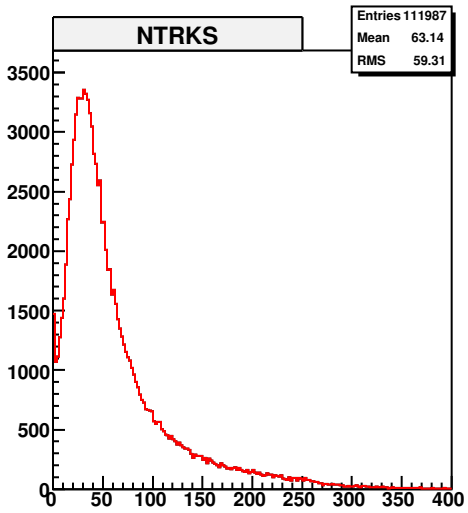
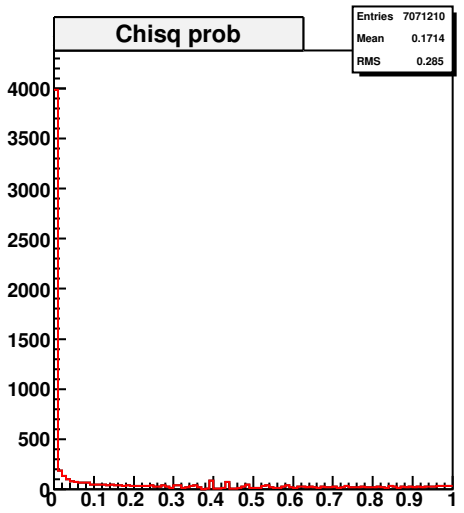
dayset-2006-08-27-all_2-224619-0_certification_20070
../unmerged/dayset-2006-08-27-all_2-224619-0_certific

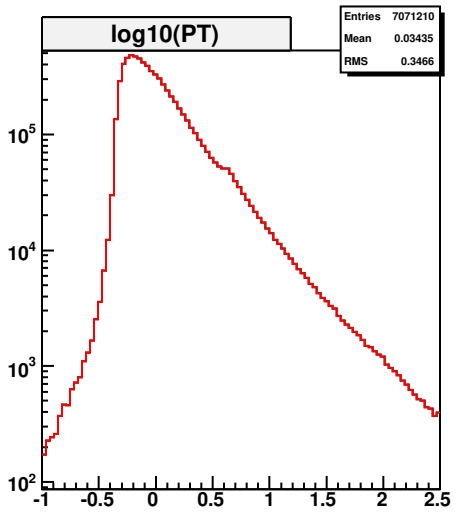
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracking (Efficiency - Isolated)
Page 6: Tracking (Efficiency - InJets)
Page 7: Vertices (Primary - all candidates)
Page 8: Vertices (Primary - best)
Page 9: V0 (All)
Page 10: V0 (B mesons)
Page 11: Electrons (SCONE All)
Page 12: Electrons (SCONE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

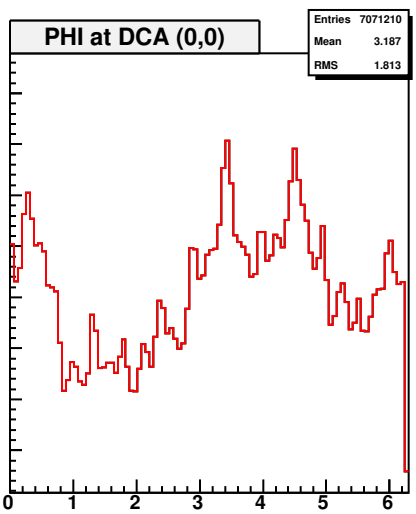
RecoCert_Plots (Index)

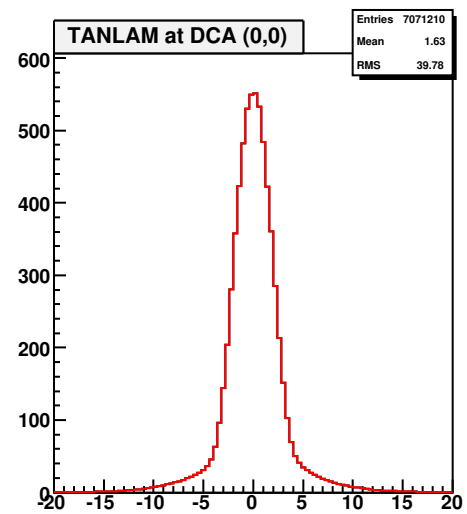
Page 54: FPS Trigger Sector Occupancy
Page 55: FPS Number of Hits
Page 56: L1CTT TTK Trigger Turn-on (All)
Page 57: L1CTT TIS Trigger Turn-on (All)
Page 58: L1CTT TEL Trigger Turn-on (All)
Page 59: L1CTT TES Trigger Turn-on (All)
Page 60: RECO Performance (Timing)

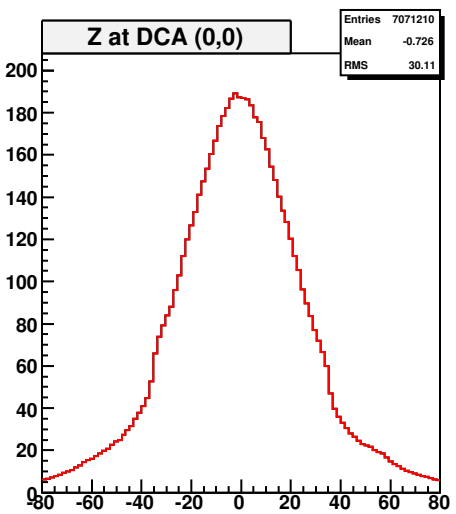

NTRKS
Entries 111987
Mean 63.14
RMS 59.31

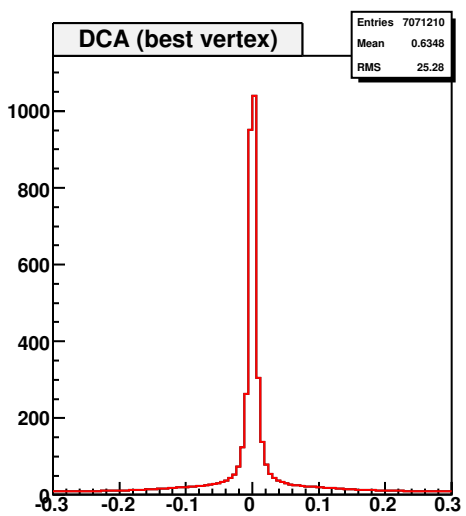

Chisq prob
Entries 7071210
Mean 0.1714
RMS 0.285

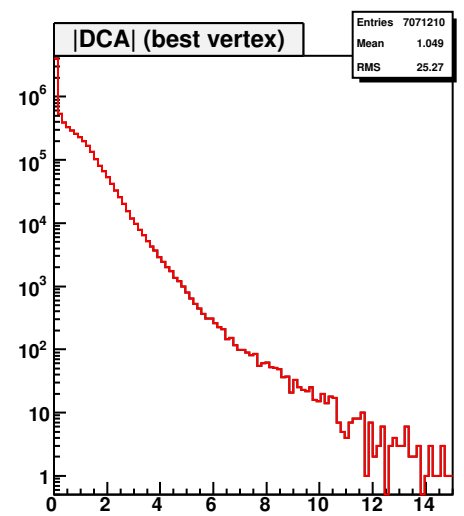

log10(PT)
Entries 7071210
Mean 0.03435
RMS 0.3466

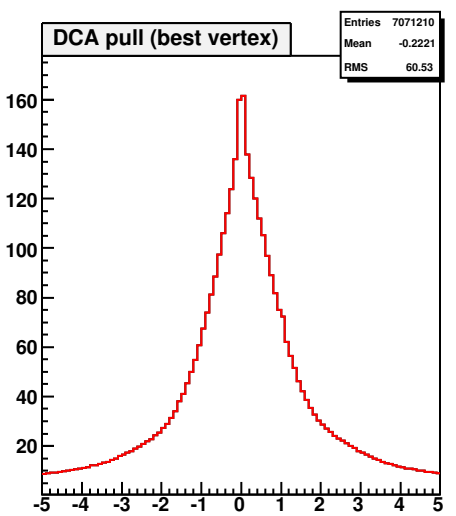

PHI at DCA (0,0)
Entries 7071210
Mean 3.187
RMS 1.813


TANLAM at DCA (0,0)
Entries 7071210
Mean 1.63
RMS 39.78

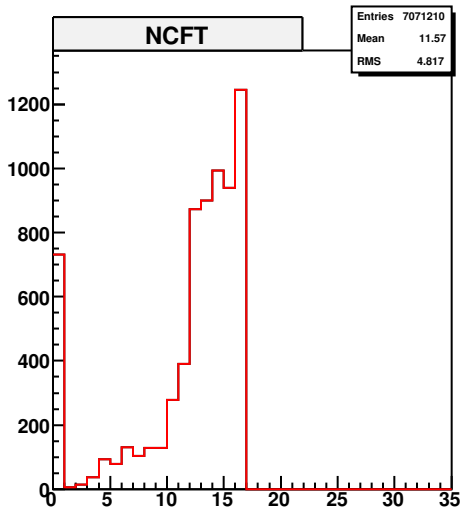

Z at DCA (0,0)
Entries 7071210
Mean -0.726
RMS 30.11

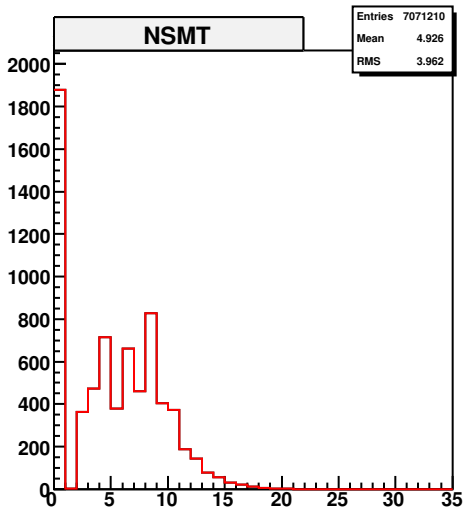

DCA (best vertex)
Entries 7071210
Mean 0.6348
RMS 25.28

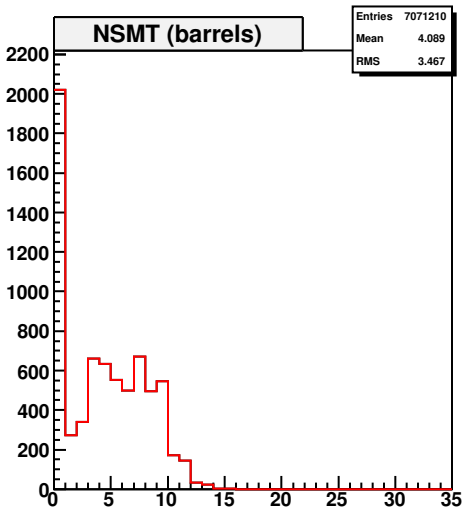

|DCA| (best vertex)
Entries 7071210
Mean 1.049
RMS 25.27

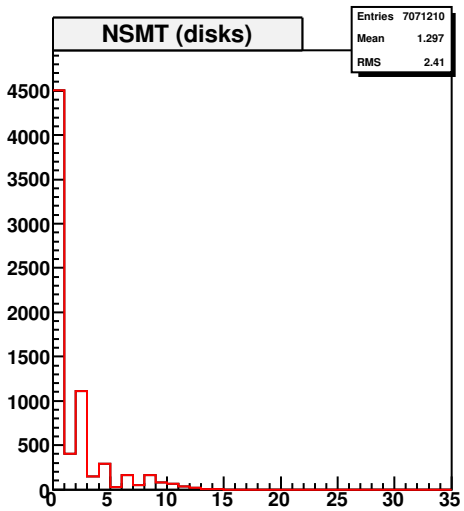

DCA pull (best vertex)
Entries 7071210
Mean -0.2221
RMS 60.53

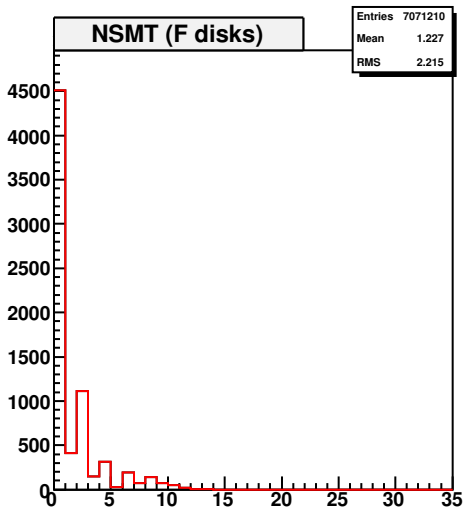
Tracks (All)

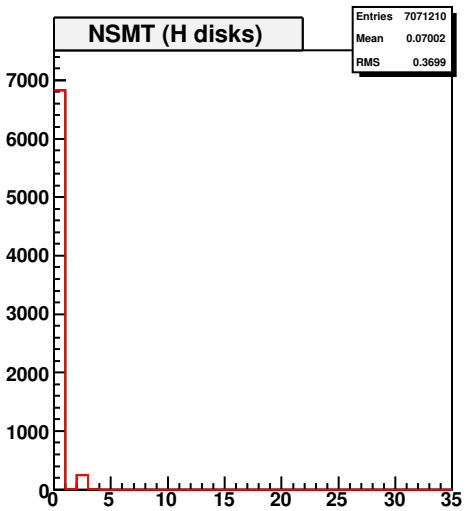


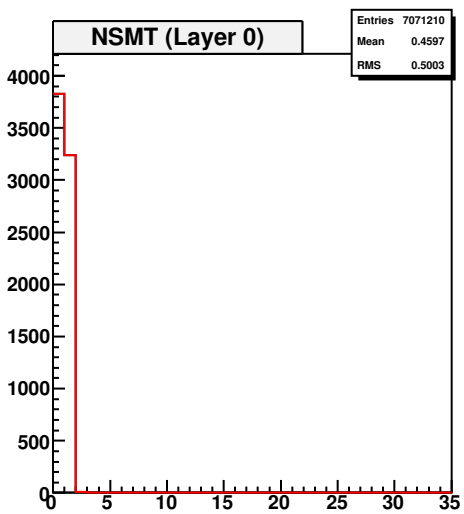




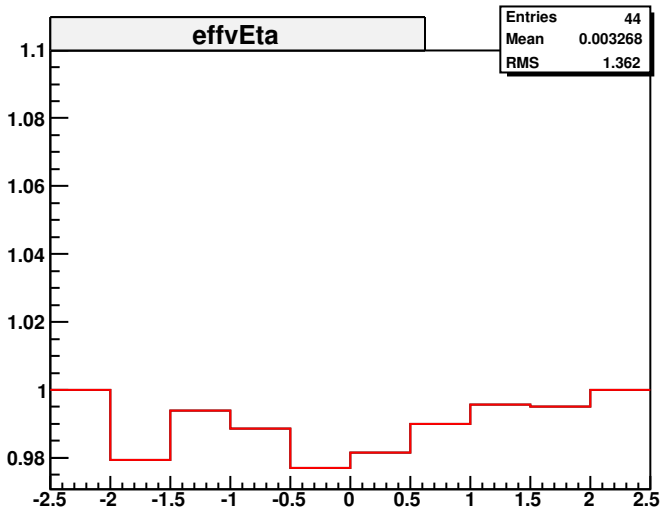


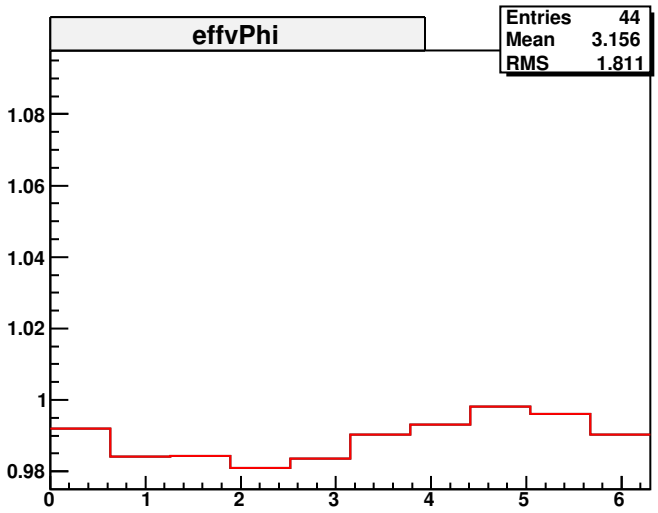


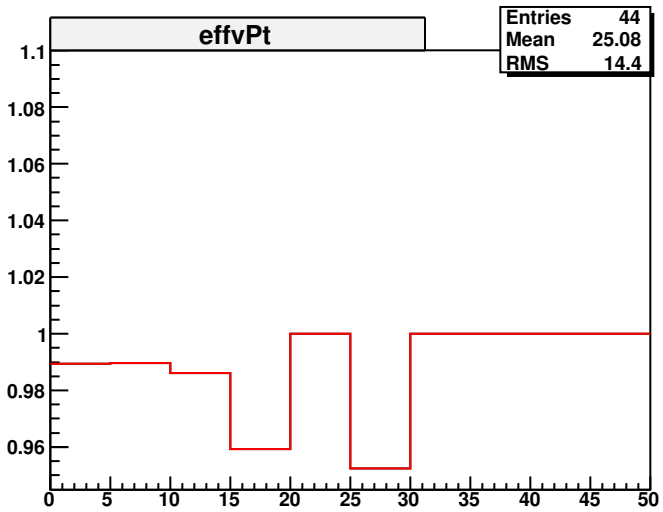


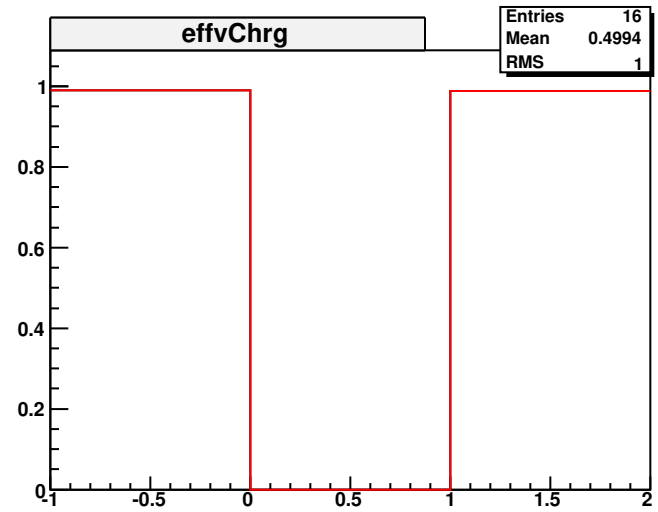


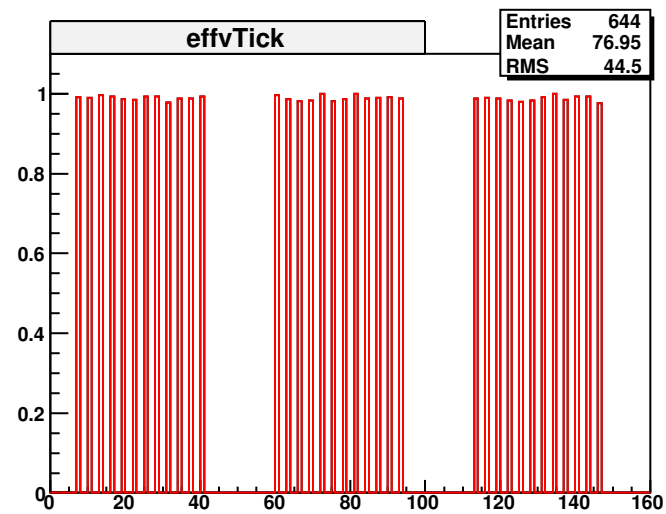
Track Hits (All)

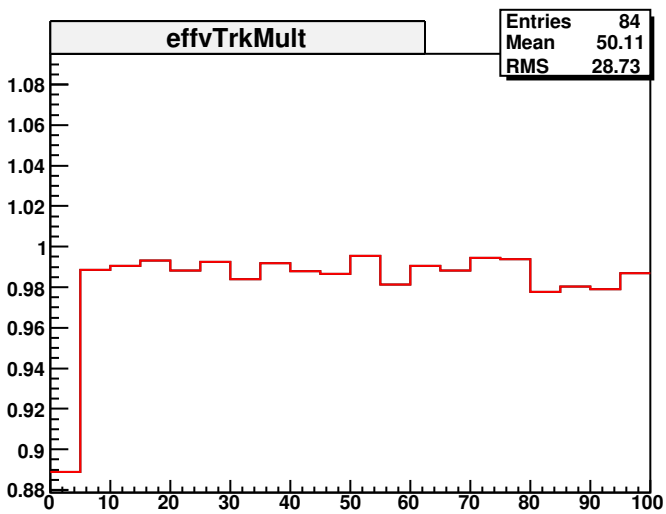




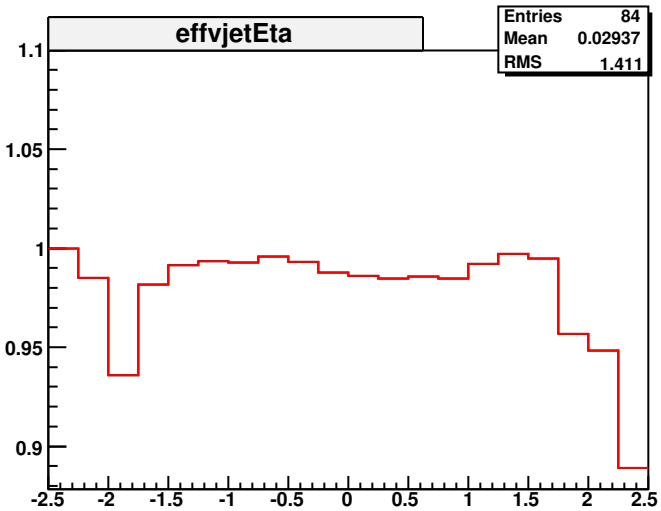


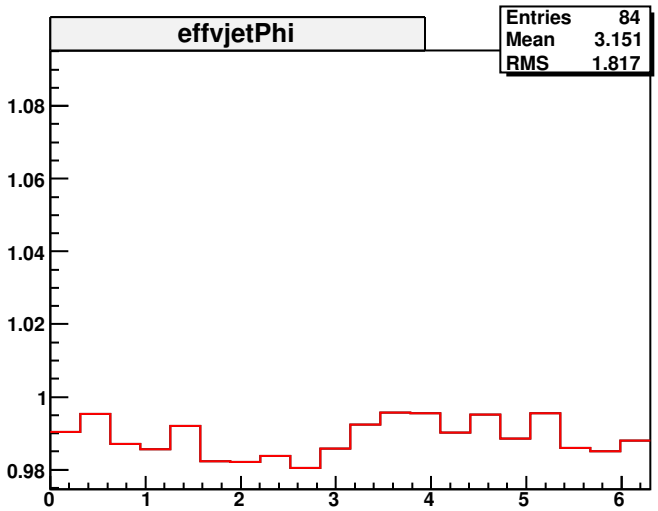


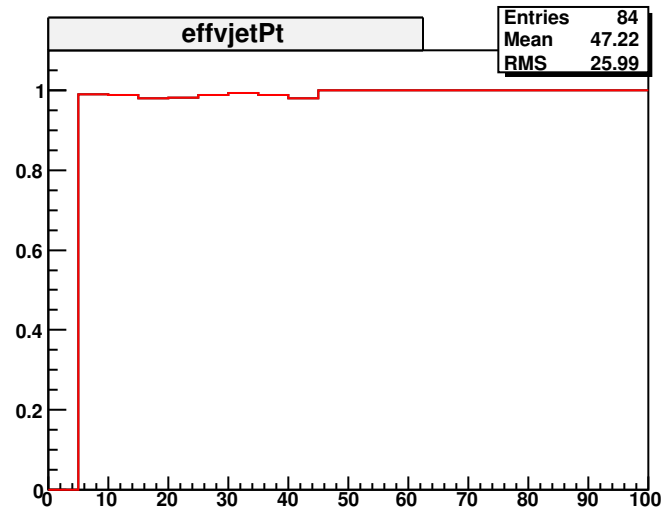




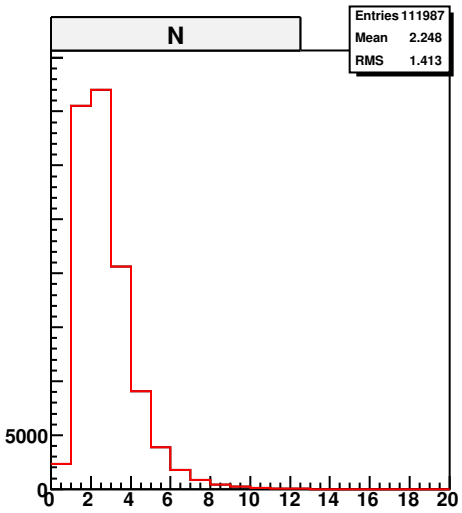
Tracking (Efficiency-Isolated)

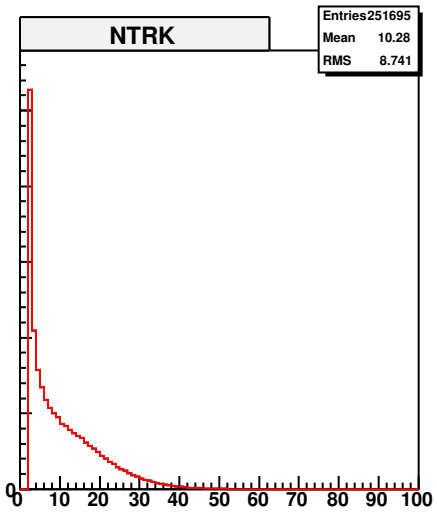


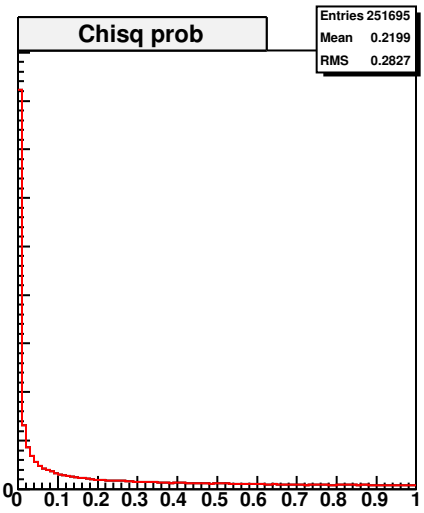


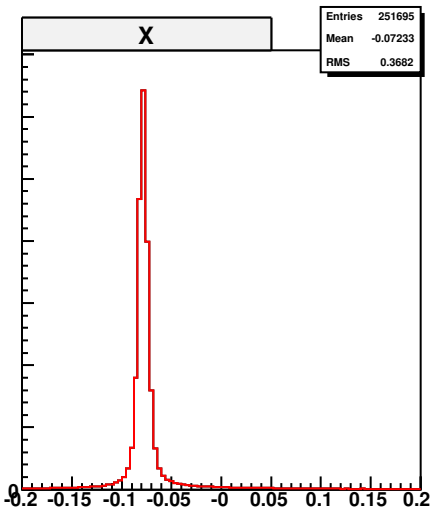


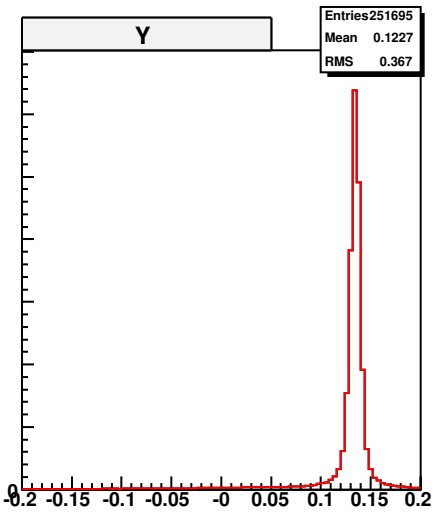
Tracking (Efficiency-InJets)

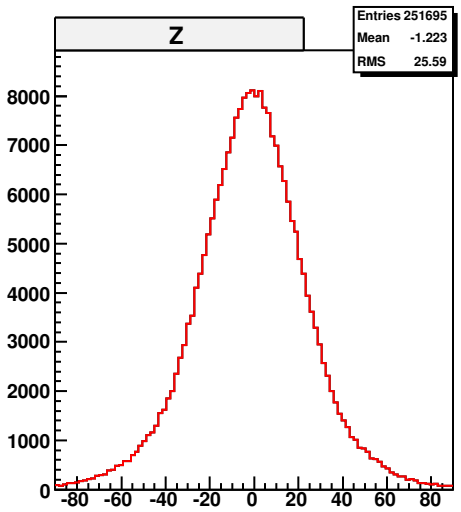




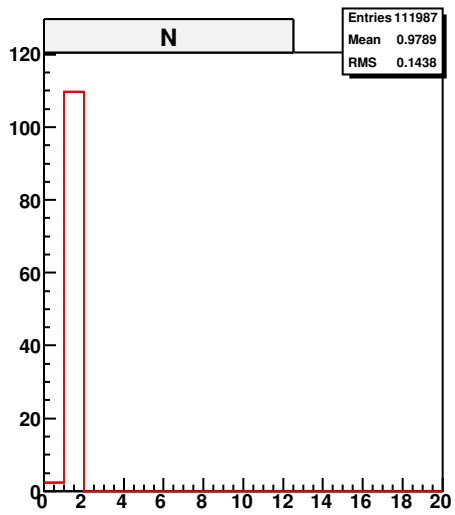


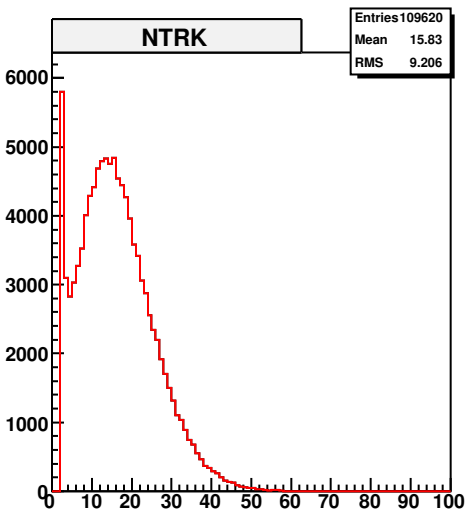


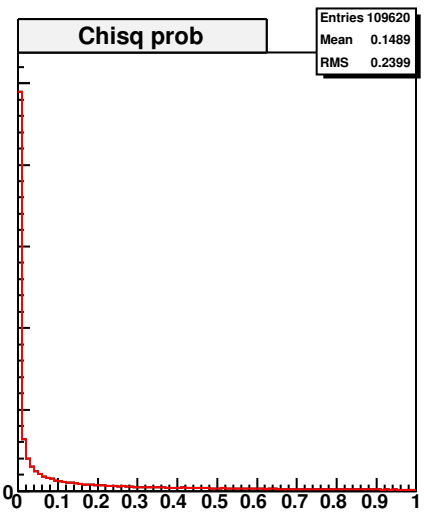


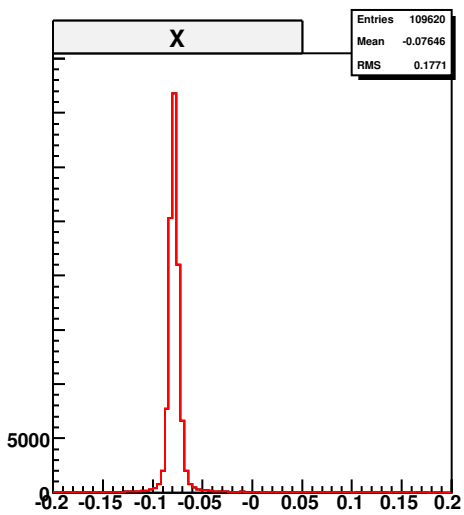


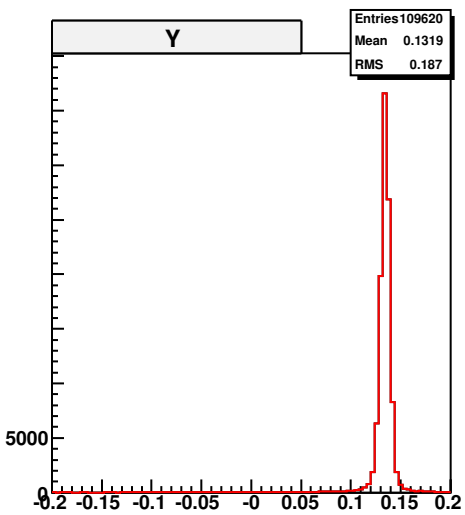
Vertices (Primary - all candidates)

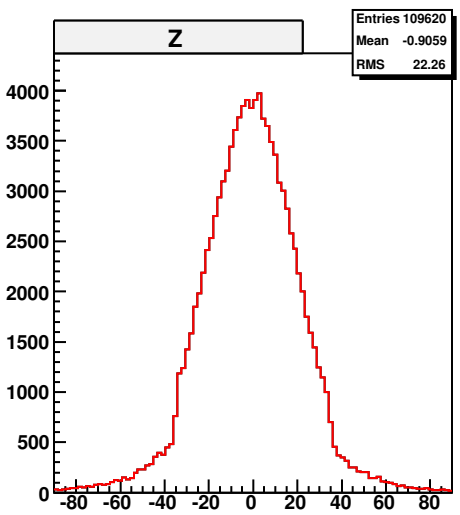




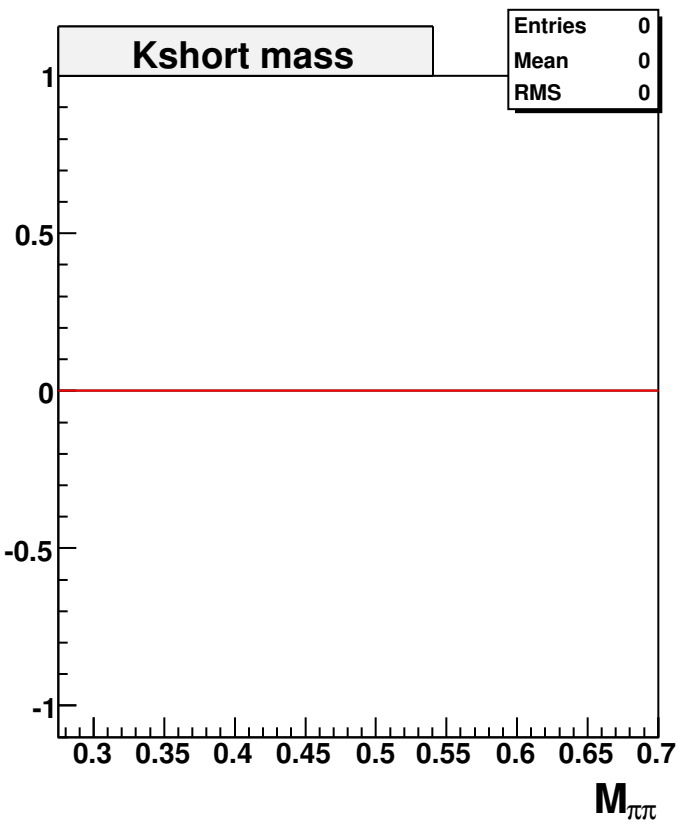


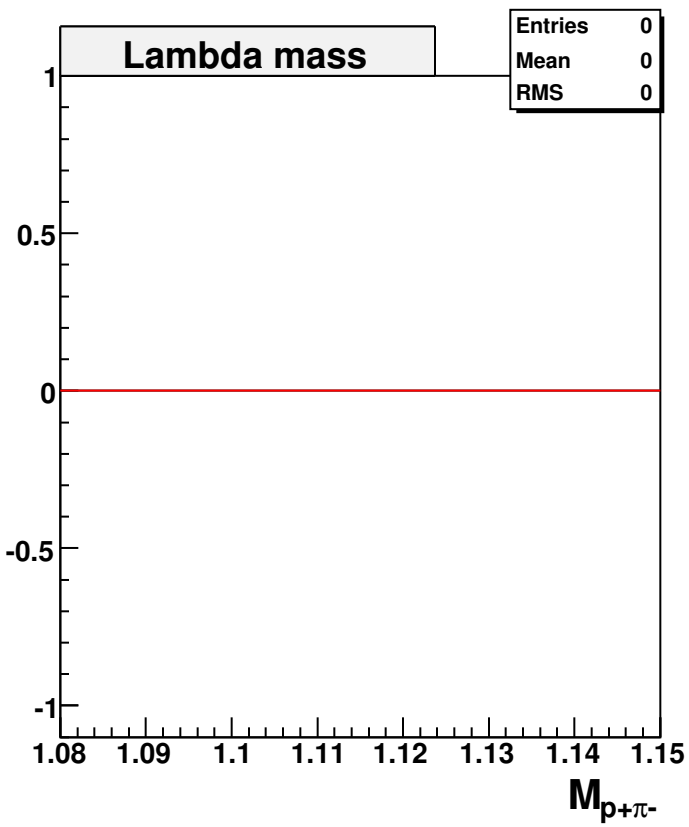


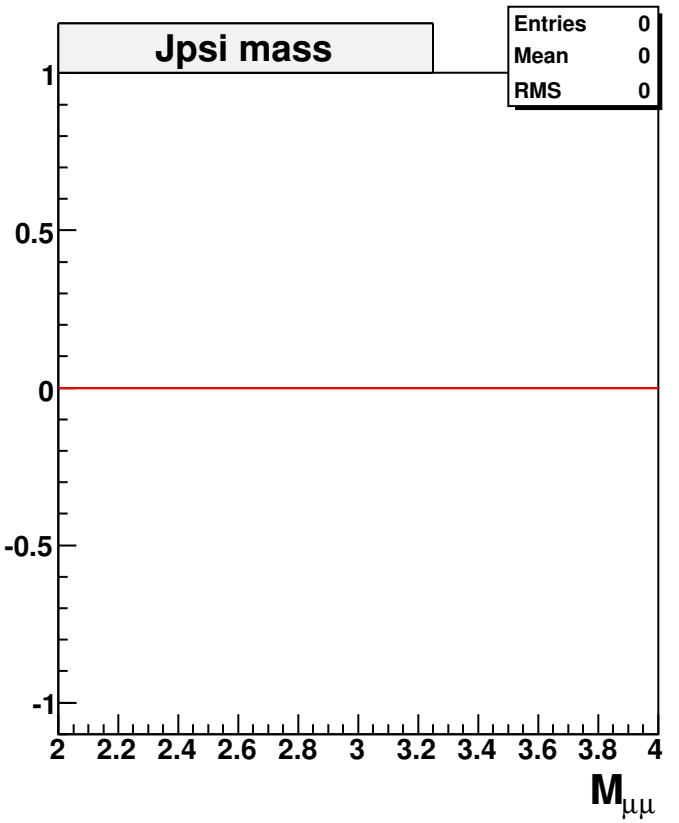


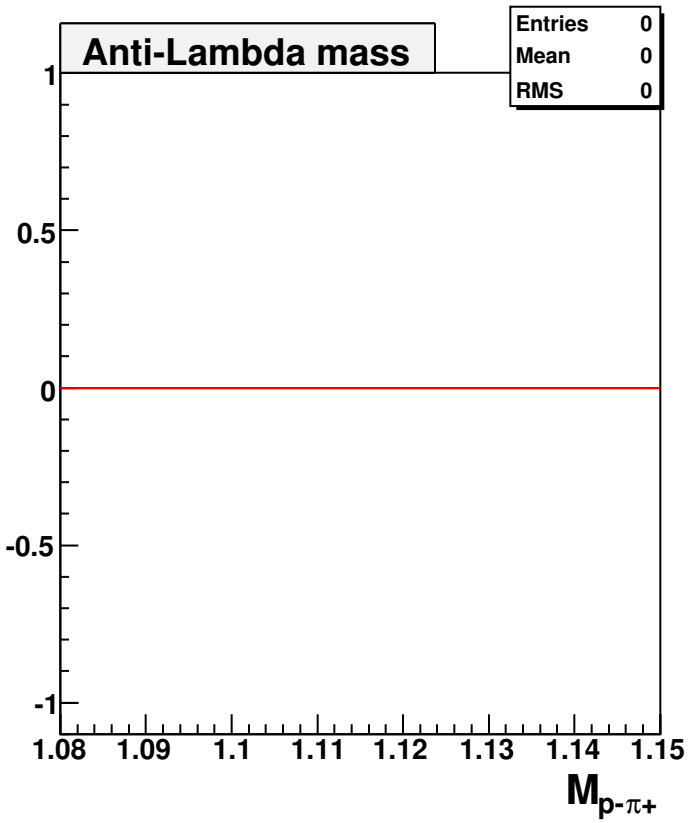


Vertices (Primary - best)

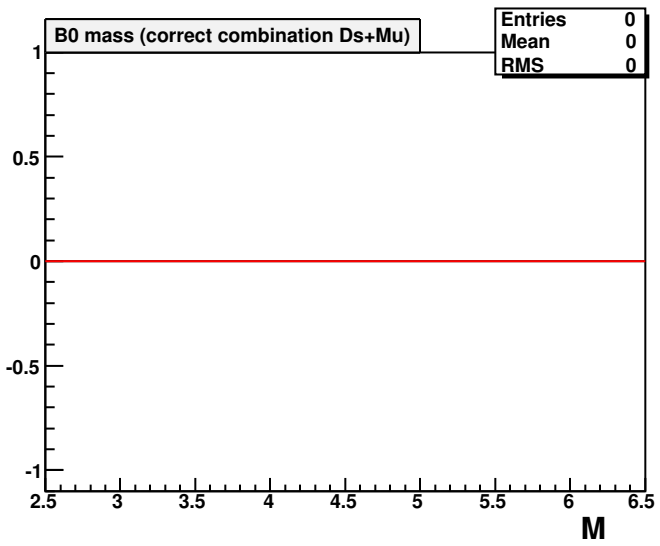

Kshort mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
$M_{\pi\pi}$

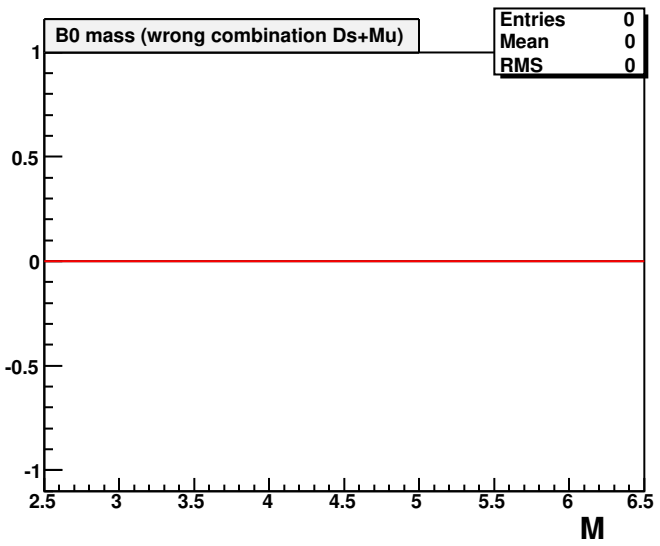

Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p+\pi-}$

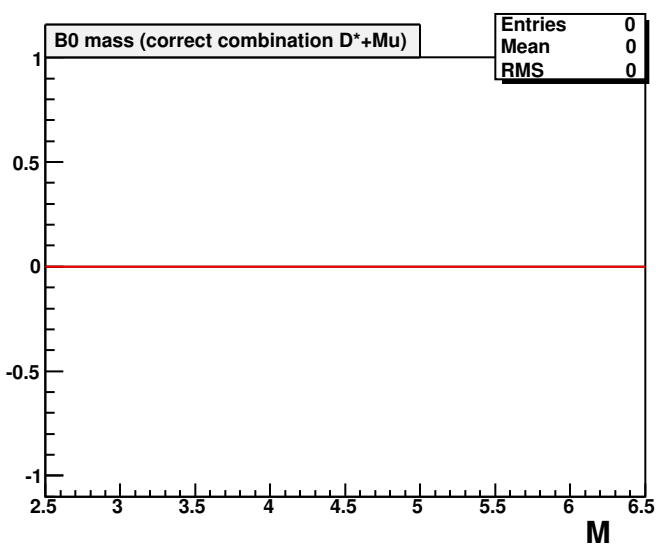

Jpsi mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
$M_{\mu\mu}$

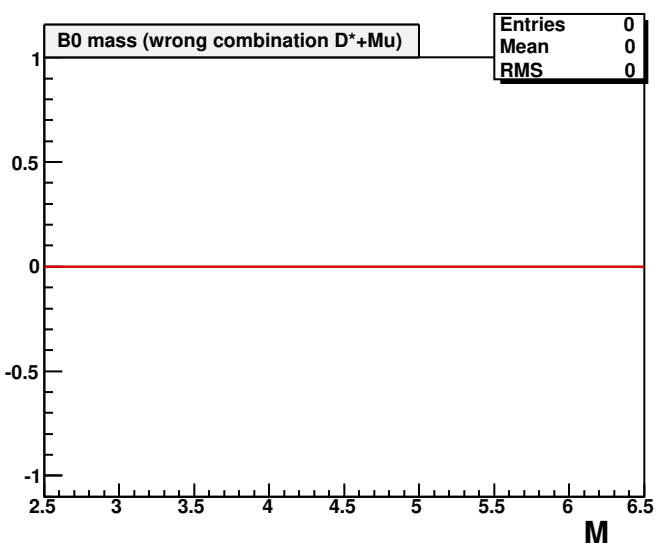

Anti-Lambda mass
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
$M_{p-\pi+}$

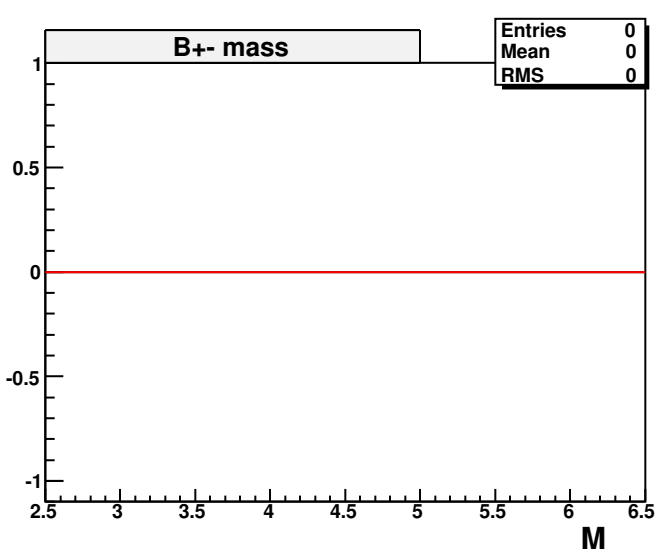
V0 (All)



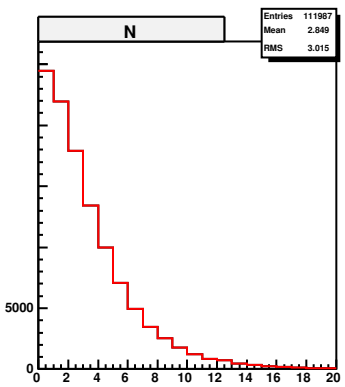


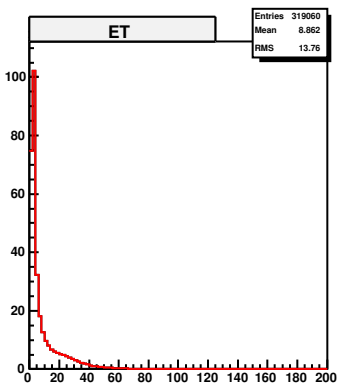


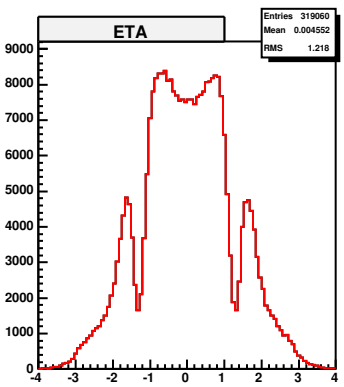


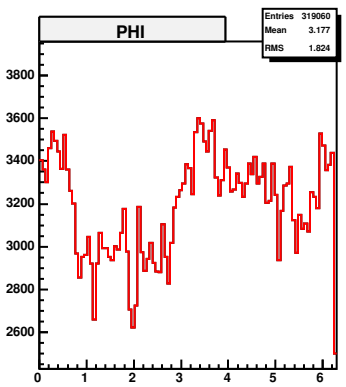


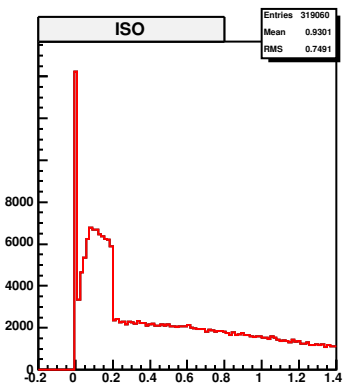
V0(B mesons) (All)

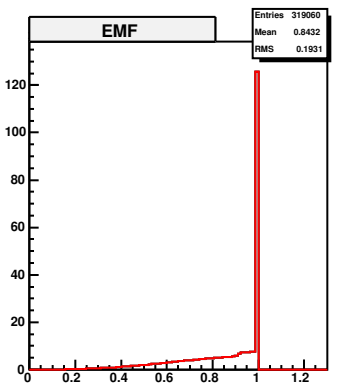


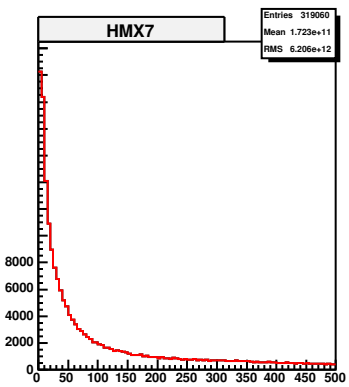


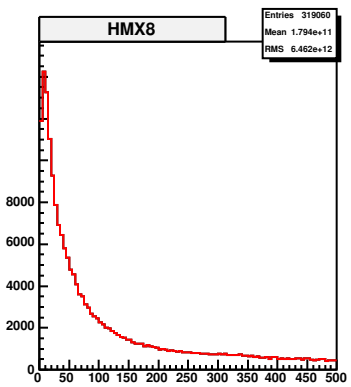


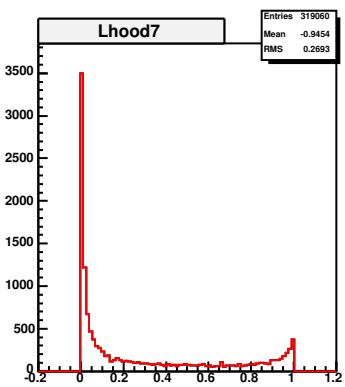


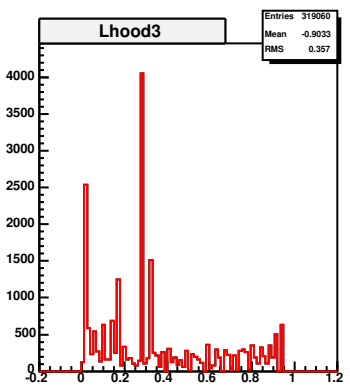


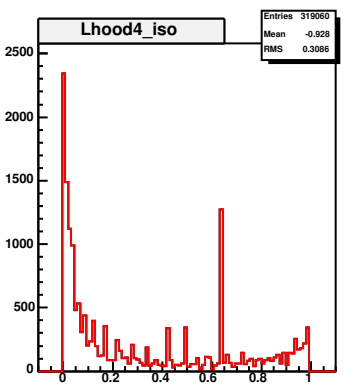


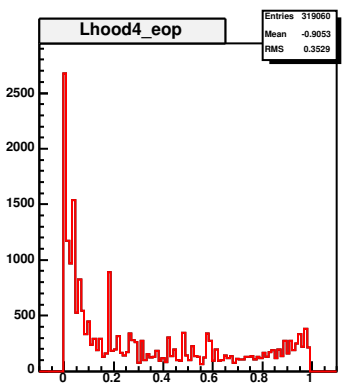


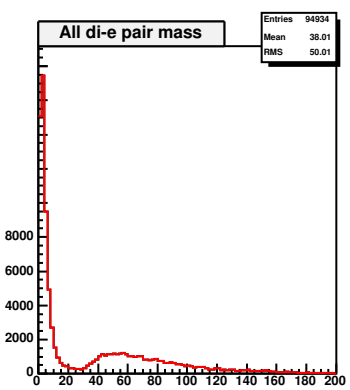


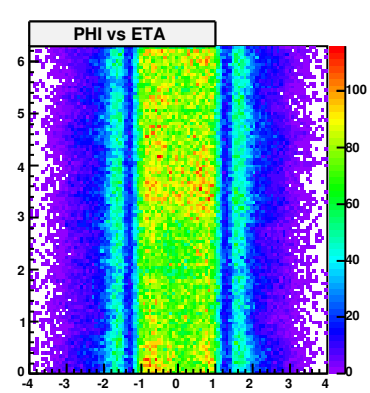


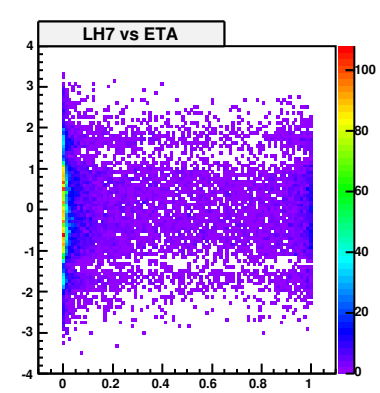


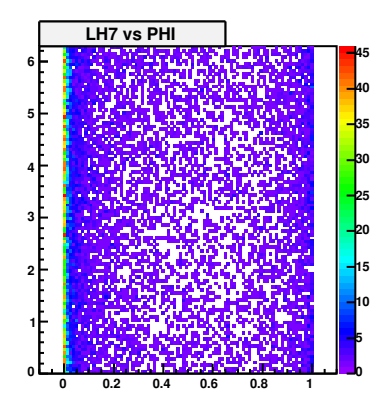




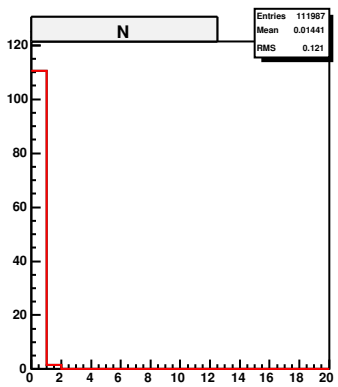


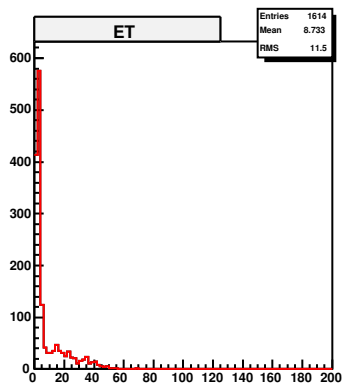


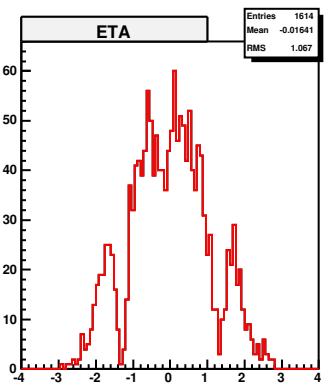


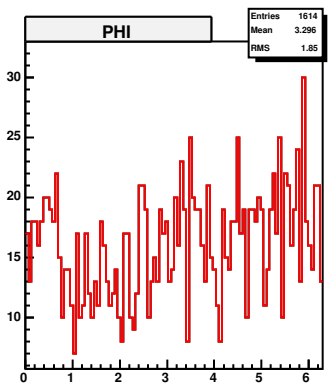


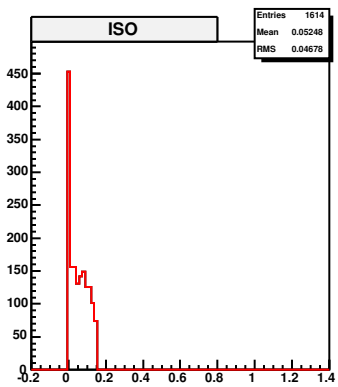
Electrons (SCONE All)

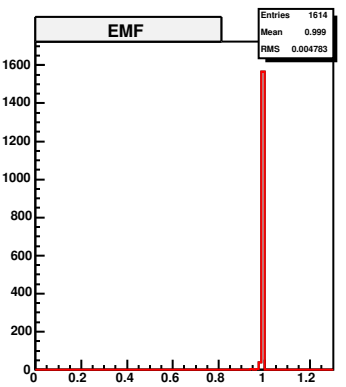


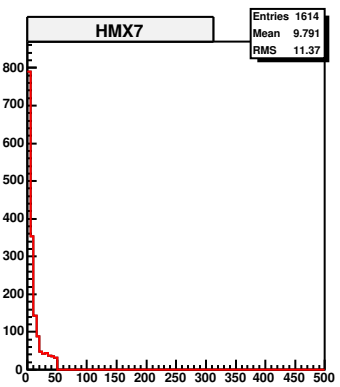


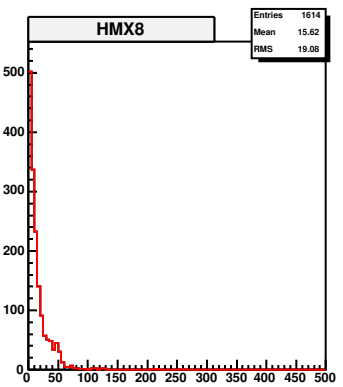


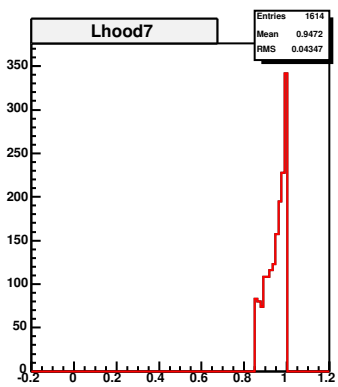


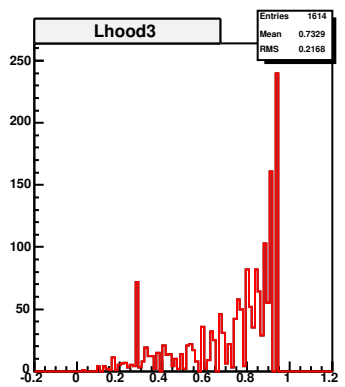


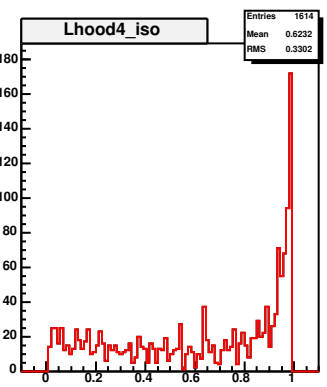


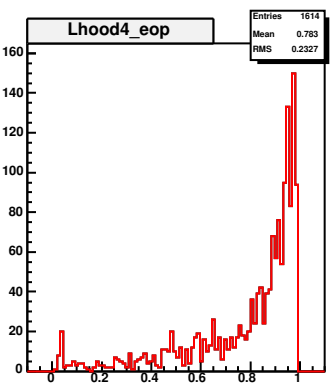


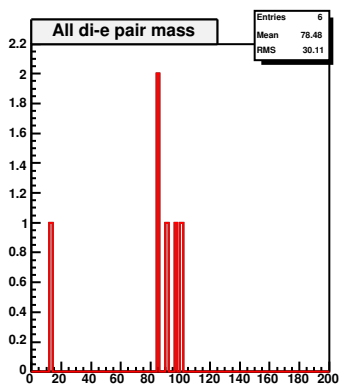


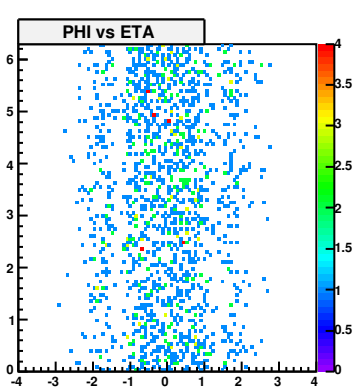


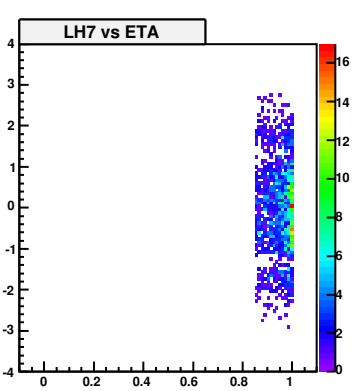


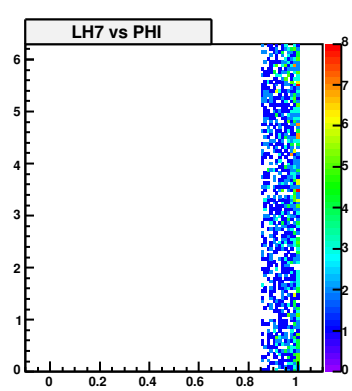




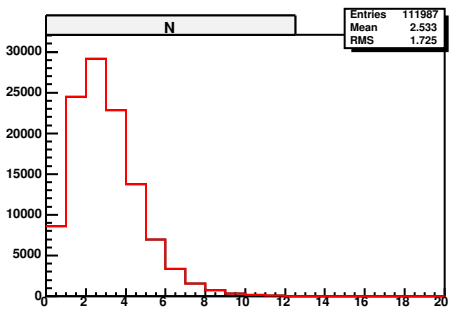


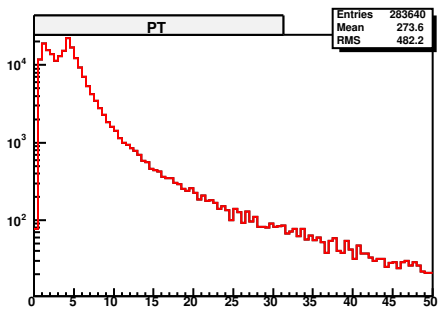


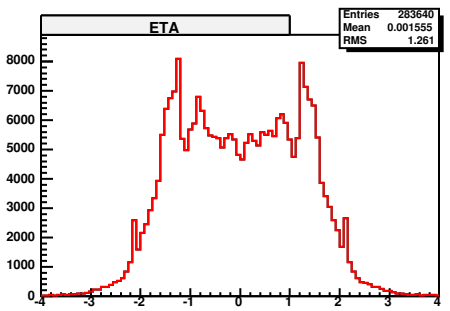


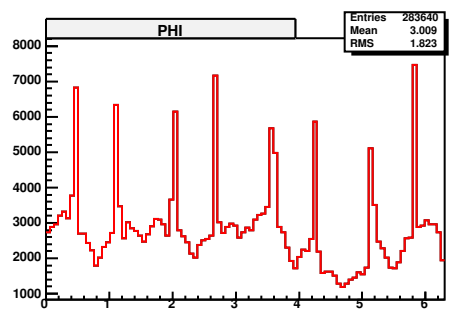


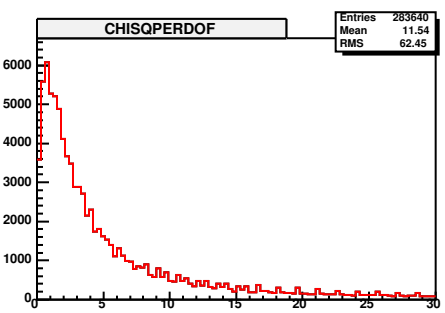
Electrons (SCONE Tight)

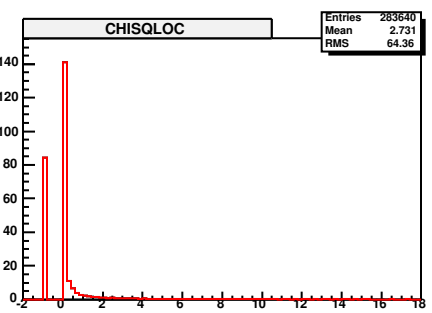

N
Entries 111987
Mean 2.533
RMS 1.725

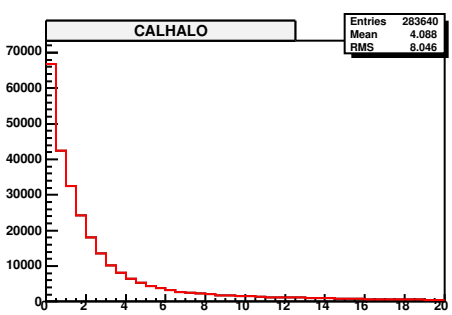

PT
Entries 283640
Mean 273.6
RMS 482.2

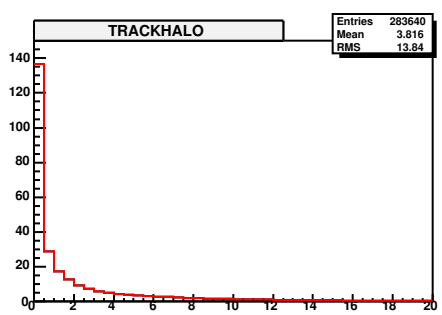

ETA
Entries 283640
Mean 0.001555
RMS 1.261

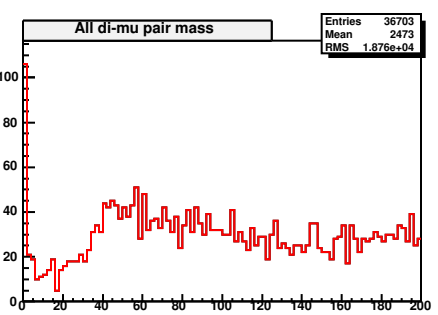

PHI
Entries 283640
Mean 3.009
RMS 1.823

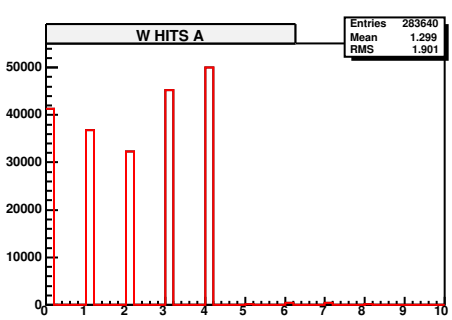

CHISQPERDOF
Entries 283640
Mean 11.54
RMS 62.45

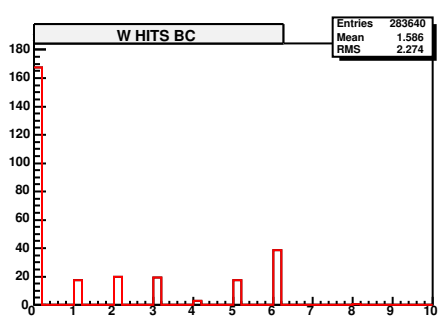

CHISQLOC
Entries 283640
Mean 2.731
RMS 64.36

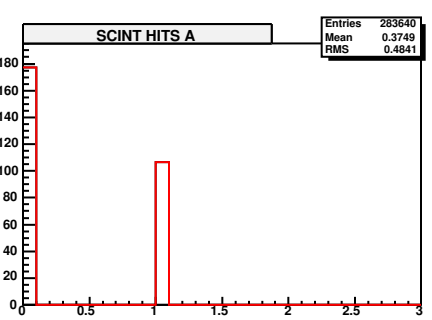

CALHALO
Entries 283640
Mean 4.088
RMS 8.046

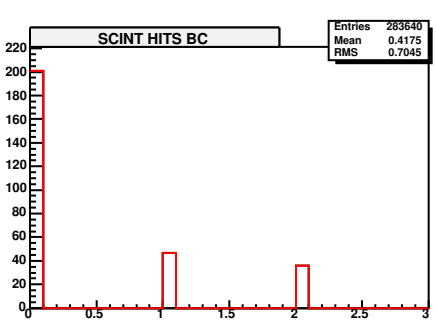

TRACKHALO
Entries 283640
Mean 3.816
RMS 13.84


All di-mu pair mass
Entries 36703
Mean 2473
RMS 1.876e+04

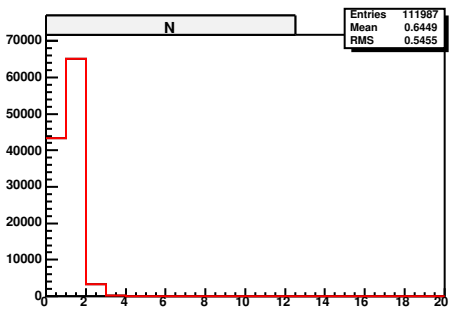

W HITS A
Entries 283640
Mean 1.299
RMS 1.901

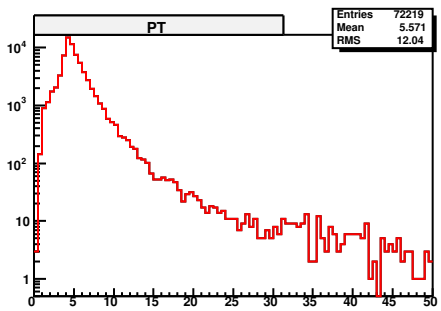

W HITS BC
Entries 283640
Mean 1.586
RMS 2.274

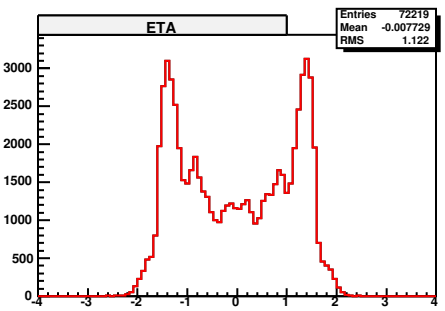

SCINT HITS A
Entries 283640
Mean 0.3749
RMS 0.4841

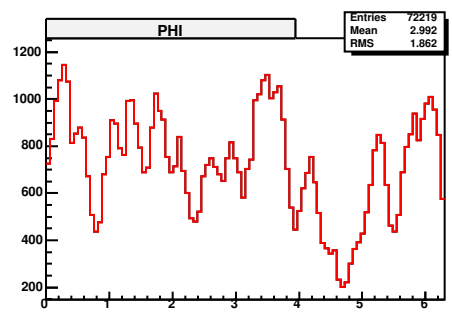

SCINT HITS BC
Entries 283640
Mean 0.4175
RMS 0.7045

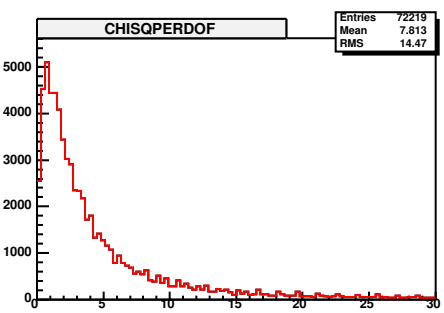
Muons (All)

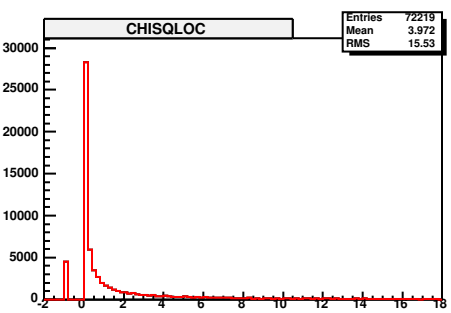


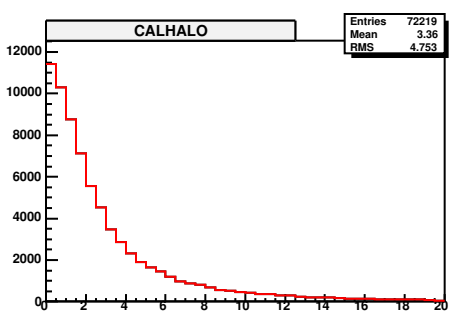


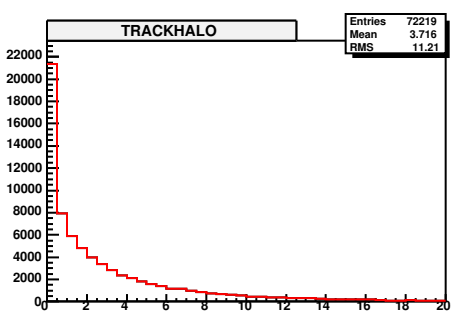


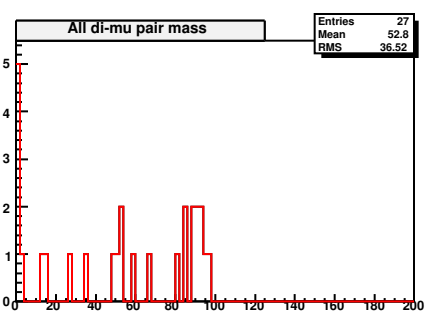


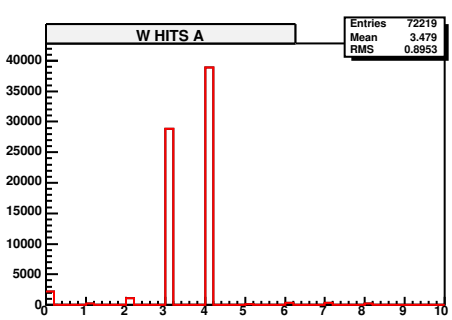


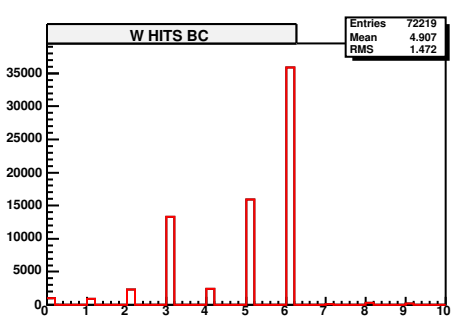


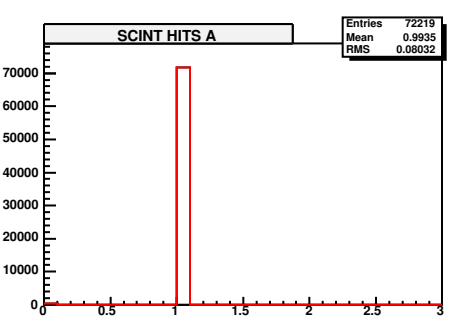


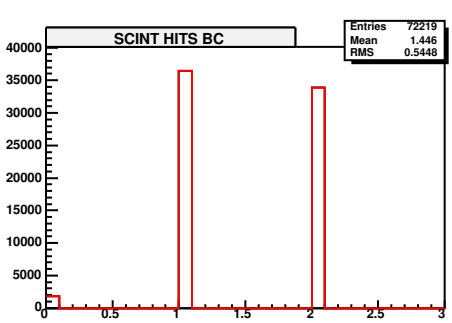




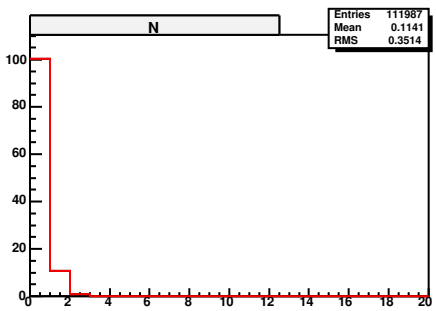


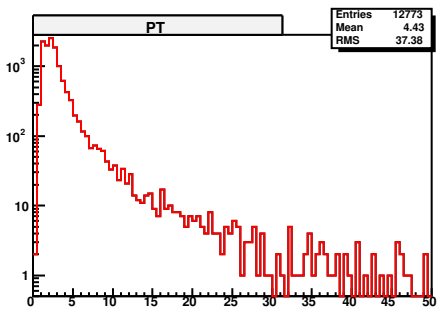


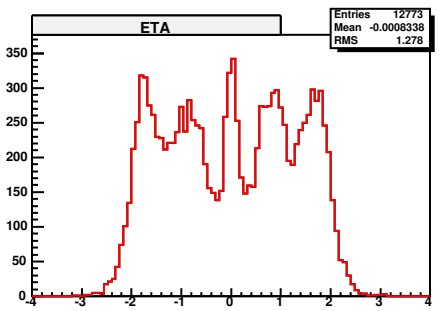


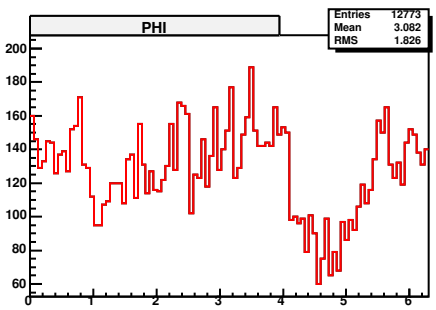


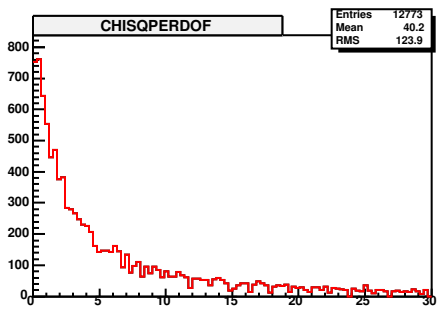
Muons (Matched)

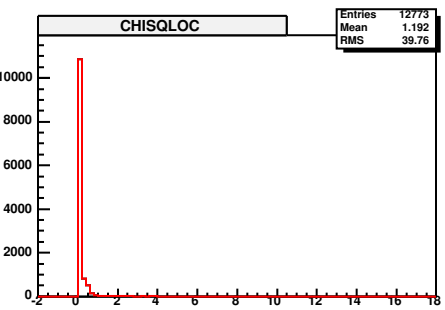

N
Entries 111987
Mean 0.1141
RMS 0.3514

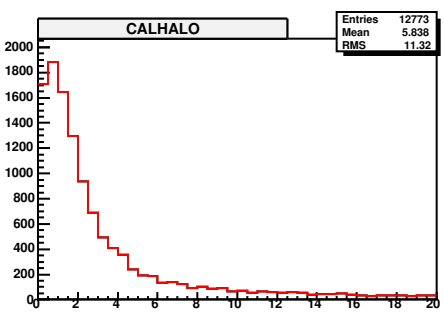

PT
Entries 12773
Mean 4.43
RMS 37.38

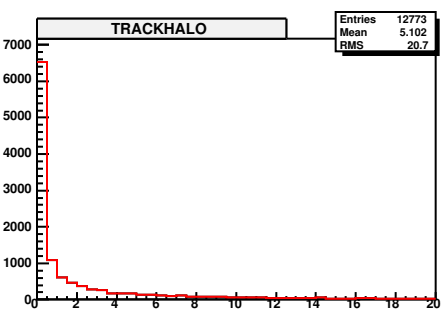

ETA
Entries 12773
Mean -0.0008338
RMS 1.278

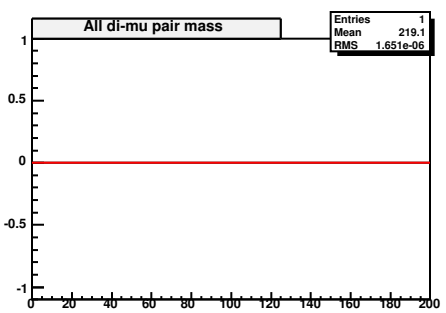

PHI
Entries 12773
Mean 3.082
RMS 1.826

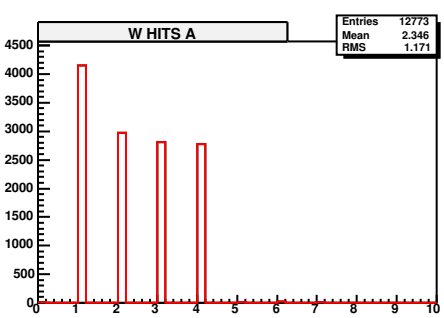

CHISQPERDOF
Entries 12773
Mean 40.2
RMS 123.9

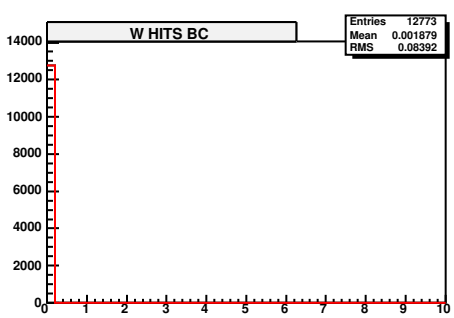

CHISQLOC
Entries 12773
Mean 1.192
RMS 39.76

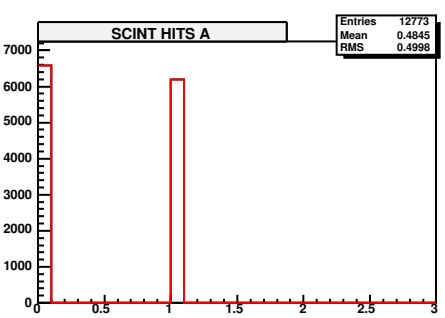

CALHALO
Entries 12773
Mean 5.838
RMS 11.32

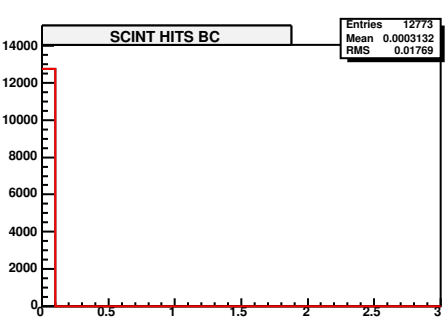

TRACKHALO
Entries 12773
Mean 5.102
RMS 20.7


All di-mu pair mass
Entries 1
Mean 219.1
RMS 1.651e-06

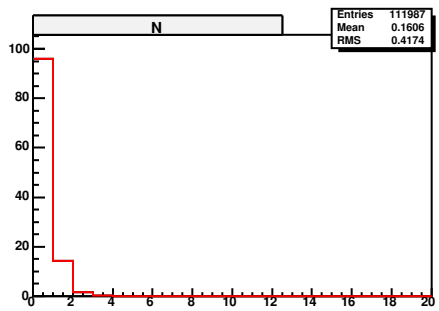

W HITS A
Entries 12773
Mean 2.346
RMS 1.171

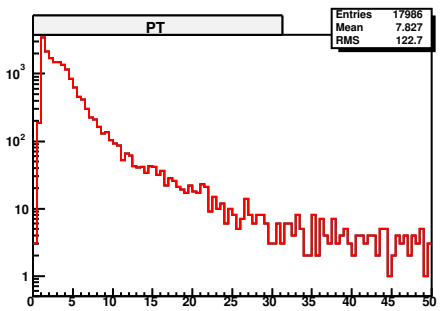

W HITS BC
Entries 12773
Mean 0.001879
RMS 0.08392

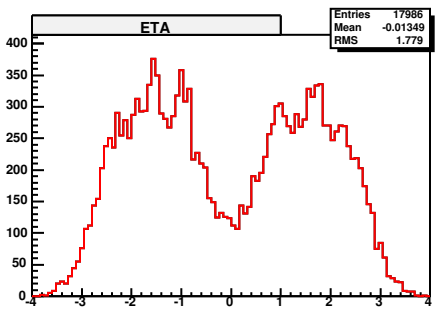

SCINT HITS A
Entries 12773
Mean 0.4845
RMS 0.4998

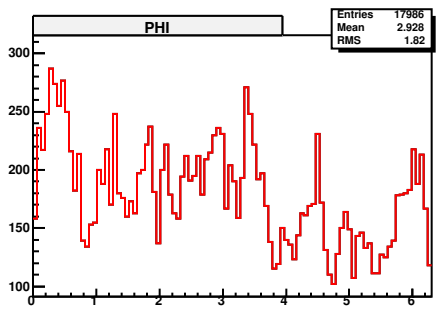

SCINT HITS BC
Entries 12773
Mean 0.0003132
RMS 0.01769

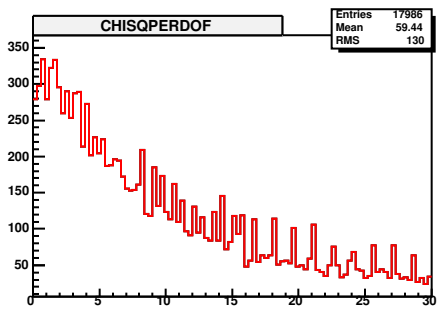
Muons (Astub)

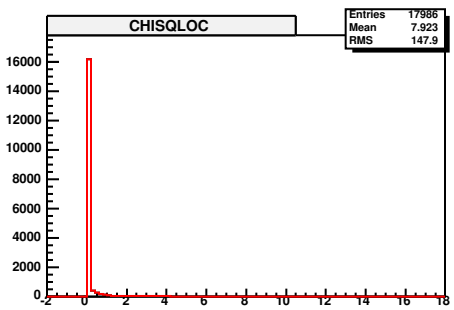


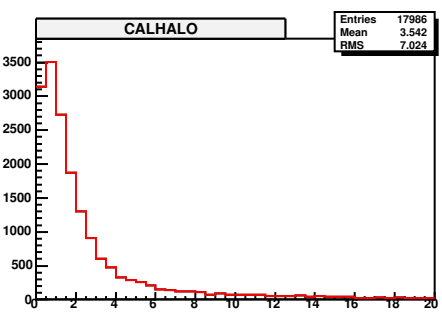


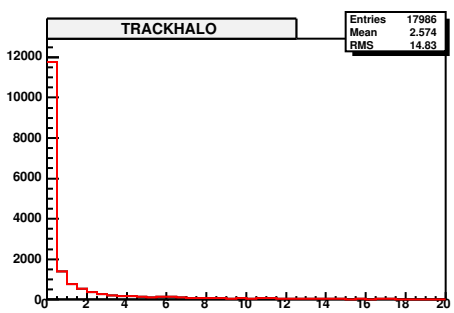


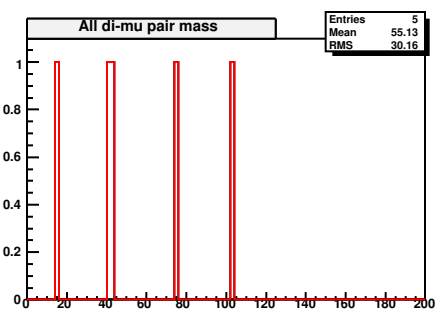


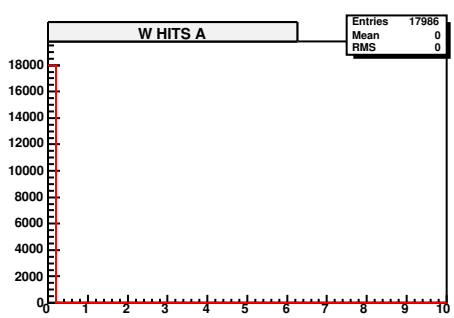


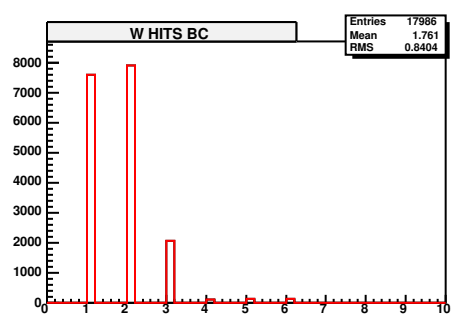


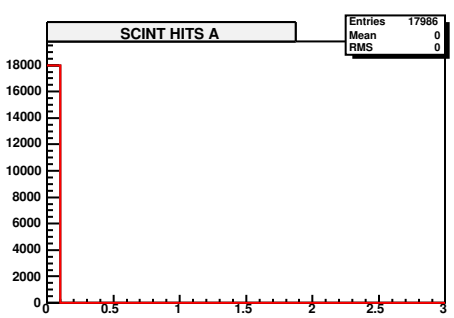


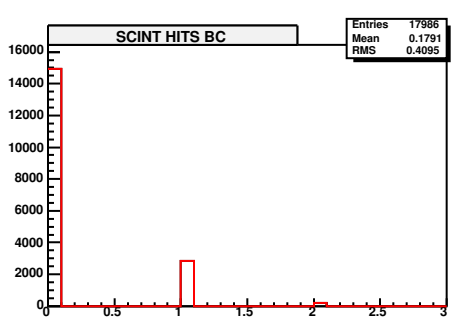




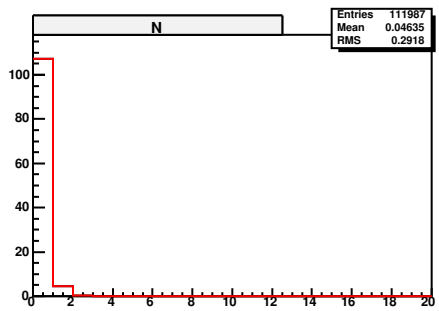


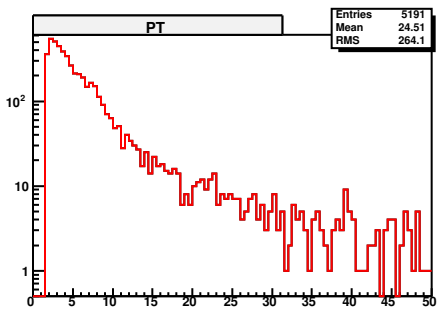


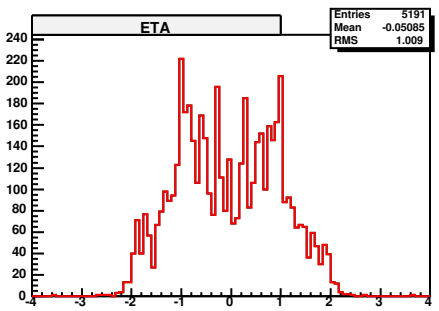


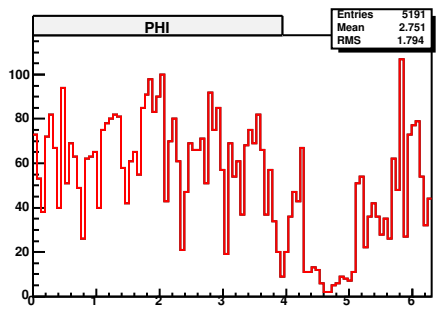


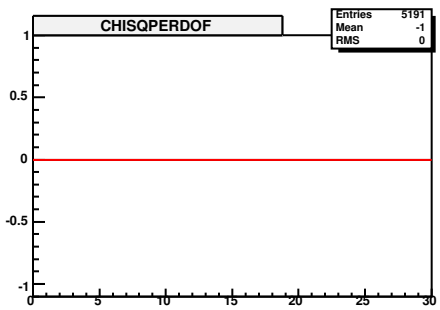
Muons (BCstub)

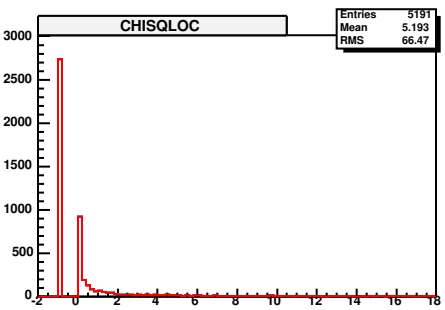


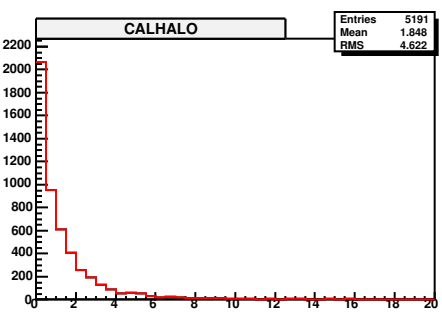


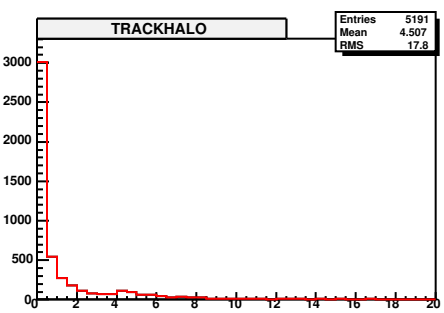


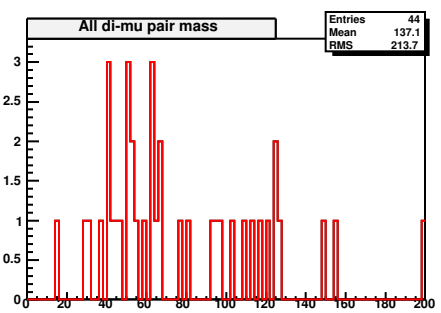


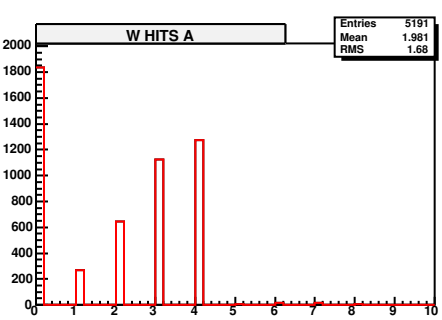


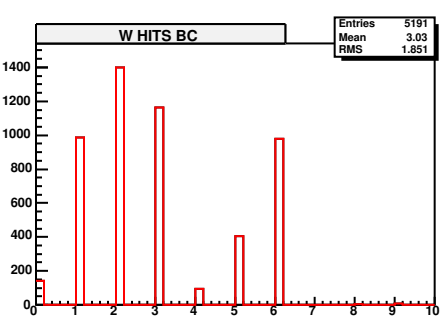


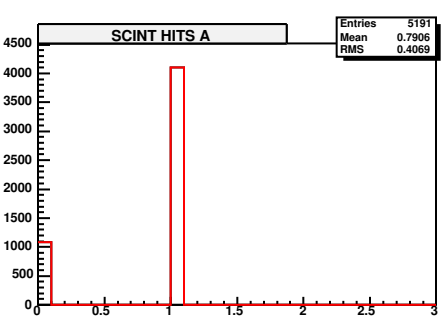


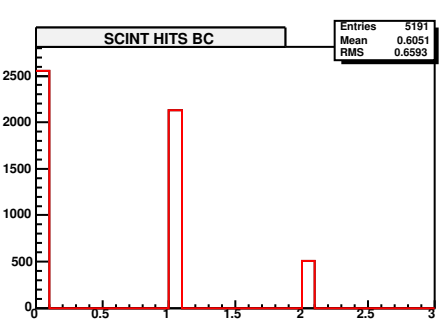




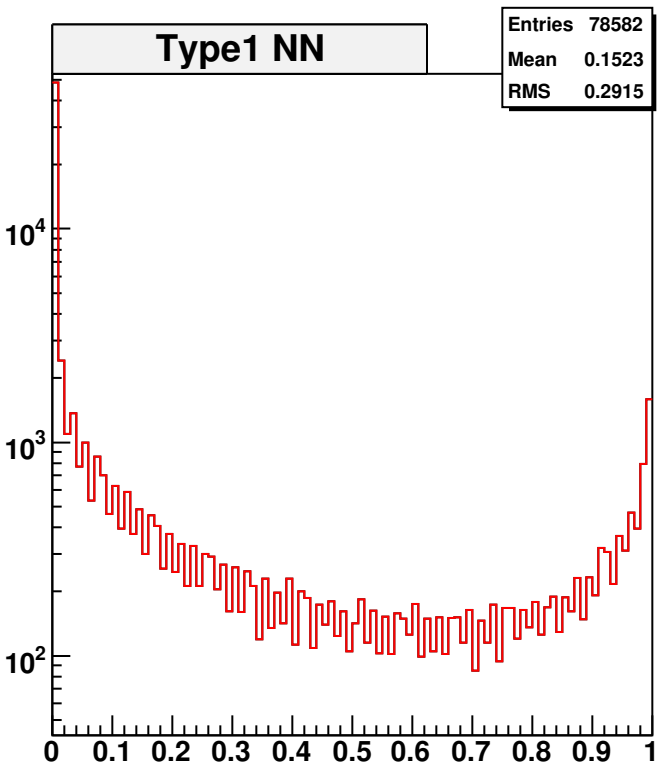


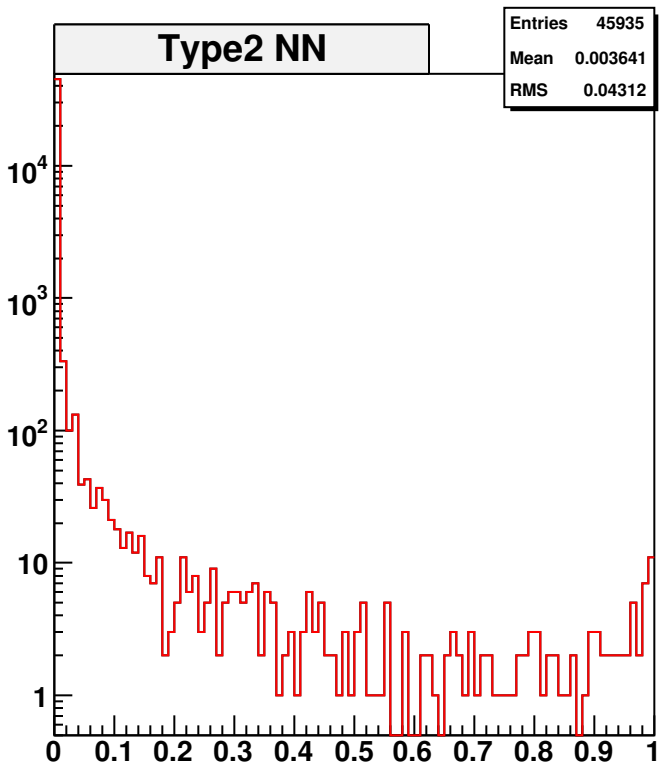


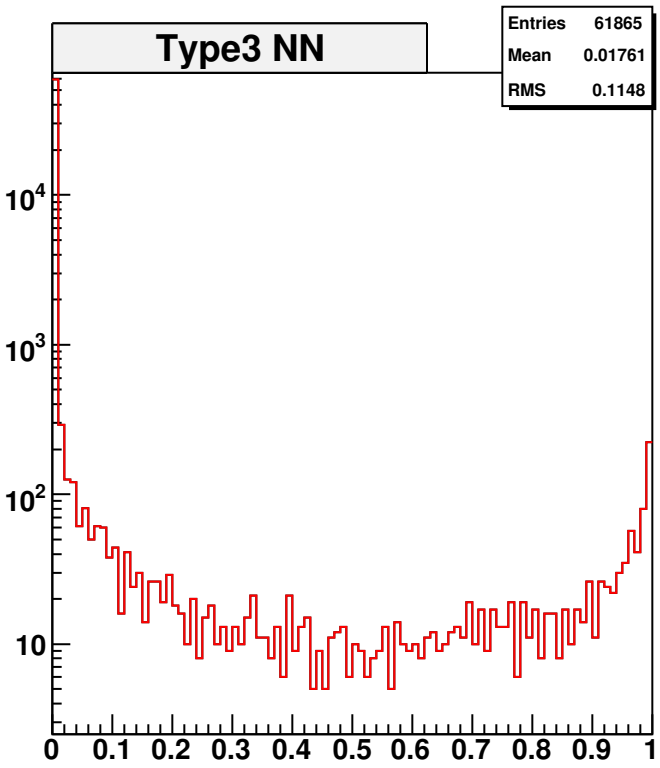


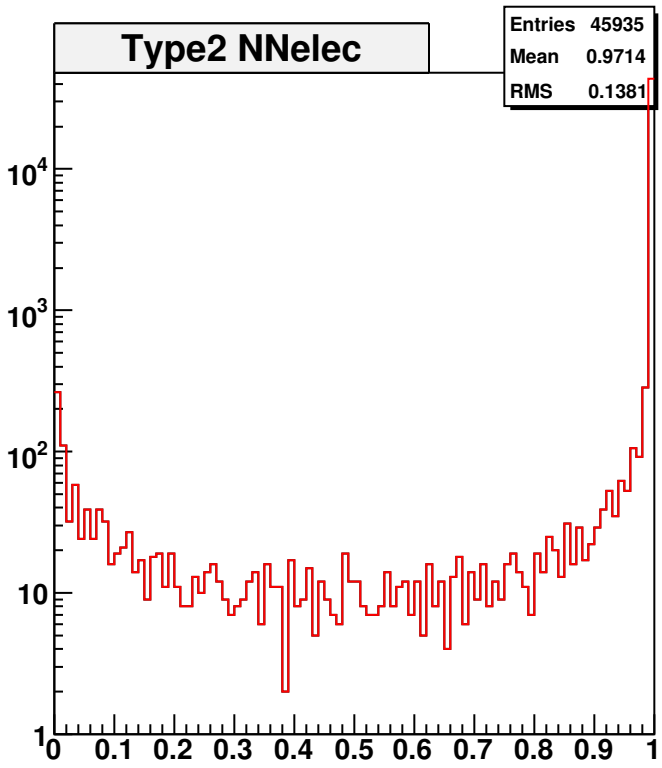


Muons (Unmatched)

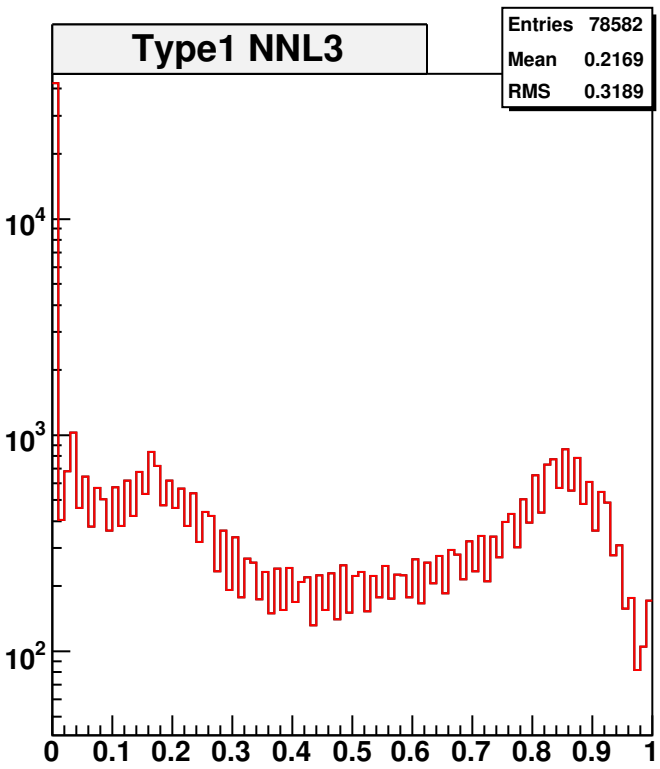


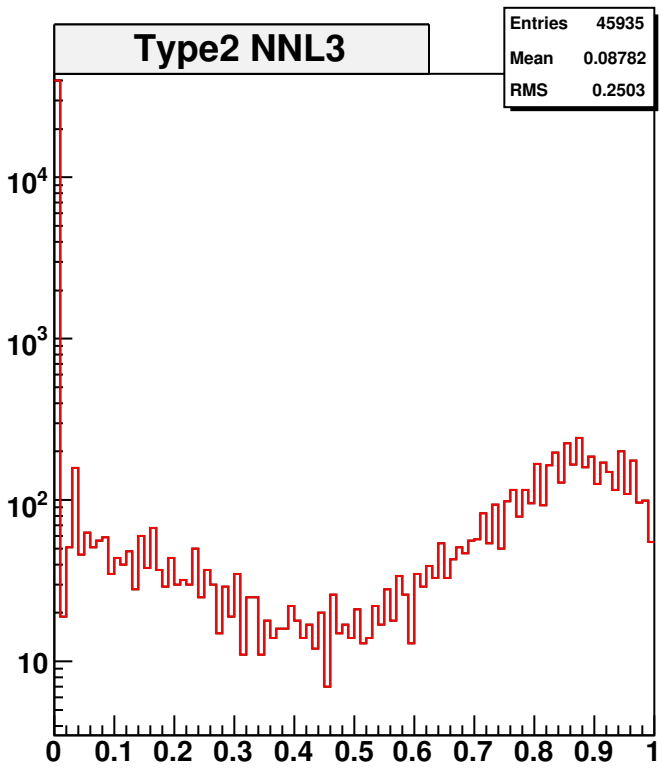


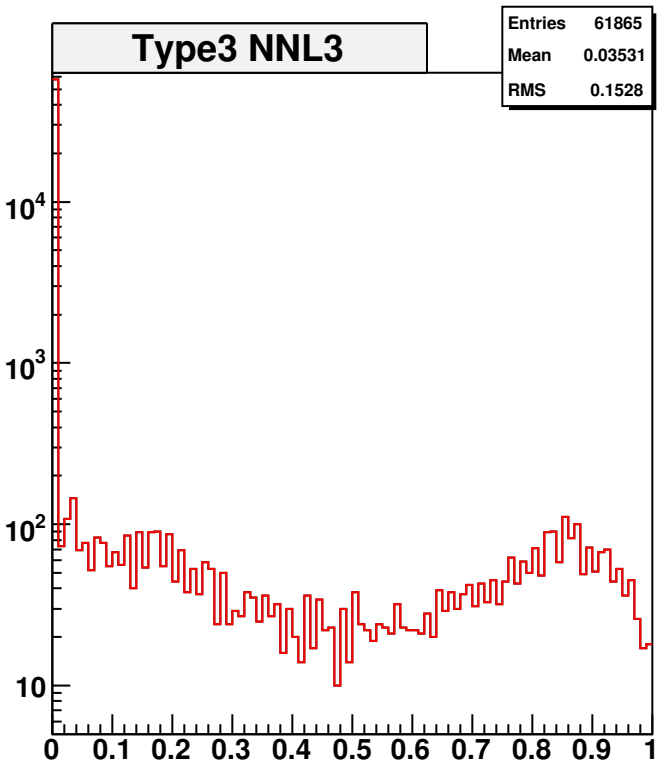


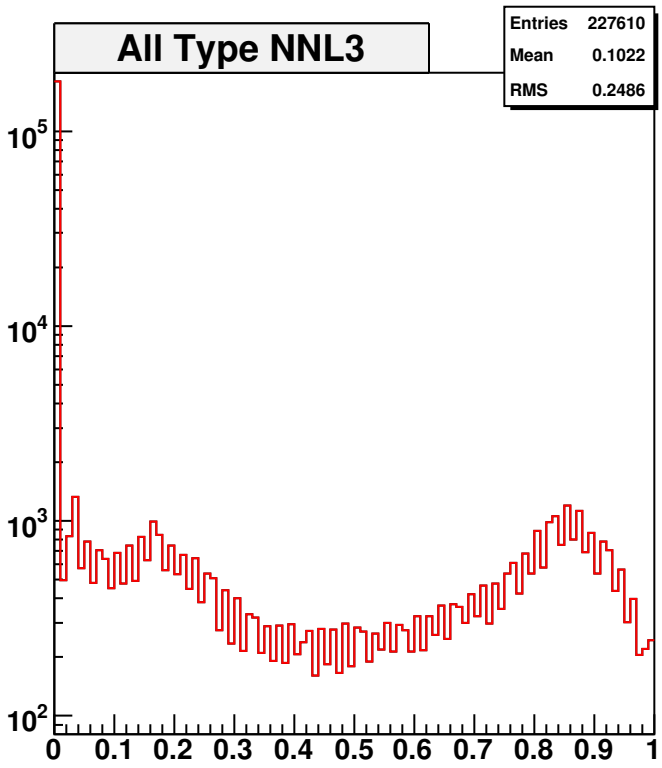


Taus NN (TAU All)

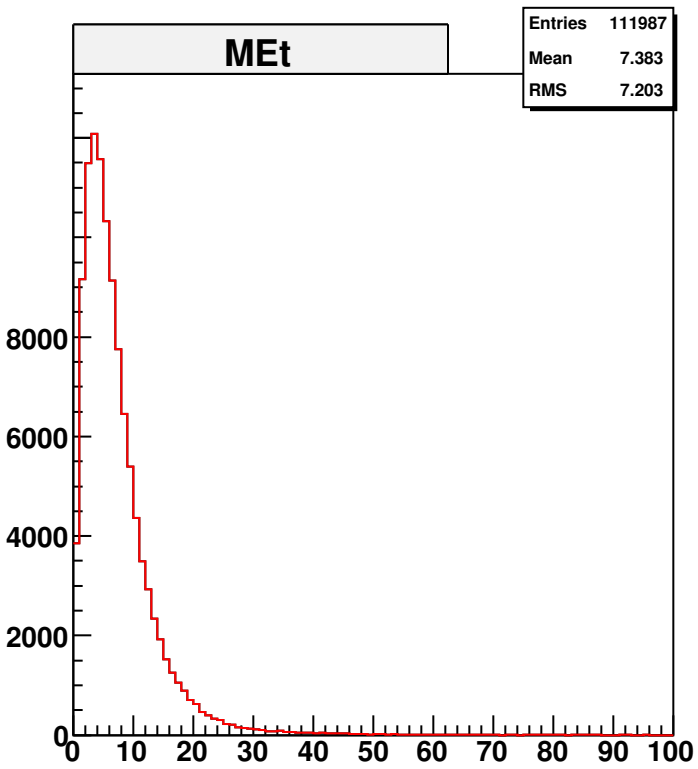


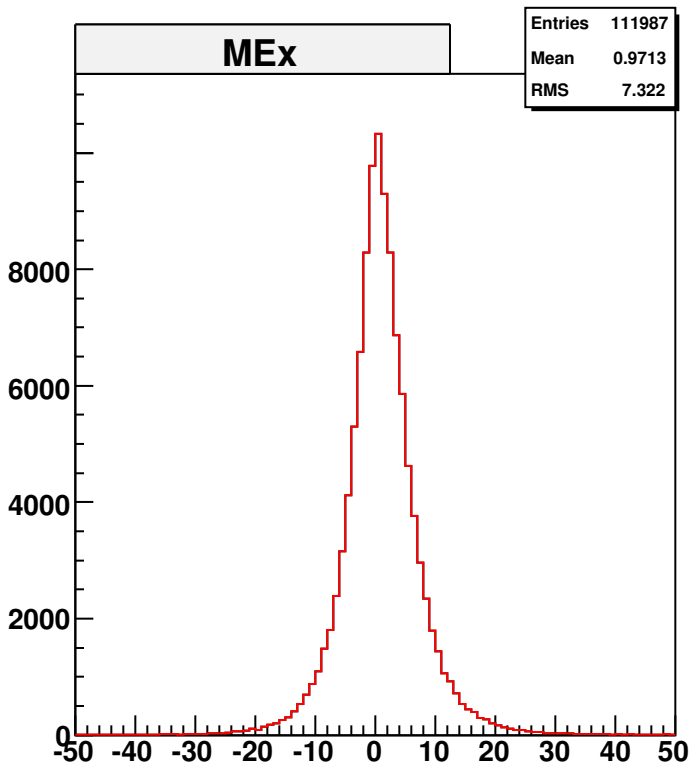






Taus NNL3 (TAU All)


MEt
Entries 111987
Mean 7.383
RMS 7.203
8000
6000
4000
2000
0
0 10 20 30 40 50 60 70 80 90 100


MEx
Entries 111987
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RMS 7.322
8000
6000
4000
2000
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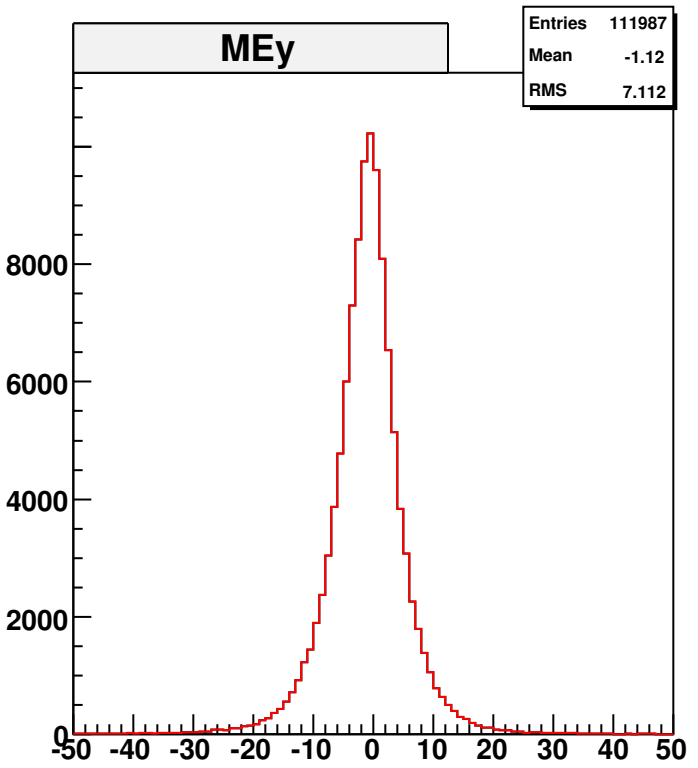
MEy
Entries 111987
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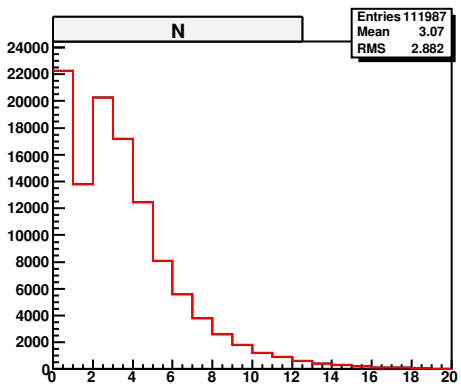
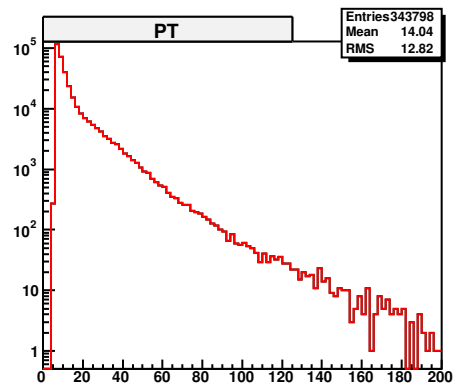
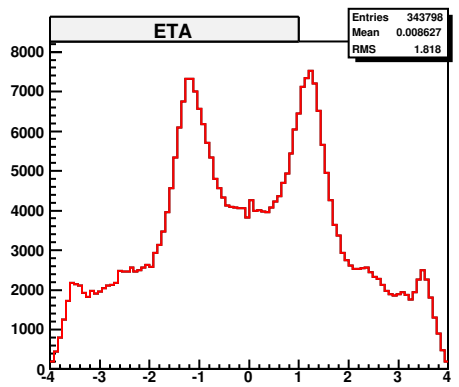
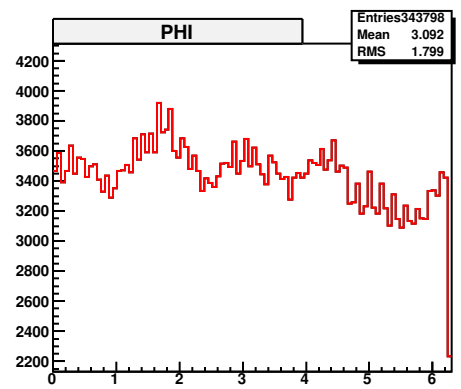
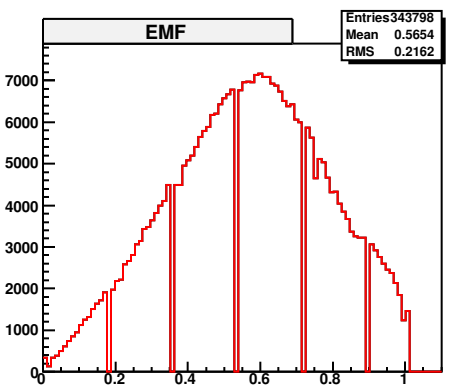
Met (No cuts)

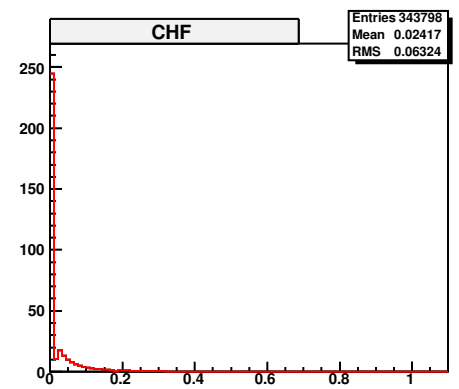


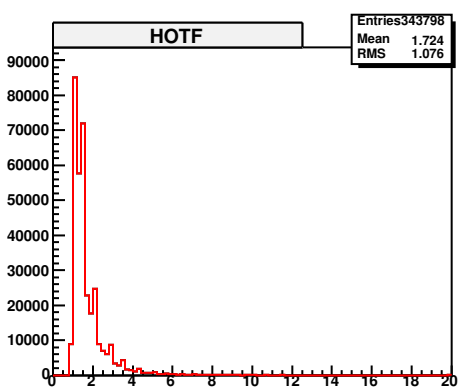


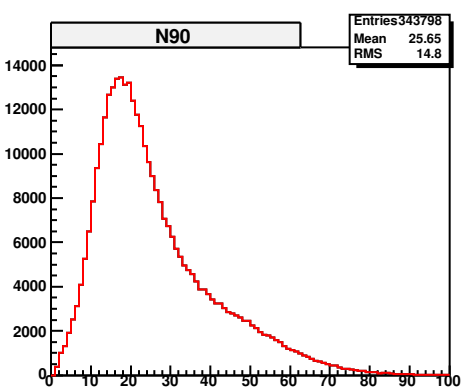


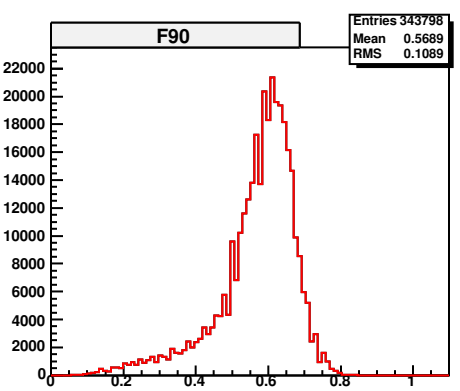


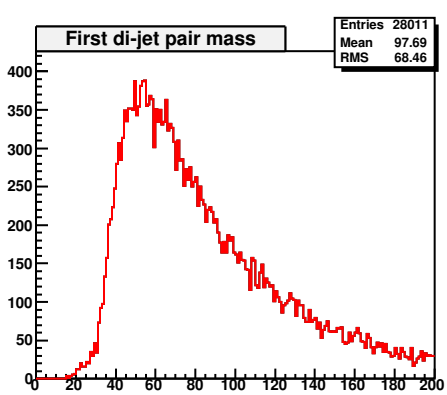


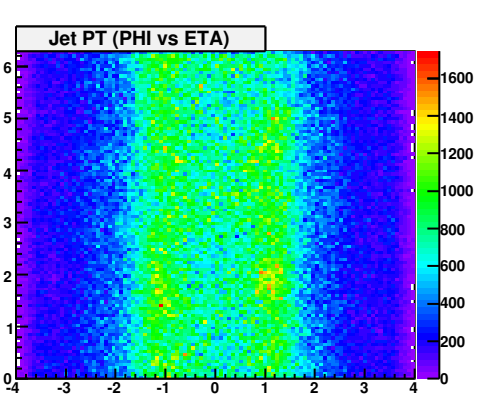




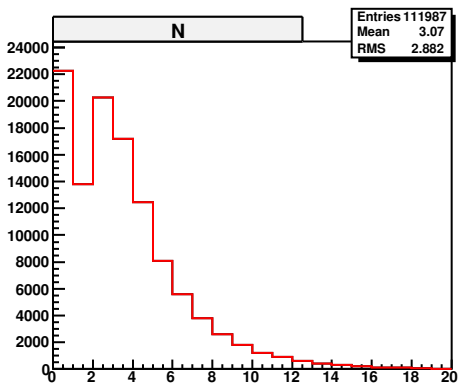


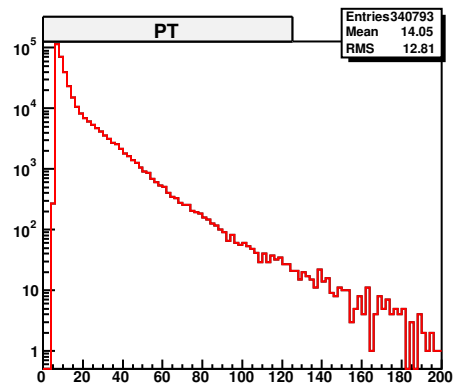


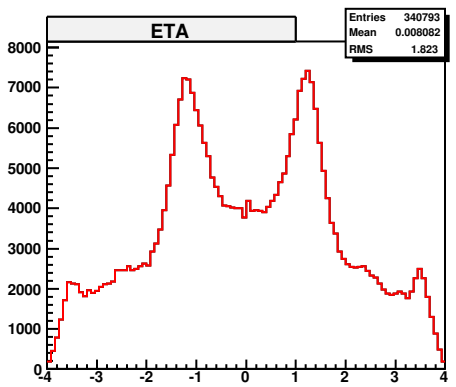


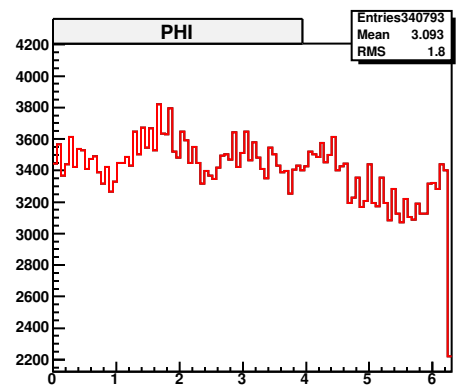


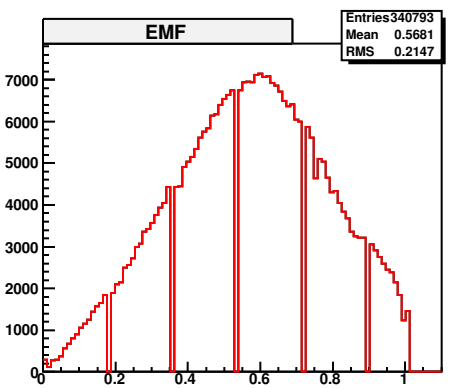
Jets (Cone R 0.7 (no cuts))

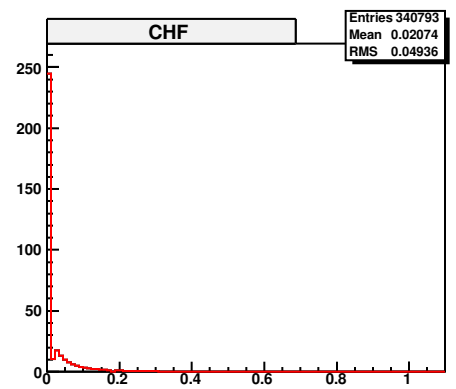


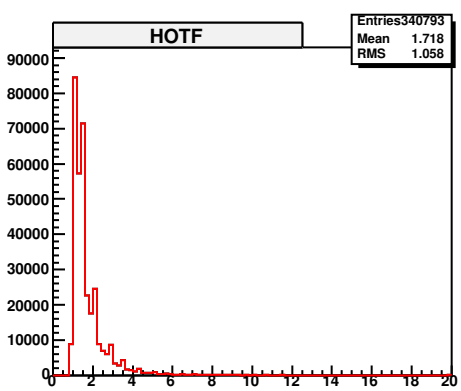


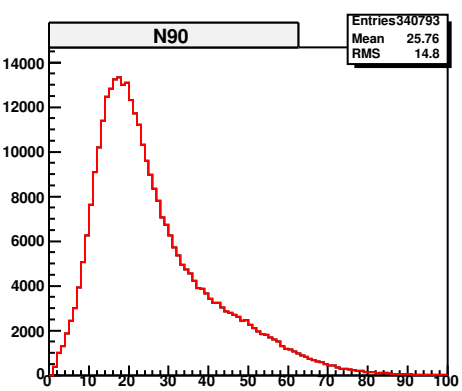


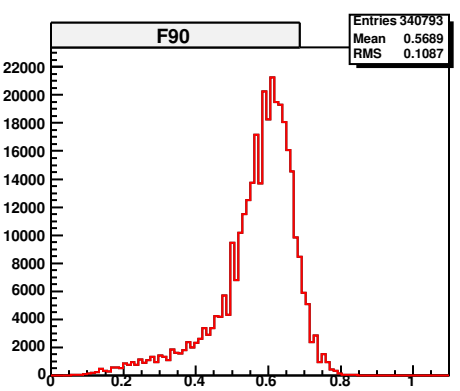


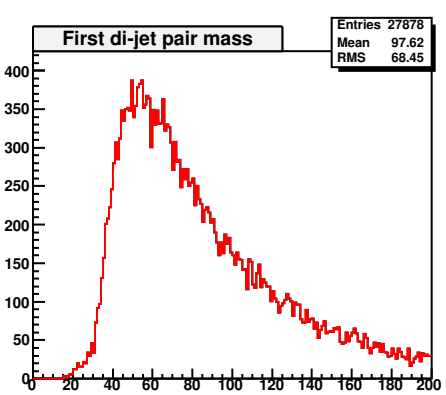


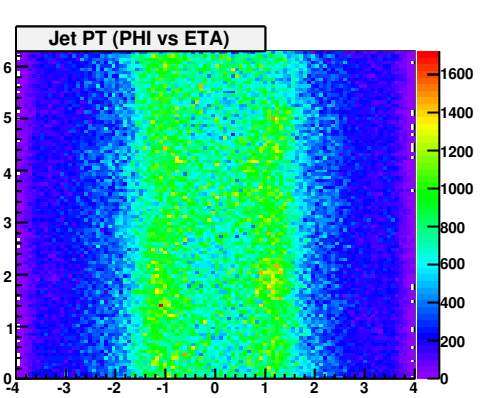




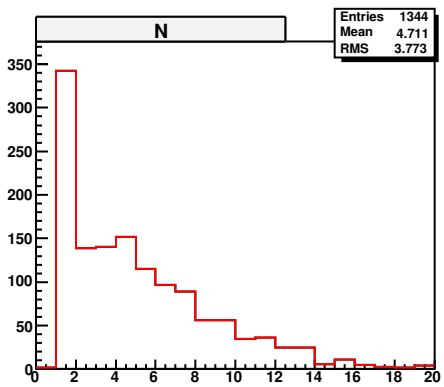


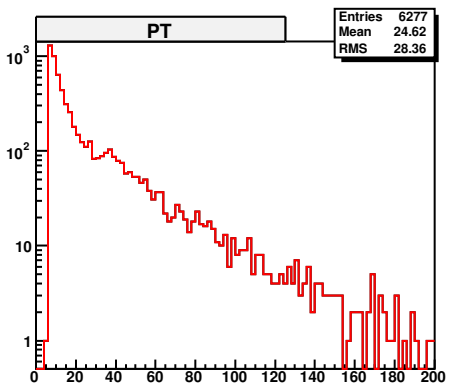


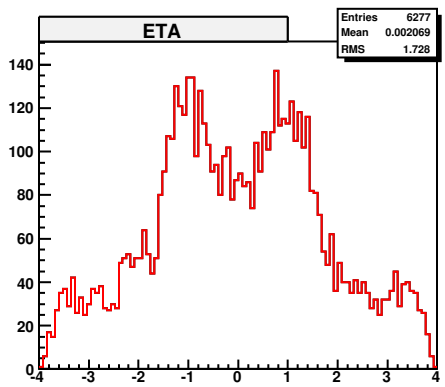


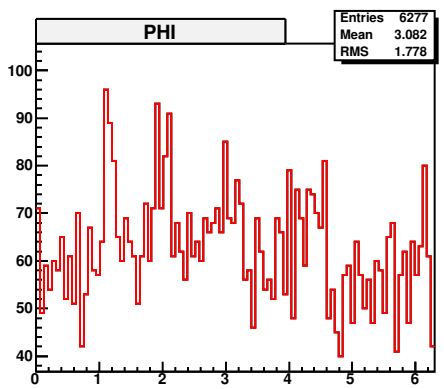


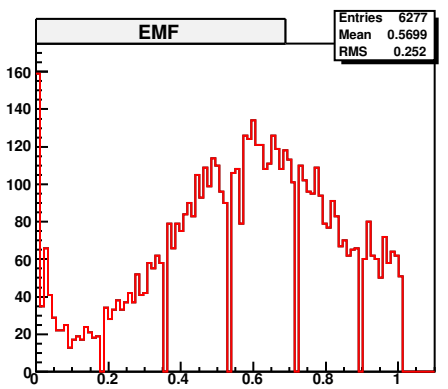
Jets (Cone R 0.7 (standard cuts))

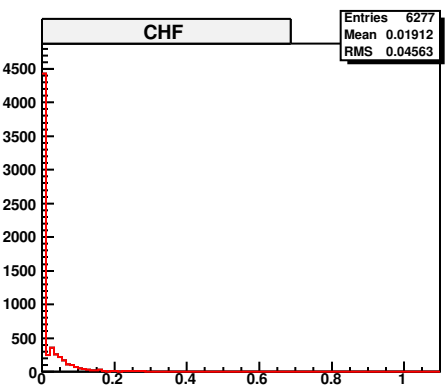


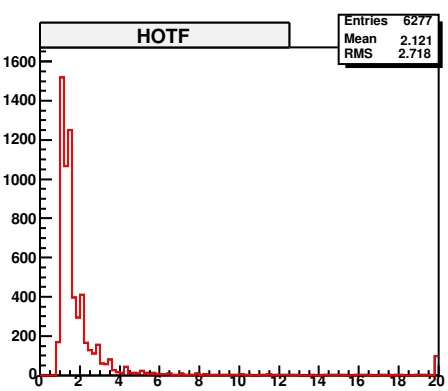


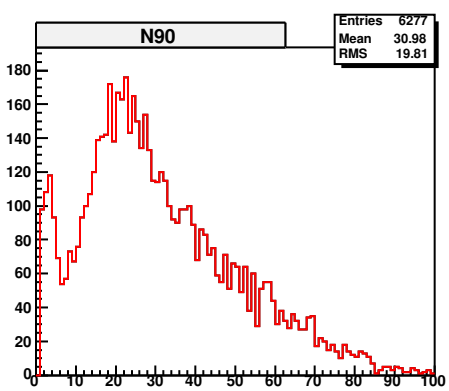


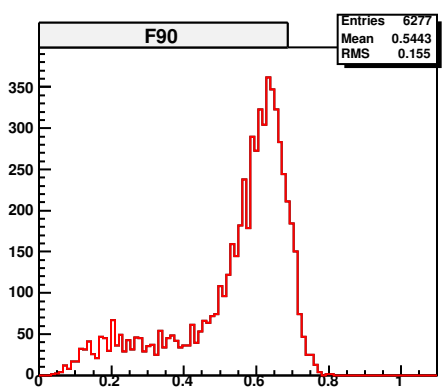


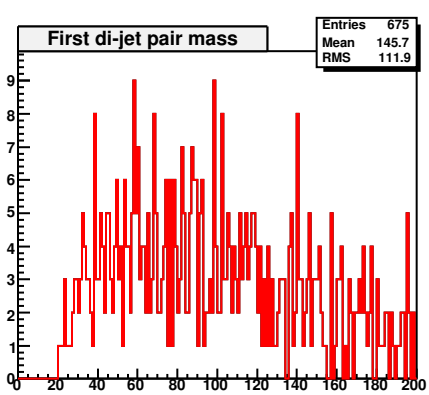


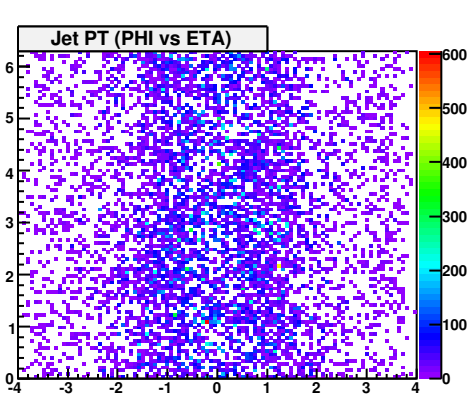




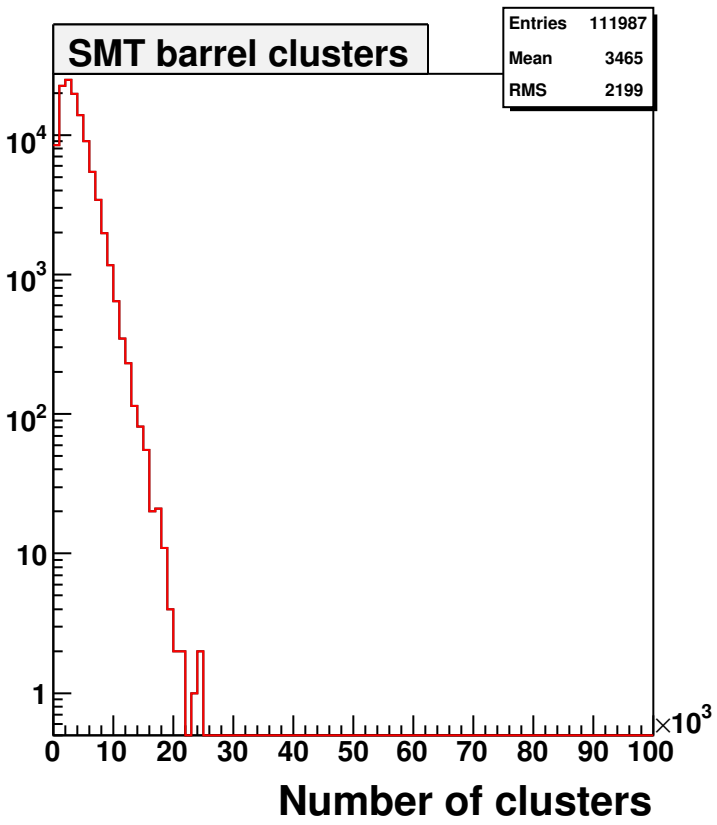


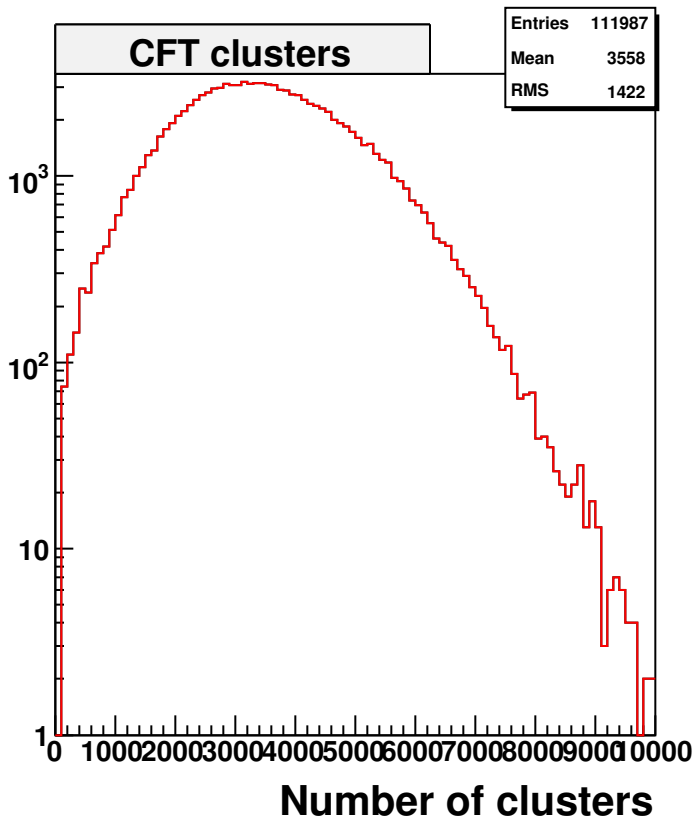


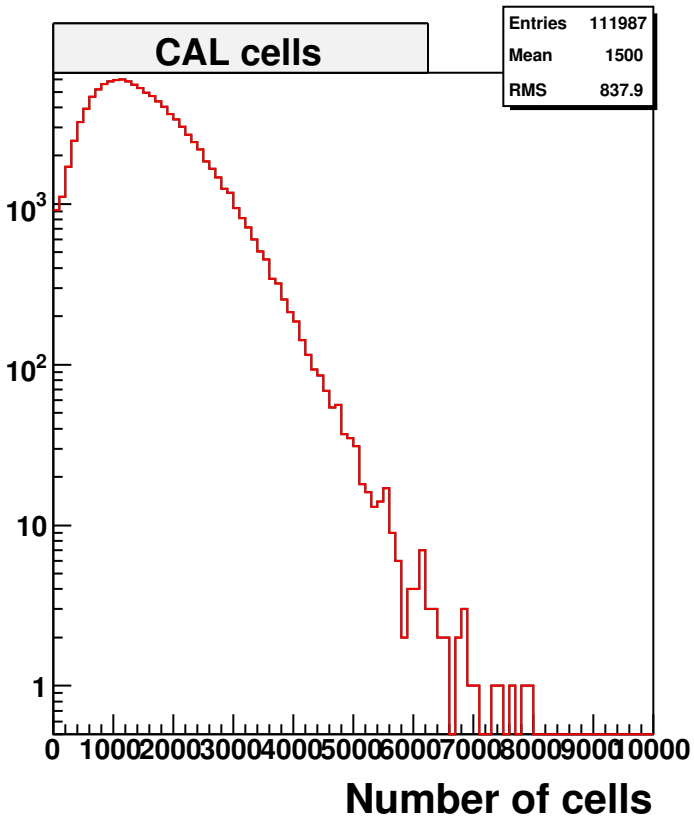


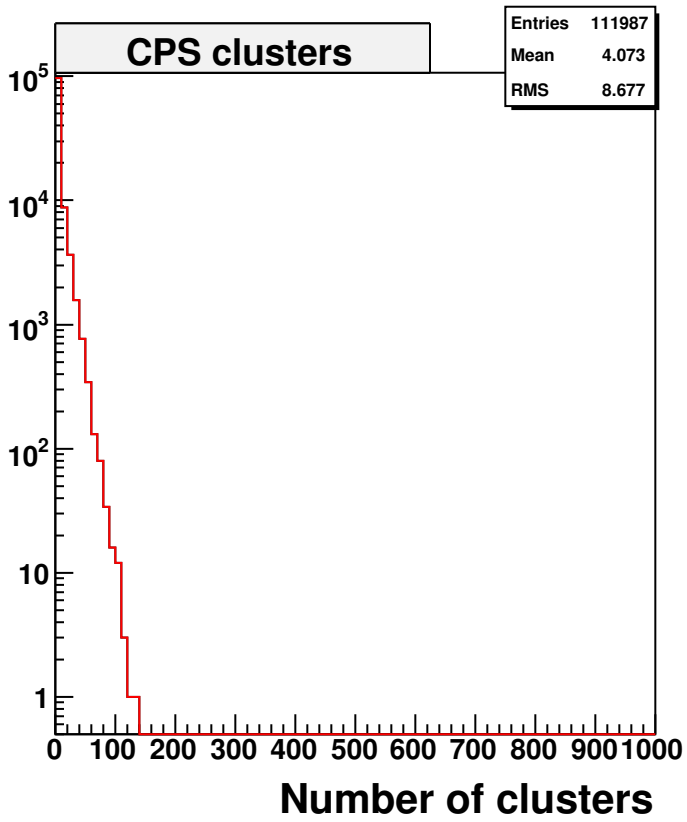


Jets (Cone R 0.7 (standard cuts, MET>30))

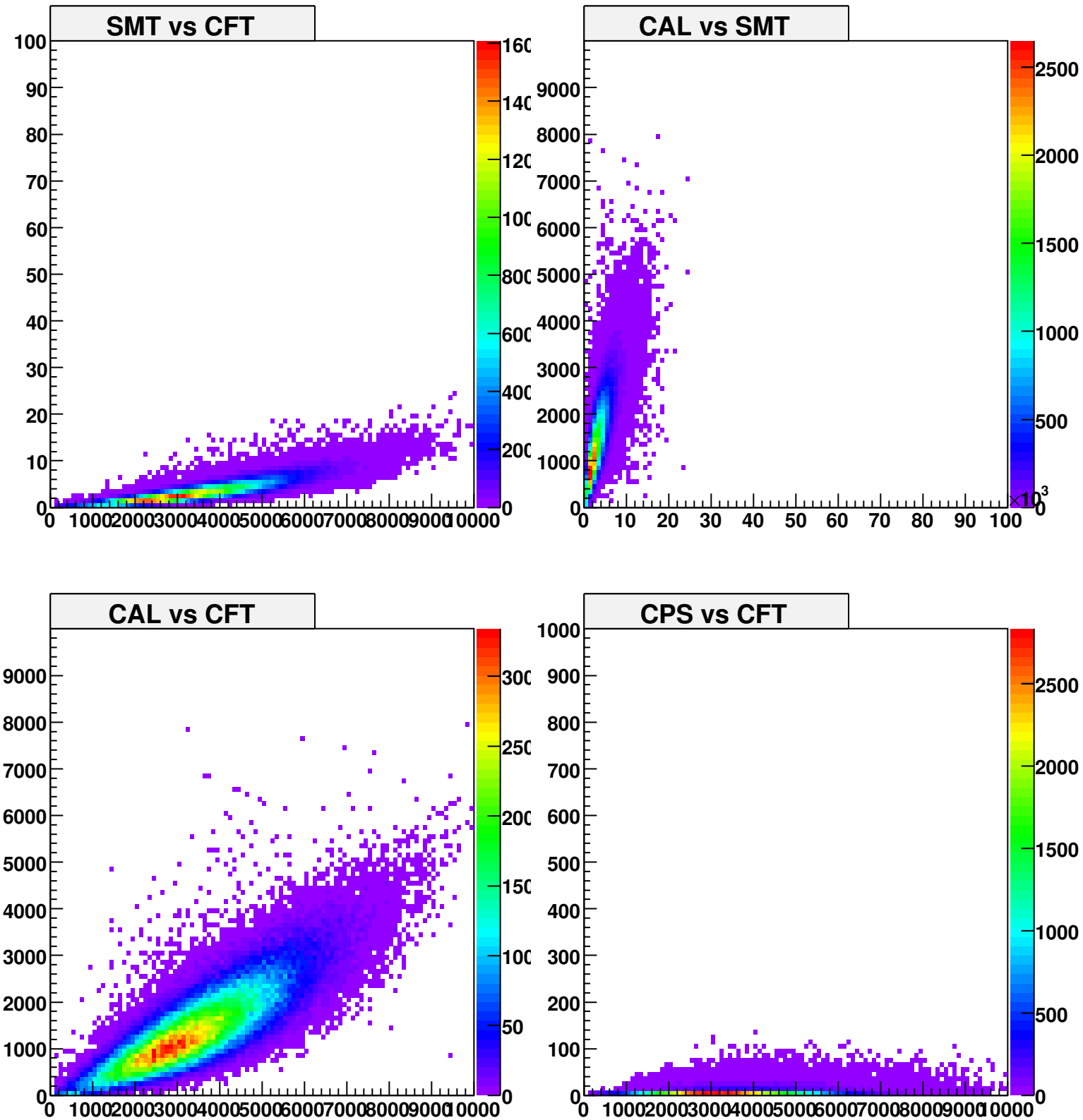


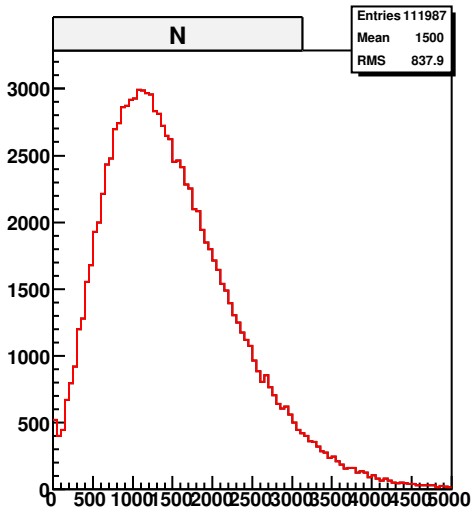


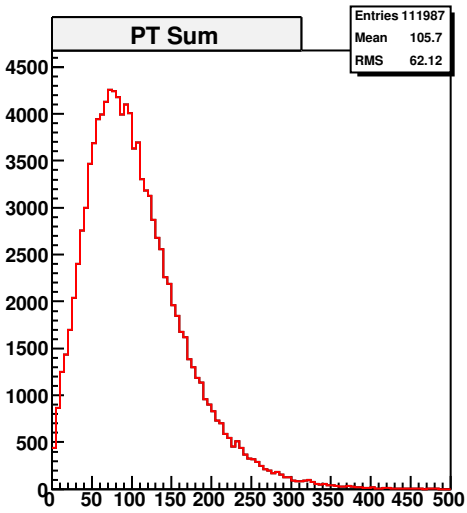


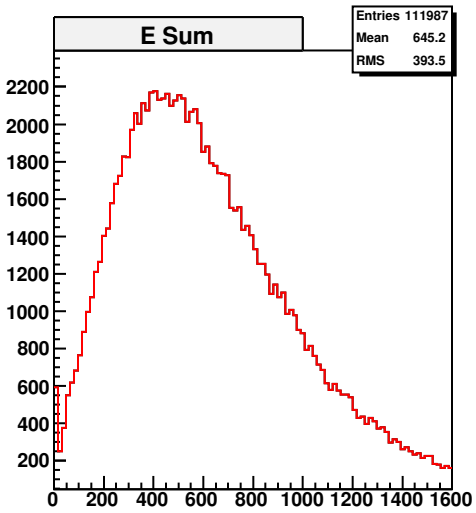


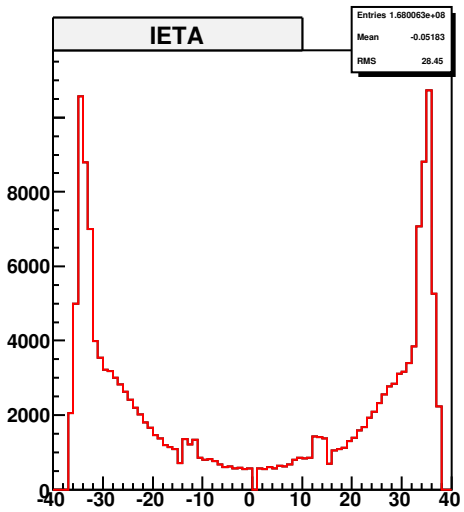
Detector Occupancy (Detector)

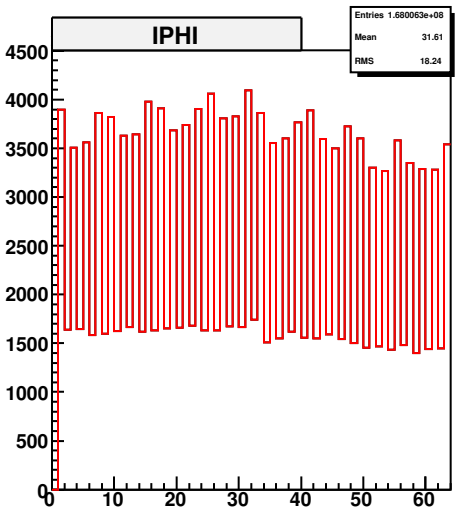

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

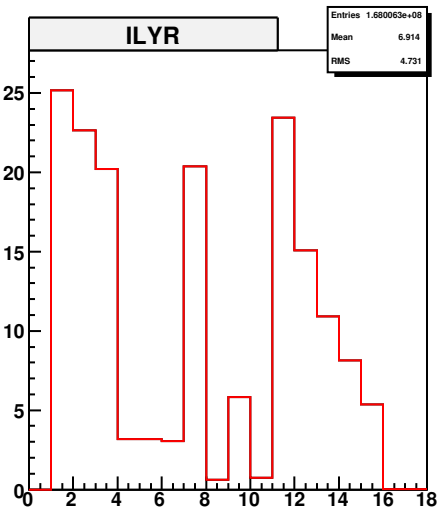


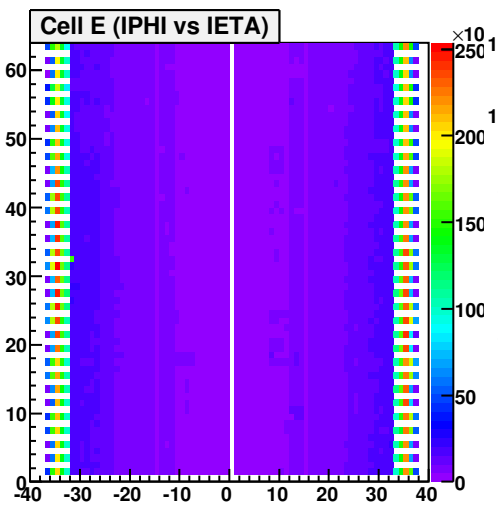


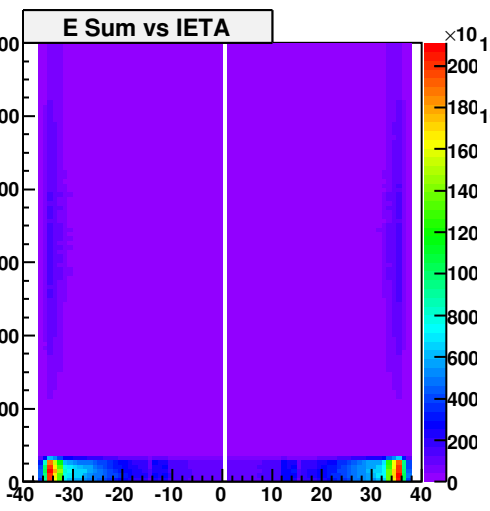


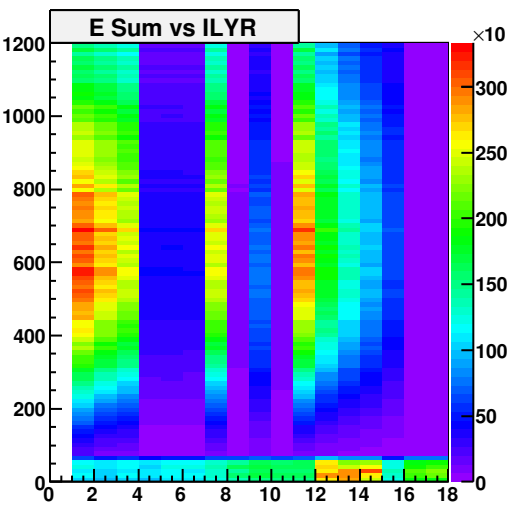




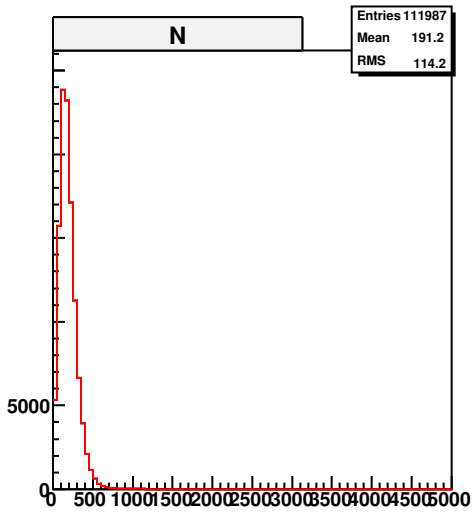


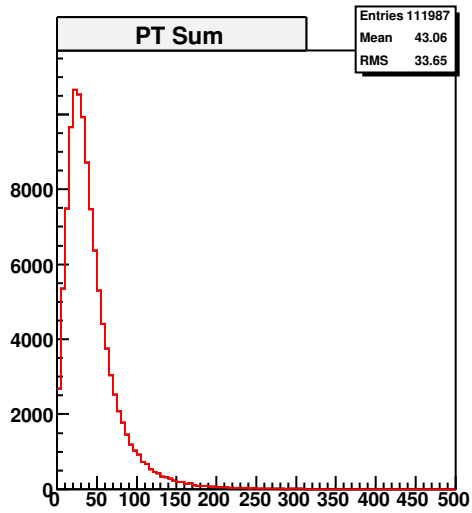


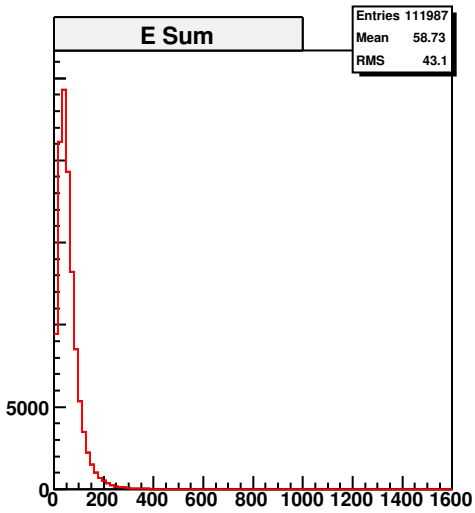


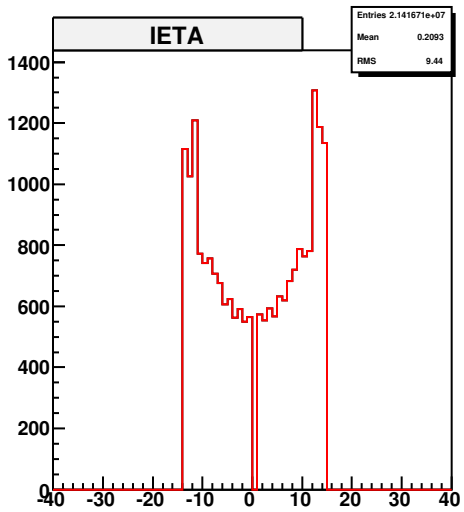


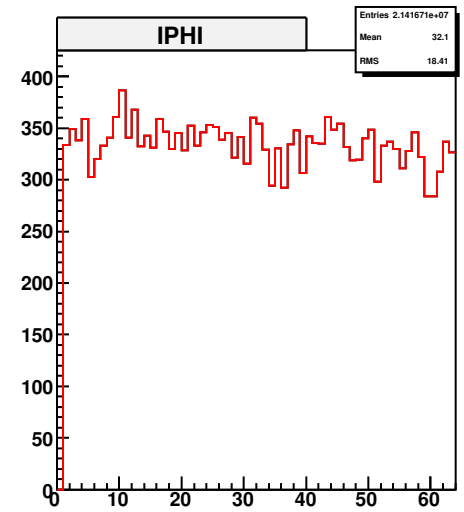
Calorimeter (All cells)

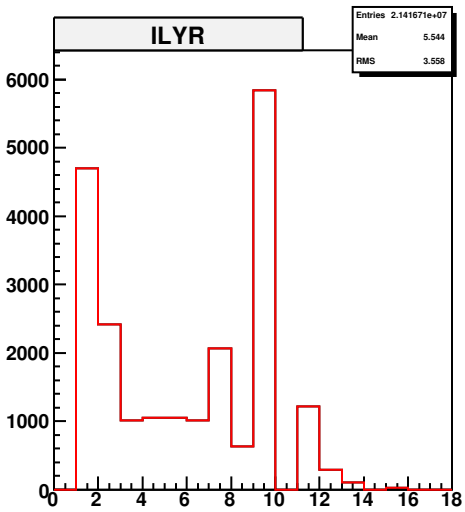


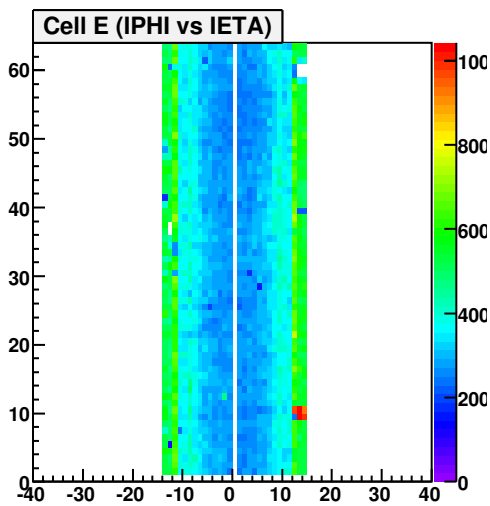


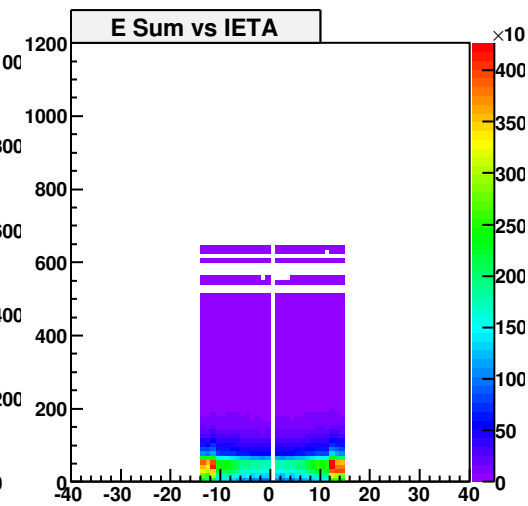


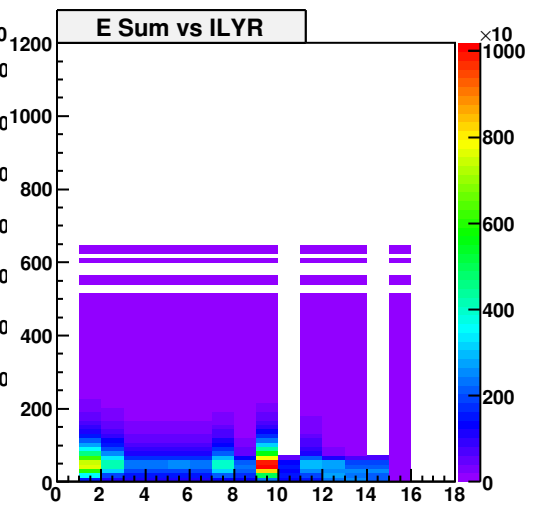




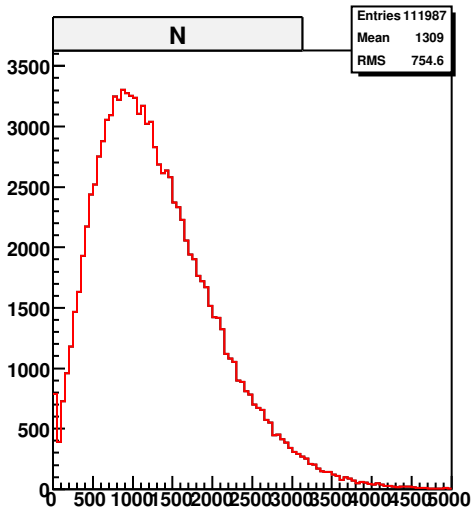


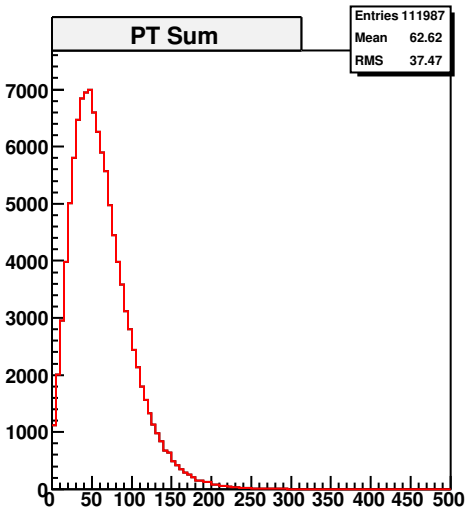


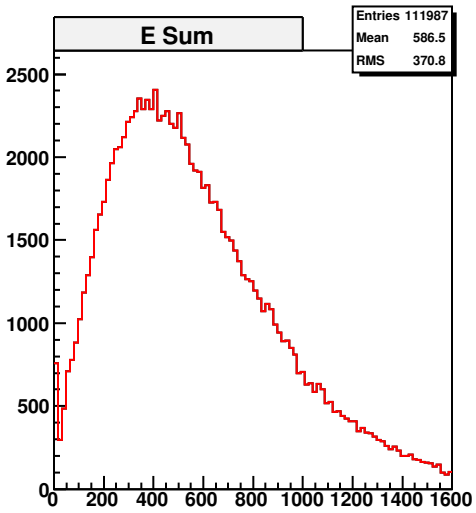


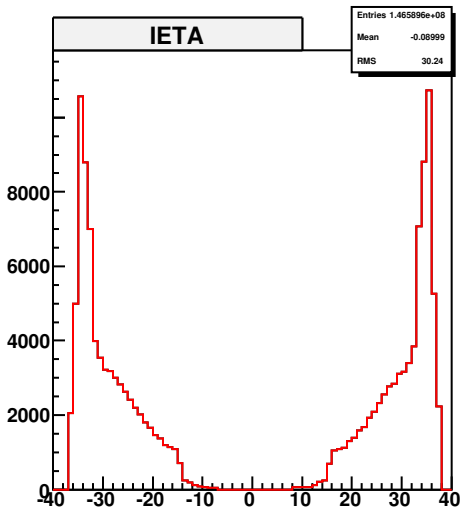


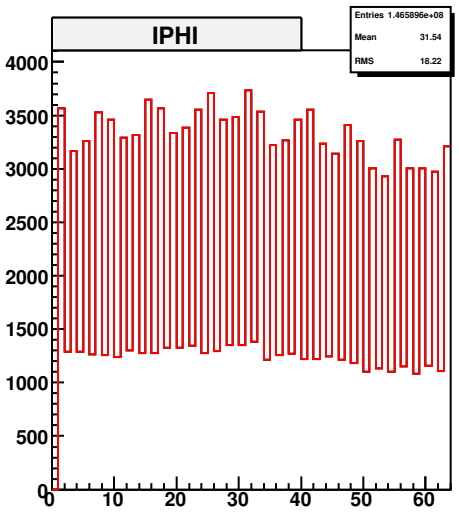
Calorimeter (All CC cells)

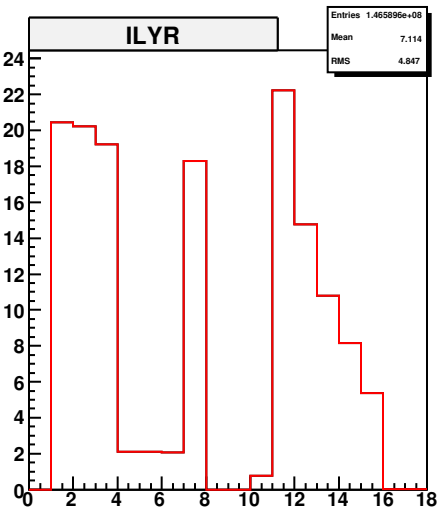


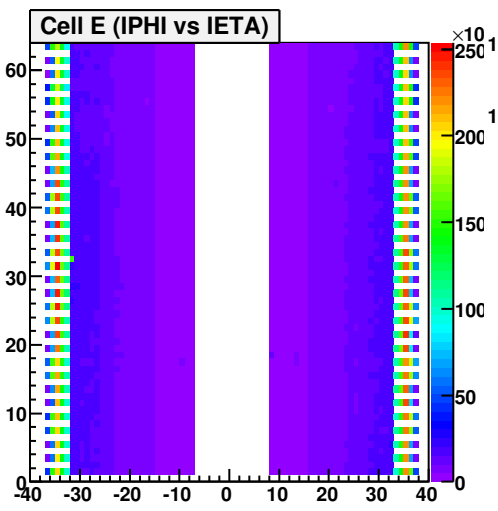


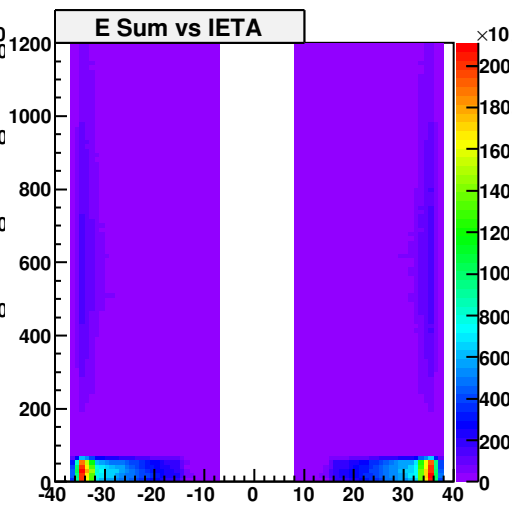


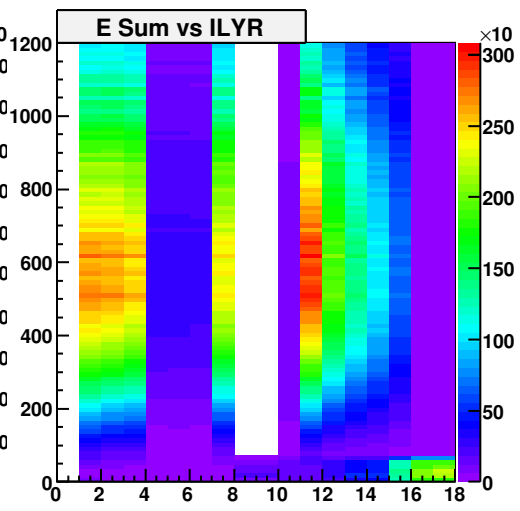




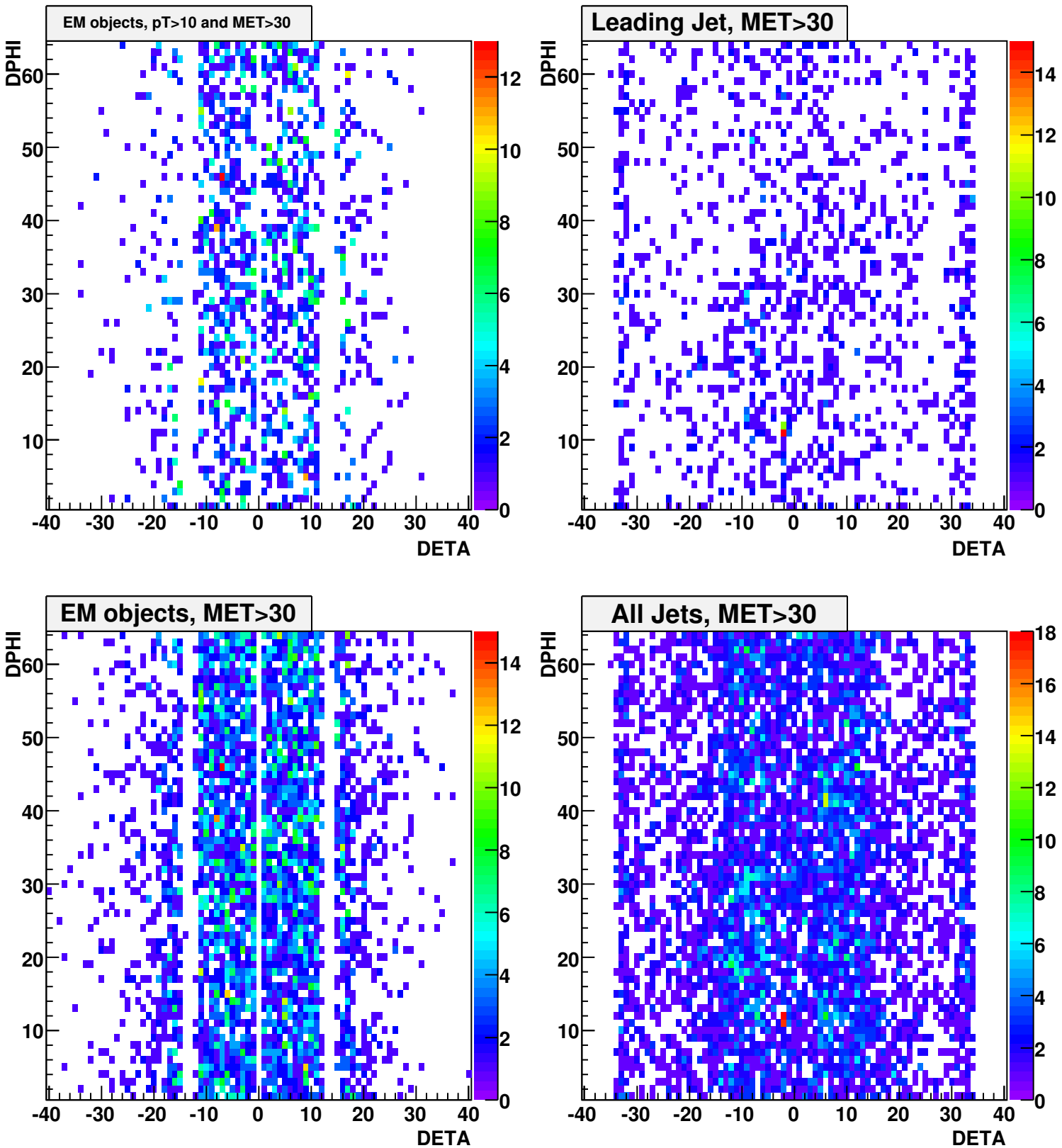




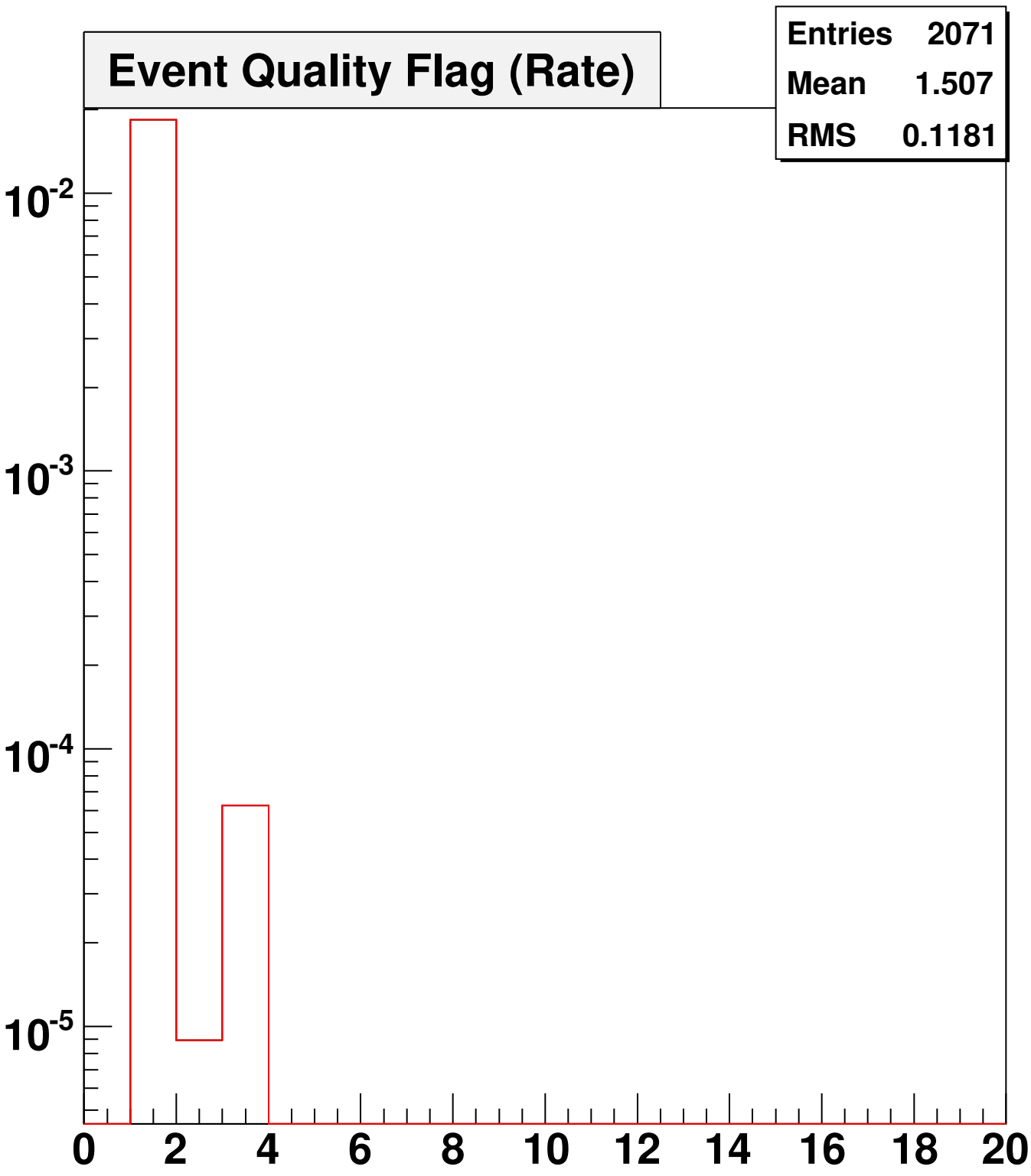


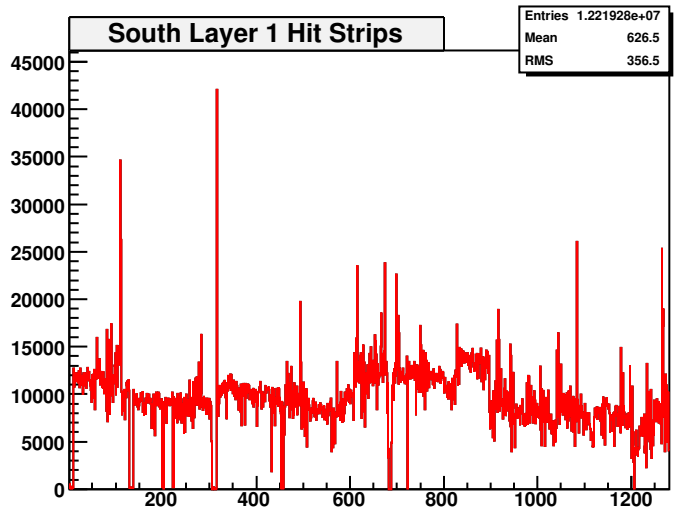


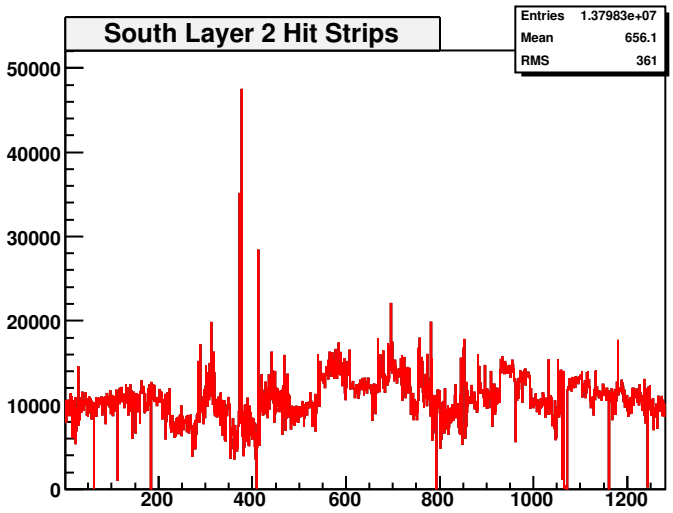
Calorimeter (All EC cells)

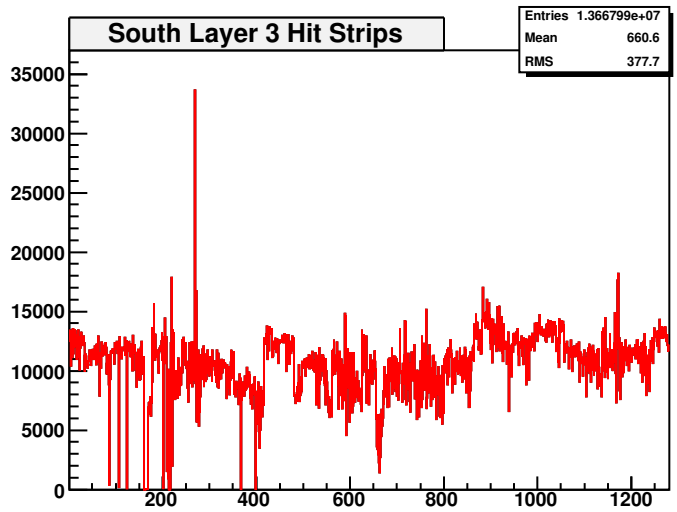


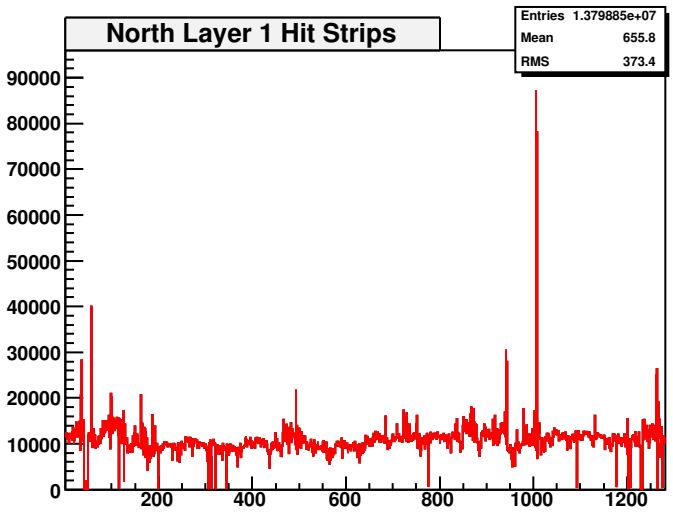
Cal Objects with MET>30 (All cells)

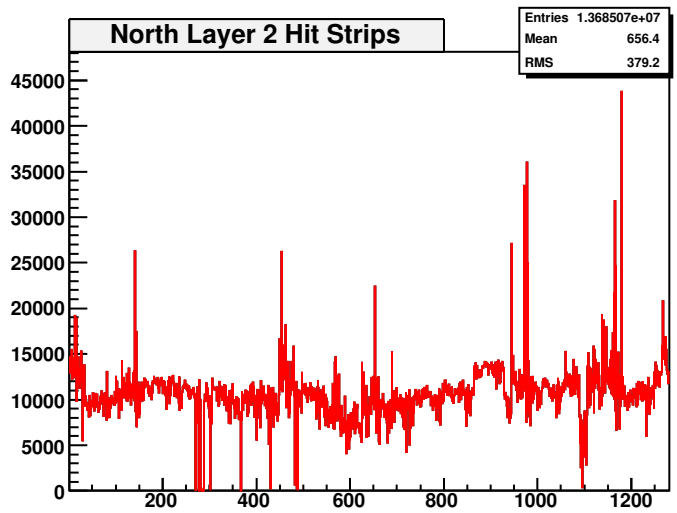

Event Quality Flag (Rate)
Entries 2071
Mean 1.507
RMS 0.1181
10-2
10-3
10-4
10-5
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

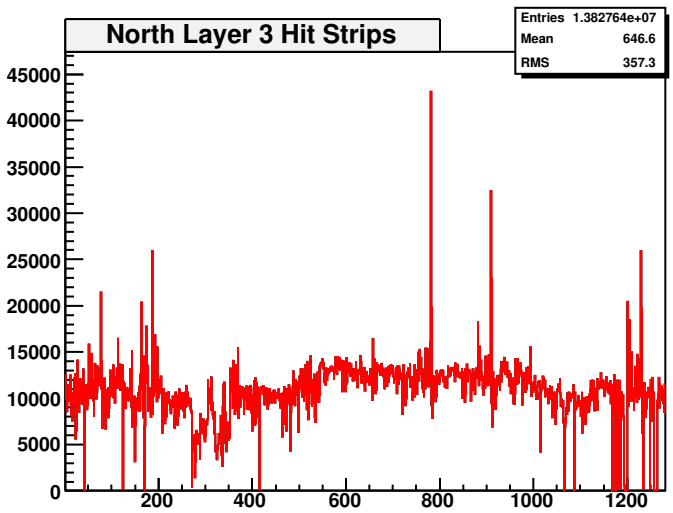




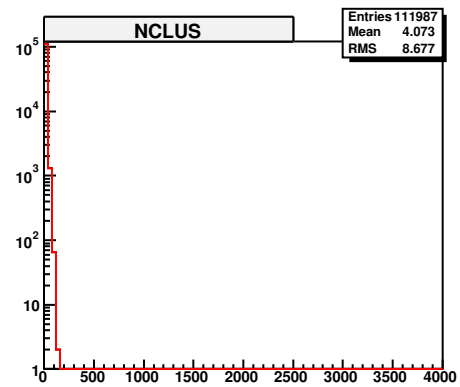


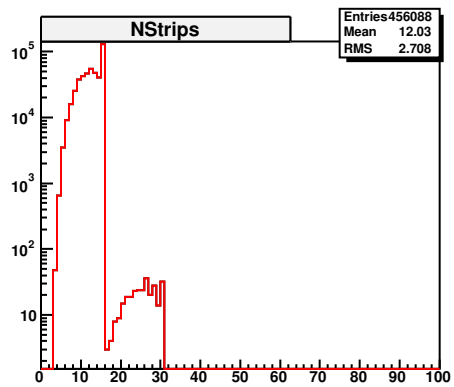


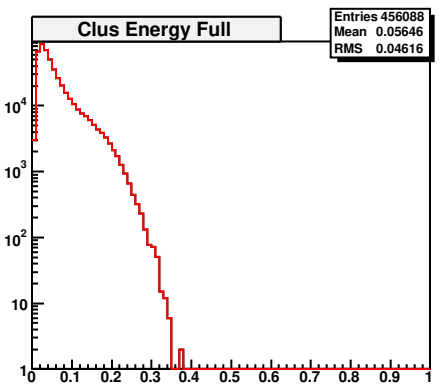


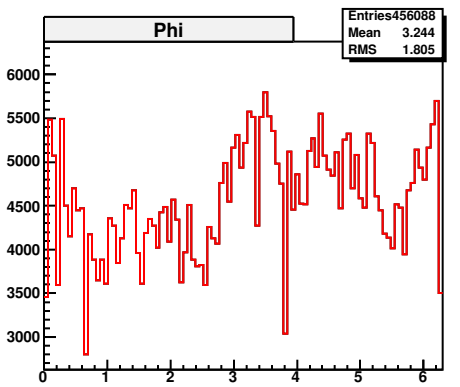


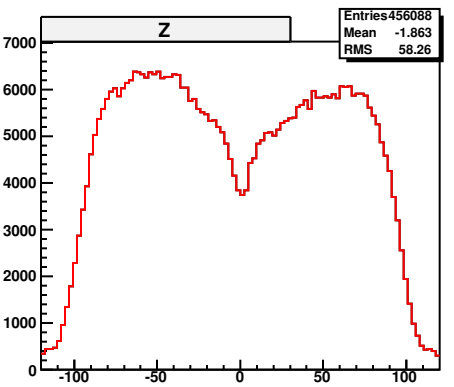
CPS Hit Strips (All Clusters)

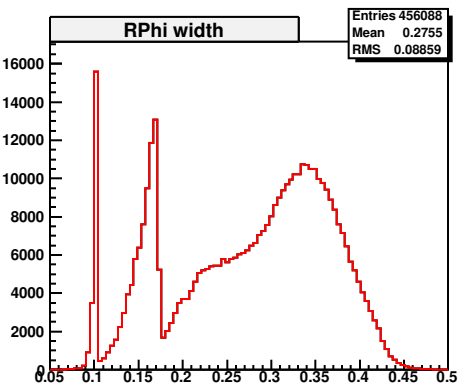


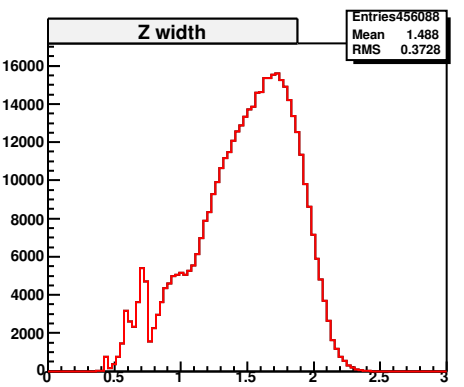


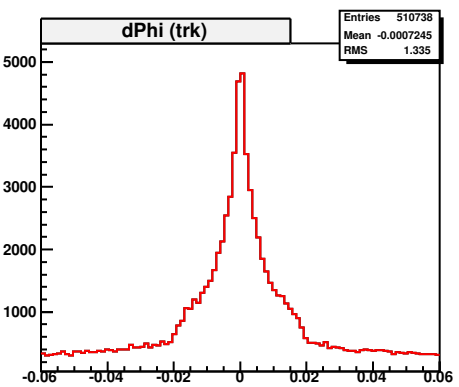


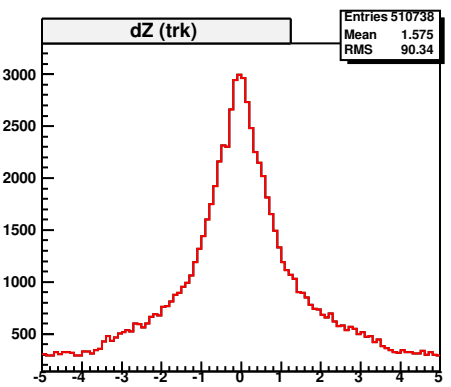


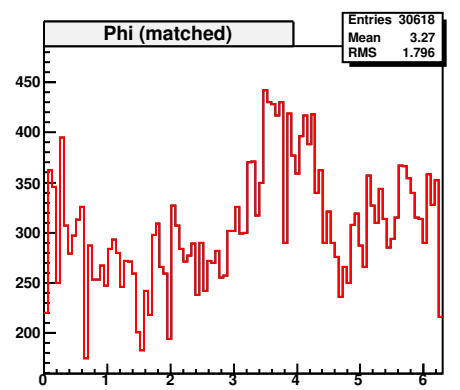


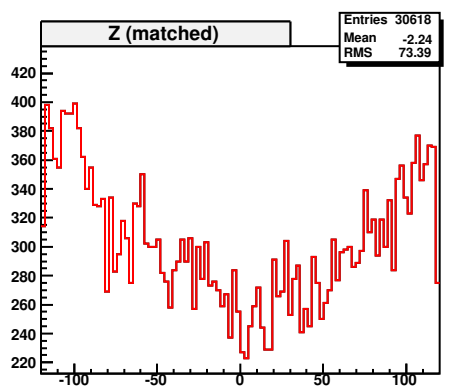




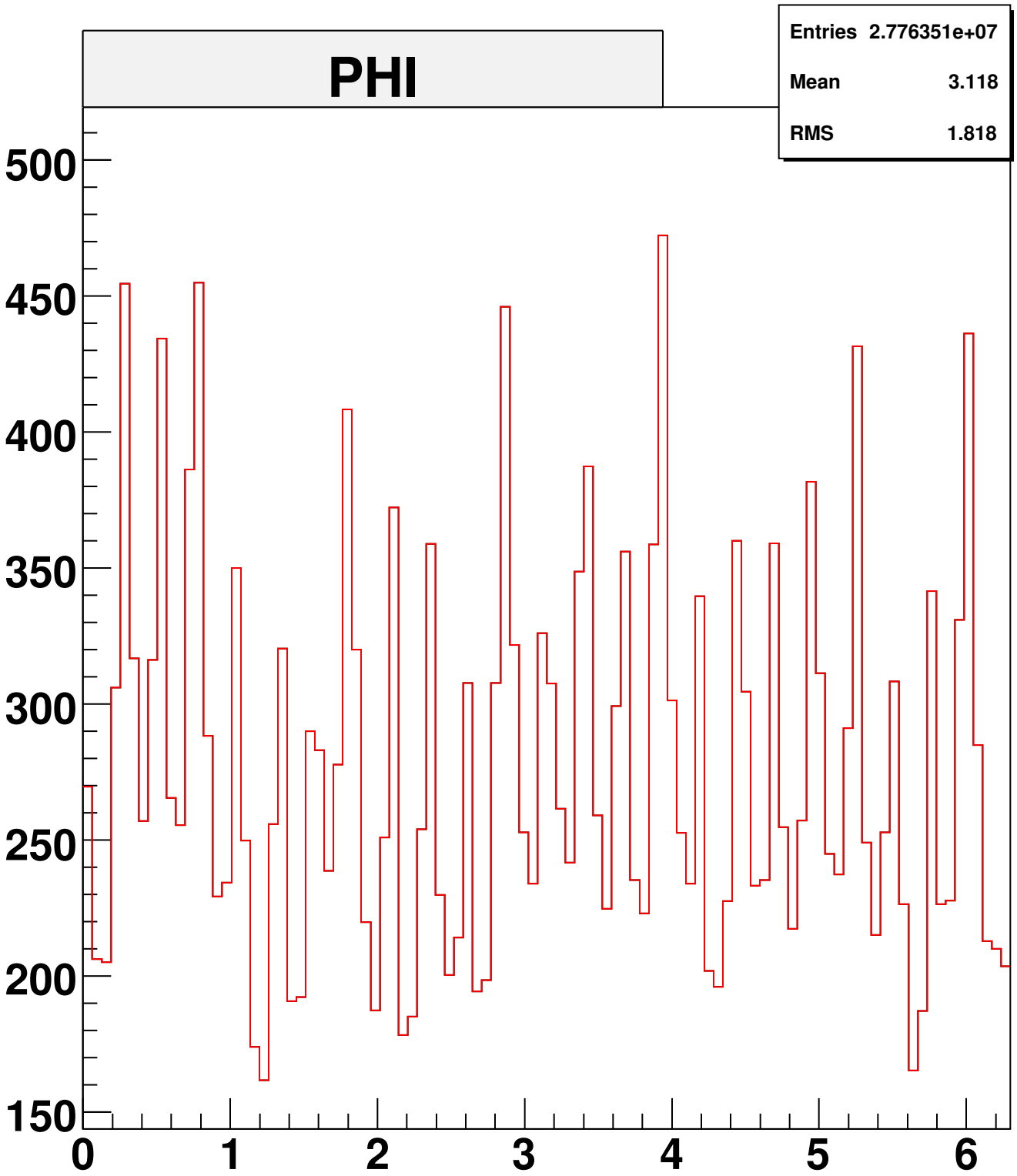


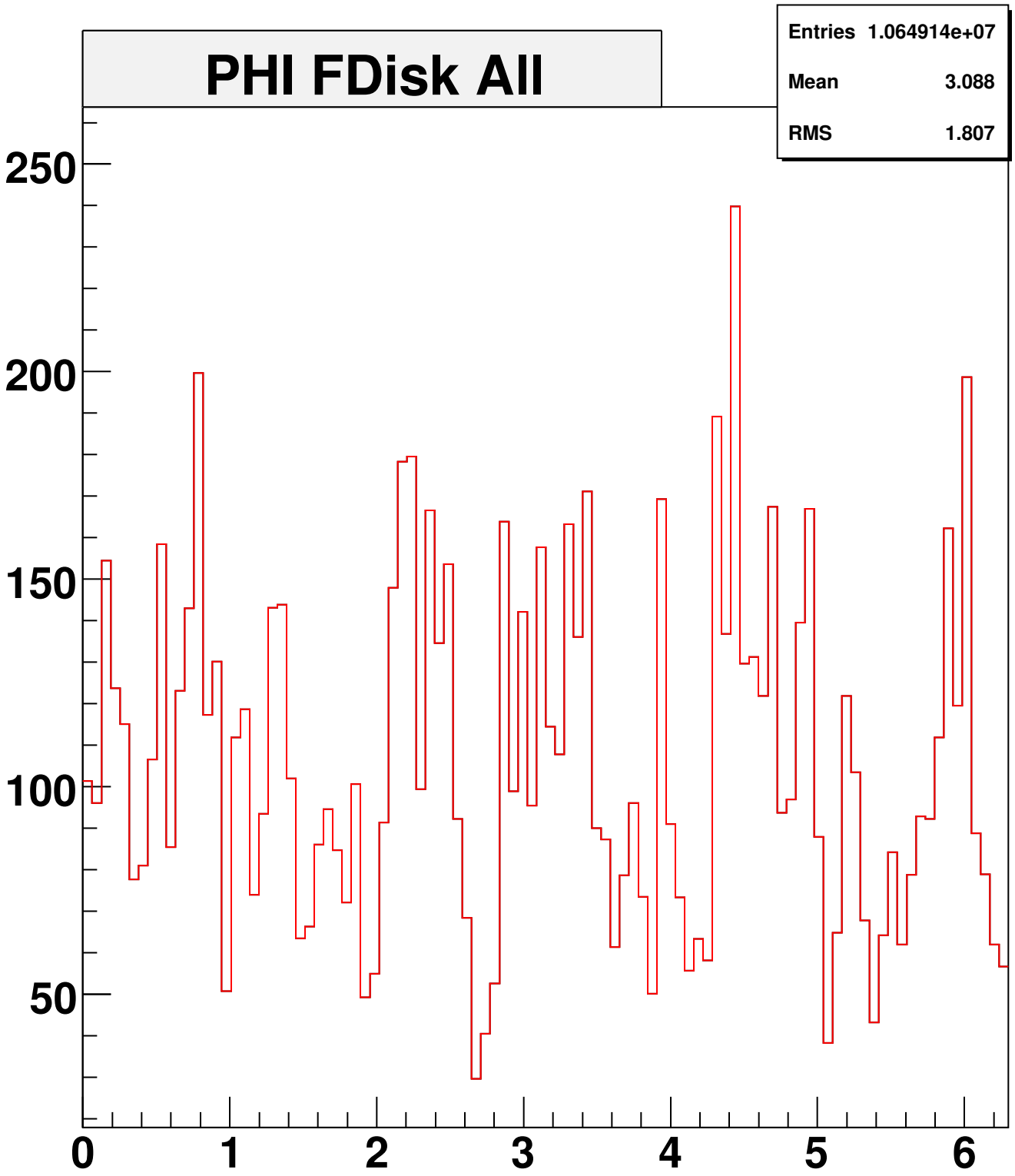


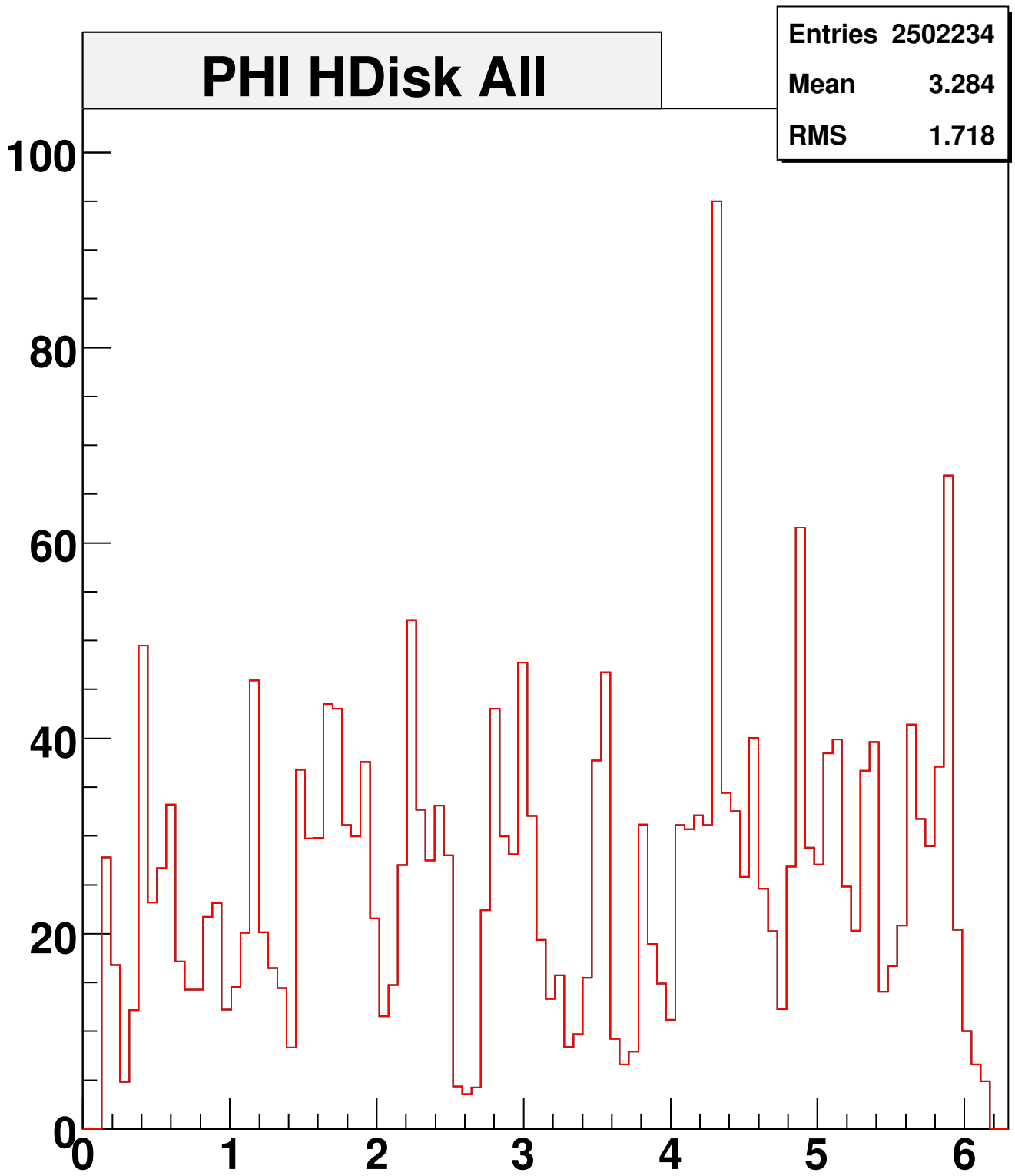




CPS Clusters (All Clusters)


PHI
Entries 2.776351e+07
Mean 3.118
RMS 1.818
500
450
400
350
300
250
200
150
0
1
2
3
4
5
6
SmtClusters (allBarClusters)


PHI FDisk All
Entries 1.064914e+07
Mean 3.088
RMS 1.807
250
200
150
100
50
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)


PHI HDisk All
Entries 2502234
Mean 3.284
RMS 1.718
100
80
60
40
20
0
0
1
2
3
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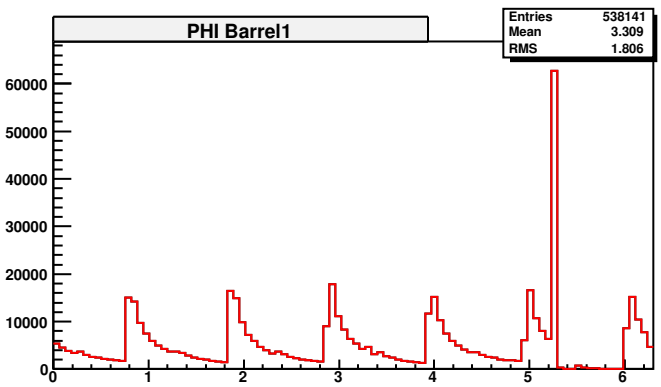
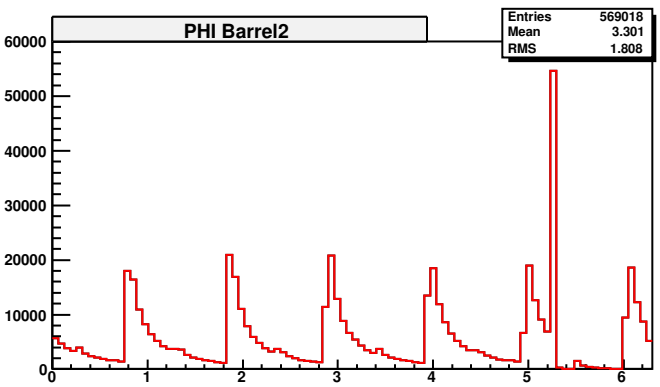
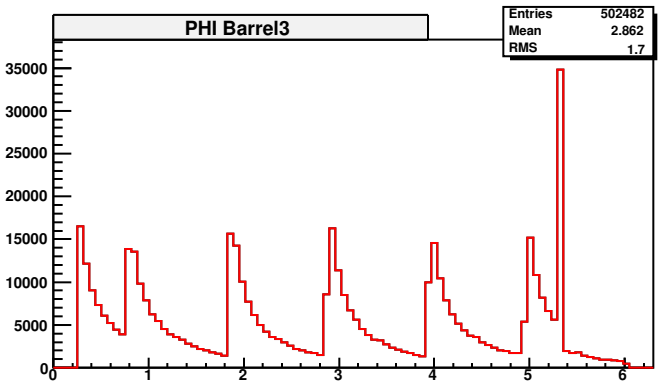
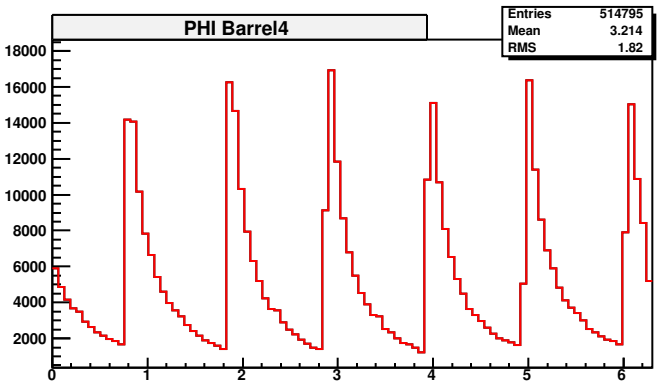
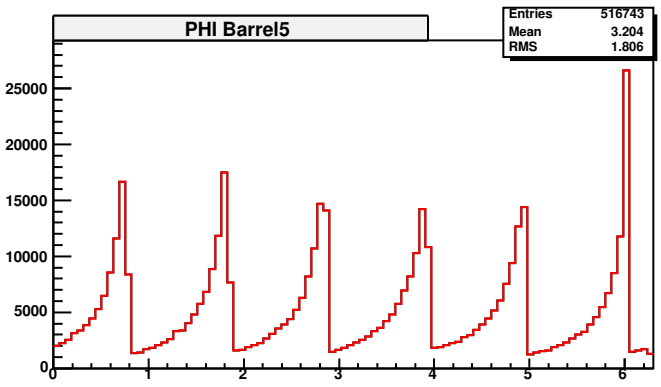
5
6
SmtClusters (allHDiskClusters)

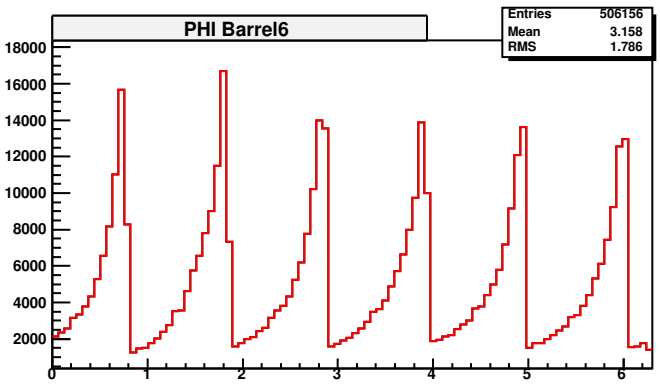


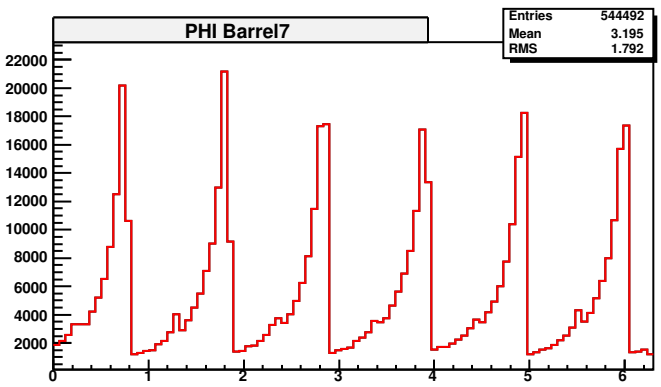


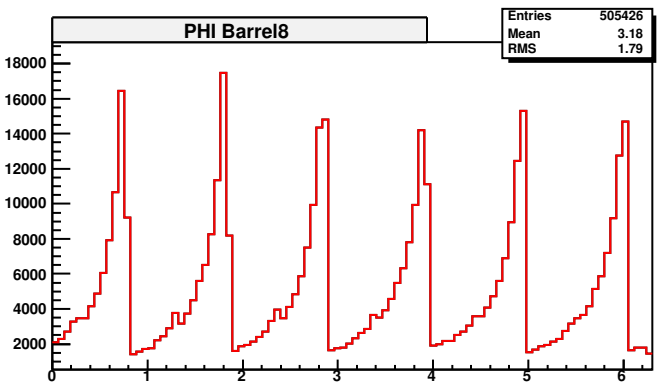




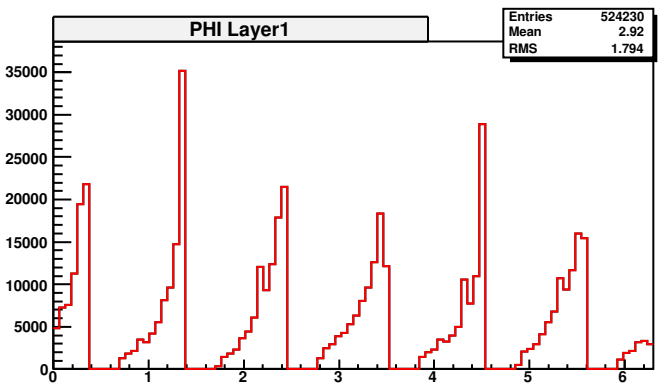


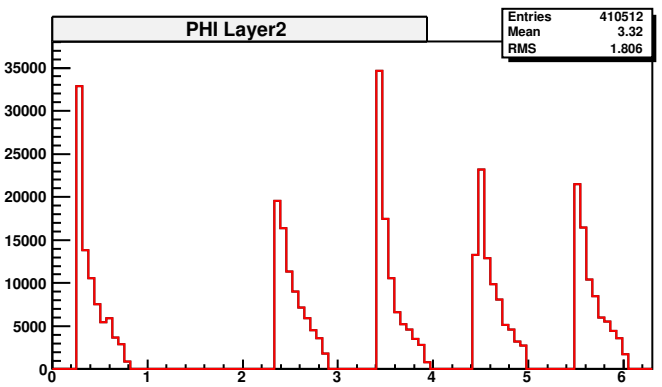


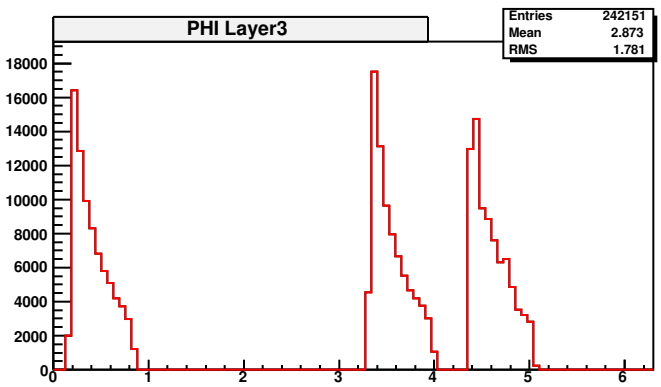


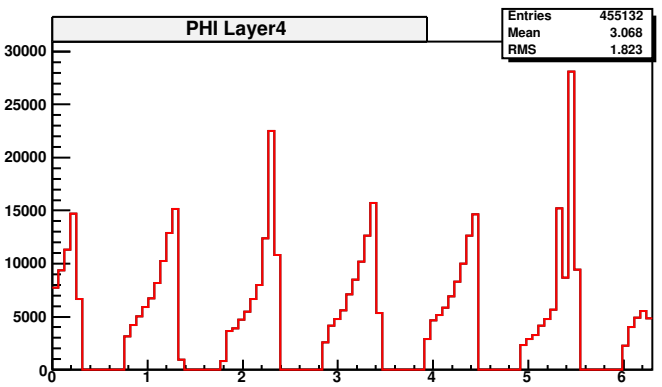


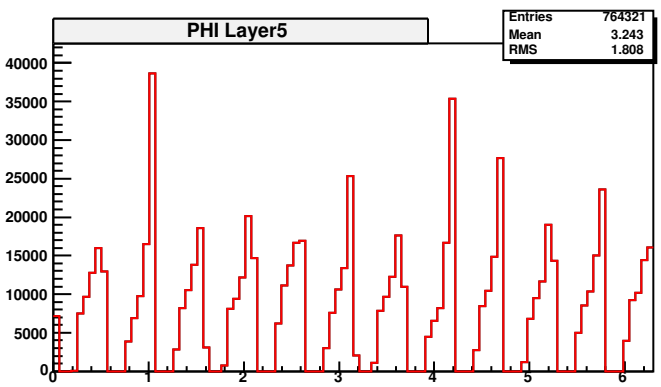
SmtClusters (ClustrLayer0)

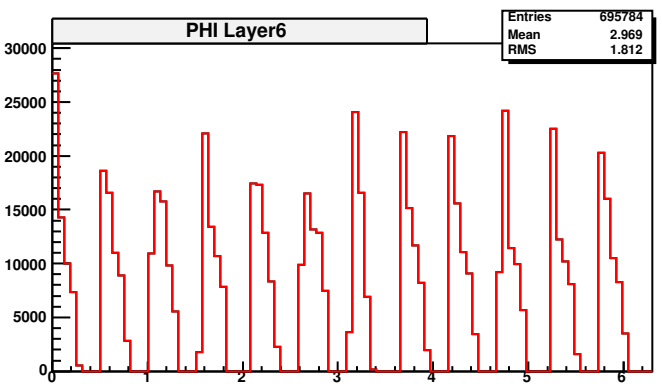


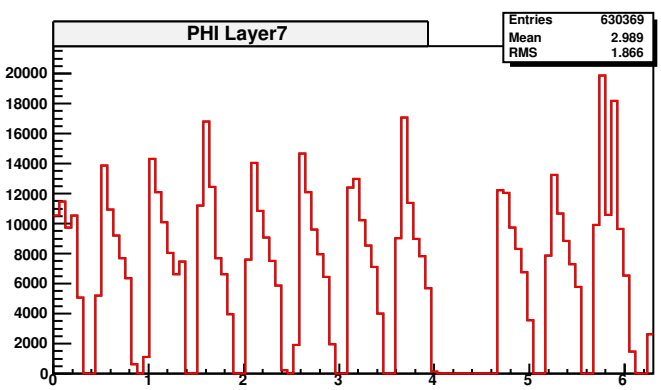


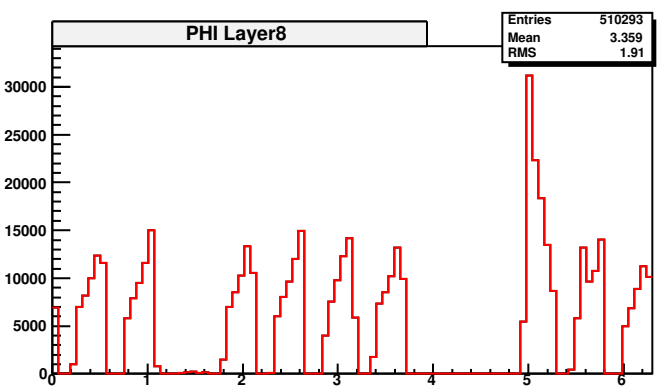




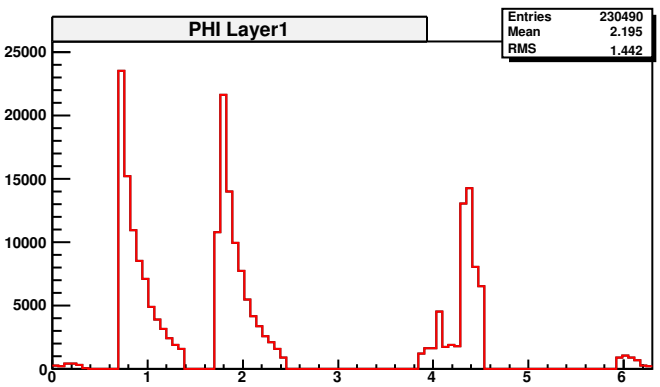


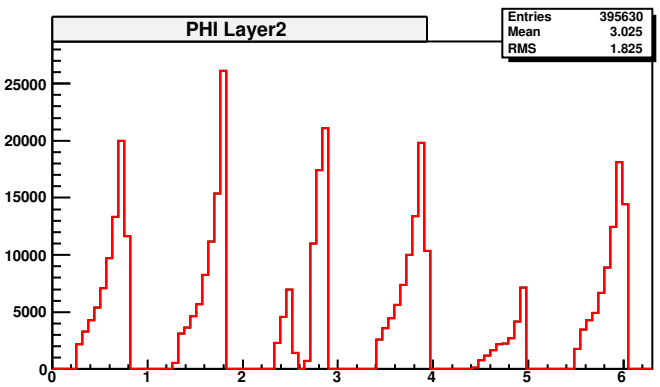


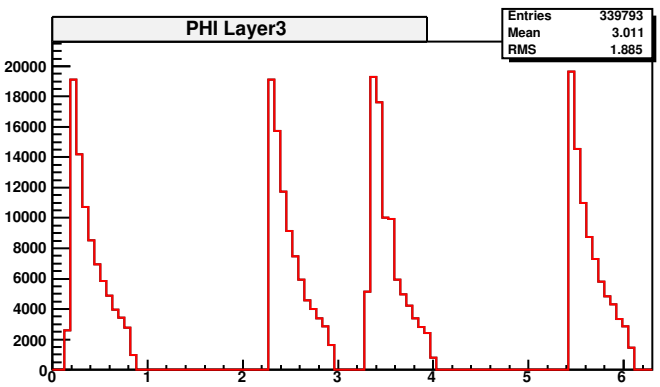


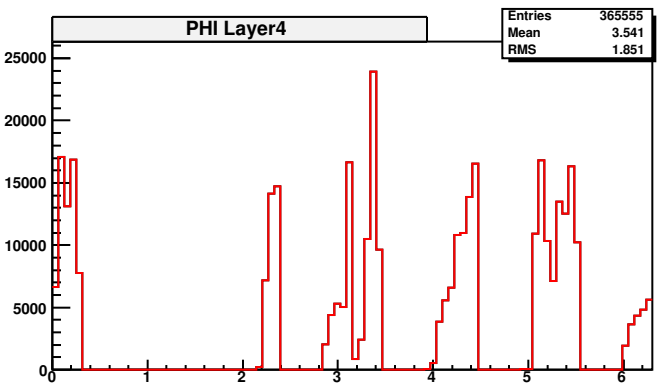


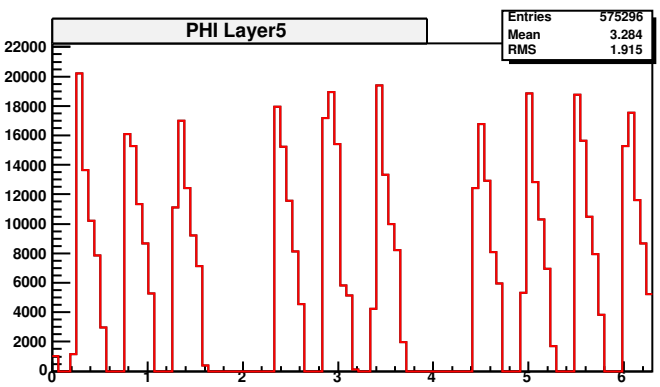
SmtClusters (ClustrBar1)

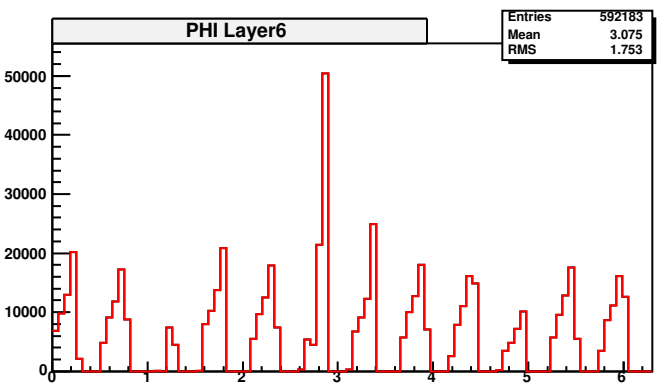


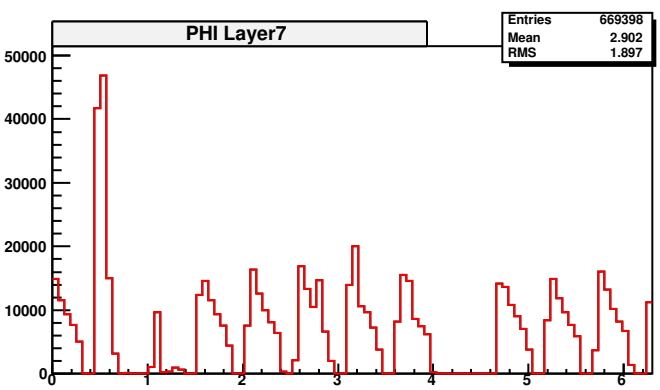


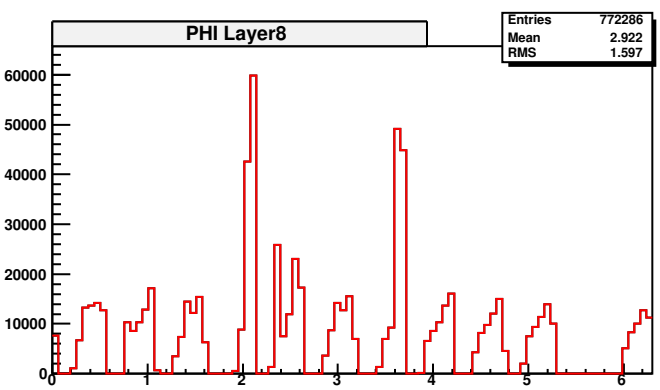




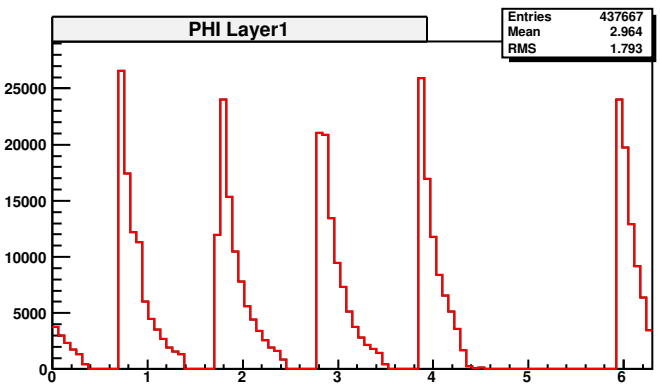


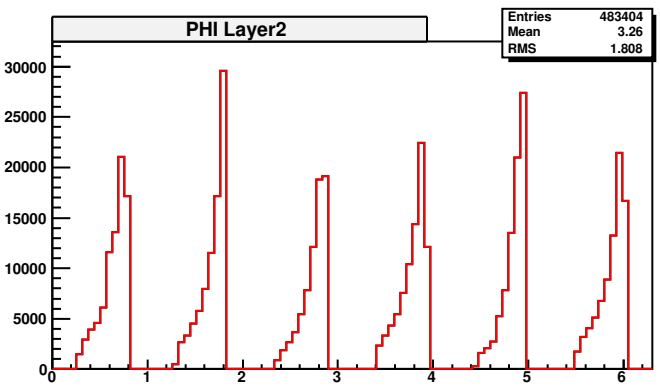


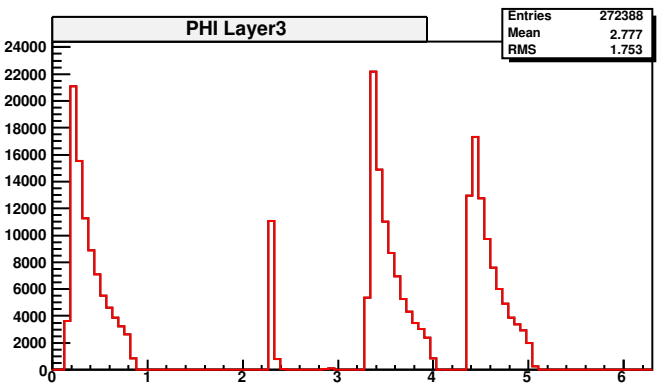


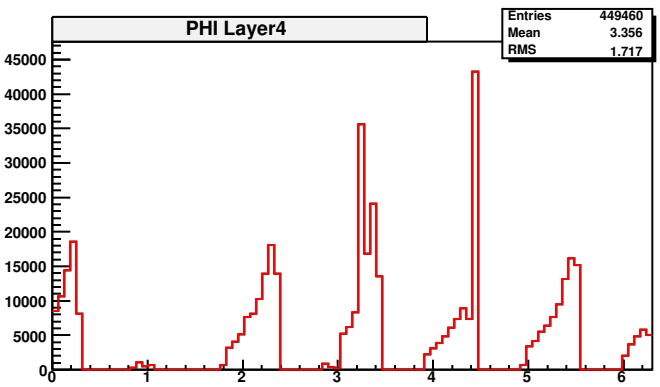


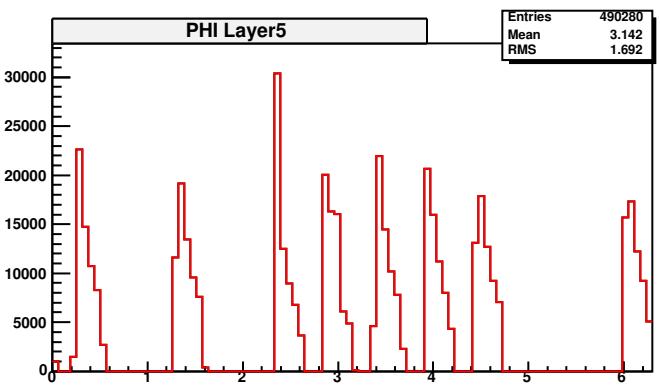
SmtClusters (ClustrBar2)

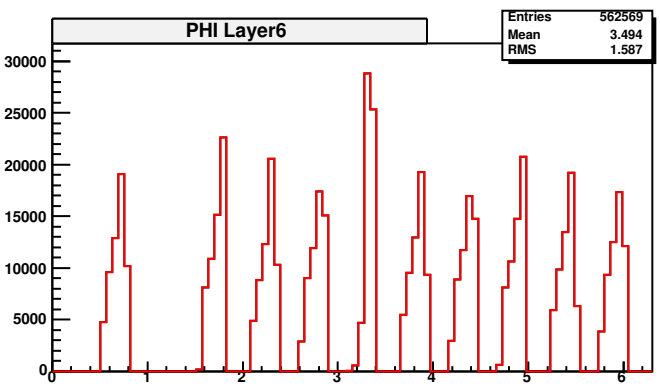


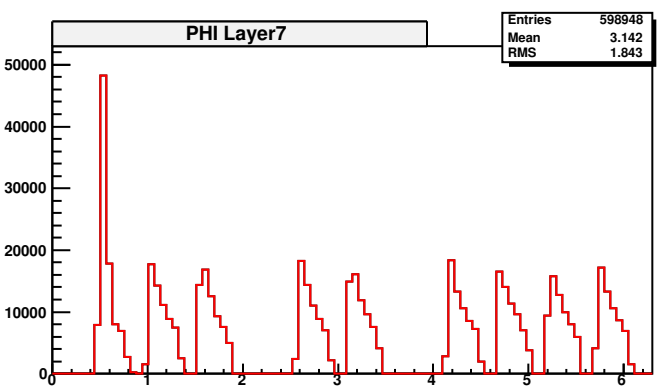


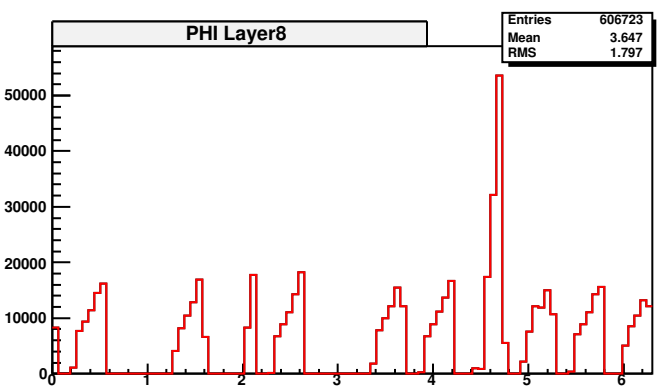




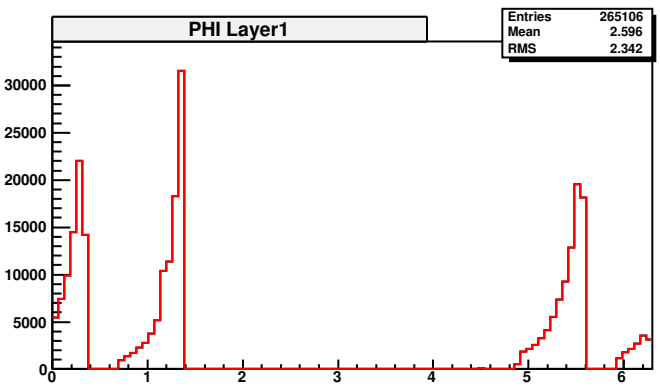


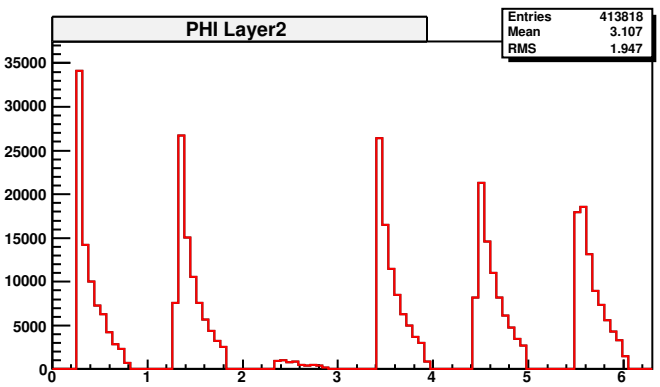


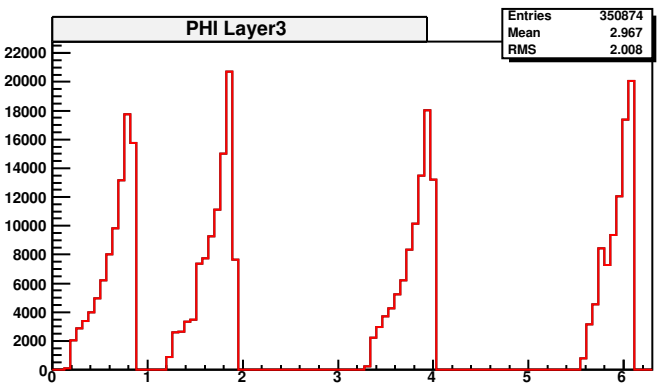


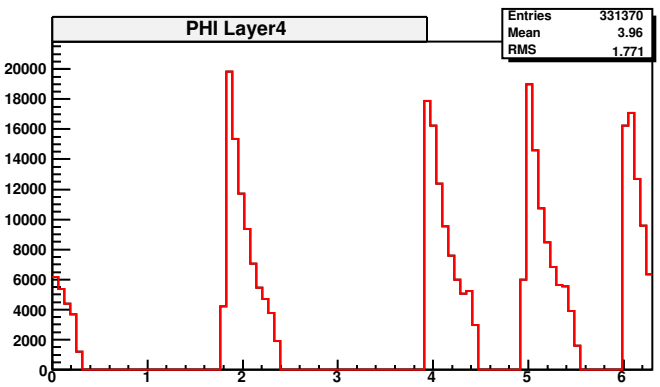


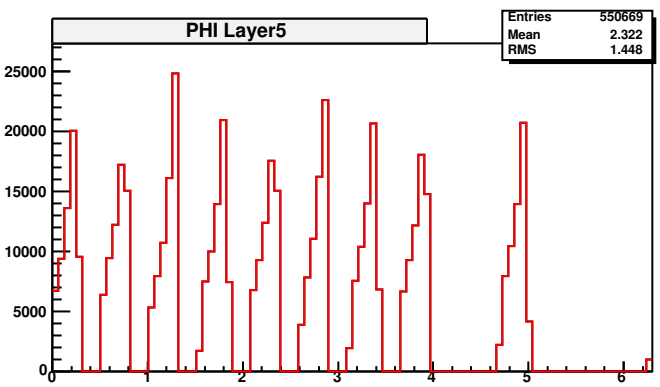
SmtClusters (ClustrBar3)

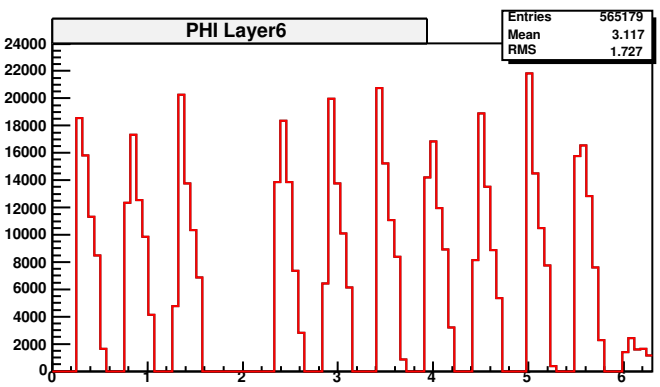


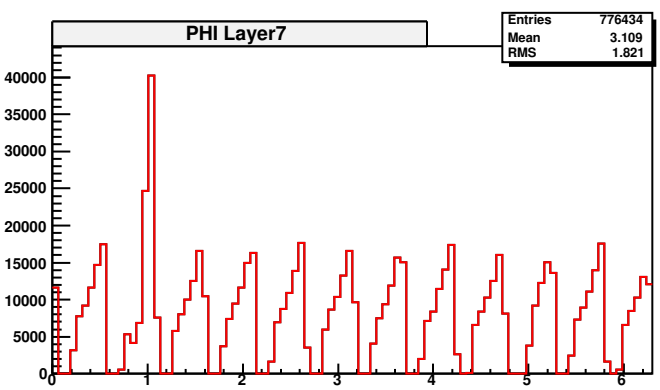


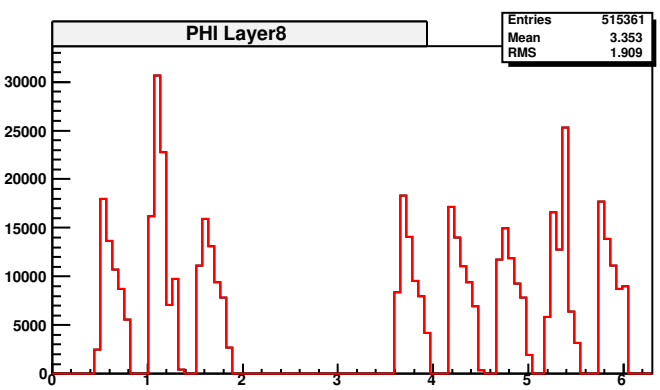




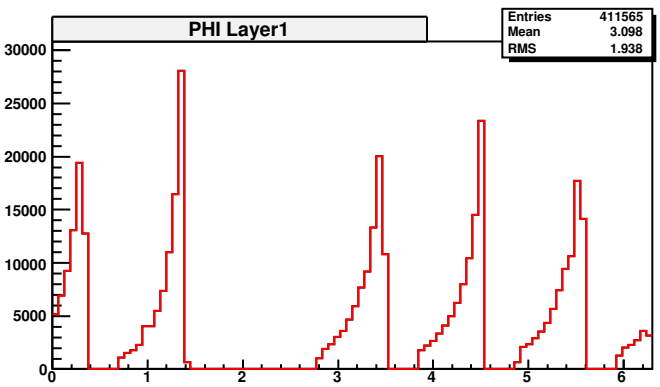


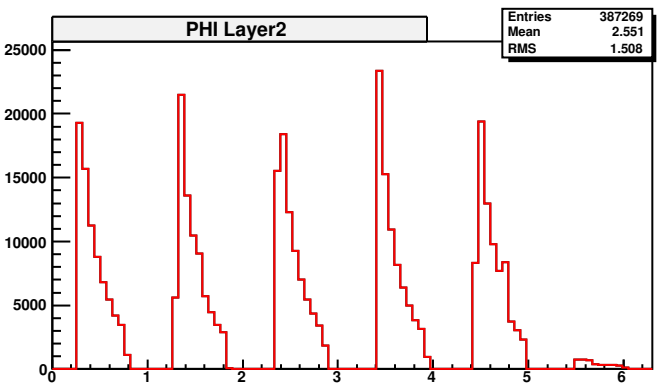


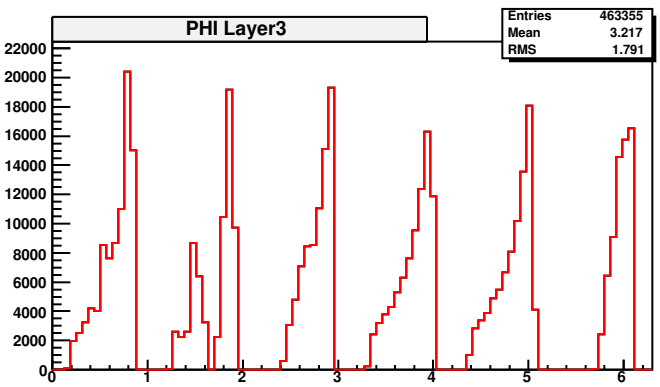


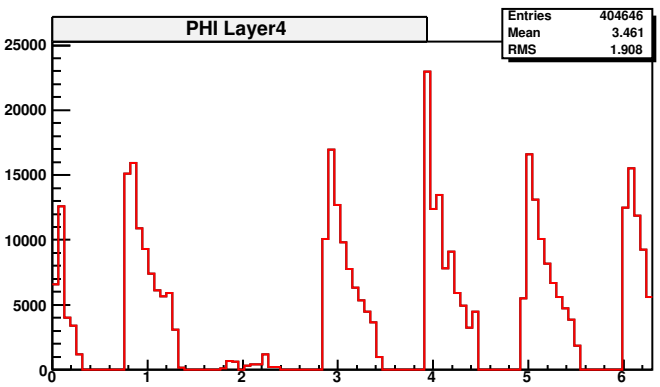


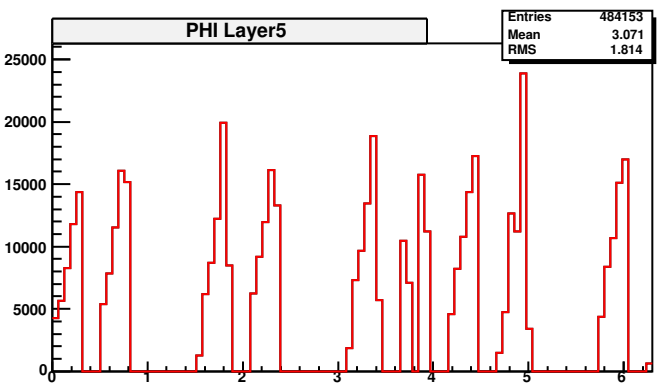
SmtClusters (ClustrBar4)

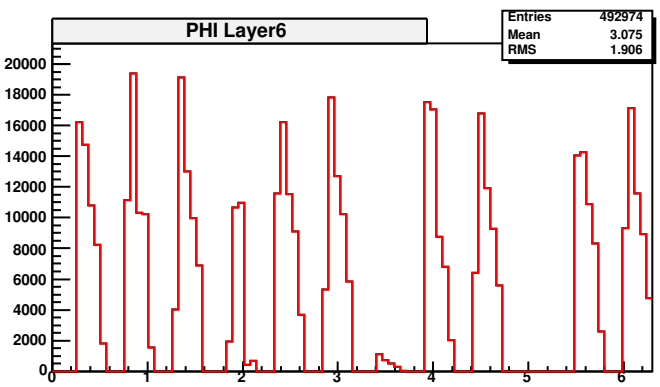


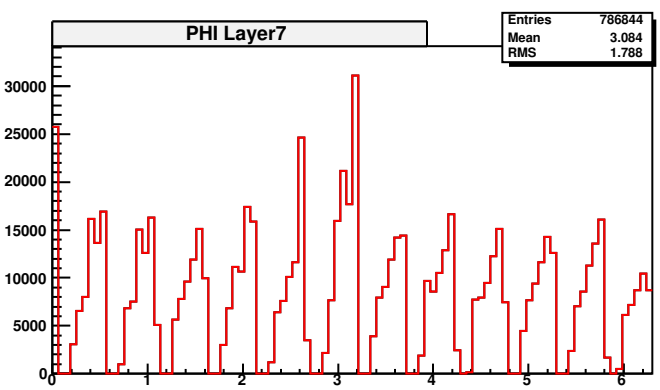


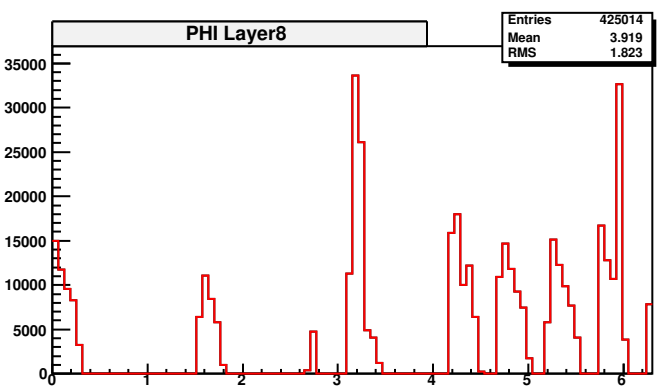




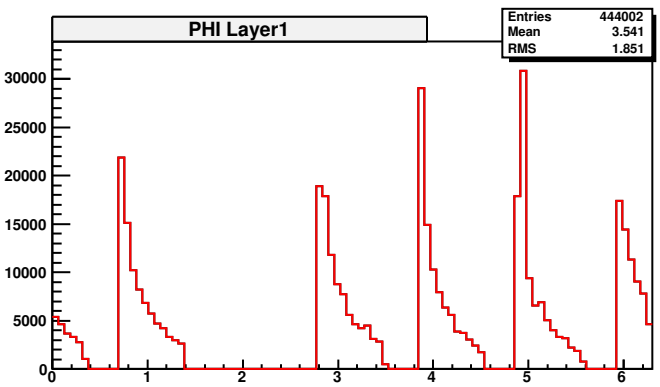


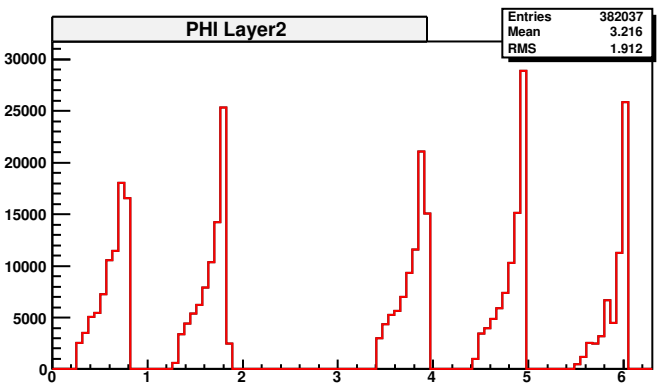


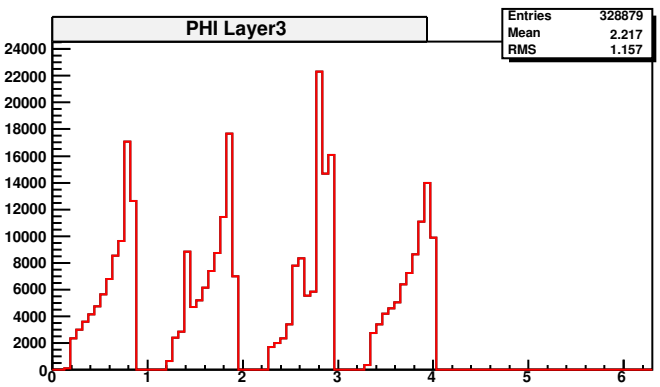


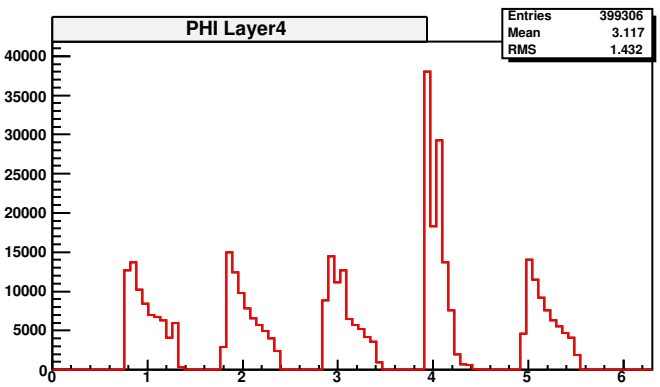


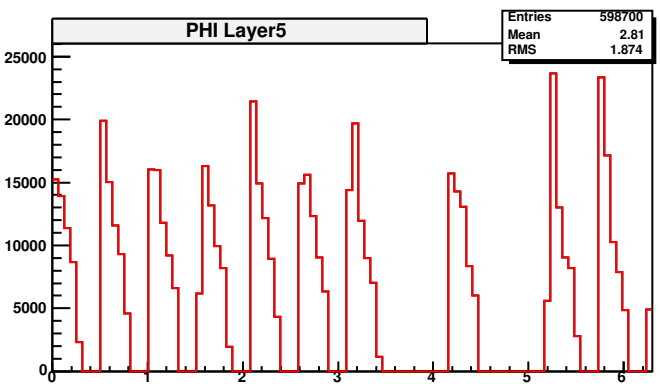
SmtClusters (ClustrBar5)

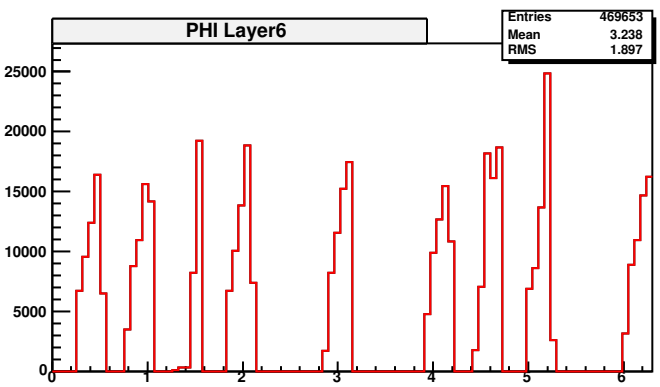


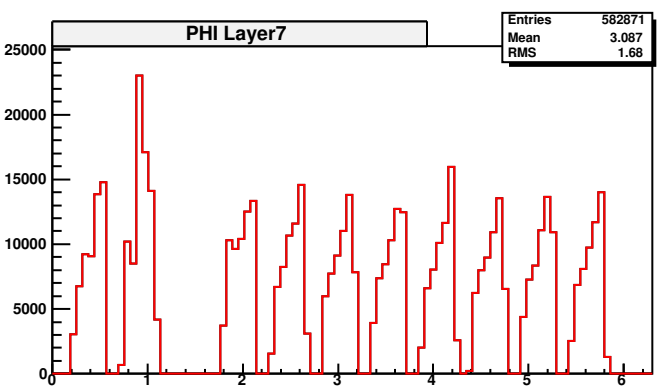


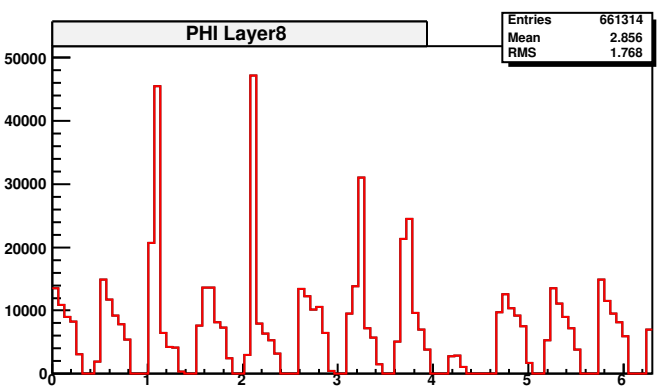




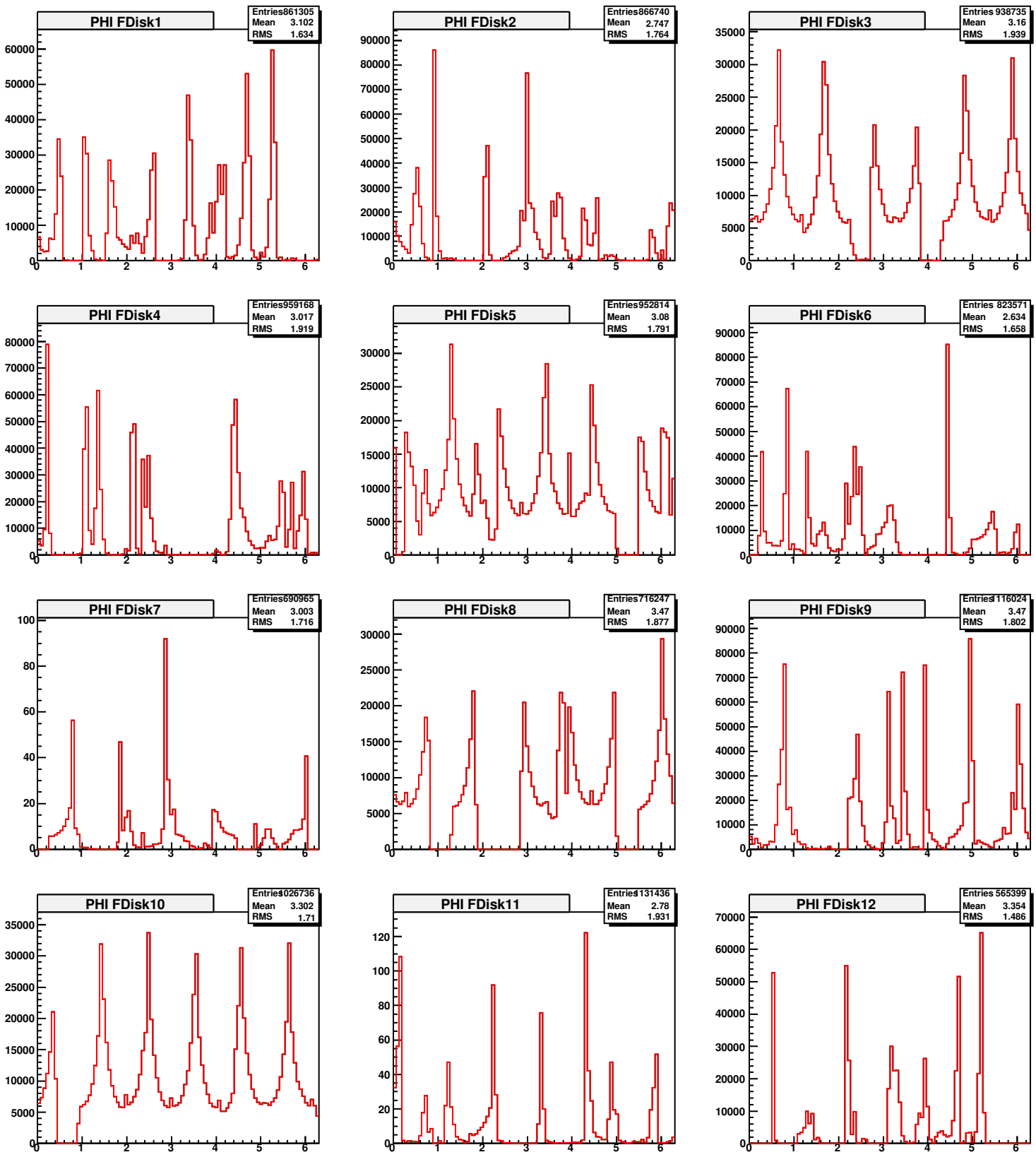




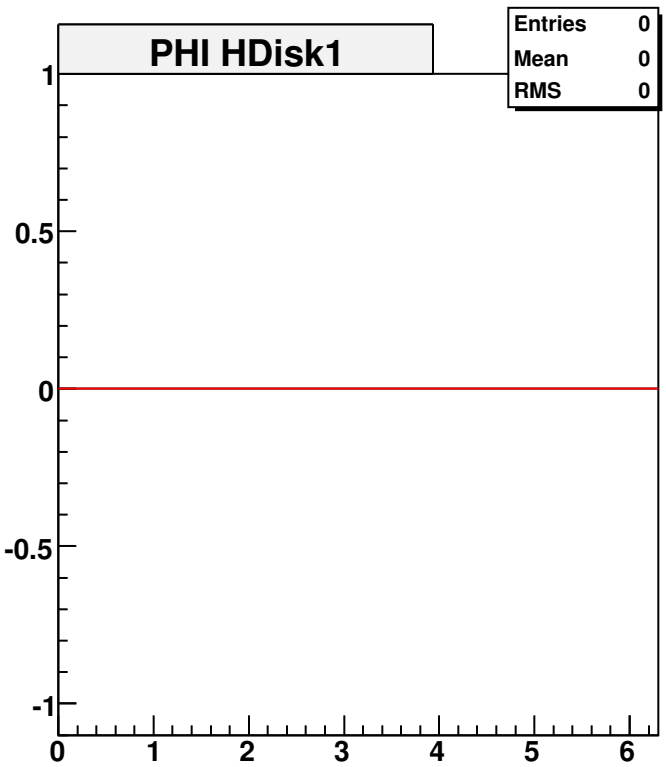


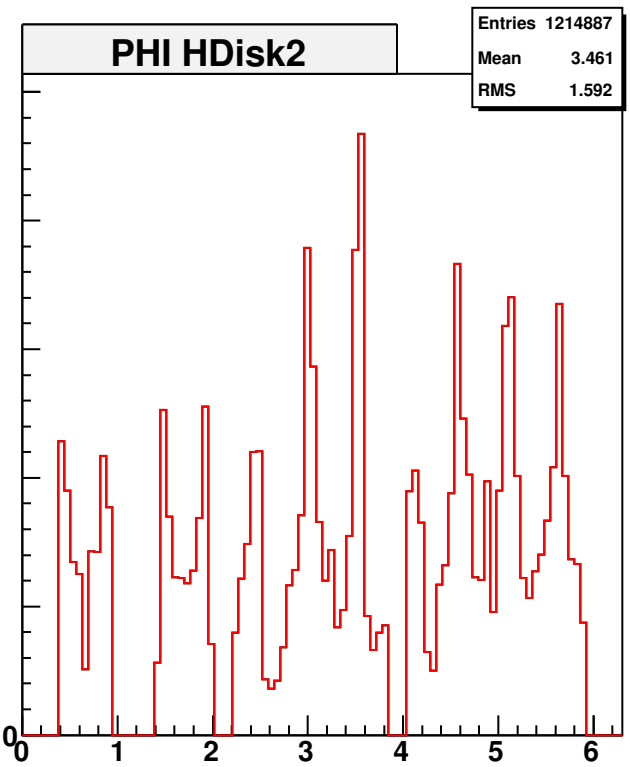


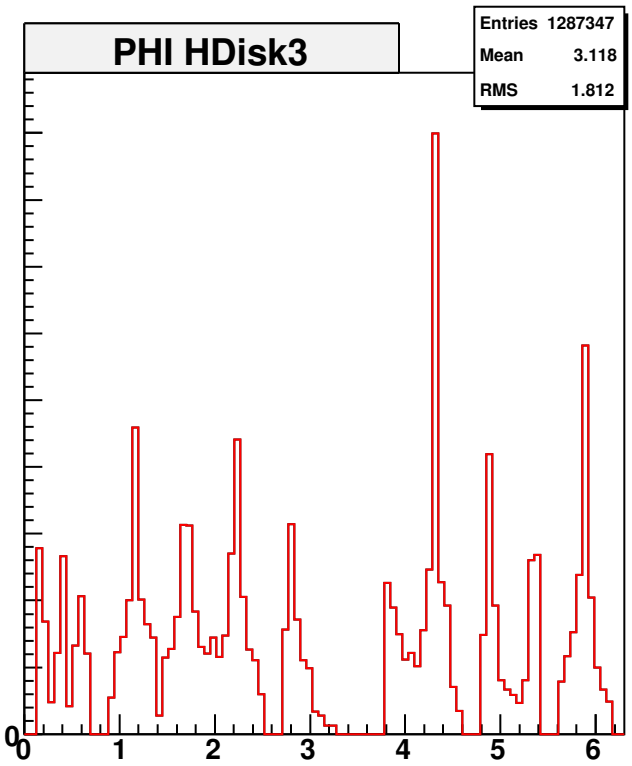
SmtClusters (ClustrBar6)

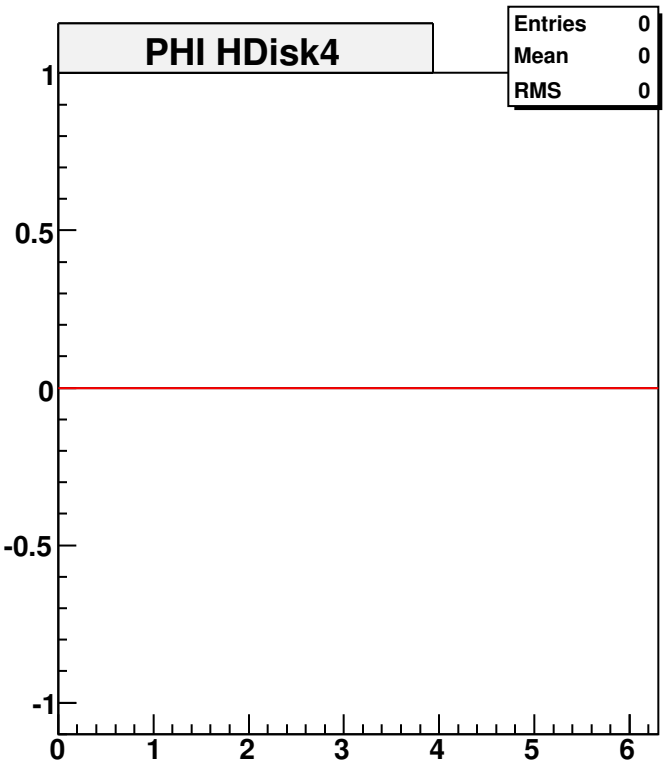


SmtClusters (FDiskClusters)

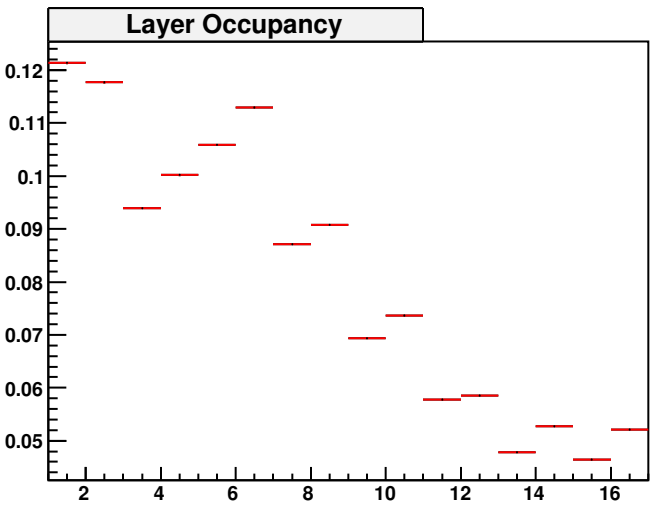


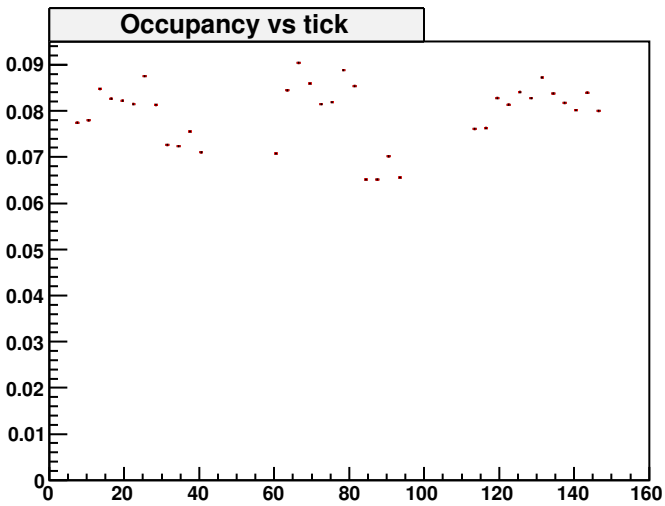


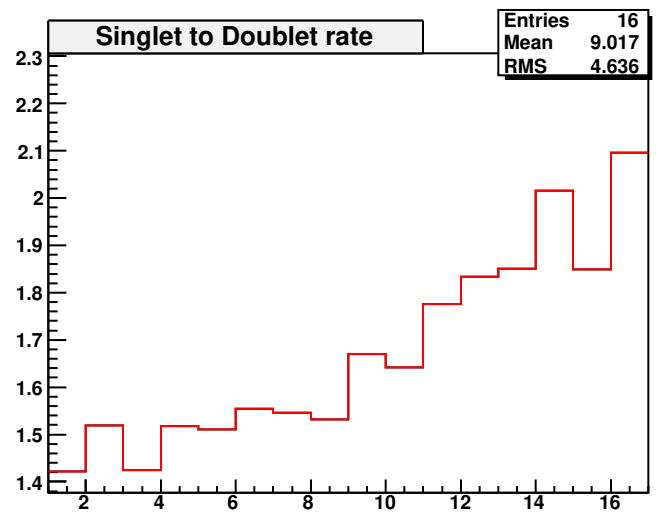


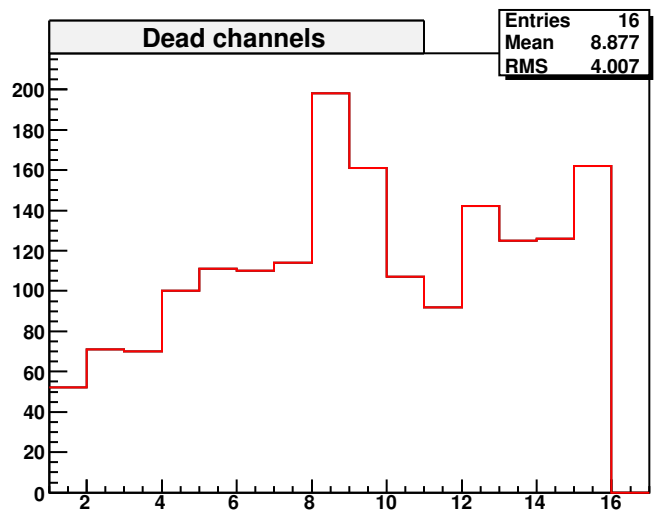


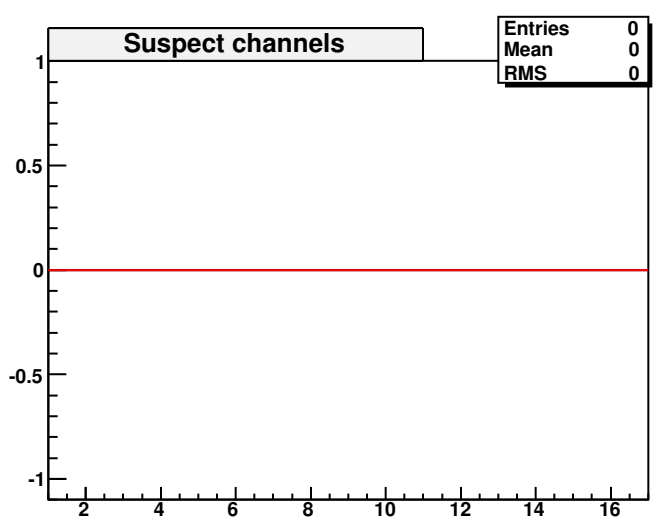
SmtClusters (HDiskClusters)

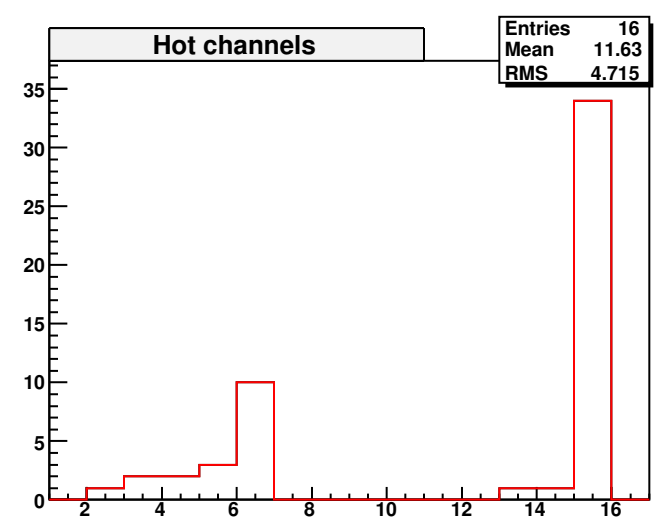




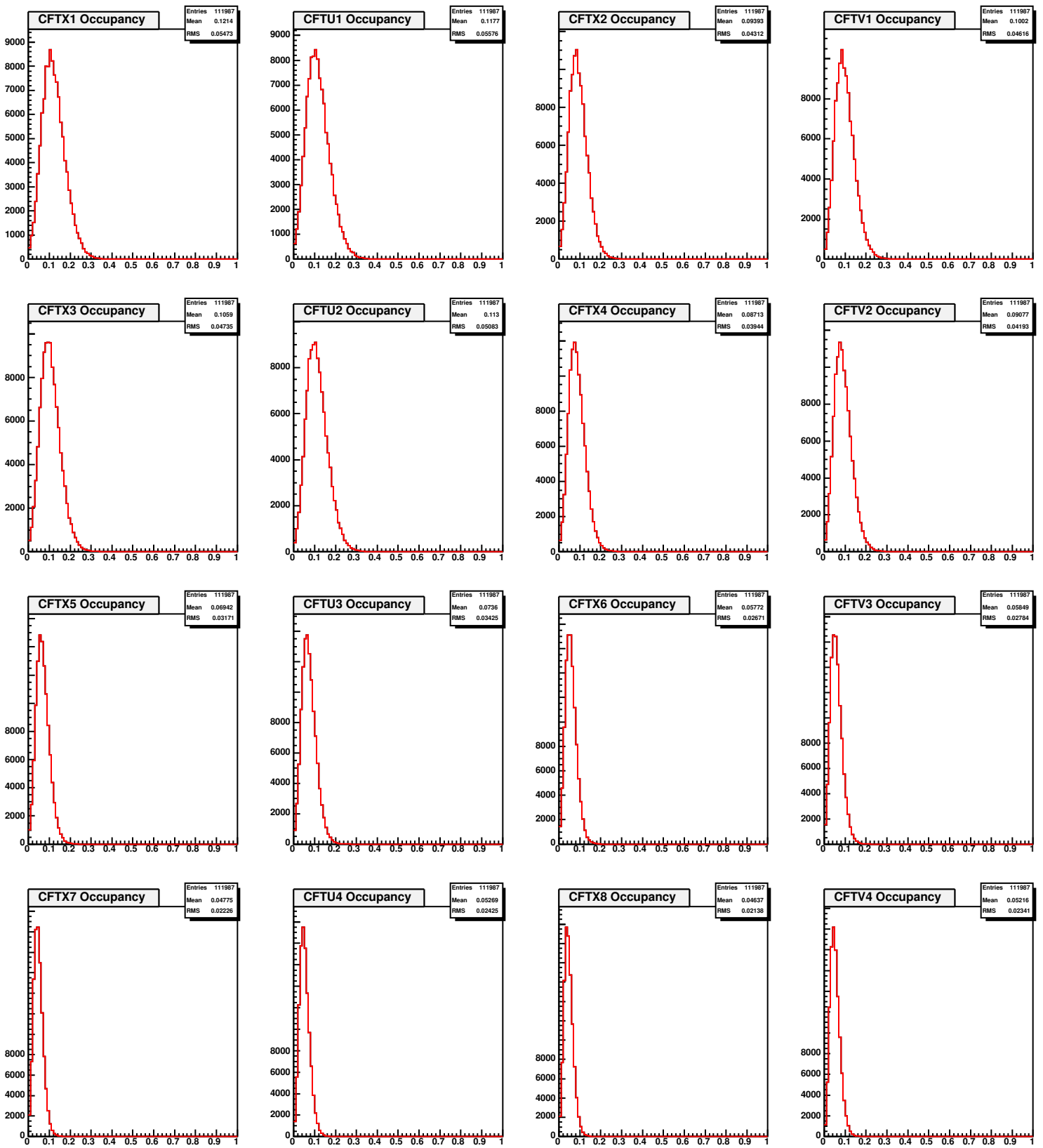




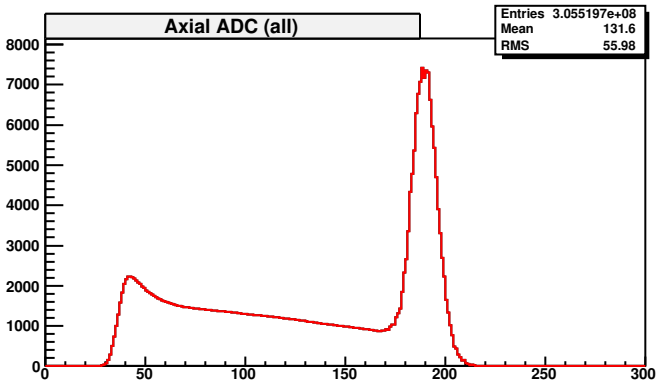


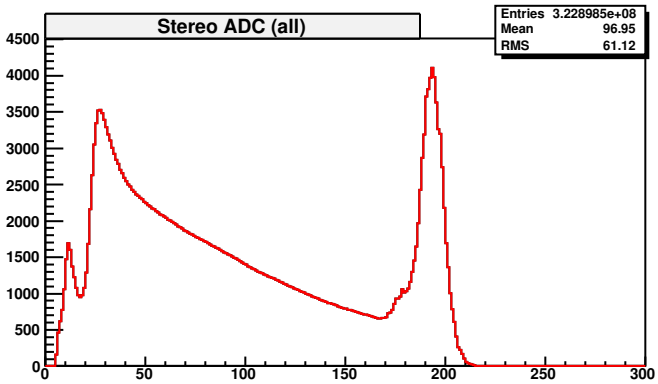


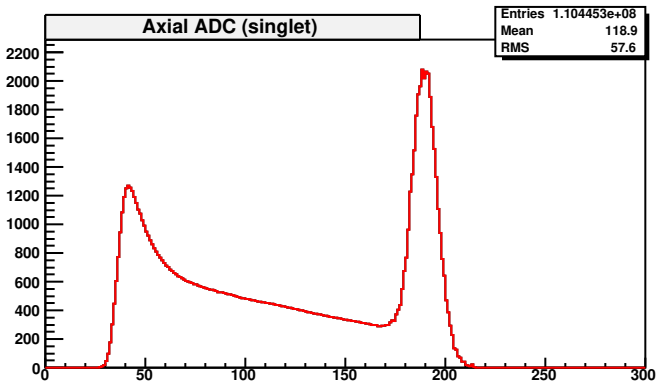
CFT Summary (All Clusters)

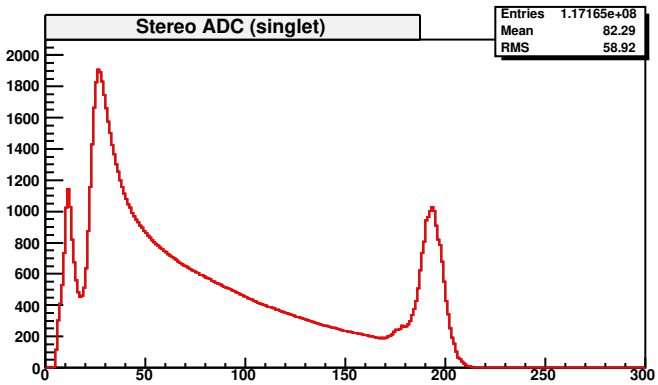


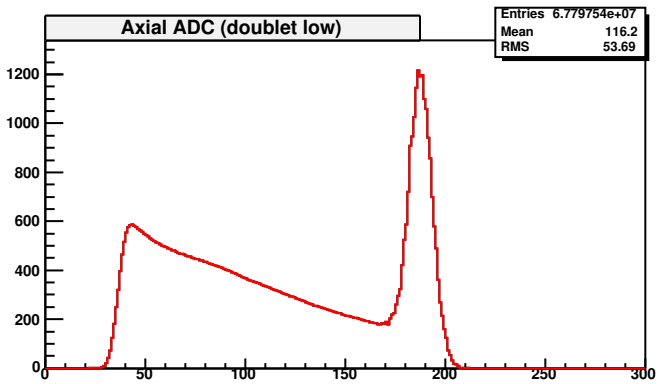
CFT Occupancy (All Clusters)

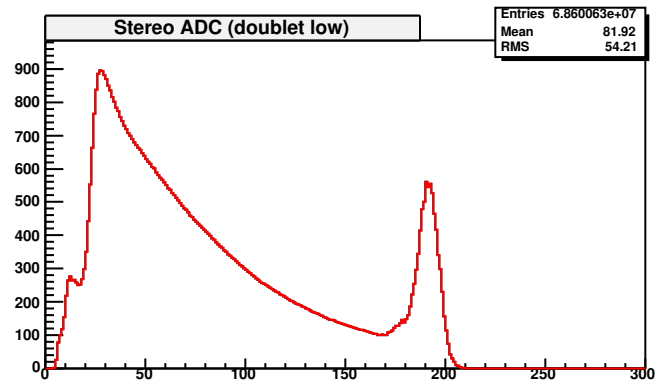


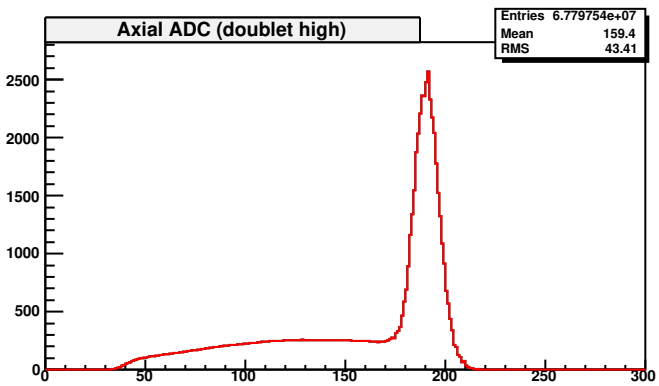


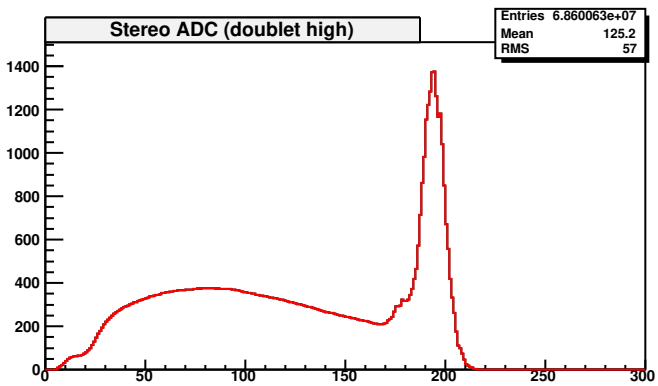




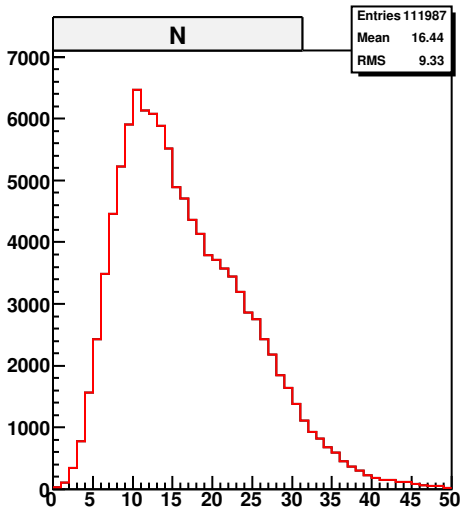


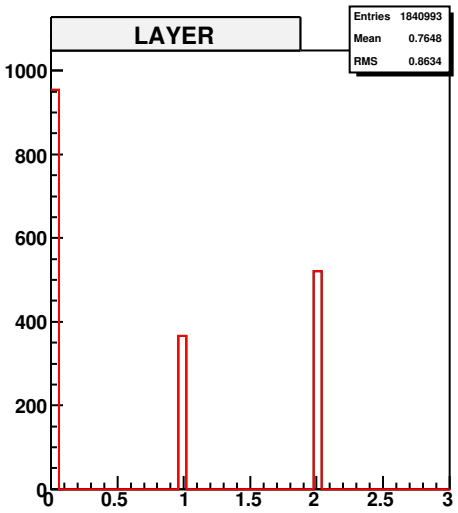


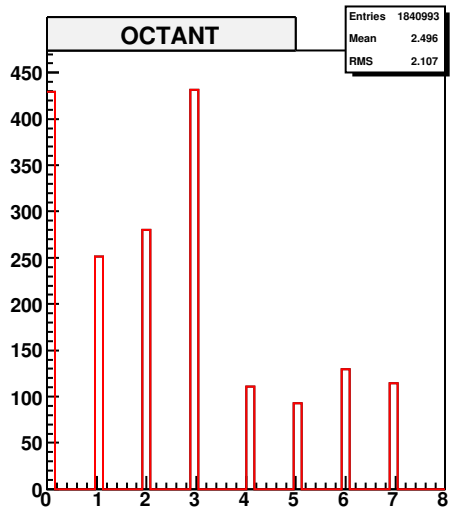


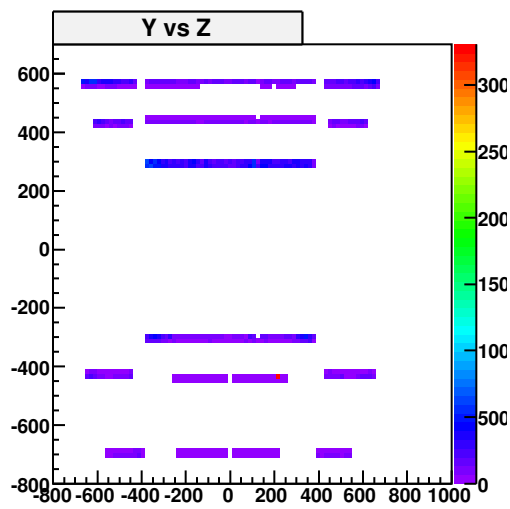


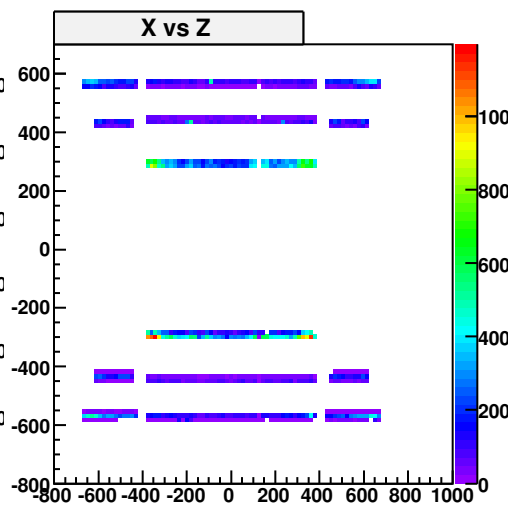
CFT ADC Summary (All Clusters)

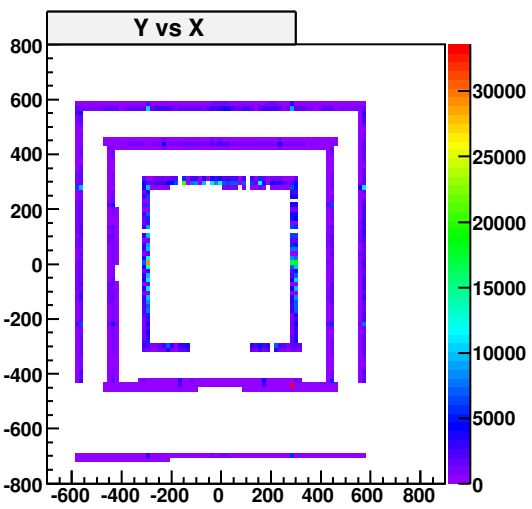

N
Entries 111987
Mean 16.44
RMS 9.33

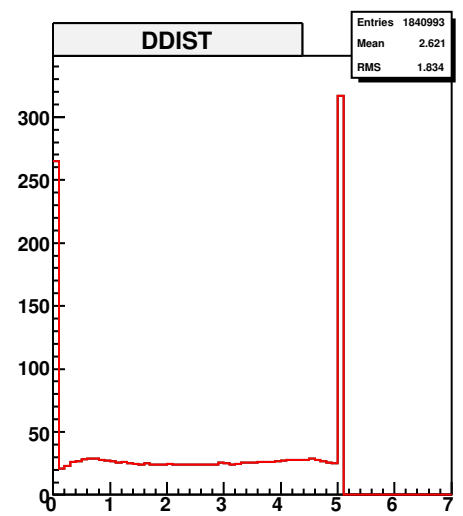

LAYER
Entries 1840993
Mean 0.7648
RMS 0.8634

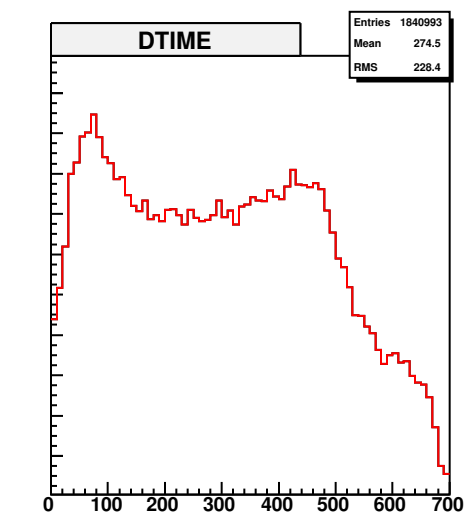

OCTANT
Entries 1840993
Mean 2.496
RMS 2.107


Y vs Z

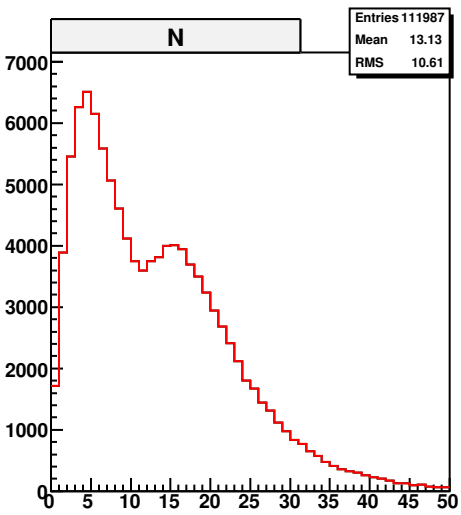

X vs Z

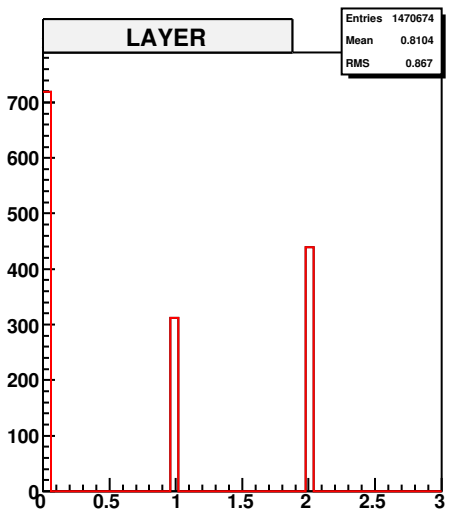

Y vs X

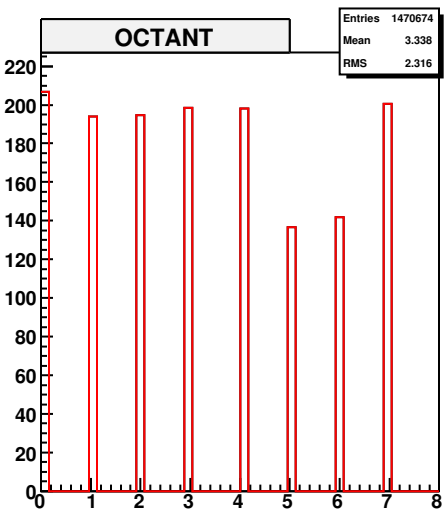

DDIST
Entries 1840993
Mean 2.621
RMS 1.834

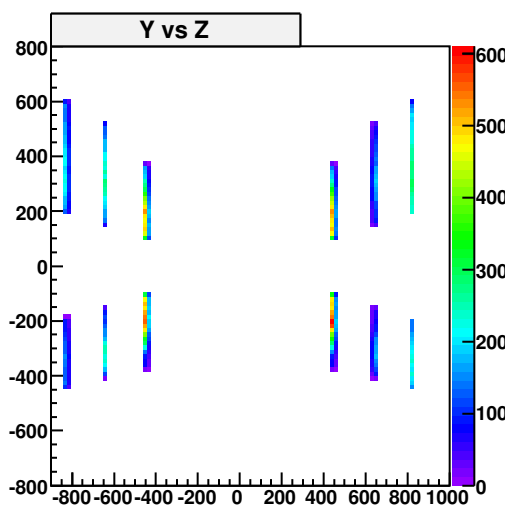

DTIME
Entries 1840993
Mean 274.5
RMS 228.4

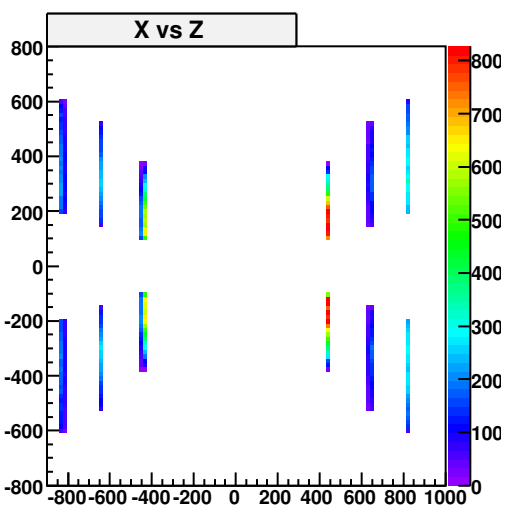
MuonPDT (All)

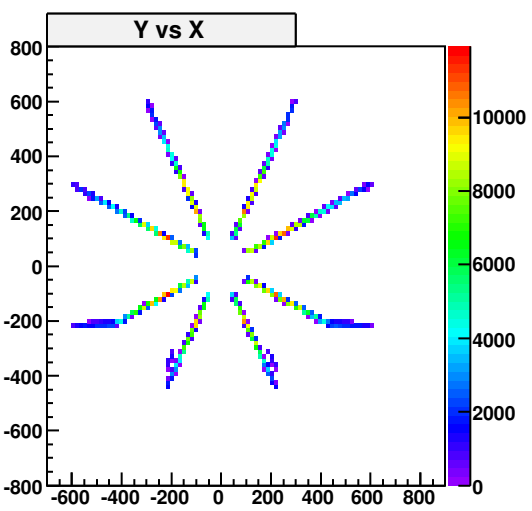

N
Entries 111987
Mean 13.13
RMS 10.61

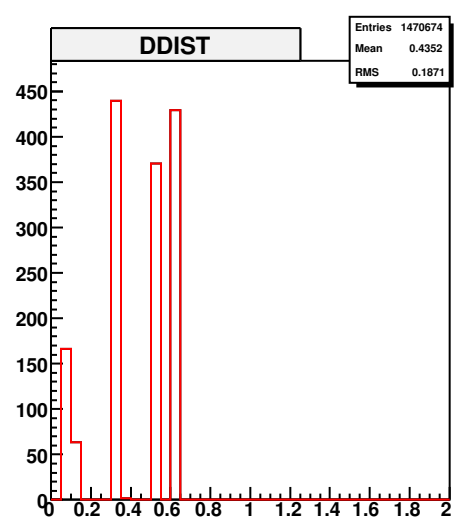

LAYER
Entries 1470674
Mean 0.8104
RMS 0.867

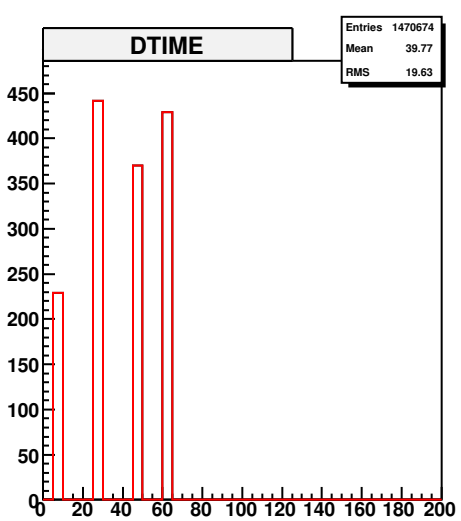

OCTANT
Entries 1470674
Mean 3.338
RMS 2.316


Y vs Z

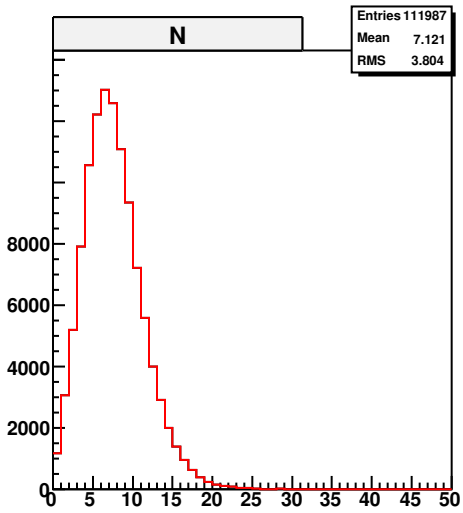

X vs Z


Y vs X


DDIST
Entries 1470674
Mean 0.4352
RMS 0.1871


DTIME
Entries 1470674
Mean 39.77
RMS 19.63

MuonMDT (All)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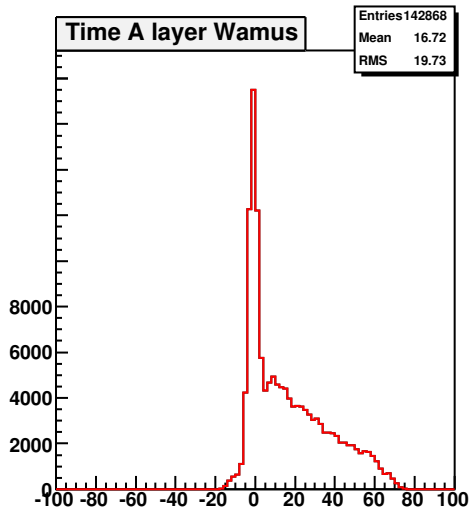
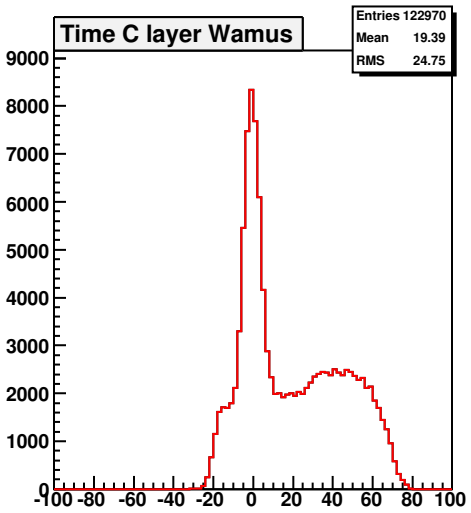
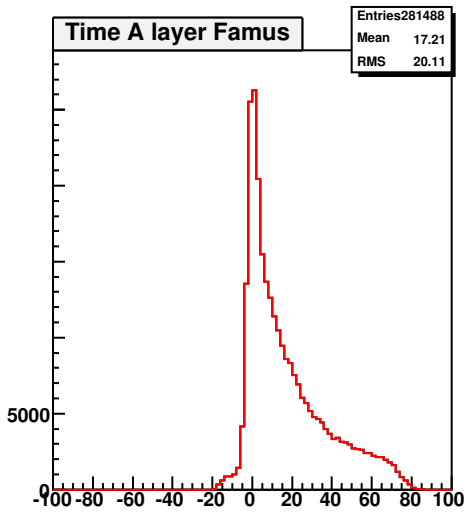
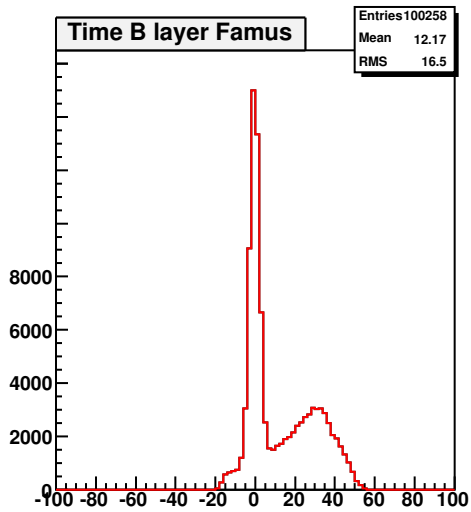
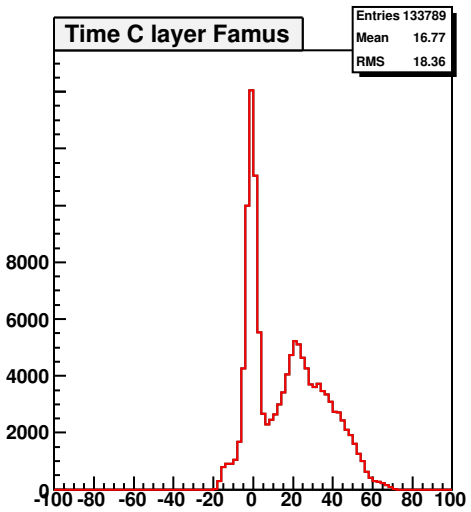
Entries 111987
Mean 7.121
RMS 3.804

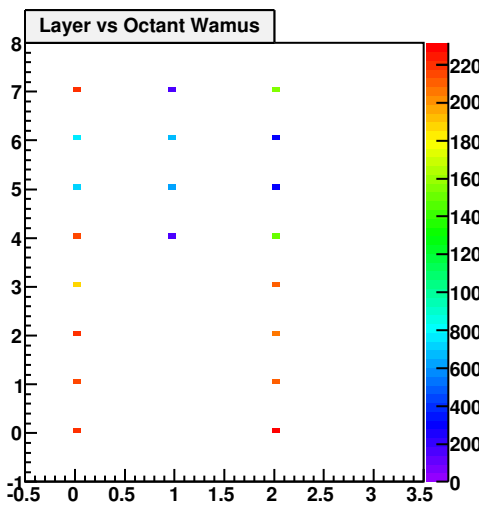

Time A layer Wamus
Entries 142868
Mean 16.72
RMS 19.73

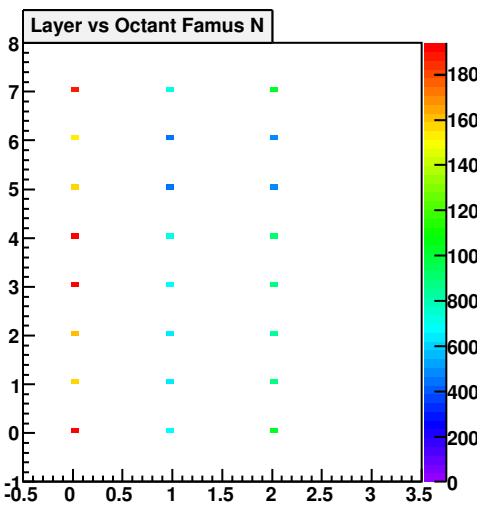

Time C layer Wamus
Entries 122970
Mean 19.39
RMS 24.75

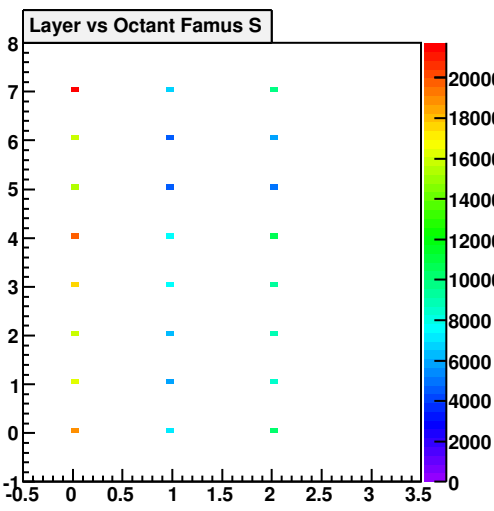

Time A layer Famus
Entries 281488
Mean 17.21
RMS 20.11


Time B layer Famus
Entries 100258
Mean 12.17
RMS 16.5

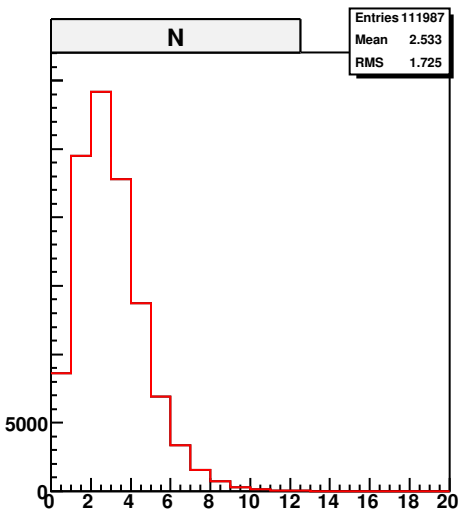

Time C layer Famus
Entries 133789
Mean 16.77
RMS 18.36

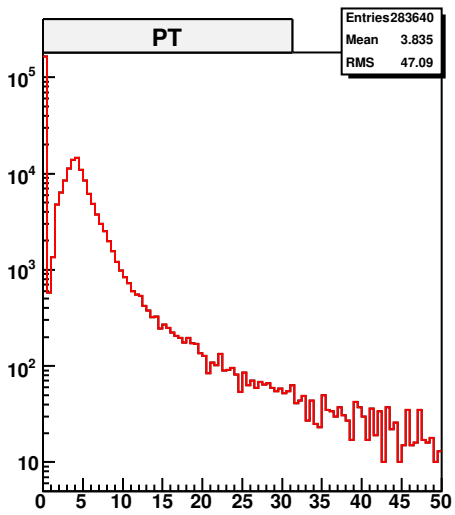

Layer vs Octant Wamus

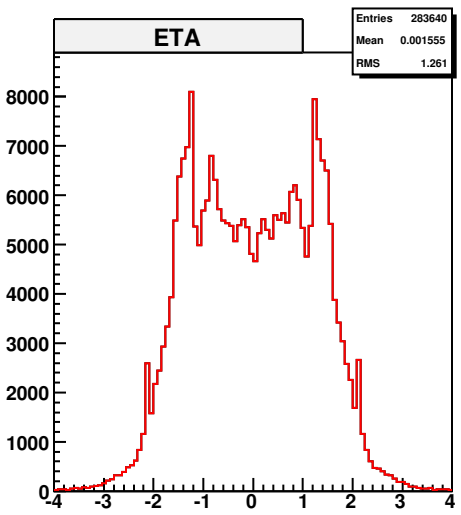

Layer vs Octant Famus N

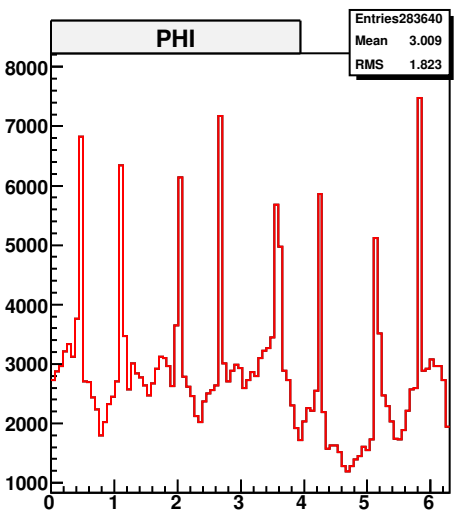

Layer vs Octant Famus S

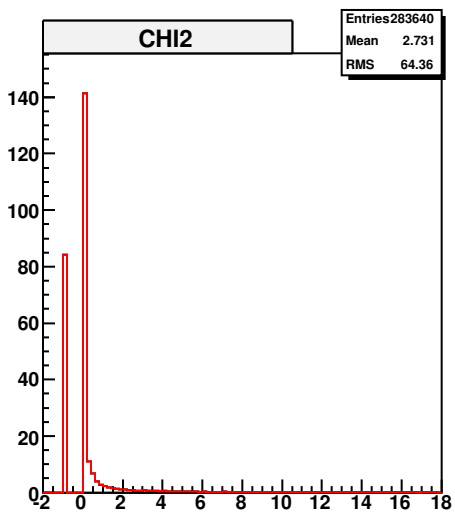
MuonMSC (All)

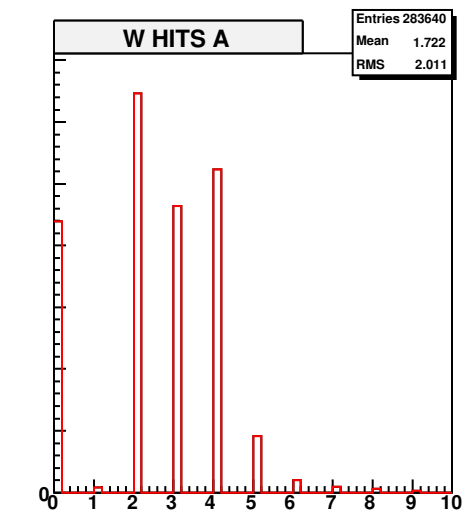


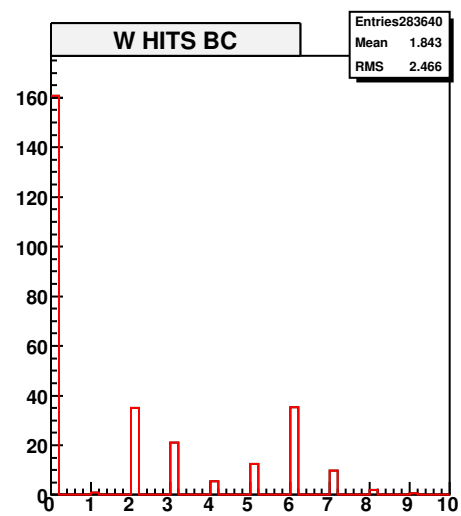


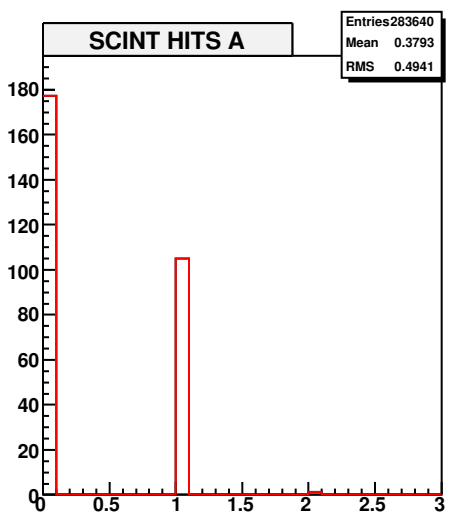


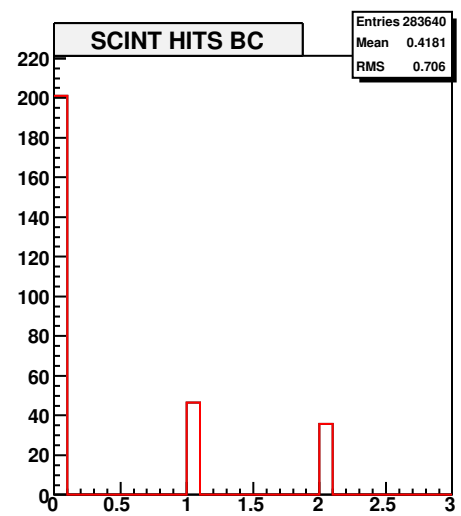




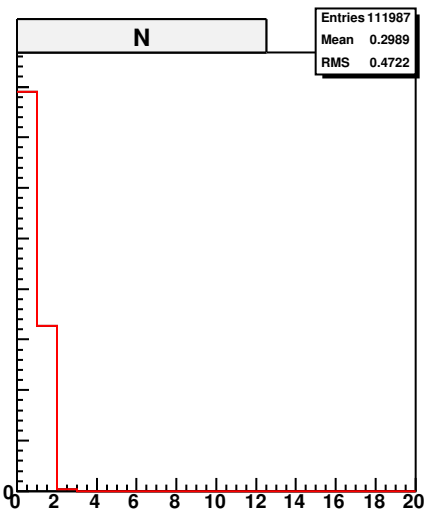


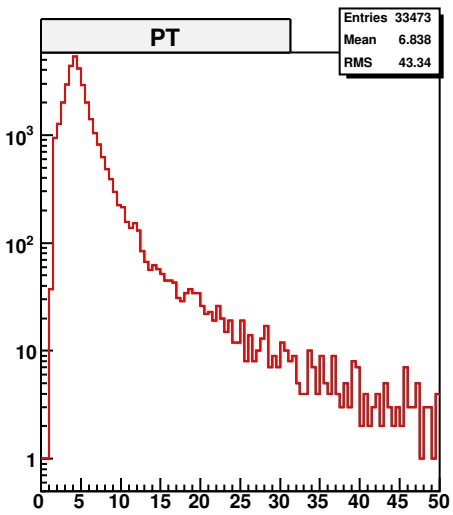


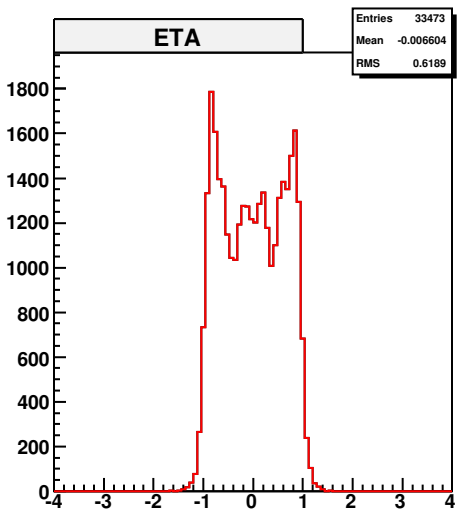


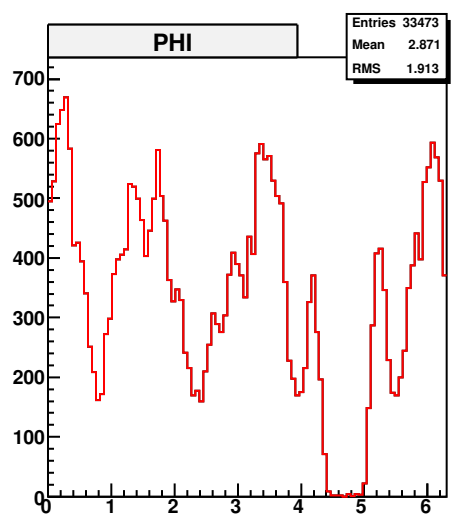


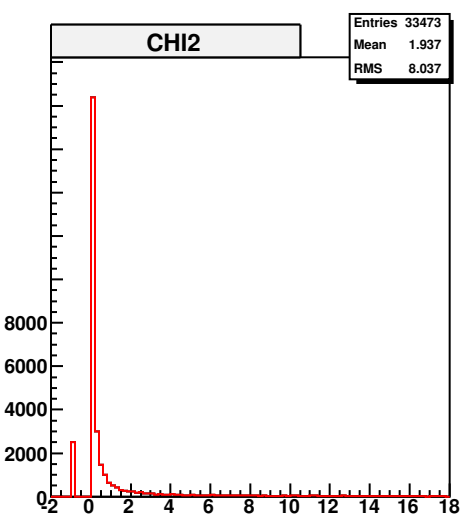
Muon Local Tracks (All)

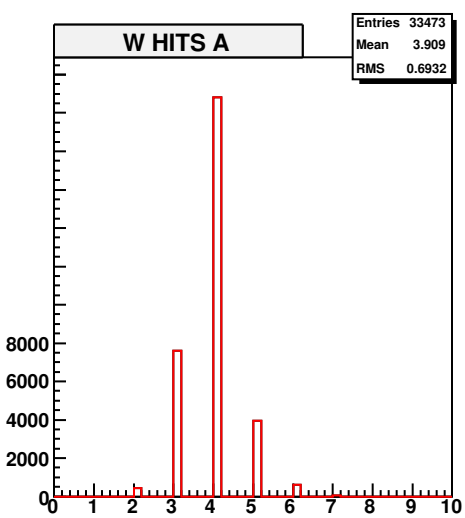


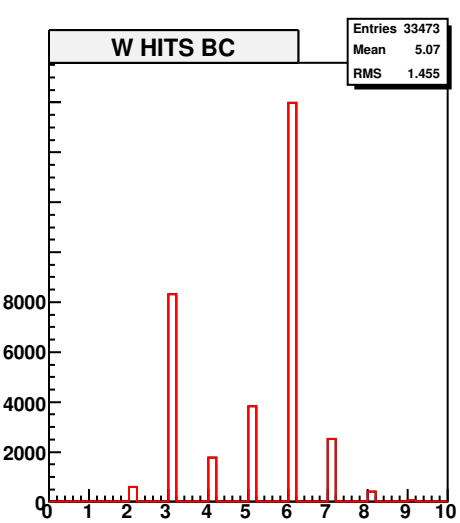


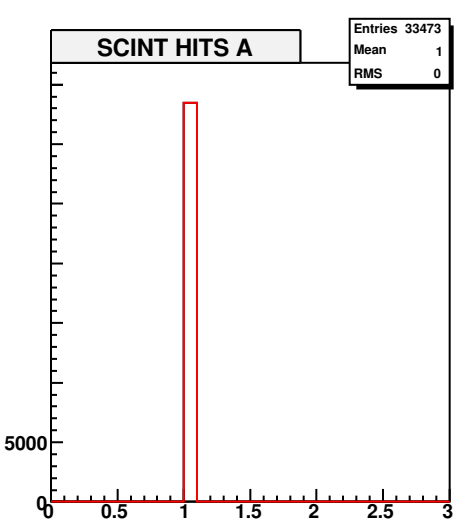


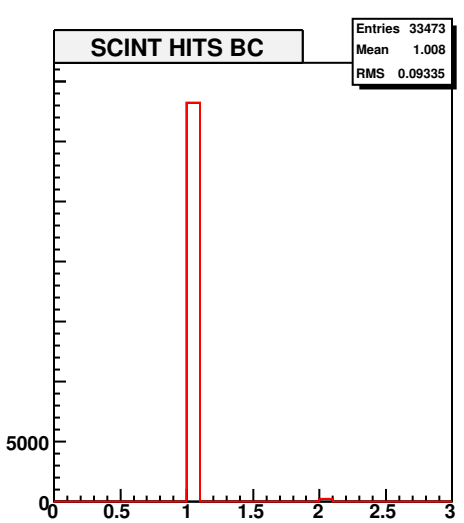




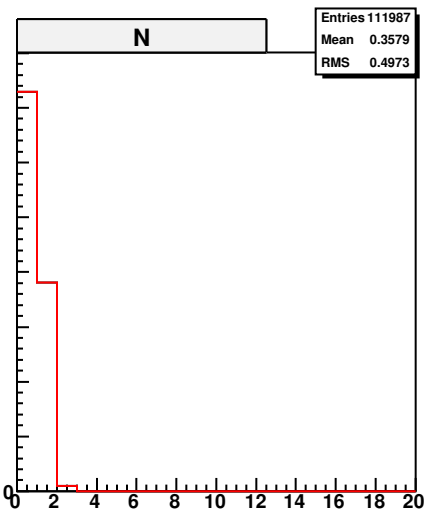


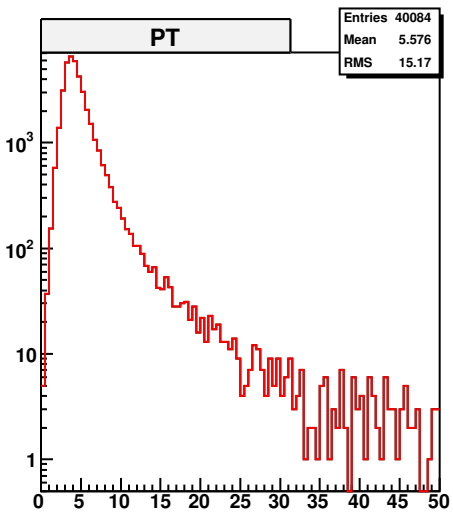


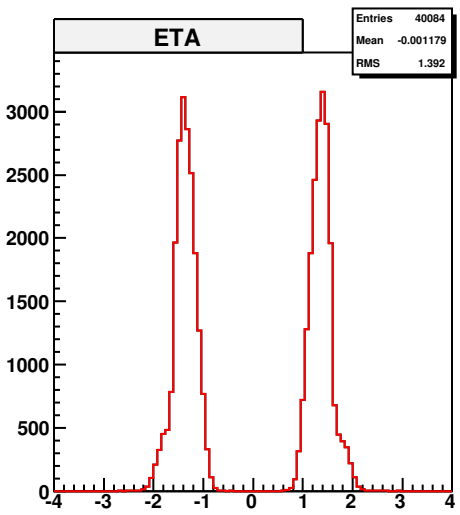


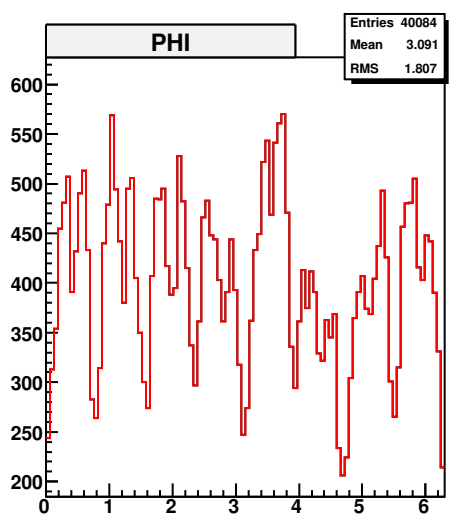


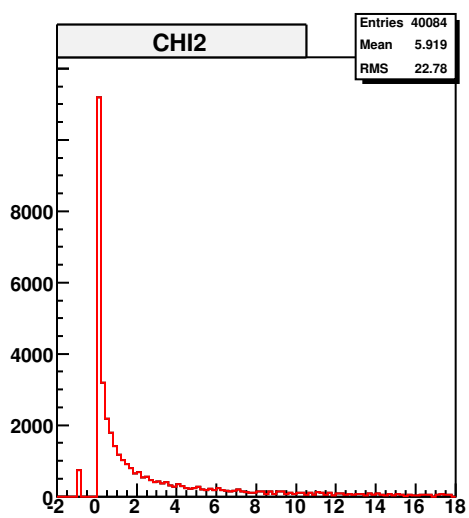
Muon Local Tracks (MediumWamus)

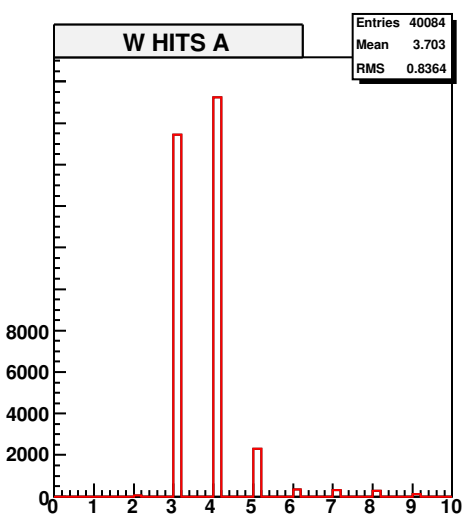


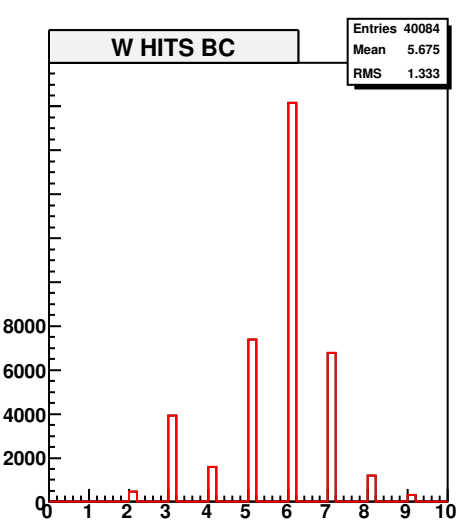


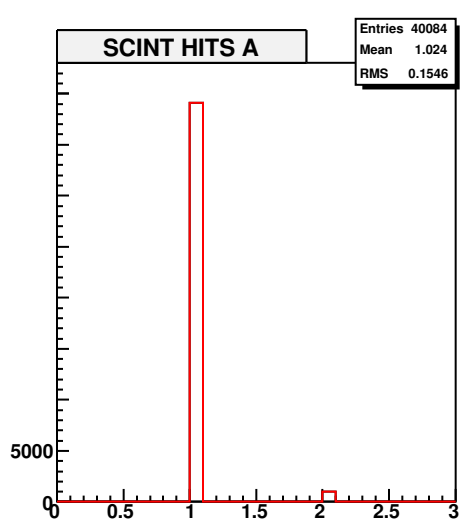


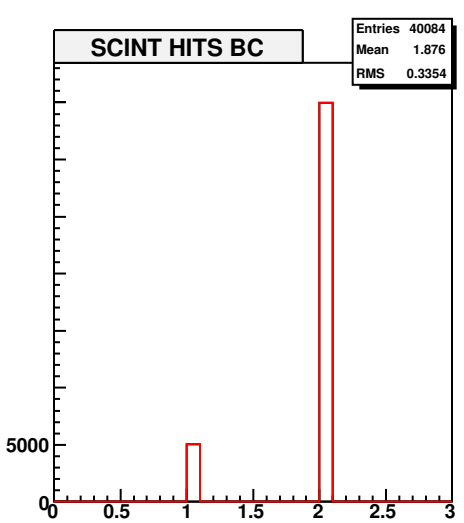




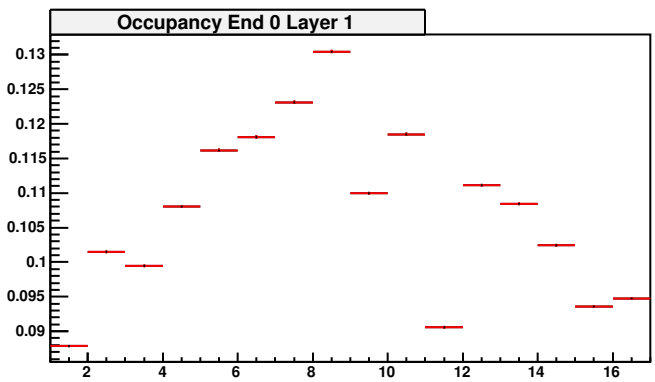


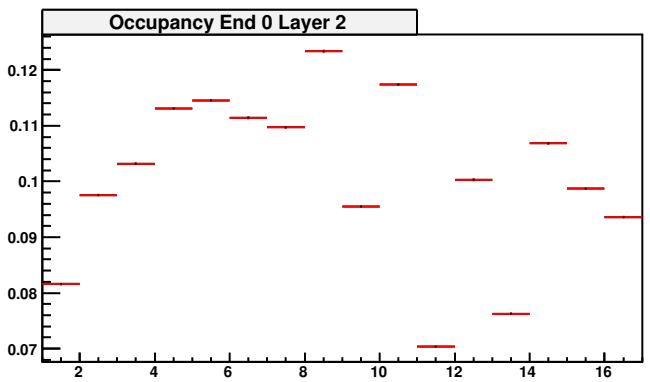


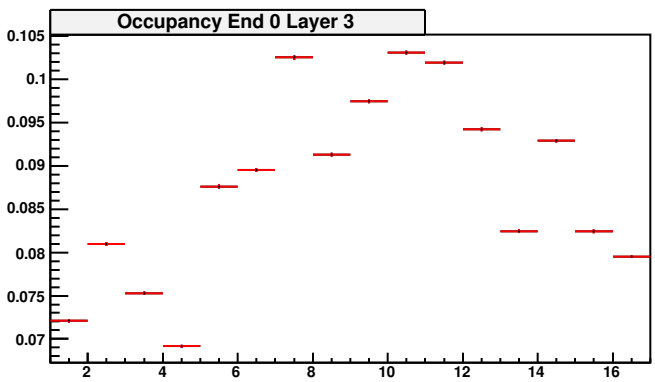


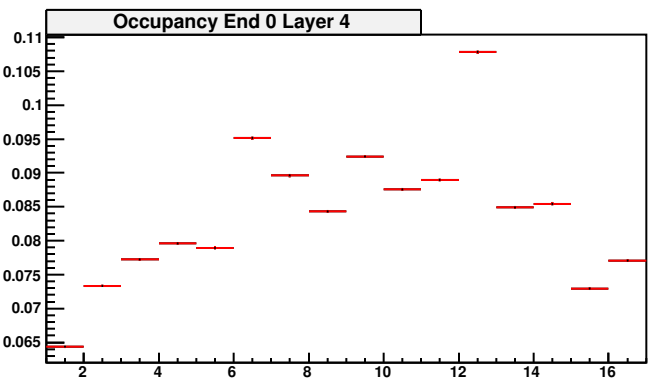


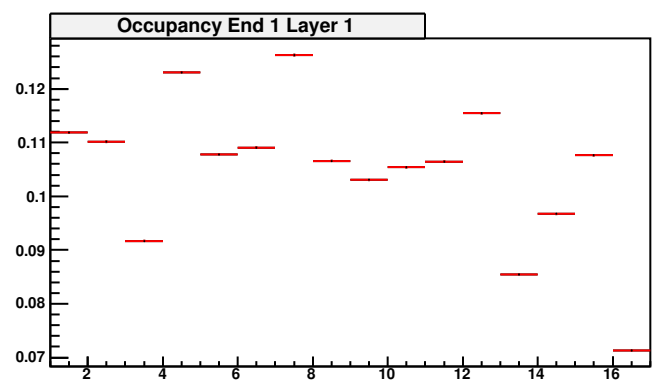
Muon Local Tracks (MediumFamus)

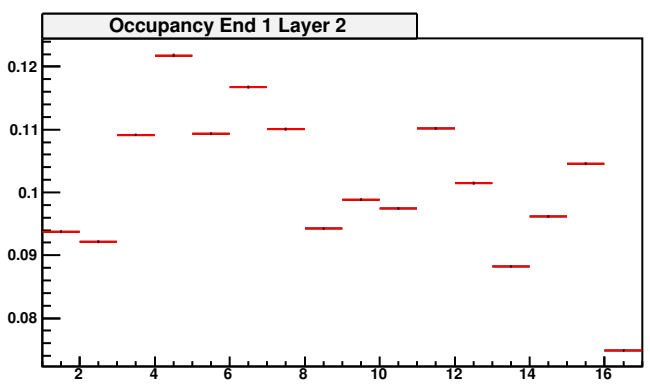


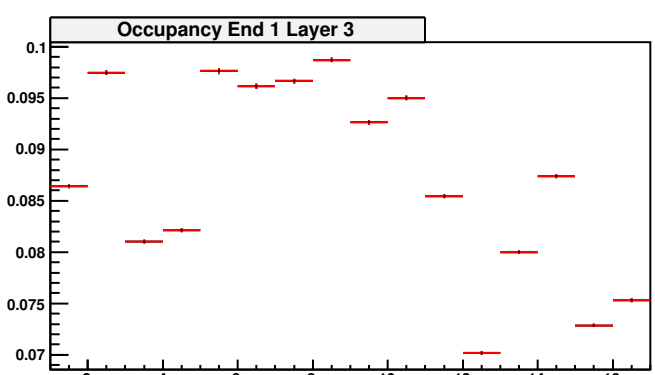


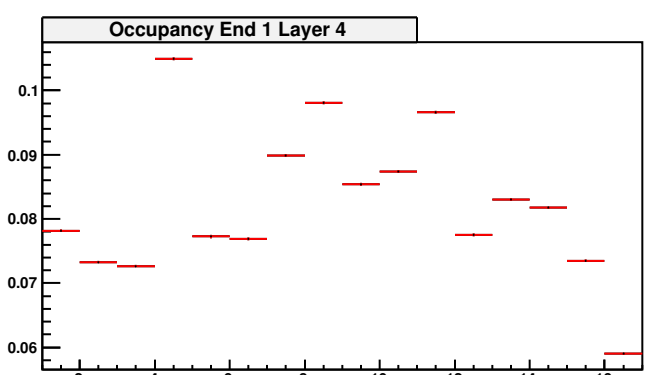




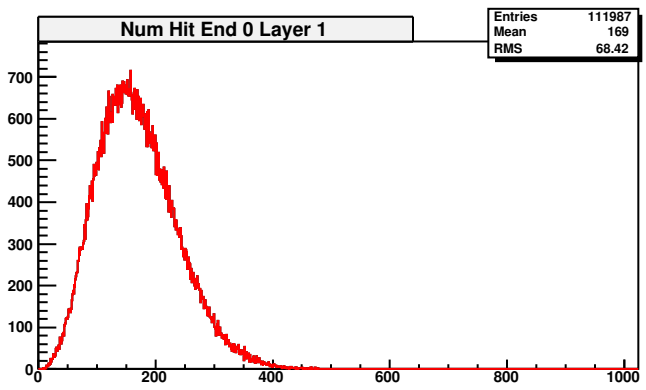


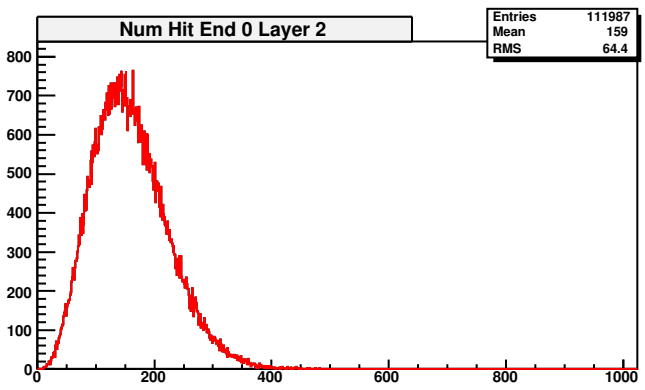


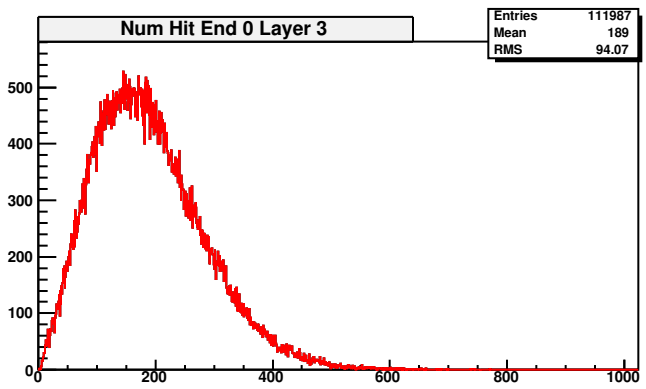


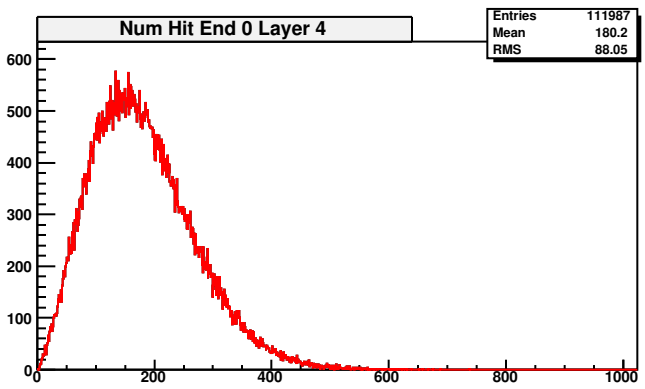


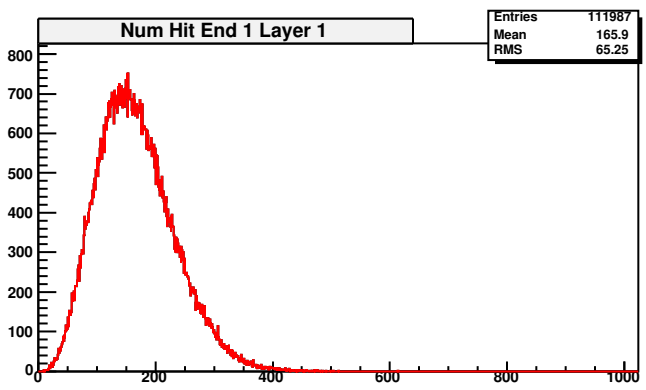
FPS Hit Occupancy (All)

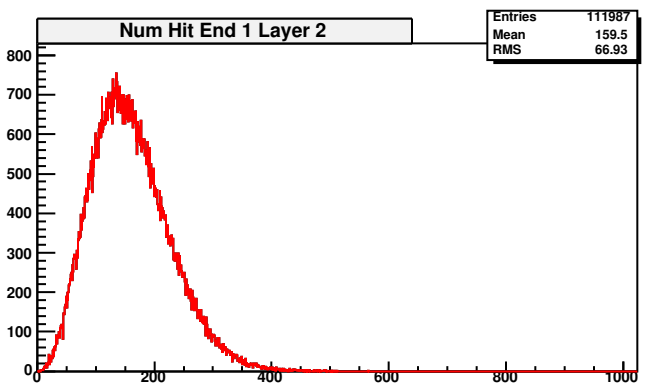


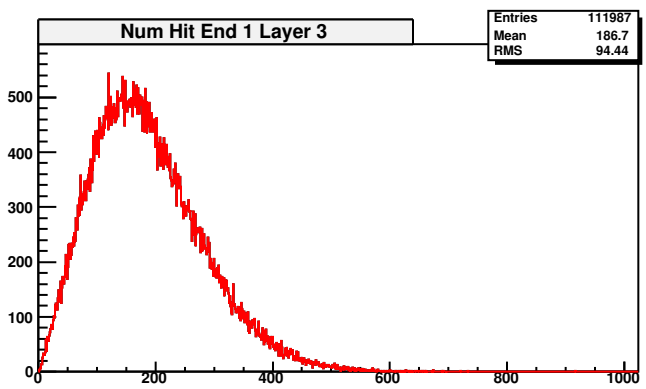


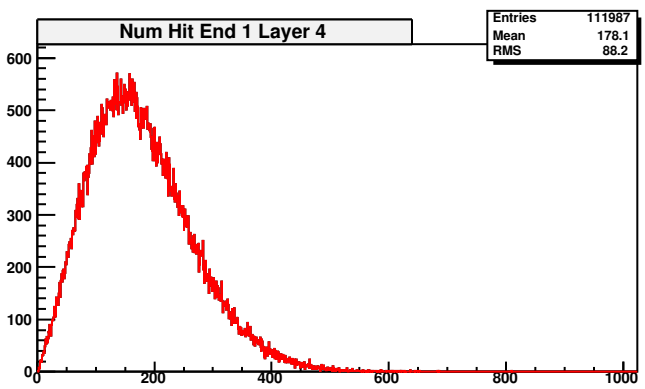




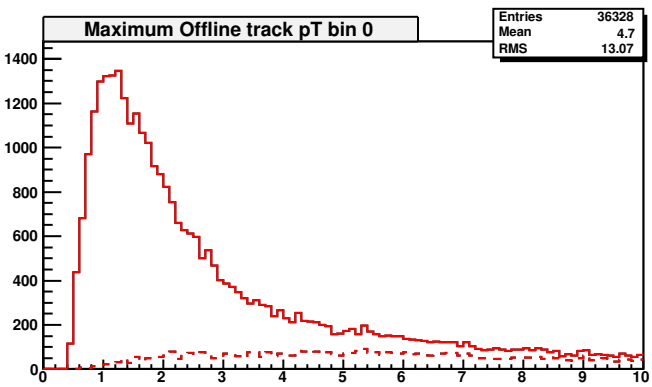


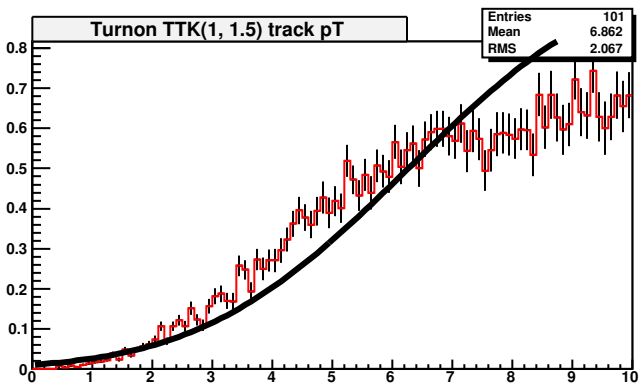


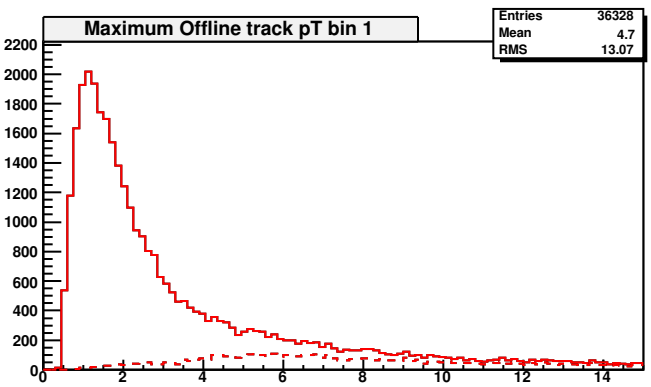


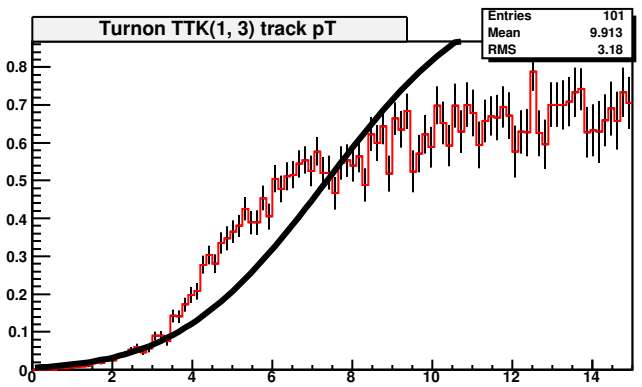


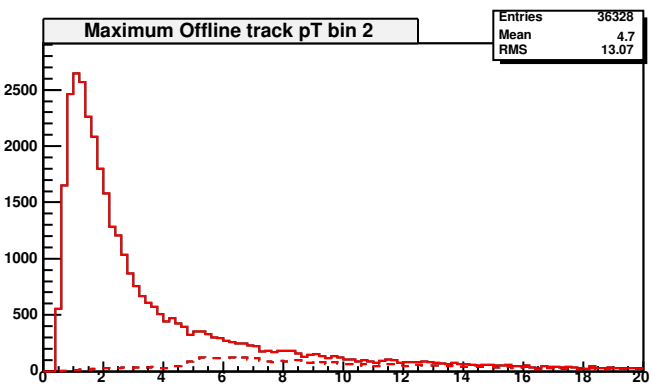
FPS Number of Hits (All)

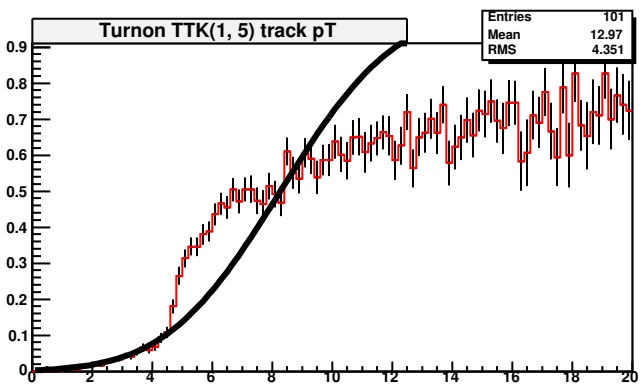


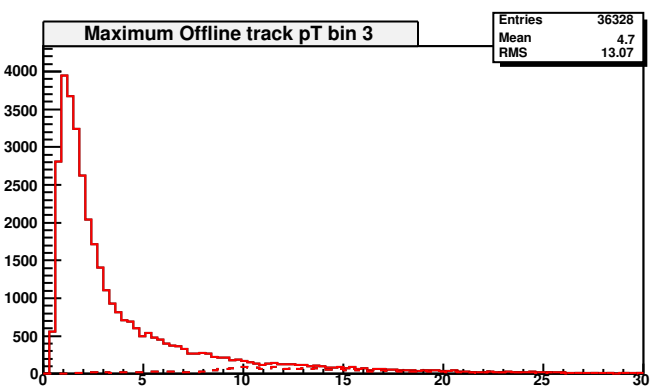


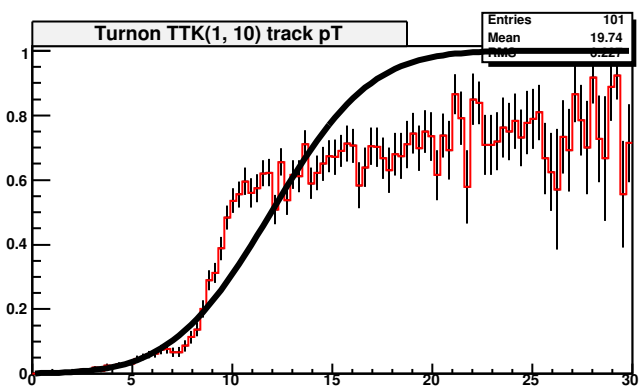




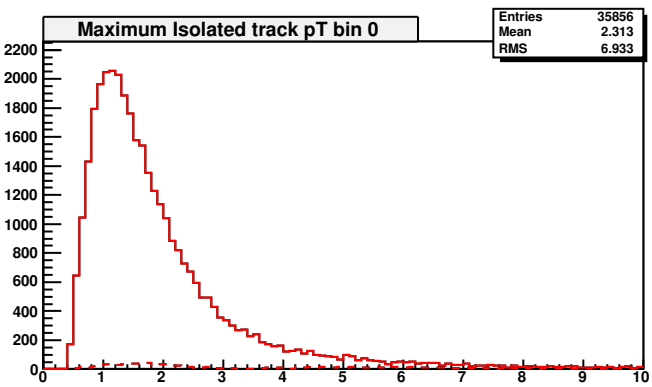


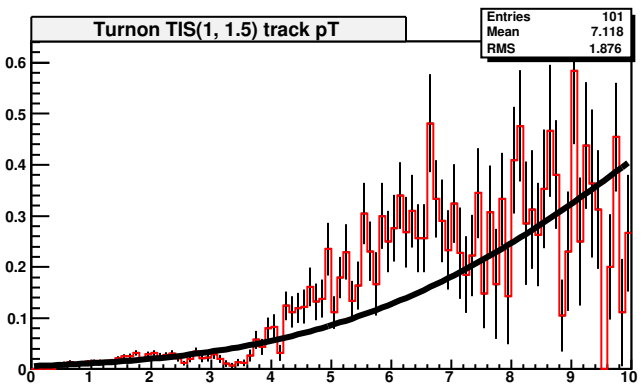


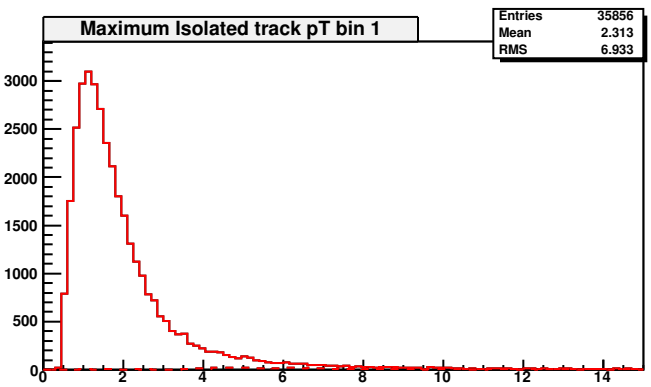


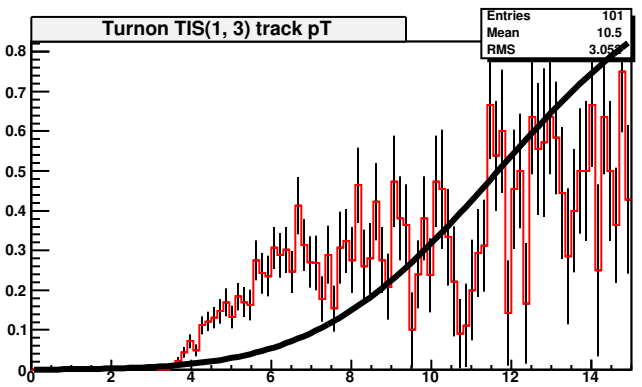


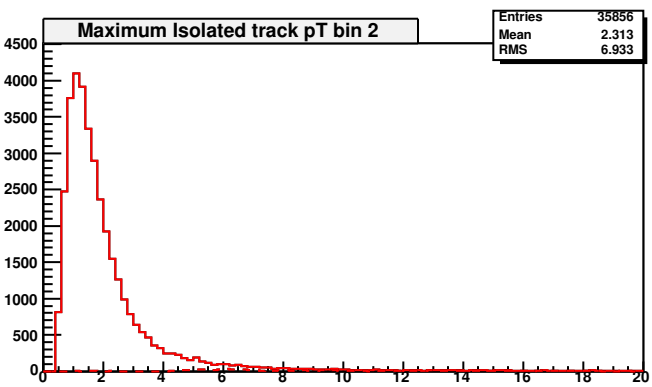
TTK Turnon curves (L1CTT All)

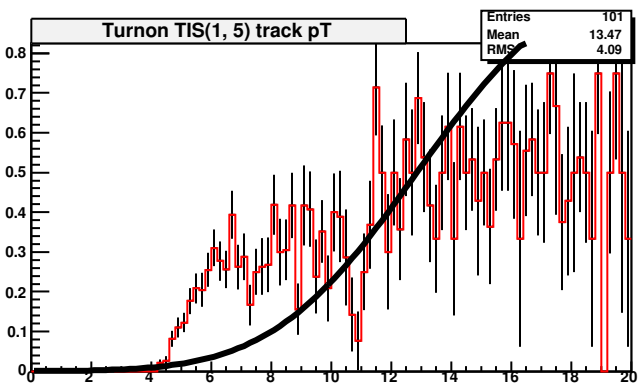


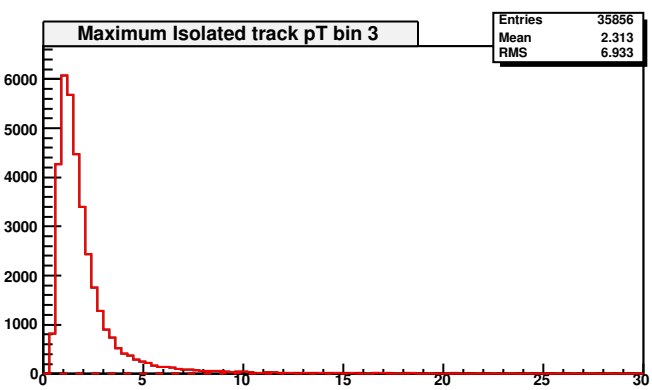


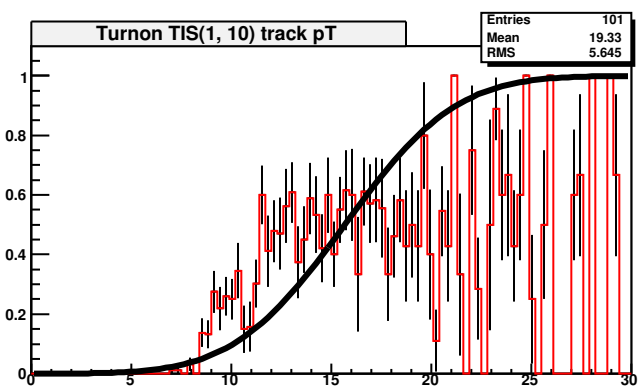




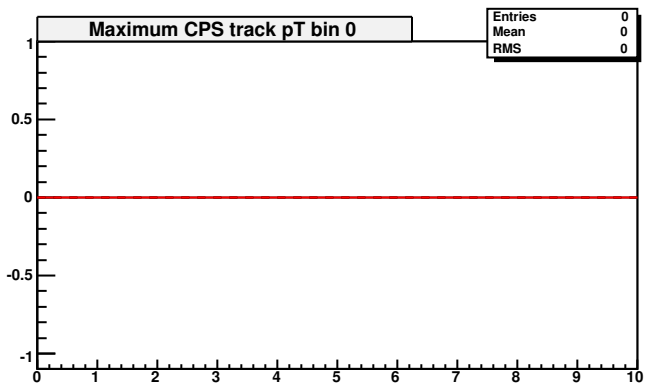


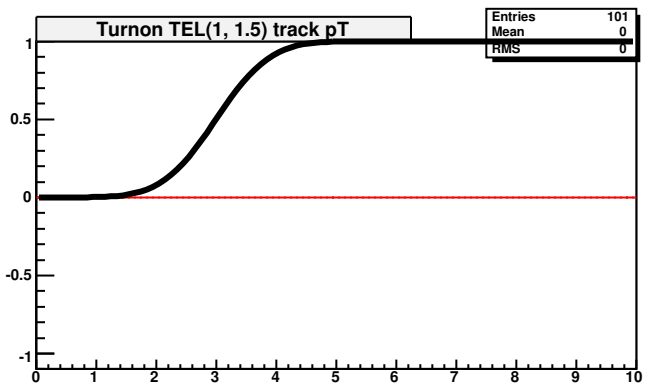


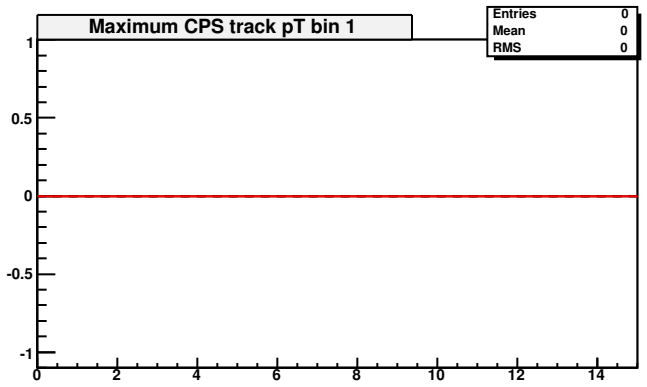


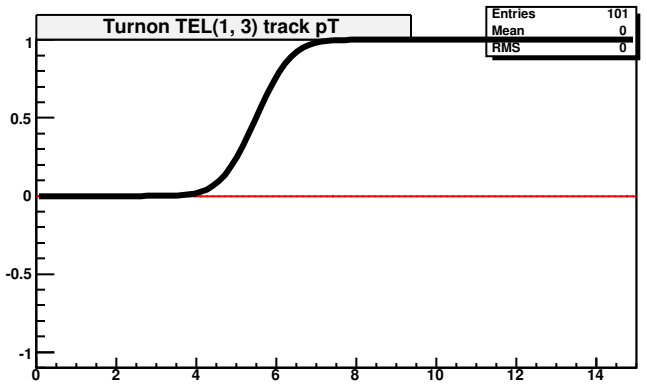


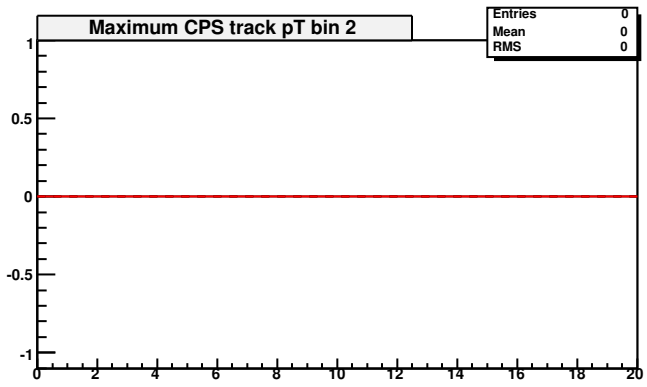
TIS Turnon curves (L1CTT All)

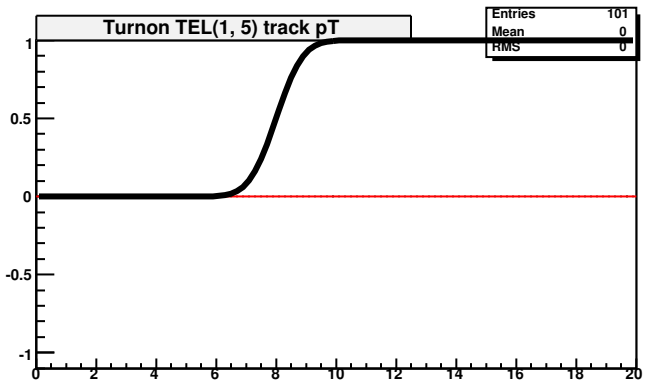


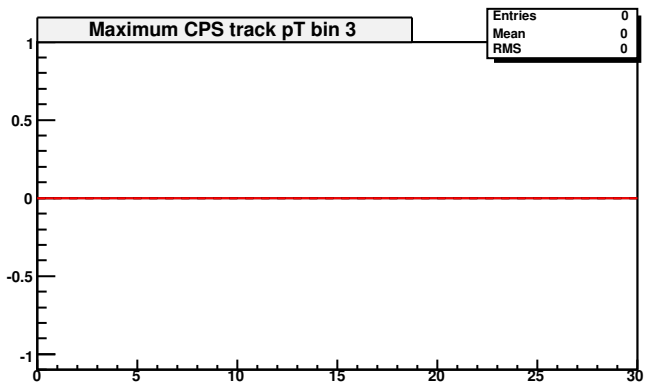


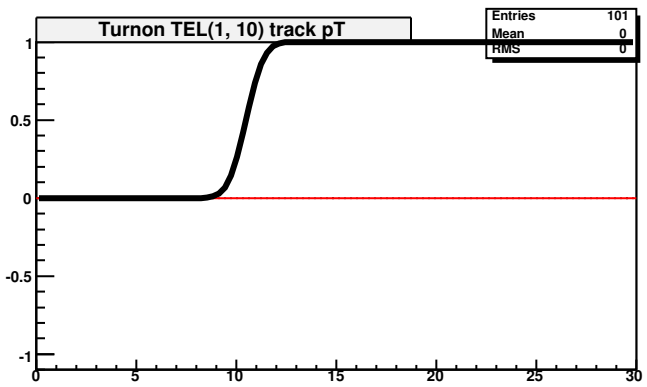




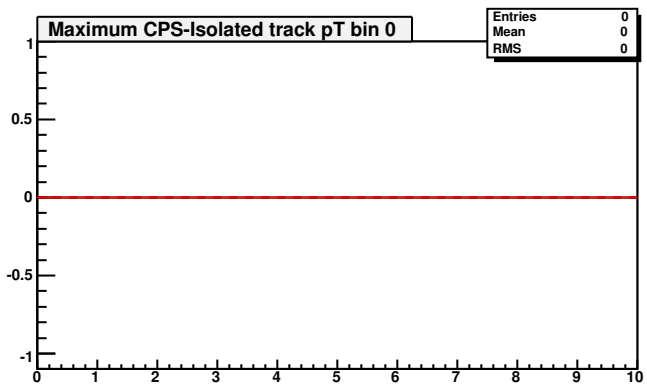


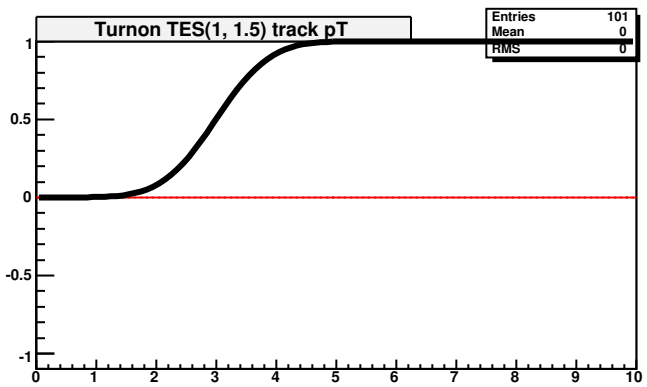


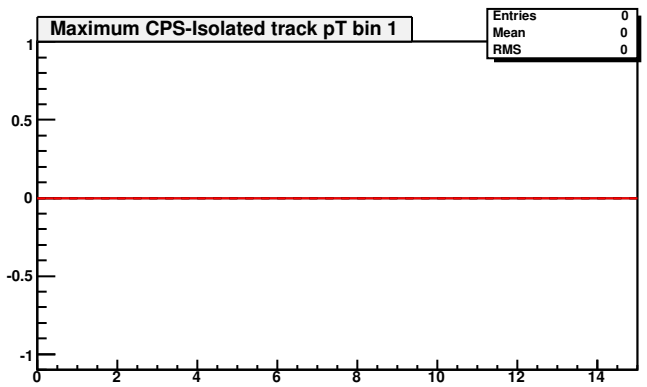


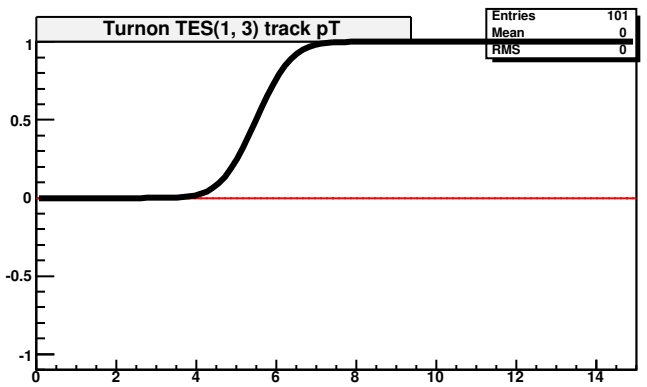


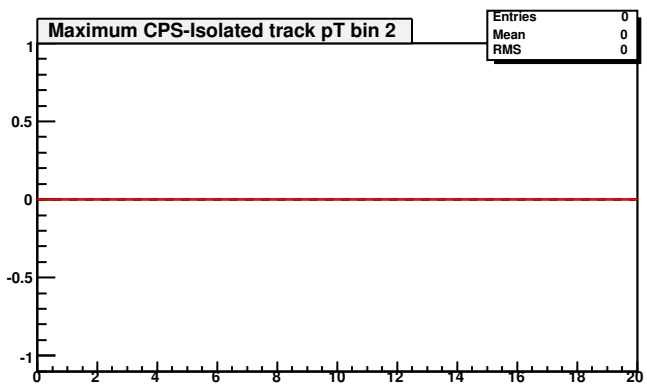
TEL Turnon curves (L1CTT All)

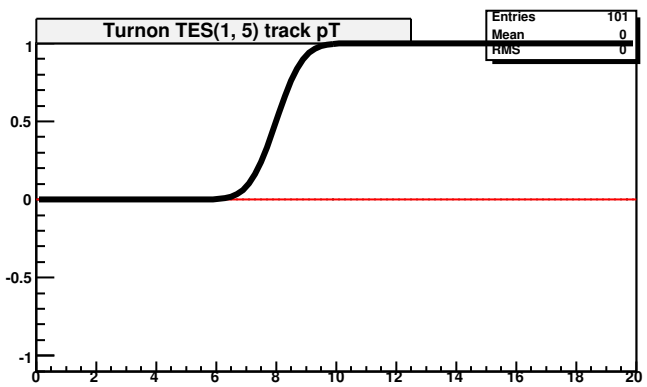


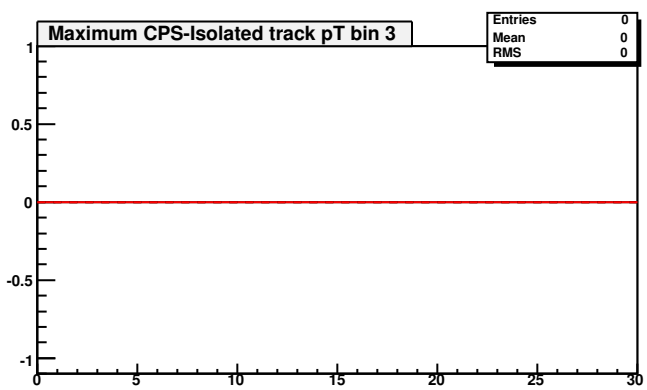


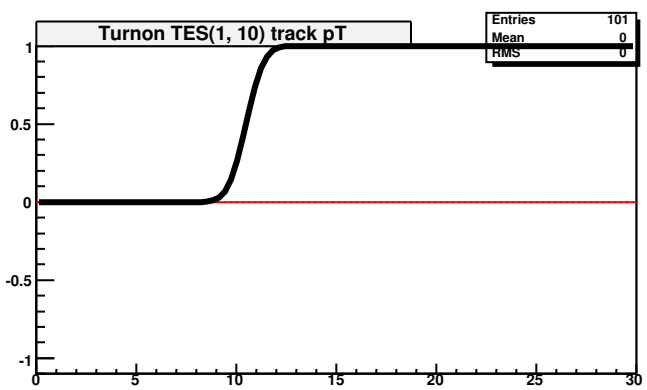




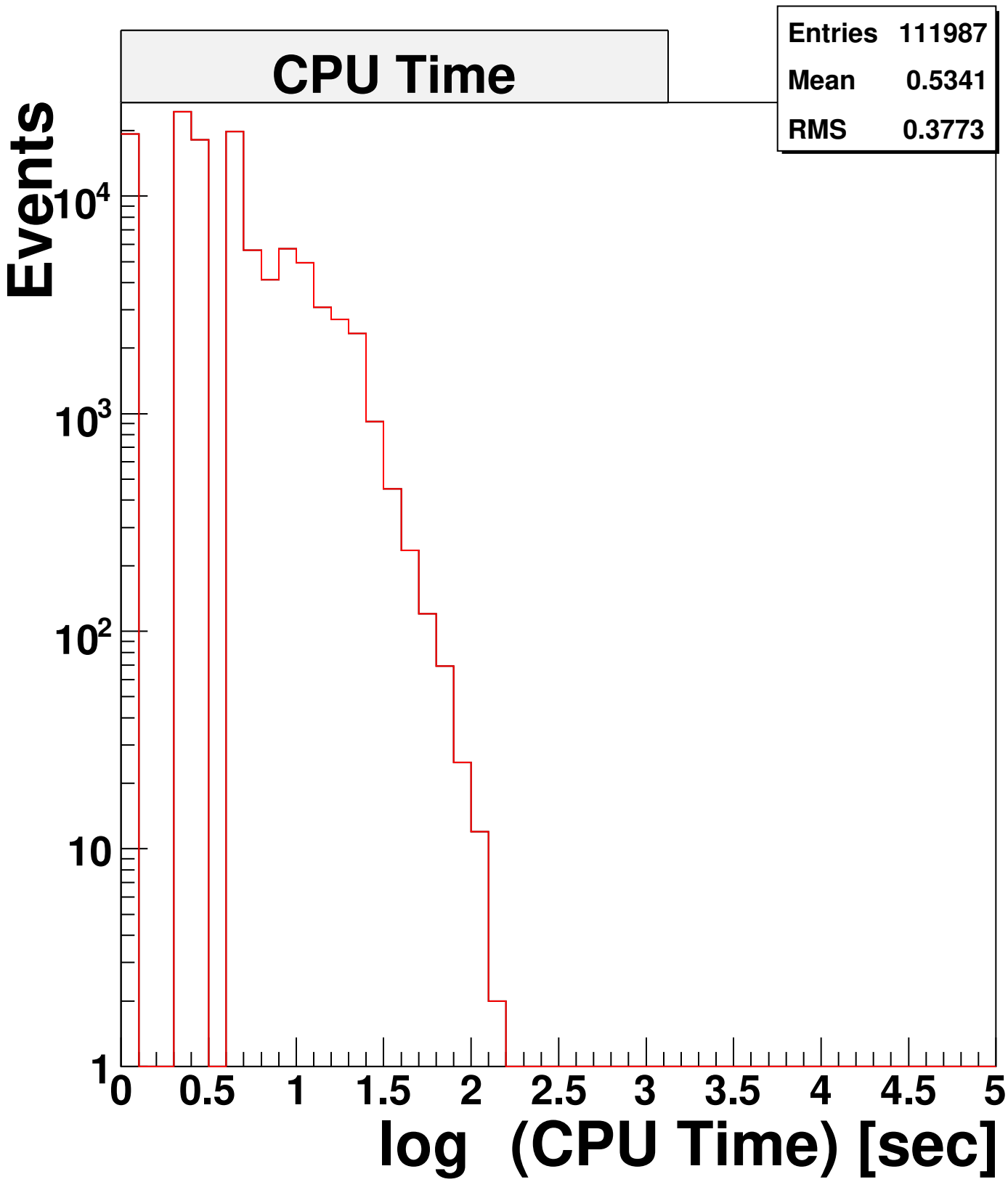








TES Turnon curves (L1CTT All)



RECO Performance (Timing)