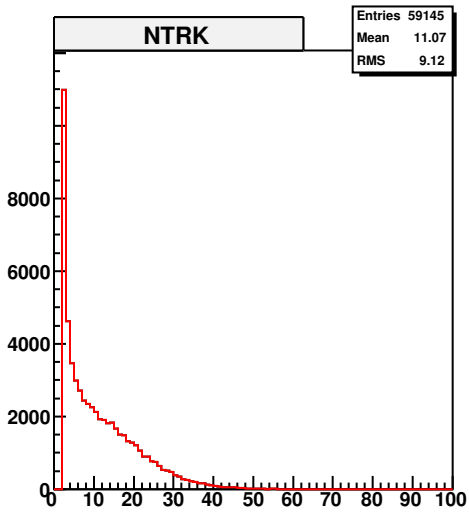


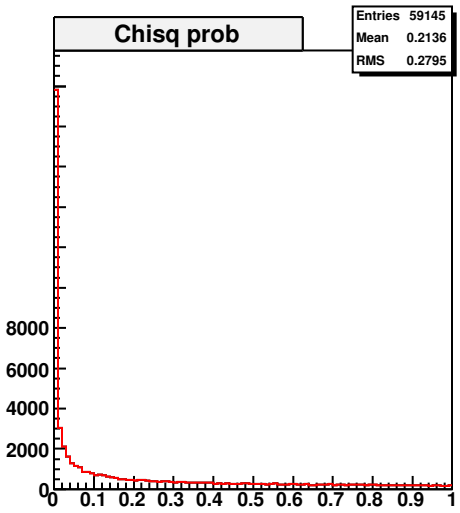


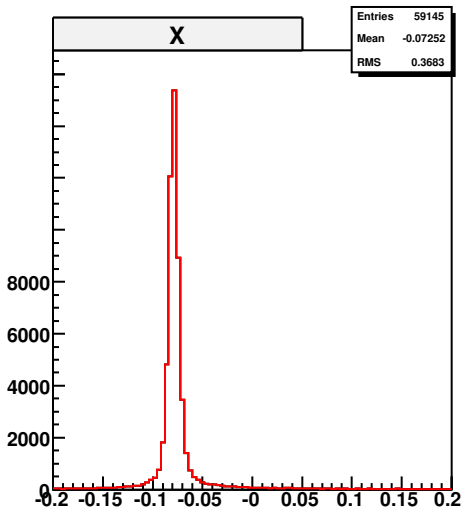


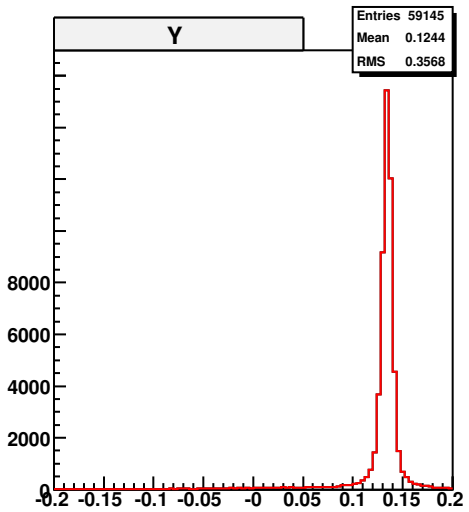
Tracking (Efficiency-InJets)

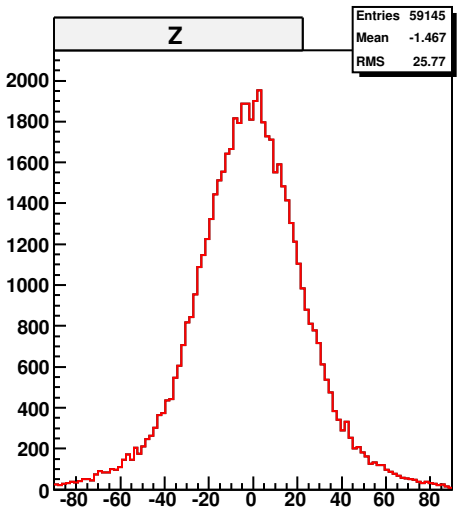




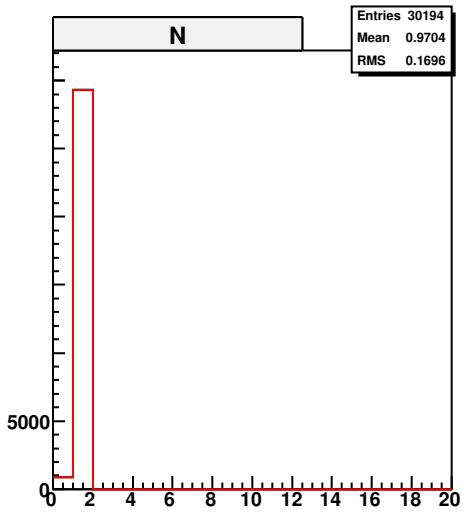


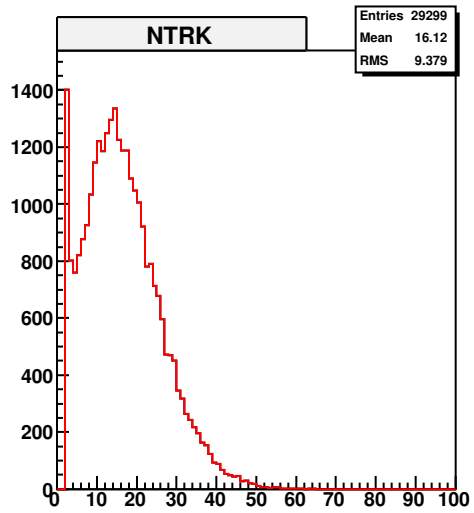


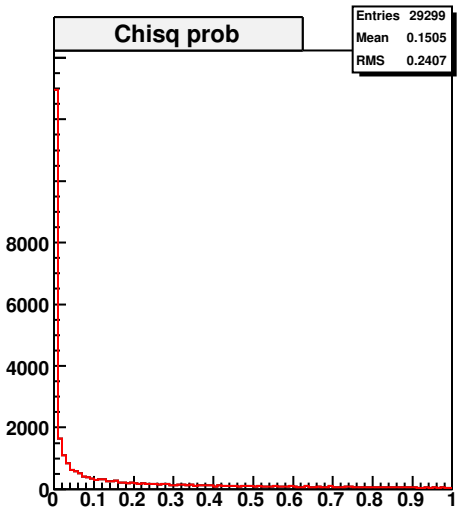


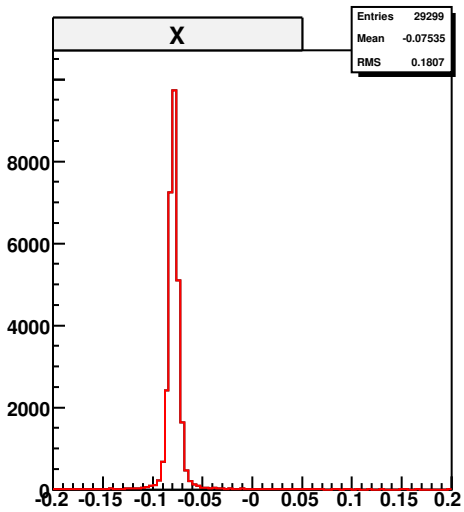


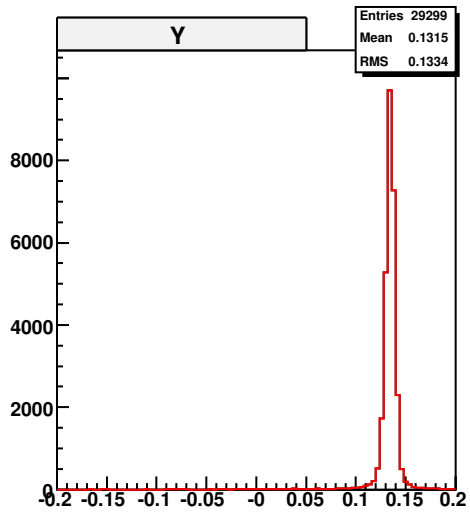
Vertices (Primary - all candidates)

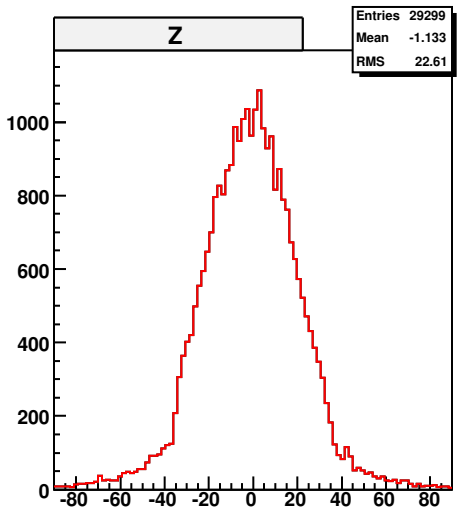




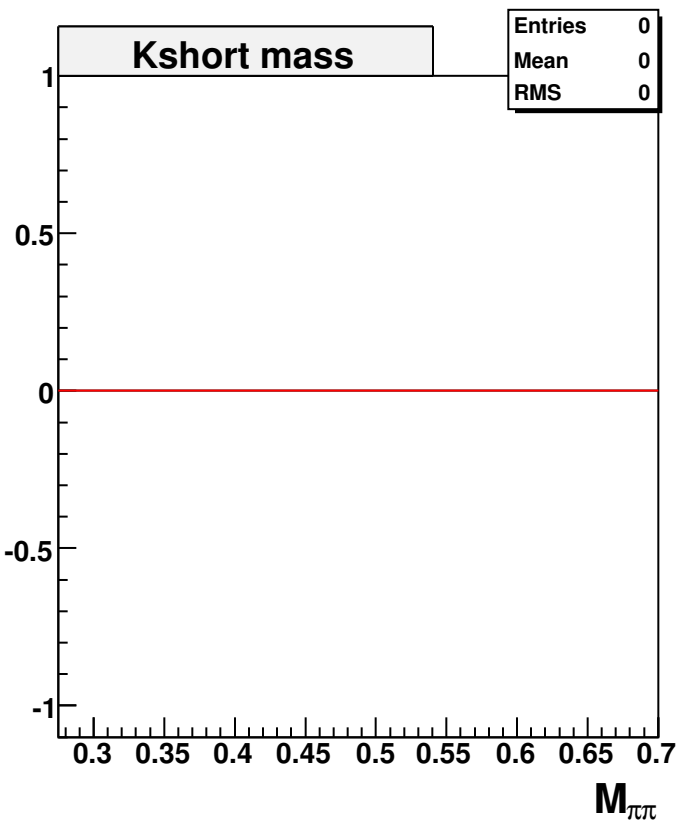


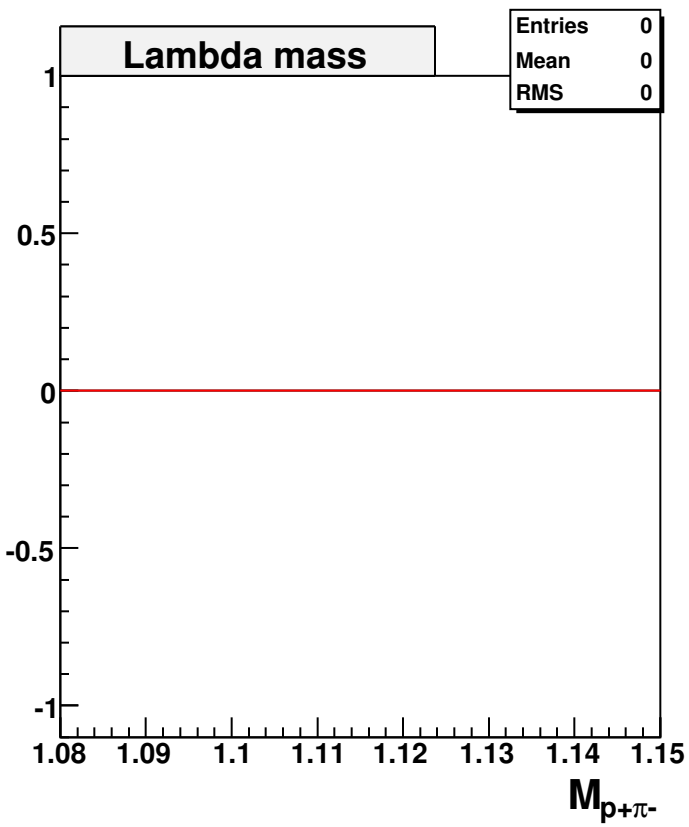


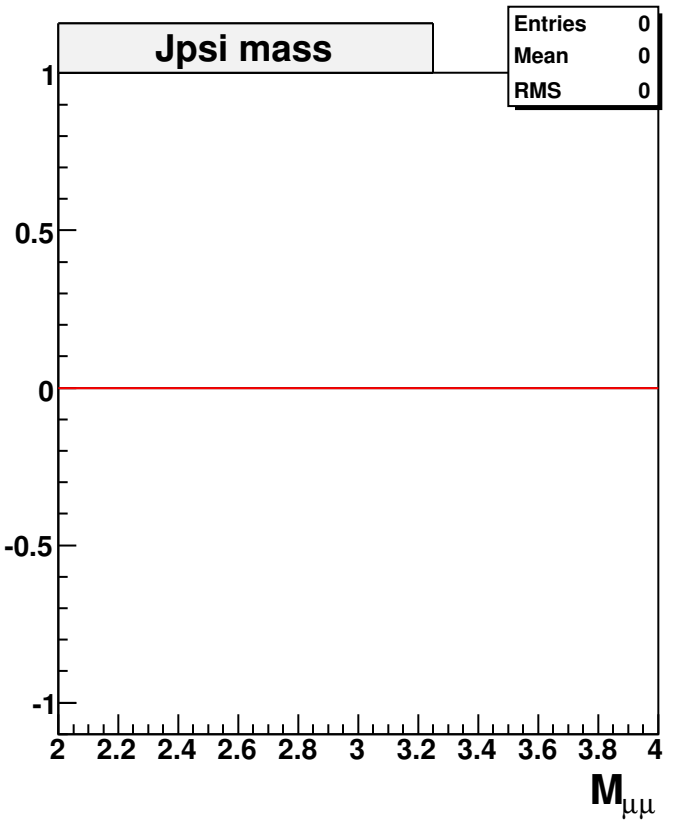


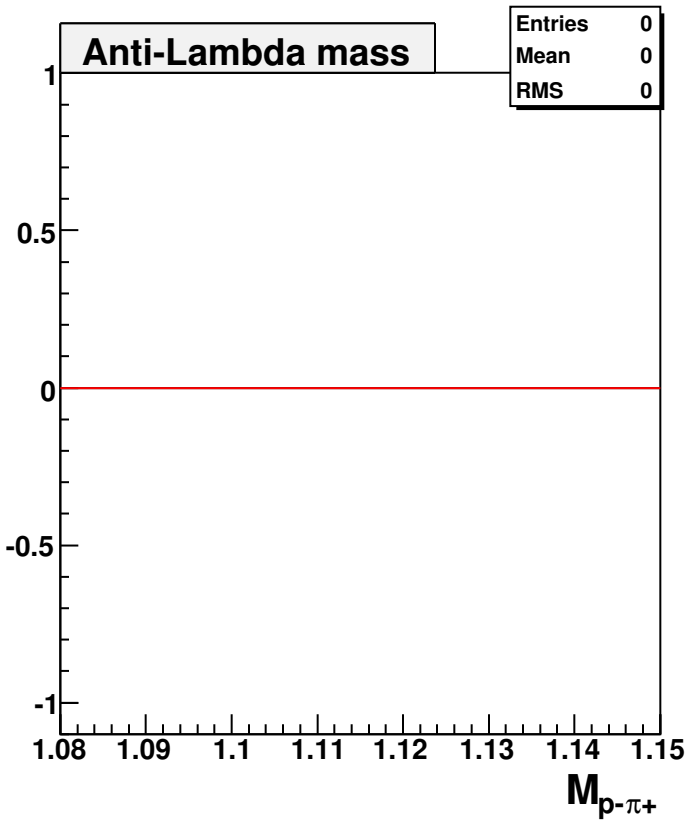


Vertices (Primary - best)

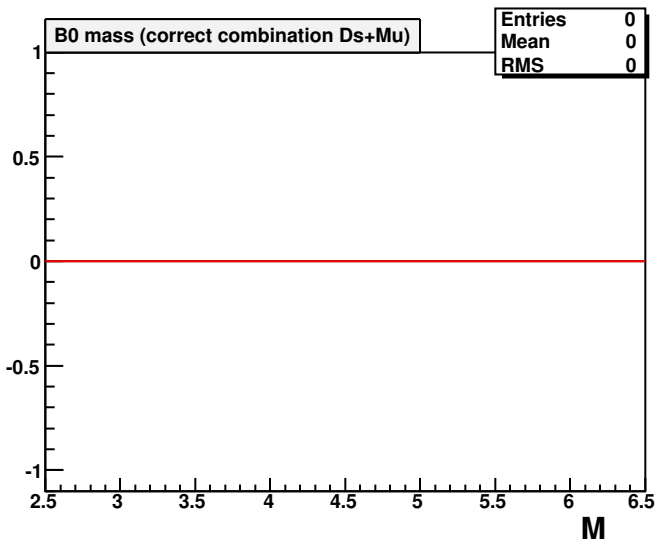

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

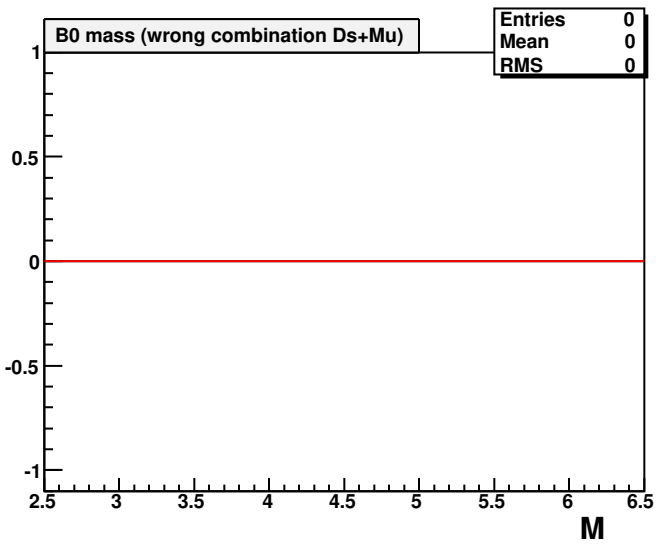

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

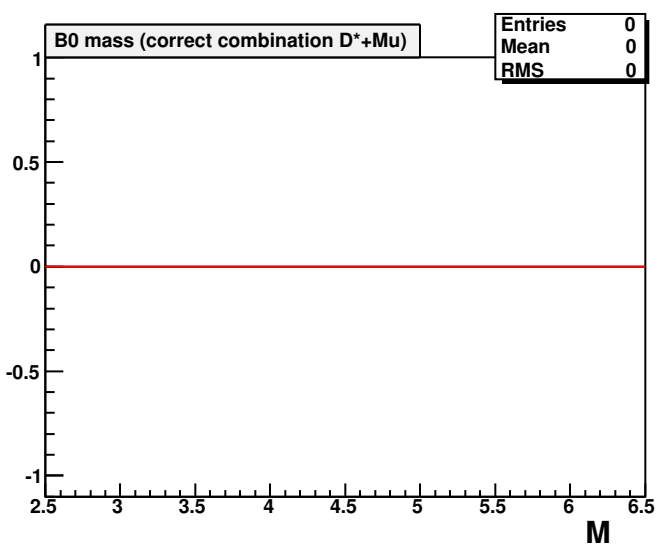

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

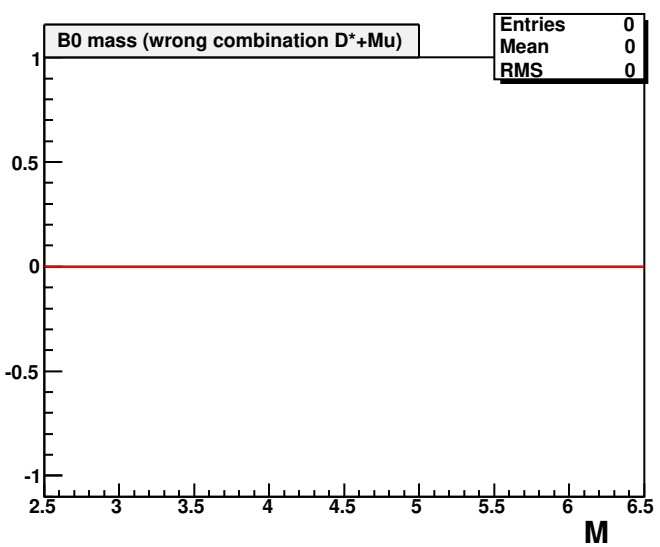

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

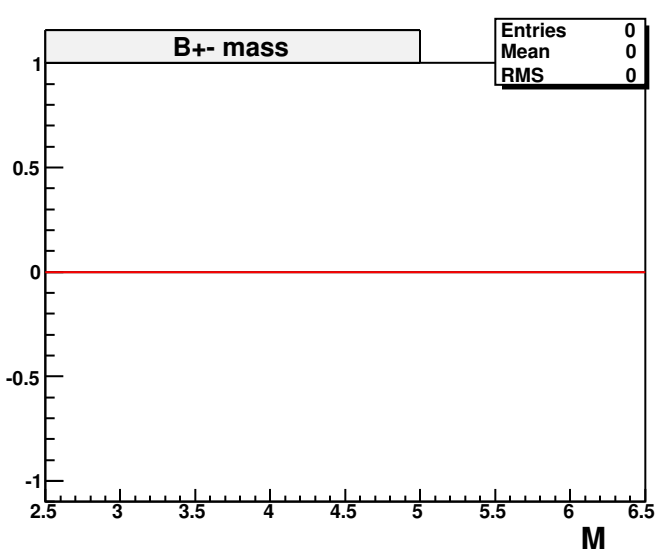
V0 (All)



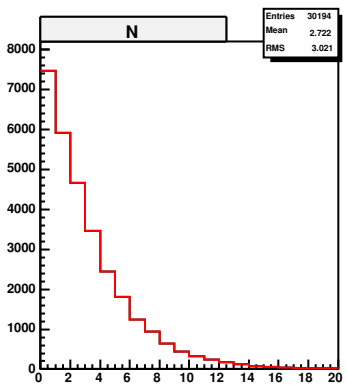


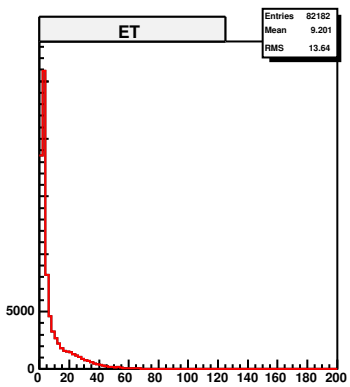


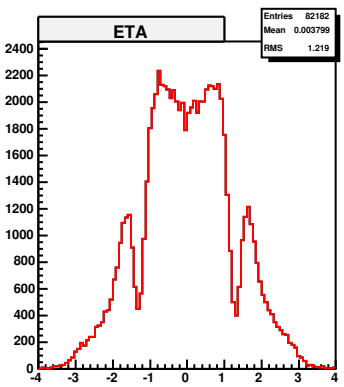


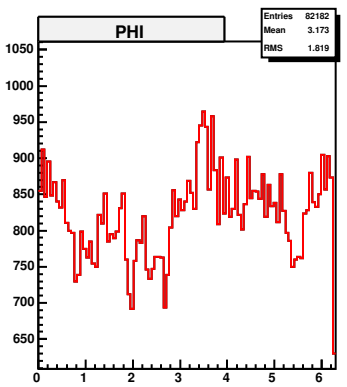


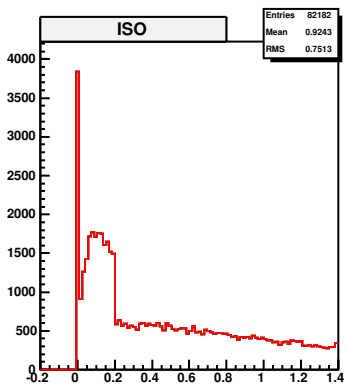
V0(B mesons) (All)

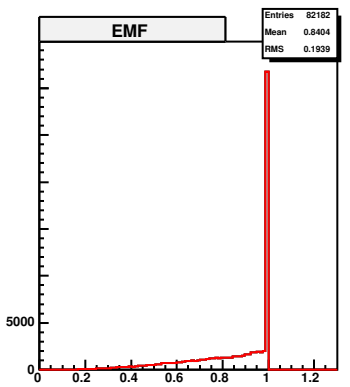


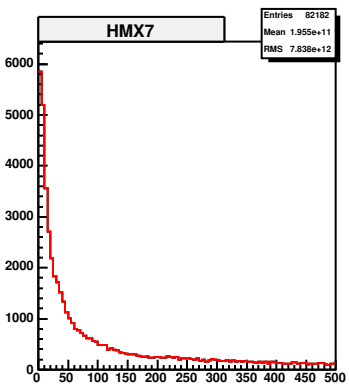


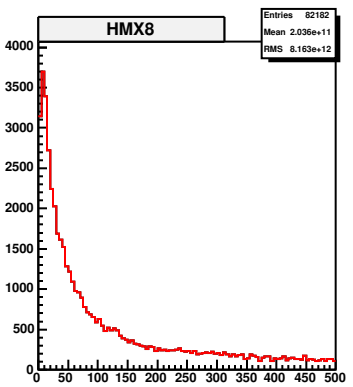


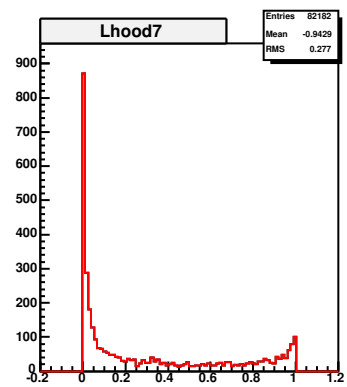


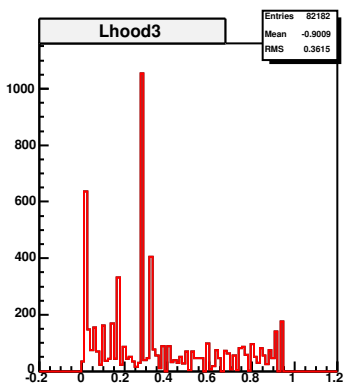


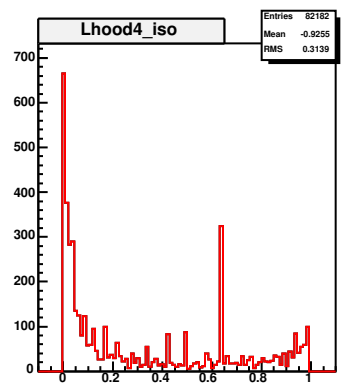


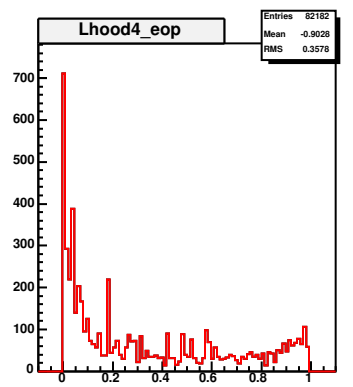


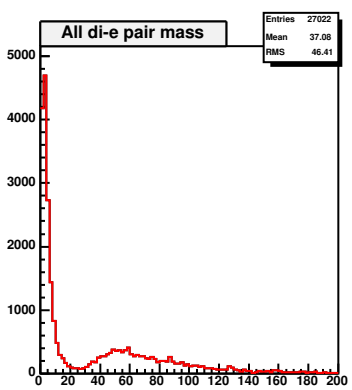


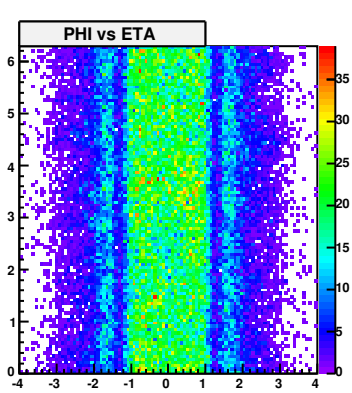


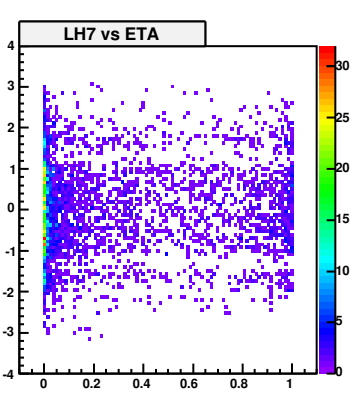


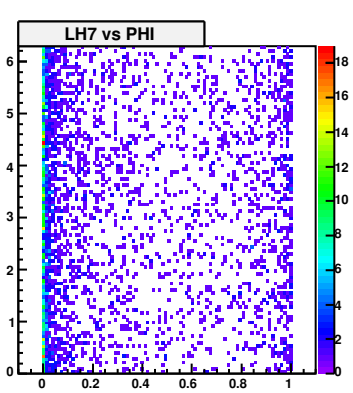




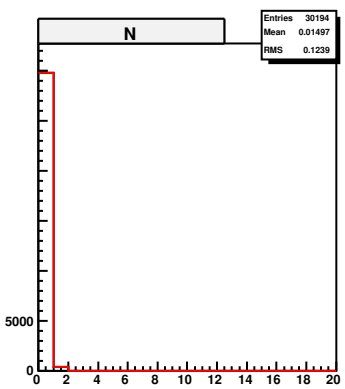


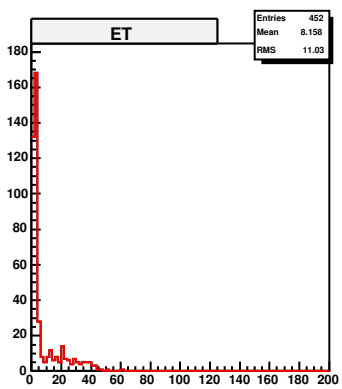


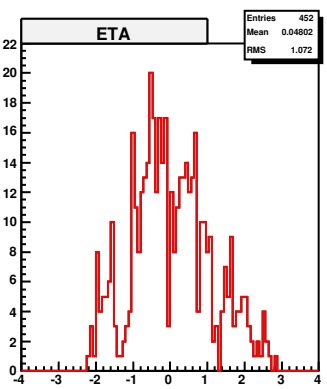


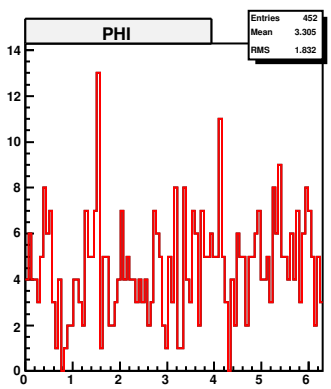


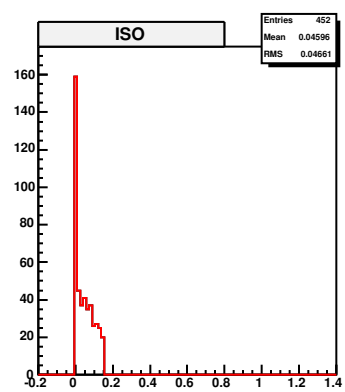
Electrons (SCONE All)

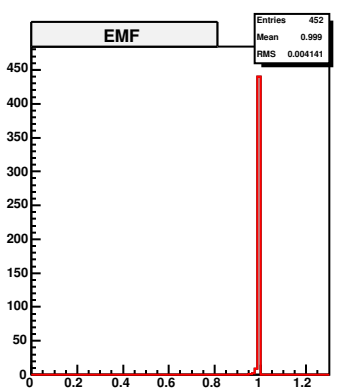


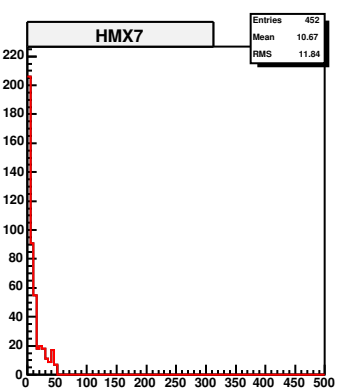


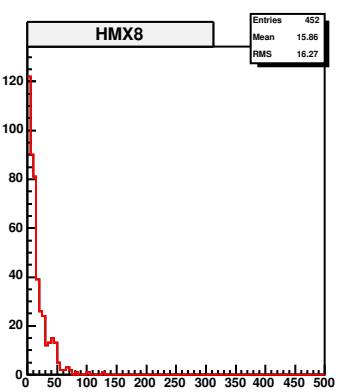


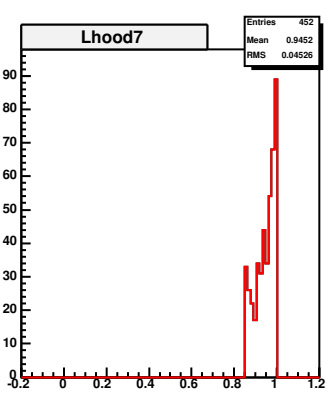


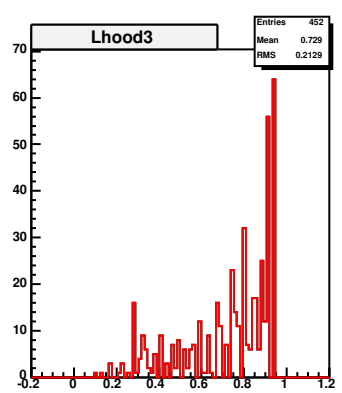


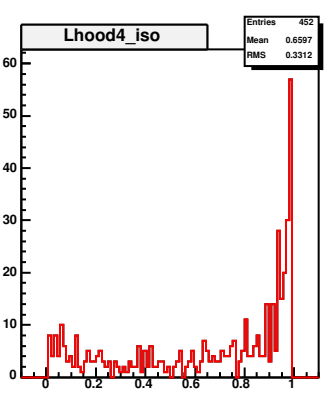


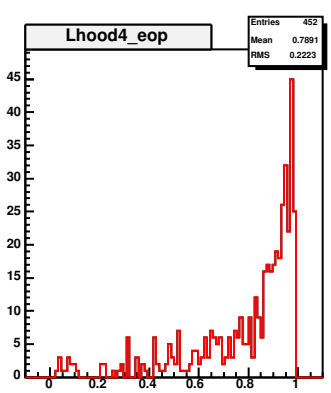


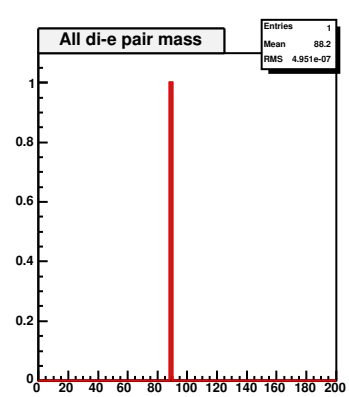


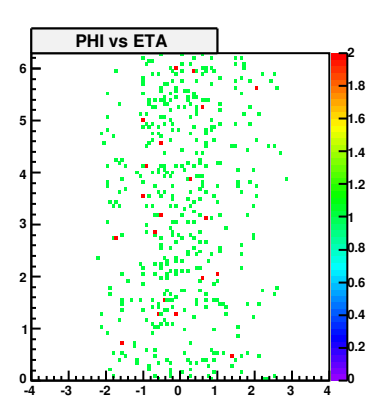


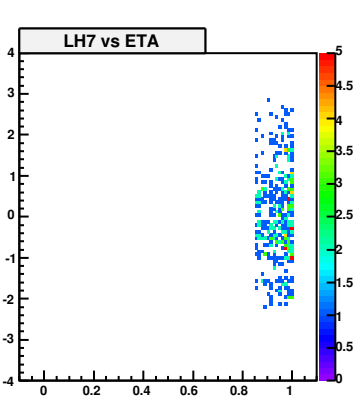


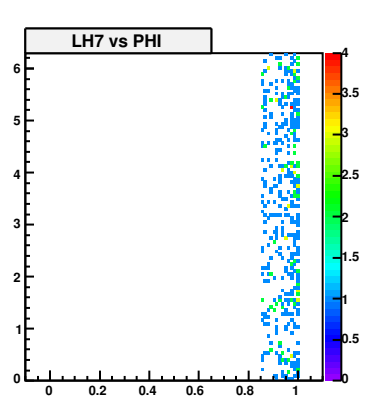




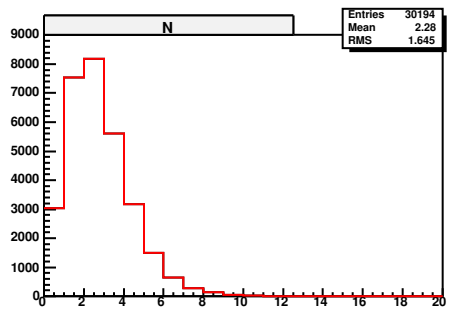


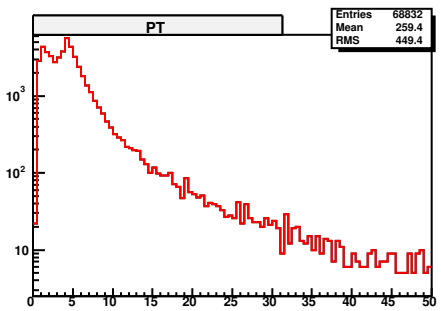


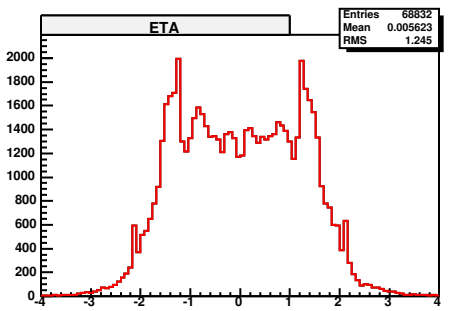


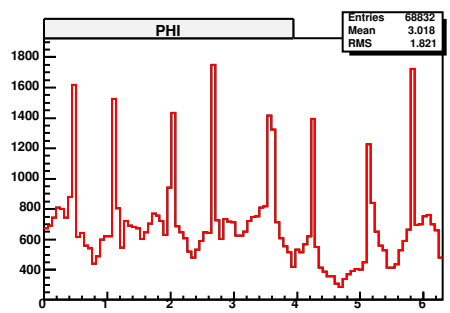


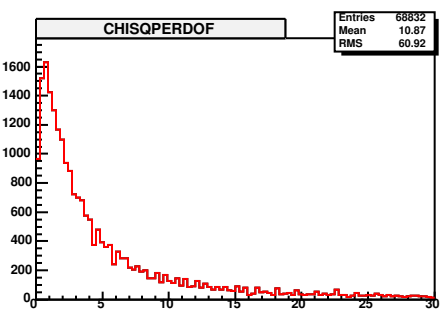
Electrons (SCONE Tight)

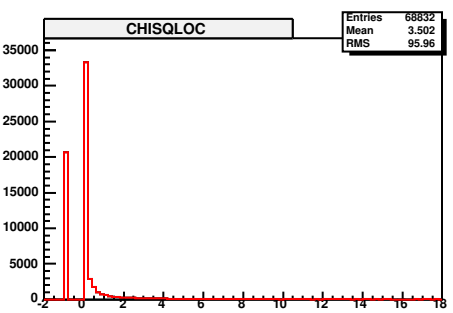

N
Entries 30194
Mean 2.28
RMS 1.645

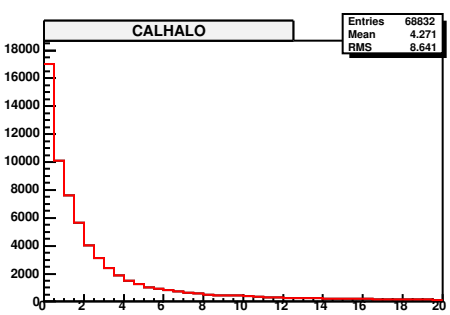

PT
Entries 68832
Mean 259.4
RMS 449.4

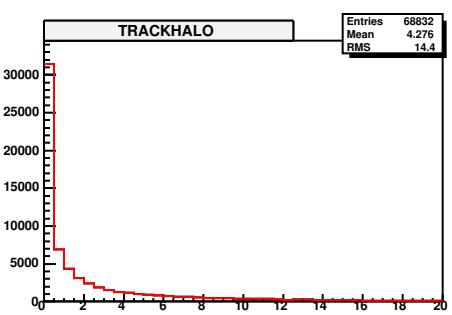

ETA
Entries 68832
Mean 0.005623
RMS 1.245

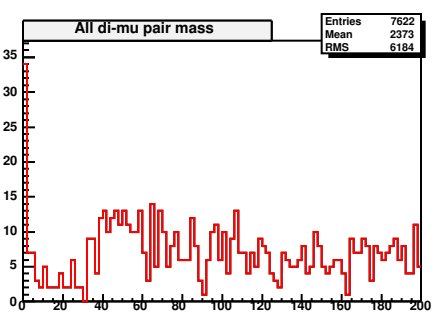

PHI
Entries 68832
Mean 3.018
RMS 1.821

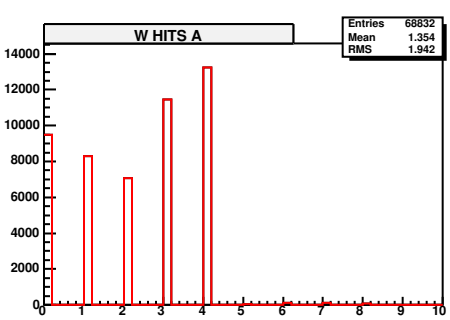

CHISQPERDOF
Entries 68832
Mean 10.87
RMS 60.92

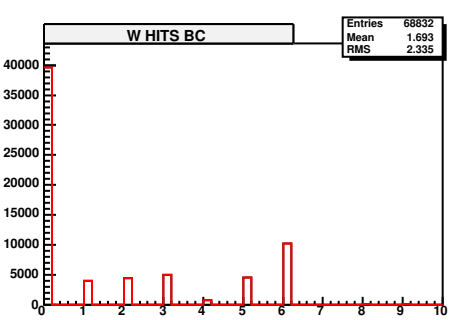

CHISQLOC
Entries 68832
Mean 3.502
RMS 95.96

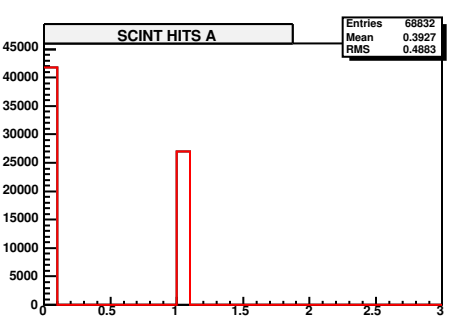

CALHALO
Entries 68832
Mean 4.271
RMS 8.641

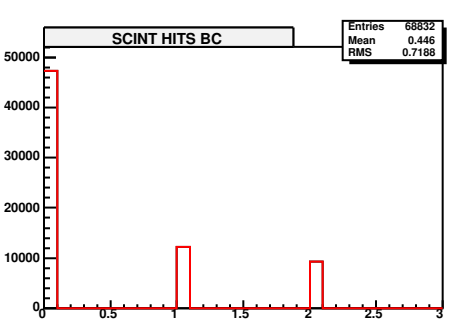

TRACKHALO
Entries 68832
Mean 4.276
RMS 14.4


All di-mu pair mass
Entries 7622
Mean 2373
RMS 6184

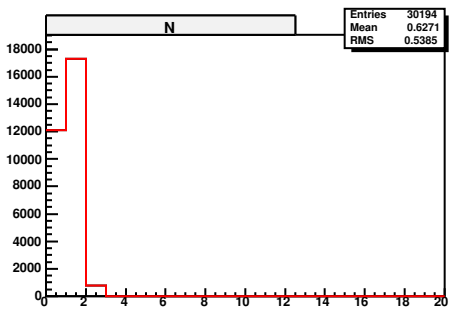

W HITS A
Entries 68832
Mean 1.354
RMS 1.942

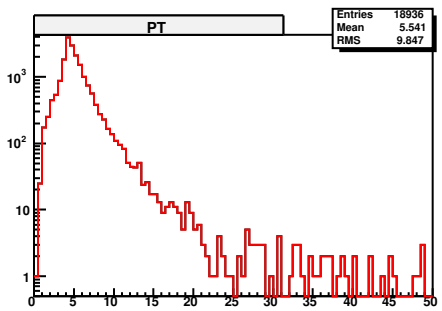

W HITS BC
Entries 68832
Mean 1.693
RMS 2.335

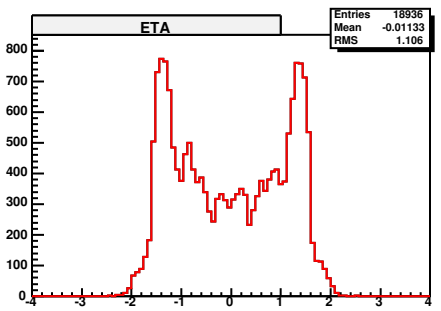

SCINT HITS A
Entries 68832
Mean 0.3927
RMS 0.4883

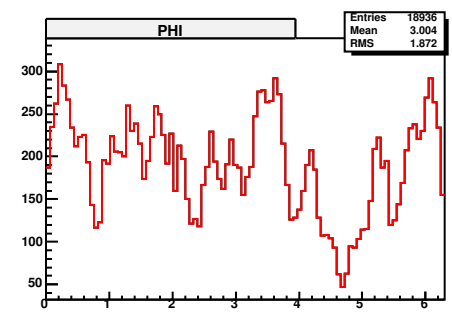

SCINT HITS BC
Entries 68832
Mean 0.446
RMS 0.7188

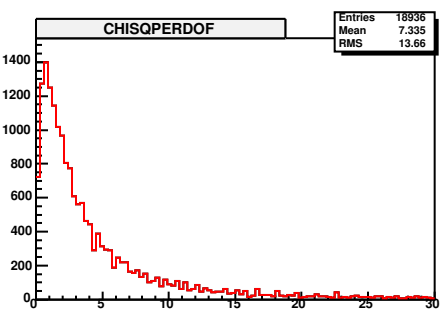
Muons (All)

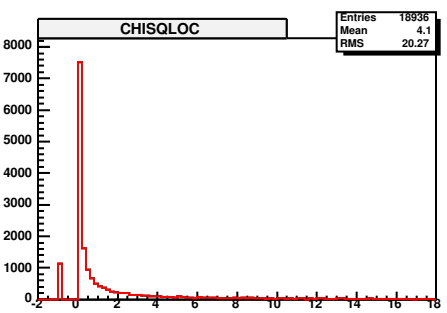


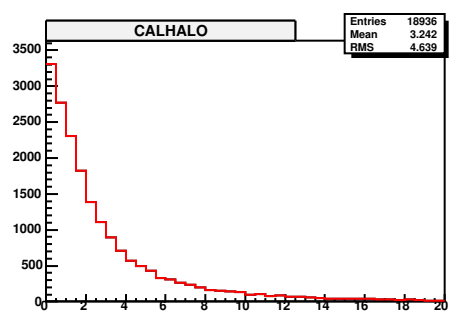


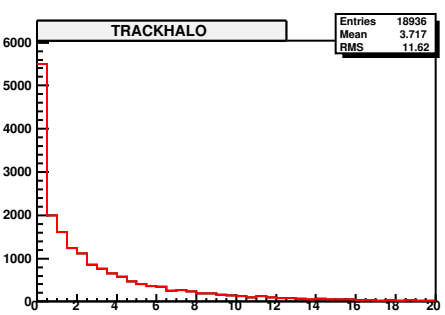


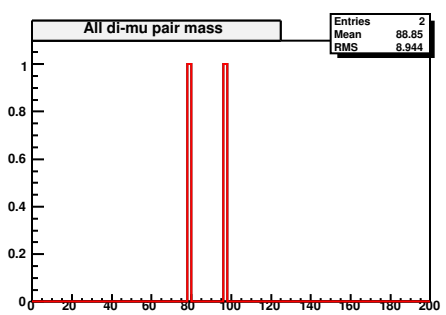


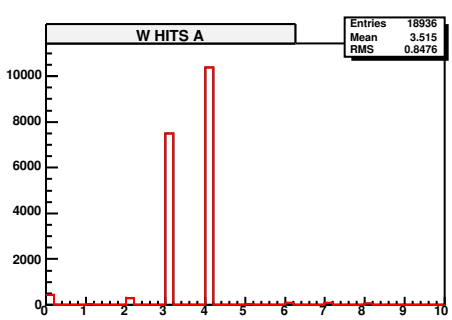


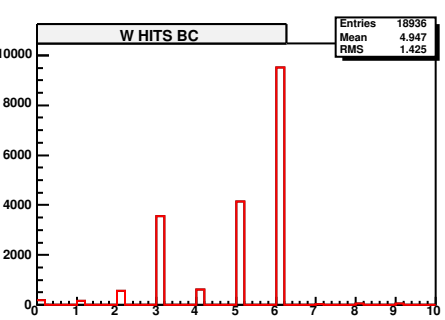


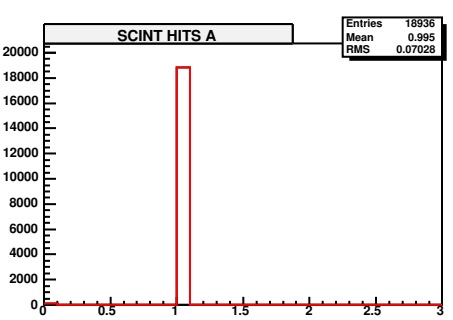


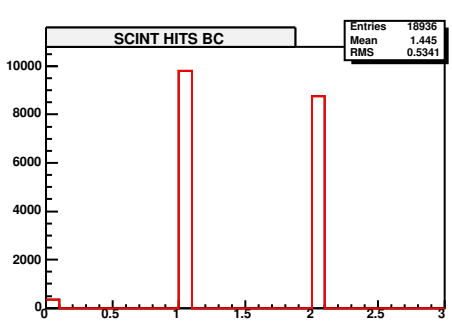




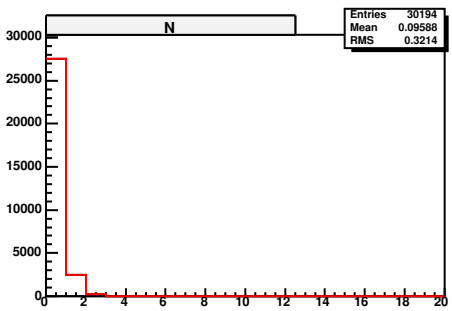


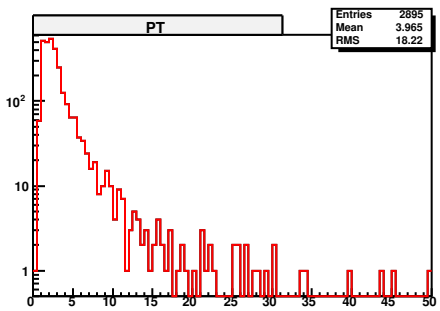


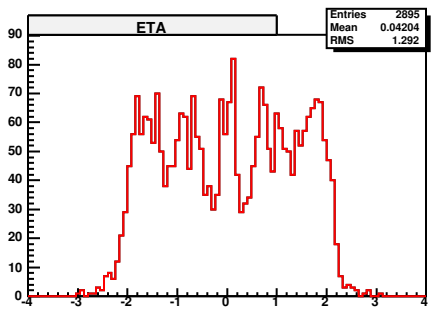


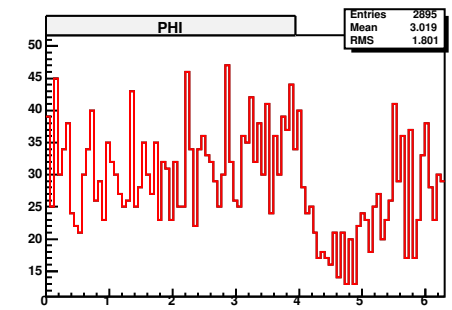


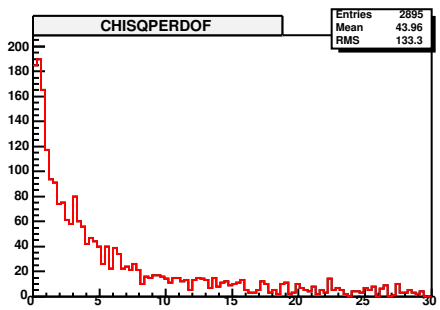
Muons (Matched)

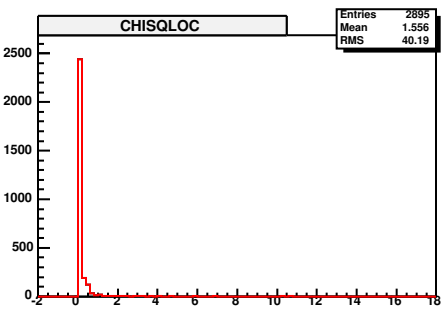

N
Entries 30194
Mean 0.09588
RMS 0.3214

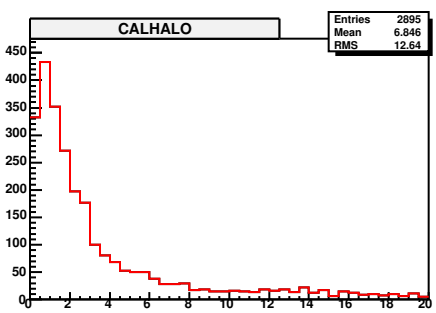

PT
Entries 2895
Mean 3.965
RMS 18.22

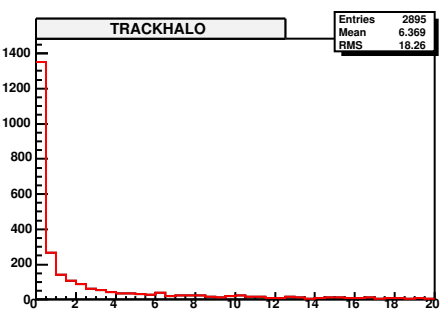

ETA
Entries 2895
Mean 0.04204
RMS 1.292

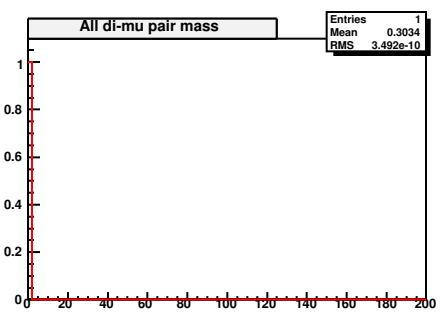

PHI
Entries 2895
Mean 3.019
RMS 1.801

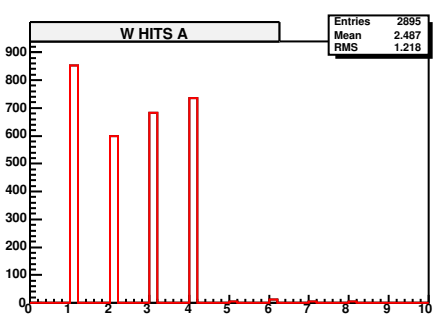

CHISQPERDOF
Entries 2895
Mean 43.96
RMS 133.3

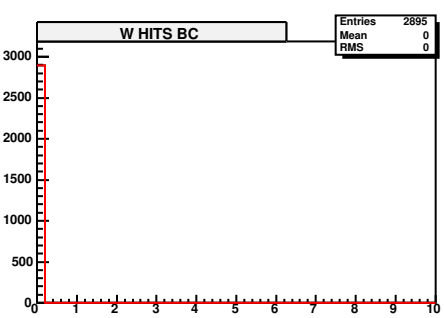

CHISQLOC
Entries 2895
Mean 1.556
RMS 40.19

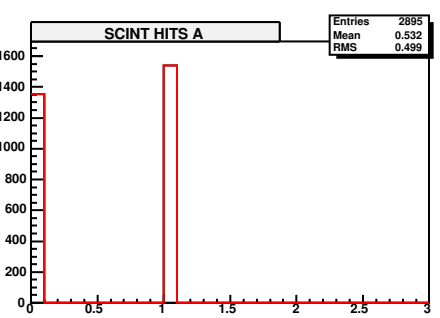

CALHALO
Entries 2895
Mean 6.846
RMS 12.64

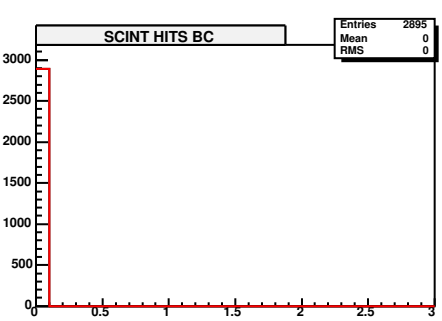

TRACKHALO
Entries 2895
Mean 6.369
RMS 18.26


All di-mu pair mass
Entries 1
Mean 0.3034
RMS 3.492e-10

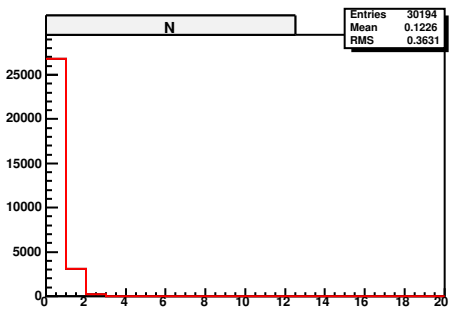

W HITS A
Entries 2895
Mean 2.487
RMS 1.218

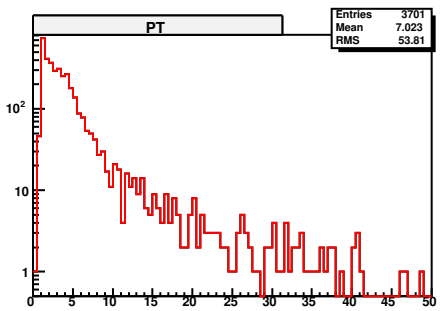

W HITS BC
Entries 2895
Mean 0
RMS 0

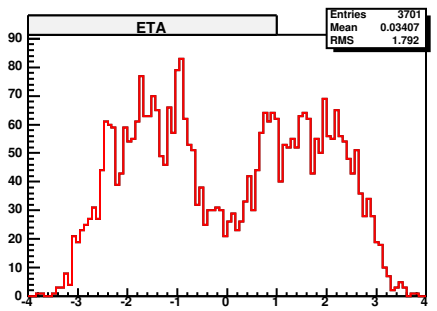

SCINT HITS A
Entries 2895
Mean 0.532
RMS 0.499

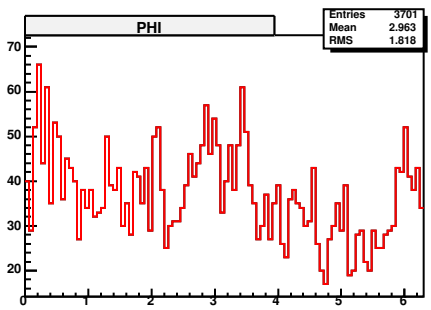

SCINT HITS BC
Entries 2895
Mean 0
RMS 0

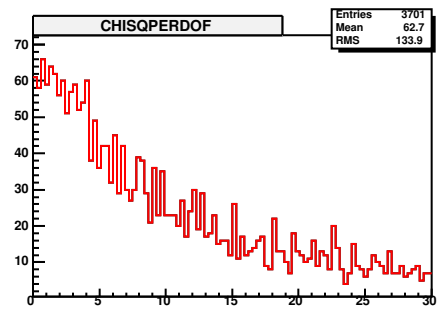
Muons (Astub)

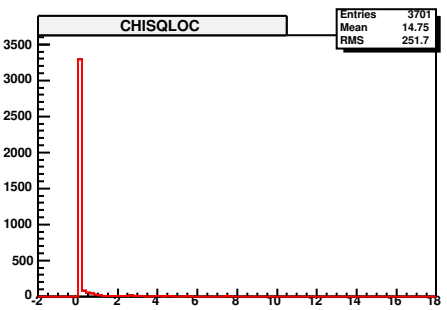


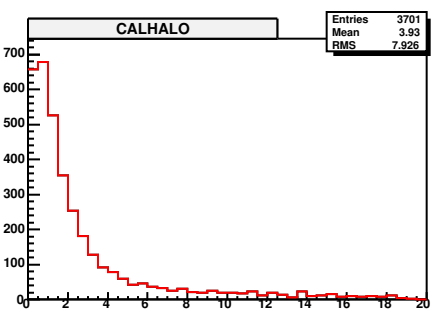


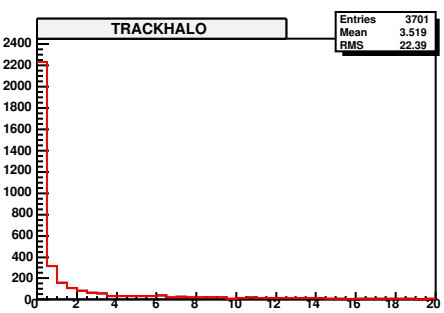


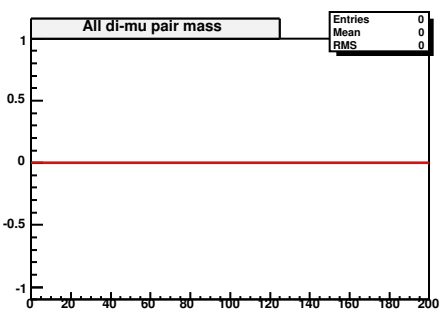


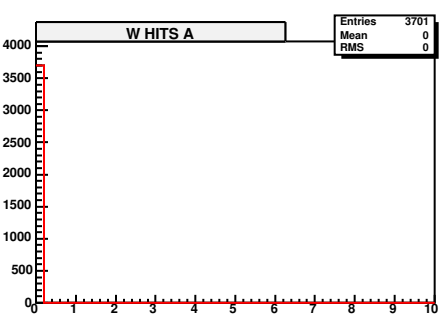


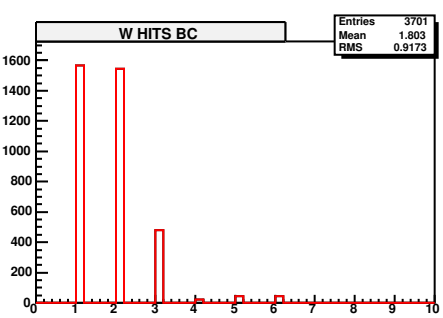


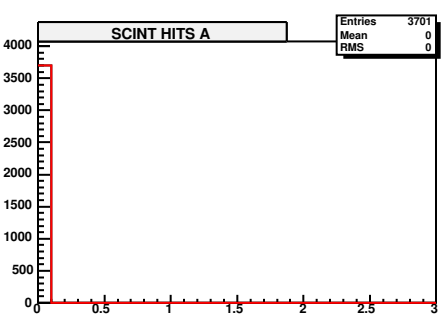


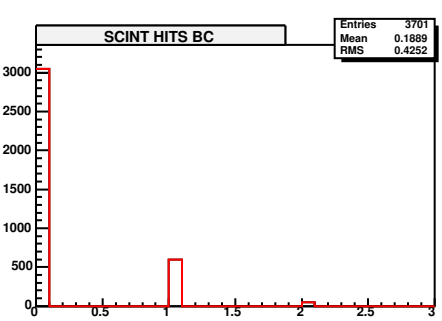




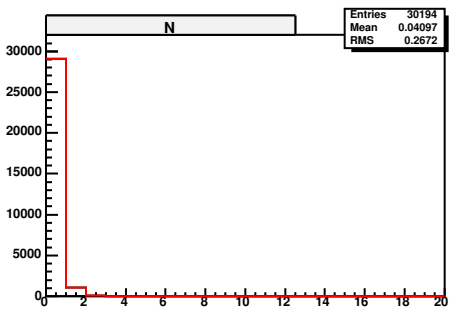


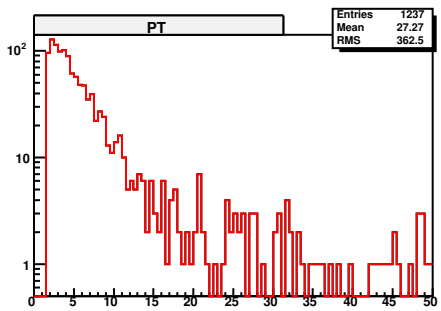


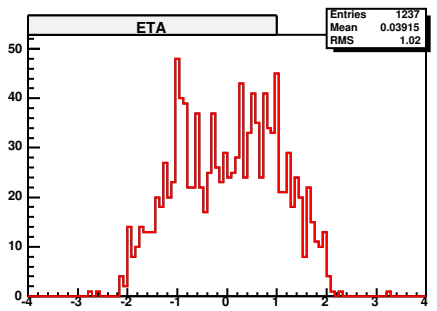


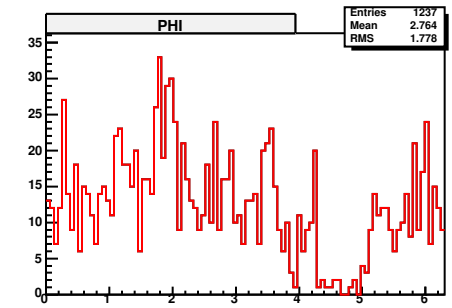


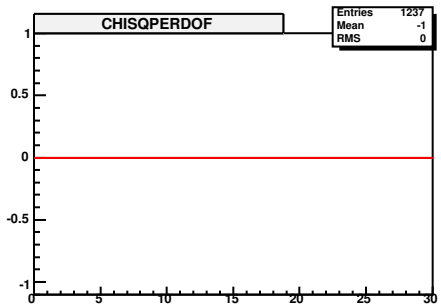
Muons (BCstub)

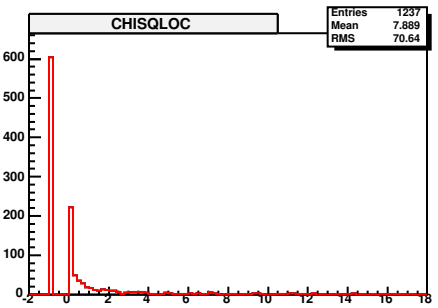


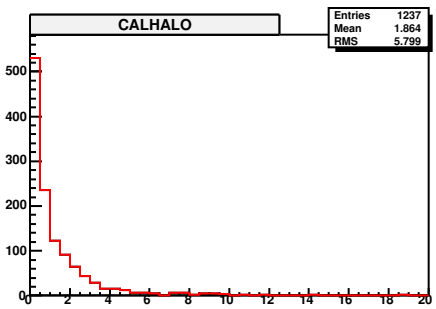


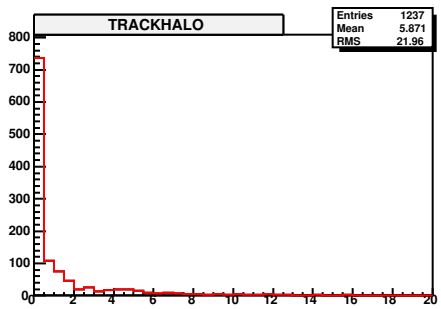


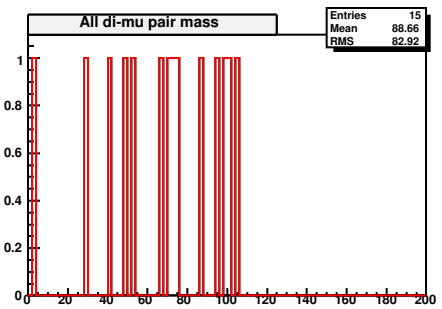


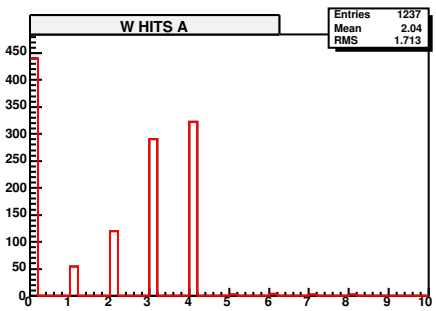


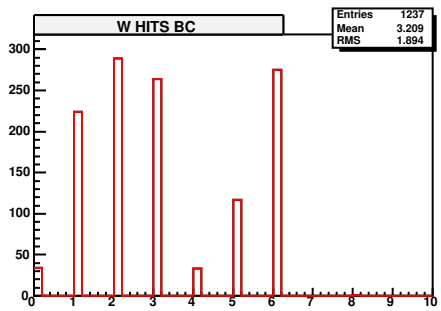


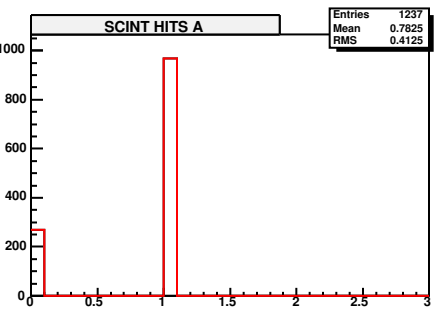


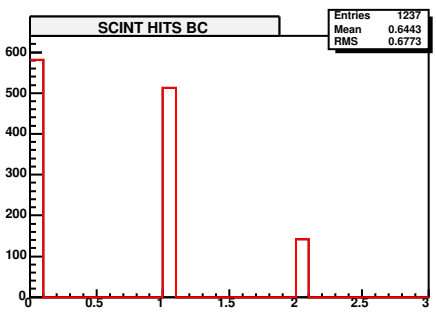




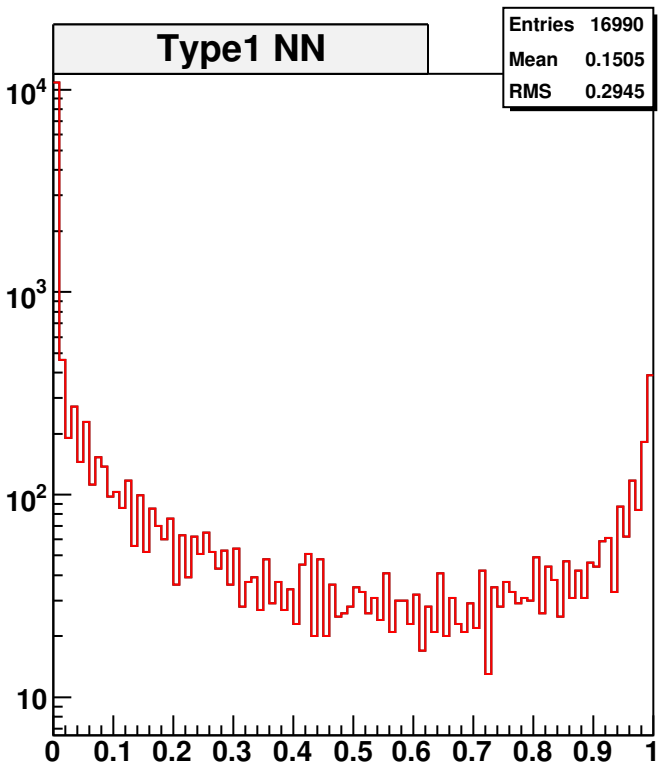


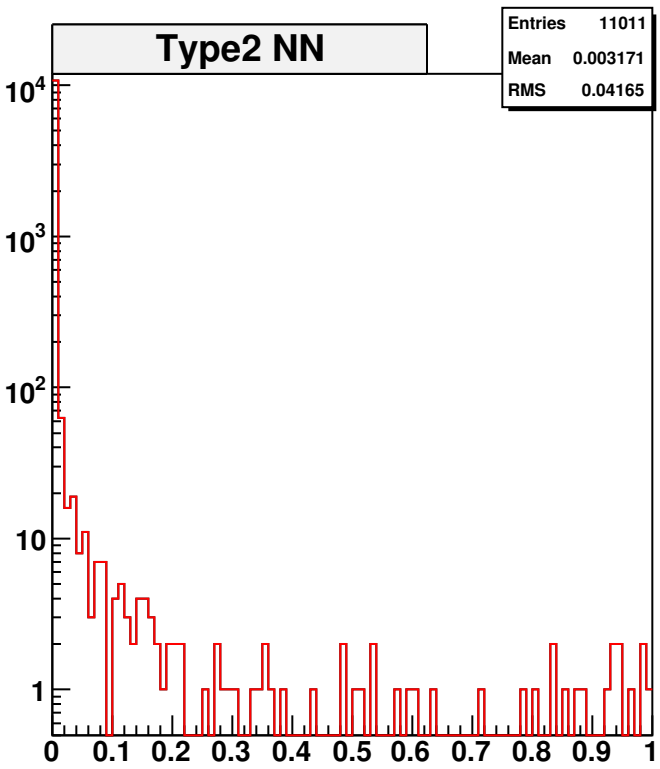


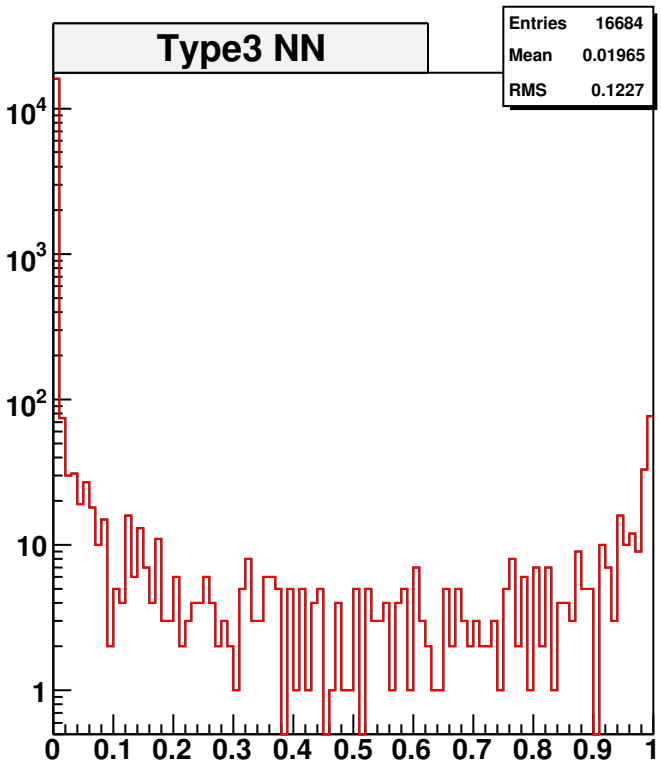


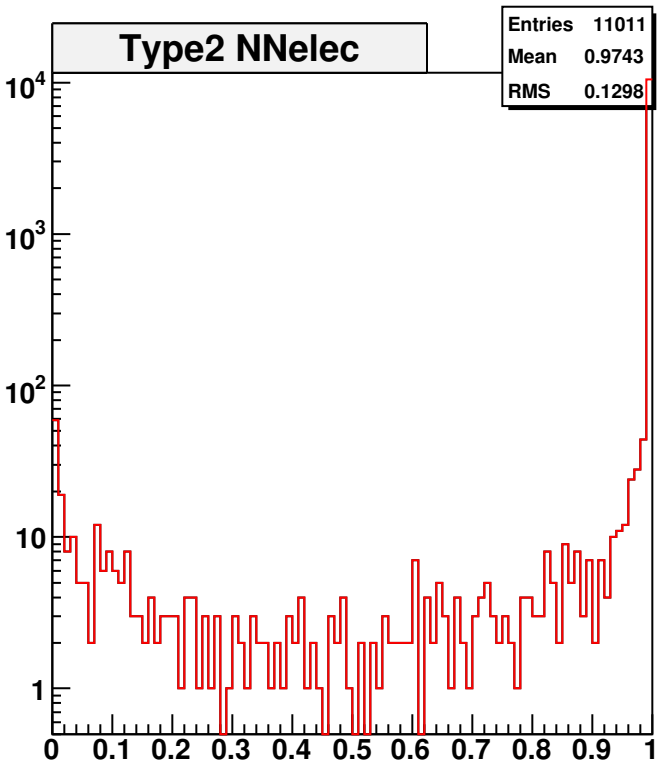


Muons (Unmatched)

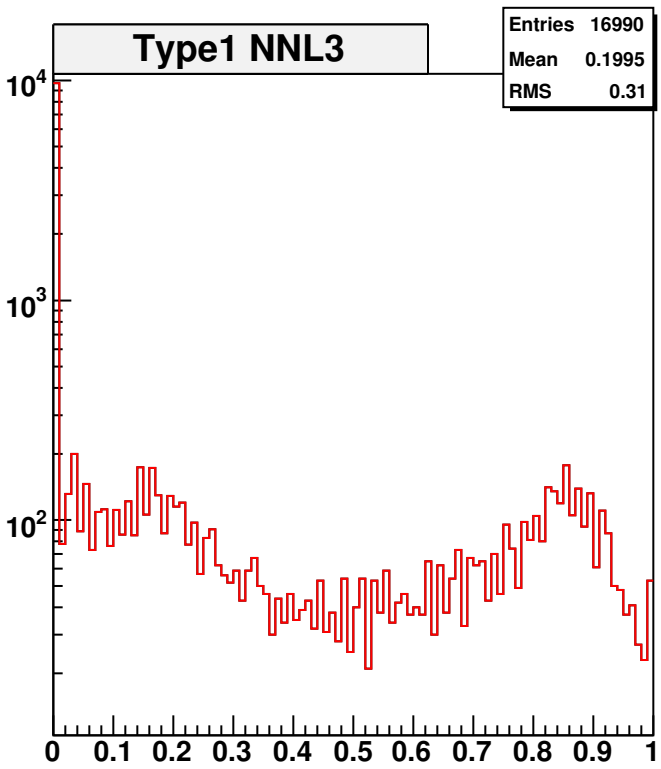


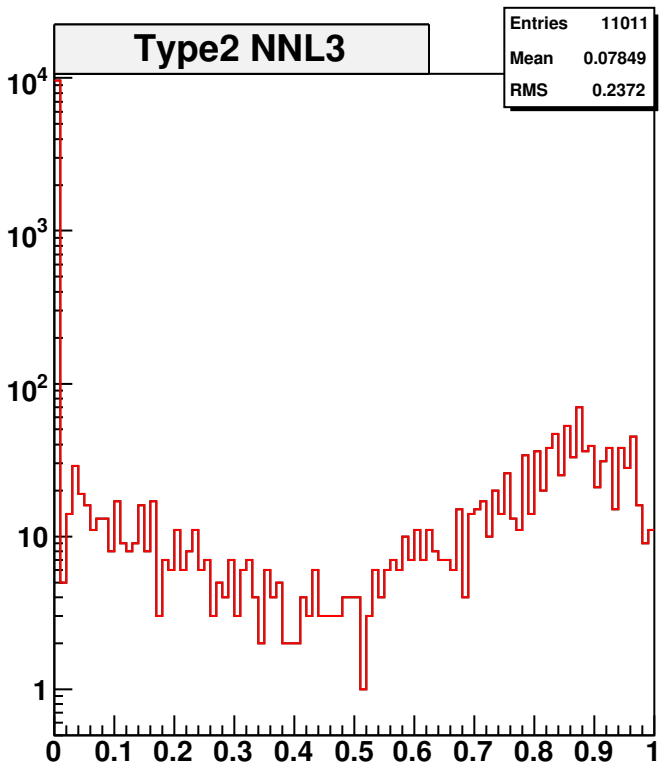


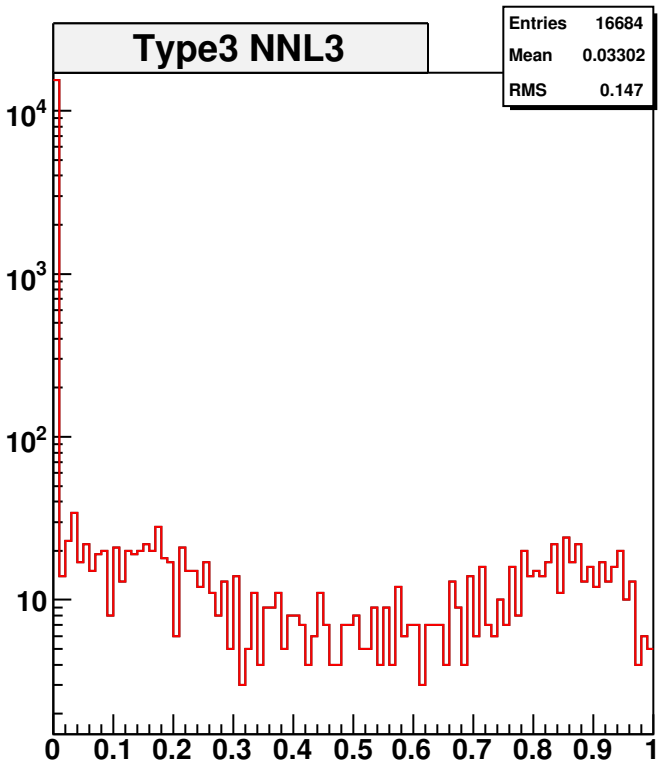


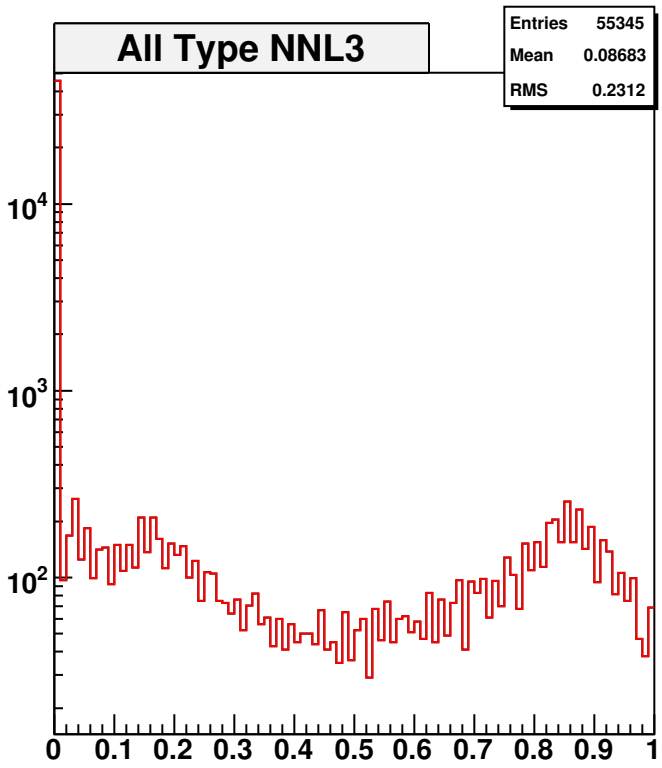


Taus NN (TAU All)

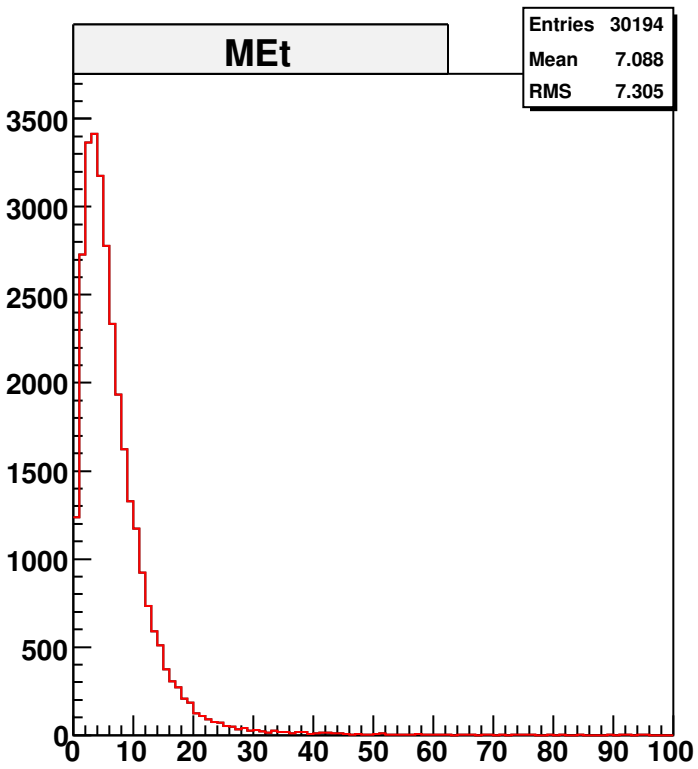


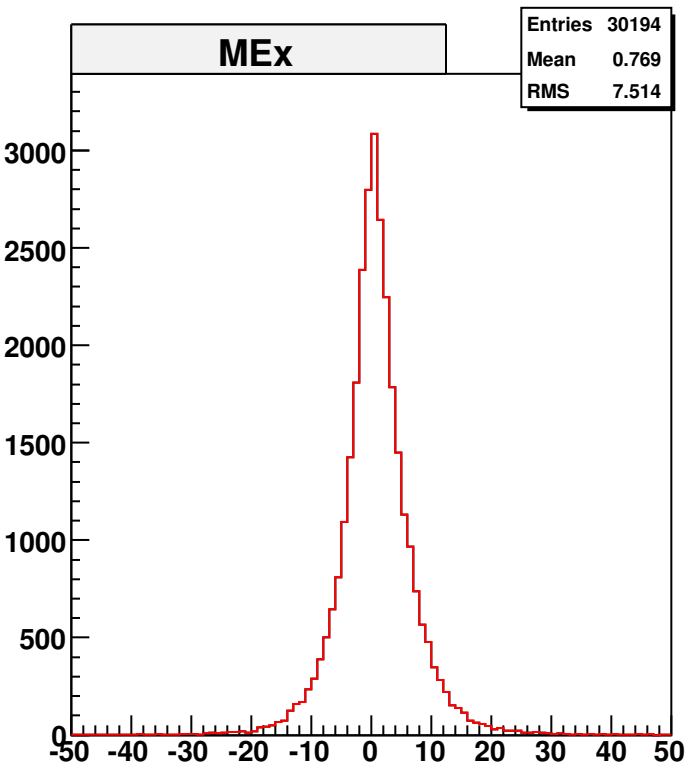






Taus NNL3 (TAU All)


MEt
Entries 30194
Mean 7.088
RMS 7.305
3500
3000
2500
2000
1500
1000
500
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 30194
Mean 0.769
RMS 7.514
3000
2500
2000
1500
1000
500
0
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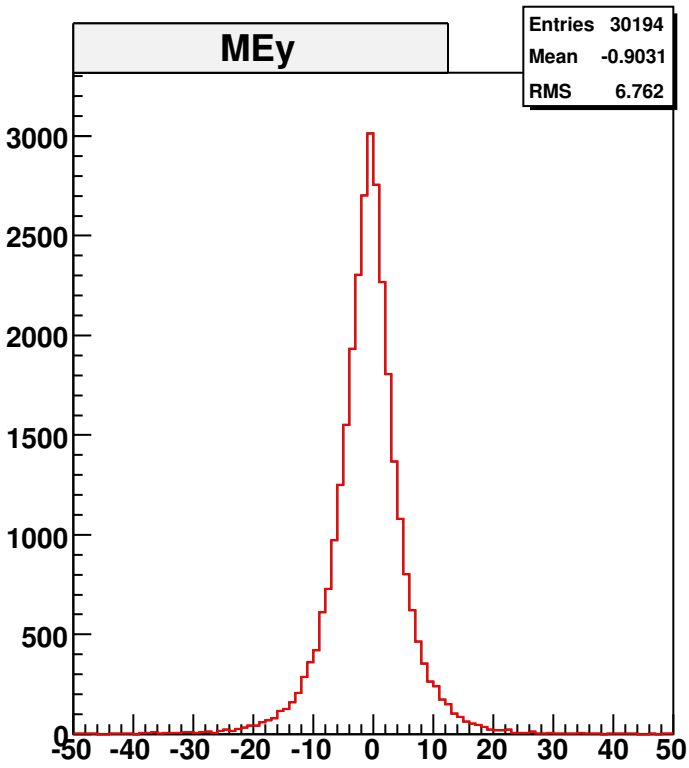
MEy
Entries 30194
Mean -0.9031
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1000
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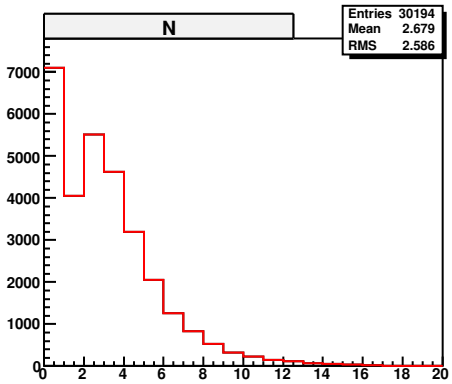
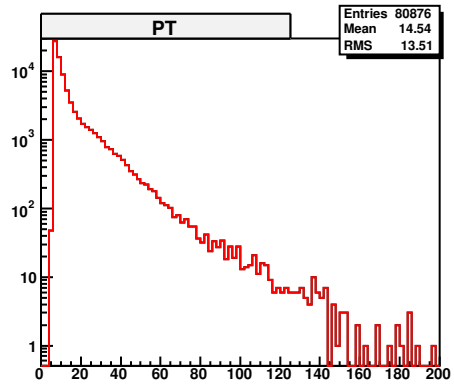
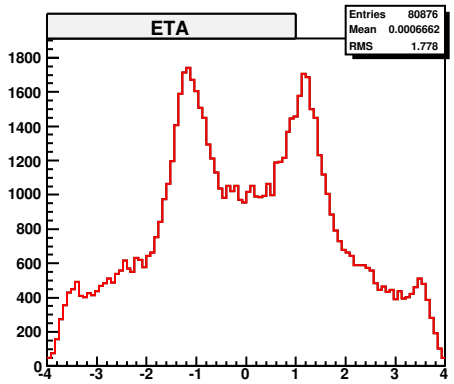
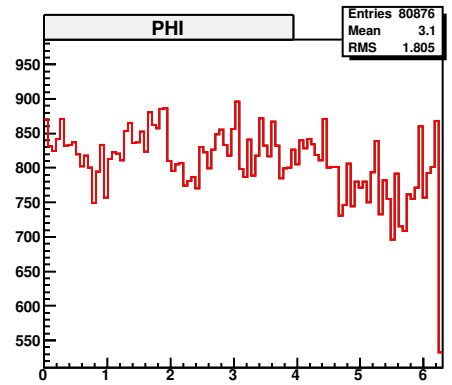
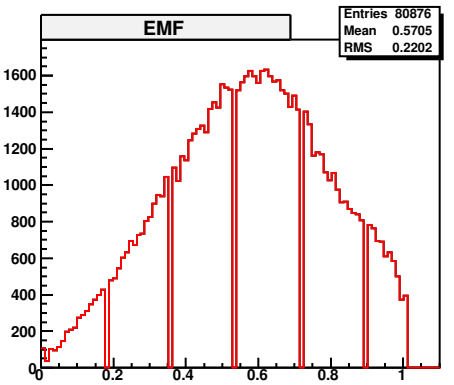
Met (No cuts)

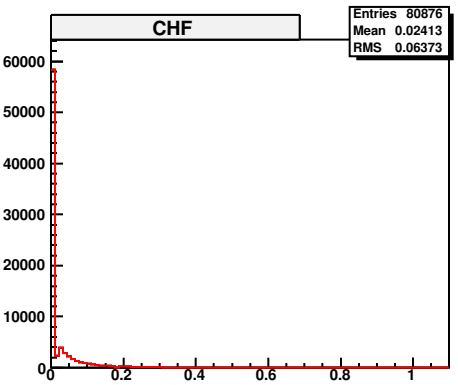


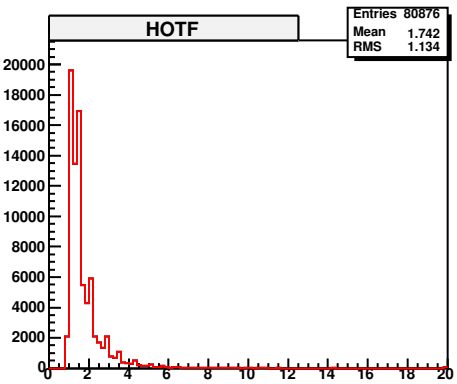


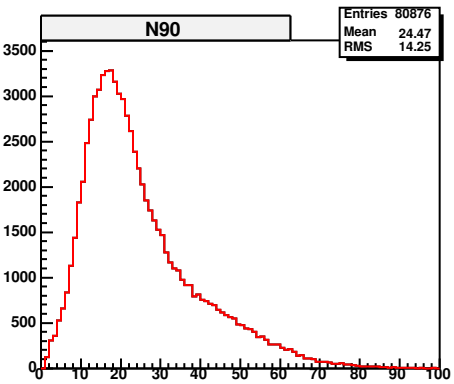


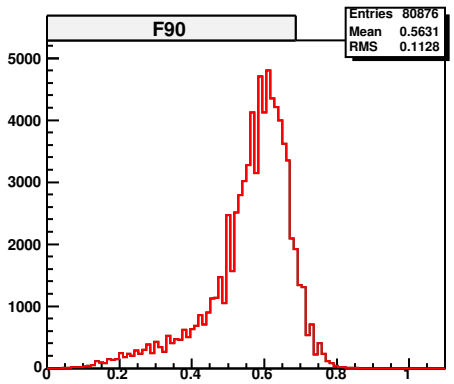


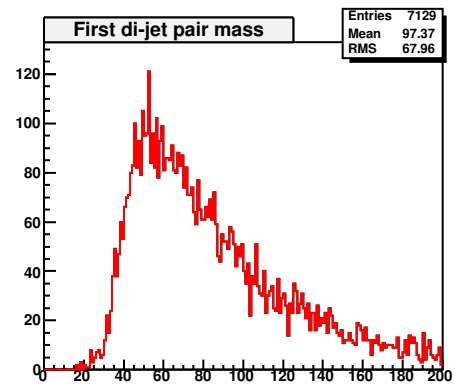


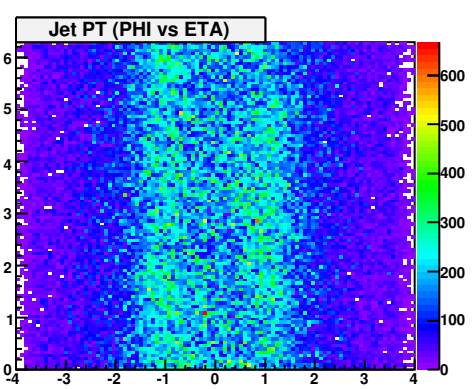




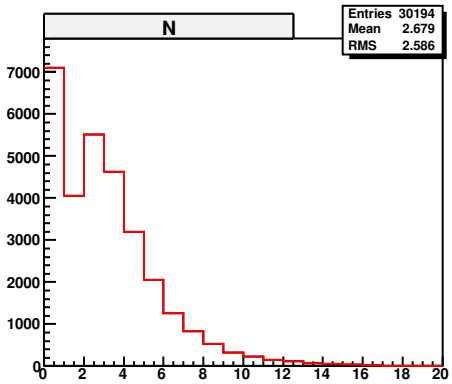


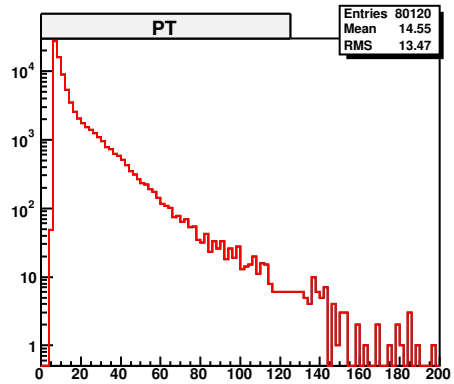


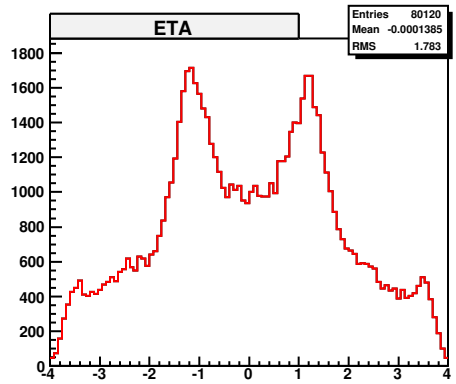


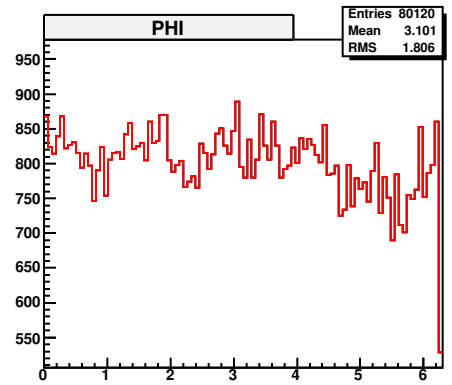


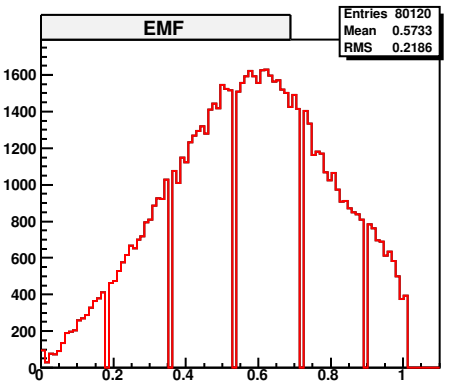
Jets (Cone R 0.7 (no cuts))

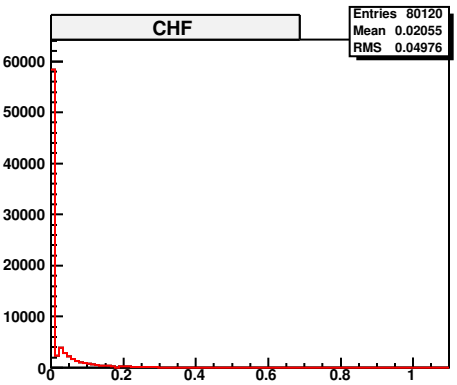


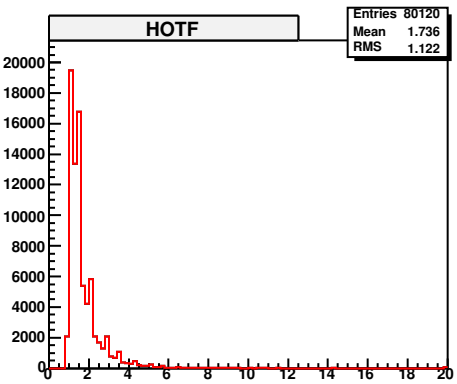


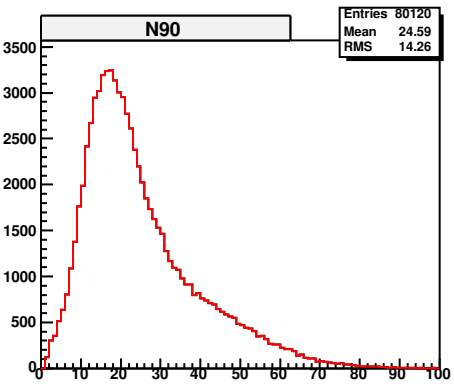


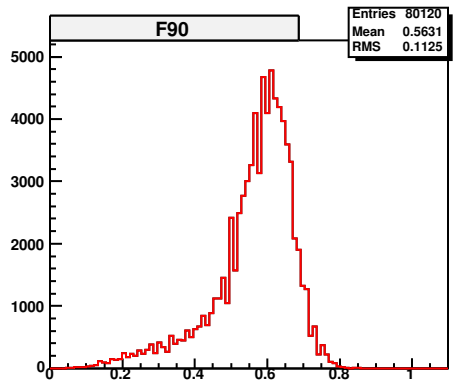


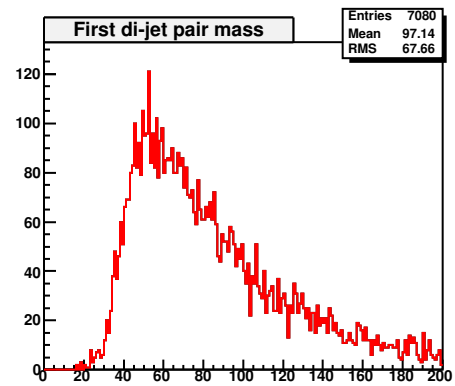


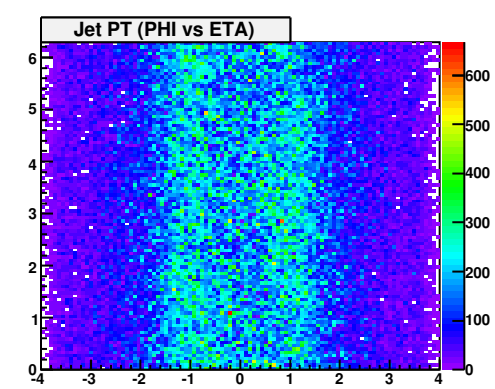




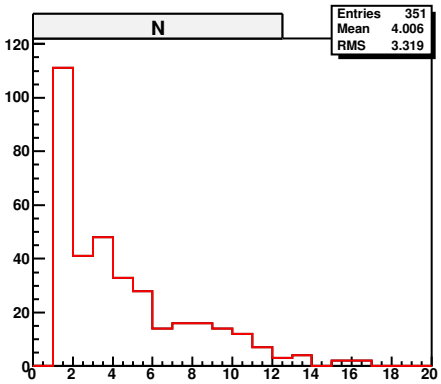


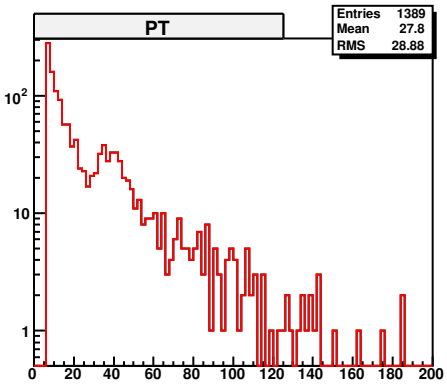


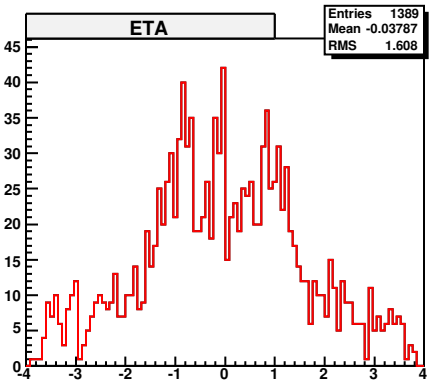


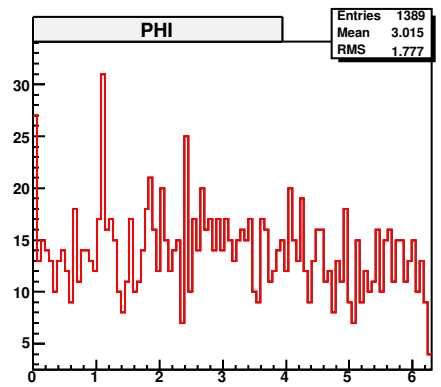


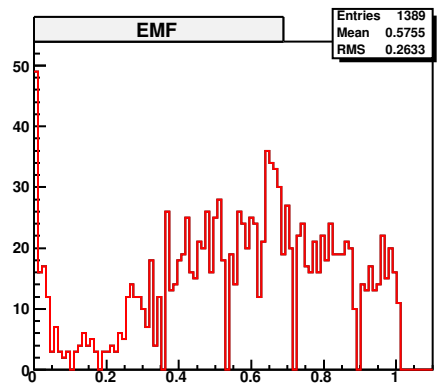
Jets (Cone R 0.7 (standard cuts))

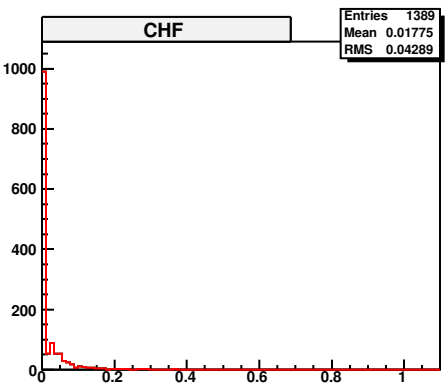


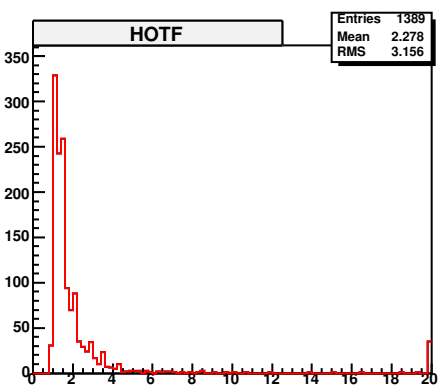


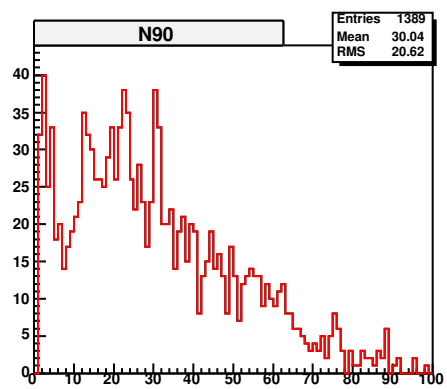


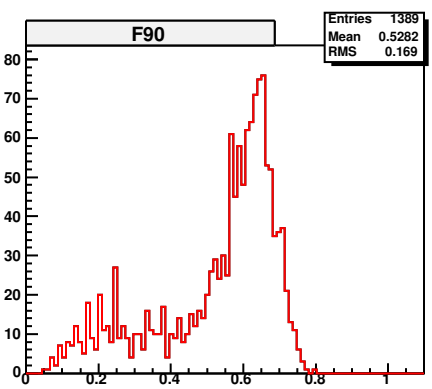


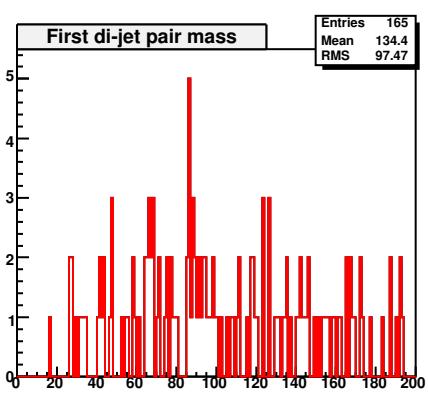


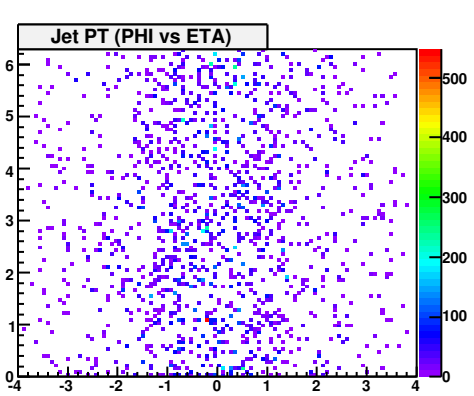




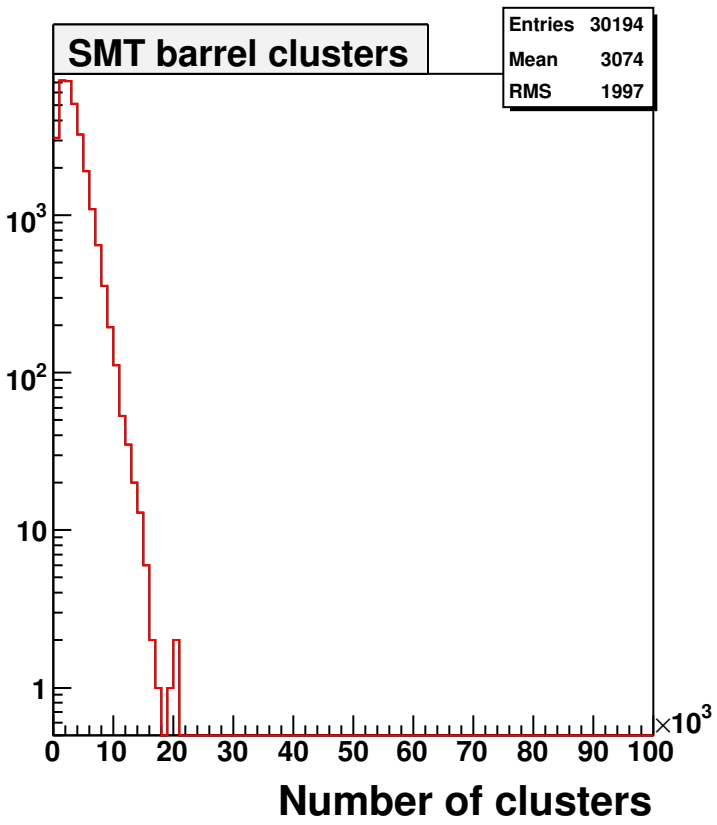


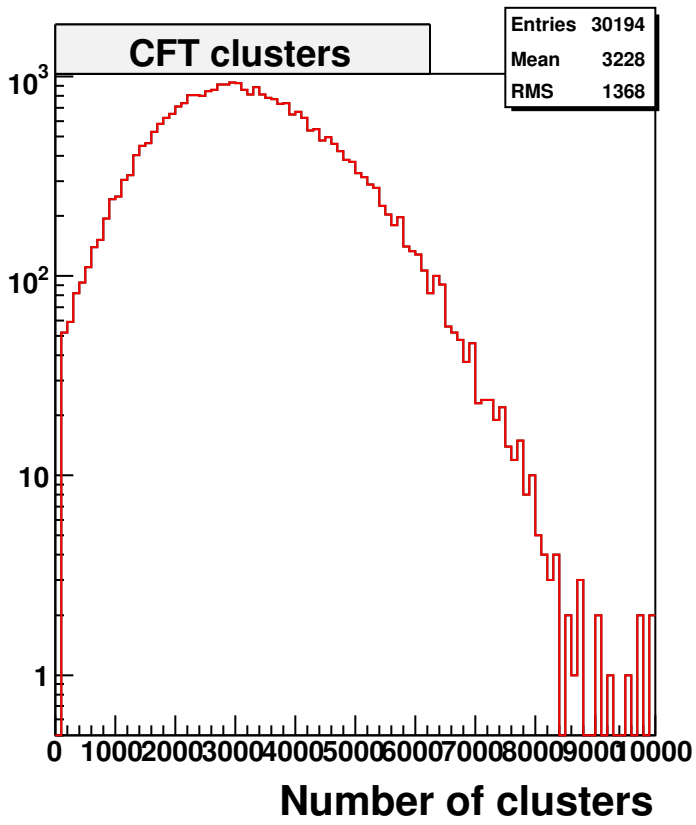


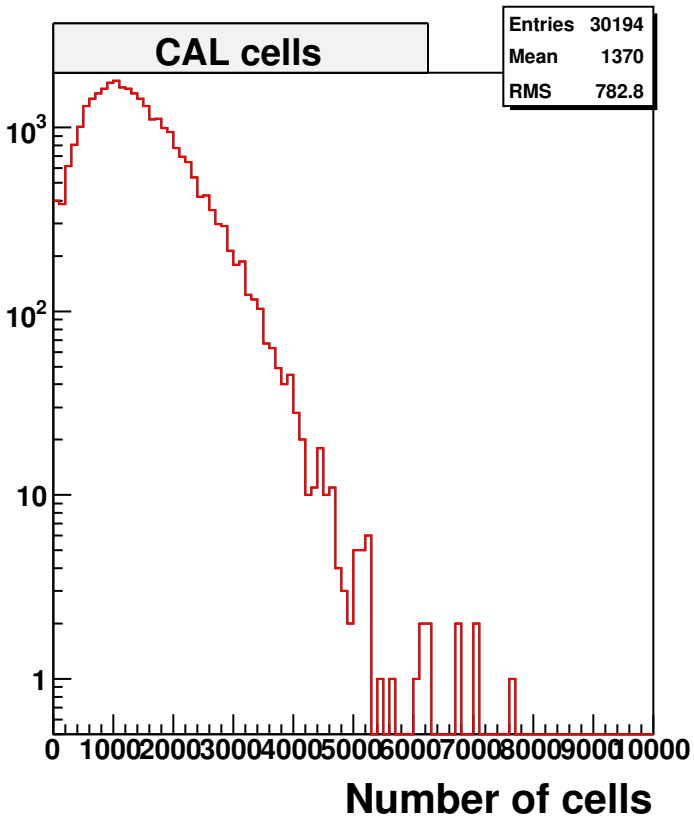


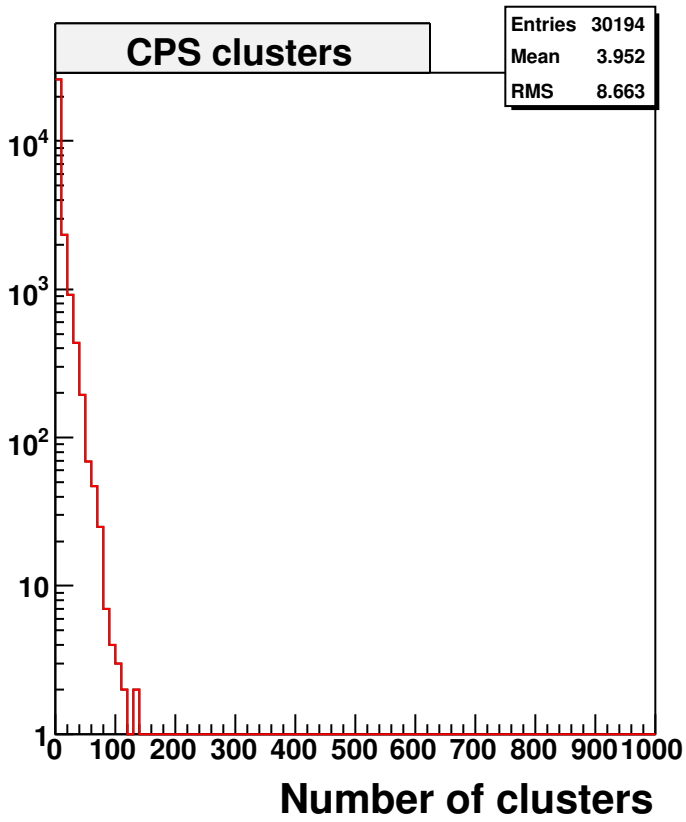


Jets (Cone R 0.7 (standard cuts, MET>30))

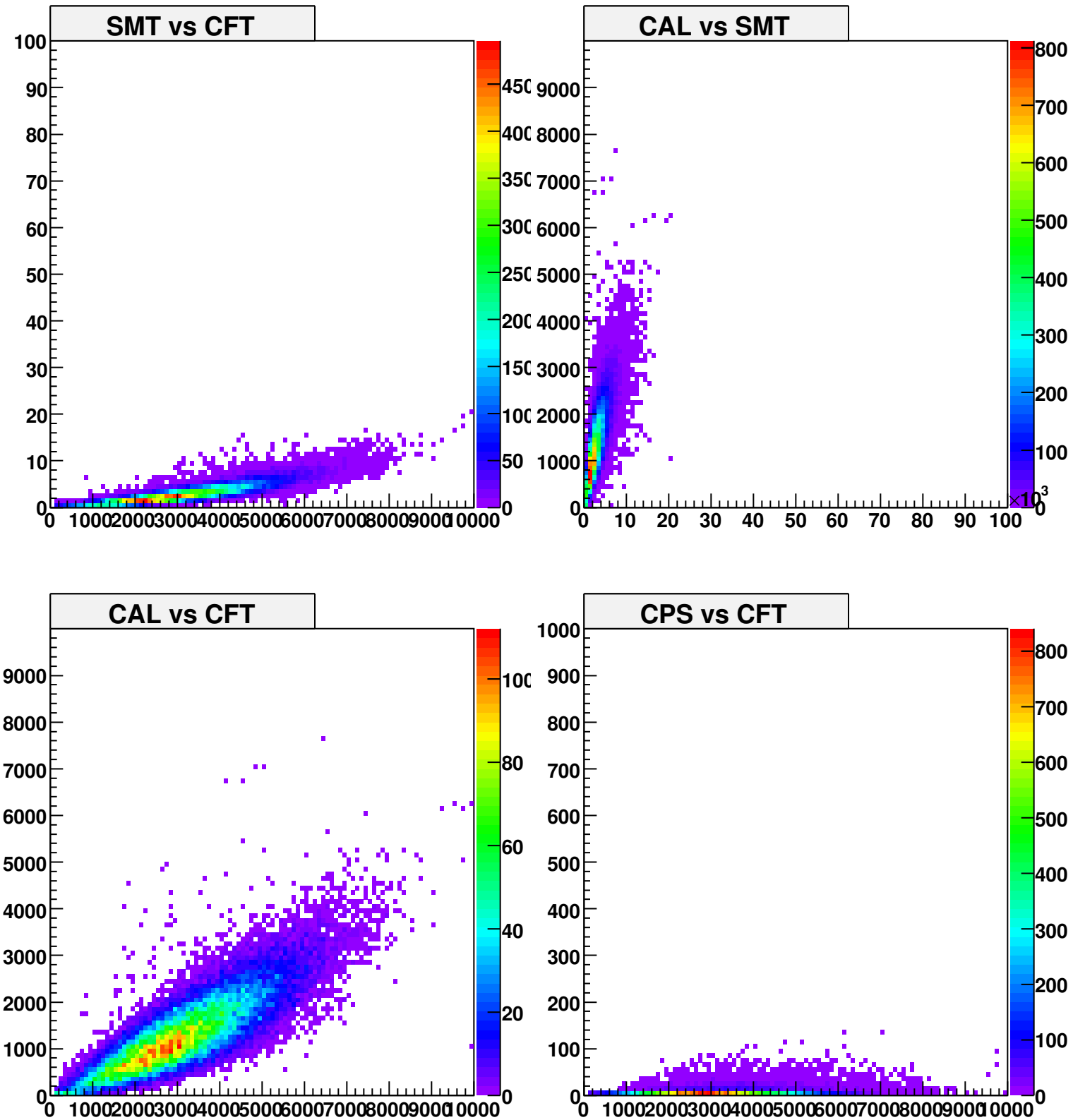


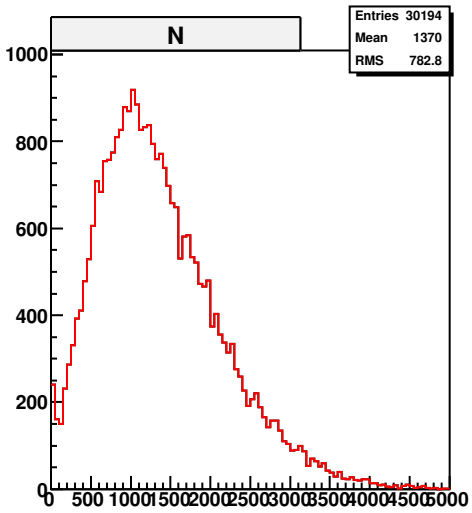


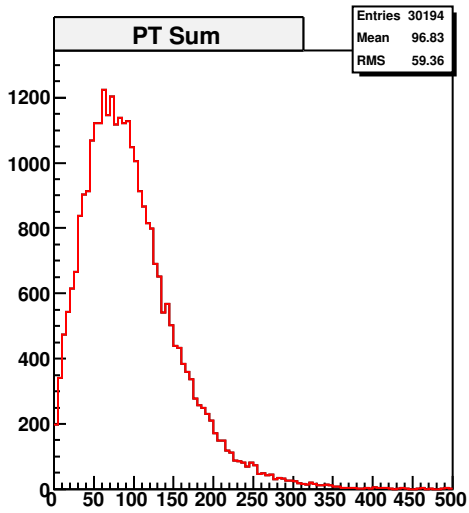


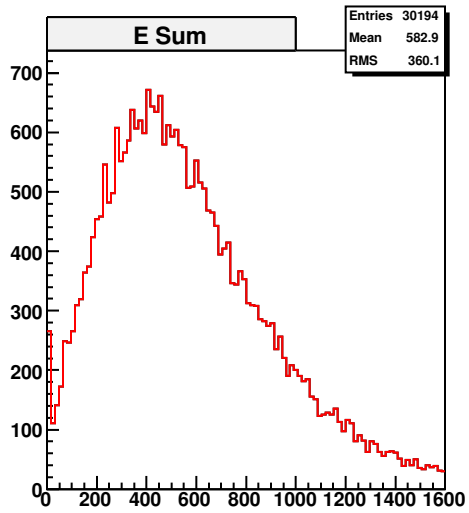


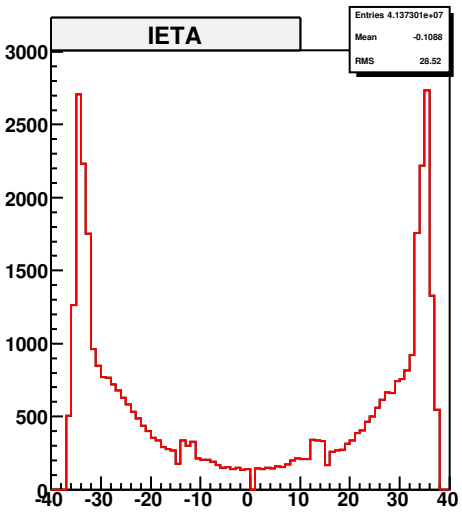
Detector Occupancy (Detector)

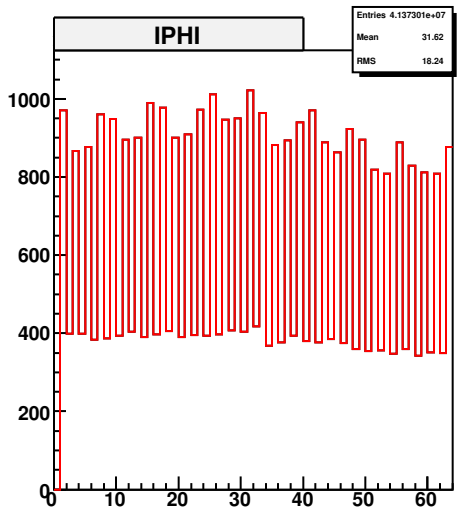

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

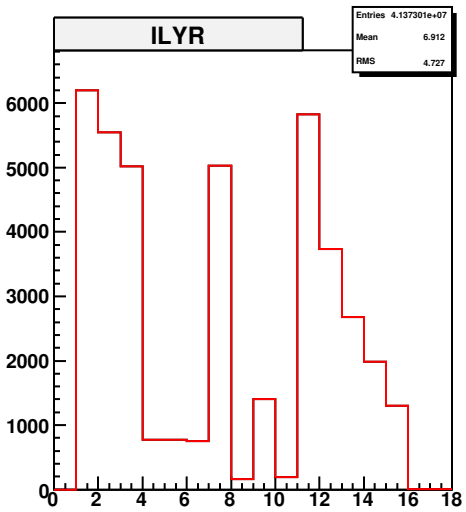


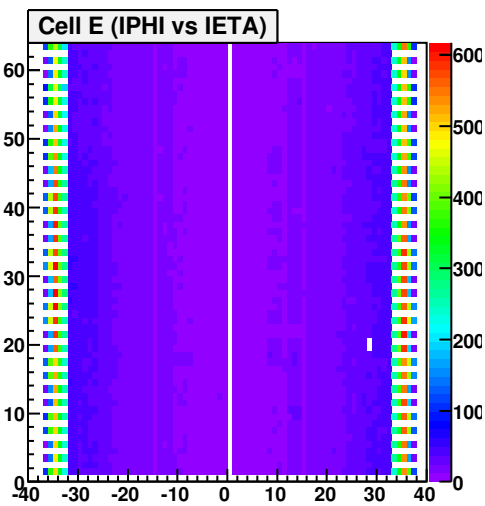


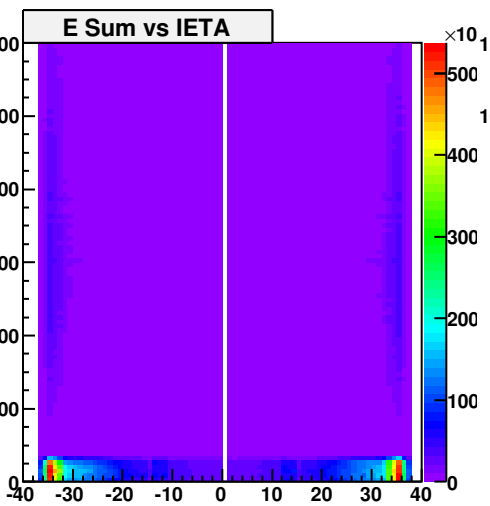


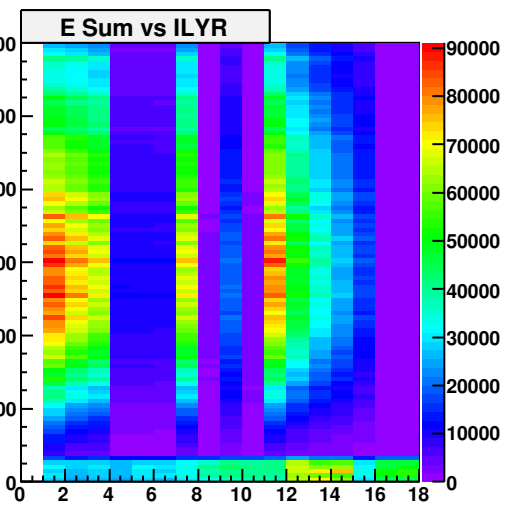




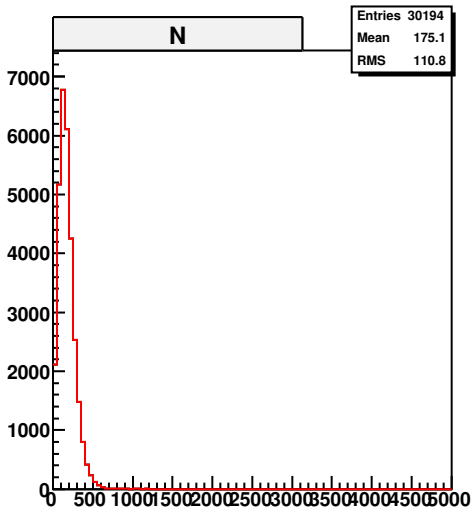


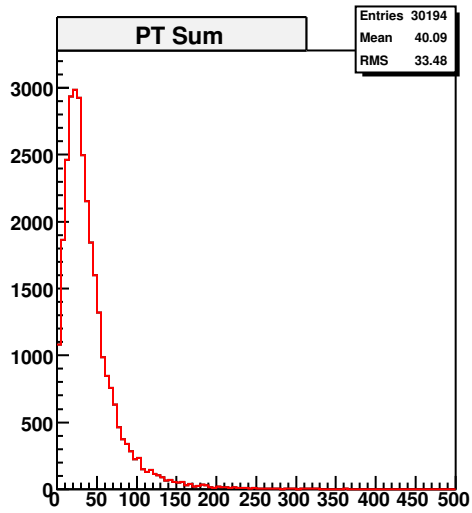


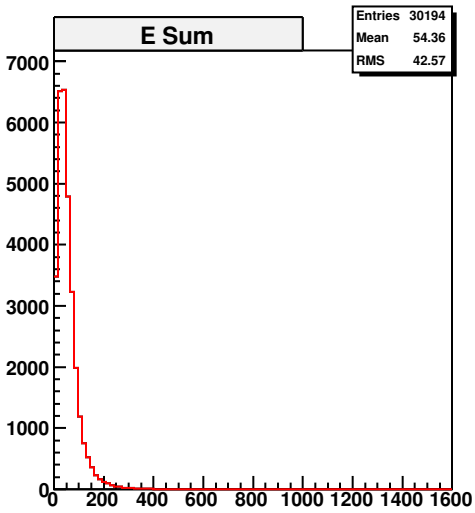


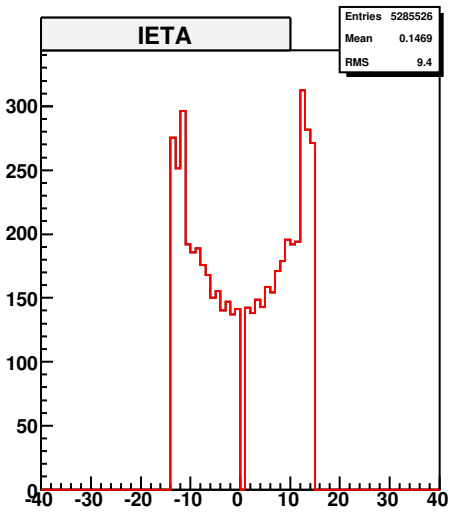


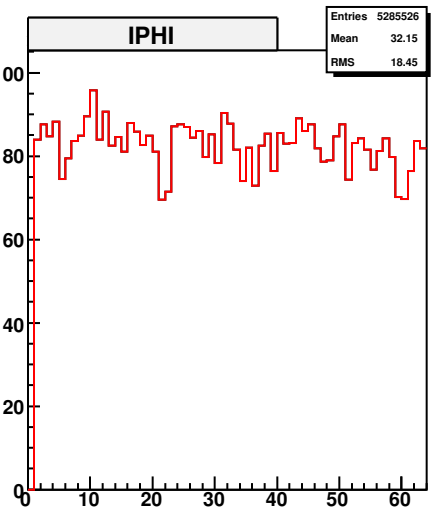
Calorimeter (All cells)

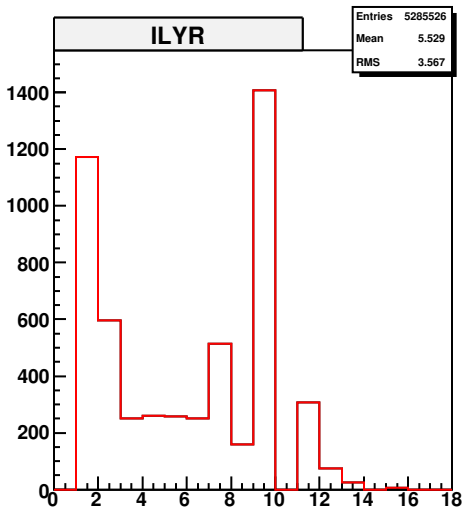


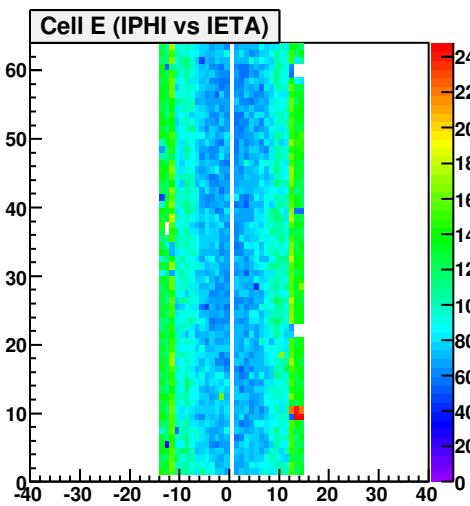


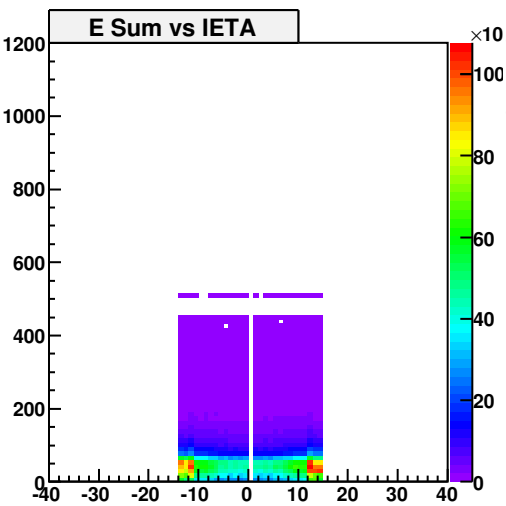


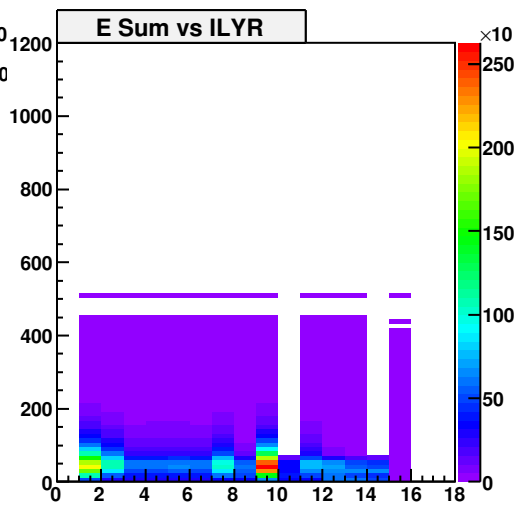




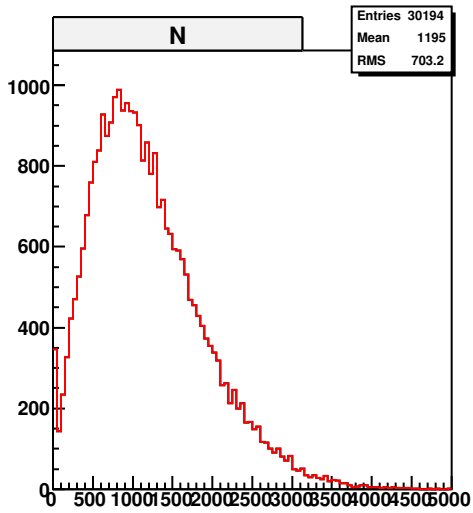


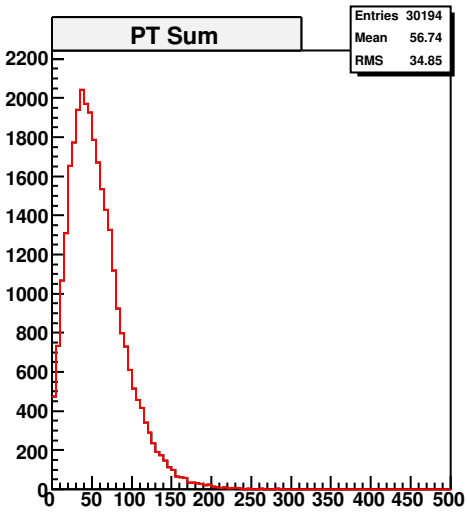


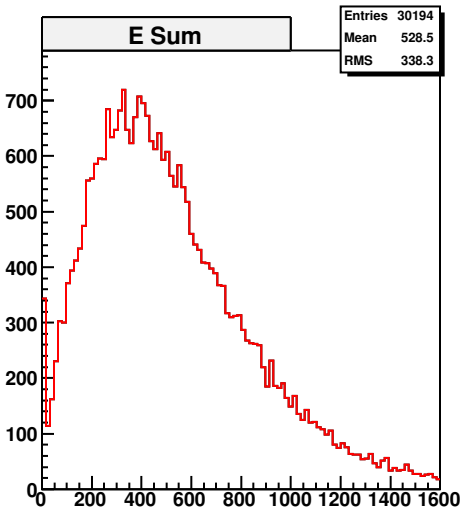


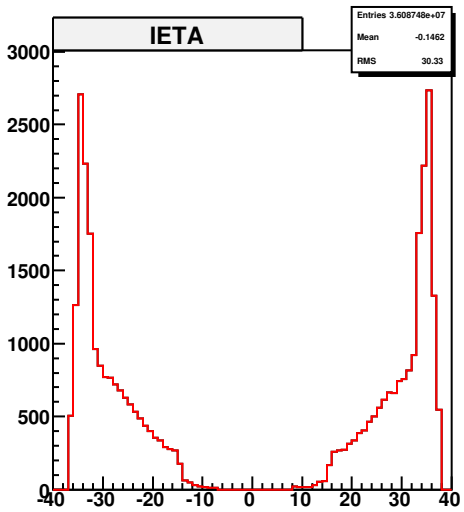


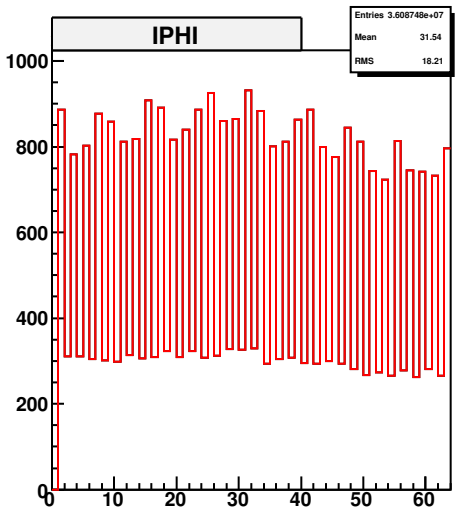
Calorimeter (All CC cells)

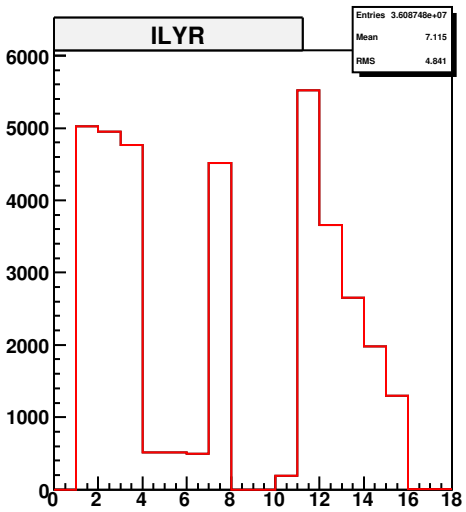


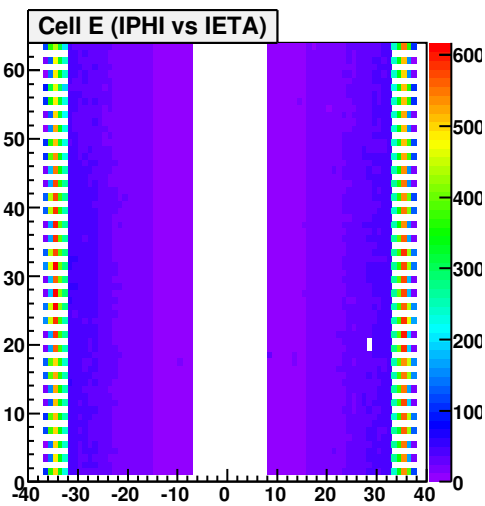


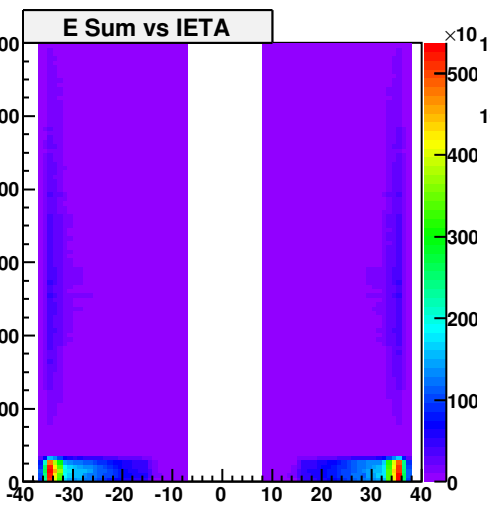


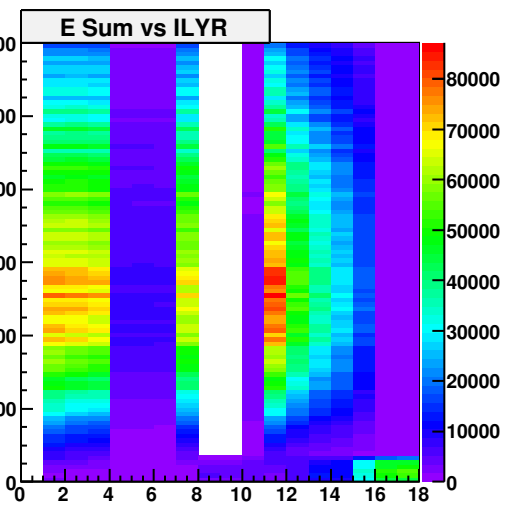




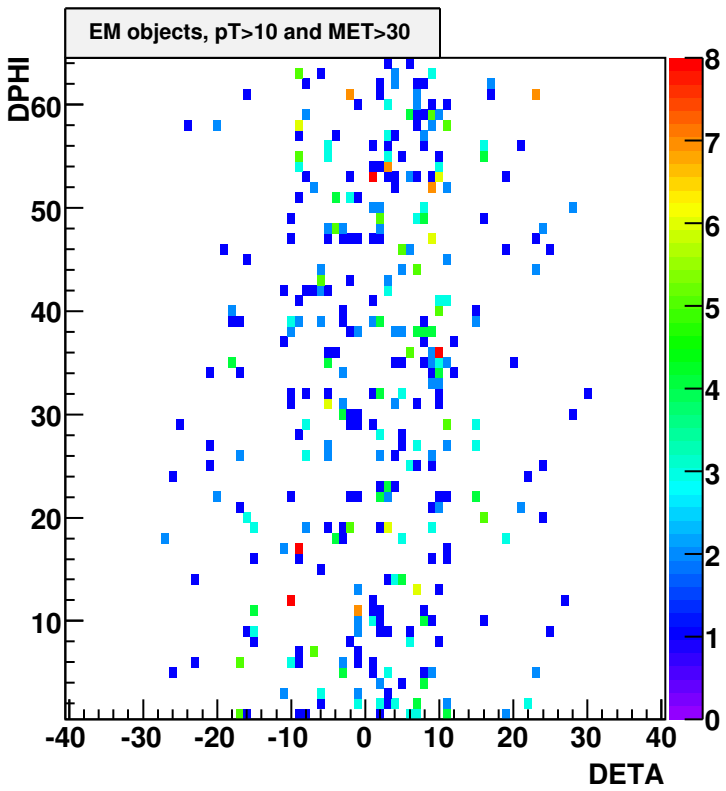


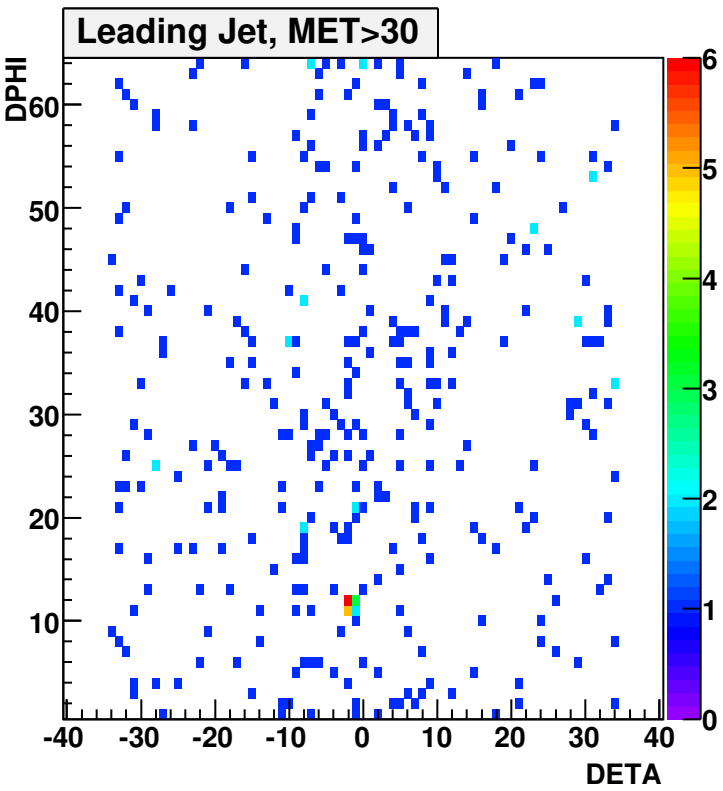


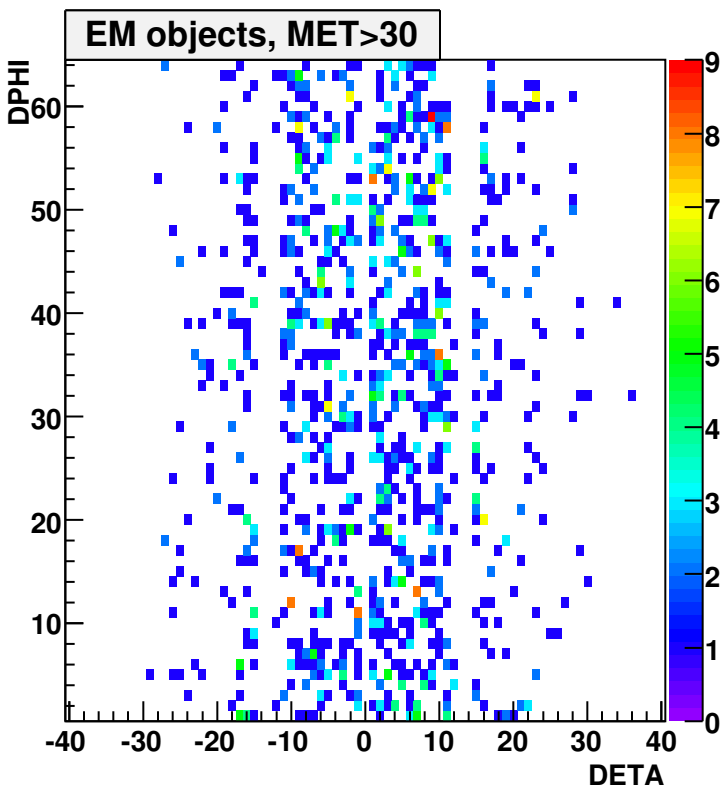


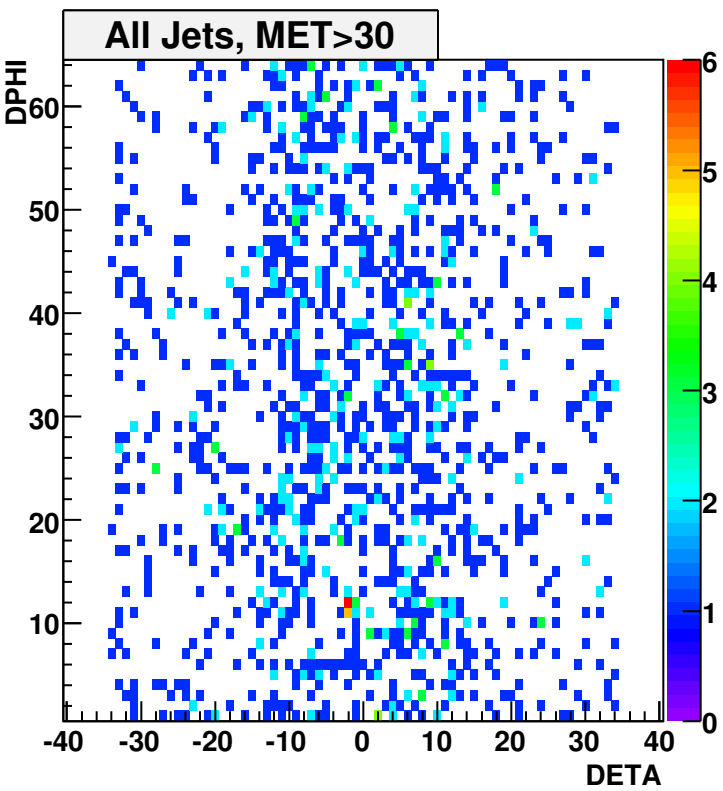


Calorimeter (All EC cells)

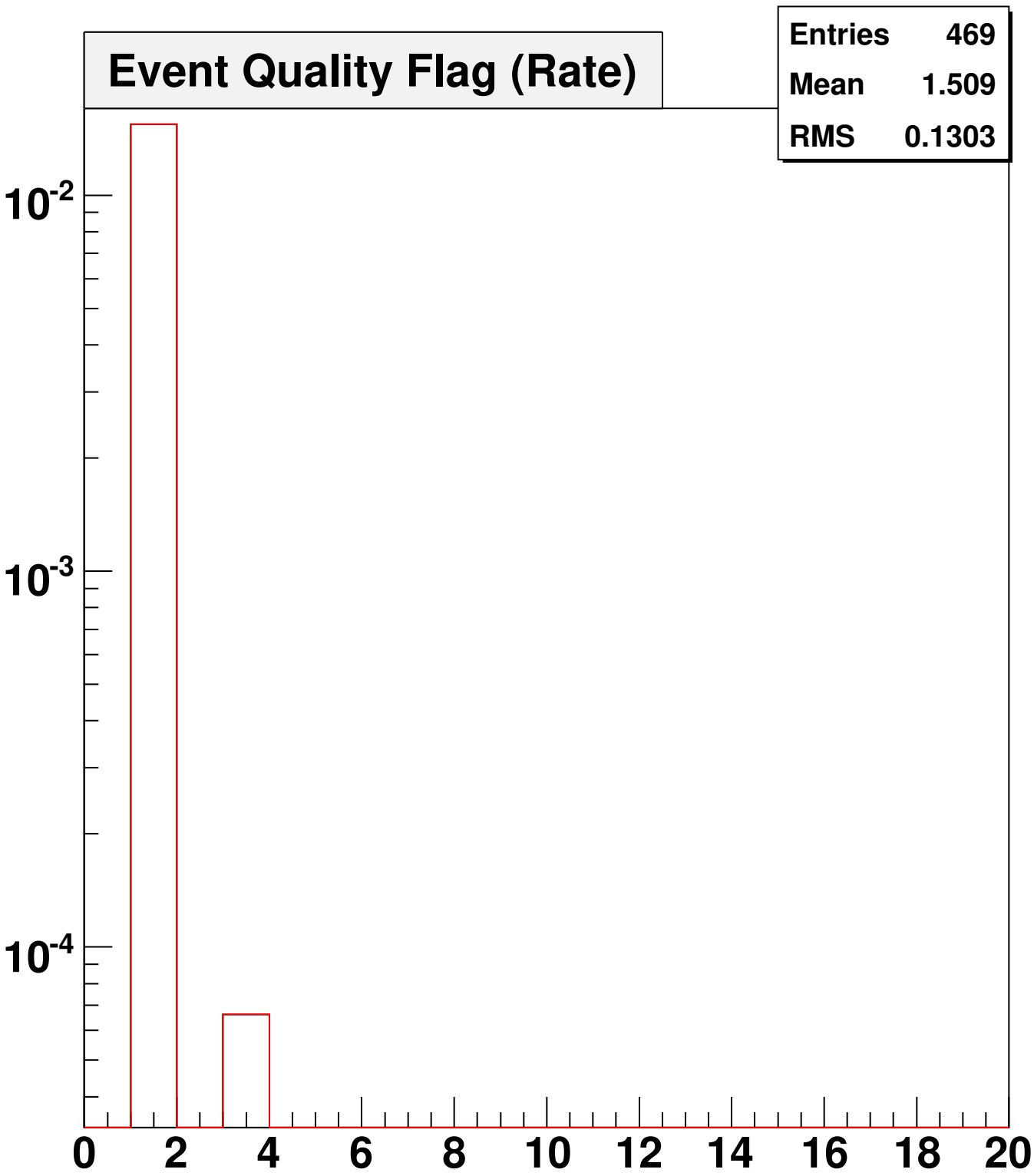


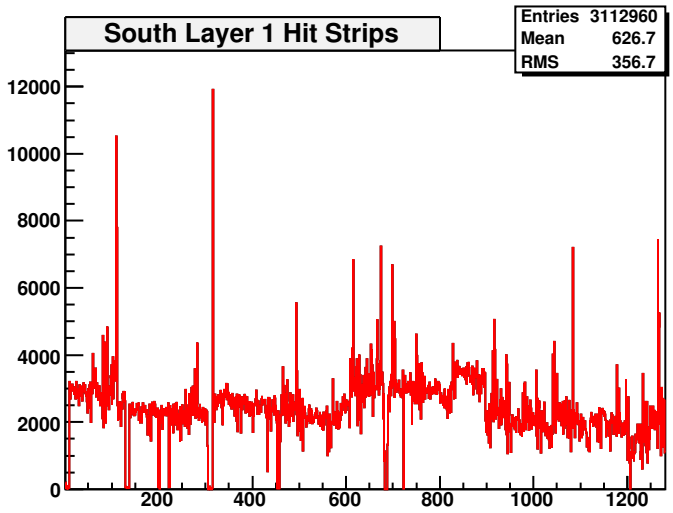


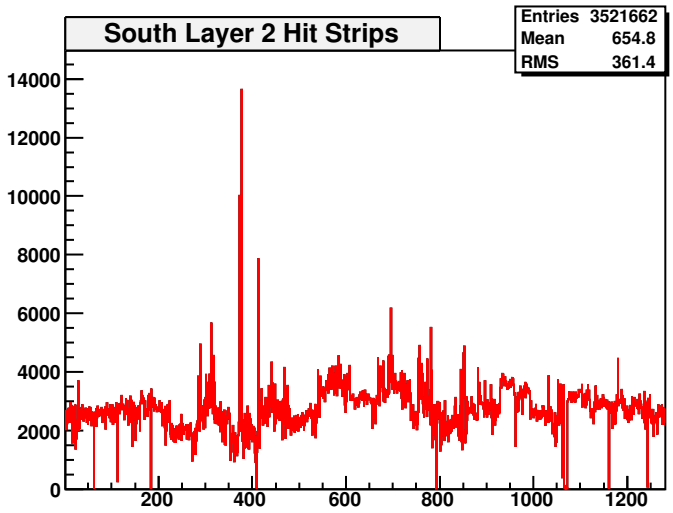


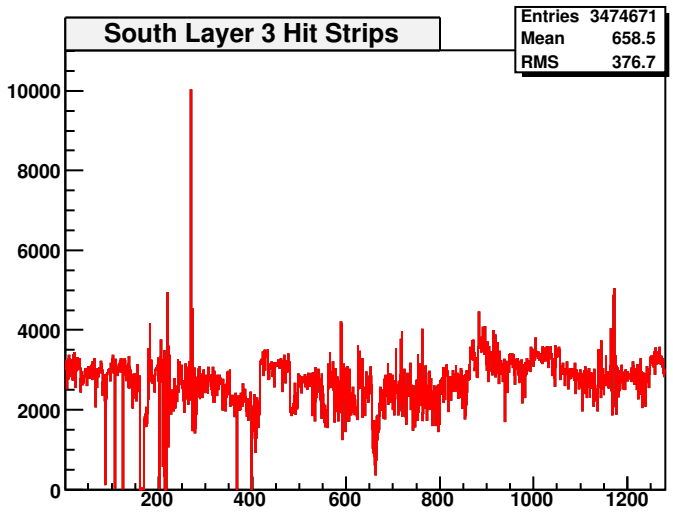


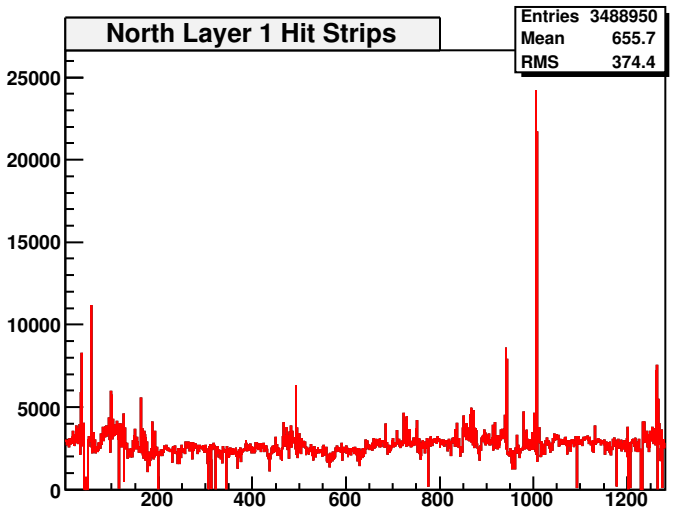
Cal Objects with MET>30 (All cells)

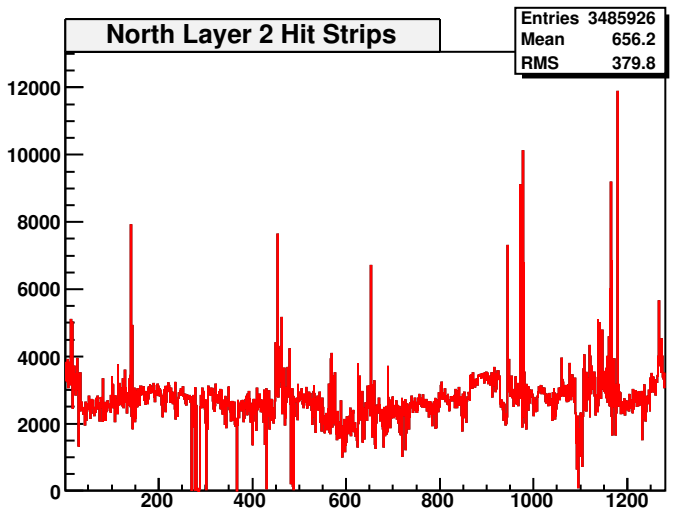

Event Quality Flag (Rate)
Entries 469
Mean 1.509
RMS 0.1303
10-2
10-3
10-4
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

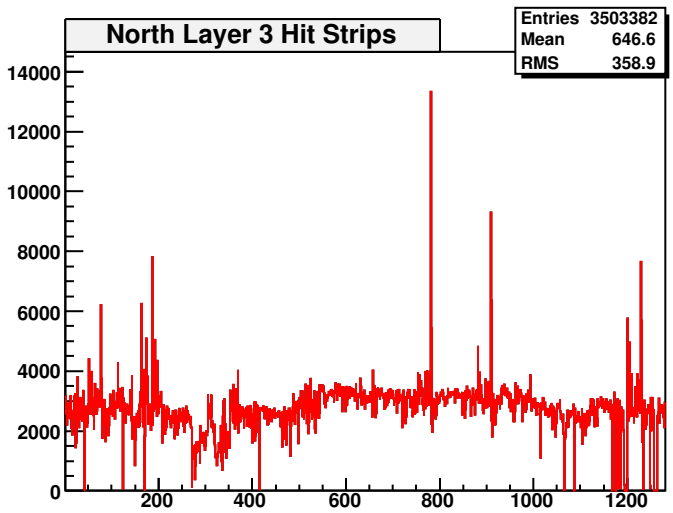




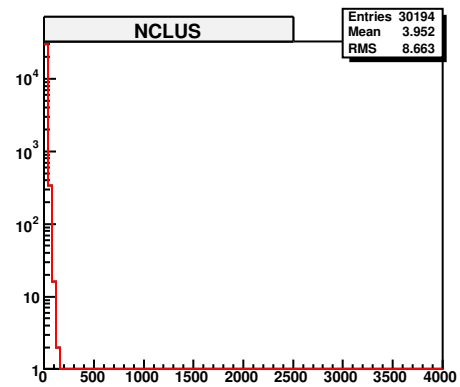


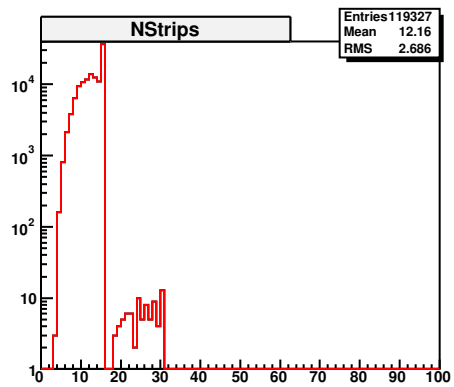


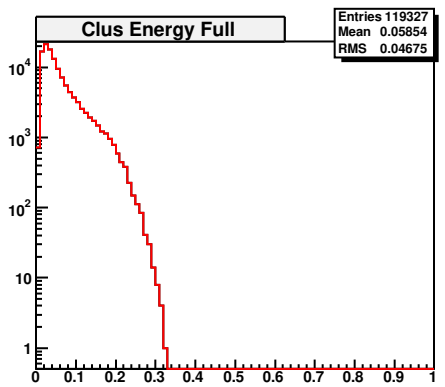


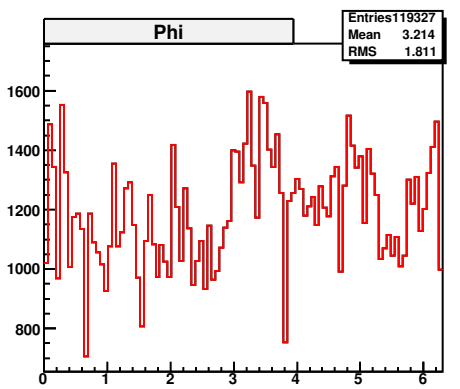


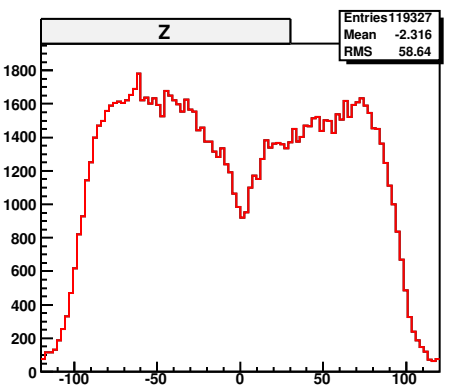
CPS Hit Strips (All Clusters)

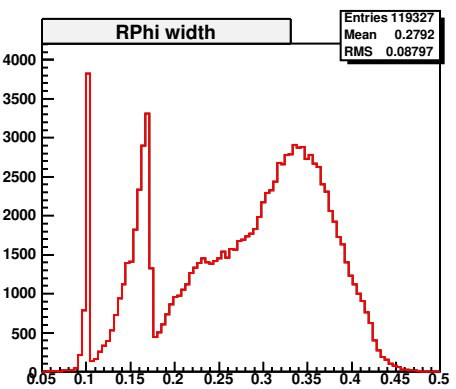


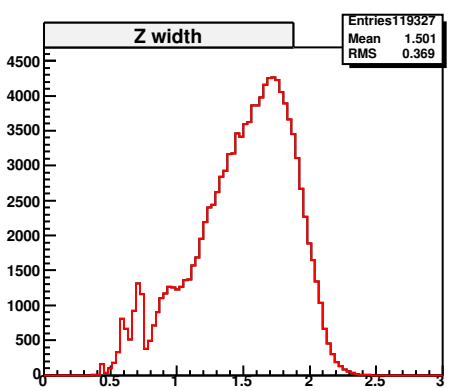


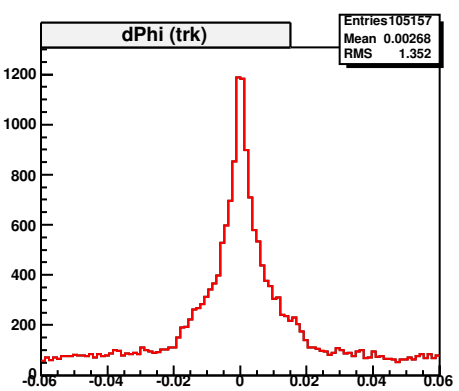


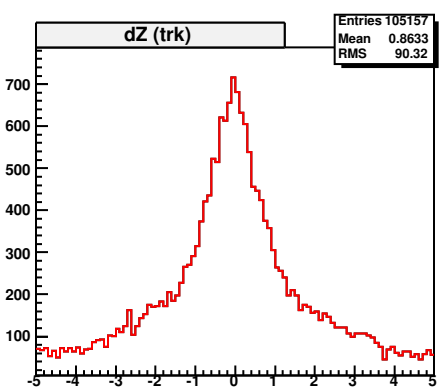


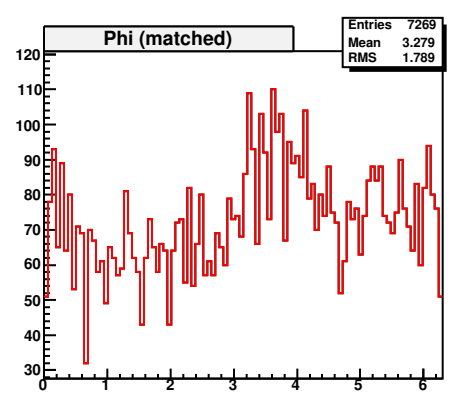


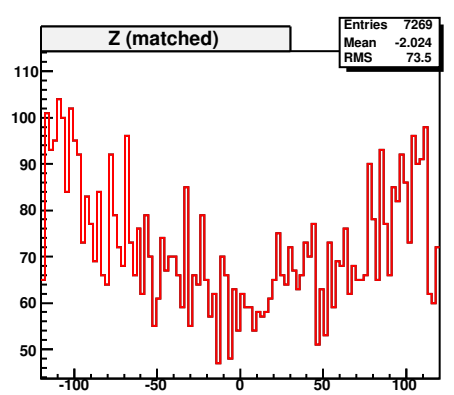




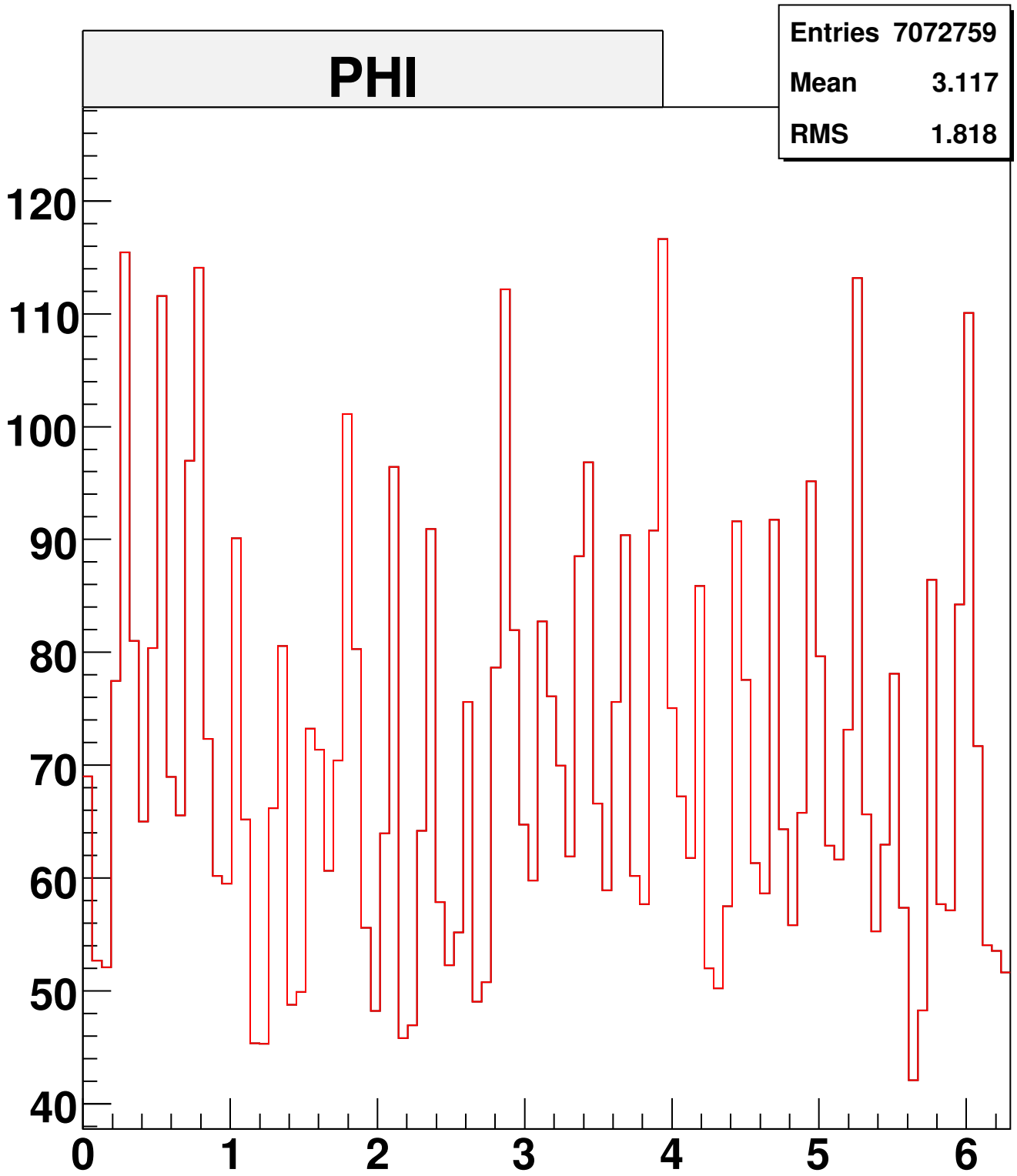


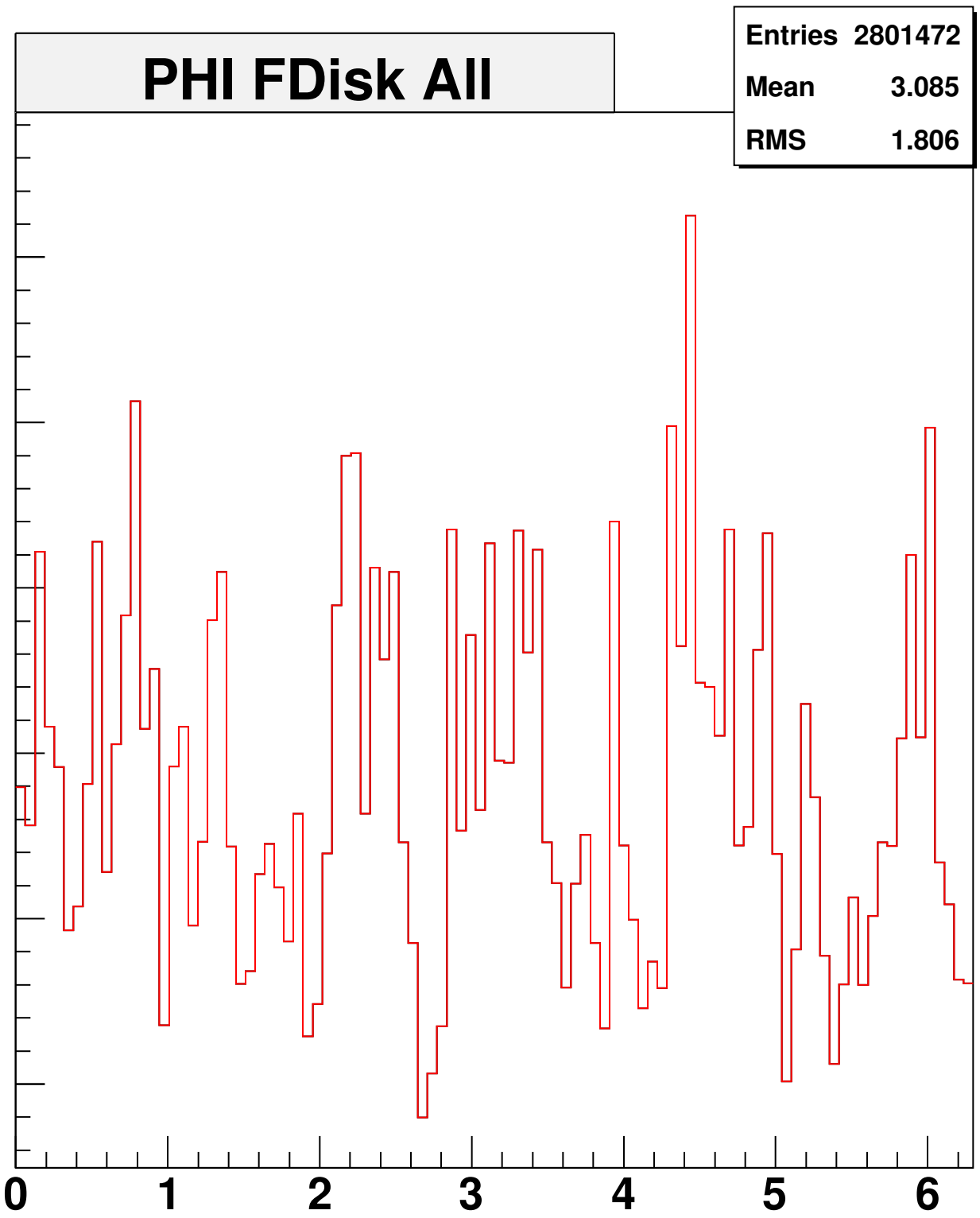


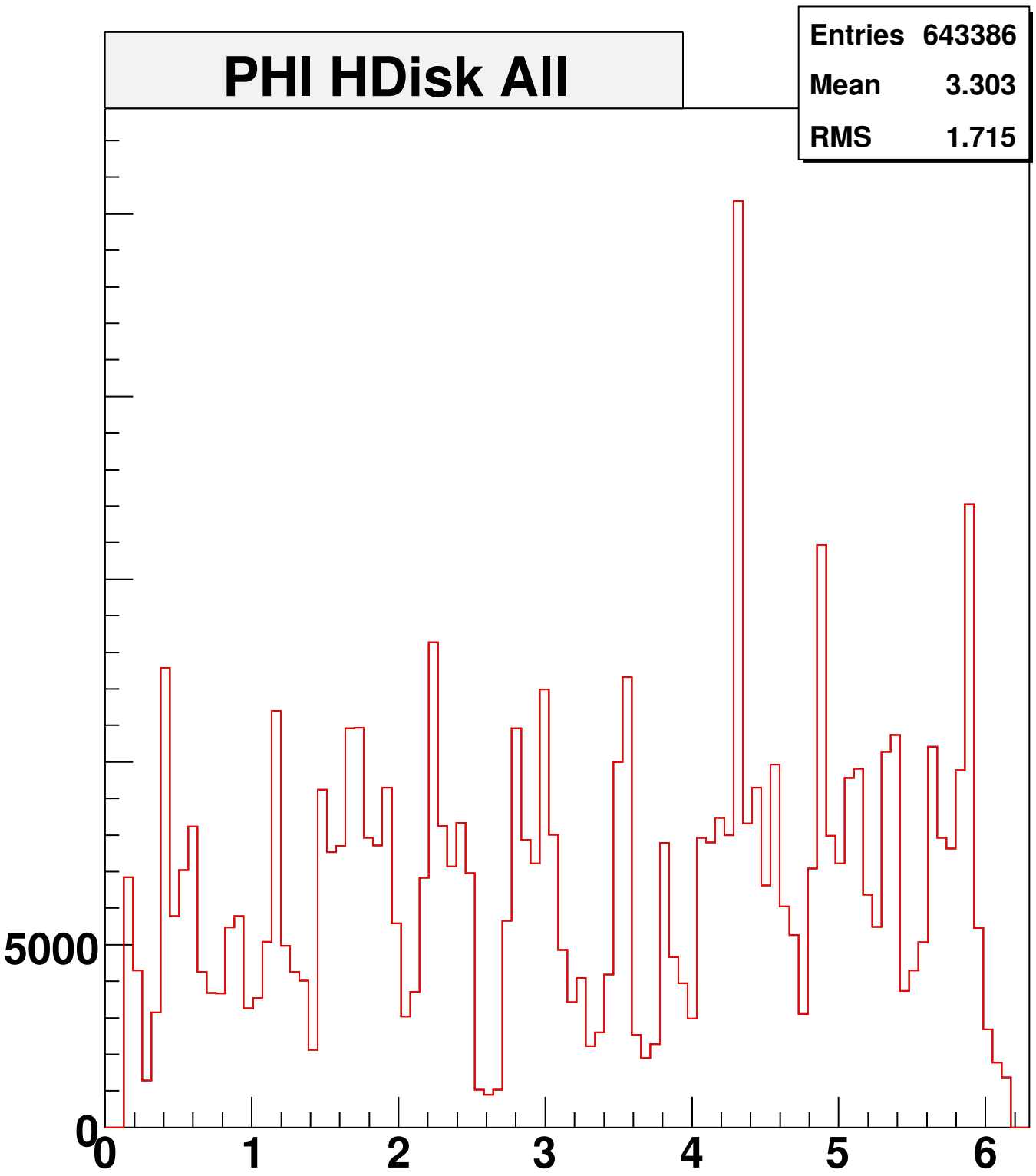


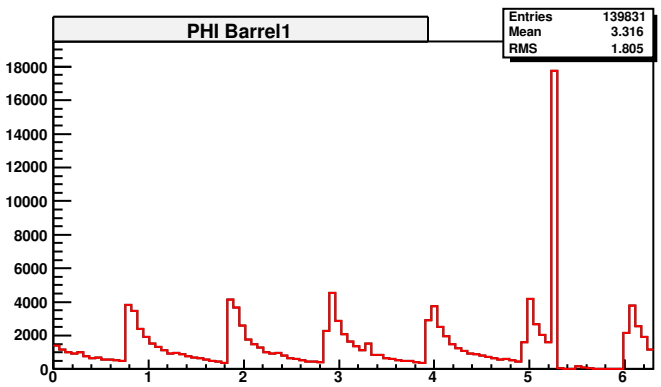


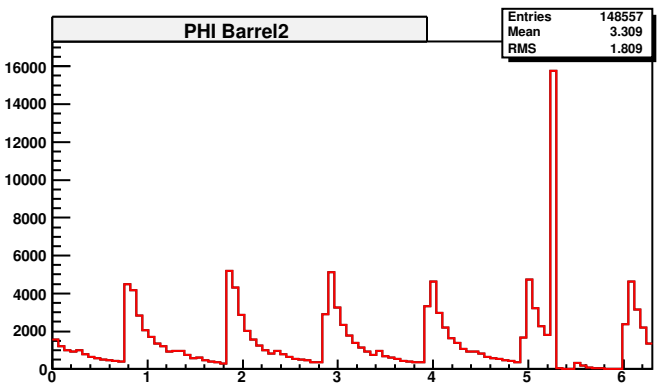
CPS Clusters (All Clusters)

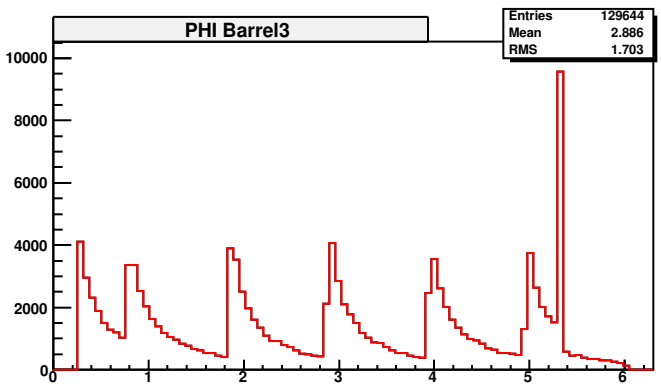

PHI
Entries 7072759
Mean 3.117
RMS 1.818
120
110
100
90
80
70
60
50
40
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

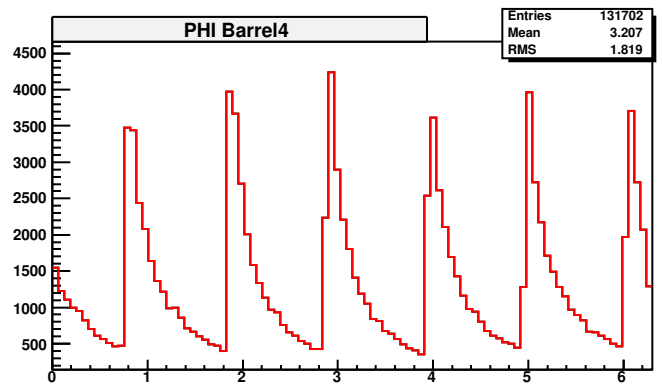

PHI FDisk All
Entries 2801472
Mean 3.085
RMS 1.806
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

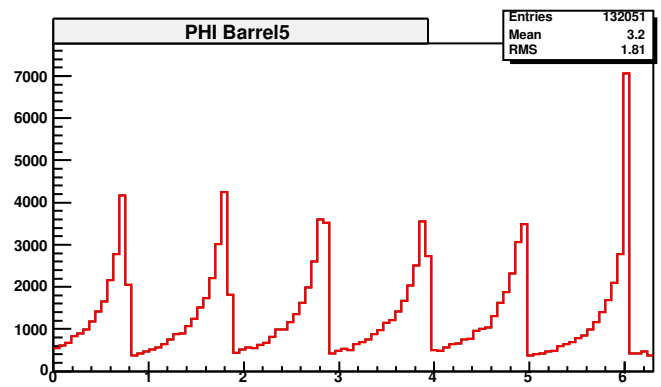

PHI HDisk All
Entries 643386
Mean 3.303
RMS 1.715
5000
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

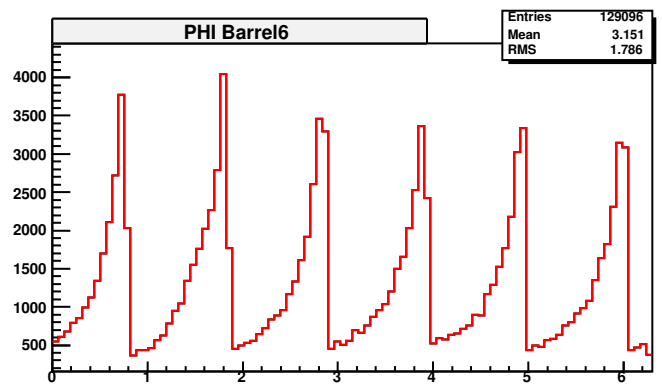


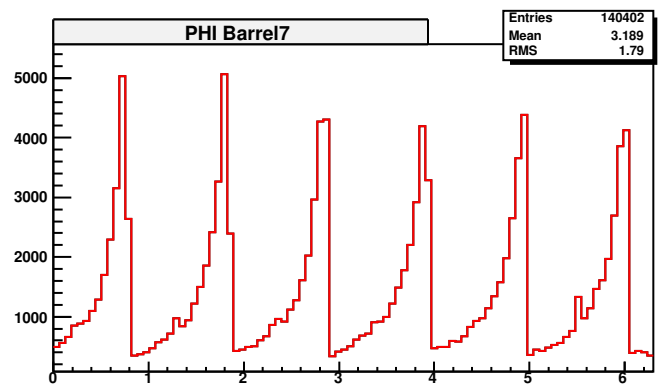


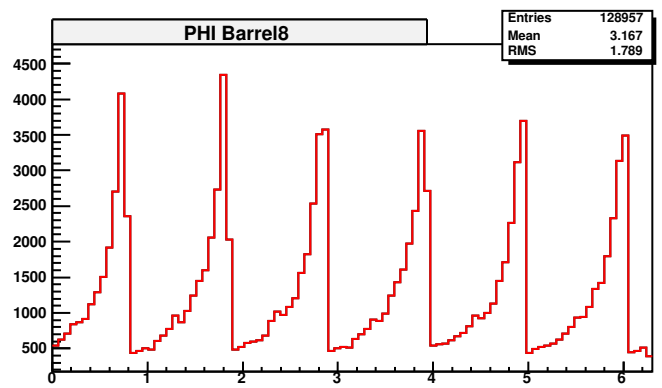




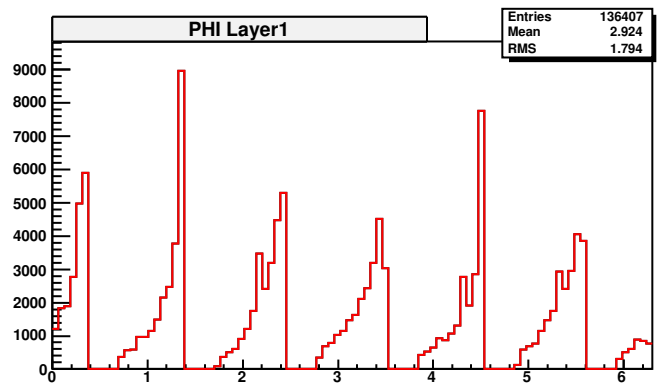


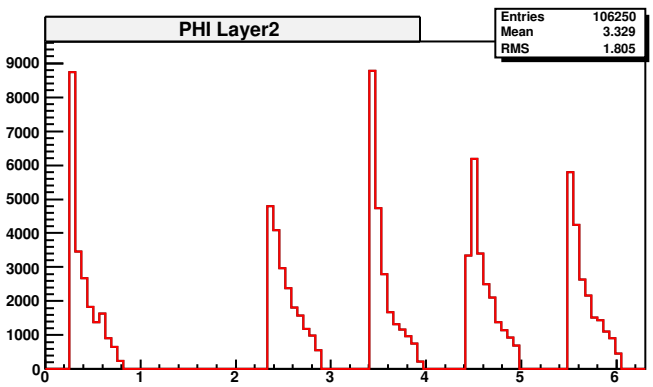


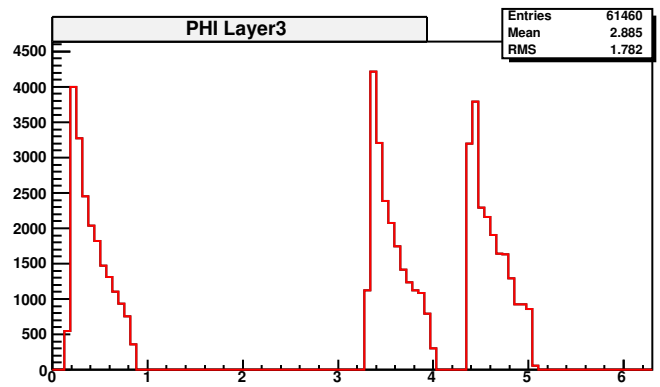


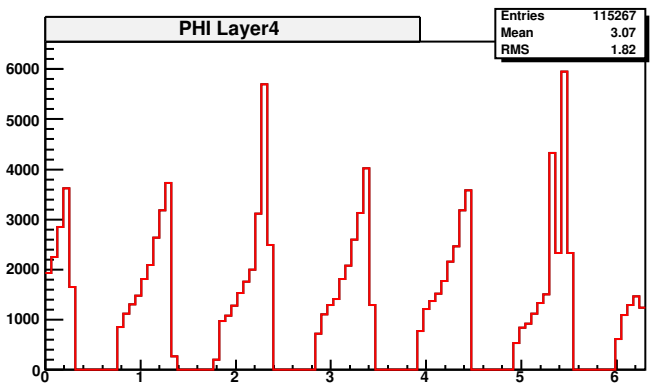


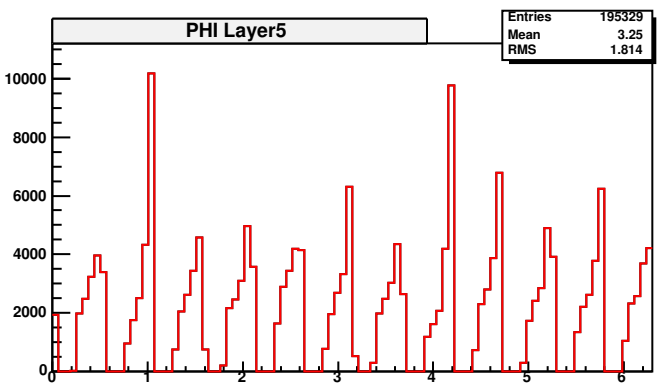
SmtClusters (ClustrLayer0)

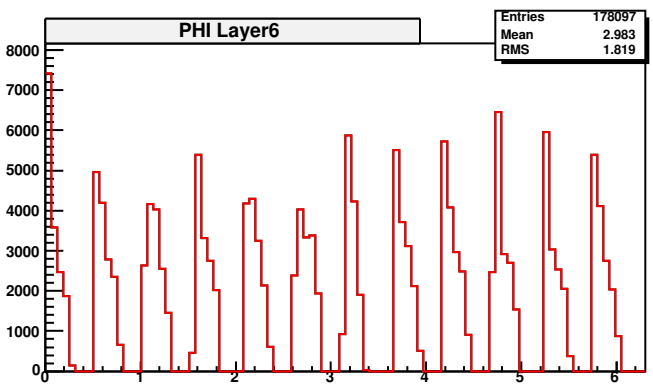


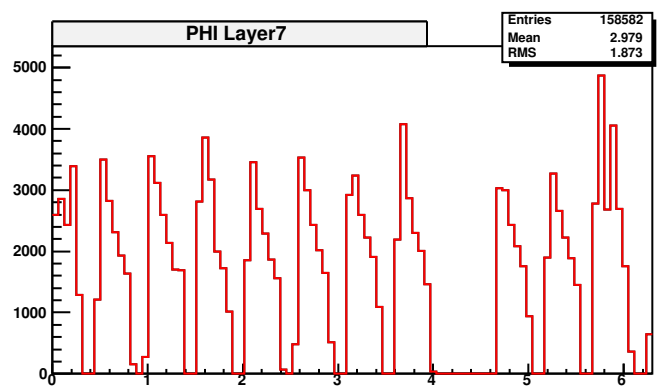


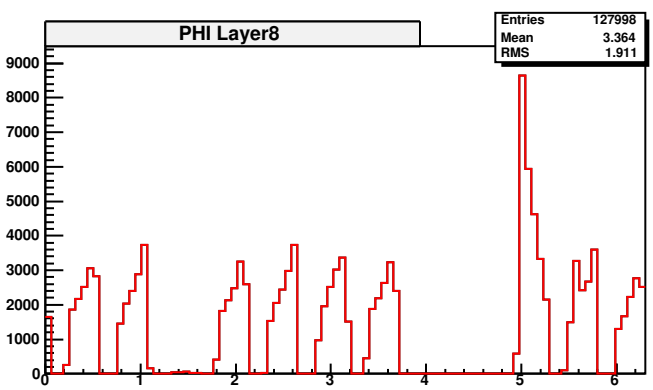




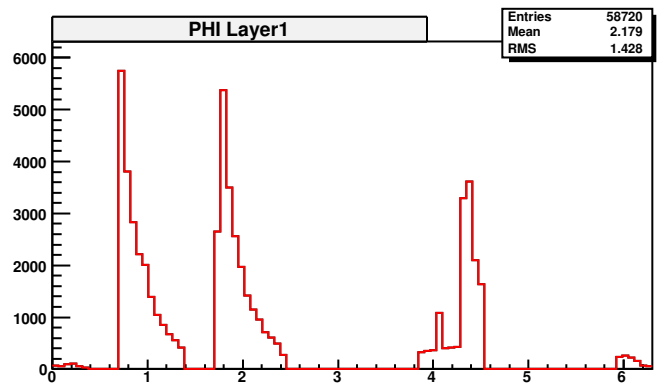


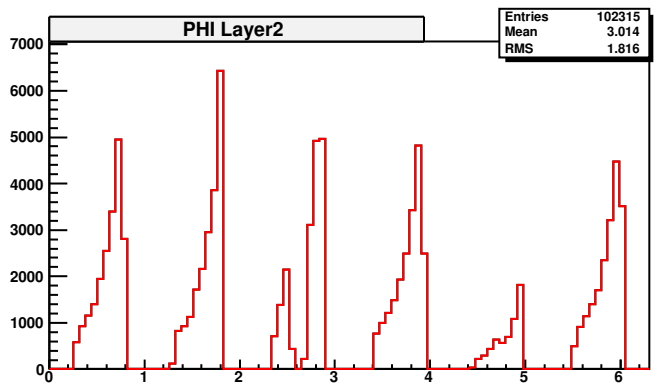


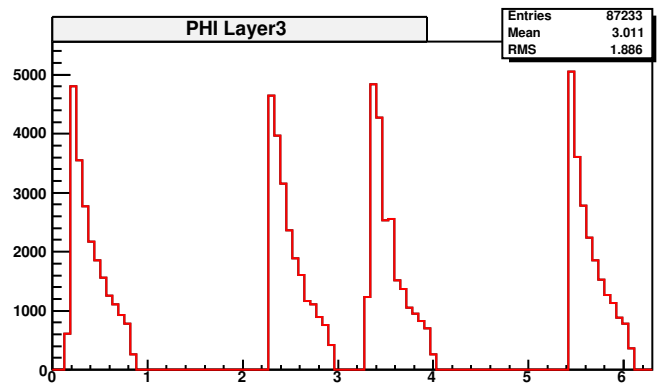


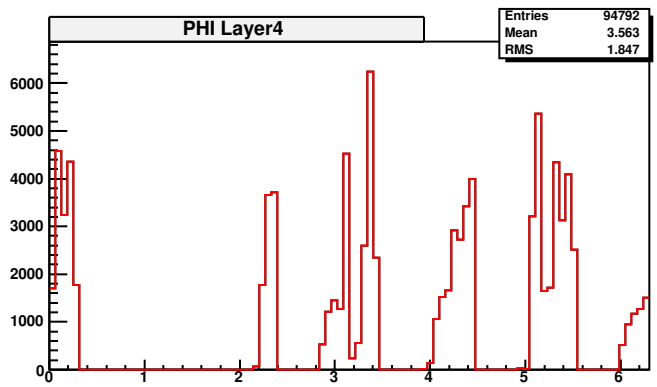


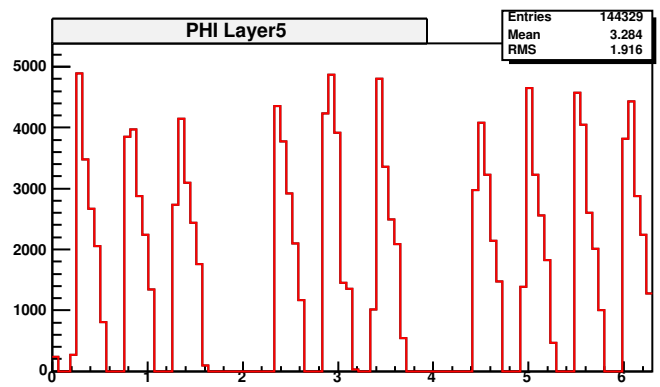
SmtClusters (ClustrBar1)

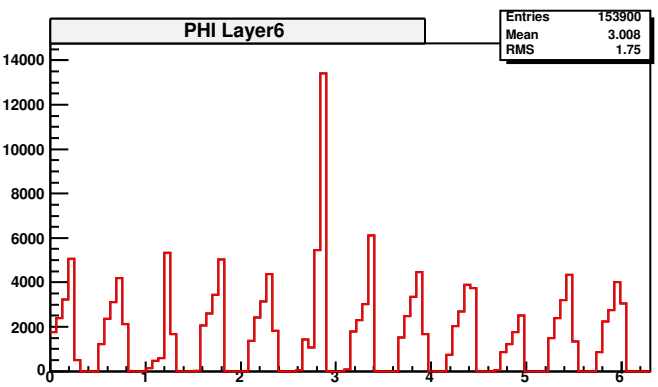


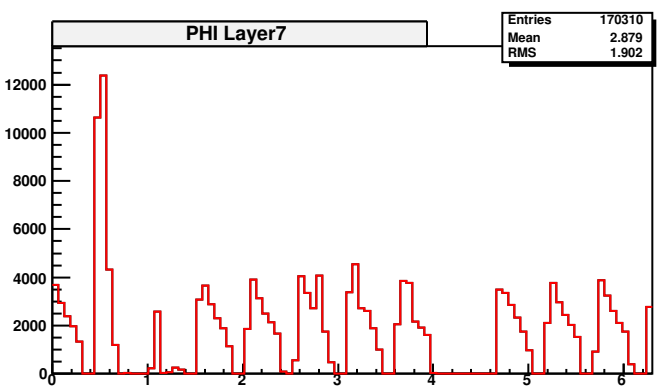


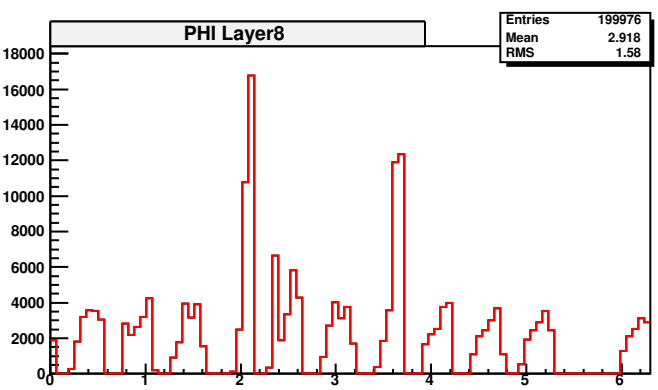




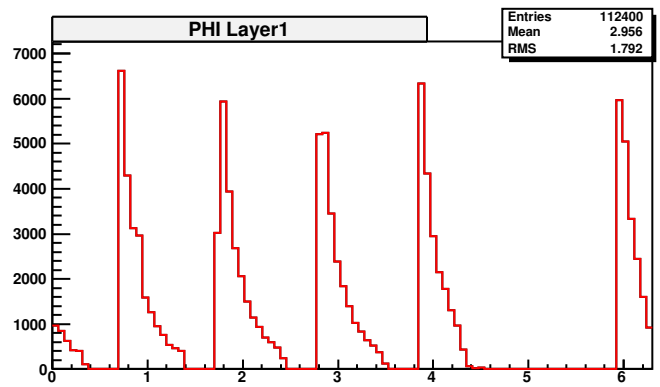


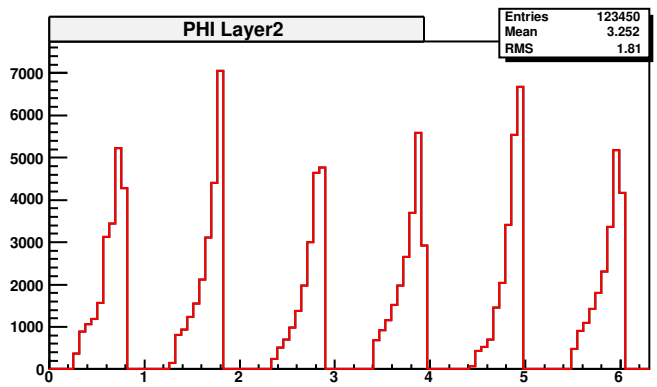


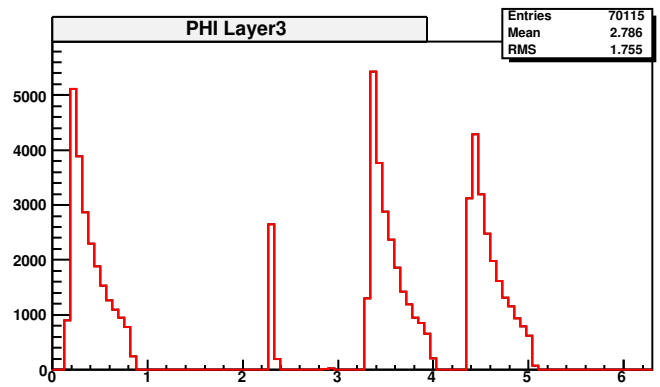


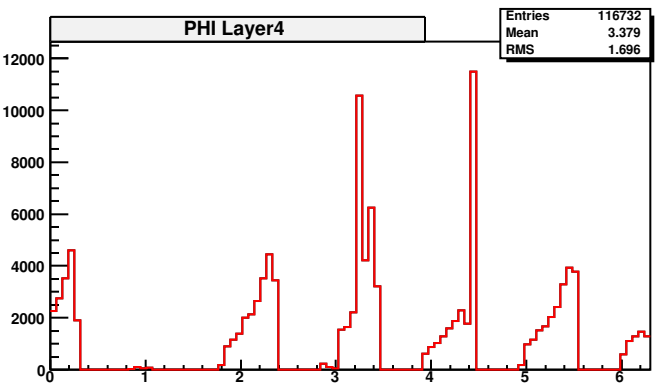


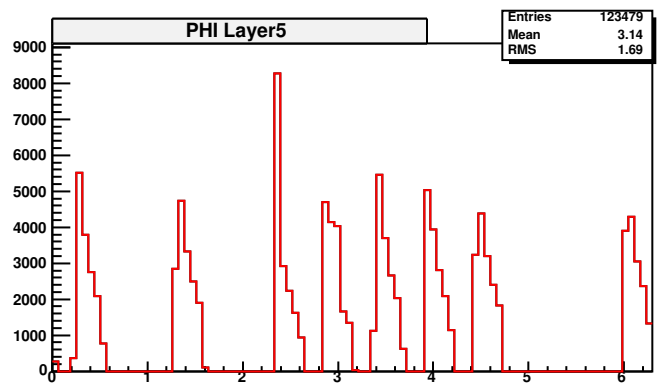
SmtClusters (ClustrBar2)

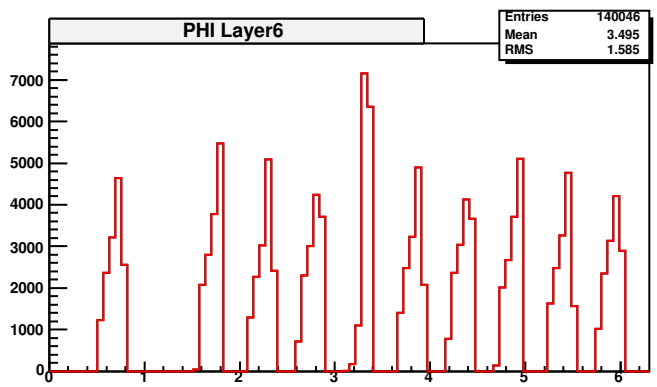


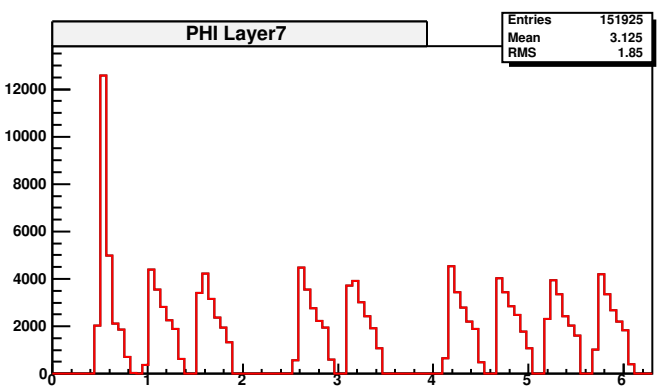


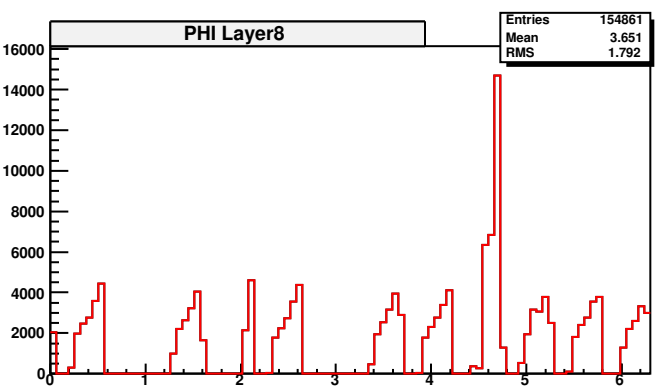




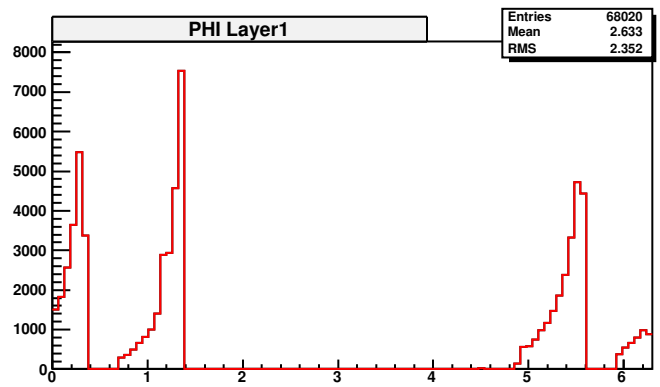


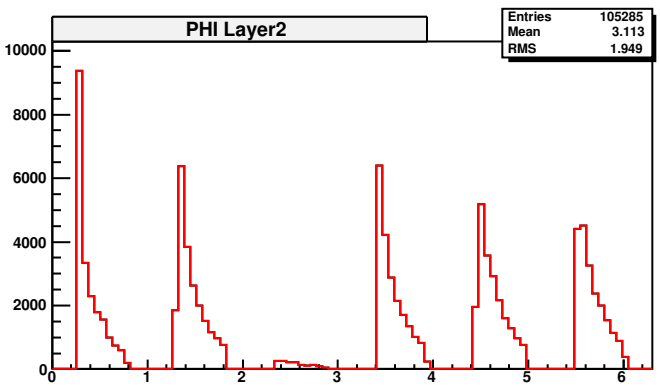


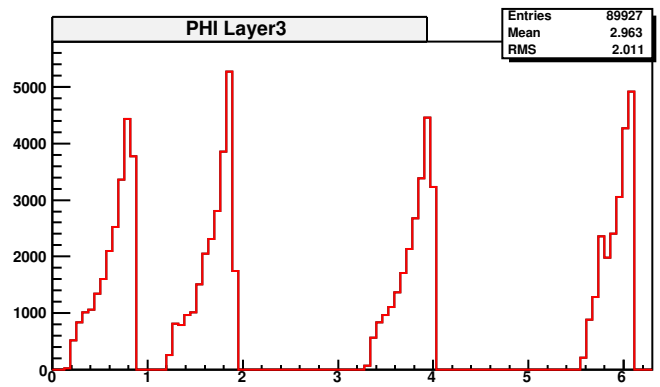


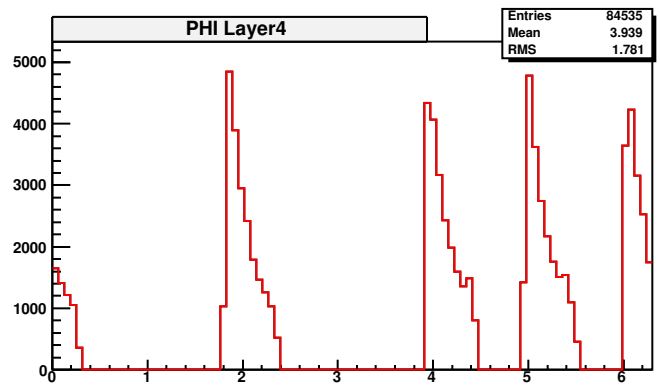


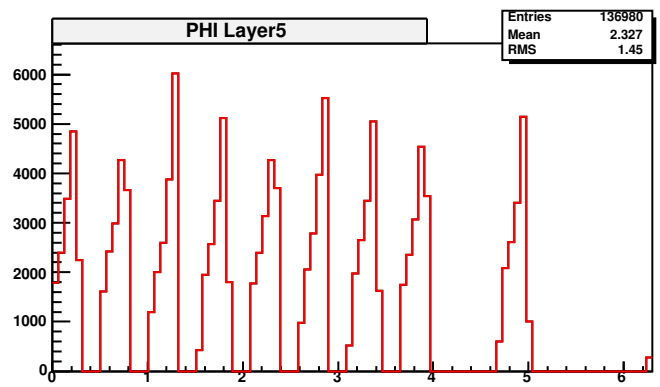
SmtClusters (ClustrBar3)

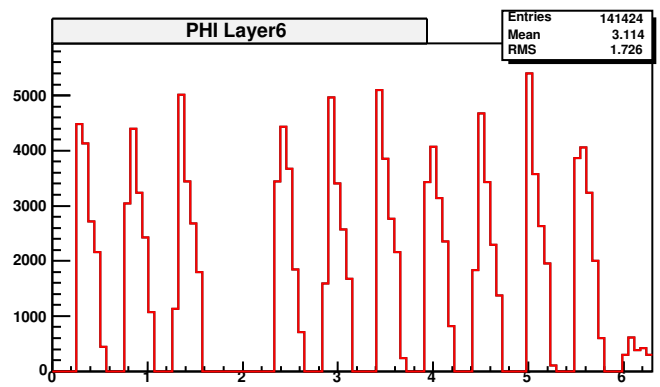


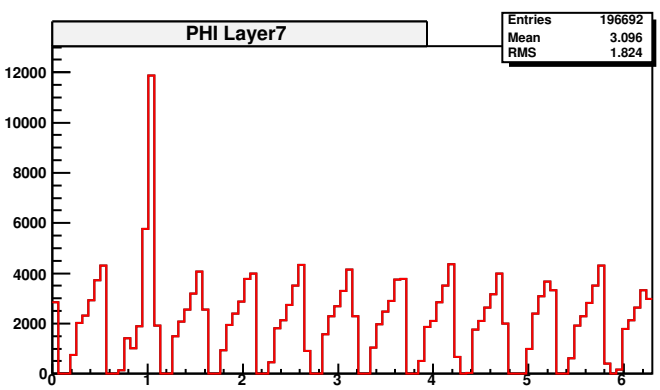


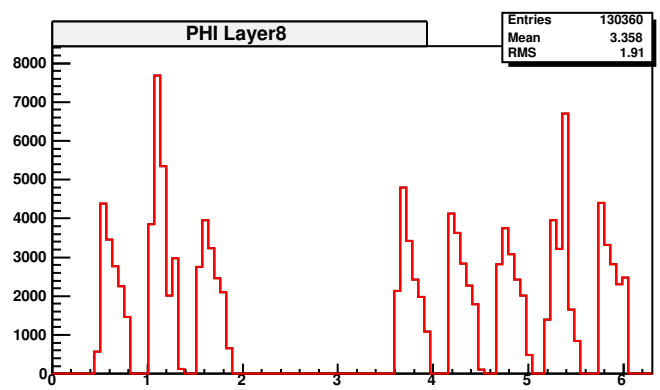




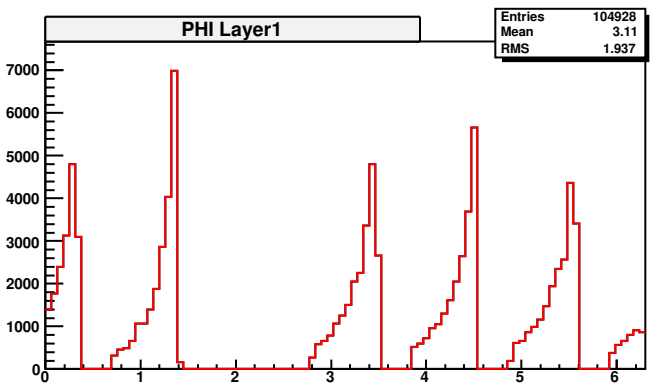


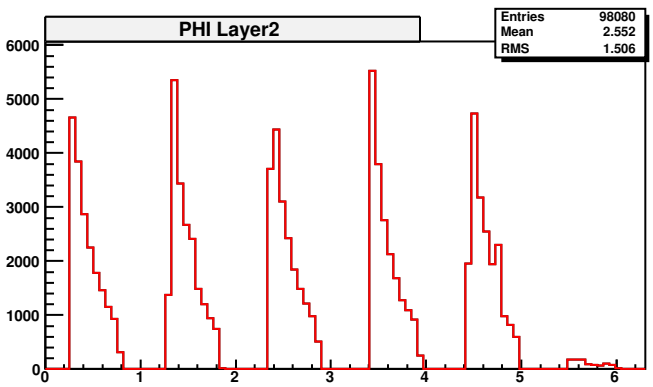


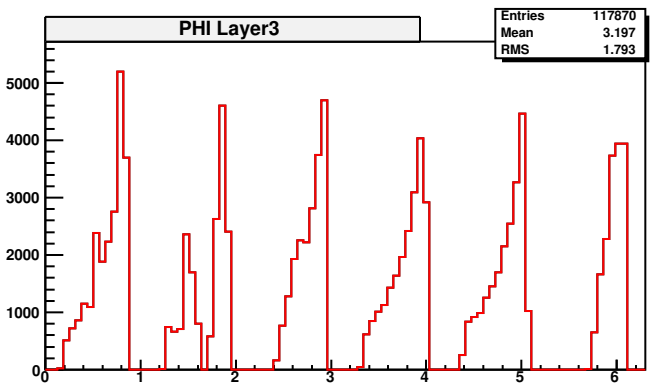


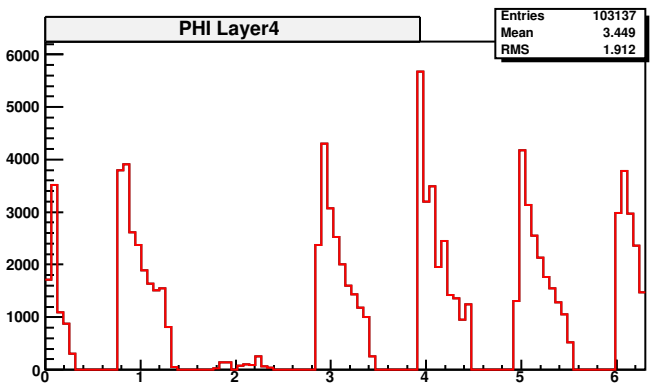


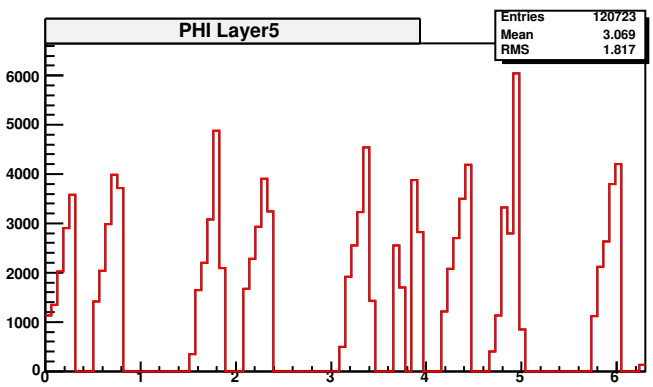
SmtClusters (ClustrBar4)

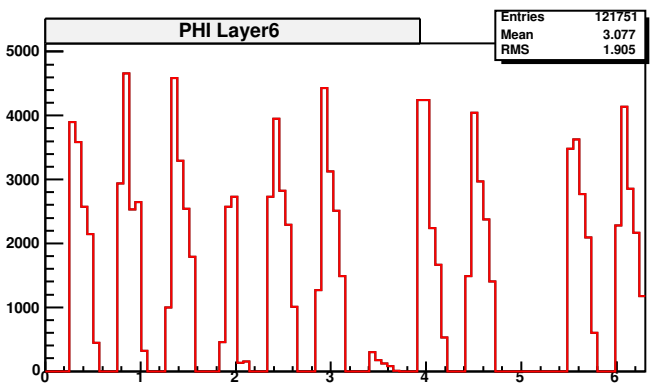


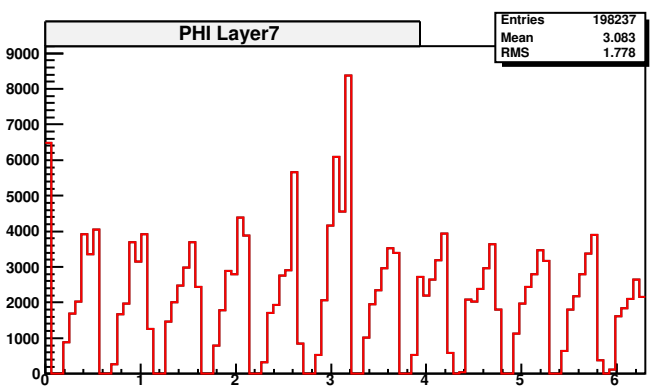


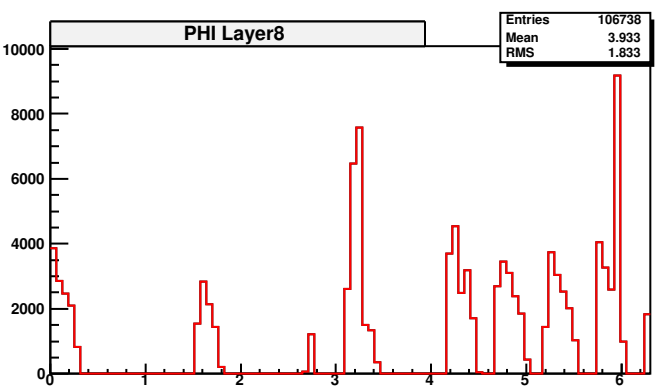




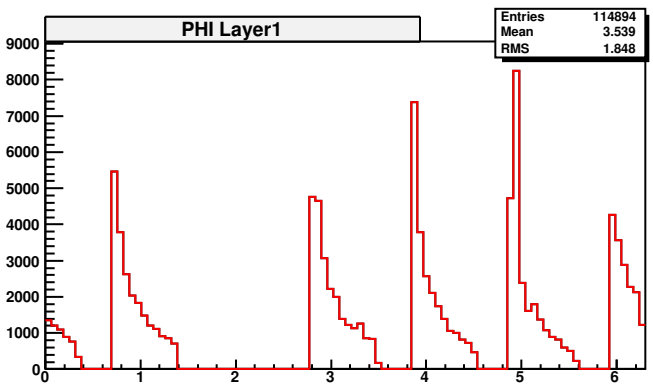


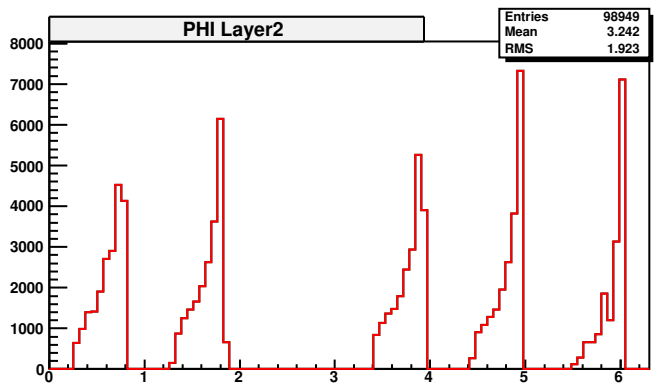


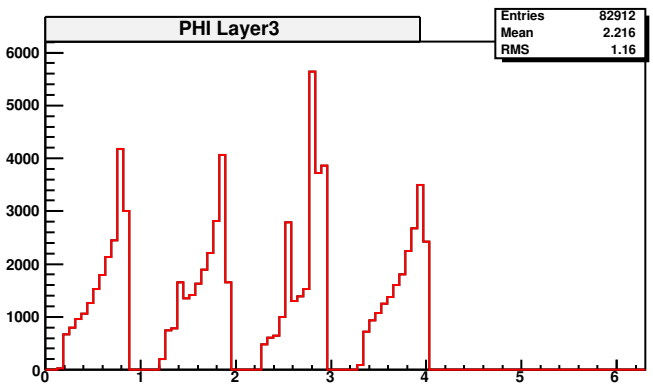


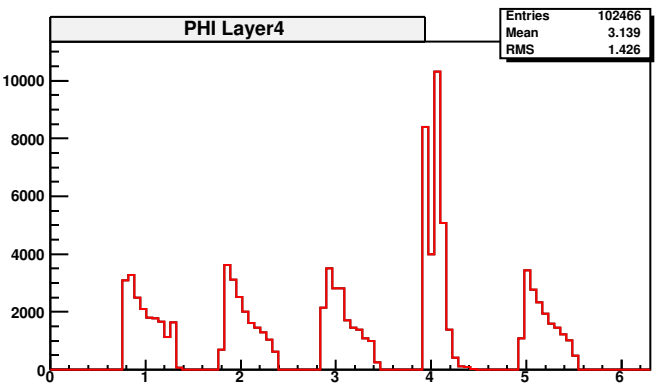


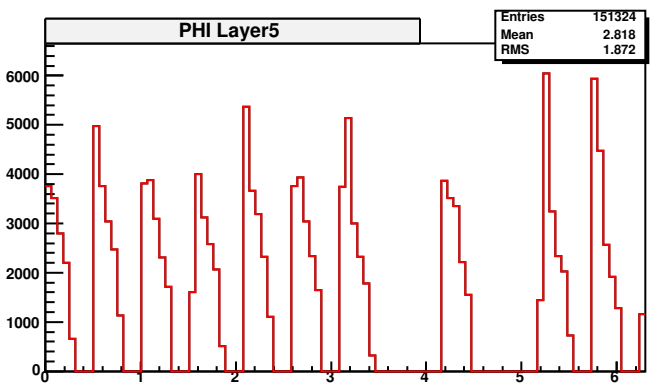
SmtClusters (ClustrBar5)

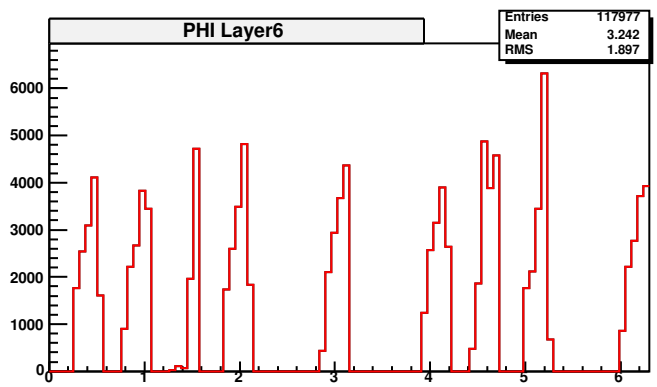


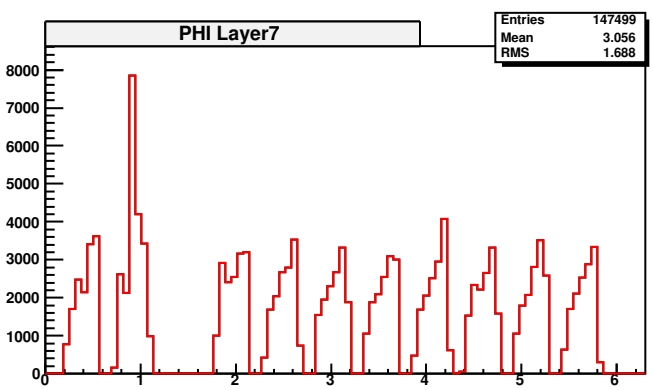


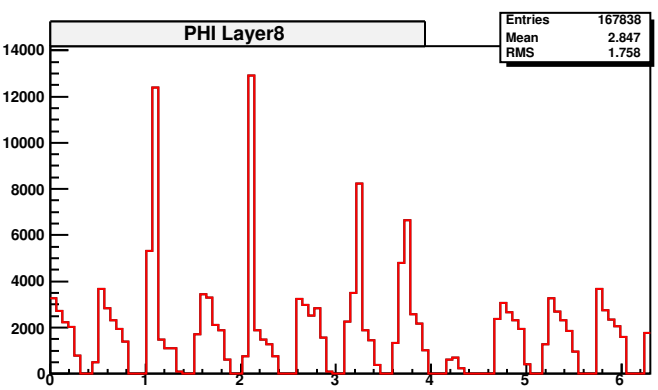




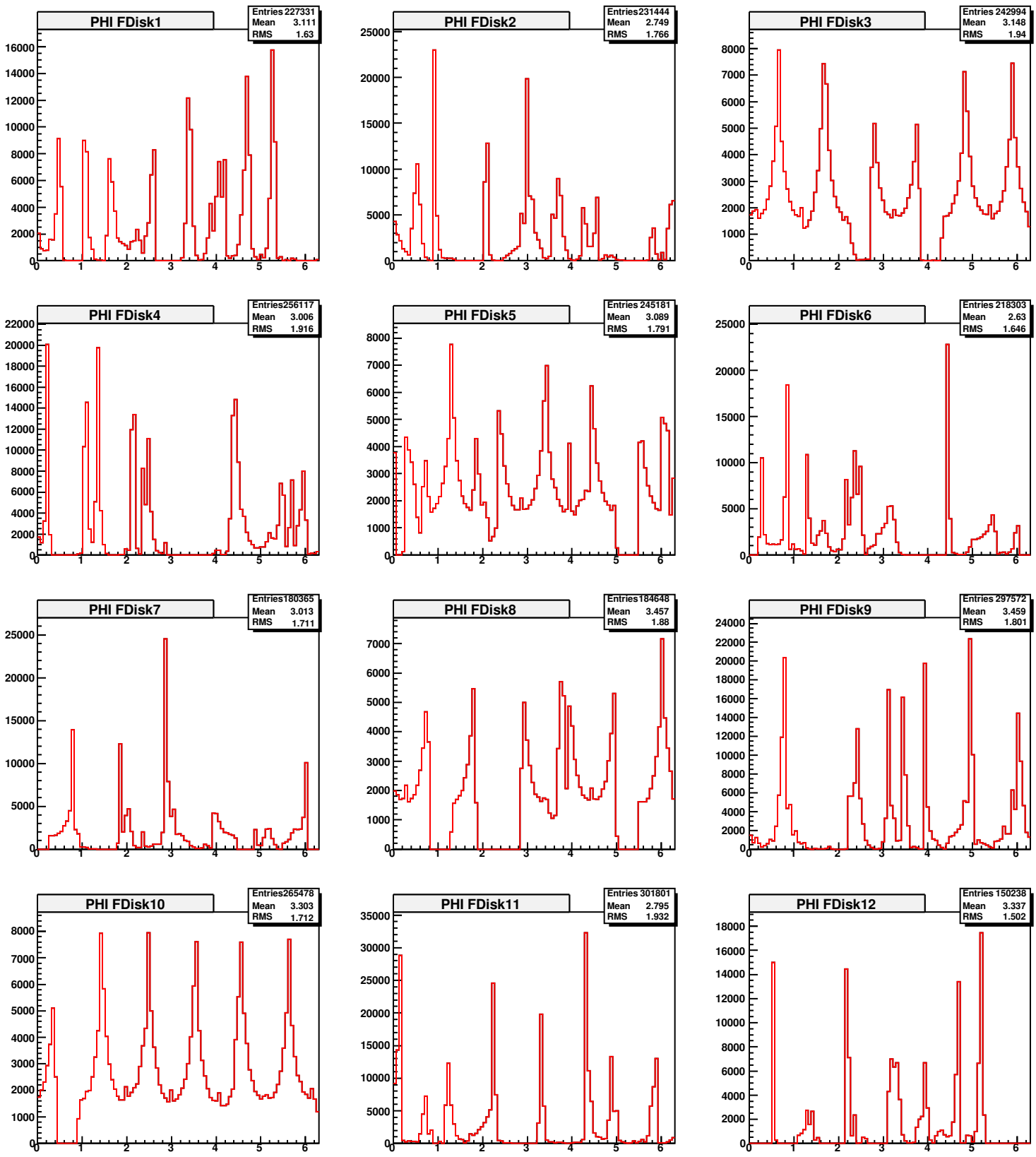




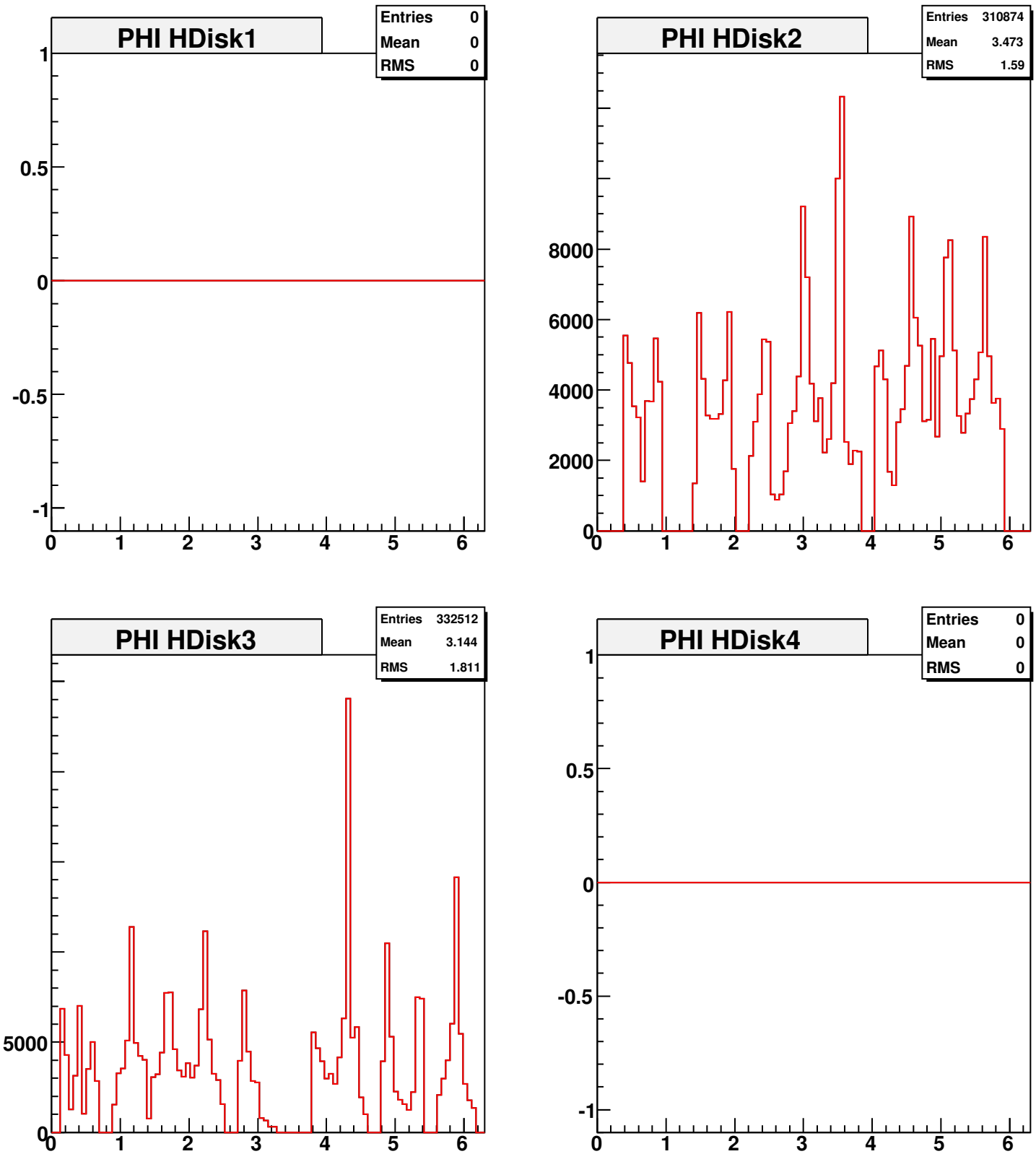




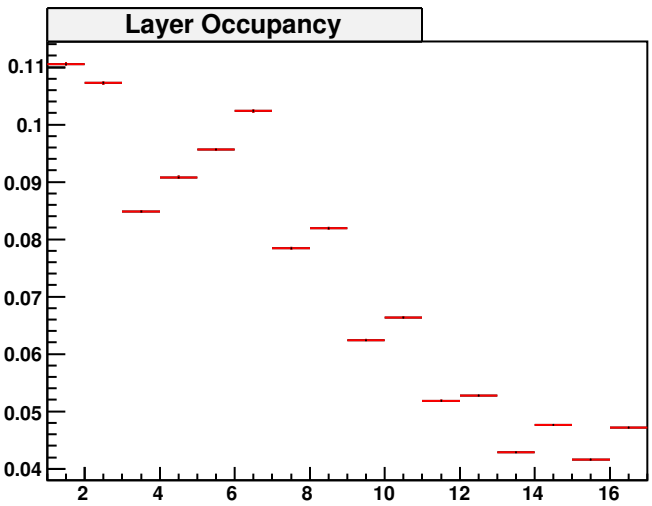
SmtClusters (ClustrBar6)

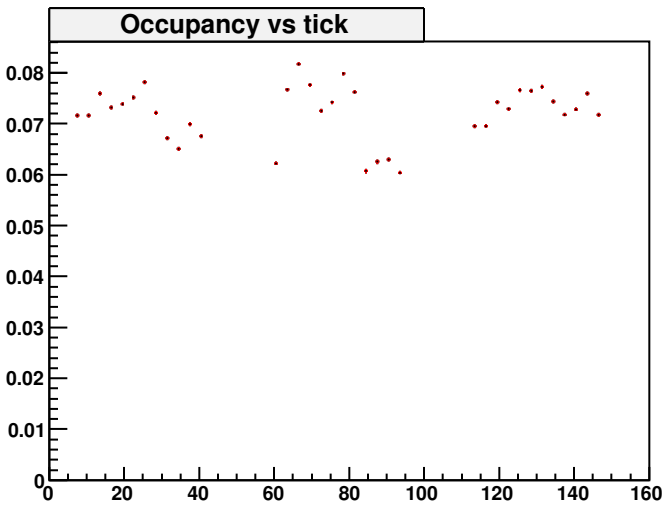


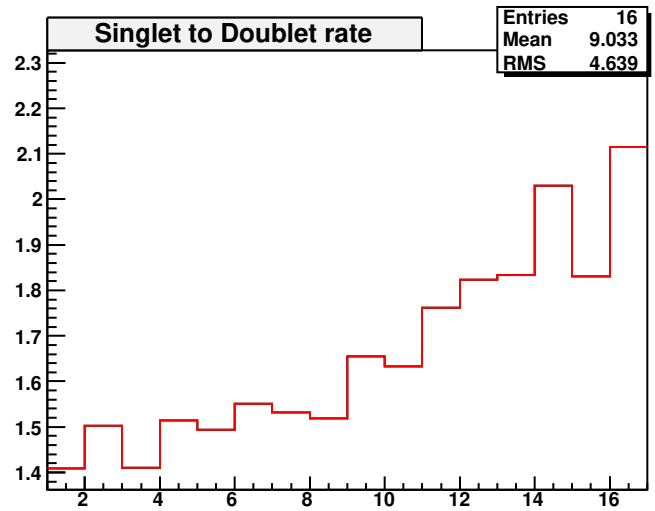
SmtClusters (FDiskClusters)

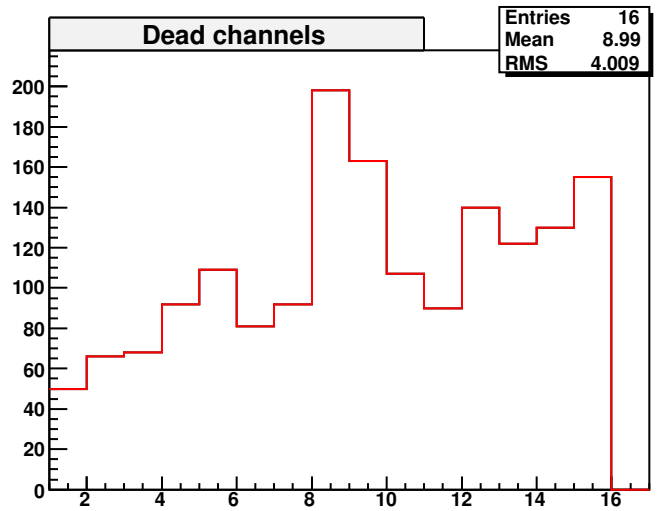


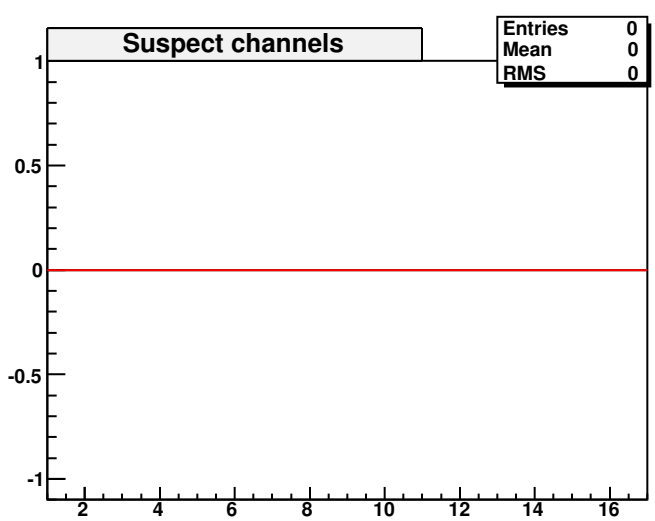
SmtClusters (HDiskClusters)

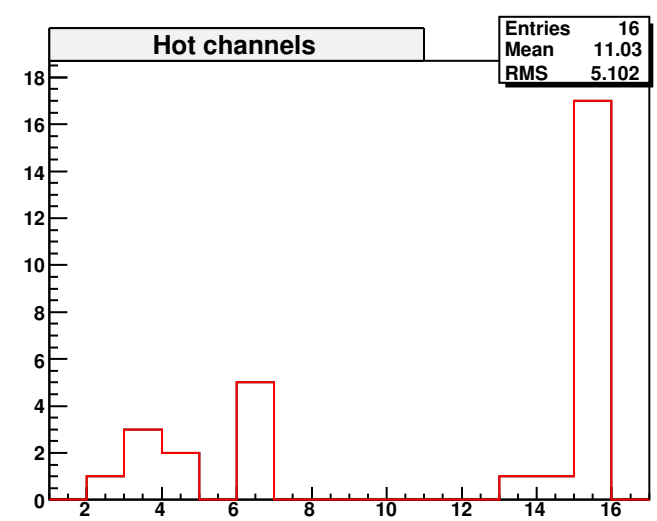




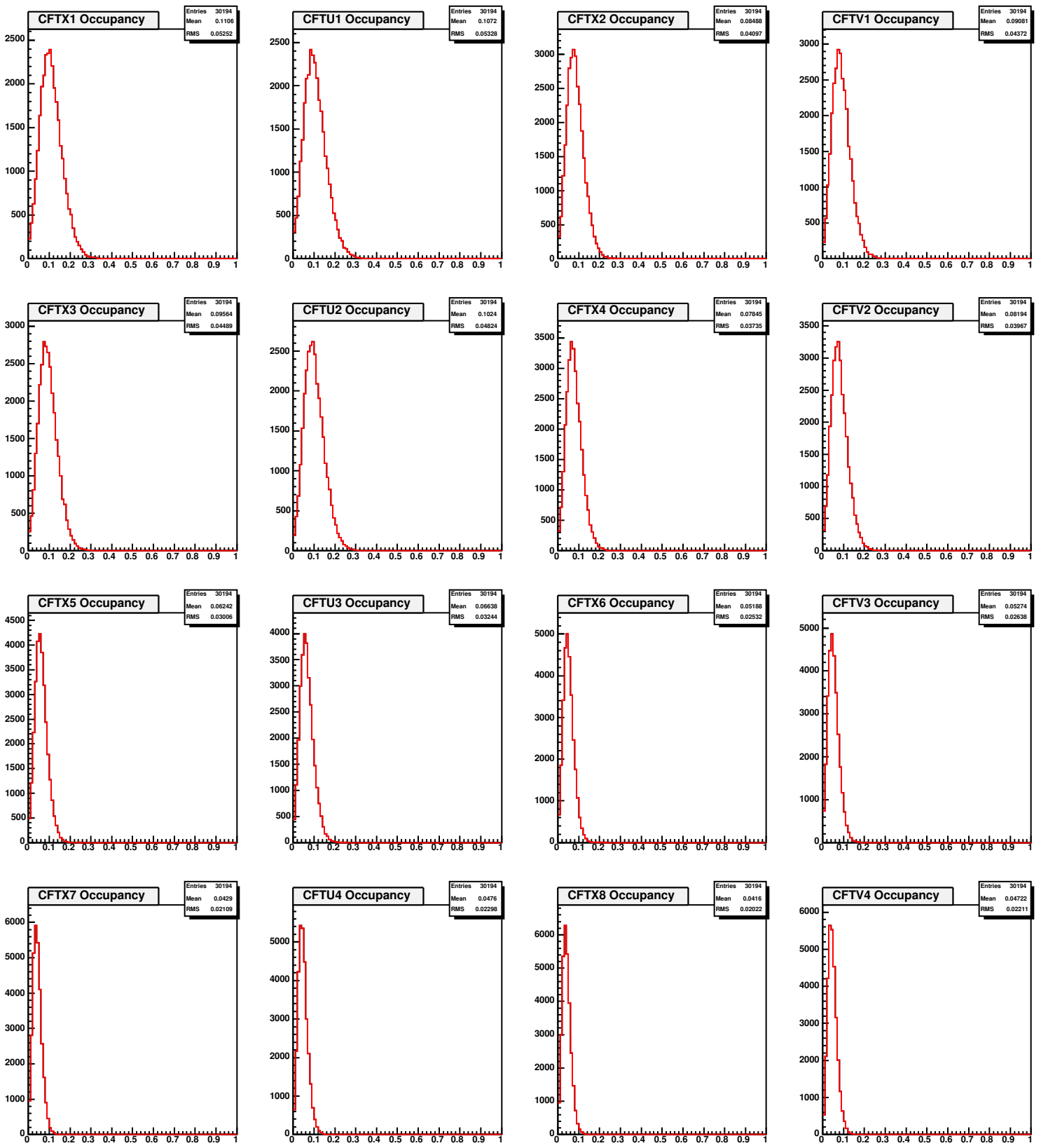




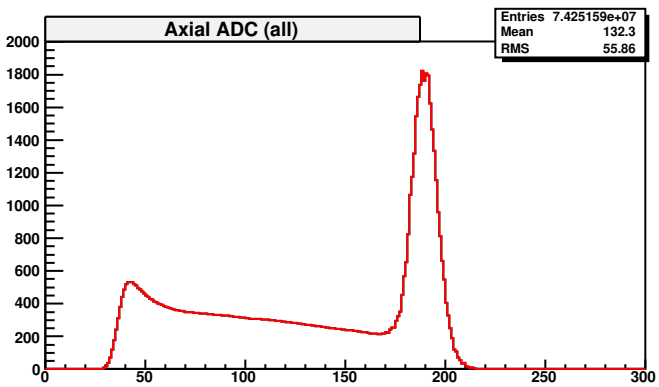


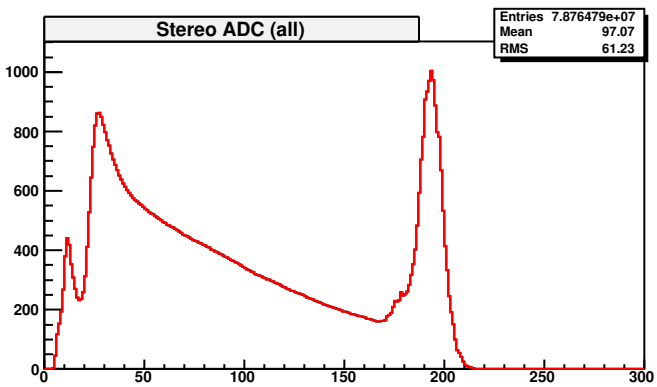


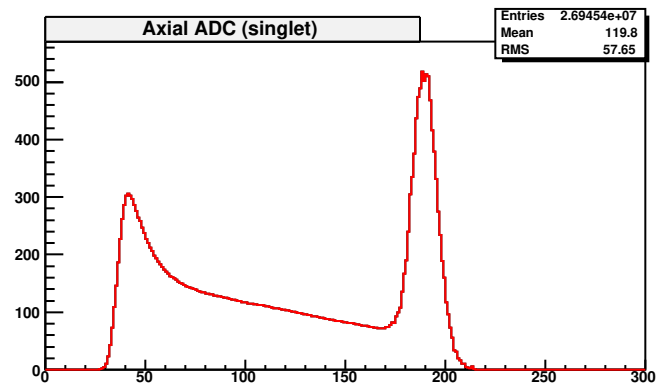
CFT Summary (All Clusters)

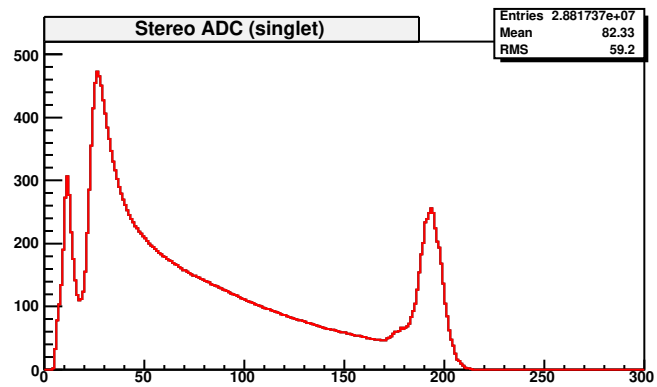


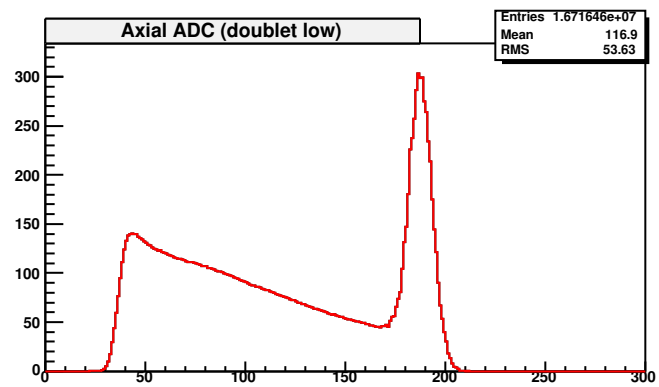
CFT Occupancy (All Clusters)

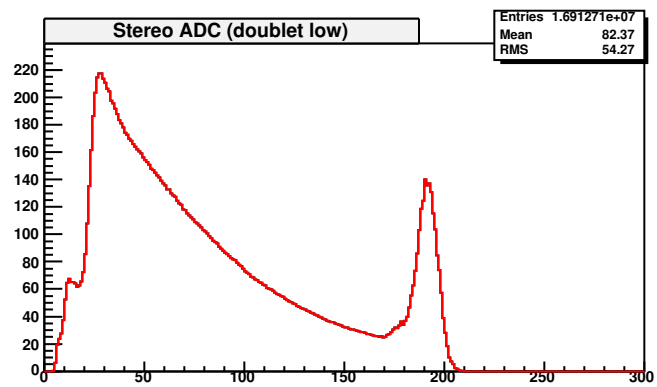


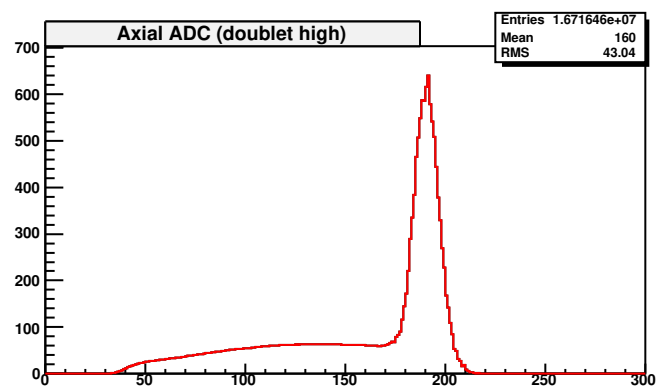


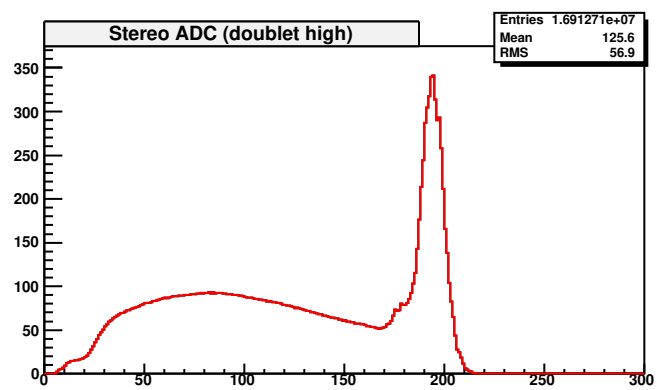




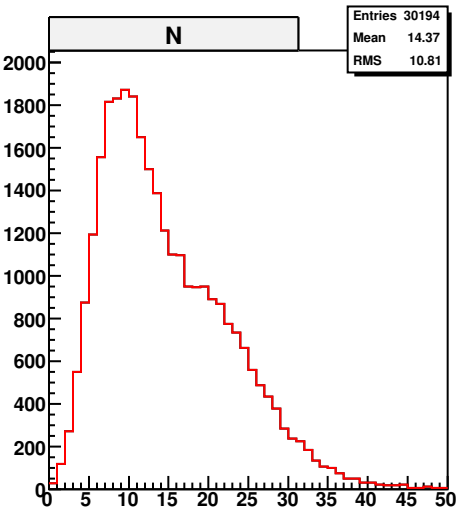


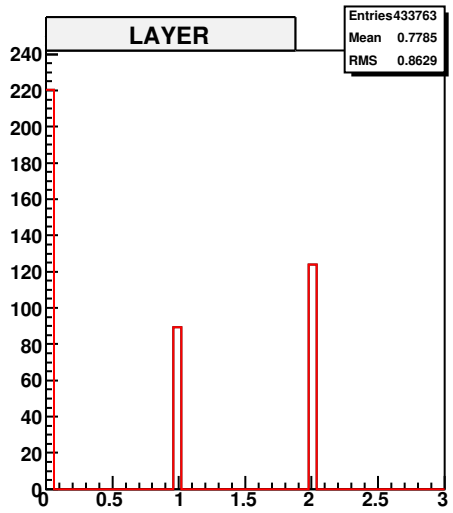


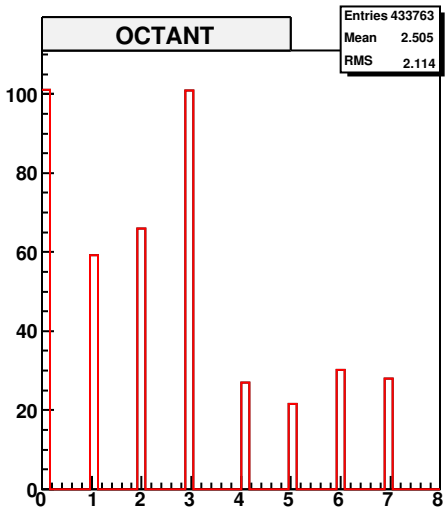


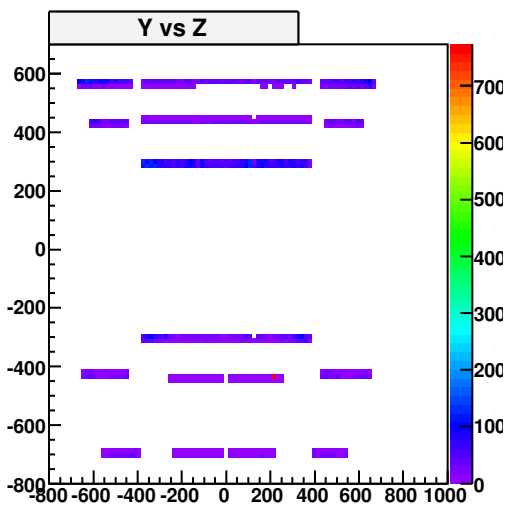


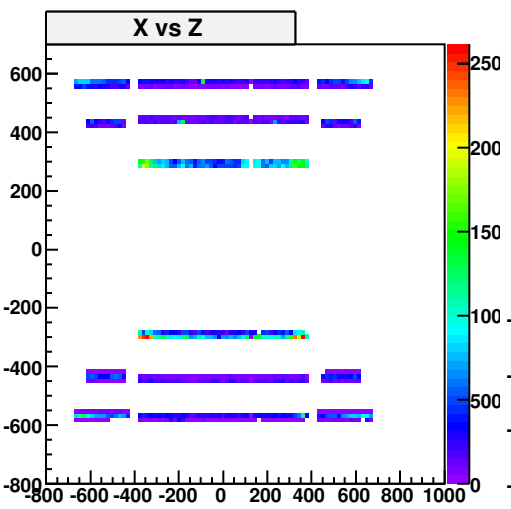
CFT ADC Summary (All Clusters)

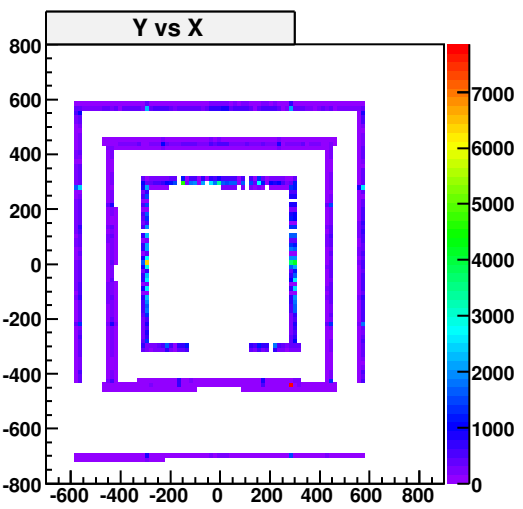

N
Entries 30194
Mean 14.37
RMS 10.81

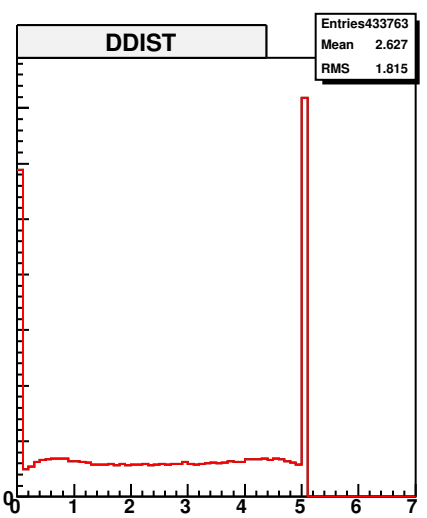

LAYER
Entries 433763
Mean 0.7785
RMS 0.8629

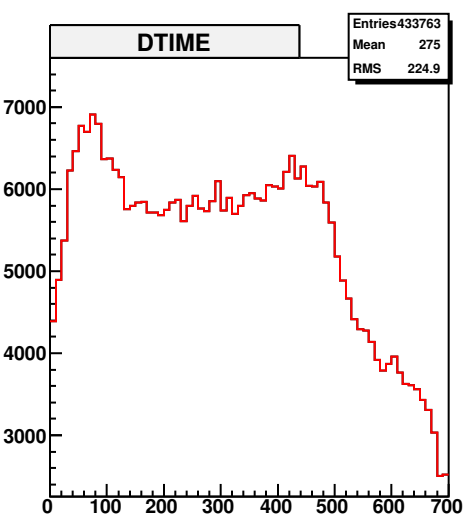

OCTANT
Entries 433763
Mean 2.505
RMS 2.114


Y vs Z

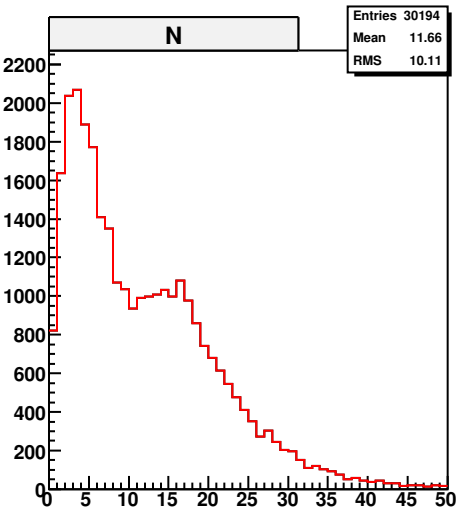

X vs Z

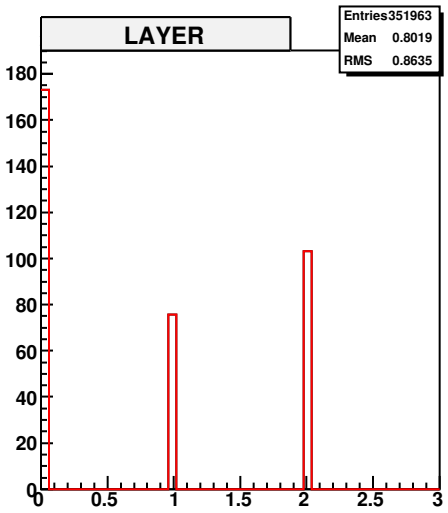

Y vs X

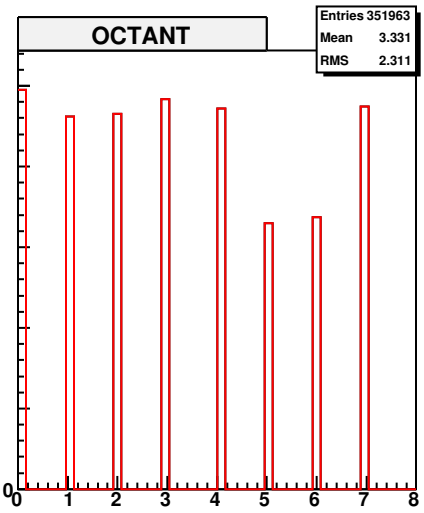

DDIST
Entries 433763
Mean 2.627
RMS 1.815

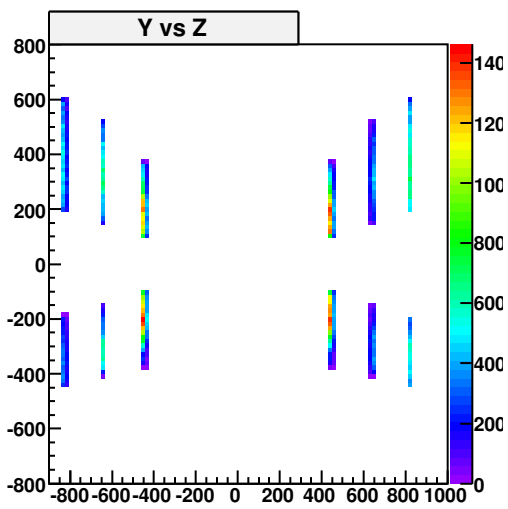

DTIME
Entries 433763
Mean 275
RMS 224.9

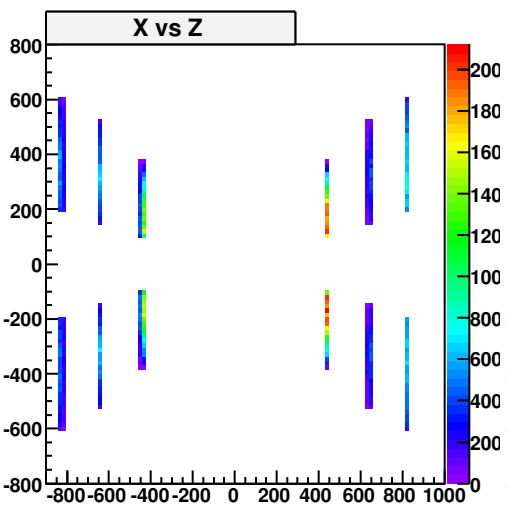
MuonPDT (All)

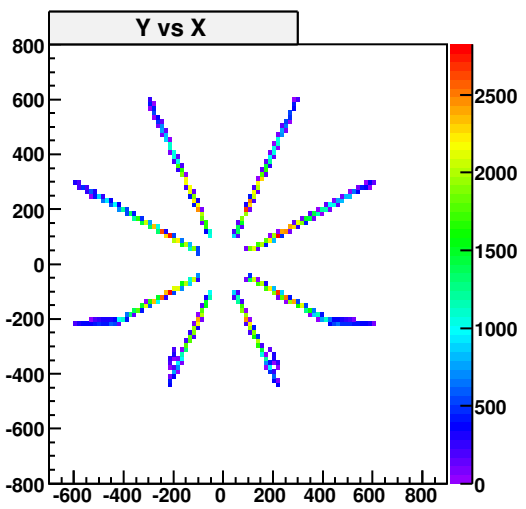

N
Entries 30194
Mean 11.66
RMS 10.11

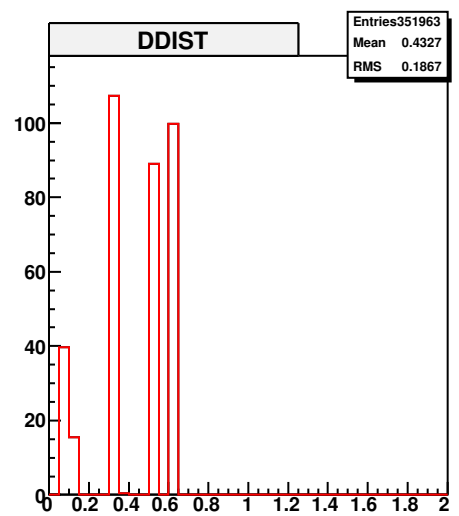

LAYER
Entries 351963
Mean 0.8019
RMS 0.8635

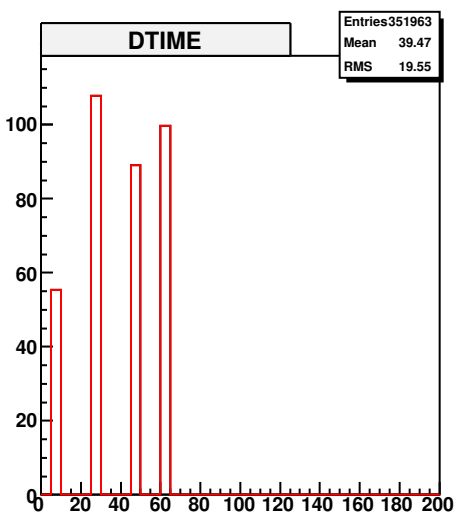

OCTANT
Entries 351963
Mean 3.331
RMS 2.311


Y vs Z

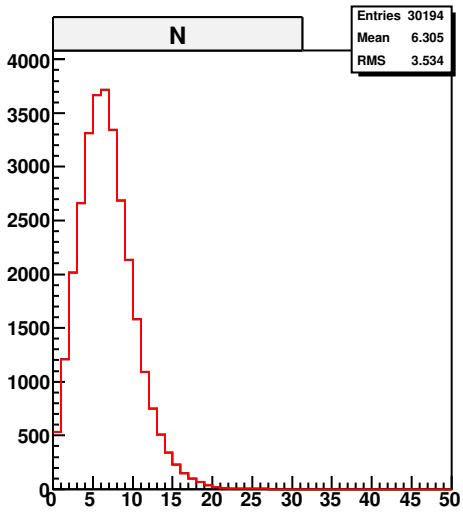

X vs Z

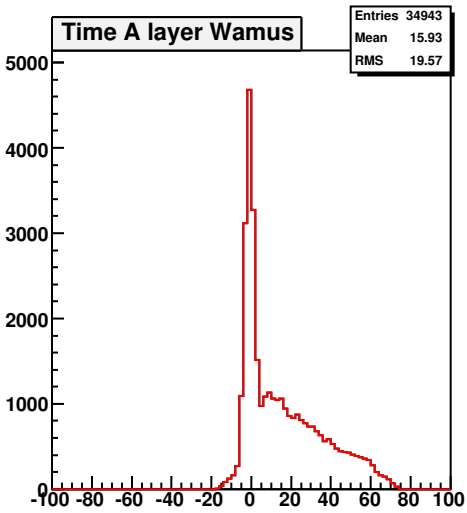

Y vs X

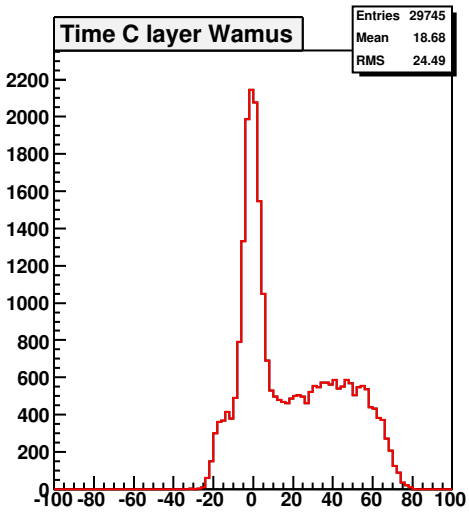

DDIST
Entries 351963
Mean 0.4327
RMS 0.1867


DTIME
Entries 351963
Mean 39.47
RMS 19.55

MuonMDT (All)


N
Entries 30194
Mean 6.305
RMS 3.534


Time A layer Wamus
Entries 34943
Mean 15.93
RMS 19.57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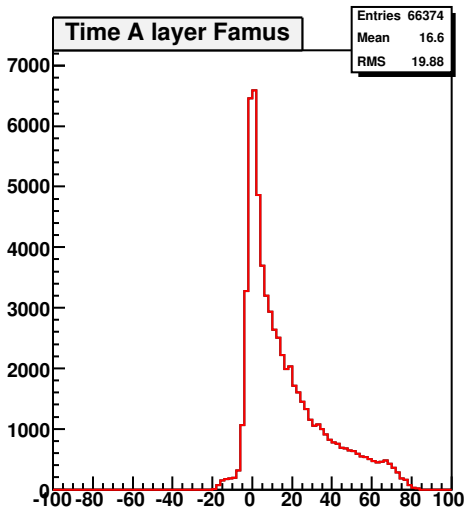
RMS 24.49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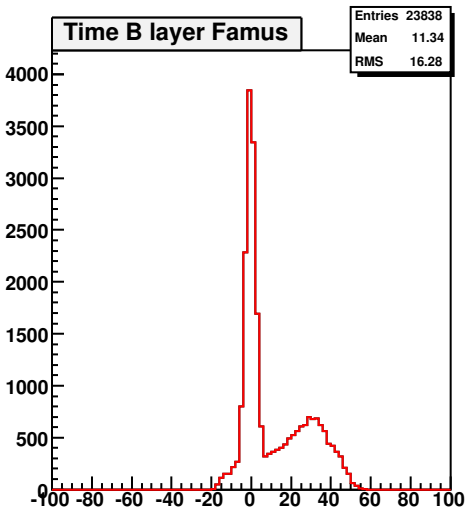
Mean 16.6
RMS 19.88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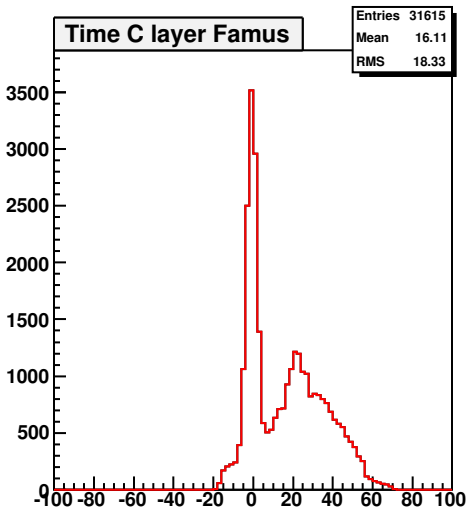
Entries 23838
Mean 11.34
RMS 16.28


Time C layer Famus
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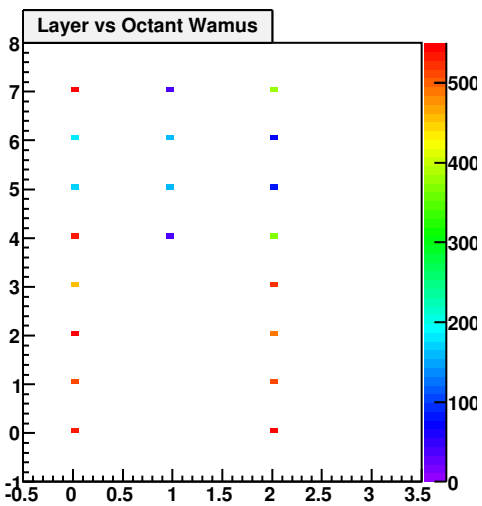
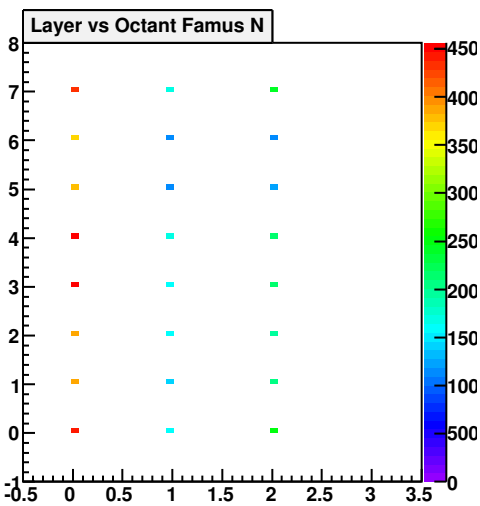
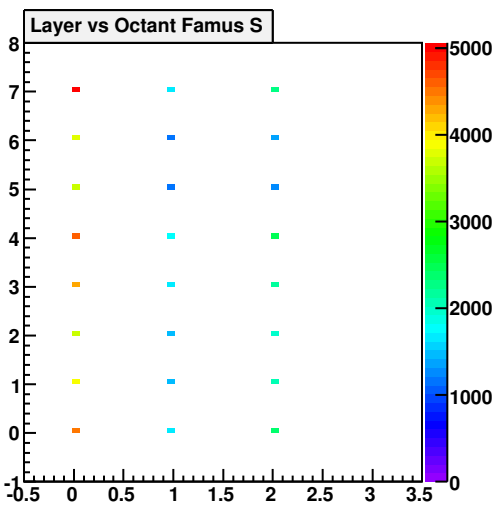
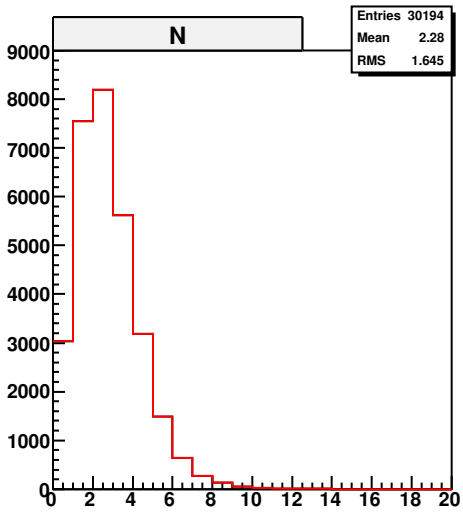
Mean 16.11
RMS 18.33

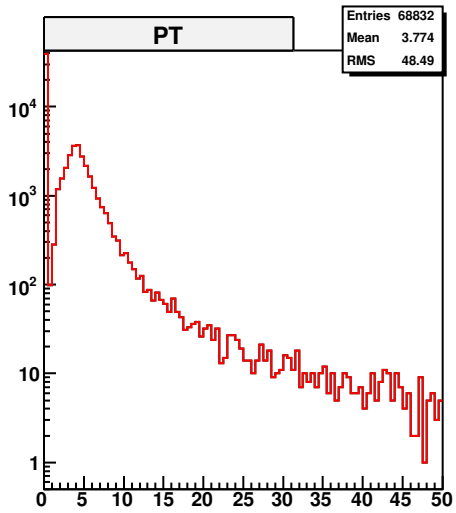

Layer vs Octant Wamus

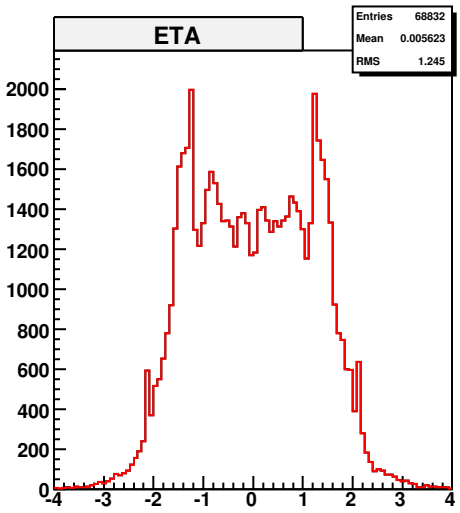

Layer vs Octant Famus N

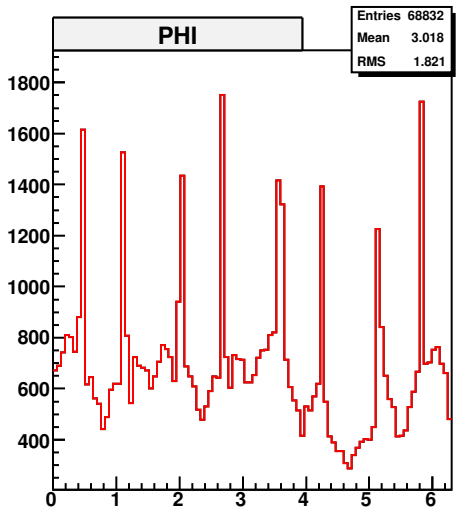

Layer vs Octant Famus S

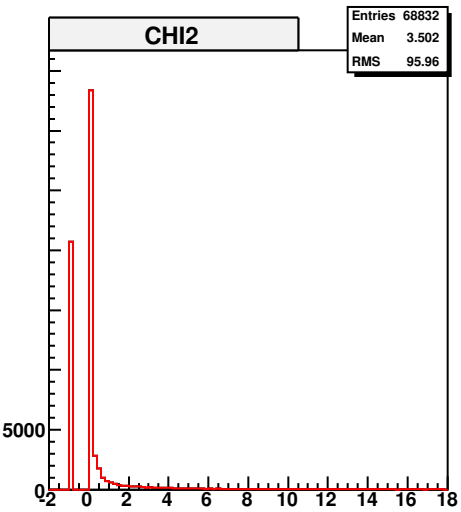
MuonMSC (All)

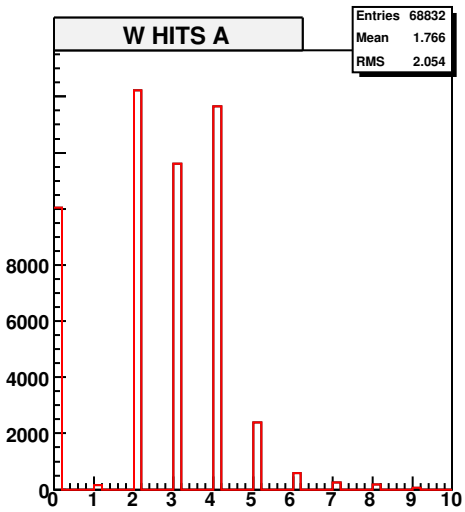


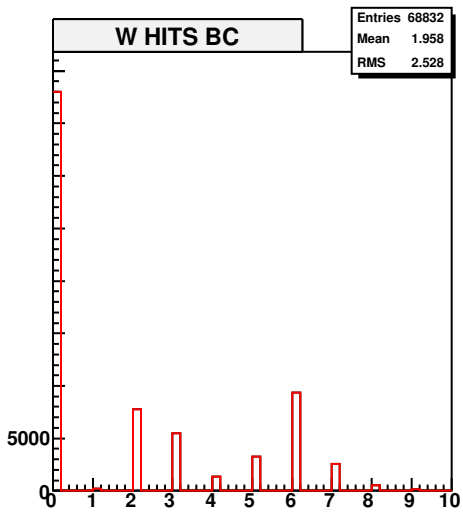


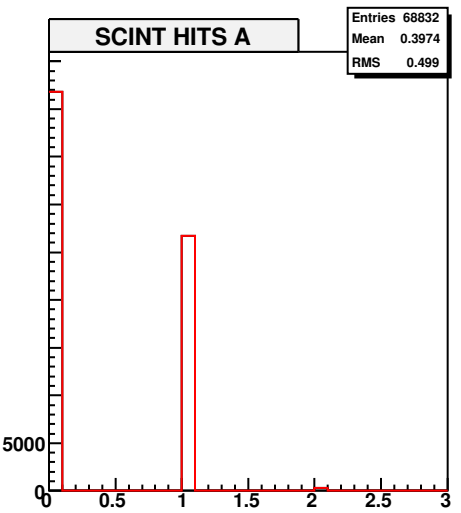


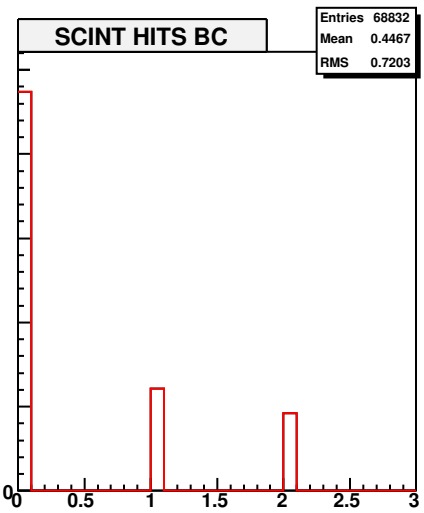




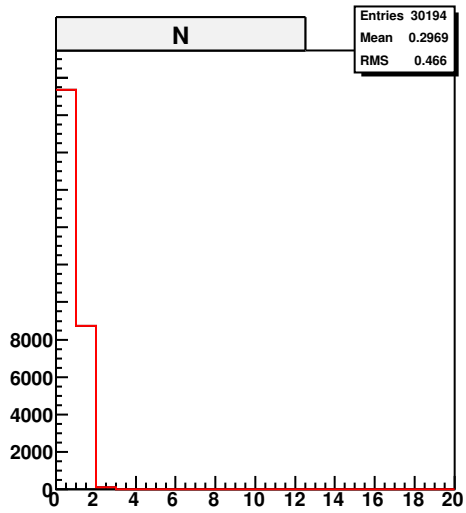


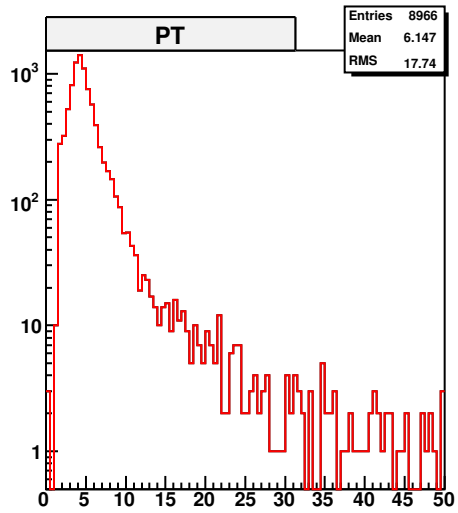


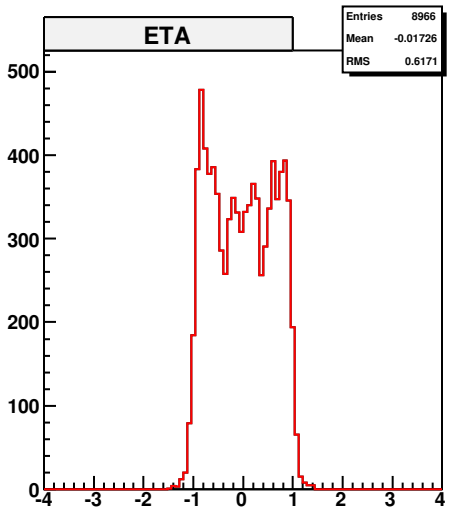


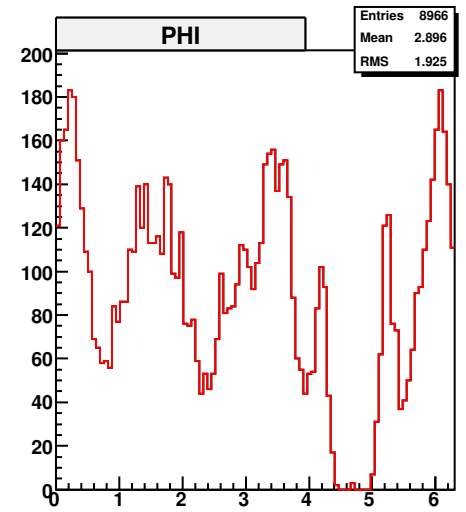


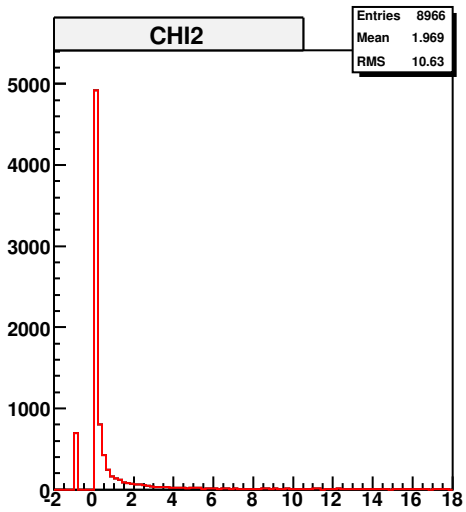
Muon Local Tracks (All)

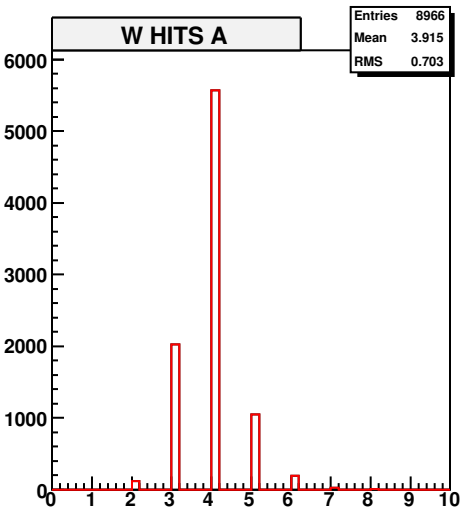


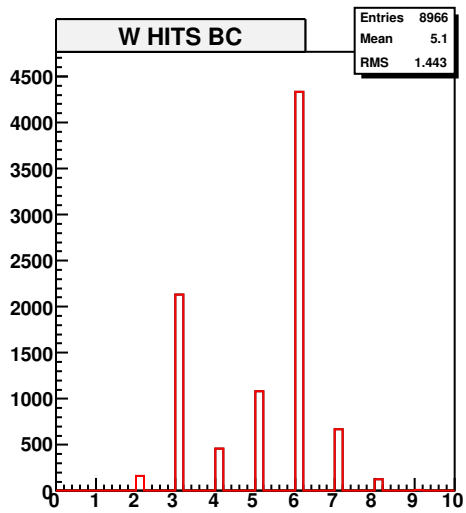


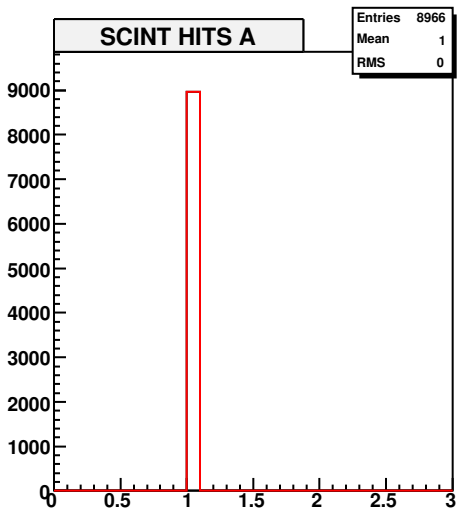


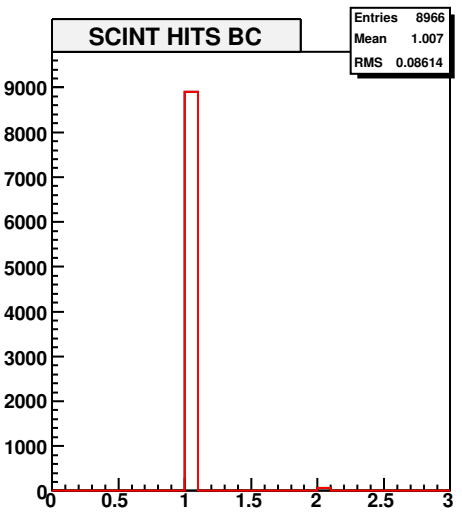




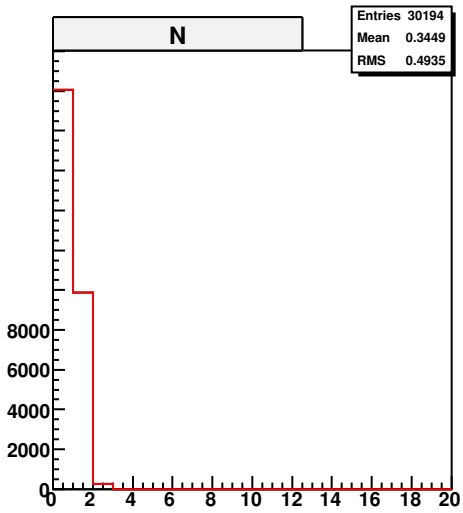


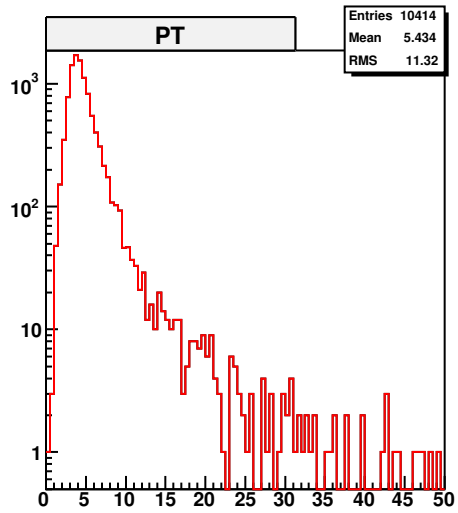


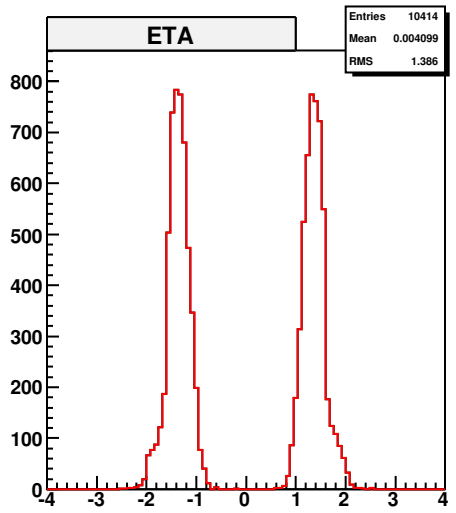


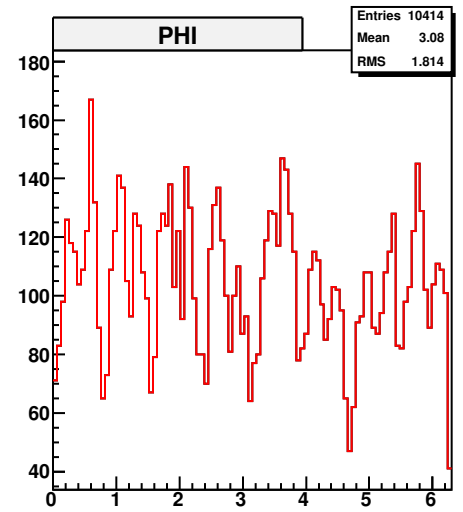


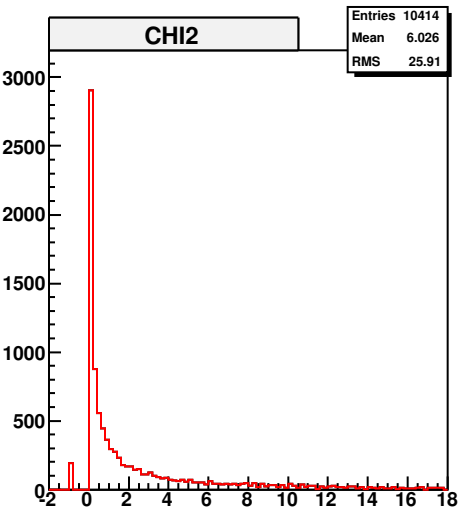
Muon Local Tracks (MediumWamus)

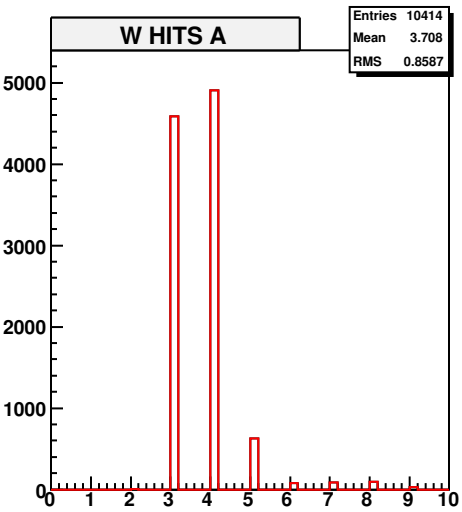


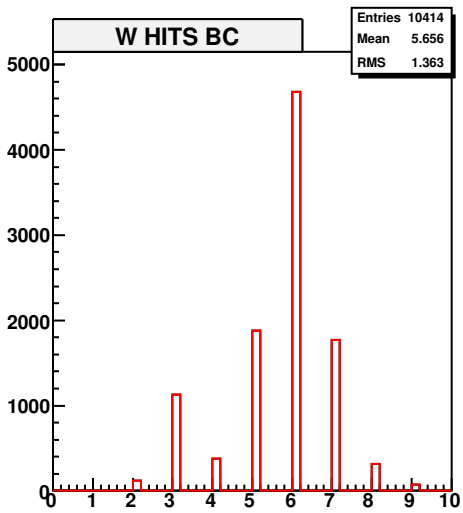


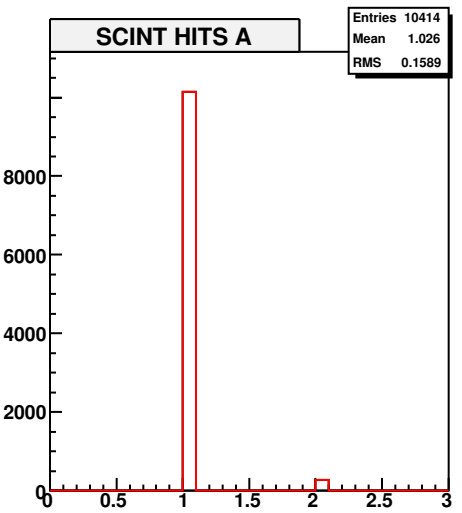


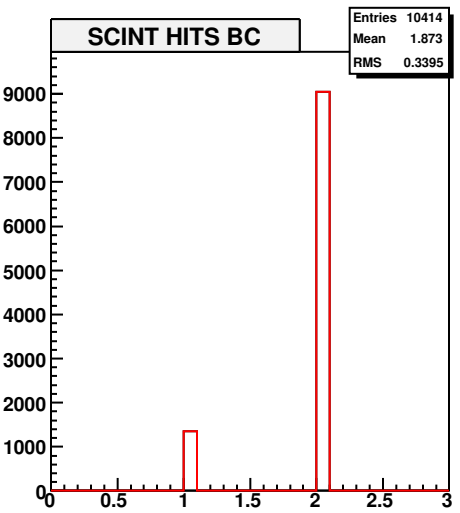




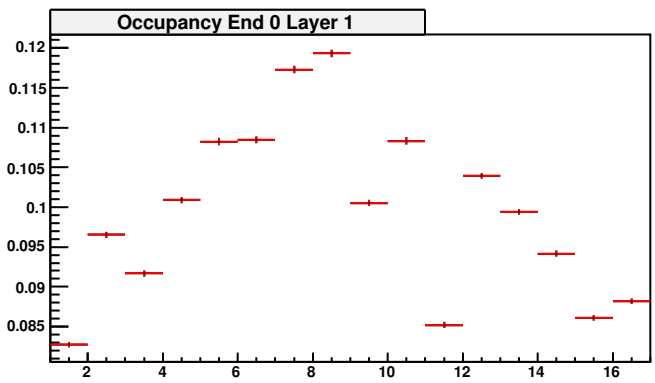


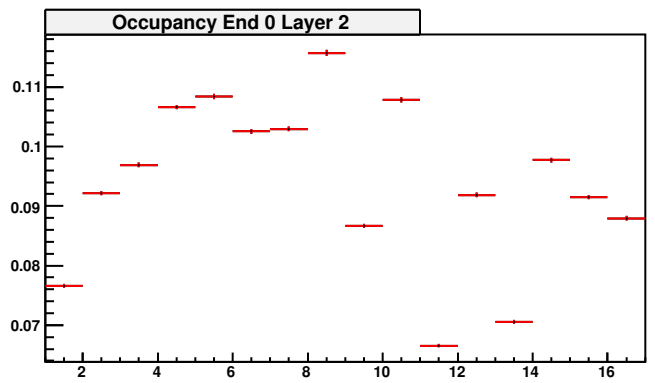


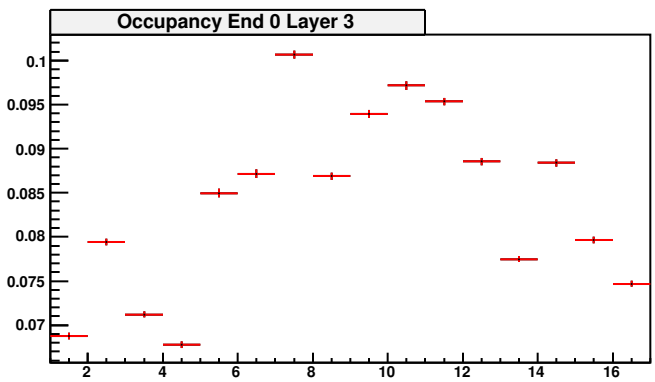


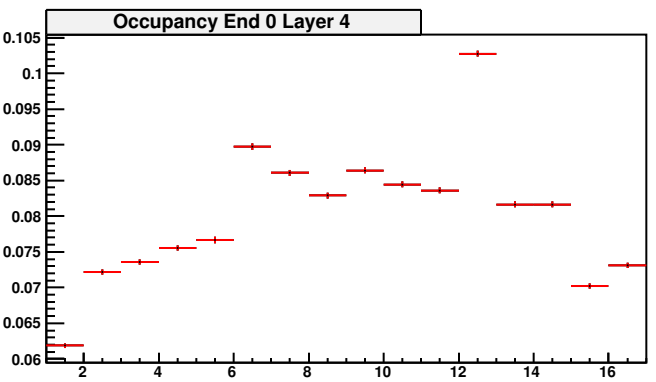


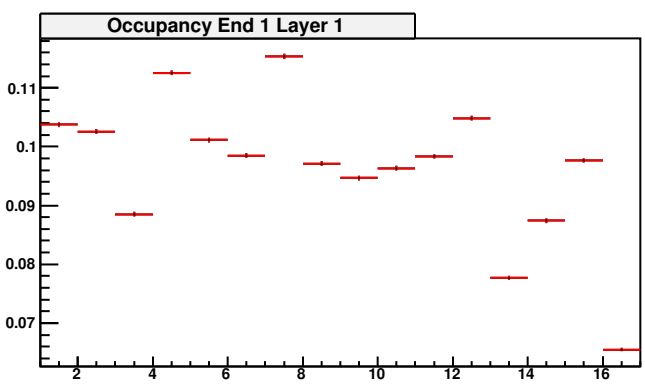
Muon Local Tracks (MediumFamus)

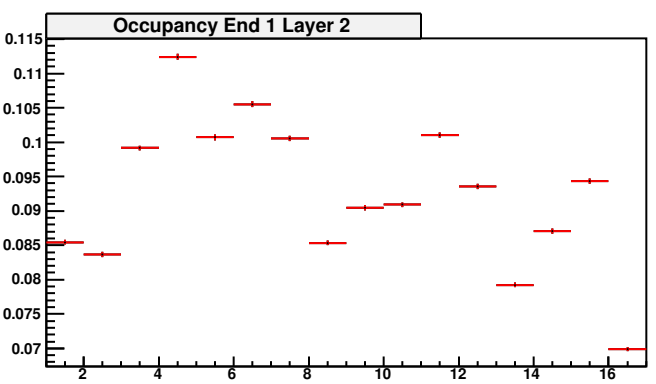


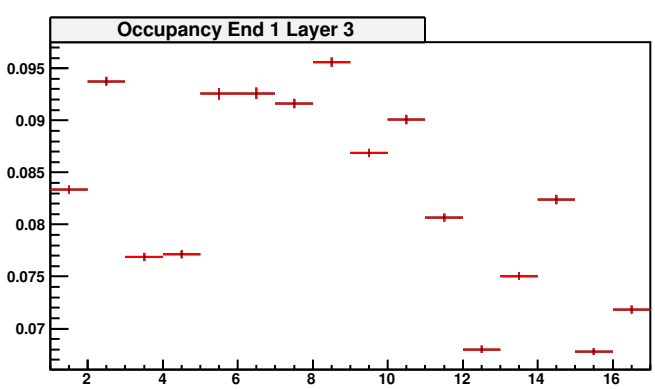


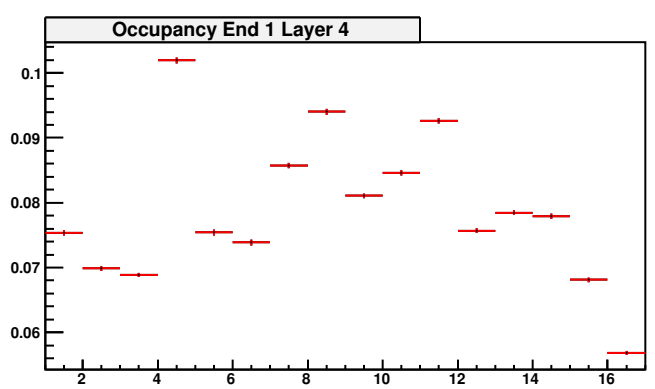




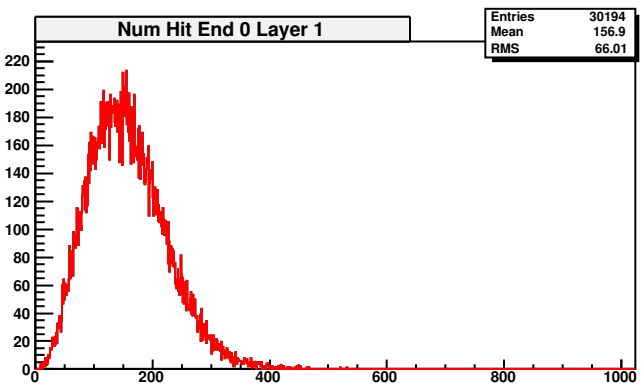


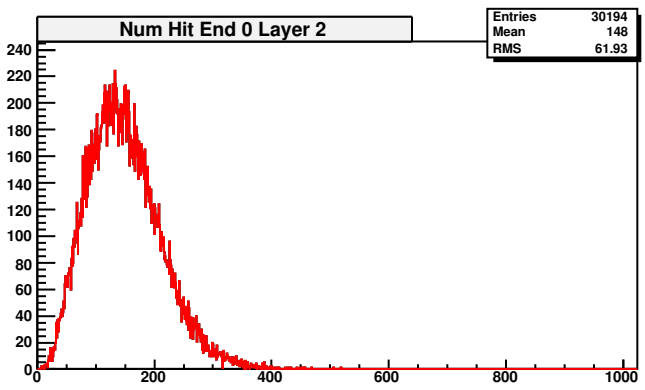


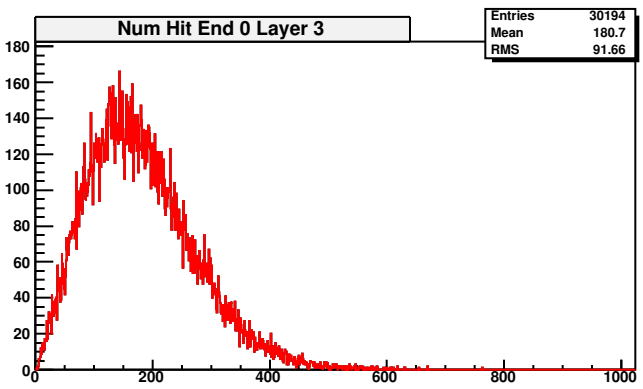


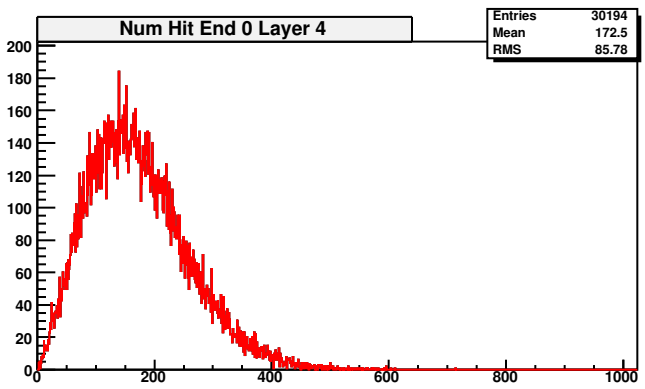


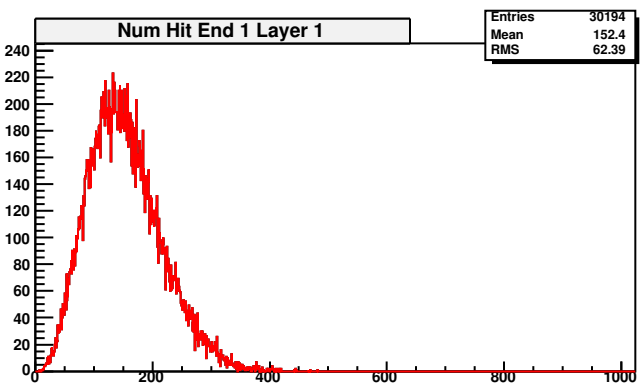
FPS Hit Occupancy (All)

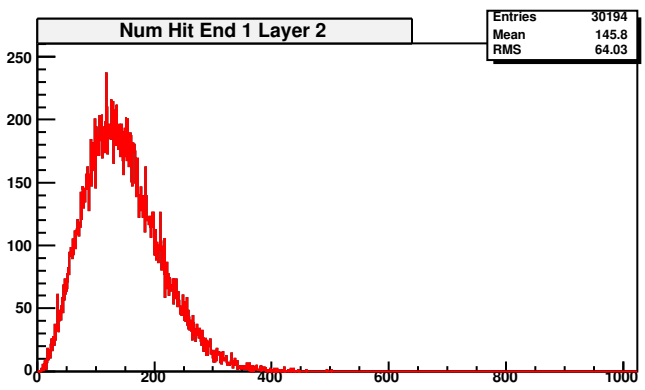


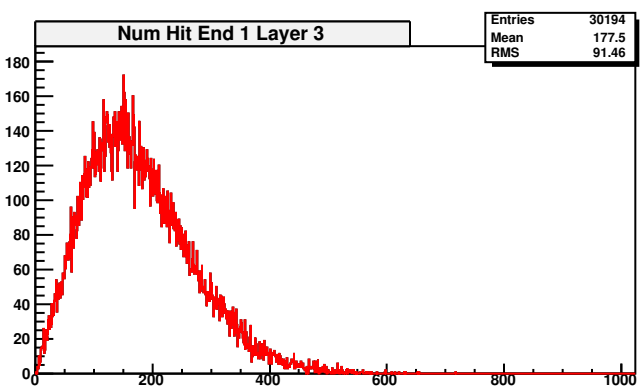


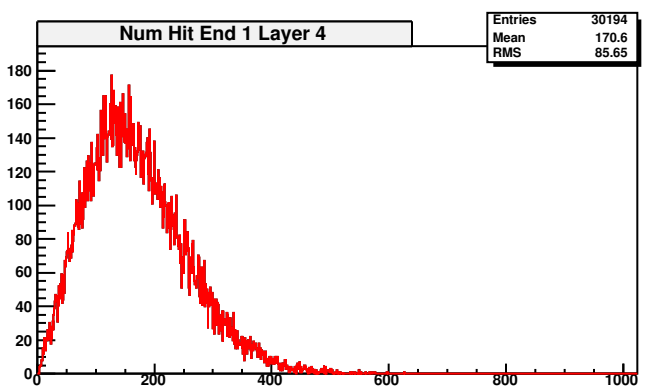




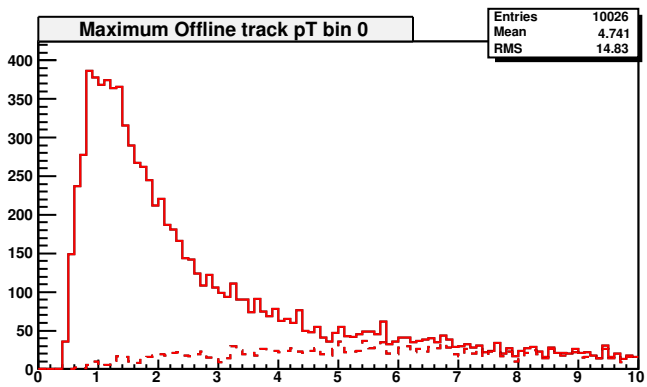


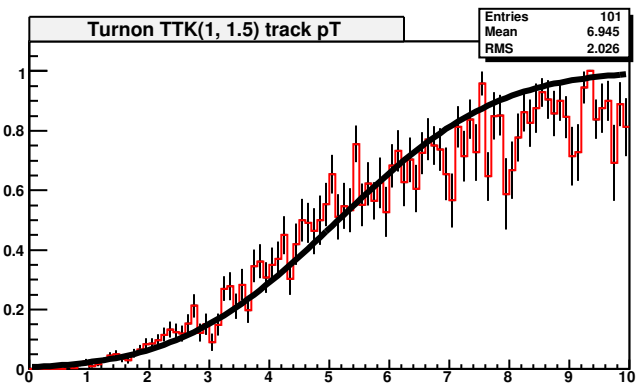


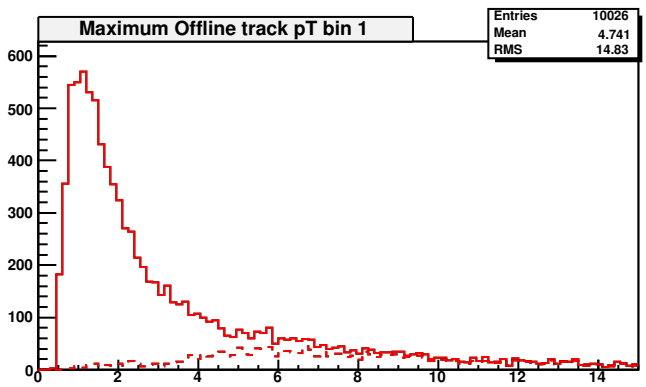


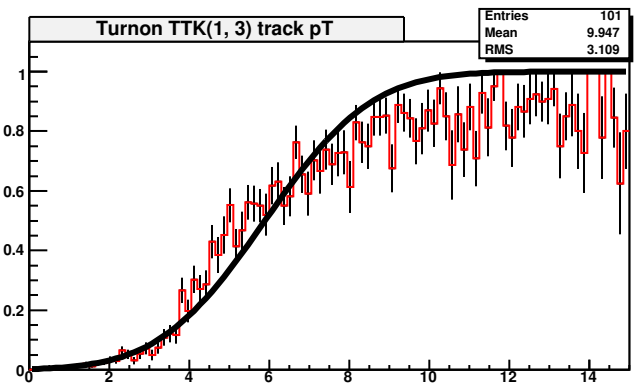


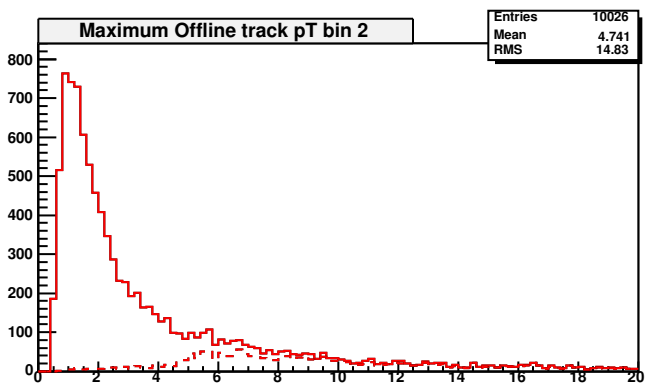
FPS Number of Hits (All)

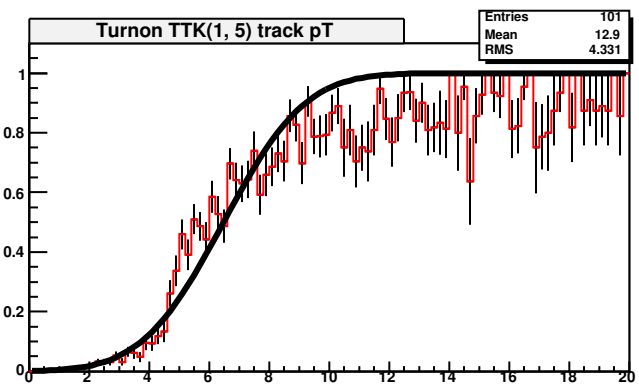


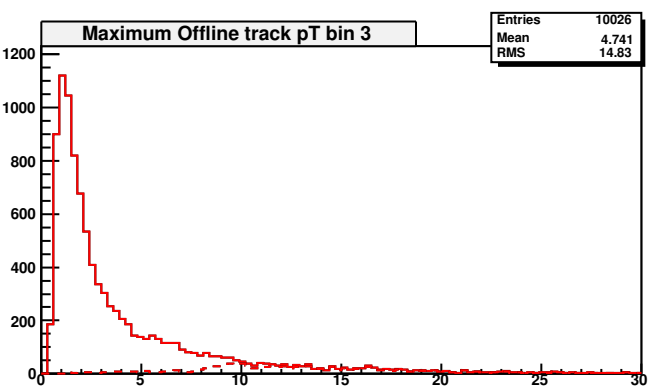


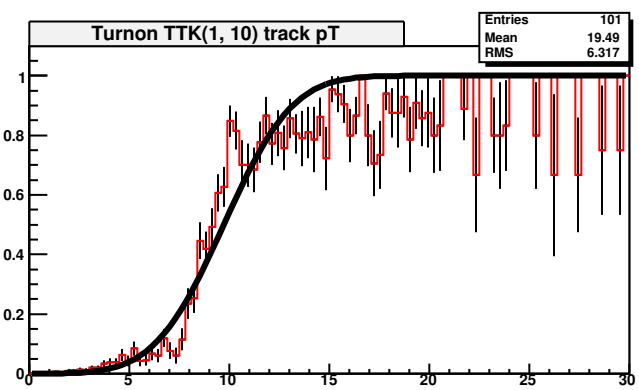




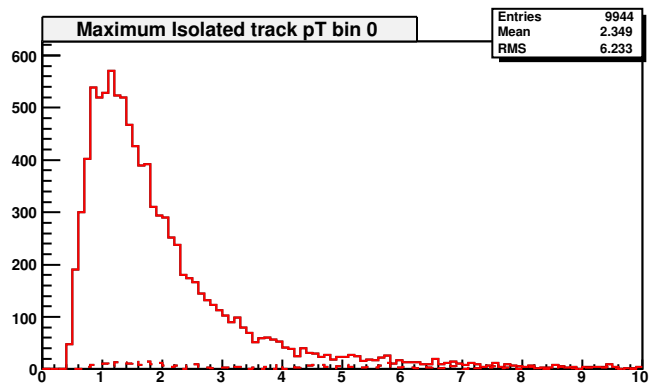


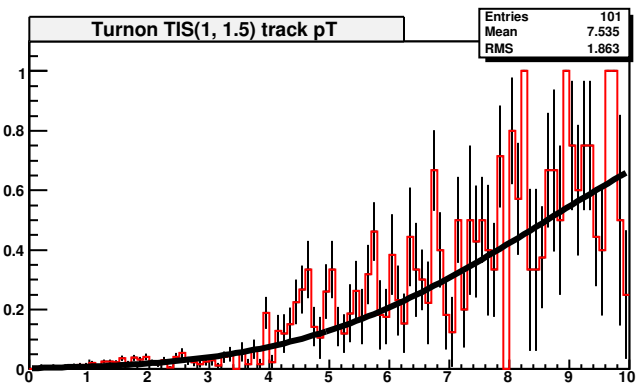


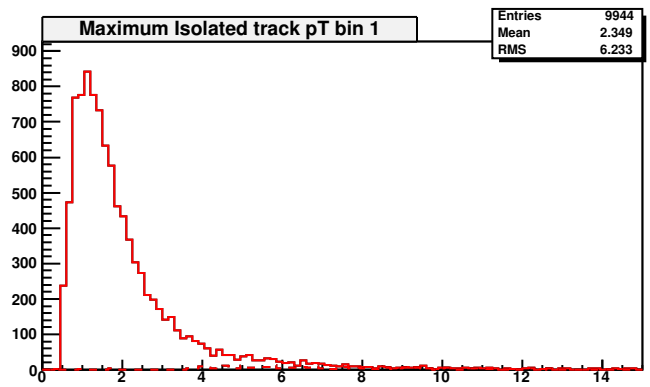


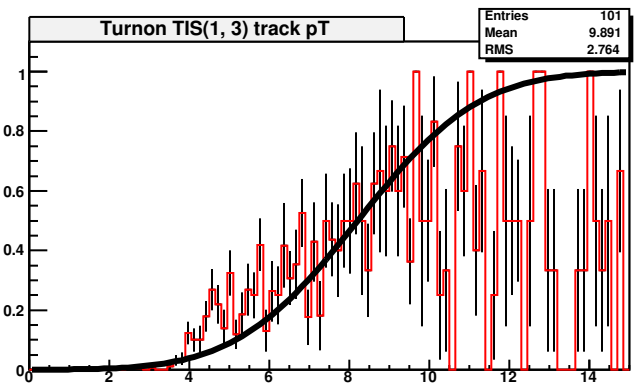


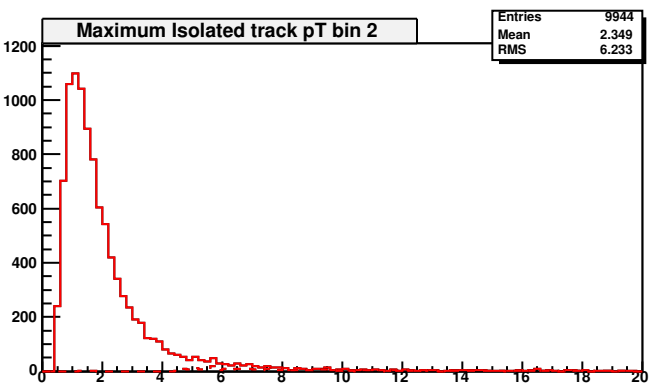
TTK Turnon curves (L1CTT All)

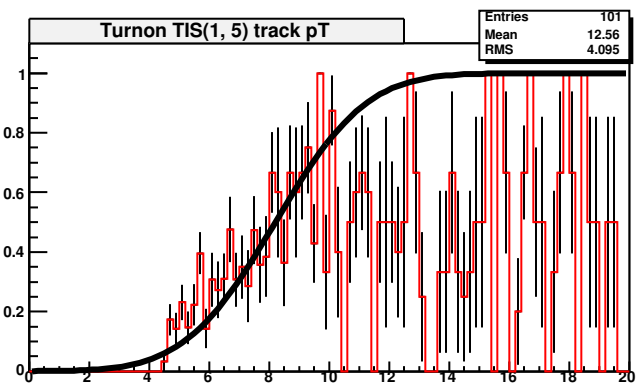


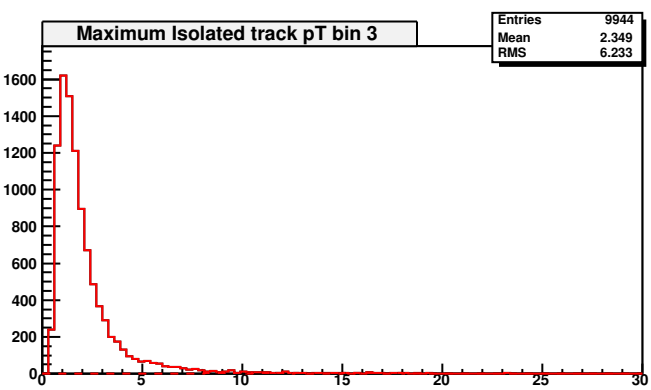


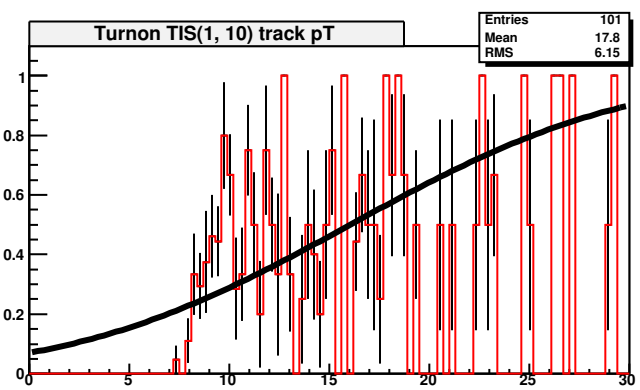




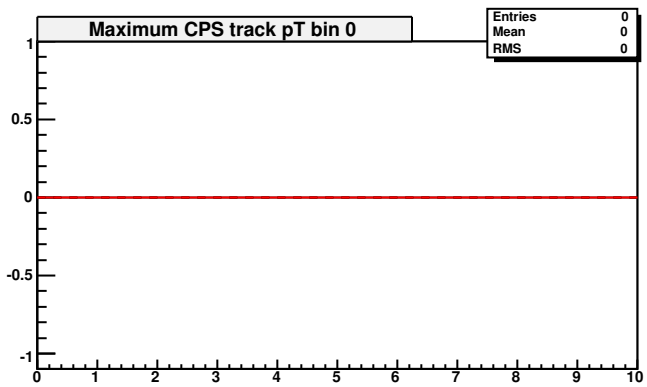


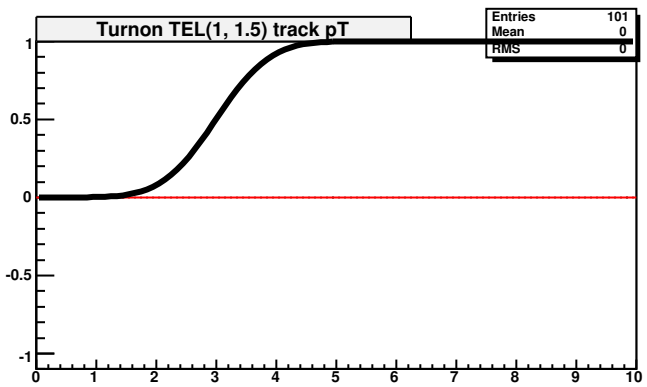


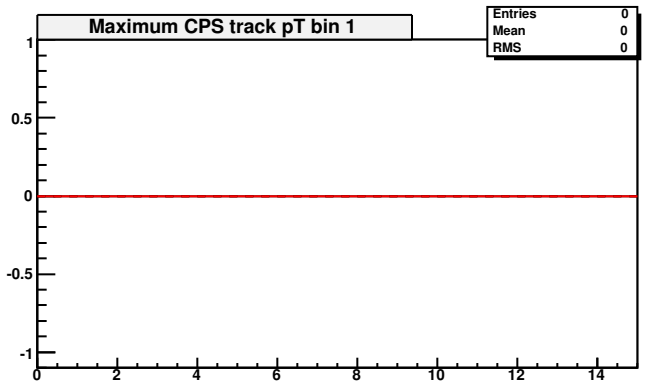


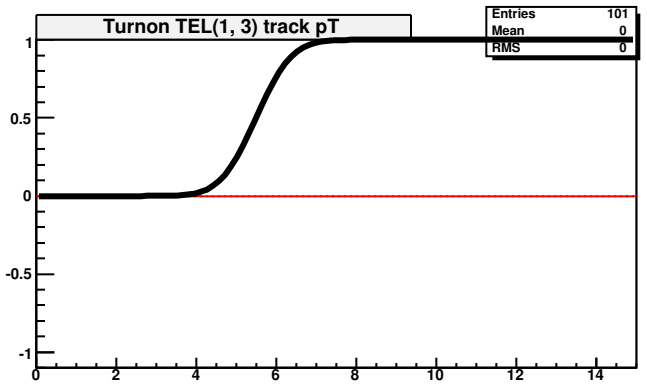


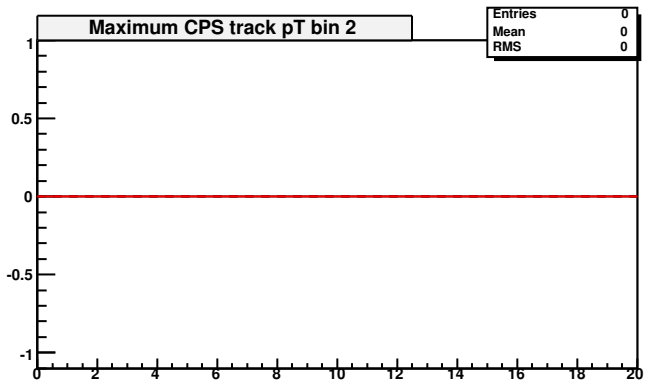
TIS Turnon curves (L1CTT All)

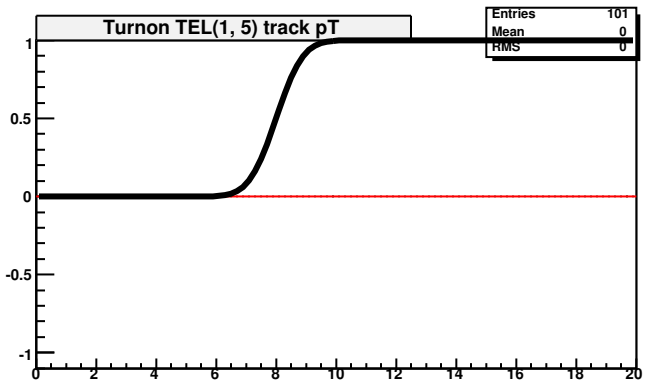


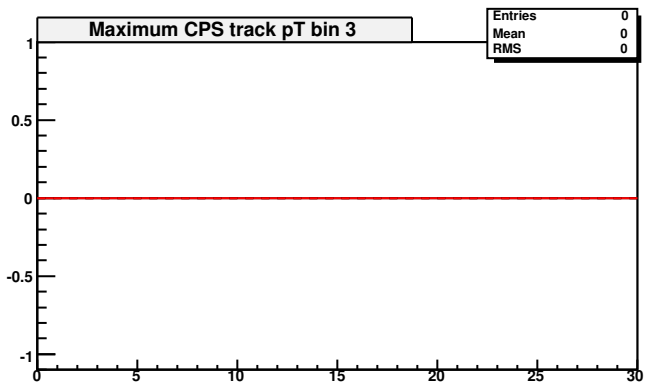


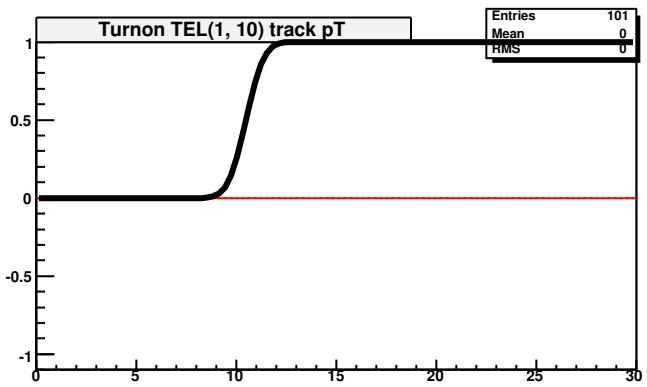




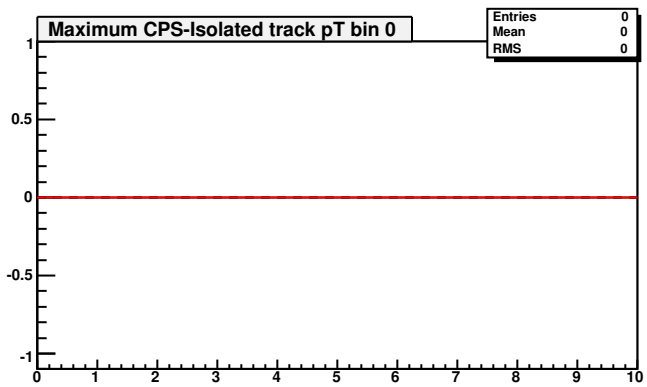


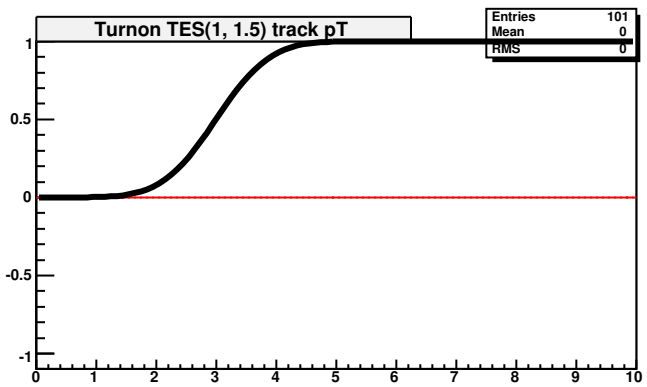


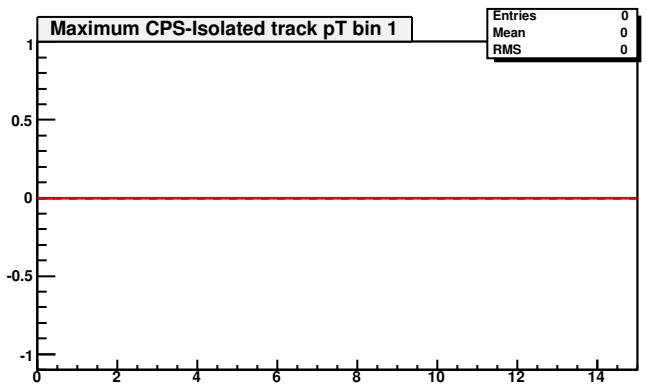


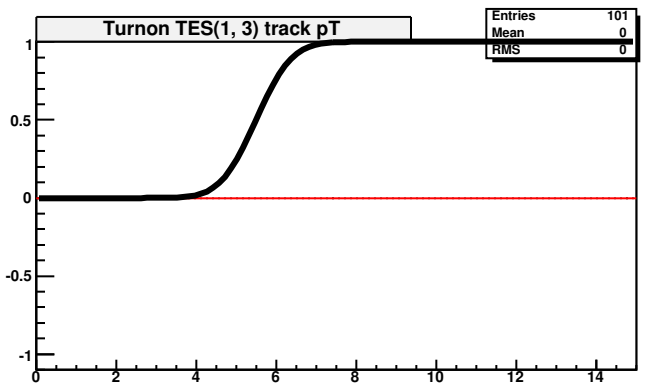


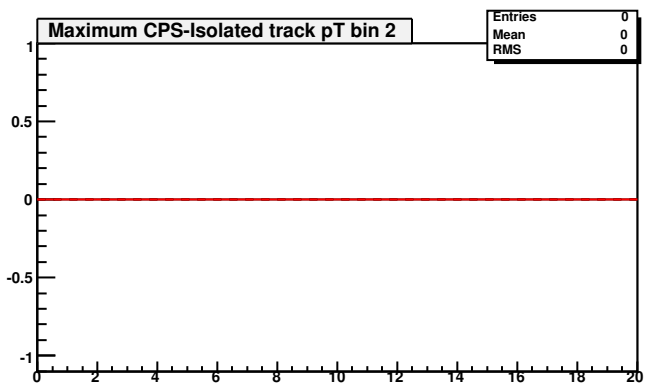
TEL Turnon curves (L1CTT All)

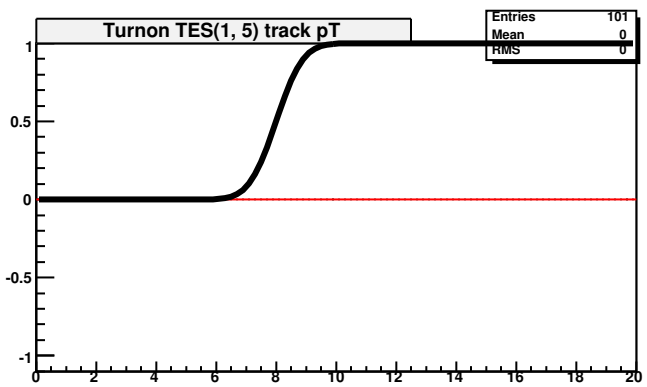


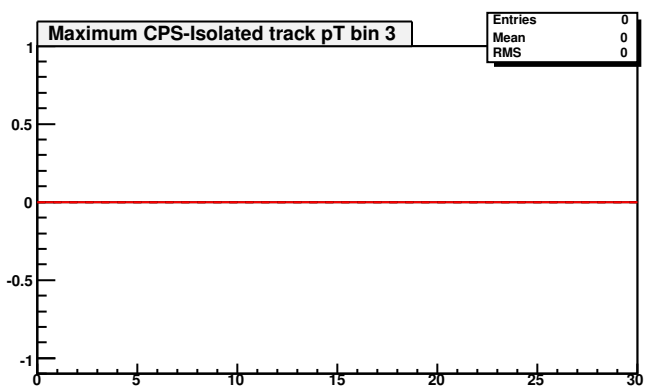


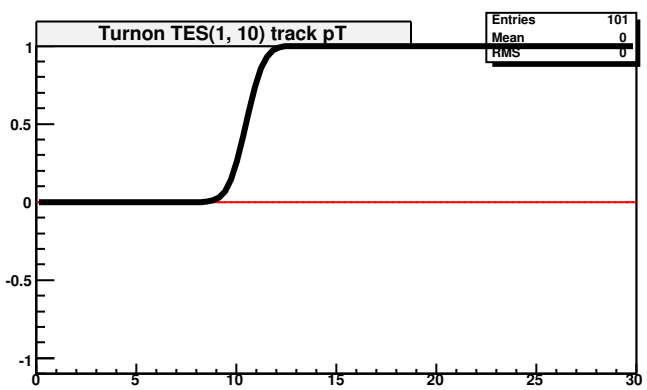




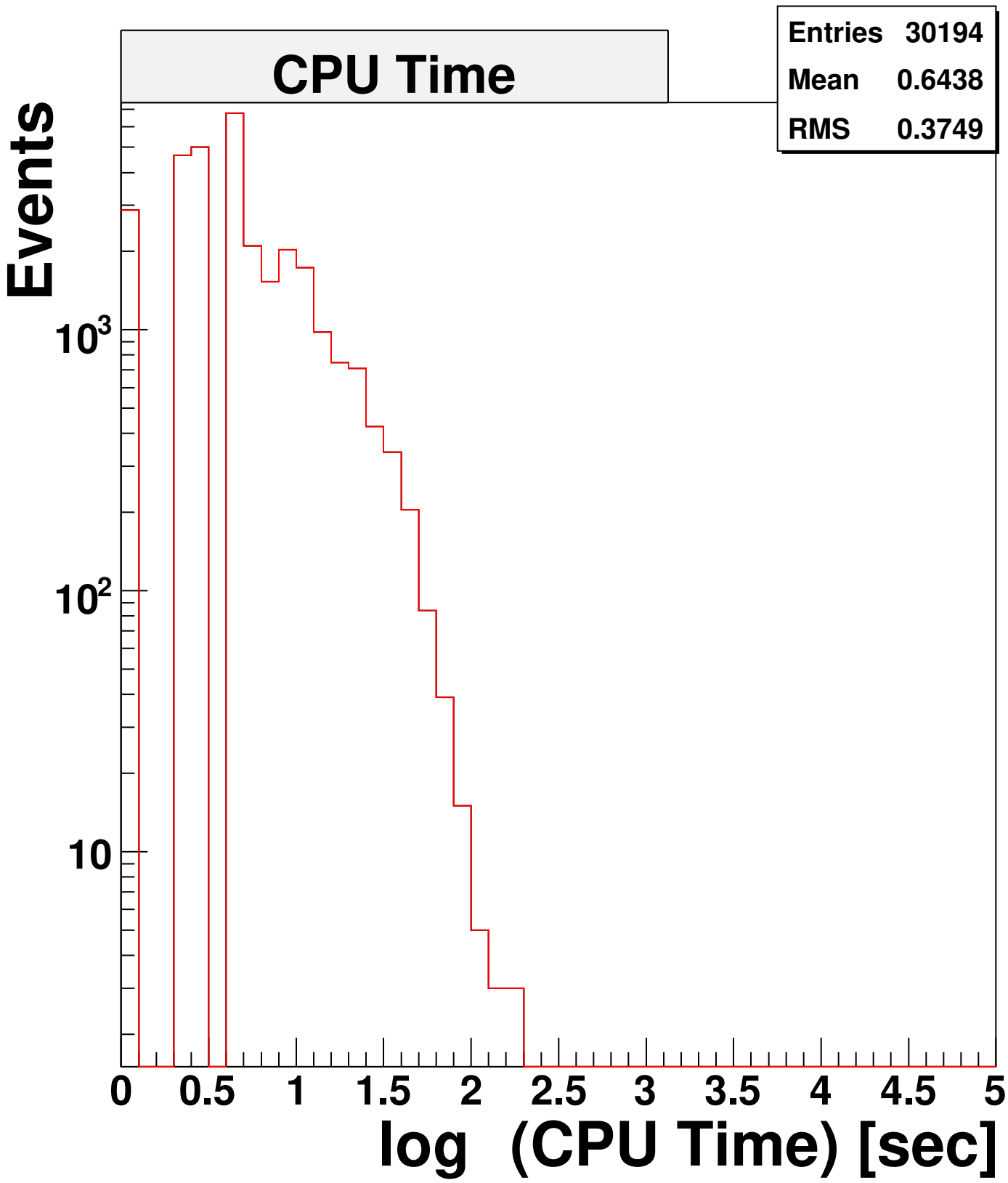








TES Turnon curves (L1CTT All)



RECO Performance (Timing)