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p201201b1_r240071.root

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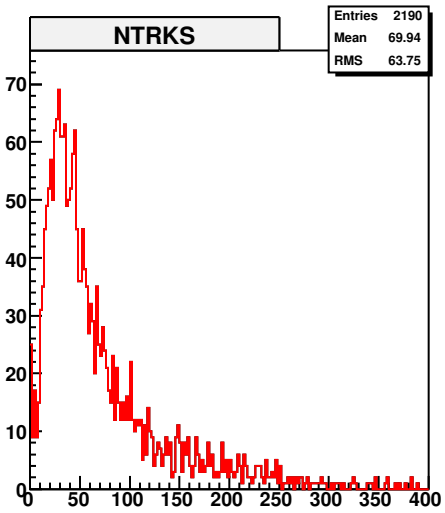
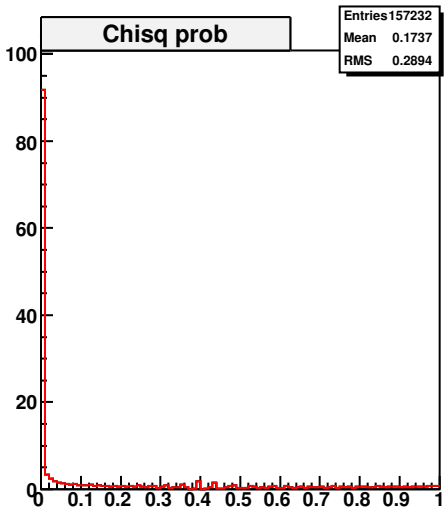
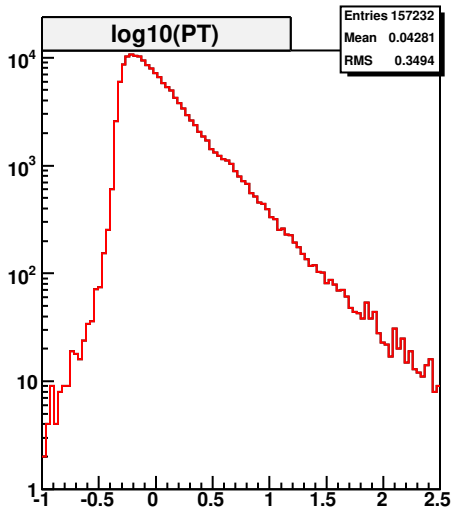
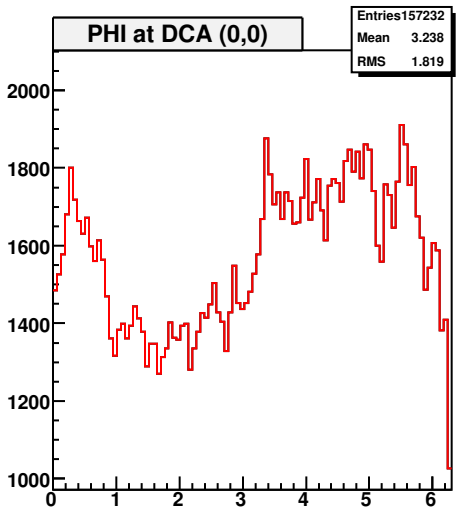
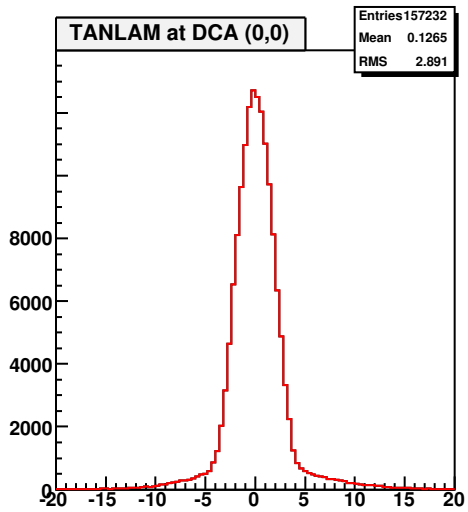
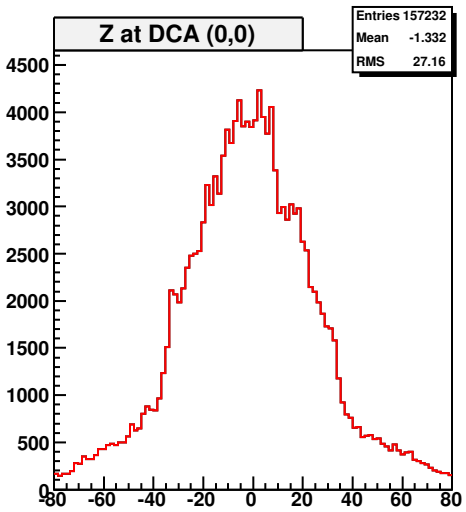

NTRKS
Entries 2190
Mean 69.94
RMS 63.75

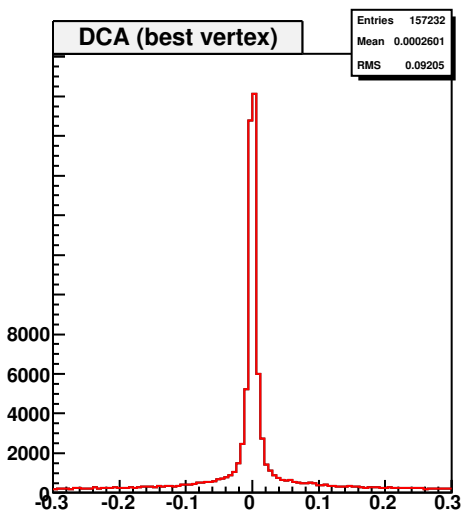

Chisq prob
Entries 157232
Mean 0.1737
RMS 0.2894

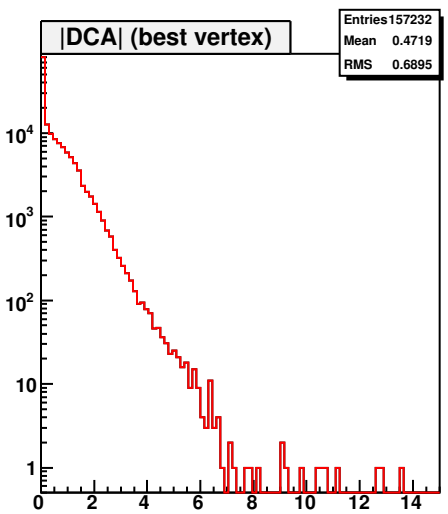

log10(PT)
Entries 157232
Mean 0.04281
RMS 0.3494

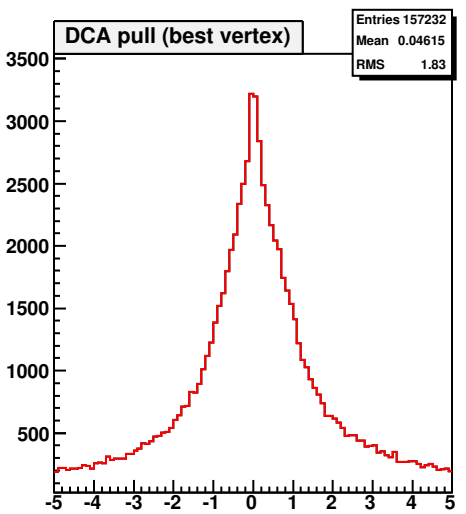

PHI at DCA (0,0)
Entries 157232
Mean 3.238
RMS 1.819


TANLAM at DCA (0,0)
Entries 157232
Mean 0.1265
RMS 2.891

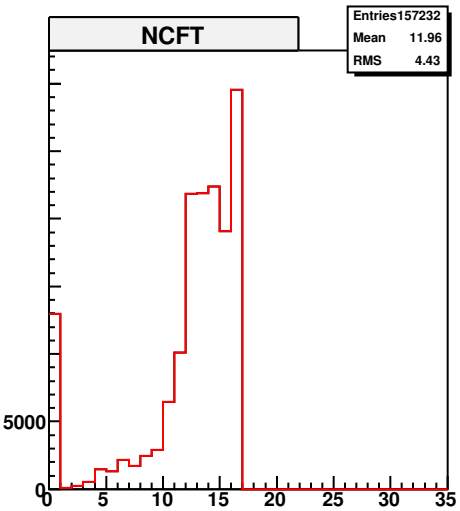

Z at DCA (0,0)
Entries 157232
Mean -1.332
RMS 27.16

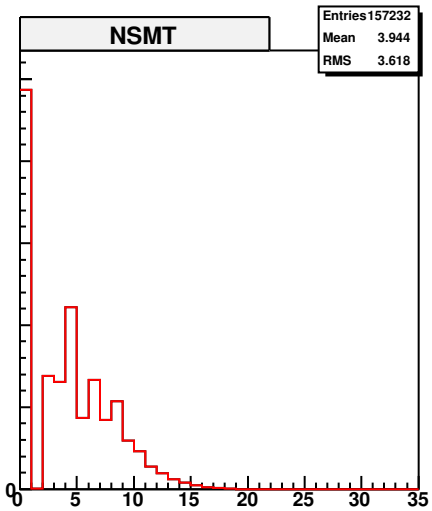

DCA (best vertex)
Entries 157232
Mean 0.0002601
RMS 0.09205

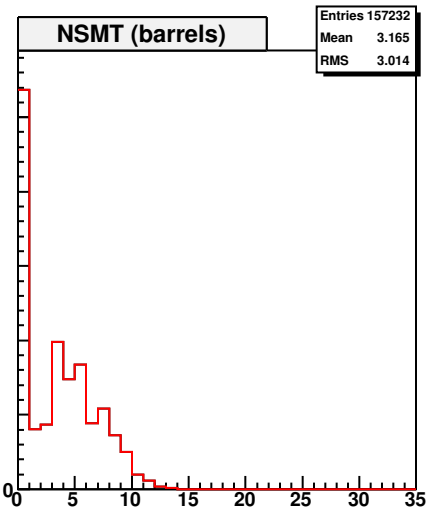

|DCA| (best vertex)
Entries 157232
Mean 0.4719
RMS 0.6895

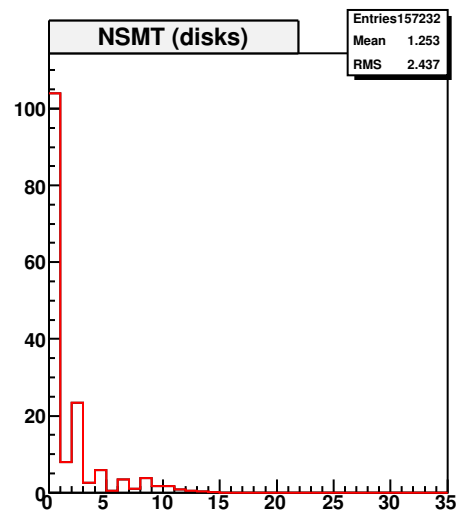

DCA pull (best vertex)
Entries 157232
Mean 0.04615
RMS 1.83

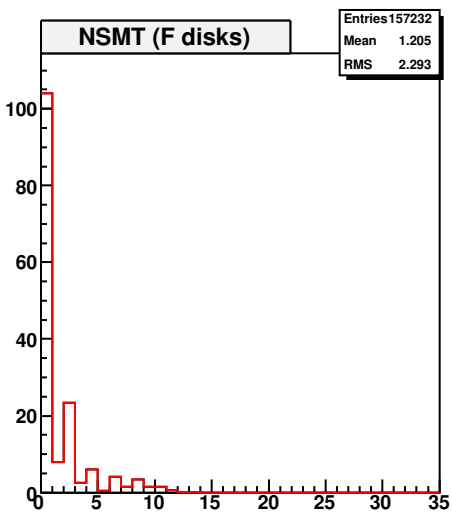
Tracks (All)

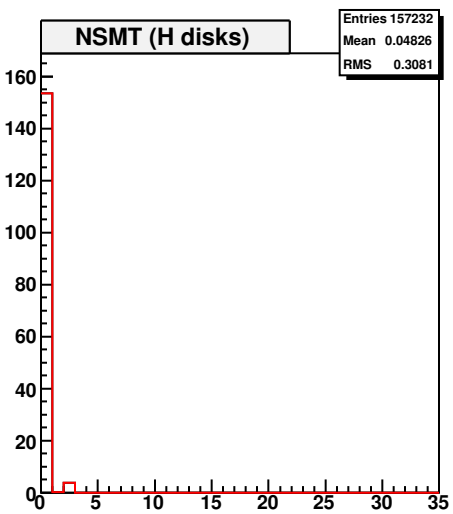


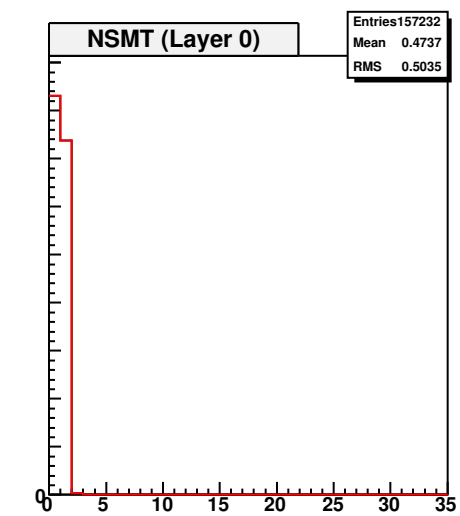




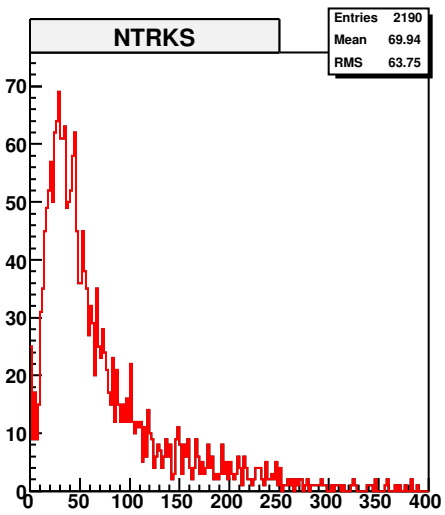


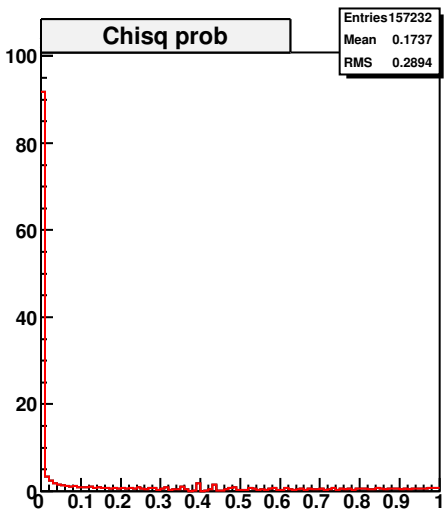


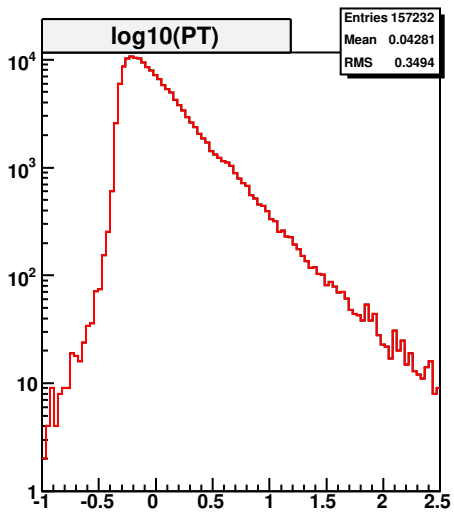


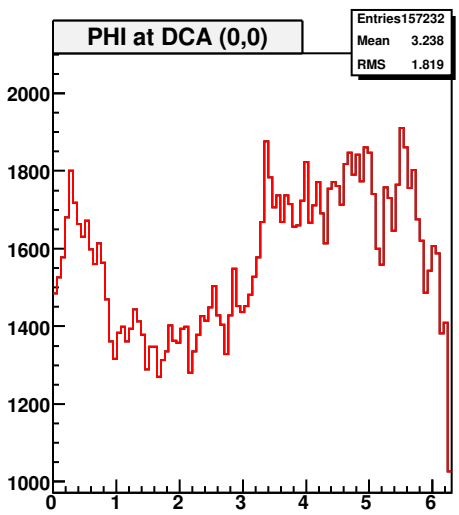


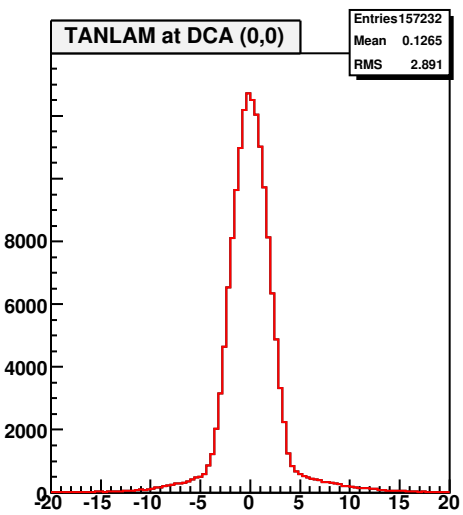
Track Hits (All)

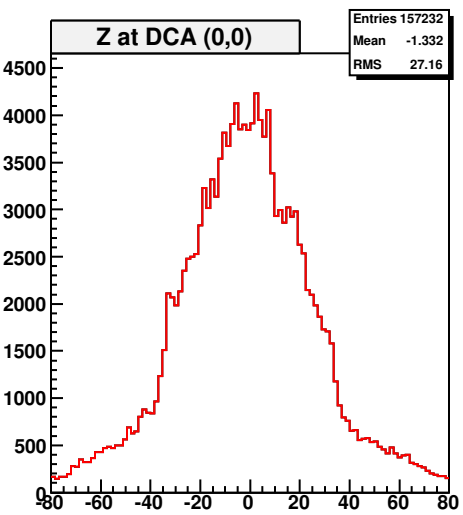


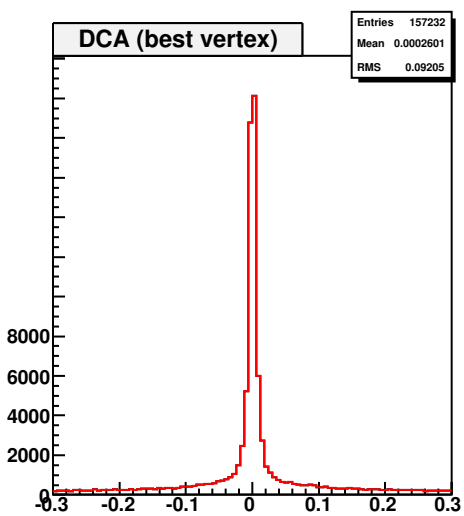


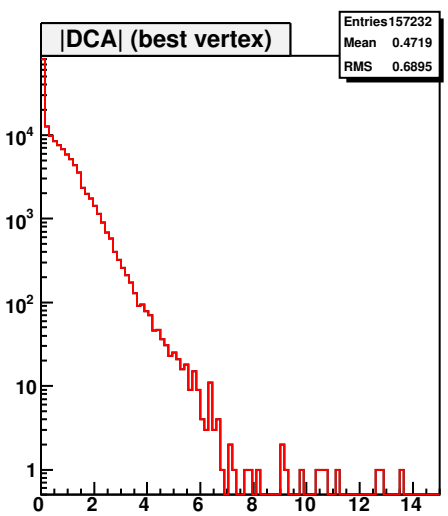


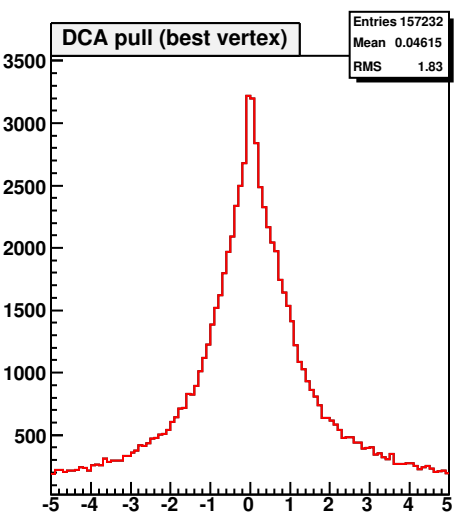




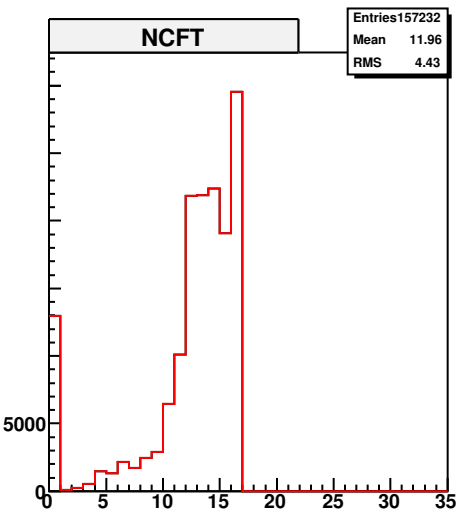


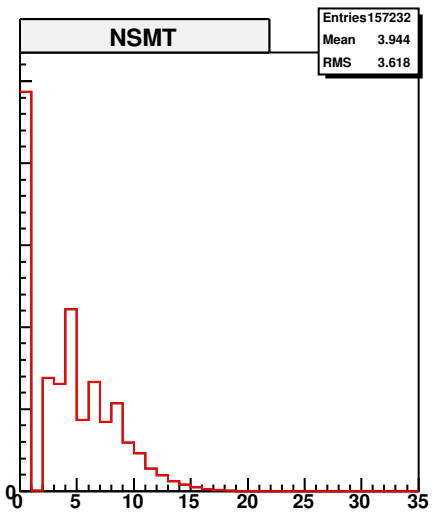


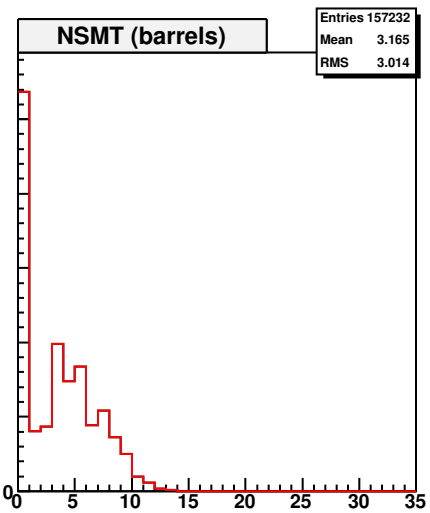


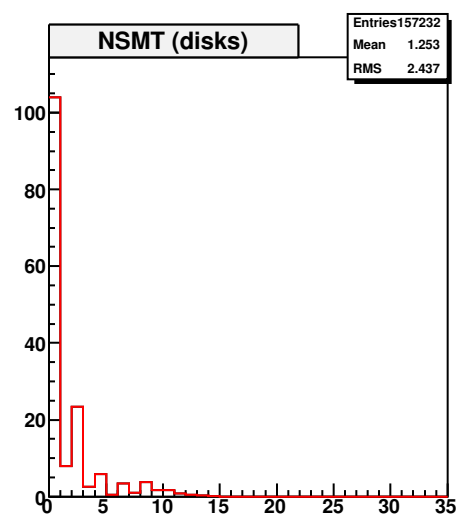


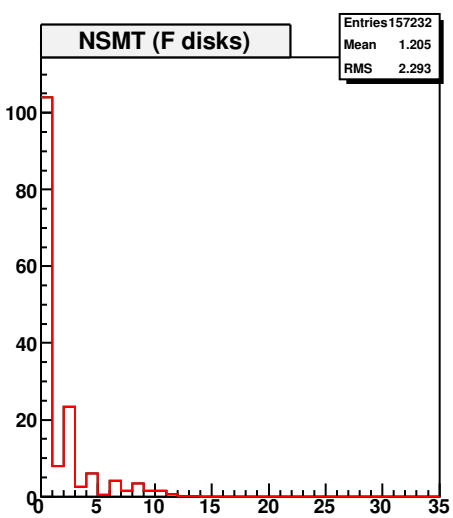
Tracks (Tight)

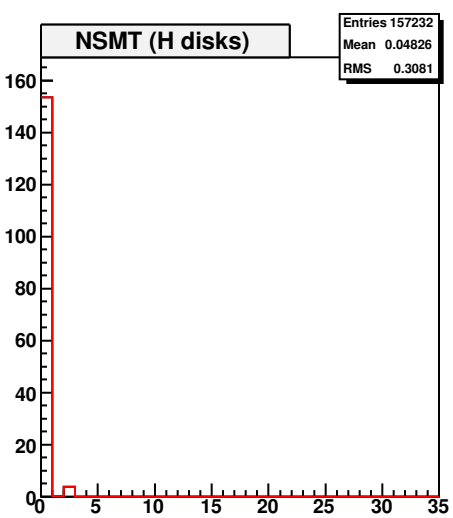


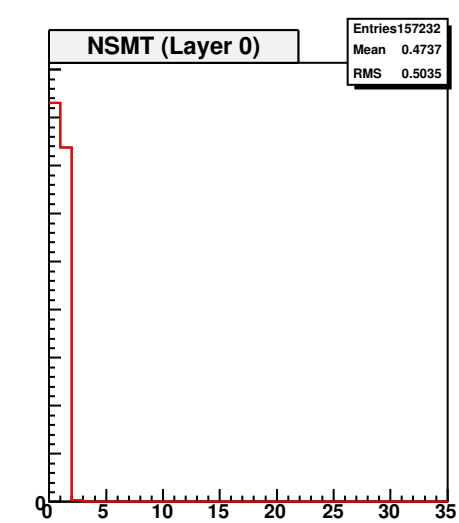




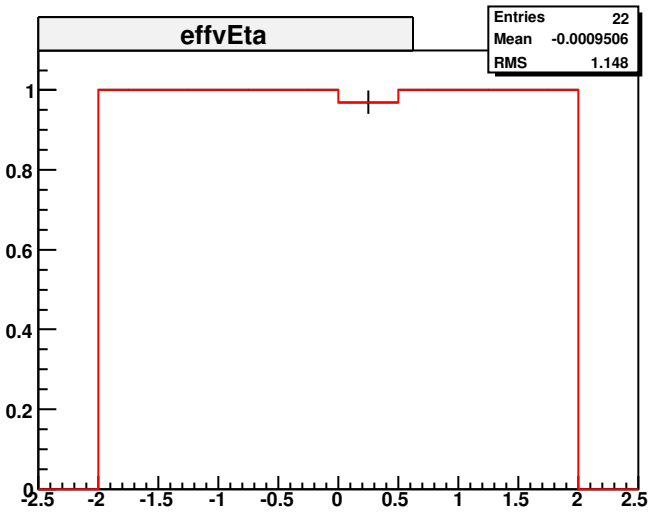


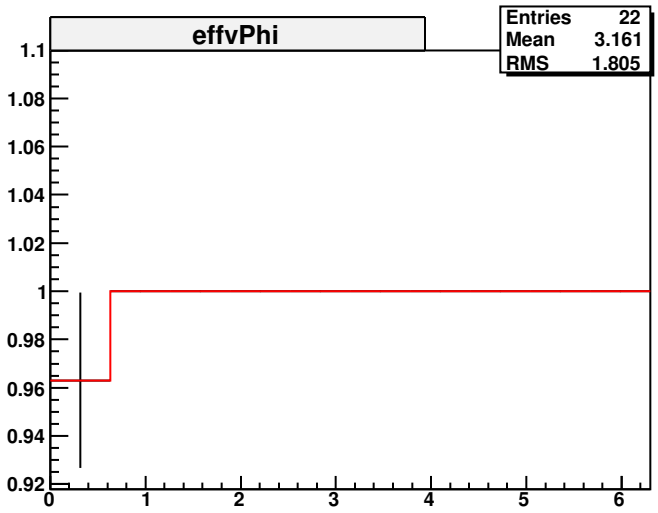


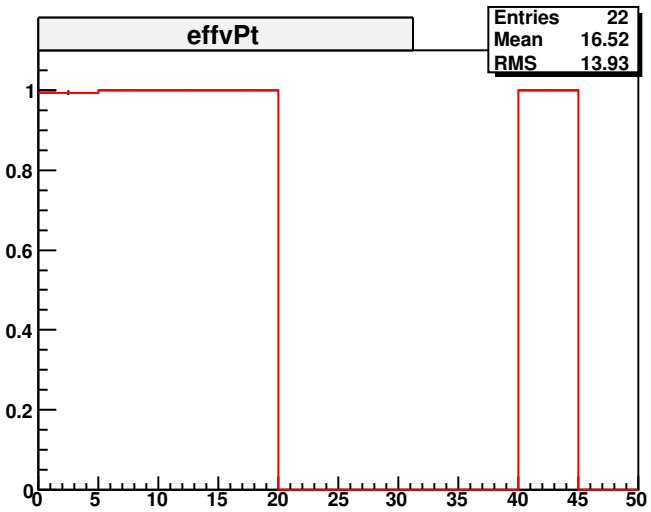


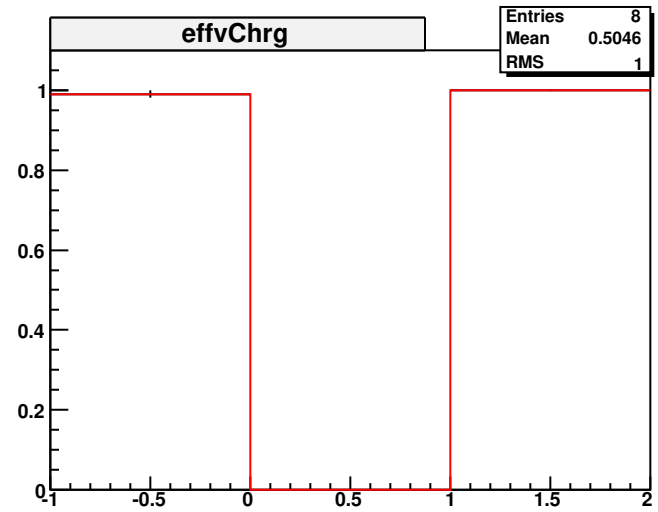


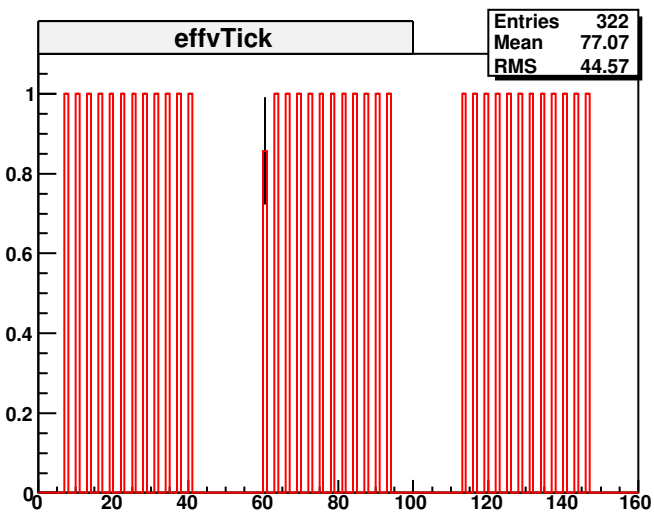
Track Hits (Tight)

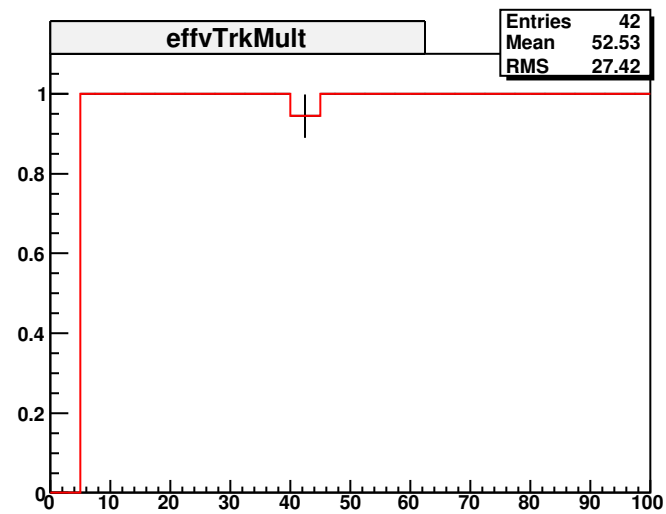




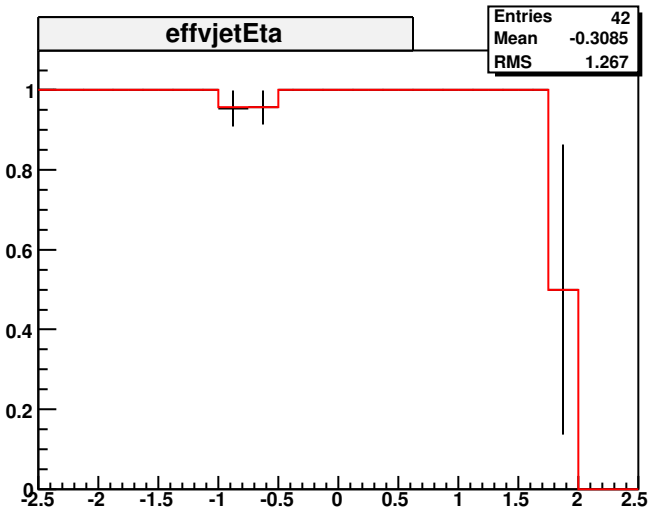


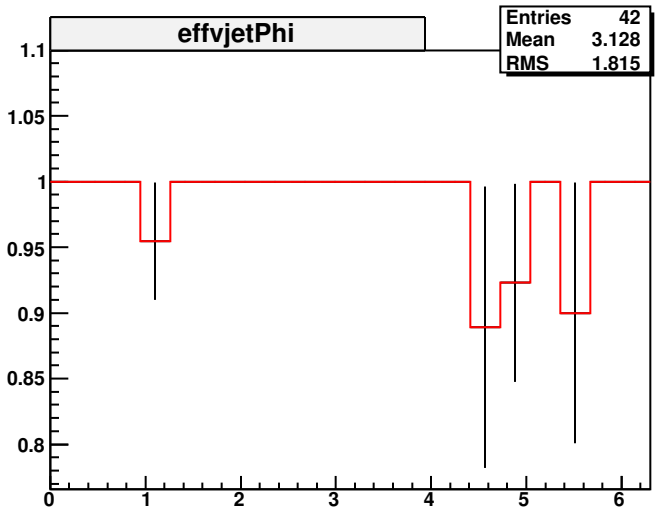


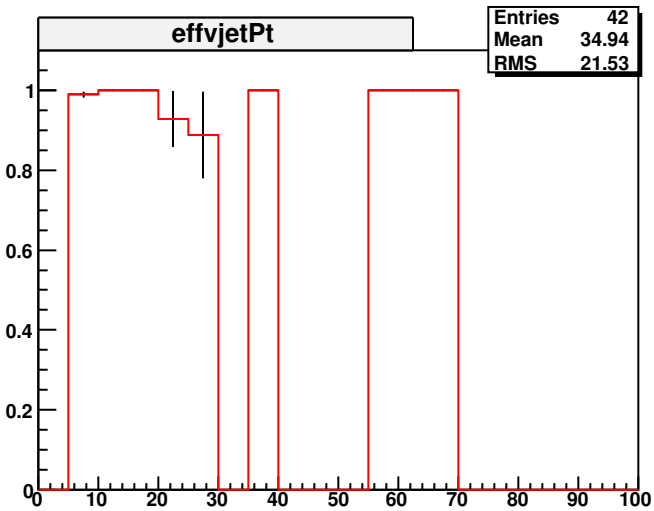




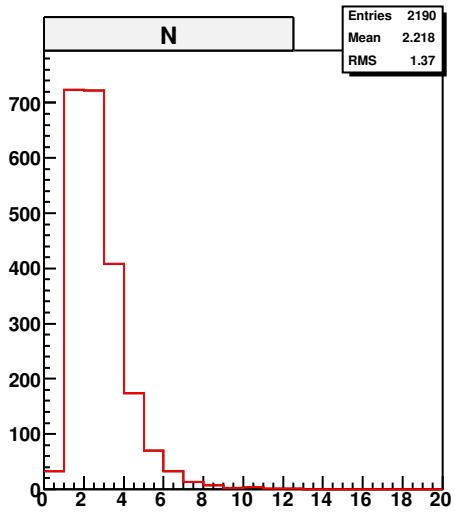
Tracking (Efficiency-Isolated)

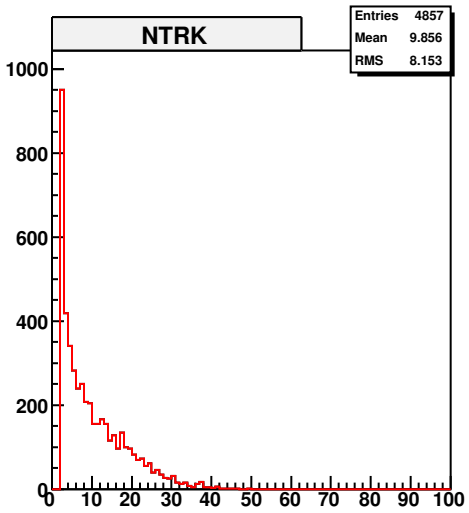


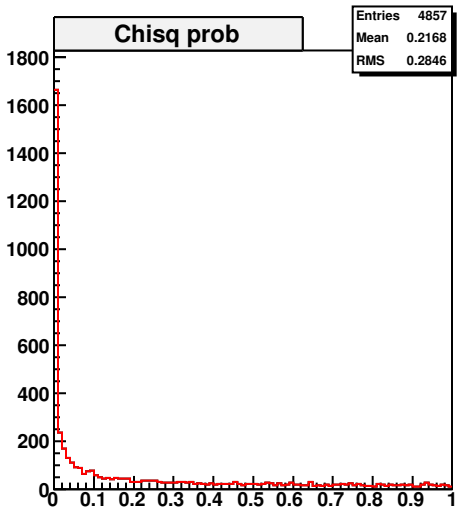


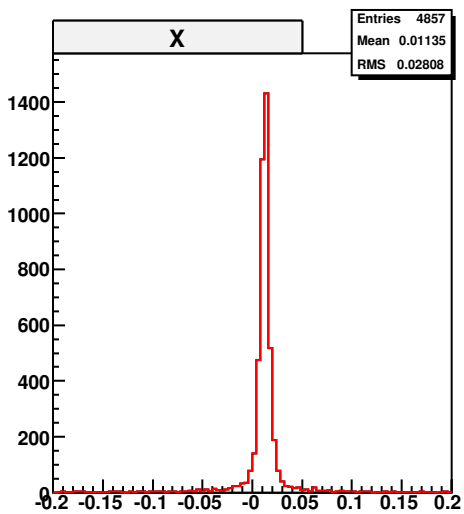


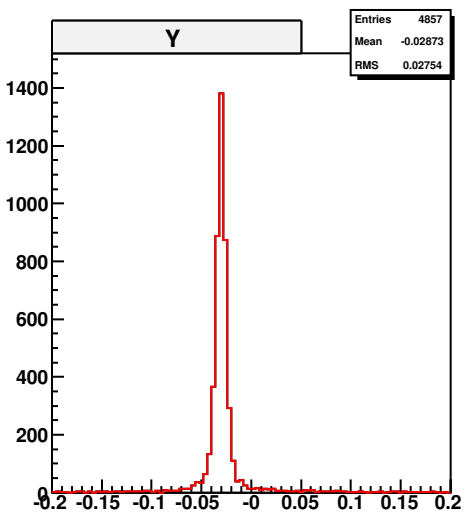
Tracking (Efficiency-InJets)

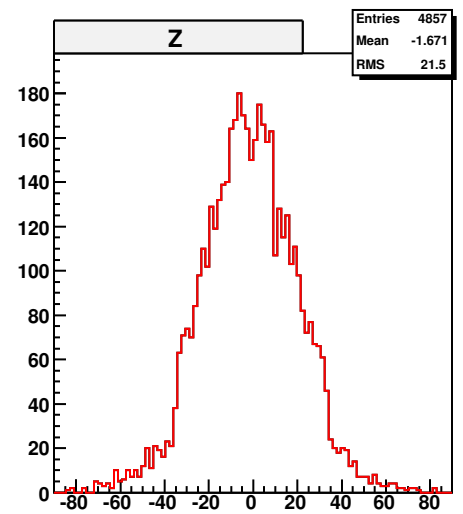


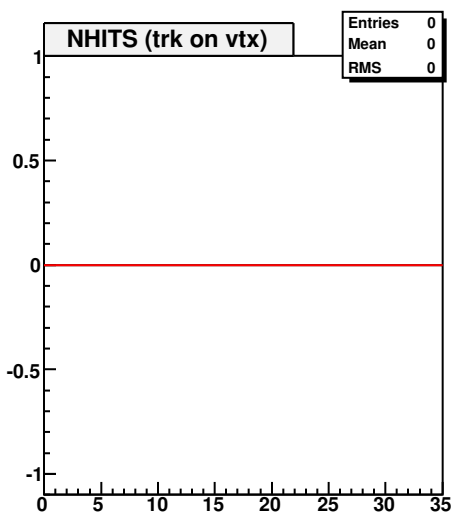


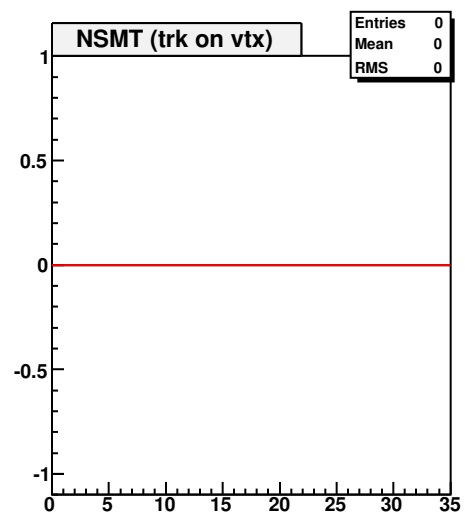


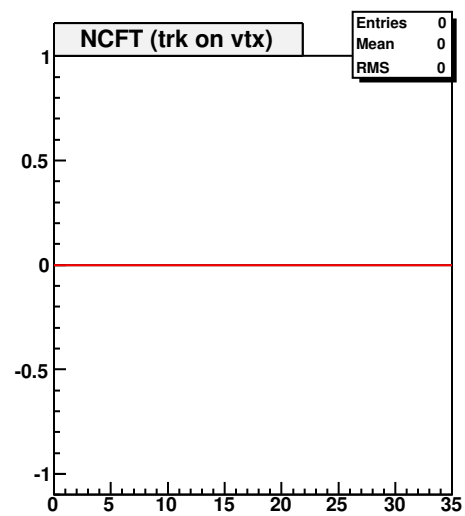




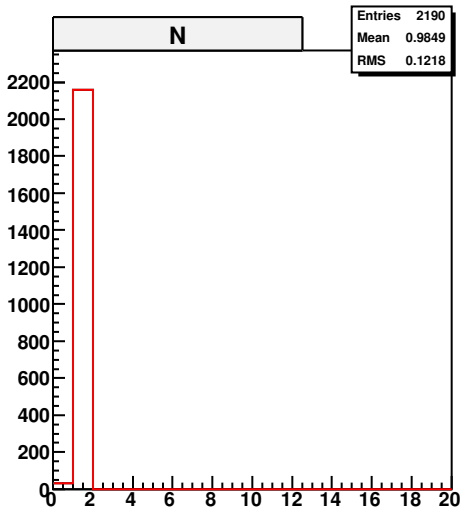


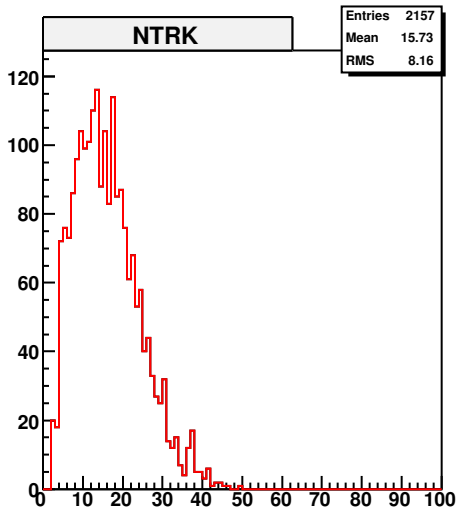


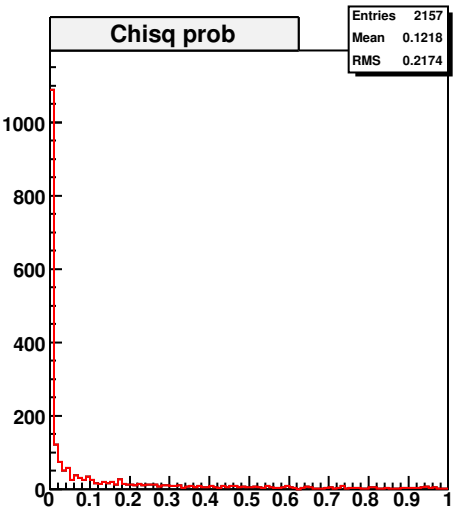


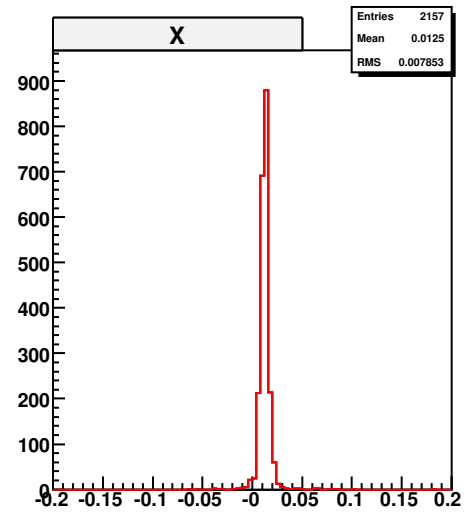


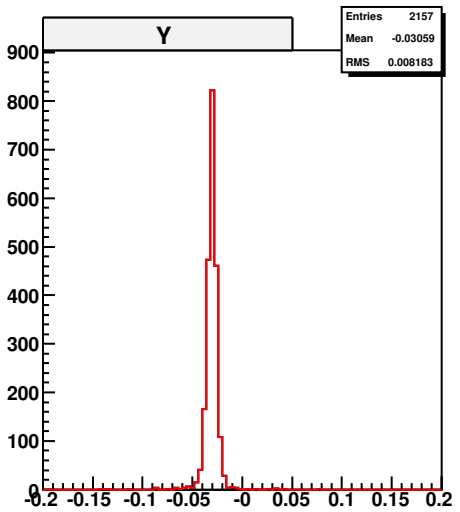
Vertices (Primary - all candidates)

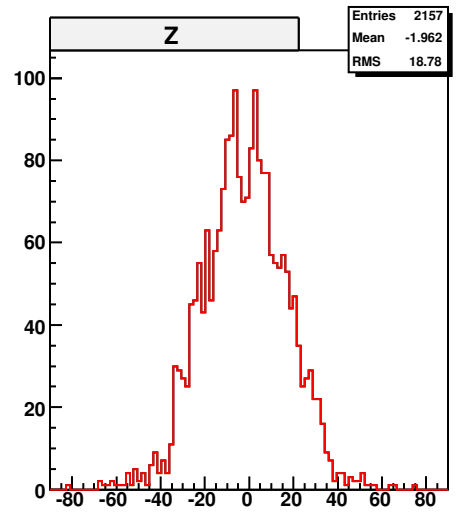


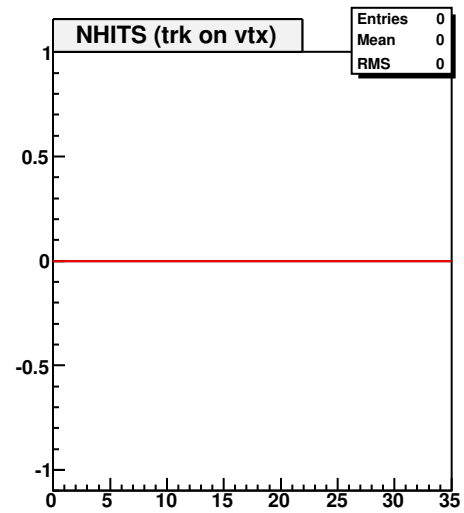


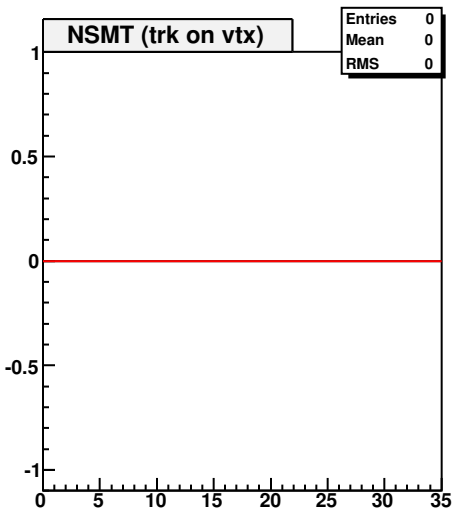


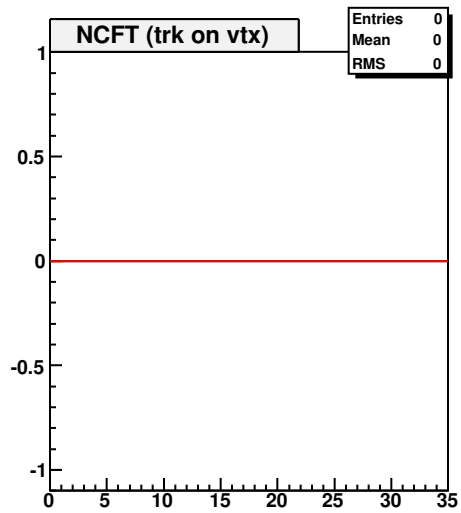




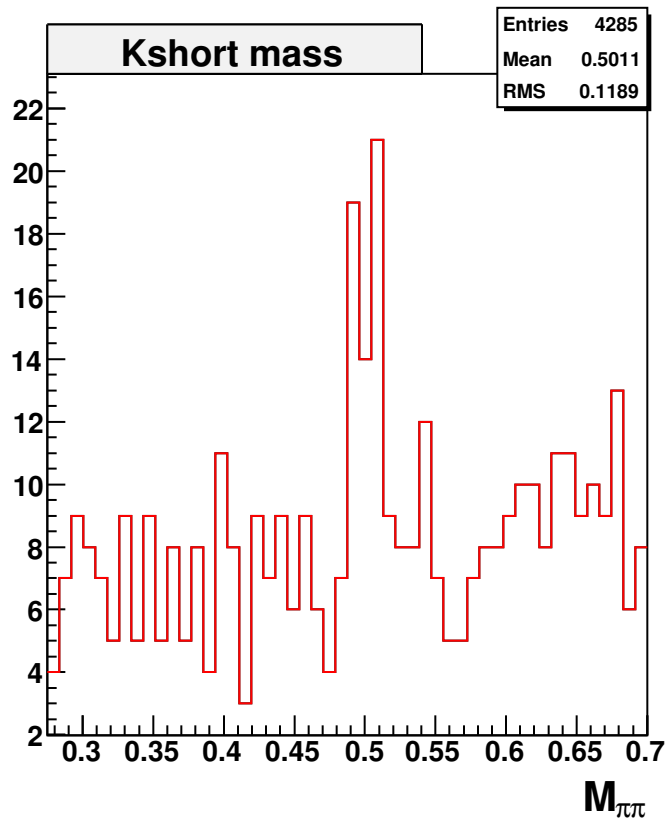


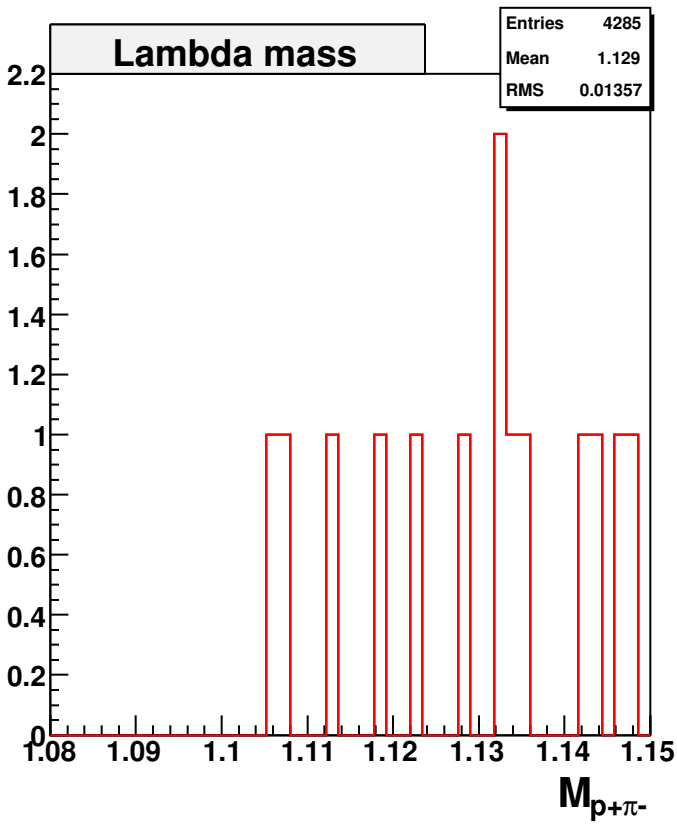


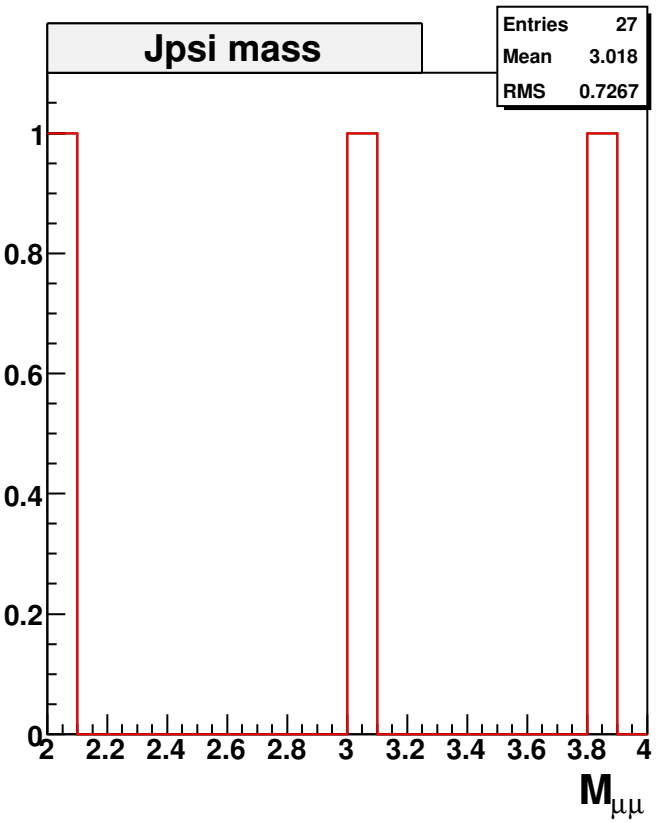


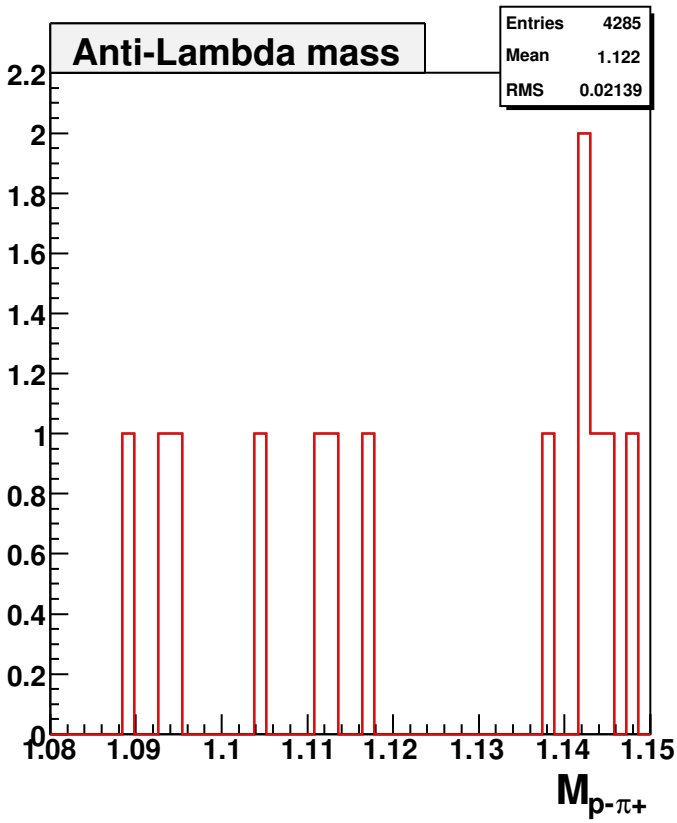


Vertices (Primary - best)

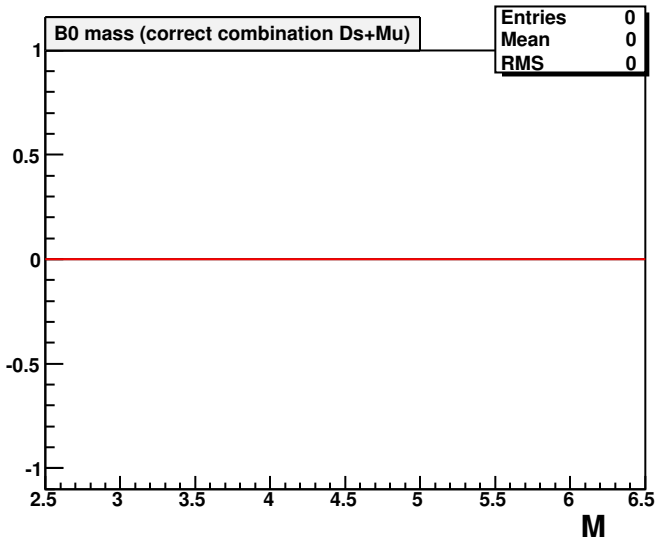

Kshort mass
Entries 4285
Mean 0.5011
RMS 0.1189
$M_{\pi\pi}$

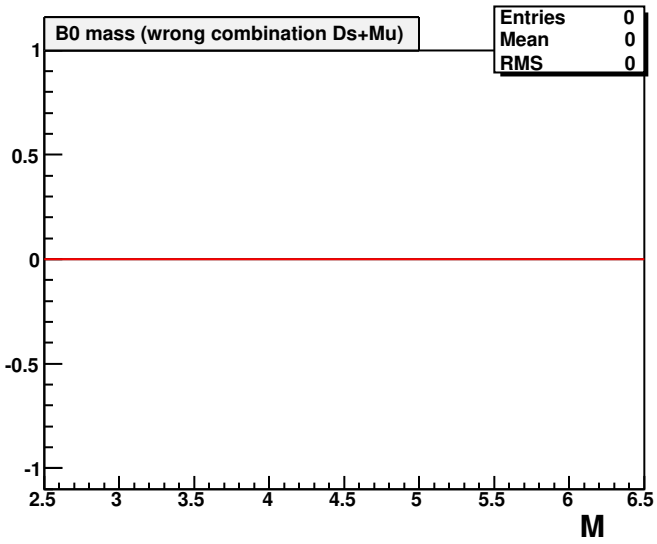

Lambda mass
Entries 4285
Mean 1.129
RMS 0.01357
$M_{p+\pi-}$

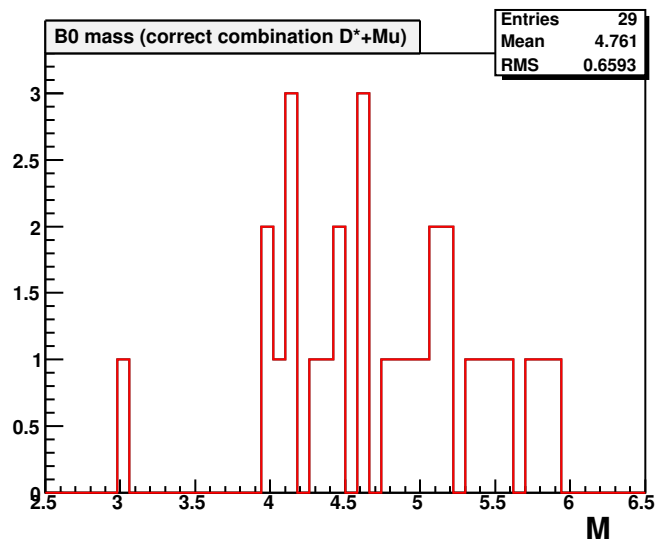

Jpsi mass
Entries 27
Mean 3.018
RMS 0.7267
$M_{\mu\mu}$

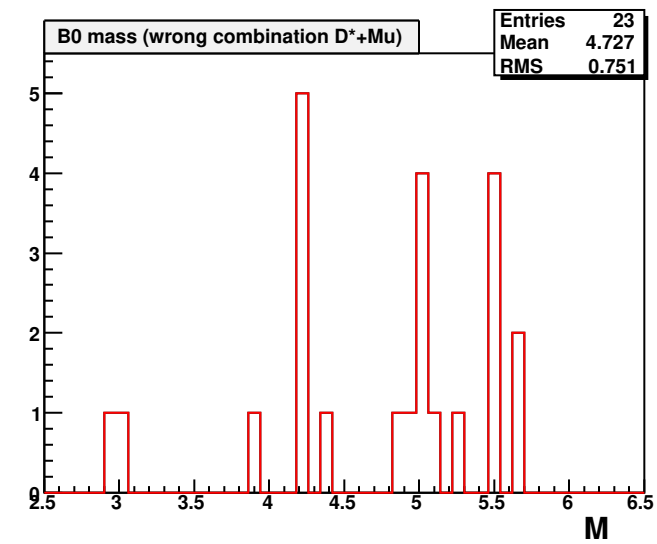

Anti-Lambda mass
Entries 4285
Mean 1.122
RMS 0.02139
$M_{p-\pi+}$

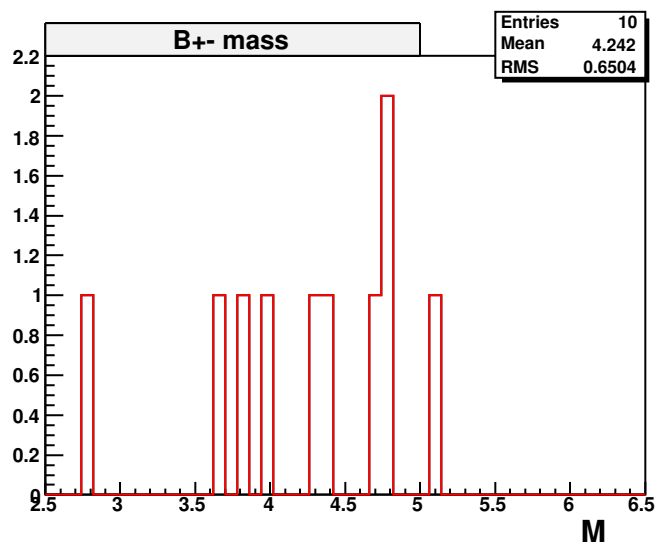
V0 (All)



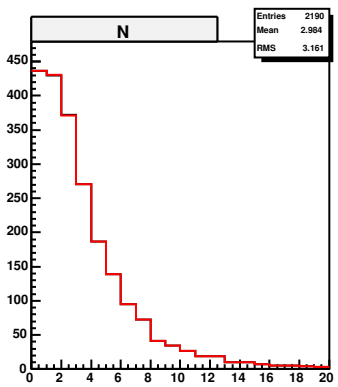


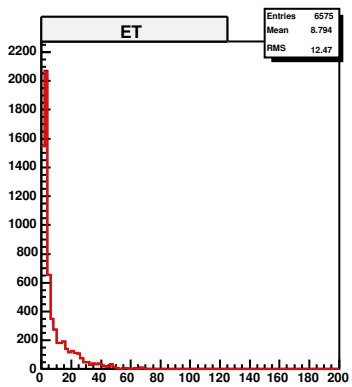


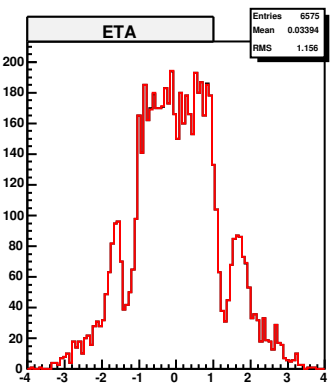


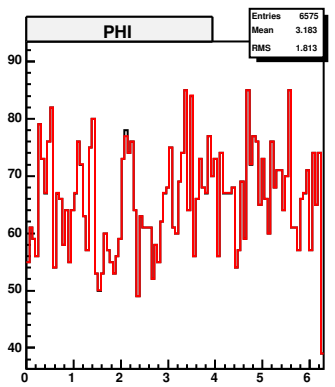


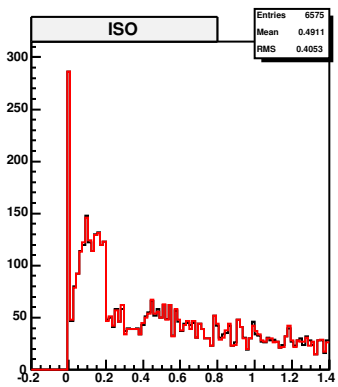
V0(B mesons) (All)

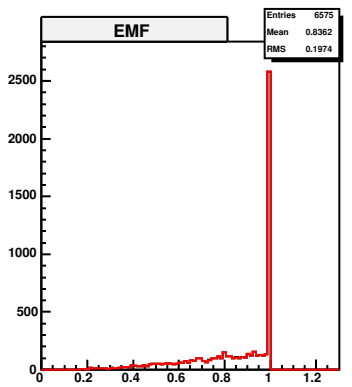


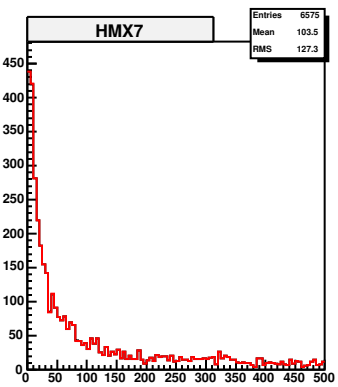


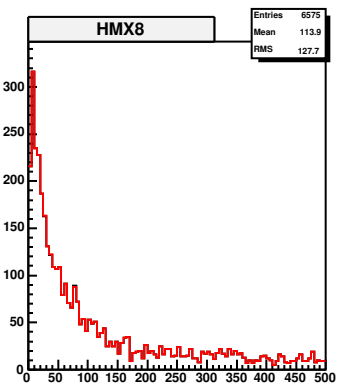


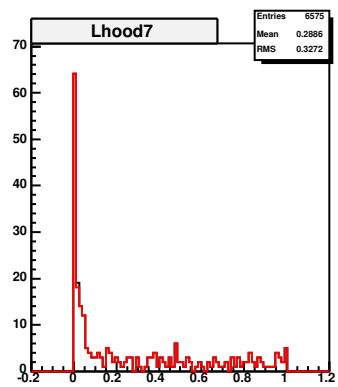


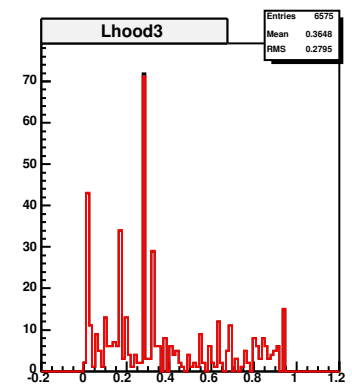


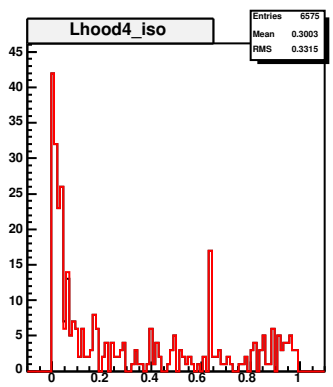


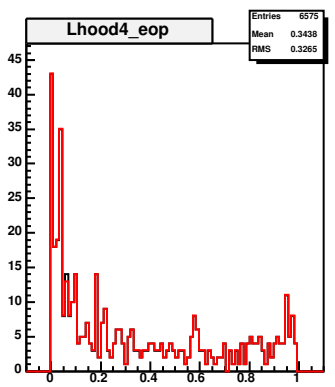


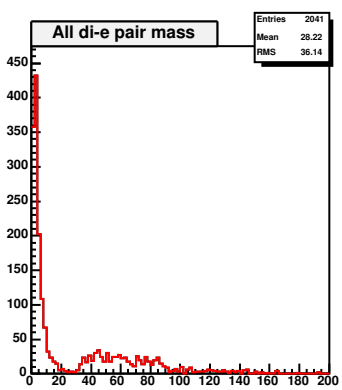


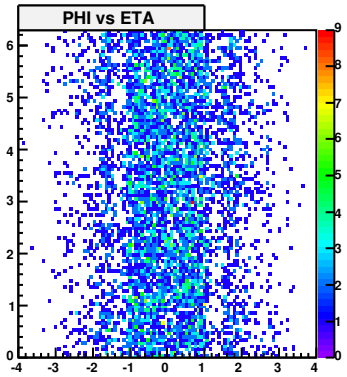


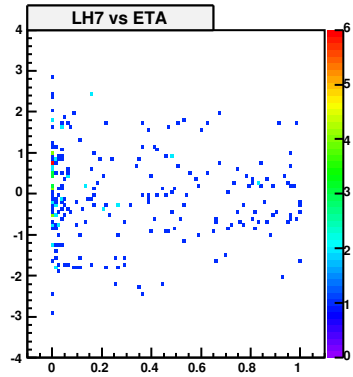


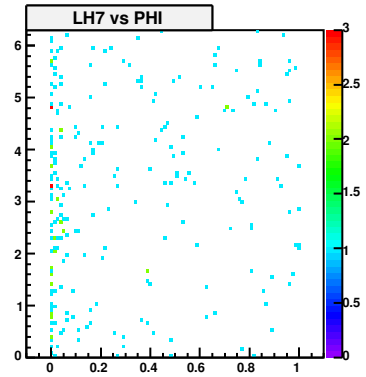




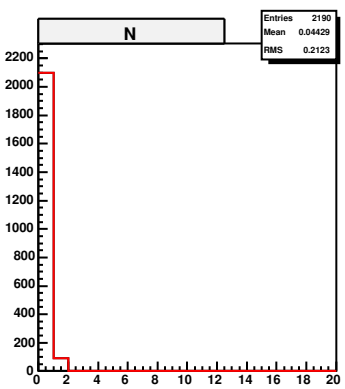


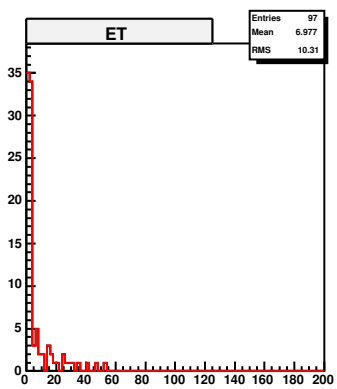


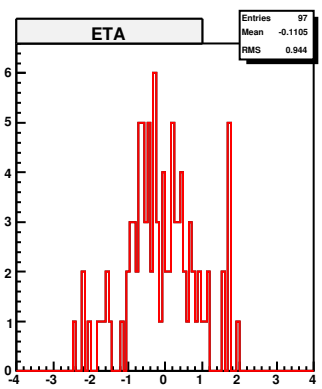


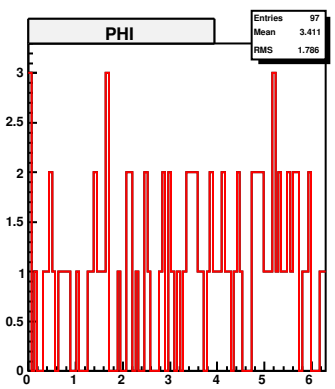


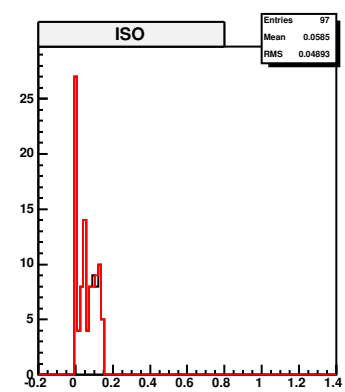
Electrons (SCONE All)

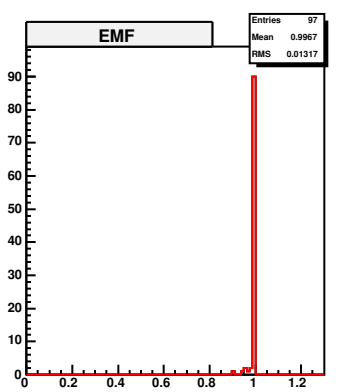


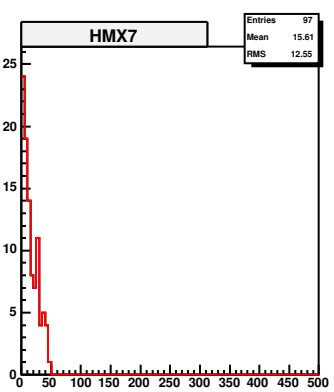


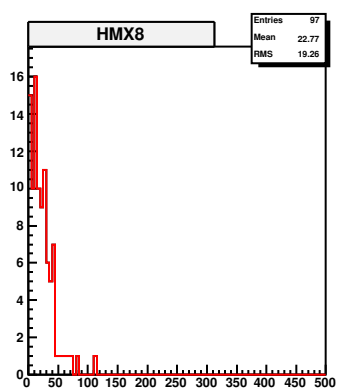


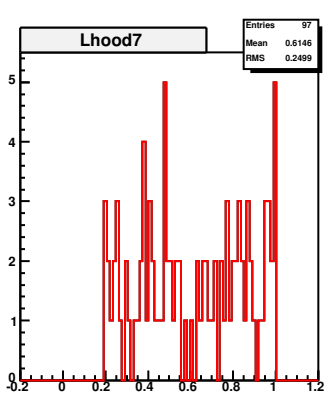


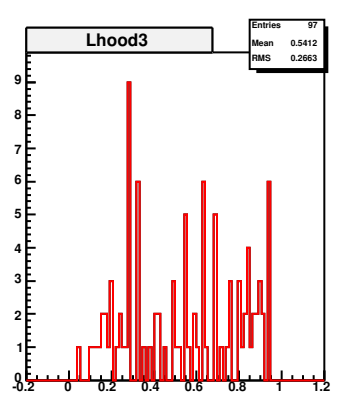


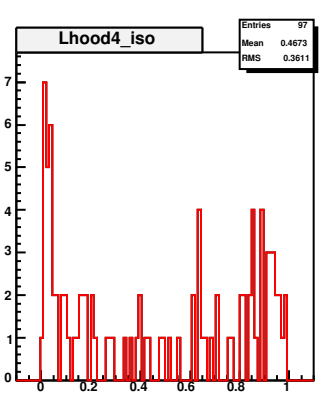


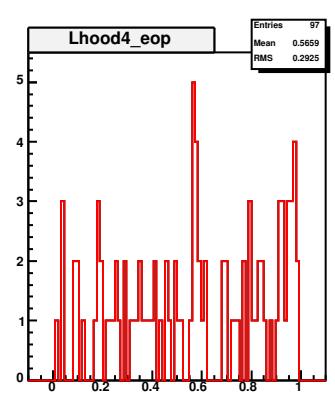


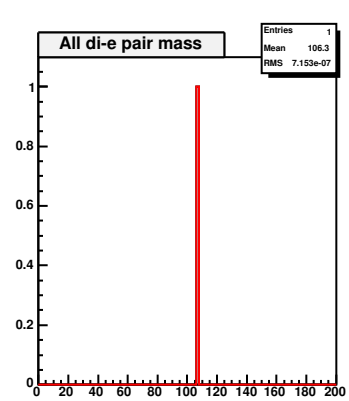


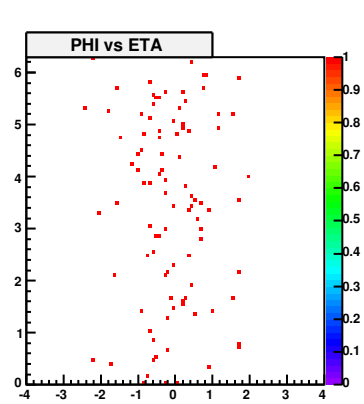


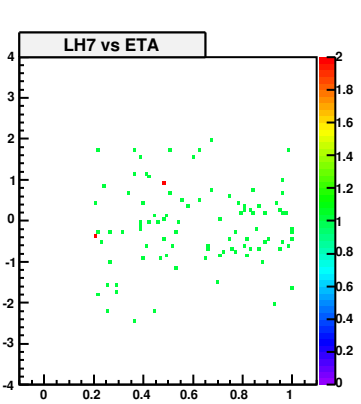


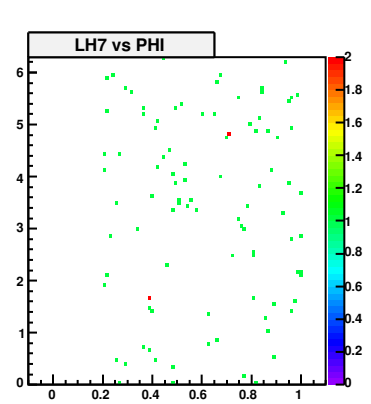




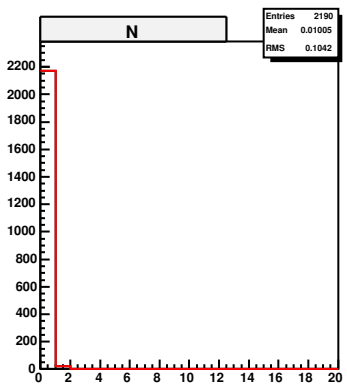


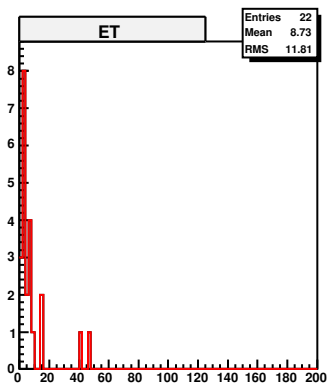


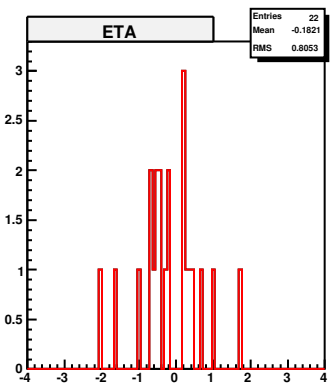


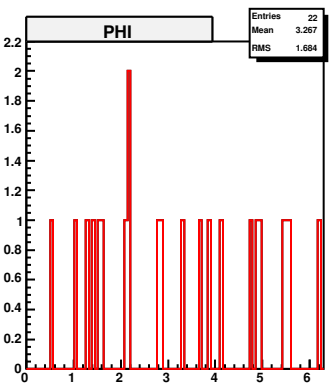


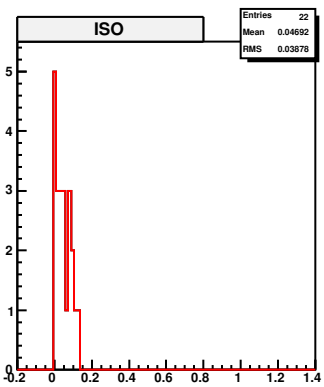
Electrons (SCONE Loose)

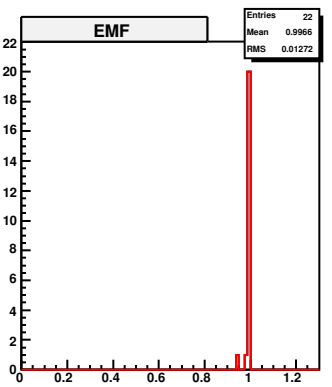


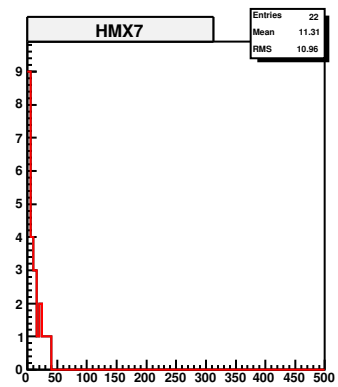


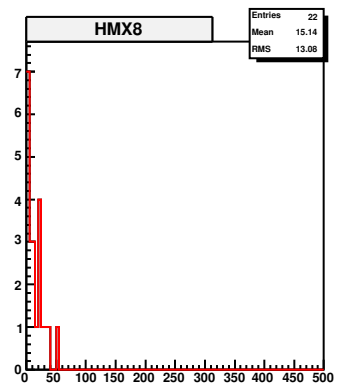


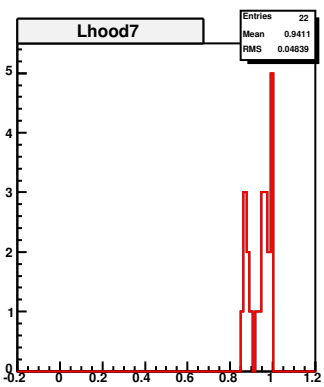


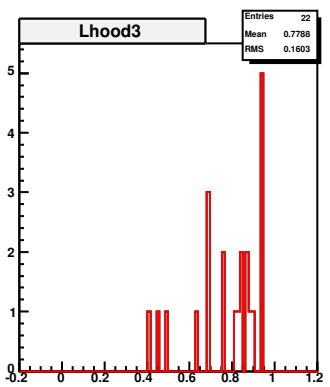


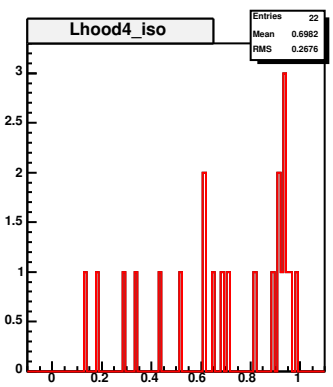


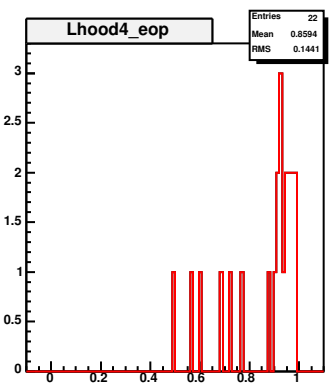


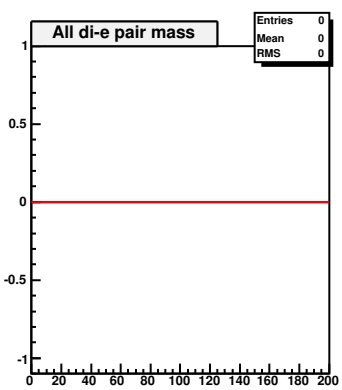


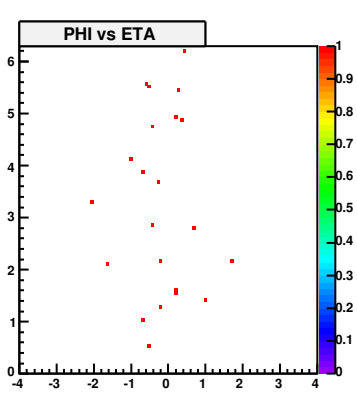


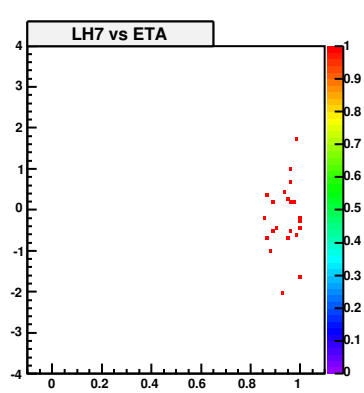


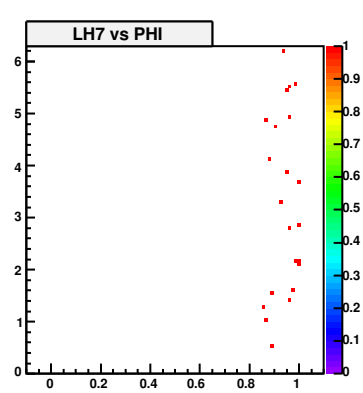




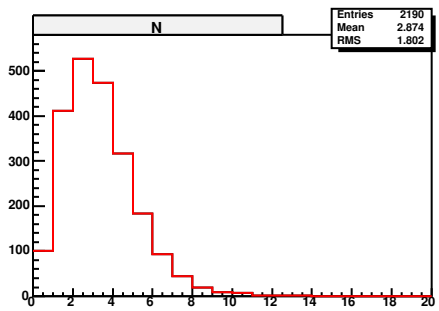


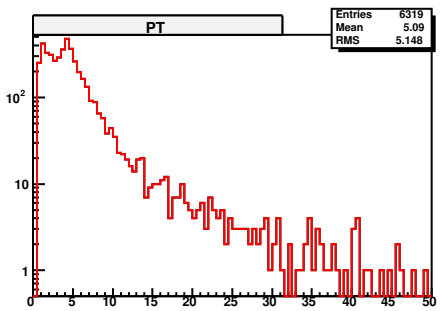


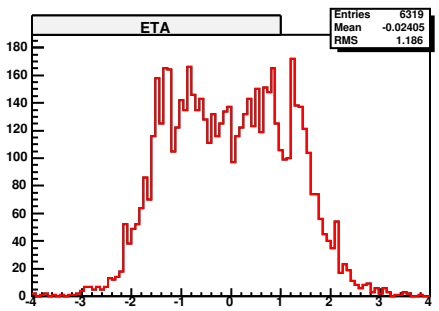


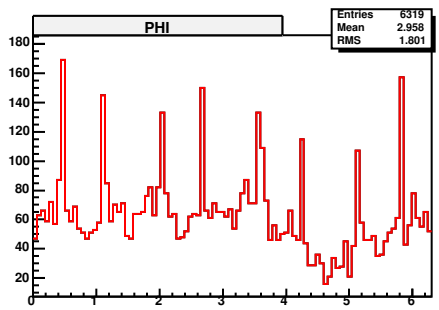


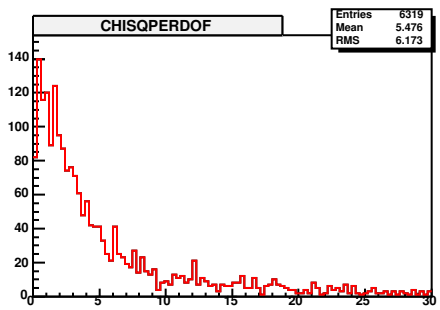
Electrons (SCONE Tight)

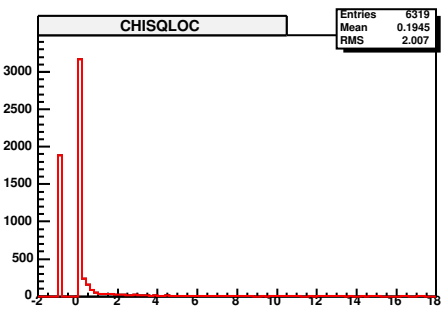

N
Entries 2190
Mean 2.874
RMS 1.802

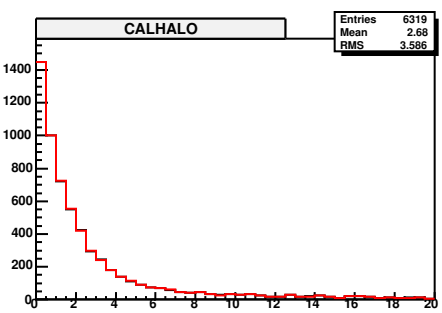

PT
Entries 6319
Mean 5.09
RMS 5.148

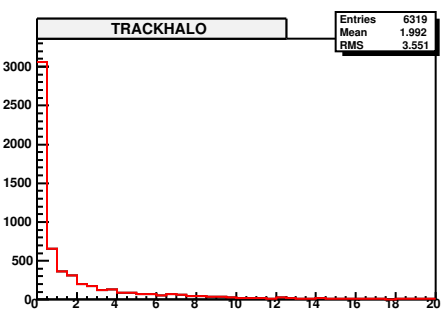

ETA
Entries 6319
Mean -0.02405
RMS 1.186

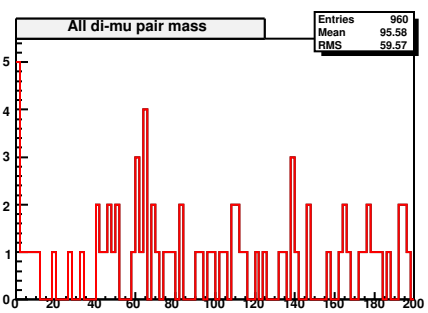

PHI
Entries 6319
Mean 2.958
RMS 1.801

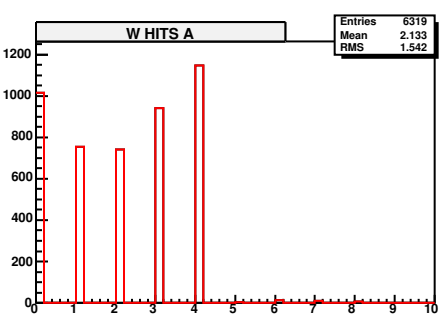

CHISQPERDOF
Entries 6319
Mean 5.476
RMS 6.173

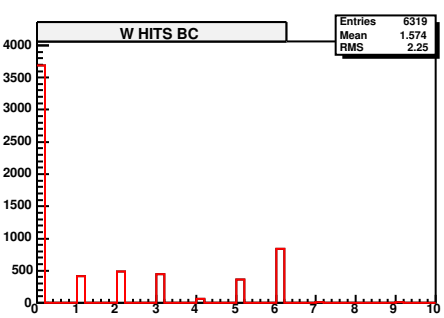

CHISQLOC
Entries 6319
Mean 0.1945
RMS 2.007

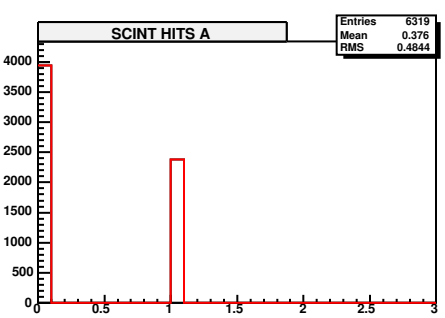

CALHALO
Entries 6319
Mean 2.68
RMS 3.586

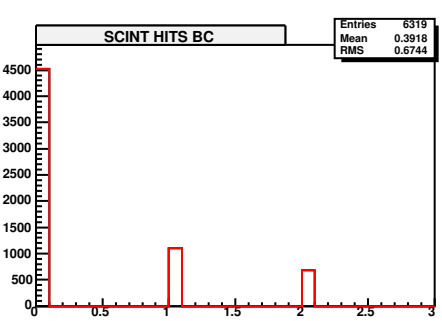

TRACKHALO
Entries 6319
Mean 1.992
RMS 3.551


All di-mu pair mass
Entries 960
Mean 95.58
RMS 59.57

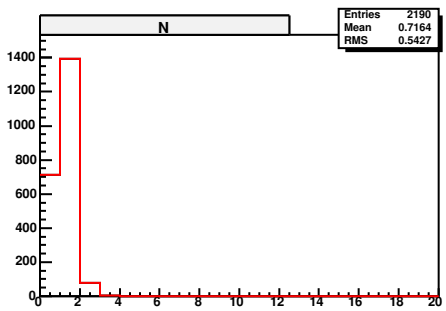

W HITS A
Entries 6319
Mean 2.133
RMS 1.542

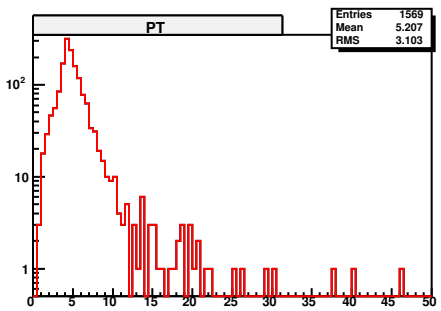

W HITS BC
Entries 6319
Mean 1.574
RMS 2.25

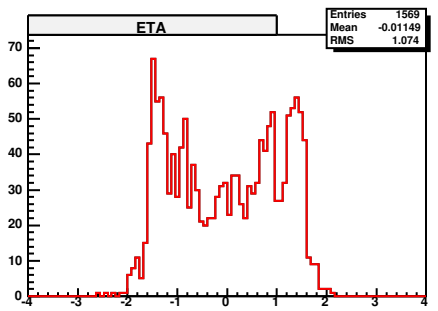

SCINT HITS A
Entries 6319
Mean 0.376
RMS 0.4844

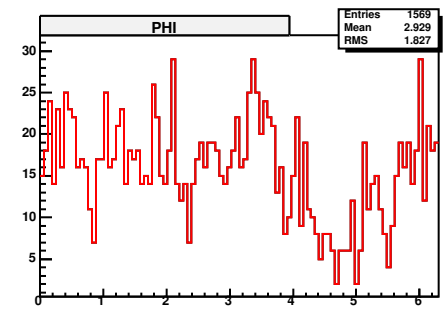

SCINT HITS BC
Entries 6319
Mean 0.3918
RMS 0.6744

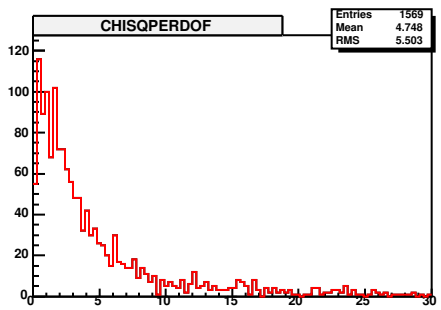
Muons (All)

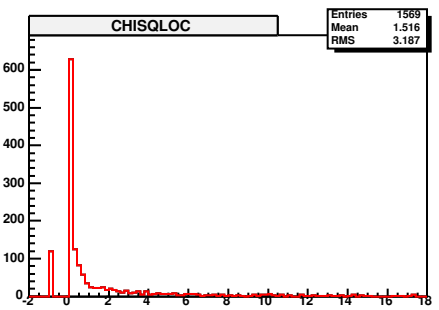


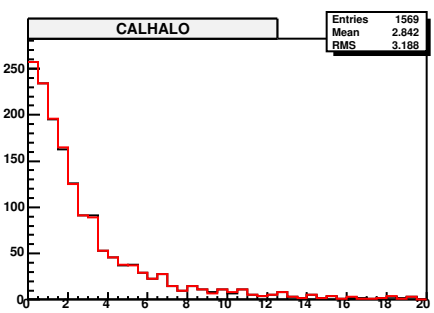


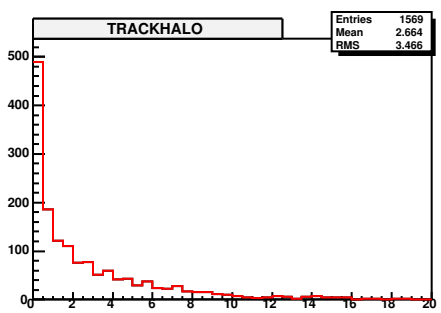


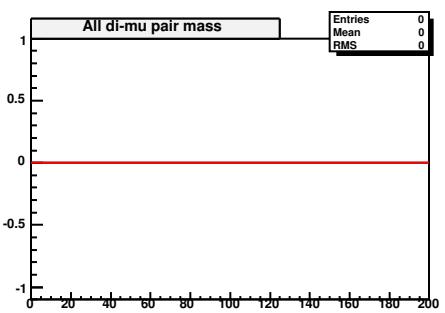


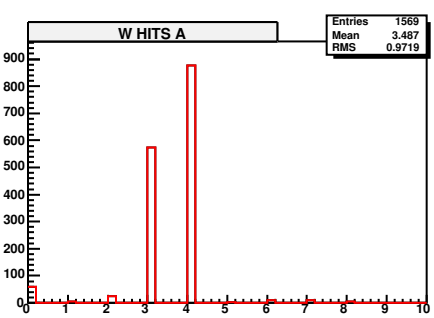


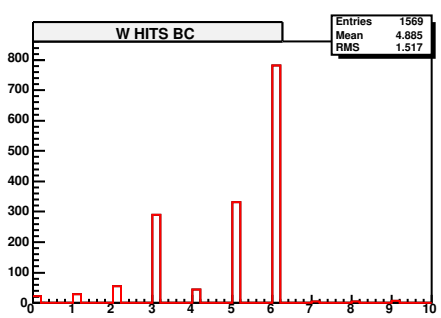


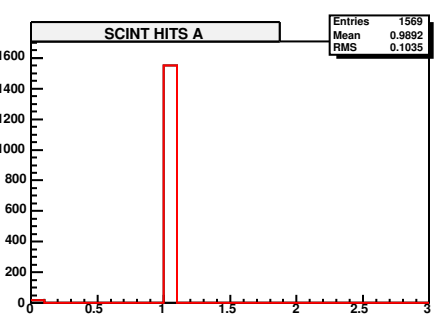


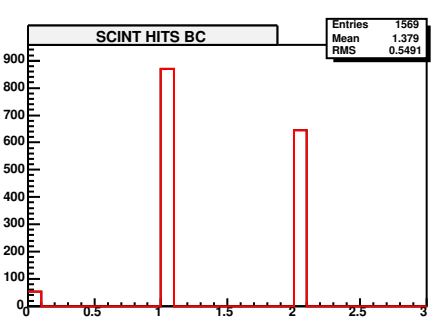




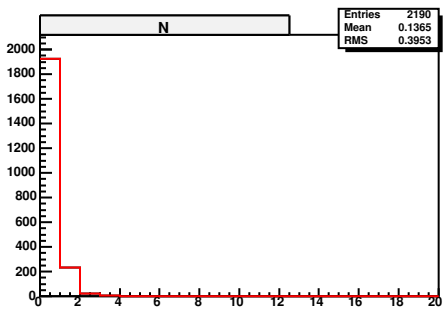


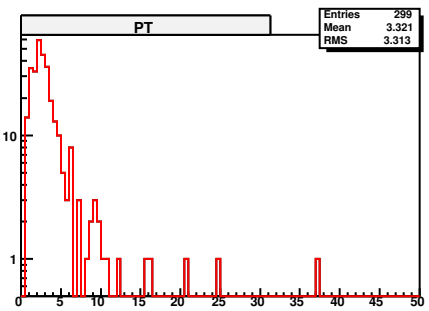


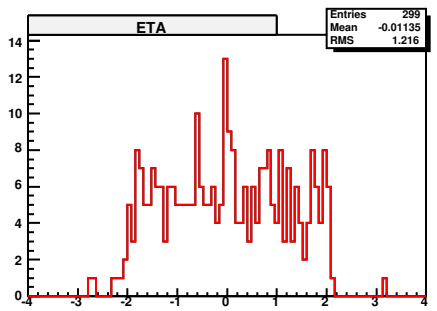


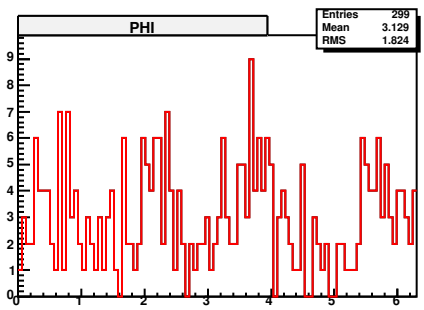


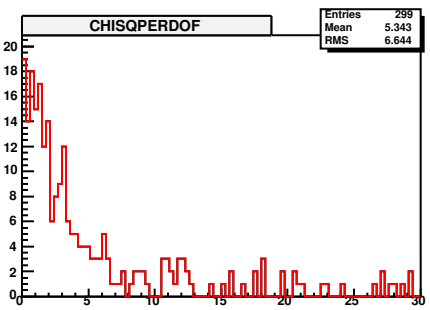
Muons (Matched)

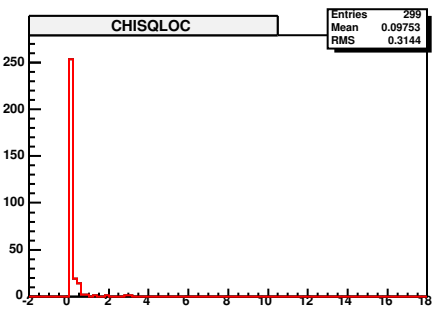

N
Entries 2190
Mean 0.1365
RMS 0.3953

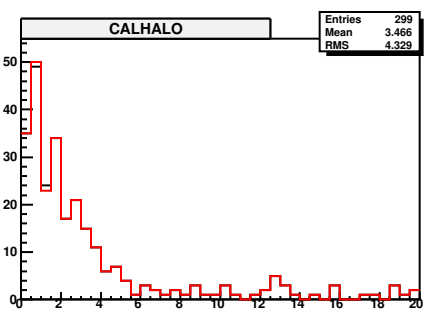

PT
Entries 299
Mean 3.321
RMS 3.313

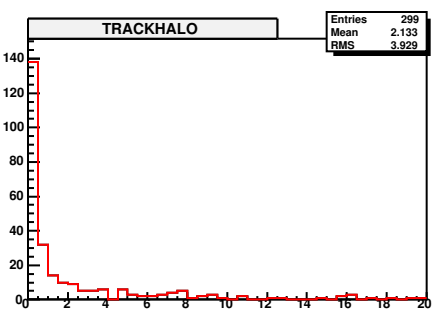

ETA
Entries 299
Mean -0.01135
RMS 1.216

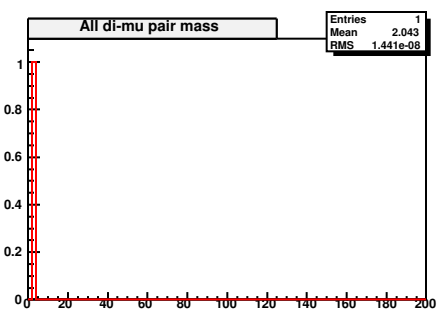

PHI
Entries 299
Mean 3.129
RMS 1.824

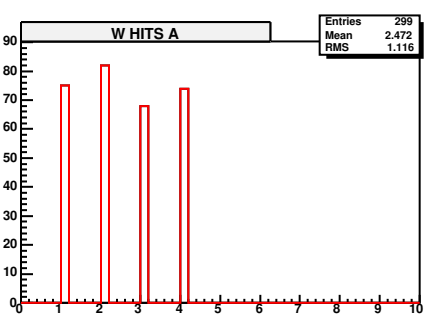

CHISQPERDOF
Entries 299
Mean 5.343
RMS 6.644

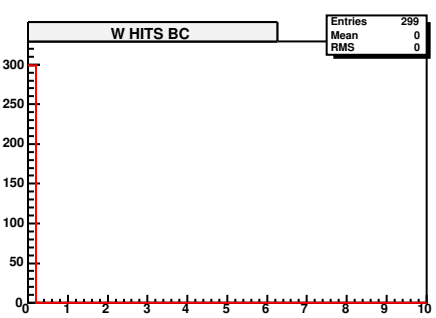

CHISQLOC
Entries 299
Mean 0.09753
RMS 0.3144

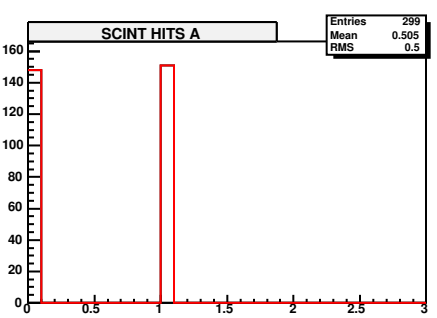

CALHALO
Entries 299
Mean 3.466
RMS 4.329

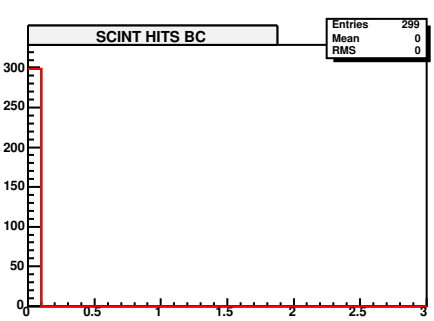

TRACKHALO
Entries 299
Mean 2.133
RMS 3.929


All di-mu pair mass
Entries 1
Mean 2.043
RMS 1.441e-08

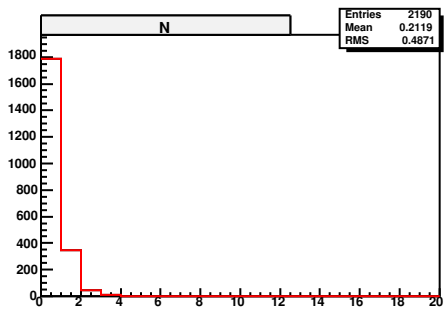

W HITS A
Entries 299
Mean 2.472
RMS 1.116

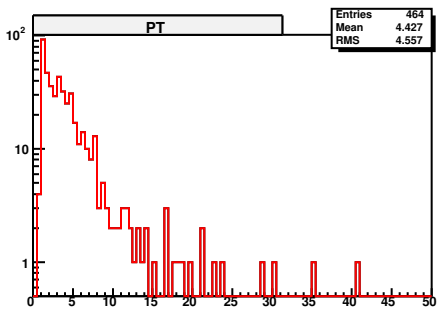

W HITS BC
Entries 299
Mean 0
RMS 0

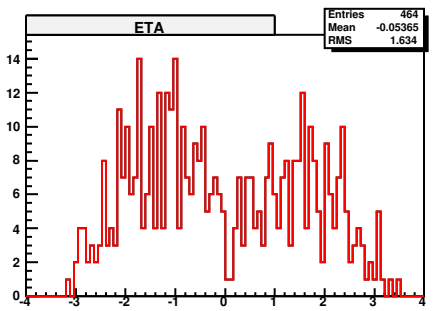

SCINT HITS A
Entries 299
Mean 0.505
RMS 0.5

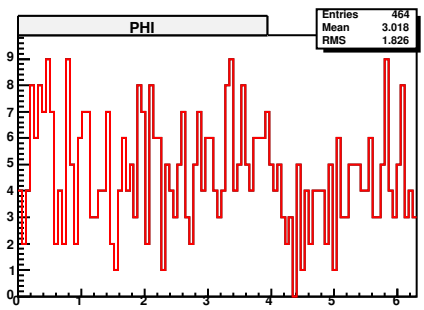

SCINT HITS BC
Entries 299
Mean 0
RMS 0

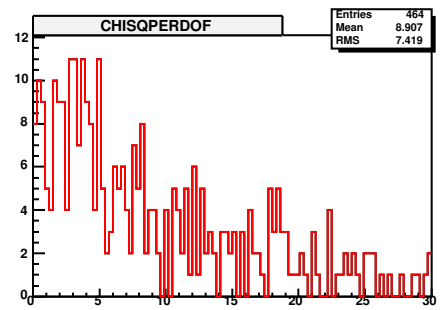
Muons (Astub)

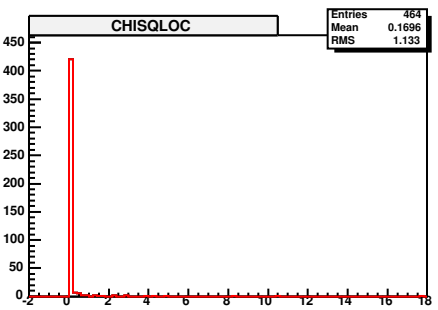


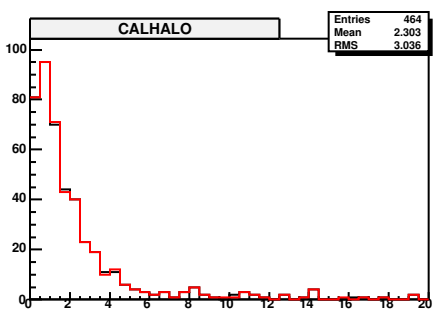


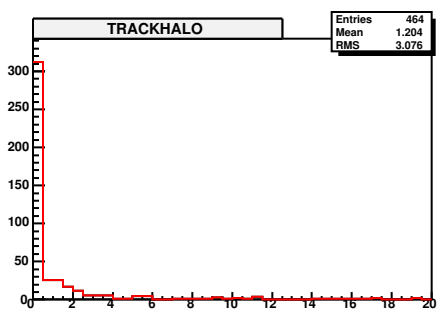


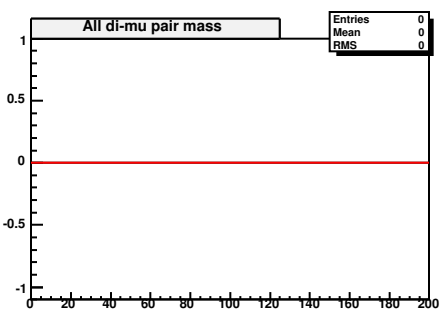


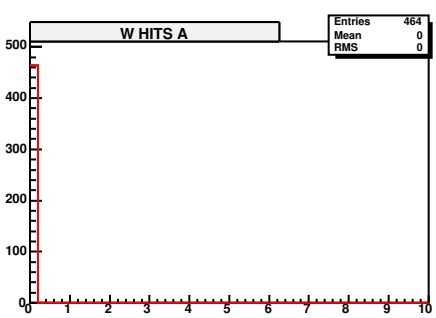


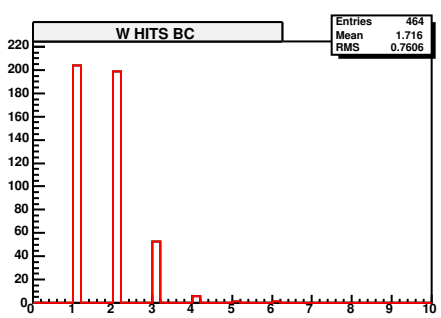


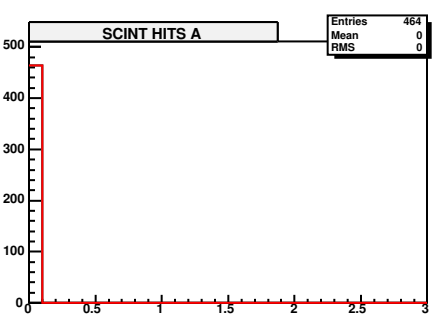


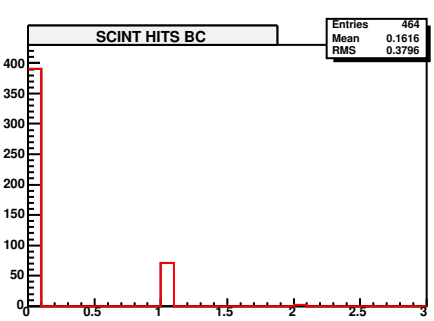




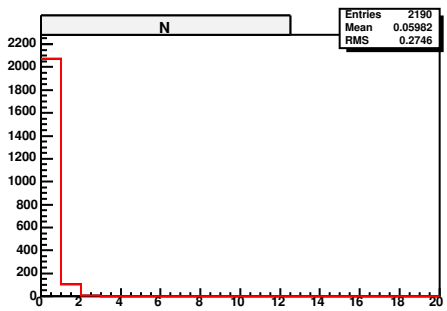


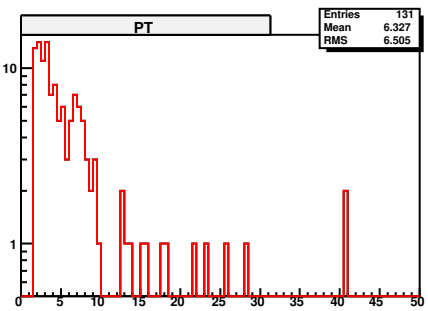


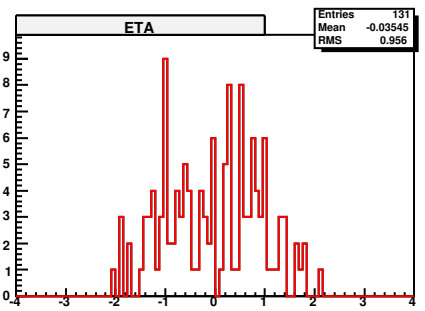


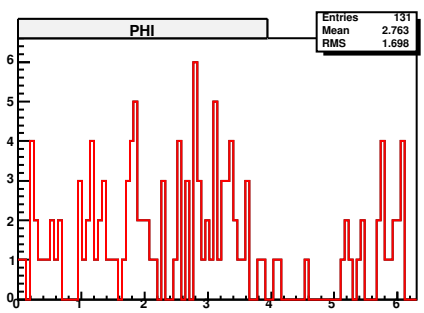


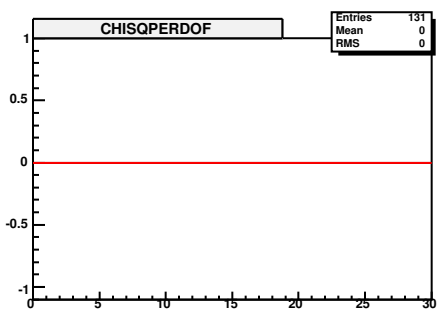
Muons (BCstub)

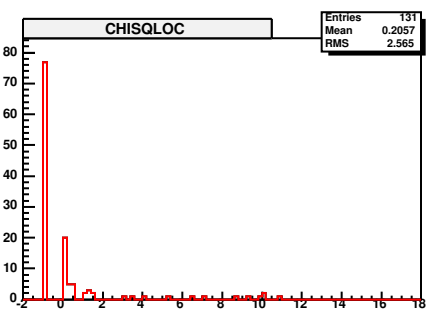


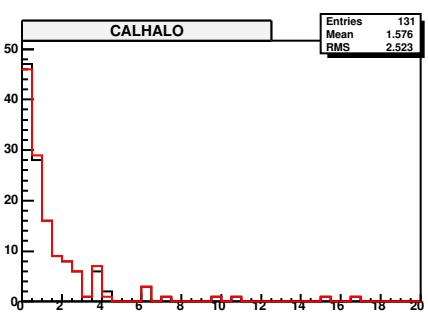


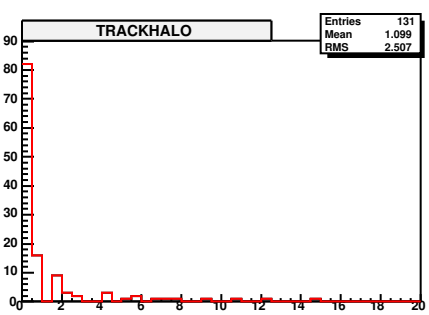


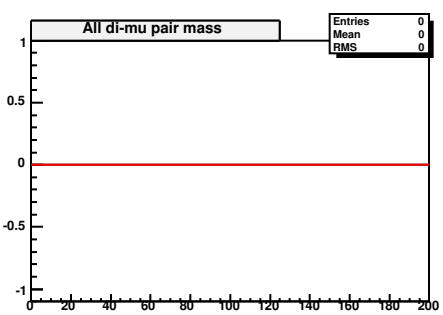


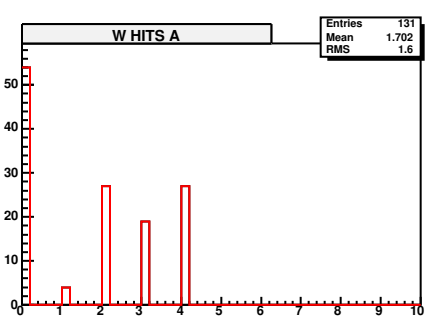


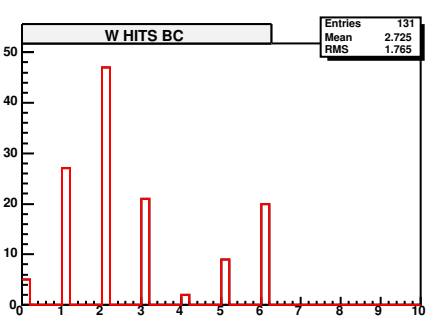


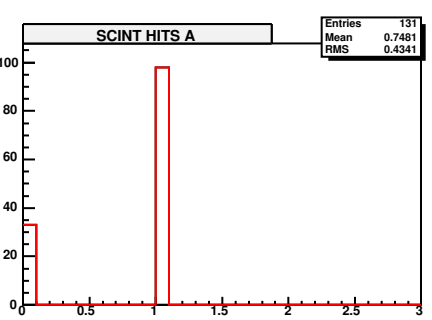


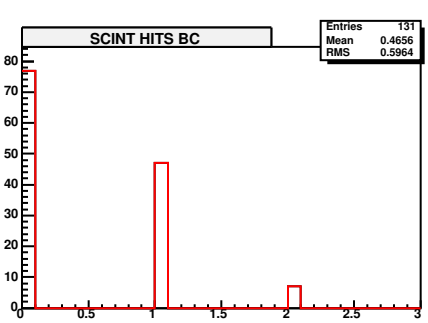




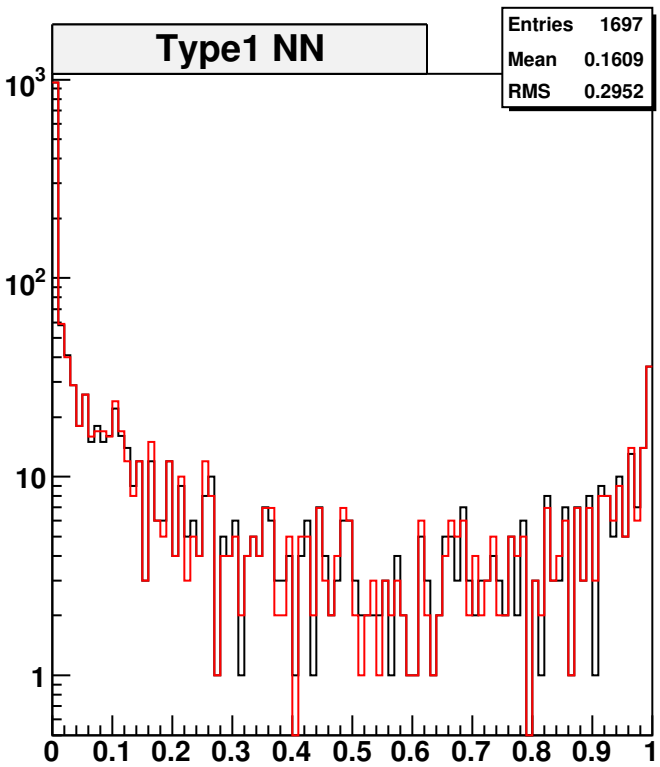


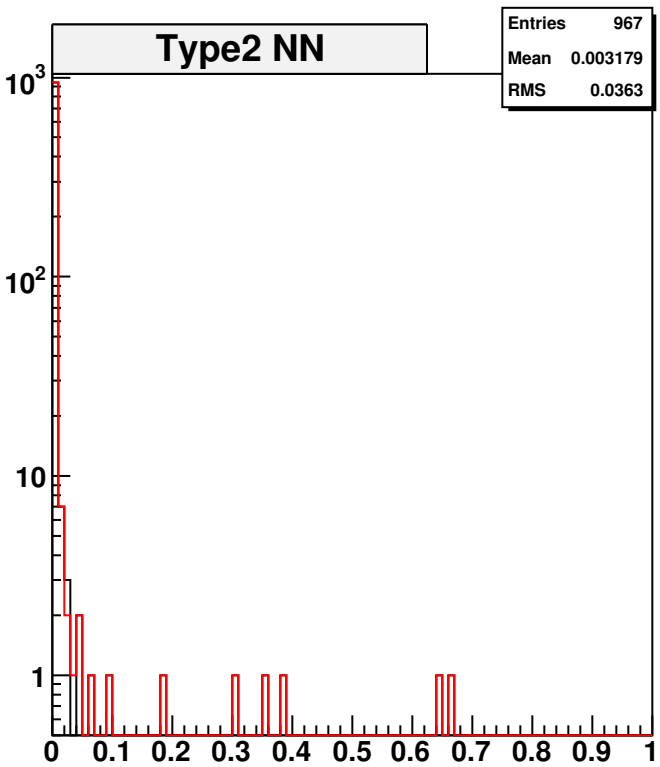


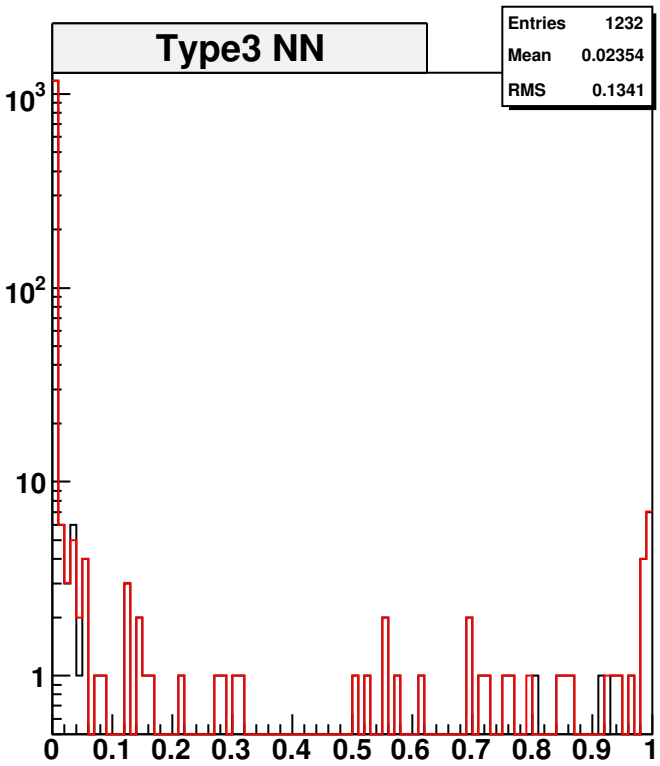


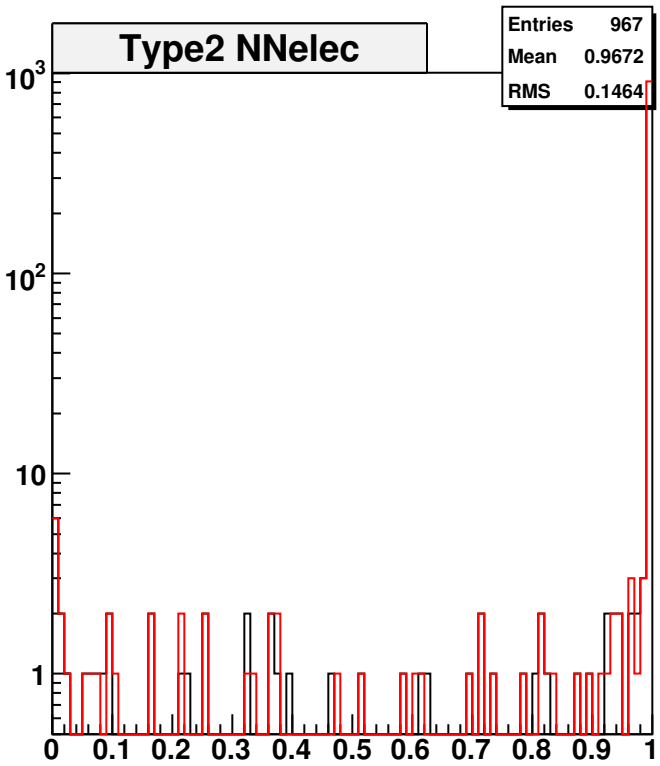


Muons (Unmatched)

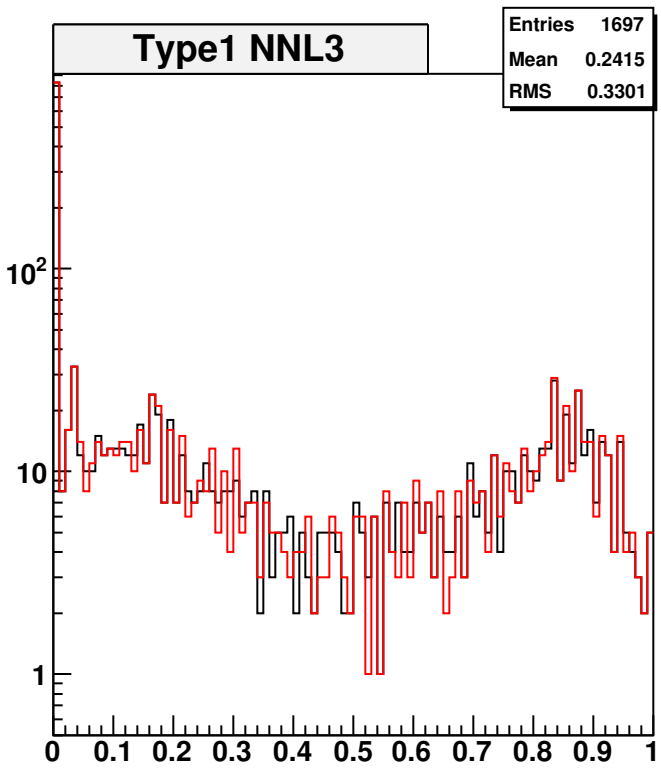


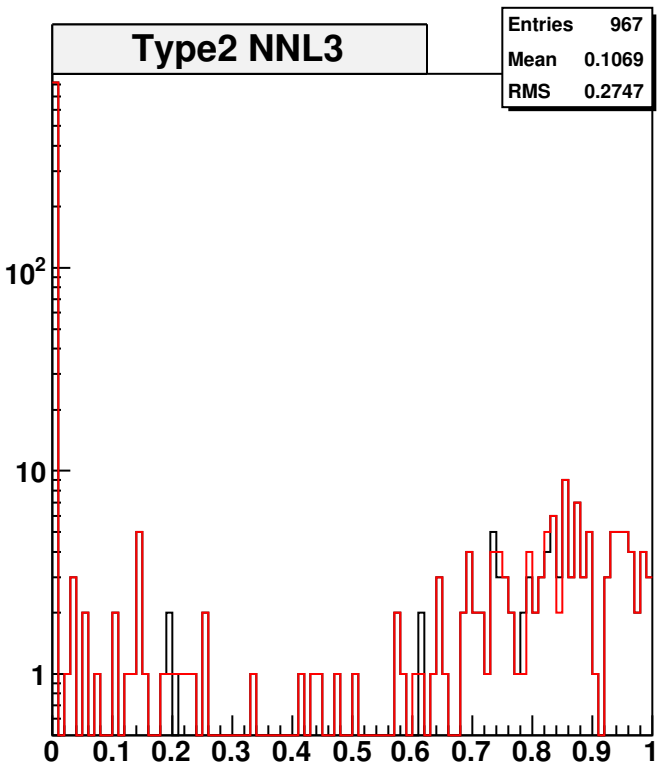


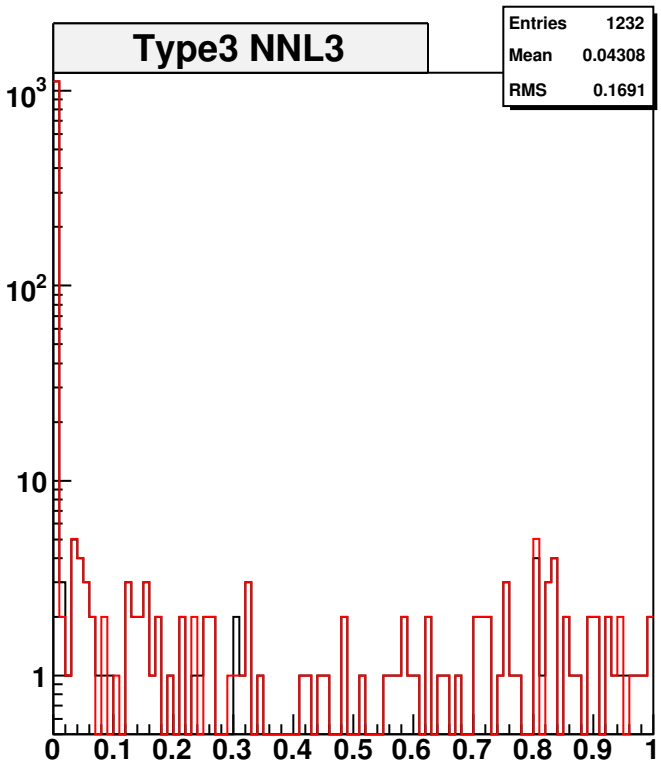


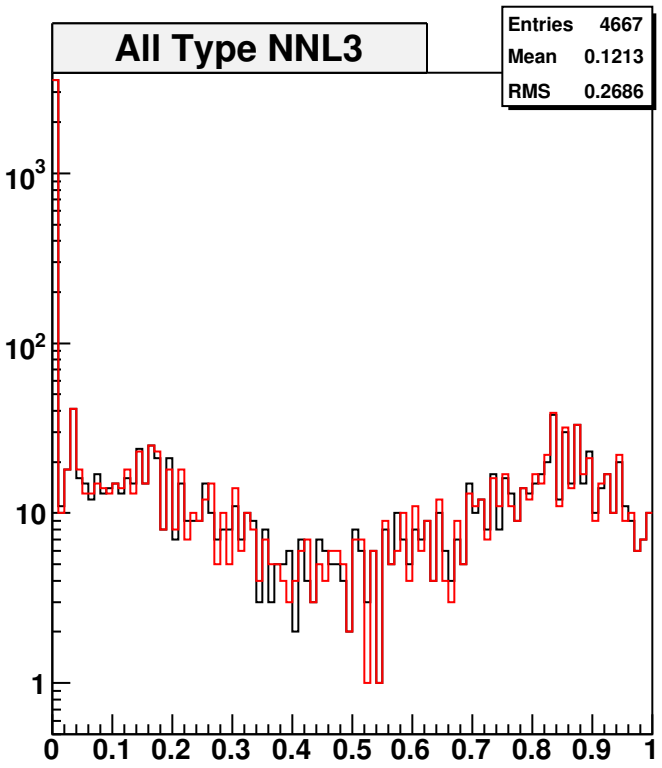


Taus NN (TAU All)

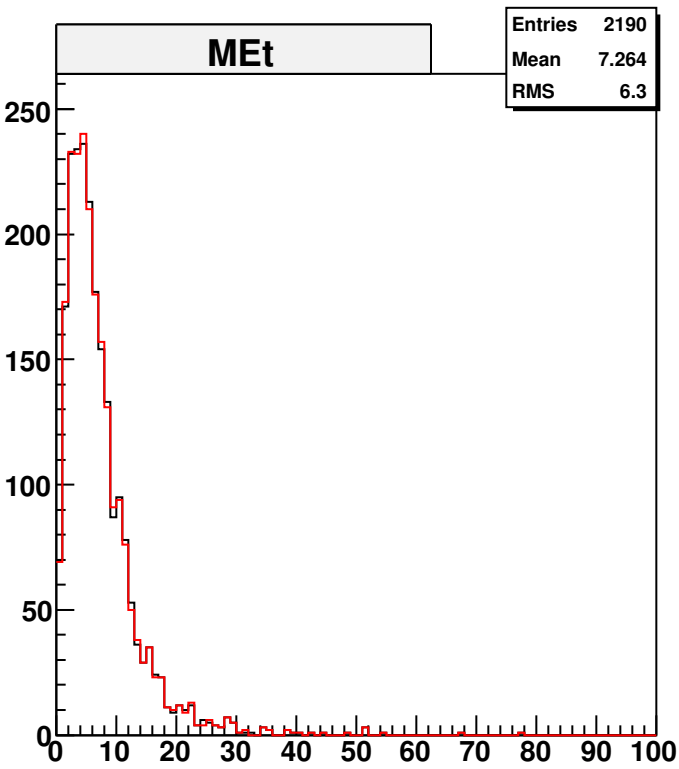








Taus NNL3 (TAU All)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Mean 7.264
RMS 6.3
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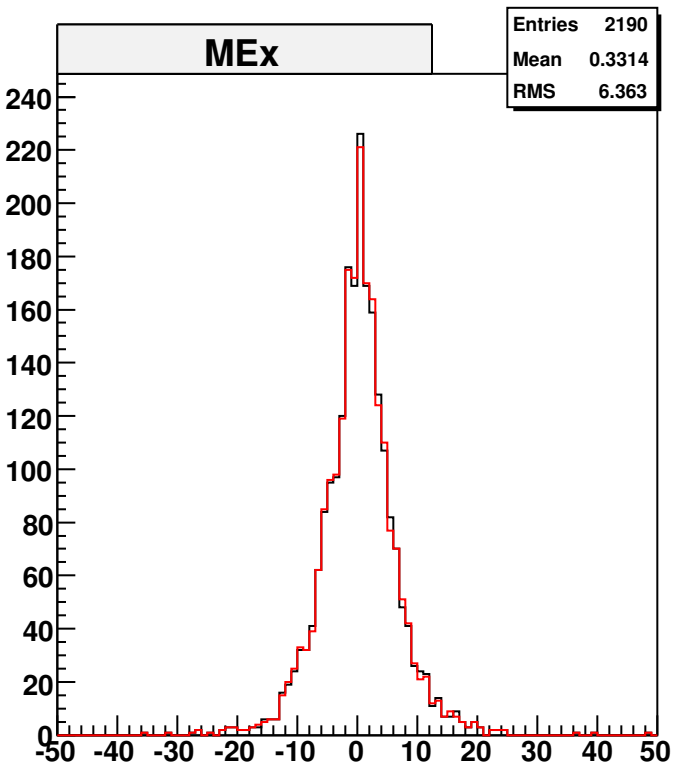
200
150
100
50
0
0 10 20 30 40 50 60 70 80 90 100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Mean 0.3314
RMS 6.363
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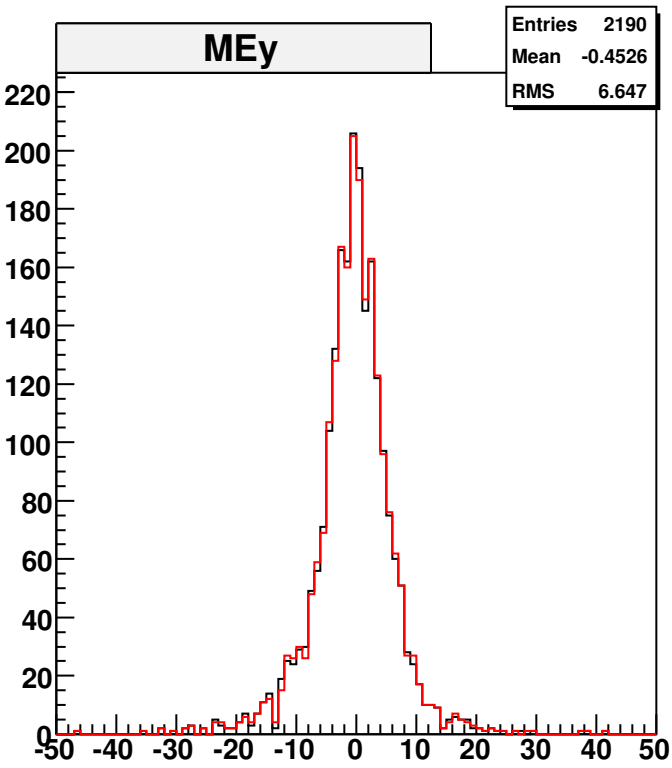
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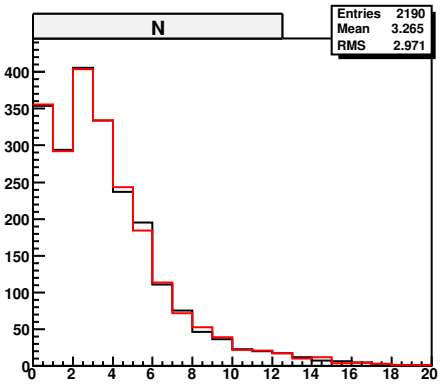
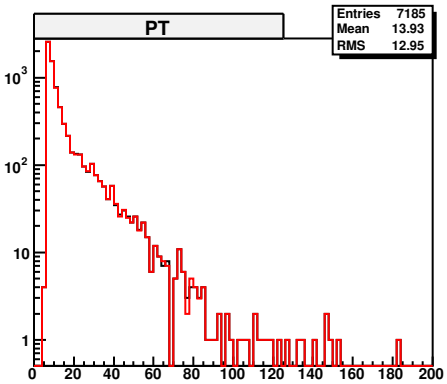
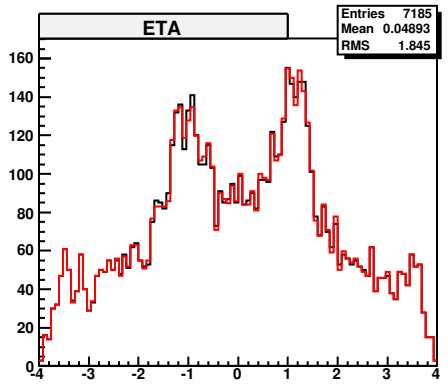
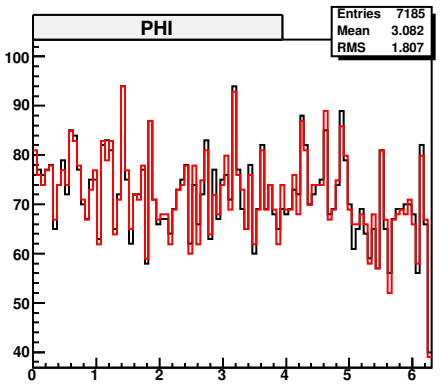
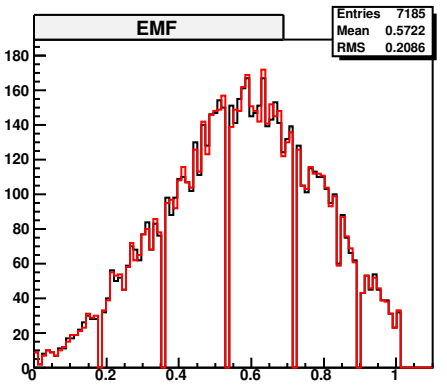
Met (No cuts)

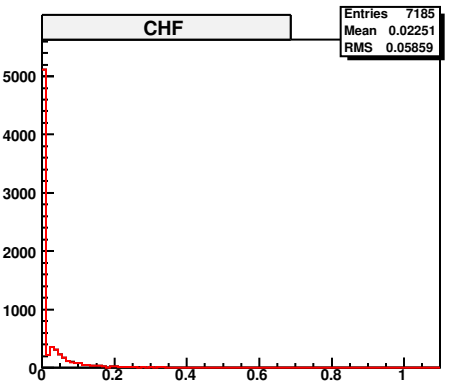


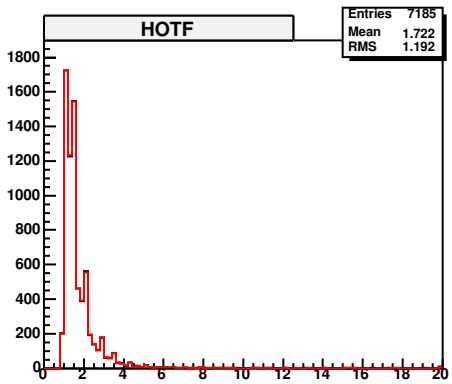


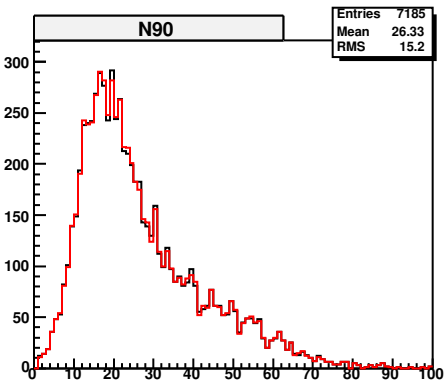


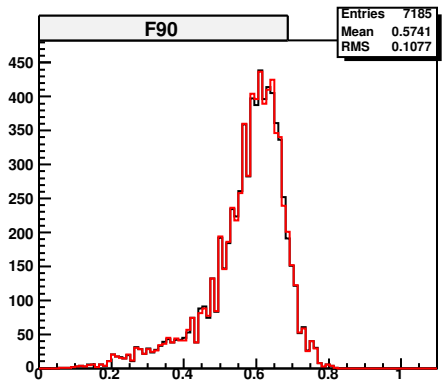


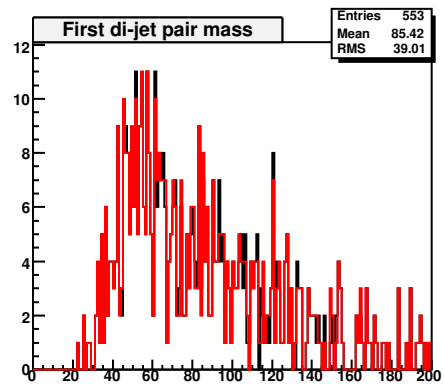


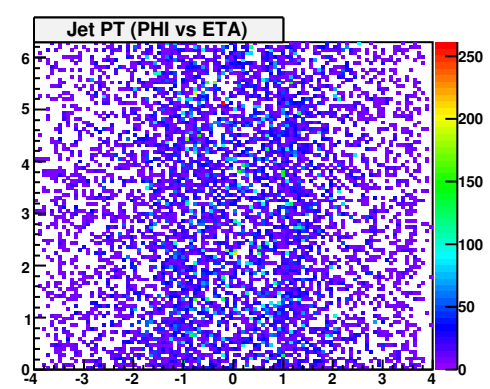




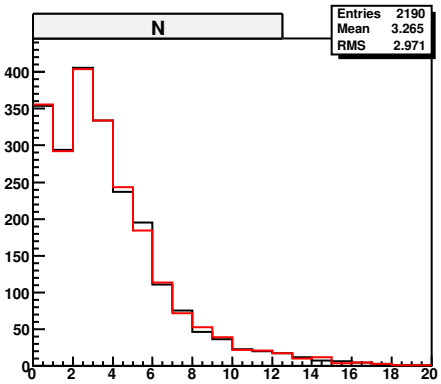


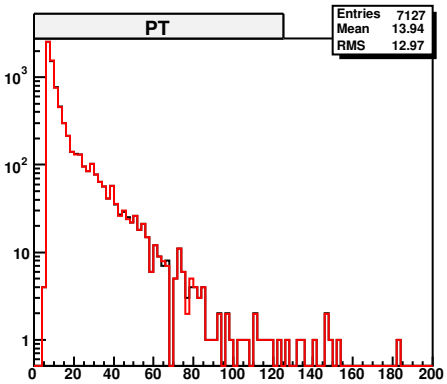


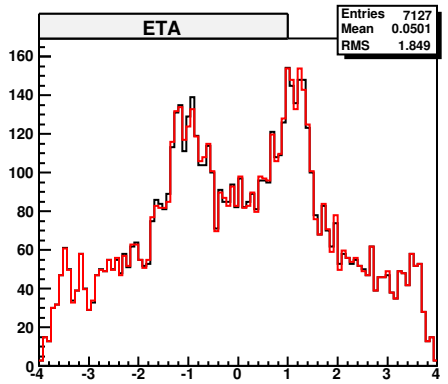


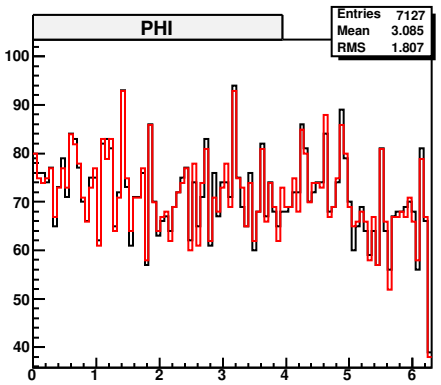


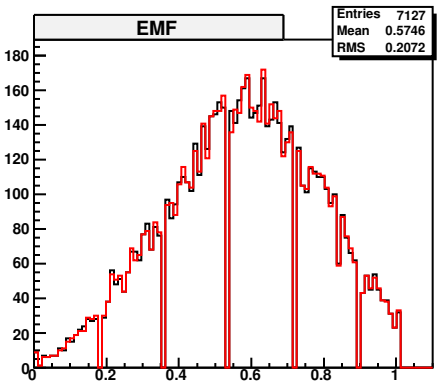
Jets (Cone R 0.7 (no cuts))

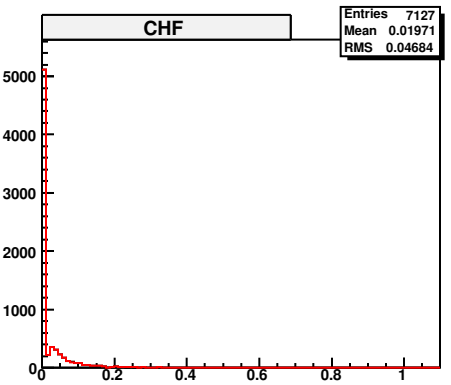


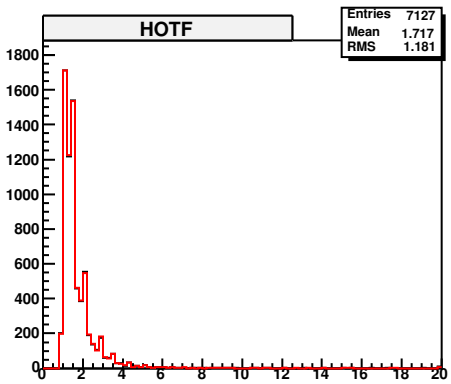


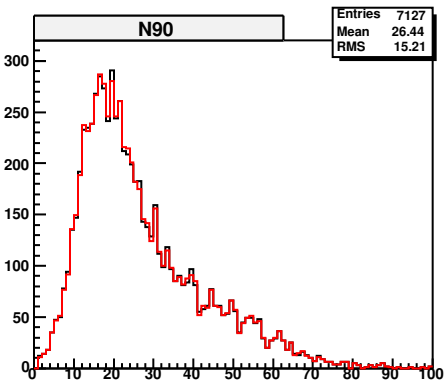


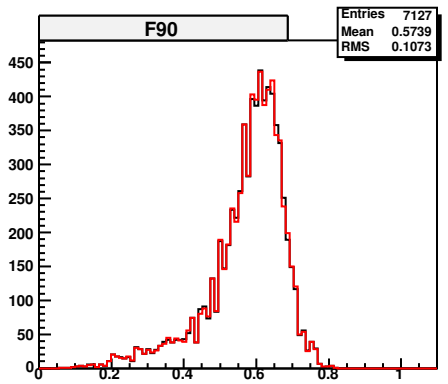


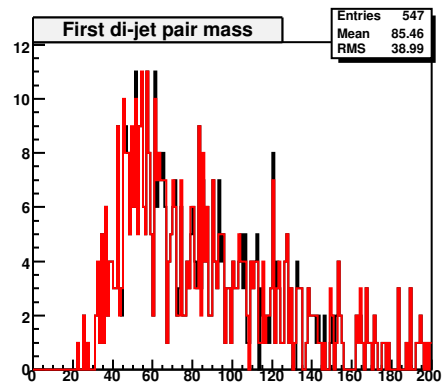


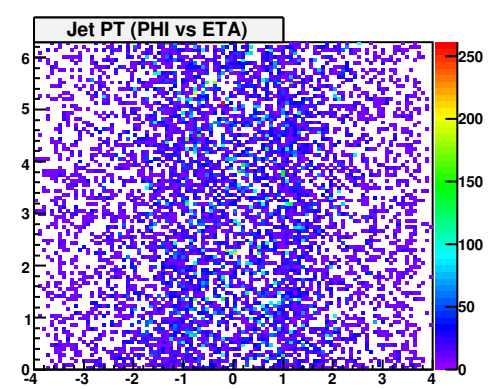




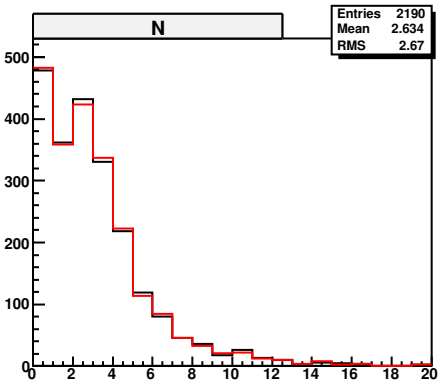


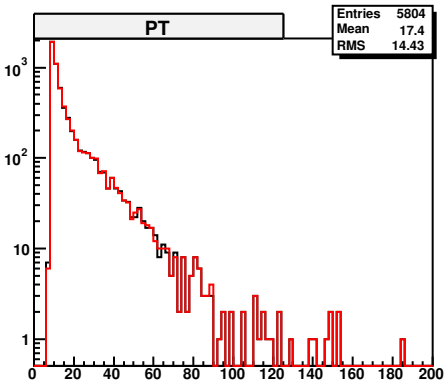


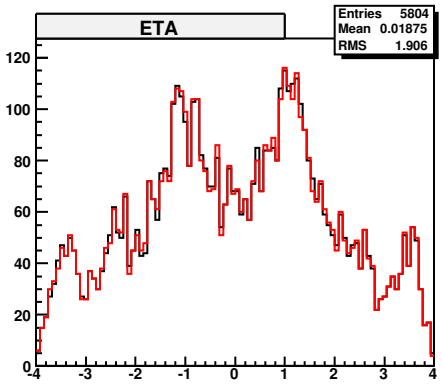


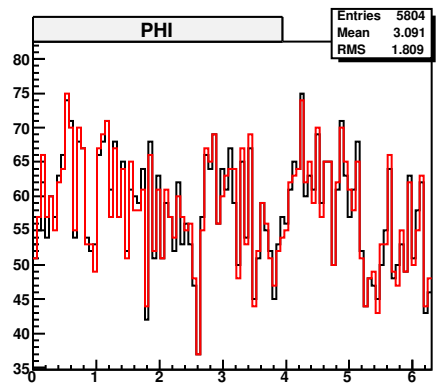


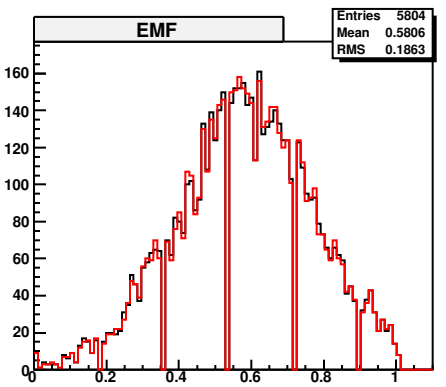
Jets (Cone R 0.7 (standard cuts))

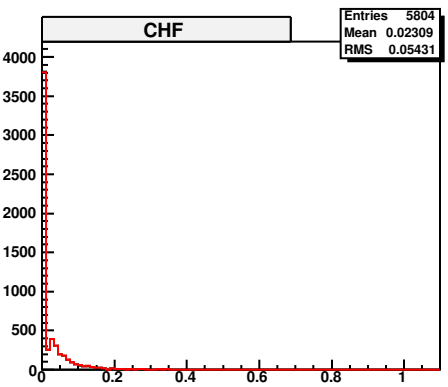


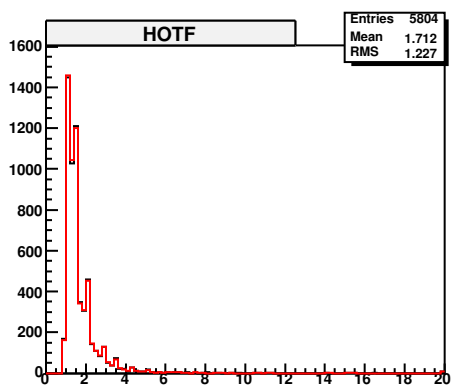


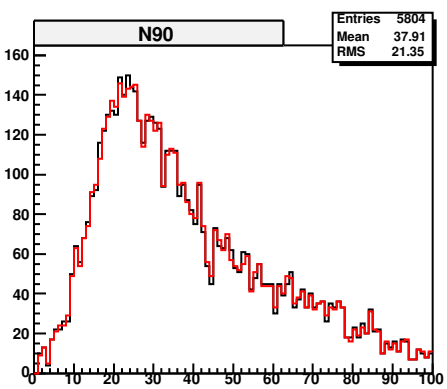


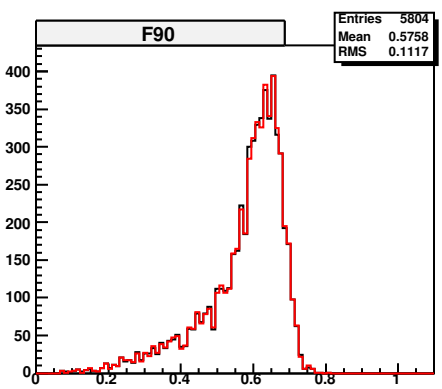


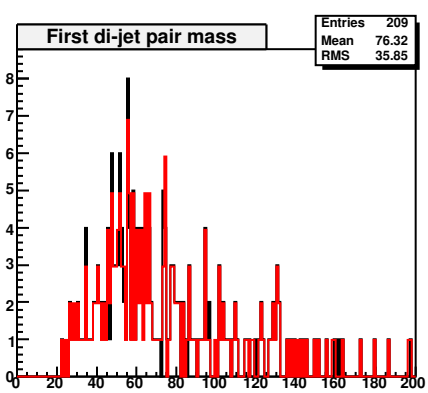


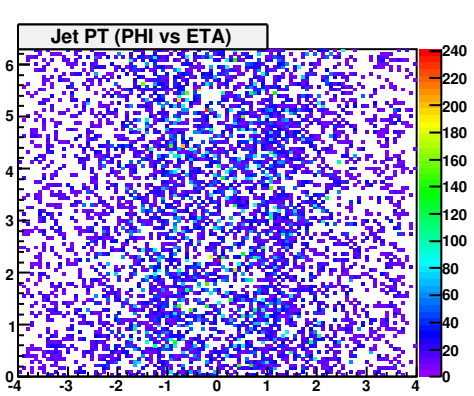




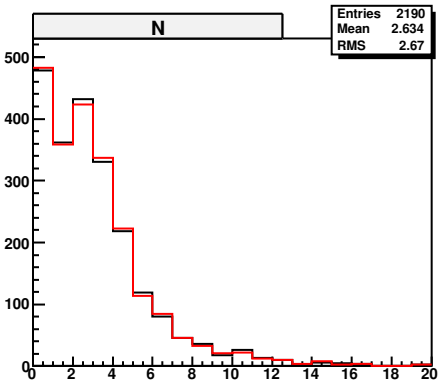


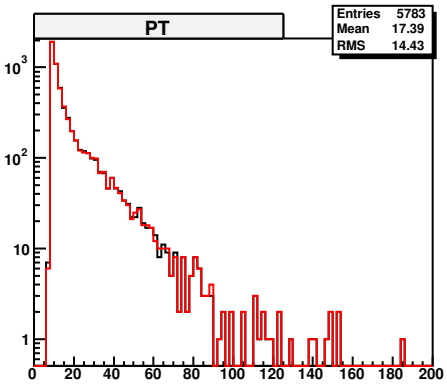


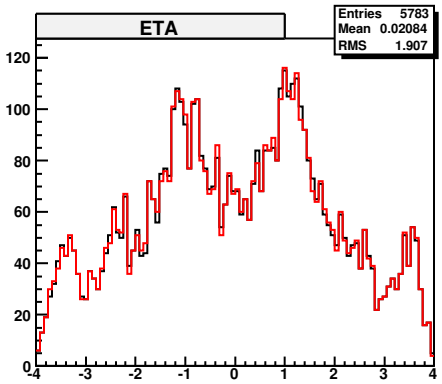


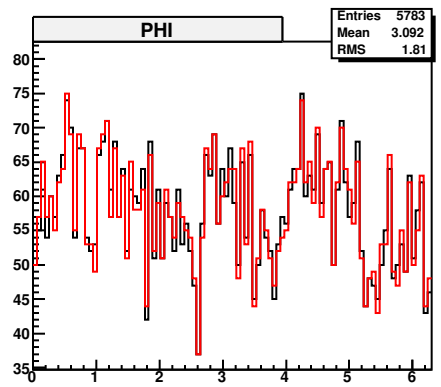


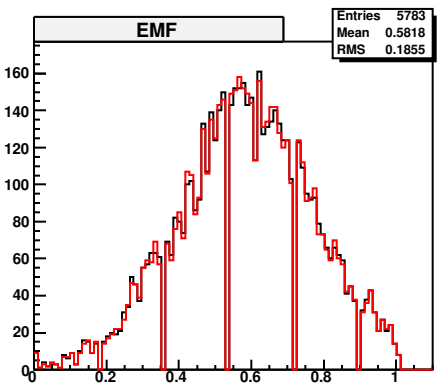
Jets (KT D 1 (no cuts))

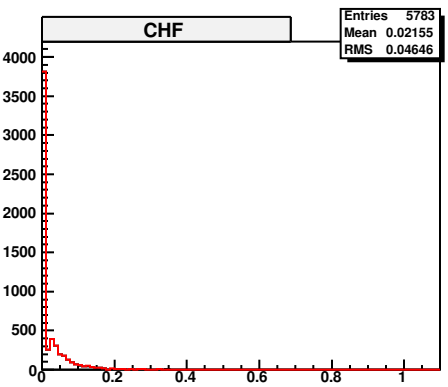


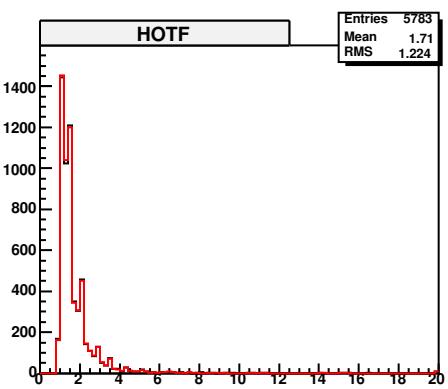


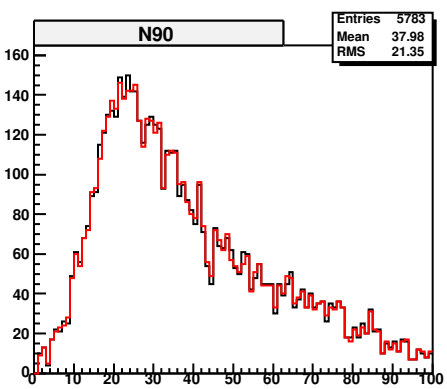


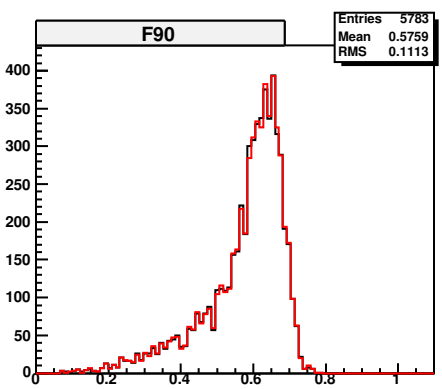


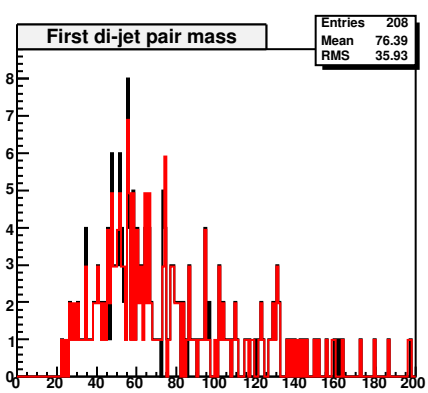


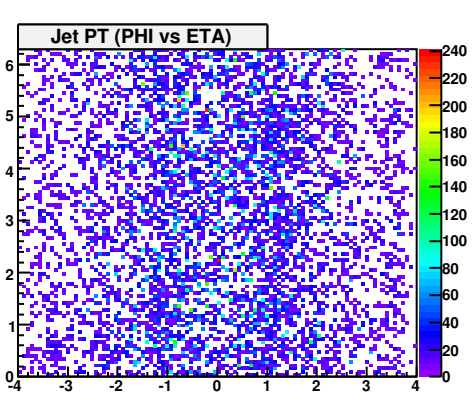




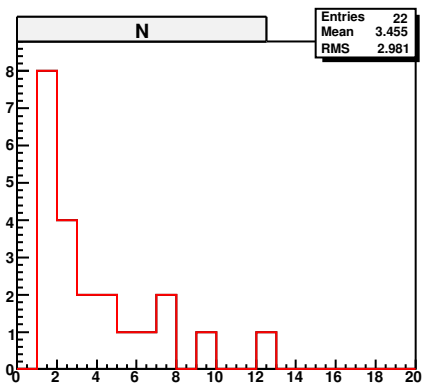


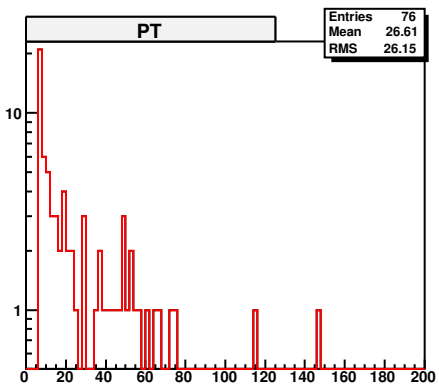


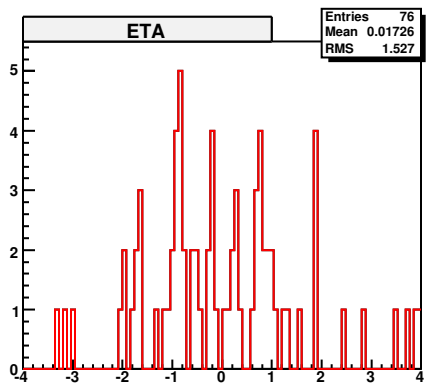


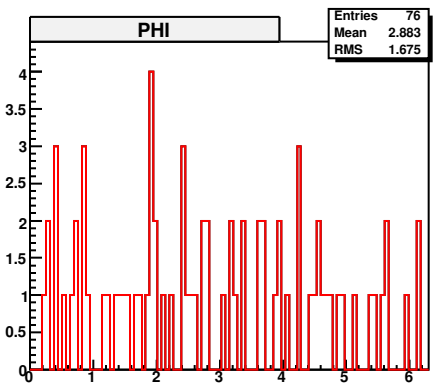


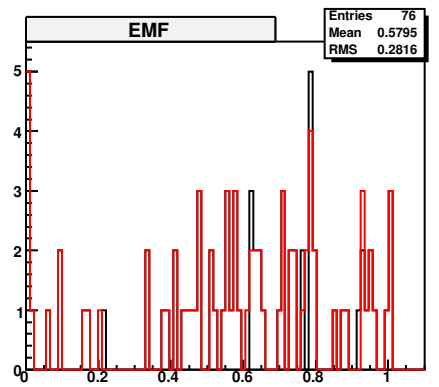
Jets (KT D 1 (standard cuts))

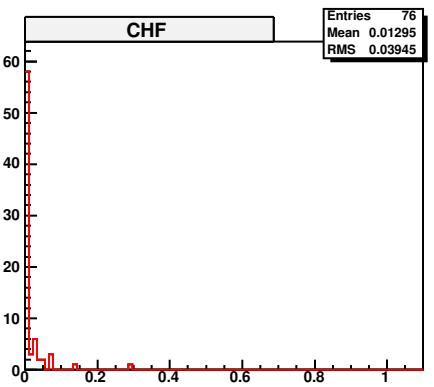


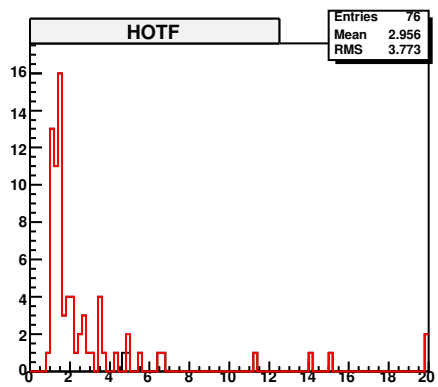


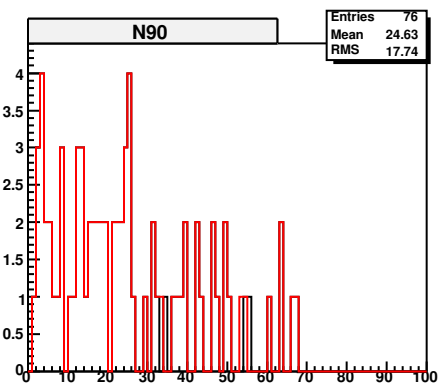


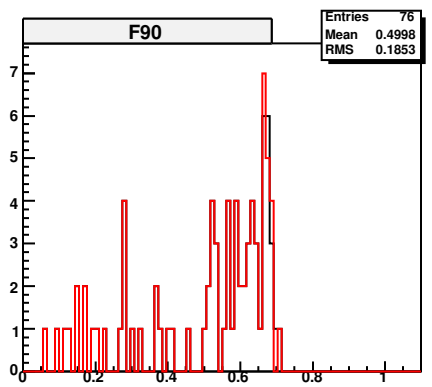


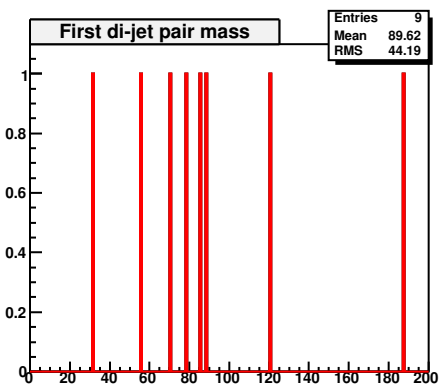


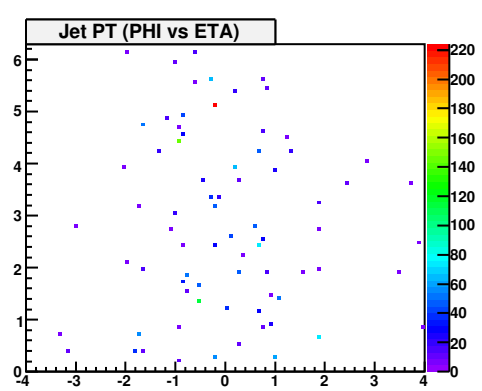




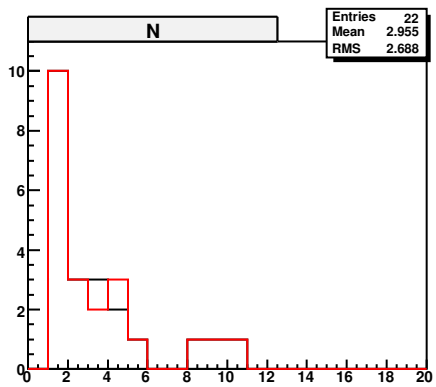


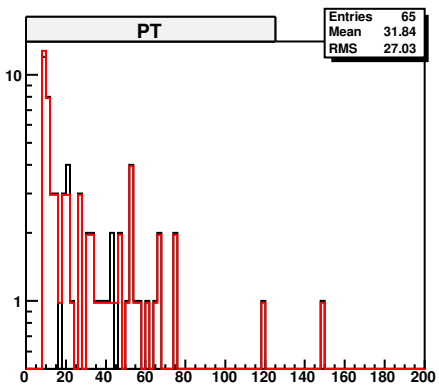


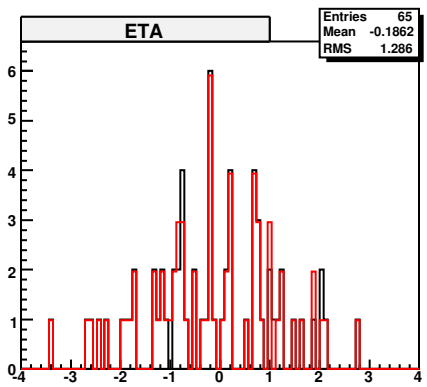


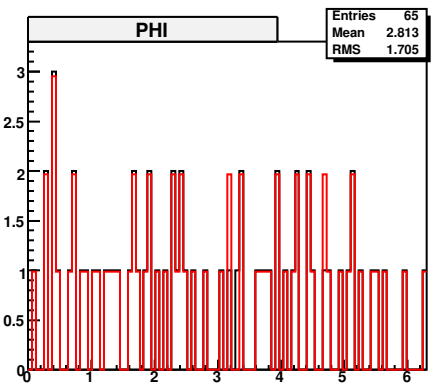


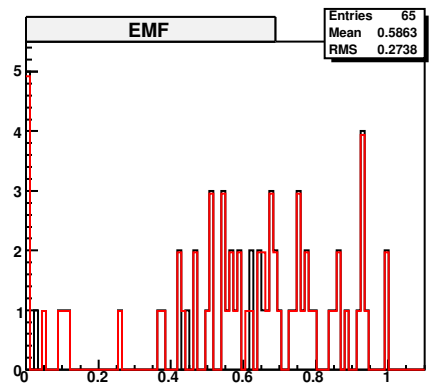
Jets (Cone R 0.7 (standard cuts, MET>30))

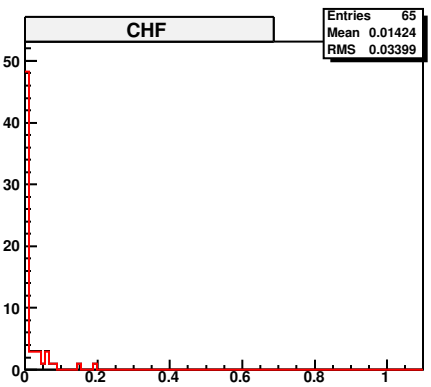


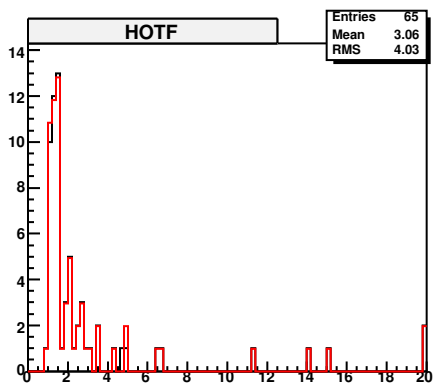


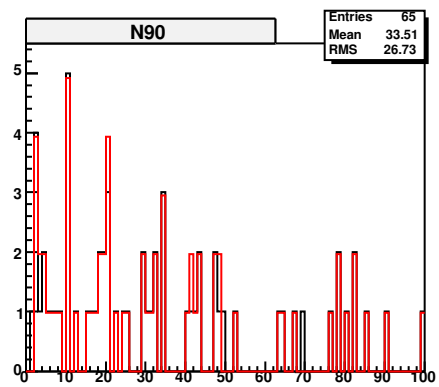


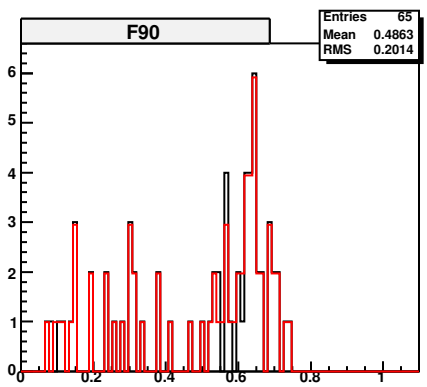


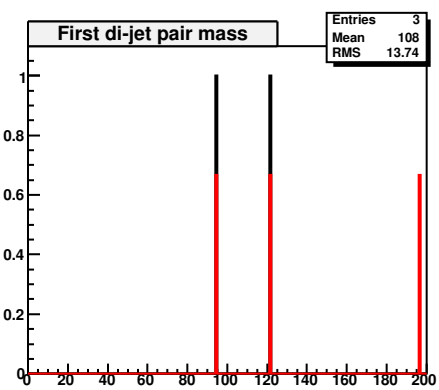


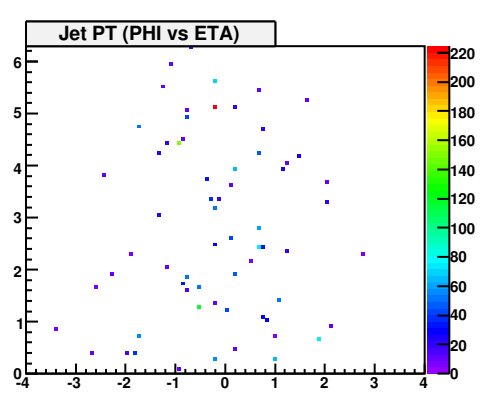




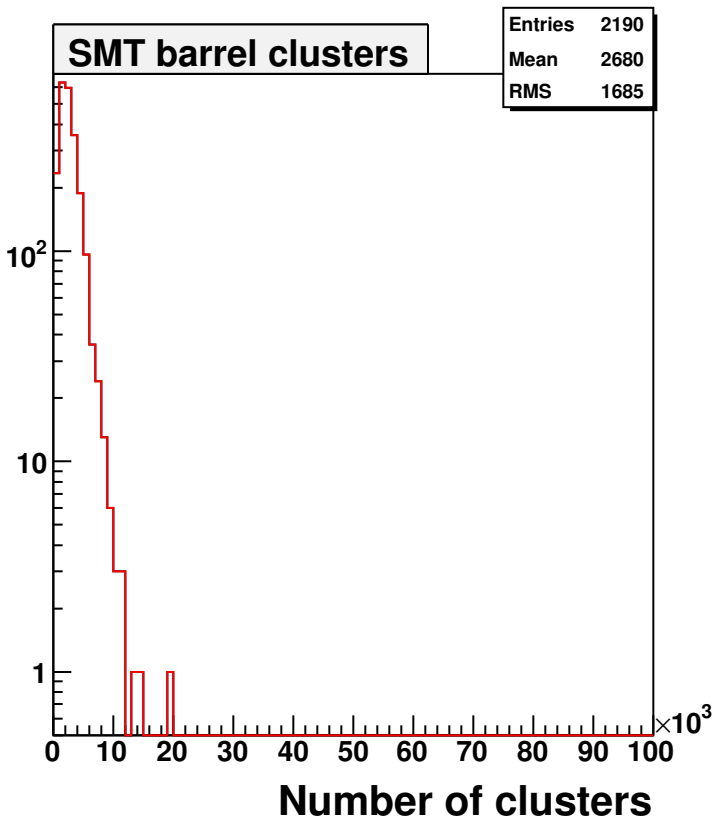


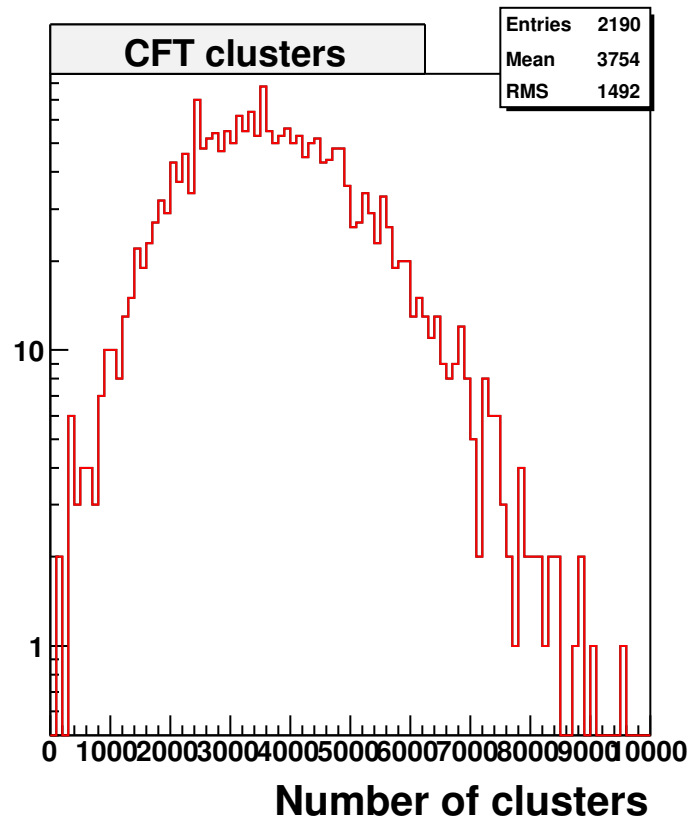


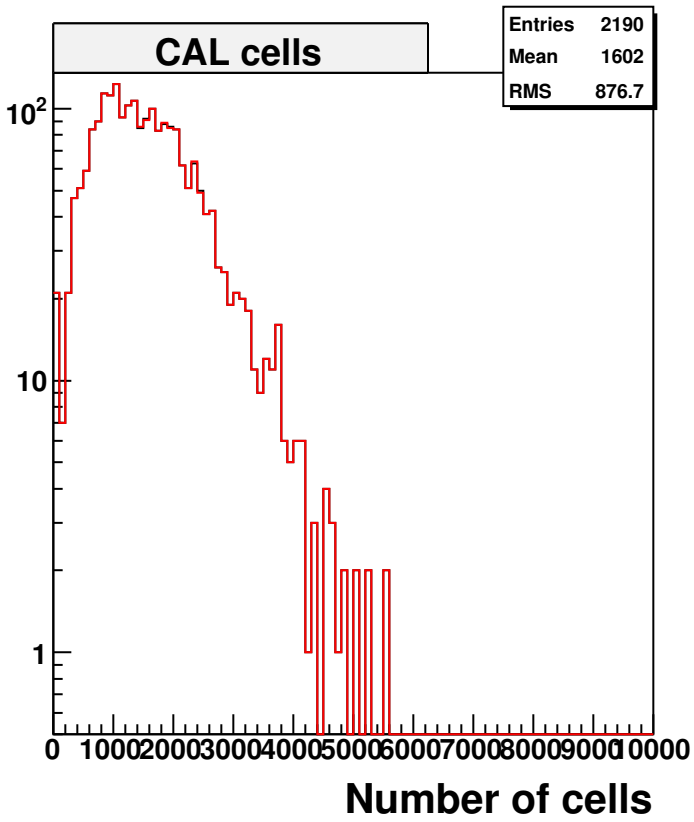


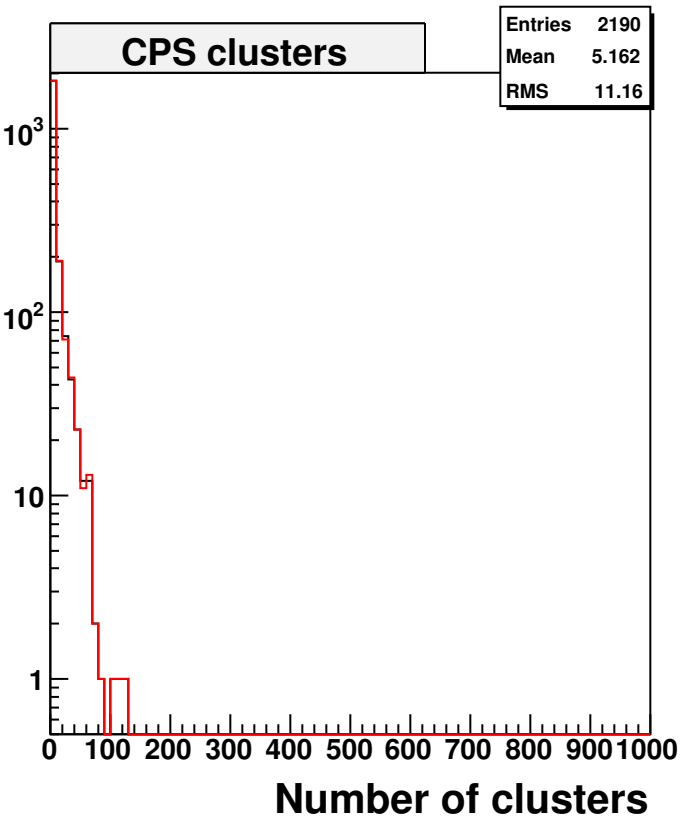


Jets (KT D 1 (standard cuts, MET>30))

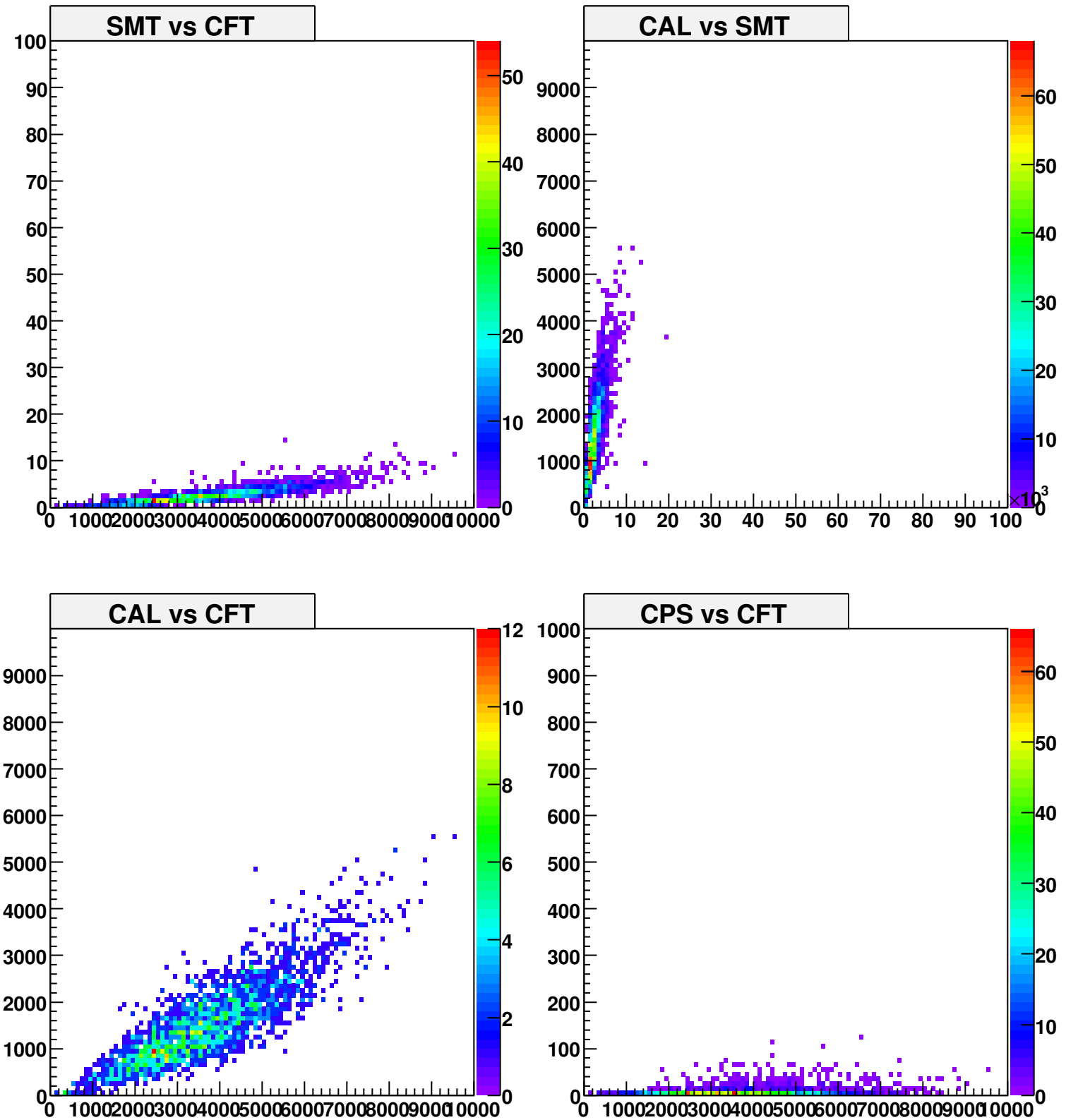


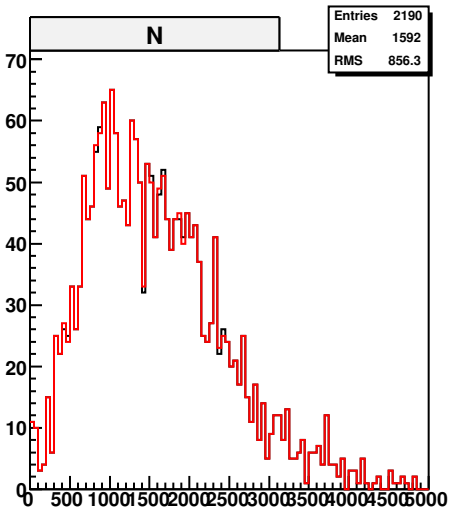


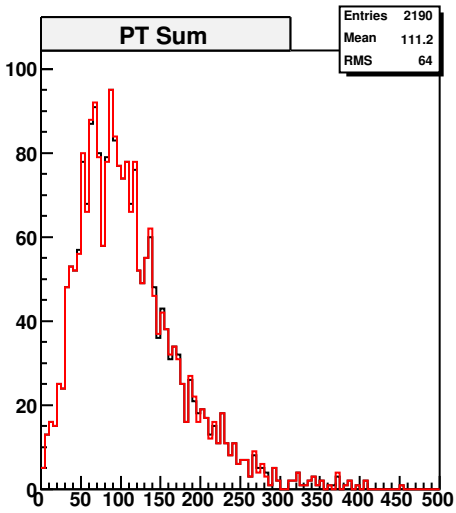


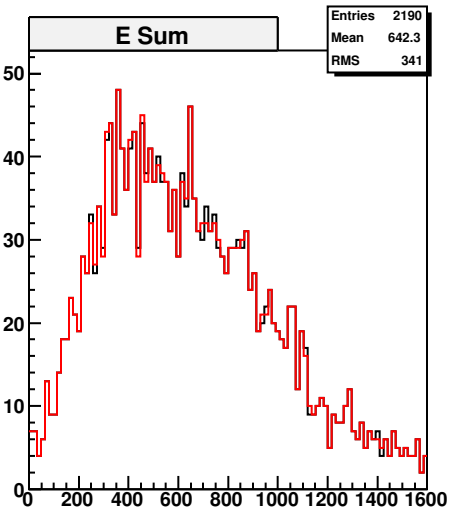


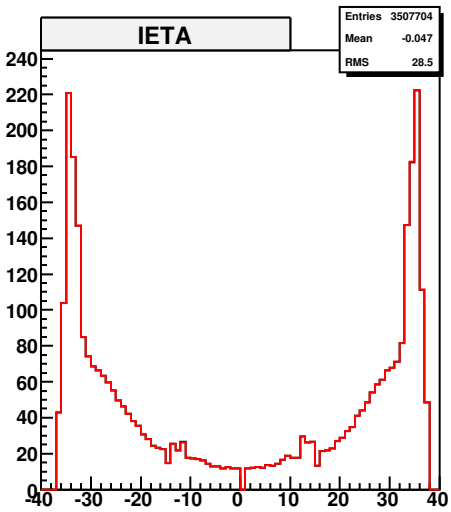
Detector Occupancy (Detector)

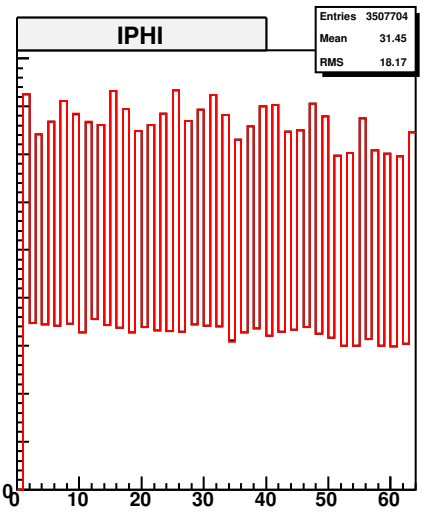

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

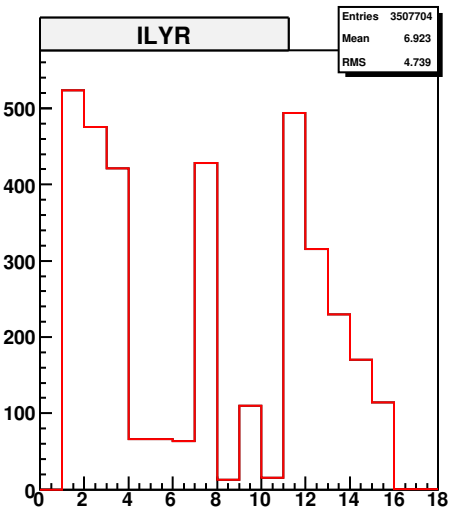


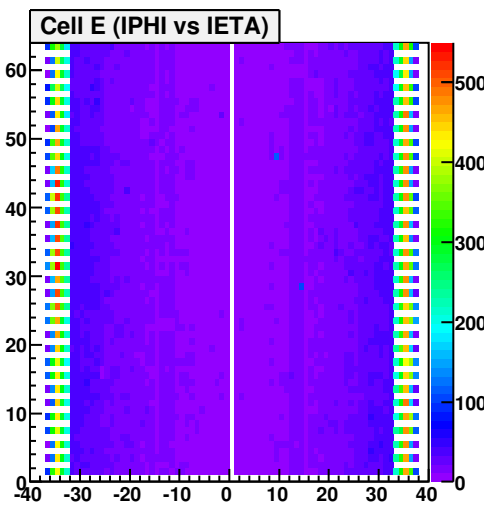


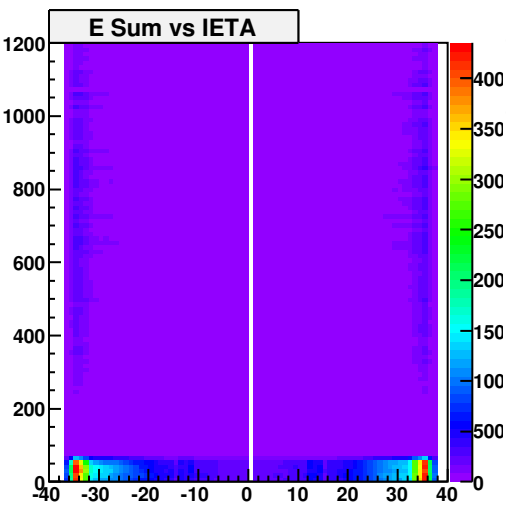


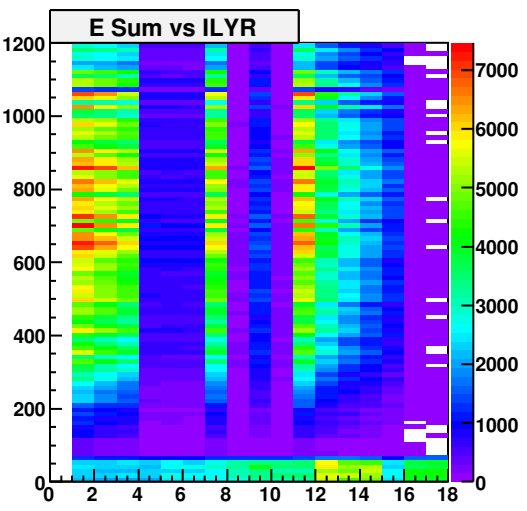




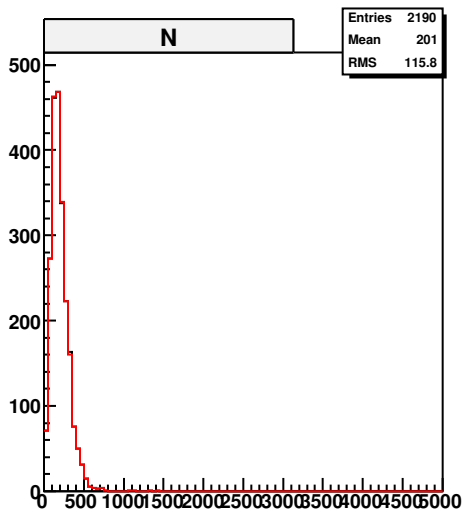


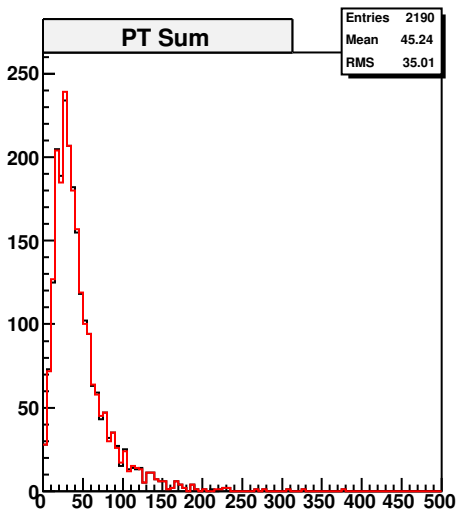


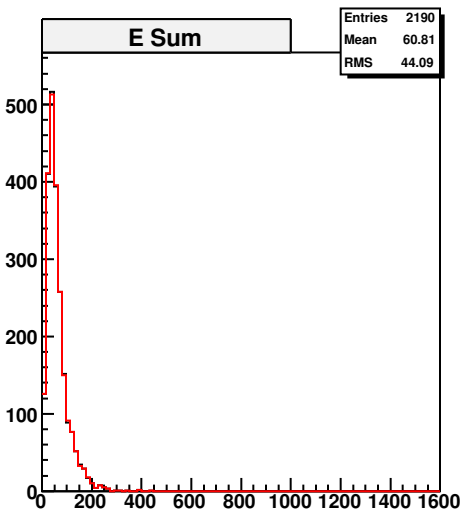


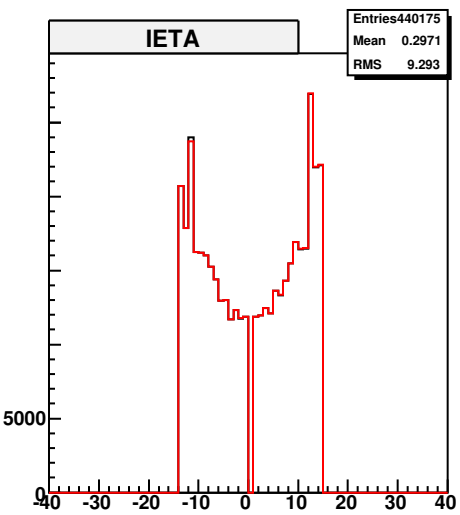


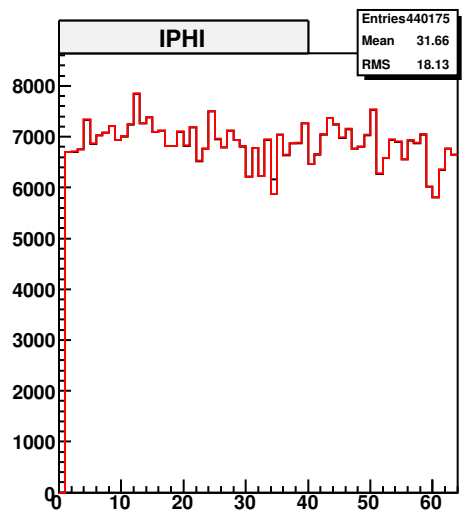
Calorimeter (All cells)

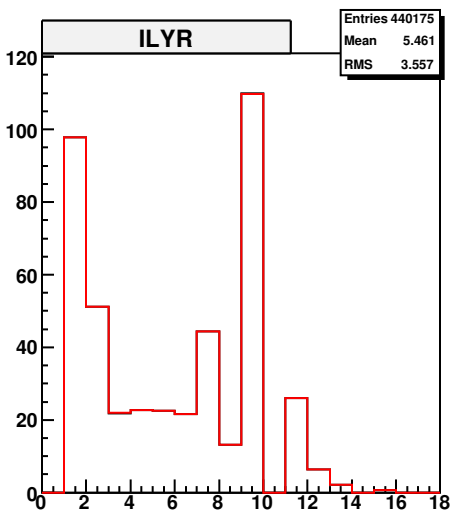


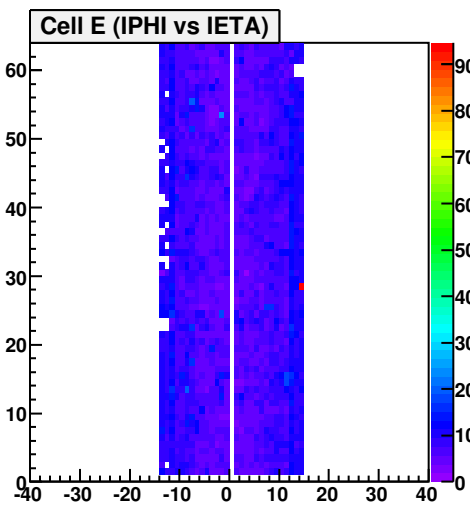


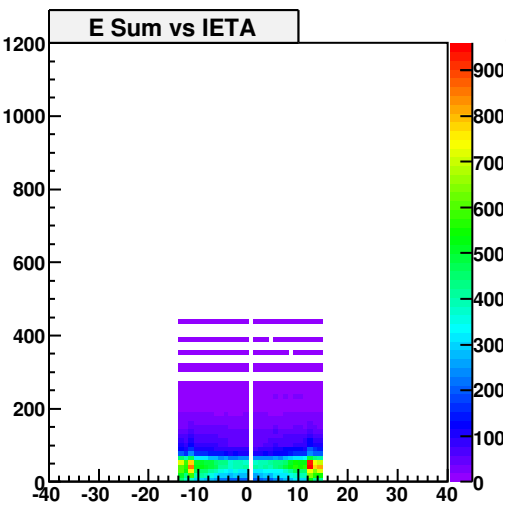


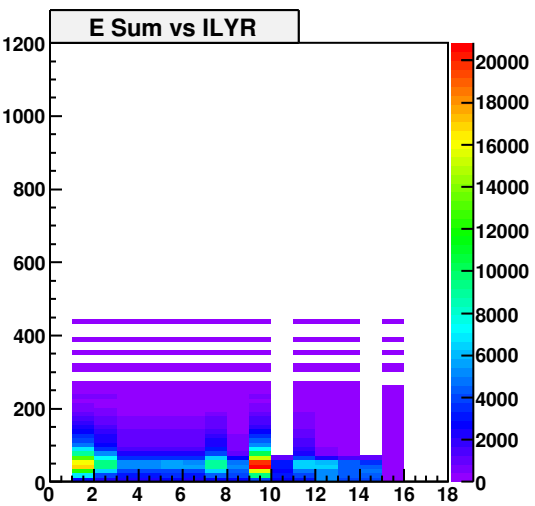




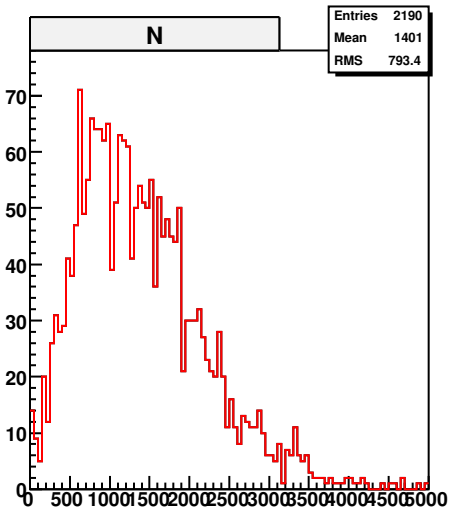


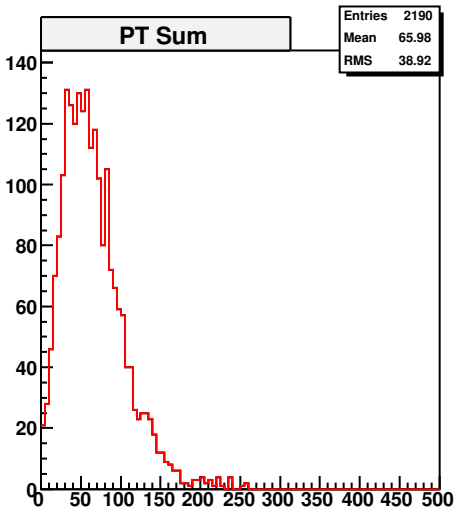


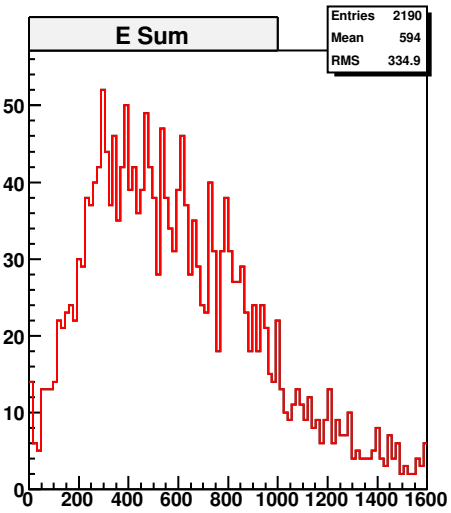


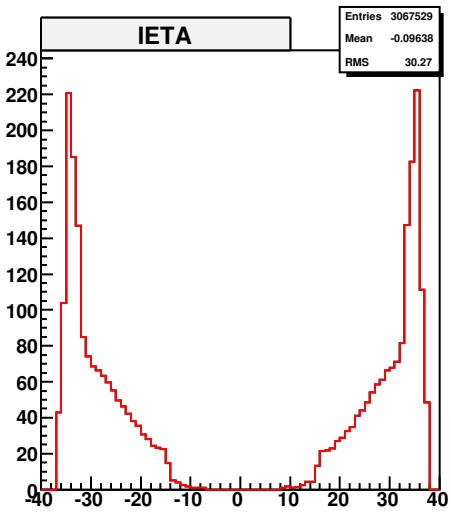


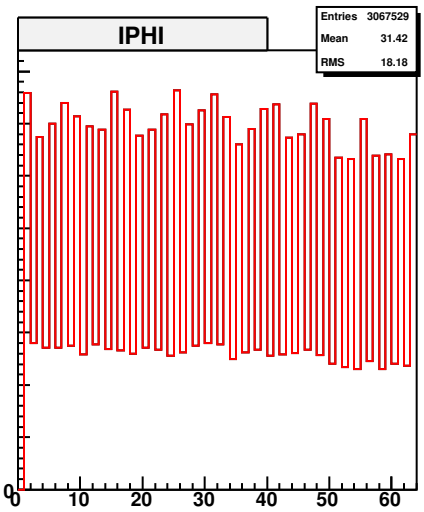
Calorimeter (All CC cells)

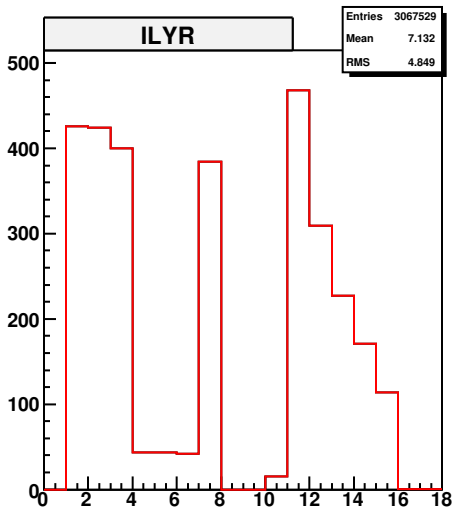


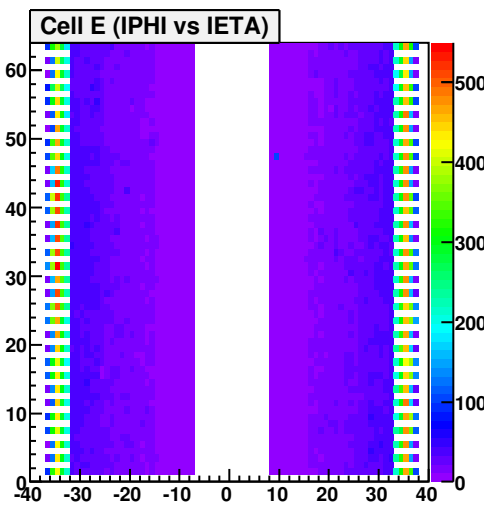


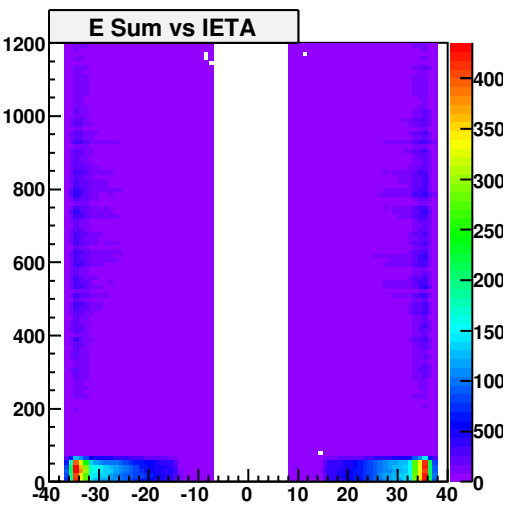


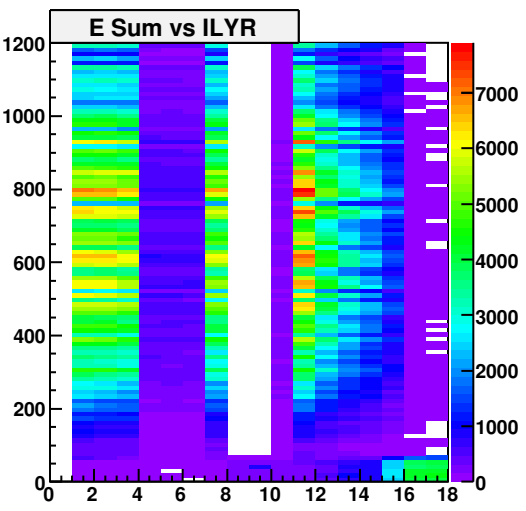




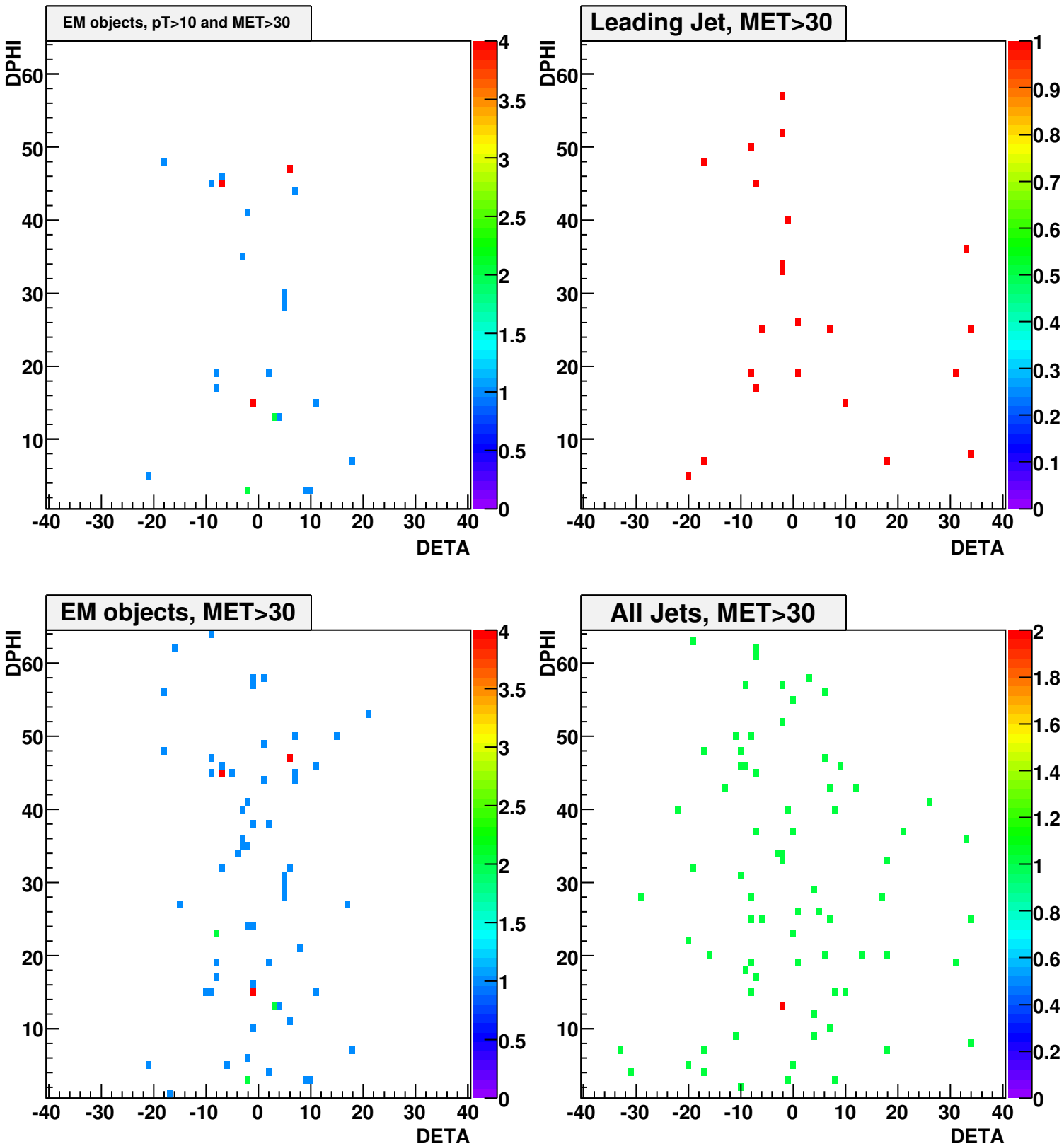




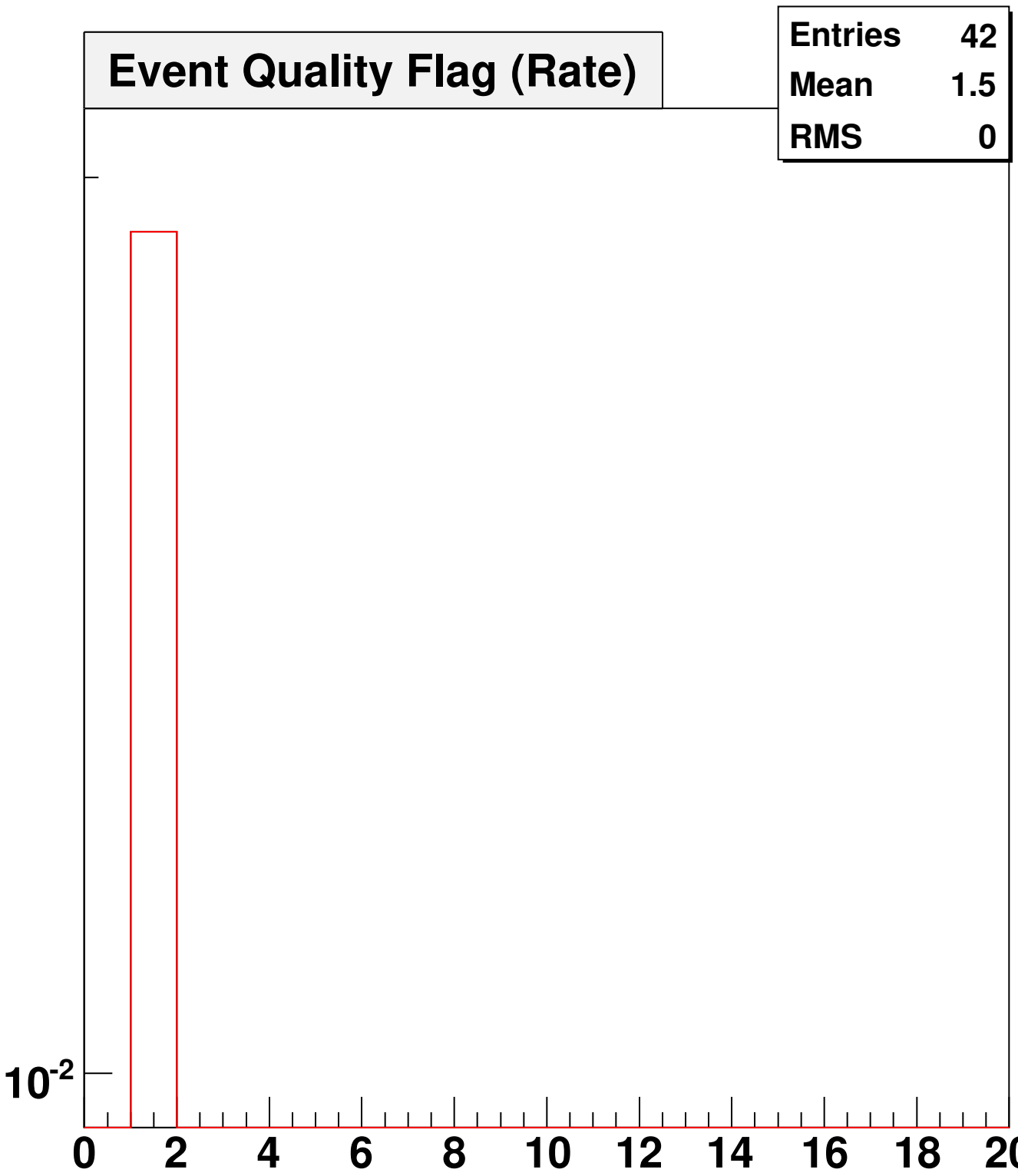


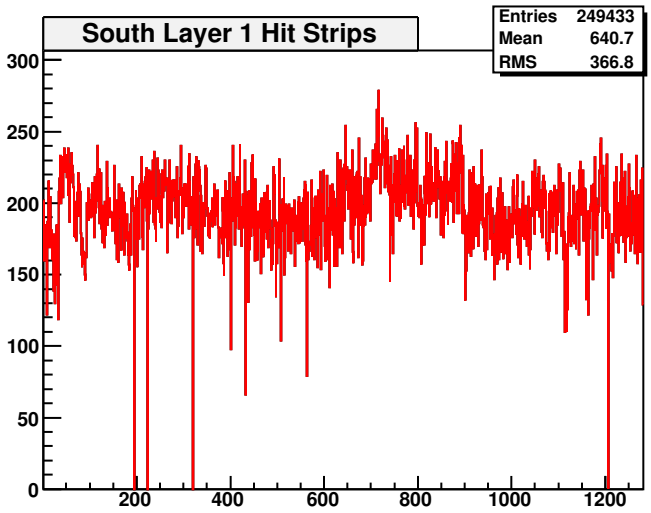


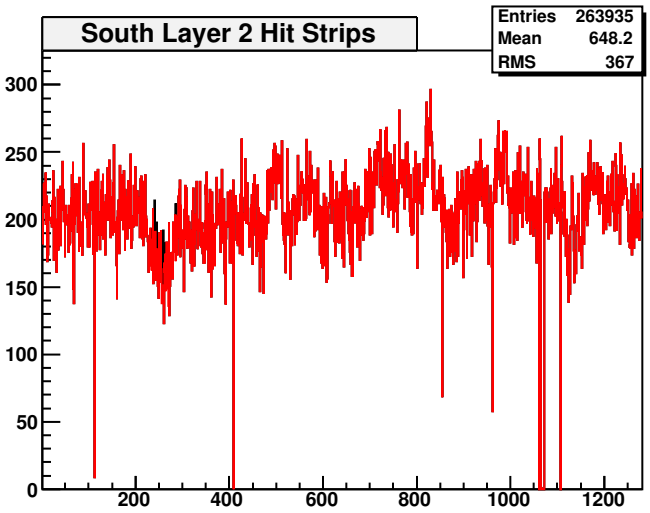
Calorimeter (All EC cells)

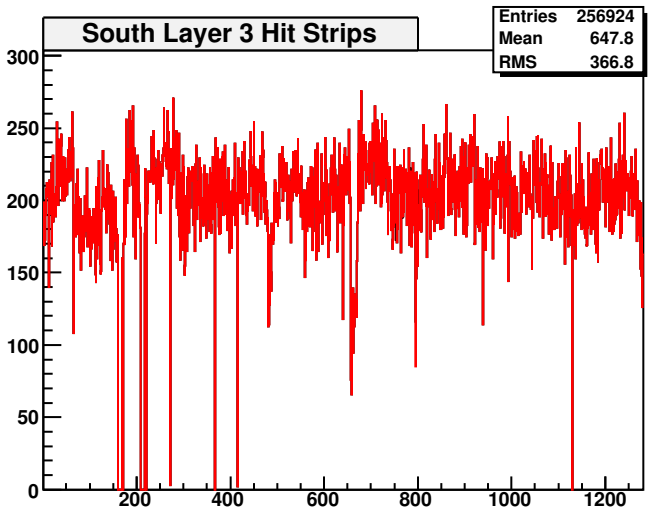


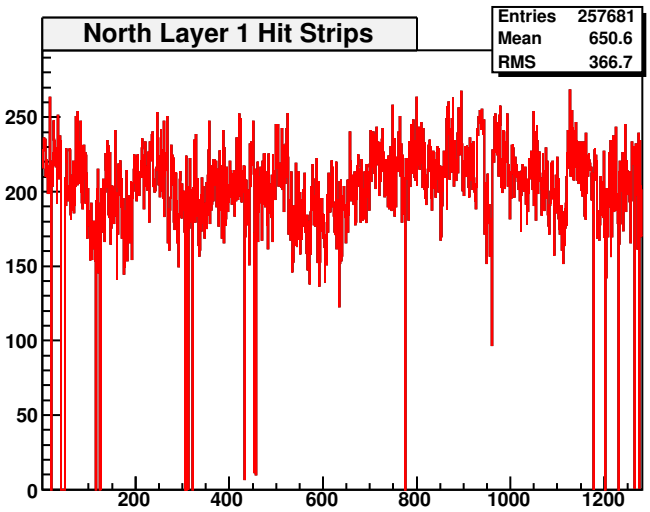
Cal Objects with MET>30 (All cells)

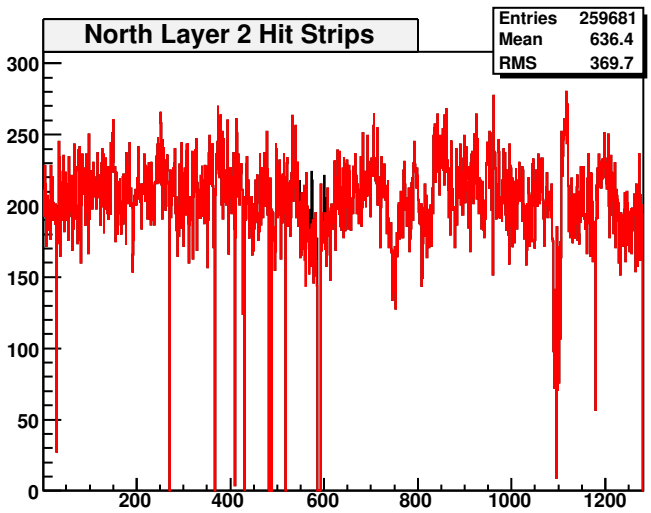

Event Quality Flag (Rate)
Entries 42
Mean 1.5
RMS 0
10^{-2}
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

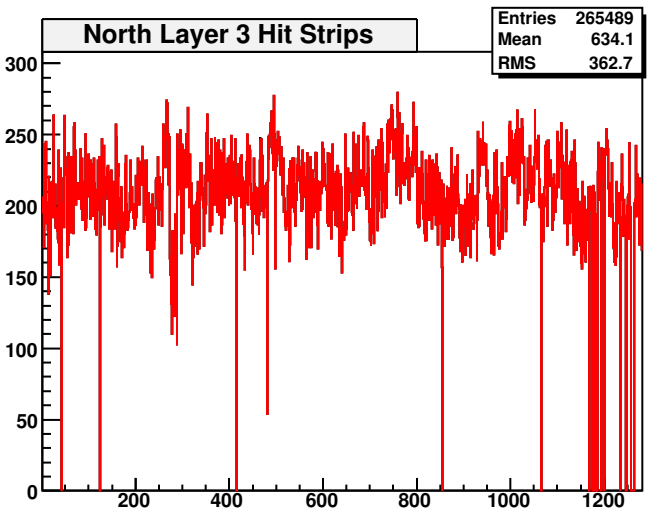




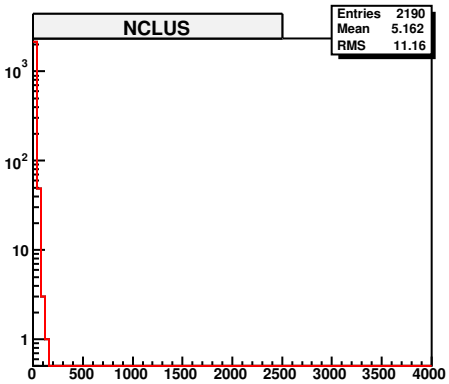


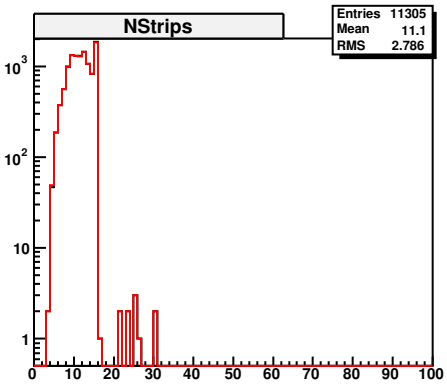


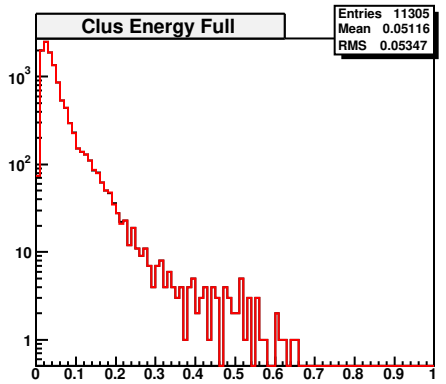


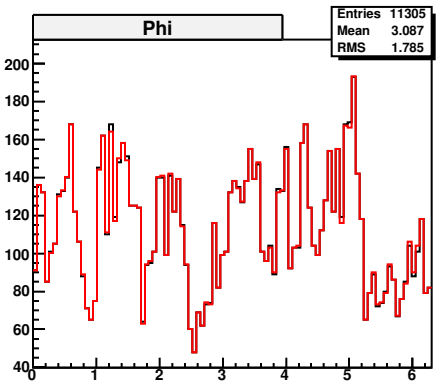


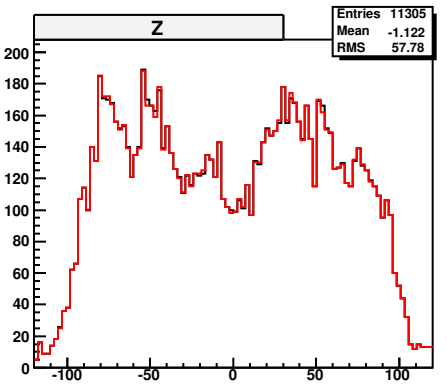
CPS Hit Strips (All Clusters)

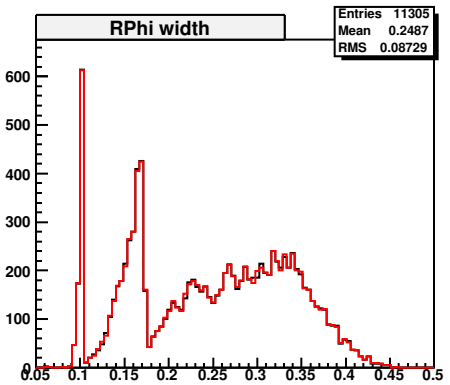


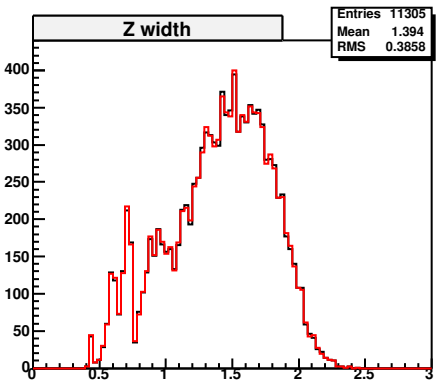


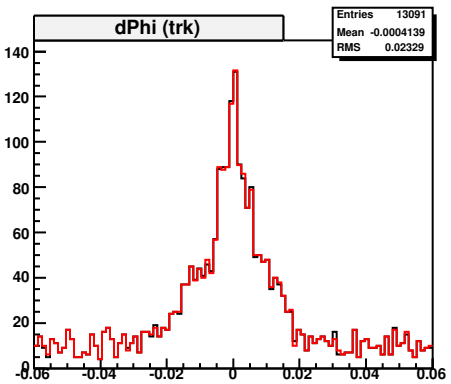


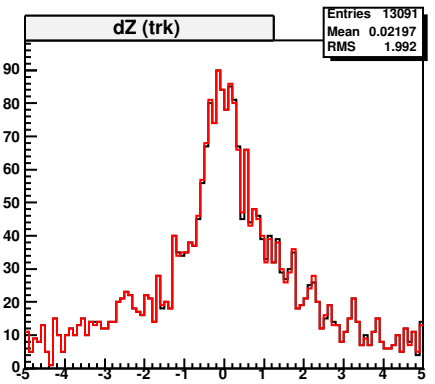


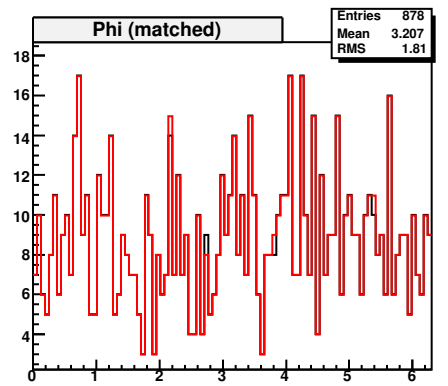


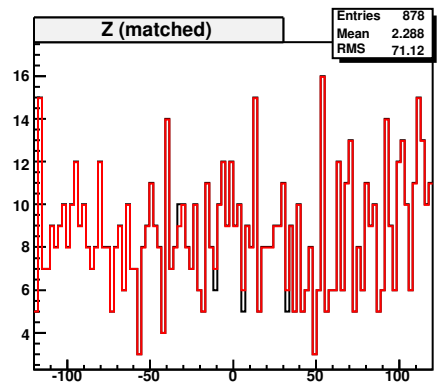




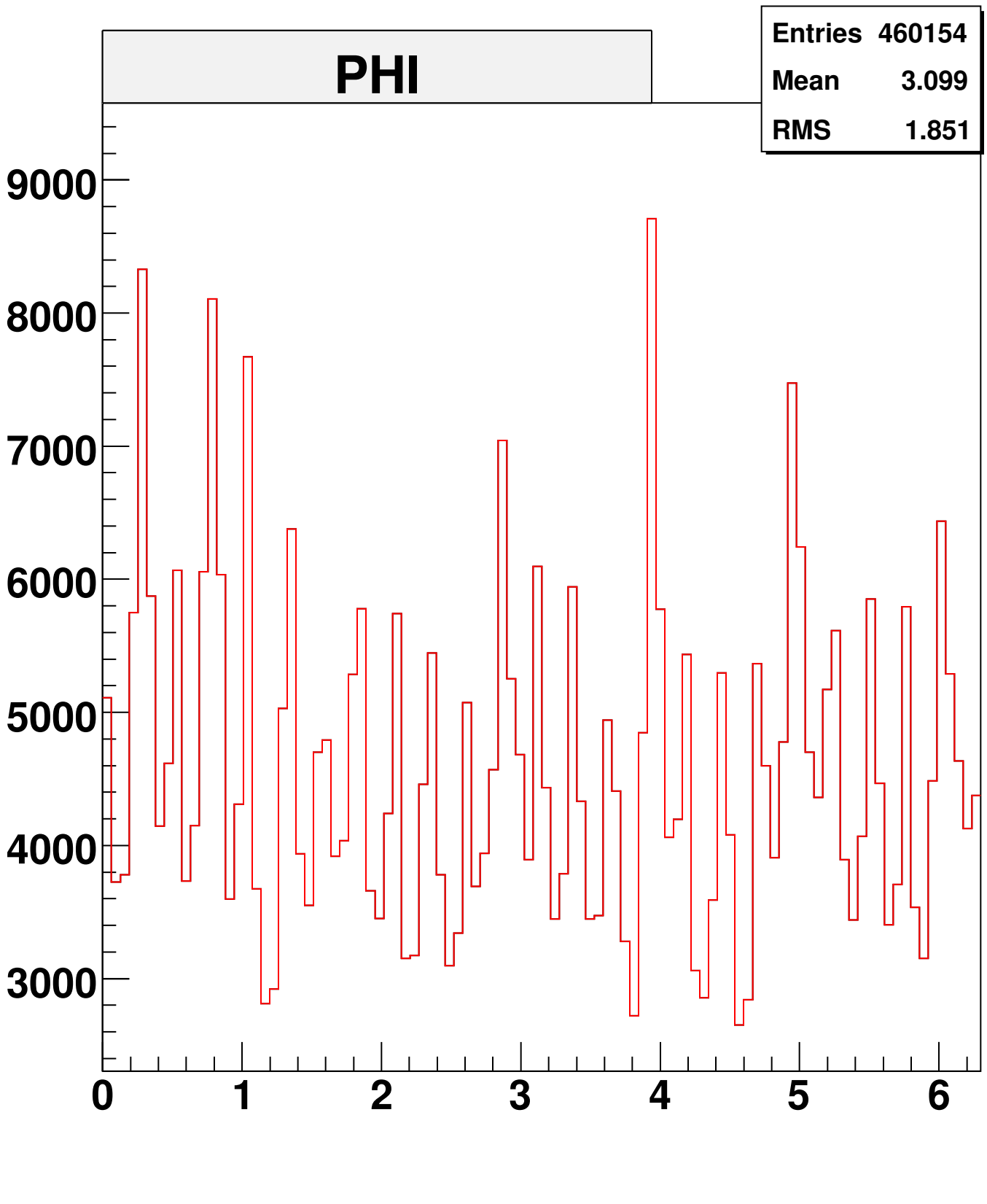


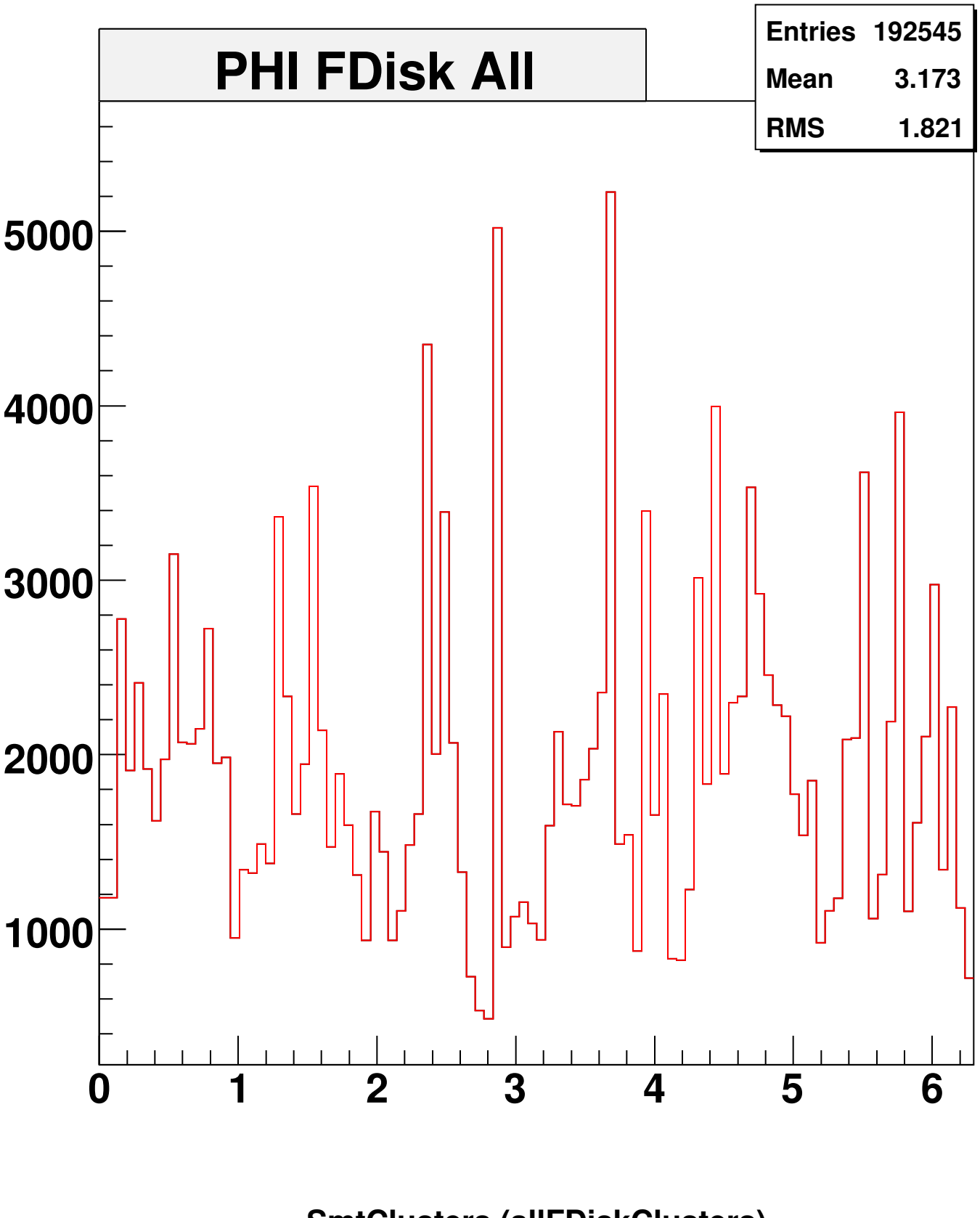


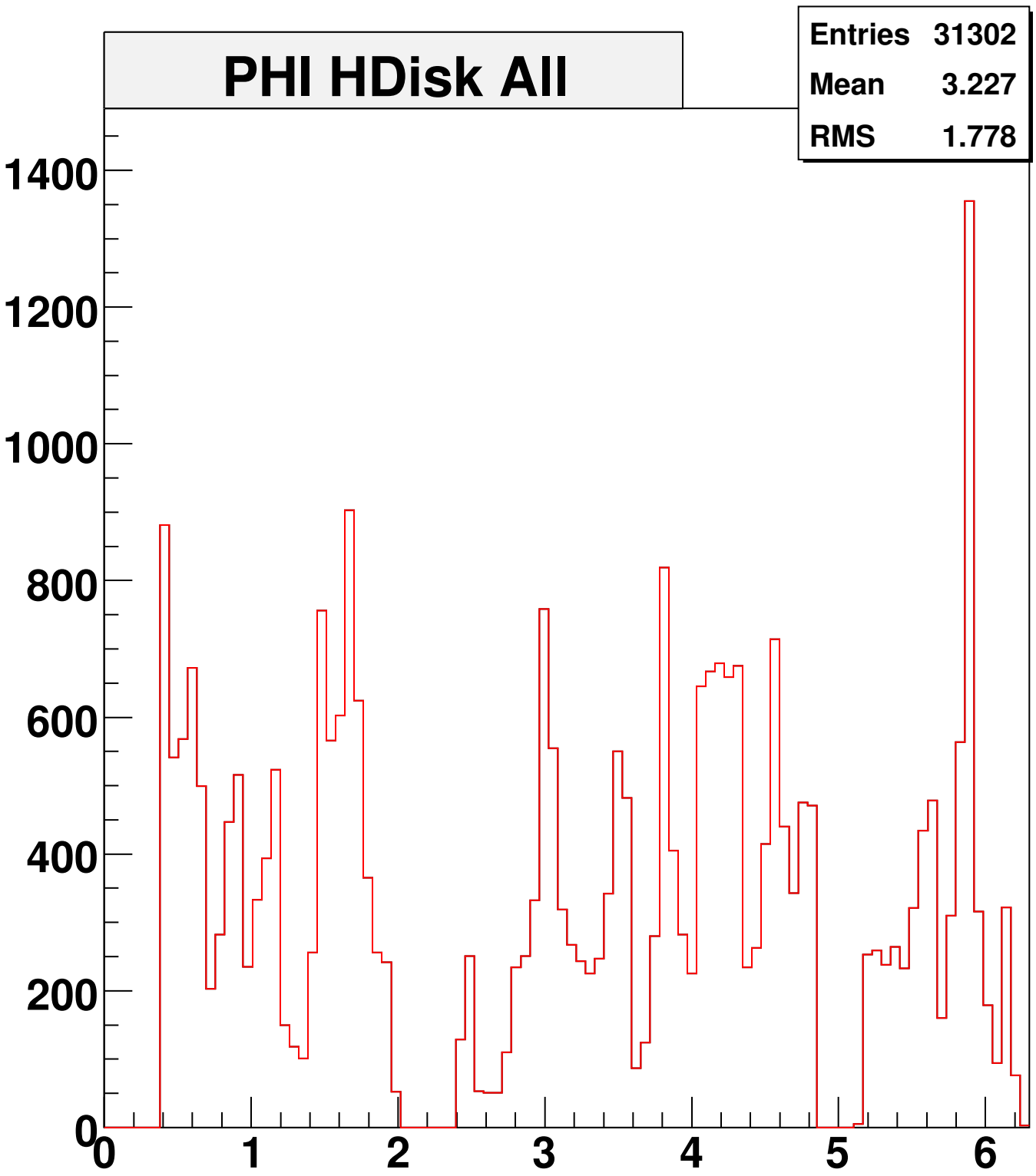


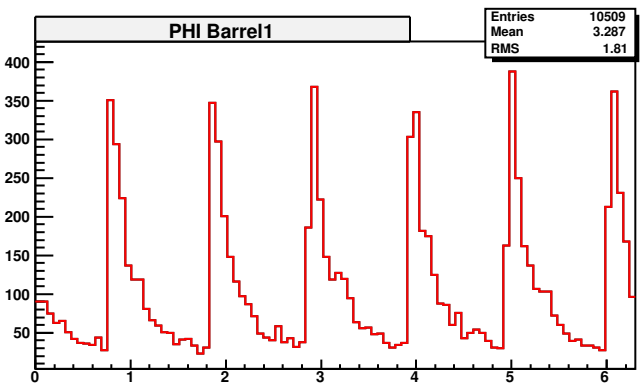


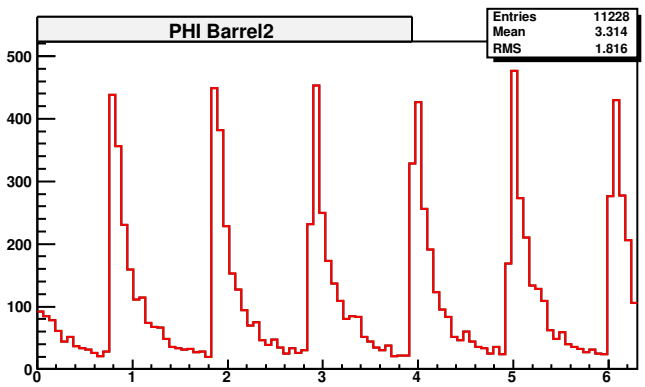
CPS Clusters (All Clusters)

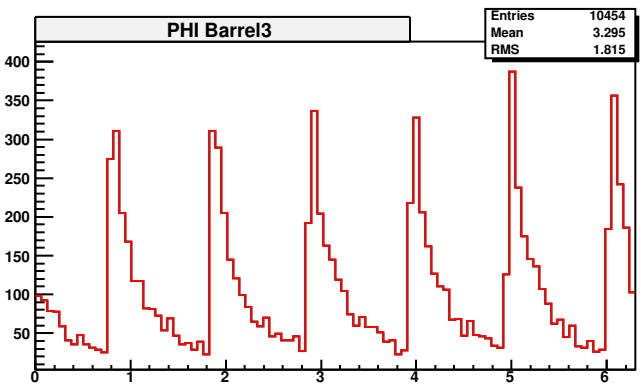

PHI
Entries 460154
Mean 3.099
RMS 1.851
9000
8000
7000
6000
5000
4000
3000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

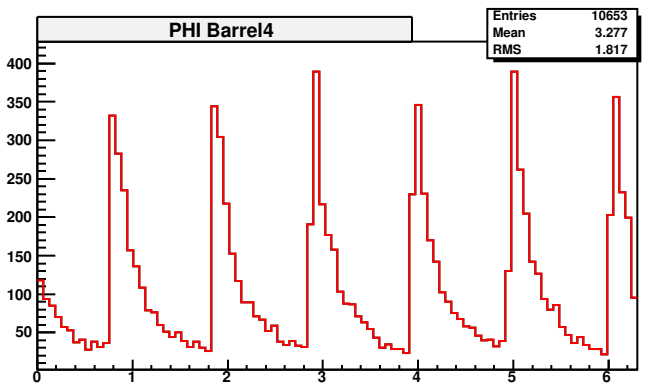

PHI FDisk All
Entries 192545
Mean 3.173
RMS 1.821
5000
4000
3000
2000
1000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

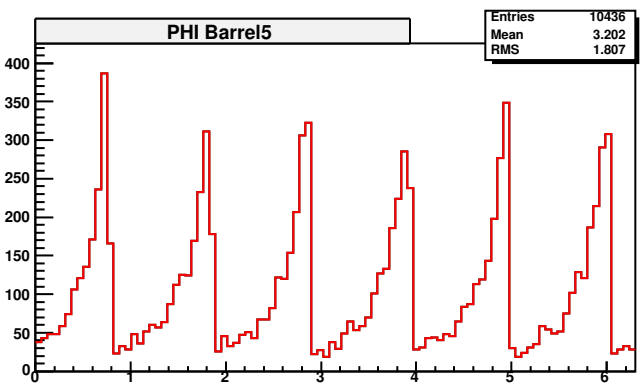

PHI HDisk All
Entries 31302
Mean 3.227
RMS 1.778
1400
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

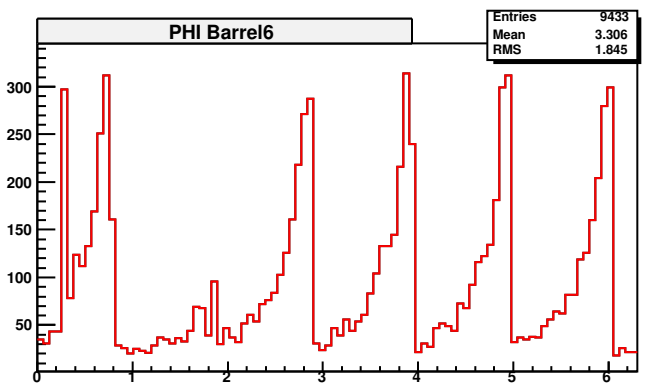


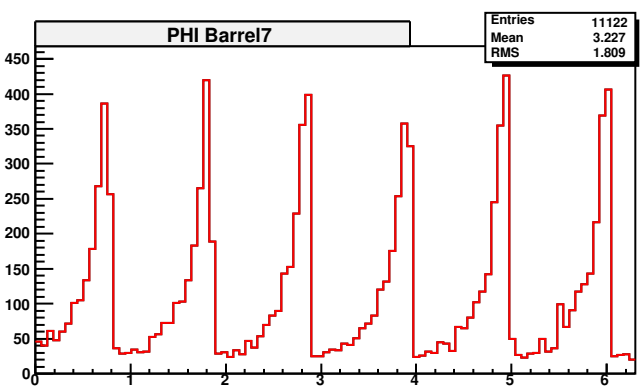


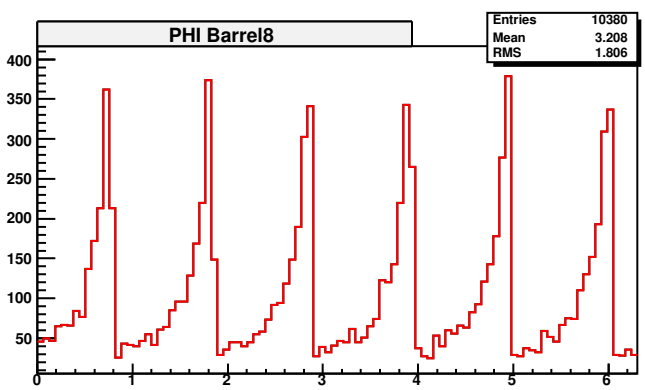




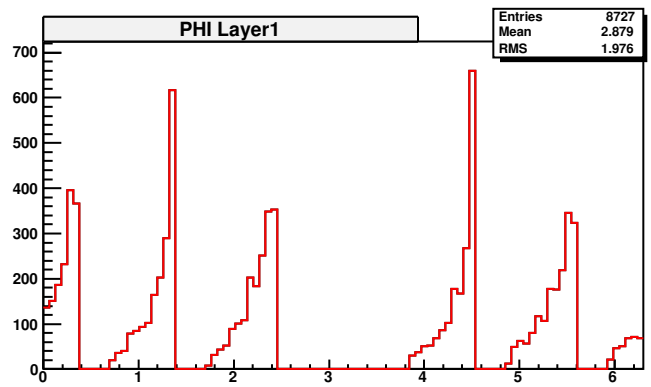


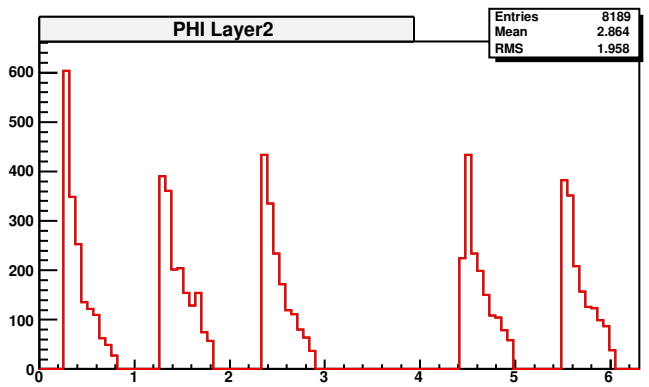


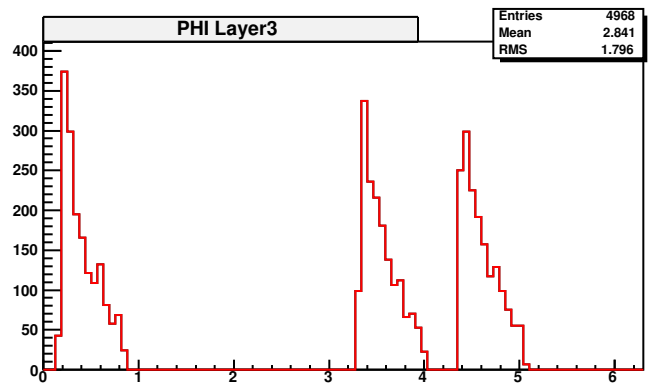


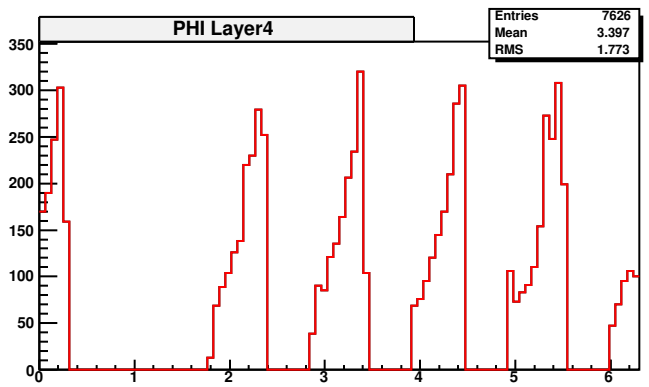


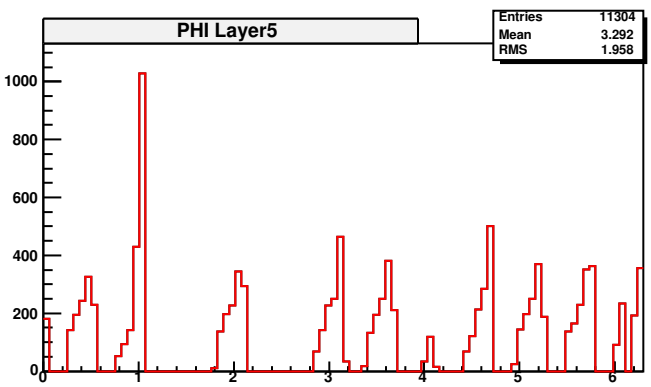
SmtClusters (ClustrLayer0)

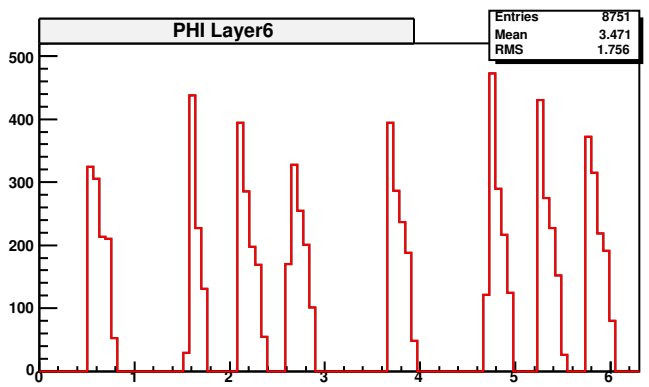


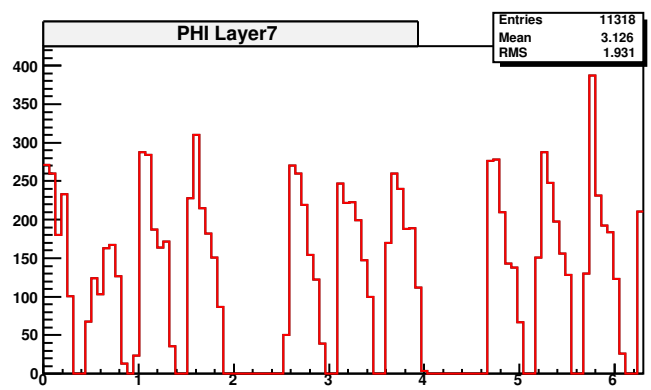


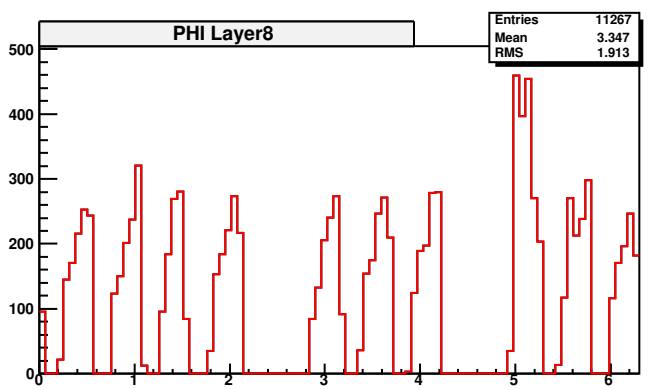




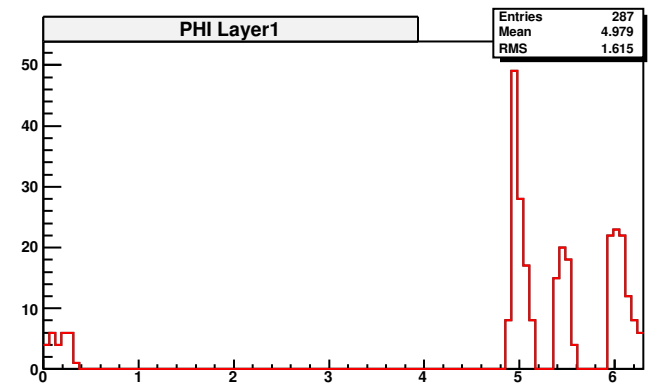


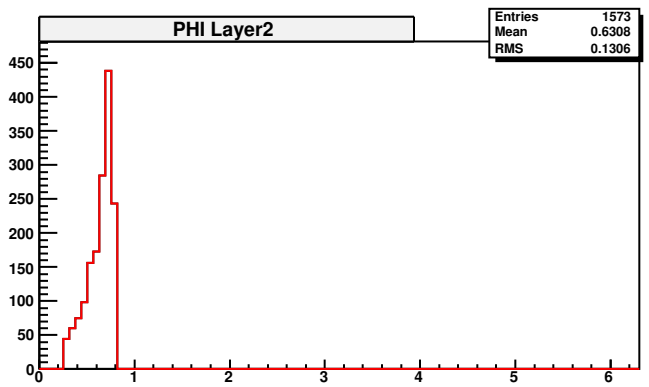


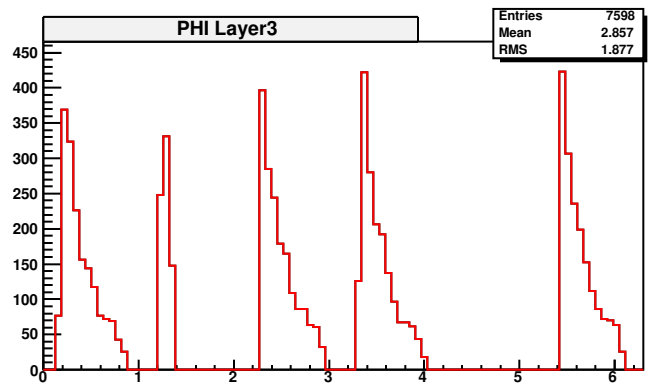


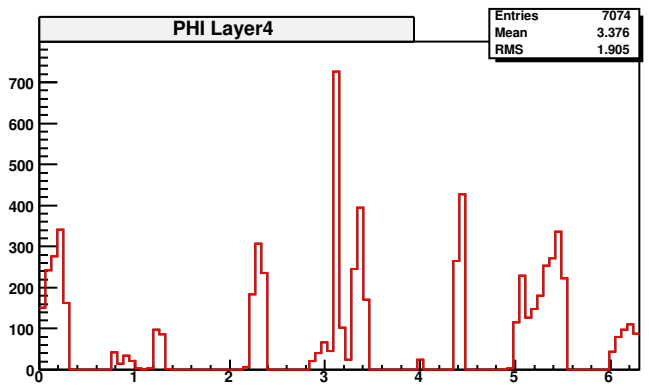


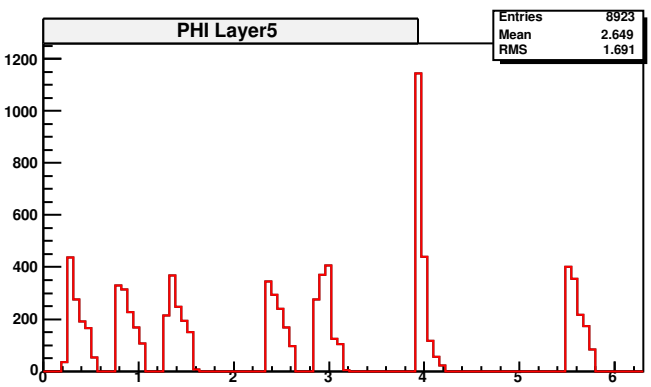
SmtClusters (ClustrBar1)

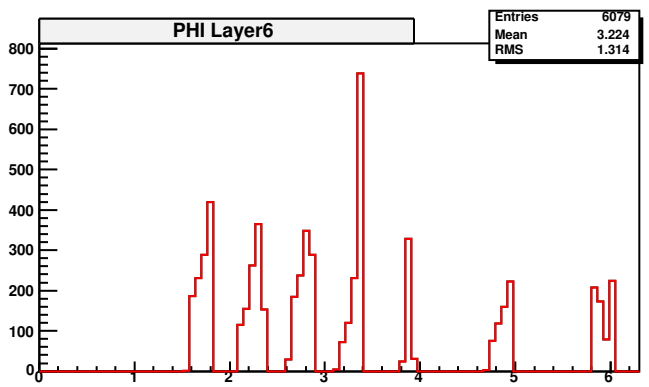


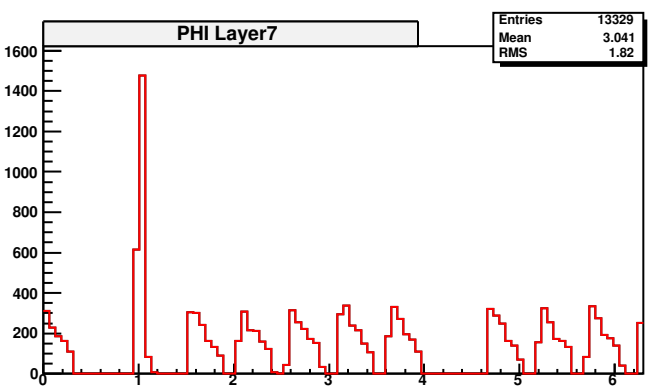


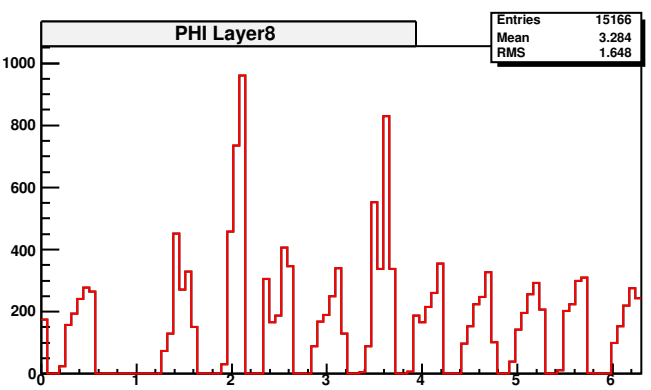




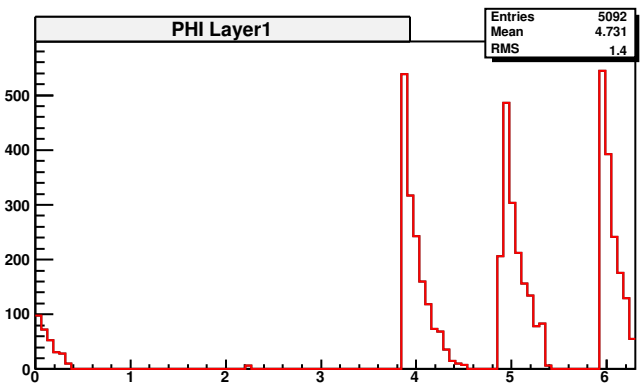


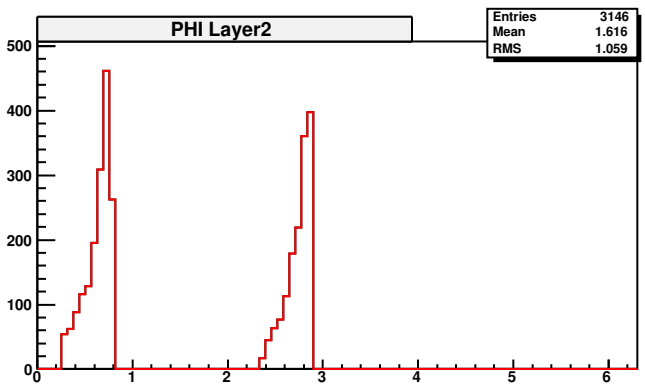


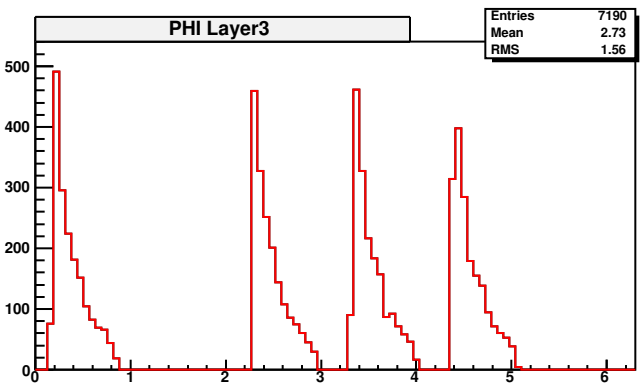


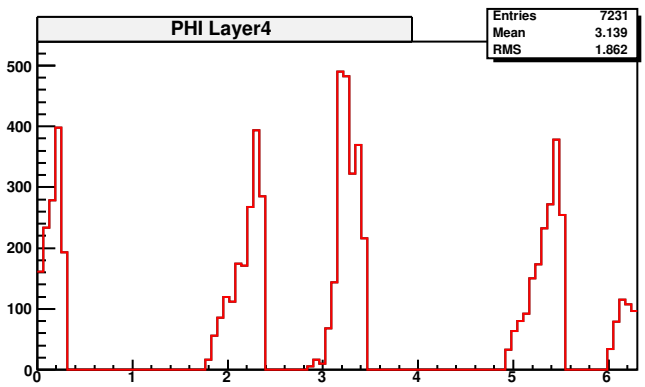


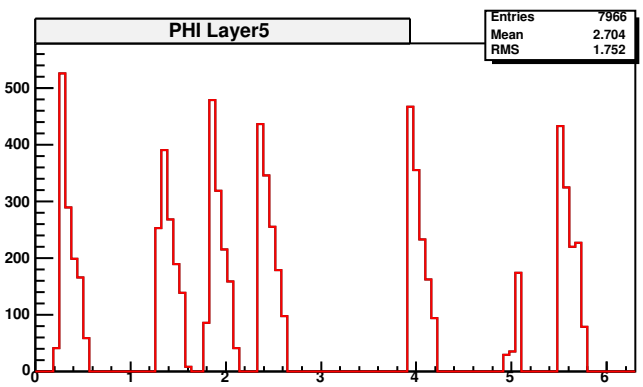
SmtClusters (ClustrBar2)

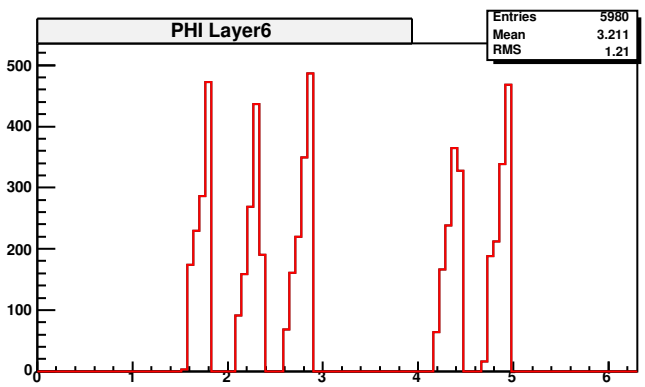


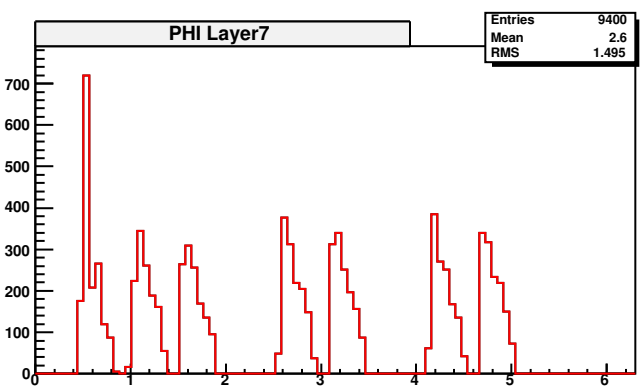


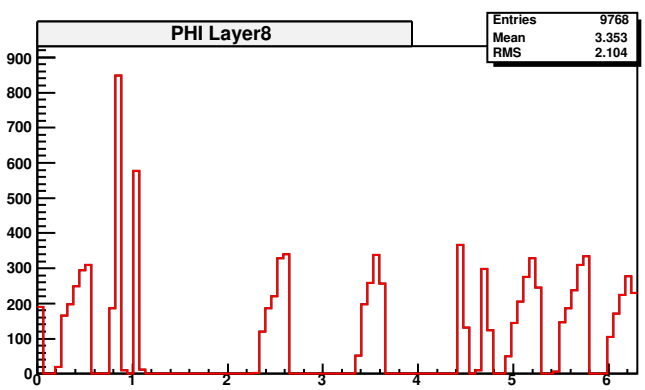




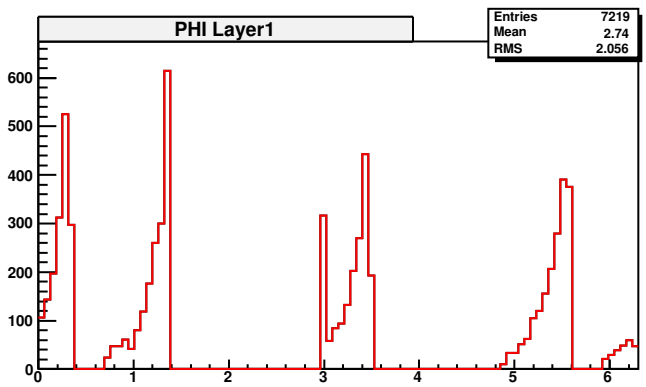


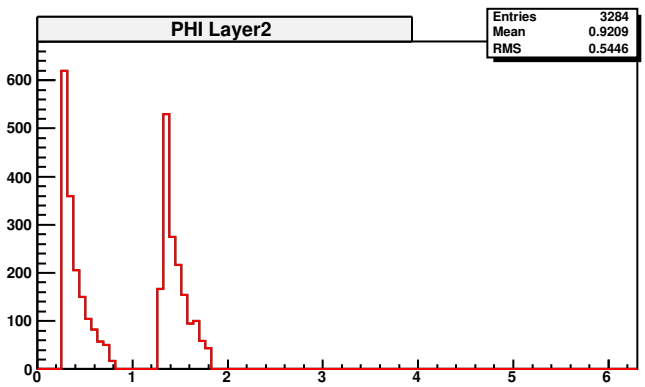


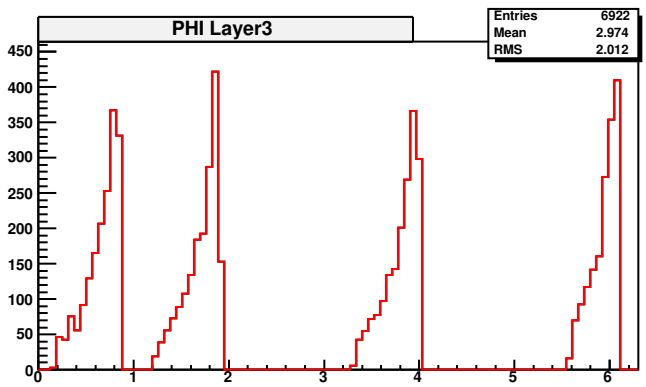


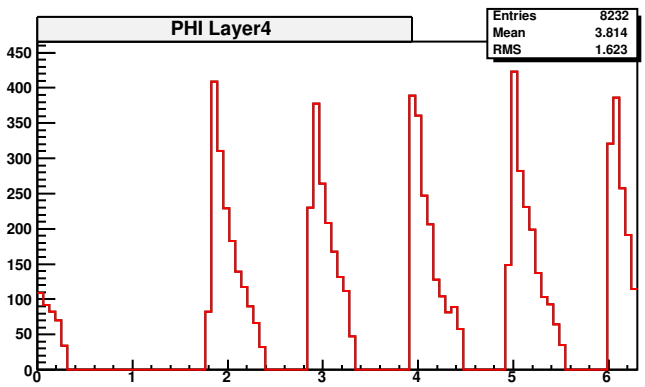


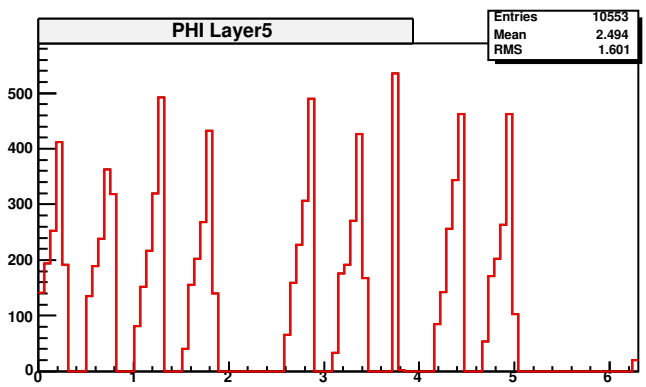
SmtClusters (ClustrBar3)

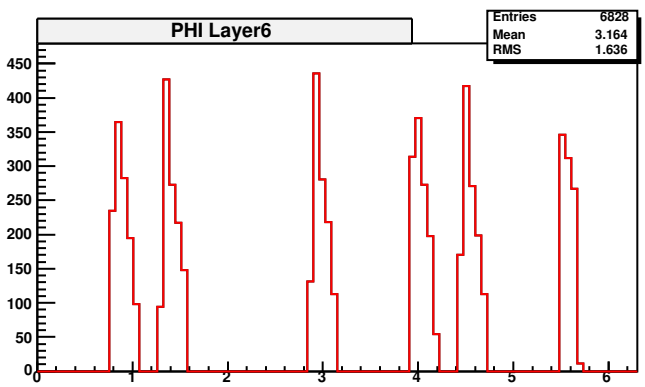


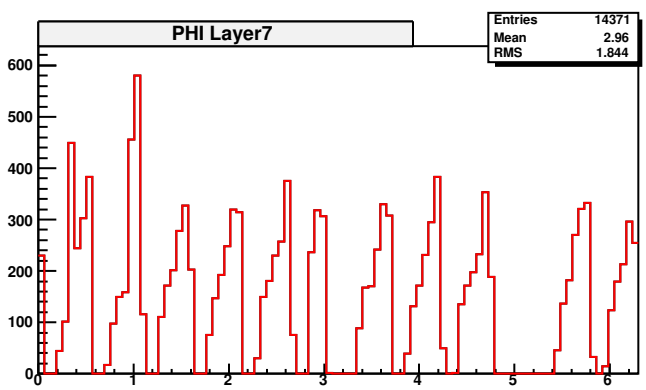


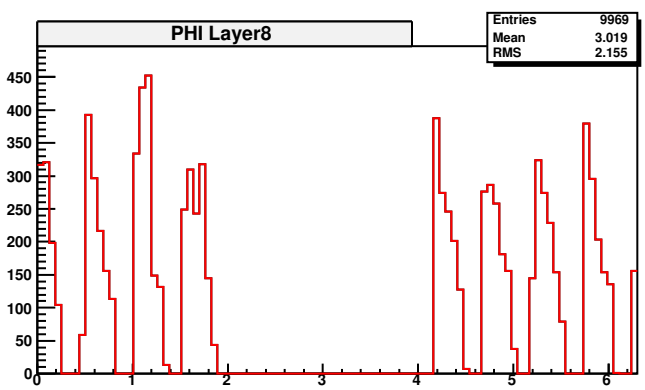




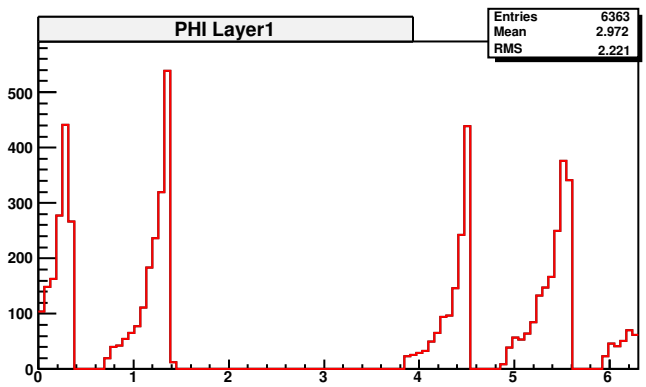


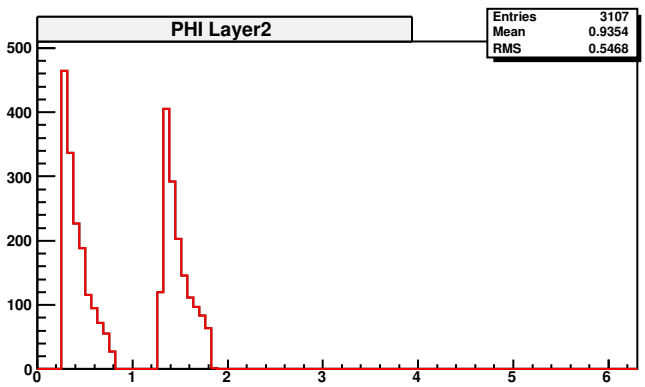


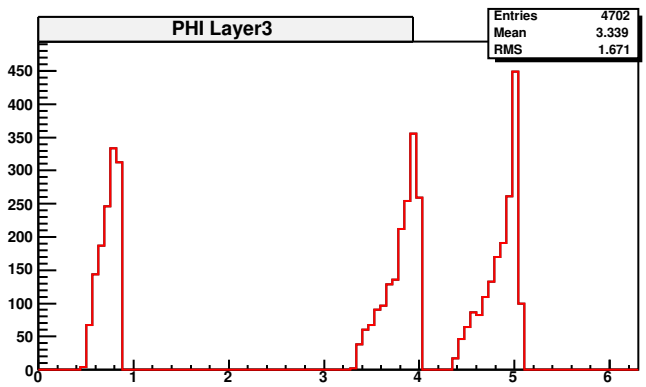


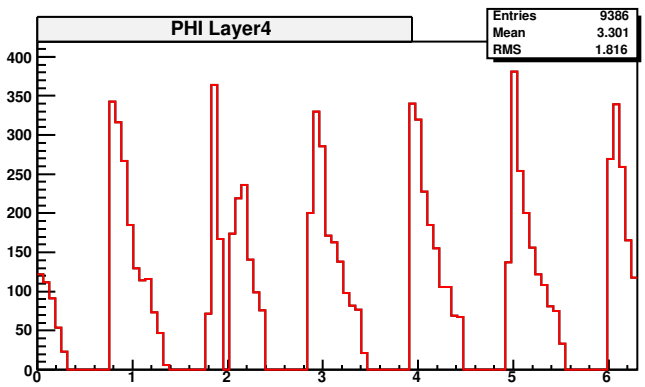


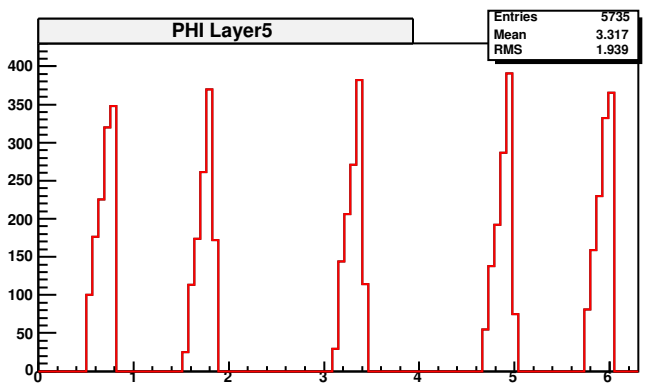
SmtClusters (ClustrBar4)

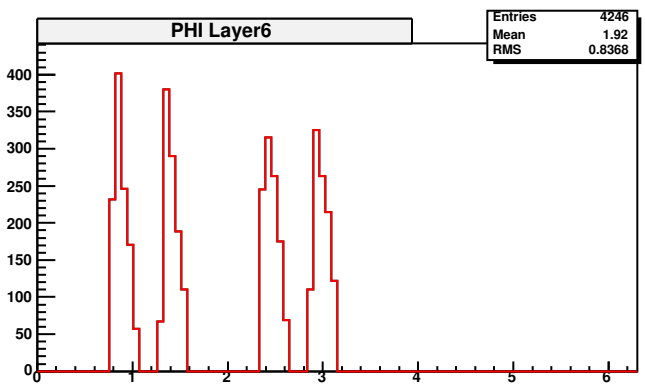


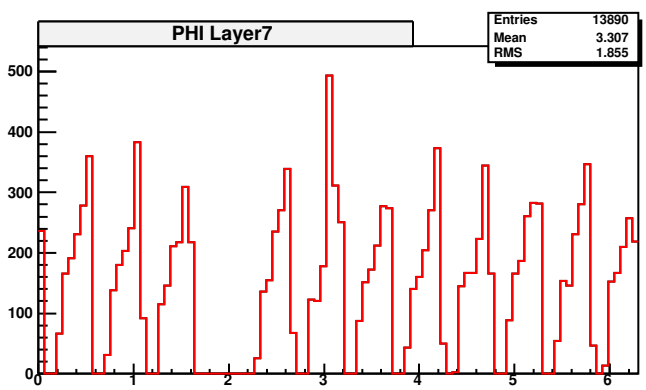


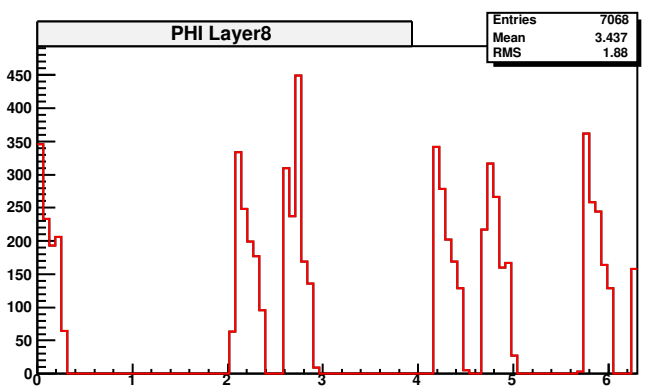




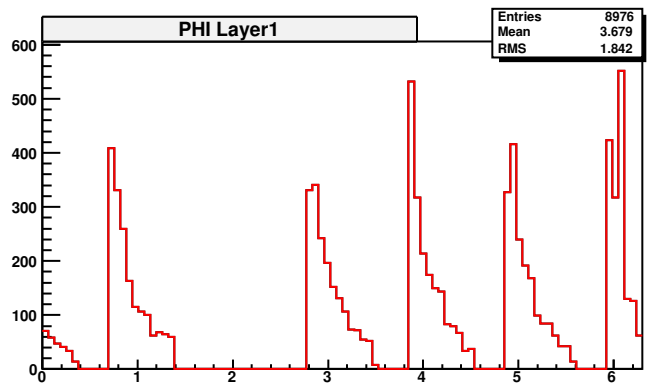


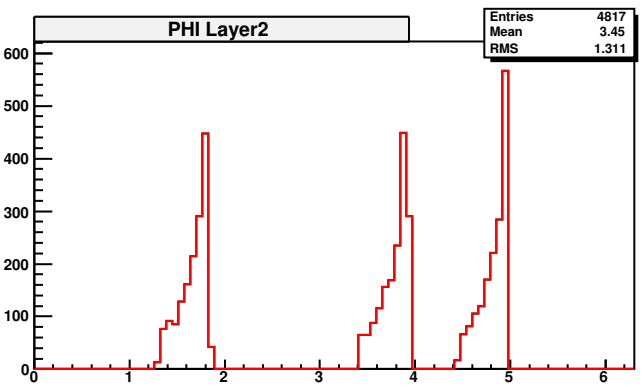


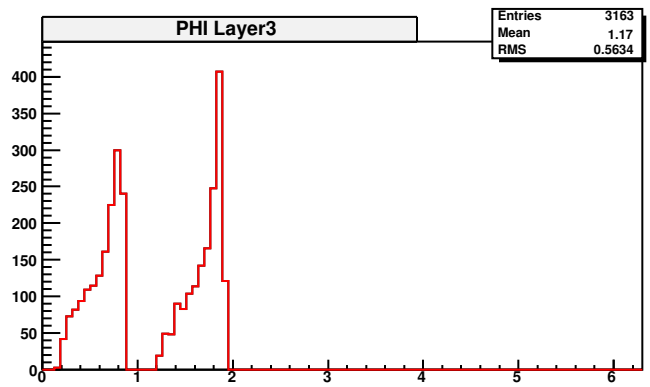


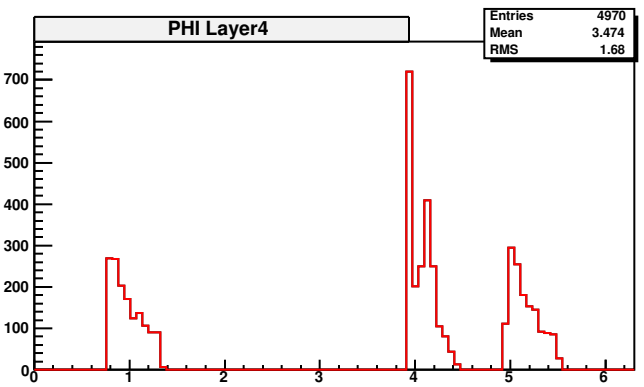


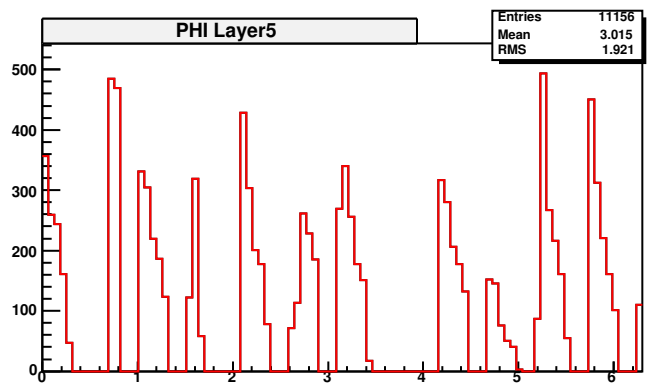
SmtClusters (ClustrBar5)

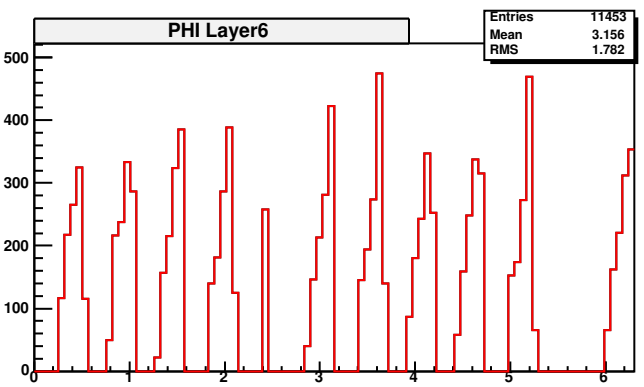


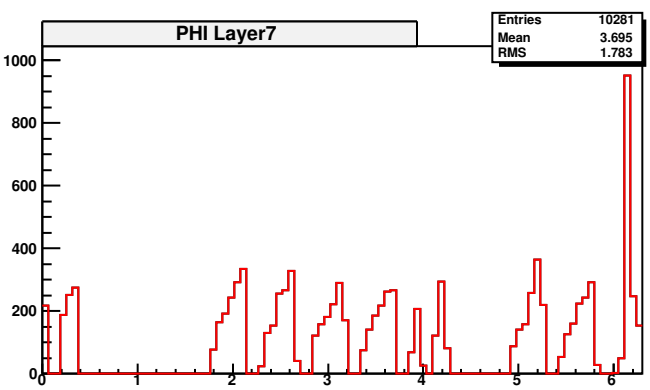


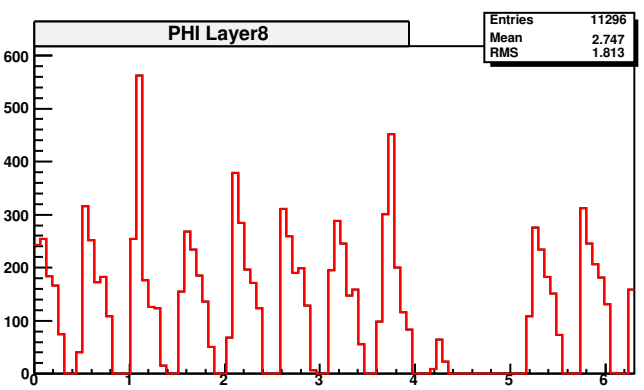




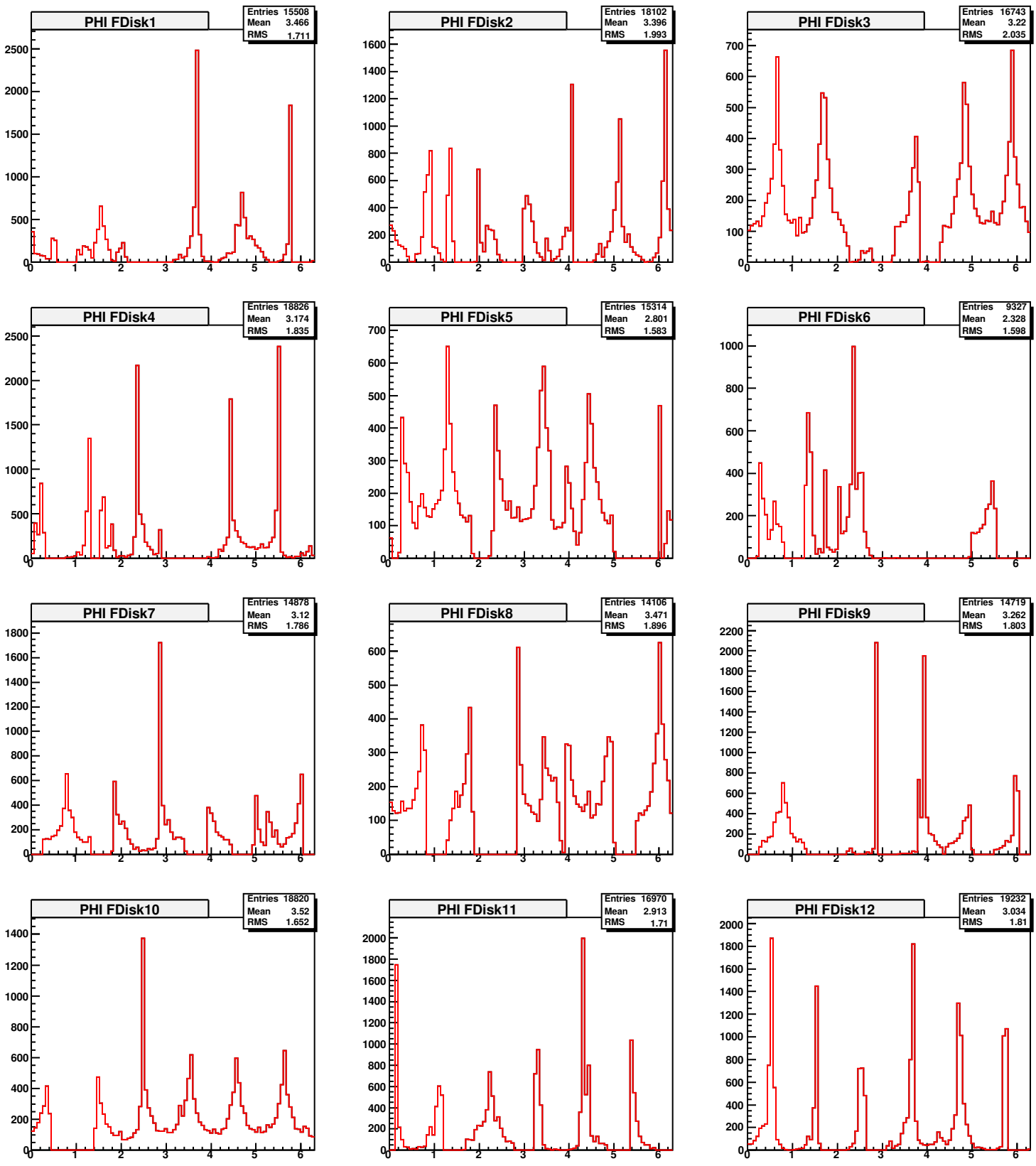




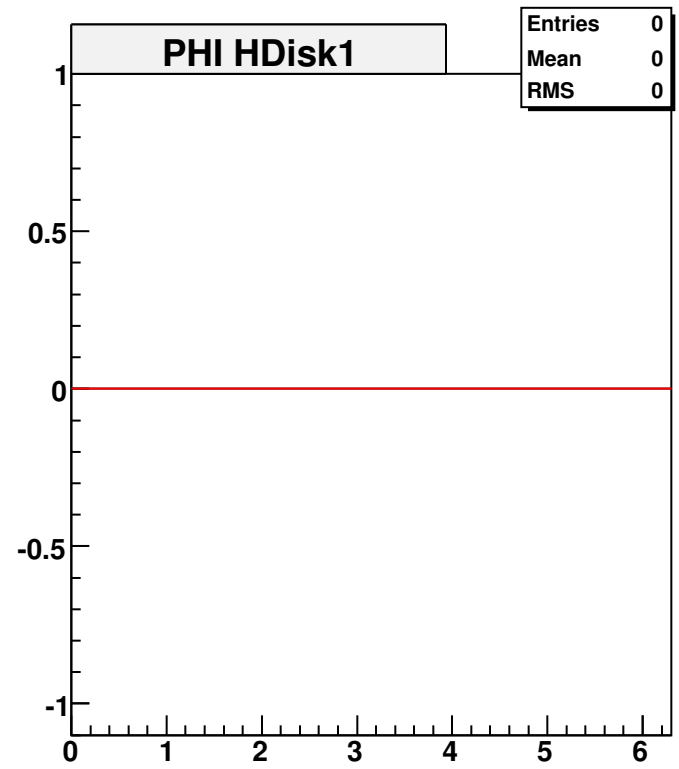


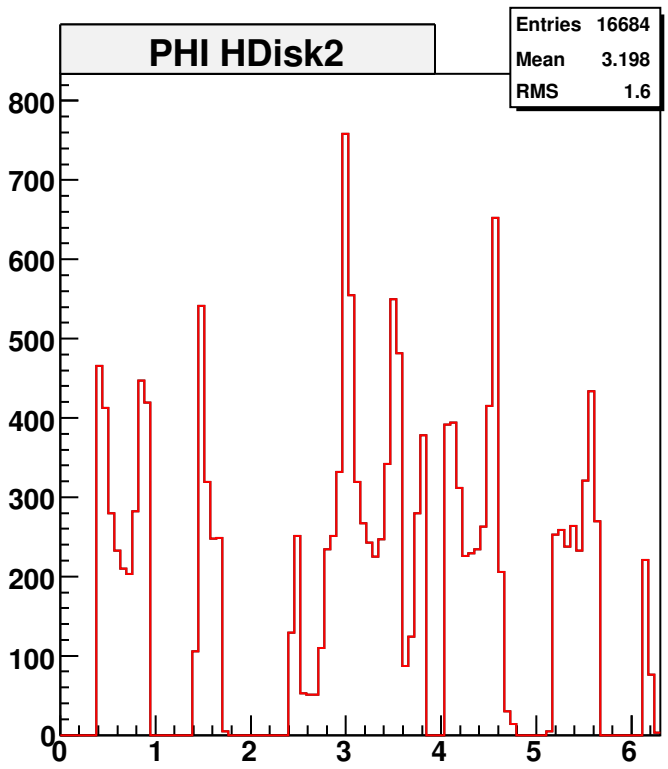


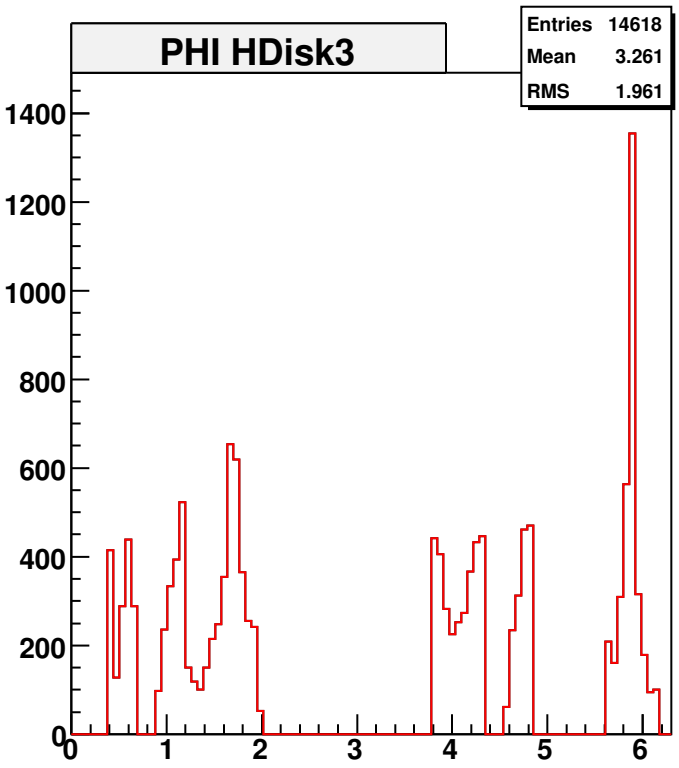
SmtClusters (ClustrBar6)

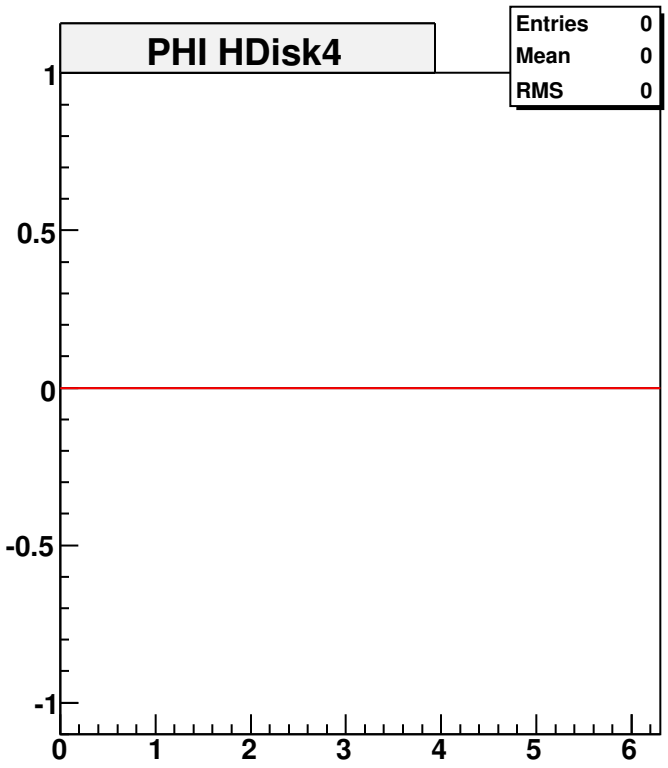


SmtClusters (FDiskClusters)

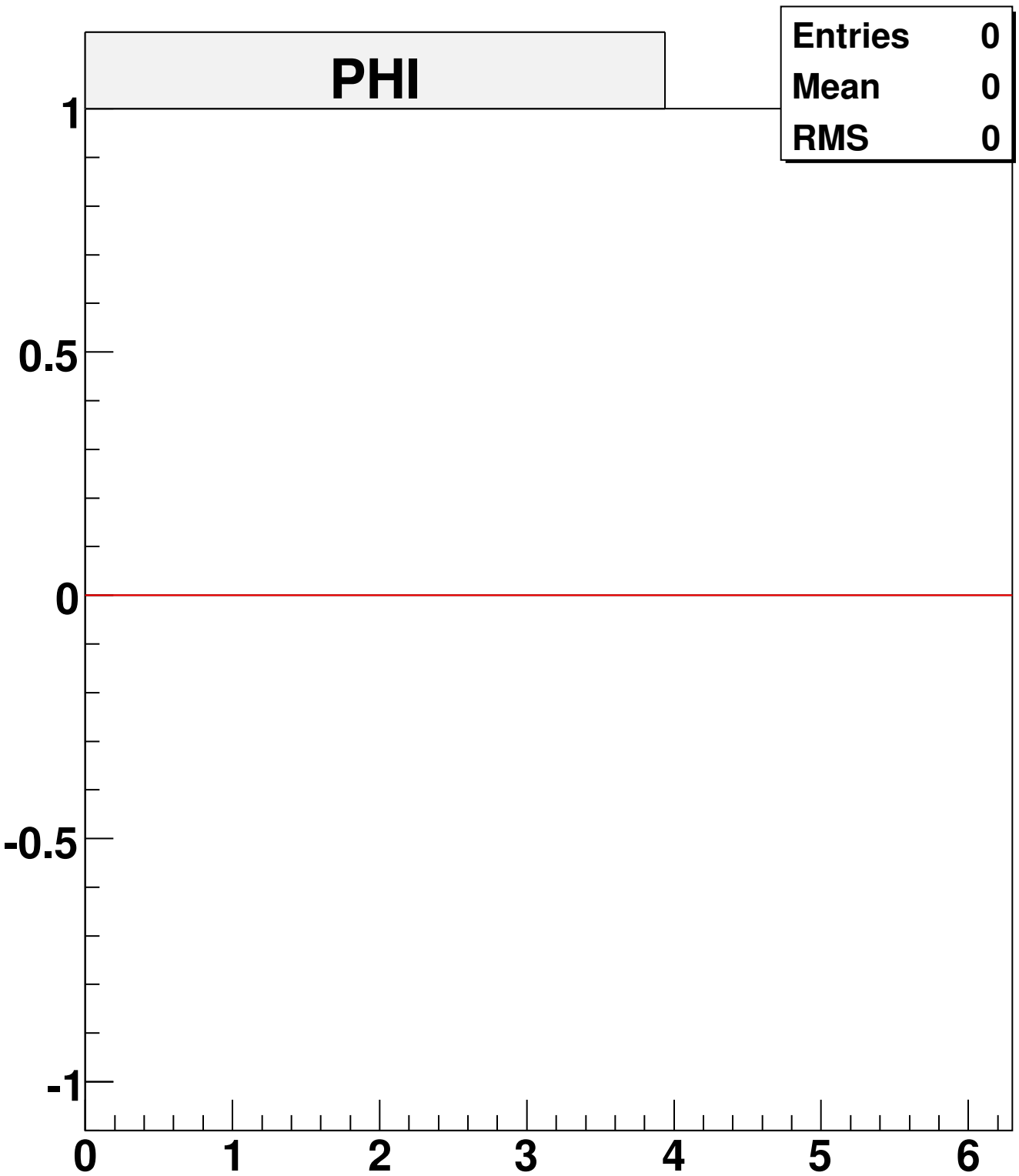


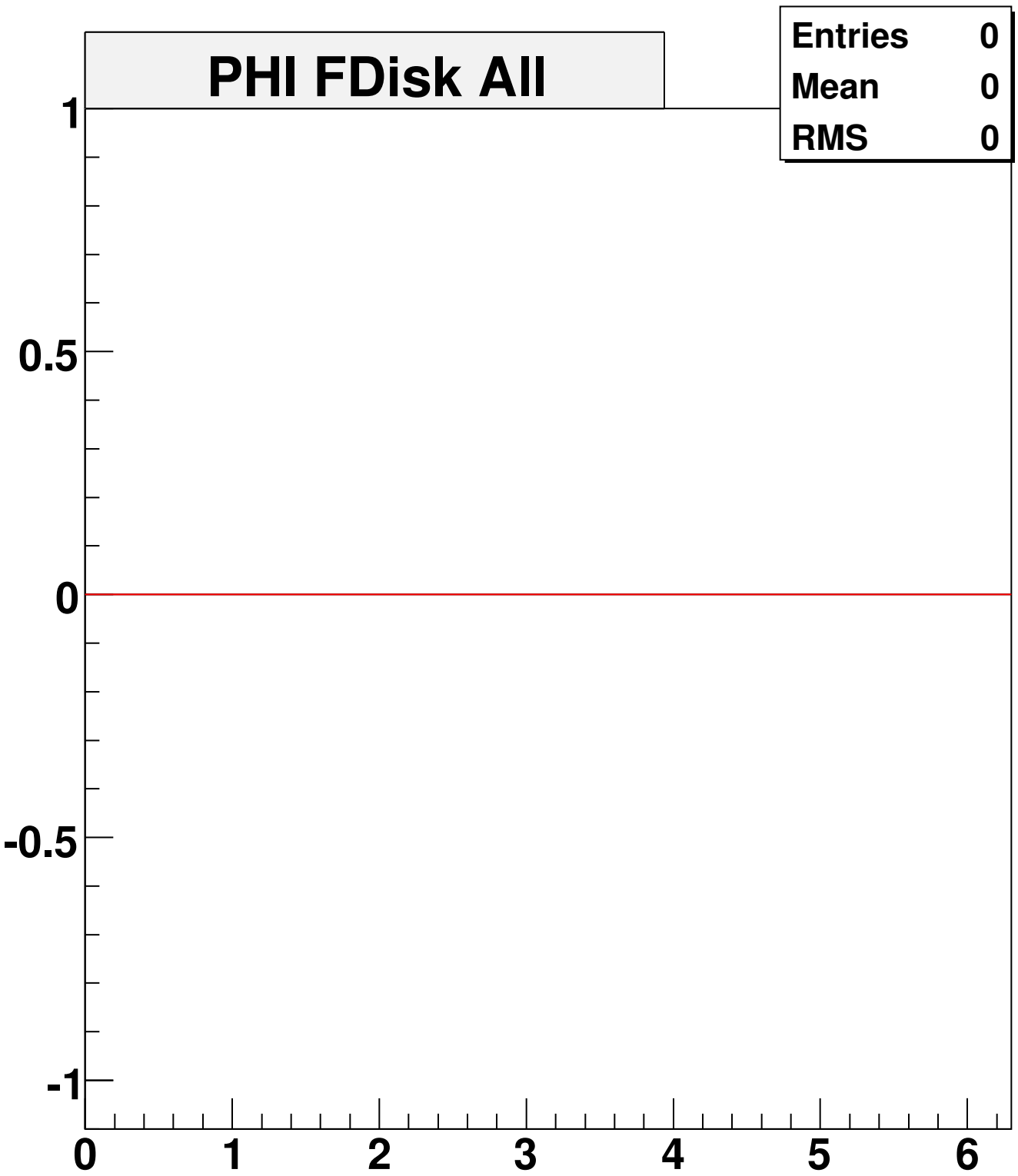






SmtClusters (HDiskClusters)


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


PHI FDisk All
Entries 0
Mean 0
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-1
0
1
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3
4
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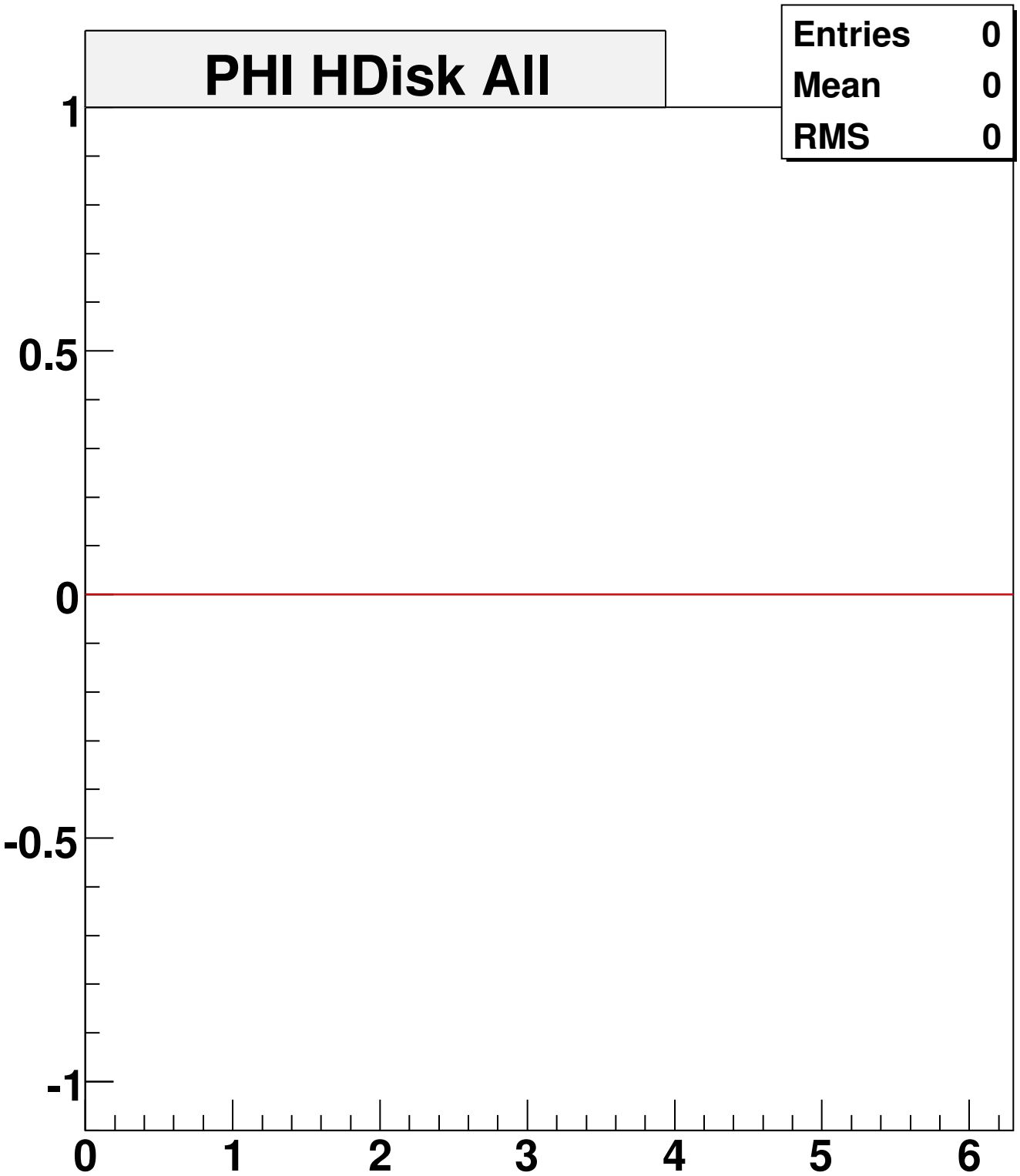
SmtClusters (allFDiskTClusters)


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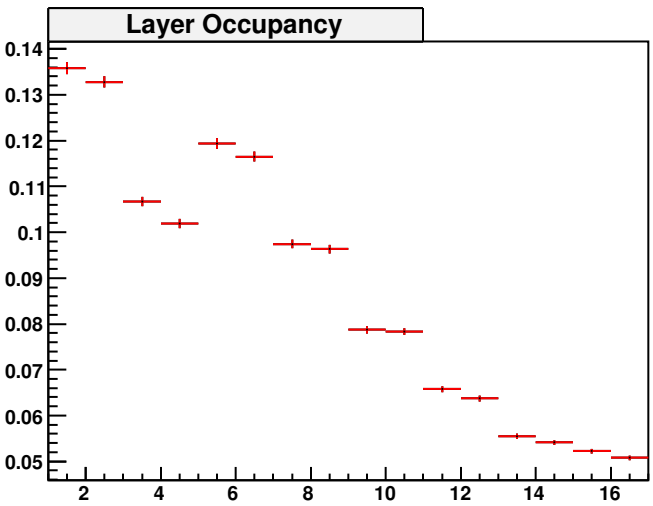
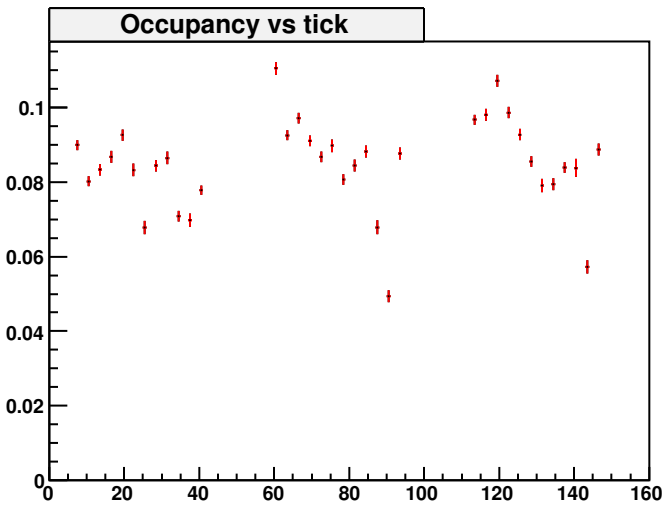
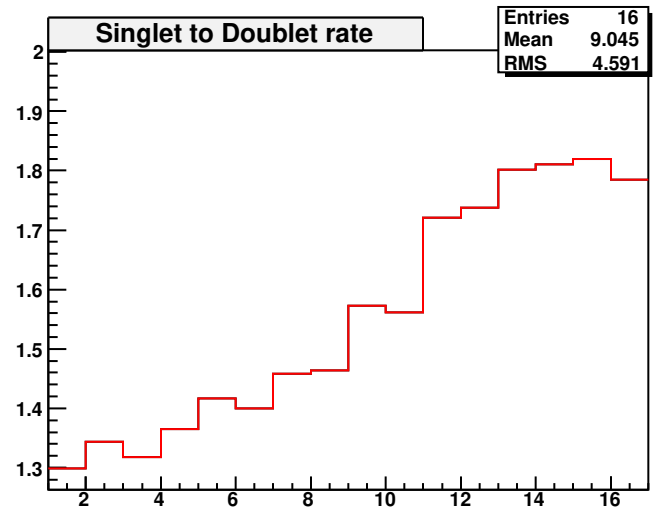
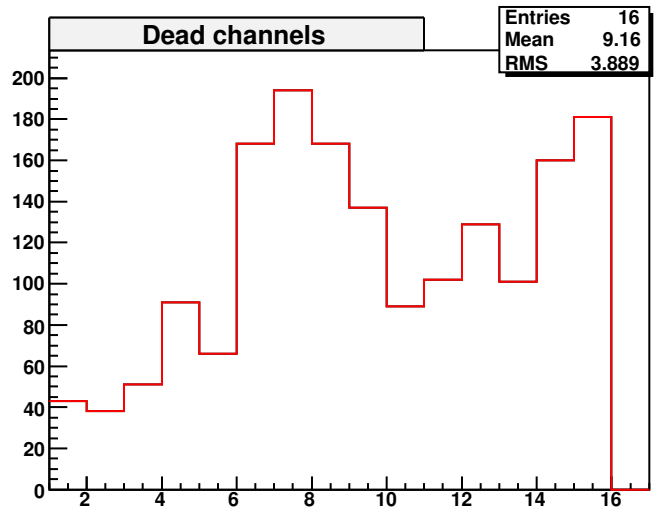
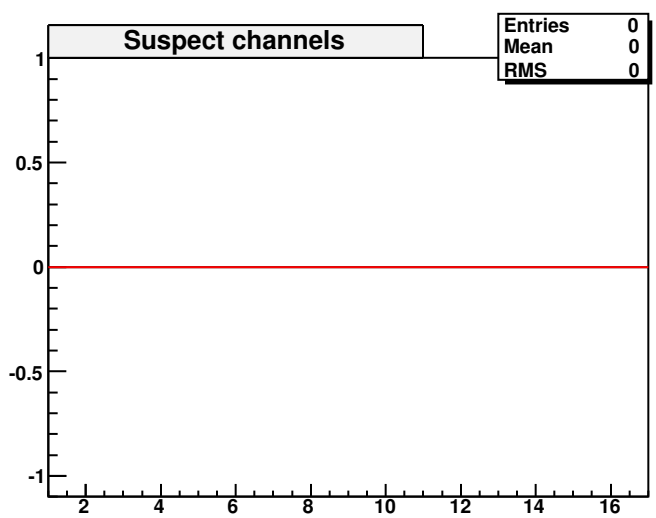
6
SmtClusters (allHDiskTClusters)

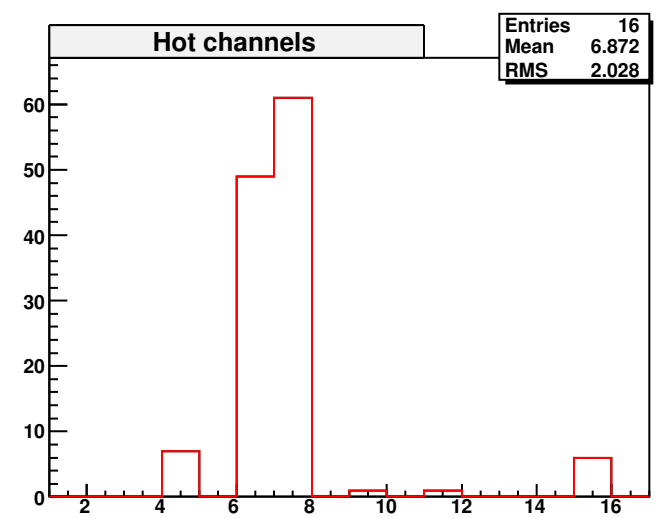




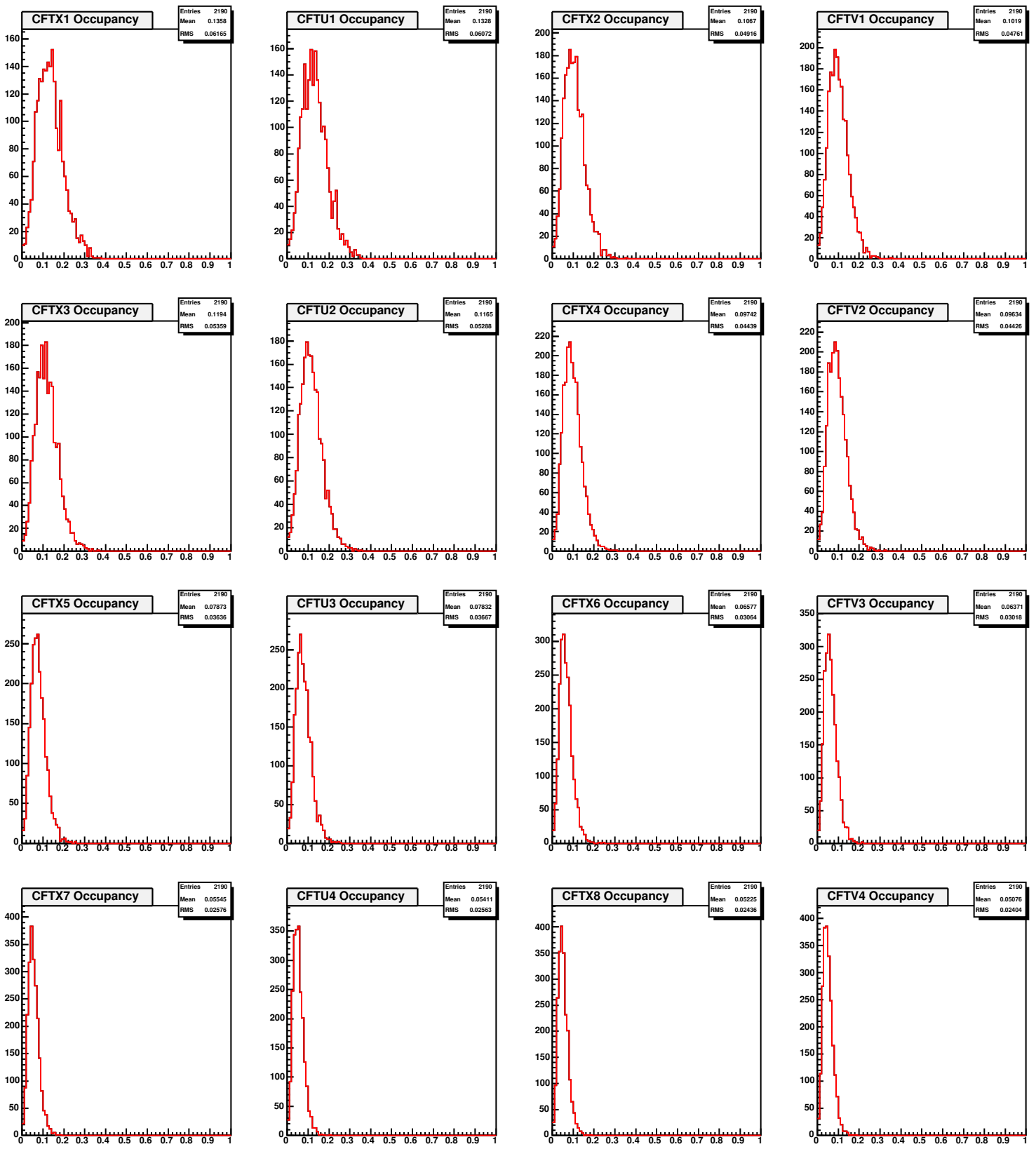




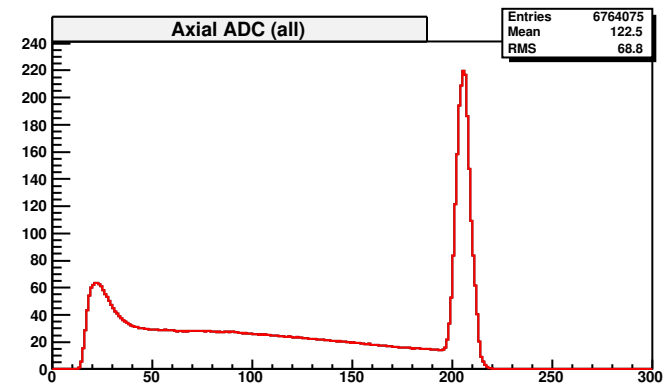


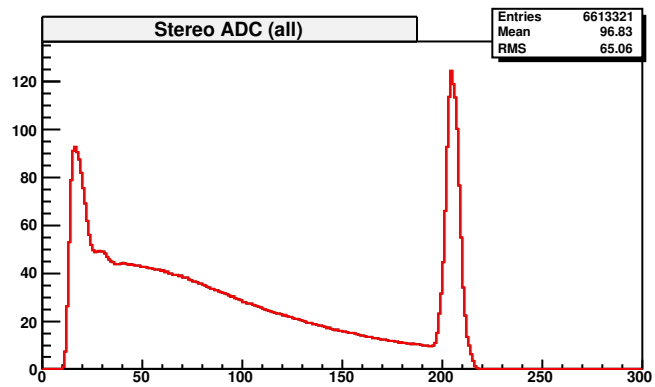


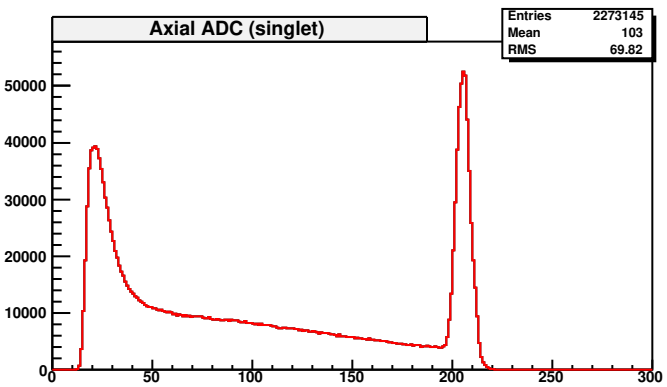
CFT Summary (All Clusters)

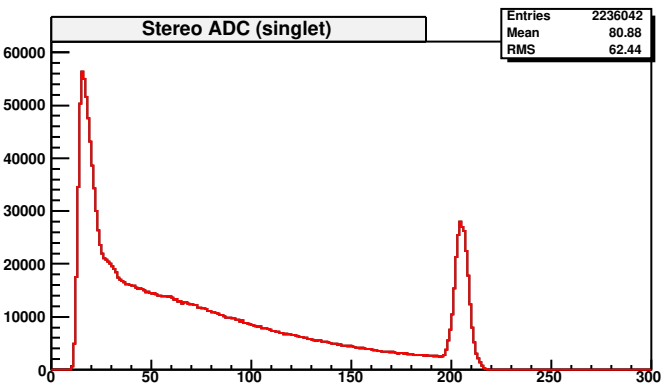


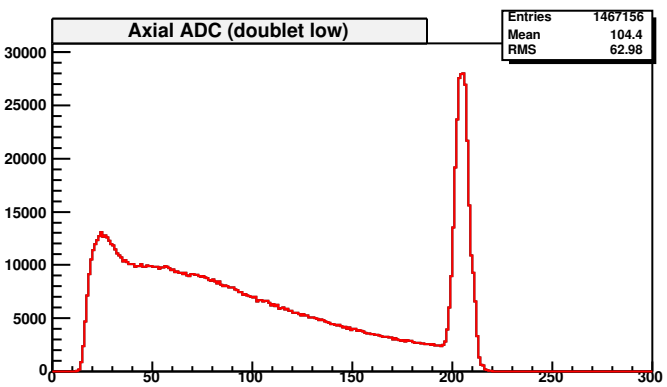
CFT Occupancy (All Clusters)

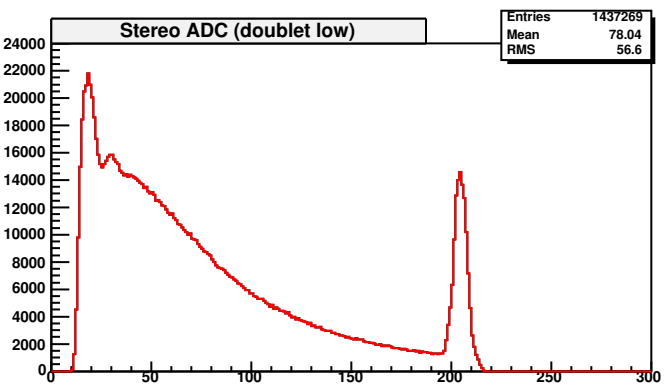


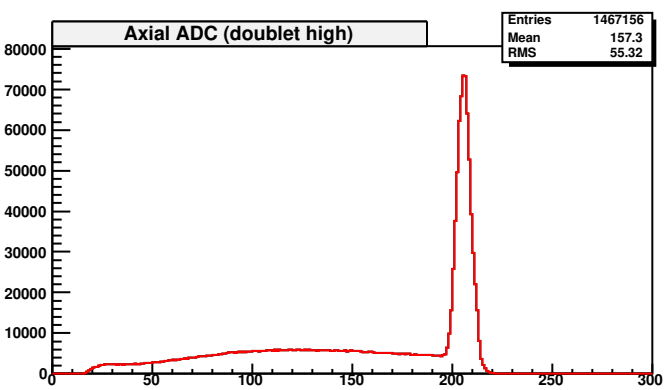


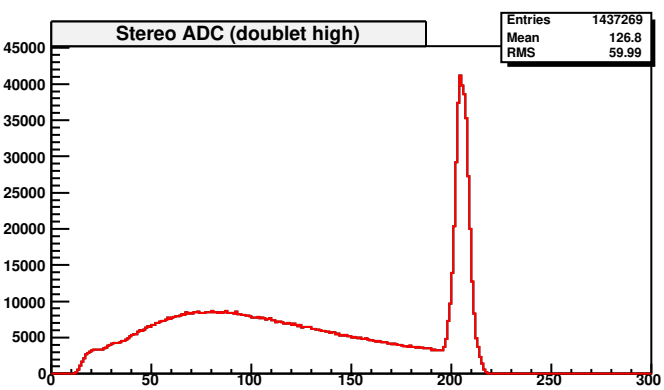




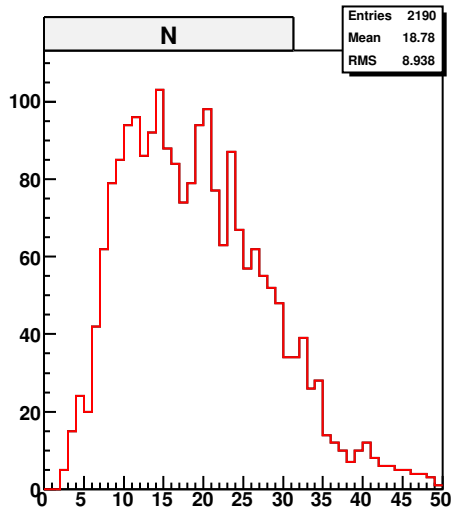


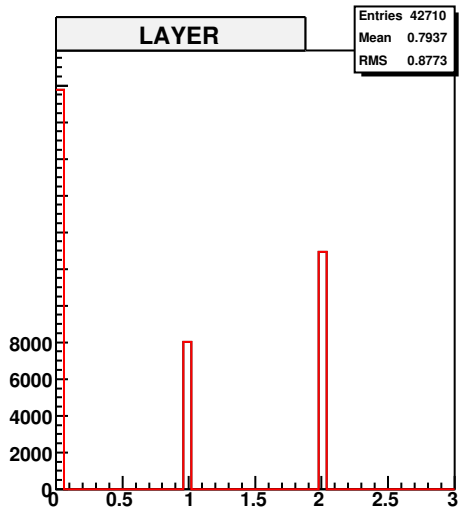


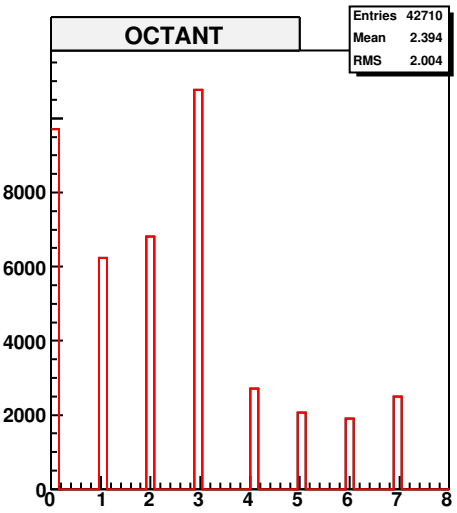


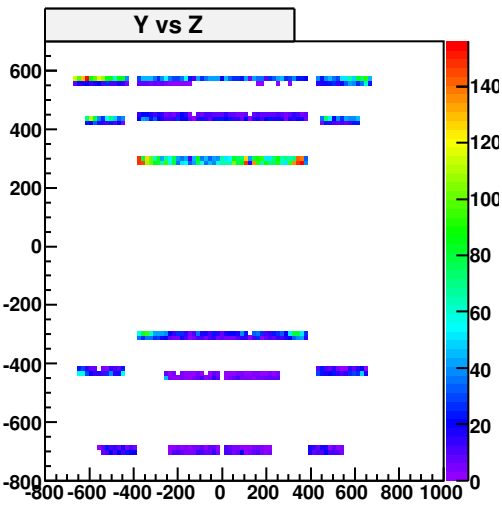


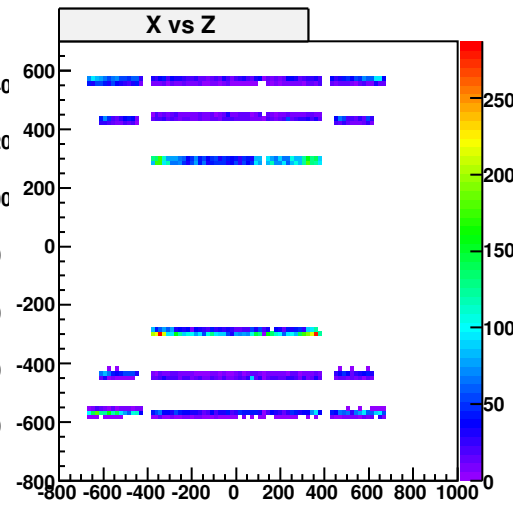
CFT ADC Summary (All Clusters)

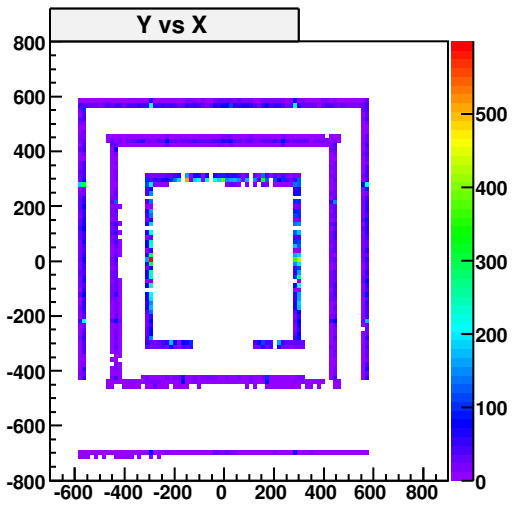

N
Entries 2190
Mean 18.78
RMS 8.938

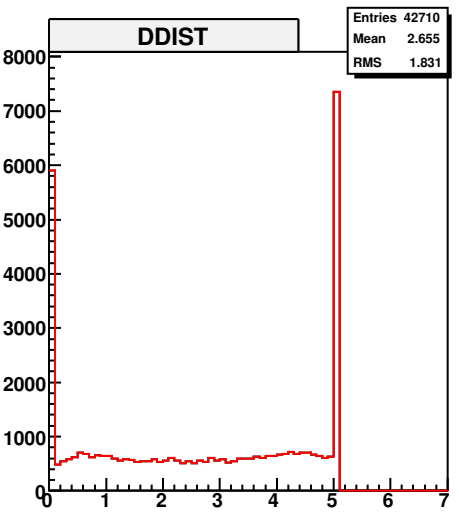

LAYER
Entries 42710
Mean 0.7937
RMS 0.8773

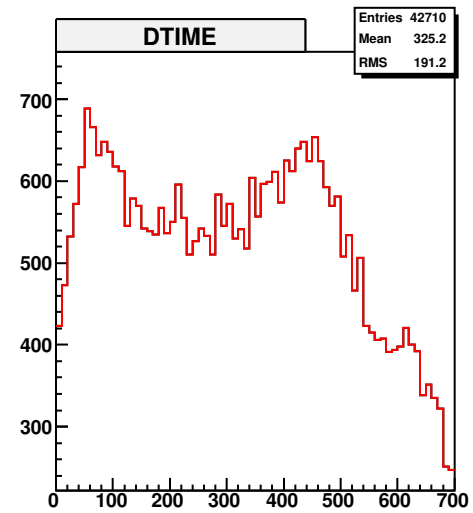

OCTANT
Entries 42710
Mean 2.394
RMS 2.004


Y vs Z

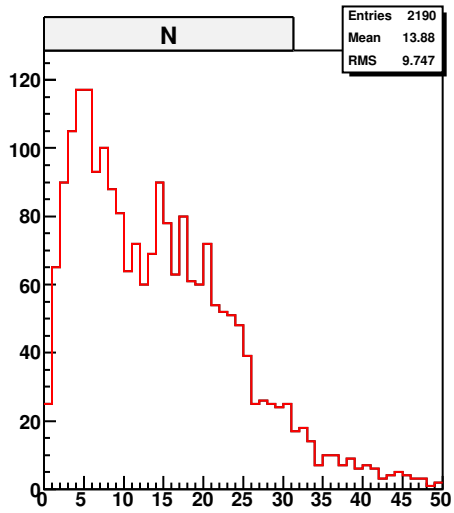

X vs Z

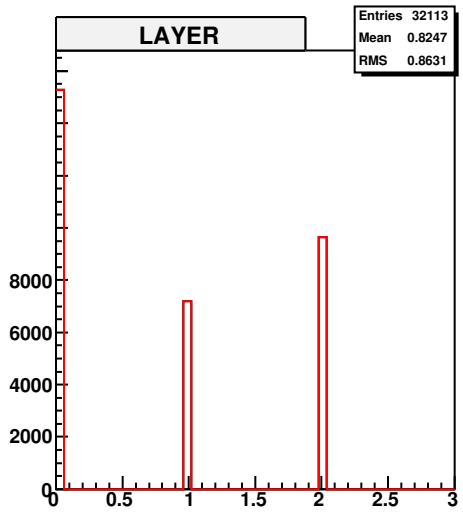

Y vs X

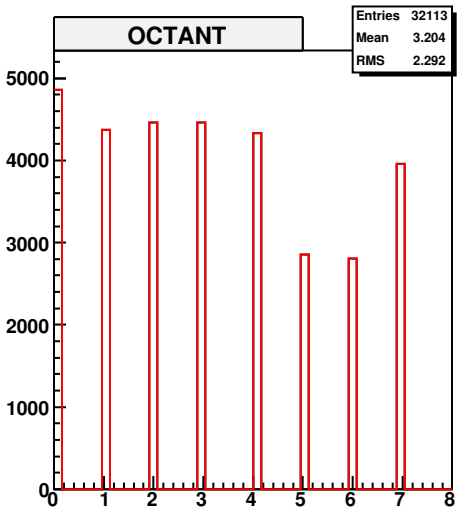

DDIST
Entries 42710
Mean 2.655
RMS 1.831

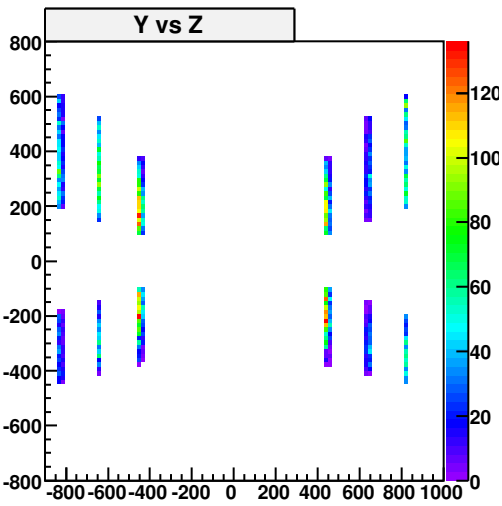

DTIME
Entries 42710
Mean 325.2
RMS 191.2

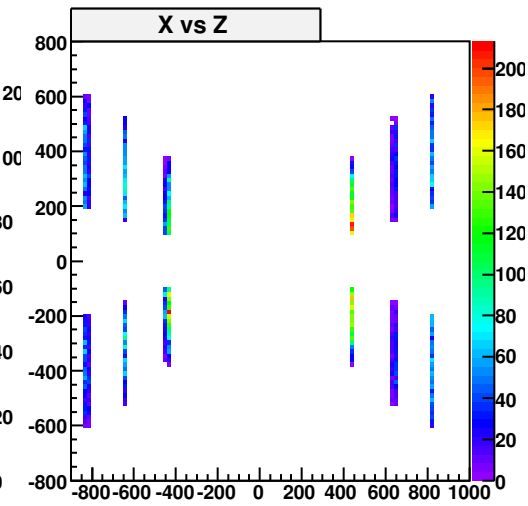
MuonPDT (All)

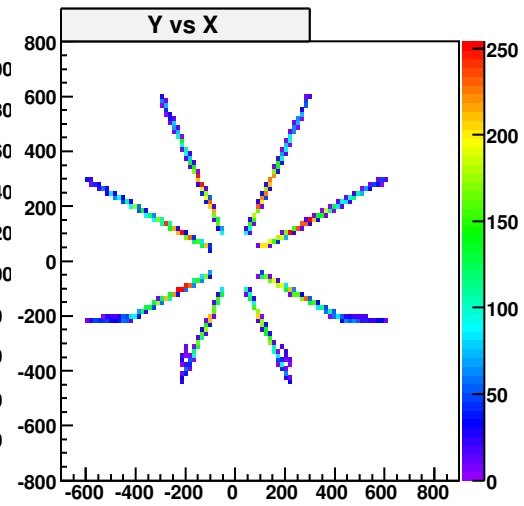

N
Entries 2190
Mean 13.88
RMS 9.747

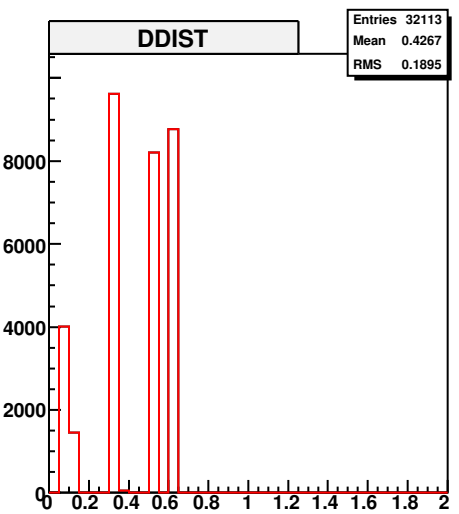

LAYER
Entries 32113
Mean 0.8247
RMS 0.8631

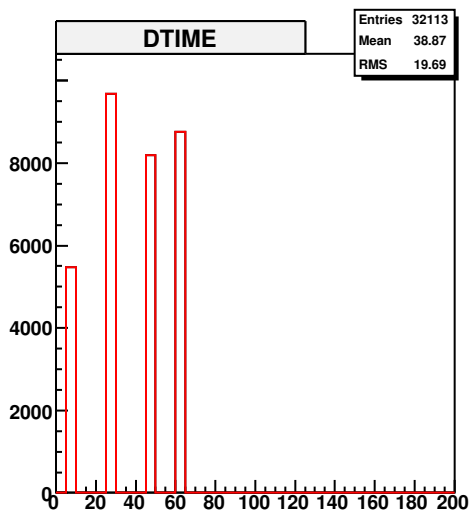

OCTANT
Entries 32113
Mean 3.204
RMS 2.292


Y vs Z

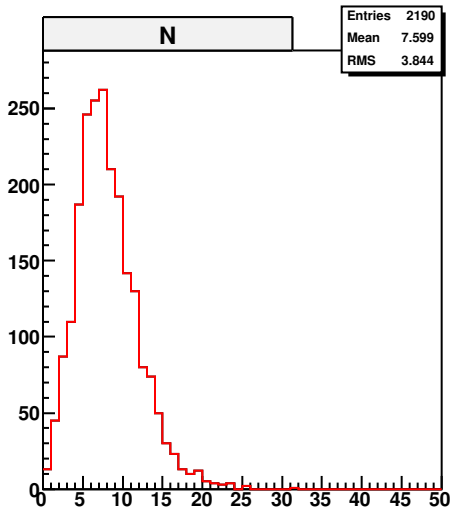

X vs Z

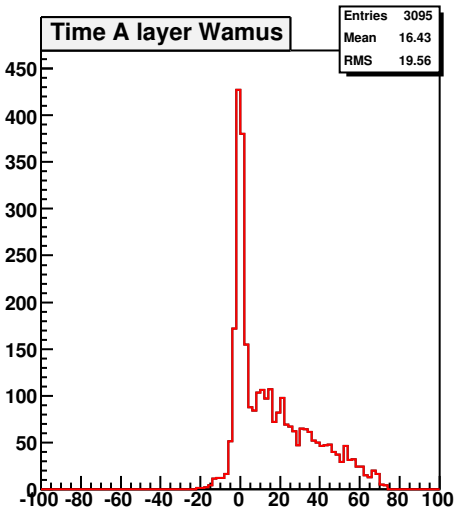

Y vs X

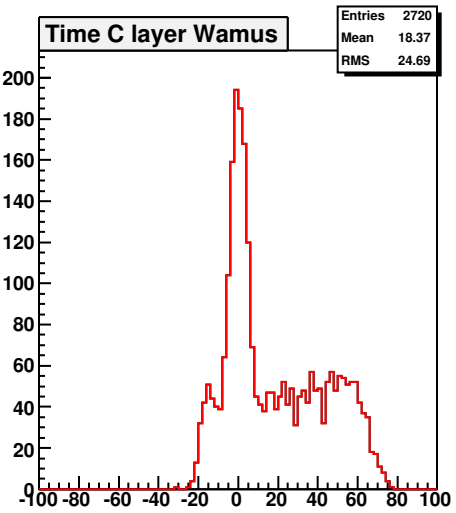

DDIST
Entries 32113
Mean 0.4267
RMS 0.1895

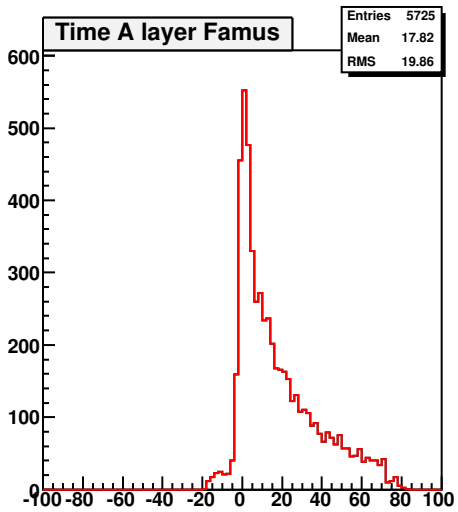

DTIME
Entries 32113
Mean 38.87
RMS 19.69

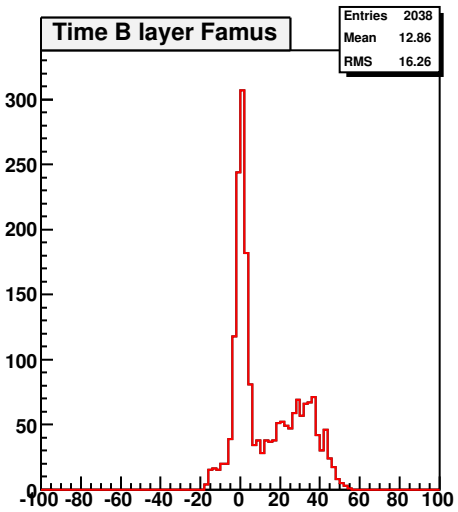
MuonMDT (All)

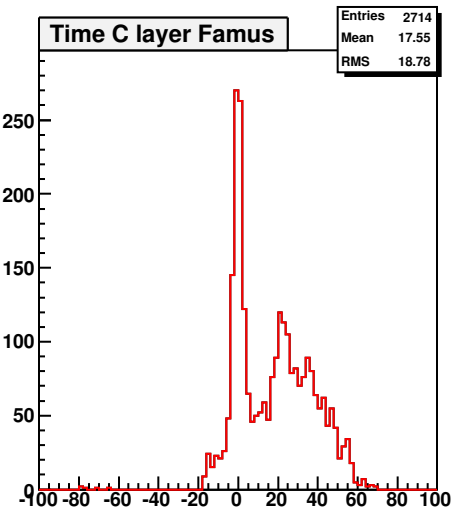

N
Entries 2190
Mean 7.599
RMS 3.844

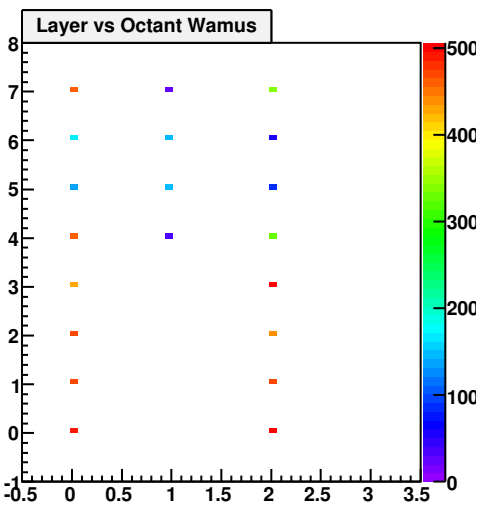

Time A layer Wamus
Entries 3095
Mean 16.43
RMS 19.56

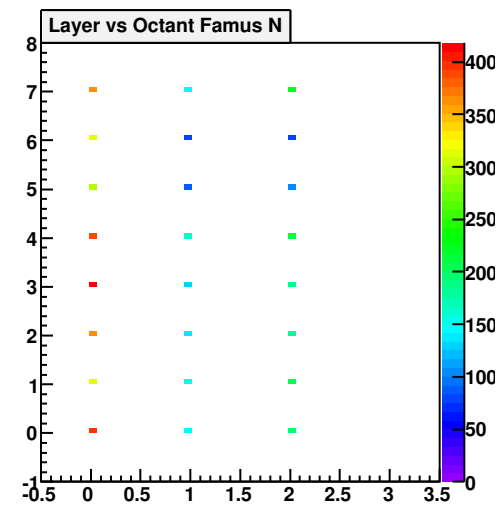

Time C layer Wamus
Entries 2720
Mean 18.37
RMS 24.69

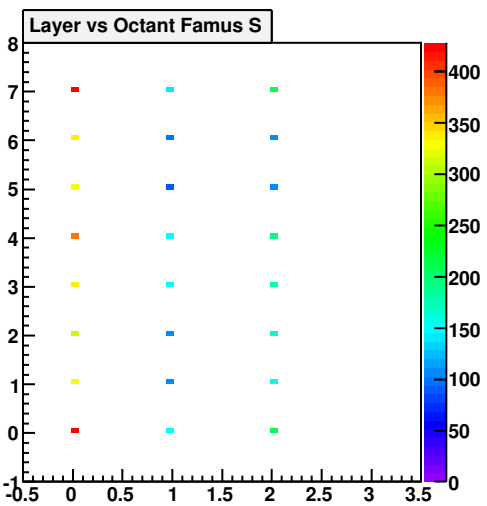

Time A layer Famus
Entries 5725
Mean 17.82
RMS 19.86


Time B layer Famus
Entries 2038
Mean 12.86
RMS 16.26

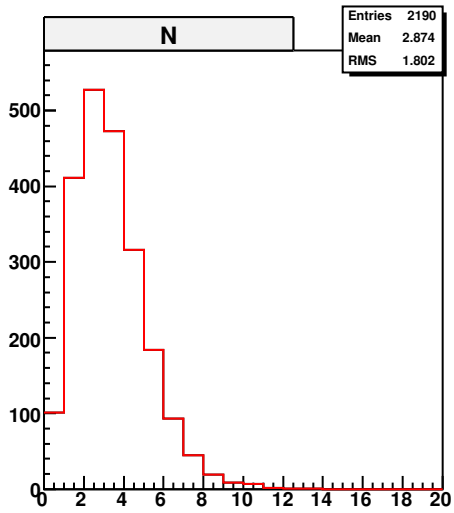

Time C layer Famus
Entries 2714
Mean 17.55
RMS 18.78

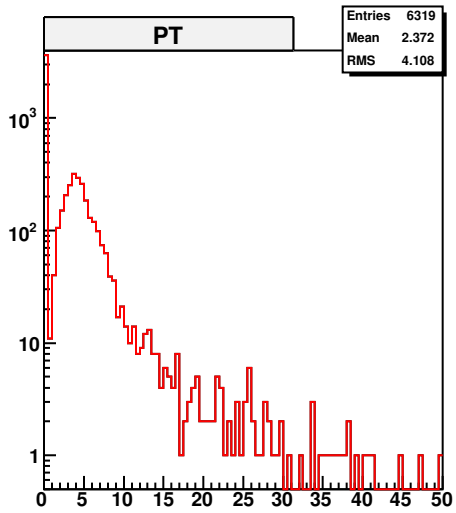

Layer vs Octant Wamus

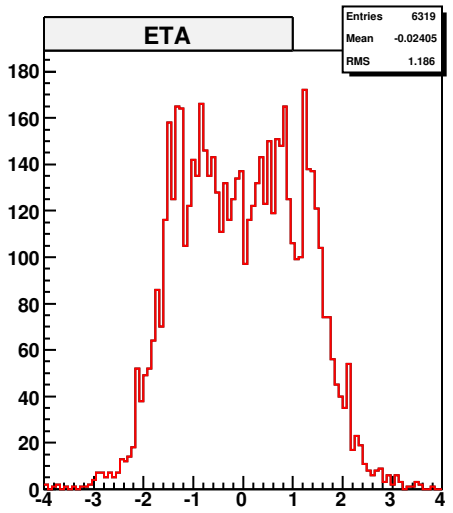

Layer vs Octant Famus N

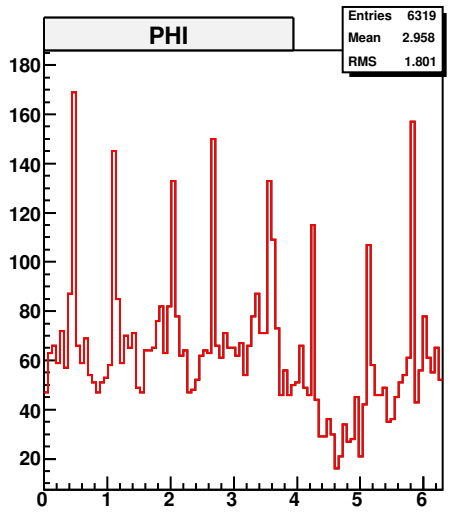

Layer vs Octant Famus S

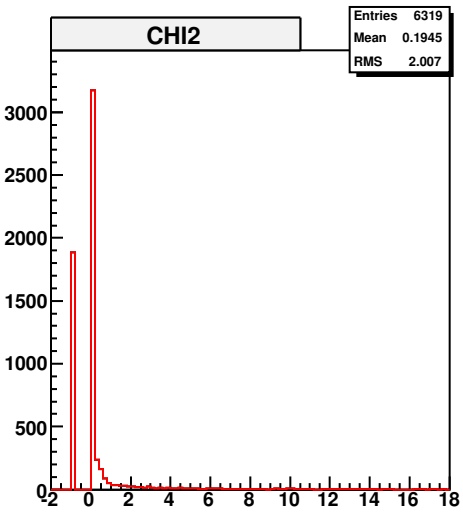
MuonMSC (All)

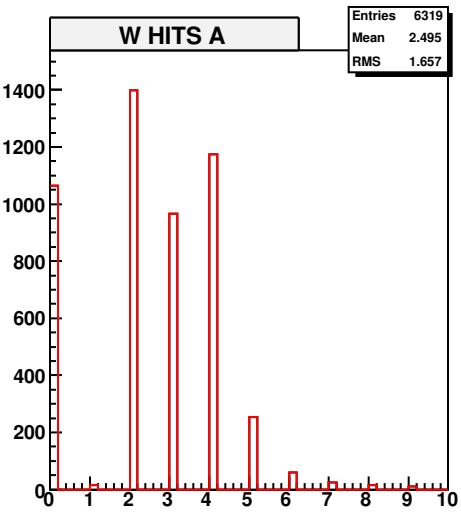


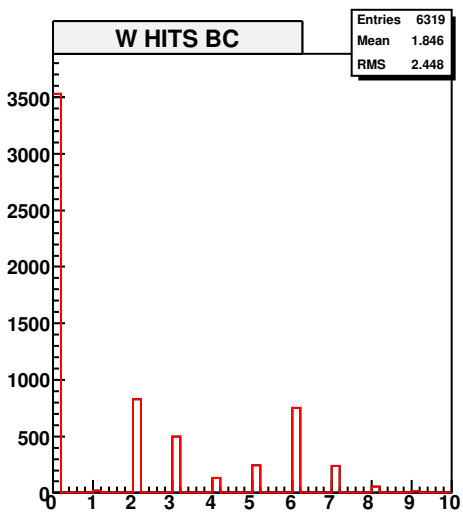


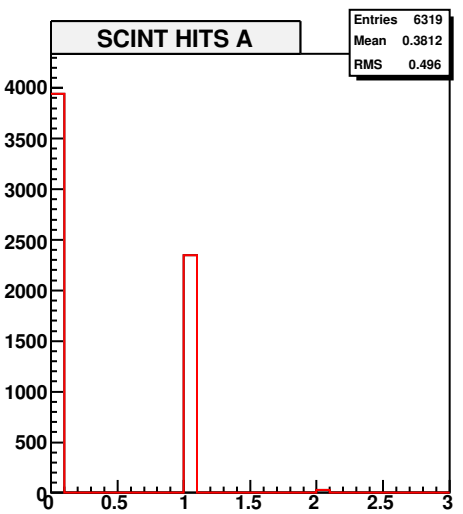


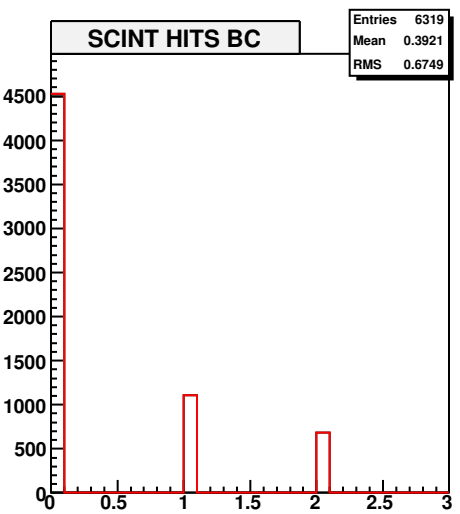




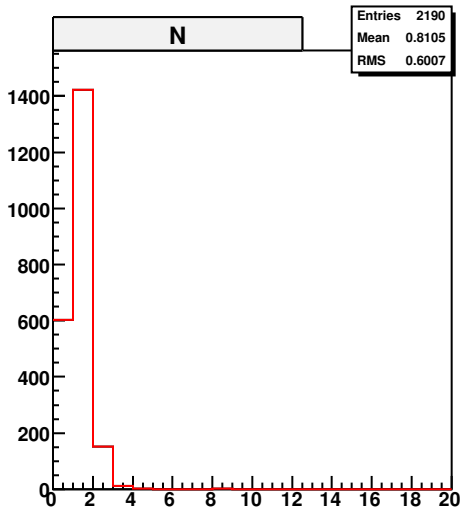


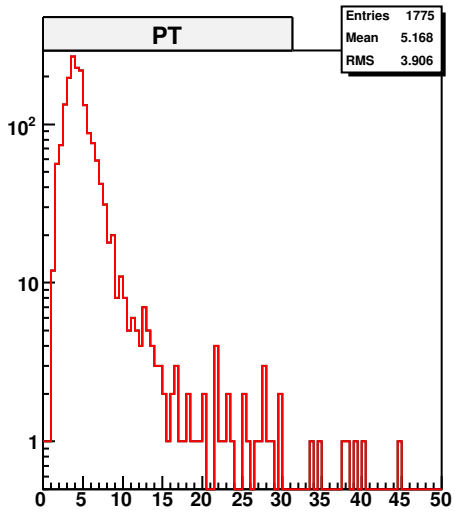


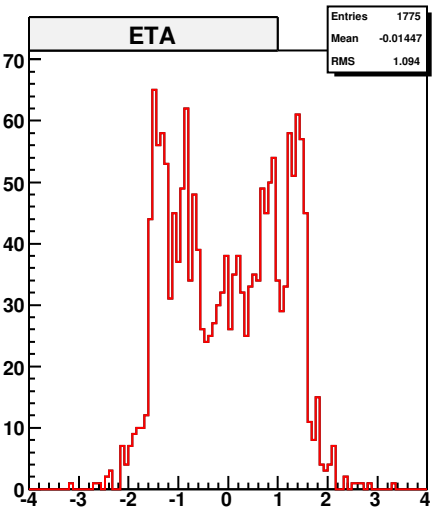


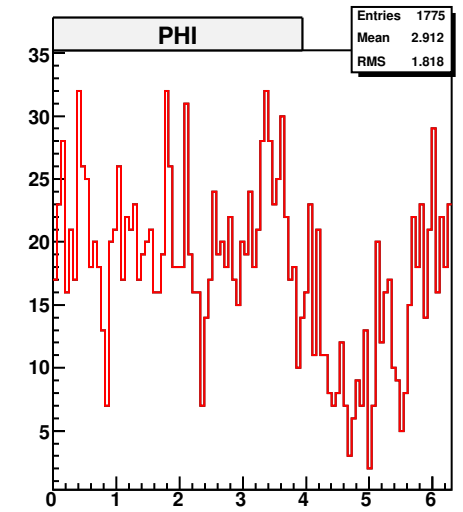


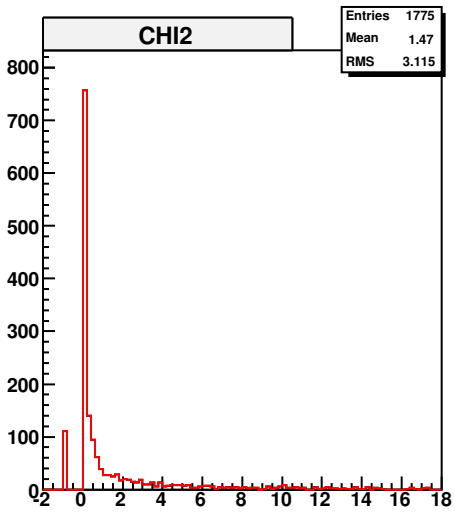
Muon Local Tracks (All)

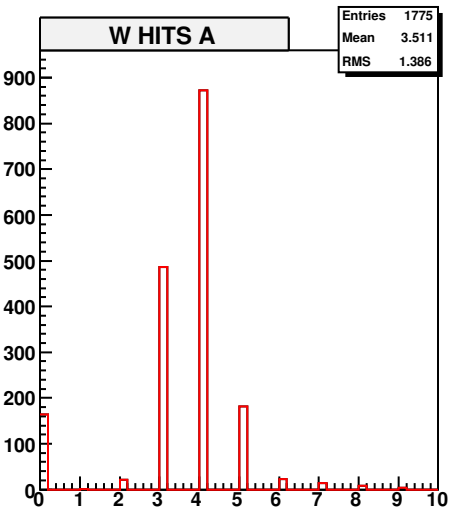


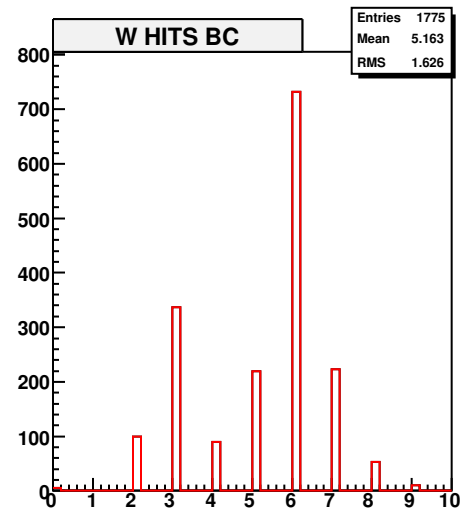


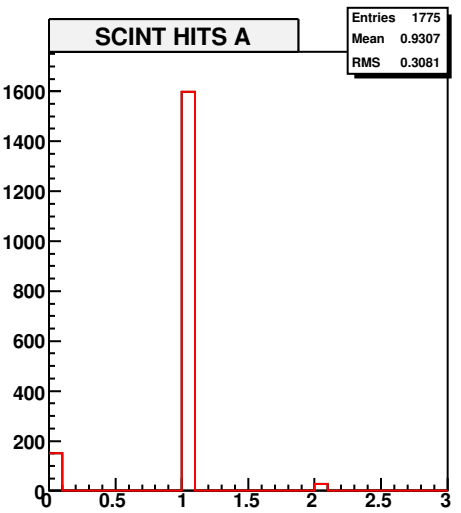


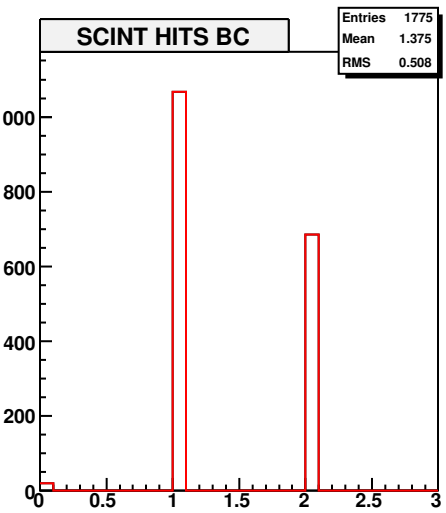




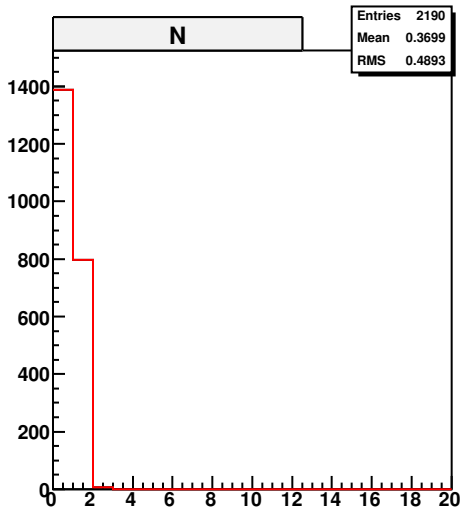


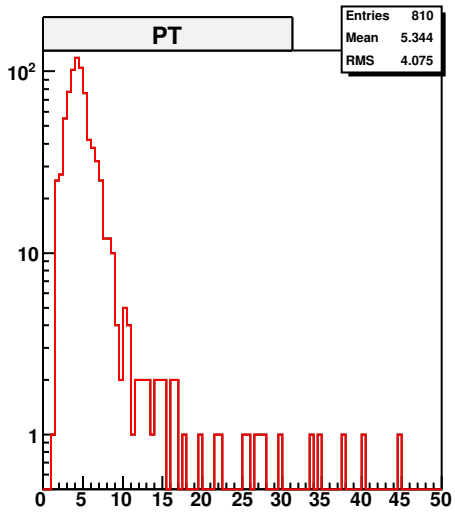


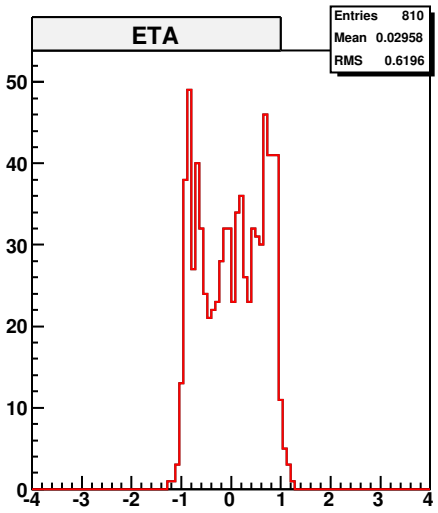


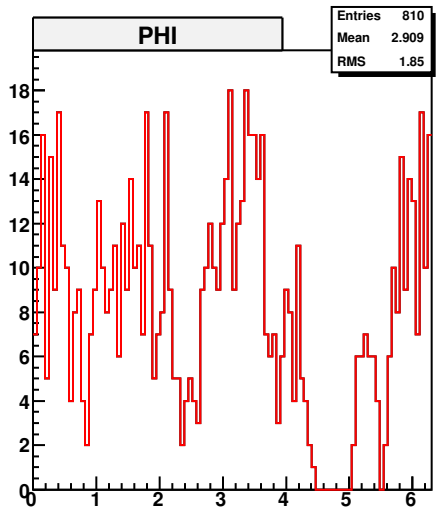


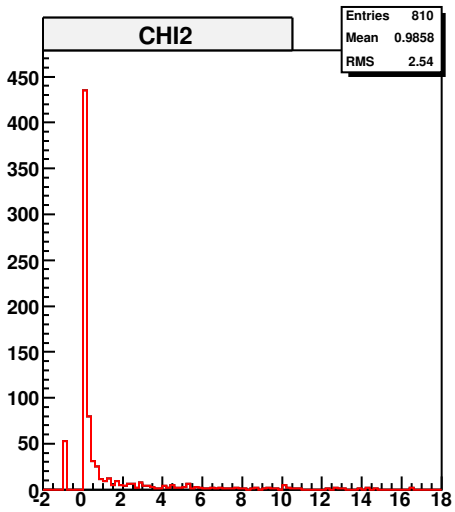
Muon Local Tracks (LooseWamus)

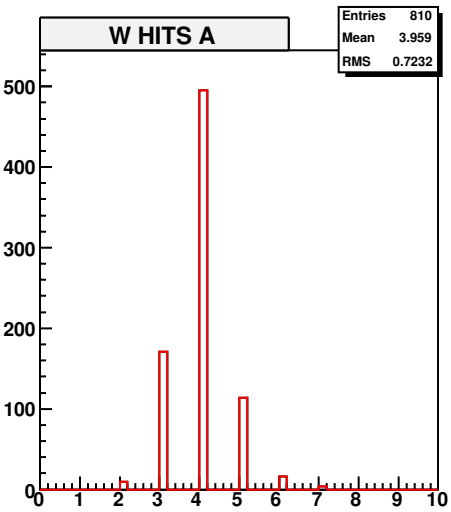


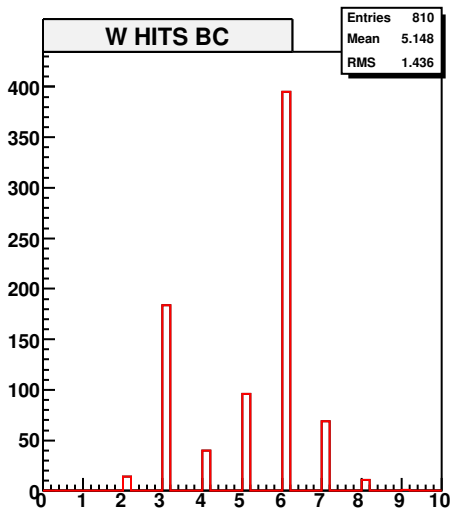


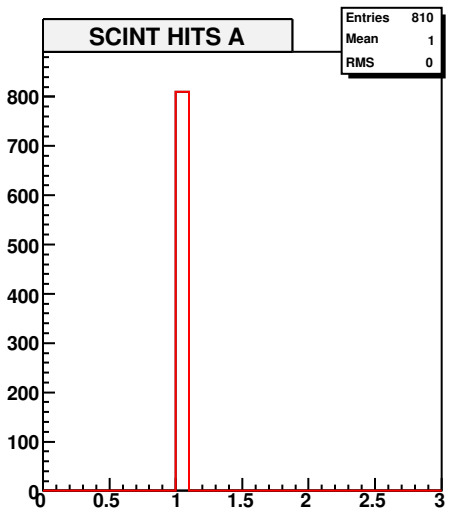


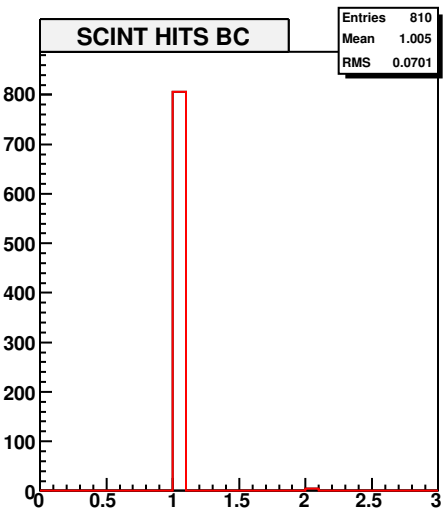




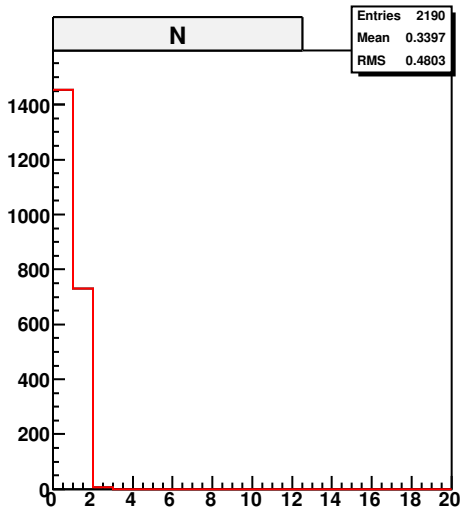


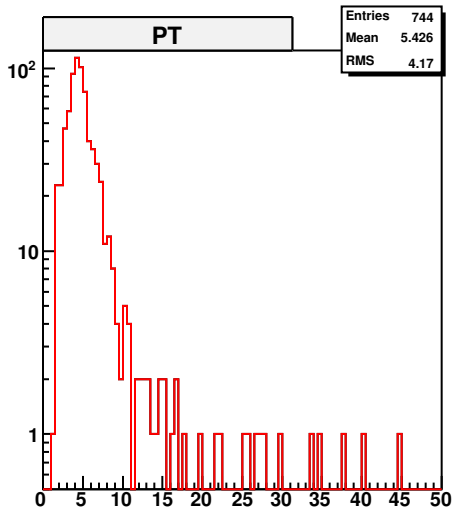


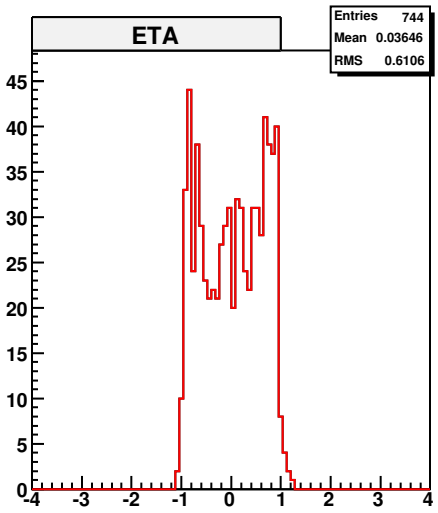


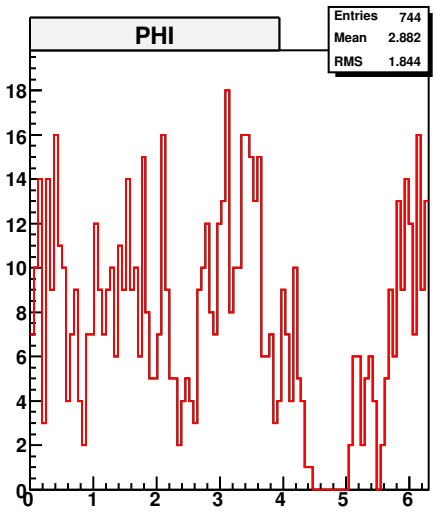


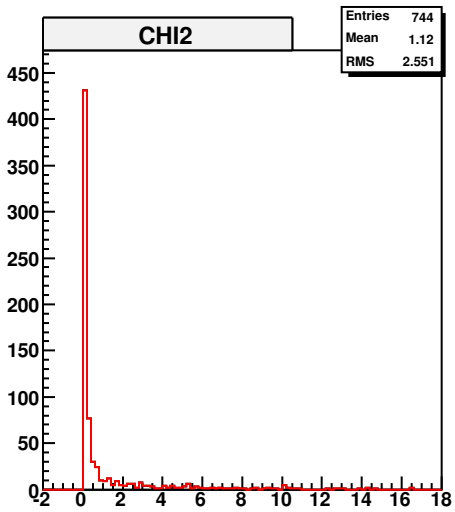
Muon Local Tracks (MediumWamus)

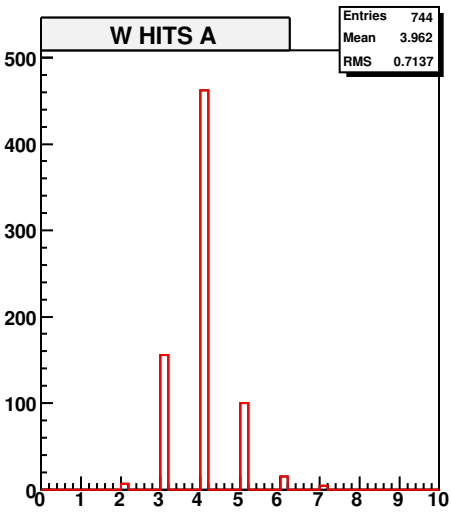


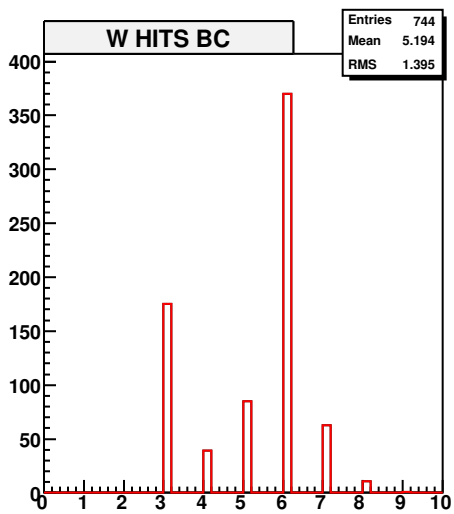


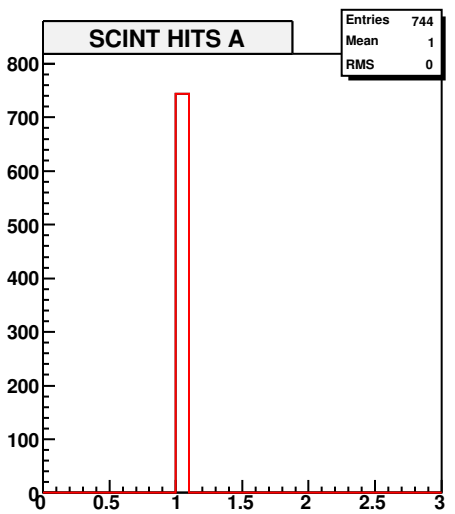


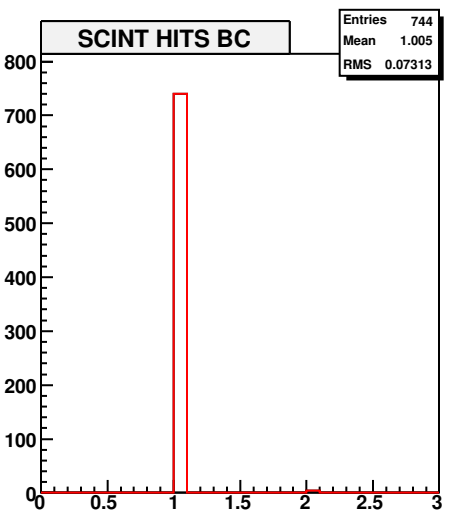




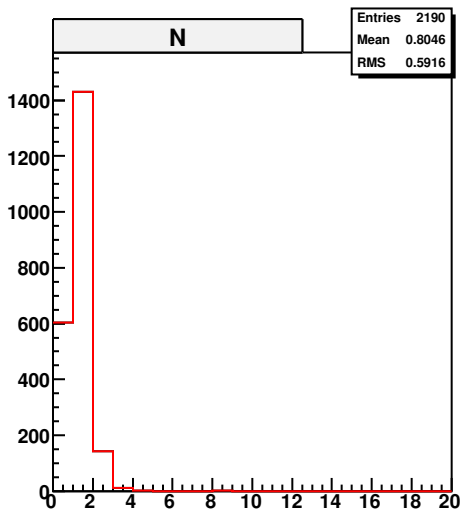


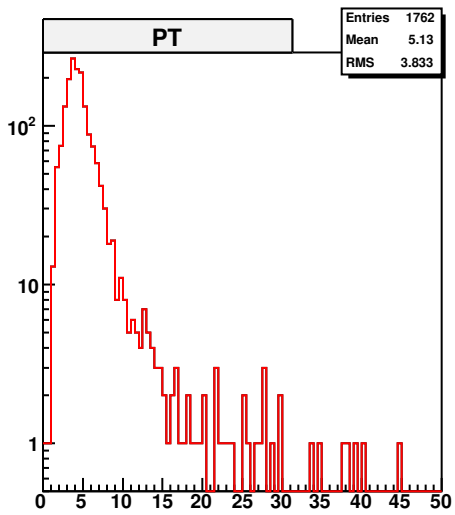


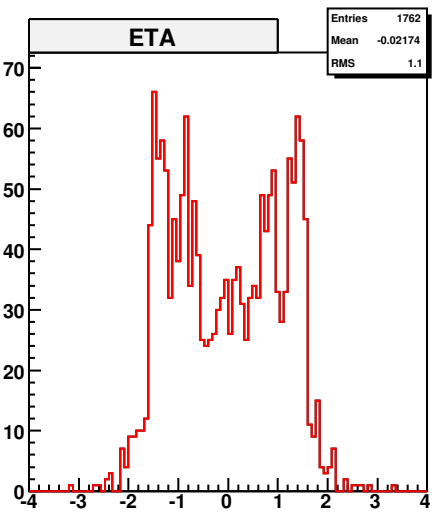


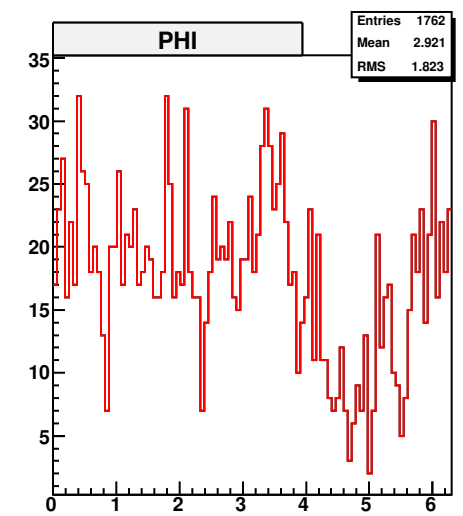


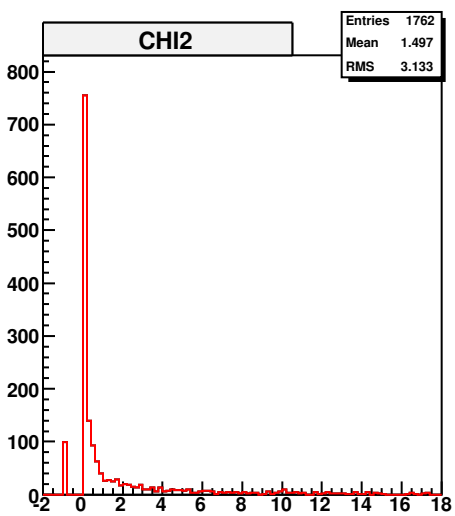
Muon Local Tracks (TightWamus)

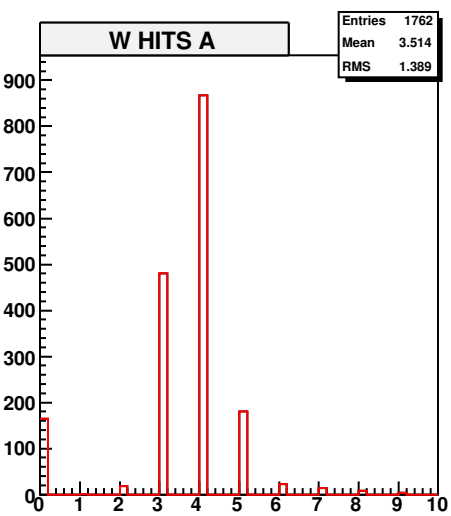


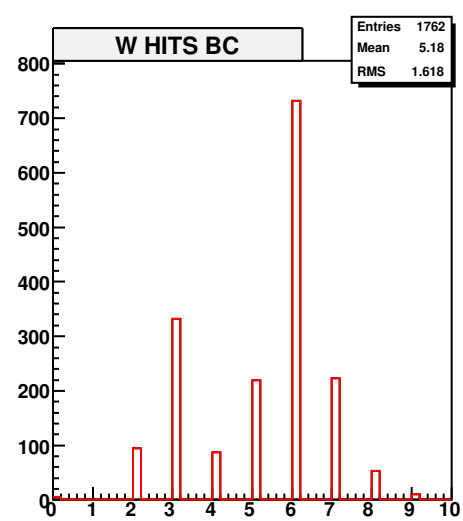


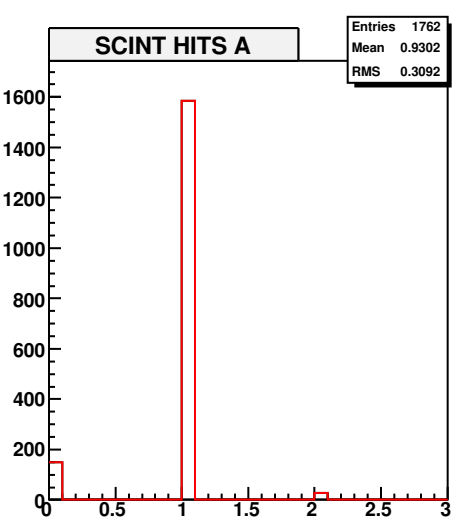


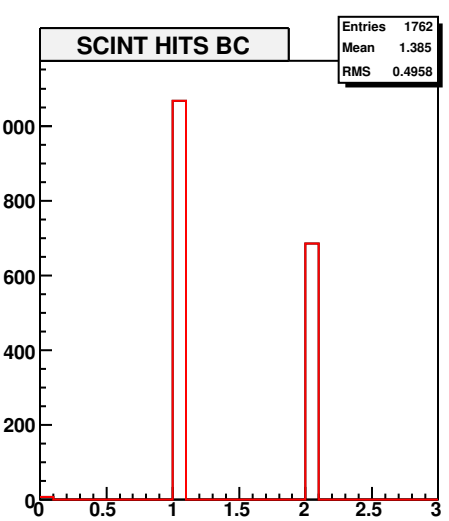




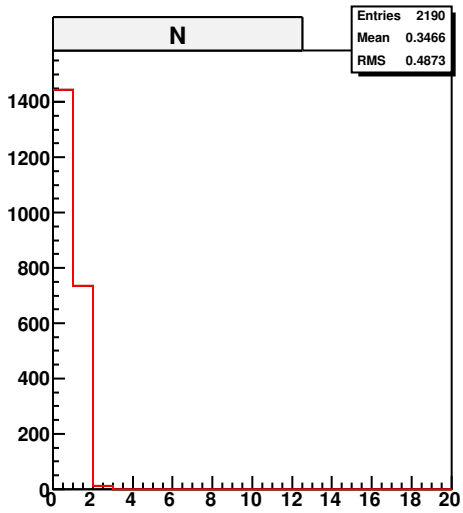


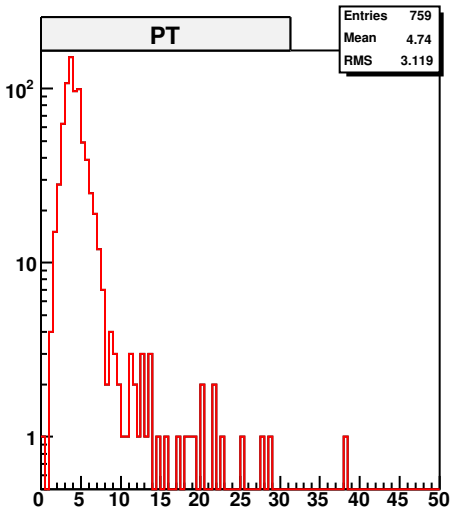


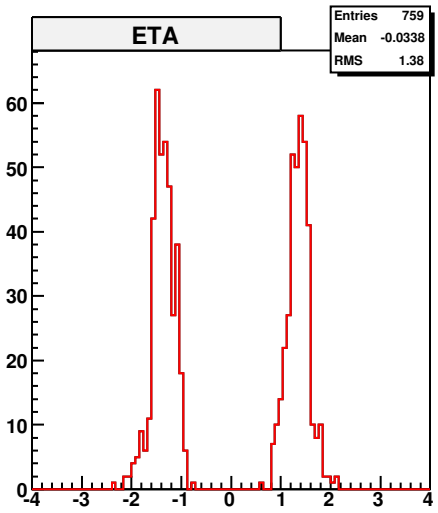


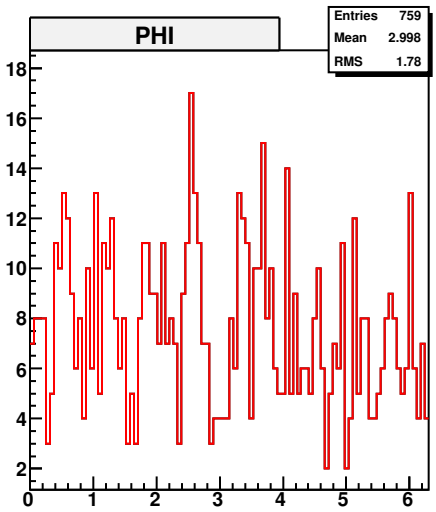


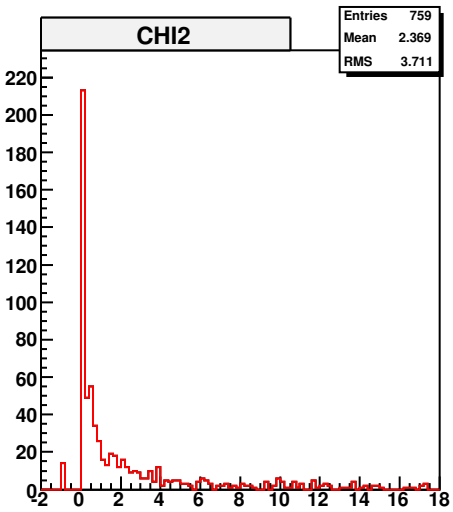
Muon Local Tracks (LooseFamus)

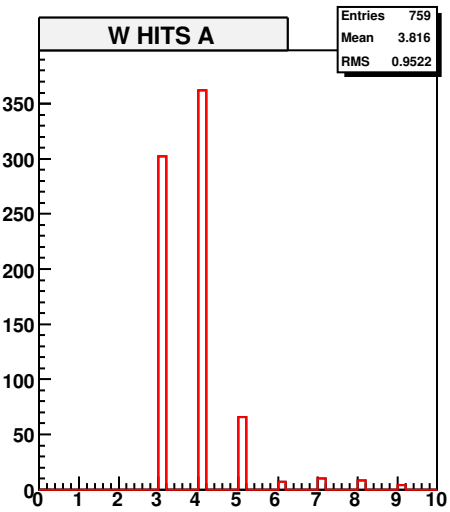


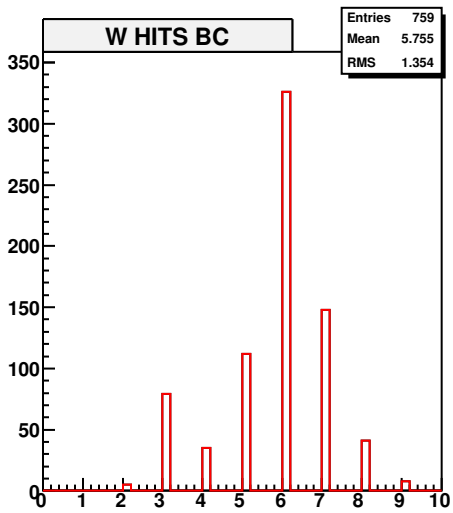


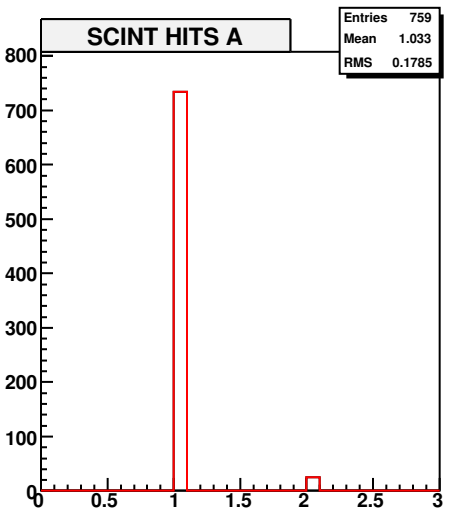


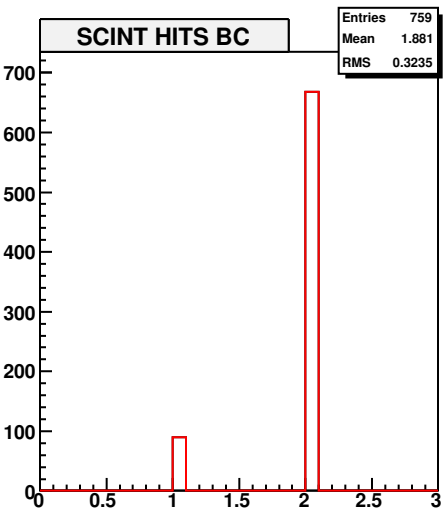




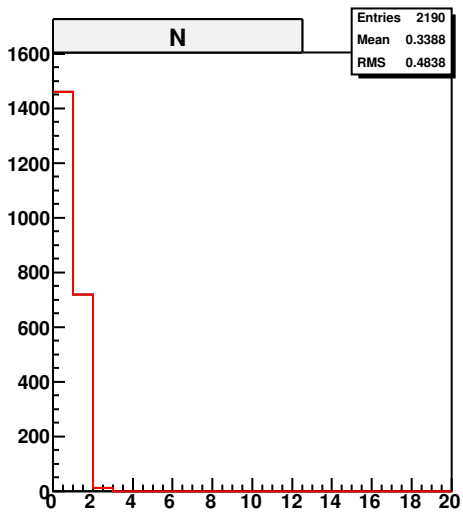


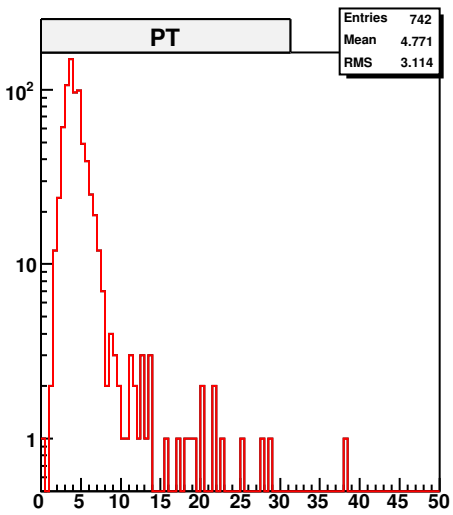


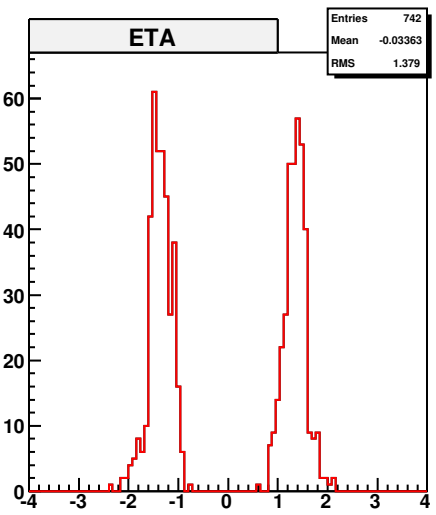


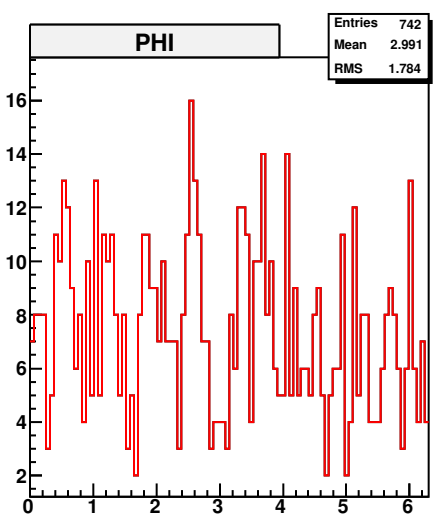


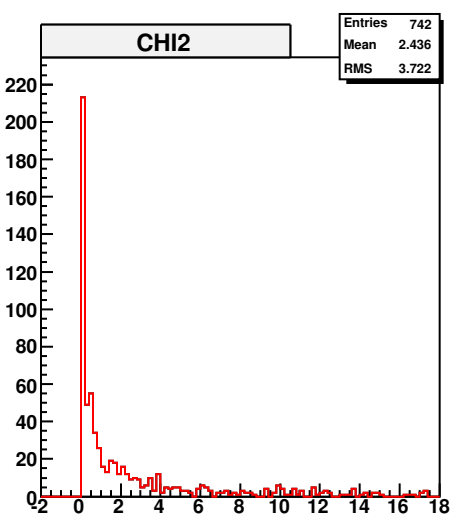
Muon Local Tracks (MediumFamus)

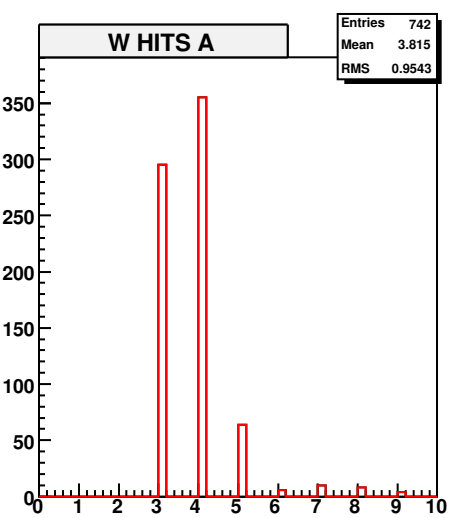


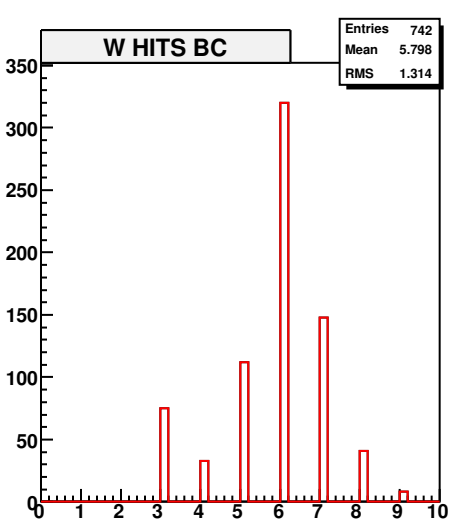


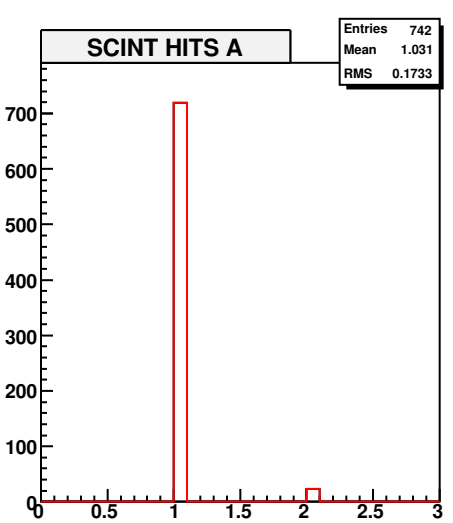


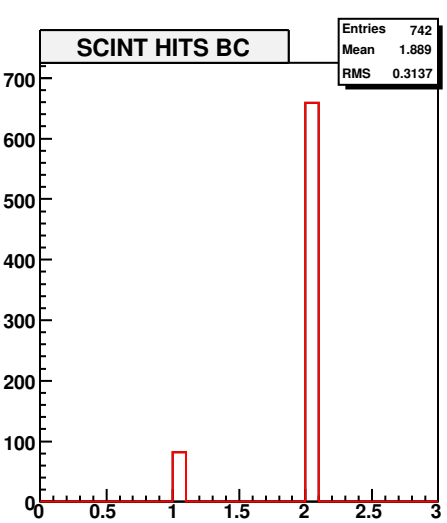




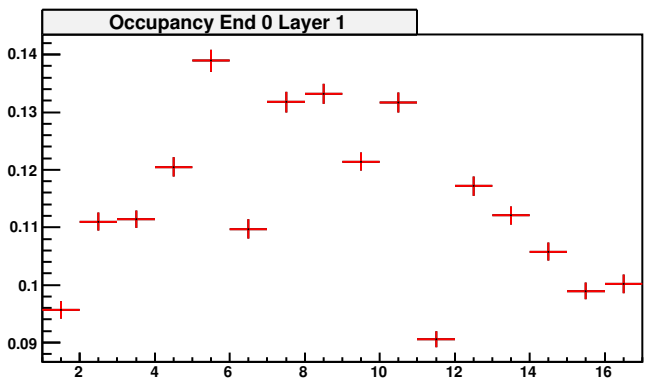


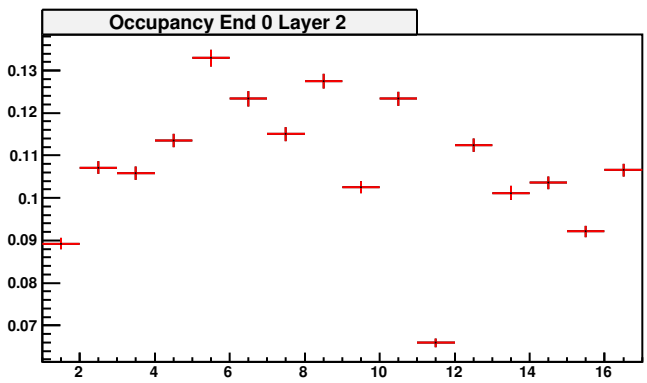


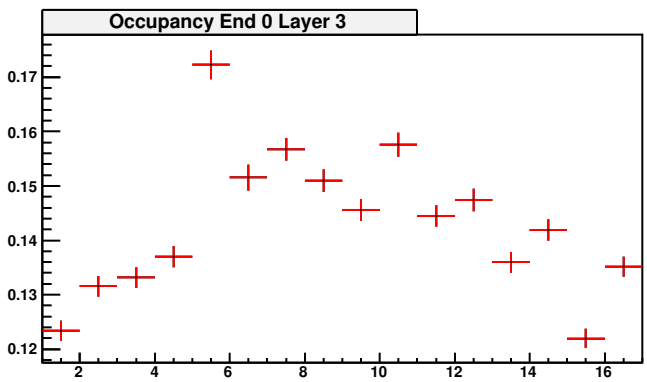


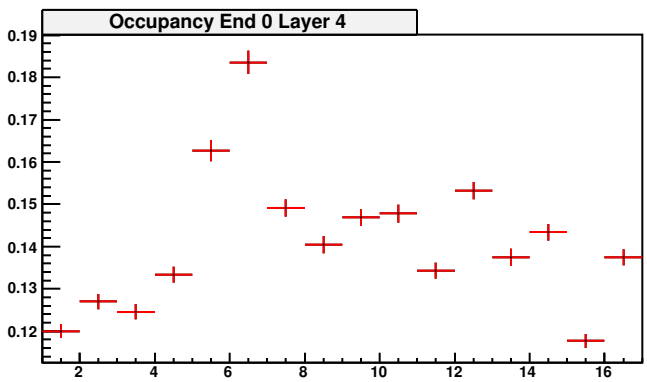


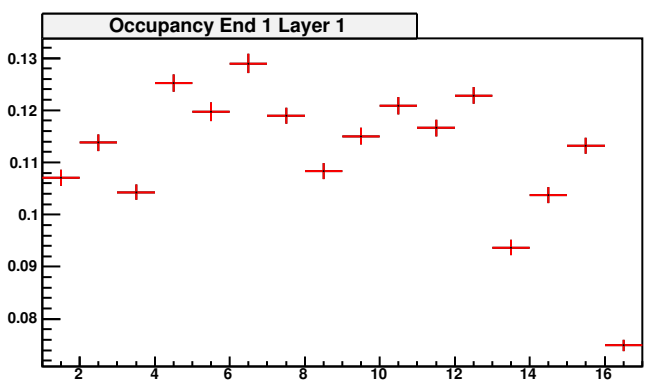
Muon Local Tracks (TightFamus)

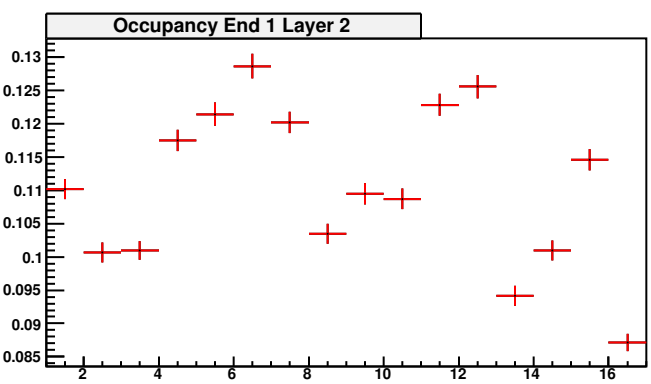


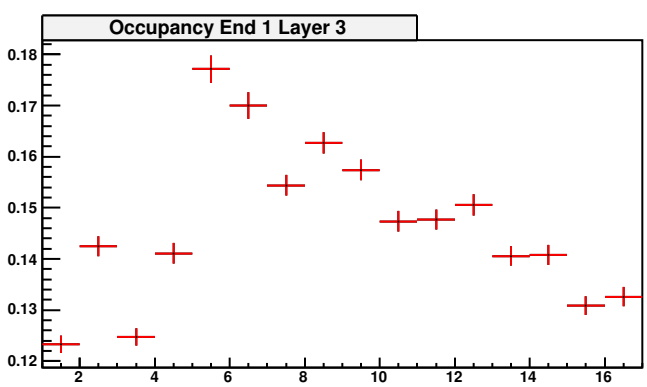


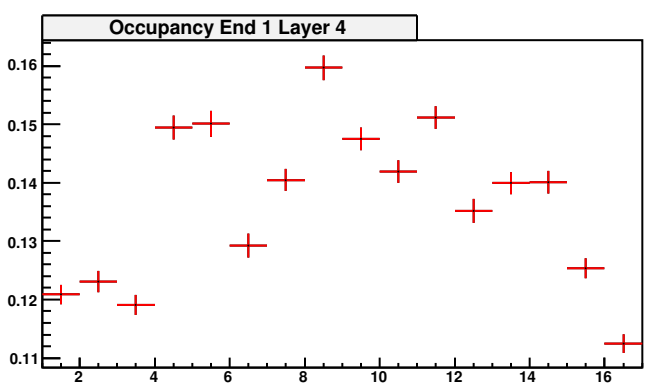




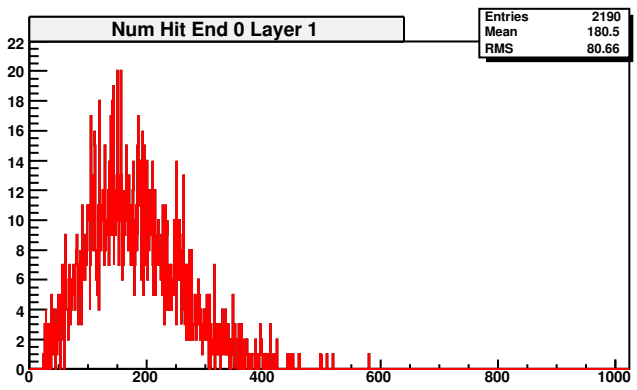


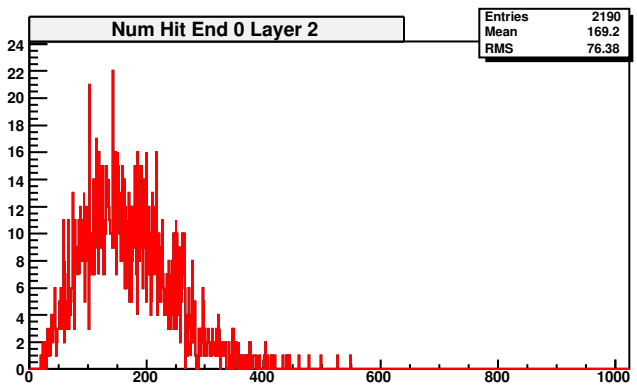


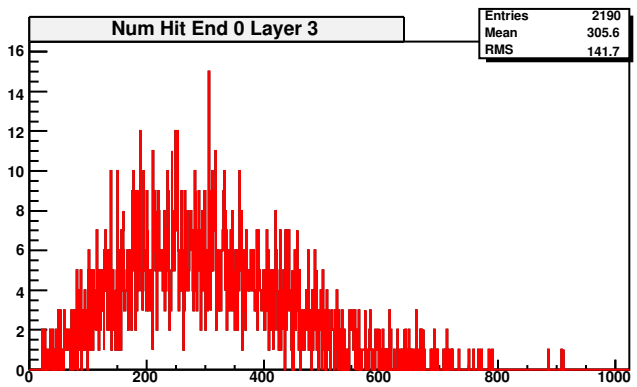


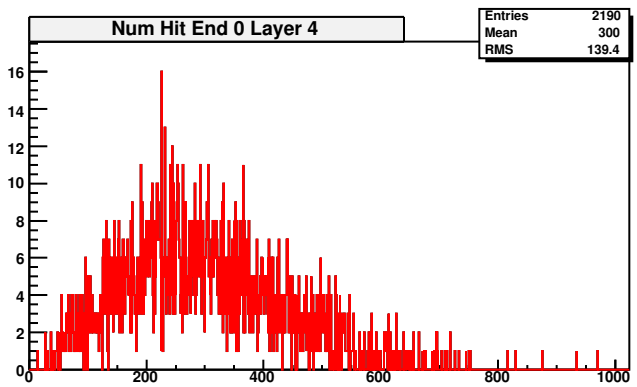


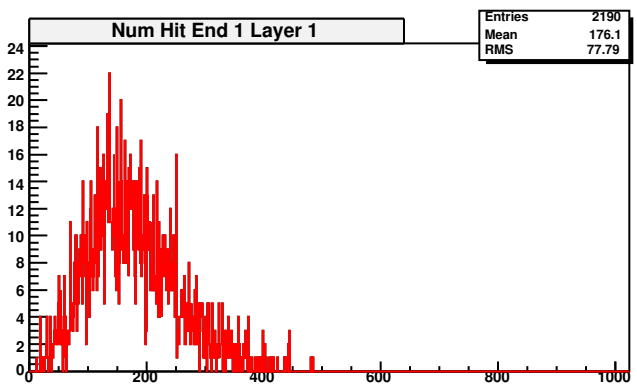
FPS Hit Occupancy (All)

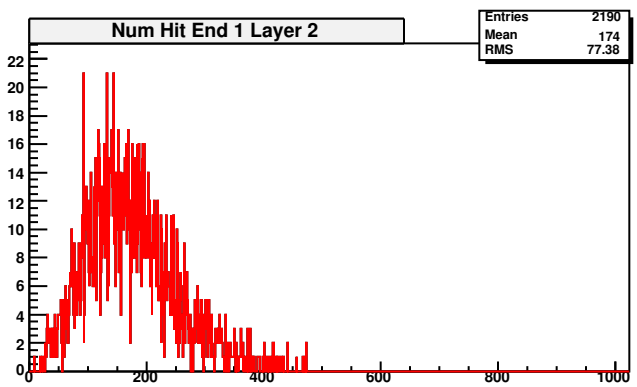


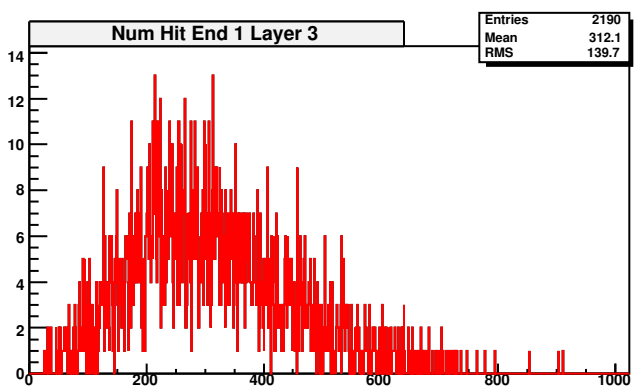


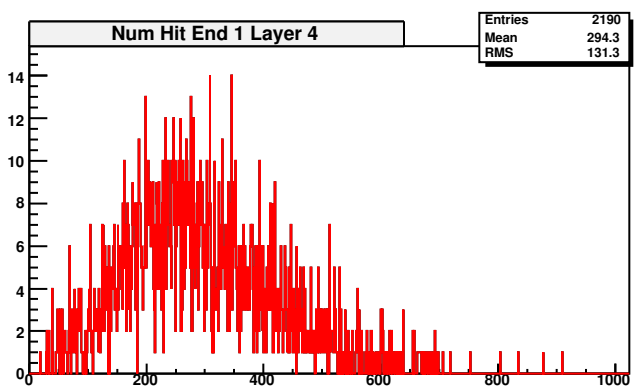




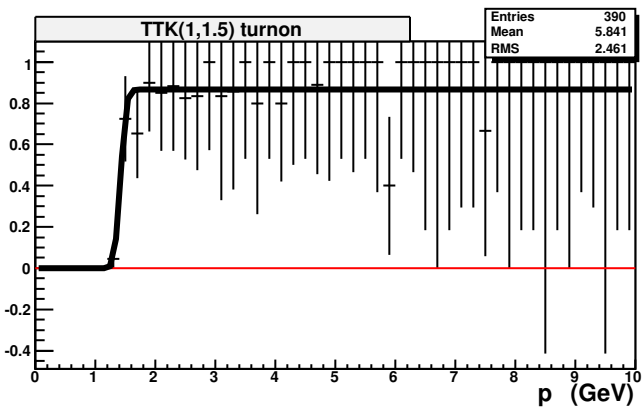


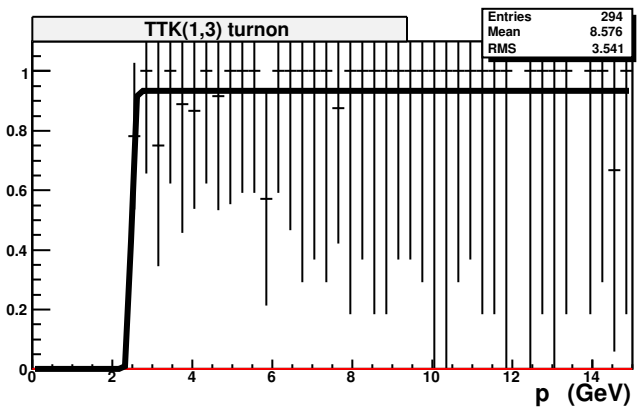


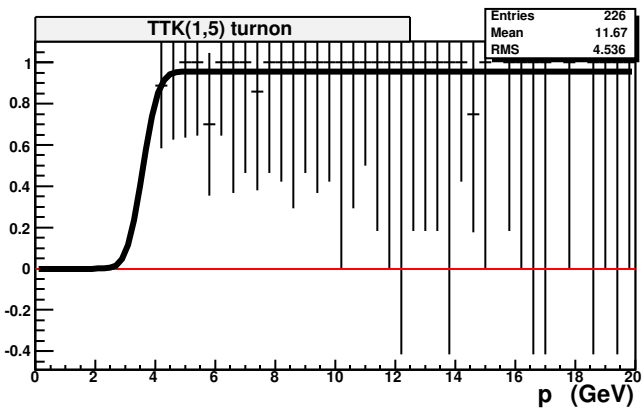


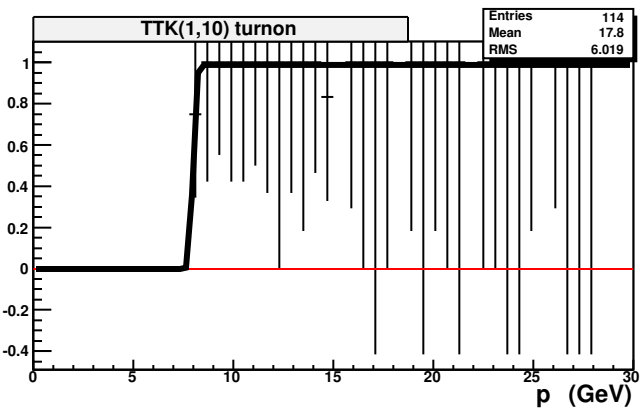


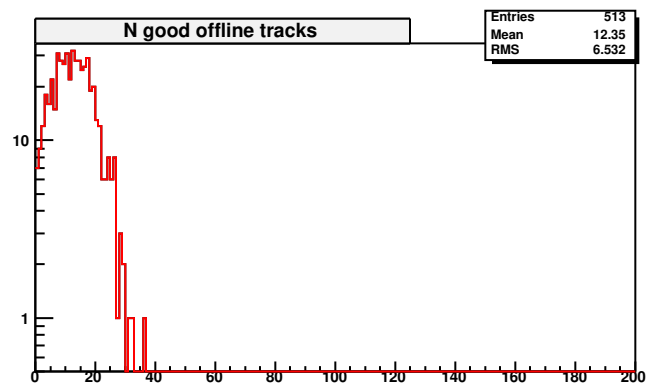
FPS Number of Hits (All)

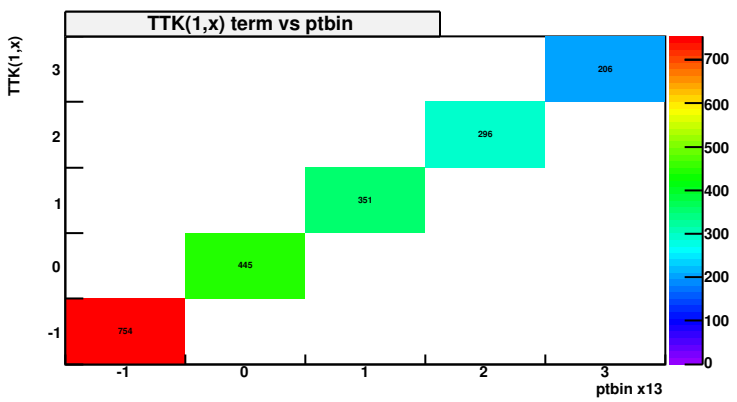


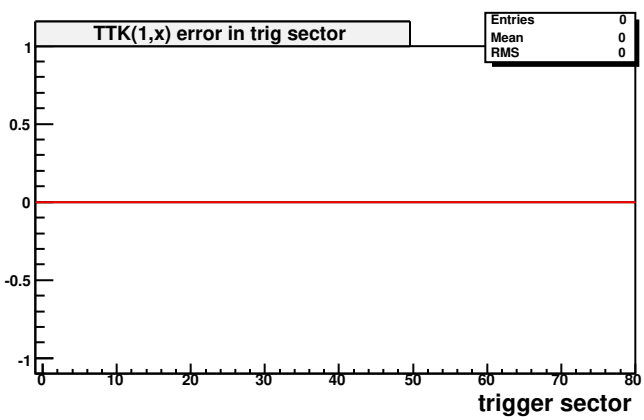


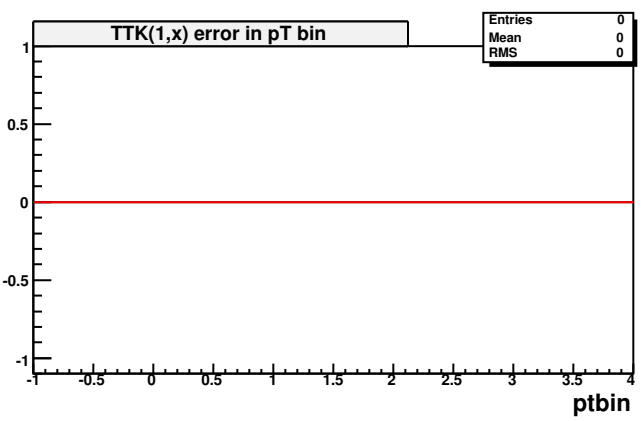




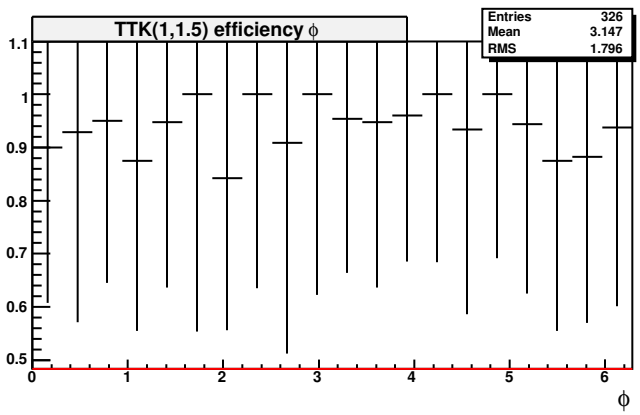


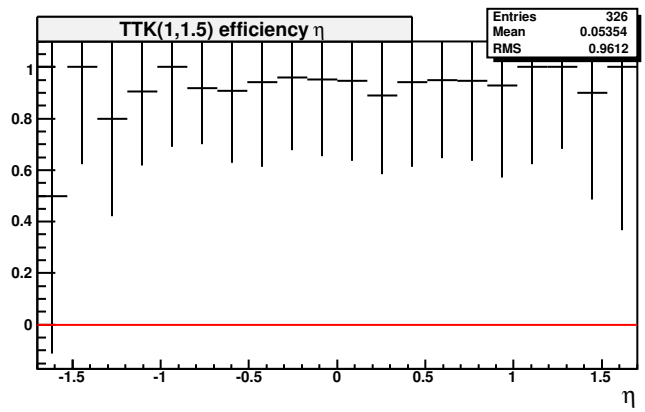


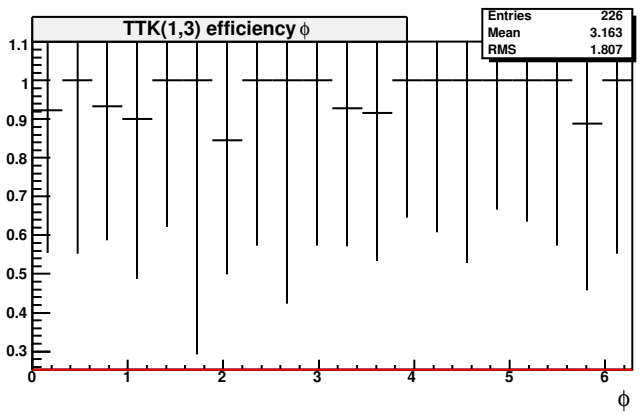


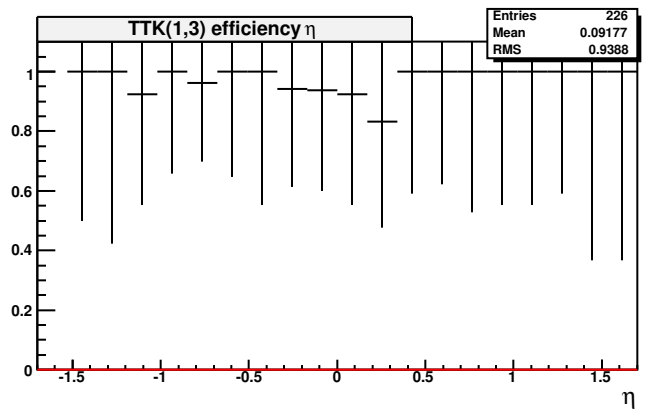


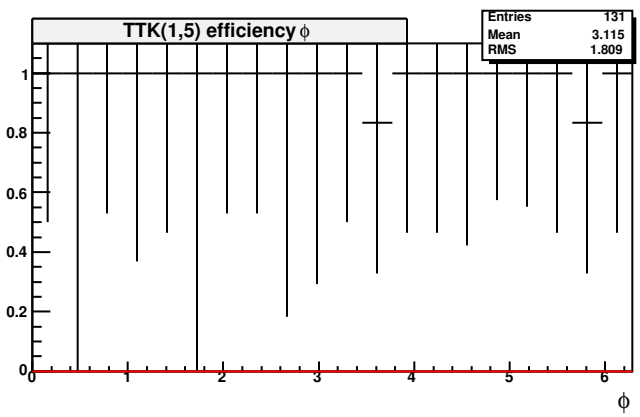
TTK (L1CTT All)

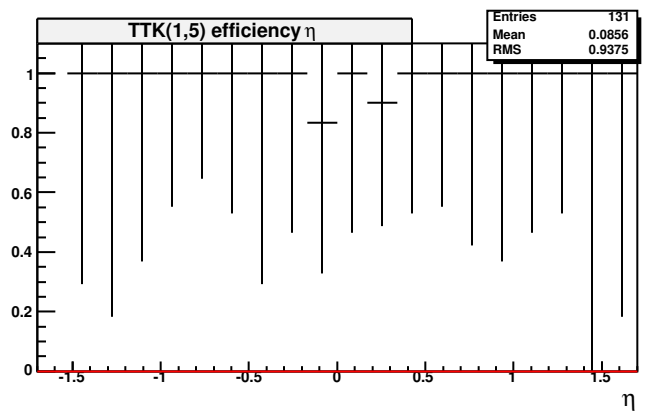


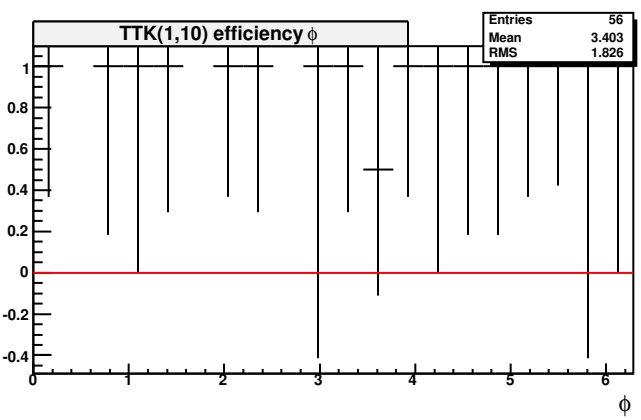


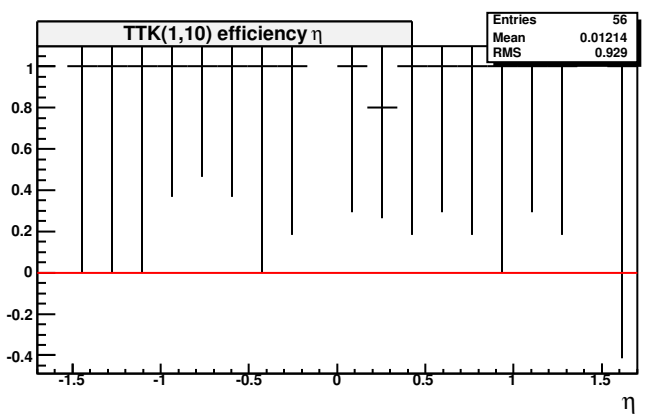












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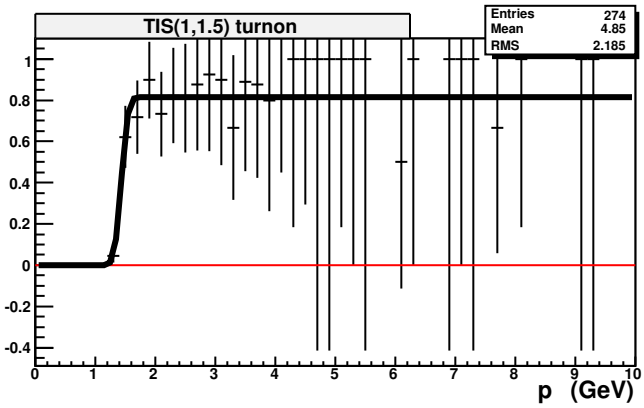

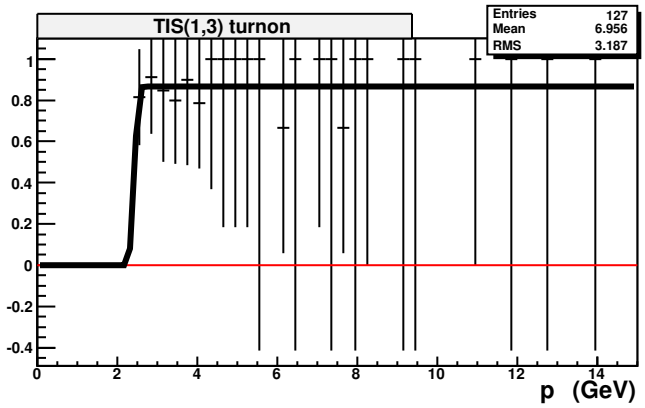

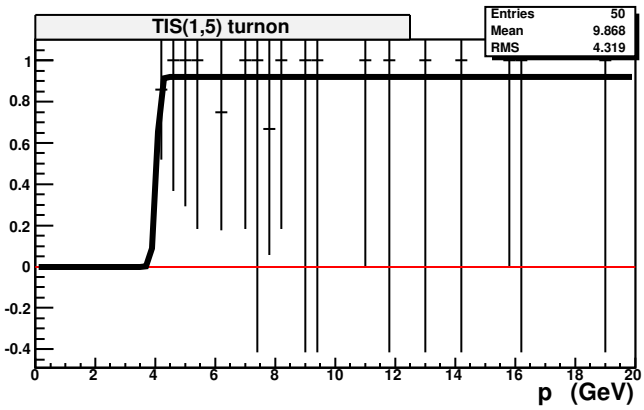

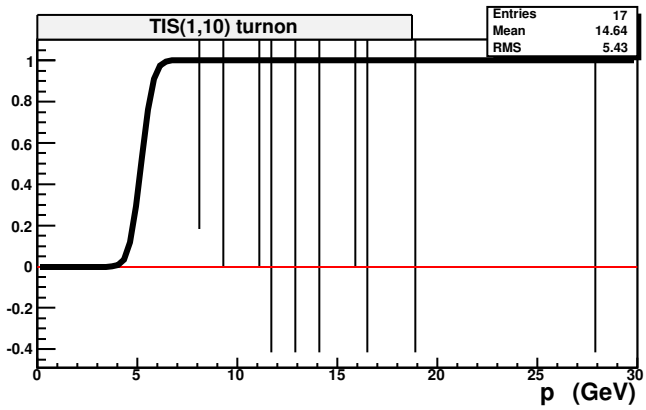

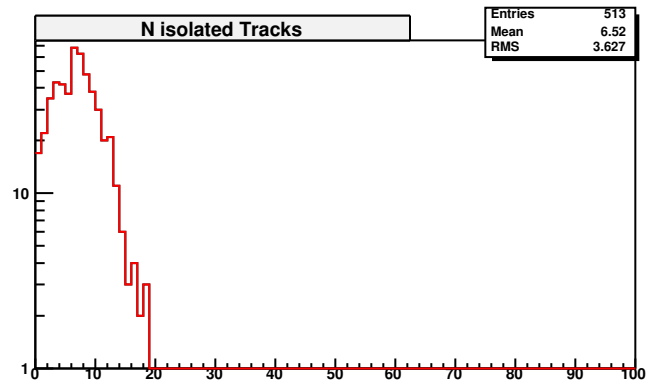

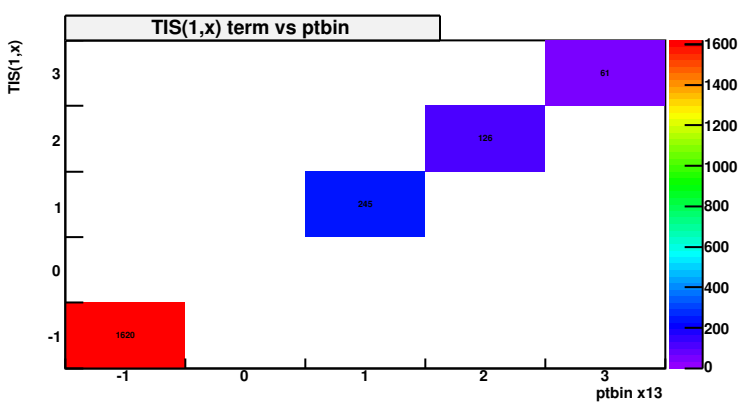

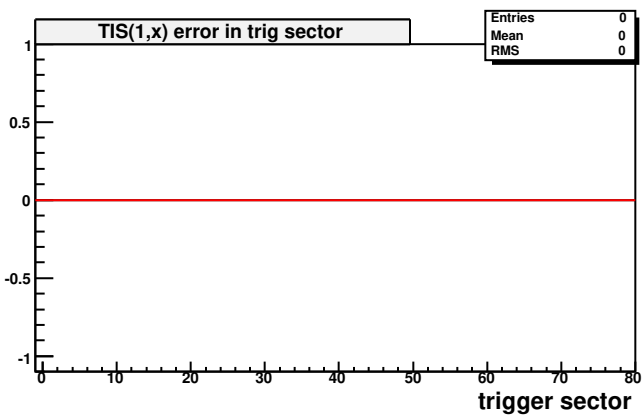

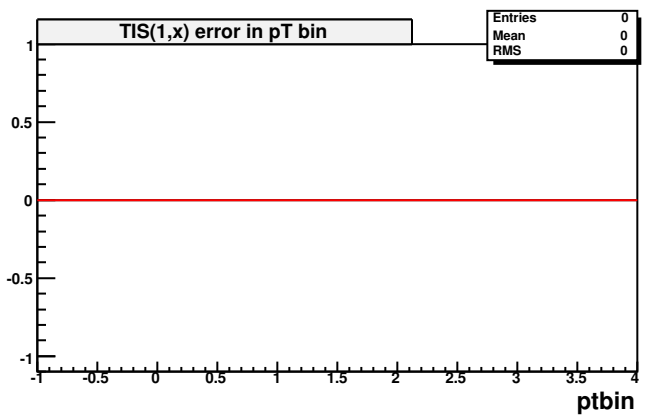

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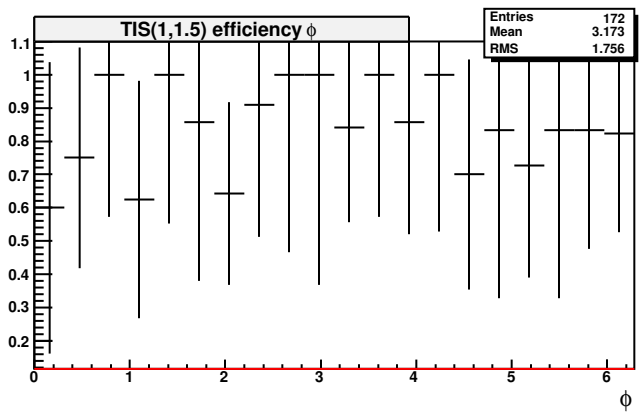

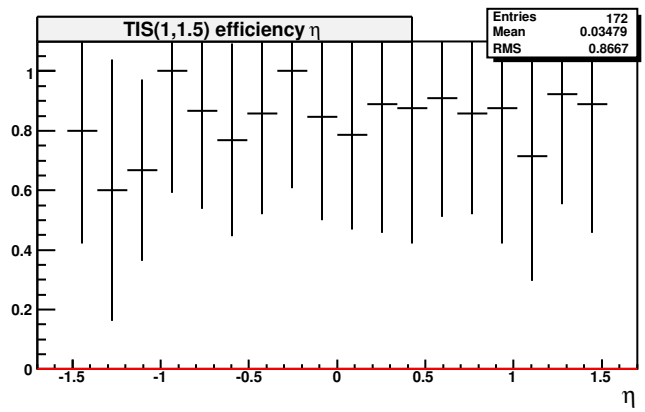

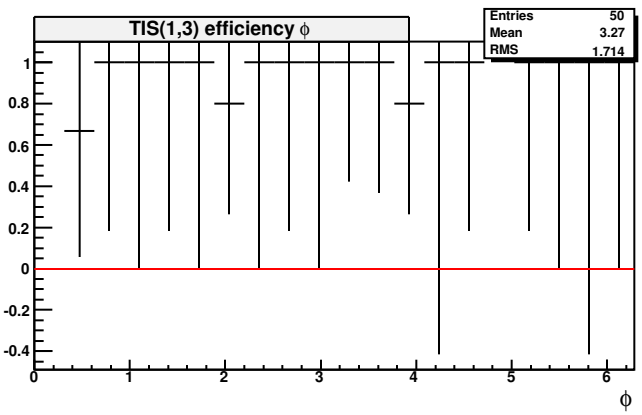

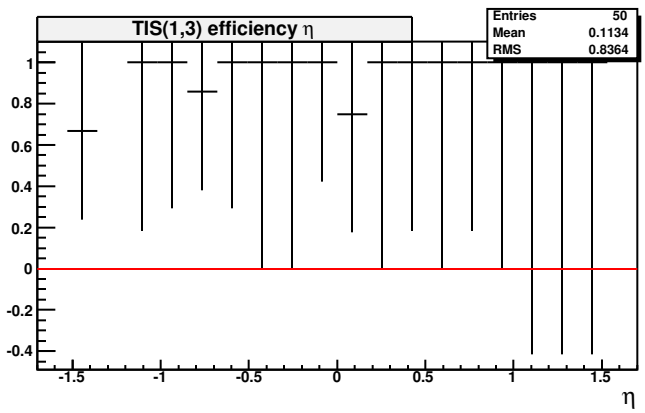

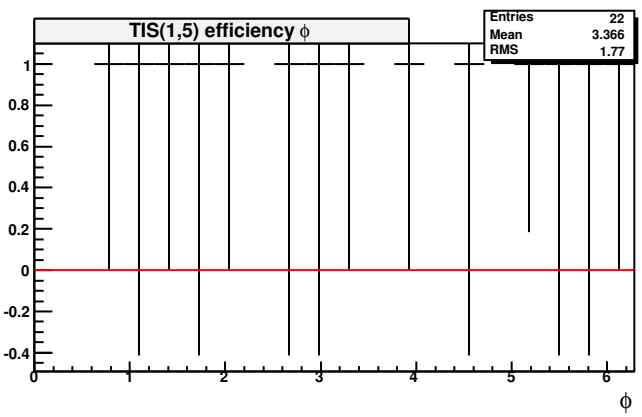

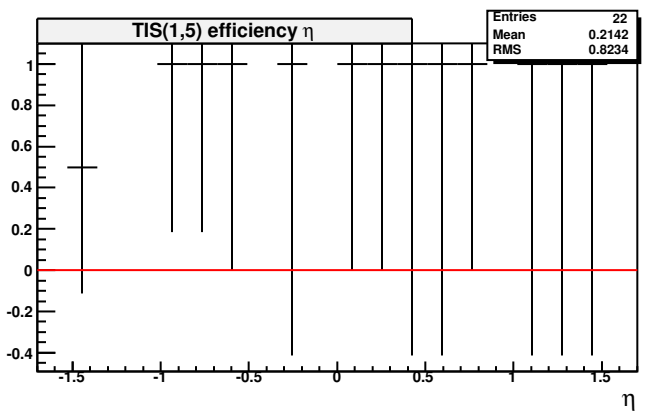

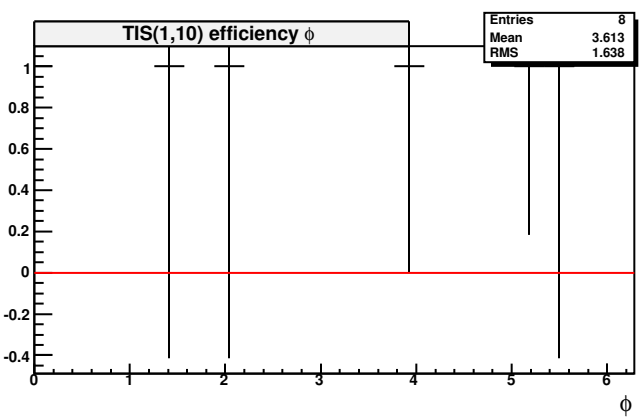

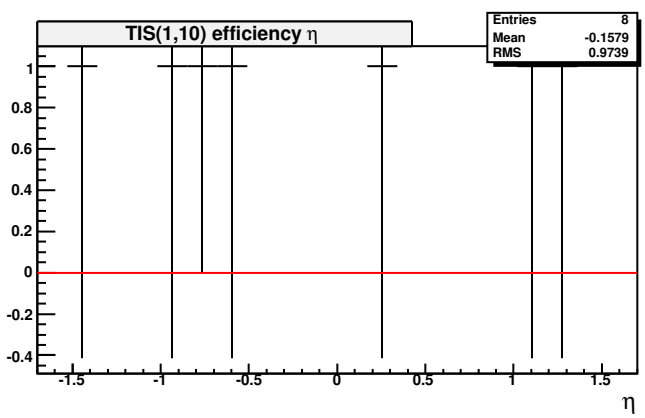

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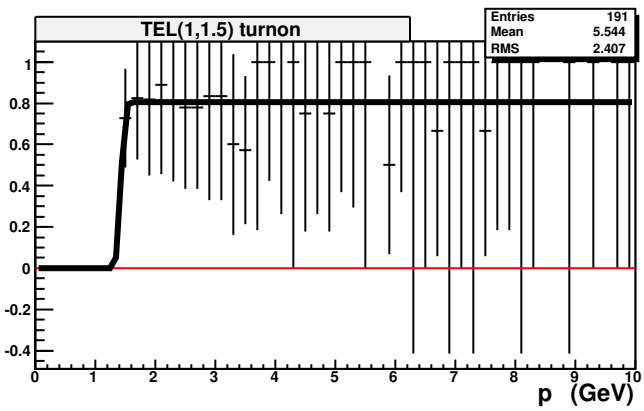

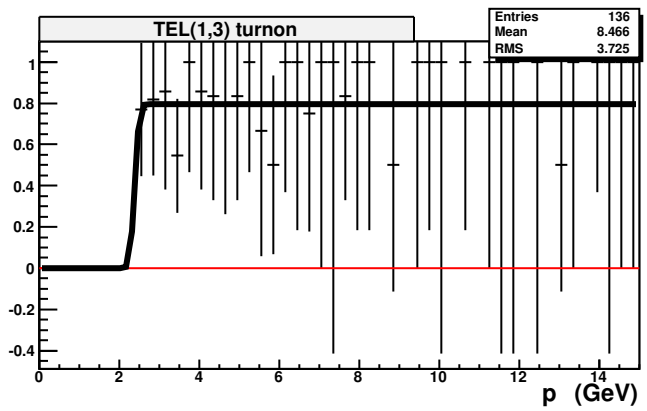

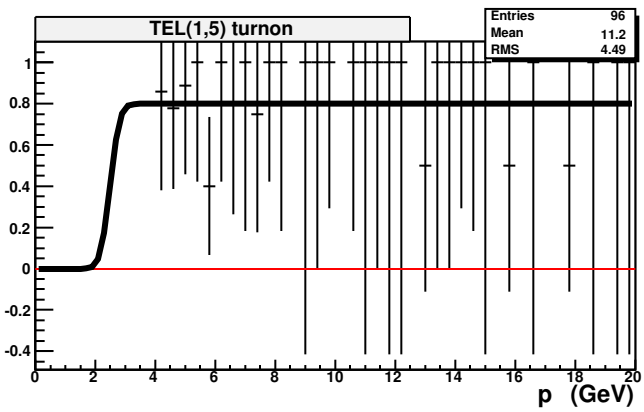

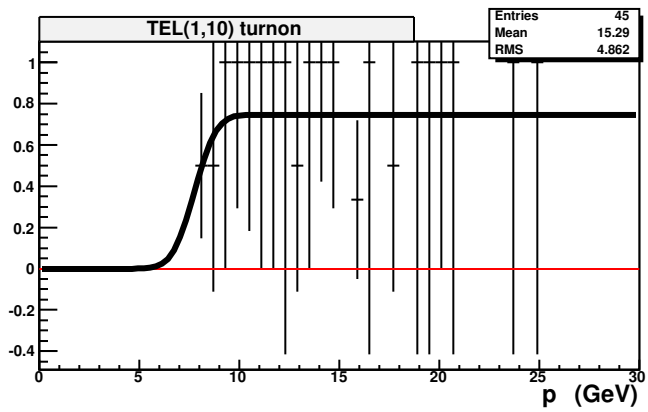

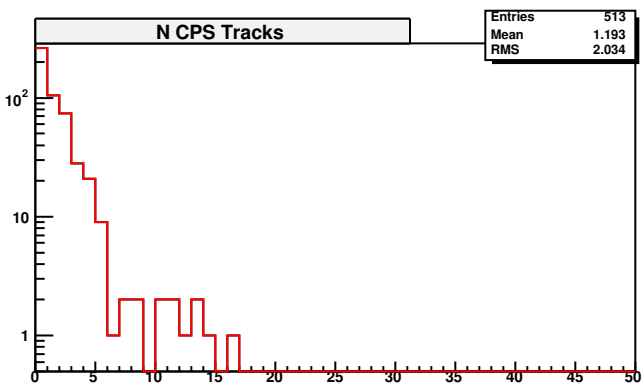

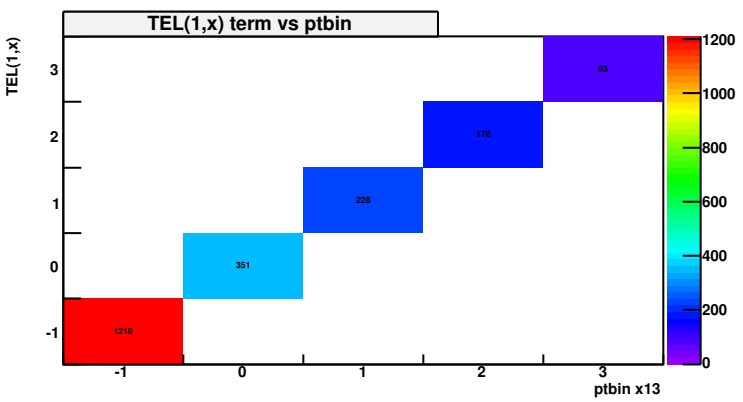

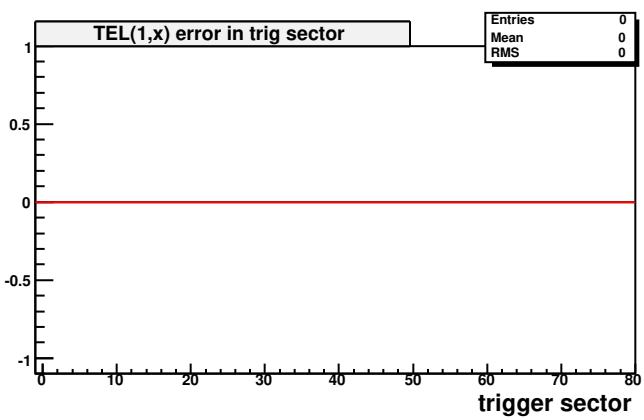

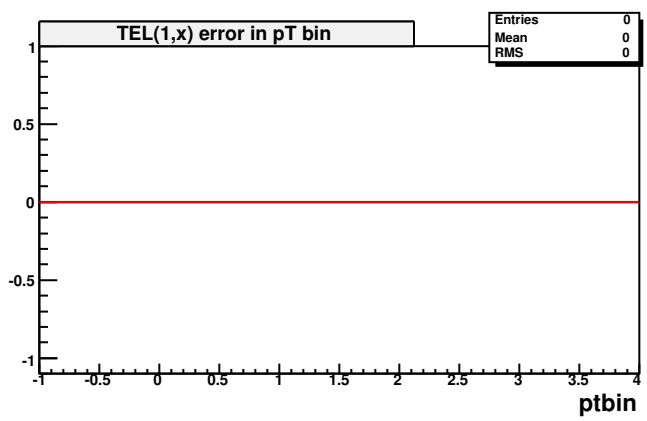

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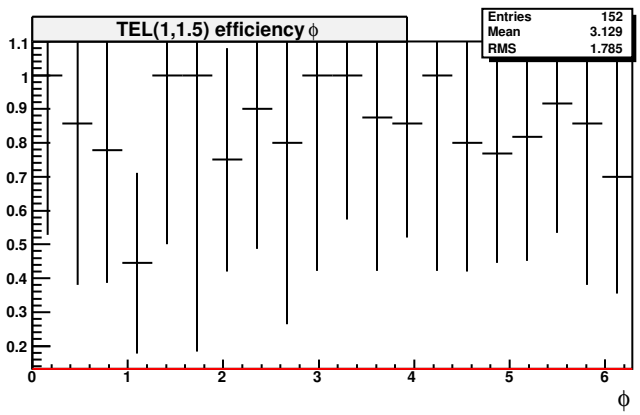

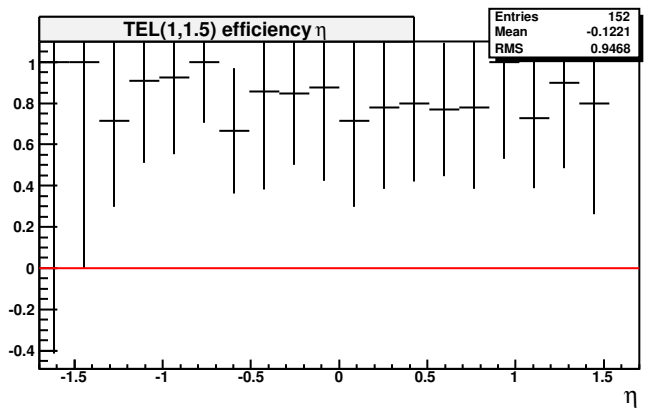

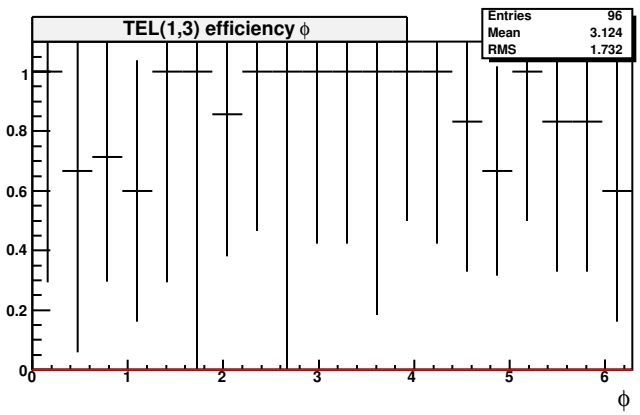

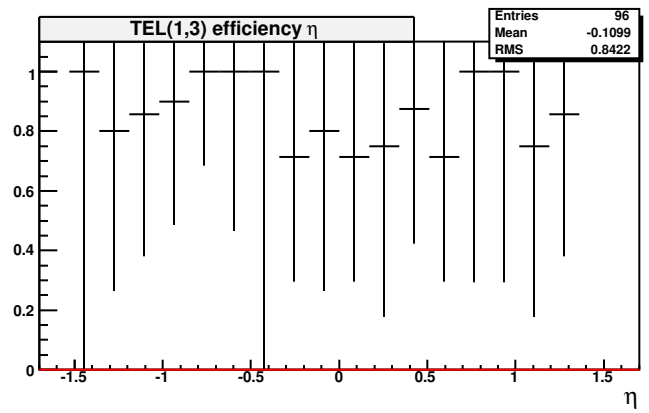

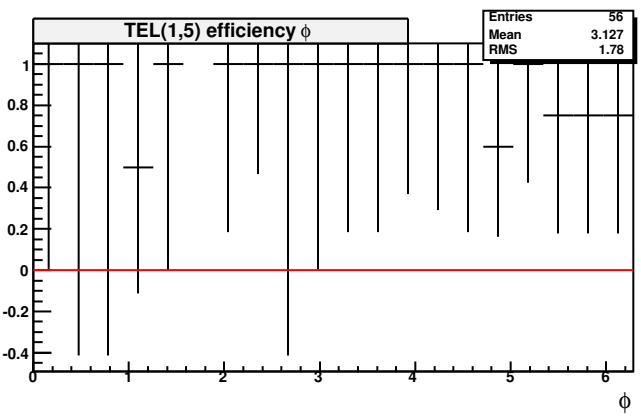

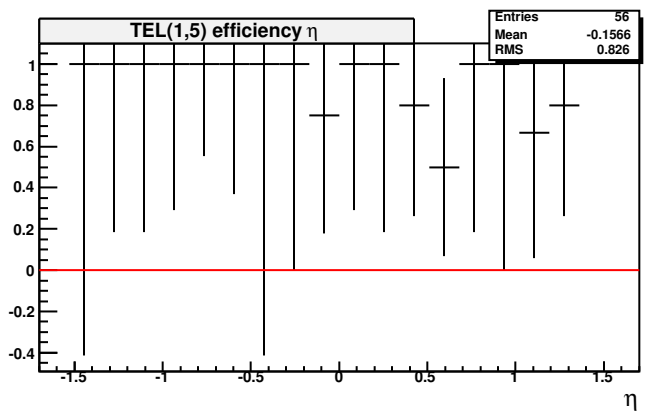

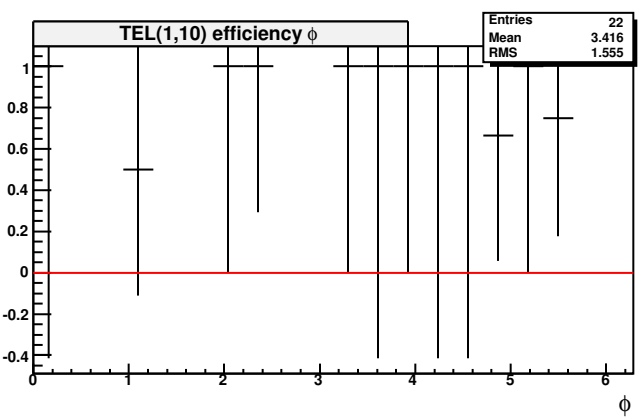

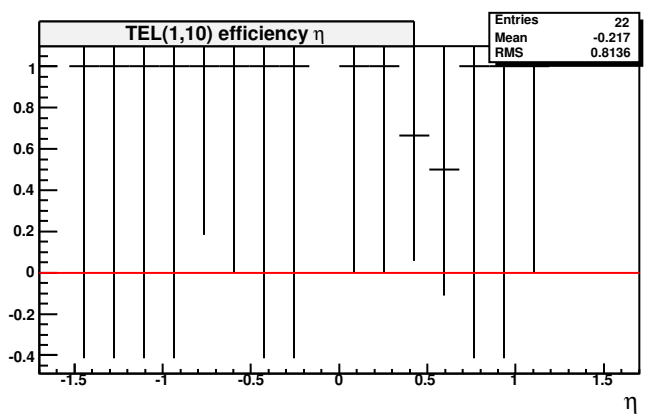

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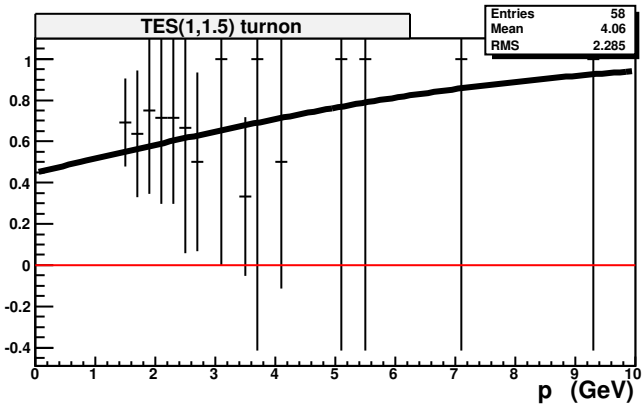

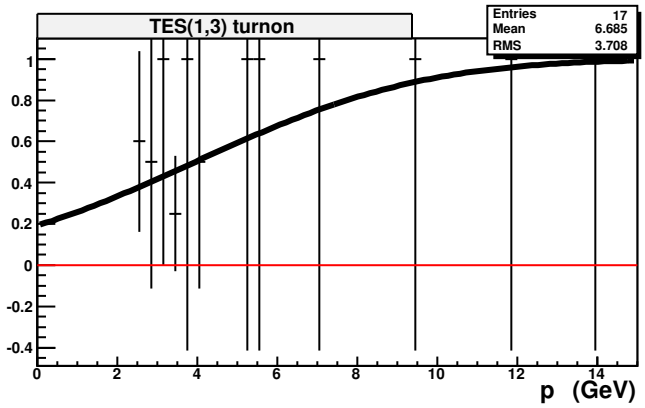

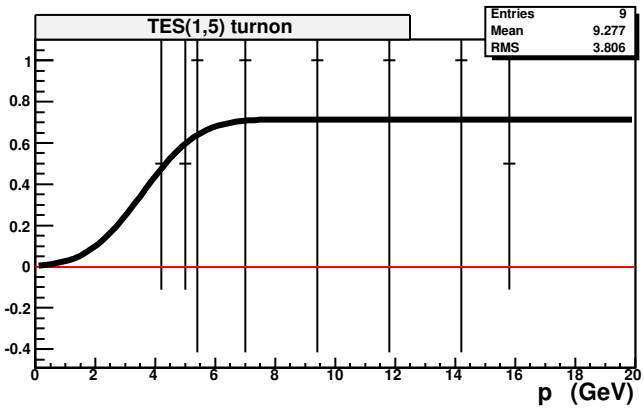

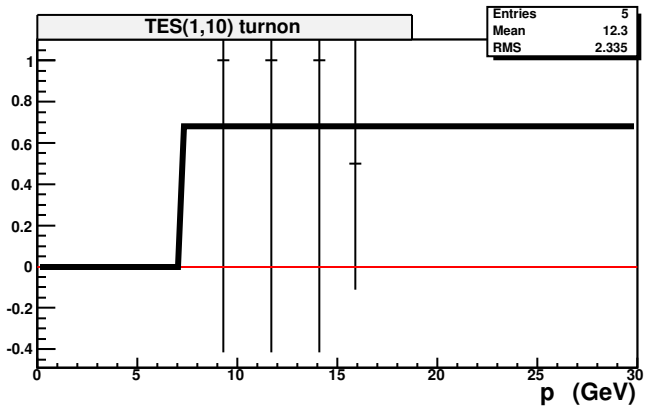

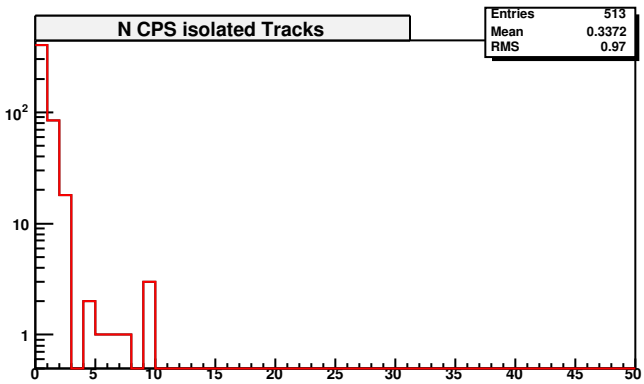

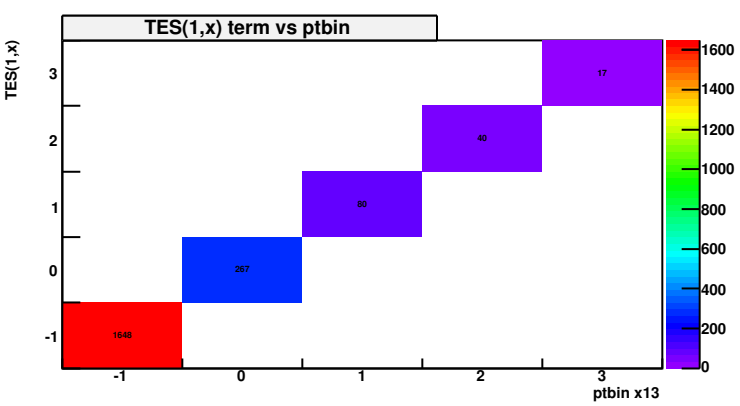

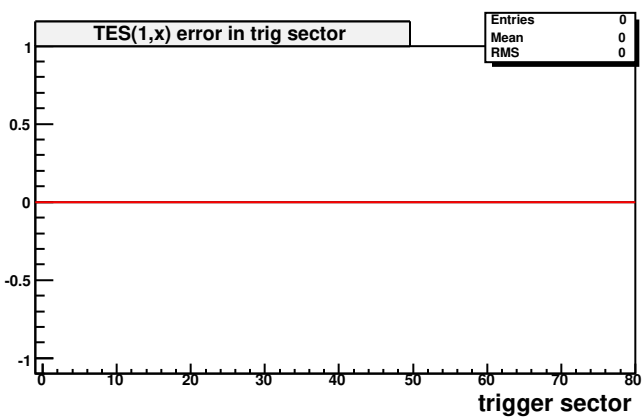

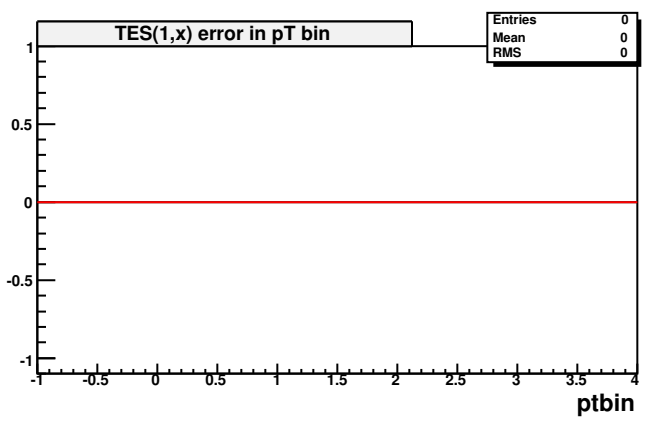

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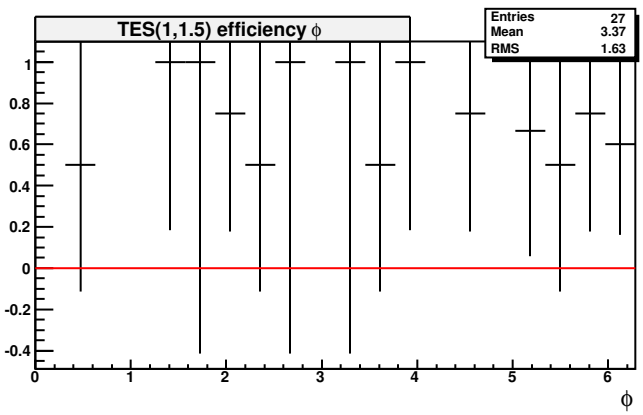

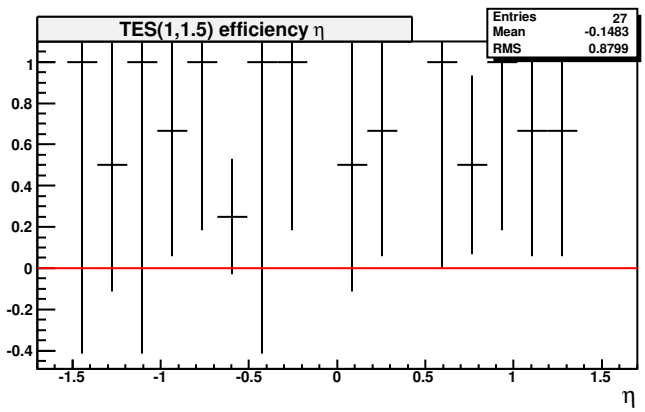

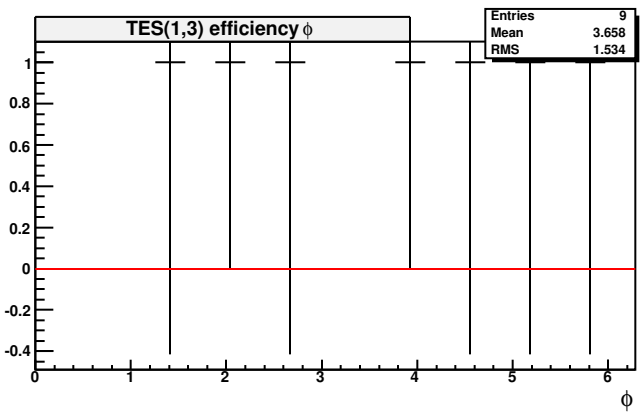

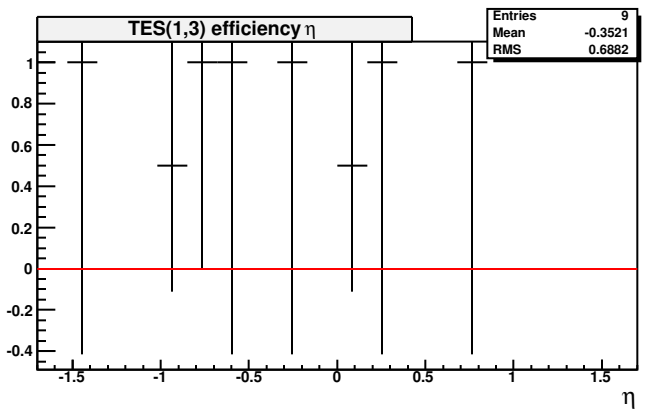

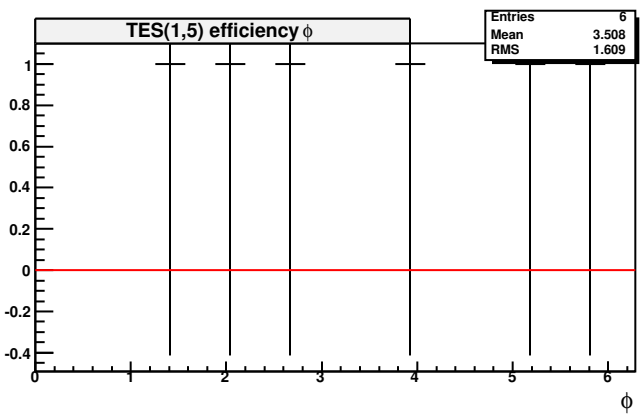

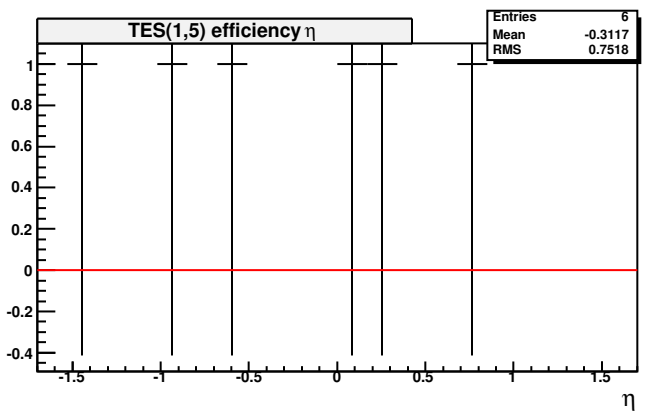

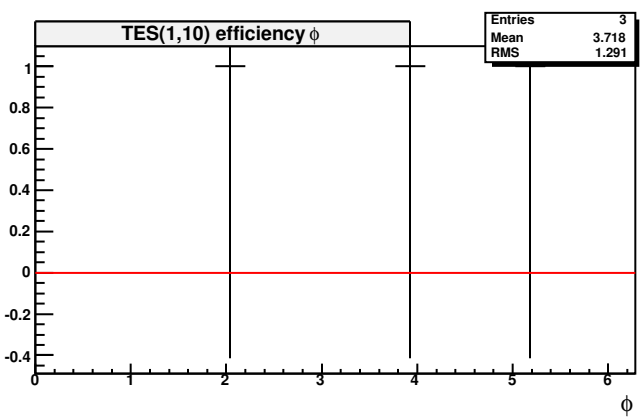

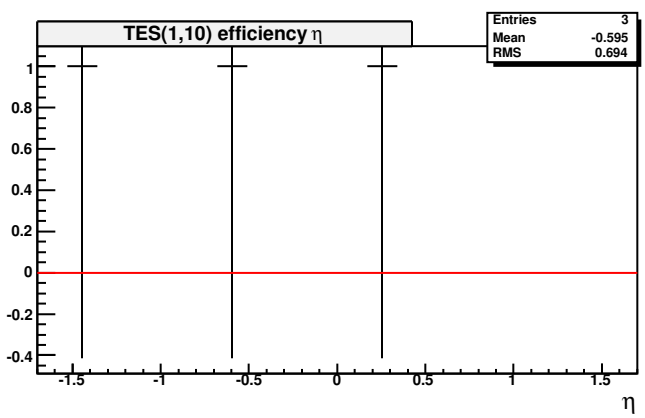

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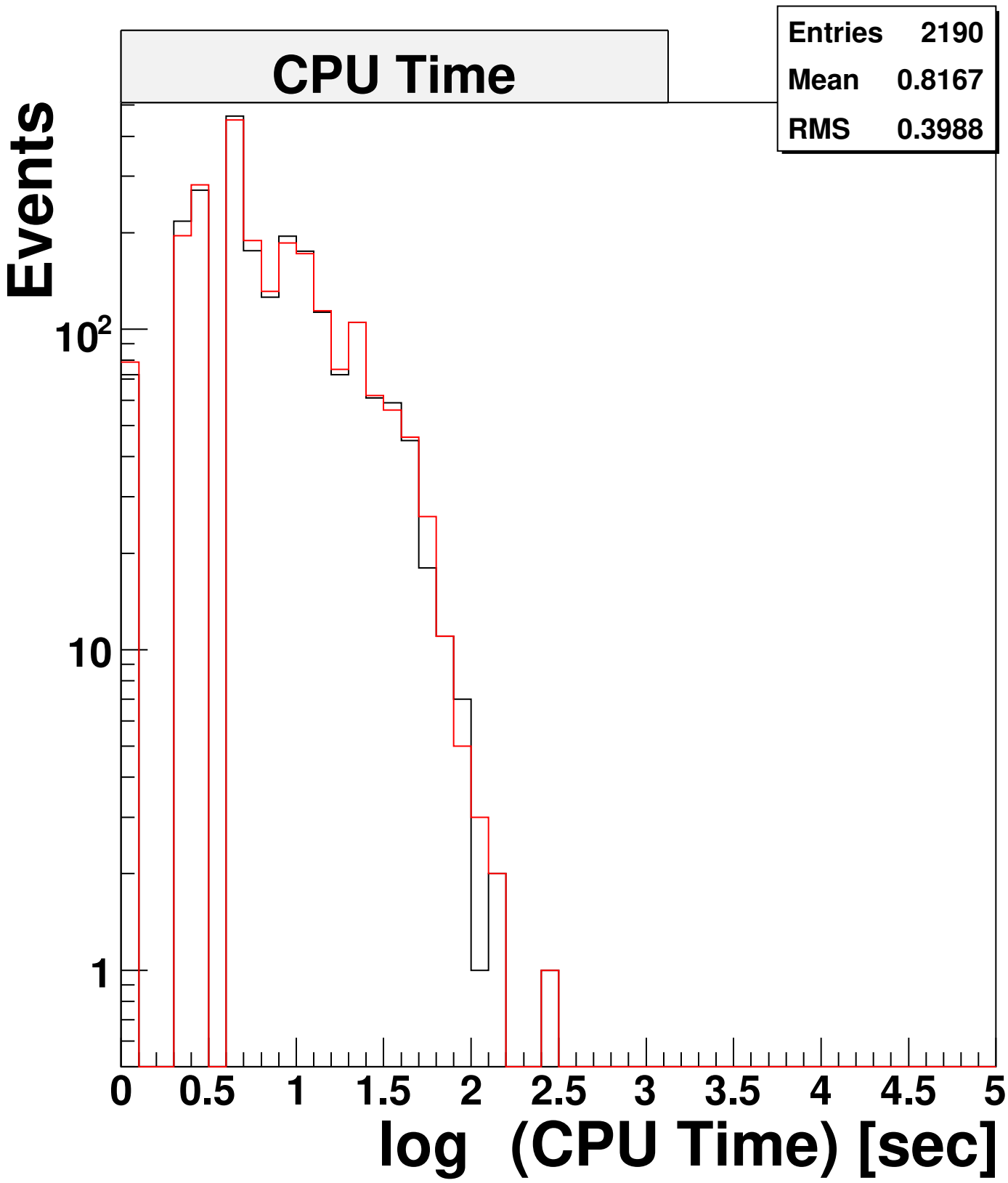

RECO Performance (Timing)