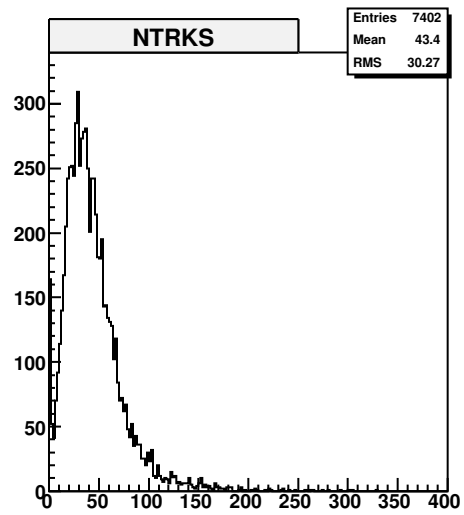
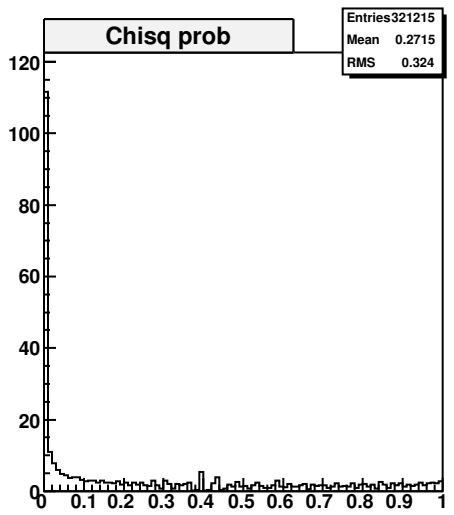
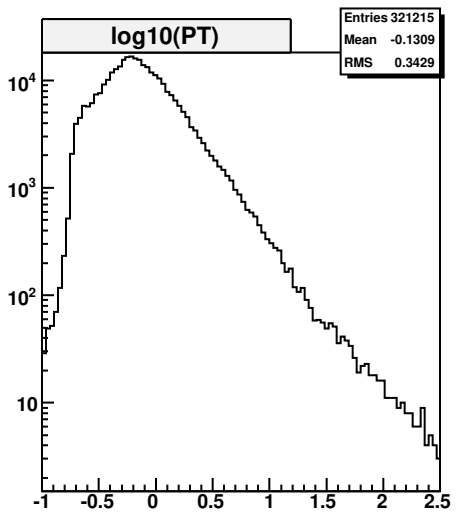
Page 3: Tracks (All)
Page 4: Tracks Hits (All)
Page 5: Tracks (Tight)
Page 6: Tracking (Efficiency - Isolated)
Page 7: Tracking (Efficiency - InJets)
Page 8: Vertices (Primary - all candidates)
Page 9: Vertices (Primary - best)
Page 10: V0 (All)
Page 11: V0 (B mesons)
Page 12: Electrons (SCONE All)
Page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

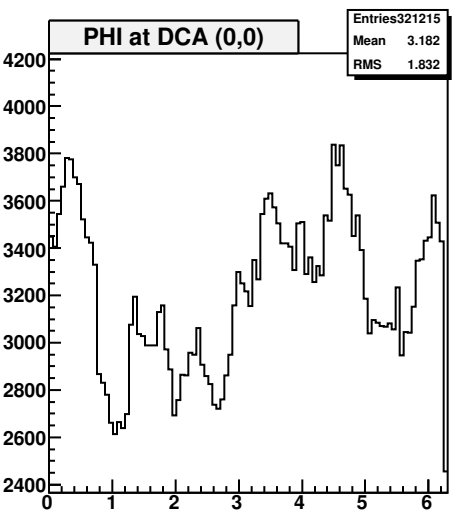
RecoCert_Plots (Index)

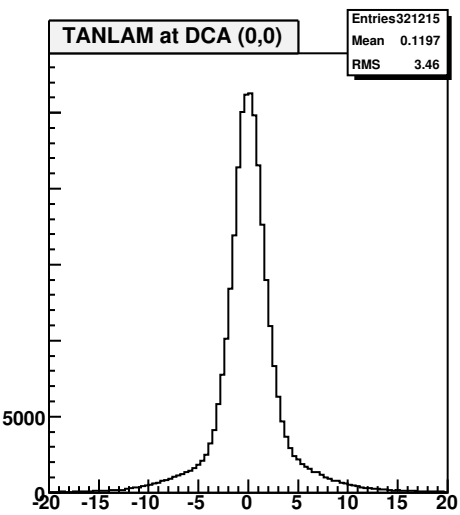
Page 54: MuonMSC (All)
Page 55: Muon Local Tracks (All)
Page 56: Muon Local Tracks (MediumWamus)
Page 57: Muon Local Tracks (MediumFamus)
Page 58: FPS Trigger Sector Occupancy
Page 59: FPS Number of Hits
Page 60: RECO Performance (Timing)

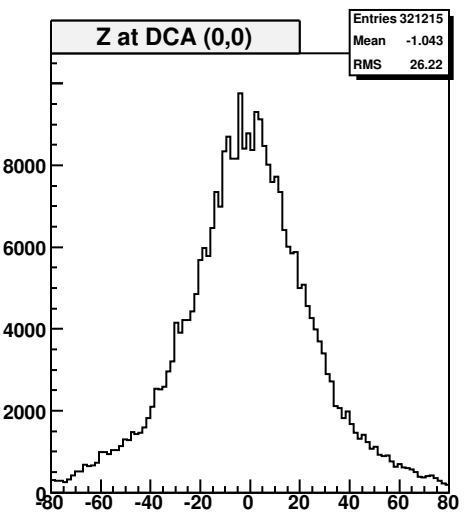

NTRKS
Entries 7402
Mean 43.4
RMS 30.27

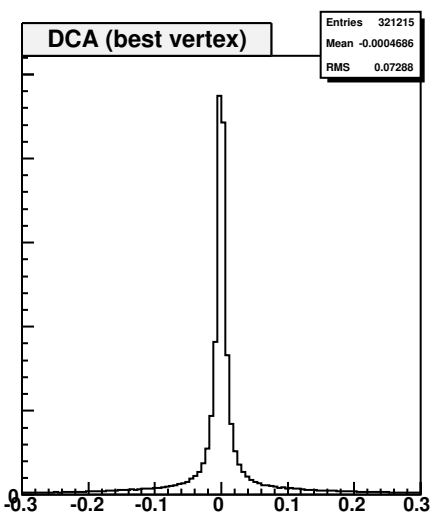

Chisq prob
Entries 321215
Mean 0.2715
RMS 0.324

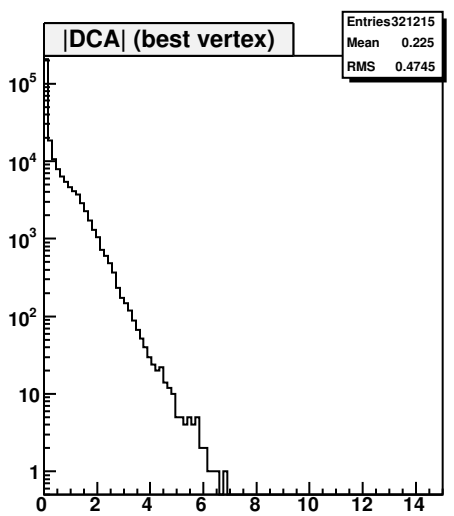

log10(PT)
Entries 321215
Mean -0.1309
RMS 0.3429

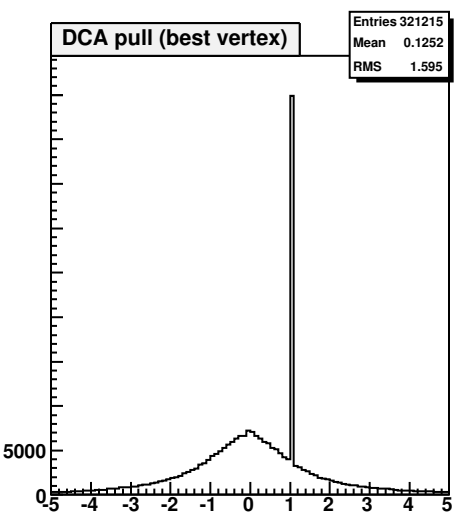

PHI at DCA (0,0)
Entries 321215
Mean 3.182
RMS 1.832


TANLAM at DCA (0,0)
Entries 321215
Mean 0.1197
RMS 3.46

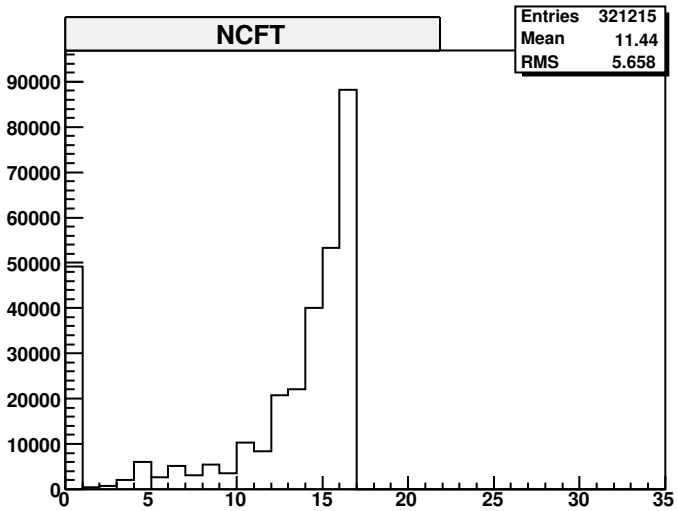

Z at DCA (0,0)
Entries 321215
Mean -1.043
RMS 26.22

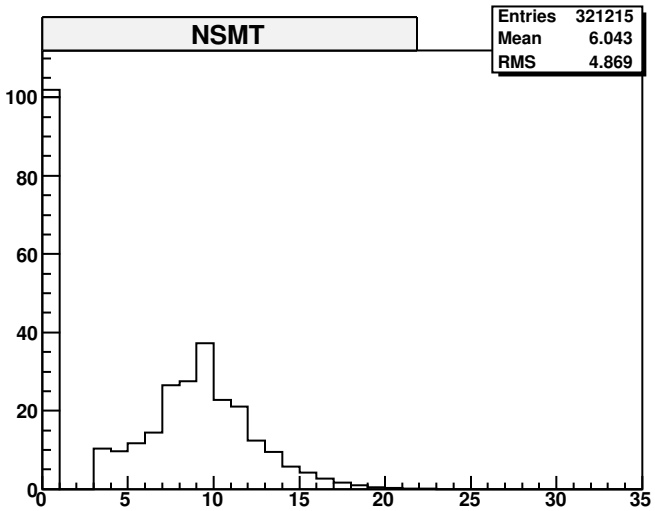

DCA (best vertex)
Entries 321215
Mean -0.0004686
RMS 0.07288

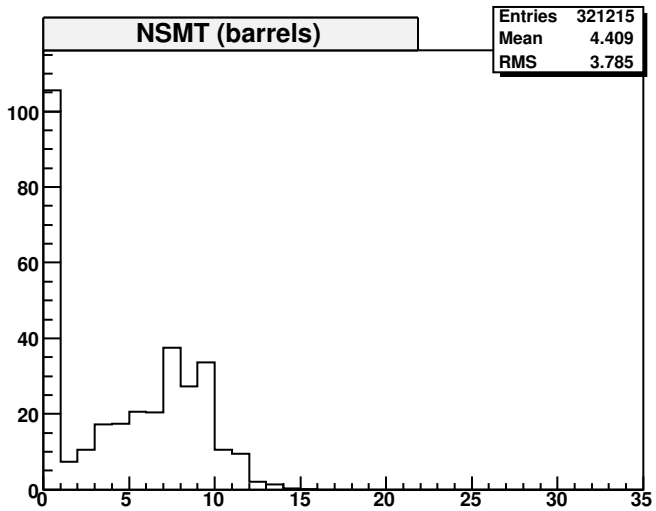

|DCA| (best vertex)
Entries 321215
Mean 0.225
RMS 0.4745

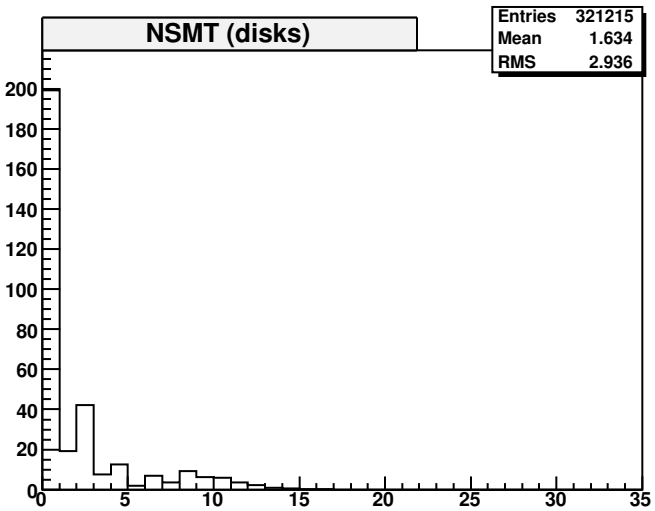

DCA pull (best vertex)
Entries 321215
Mean 0.1252
RMS 1.595

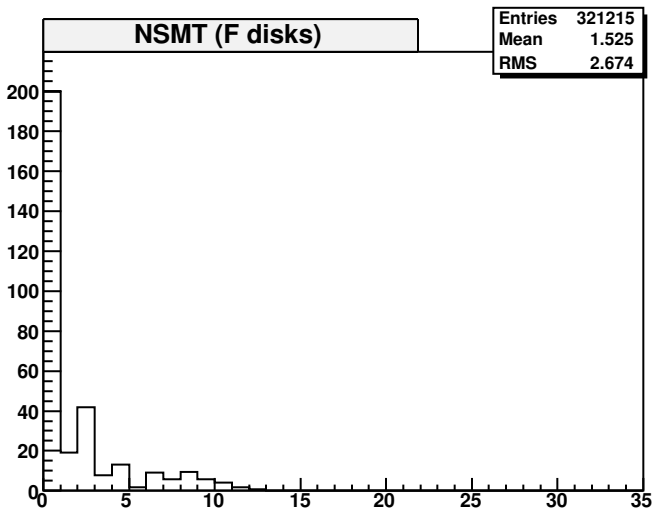
Tracks (All)

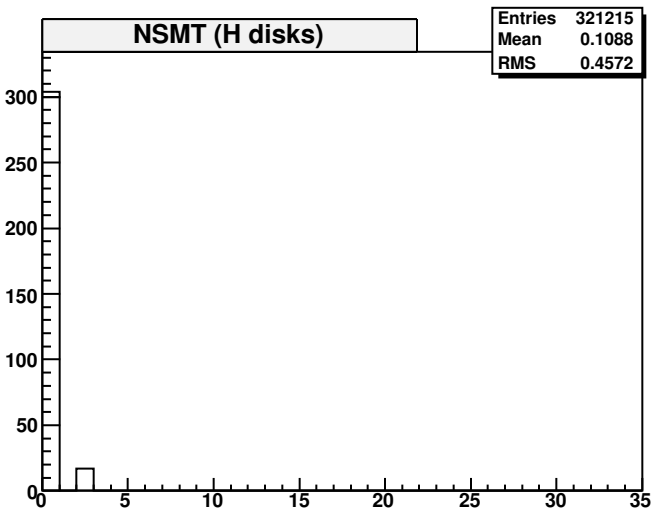




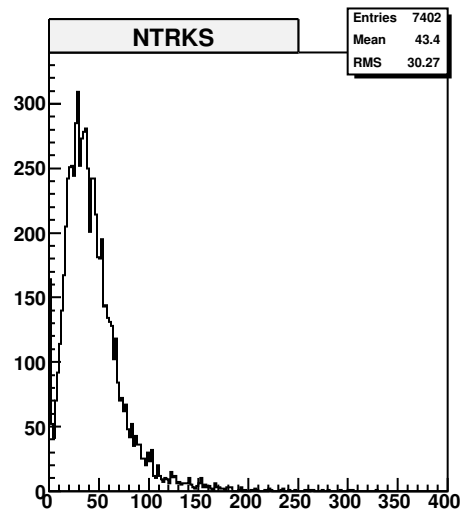


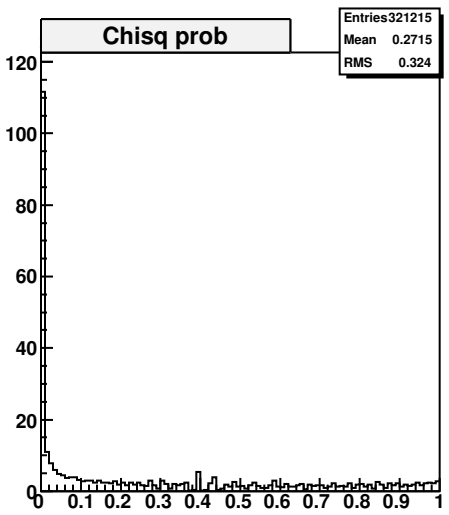


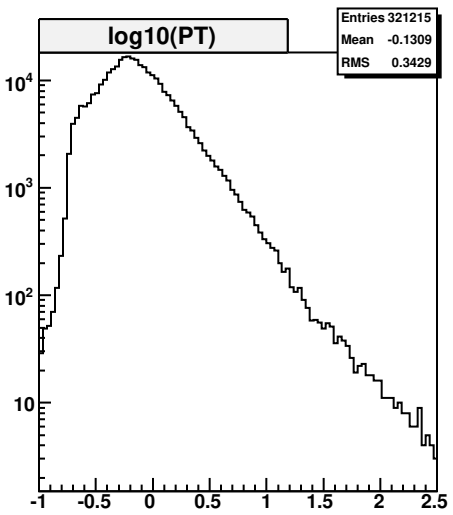


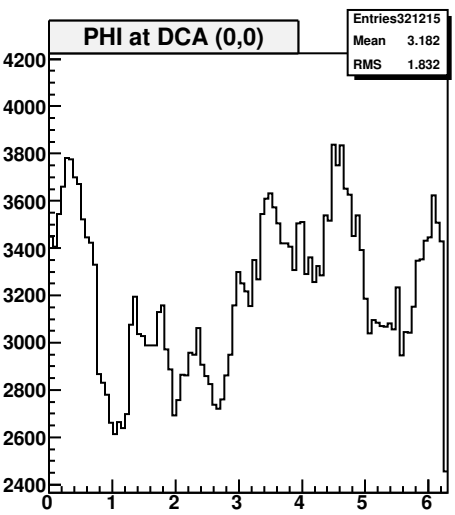


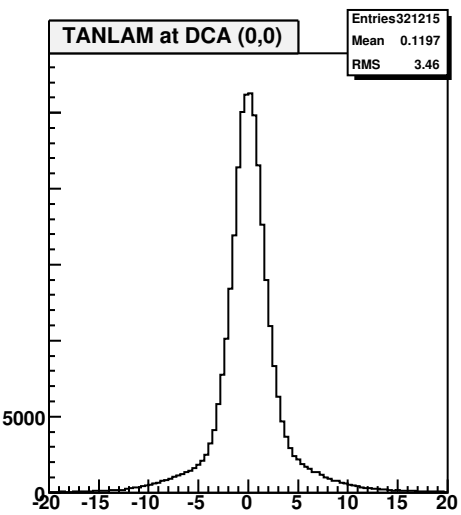
Track Hits (All)

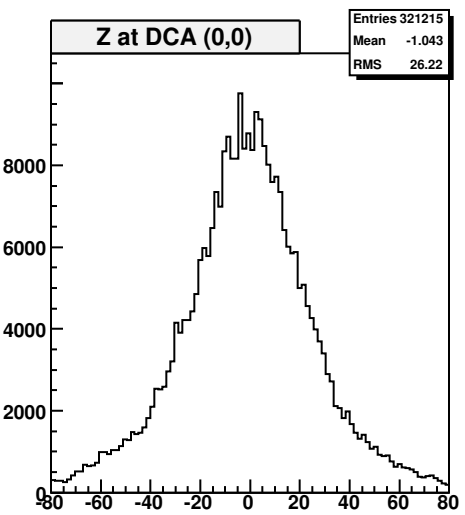


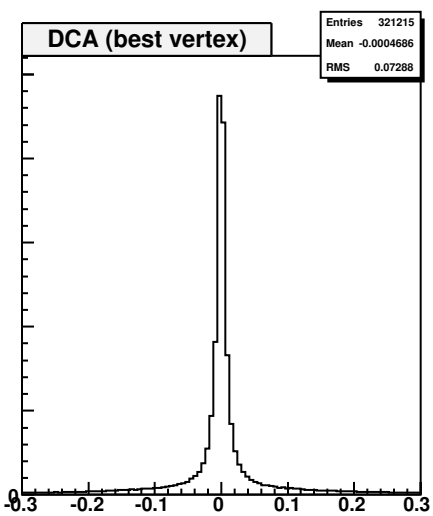


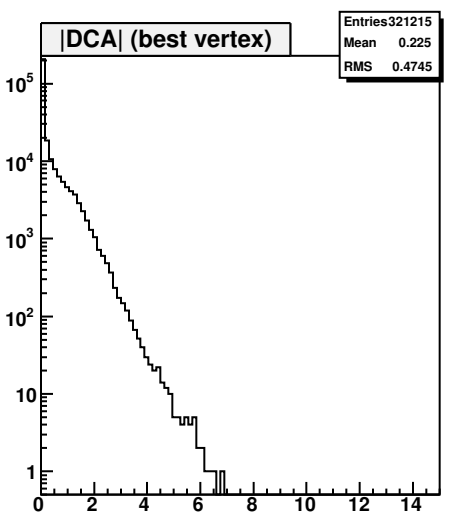


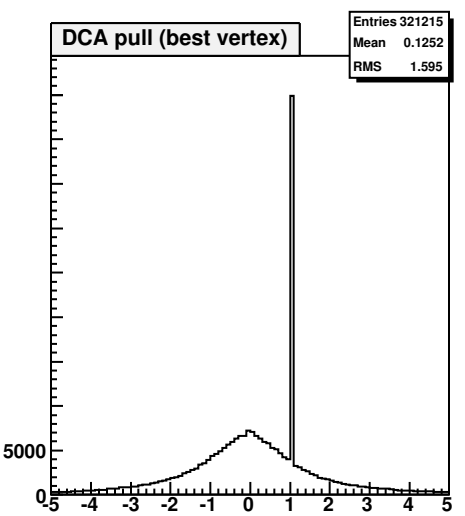




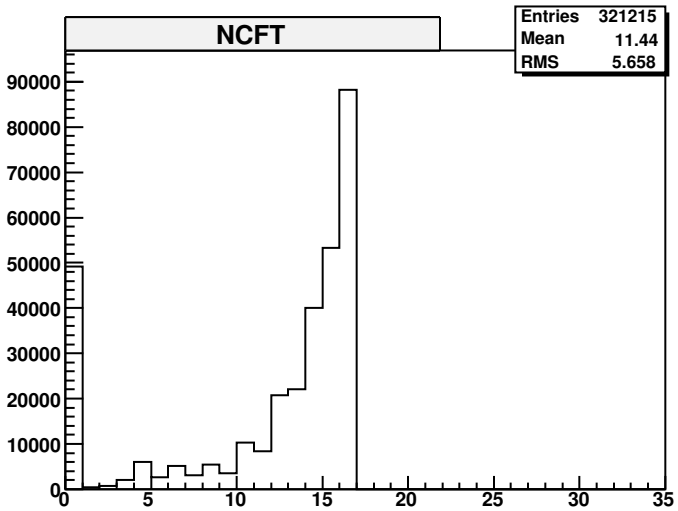


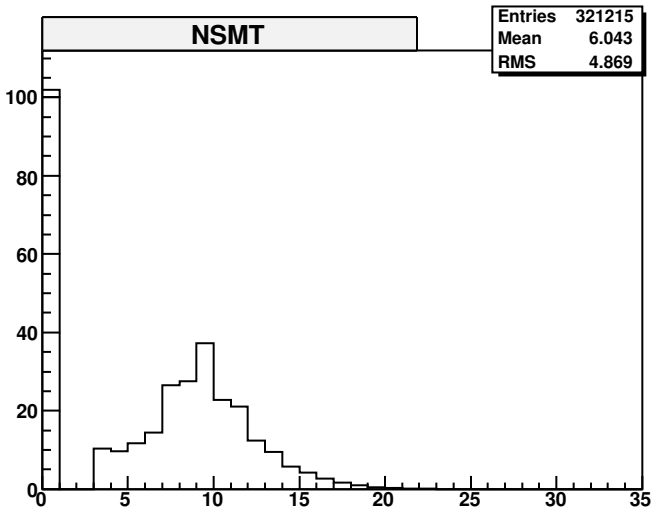


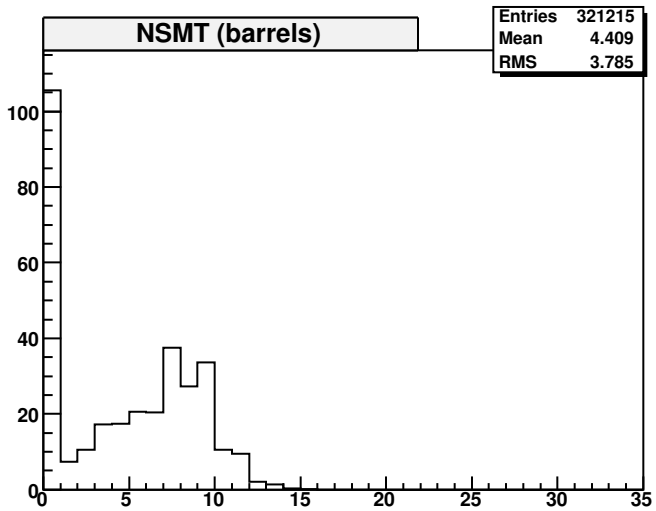


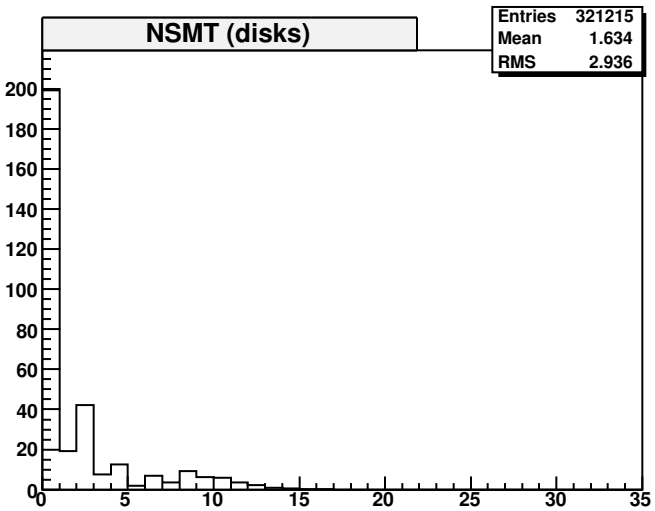


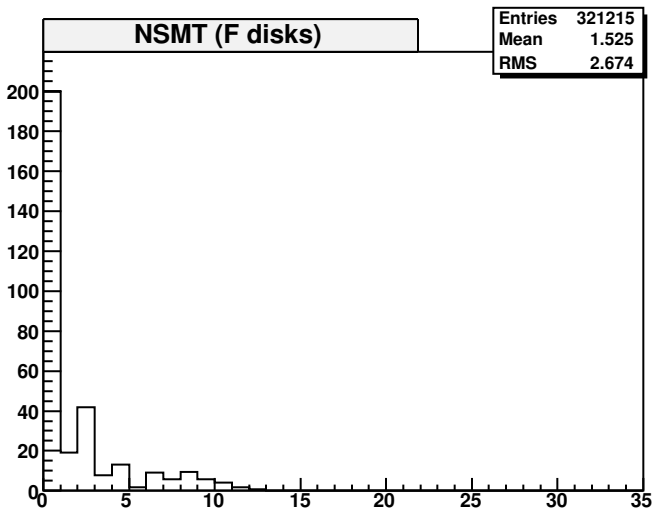
Tracks (Tight)

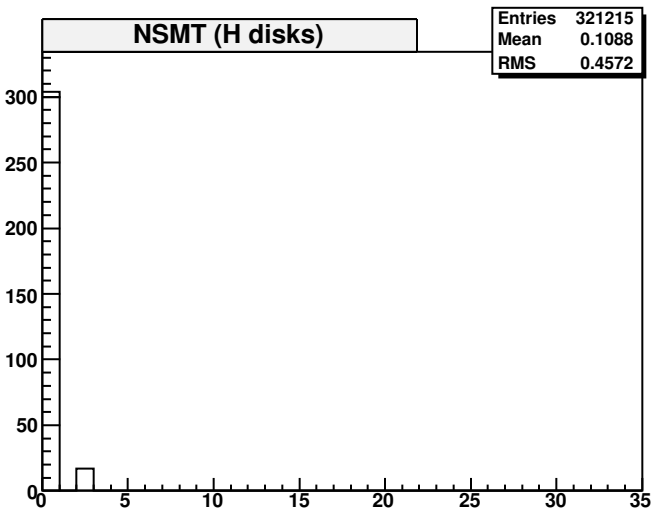




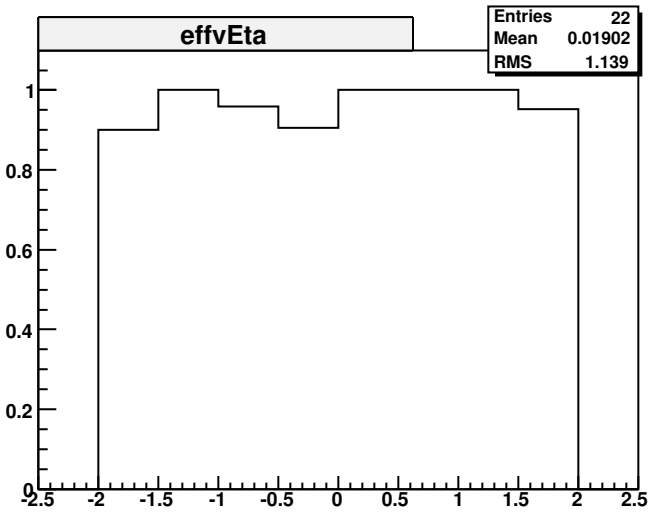


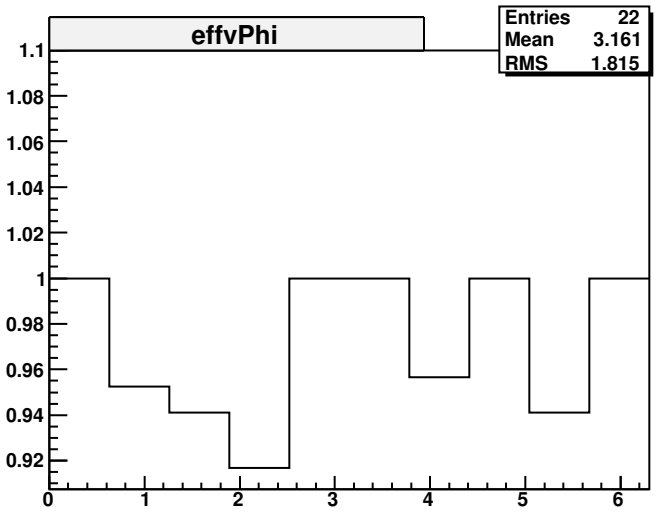


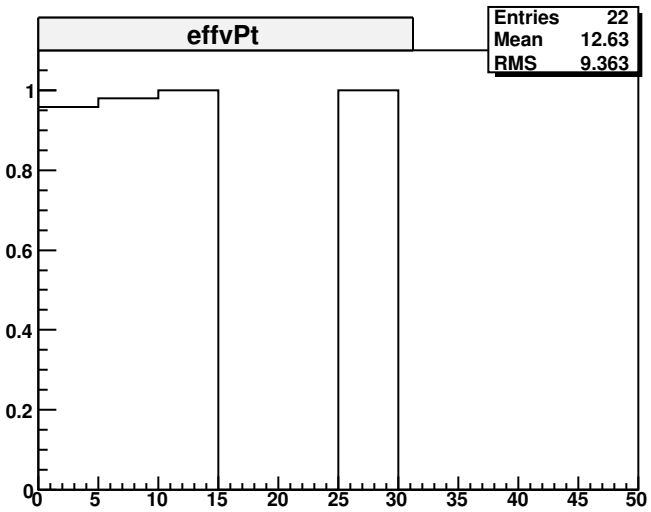


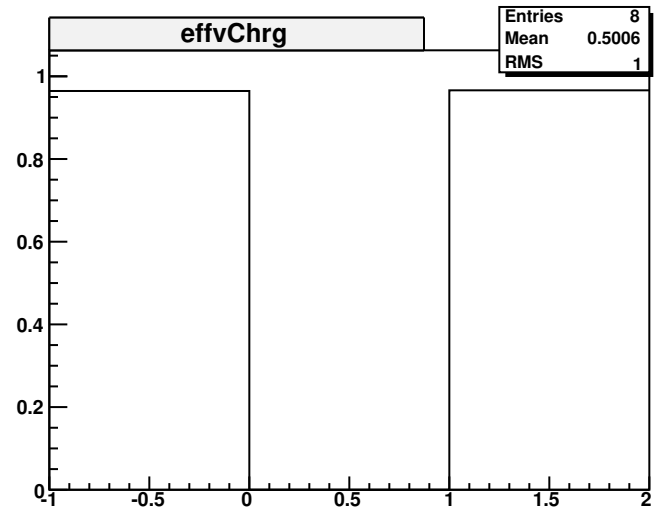


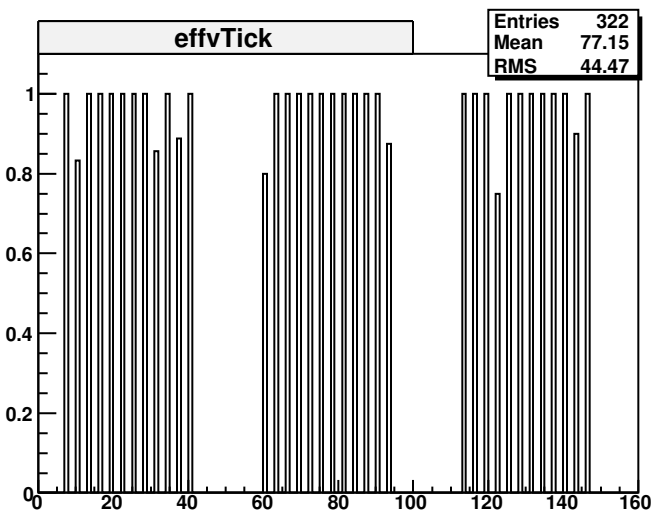
Track Hits (Tight)

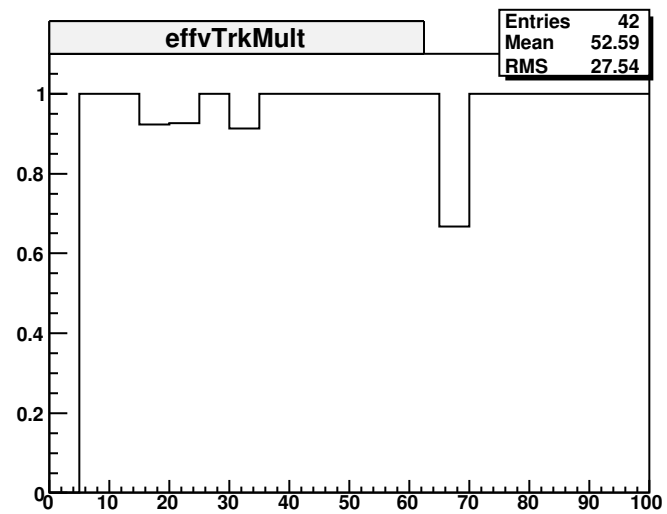




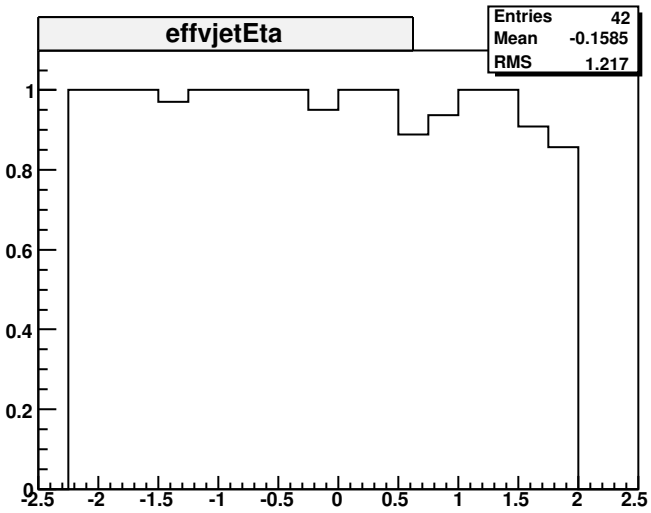


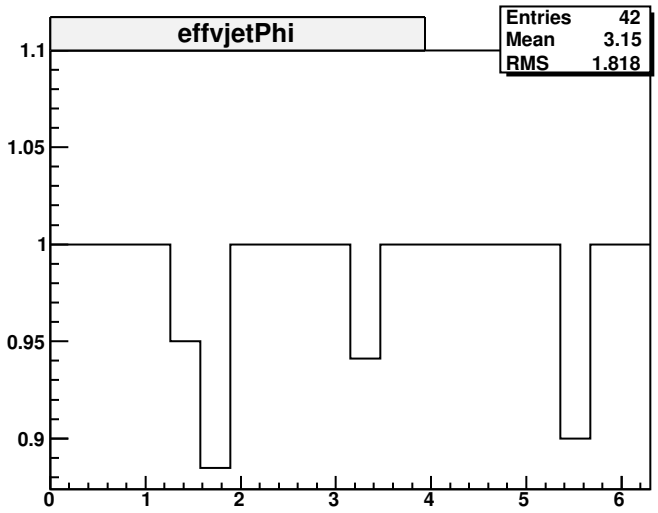


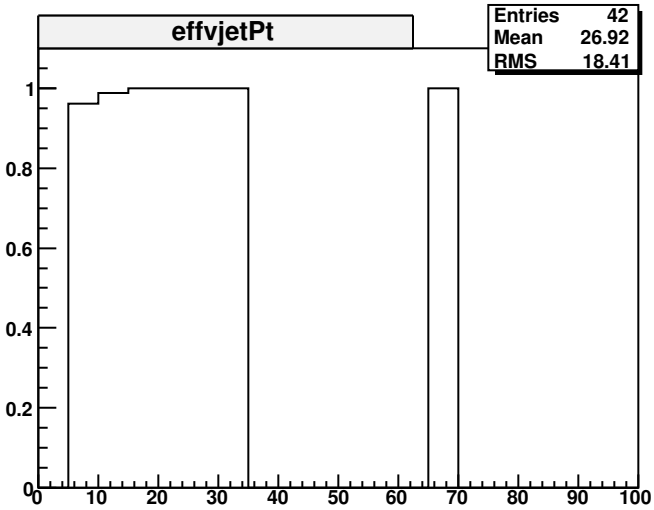




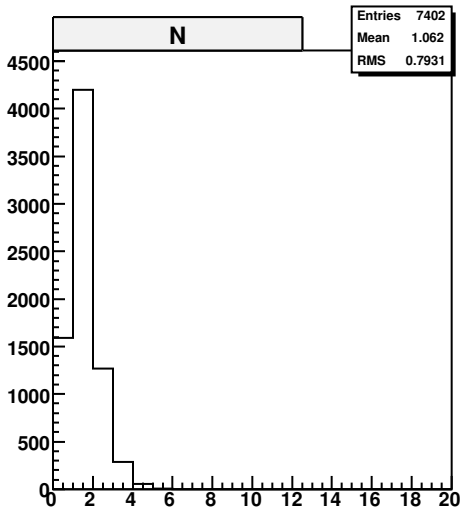
Tracking (Efficiency-Isolated)

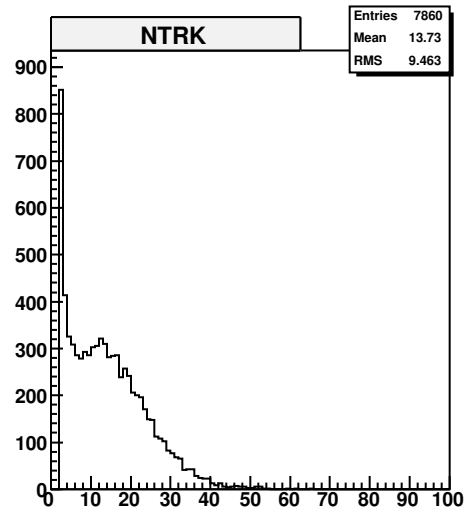


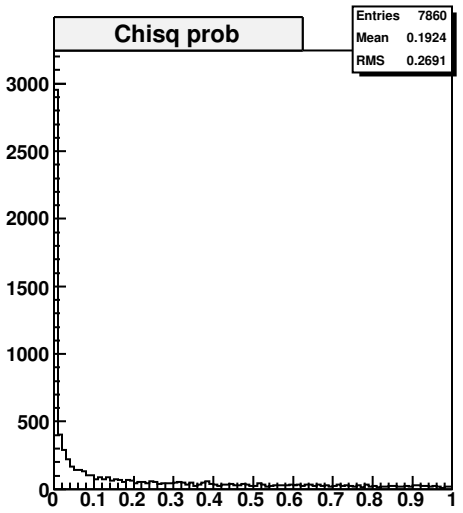


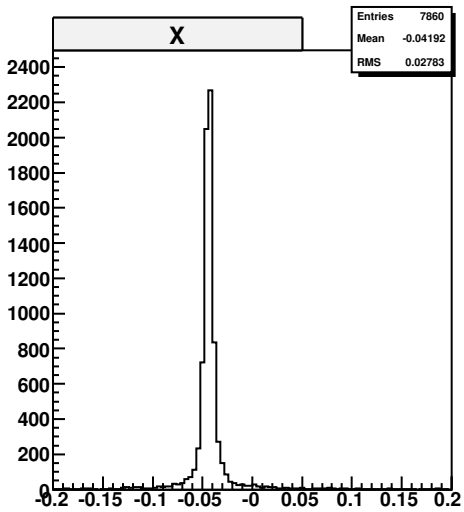


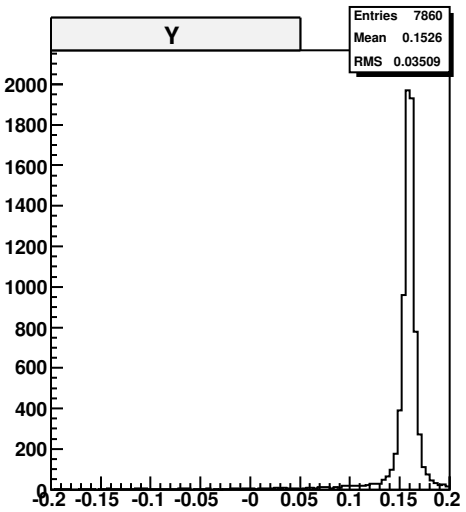
Tracking (Efficiency-InJets)

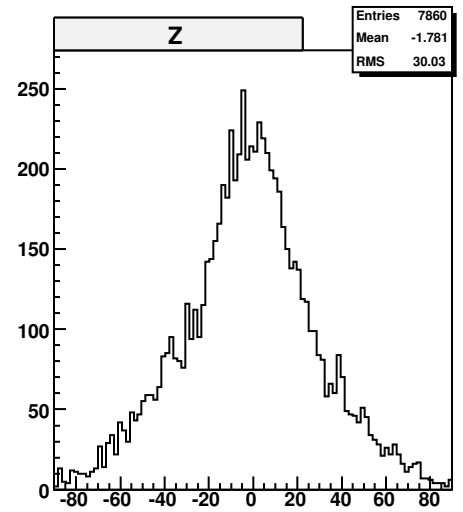


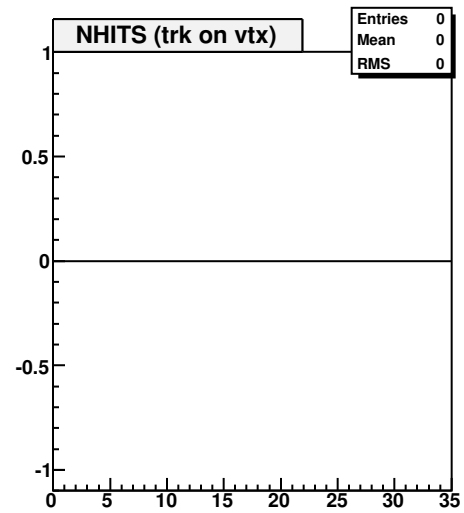


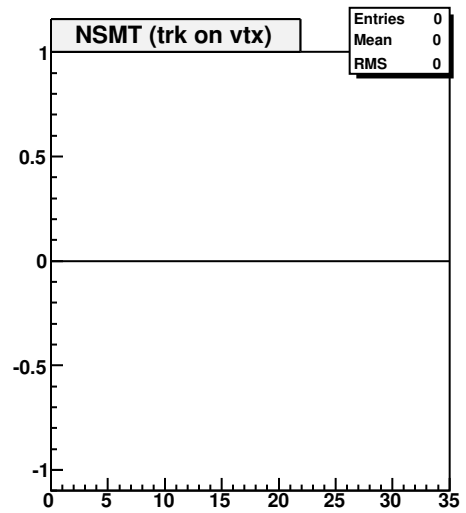


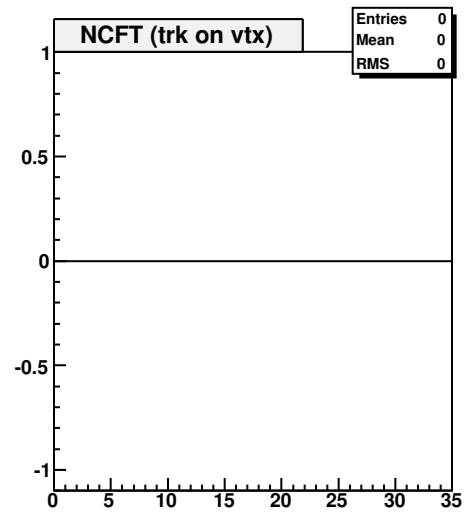




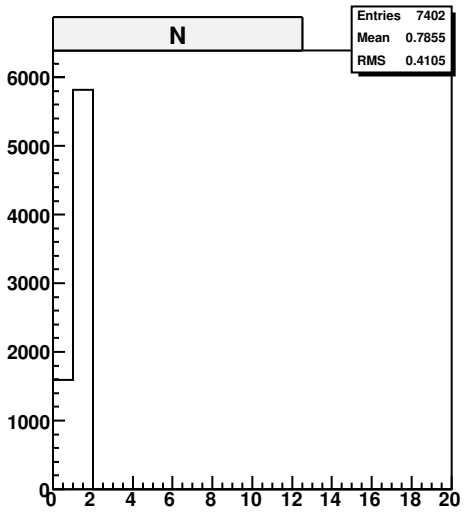


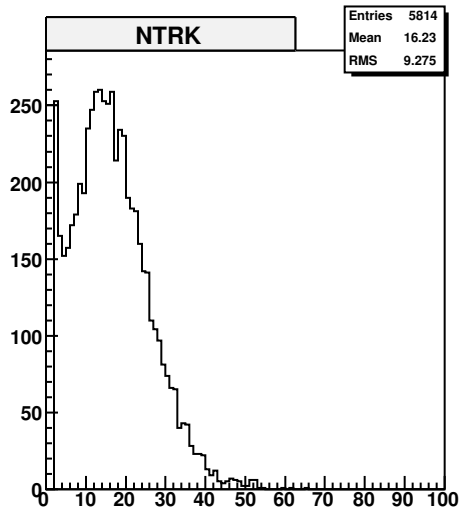


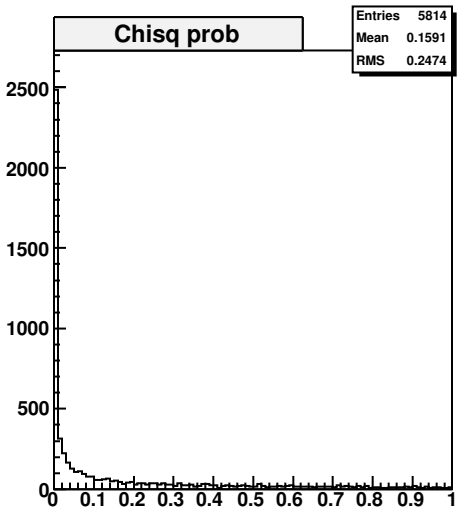


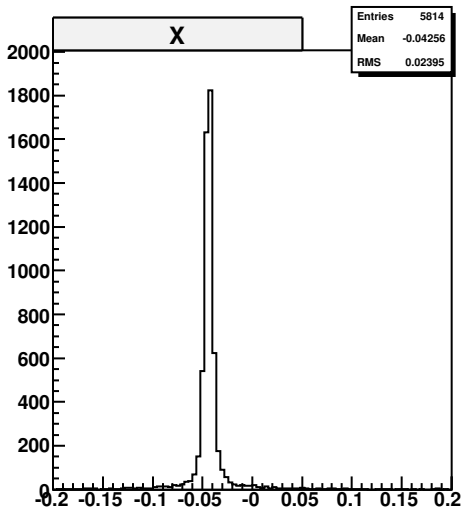


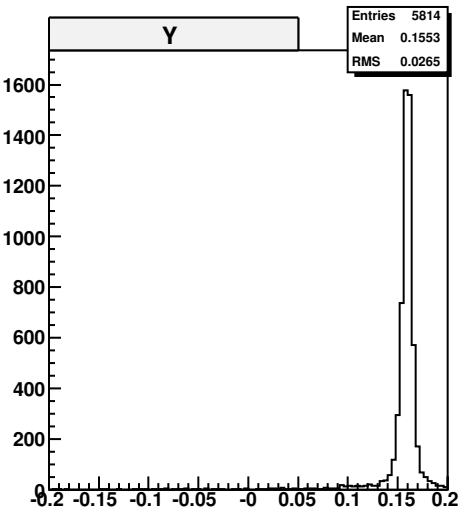
Vertices (Primary - all candidates)

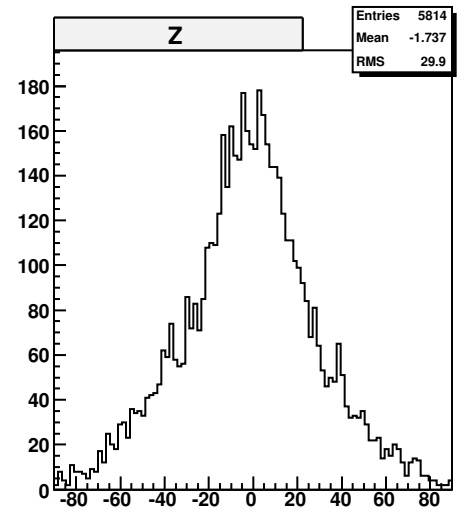


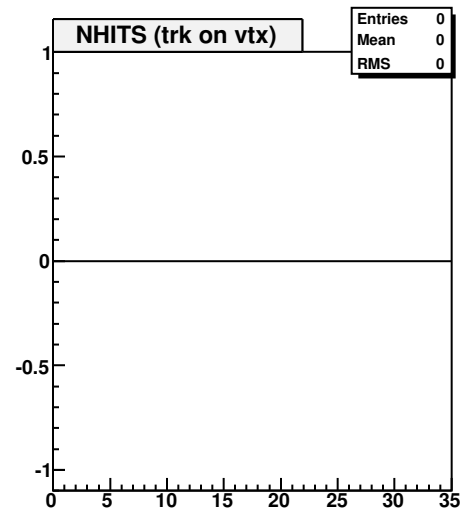


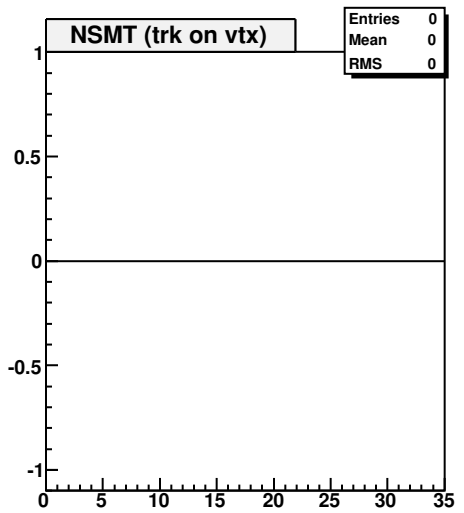


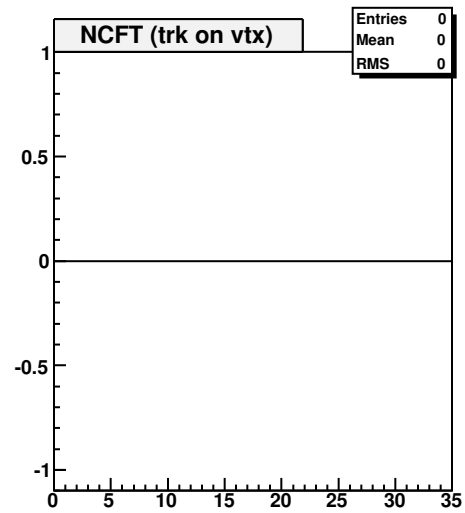




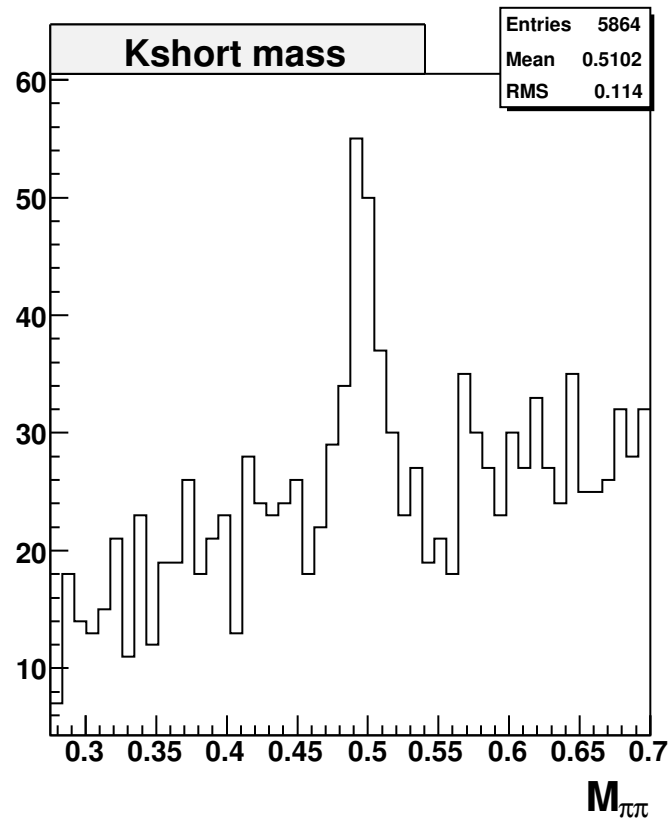


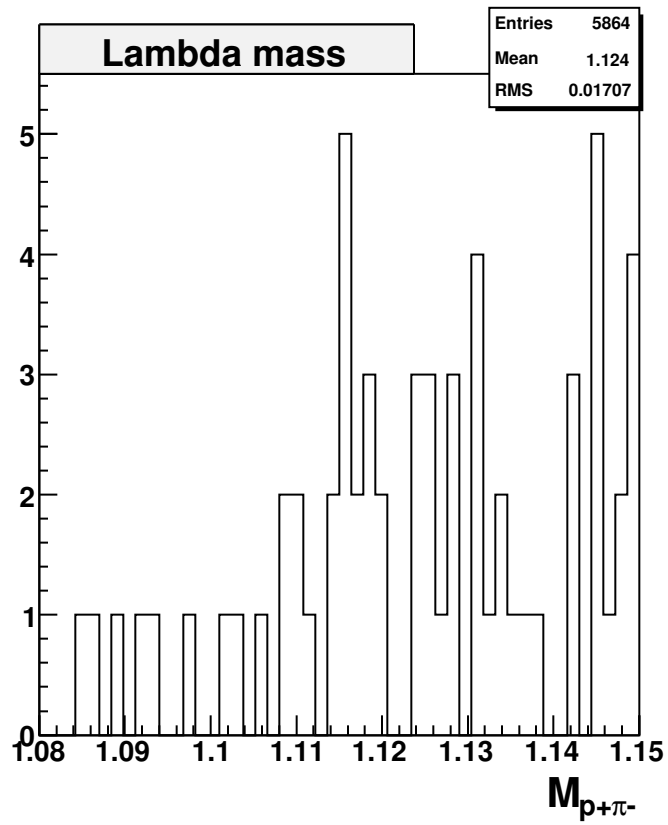


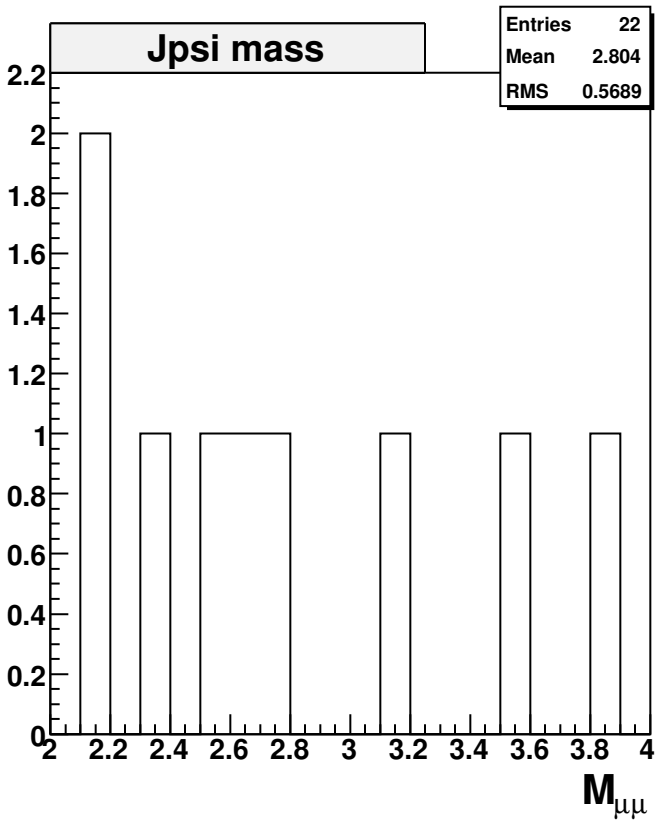


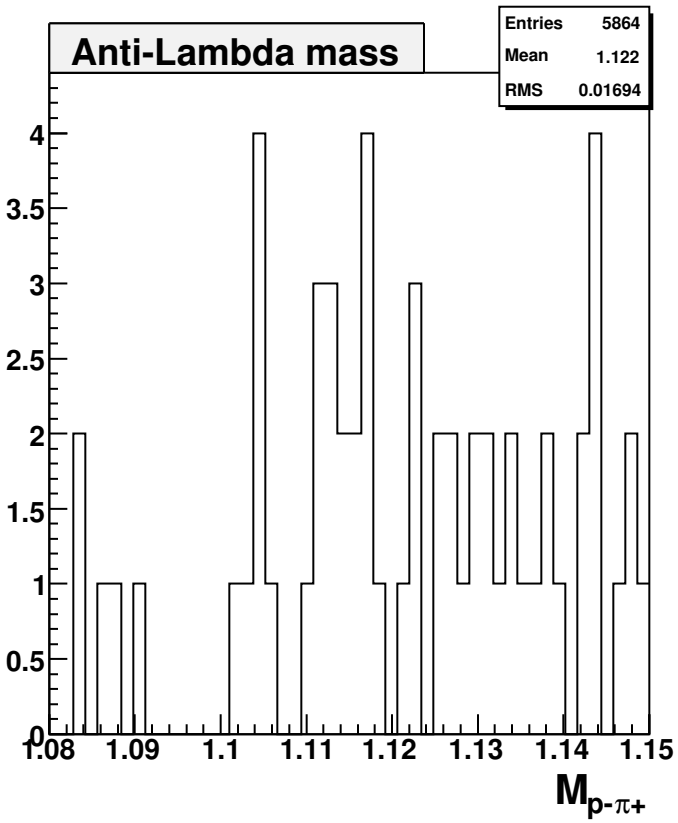


Vertices (Primary - best)

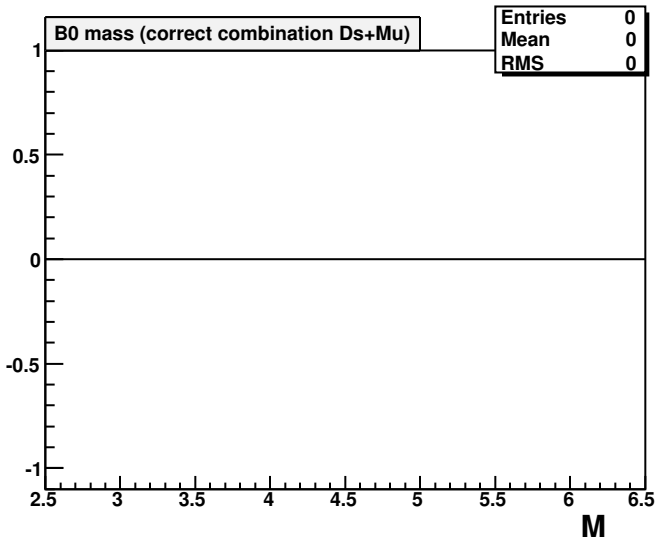

Kshort mass
Entries 5864
Mean 0.5102
RMS 0.114
$M_{\pi\pi}$

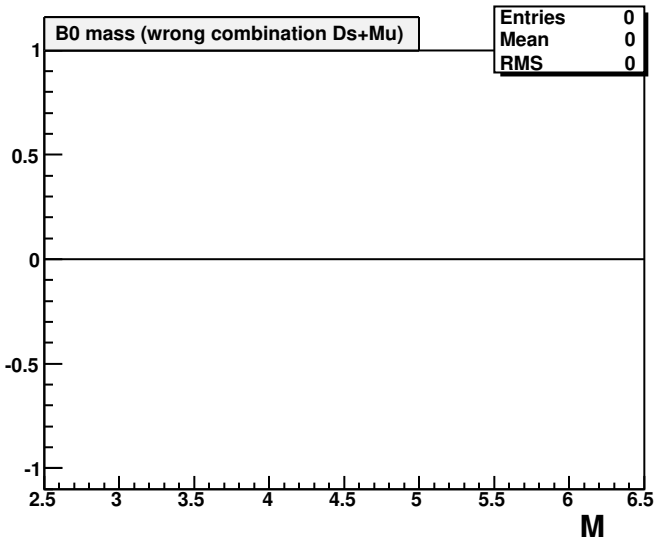

Lambda mass
Entries 5864
Mean 1.124
RMS 0.01707
$M_{p+\pi-}$

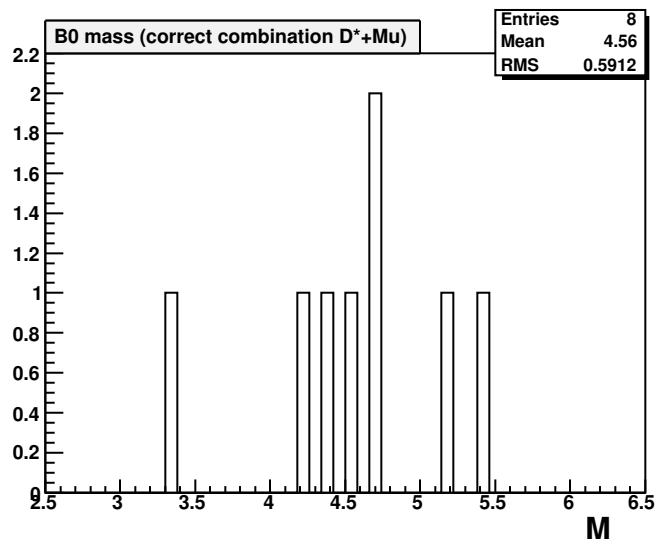

Jpsi mass
Entries 22
Mean 2.804
RMS 0.5689
$M_{\mu\mu}$

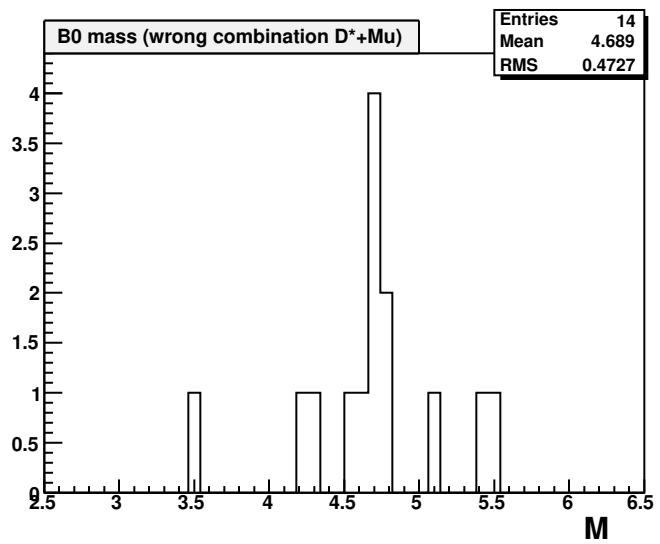

Anti-Lambda mass
Entries 5864
Mean 1.122
RMS 0.01694
$M_{p-\pi+}$

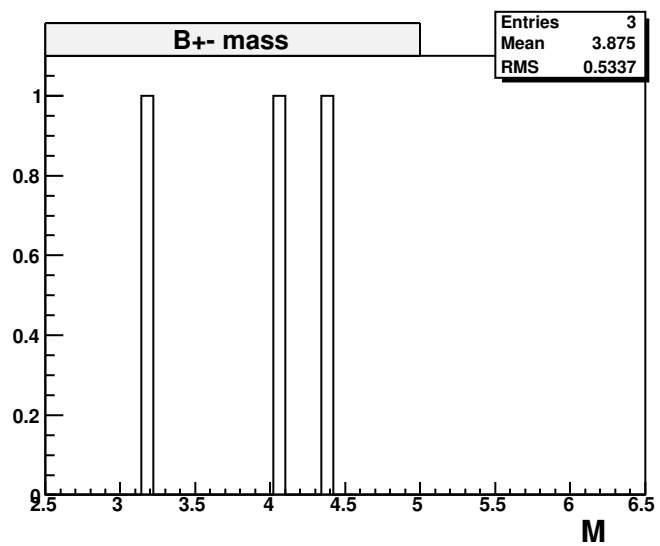
V0 (All)



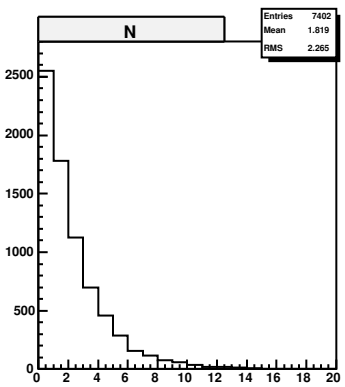


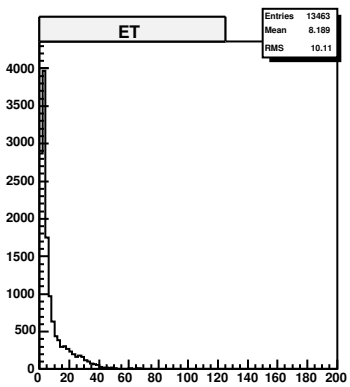


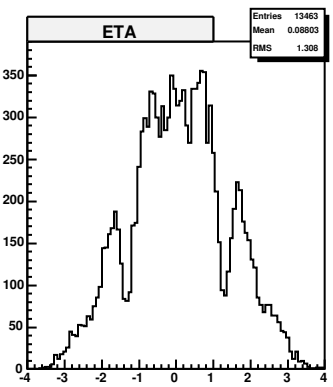


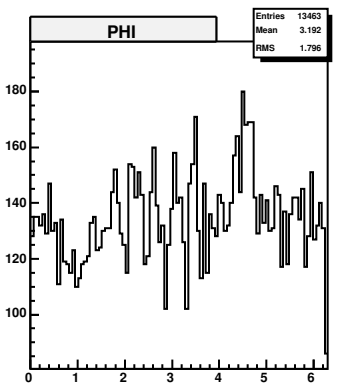


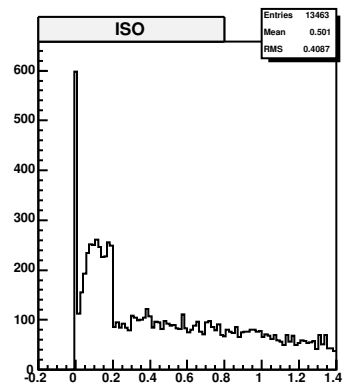
V0(B mesons) (All)

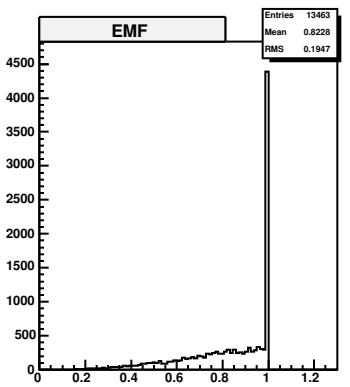


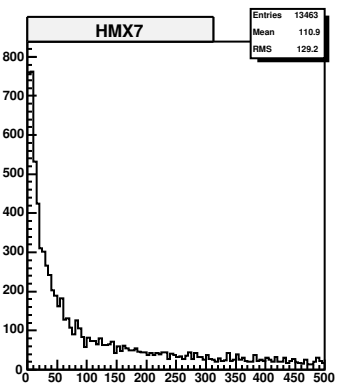


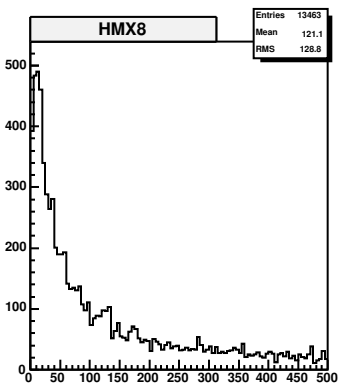


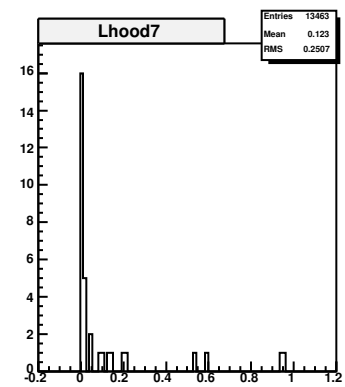


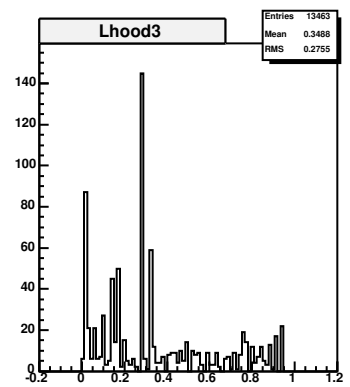


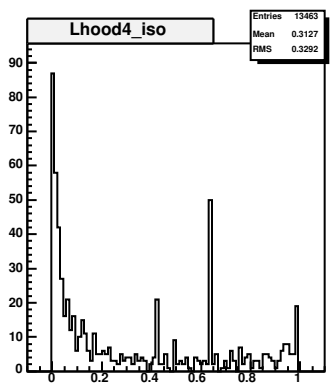


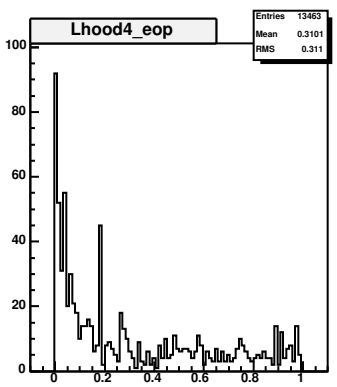


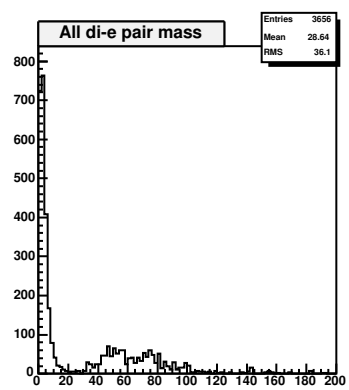


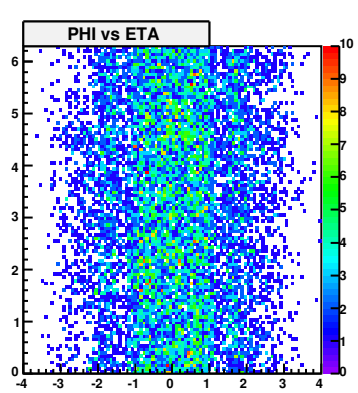


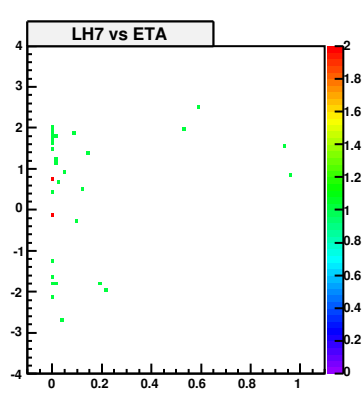


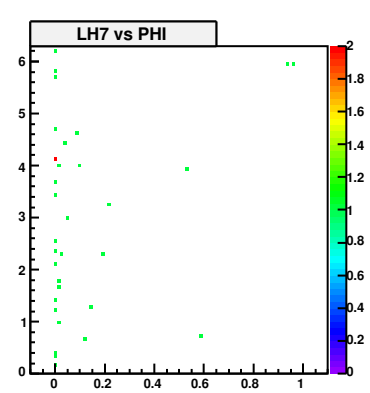




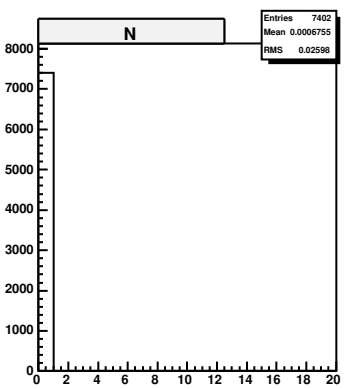


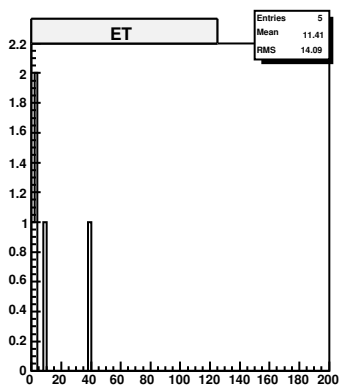


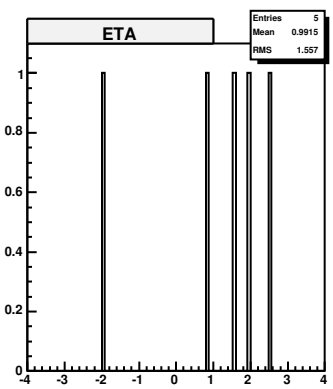


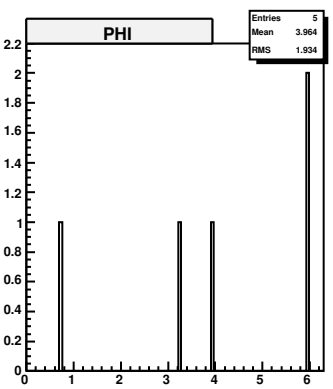


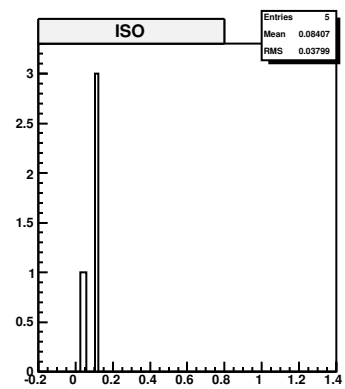
Electrons (SCONE All)

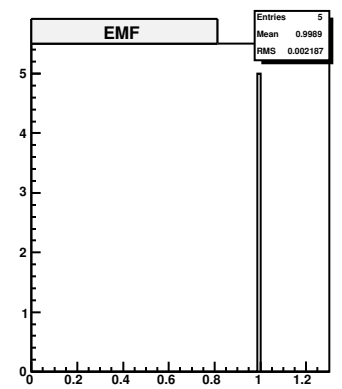


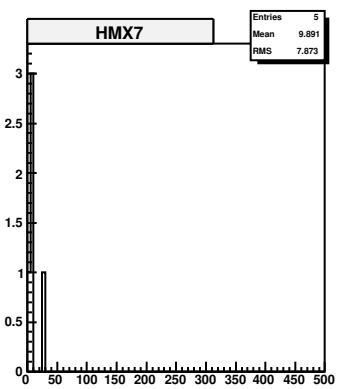


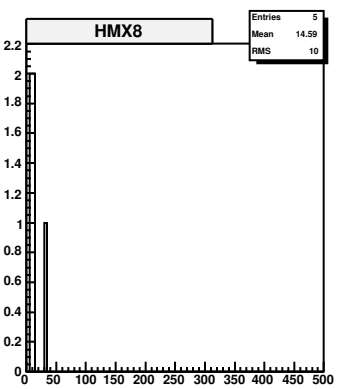


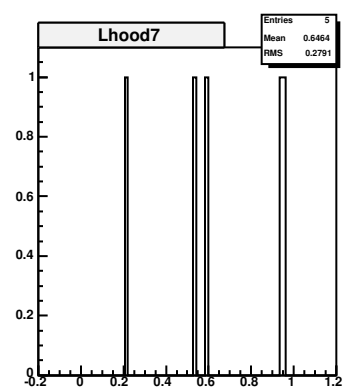


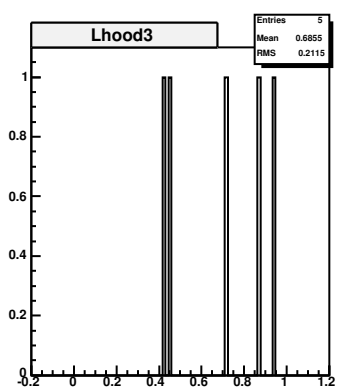


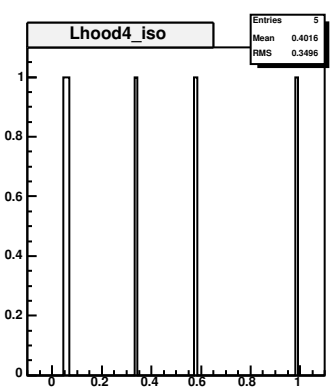


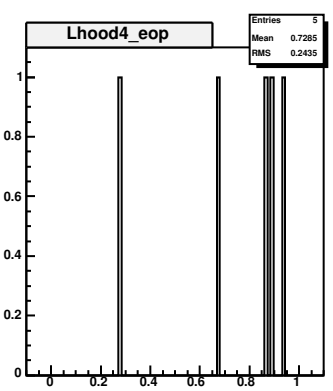


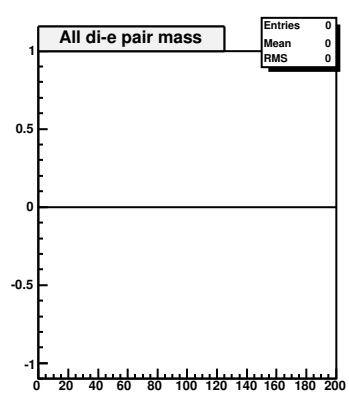


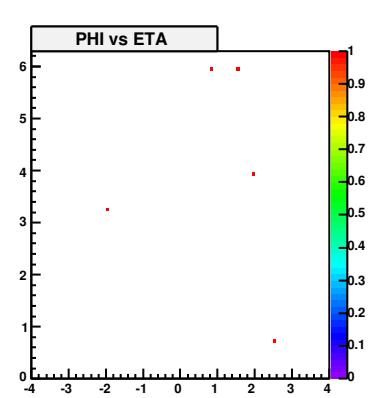


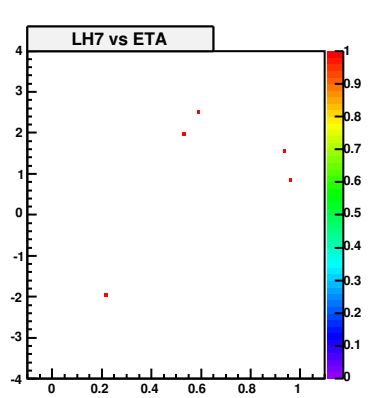


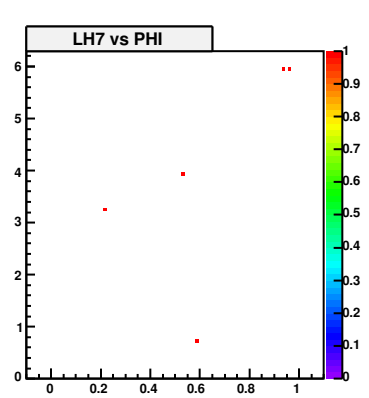




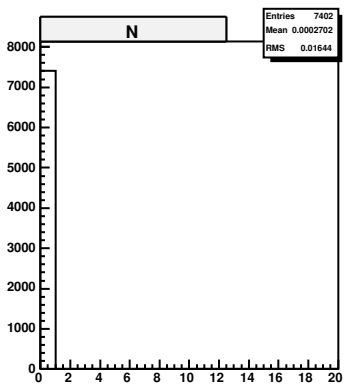


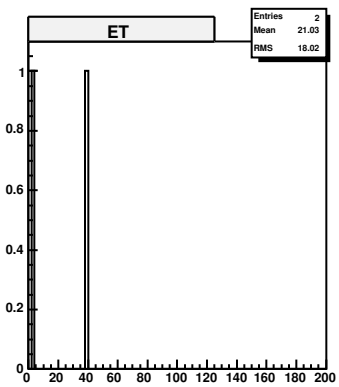


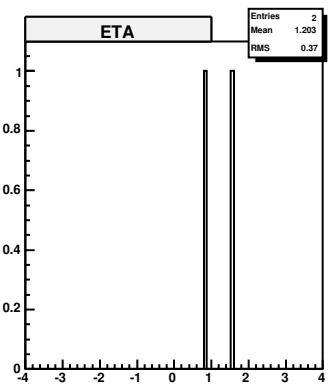


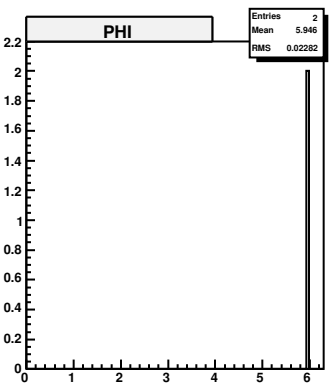


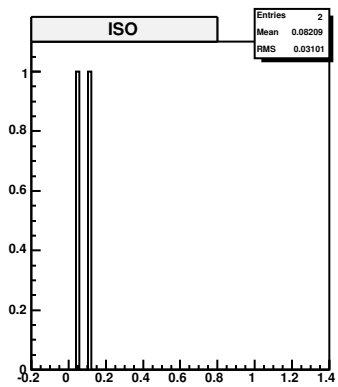
Electrons (SCONE Loose)

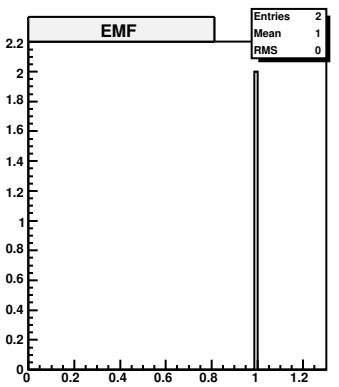


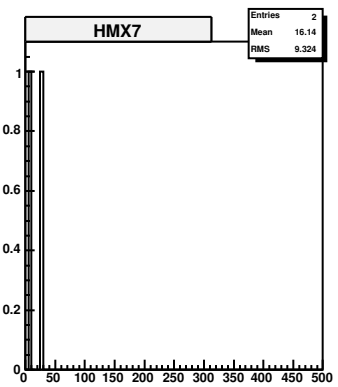


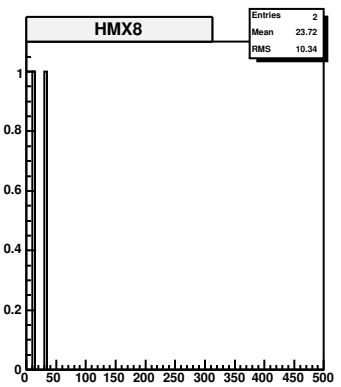


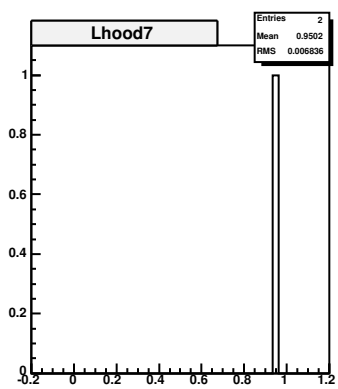


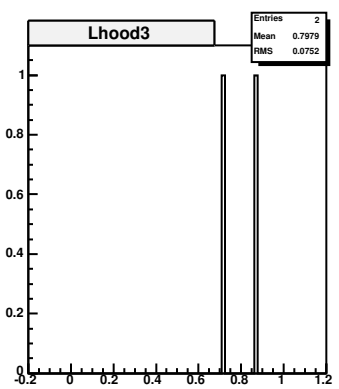


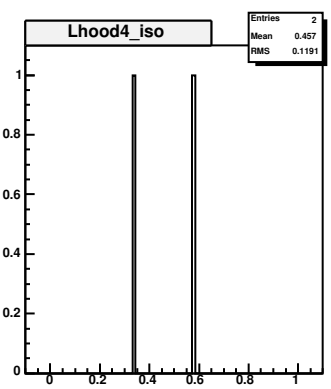


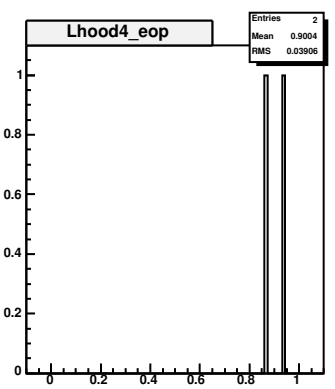


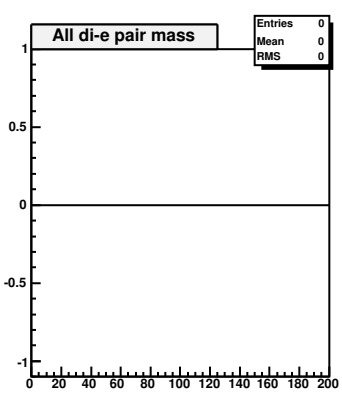


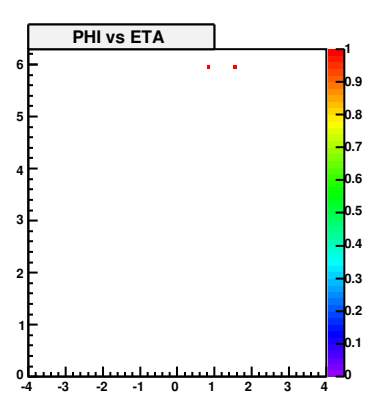


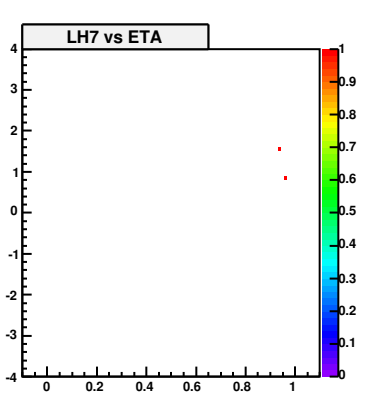


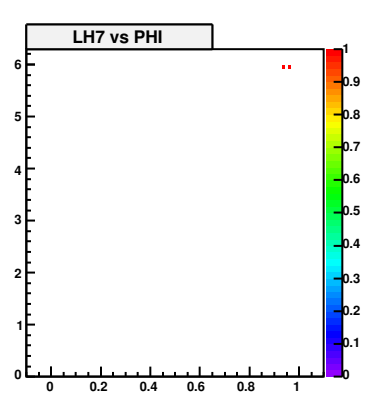




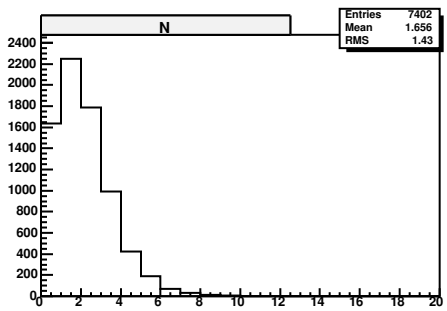


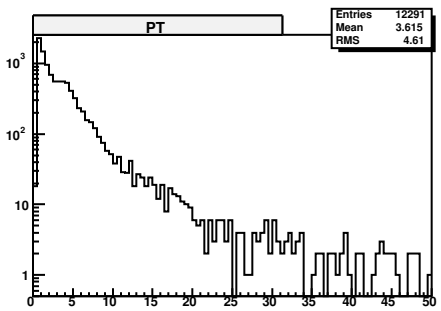


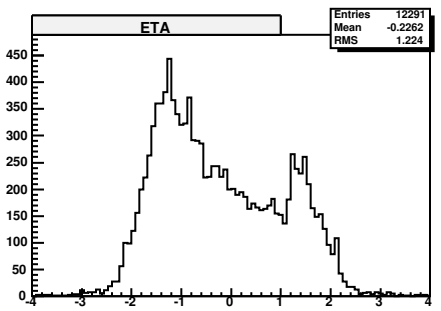


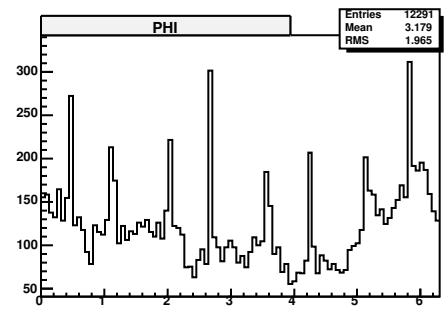


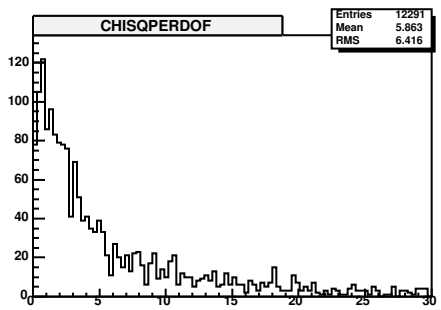
Electrons (SCONE Tight)

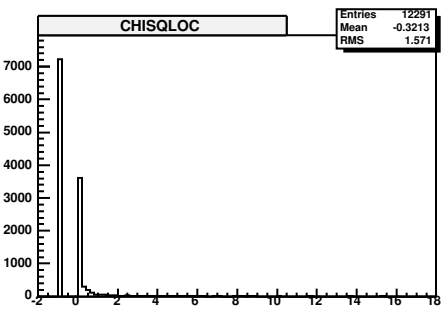

N
Entries 7402
Mean 1.656
RMS 1.43

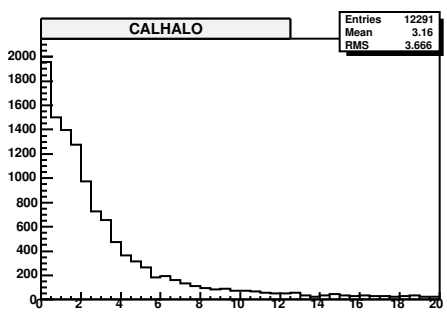

PT
Entries 12291
Mean 3.615
RMS 4.61

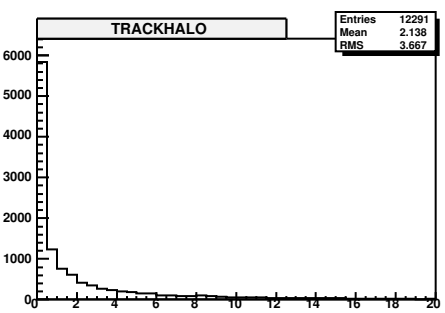

ETA
Entries 12291
Mean -0.2262
RMS 1.224

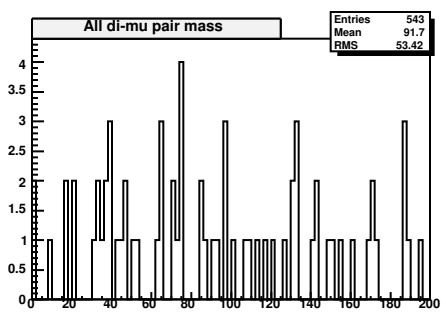

PHI
Entries 12291
Mean 3.179
RMS 1.965

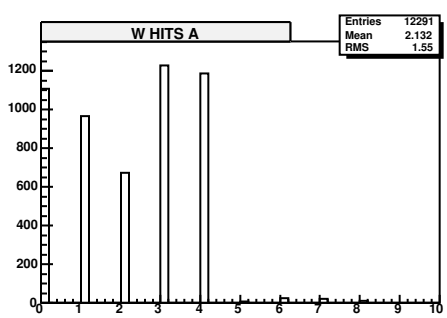

CHISQPERDOF
Entries 12291
Mean 5.863
RMS 6.416

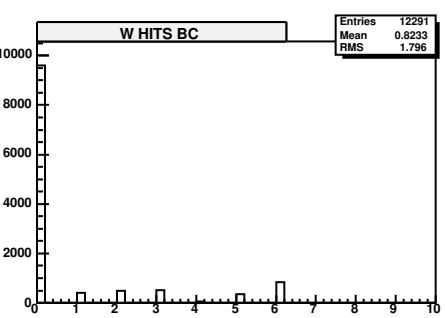

CHISQLOC
Entries 12291
Mean -0.3213
RMS 1.571

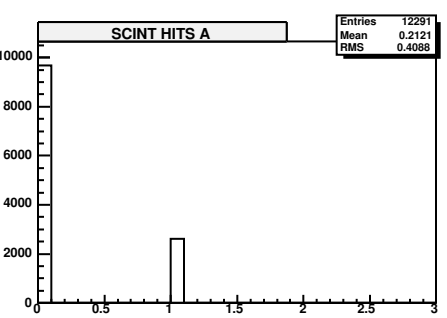

CALHALO
Entries 12291
Mean 3.16
RMS 3.666

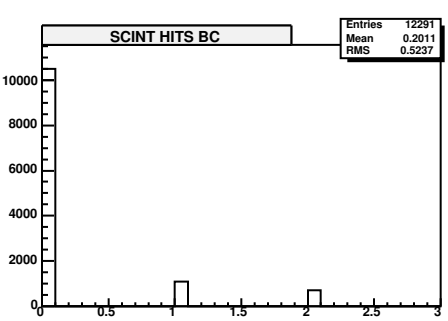

TRACKHALO
Entries 12291
Mean 2.138
RMS 3.667


All di-mu pair mass
Entries 543
Mean 91.7
RMS 53.42

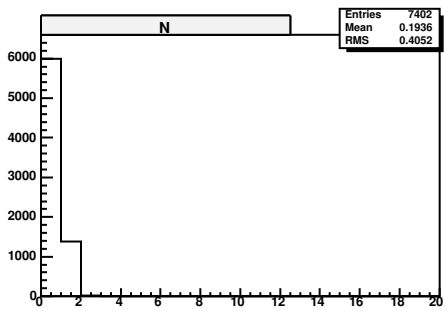

W HITS A
Entries 12291
Mean 2.132
RMS 1.55

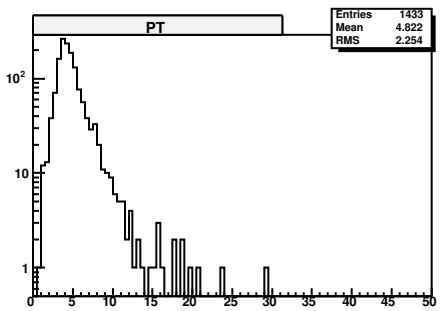

W HITS BC
Entries 12291
Mean 0.8233
RMS 1.796

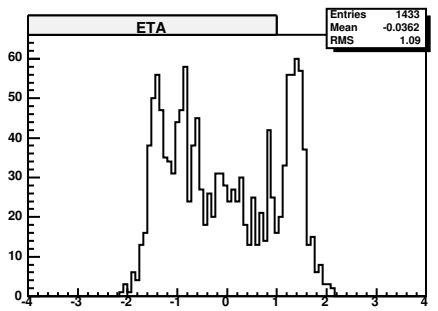

SCINT HITS A
Entries 12291
Mean 0.2121
RMS 0.4088

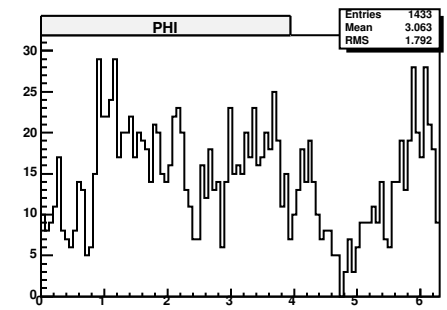

SCINT HITS BC
Entries 12291
Mean 0.2011
RMS 0.5237

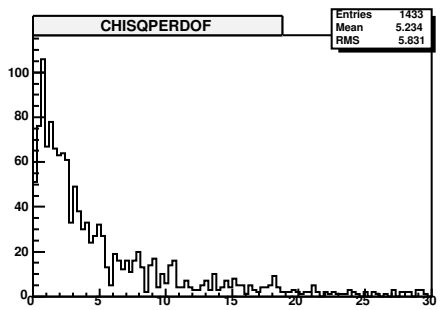
Muons (All)

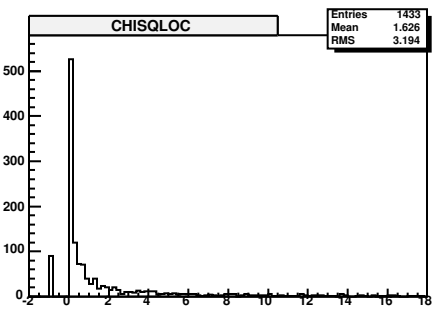


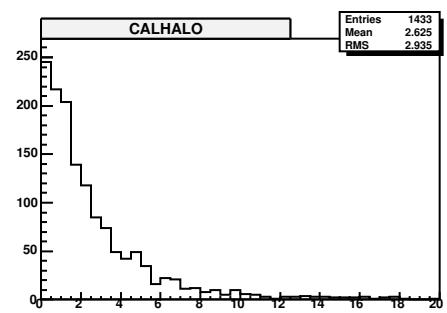


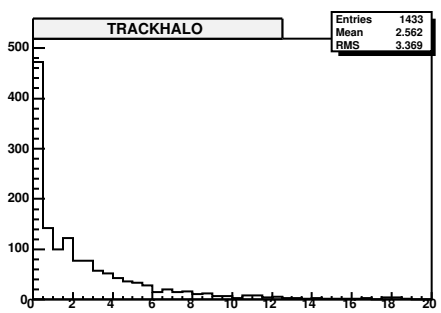


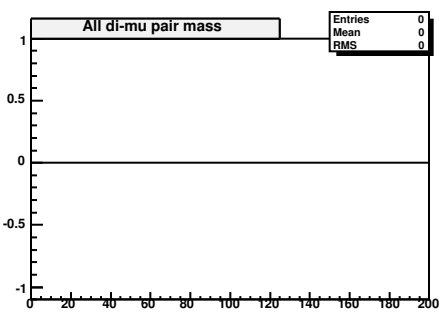


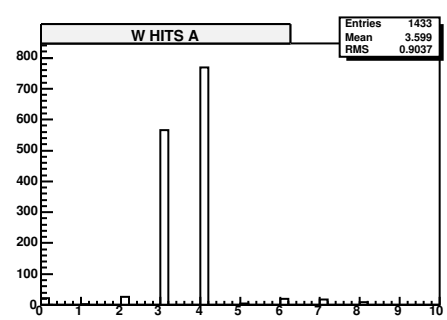


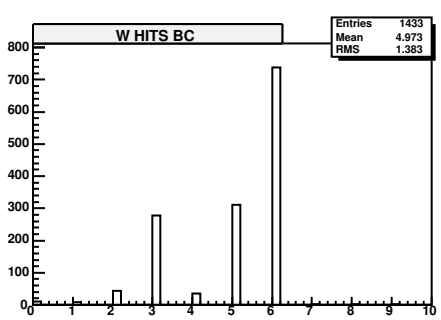


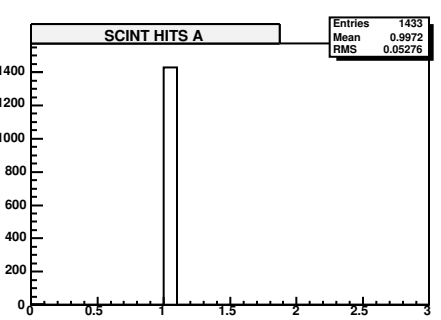


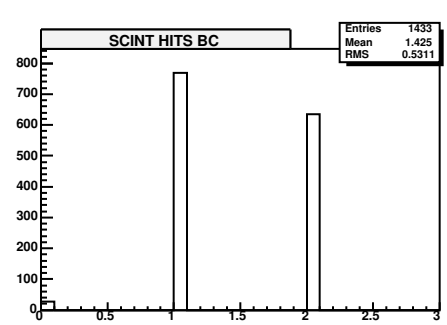




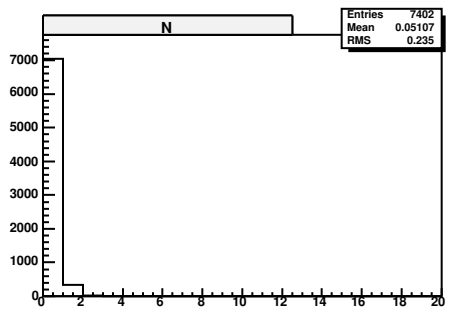


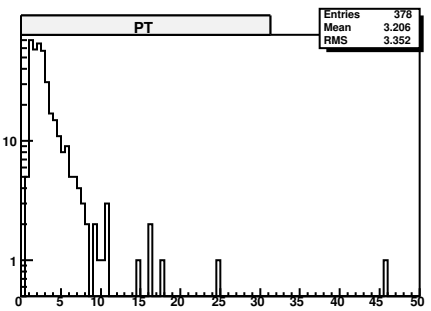


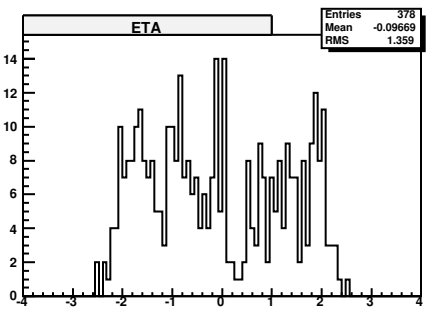


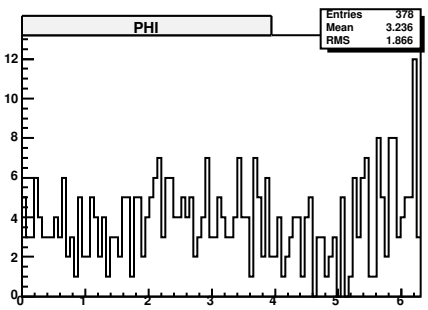


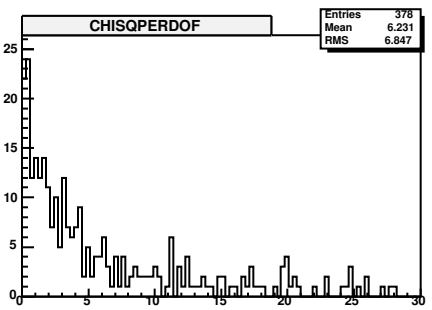
Muons (Matched)

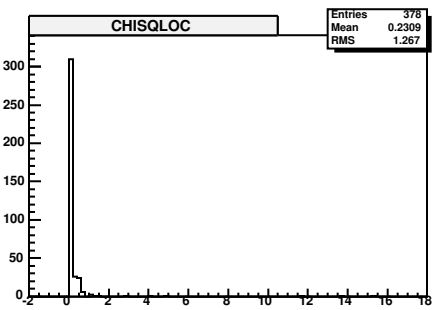

N
Entries 7402
Mean 0.05107
RMS 0.235

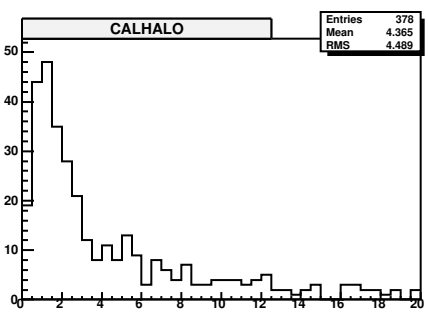

PT
Entries 378
Mean 3.206
RMS 3.352

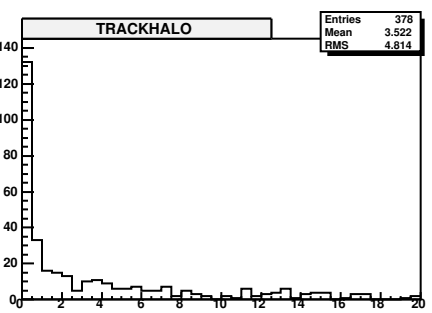

ETA
Entries 378
Mean -0.09669
RMS 1.359

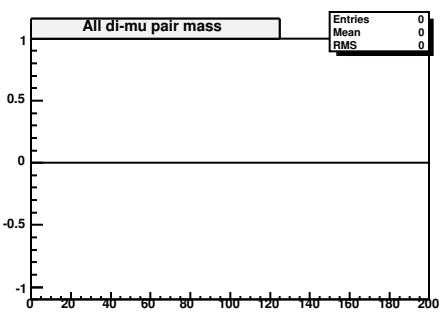

PHI
Entries 378
Mean 3.236
RMS 1.866

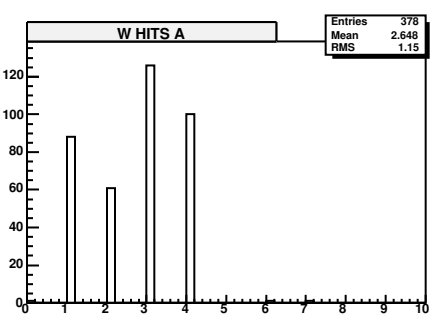

CHISQPERDOF
Entries 378
Mean 6.231
RMS 6.847

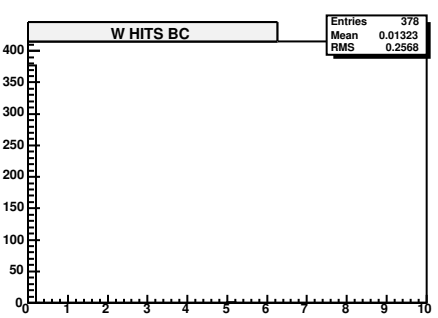

CHISQLOC
Entries 378
Mean 0.2309
RMS 1.267

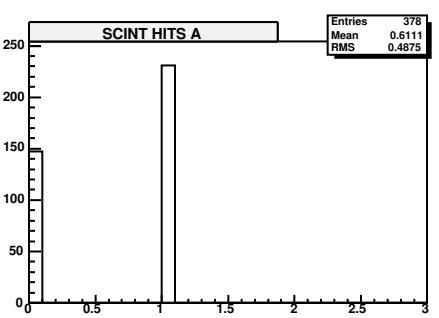

CALHALO
Entries 378
Mean 4.365
RMS 4.489

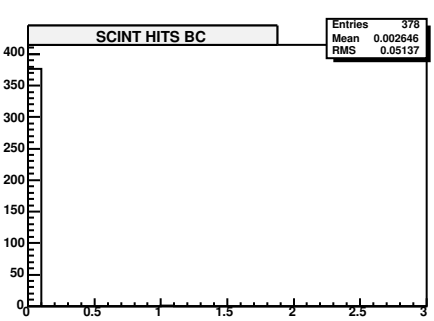

TRACKHALO
Entries 378
Mean 3.522
RMS 4.814


All di-mu pair mass
Entries 0
Mean 0
RMS 0

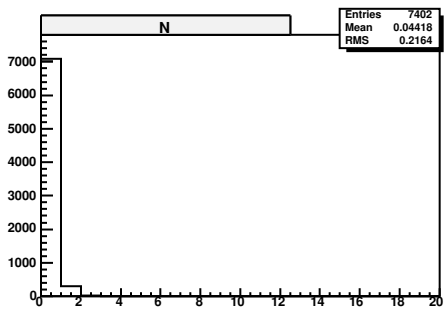

W HITS A
Entries 378
Mean 2.648
RMS 1.15

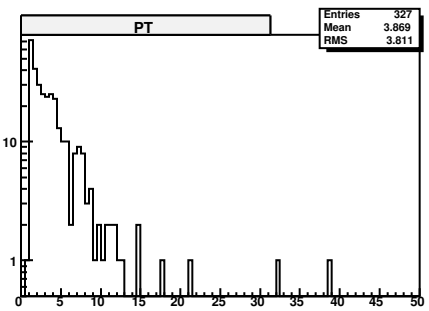

W HITS BC
Entries 378
Mean 0.01323
RMS 0.2568

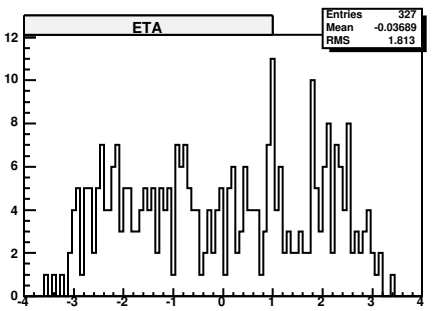

SCINT HITS A
Entries 378
Mean 0.6111
RMS 0.4875

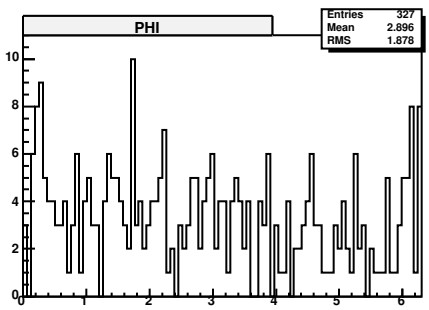

SCINT HITS BC
Entries 378
Mean 0.002646
RMS 0.05137

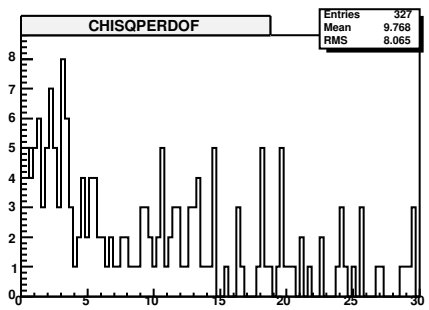
Muons (Astub)

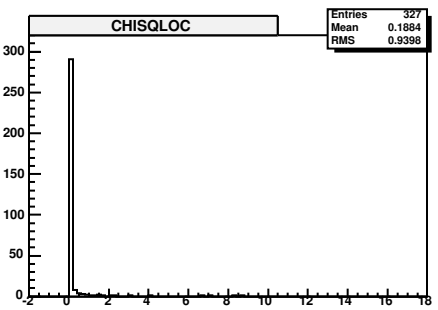


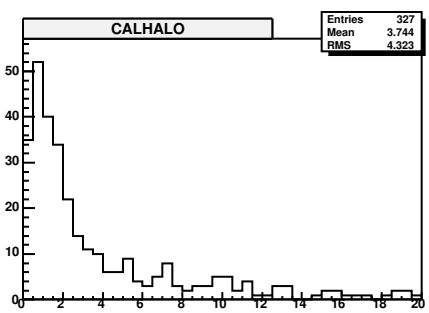


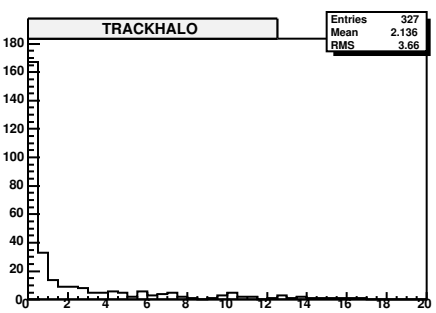


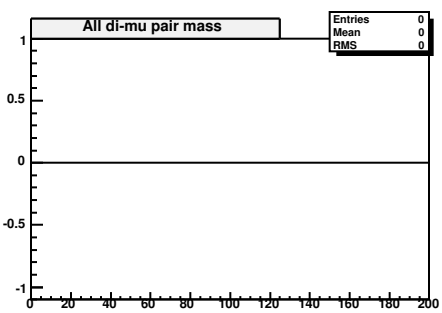


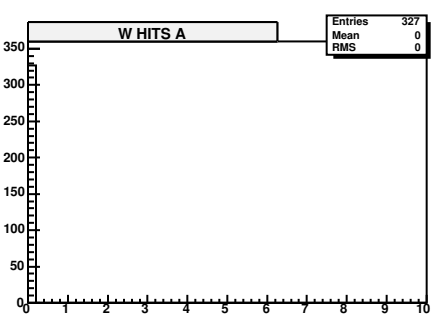


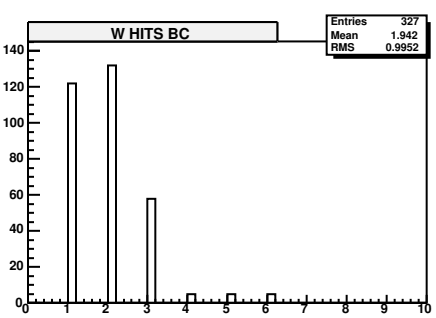


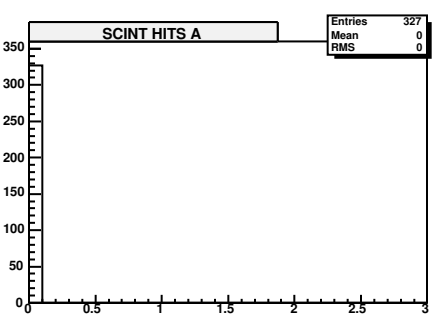


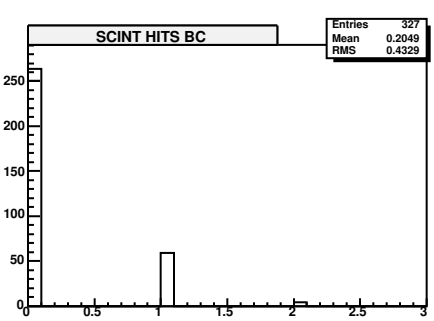




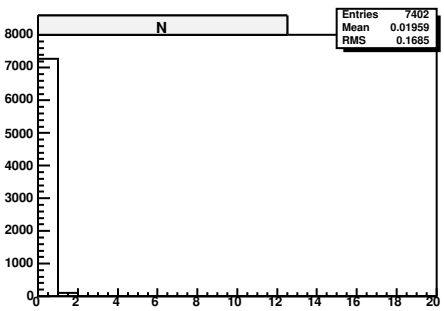


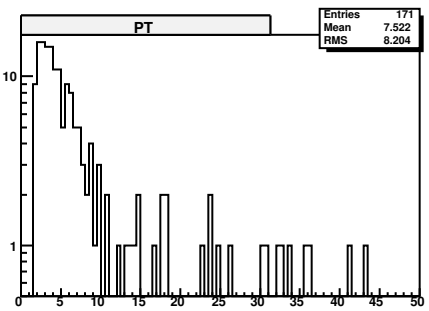


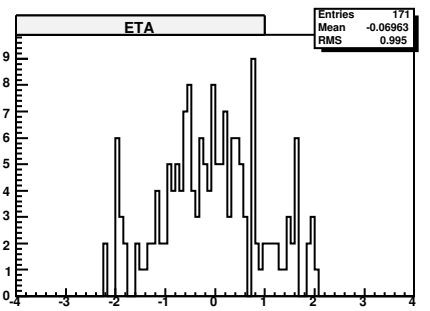


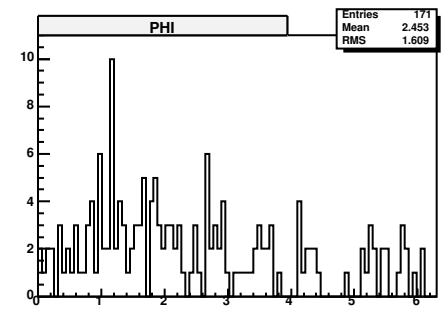


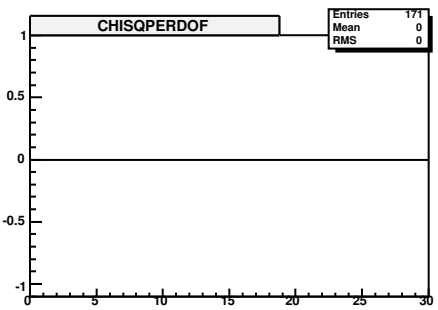
Muons (BCstub)

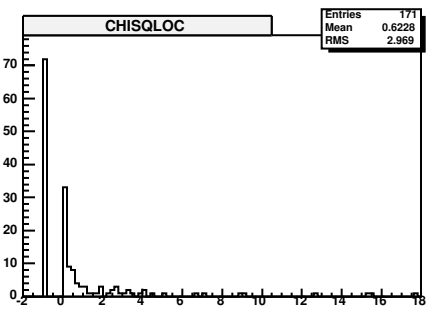


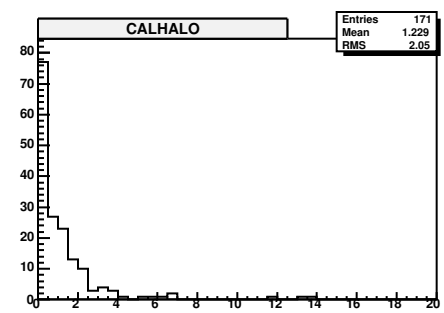


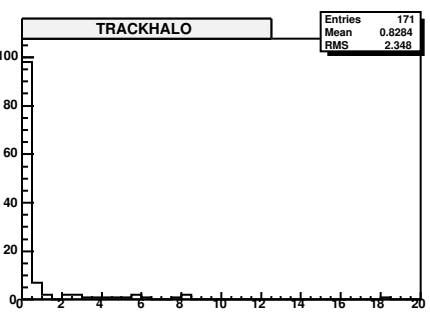


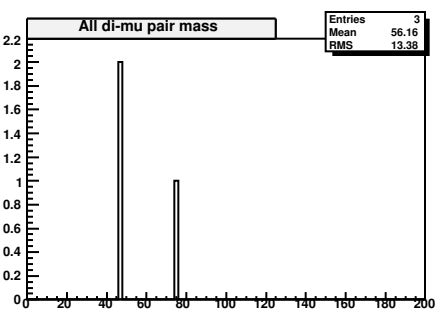


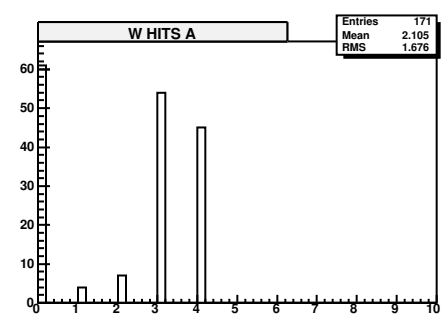


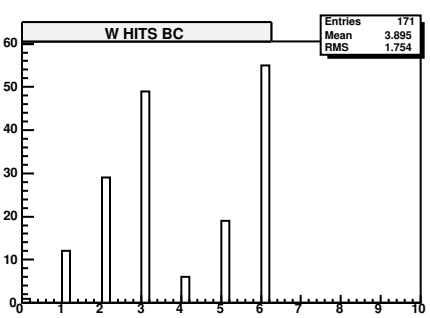


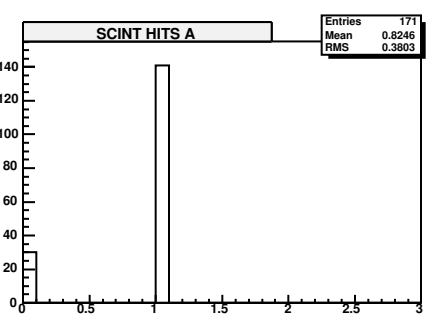


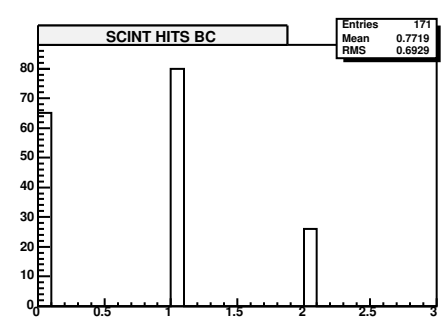




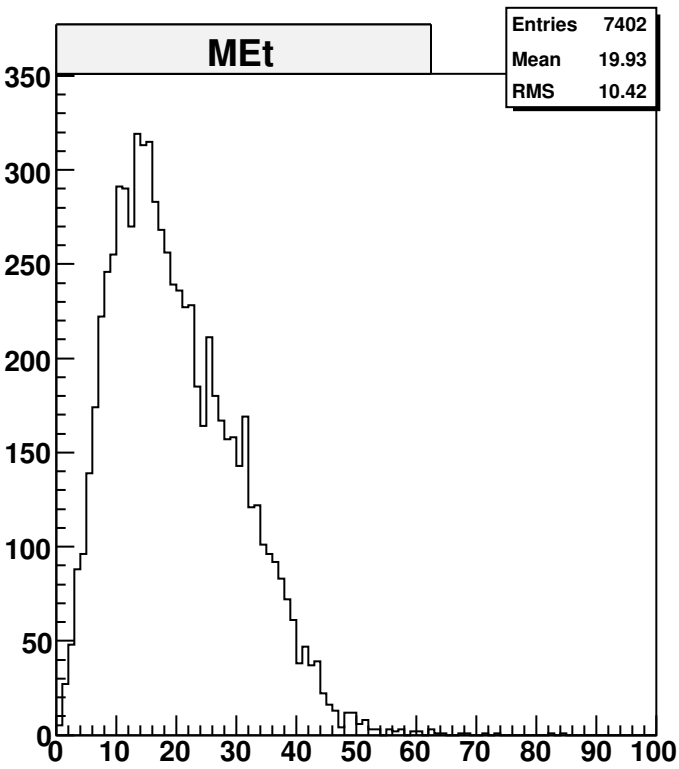








Muons (Unmatched)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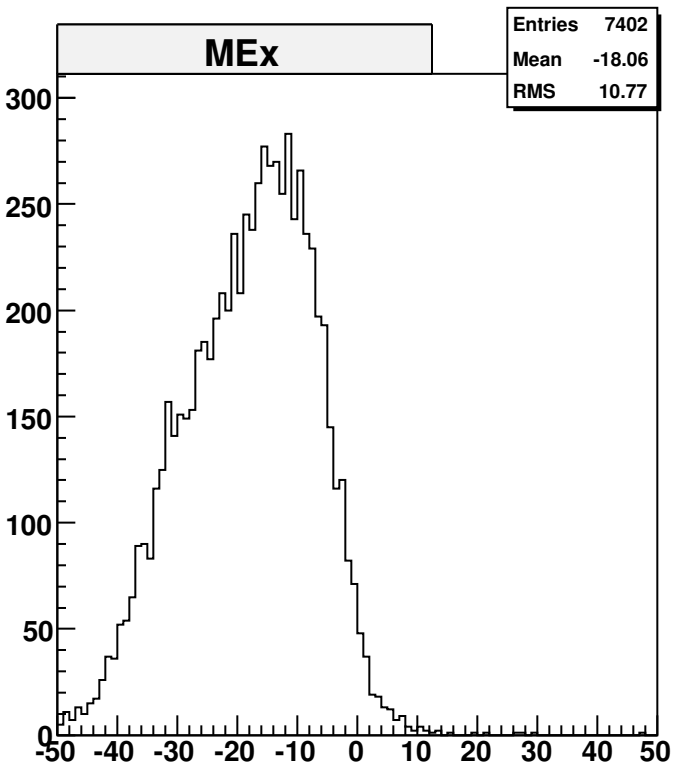
Entries 7402
Mean 19.93
RMS 10.42
350
300
250
200
150
100
50
0
0 10 20 30 40 50 60 70 80 90 100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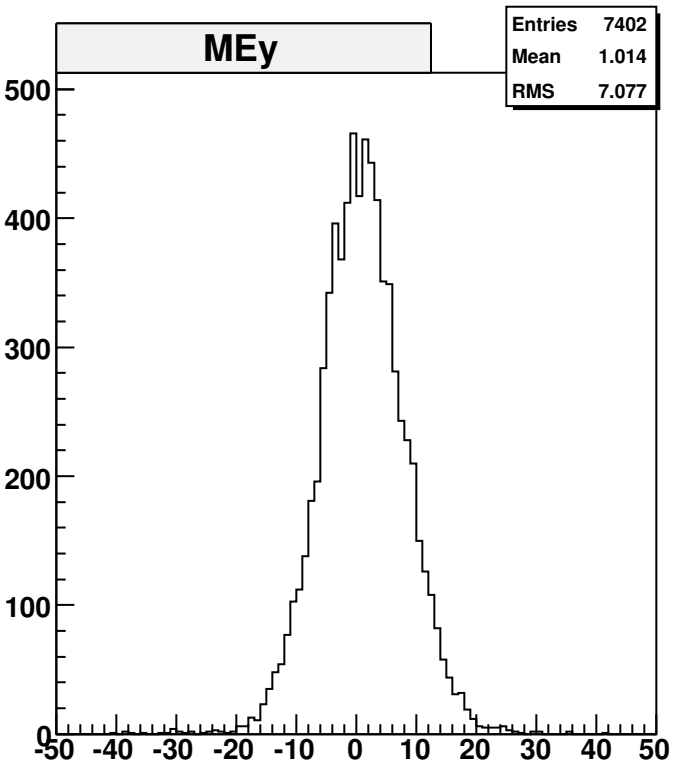
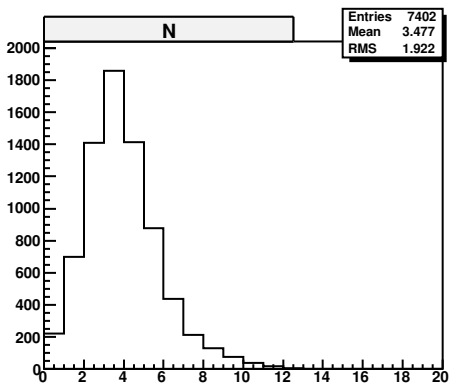
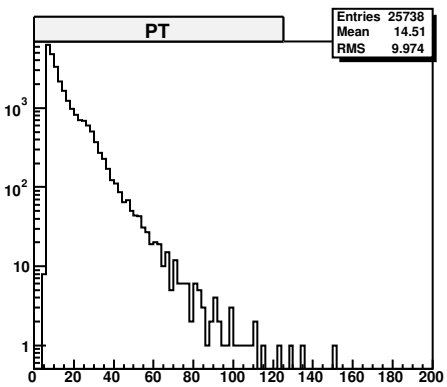
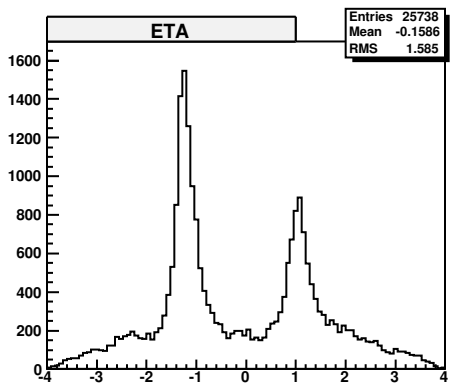
Entries 7402
Mean -18.06
RMS 10.77
300
250
200
150
100
50
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

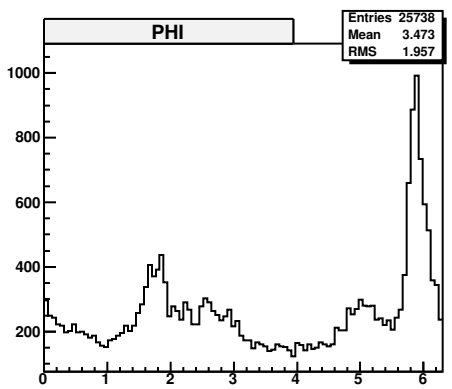

MEy
Entries 7402
Mean 1.014
RMS 7.077
500
400
300
200
100
0
-50 -40 -30 -20 -10 0 10 20 30 40 50

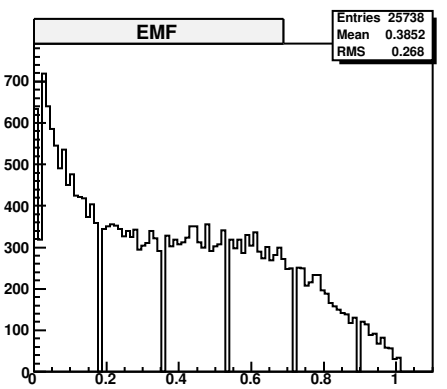
Met (No cuts)

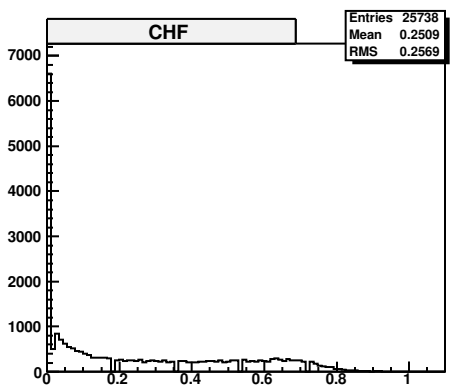


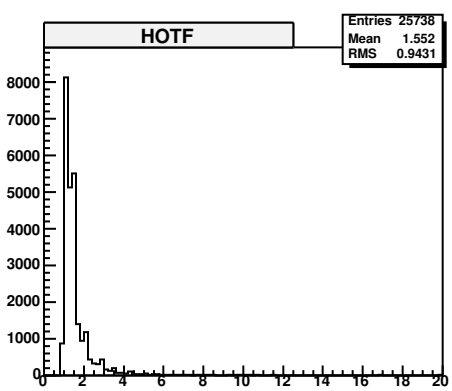


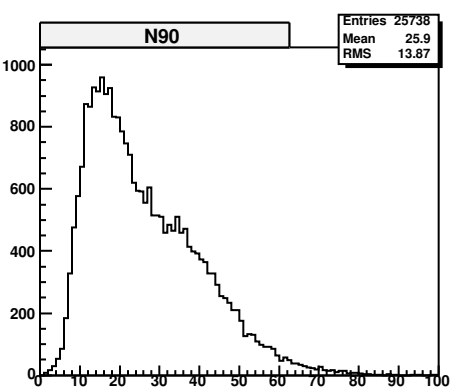


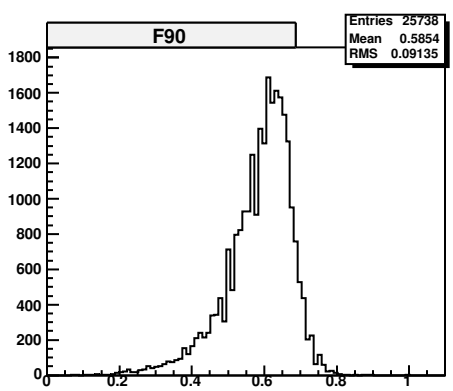


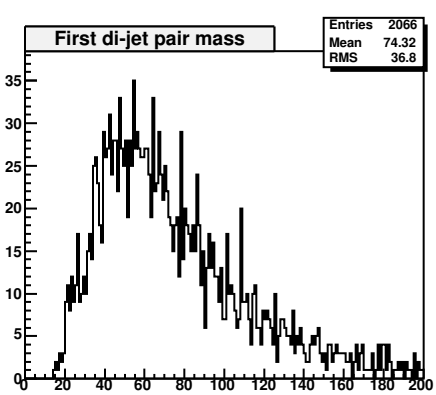


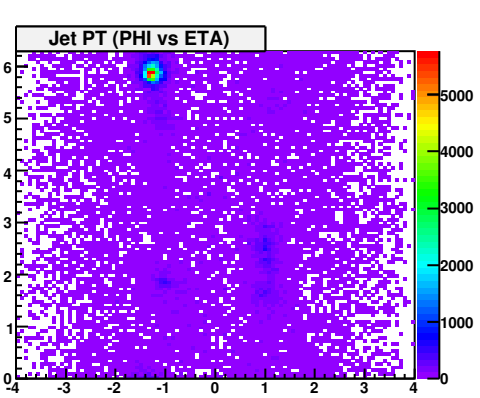




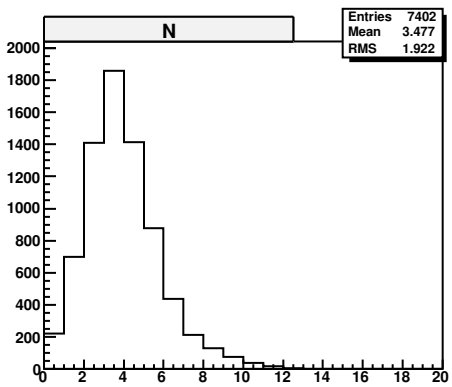


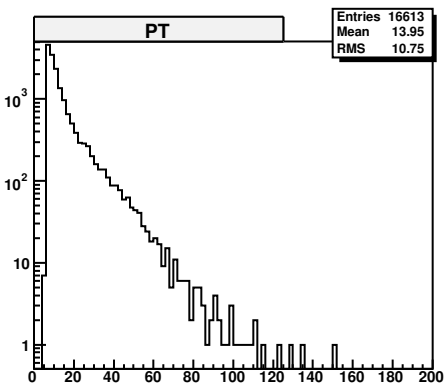


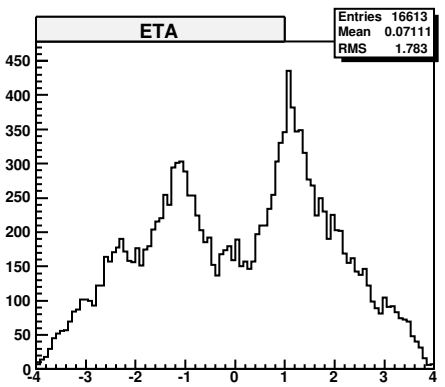


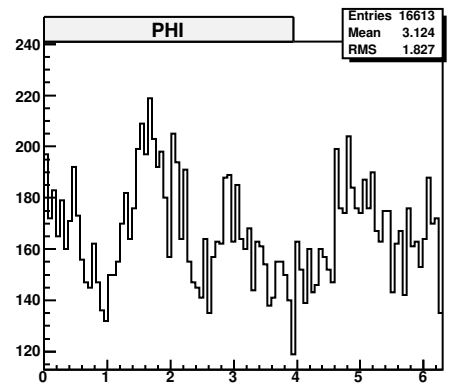


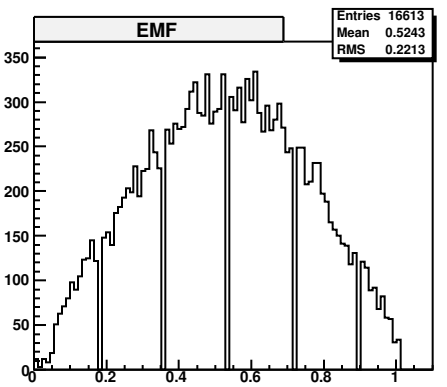
Jets (Cone R 0.7 (no cuts))

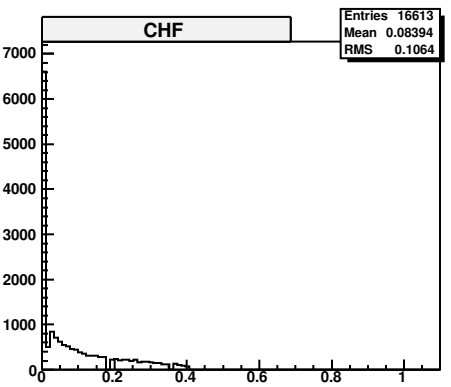


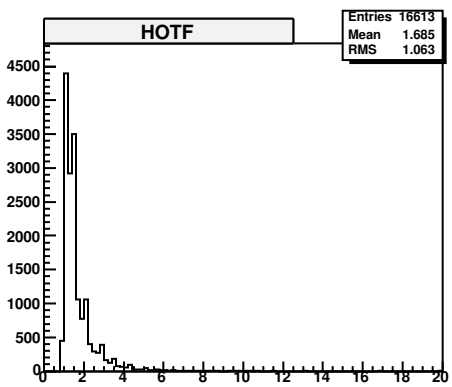


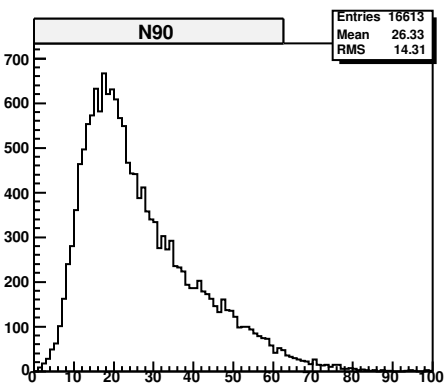


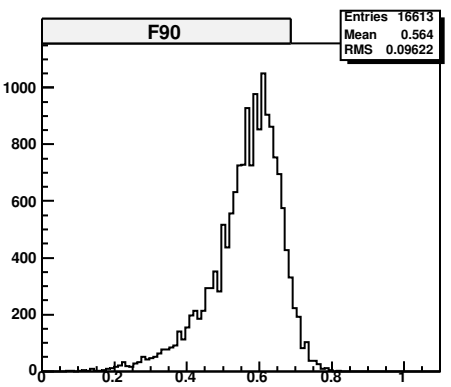


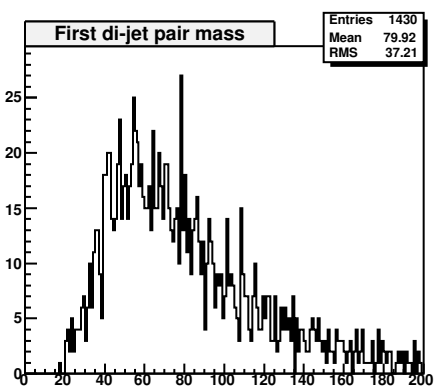


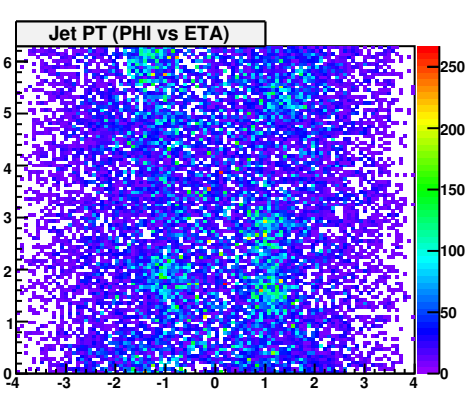




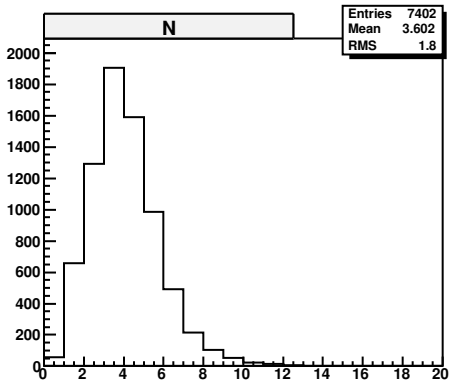


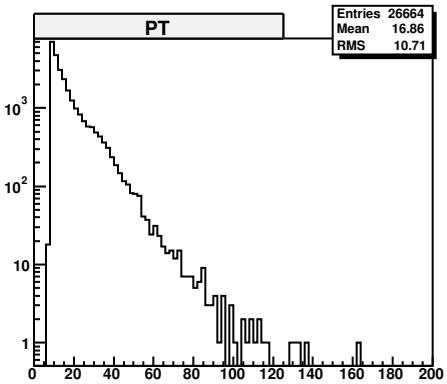


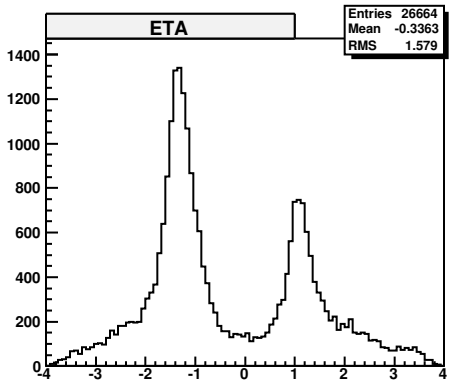


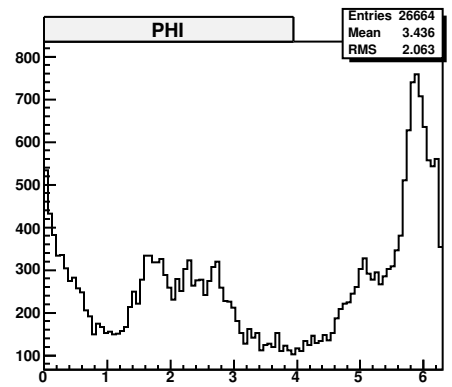


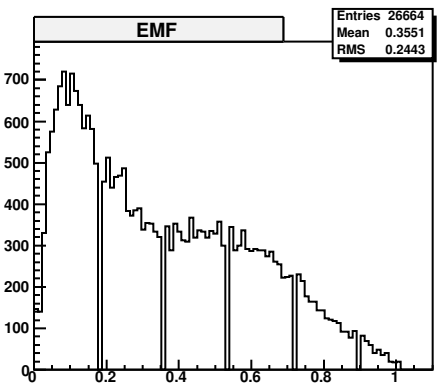
Jets (Cone R 0.7 (standard cuts))

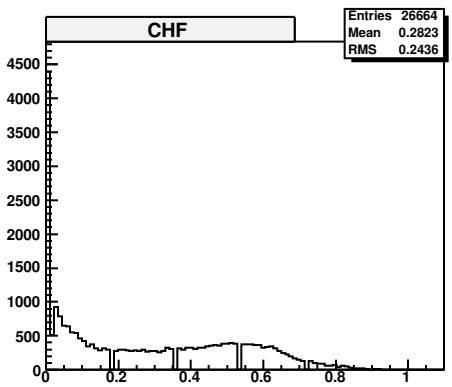


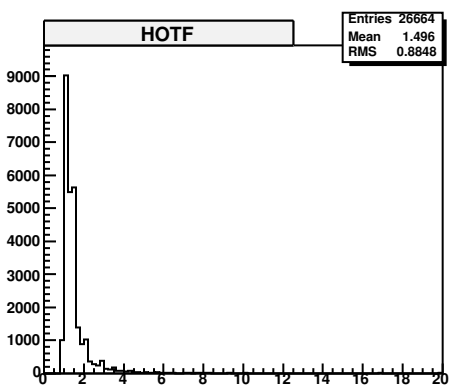


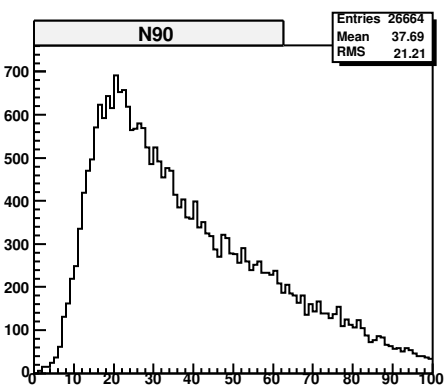


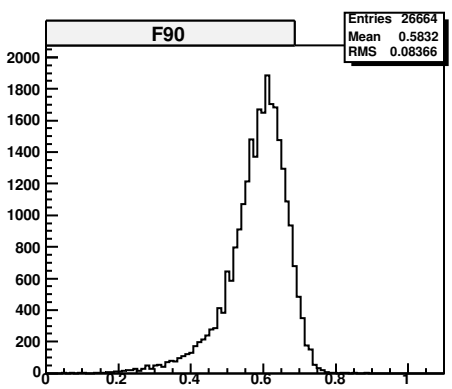


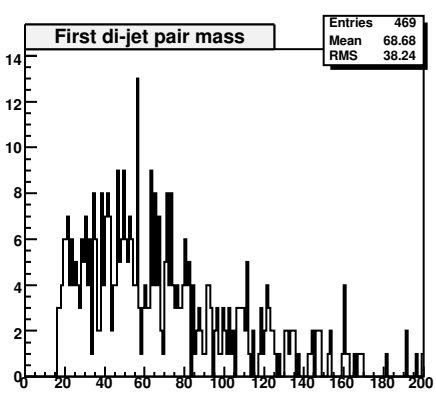


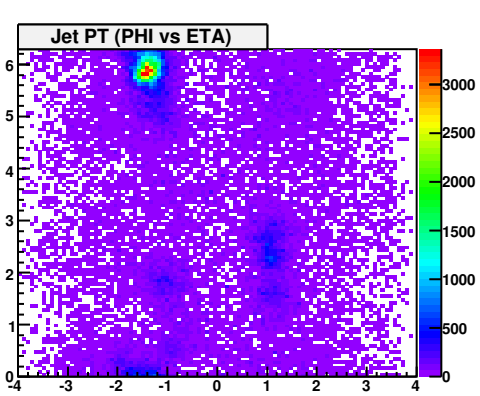




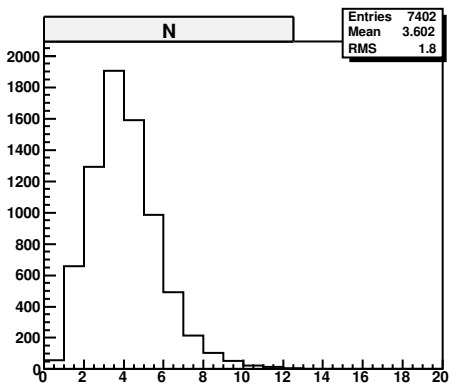


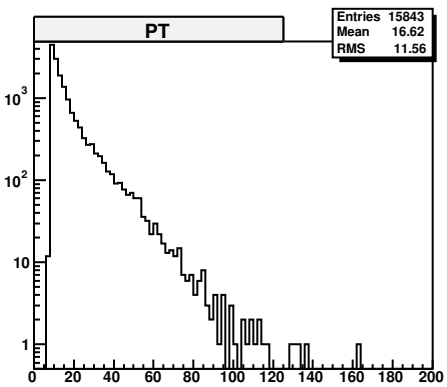


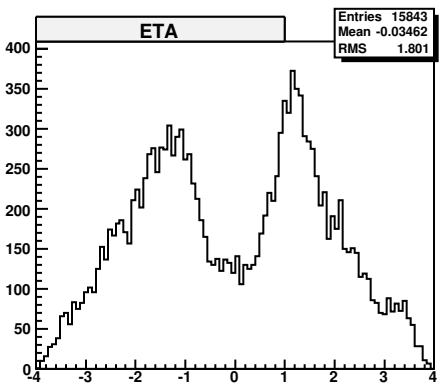


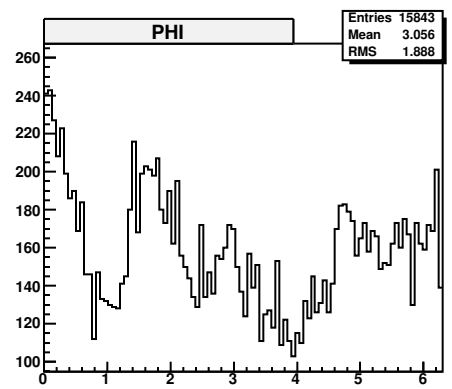


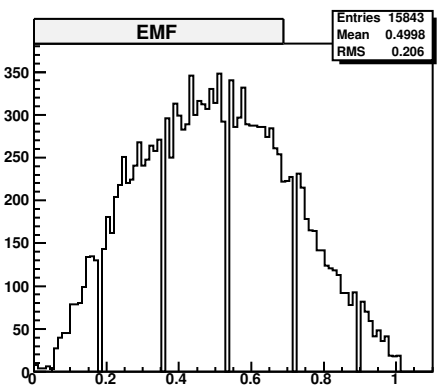
Jets (KT D 1 (no cuts))

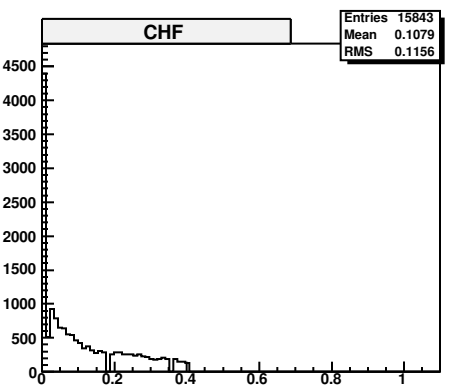


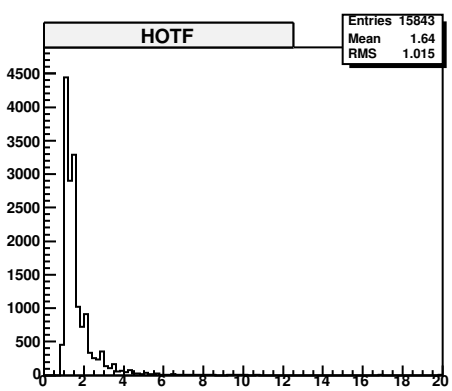


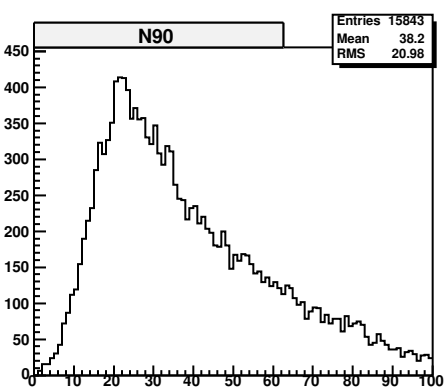


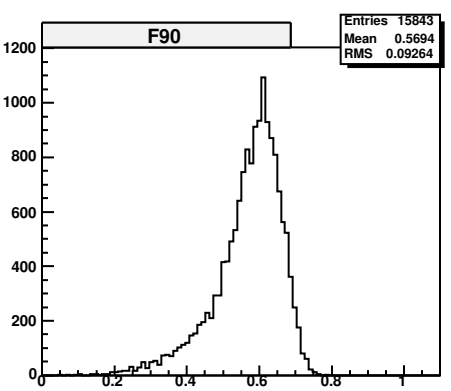


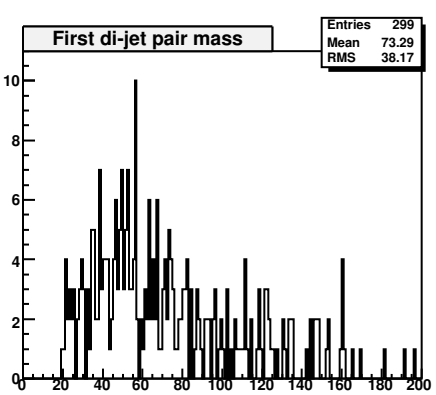


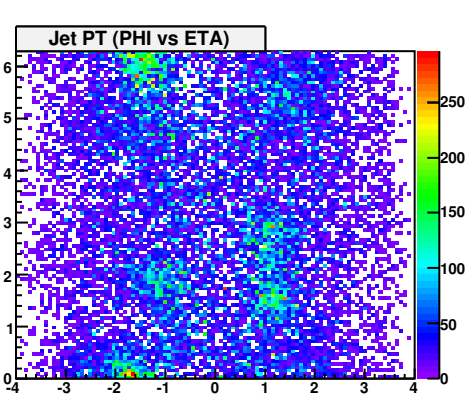




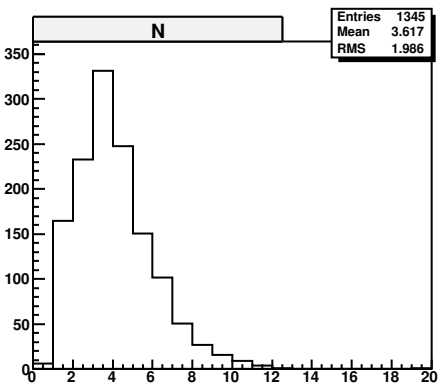


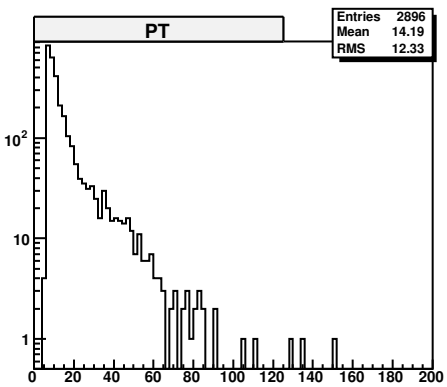


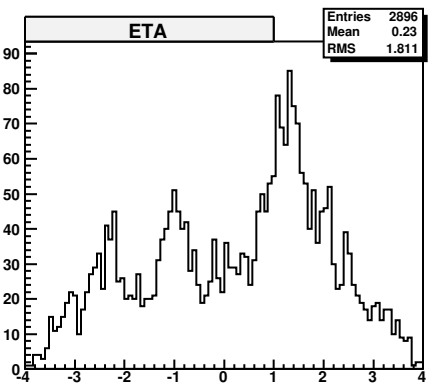


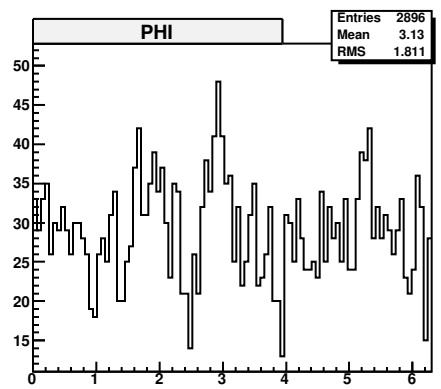


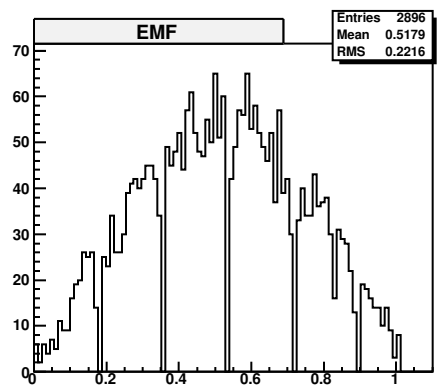
Jets (KT D 1 (standard cuts))

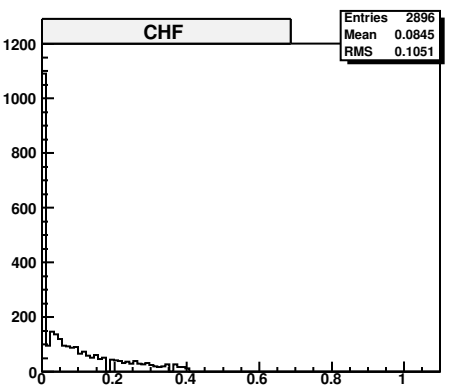


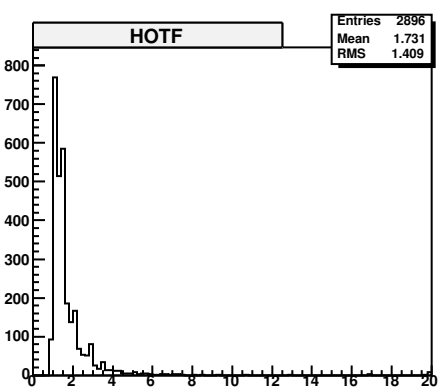


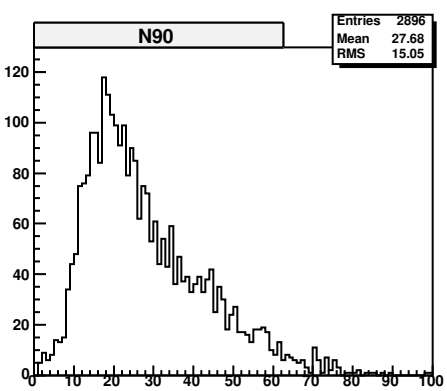


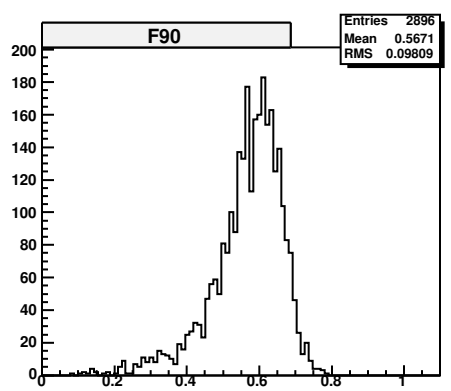


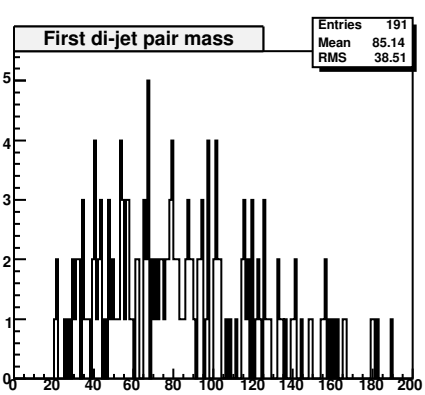


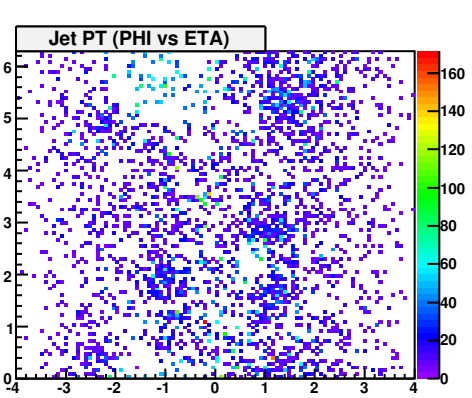




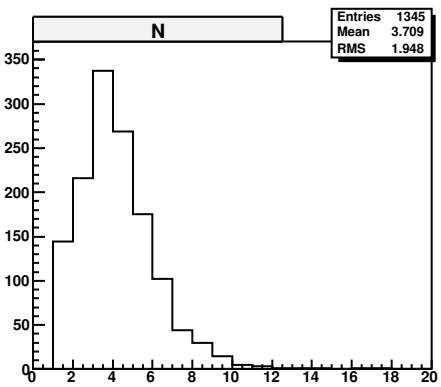


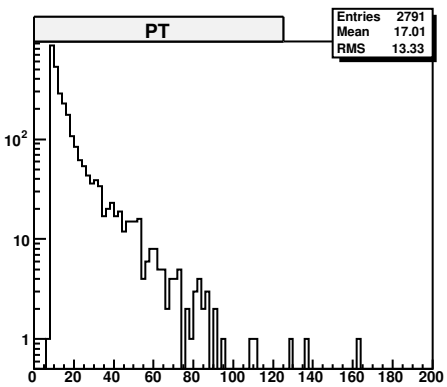


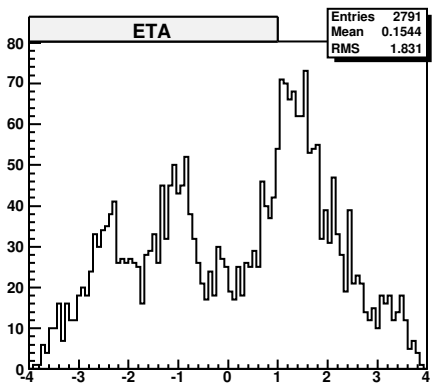


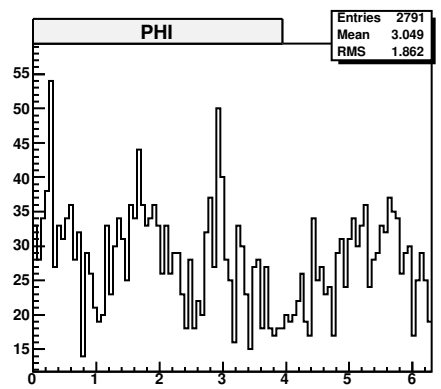


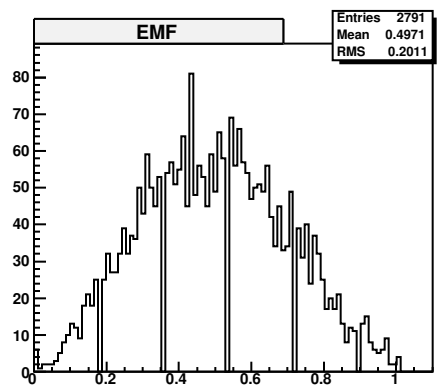
Jets (Cone R 0.7 (standard cuts, MET>30))

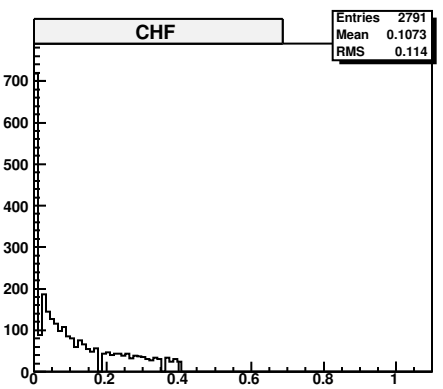


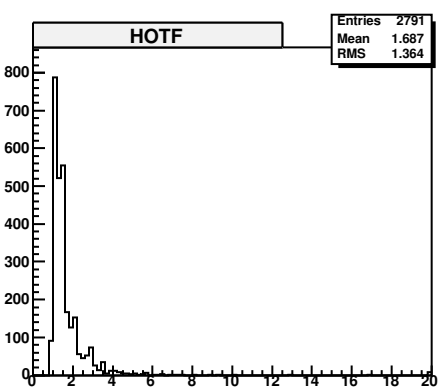


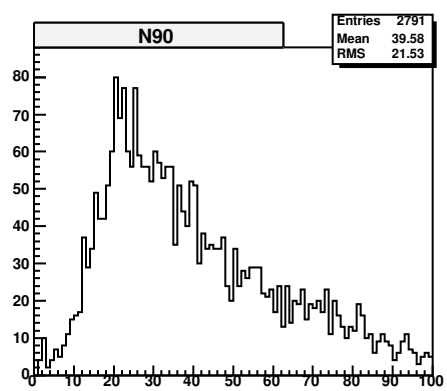


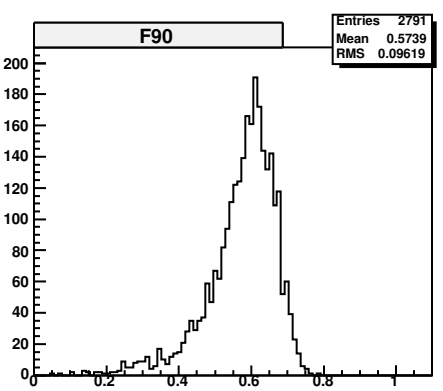


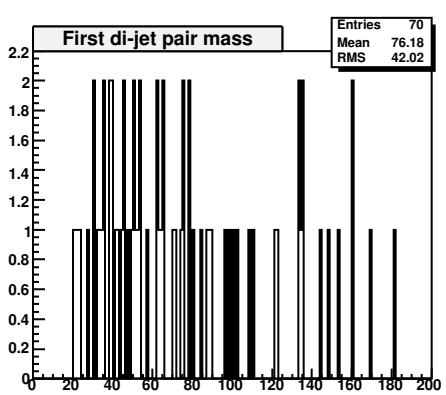


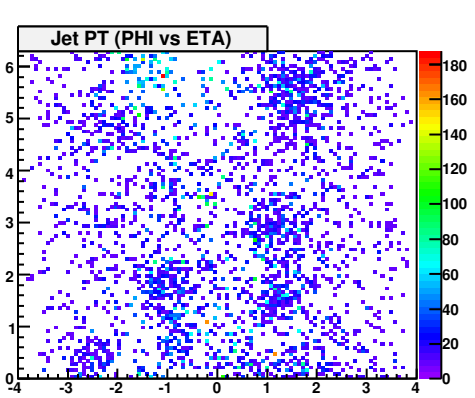




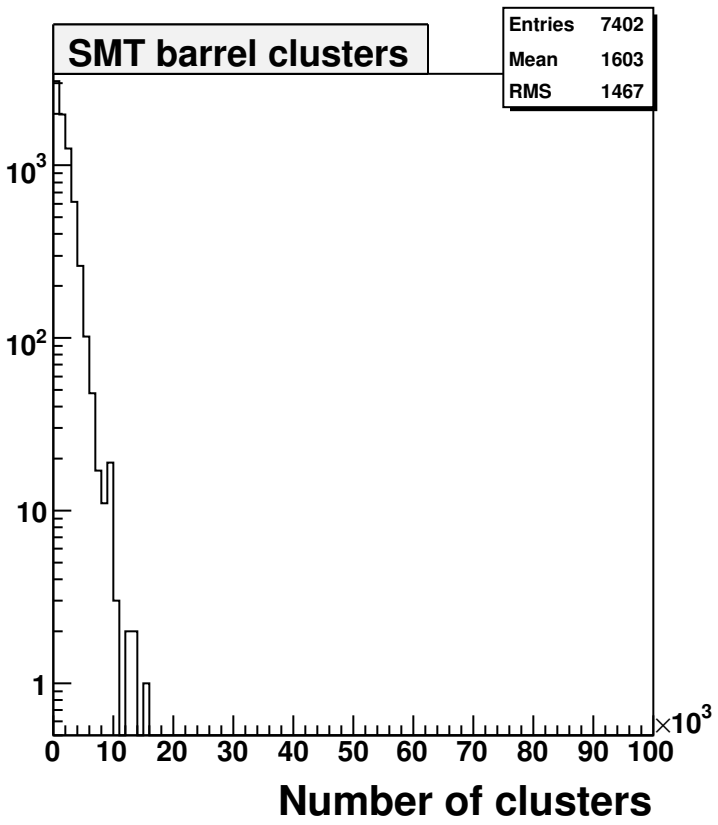


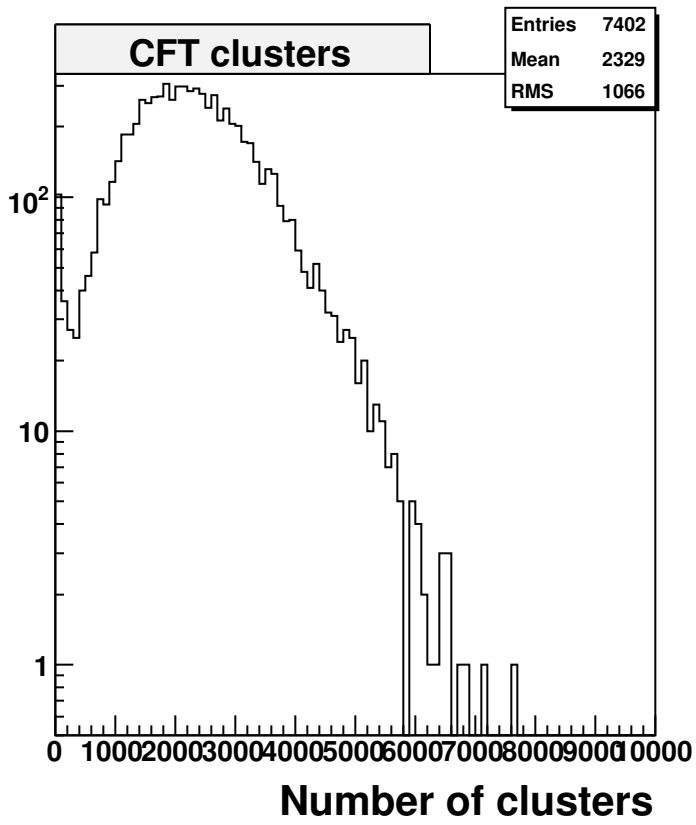


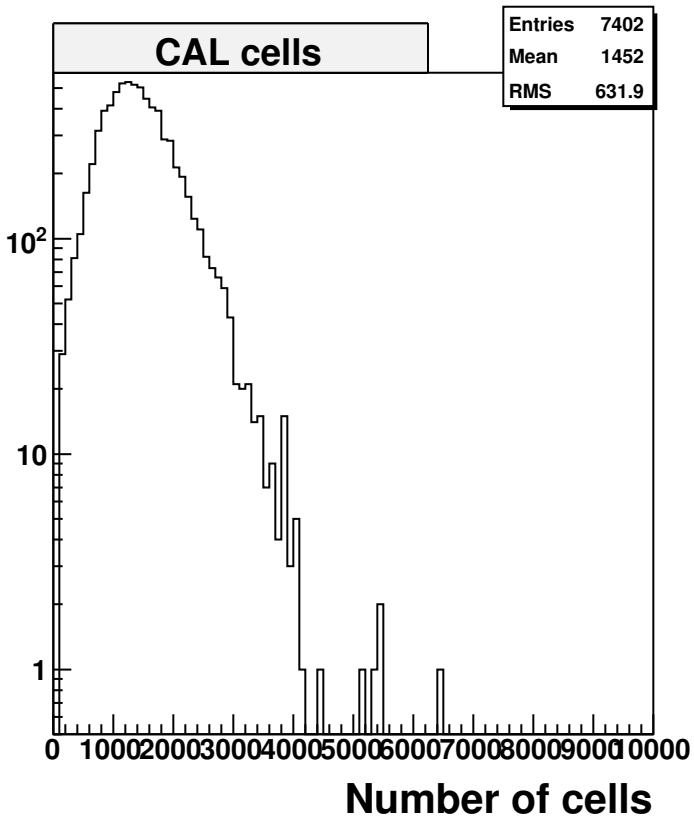


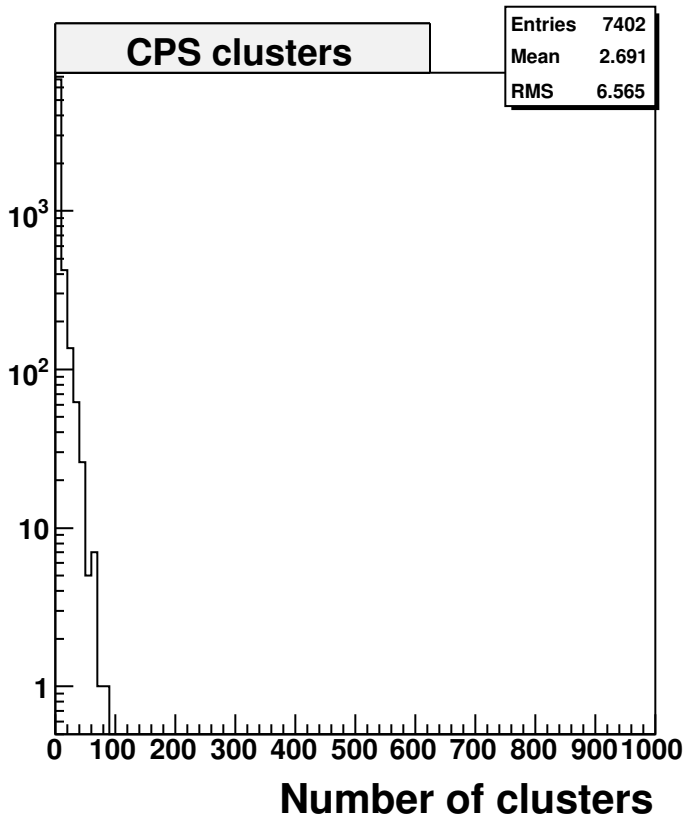


Jets (KT D 1 (standard cuts, MET>30))

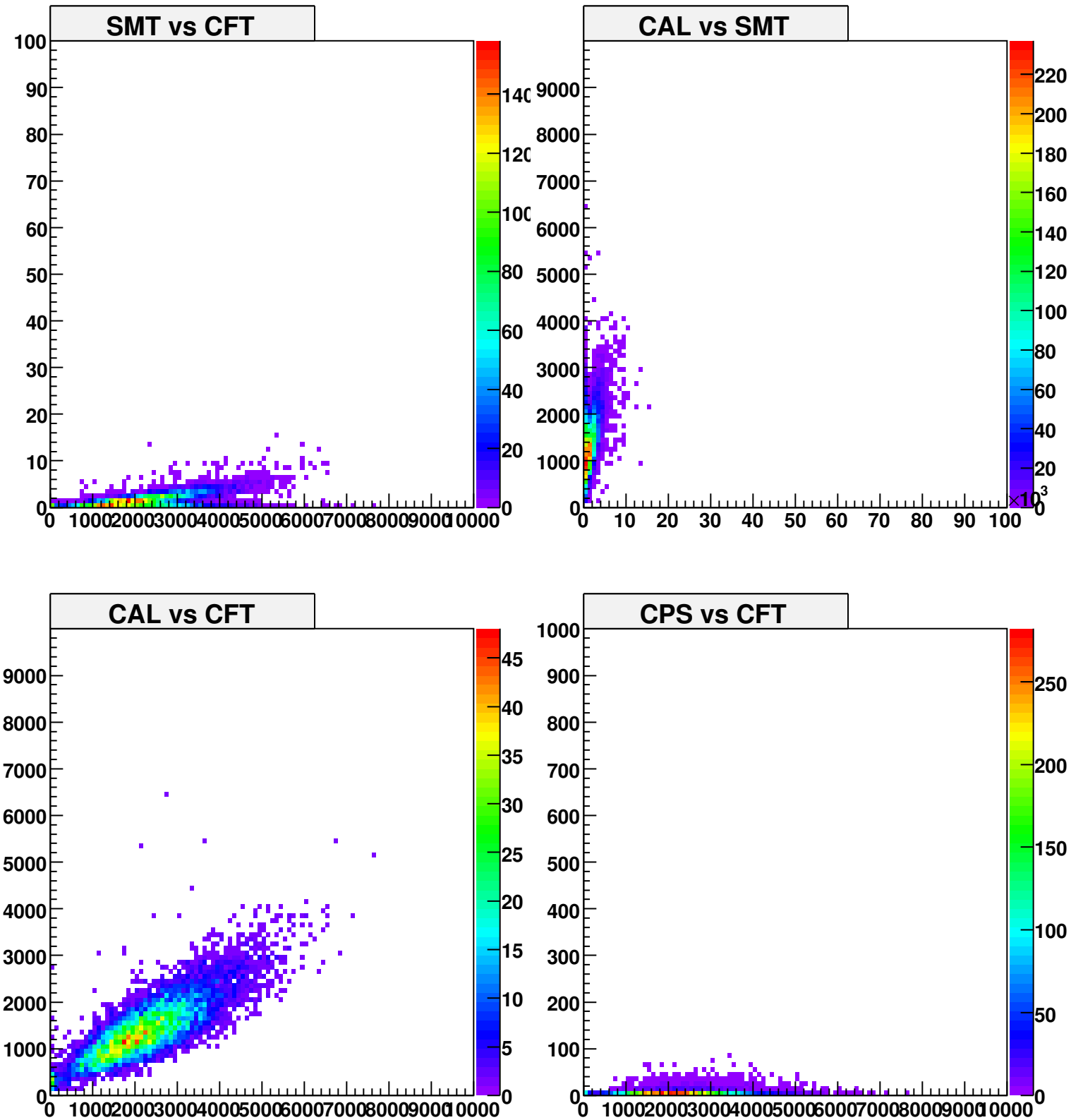


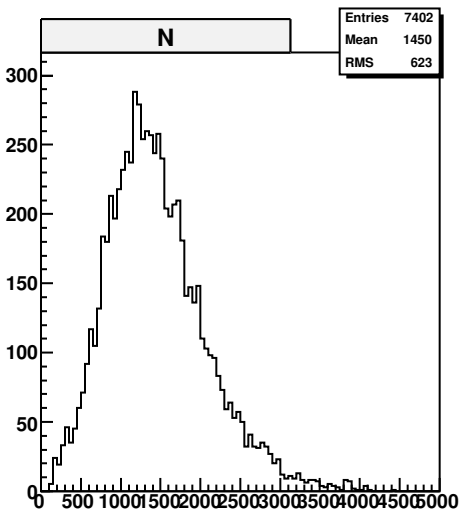


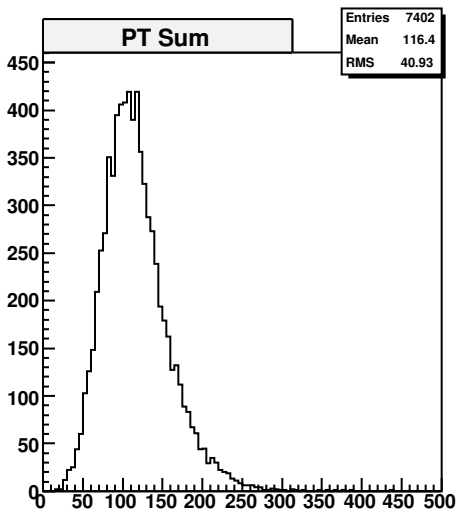


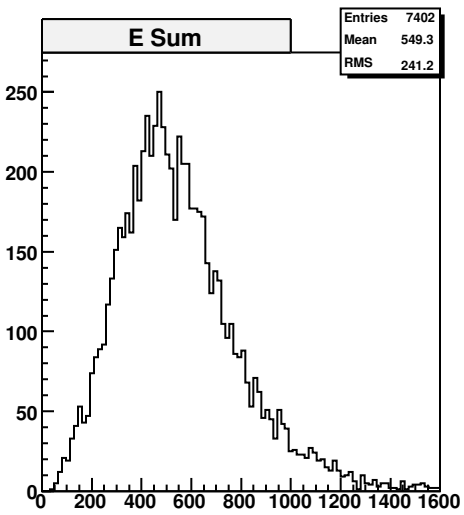


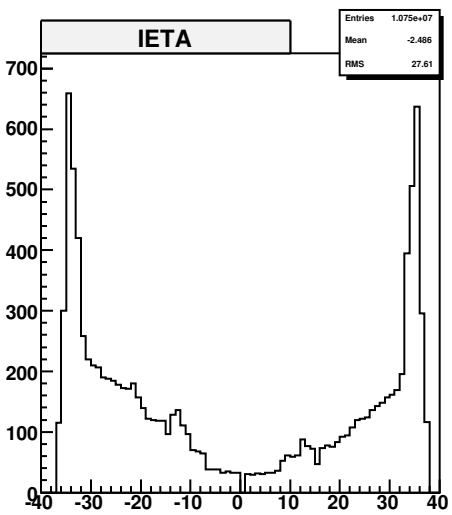
Detector Occupancy (Detector)

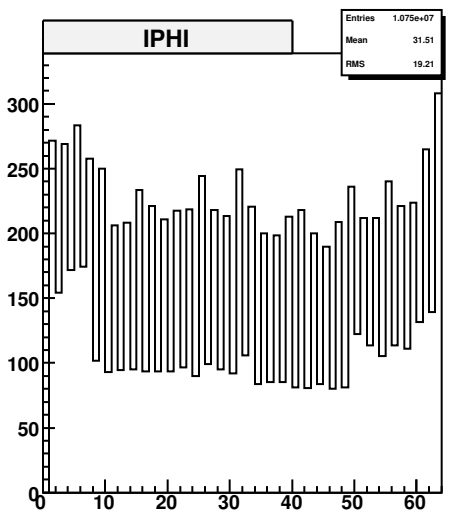

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

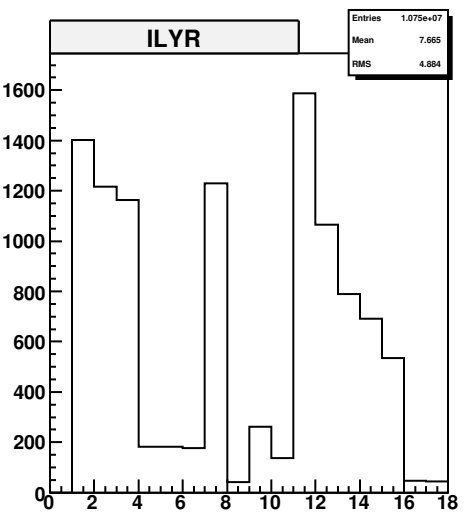


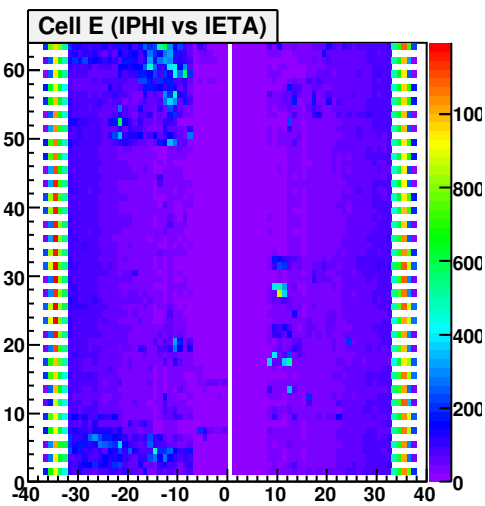


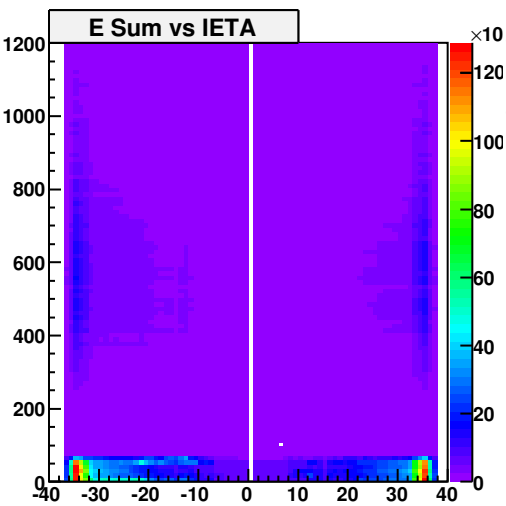


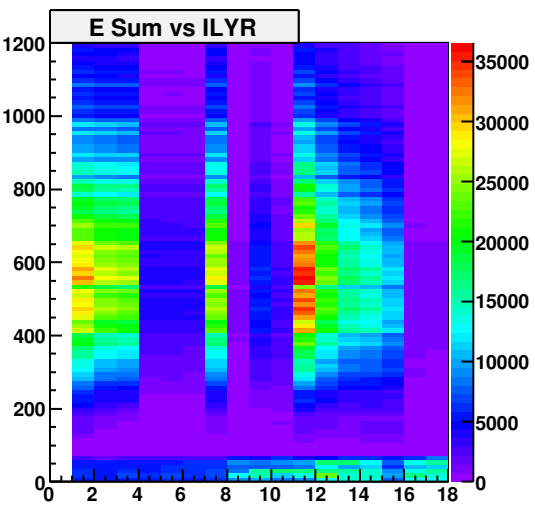




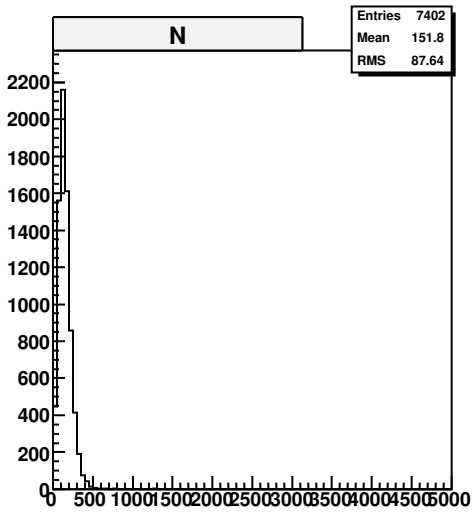


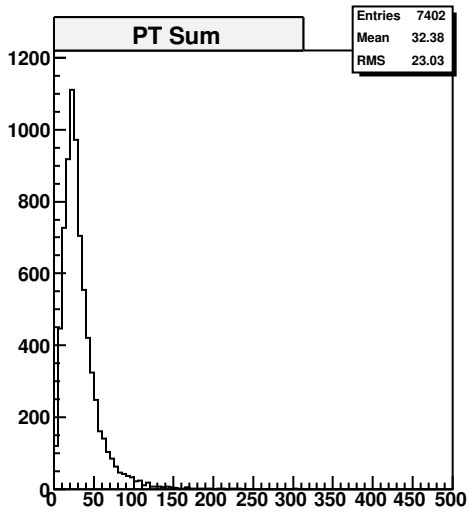


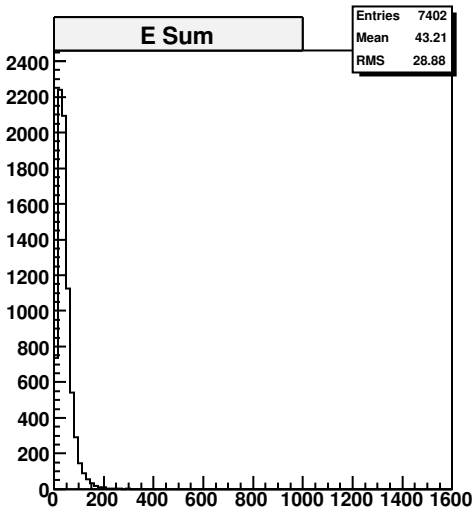


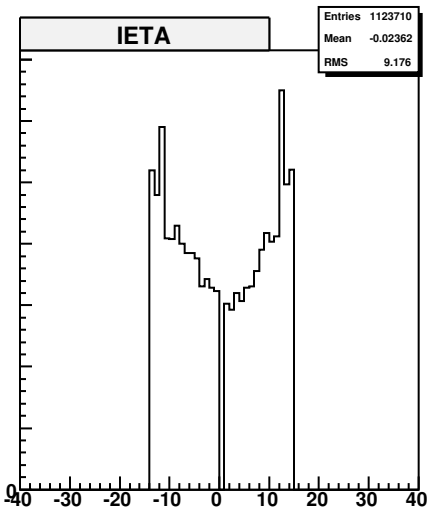


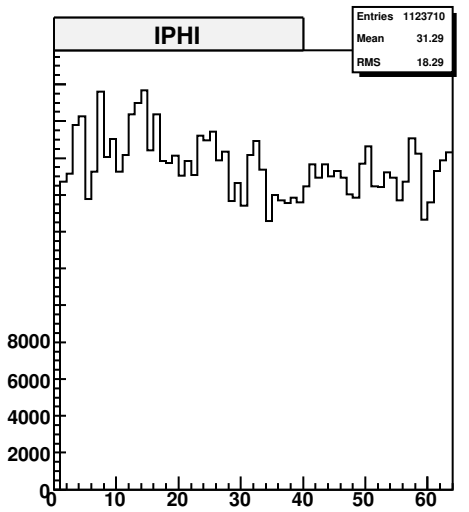
Calorimeter (All cells)

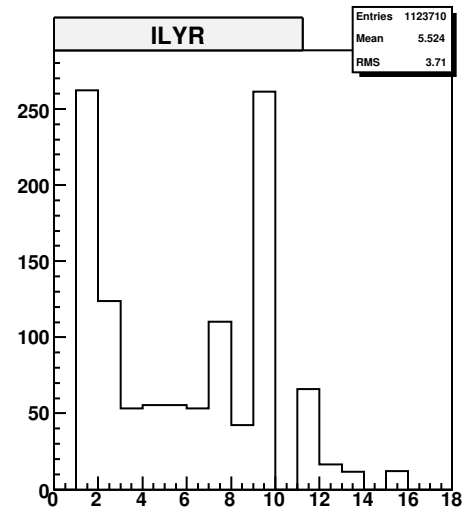


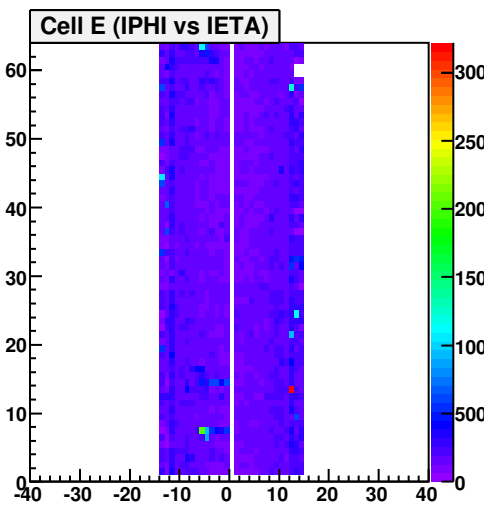


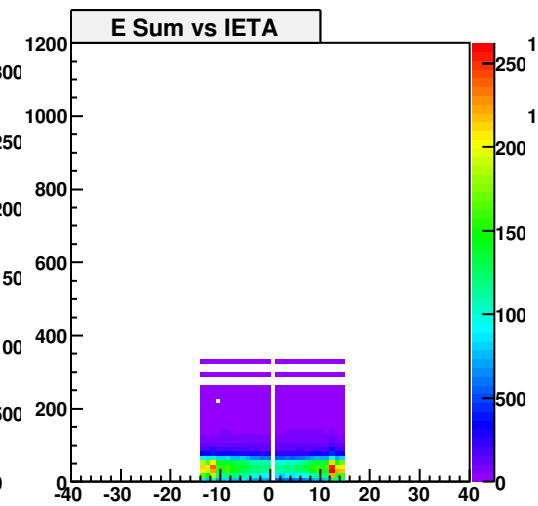


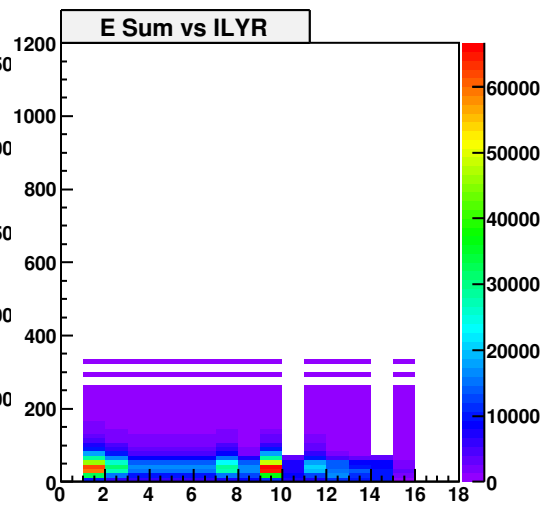




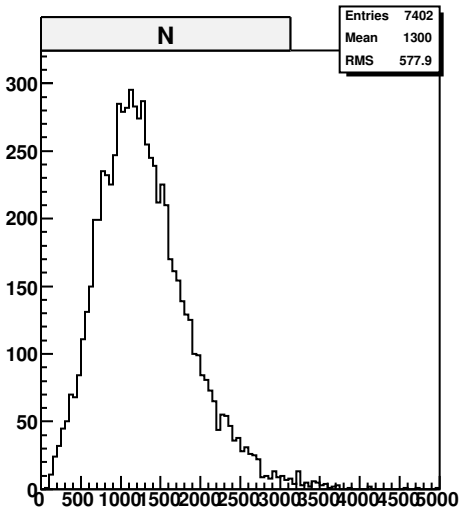


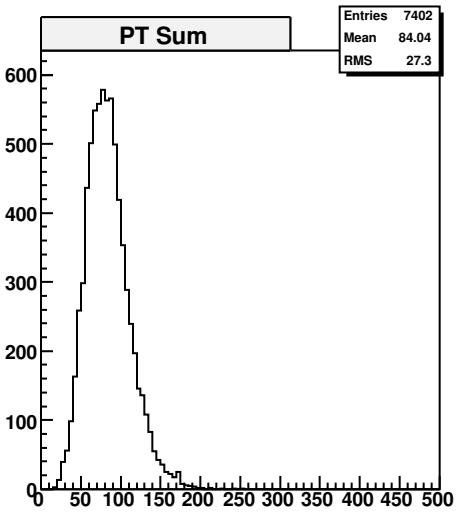


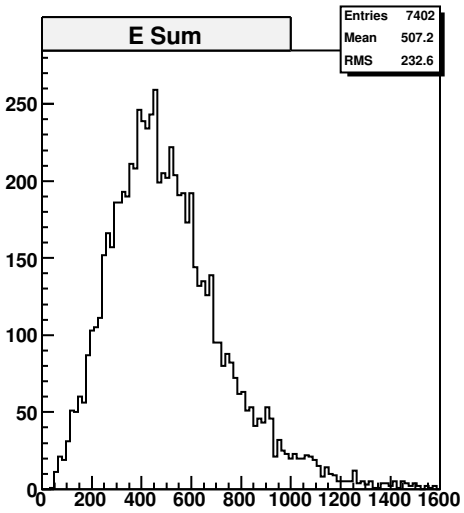


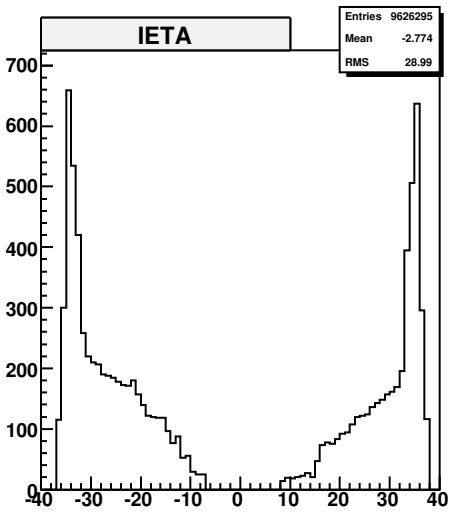


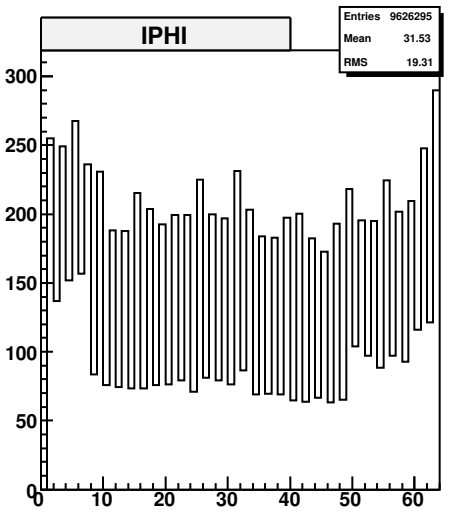
Calorimeter (All CC cells)

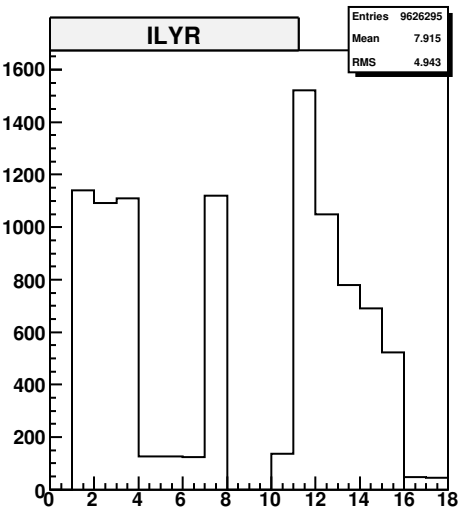


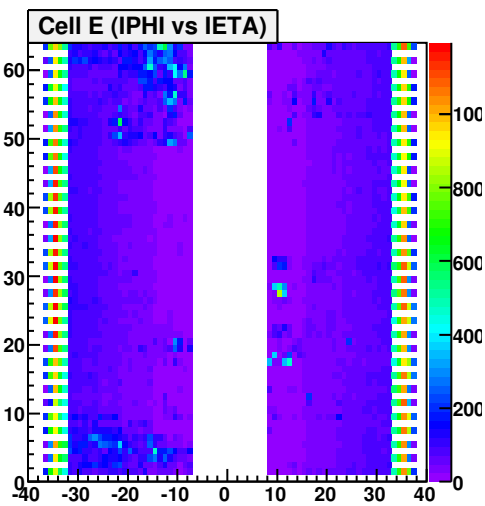


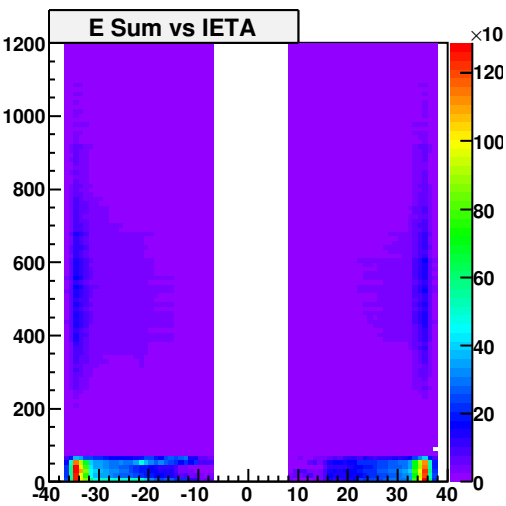


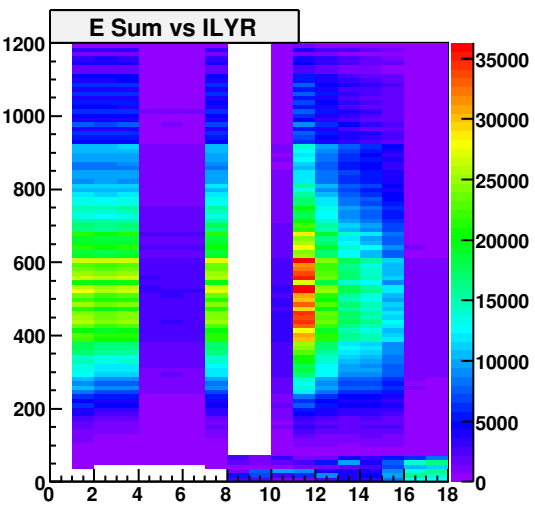




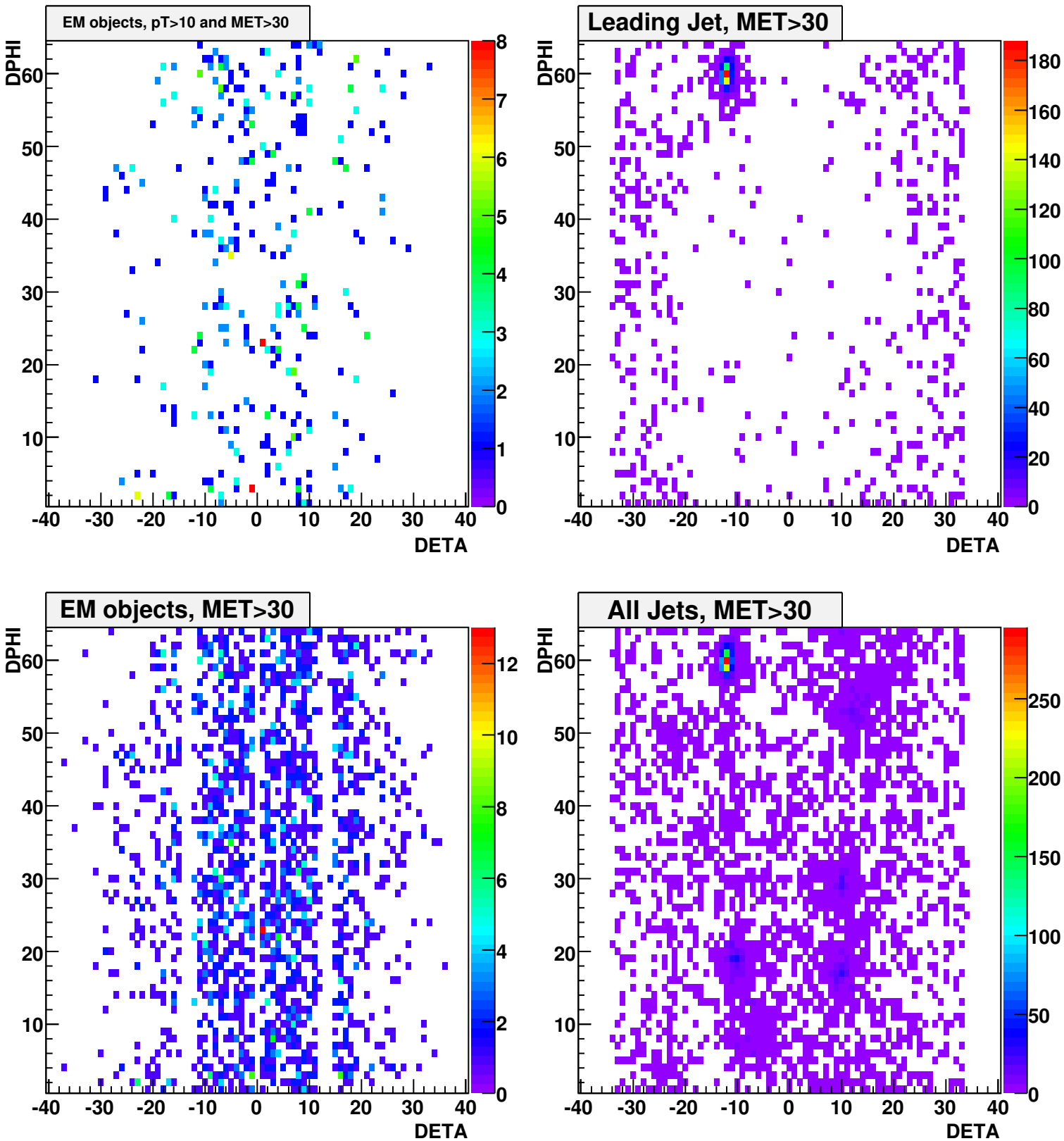




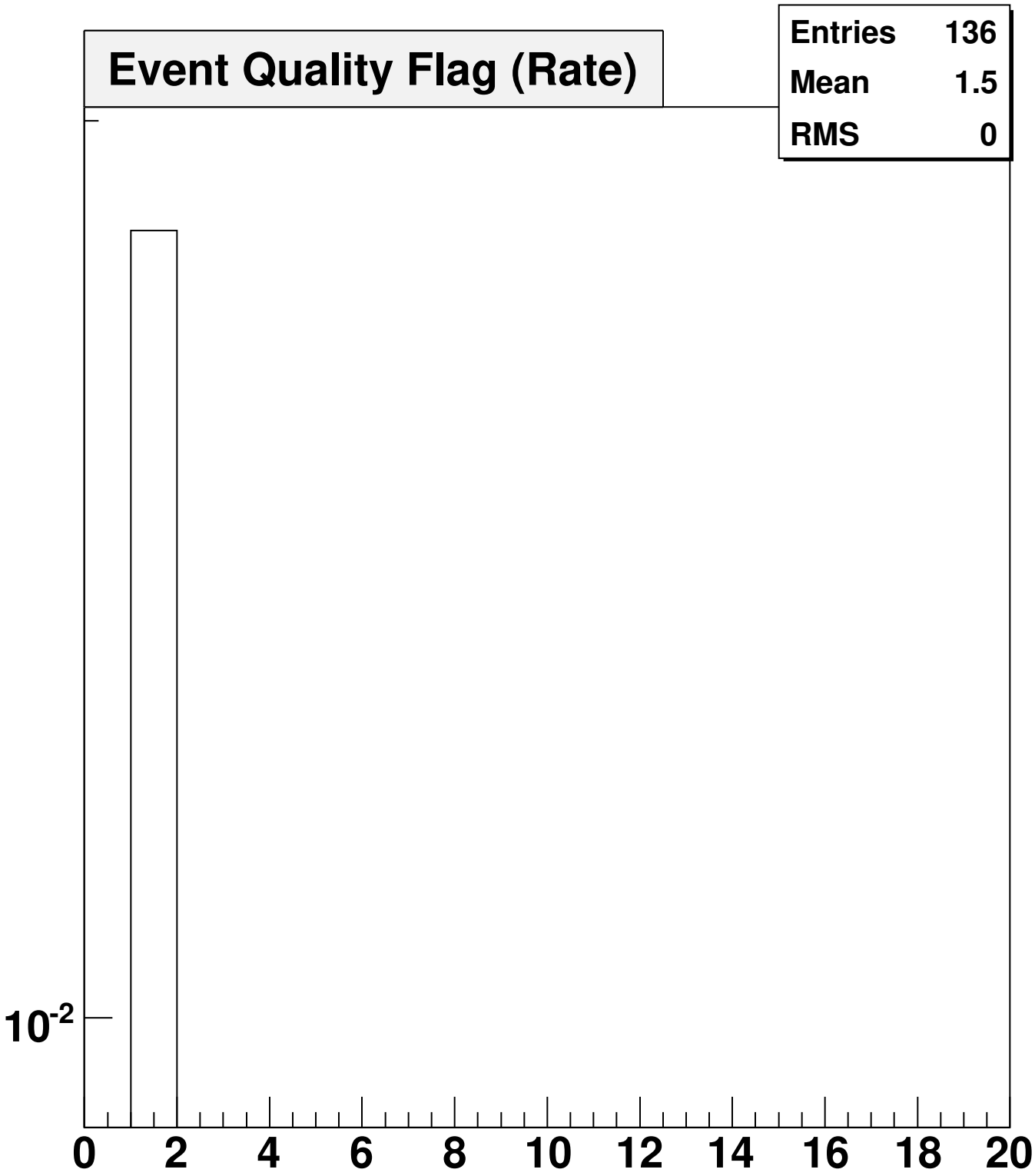


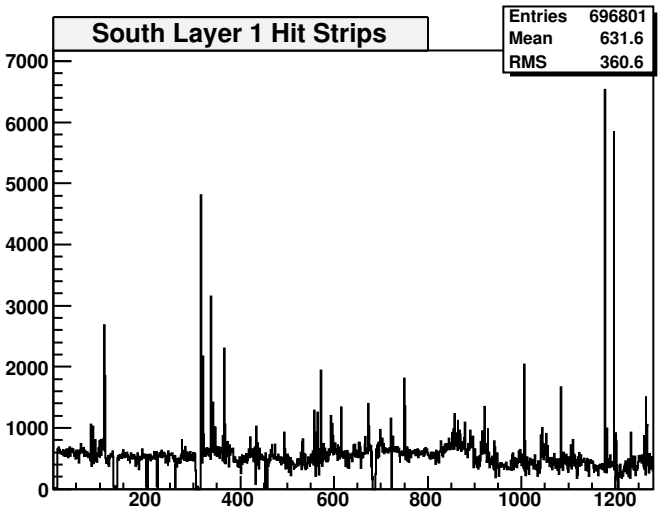


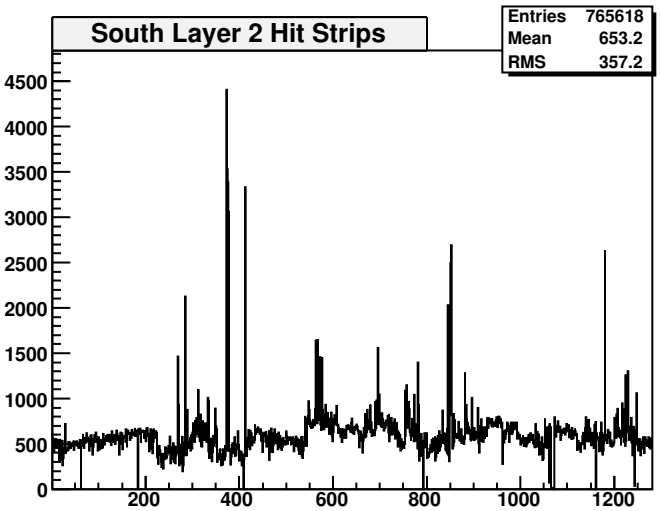
Calorimeter (All EC cells)

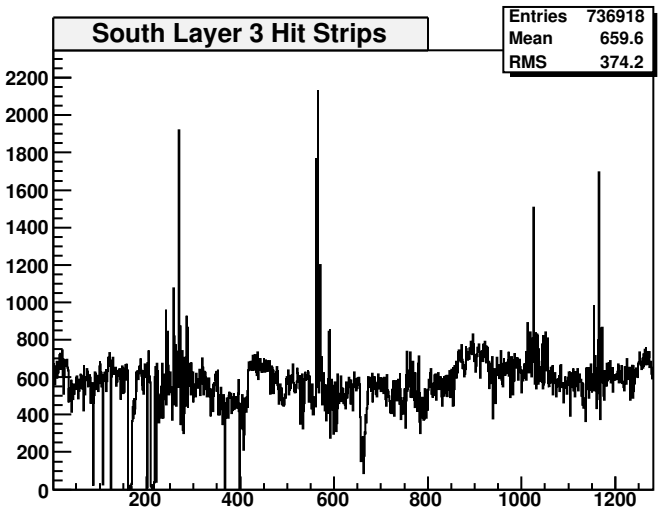


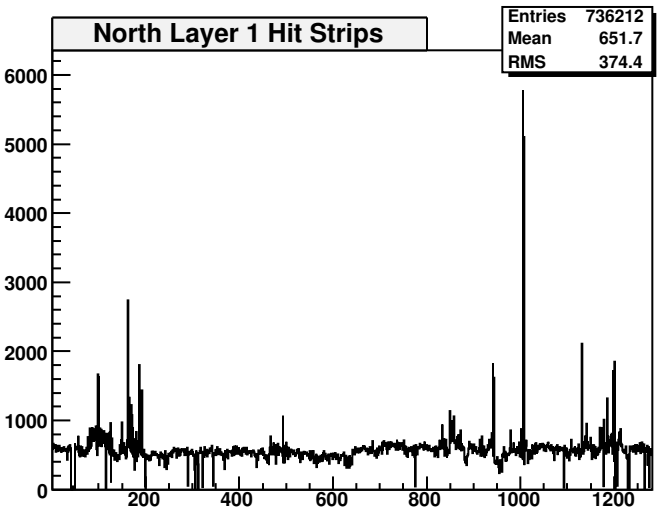
Cal Objects with MET>30 (All cells)

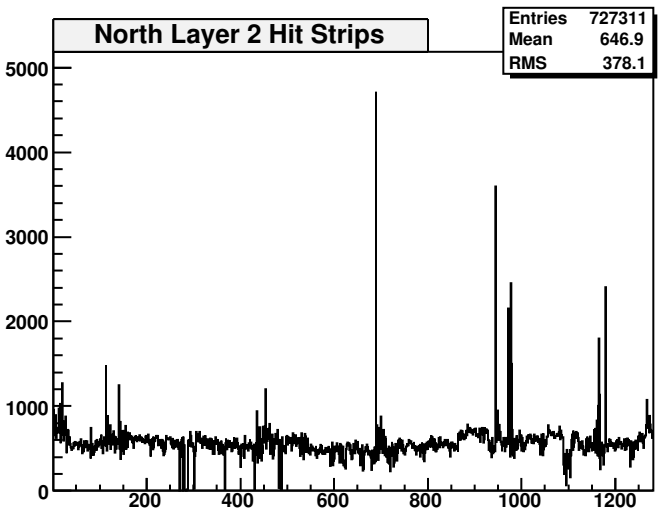

Event Quality Flag (Rate)
Entries 136
Mean 1.5
RMS 0
10^{-2}
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

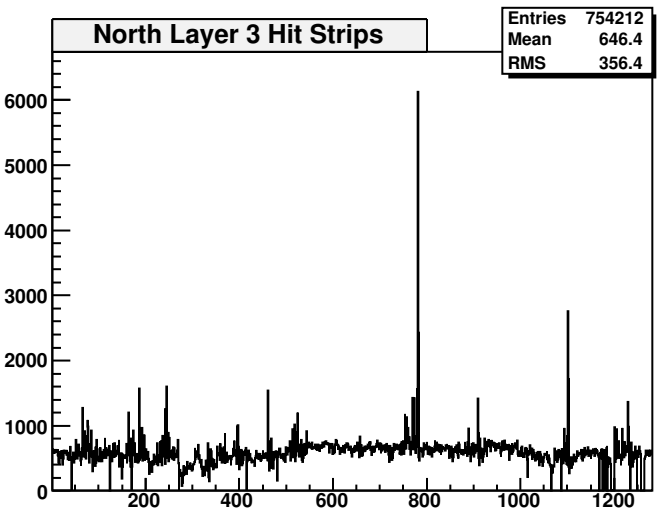




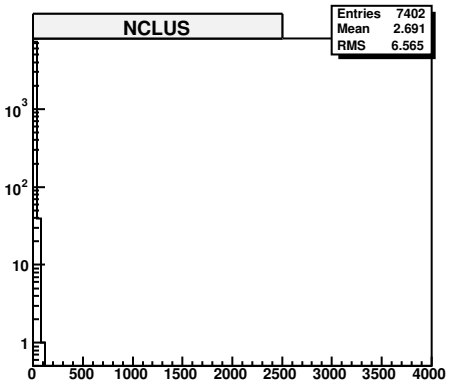


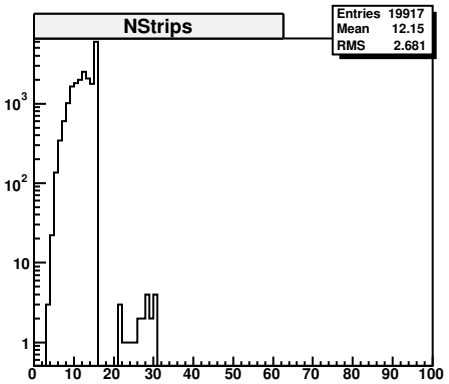


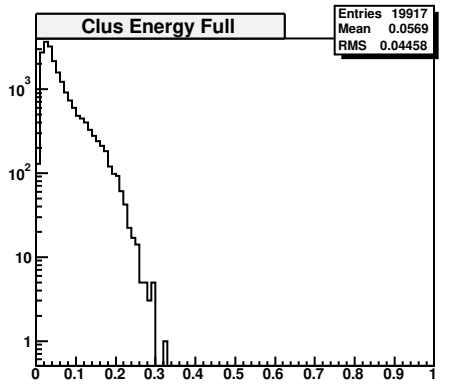


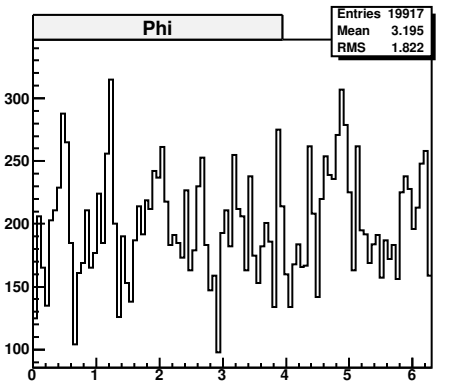


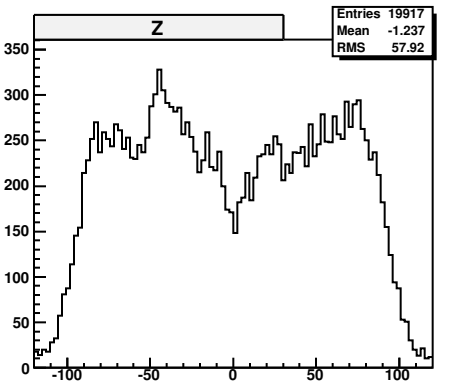
CPS Hit Strips (All Clusters)

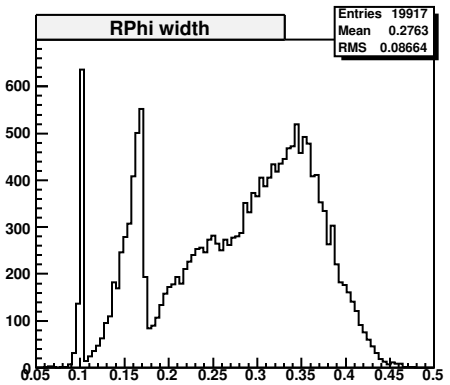


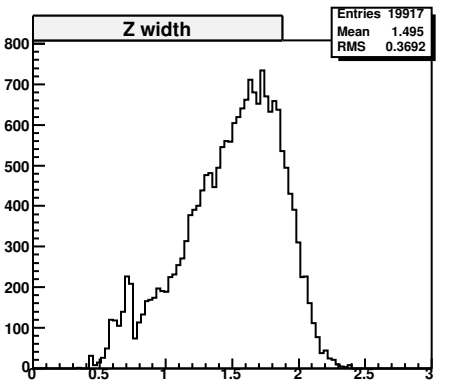


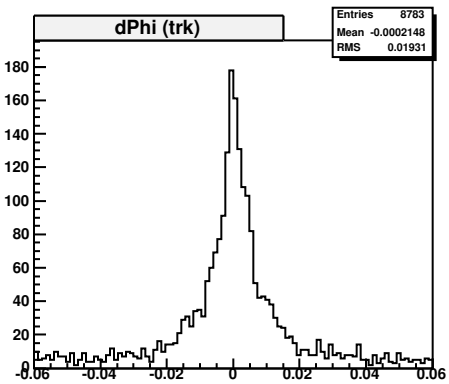


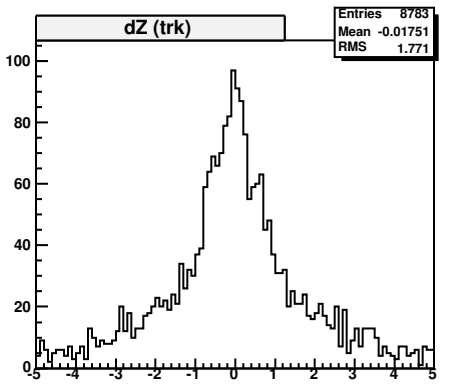


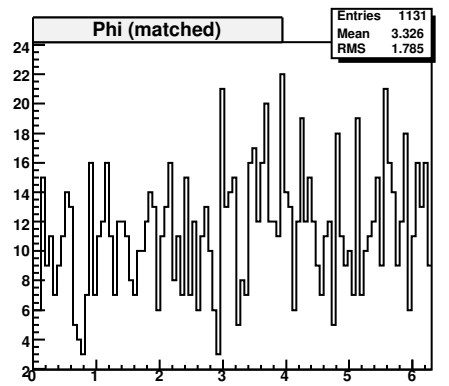


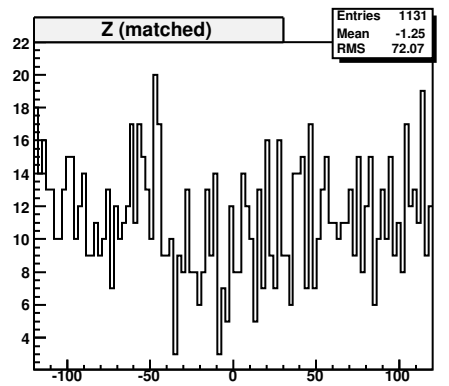




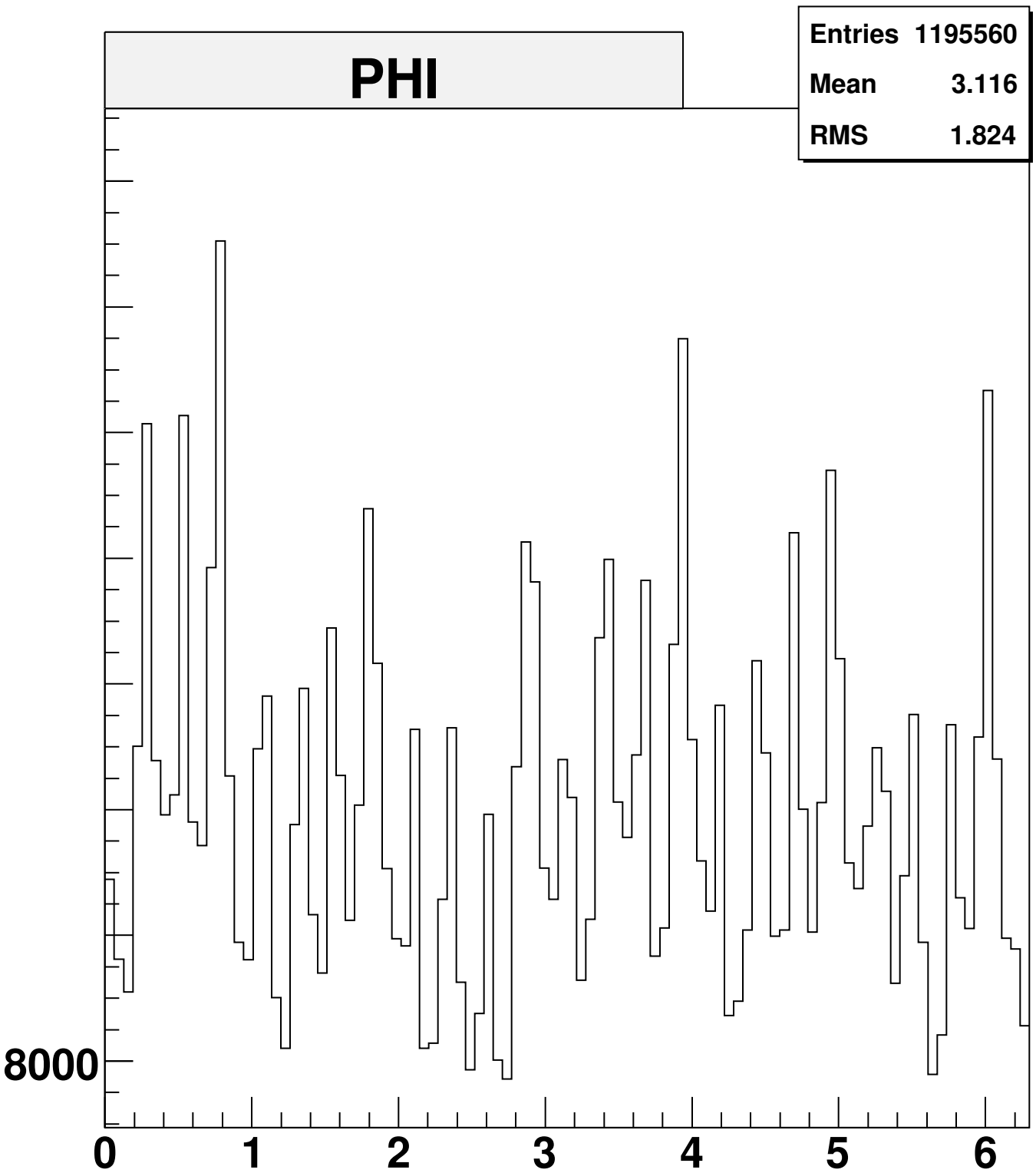


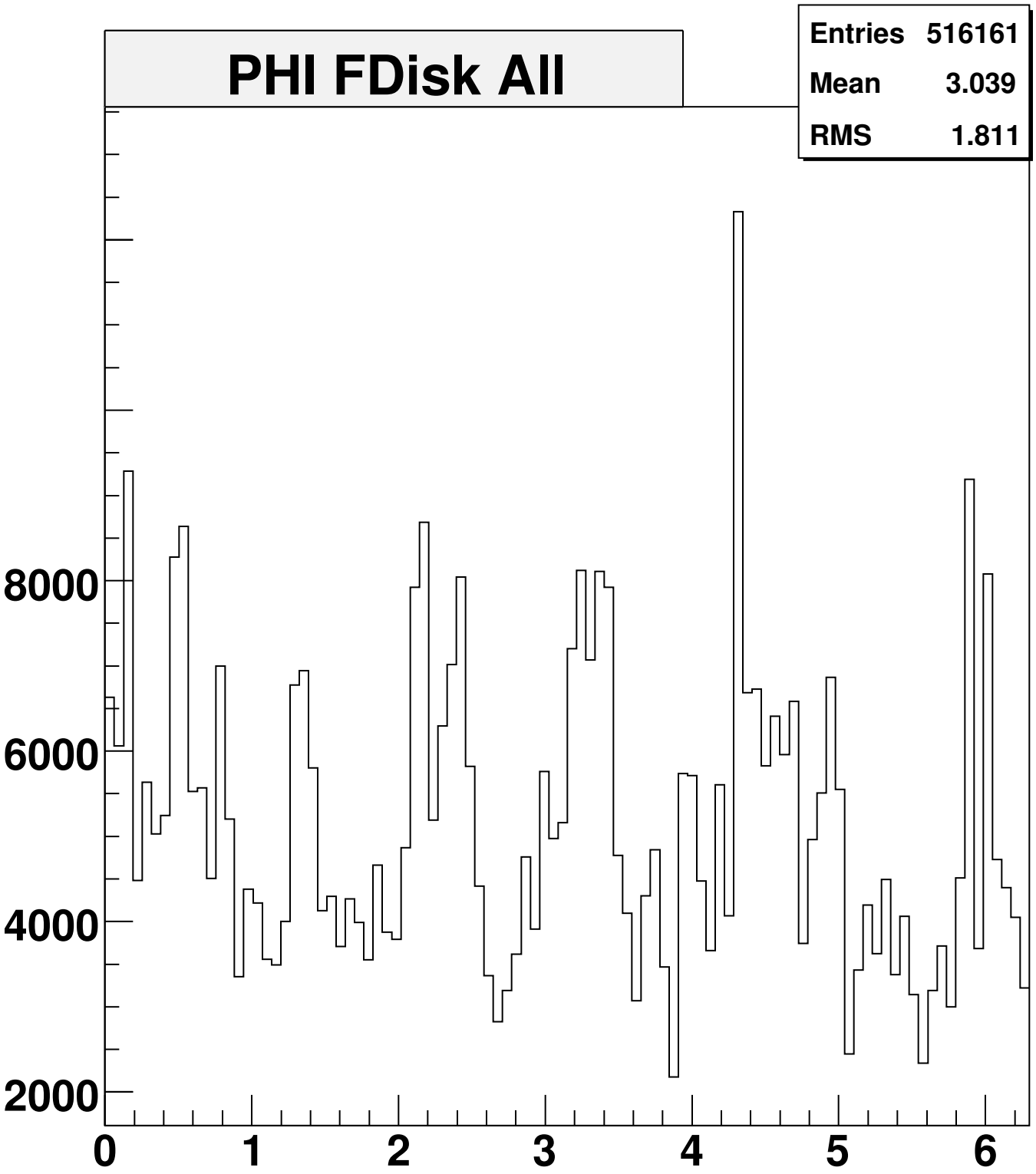


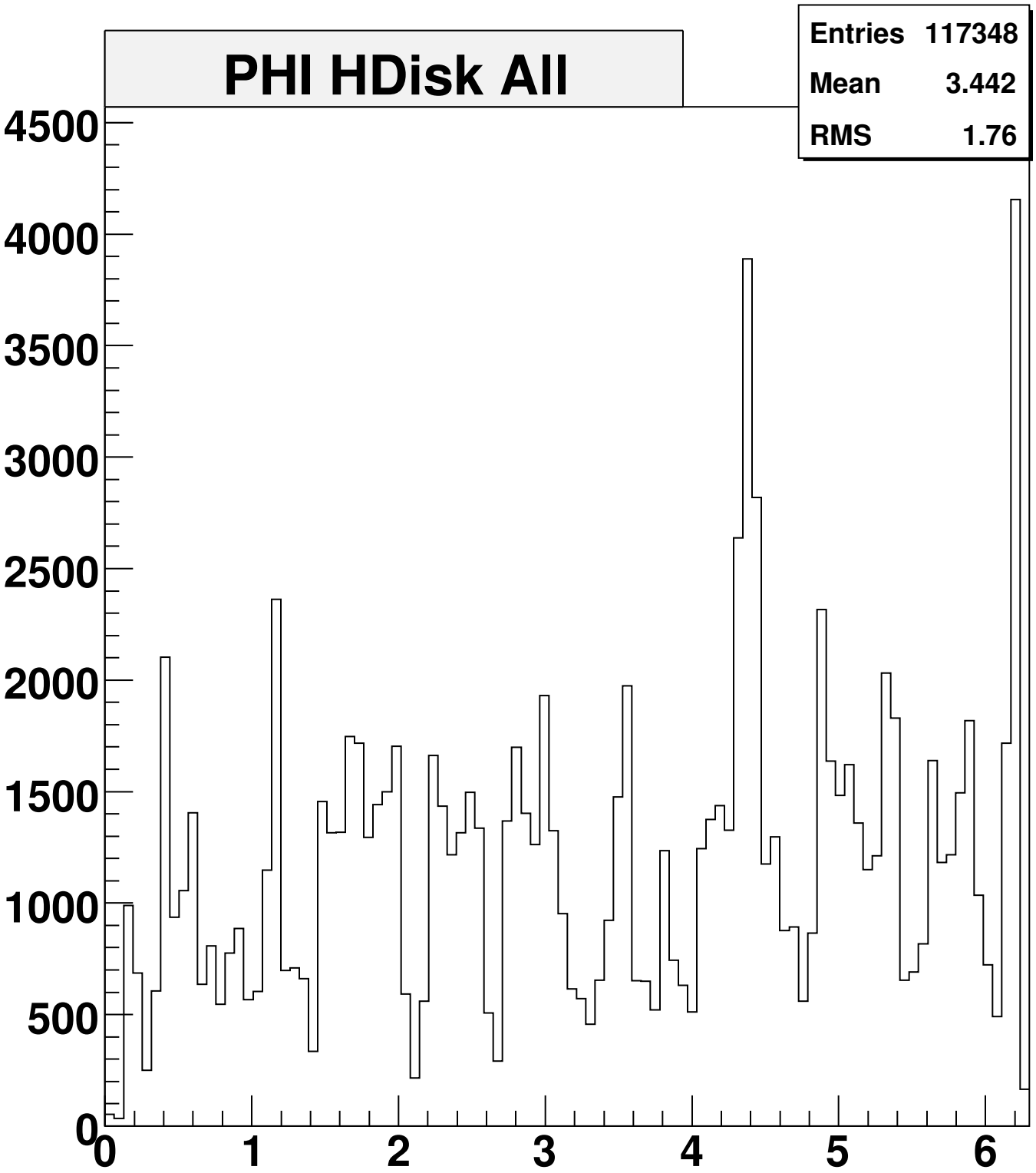


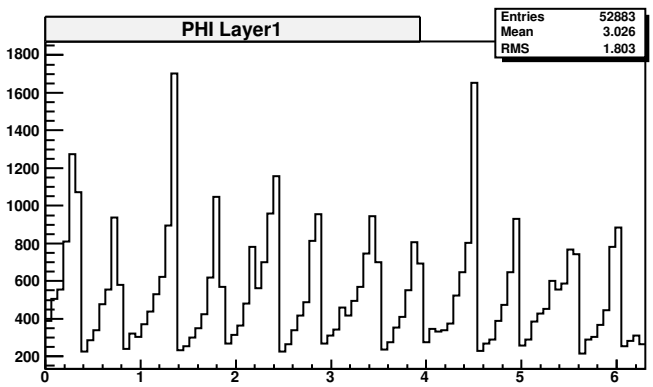


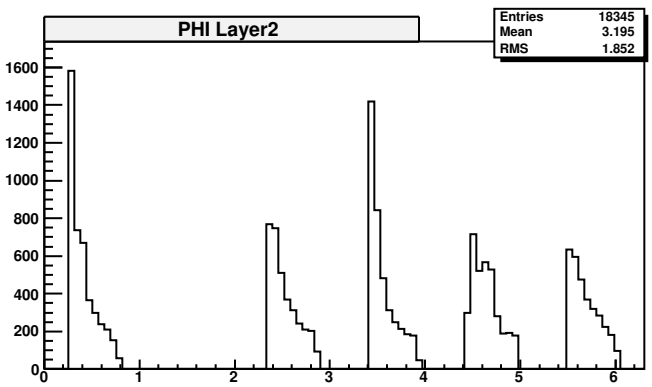
CPS Clusters (All Clusters)

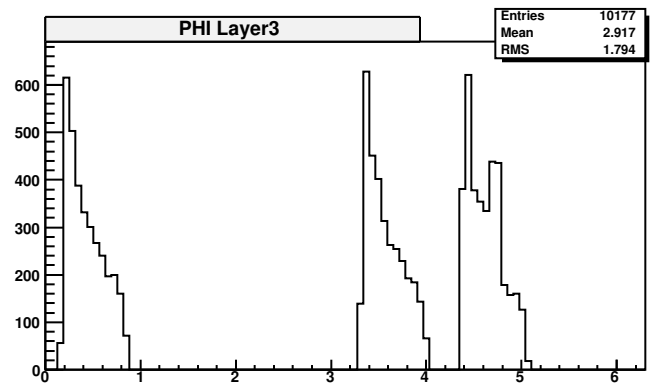

PHI
Entries 1195560
Mean 3.116
RMS 1.824
8000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

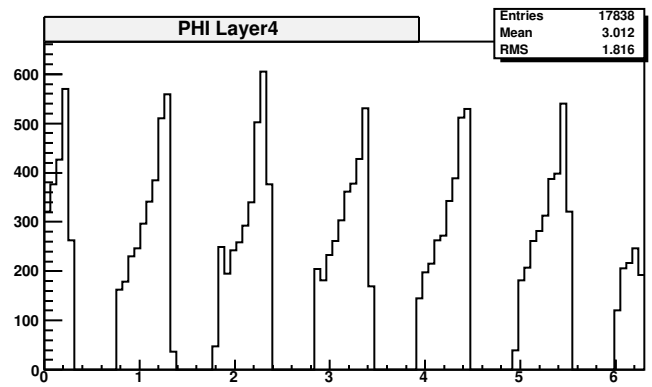

PHI FDisk All
Entries 516161
Mean 3.039
RMS 1.811
8000
6000
4000
2000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

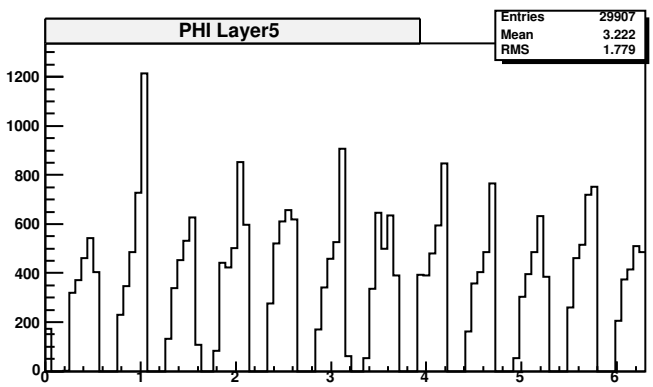

PHI HDisk All
Entries 117348
Mean 3.442
RMS 1.76
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

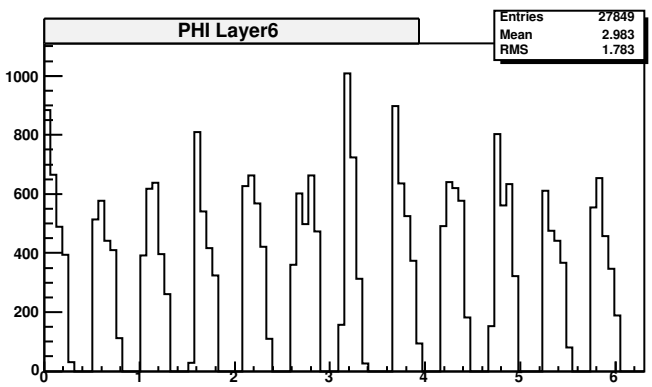


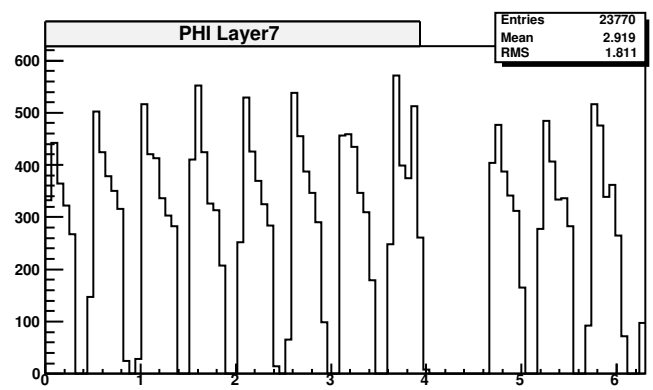


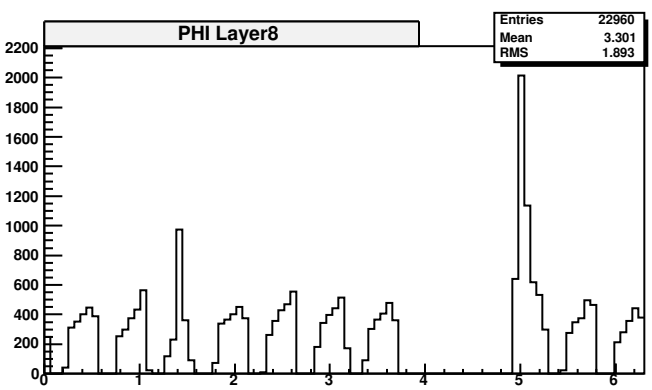




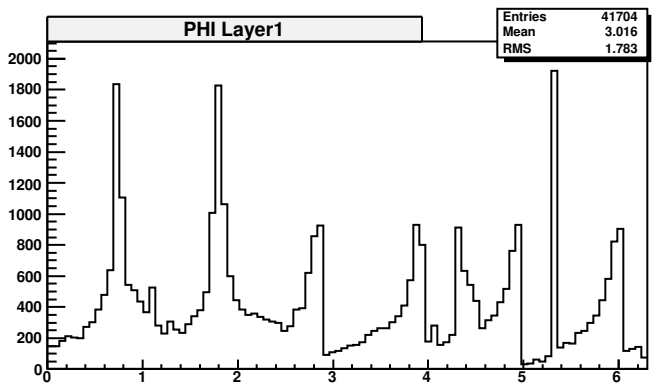


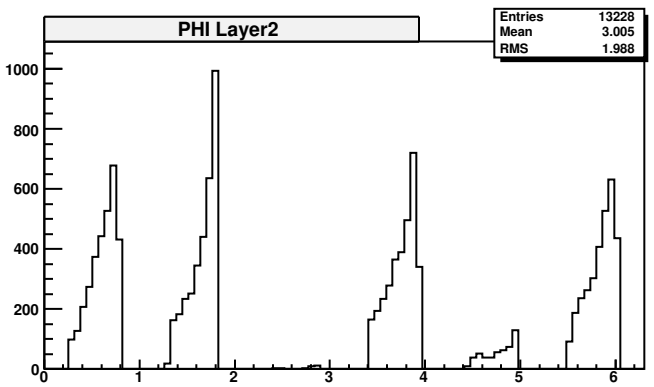


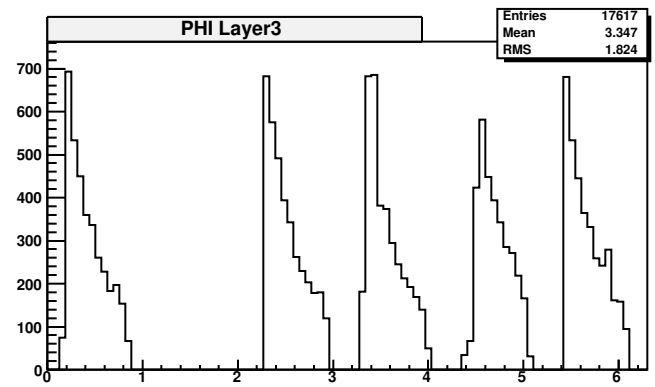


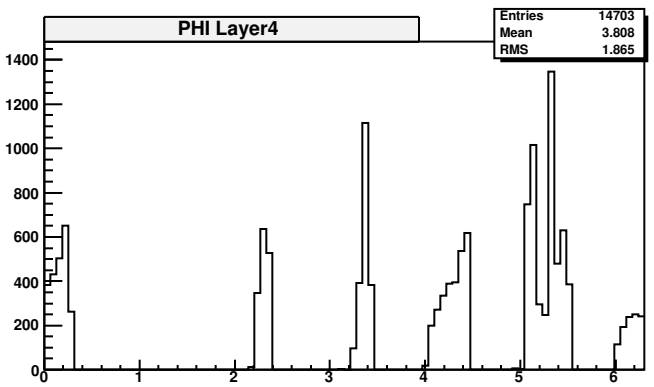


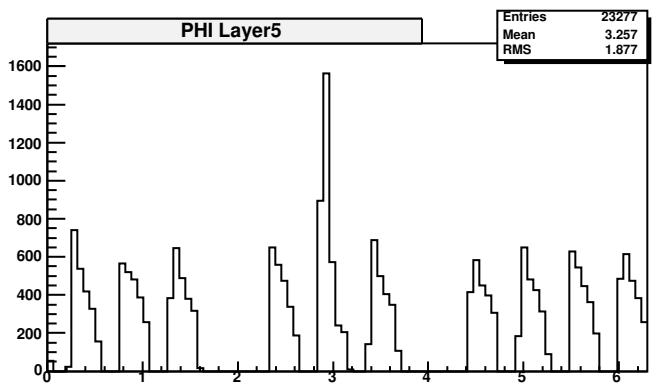
SmtClusters (ClustrBar1)

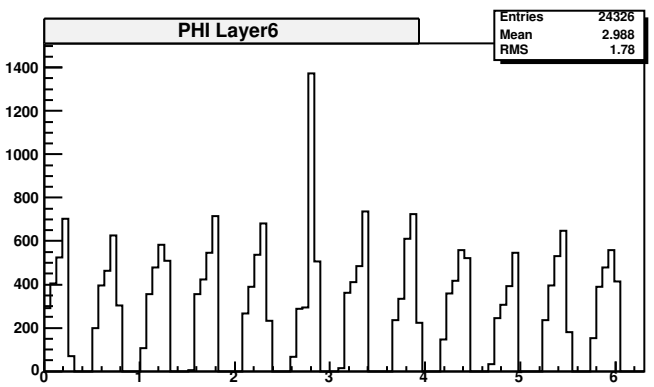


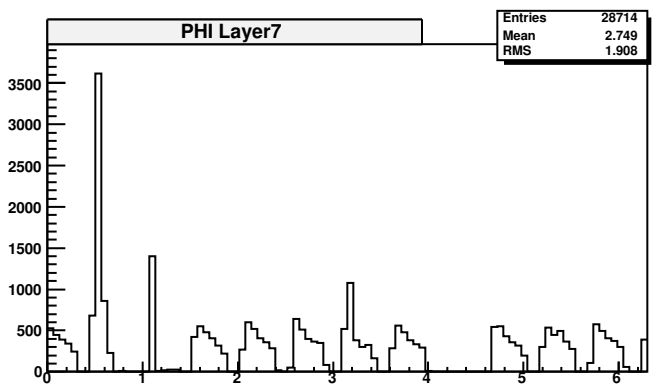


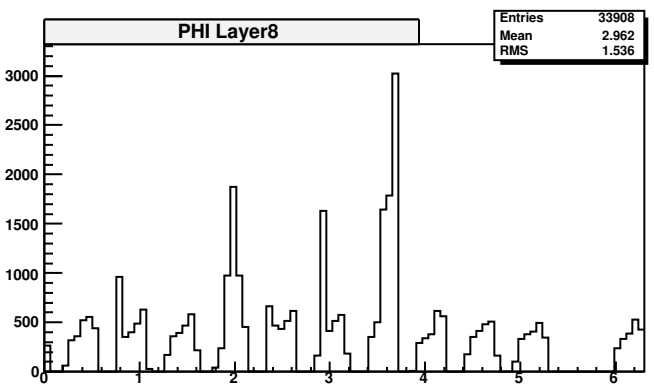




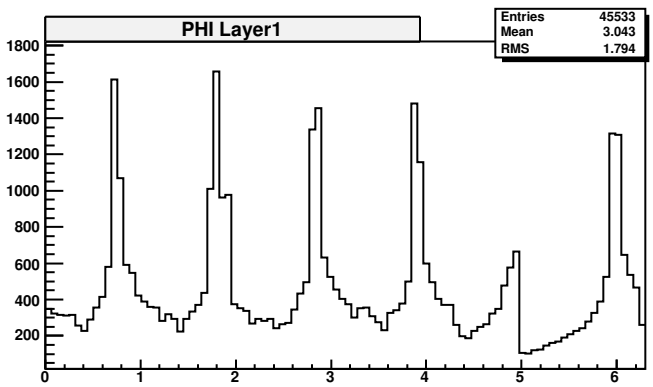


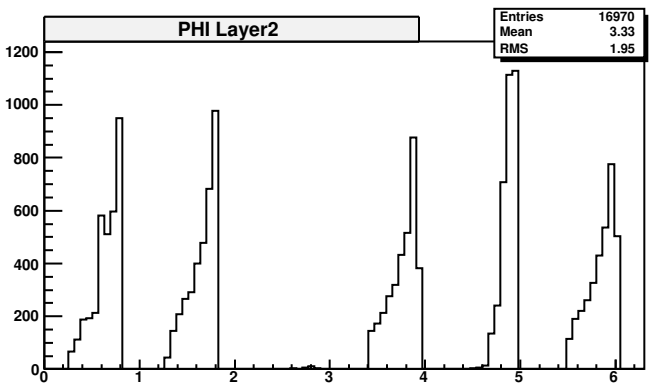


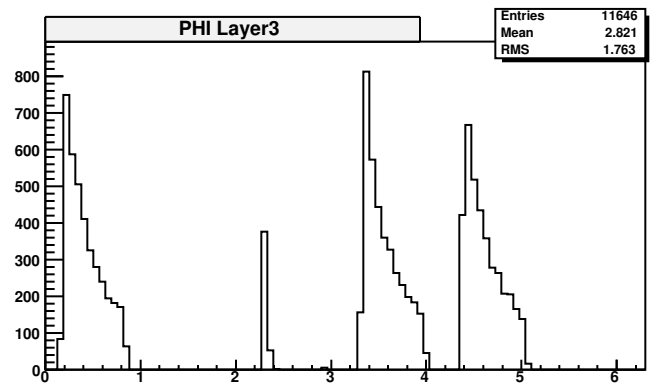


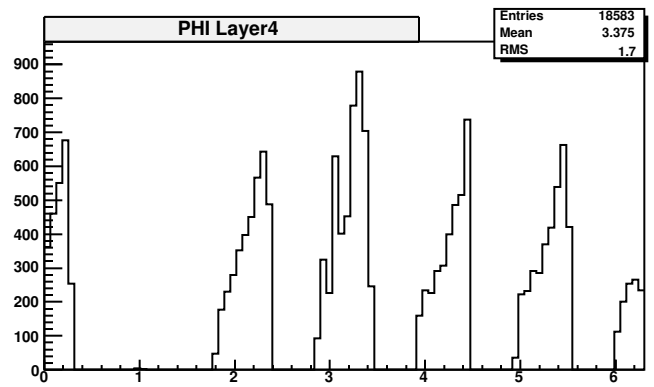


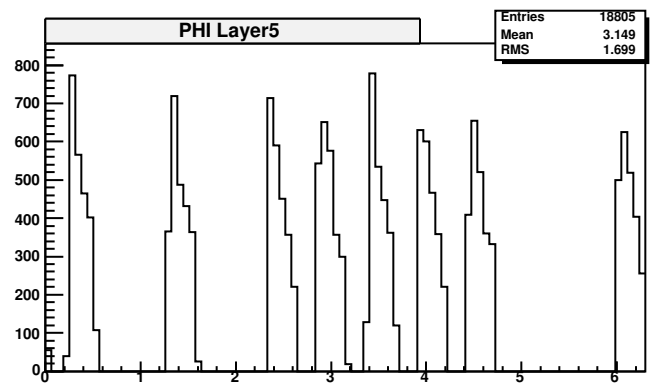
SmtClusters (ClustrBar2)

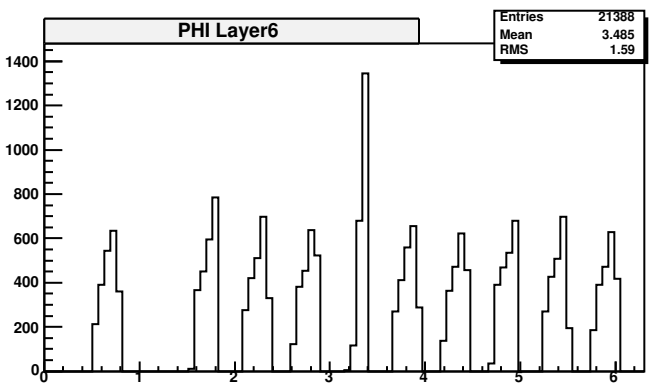


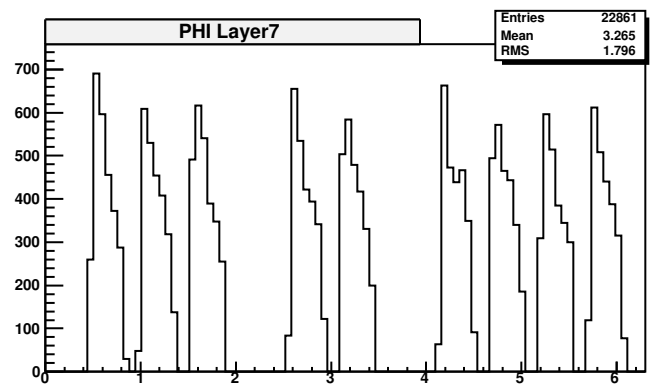


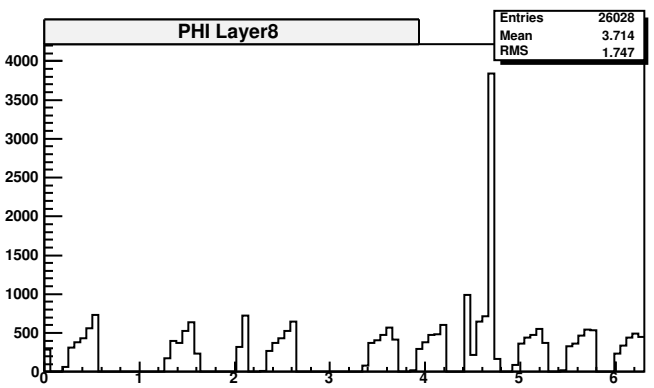




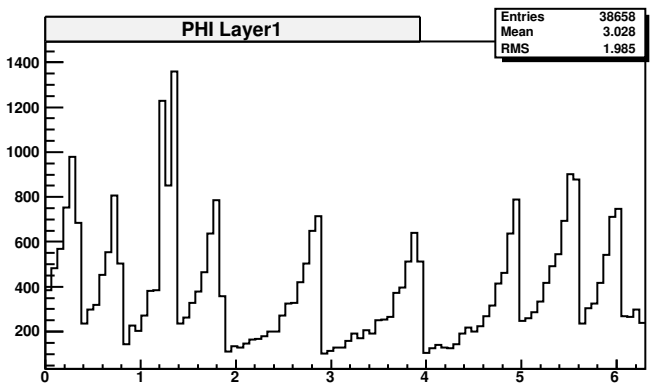


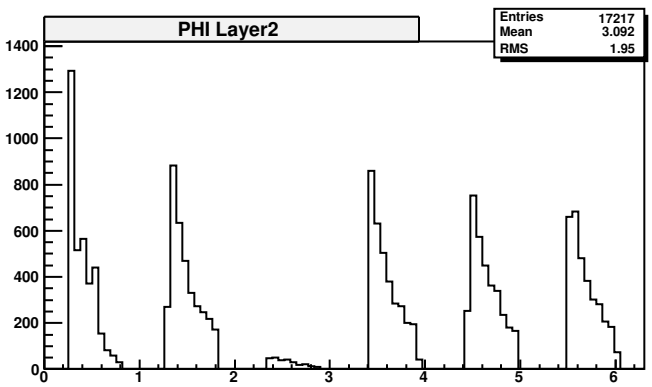


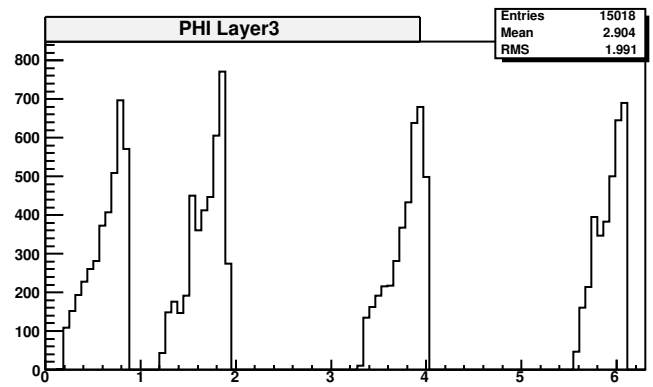


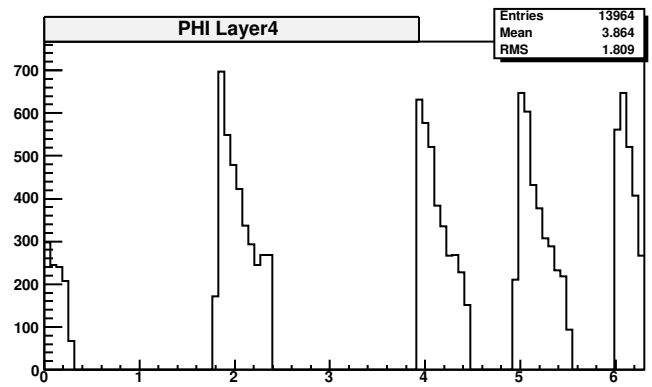


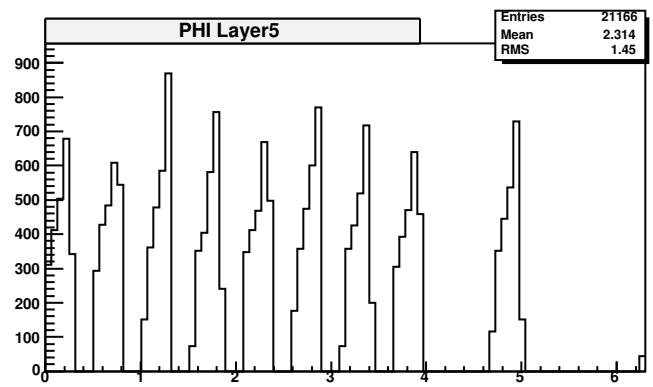
SmtClusters (ClustrBar3)

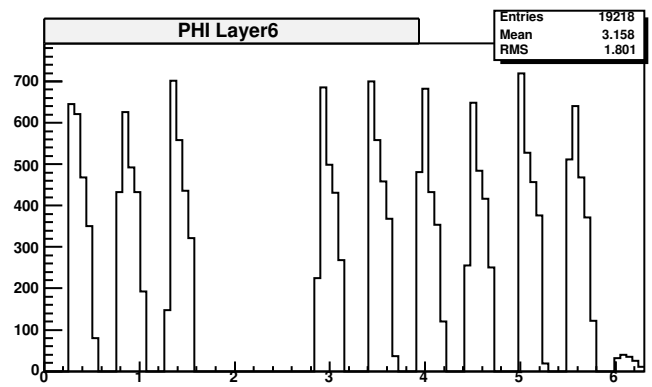


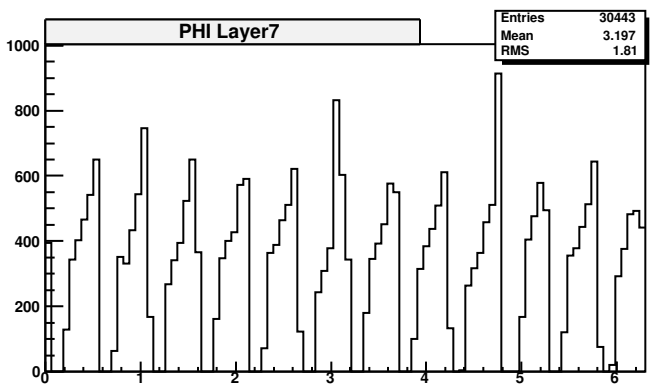


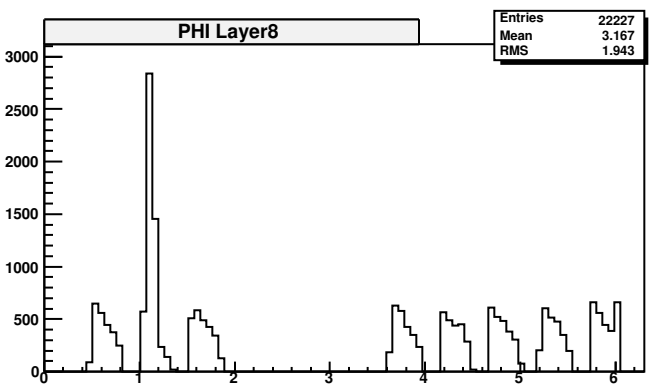




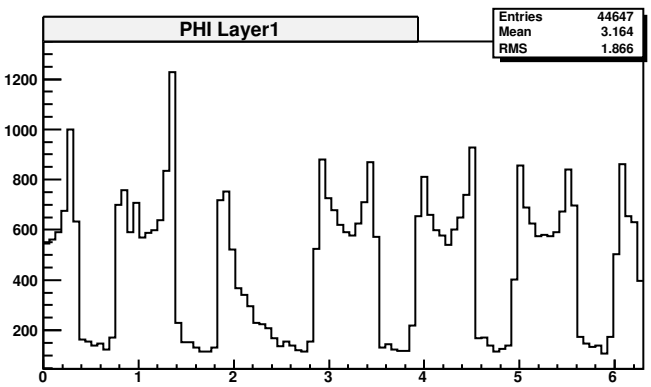


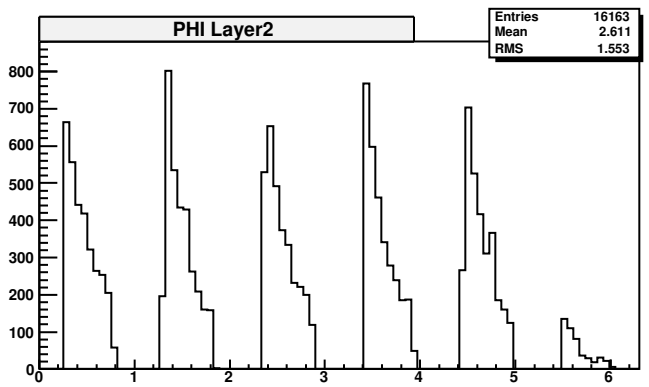


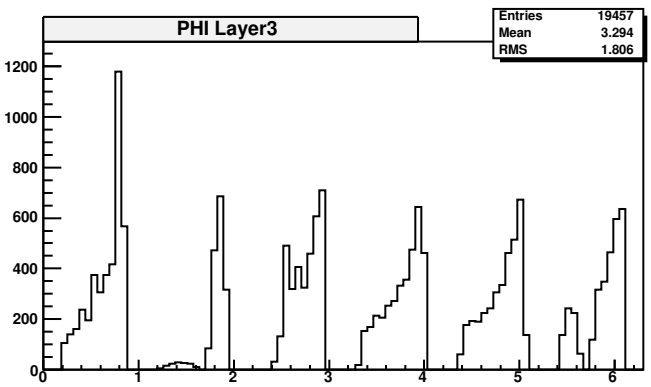


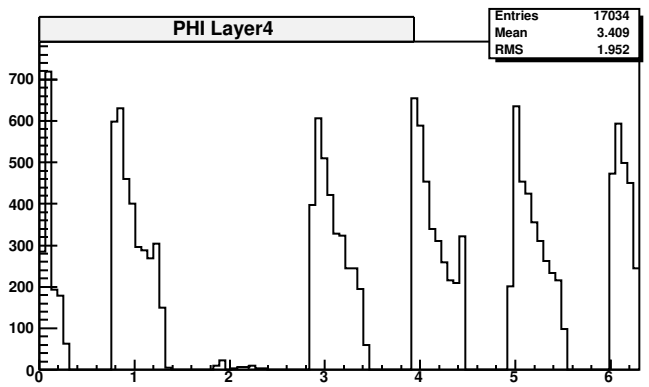


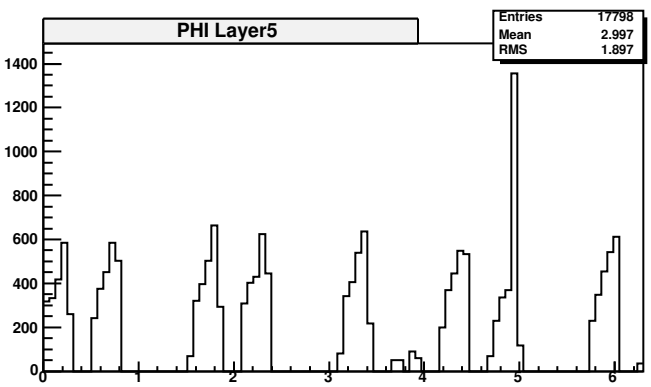
SmtClusters (ClustrBar4)

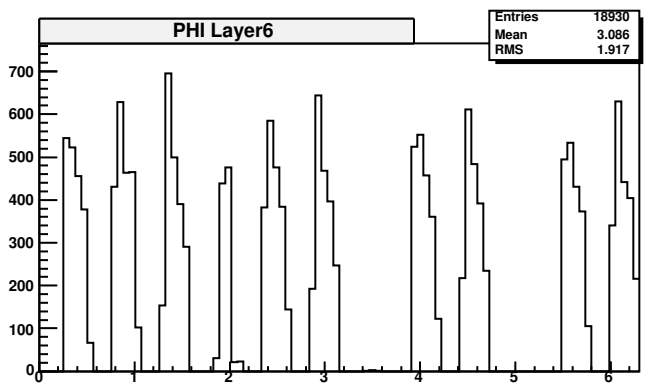


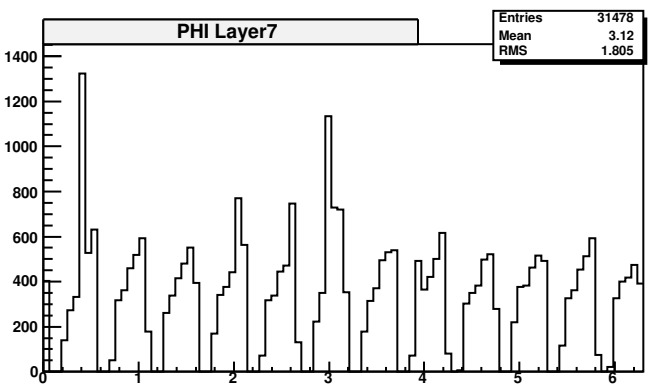


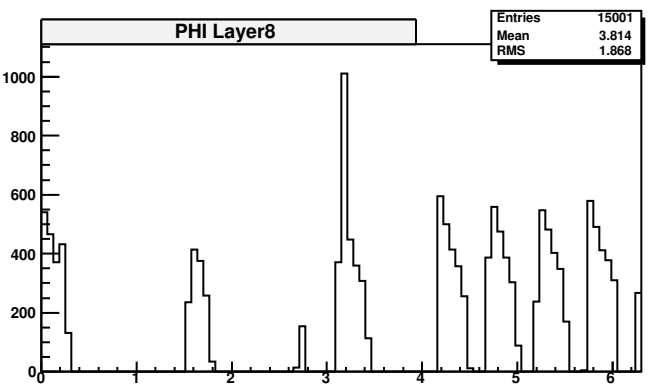




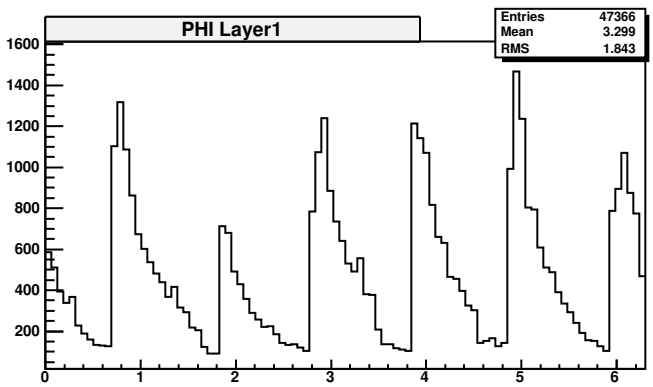


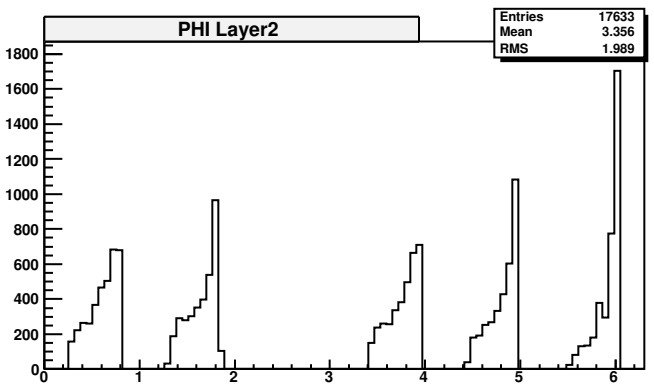


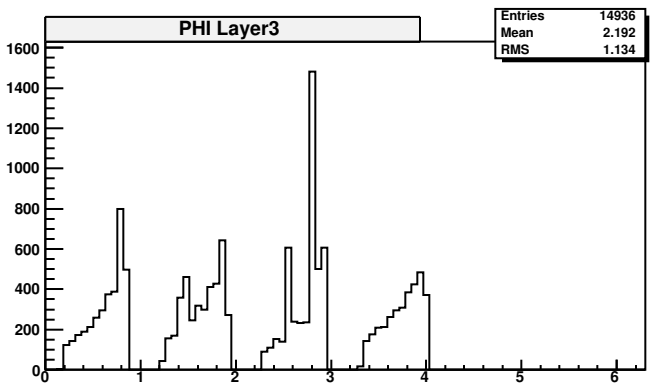


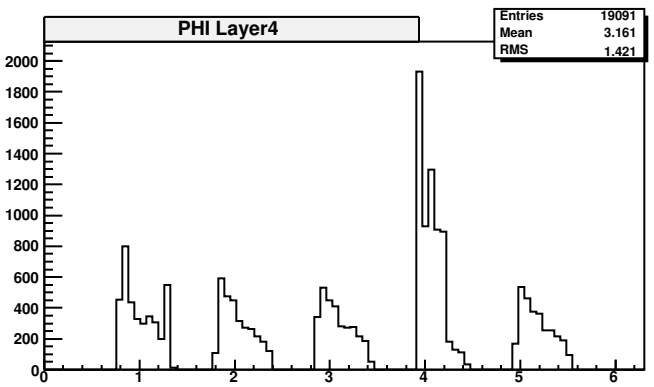


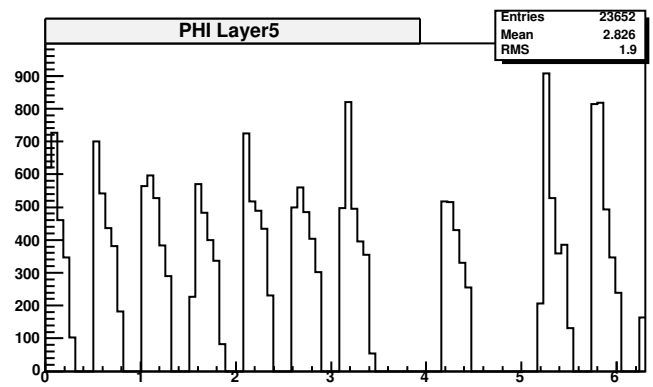
SmtClusters (ClustrBar5)

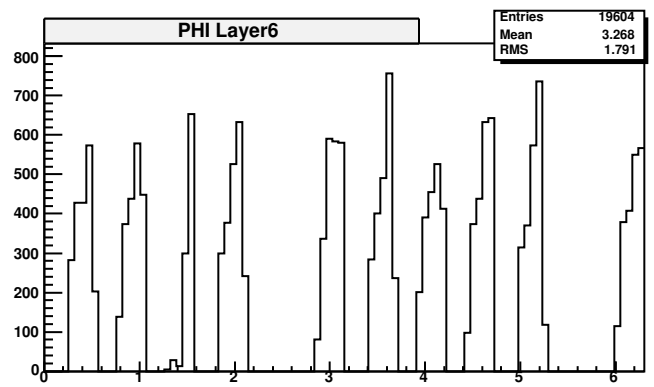


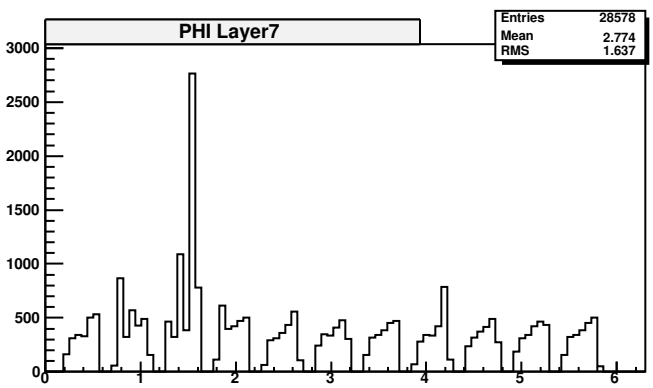


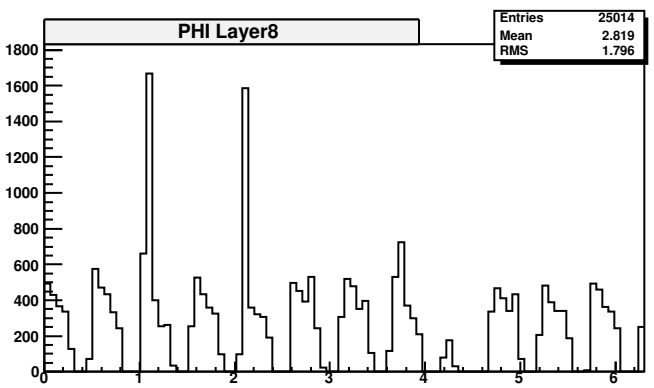




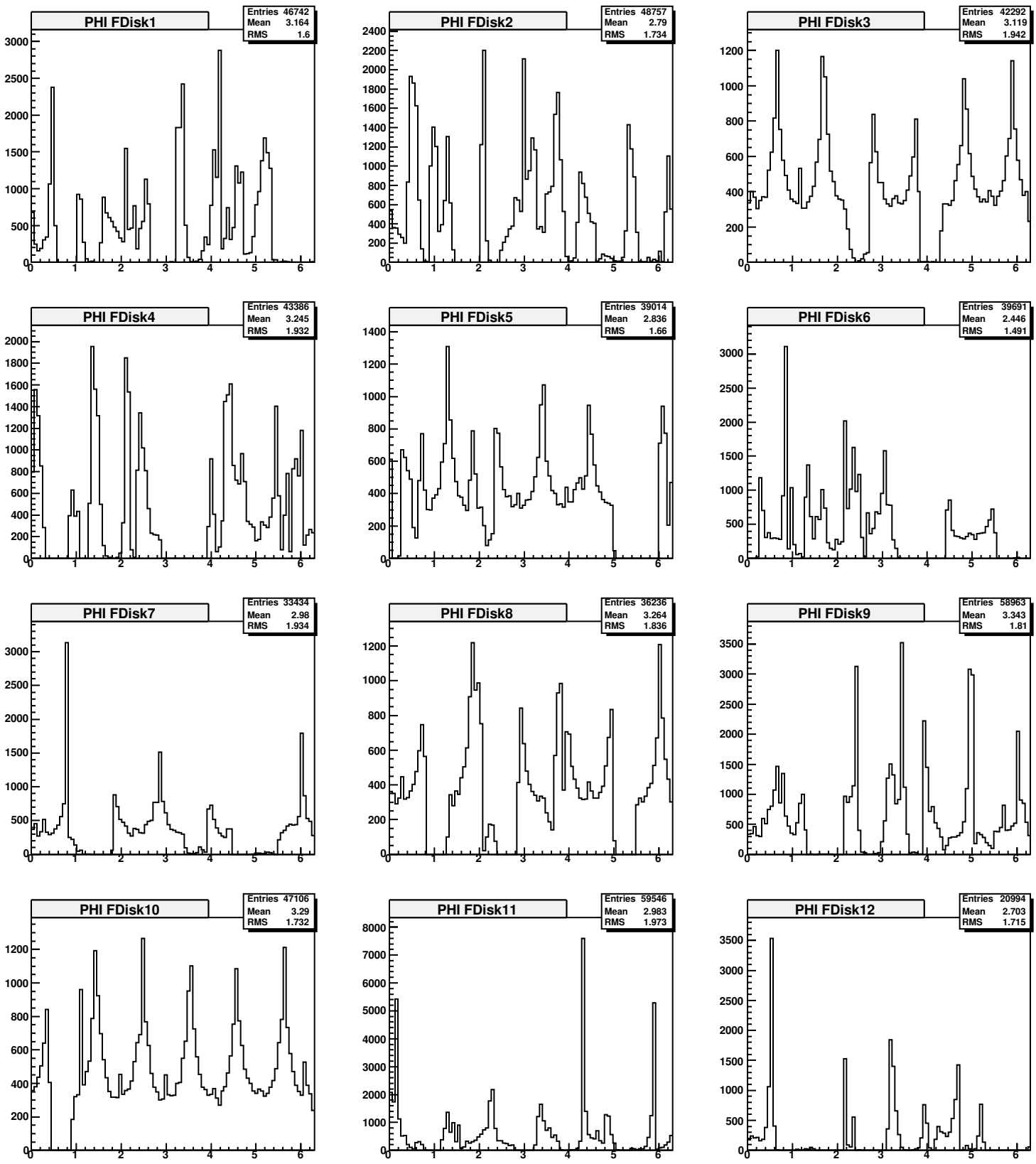




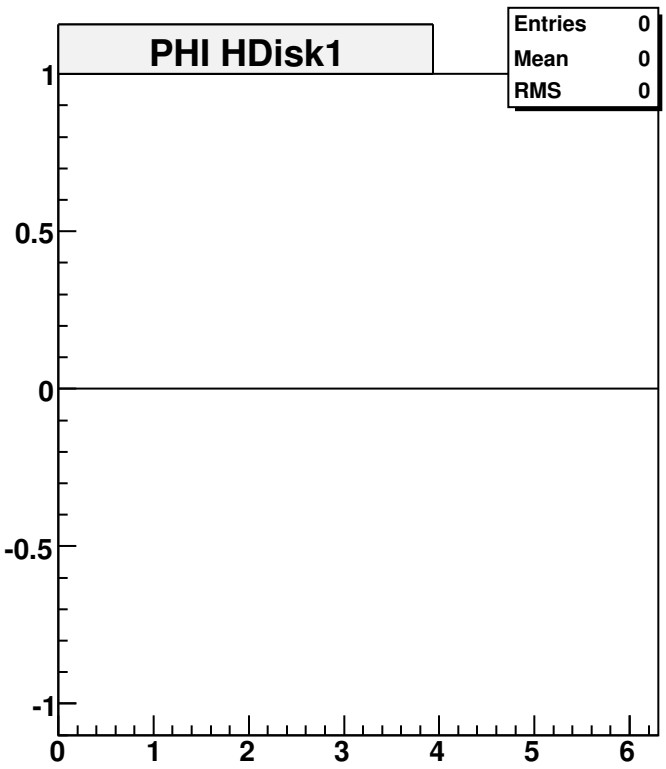


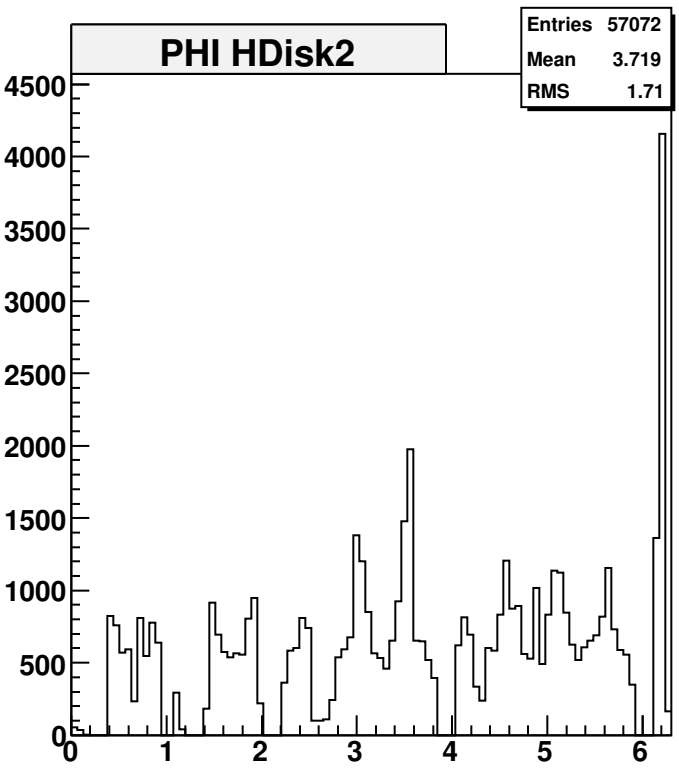


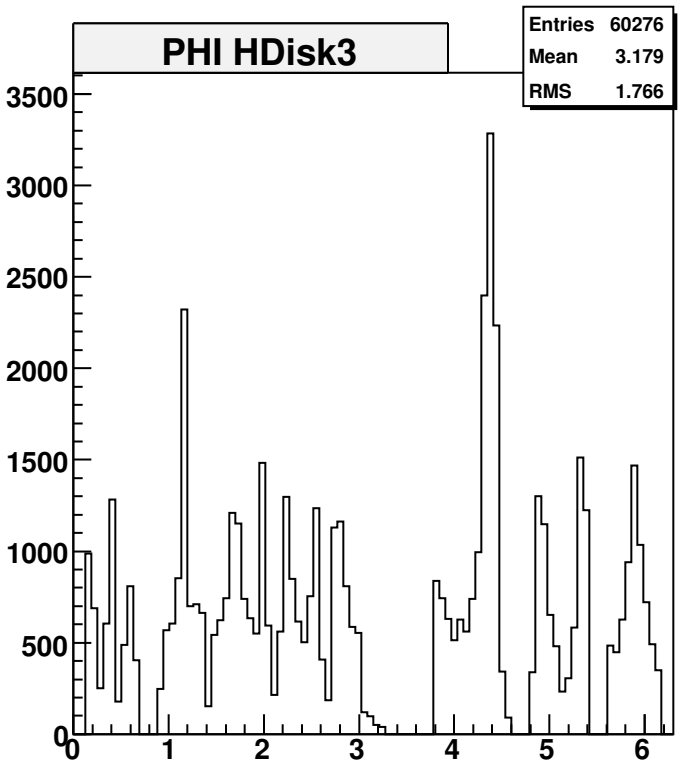
SmtClusters (ClustrBar6)

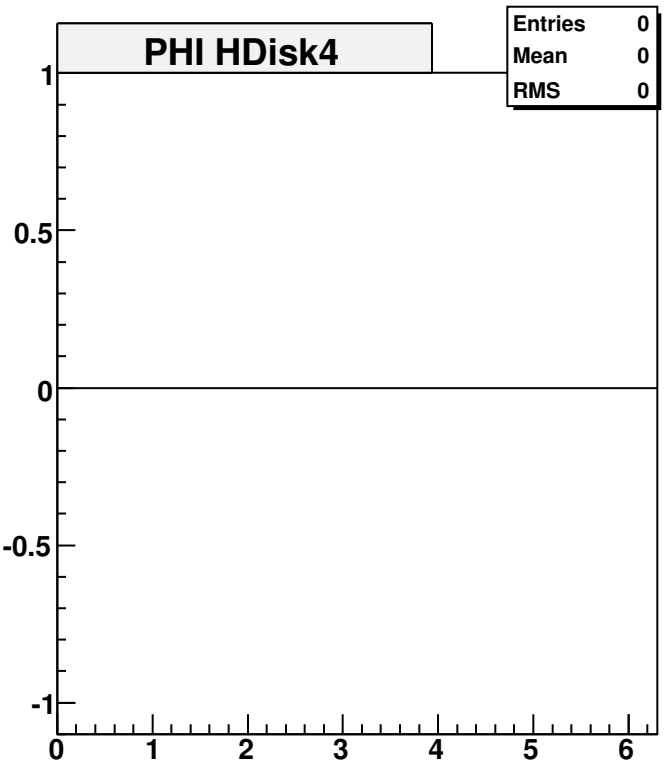


SmtClusters (FDiskClusters)

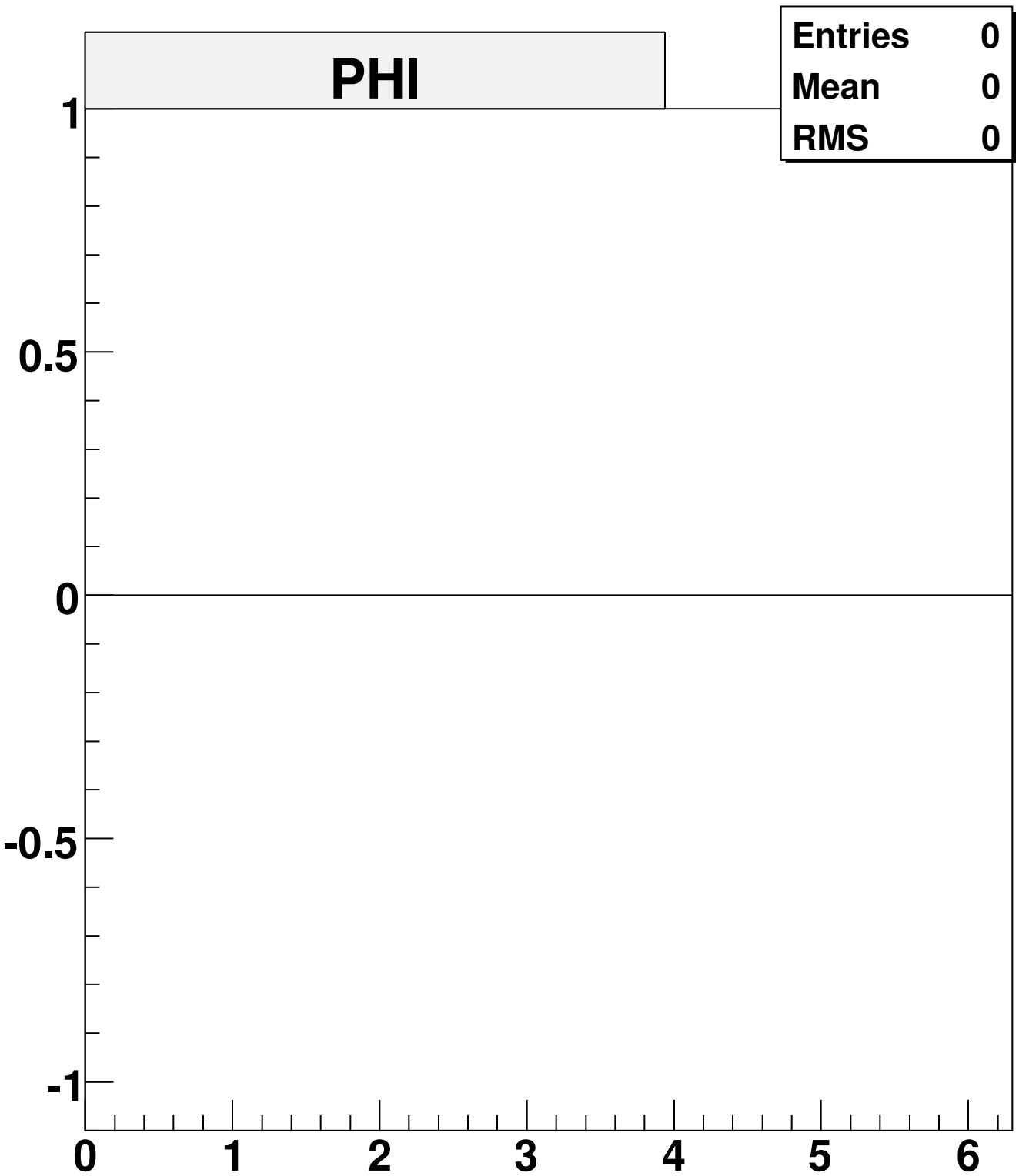








SmtClusters (HDiskClusters)


PHI
Entries 0
Mean 0
RMS 0
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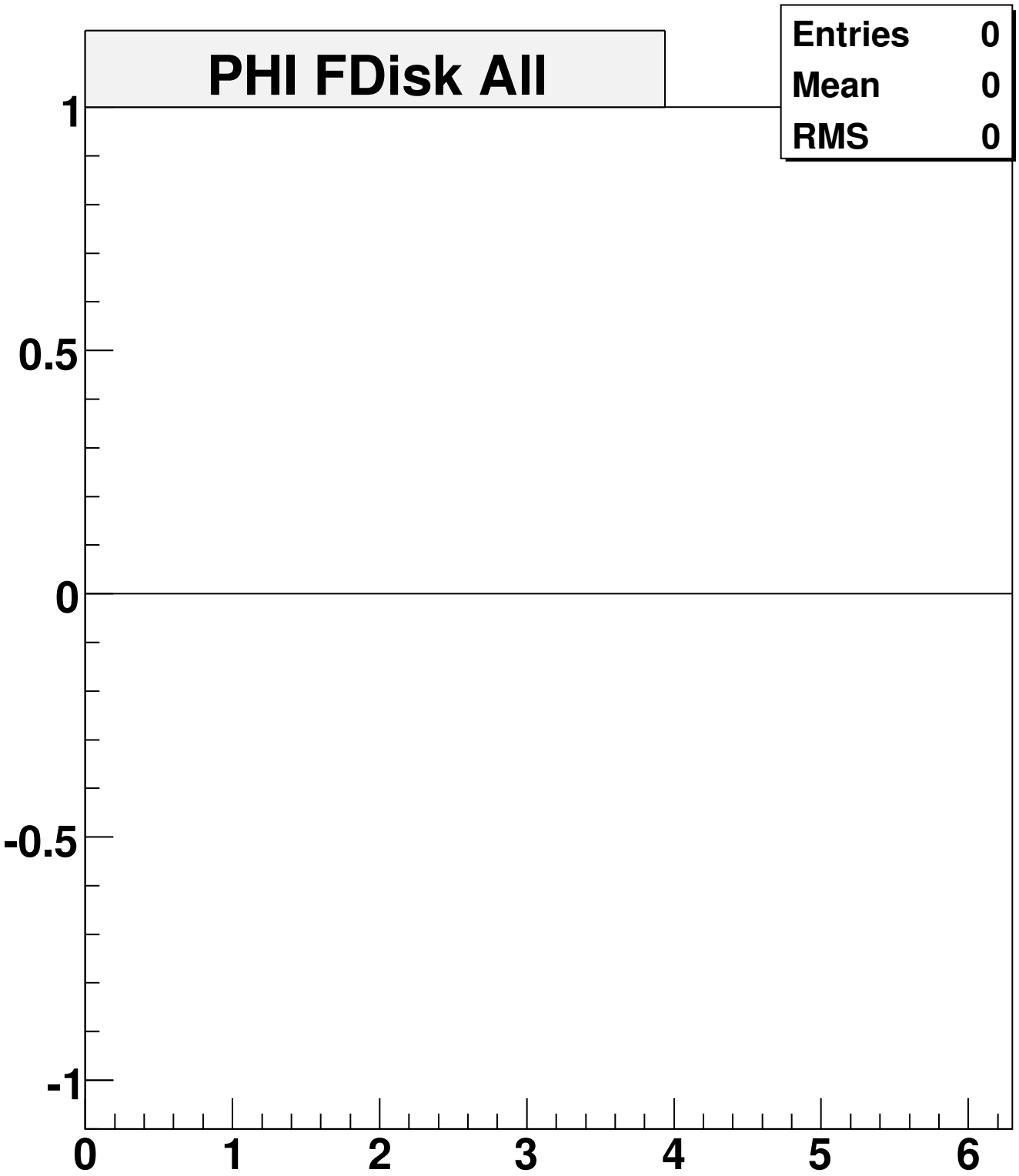
0.5
0
-0.5
-1
0
1
2
3
4
5
6
SmtClusters (allBarTClusters)


PHI FDisk All
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
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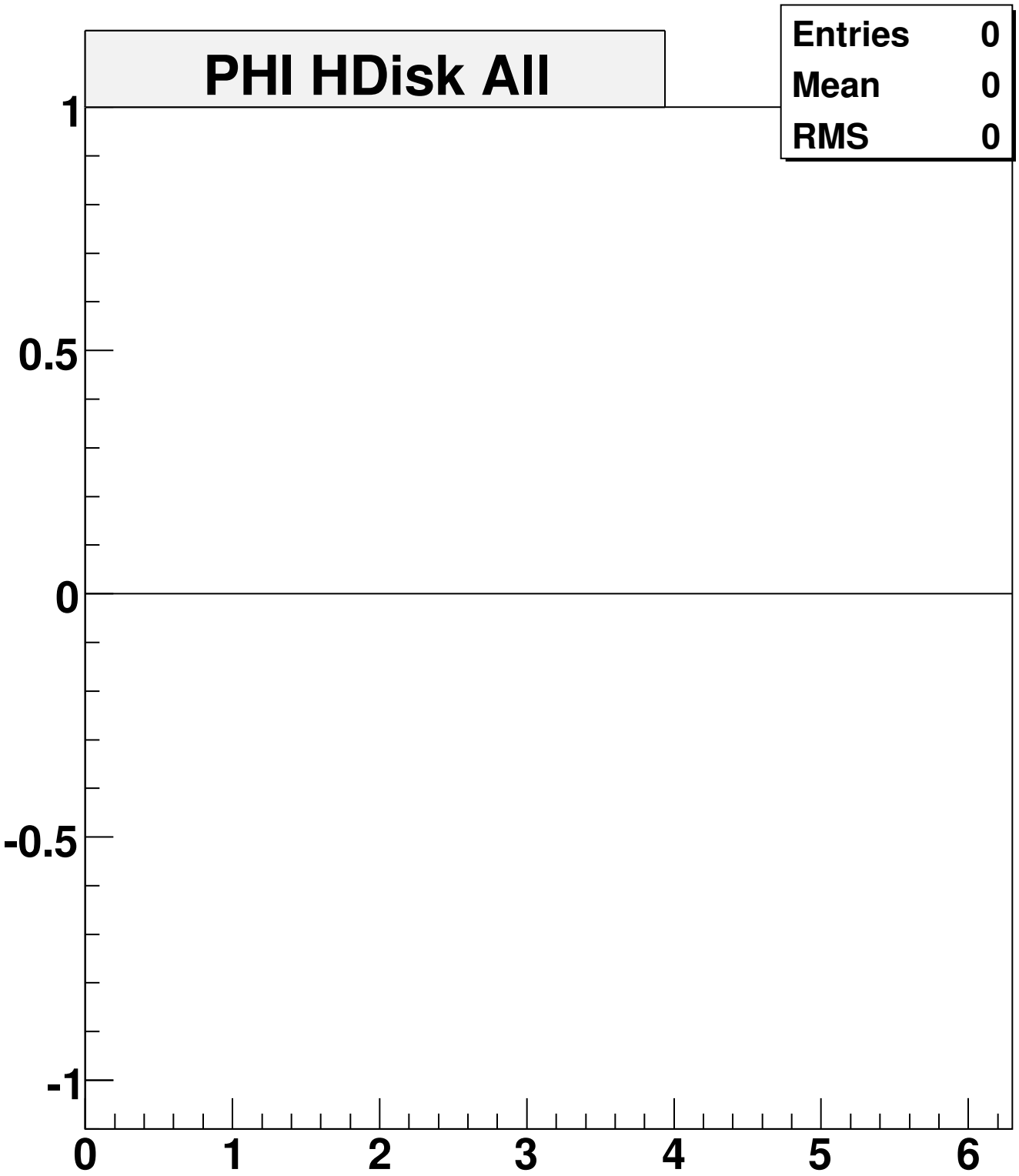
6
SmtClusters (allFDiskTClusters)


PHI HDisk All
Entries 0
Mean 0
RMS 0
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-1
0
1
2
3
4
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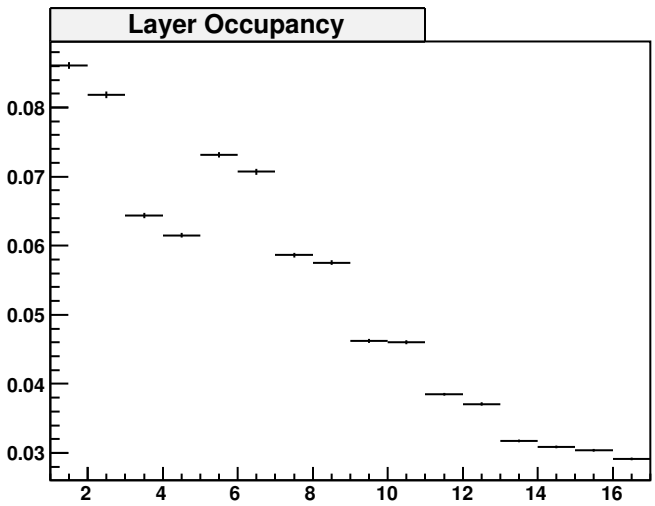
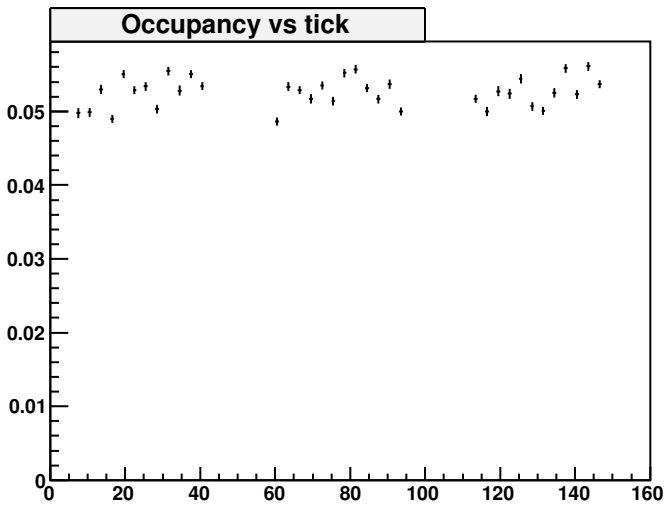
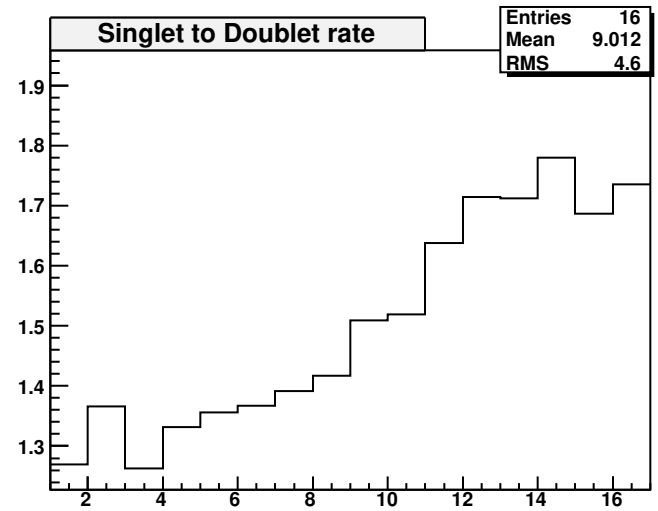
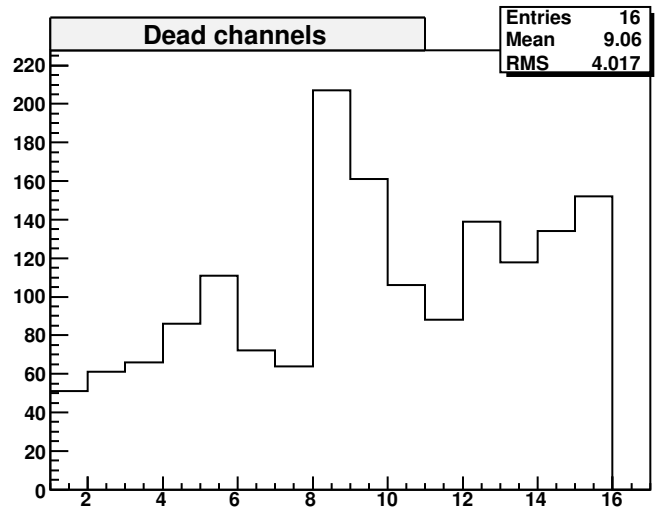
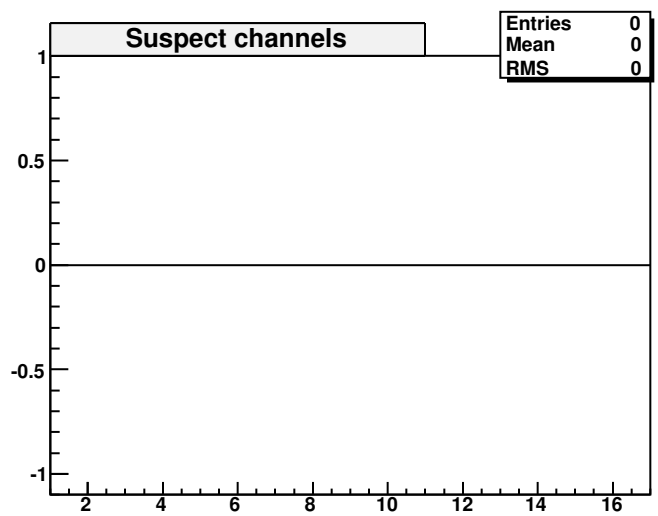
6
SmtClusters (allHDiskTClusters)

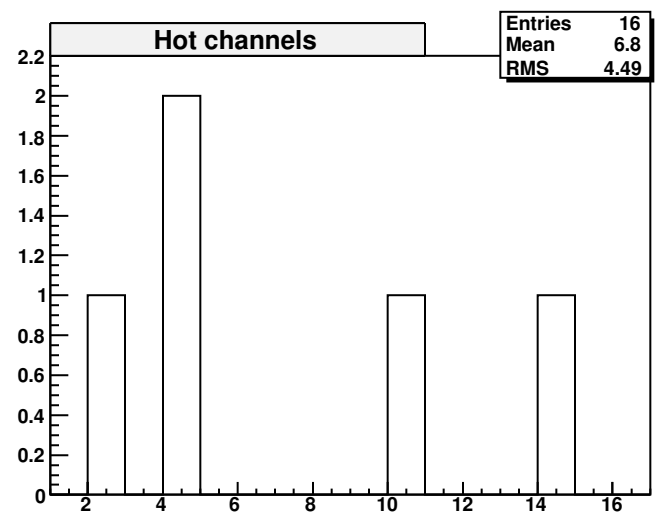




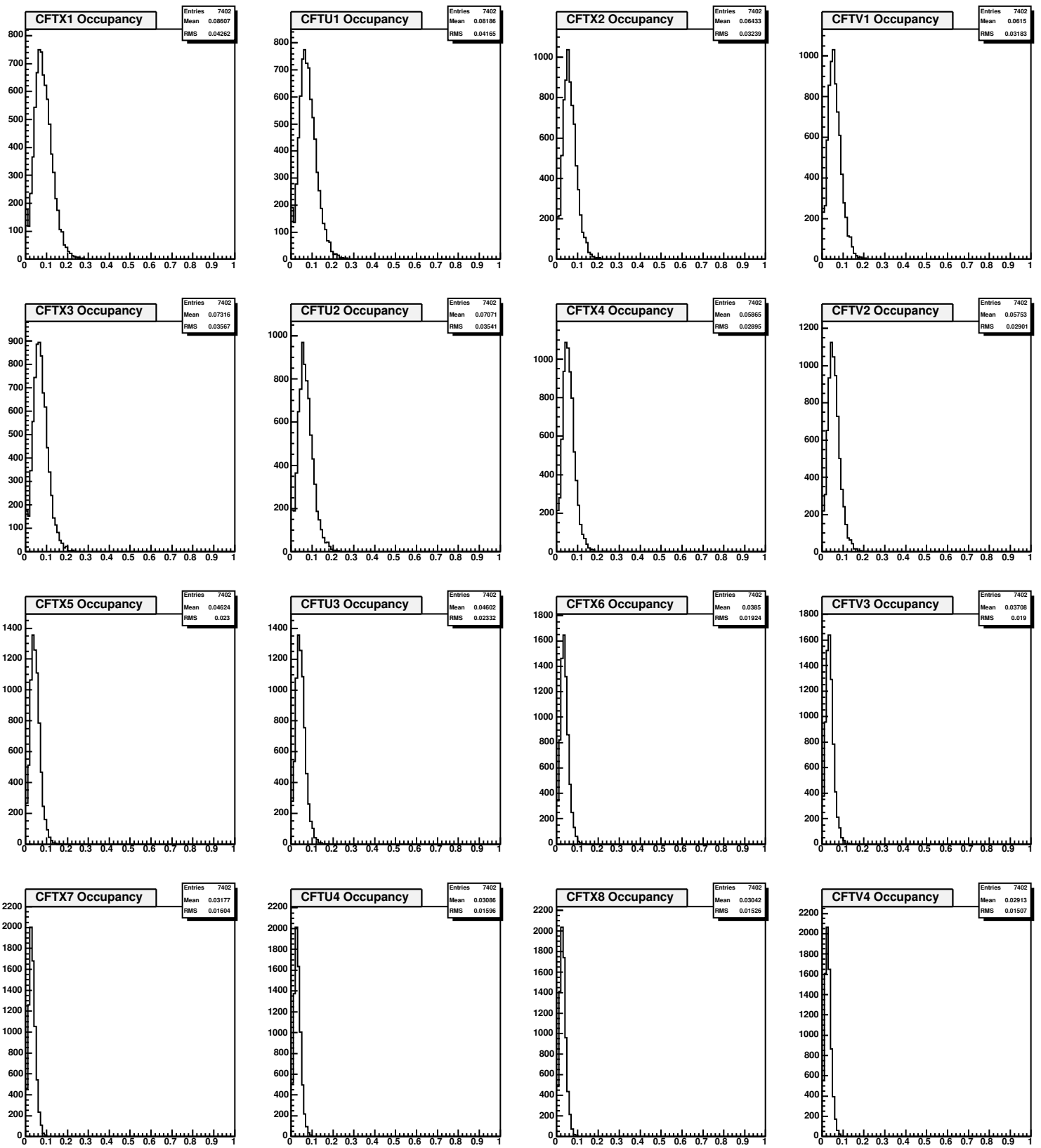




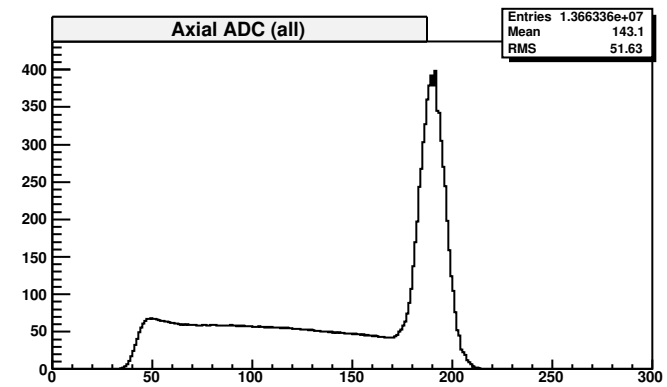


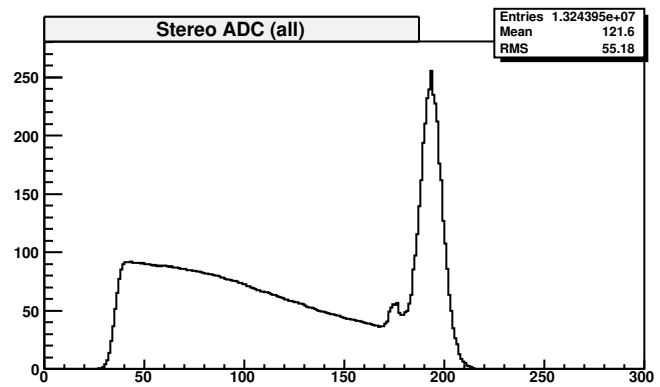


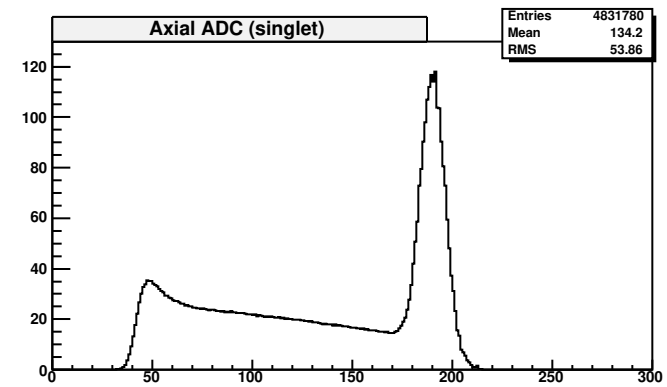
CFT Summary (All Clusters)

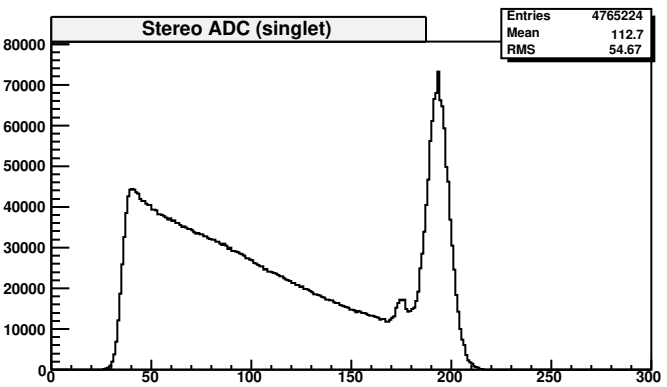


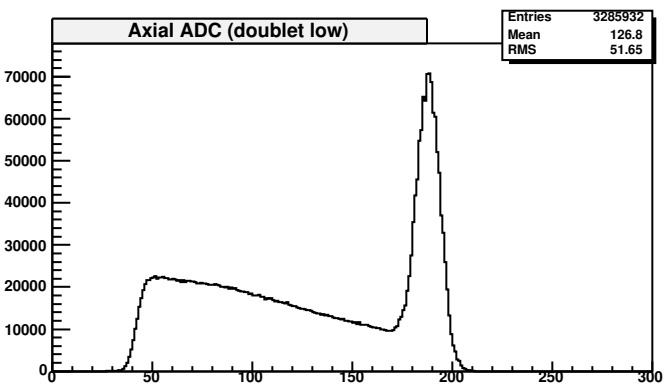
CFT Occupancy (All Clusters)

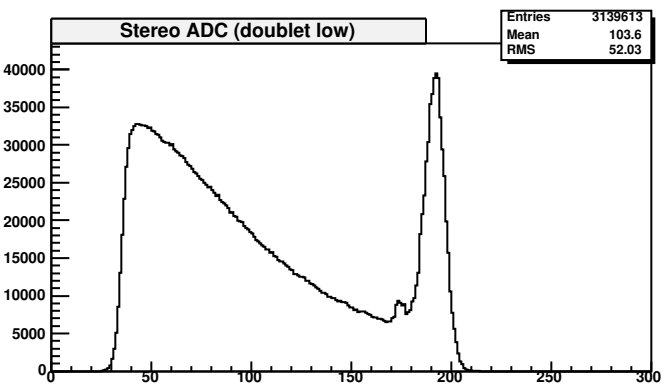


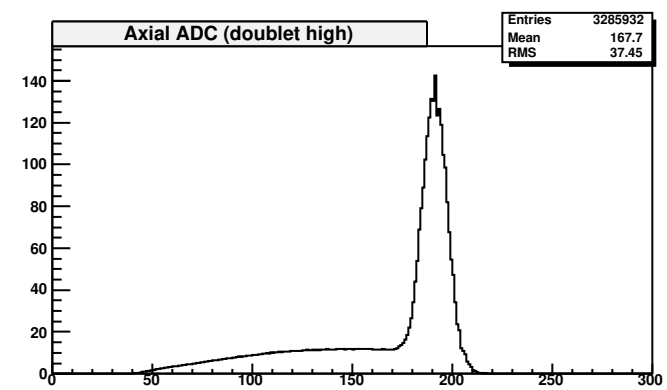


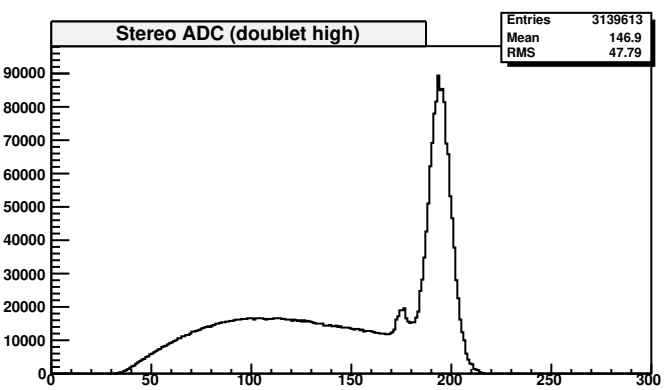




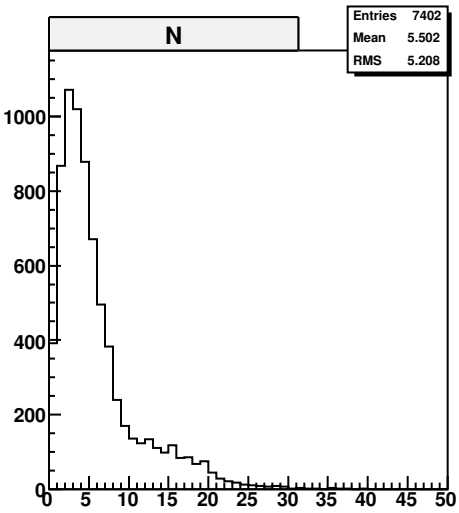


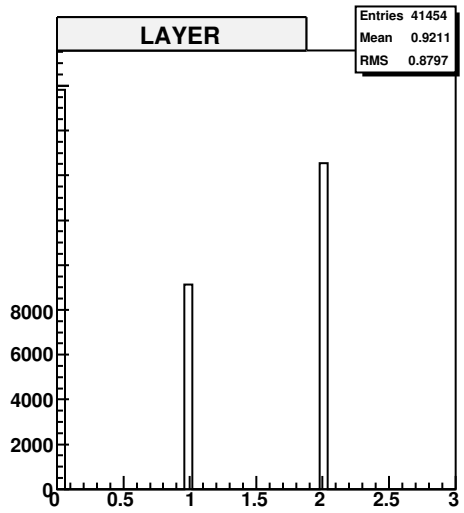


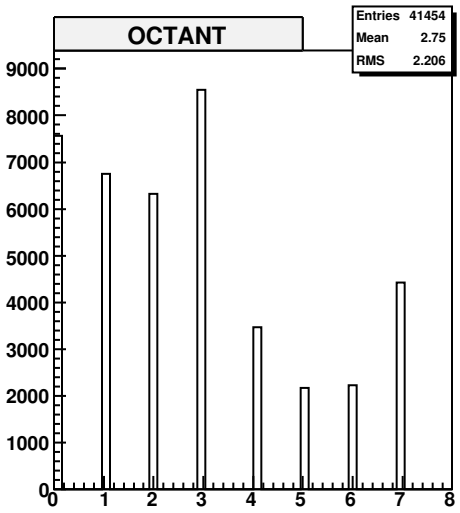


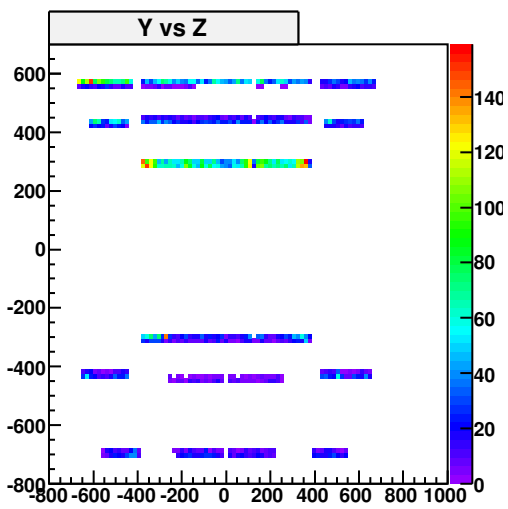


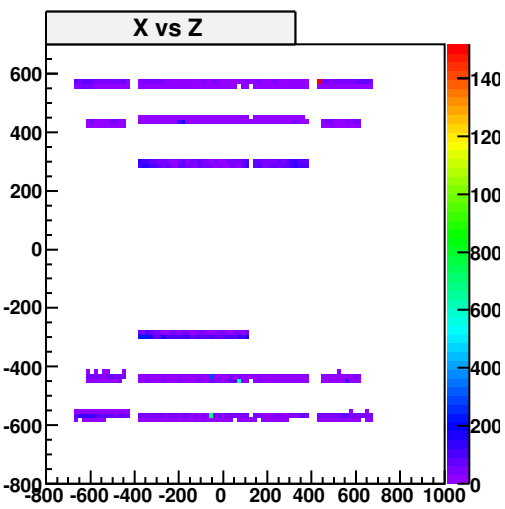
CFT ADC Summary (All Clusters)

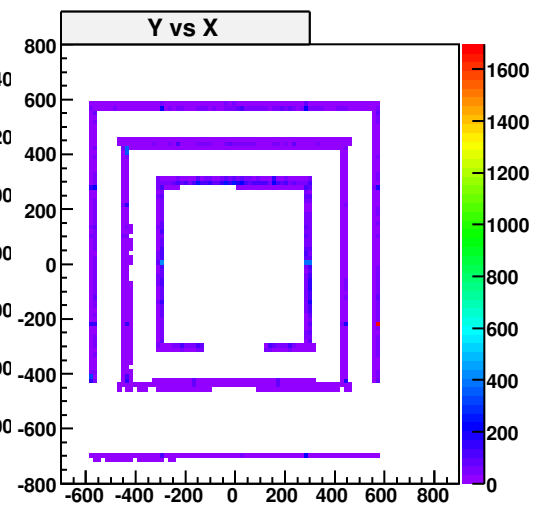

N
Entries 7402
Mean 5.502
RMS 5.208

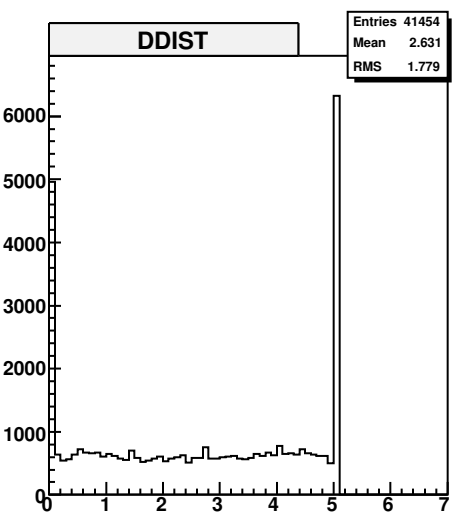

LAYER
Entries 41454
Mean 0.9211
RMS 0.8797

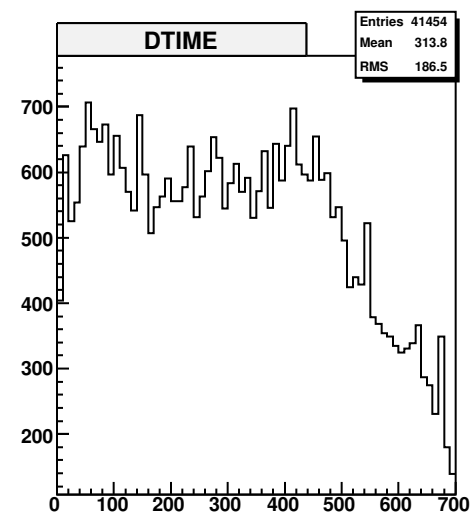

OCTANT
Entries 41454
Mean 2.75
RMS 2.206


Y vs Z

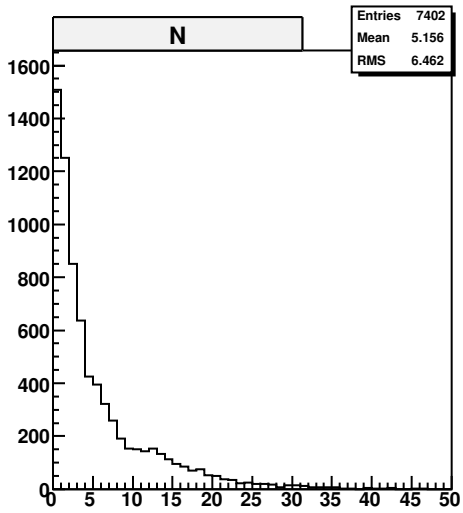

X vs Z

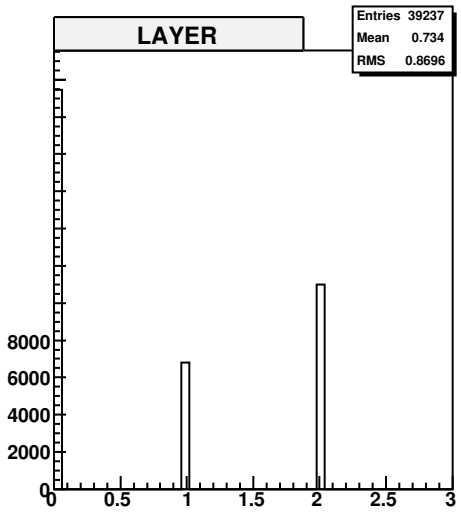

Y vs X

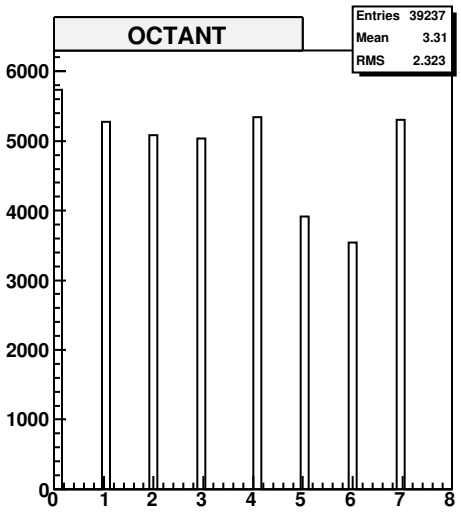

DDIST
Entries 41454
Mean 2.631
RMS 1.779

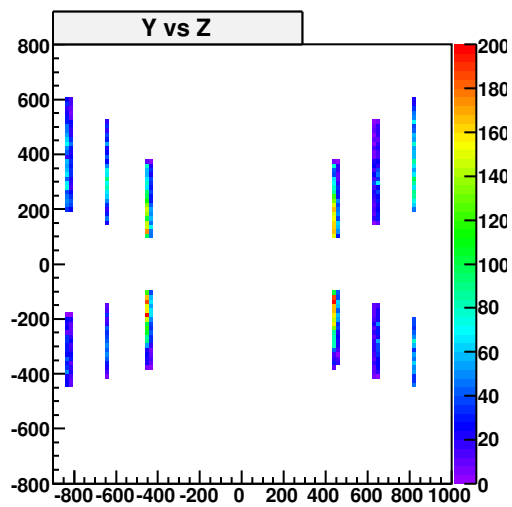

DTIME
Entries 41454
Mean 313.8
RMS 186.5

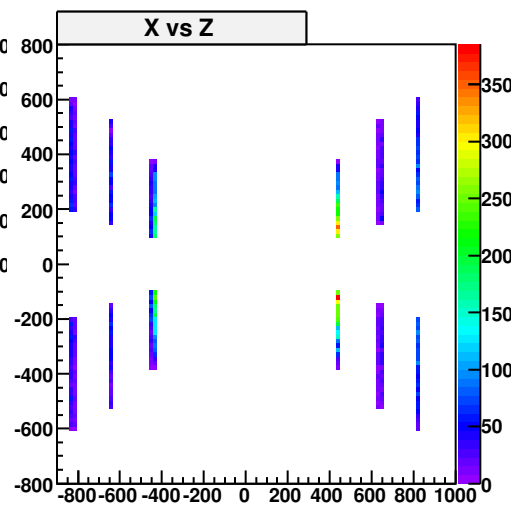
MuonPDT (All)

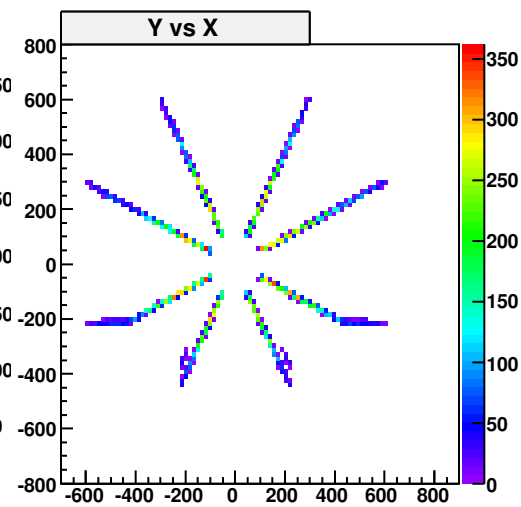

N
Entries 7402
Mean 5.156
RMS 6.462

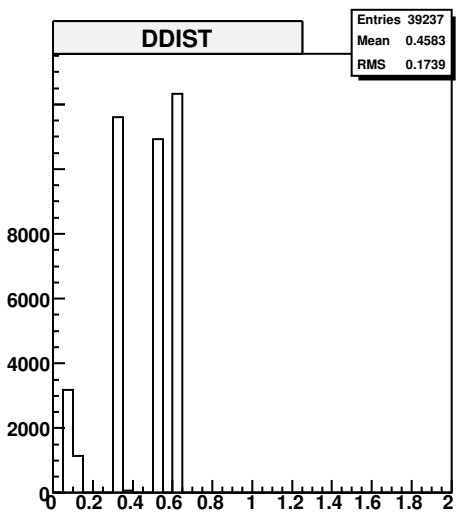

LAYER
Entries 39237
Mean 0.734
RMS 0.8696

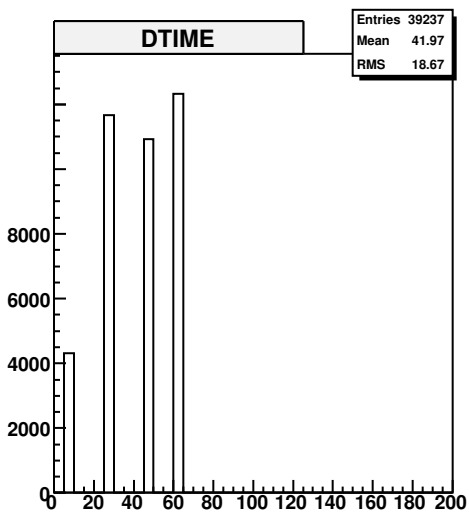

OCTANT
Entries 39237
Mean 3.31
RMS 2.323


Y vs Z

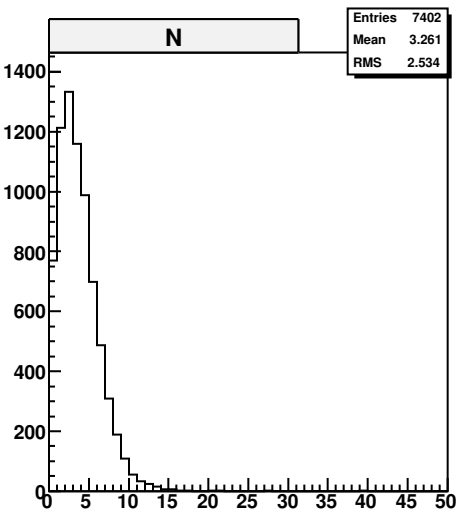

X vs Z

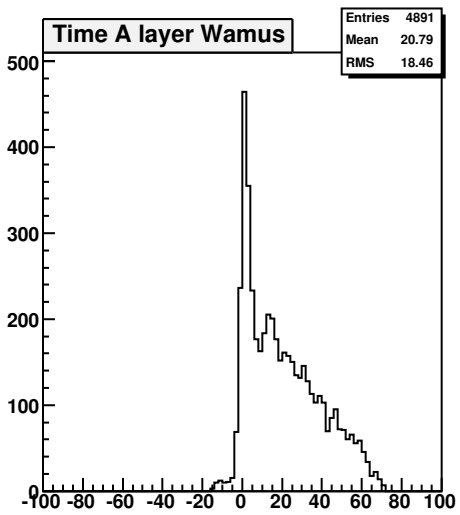

Y vs X

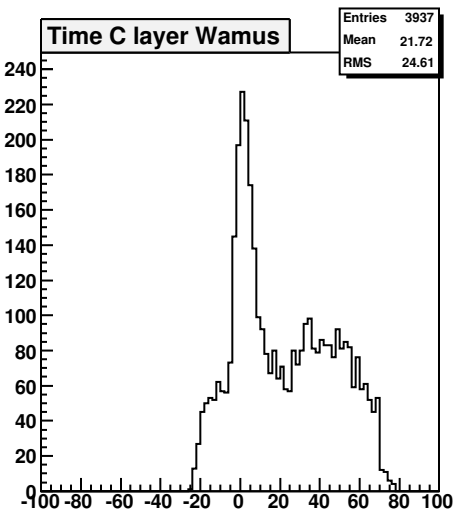

DDIST
Entries 39237
Mean 0.4583
RMS 0.1739

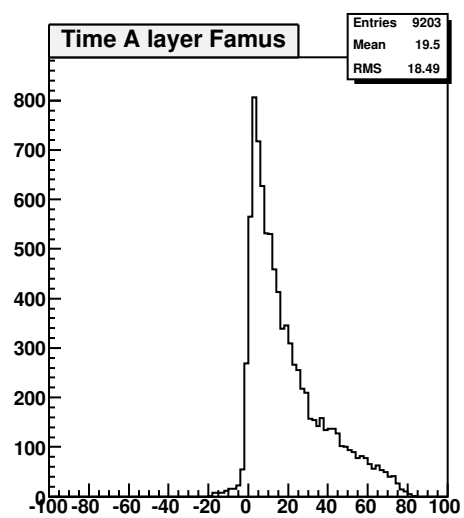

DTIME
Entries 39237
Mean 41.97
RMS 18.67

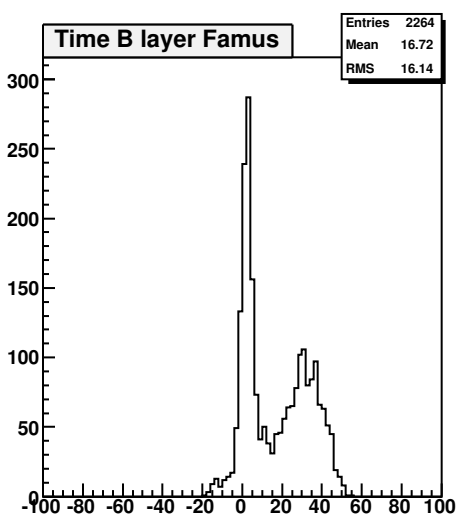
MuonMDT (All)

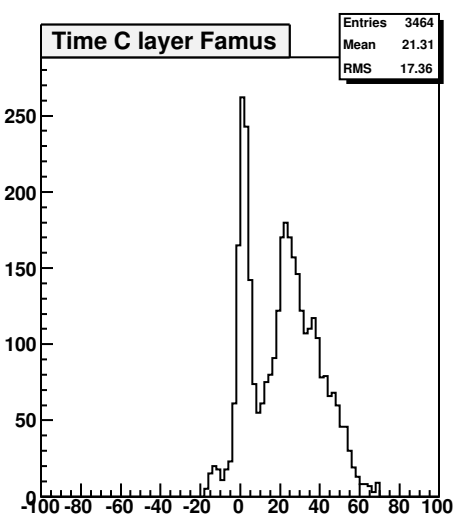

N
Entries 7402
Mean 3.261
RMS 2.534

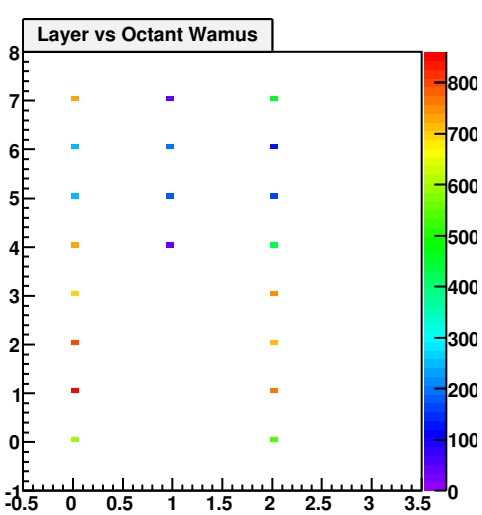

Time A layer Wamus
Entries 4891
Mean 20.79
RMS 18.46

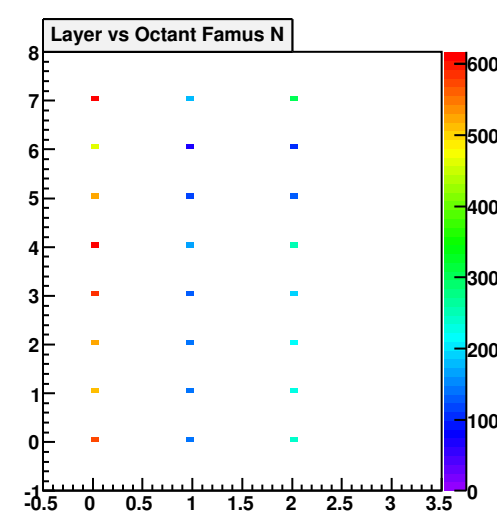

Time C layer Wamus
Entries 3937
Mean 21.72
RMS 24.61

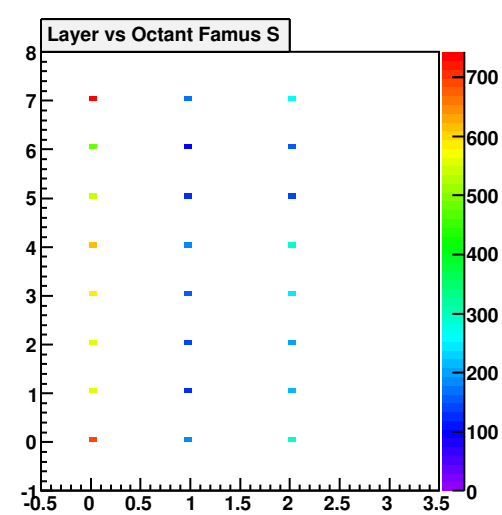

Time A layer Famus
Entries 9203
Mean 19.5
RMS 18.49


Time B layer Famus
Entries 2264
Mean 16.72
RMS 16.14

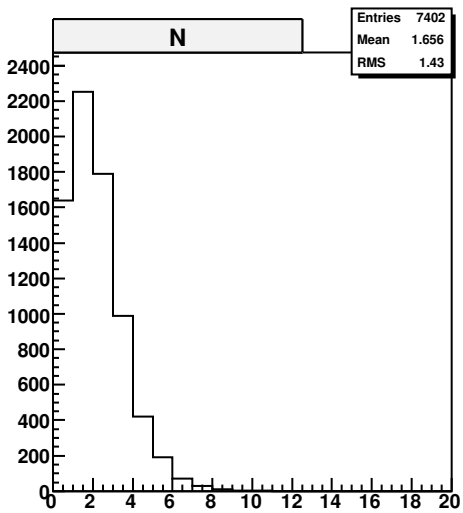

Time C layer Famus
Entries 3464
Mean 21.31
RMS 17.36

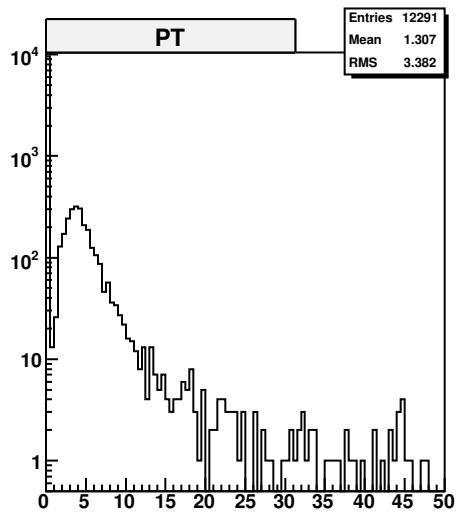

Layer vs Octant Wamus

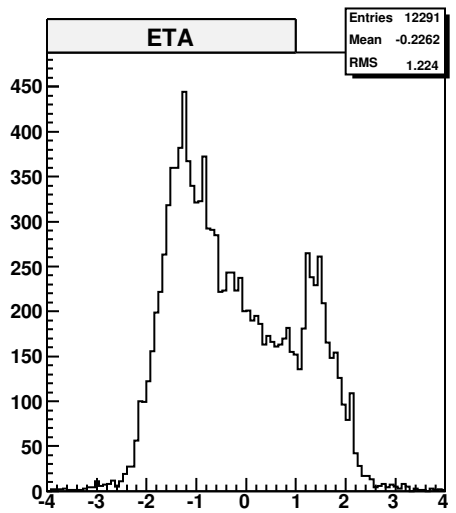

Layer vs Octant Famus N

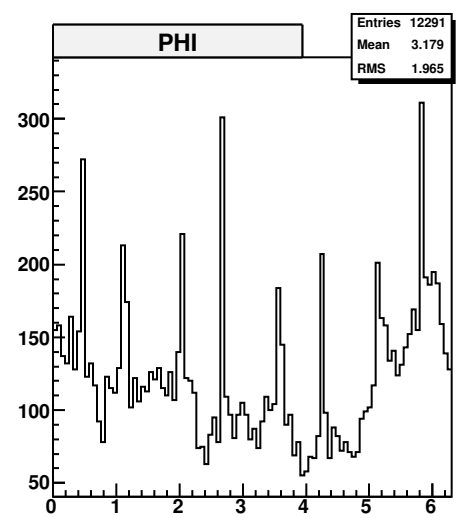

Layer vs Octant Famus S

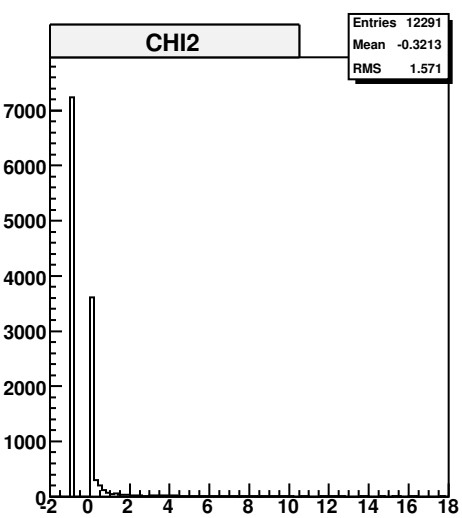
MuonMSC (All)

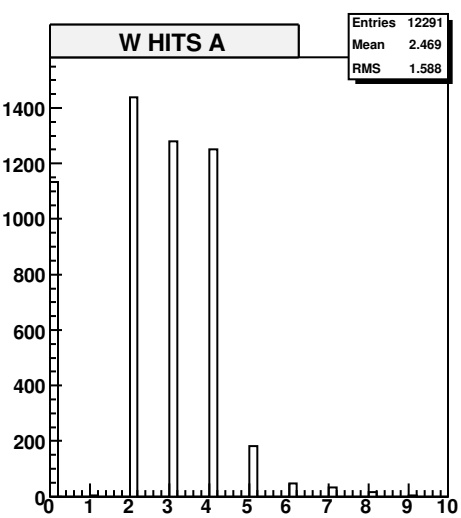


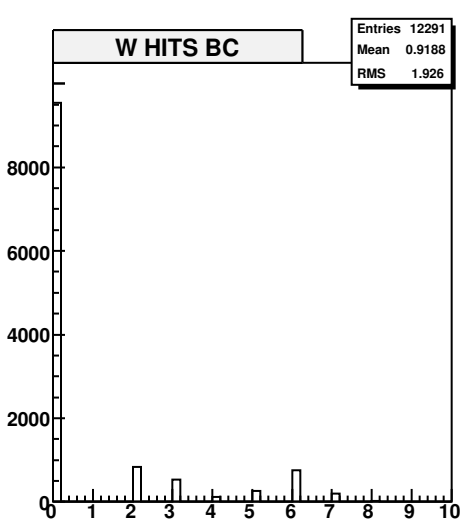


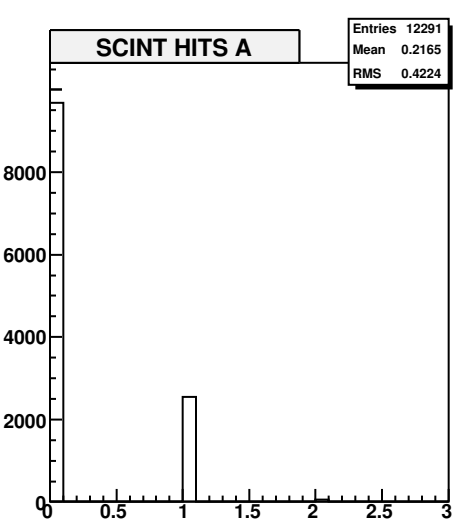


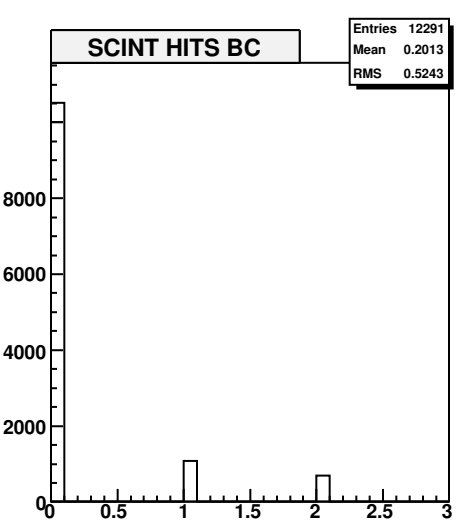




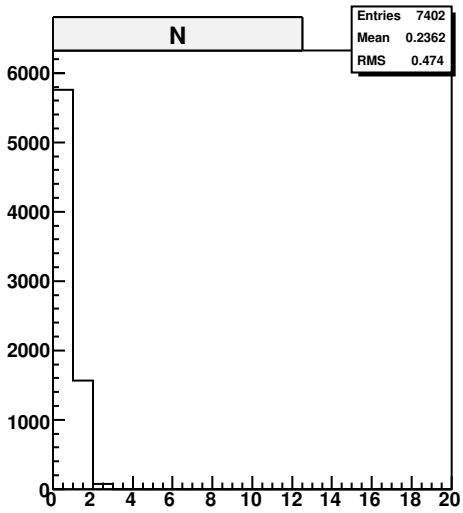


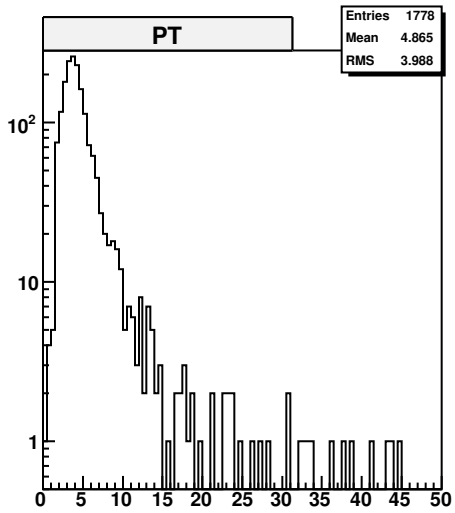


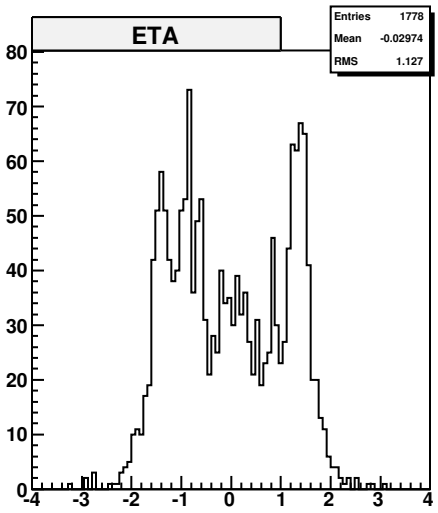


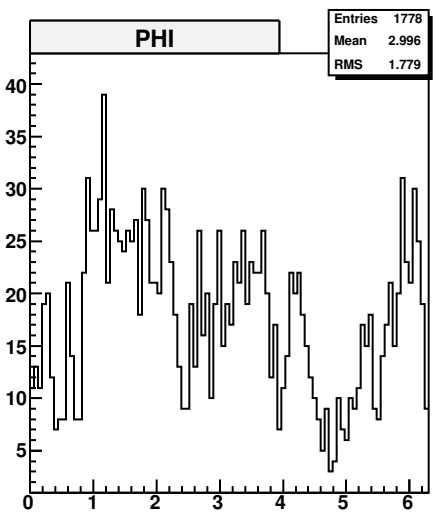


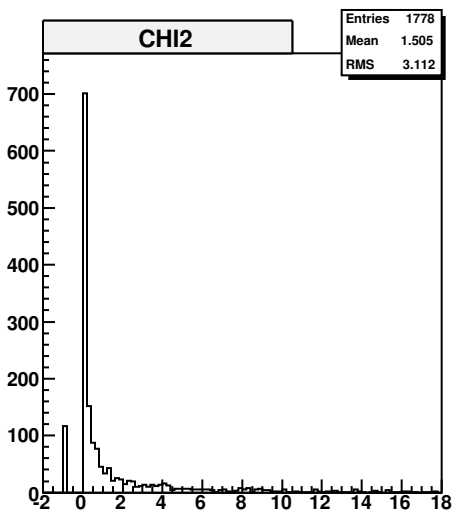
Muon Local Tracks (All)

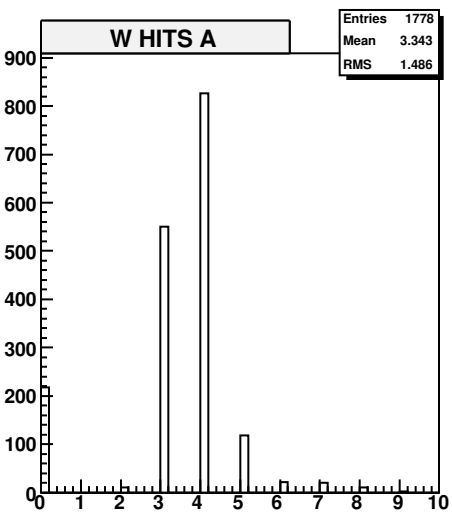


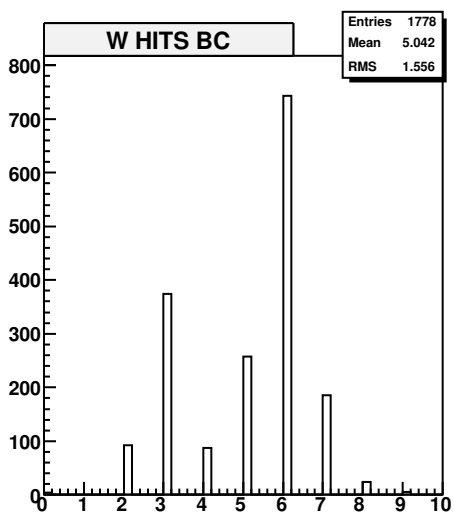


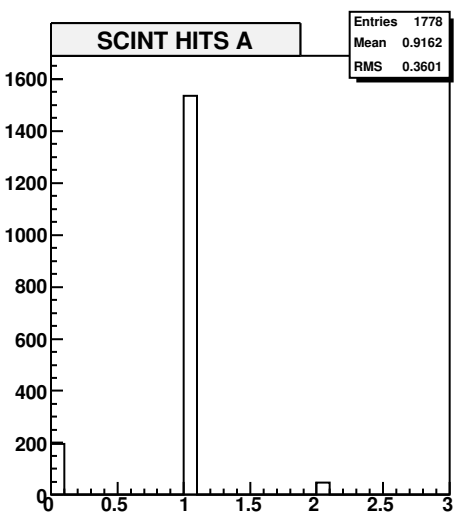


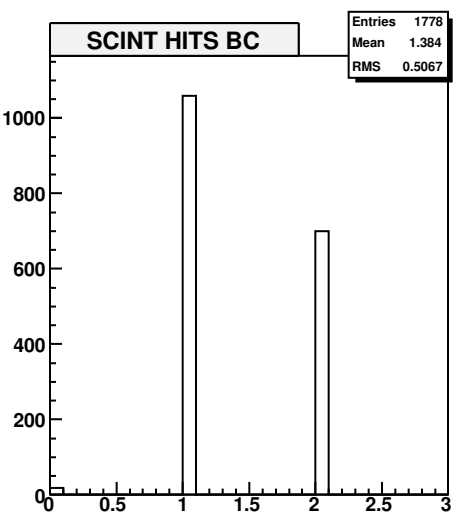




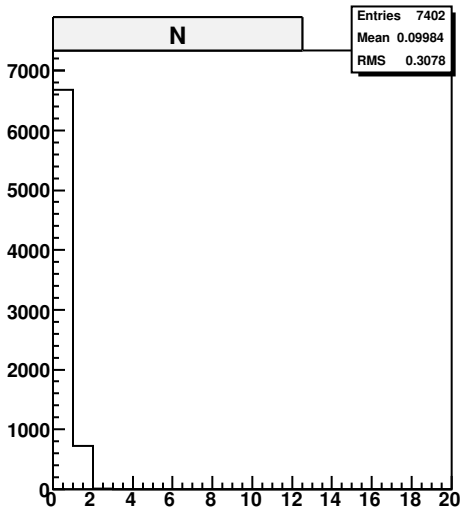


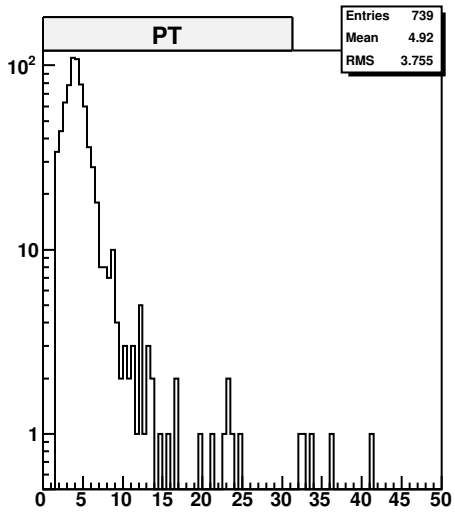


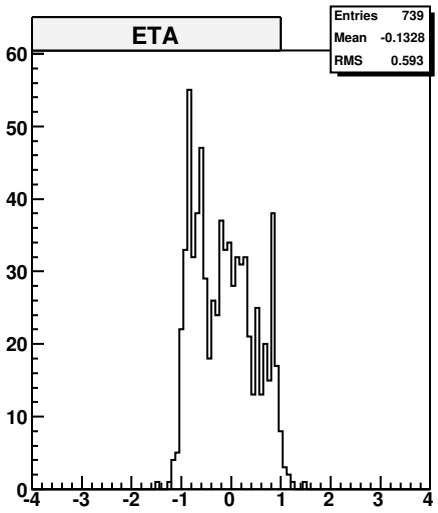


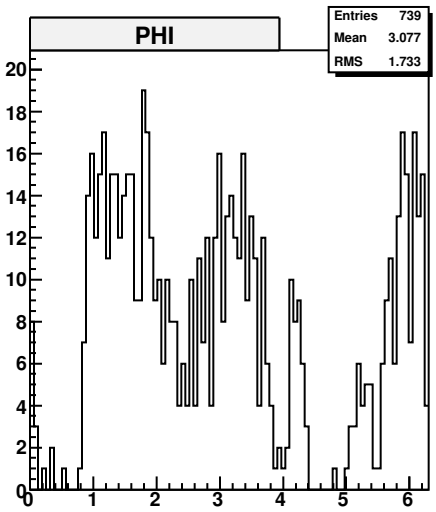


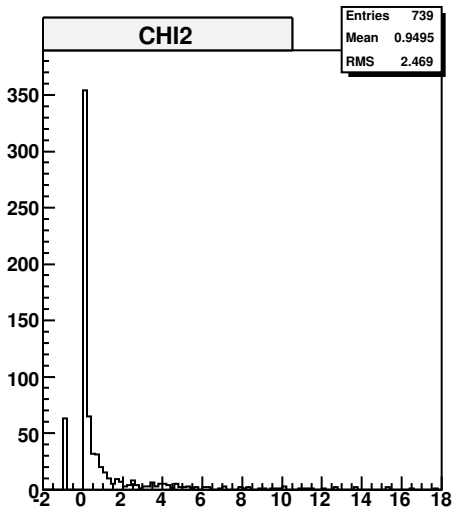
Muon Local Tracks (LooseWamus)

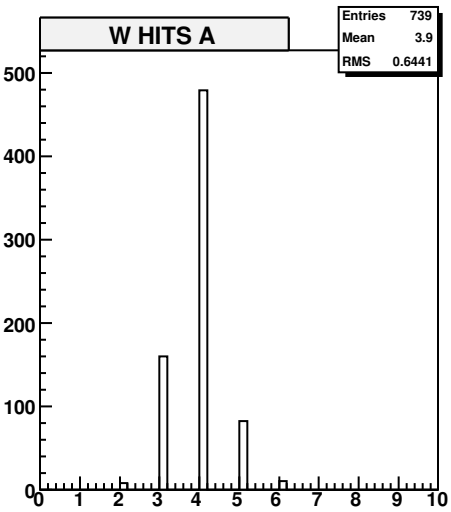


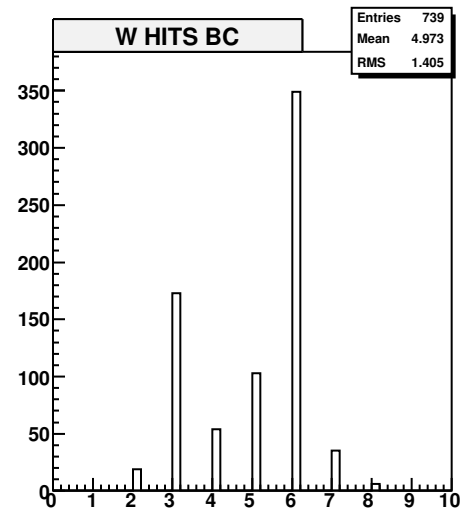


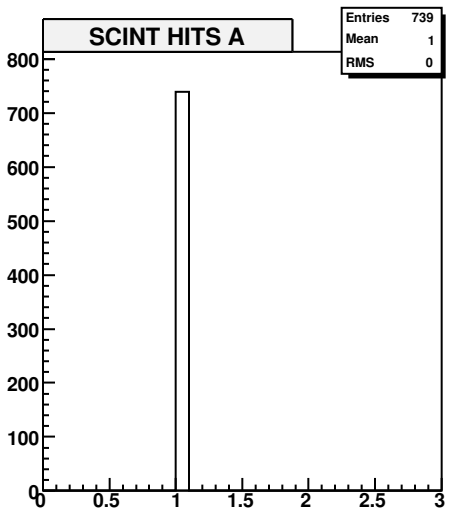


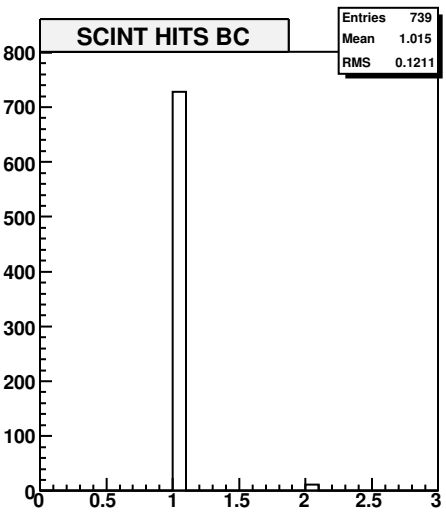




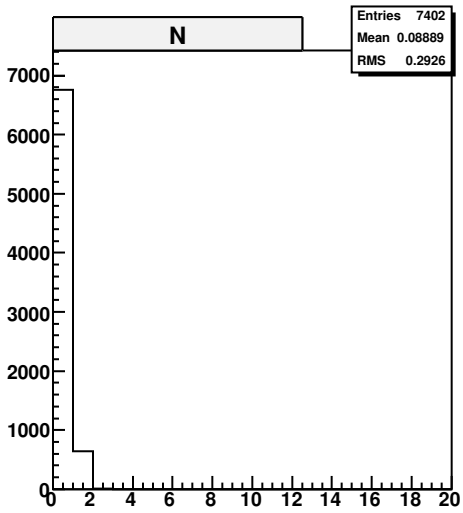


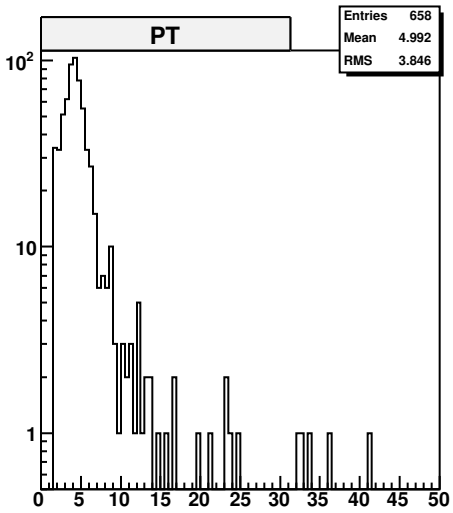


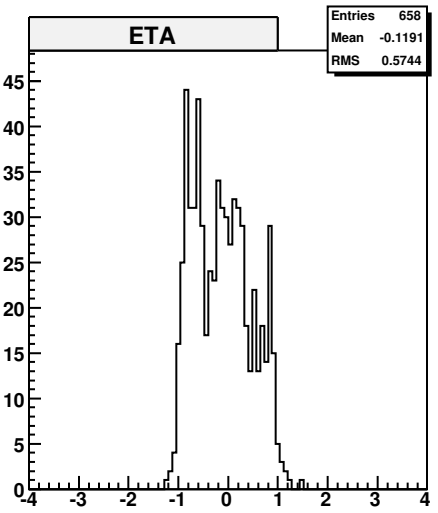


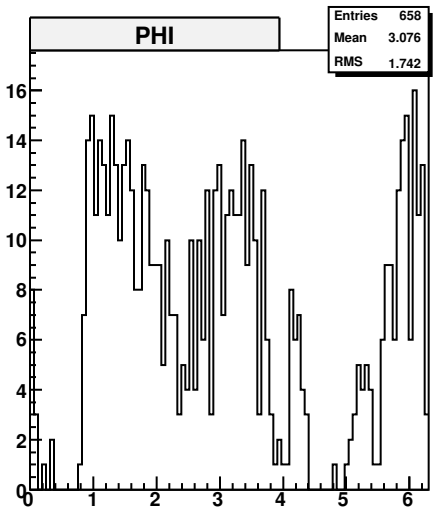


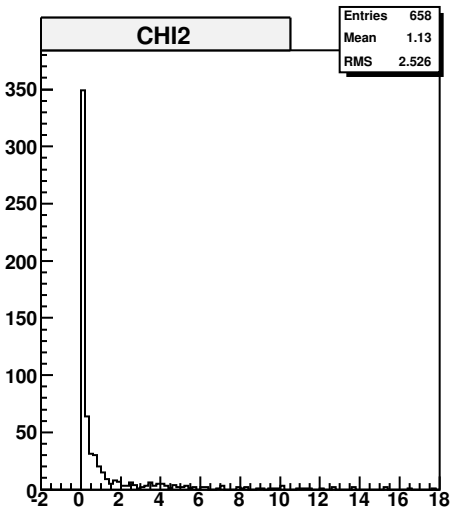
Muon Local Tracks (MediumWamus)

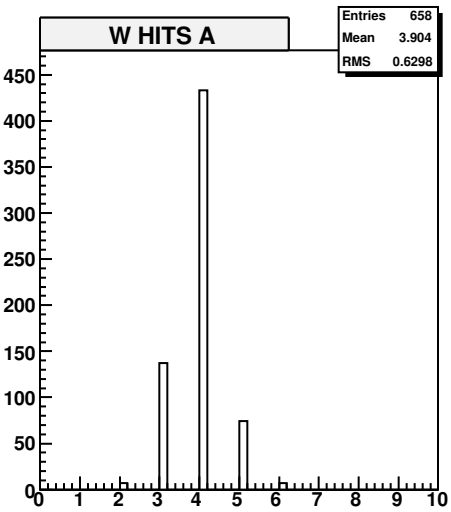


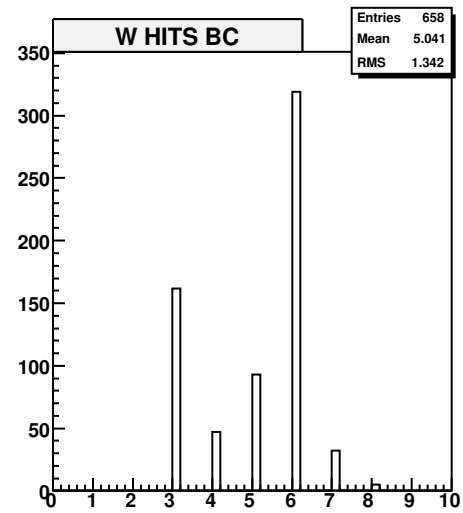


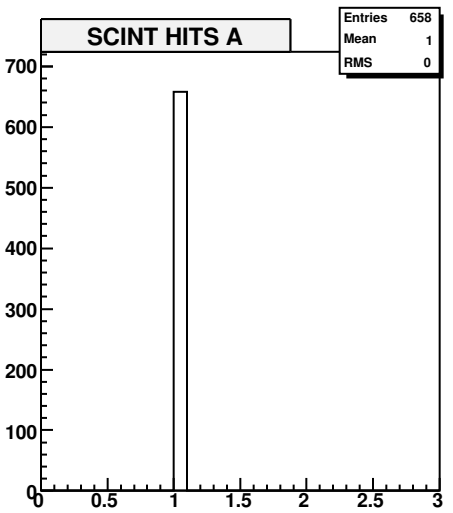


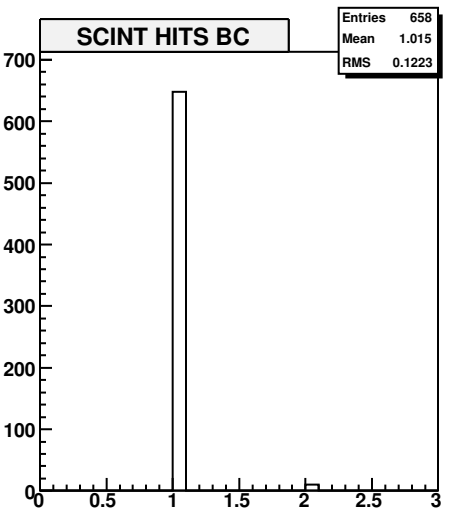




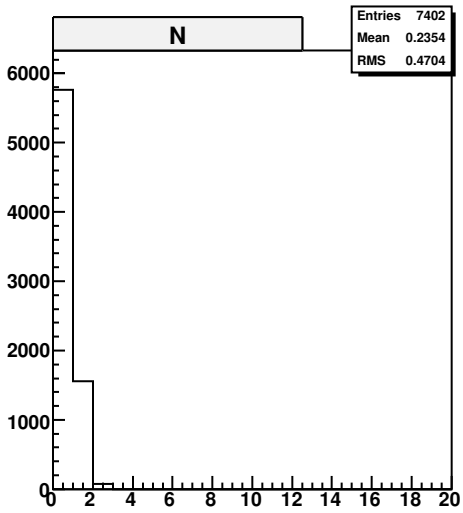


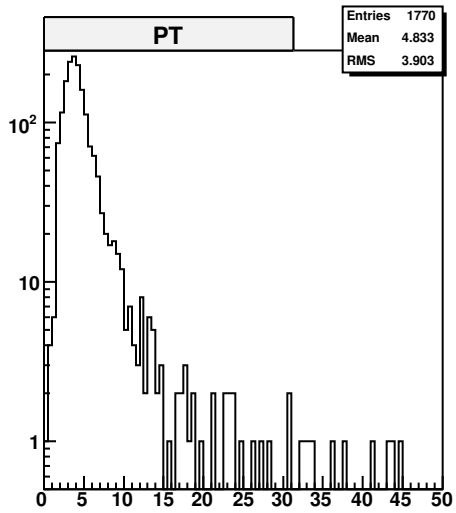


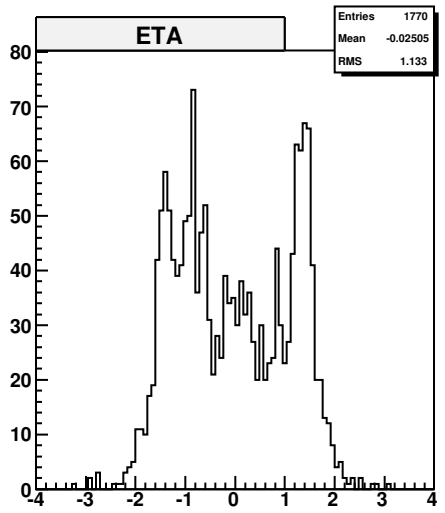


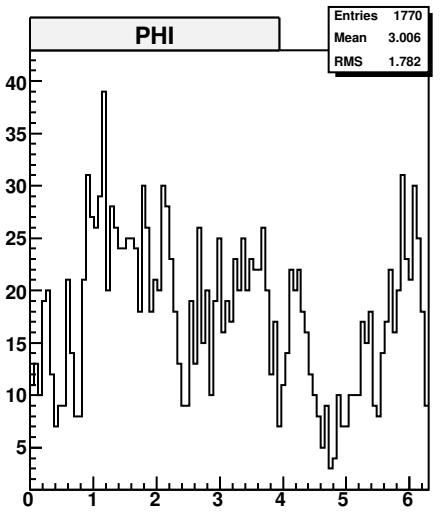


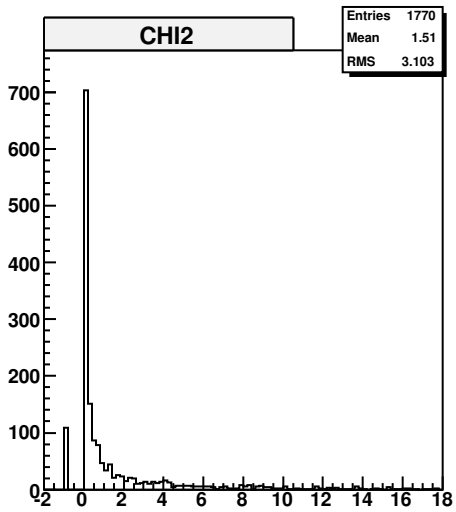
Muon Local Tracks (TightWamus)

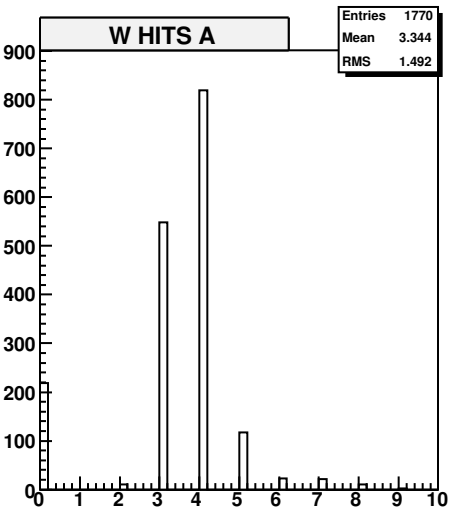


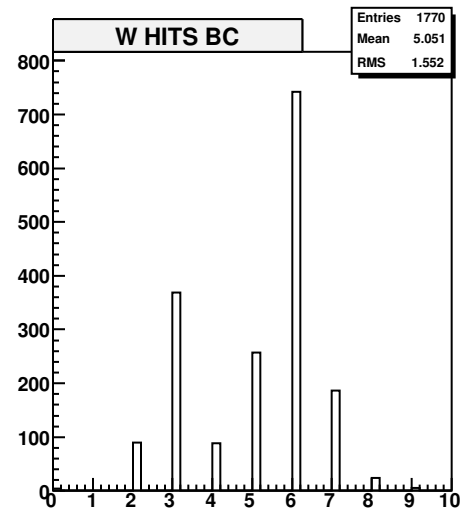


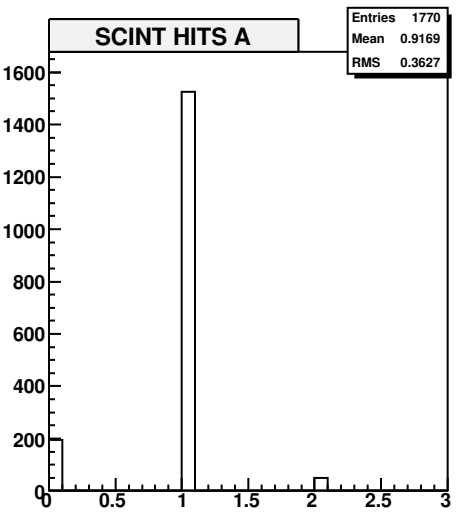


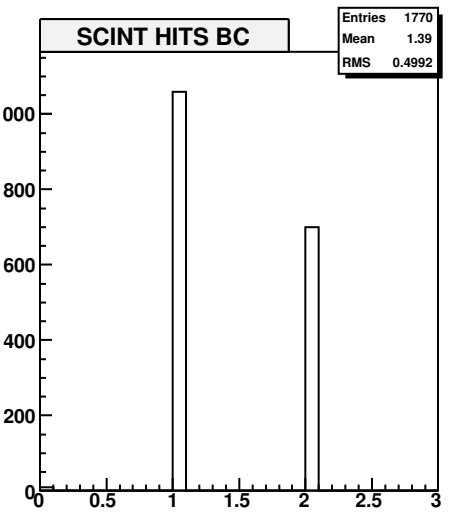




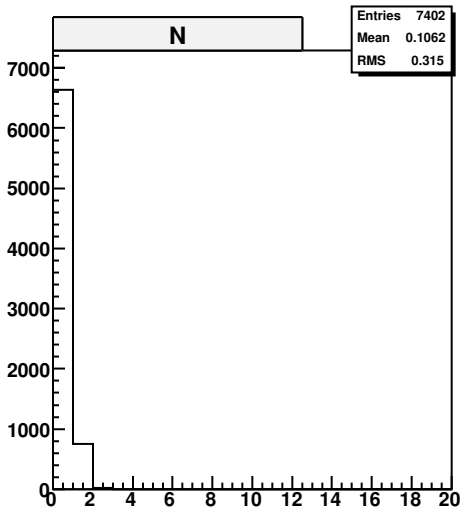


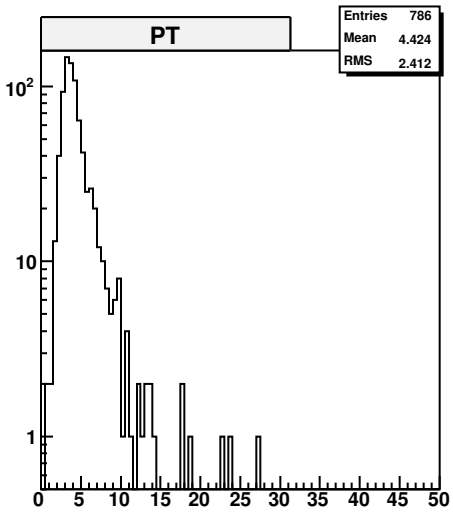


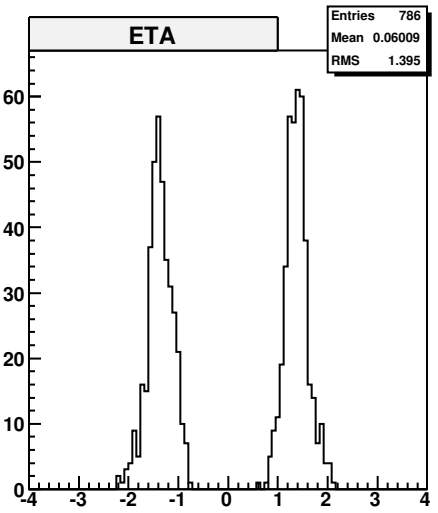


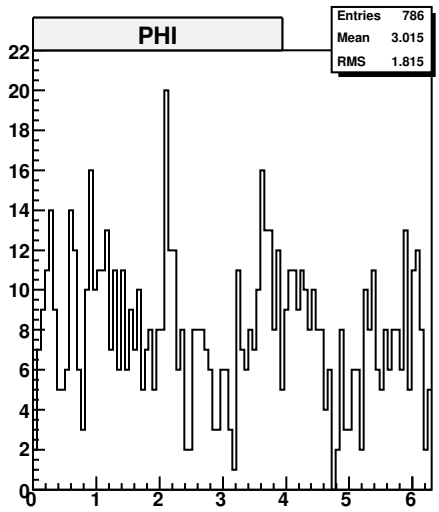


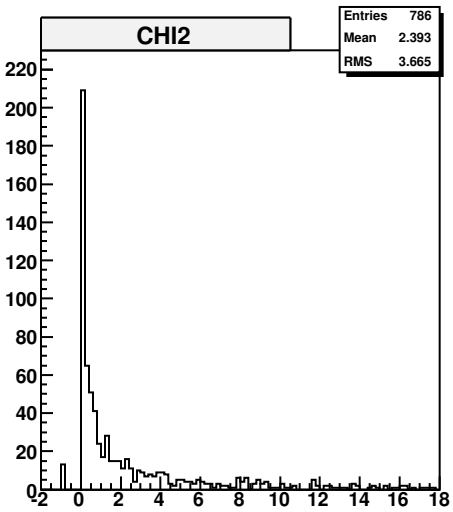
Muon Local Tracks (LooseFamus)

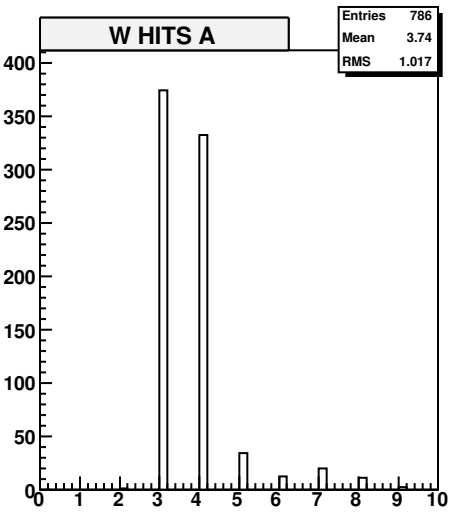


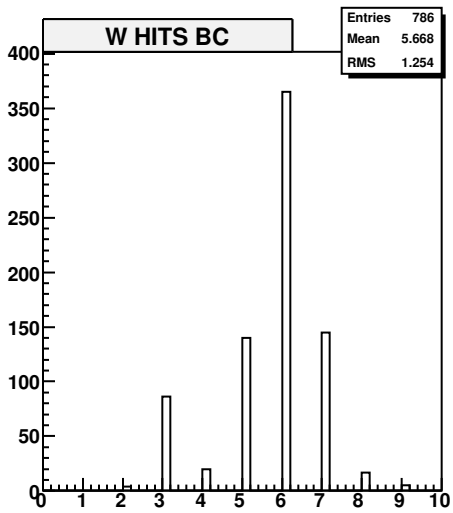


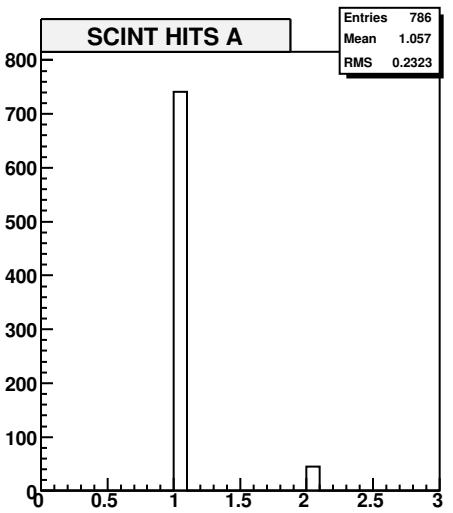


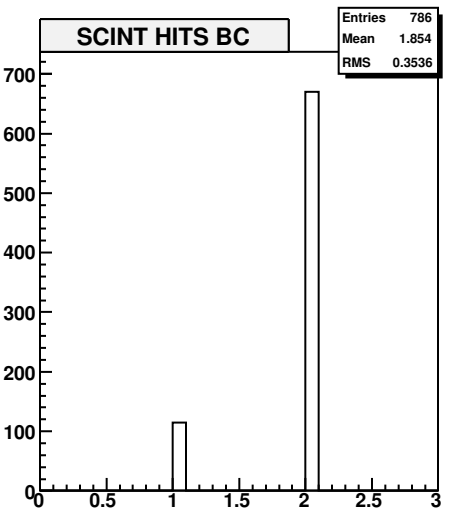




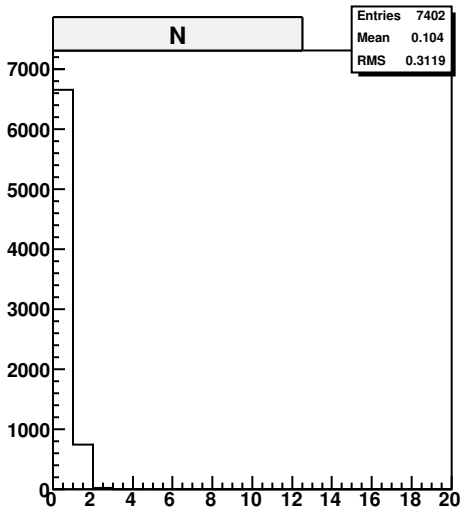


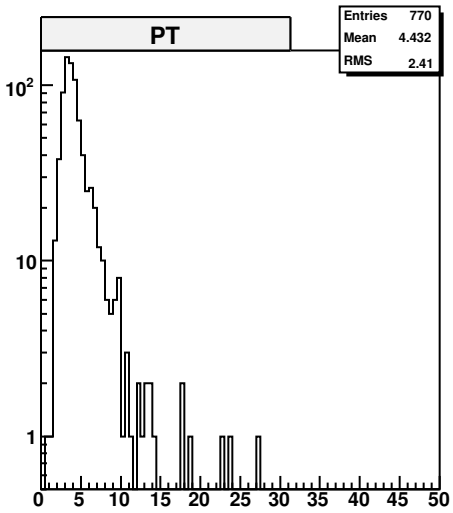


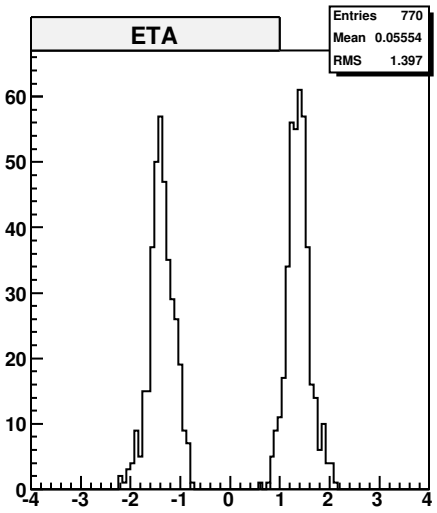


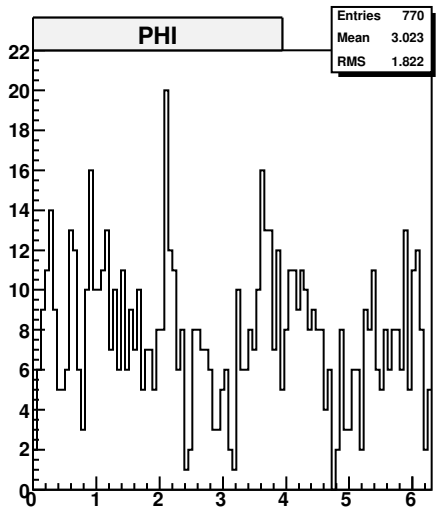


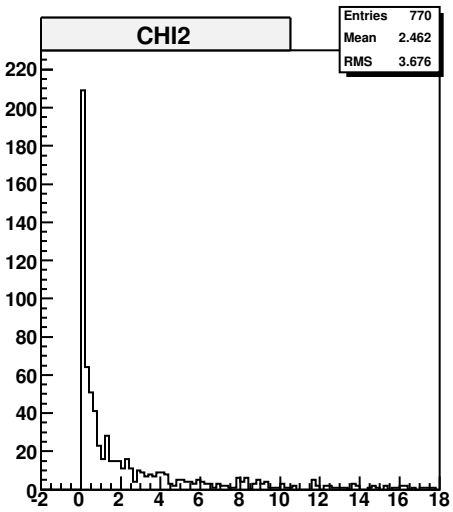
Muon Local Tracks (MediumFamus)

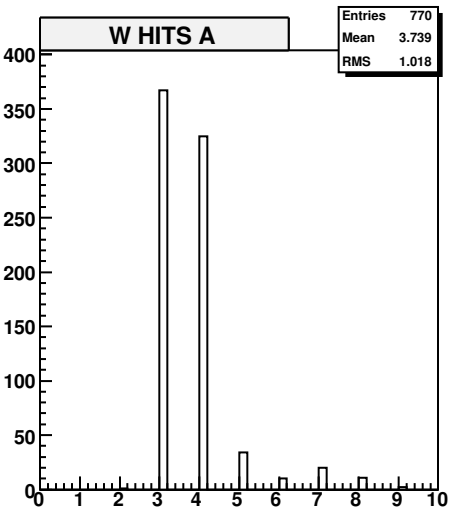


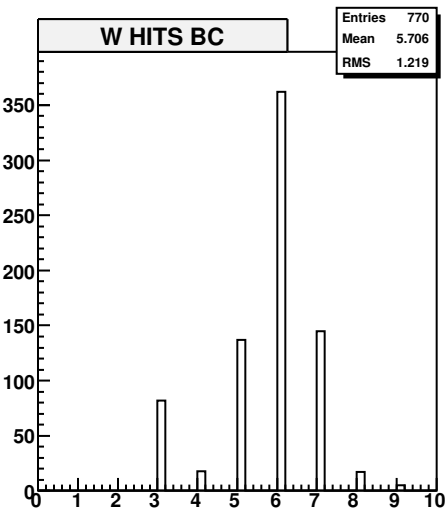


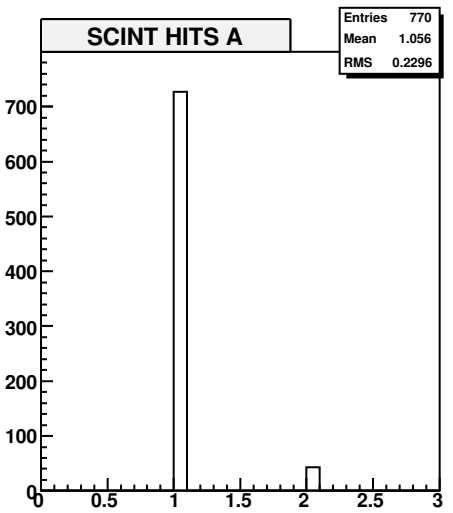


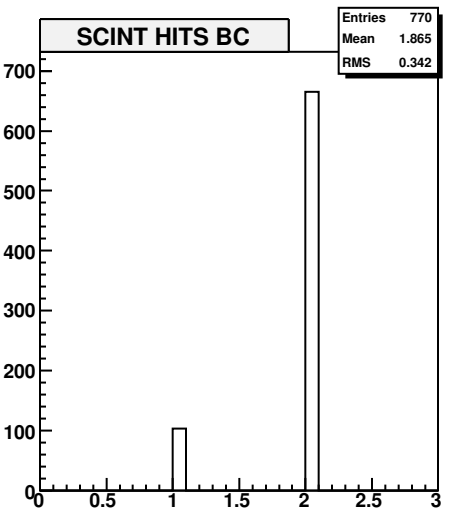




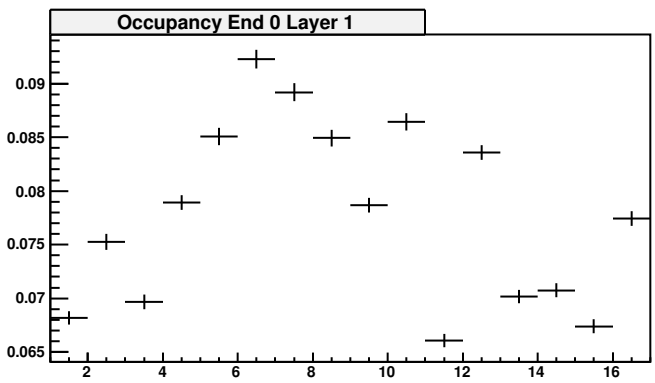


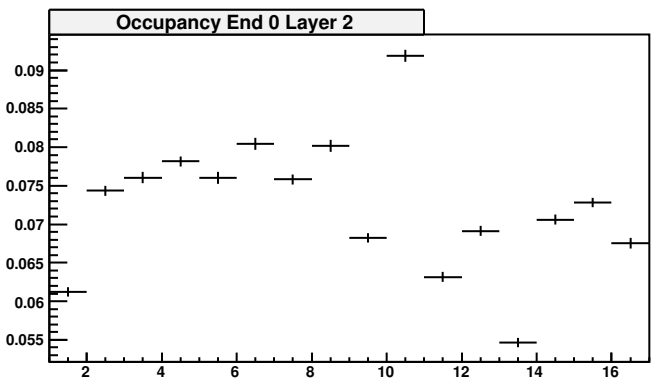


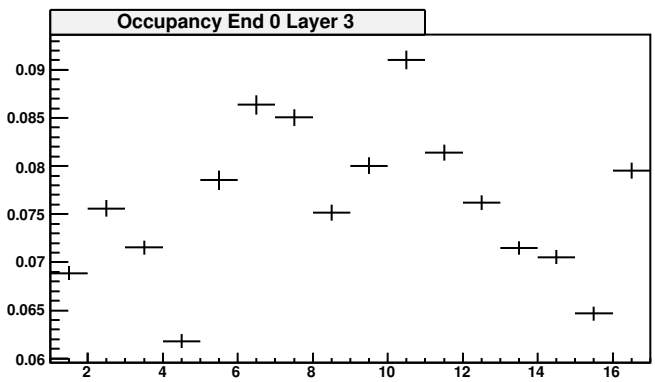


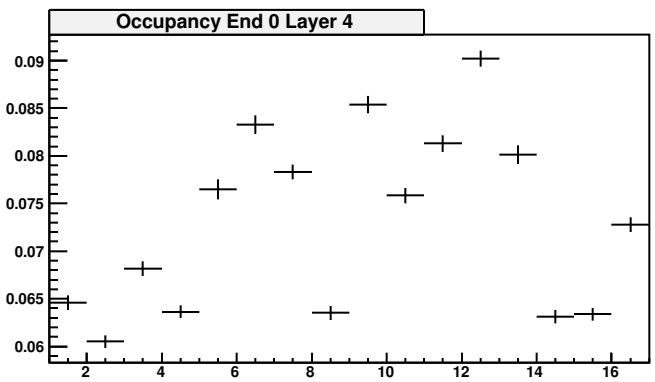


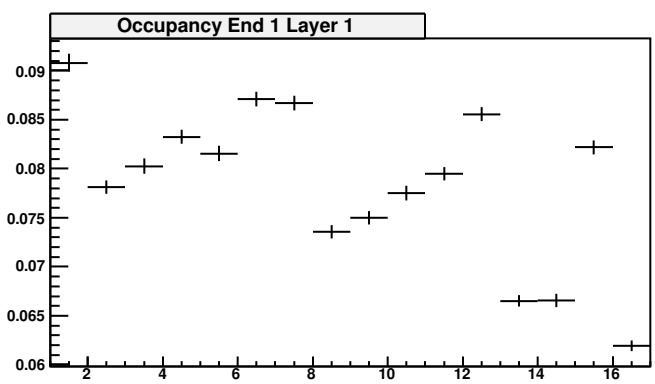
Muon Local Tracks (TightFamus)

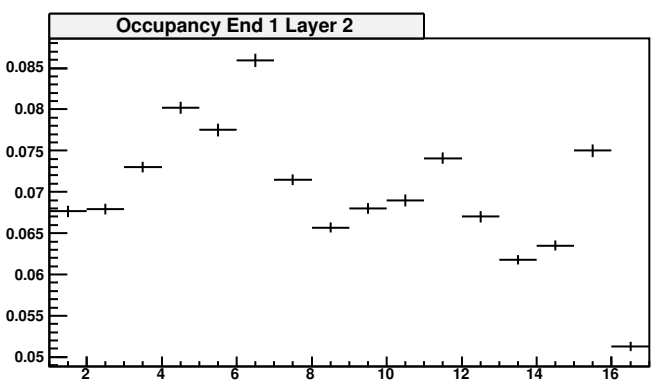


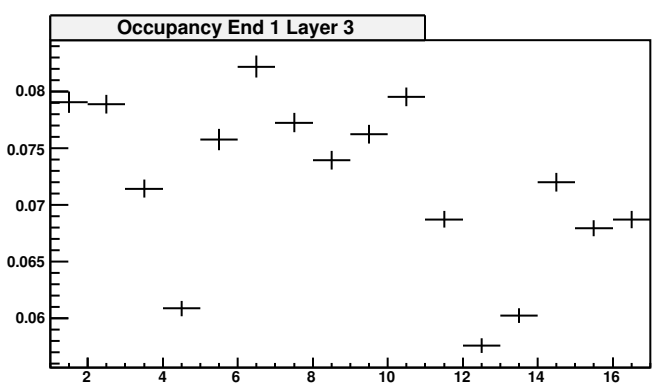


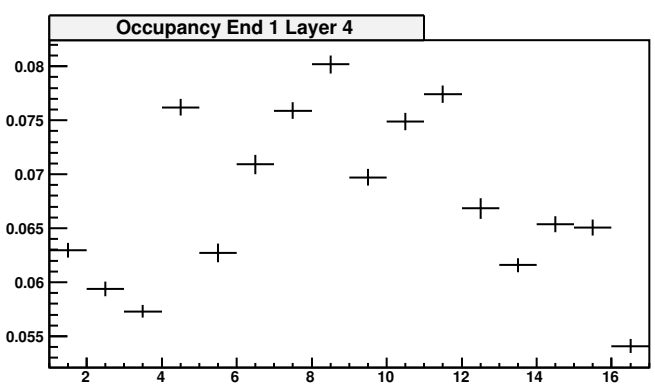




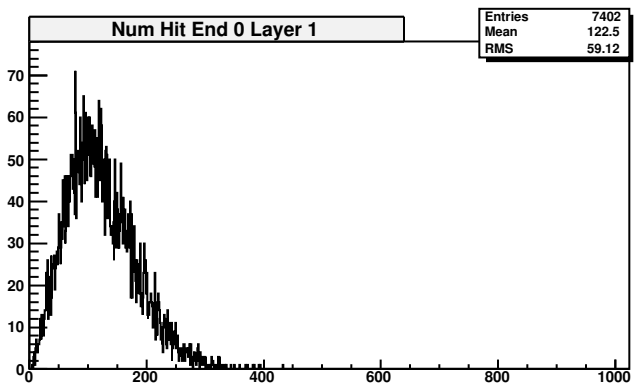


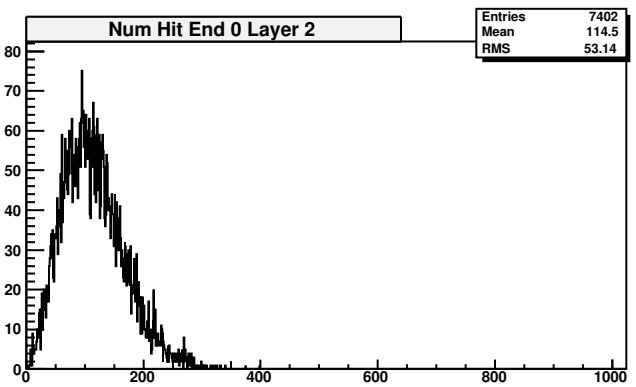


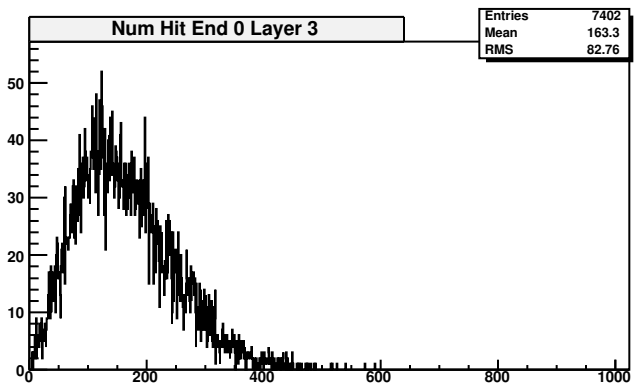


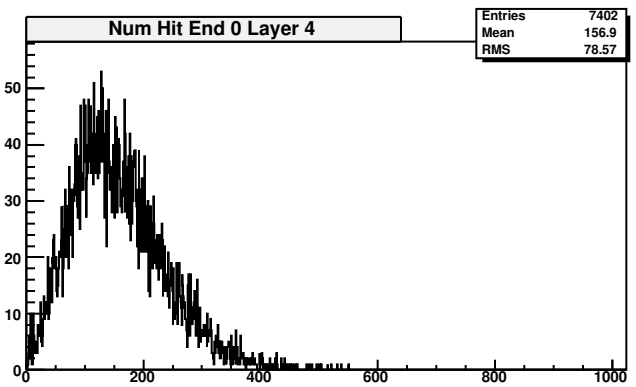


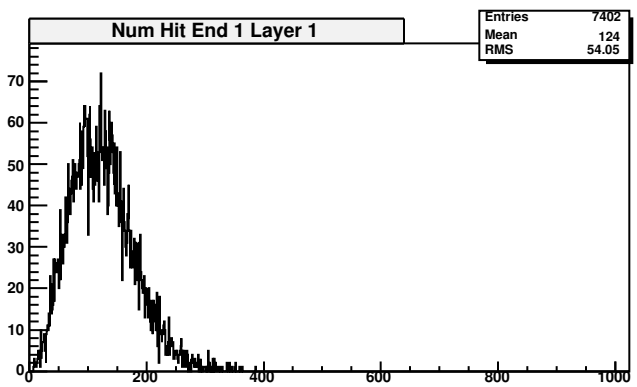
FPS Hit Occupancy (All)

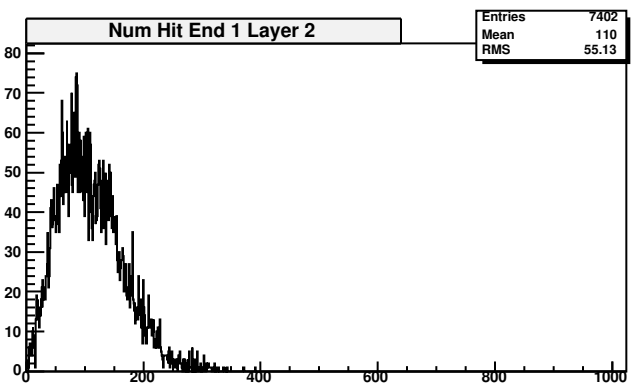


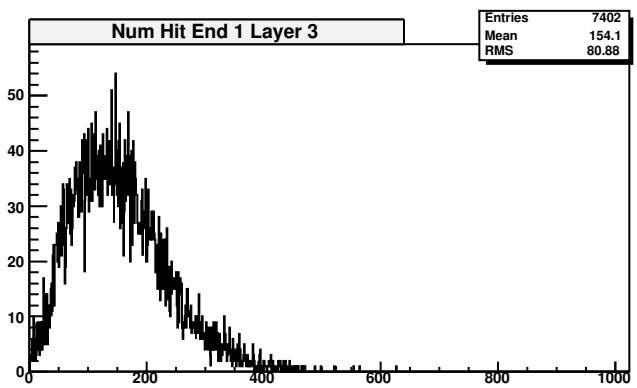


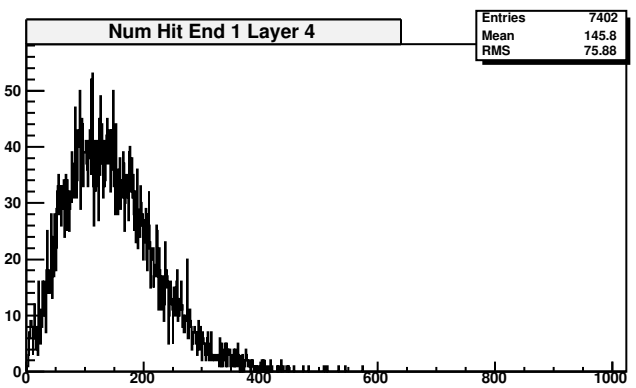




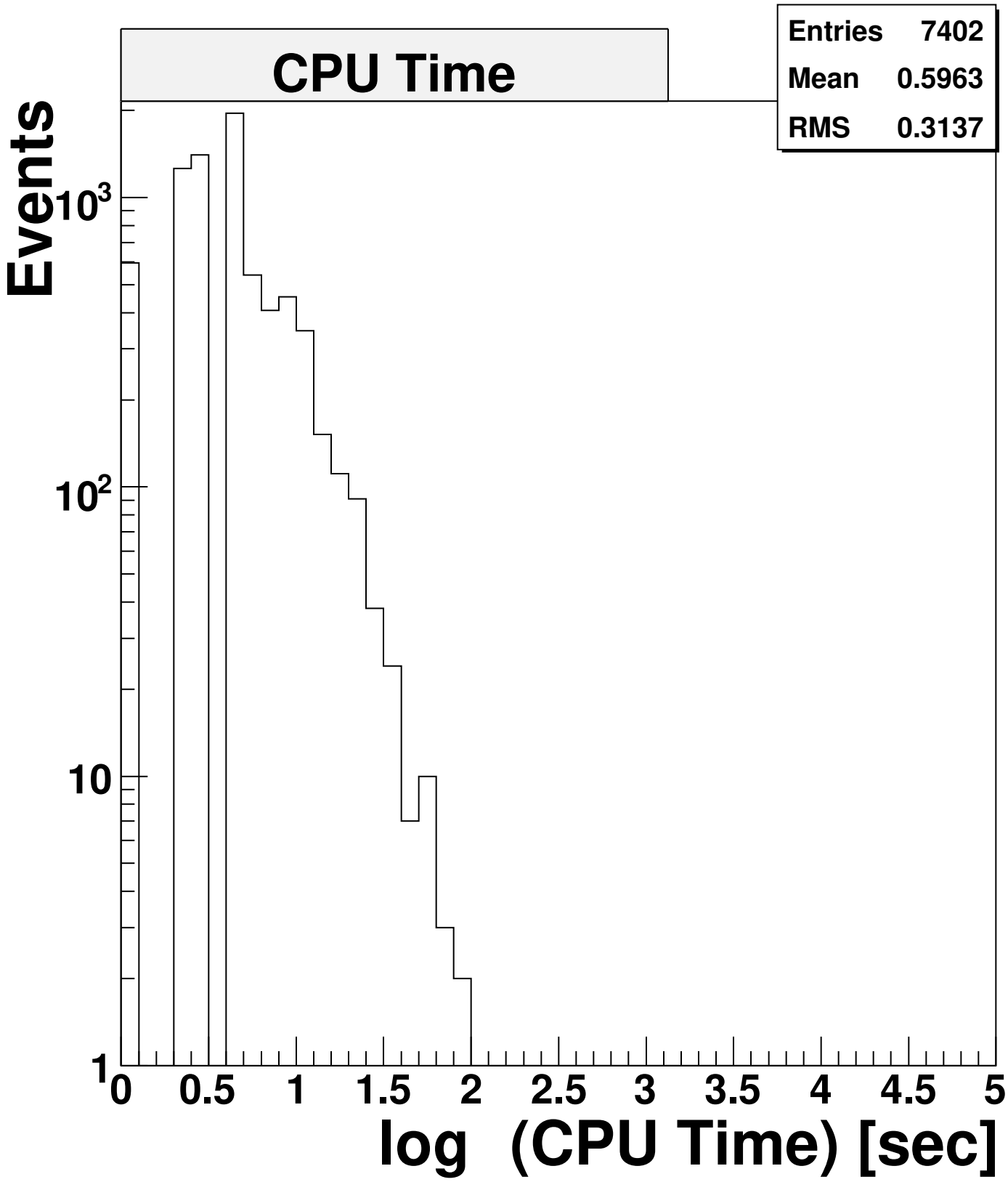








FPS Number of Hits (All)



RECO Performance (Timing)