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p2012b5_r238433_014-015.root

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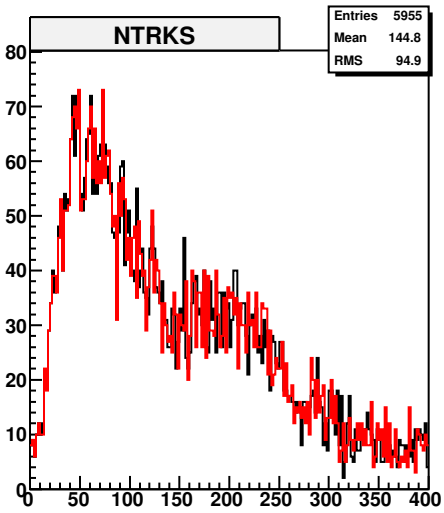
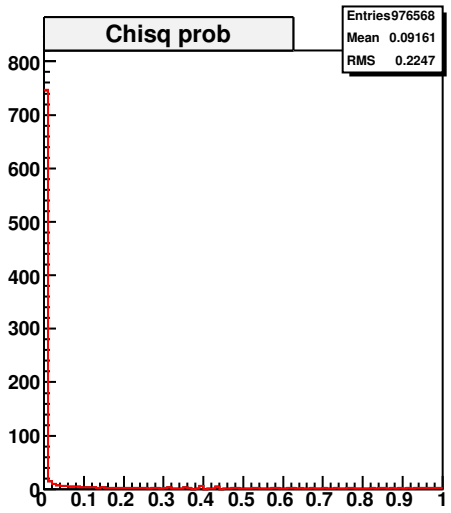
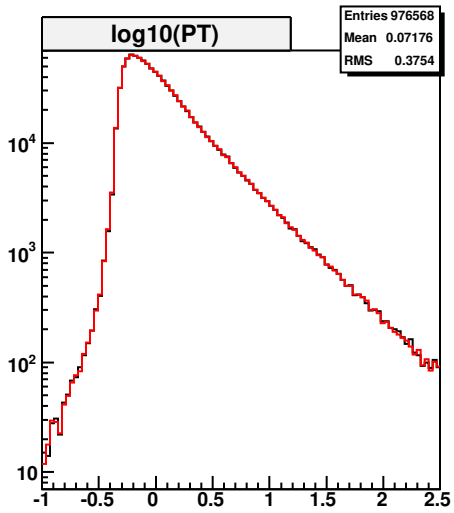
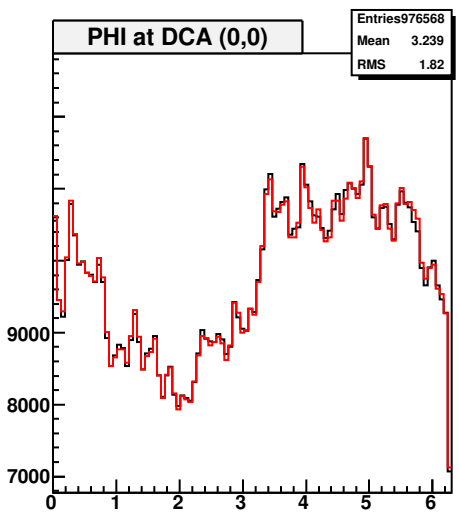
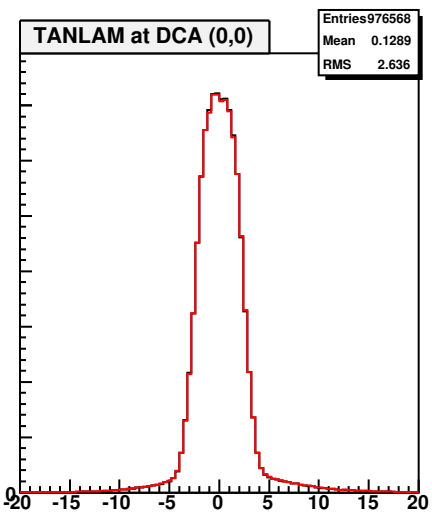
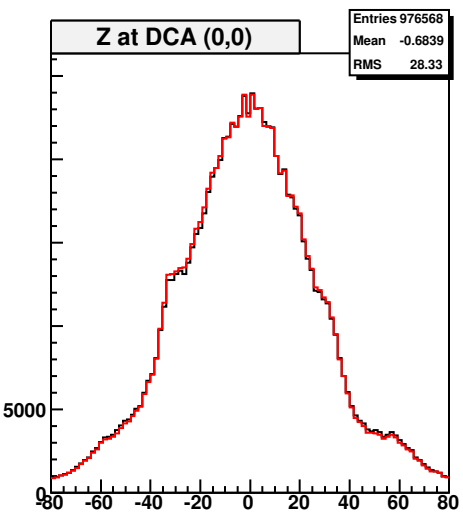

NTRKS
Entries 5955
Mean 144.8
RMS 94.9

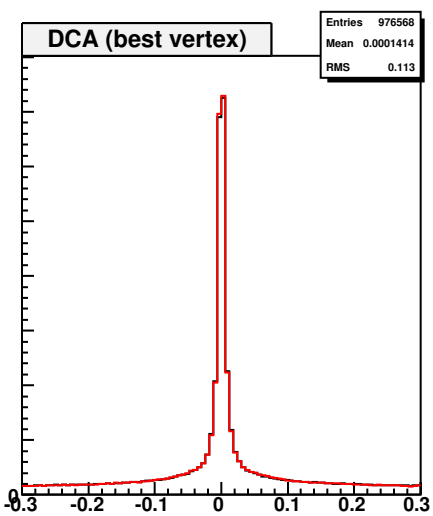

Chisq prob
Entries976568
Mean 0.09161
RMS 0.2247

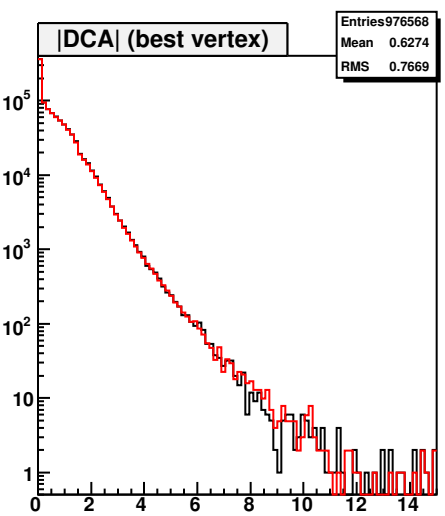

log10(PT)
Entries 976568
Mean 0.07176
RMS 0.3754

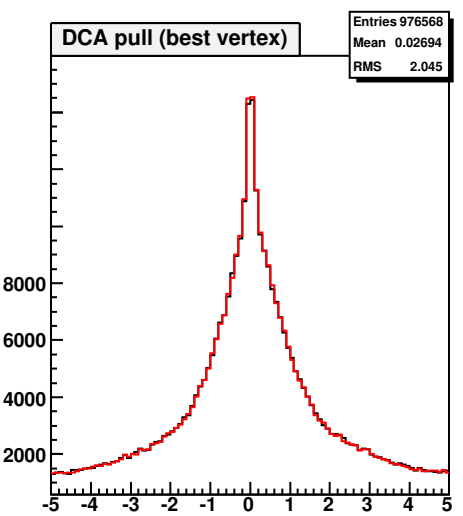

PHI at DCA (0,0)
Entries976568
Mean 3.239
RMS 1.82


TANLAM at DCA (0,0)
Entries976568
Mean 0.1289
RMS 2.636

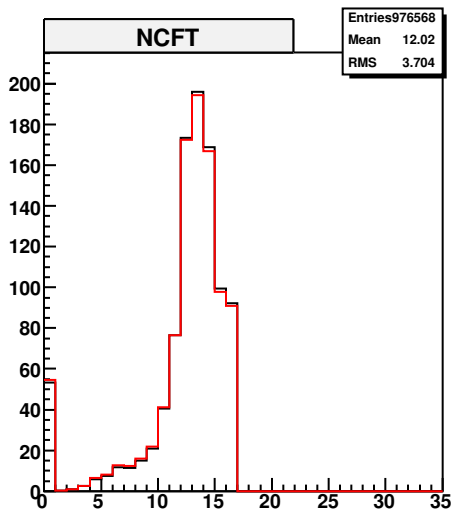

Z at DCA (0,0)
Entries 976568
Mean -0.6839
RMS 28.33

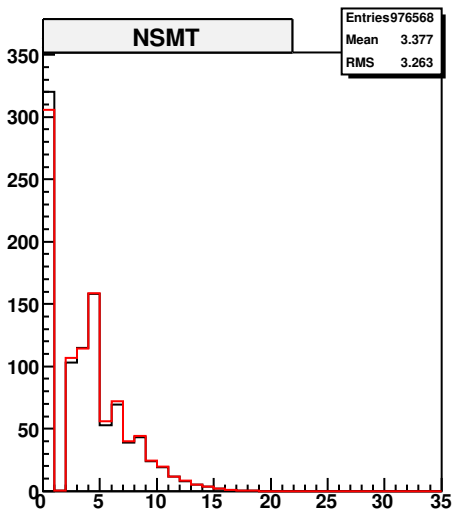

DCA (best vertex)
Entries 976568
Mean 0.0001414
RMS 0.113

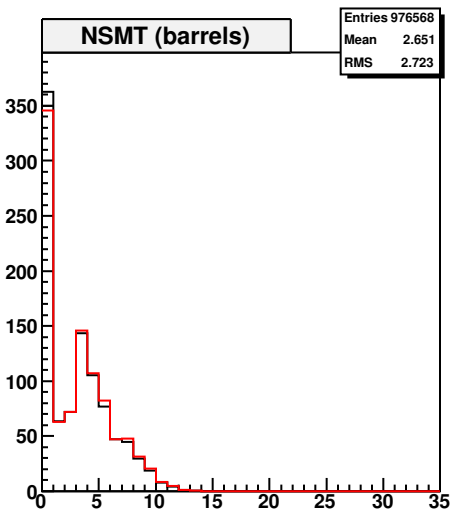

|DCA| (best vertex)
Entries976568
Mean 0.6274
RMS 0.7669

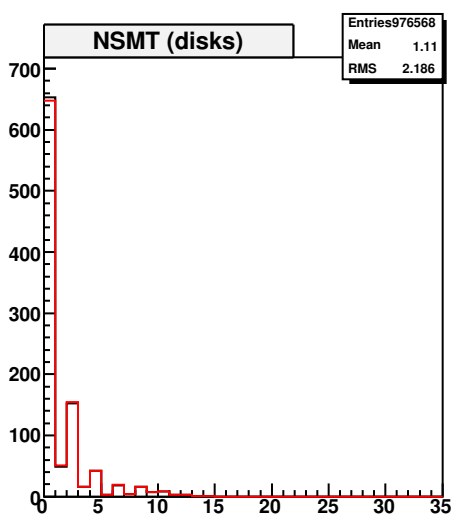

DCA pull (best vertex)
Entries 976568
Mean 0.02694
RMS 2.045

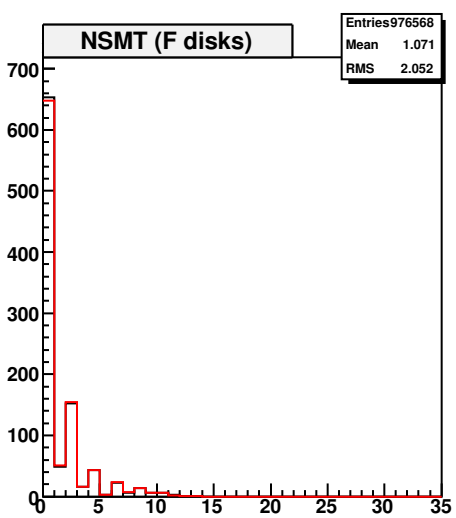
Tracks (All)

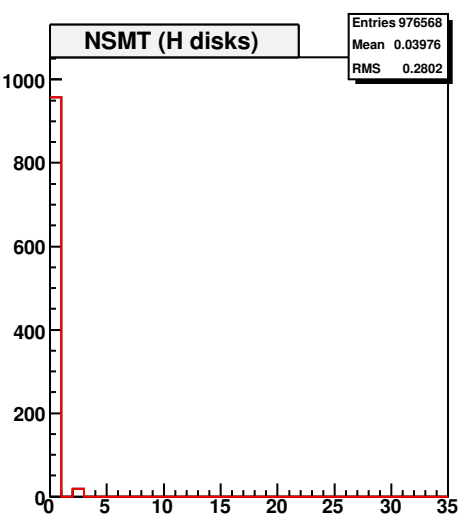


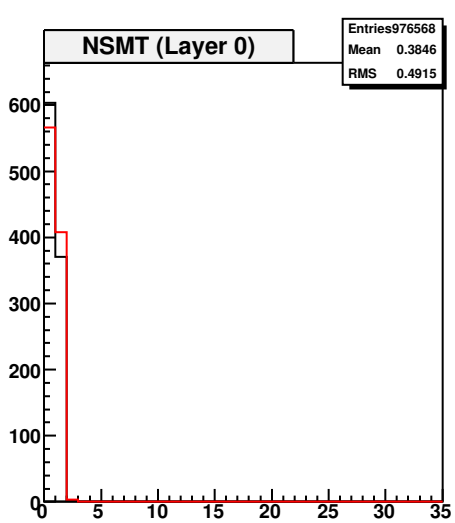




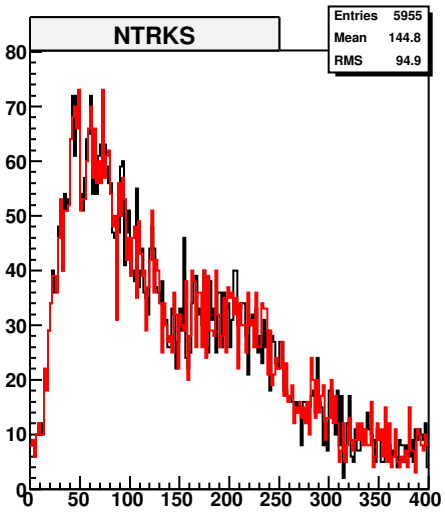


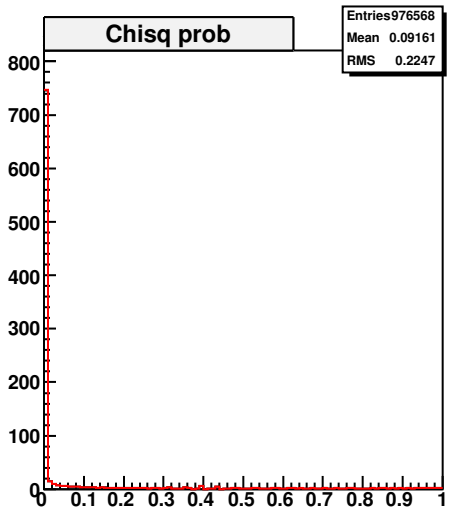


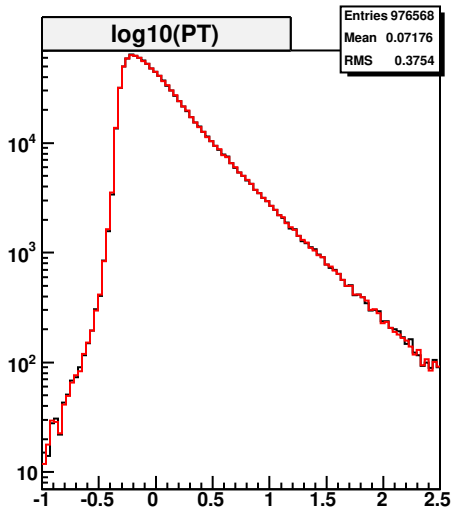


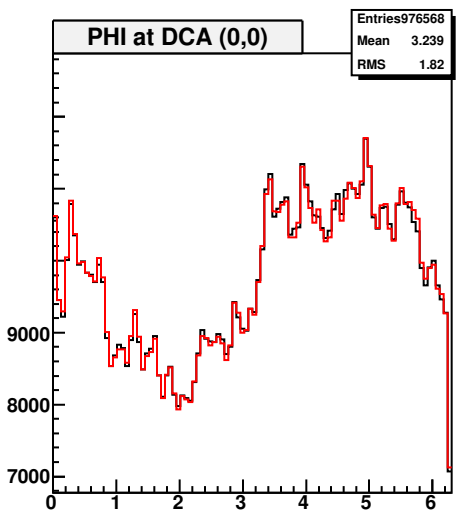


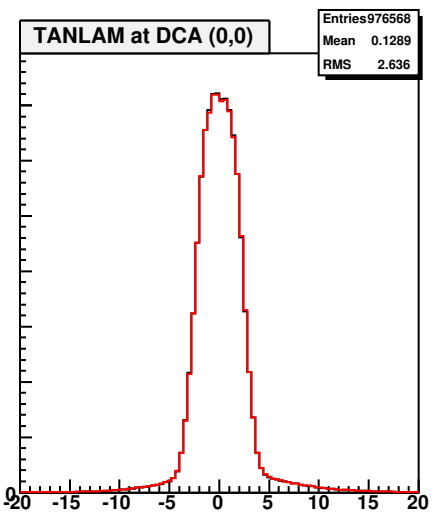
Track Hits (All)

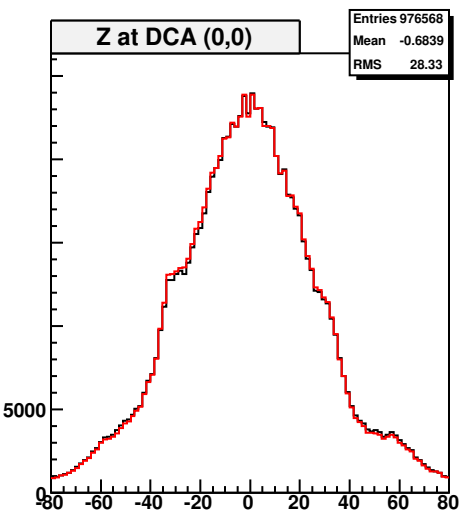


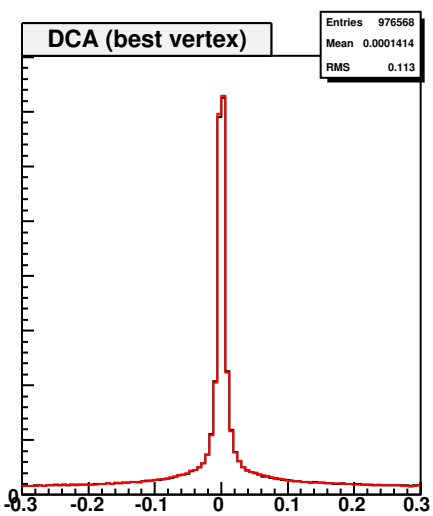


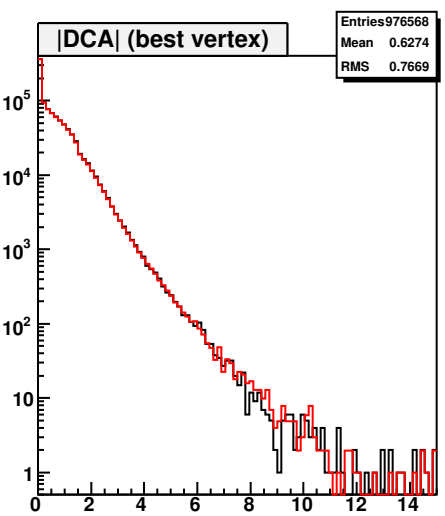


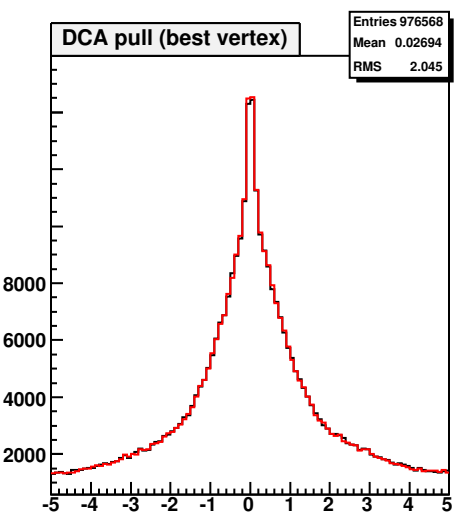




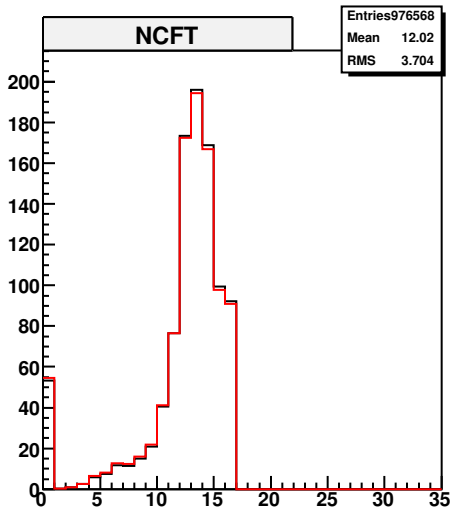


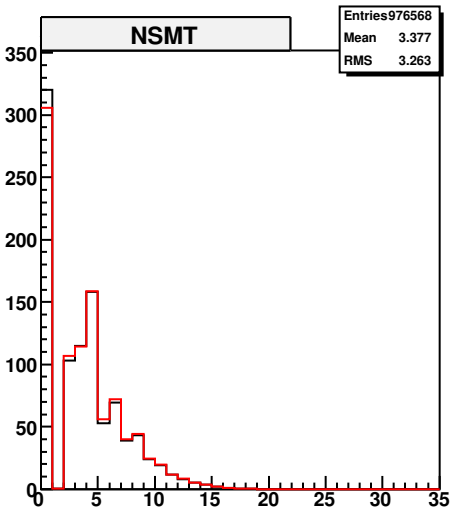


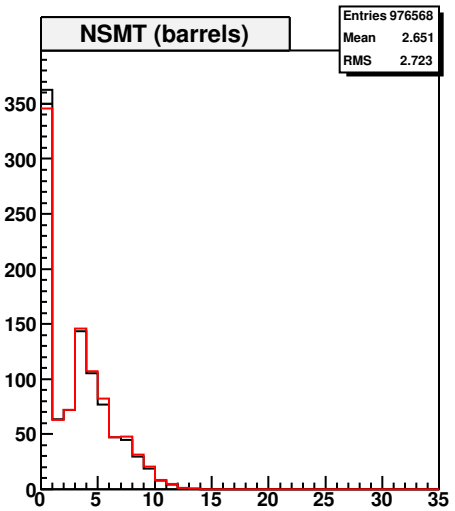


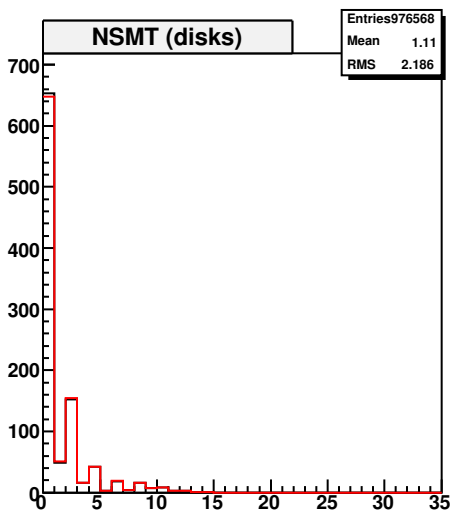


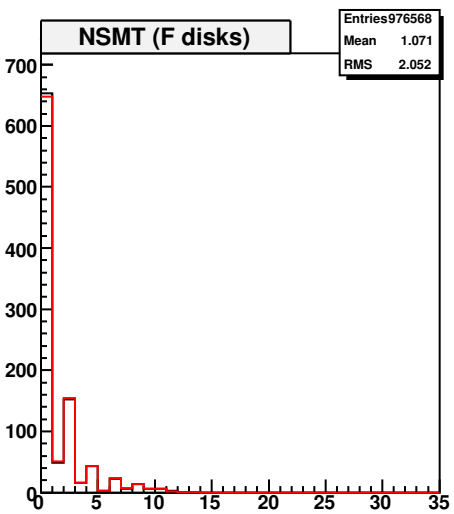
Tracks (Tight)

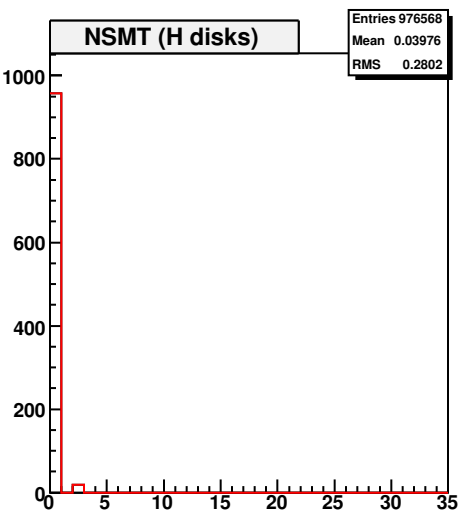


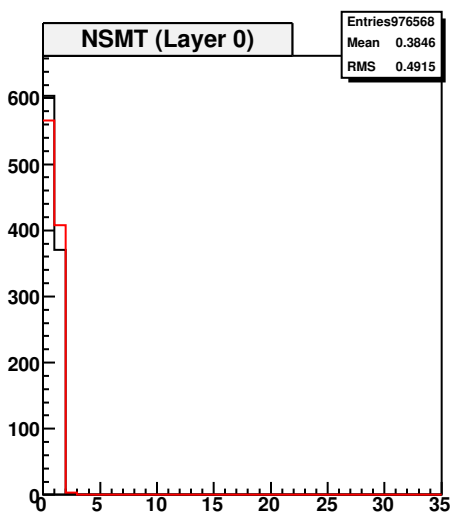




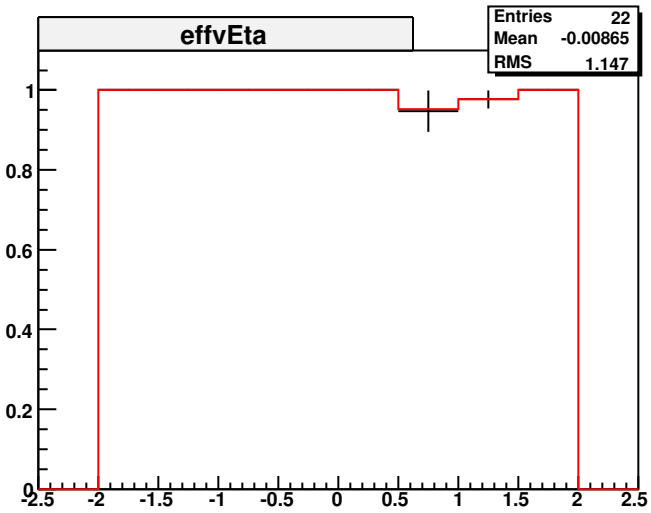


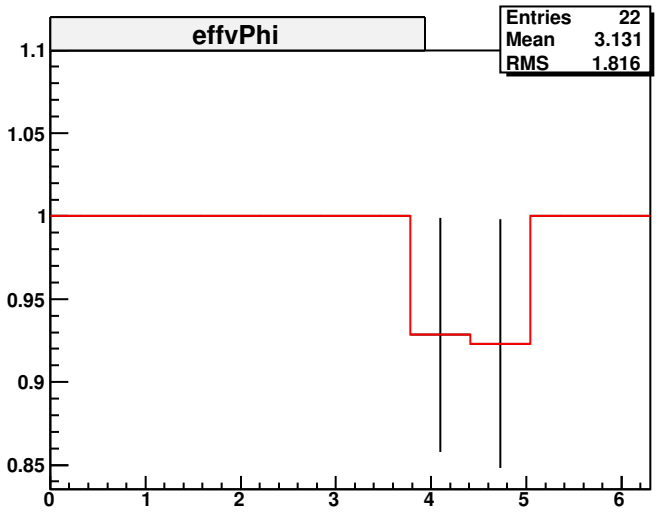


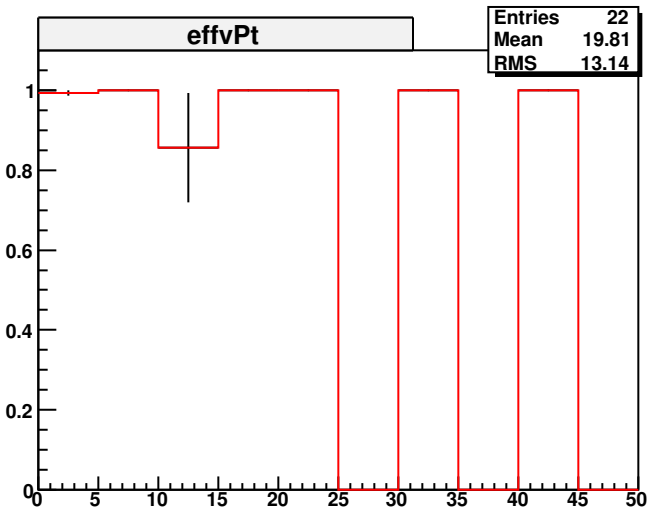


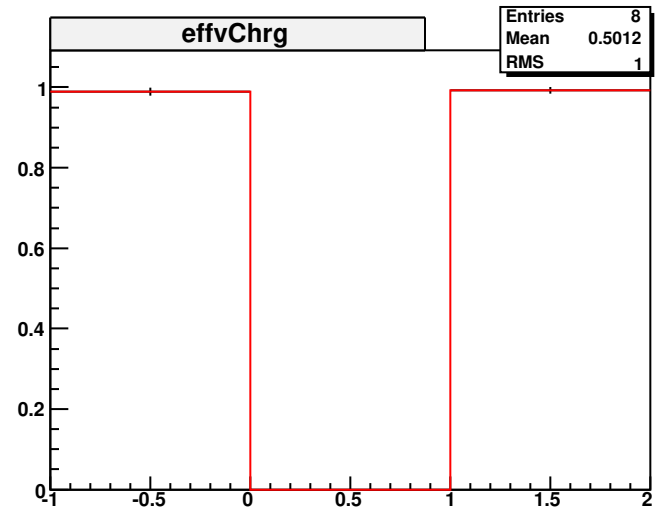


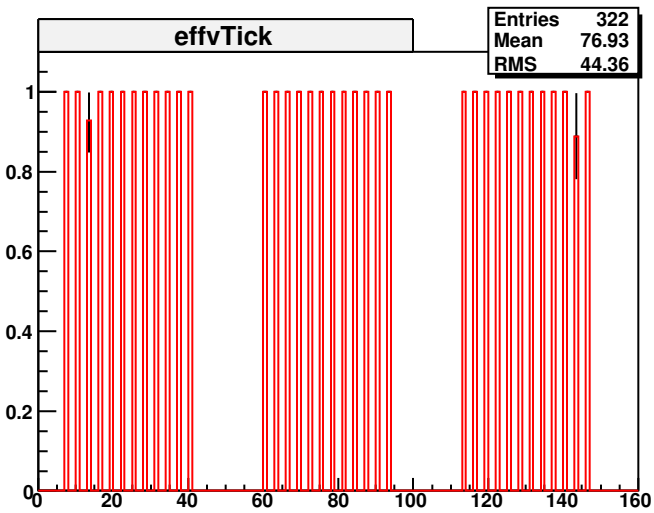
Track Hits (Tight)

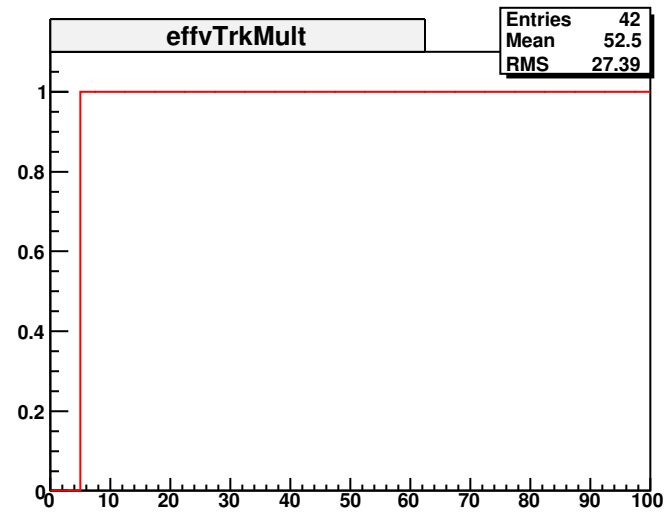




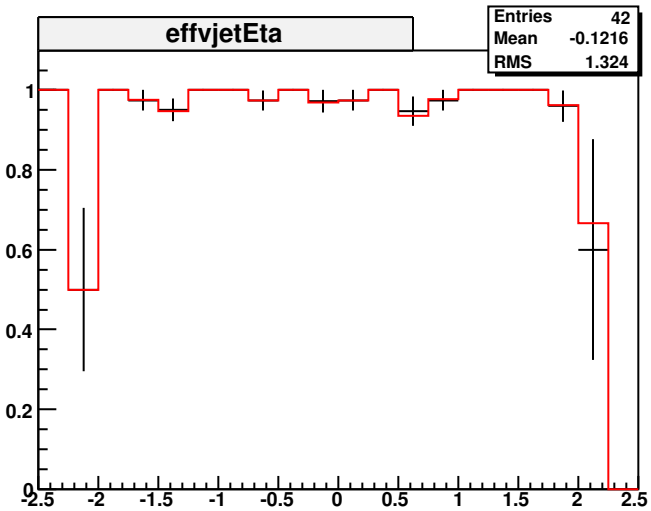


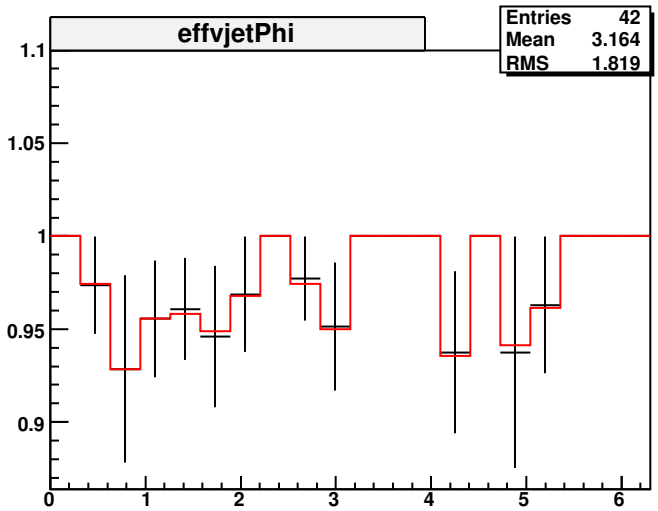


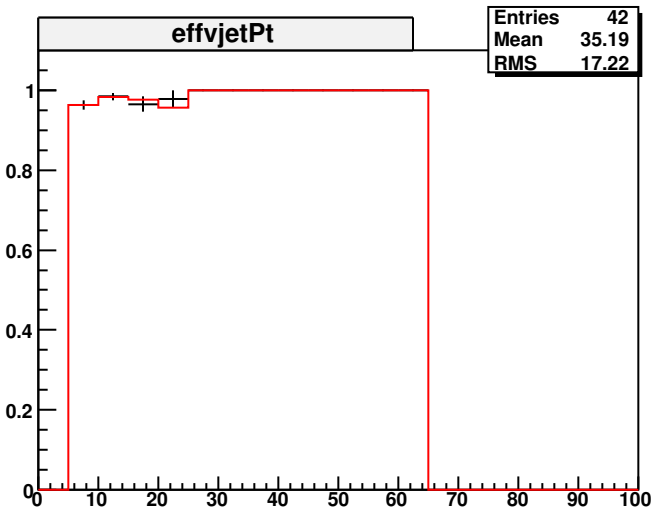




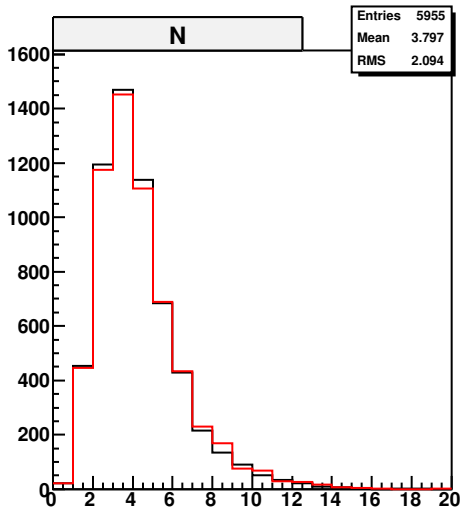
Tracking (Efficiency-Isolated)

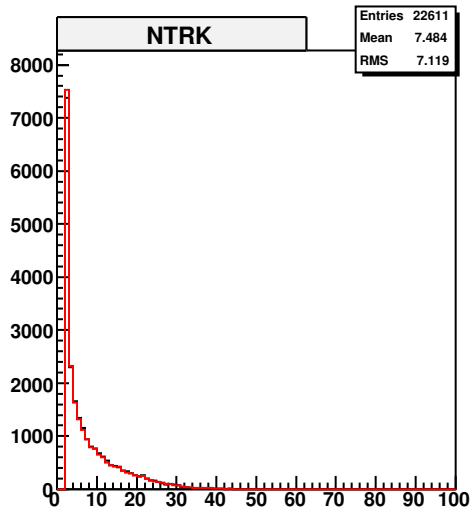


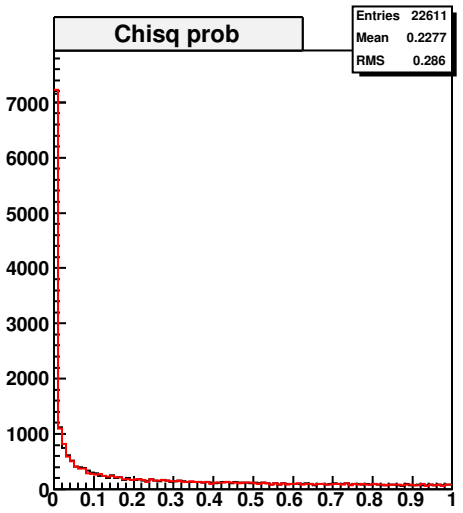


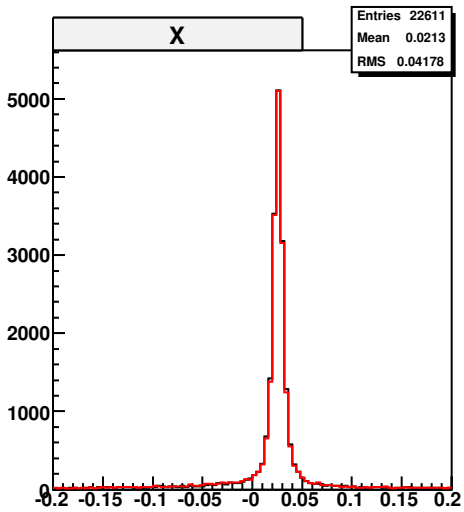


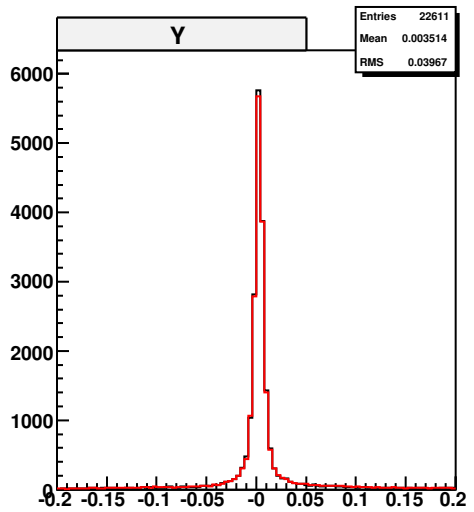
Tracking (Efficiency-InJets)

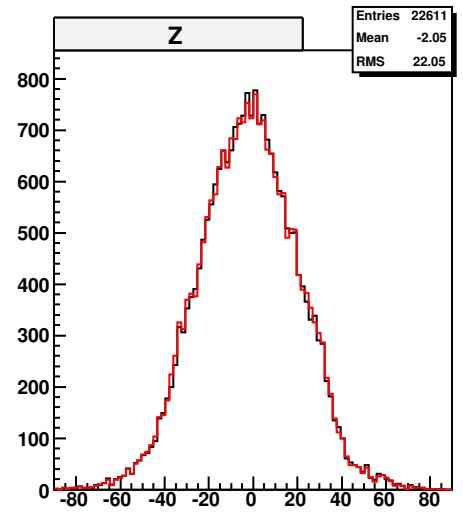


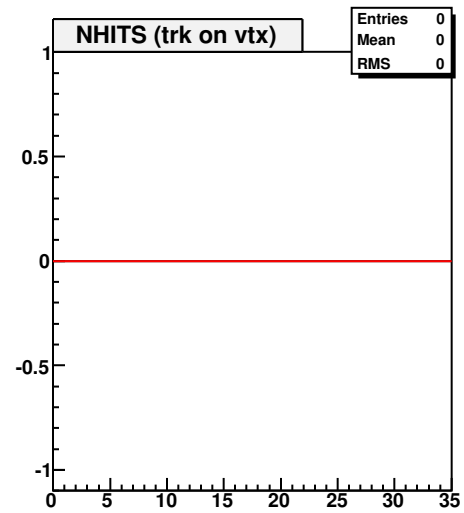


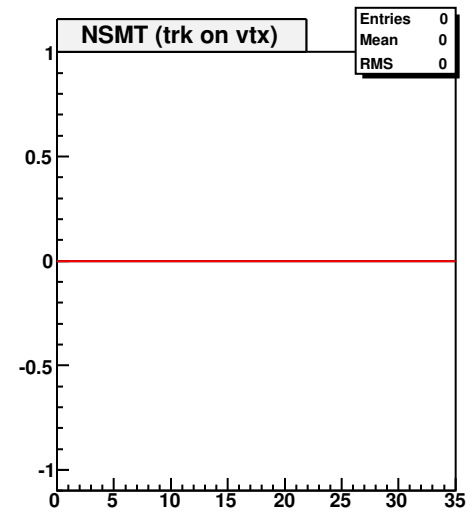


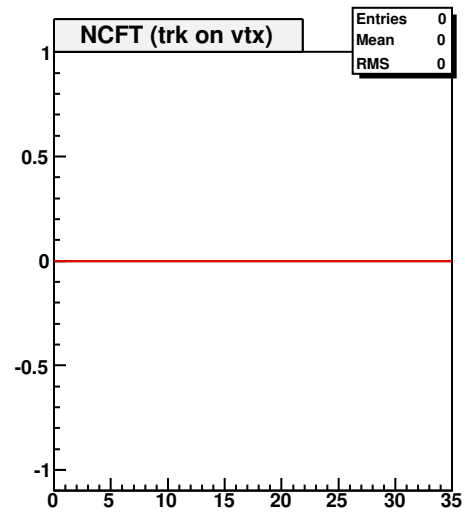




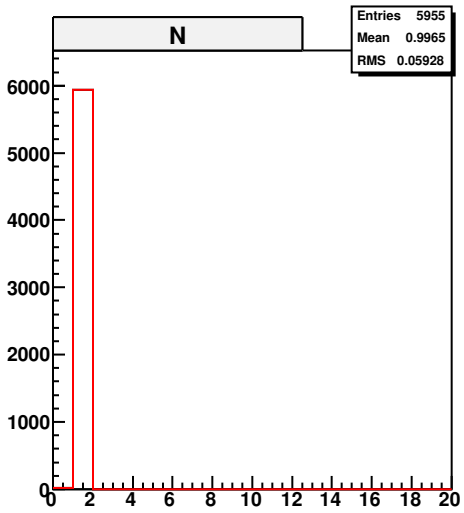


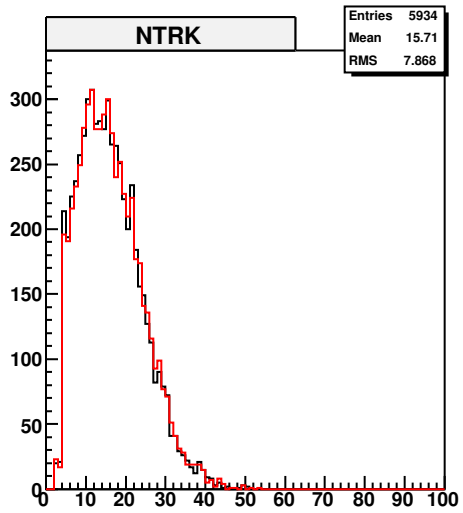


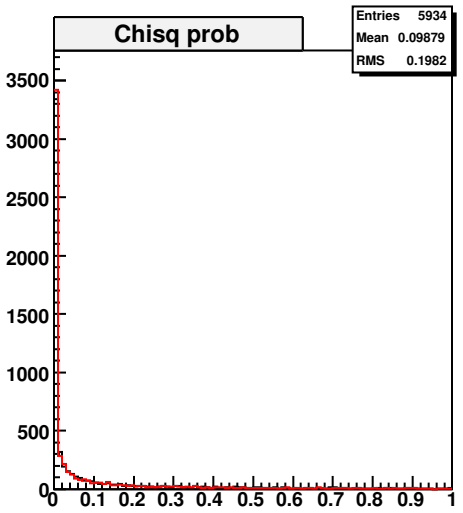


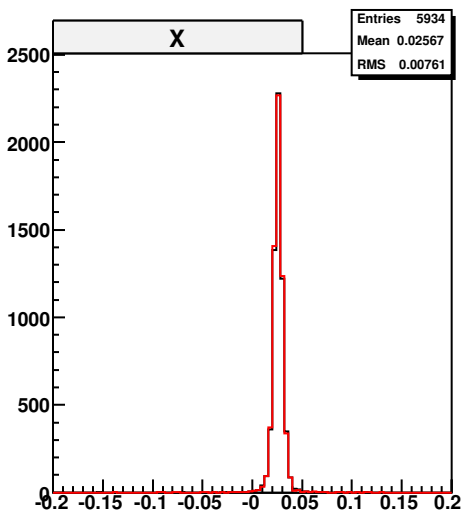


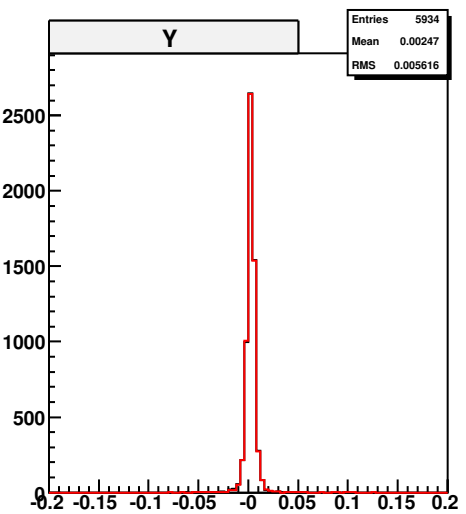
Vertices (Primary - all candidates)

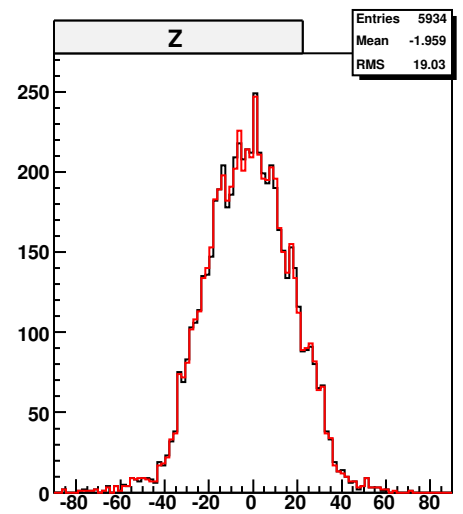


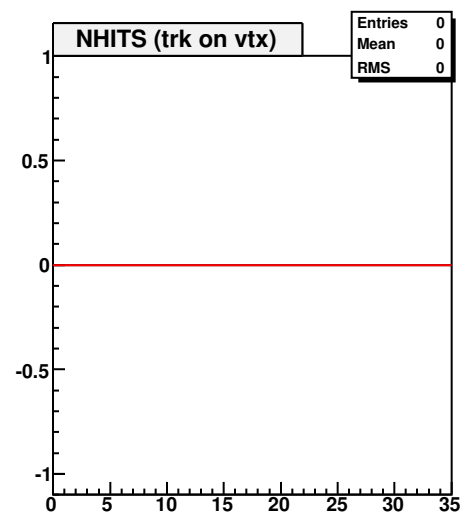


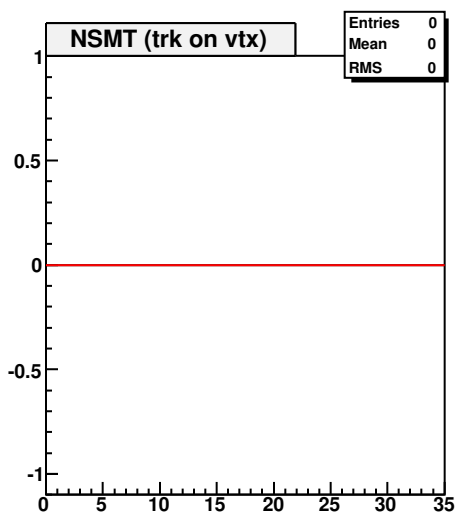


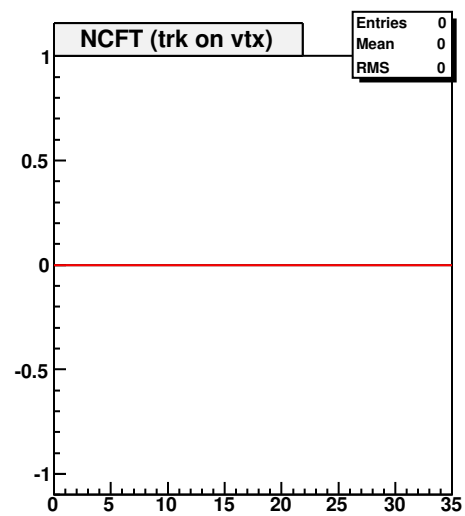




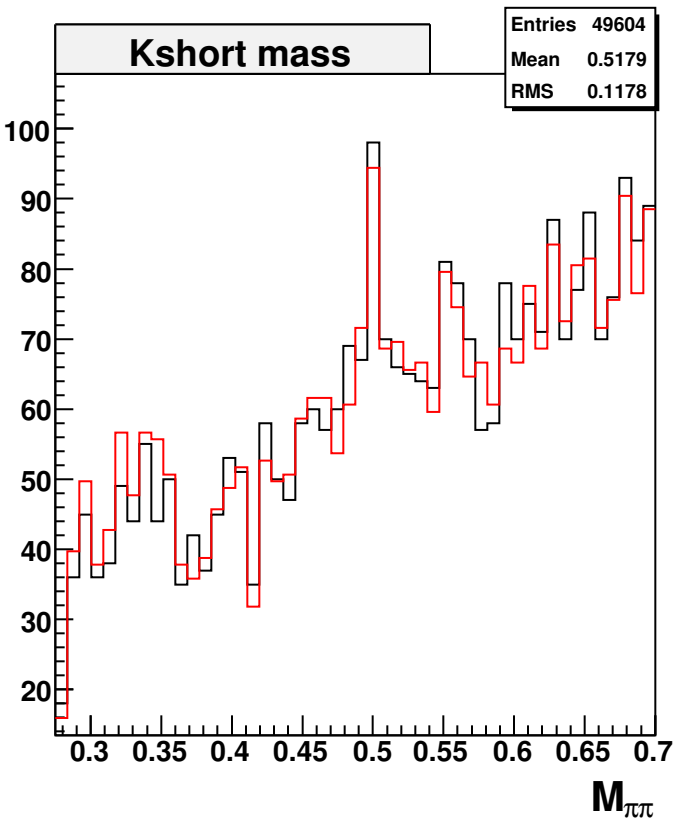


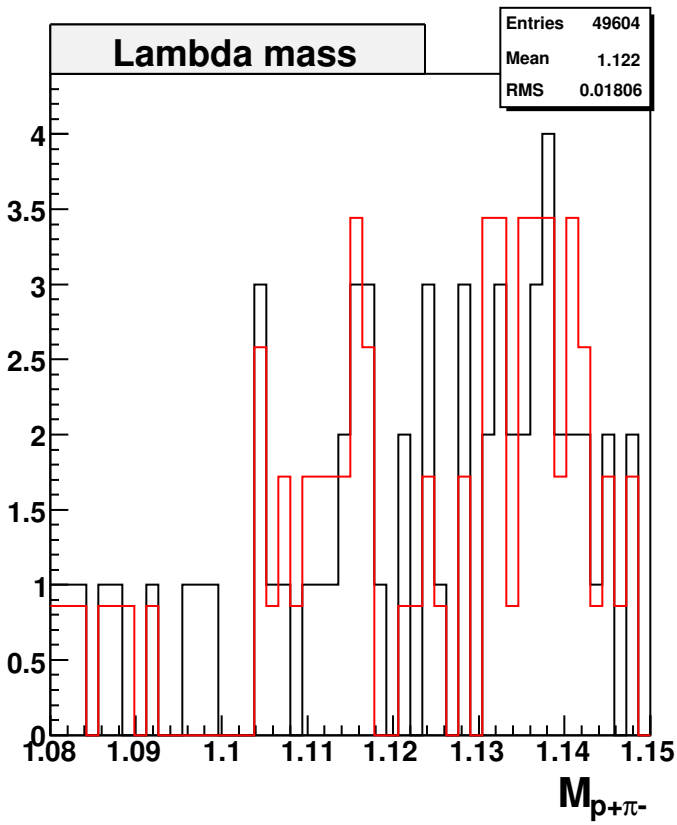


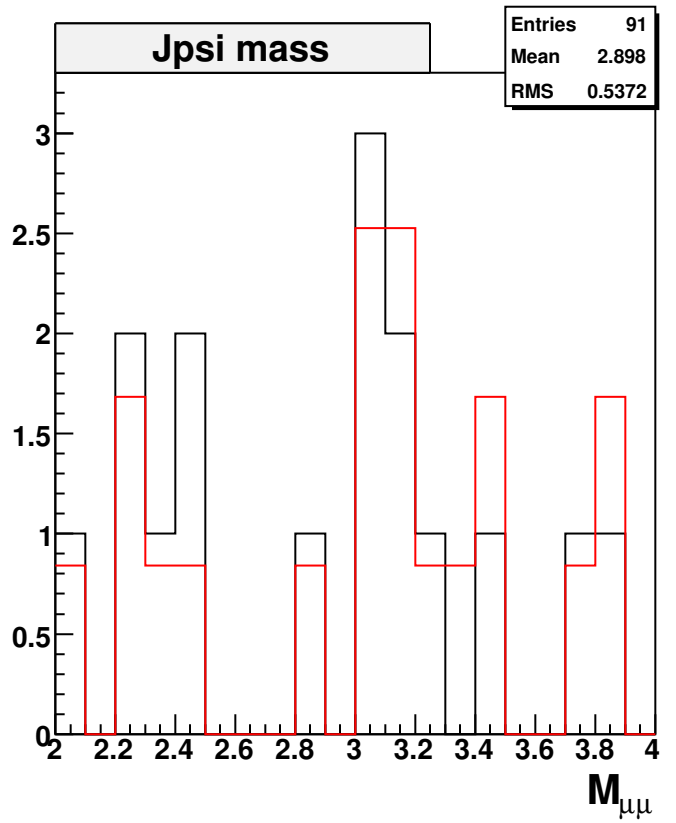


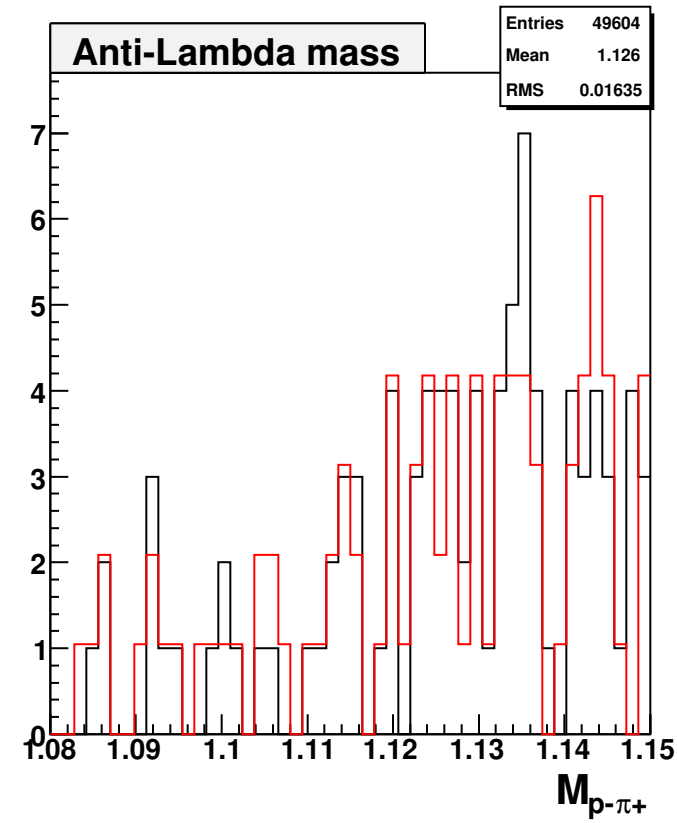


Vertices (Primary - best)

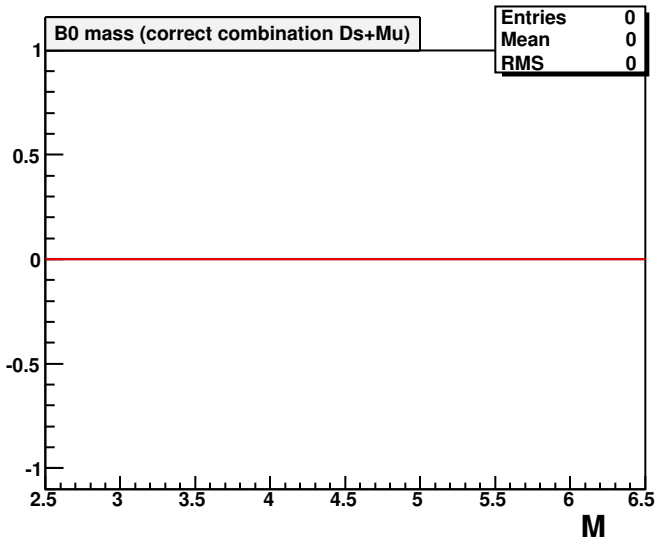

Kshort mass
Entries 49604
Mean 0.5179
RMS 0.1178
100
90
80
70
60
50
40
30
20
0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7
Mππ

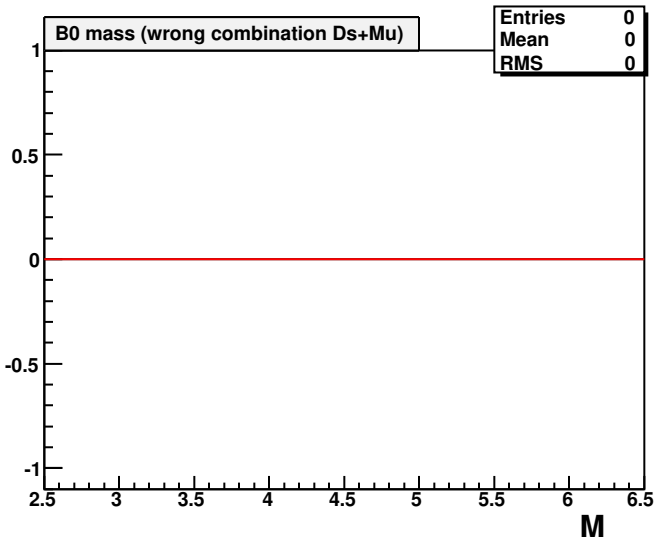

Lambda mass
Entries 49604
Mean 1.122
RMS 0.01806
4
3.5
3
2.5
2
1.5
1
0.5
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp+π-

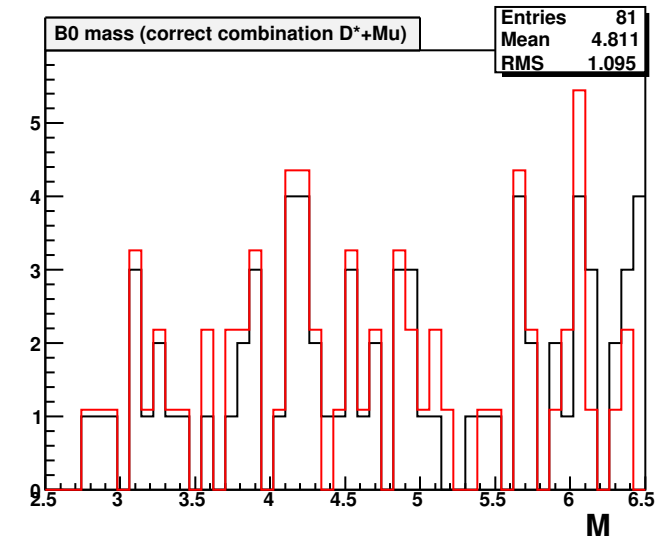

Jpsi mass
Entries 91
Mean 2.898
RMS 0.5372
3
2.5
2
1.5
1
0.5
0
2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4
Mμμ

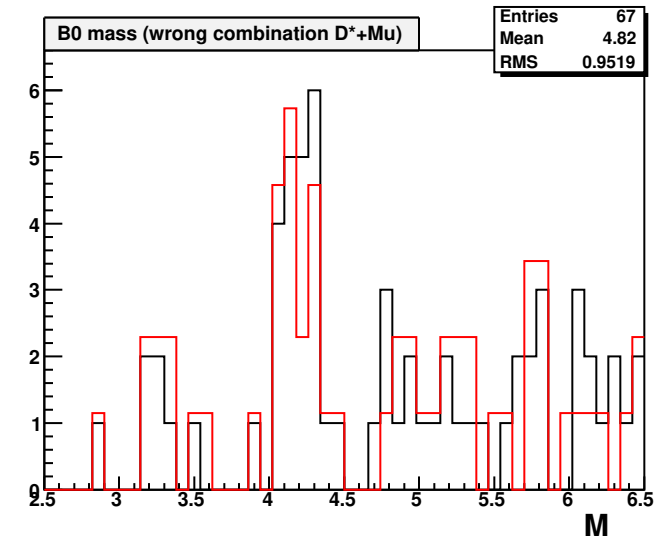

Anti-Lambda mass
Entries 49604
Mean 1.126
RMS 0.01635
7
6
5
4
3
2
1
0
1.08 1.09 1.1 1.11 1.12 1.13 1.14 1.15
Mp-π+

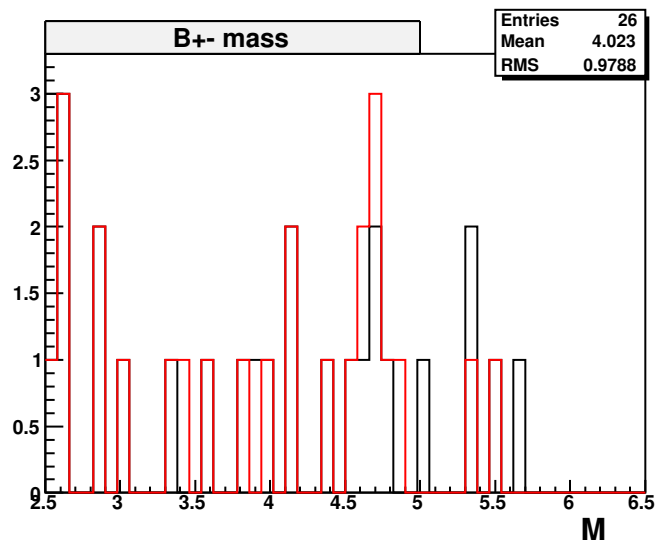
V0 (All)



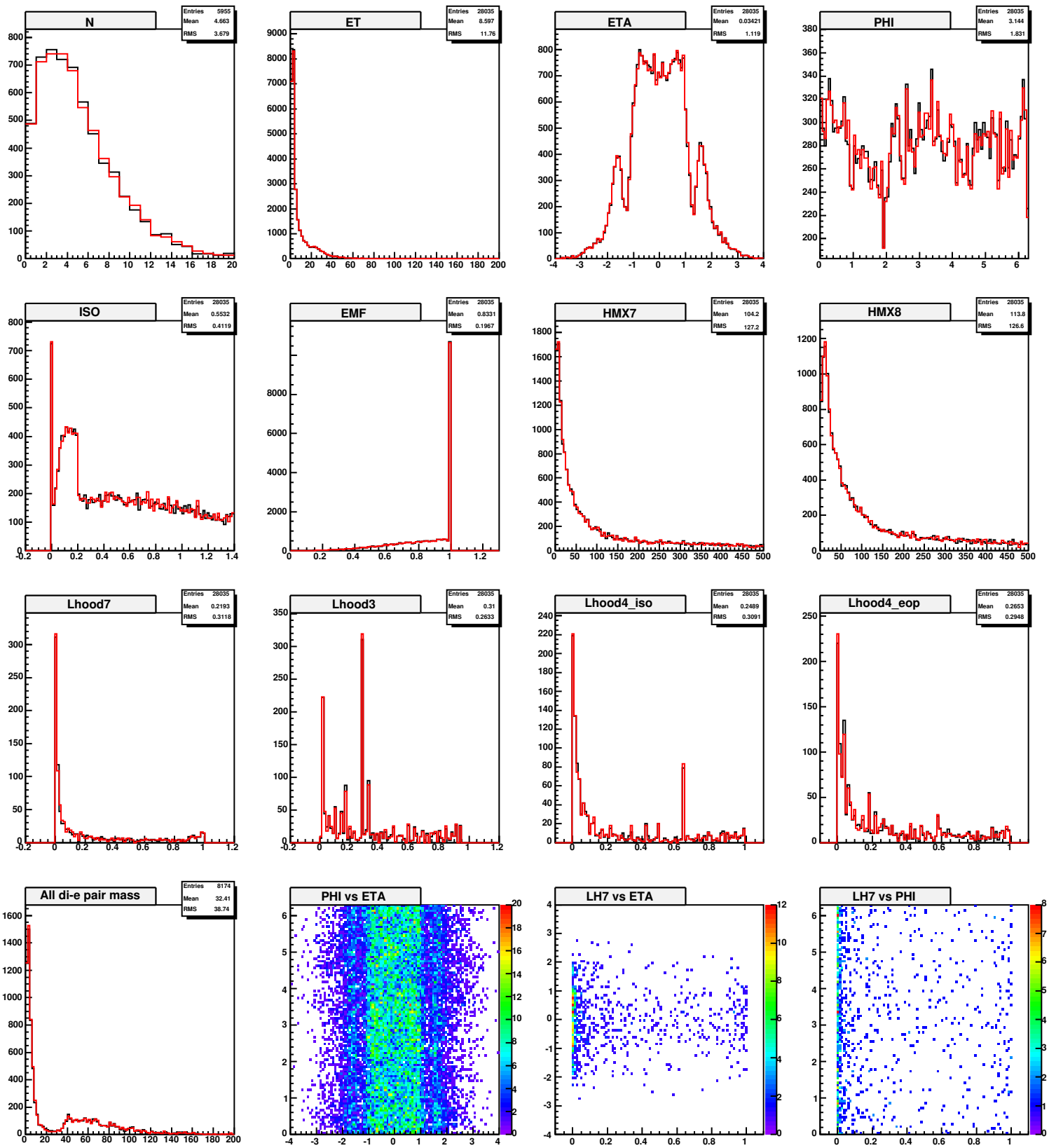




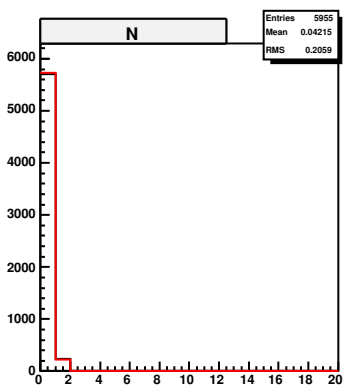


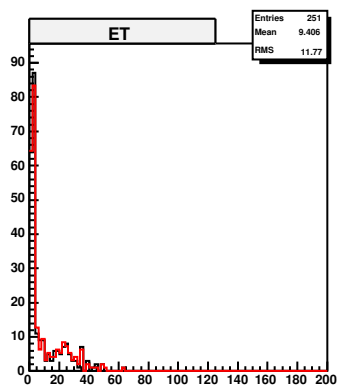


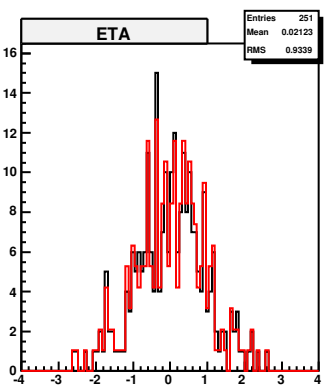
V0(B mesons) (All)

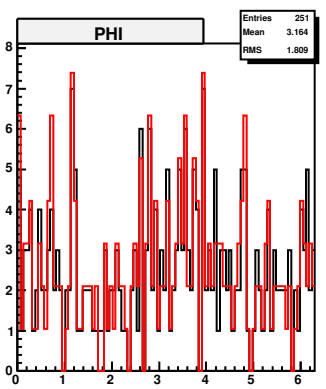


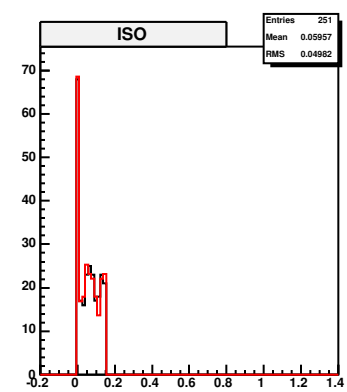
Electrons (SCONE All)

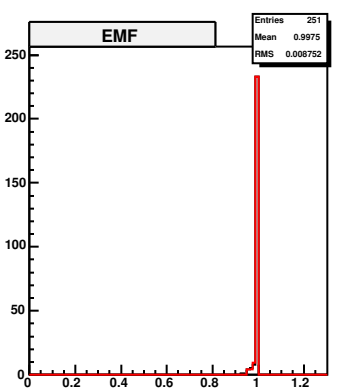


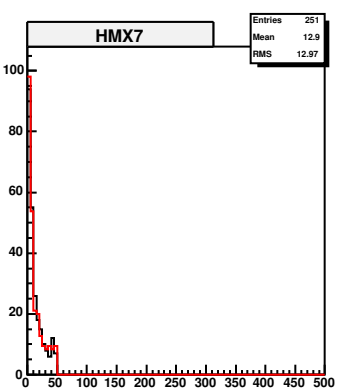


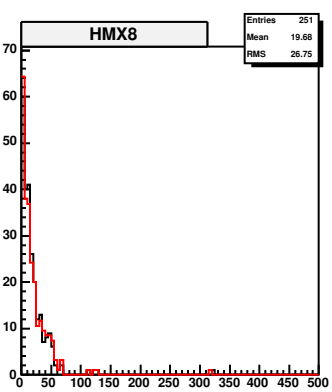


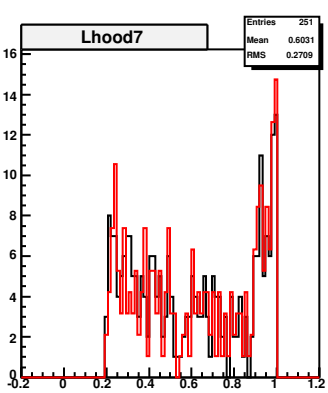


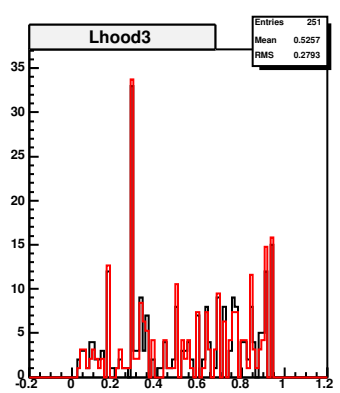


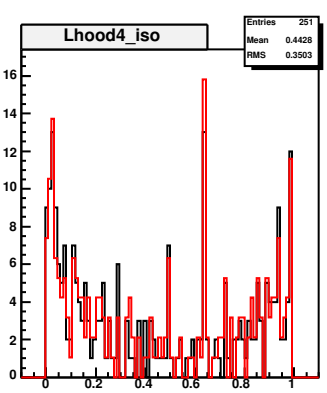


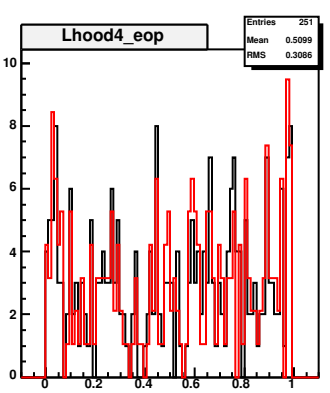


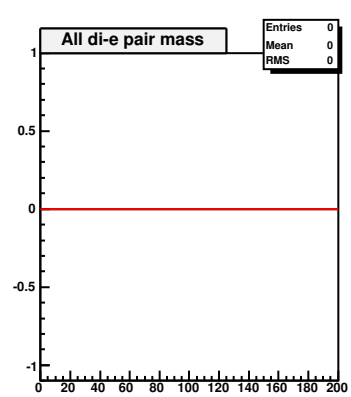


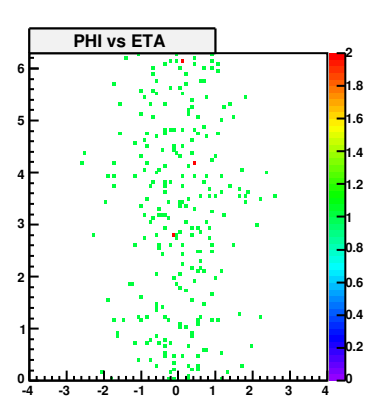


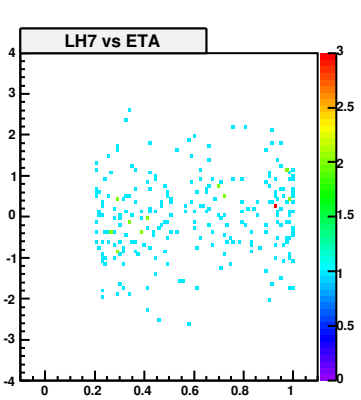


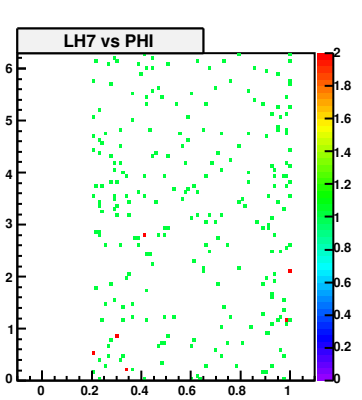




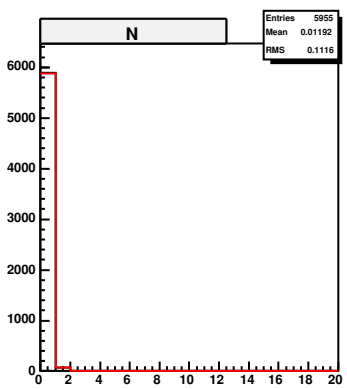


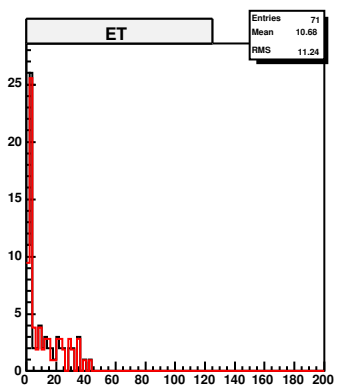


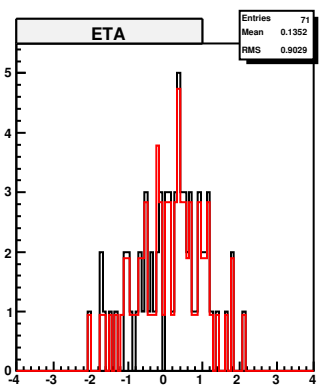


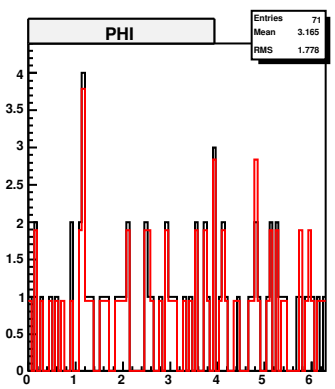


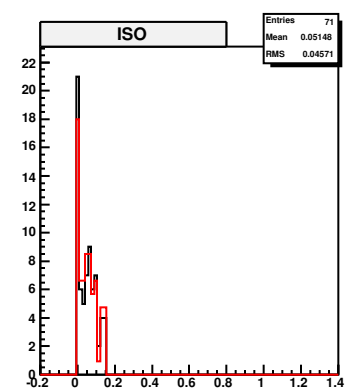
Electrons (SCONE Loose)

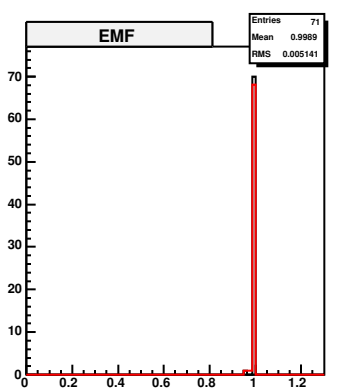


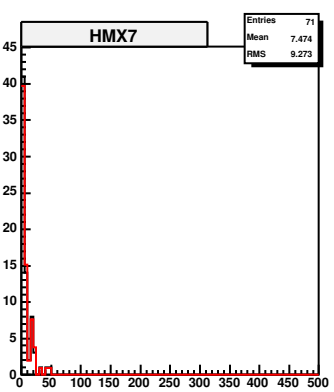


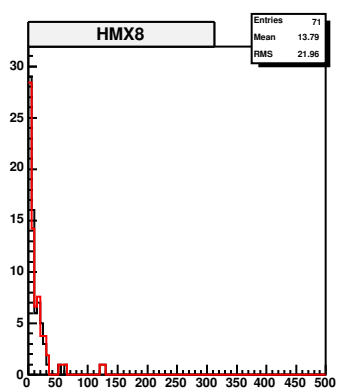


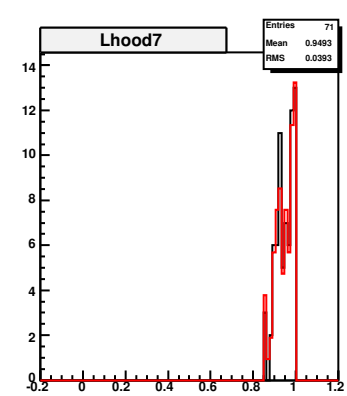


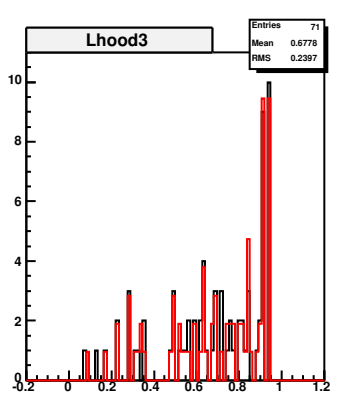


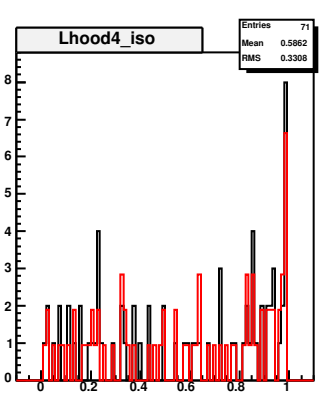


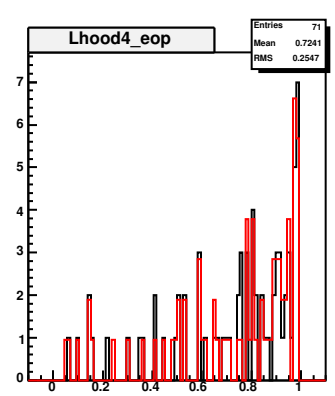


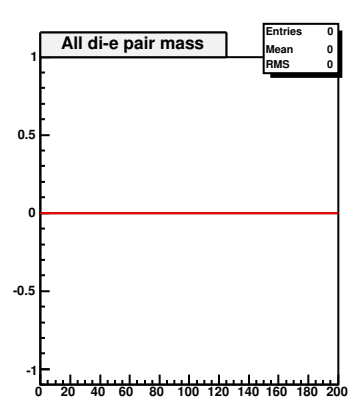


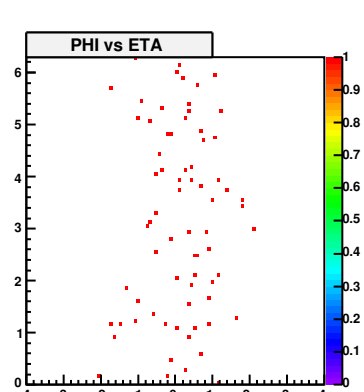


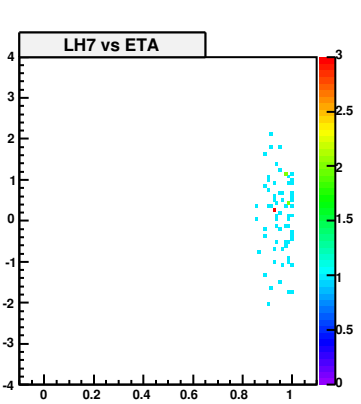


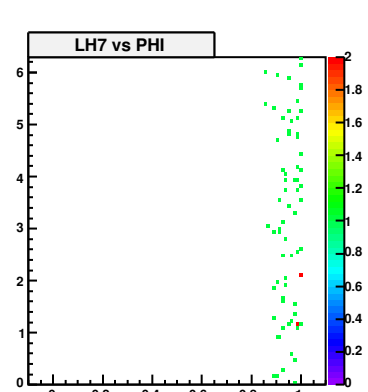




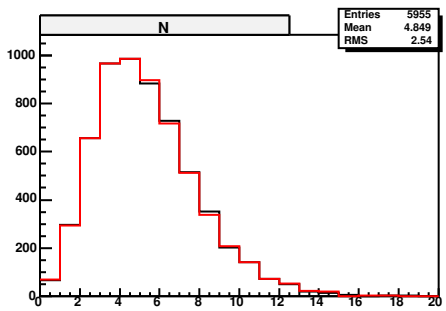


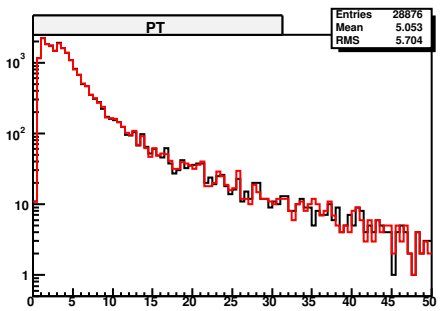


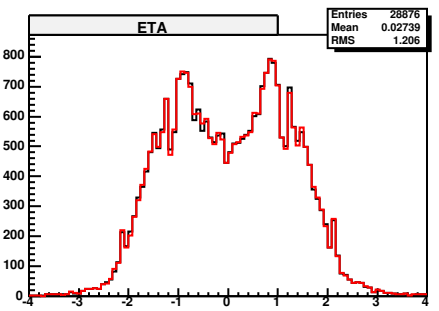


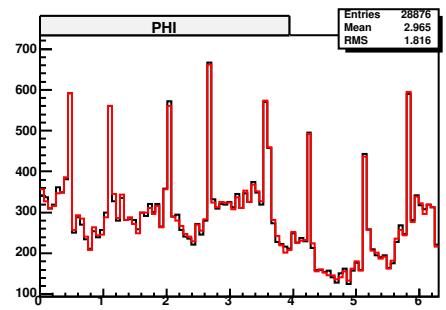


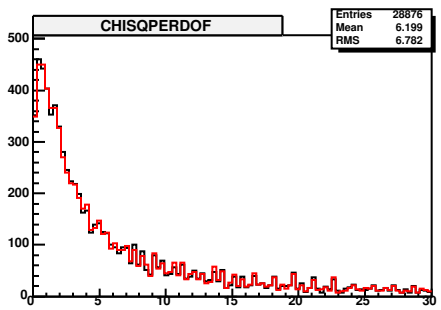
Electrons (SCONE Tight)

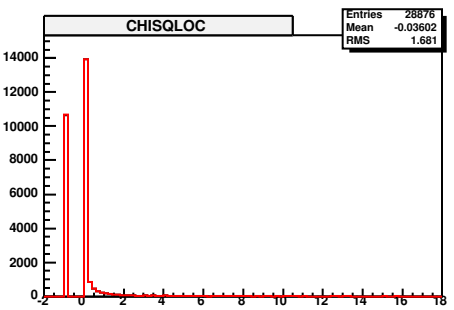

N
Entries 5955
Mean 4.849
RMS 2.54

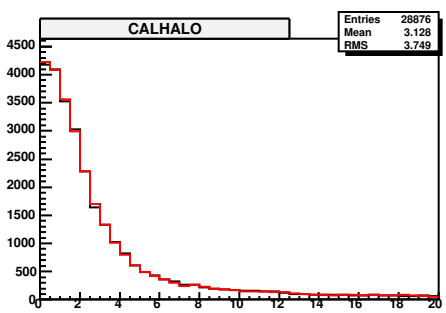

PT
Entries 28876
Mean 5.053
RMS 5.704

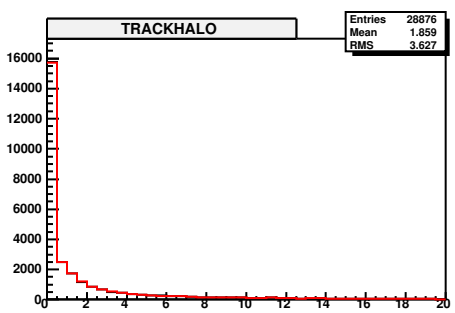

ETA
Entries 28876
Mean 0.02739
RMS 1.206

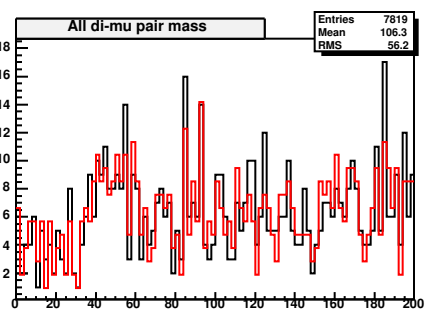

PHI
Entries 28876
Mean 2.965
RMS 1.816

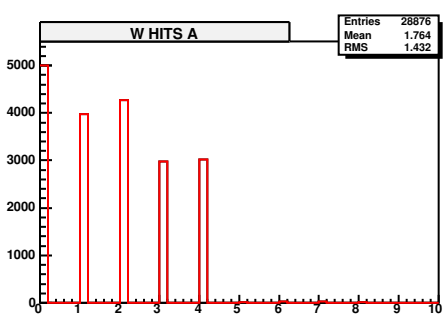

CHISQPERDOF
Entries 28876
Mean 6.199
RMS 6.782

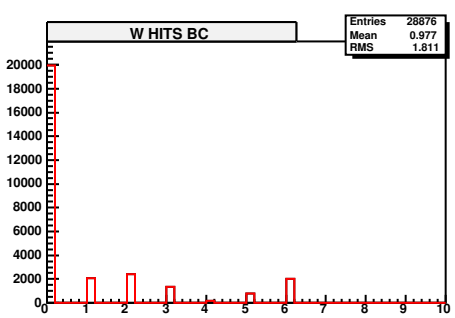

CHISQLOC
Entries 28876
Mean -0.03602
RMS 1.681

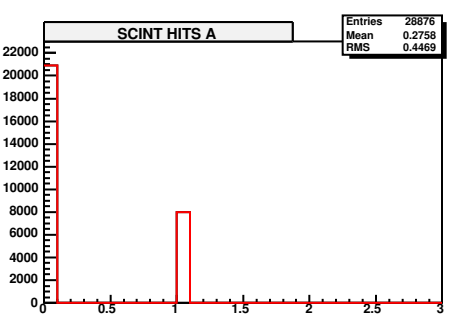

CALHALO
Entries 28876
Mean 3.128
RMS 3.749

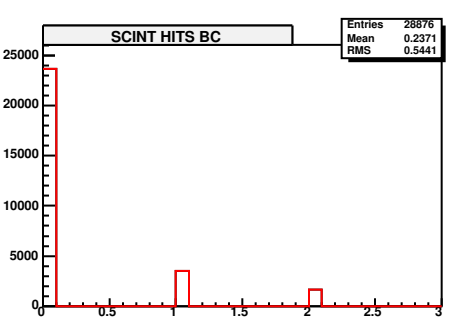

TRACKHALO
Entries 28876
Mean 1.859
RMS 3.627


All di-mu pair mass
Entries 7819
Mean 106.3
RMS 56.2

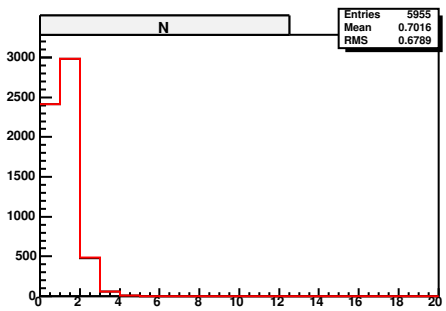

W HITS A
Entries 28876
Mean 1.764
RMS 1.432

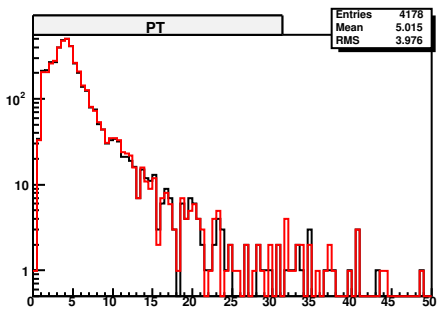

W HITS BC
Entries 28876
Mean 0.977
RMS 1.811

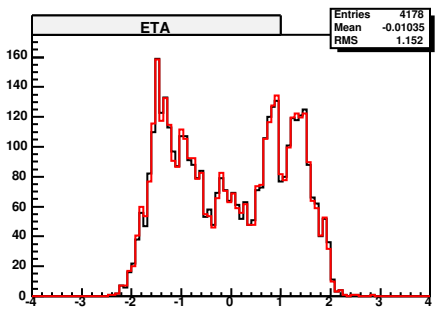

SCINT HITS A
Entries 28876
Mean 0.2758
RMS 0.4469

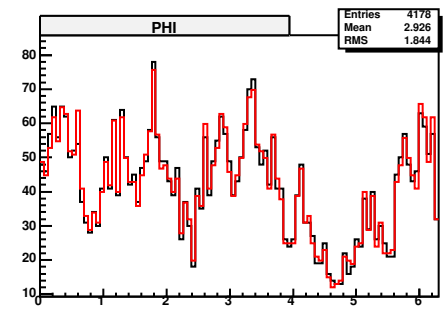

SCINT HITS BC
Entries 28876
Mean 0.2371
RMS 0.5441

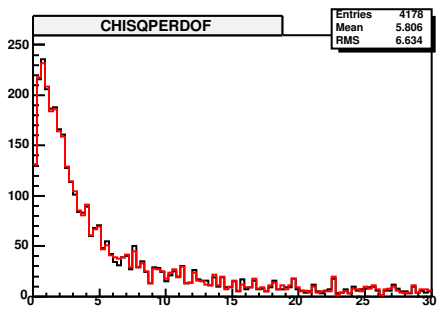
Muons (All)

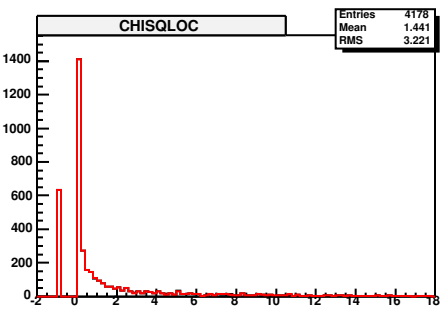


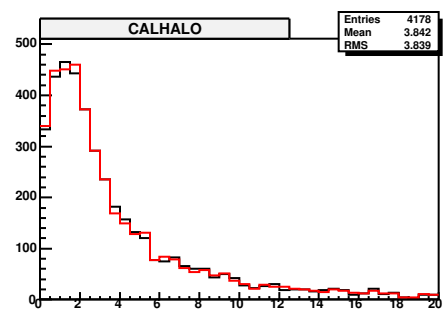


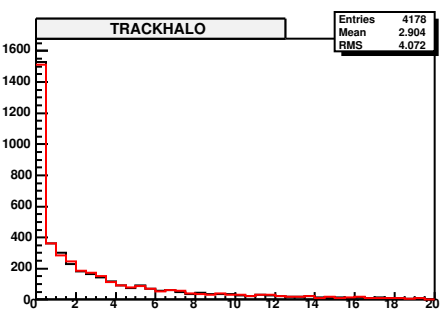


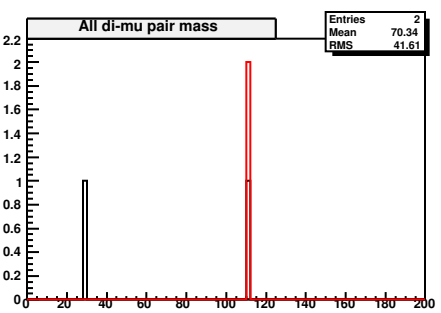


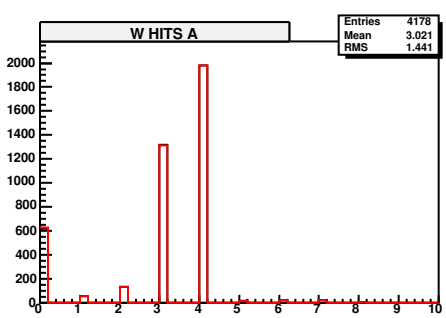


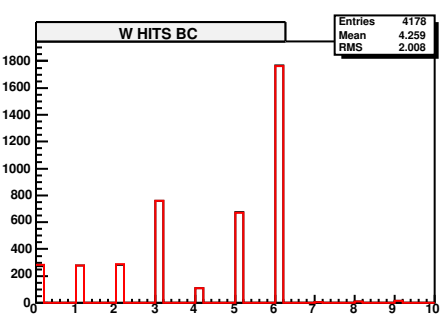


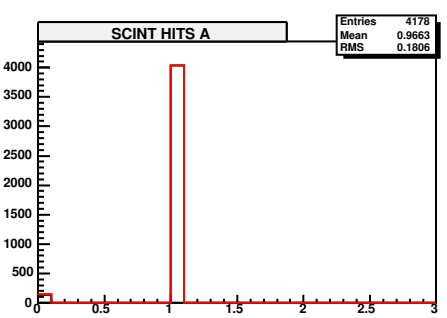


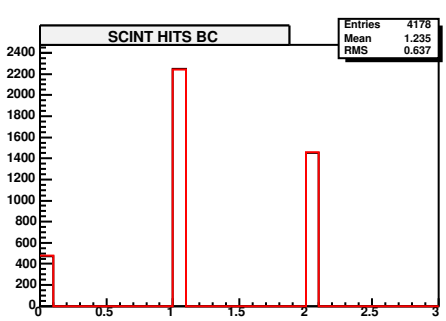




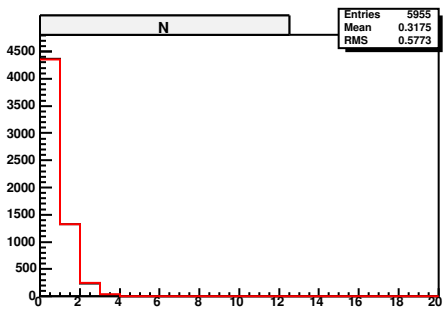


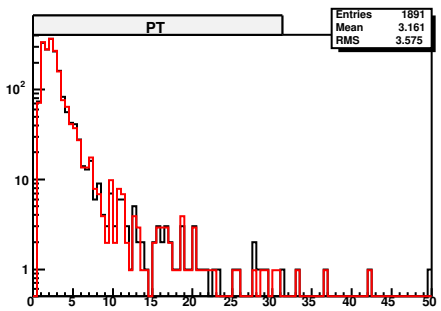


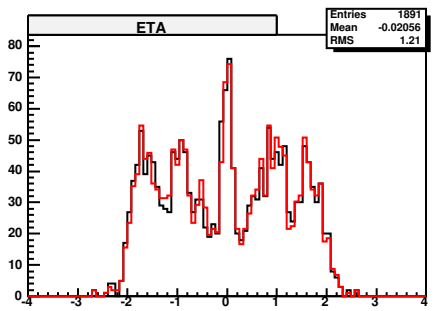


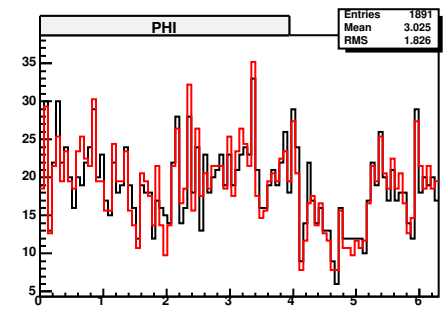


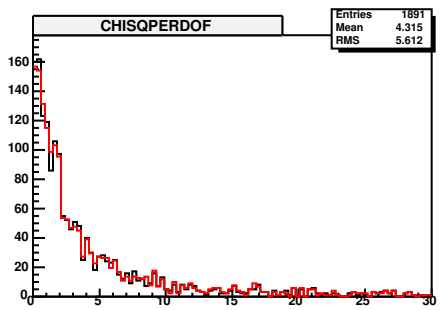
Muons (Matched)

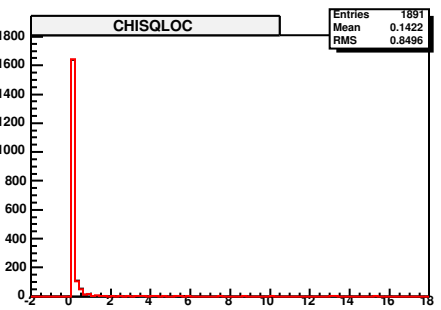

N
Entries 5955
Mean 0.3175
RMS 0.5773

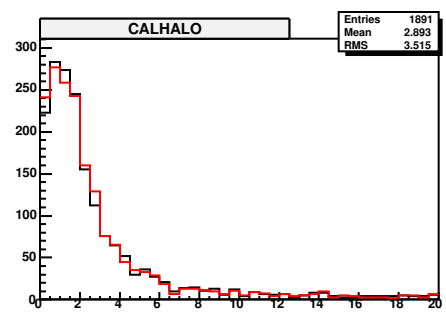

PT
Entries 1891
Mean 3.161
RMS 3.575

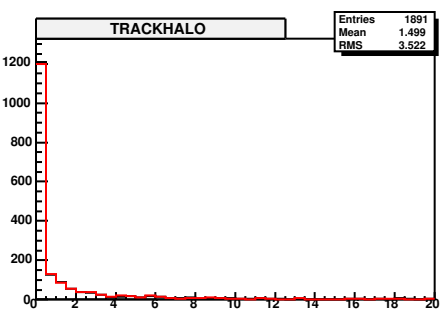

ETA
Entries 1891
Mean -0.02056
RMS 1.21

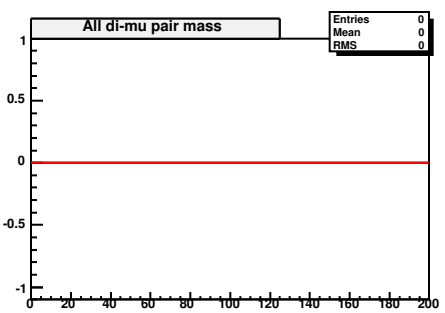

PHI
Entries 1891
Mean 3.025
RMS 1.826

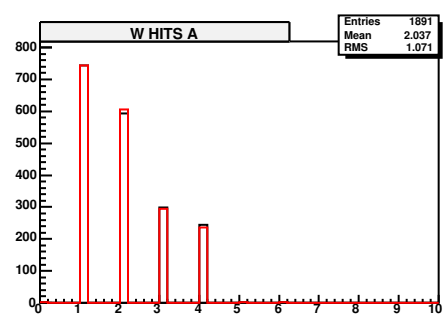

CHISQPERDOF
Entries 1891
Mean 4.315
RMS 5.612

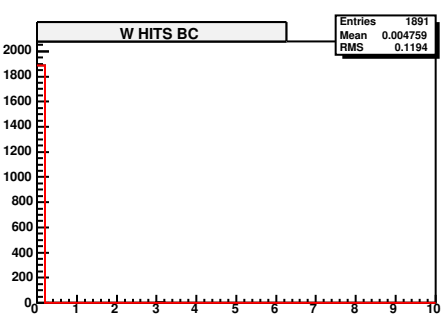

CHISQLOC
Entries 1891
Mean 0.1422
RMS 0.8496

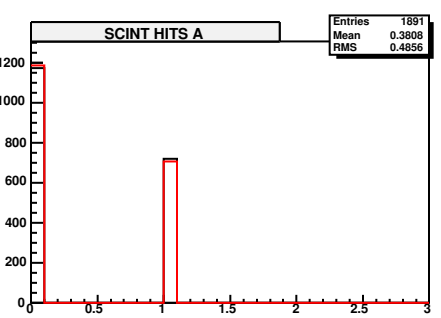

CALHALO
Entries 1891
Mean 2.893
RMS 3.515

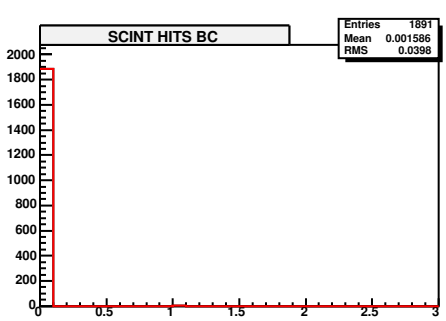

TRACKHALO
Entries 1891
Mean 1.499
RMS 3.522


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

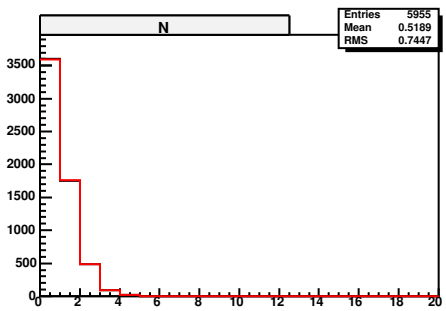

W HITS A
Entries 1891
Mean 2.037
RMS 1.071

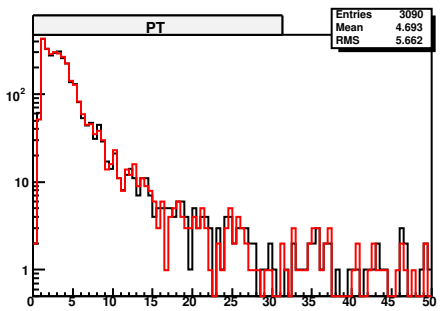

W HITS BC
Entries 1891
Mean 0.004759
RMS 0.1194

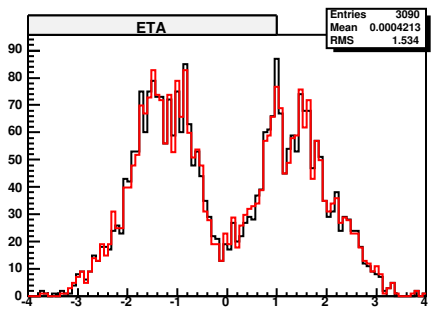

SCINT HITS A
Entries 1891
Mean 0.3808
RMS 0.4856

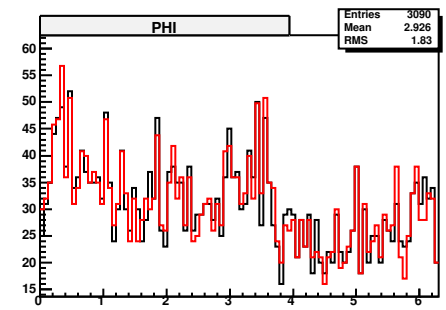

SCINT HITS BC
Entries 1891
Mean 0.001586
RMS 0.0398

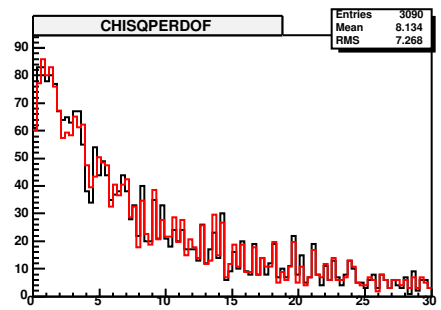
Muons (Astub)

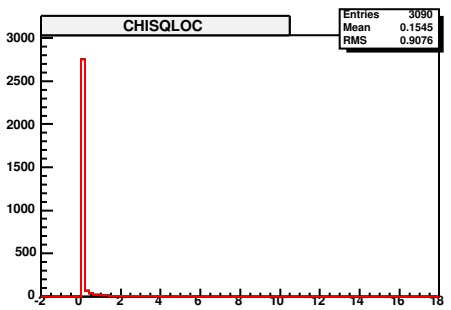


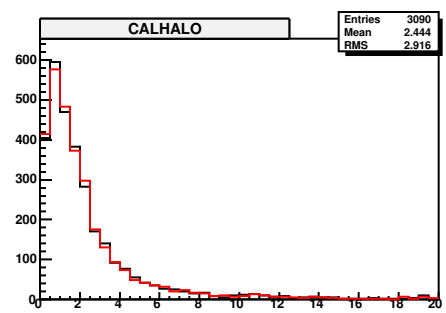


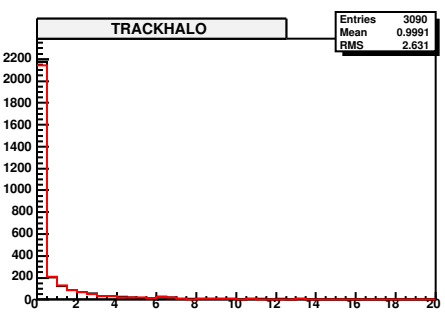


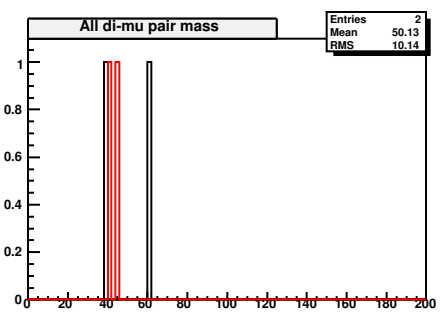


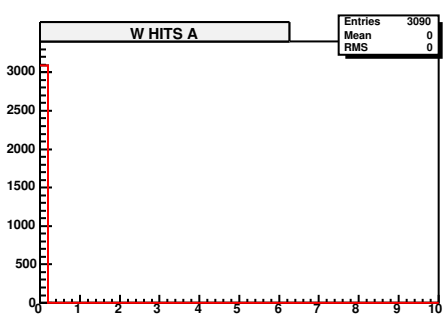


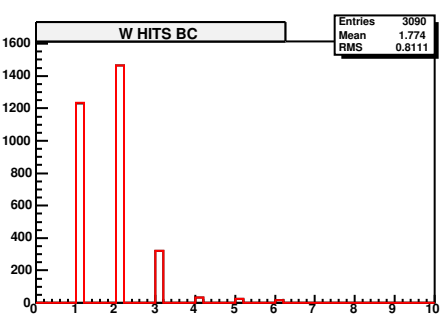


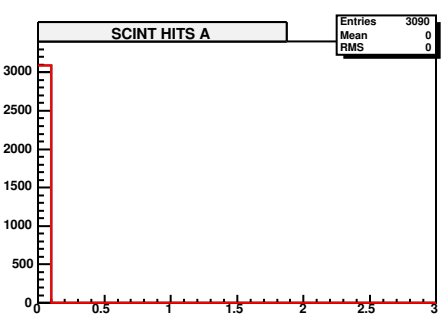


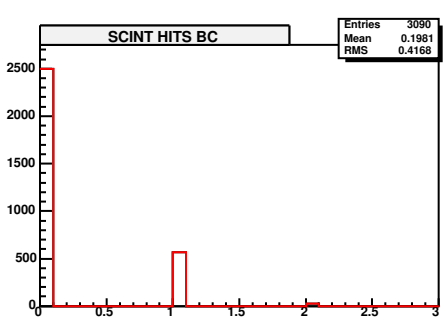




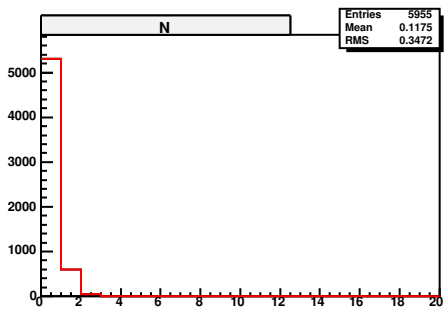


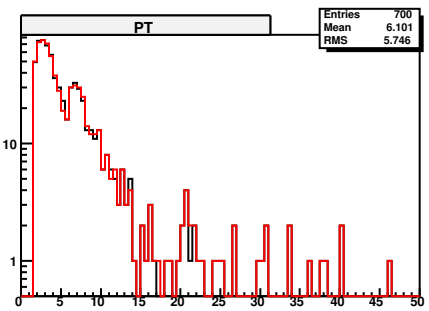


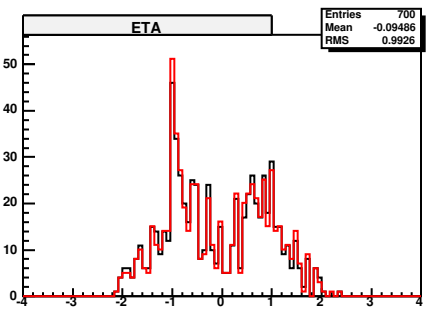


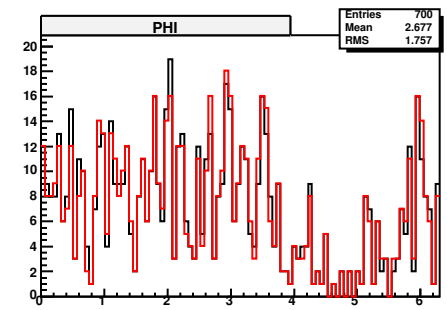


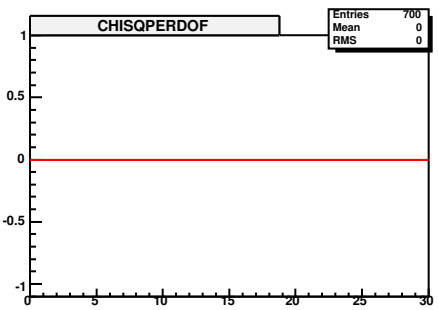
Muons (BCstub)

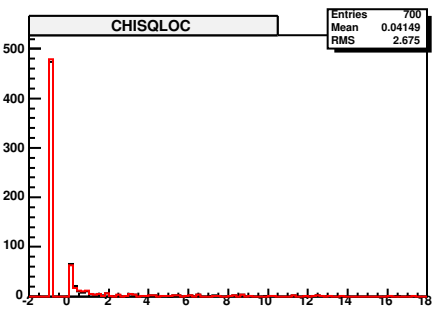


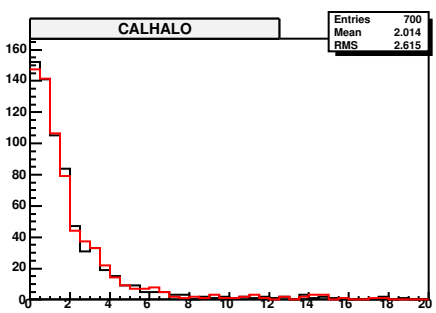


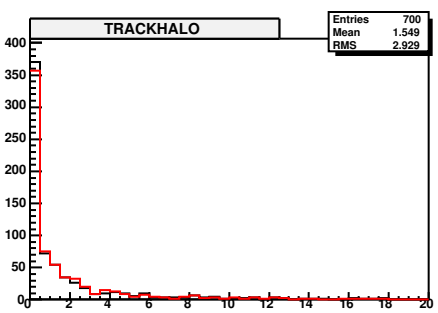


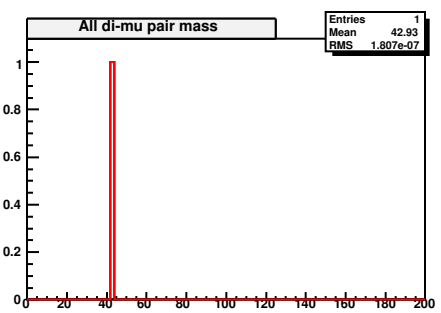


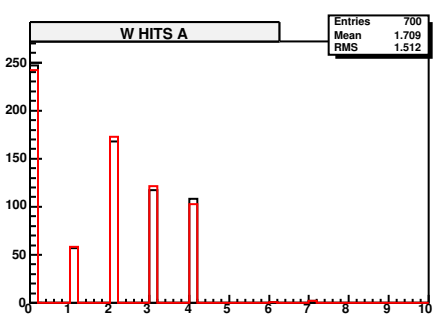


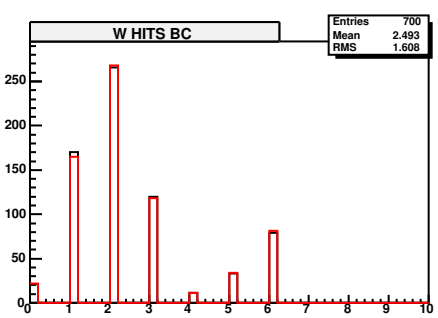


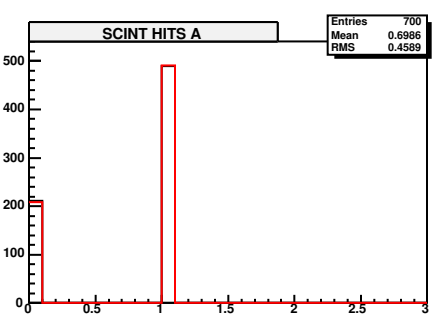


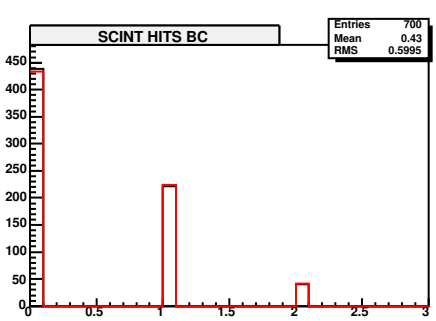












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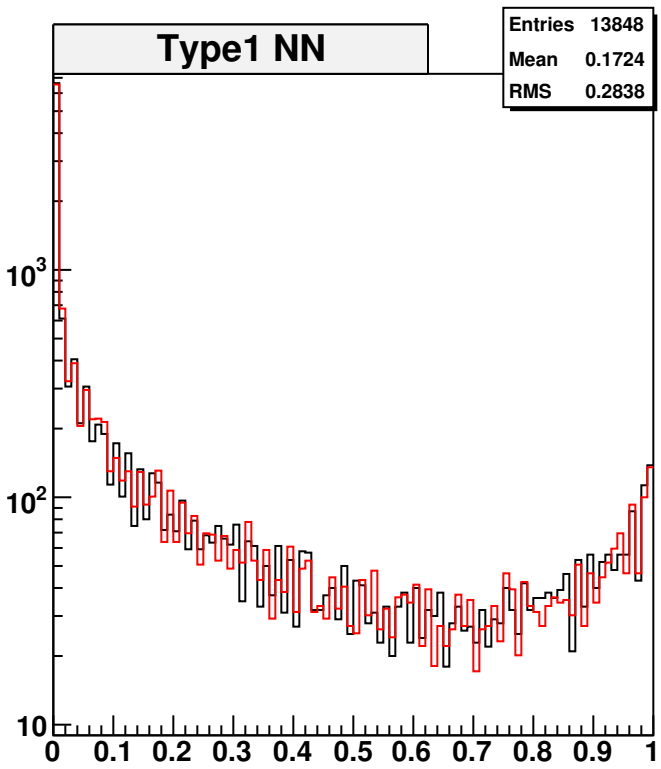
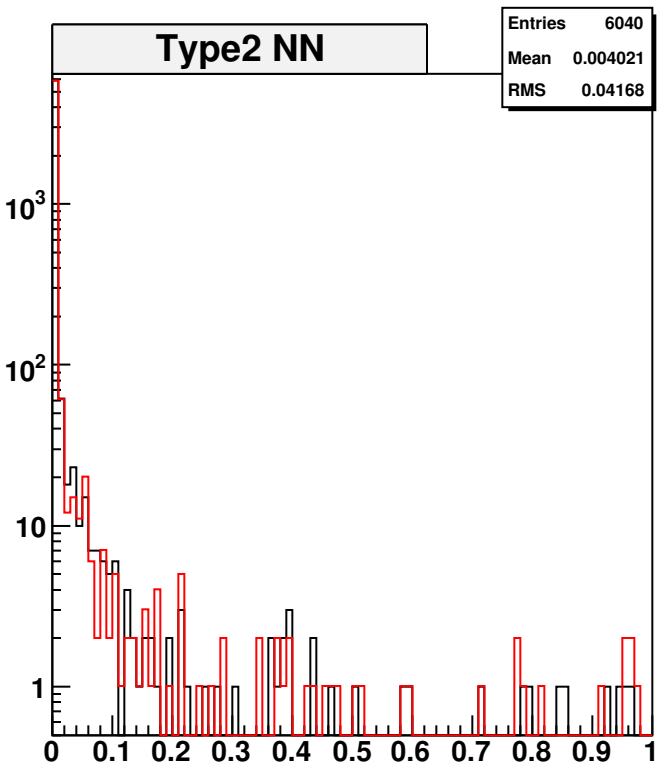
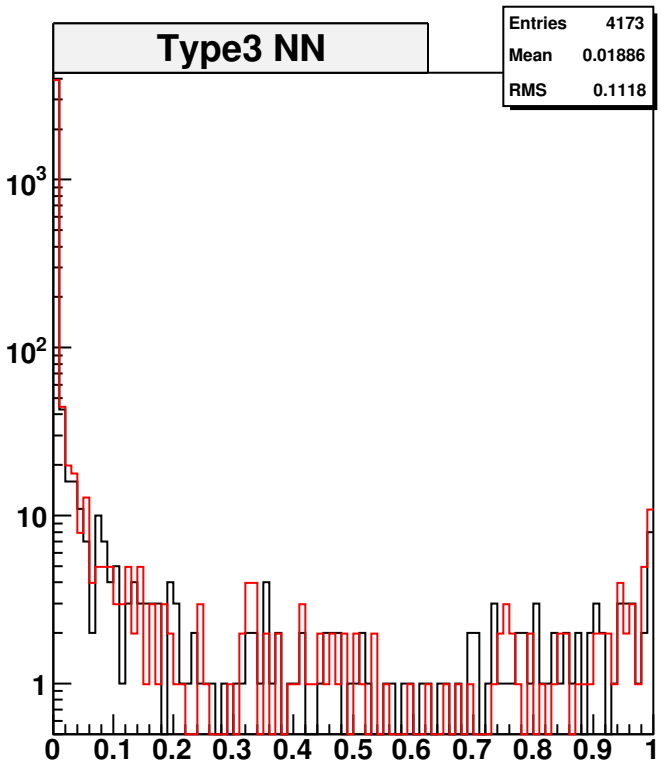
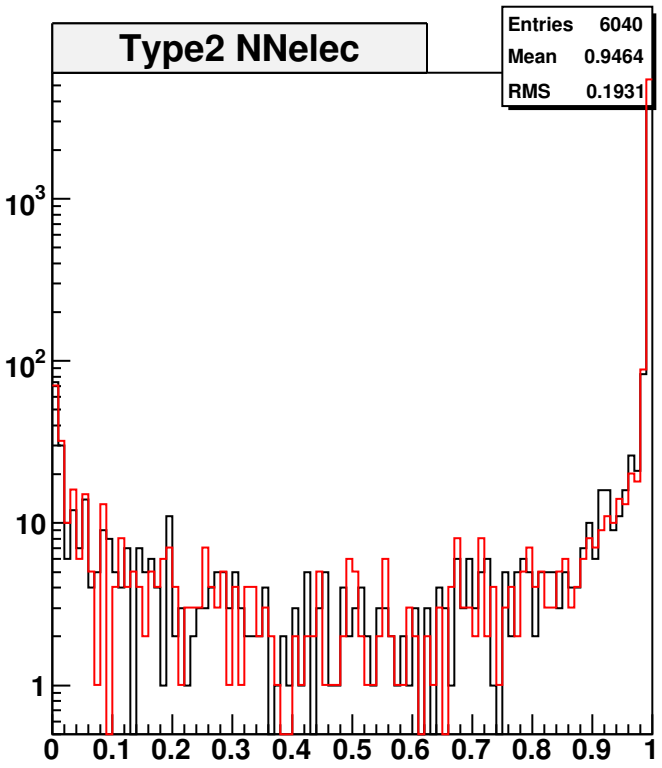
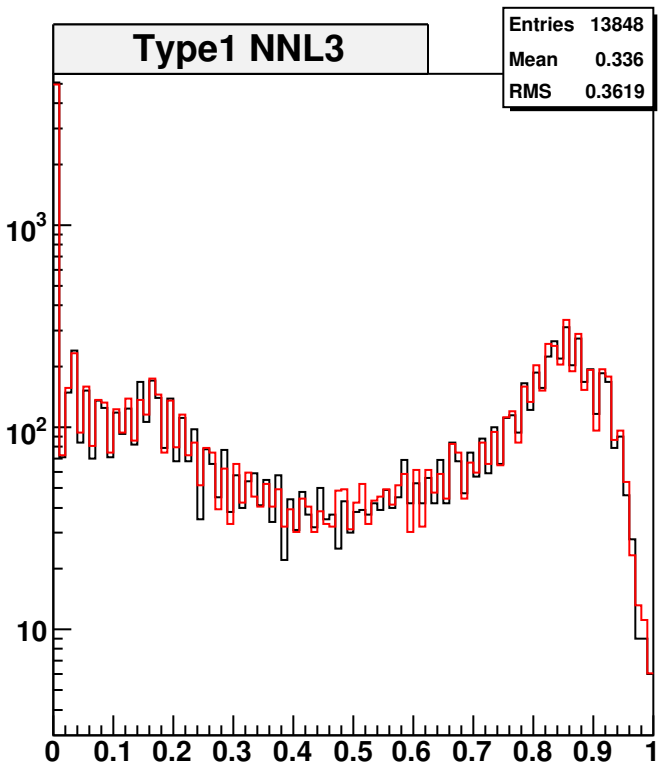


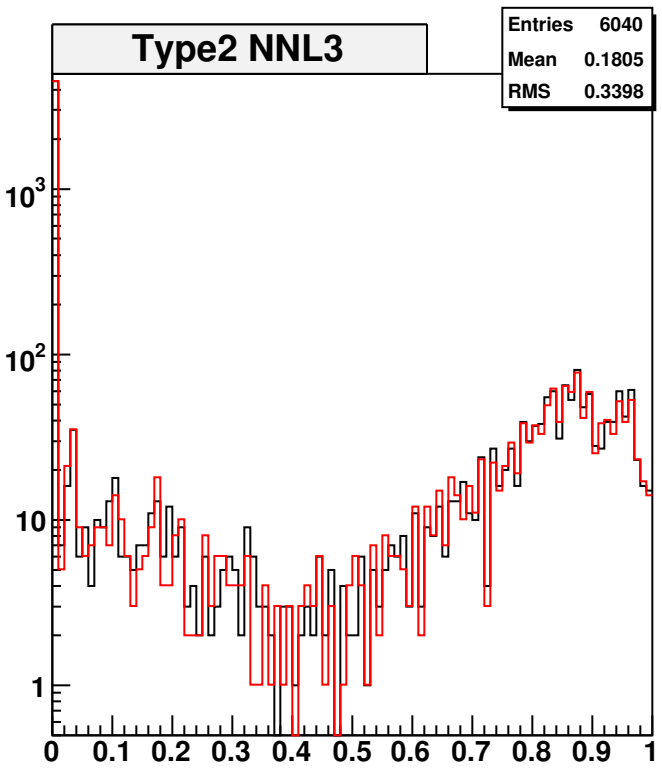


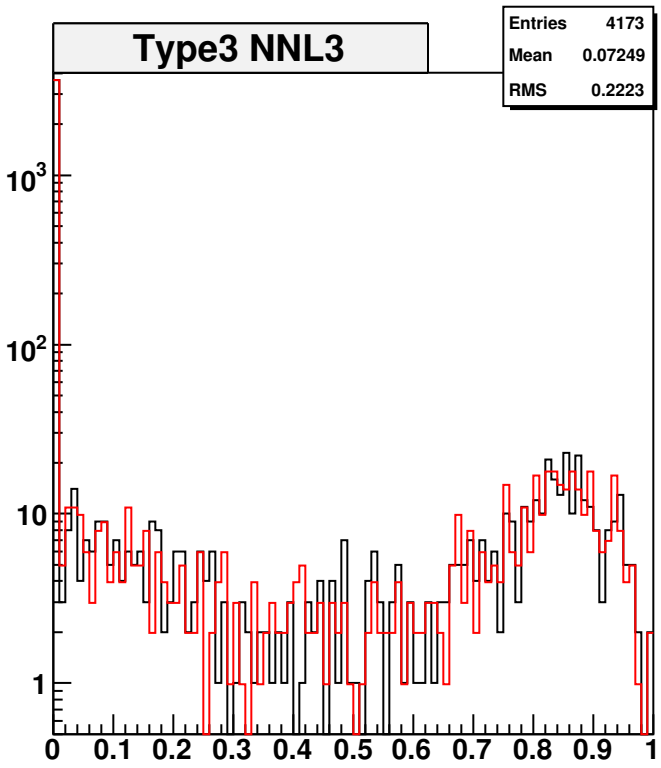


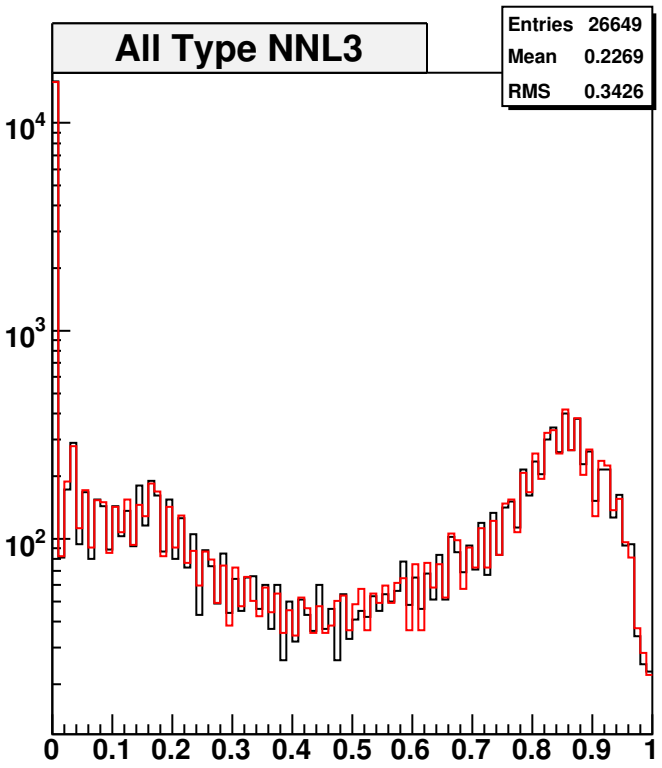


Taus NN (TAU All)









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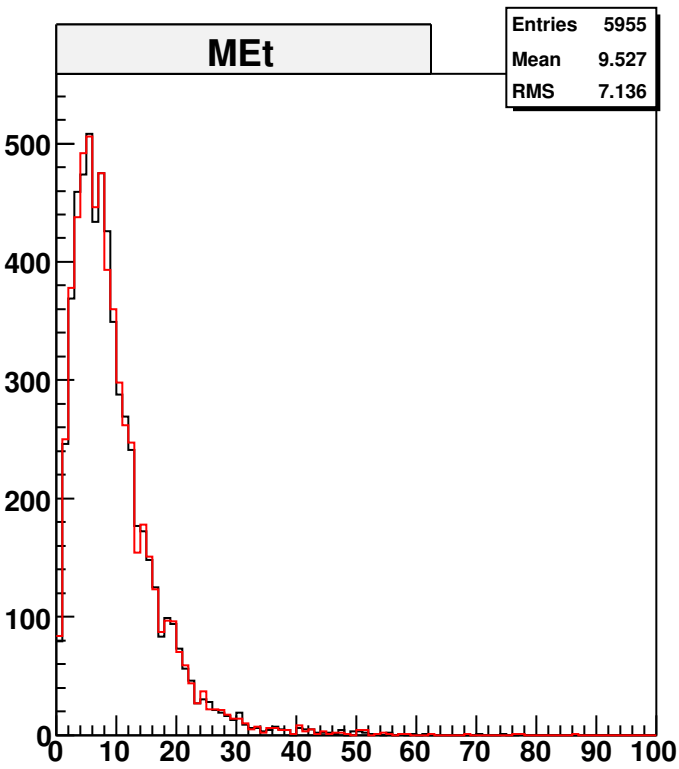
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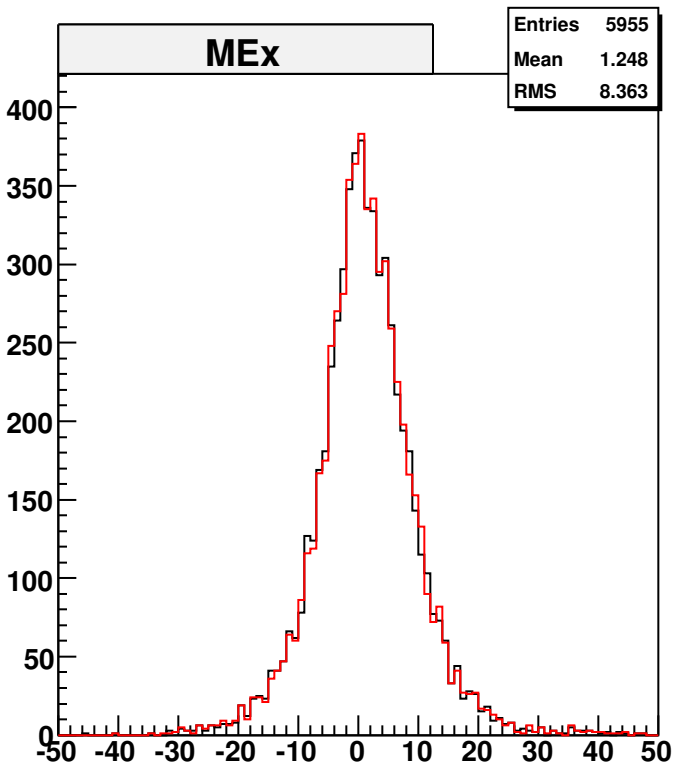
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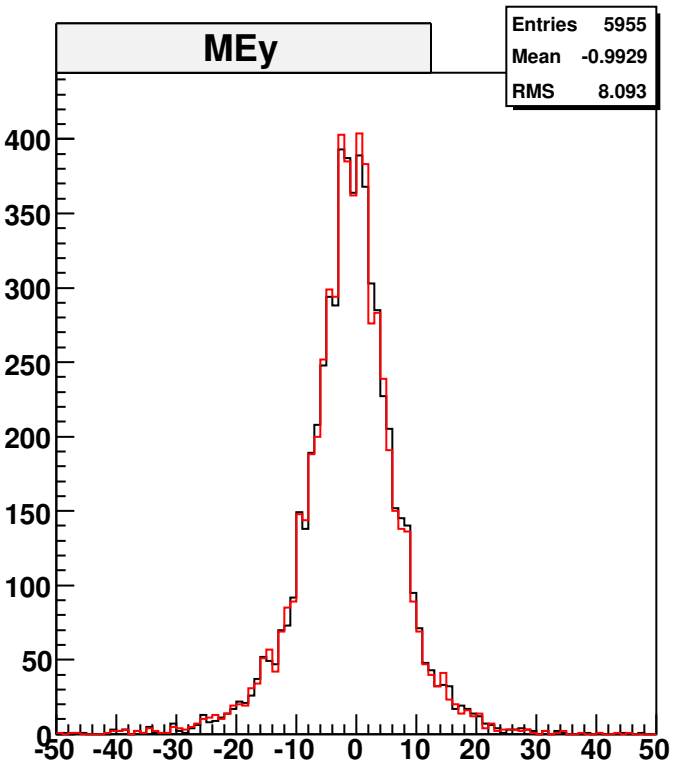
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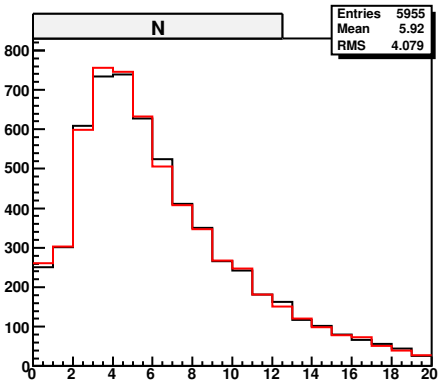
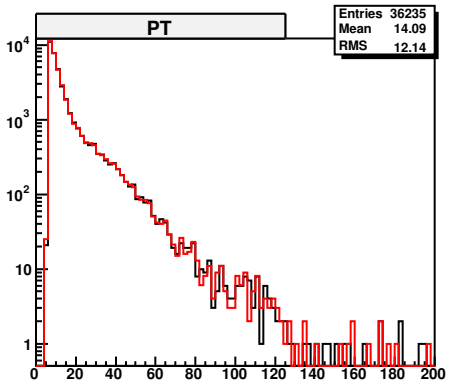
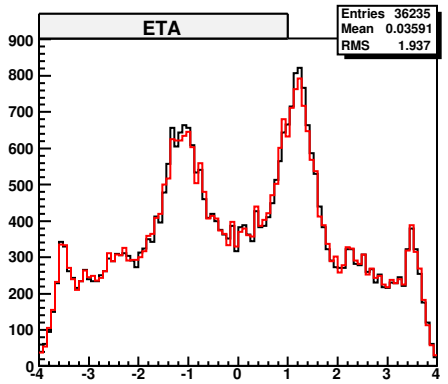
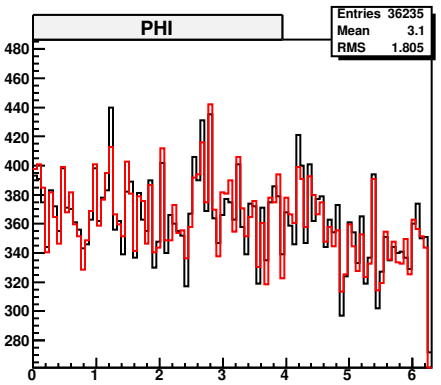
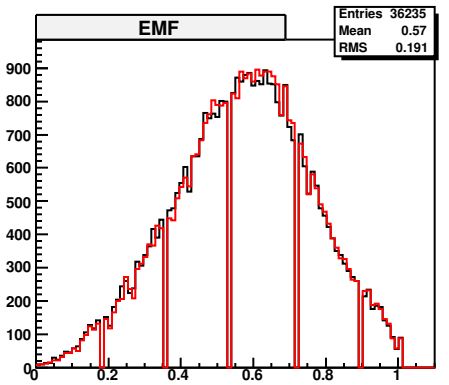
Met (No cuts)

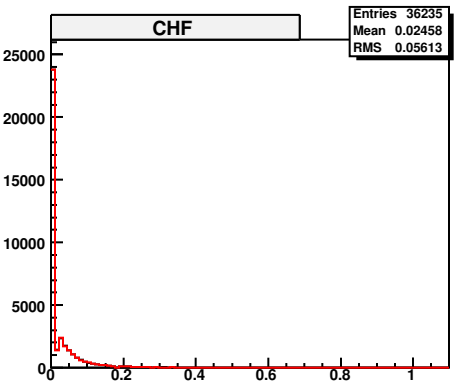


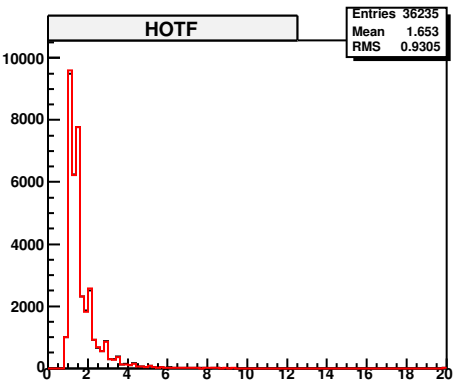


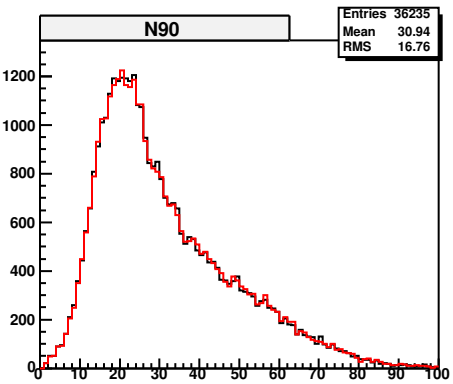


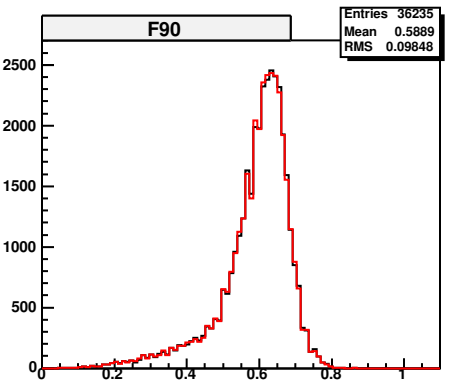


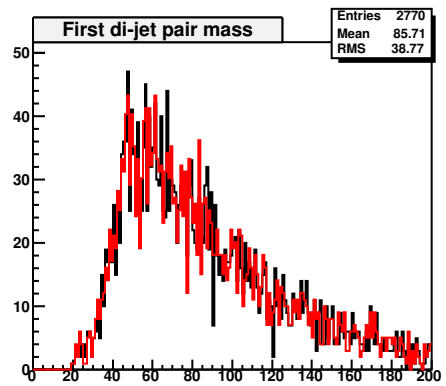


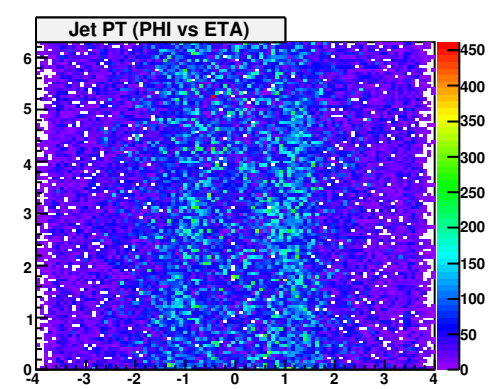




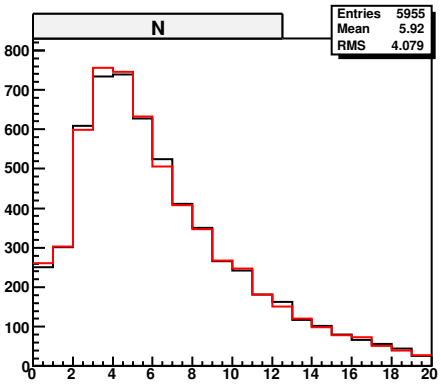


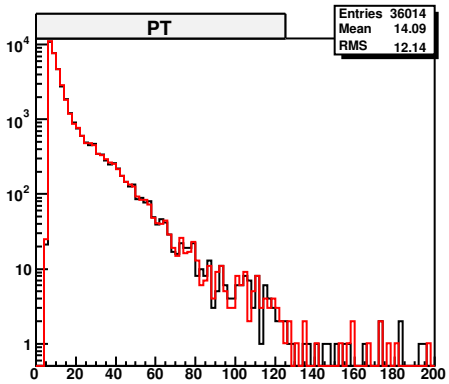


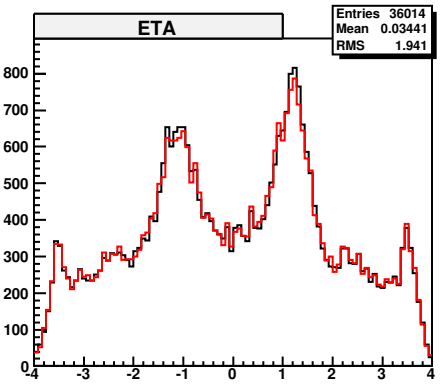


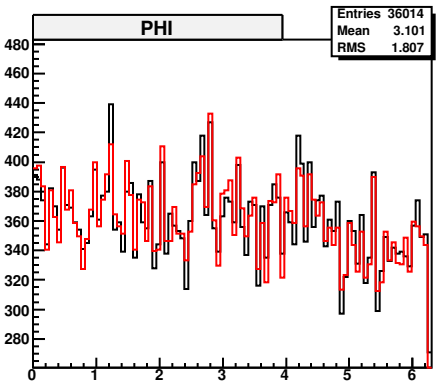


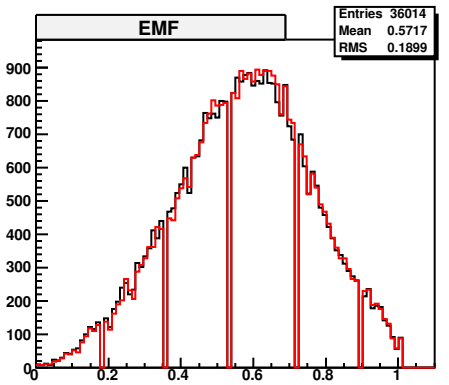
Jets (Cone R 0.7 (no cuts))

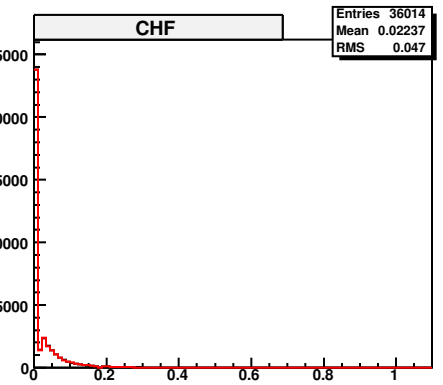


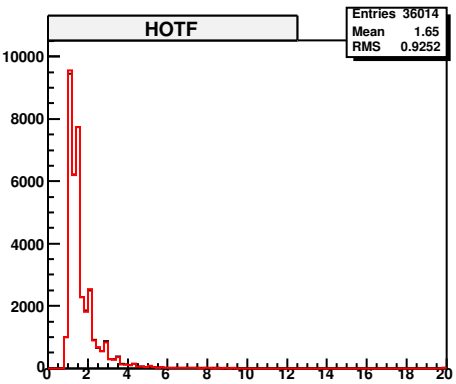


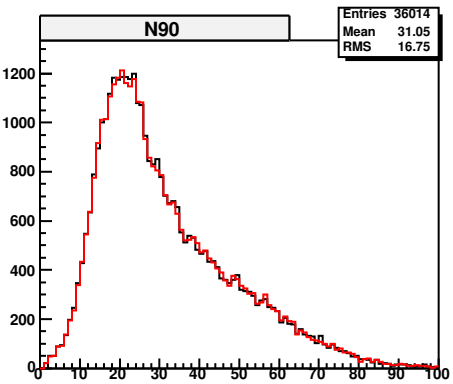


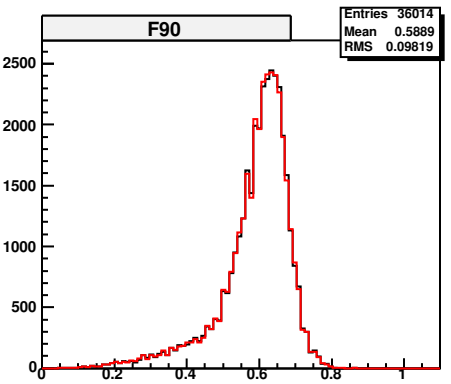


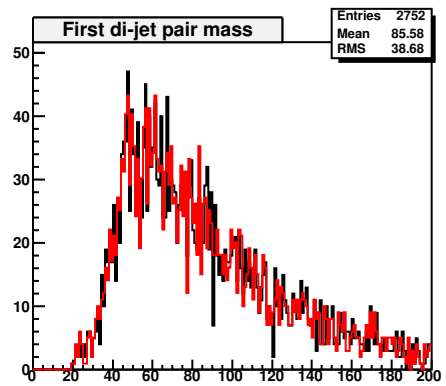


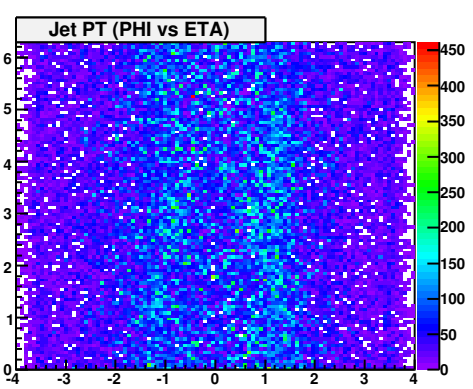




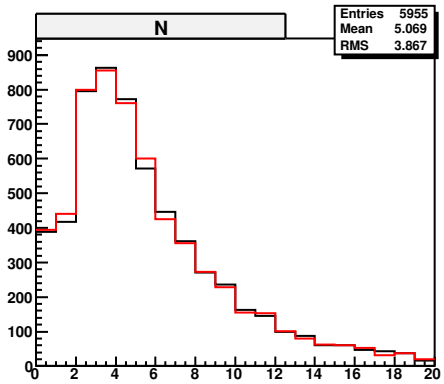


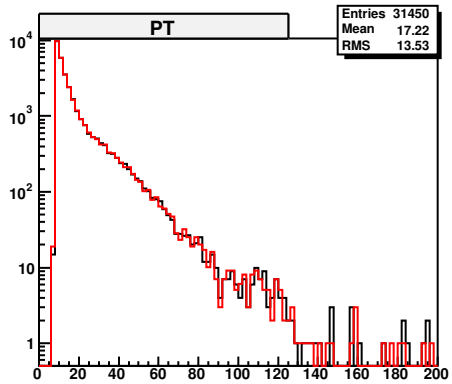


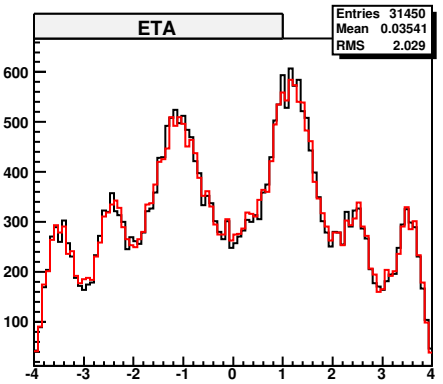


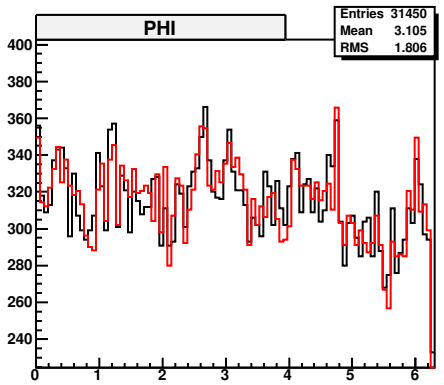


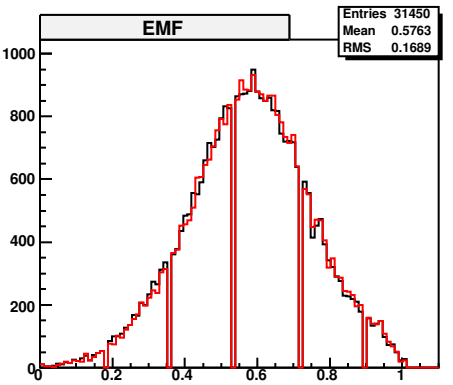
Jets (Cone R 0.7 (standard cuts))

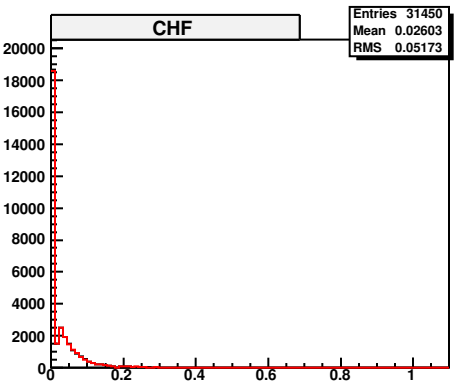


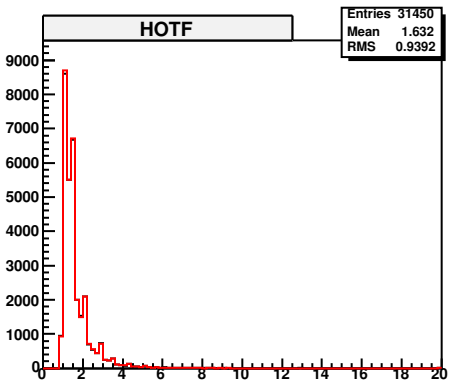


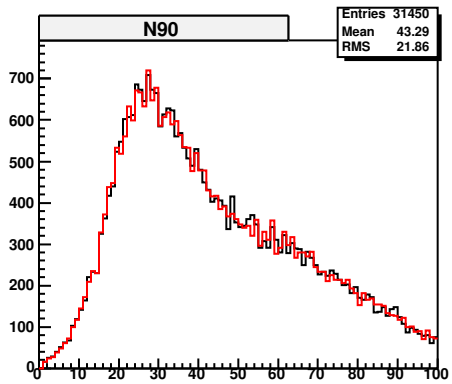


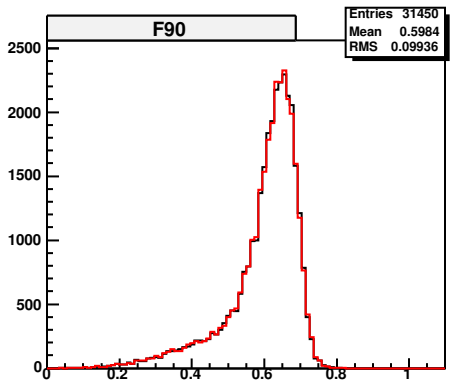


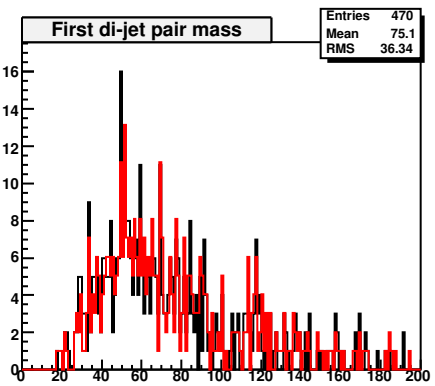


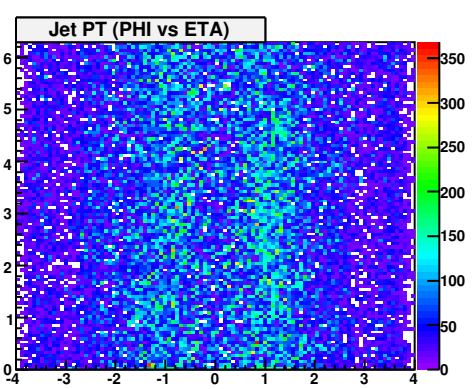




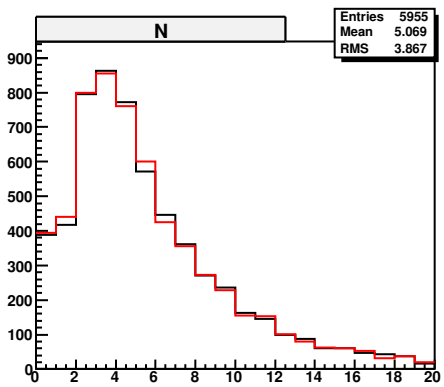


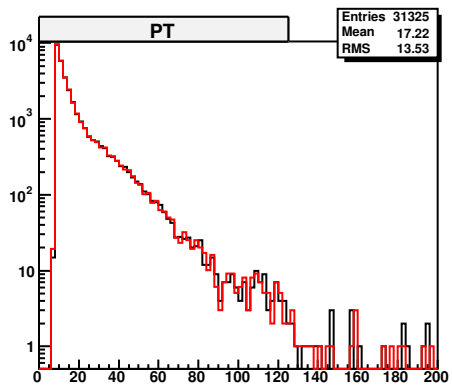


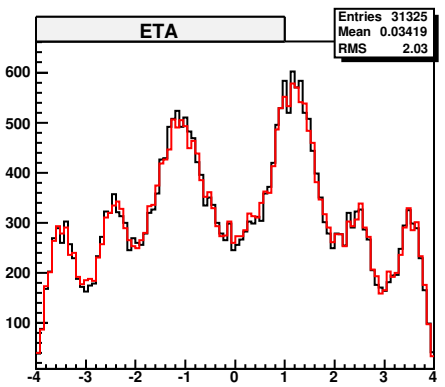


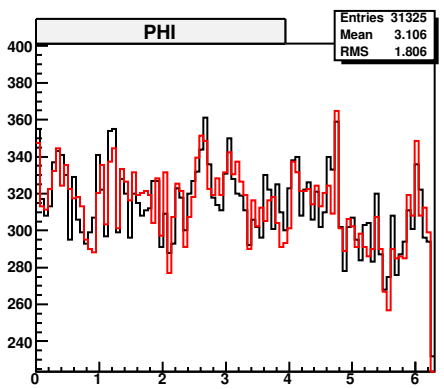


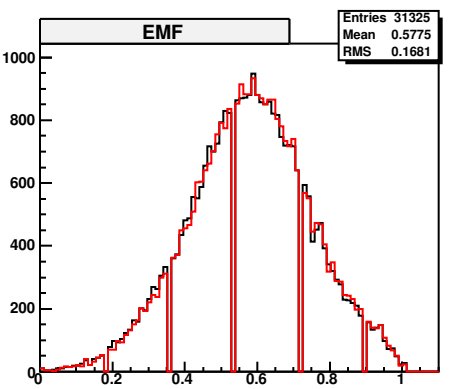
Jets (KT D 1 (no cuts))

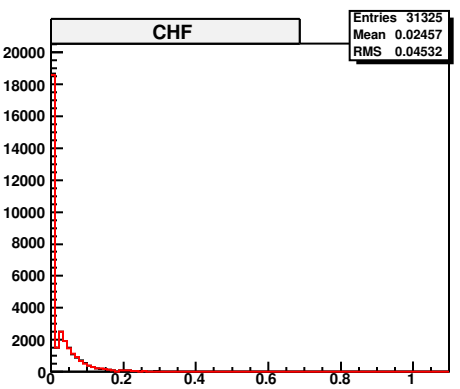


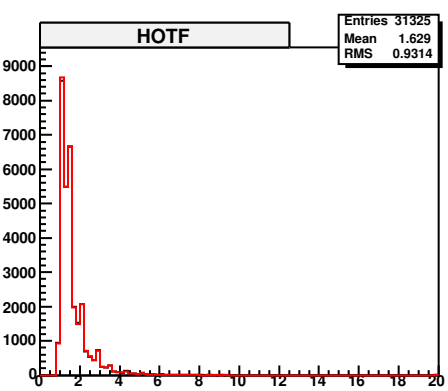


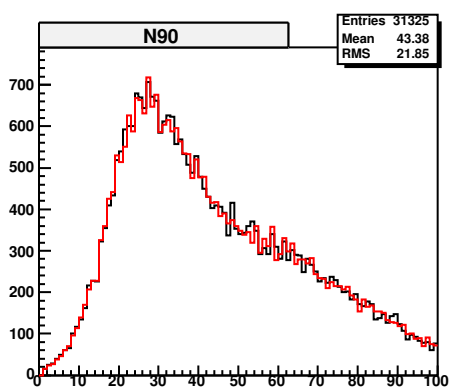


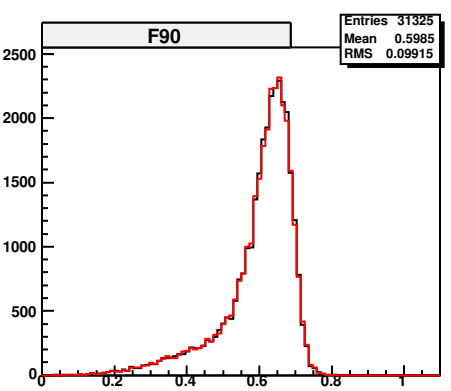


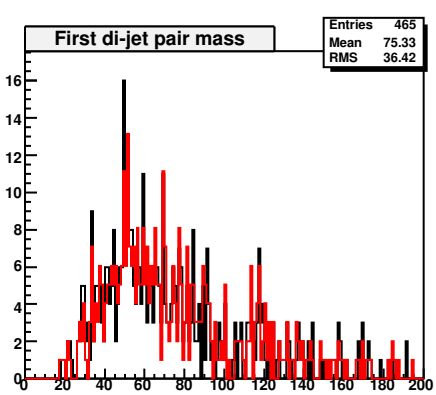


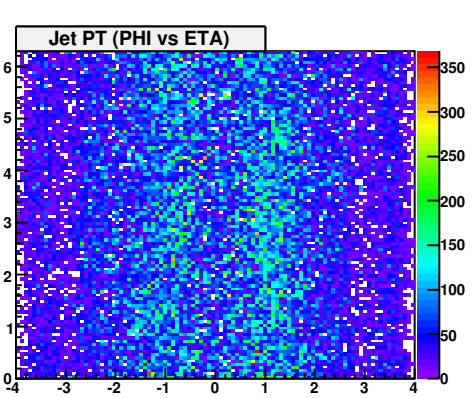




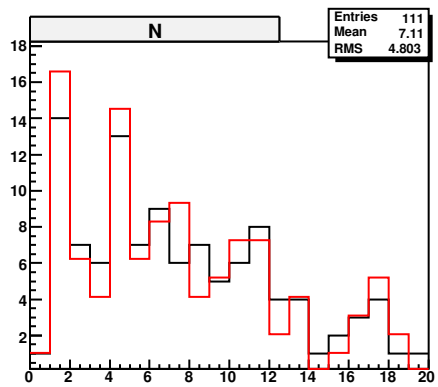


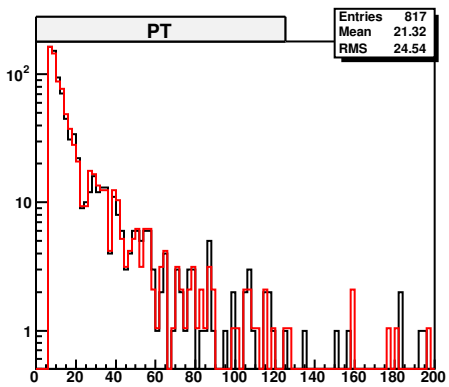


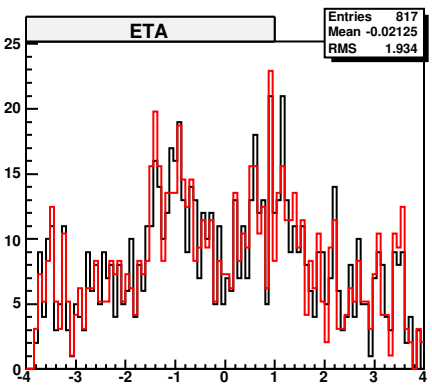


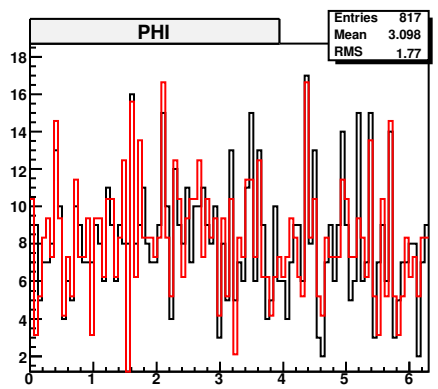


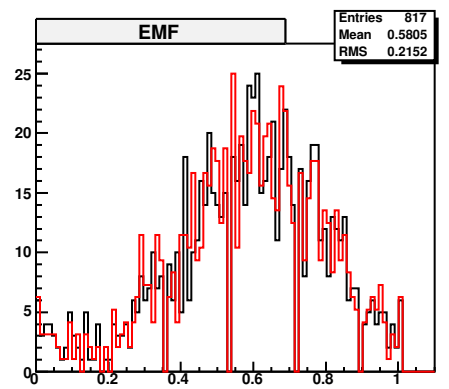
Jets (KT D 1 (standard cuts))

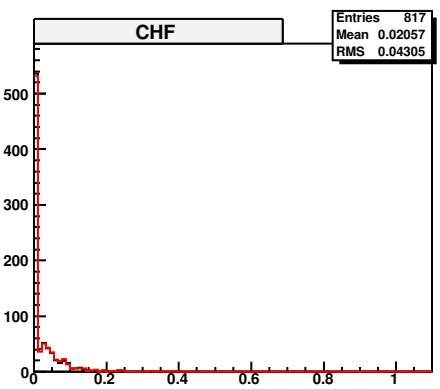


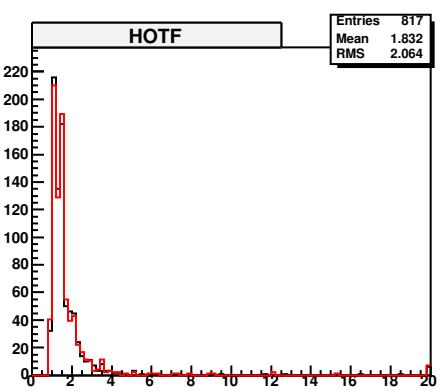


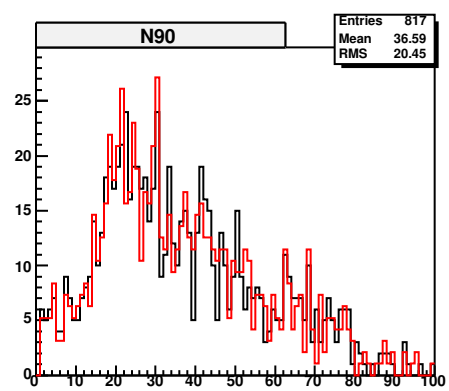


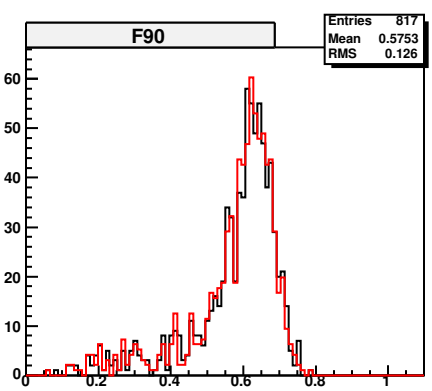


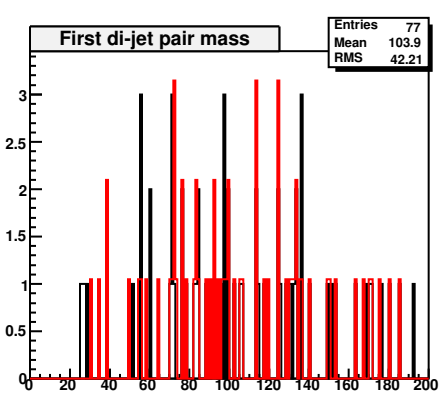


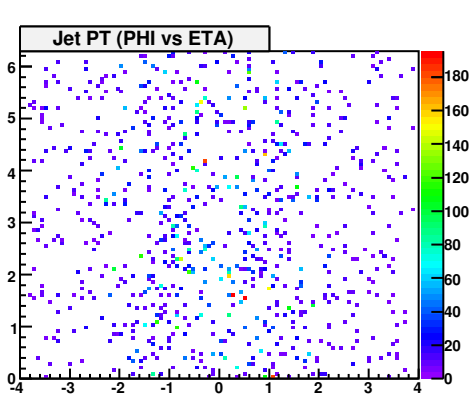




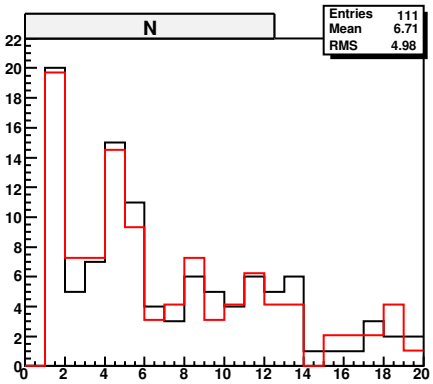


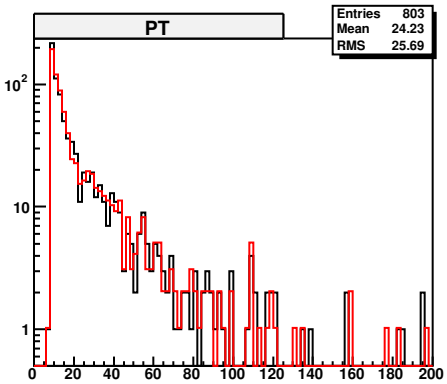


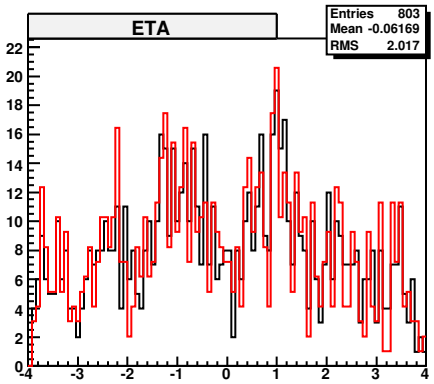


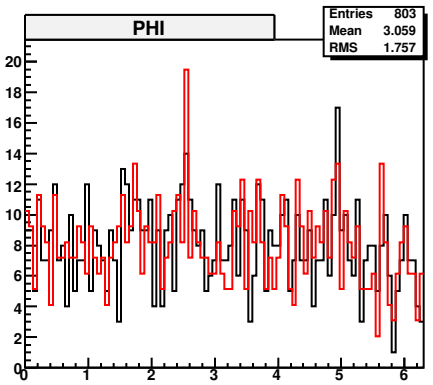


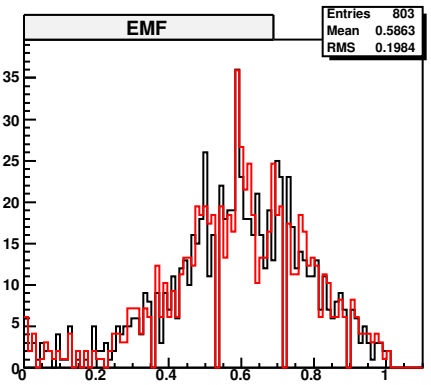
Jets (Cone R 0.7 (standard cuts, MET>30))

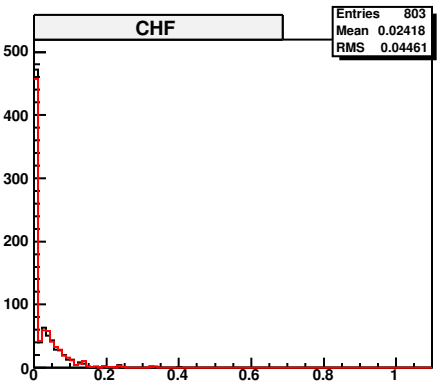


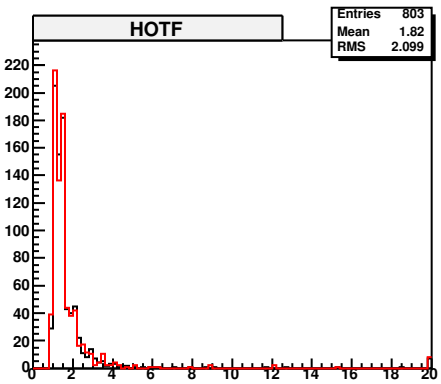


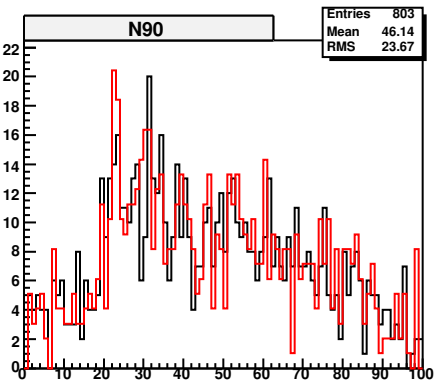


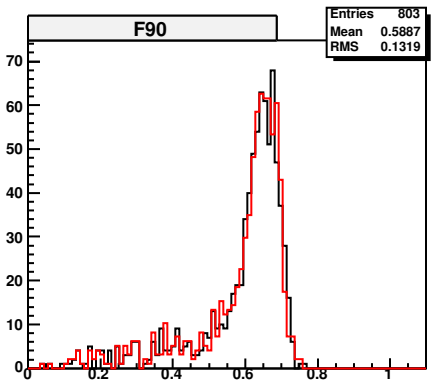


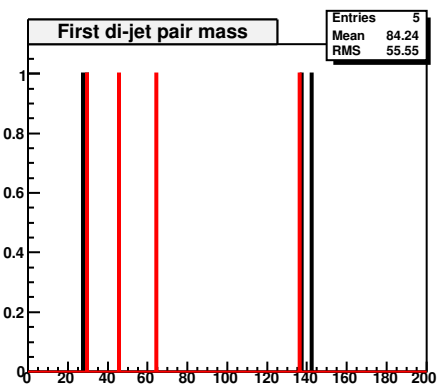


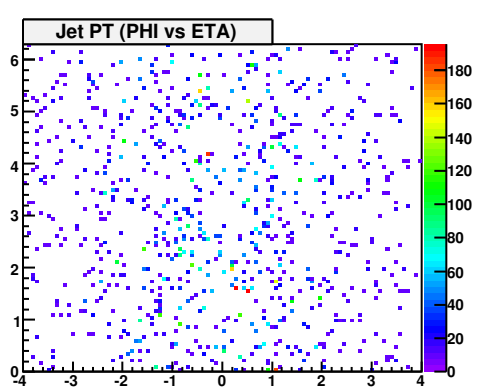




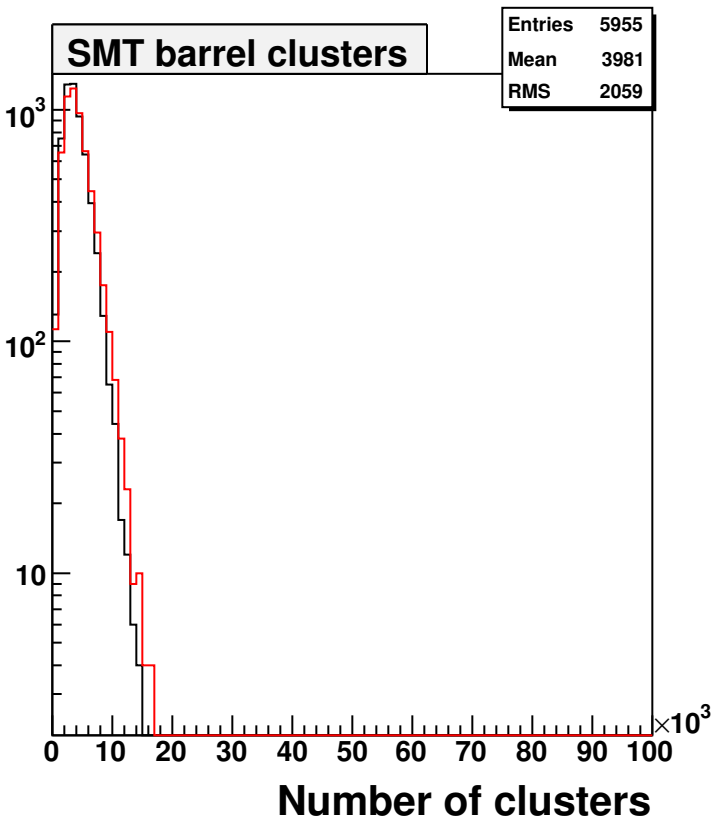


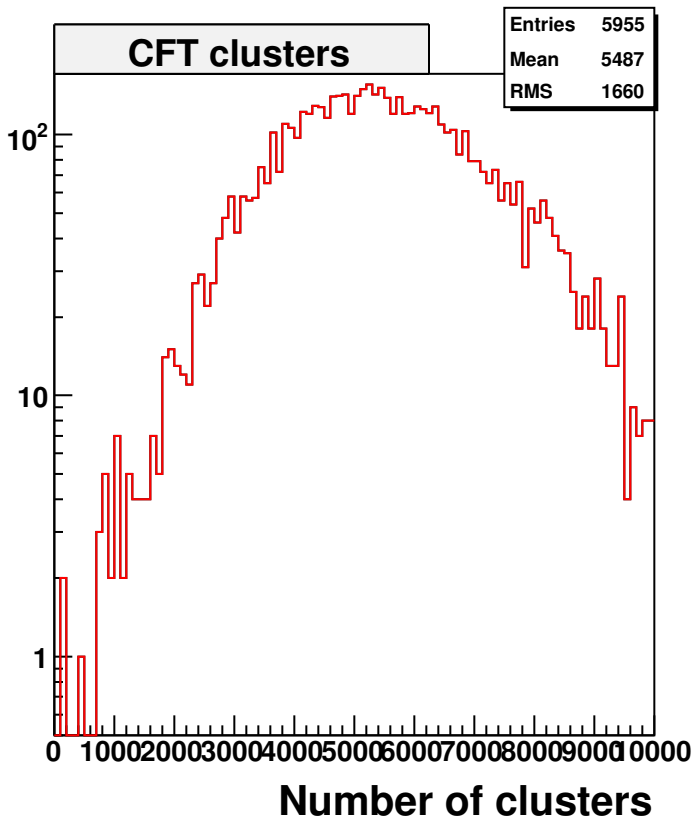


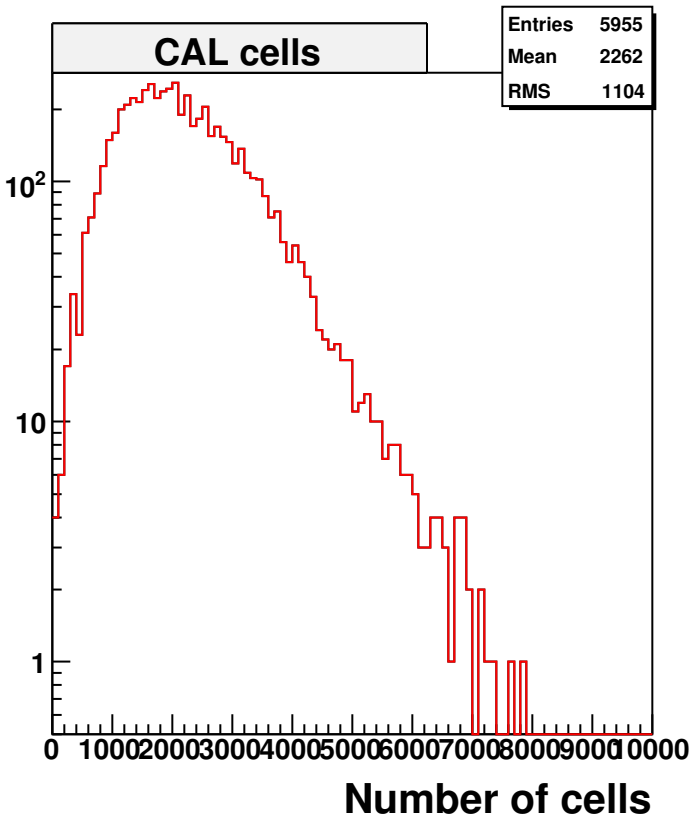


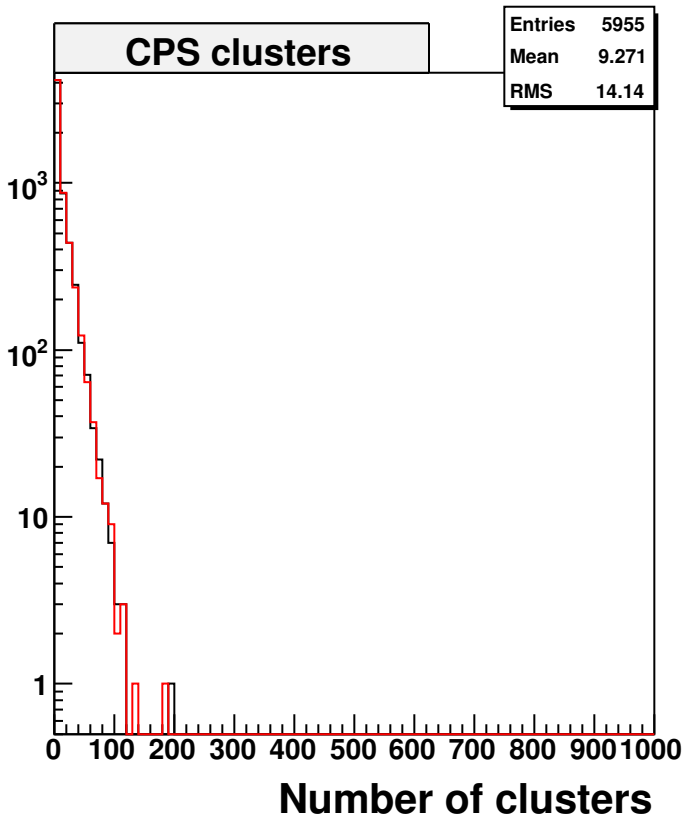


Jets (KT D 1 (standard cuts, MET>30))

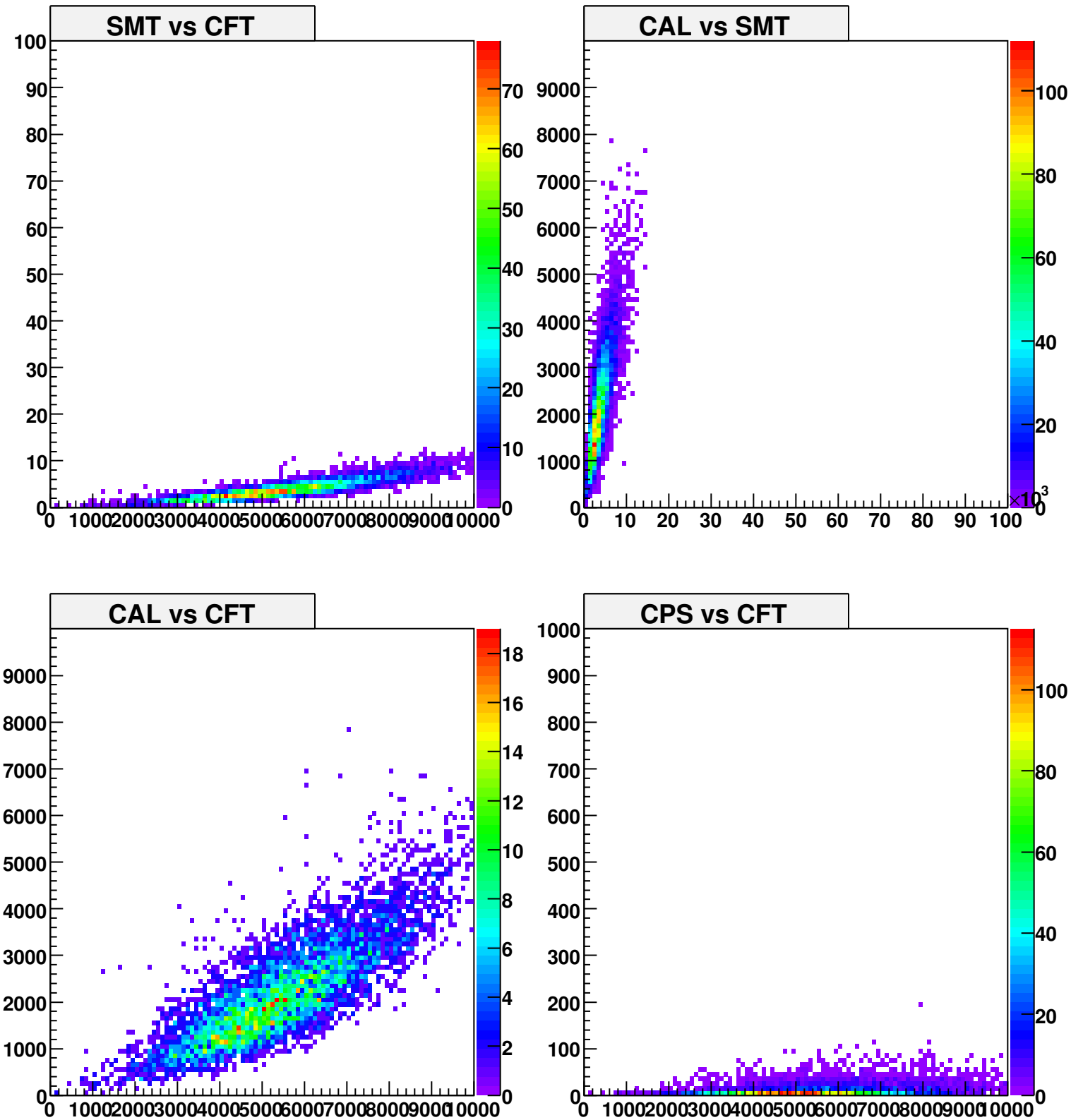


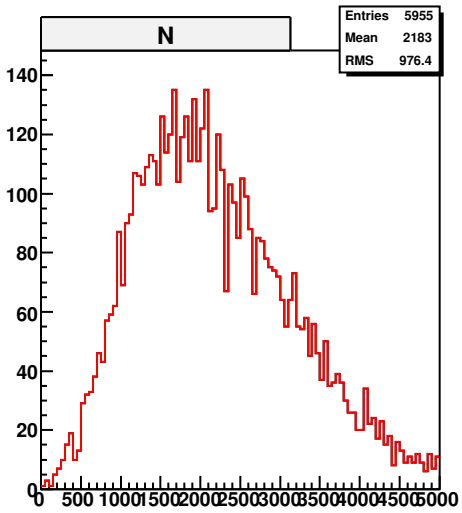


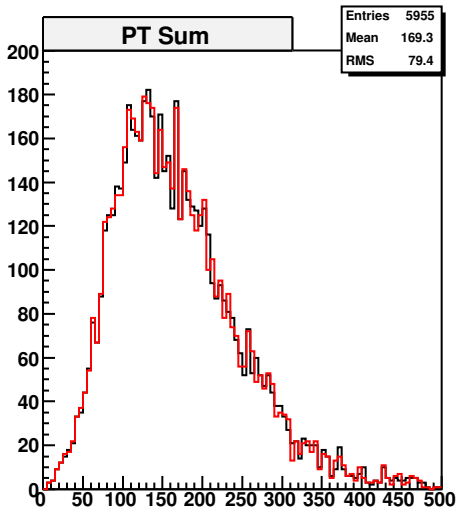


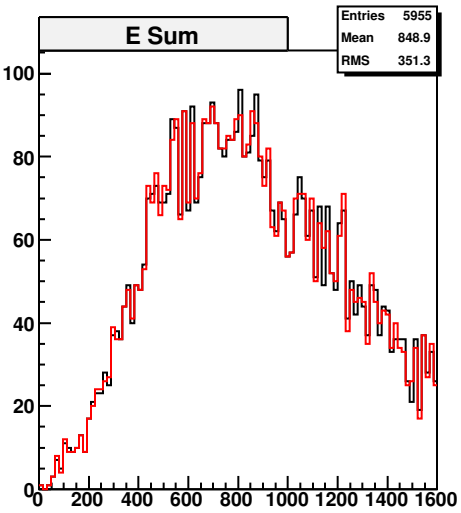


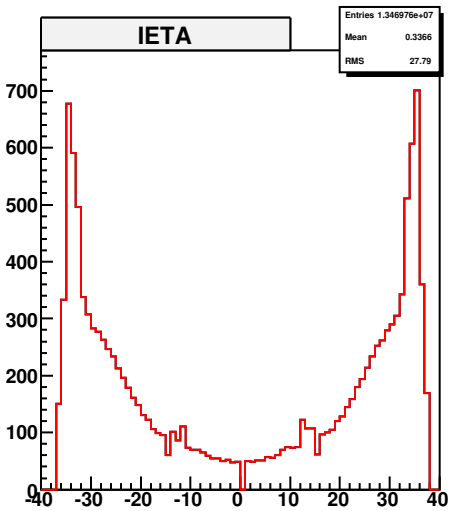
Detector Occupancy (Detector)

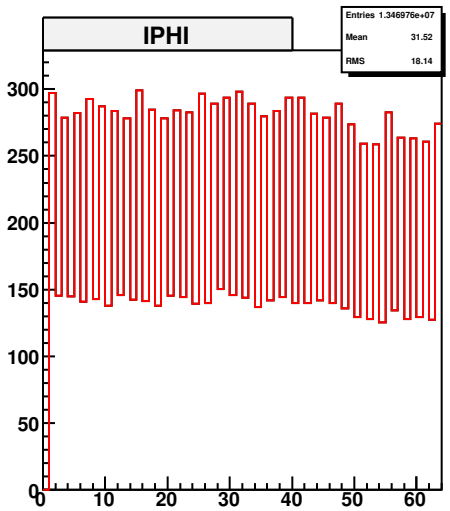

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

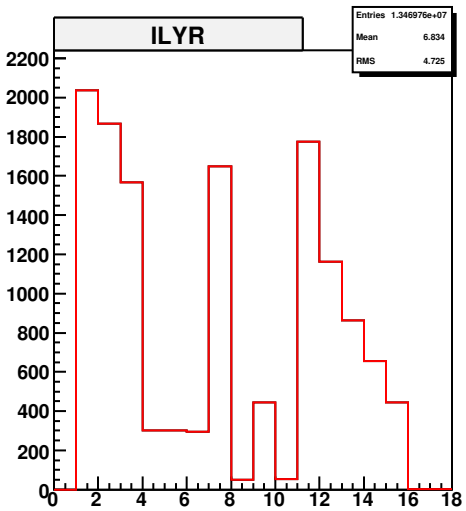


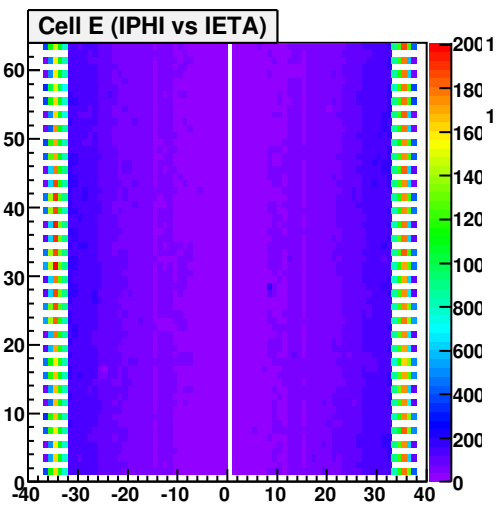


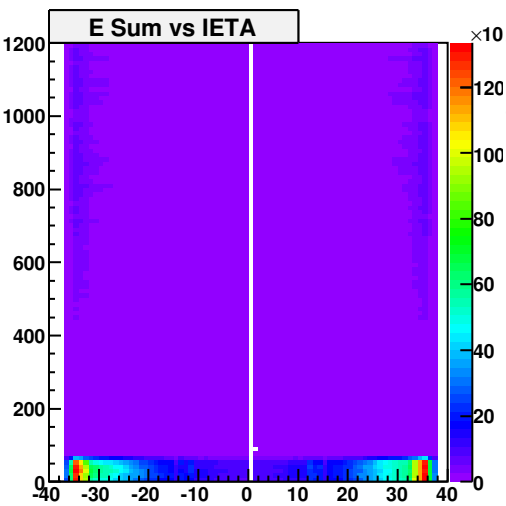


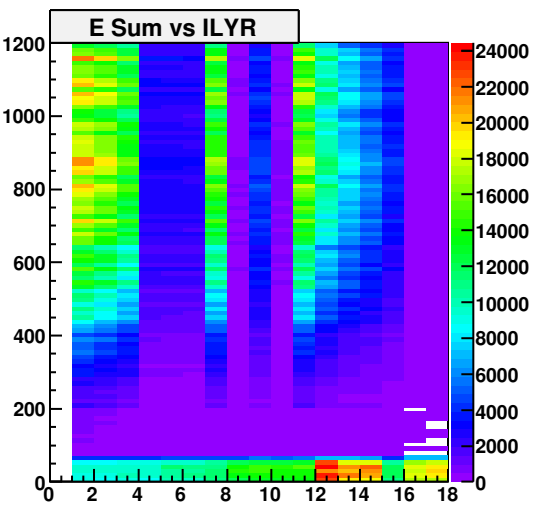




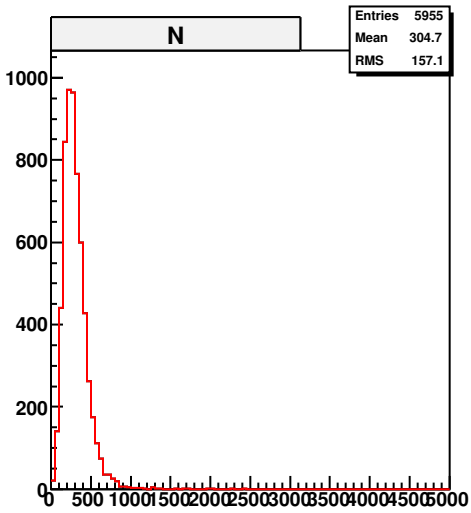


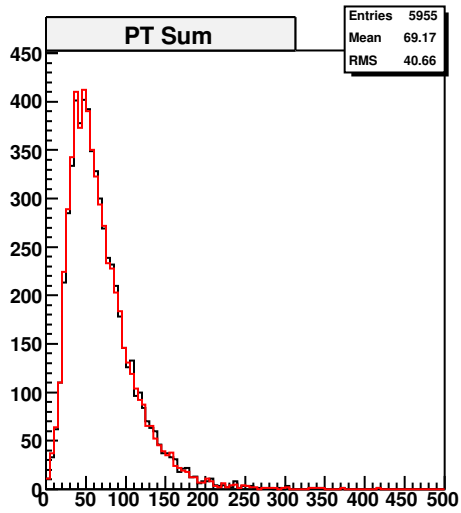


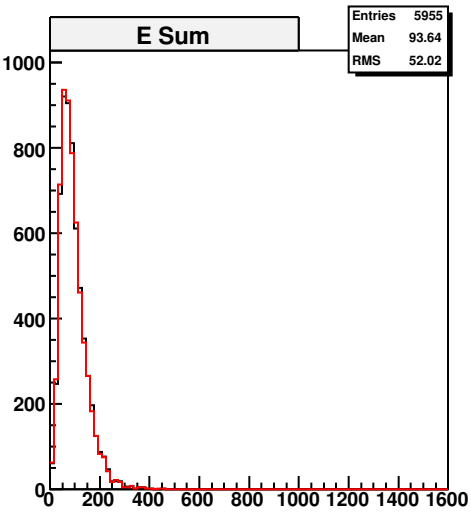


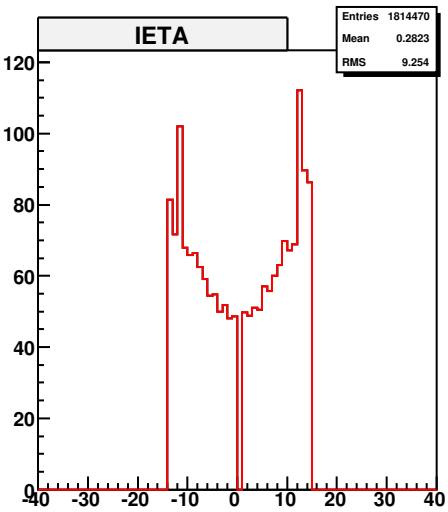


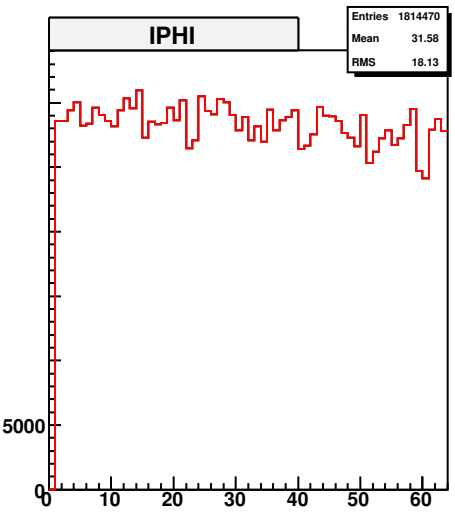
Calorimeter (All cells)

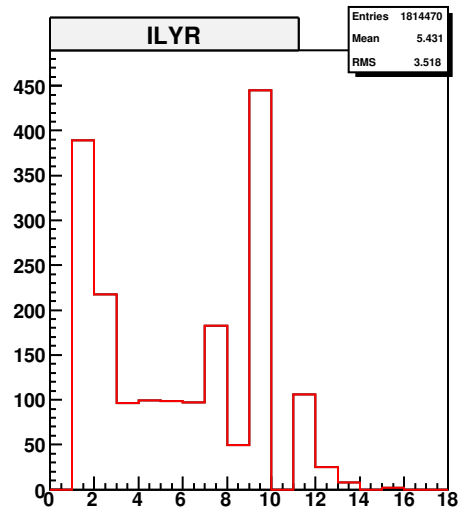


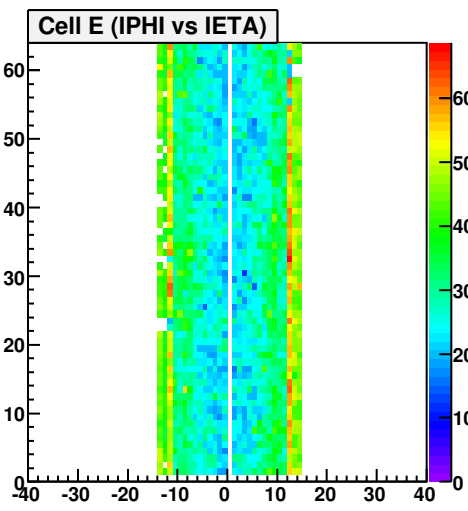


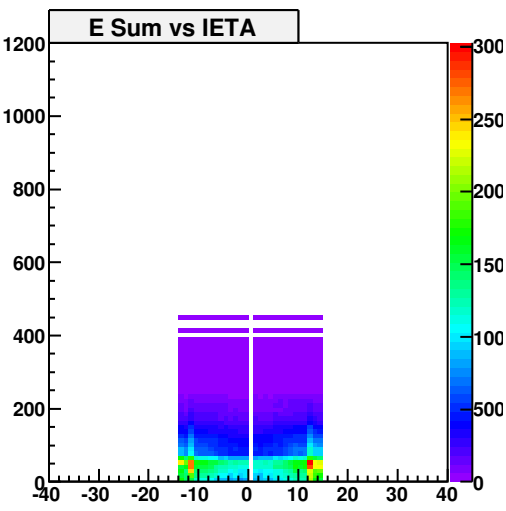


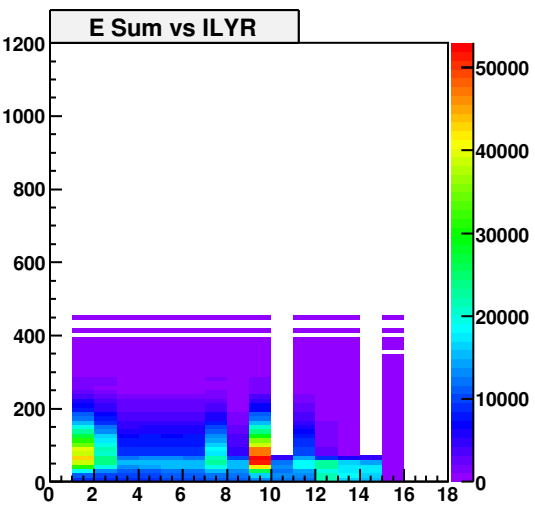




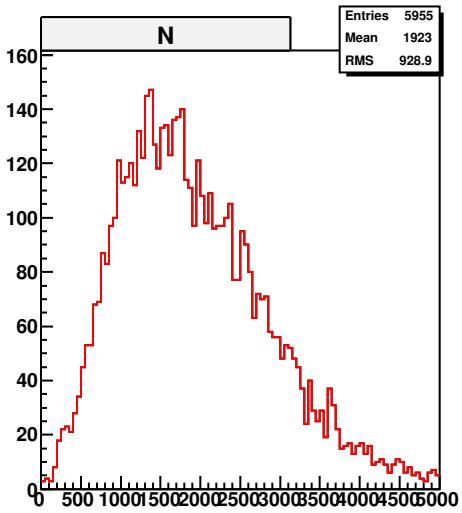


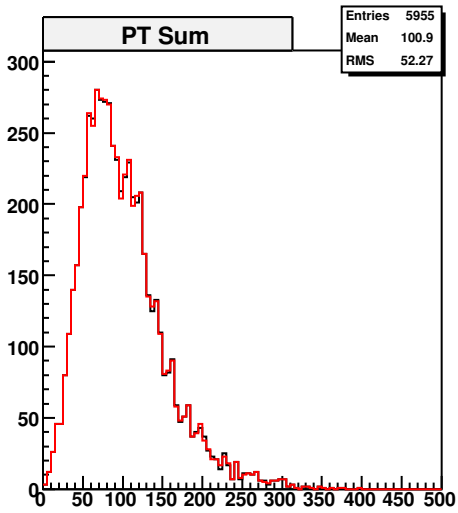


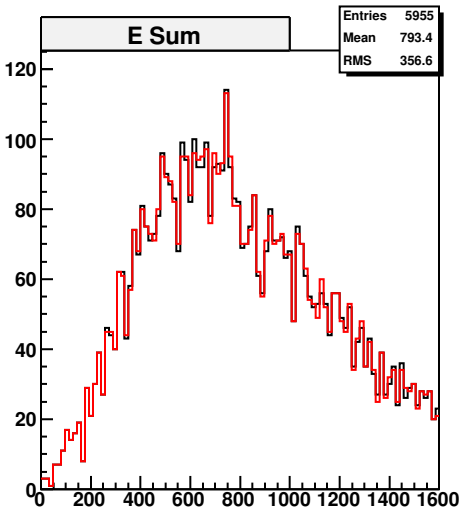


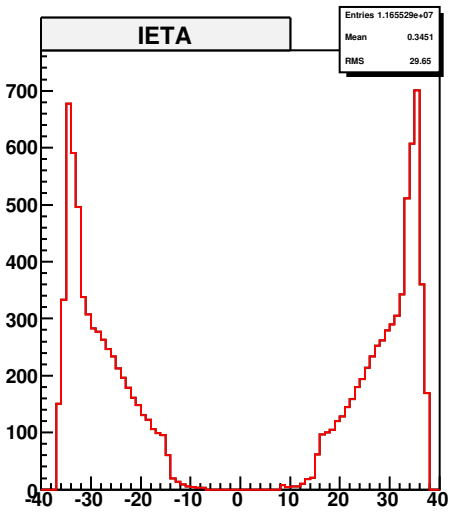


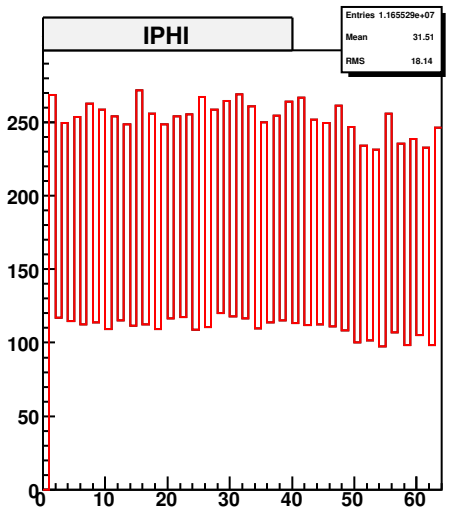
Calorimeter (All CC cells)

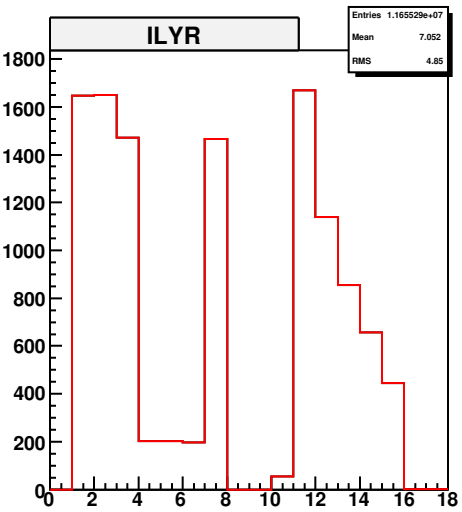


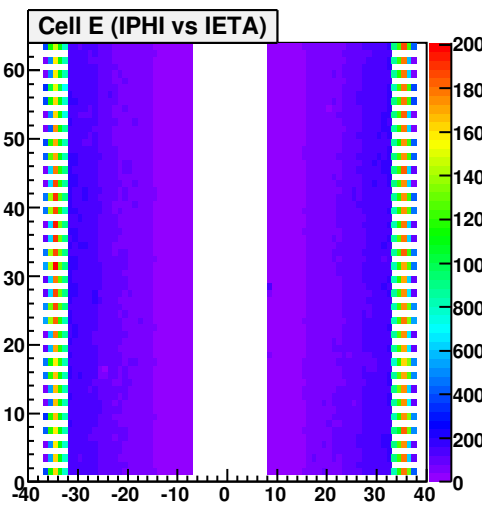


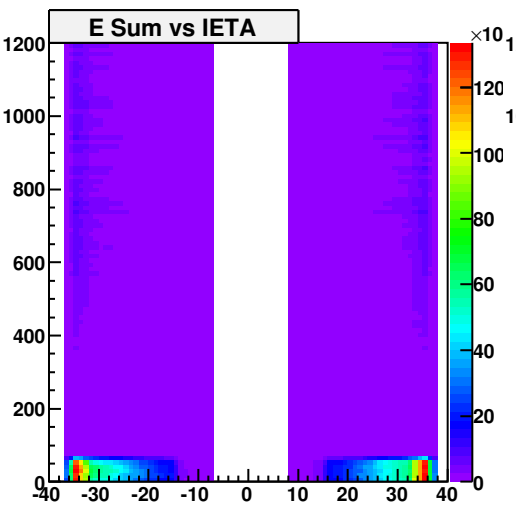


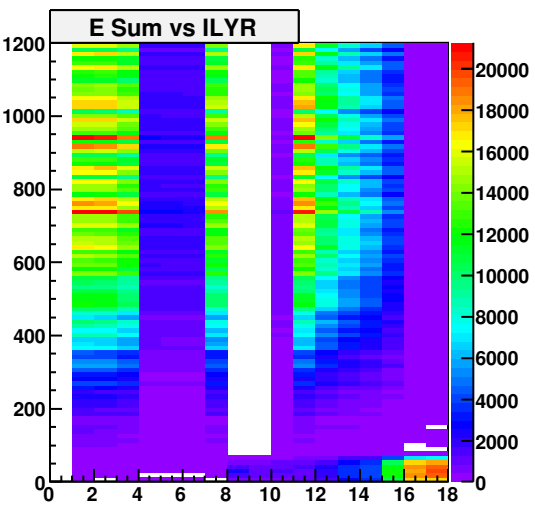




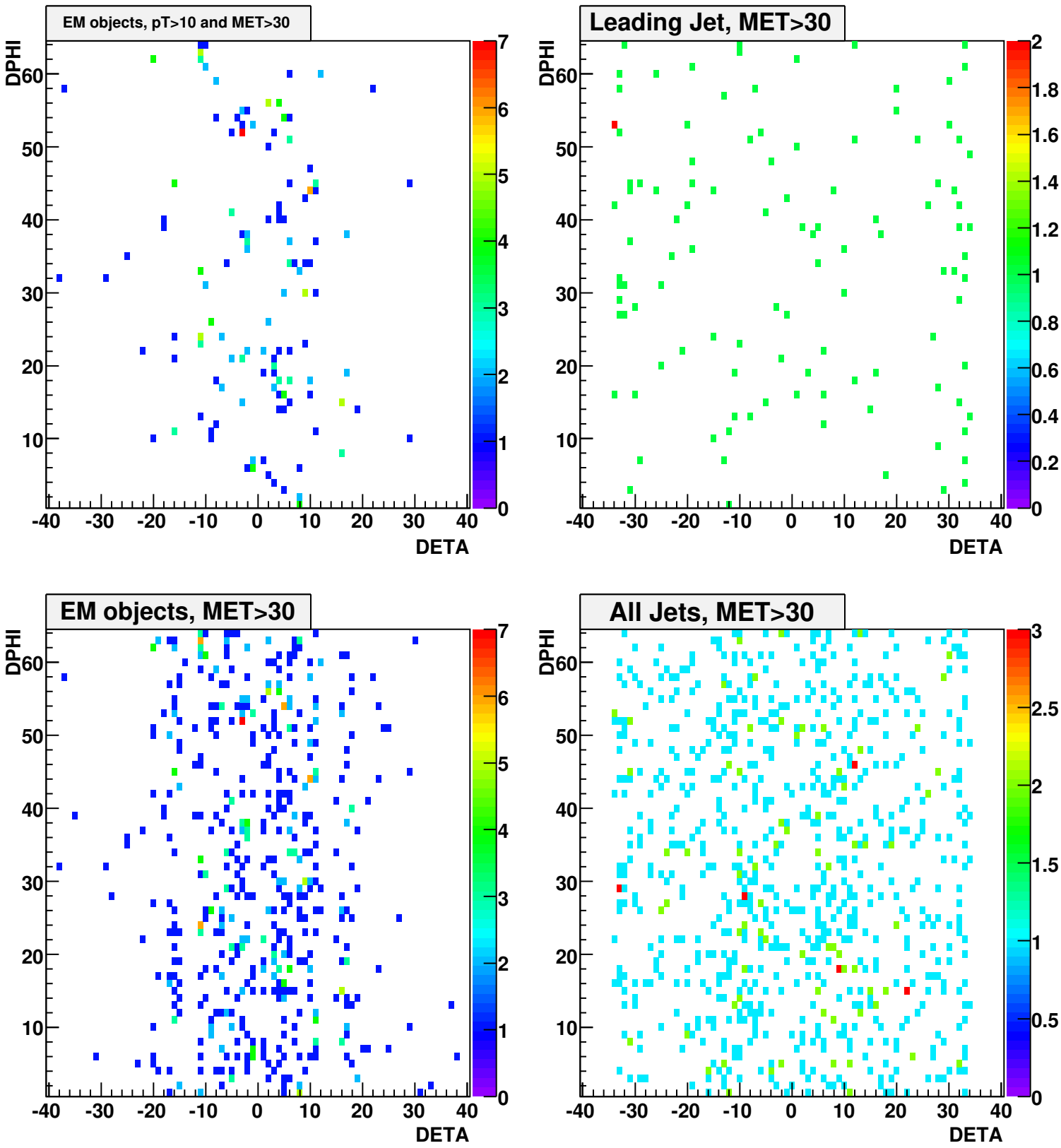




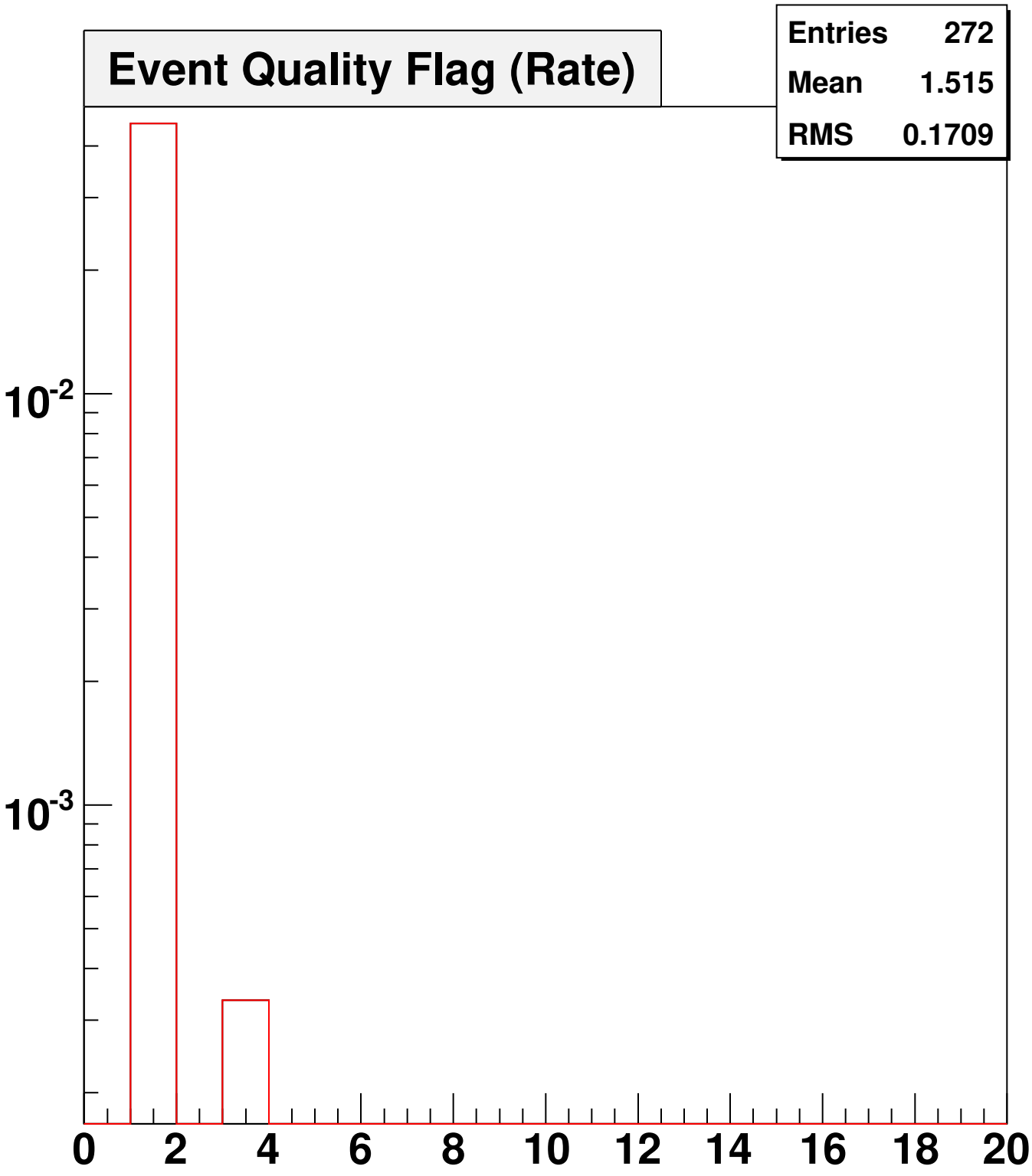


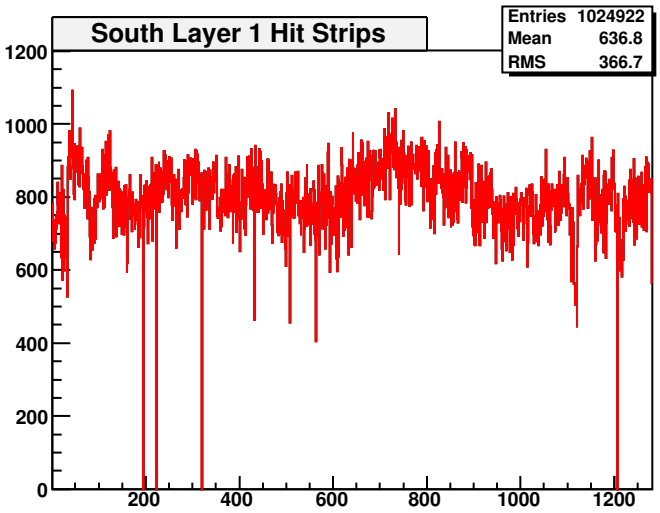


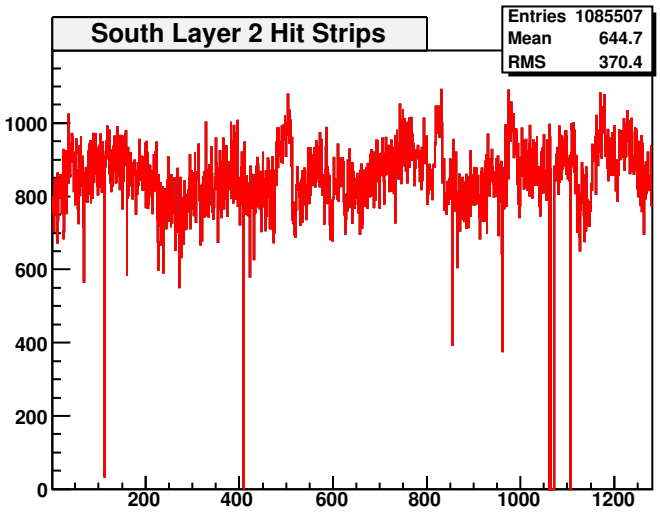
Calorimeter (All EC cells)

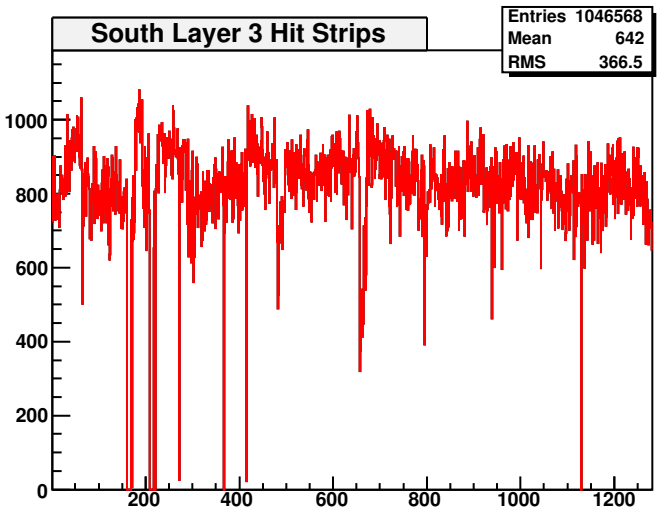


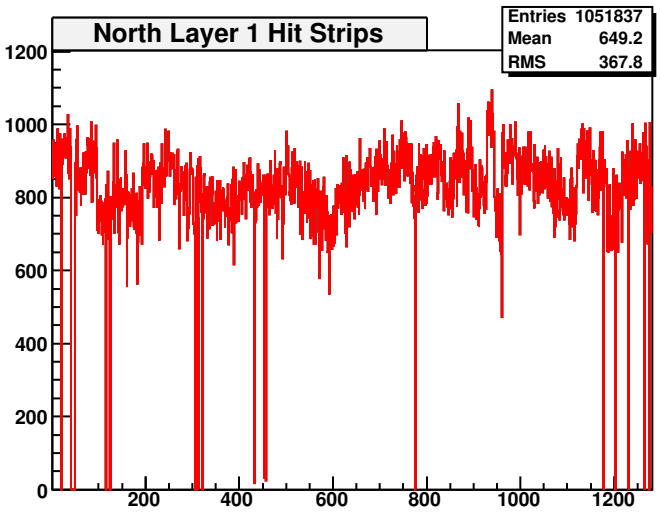
Cal Objects with MET>30 (All cells)

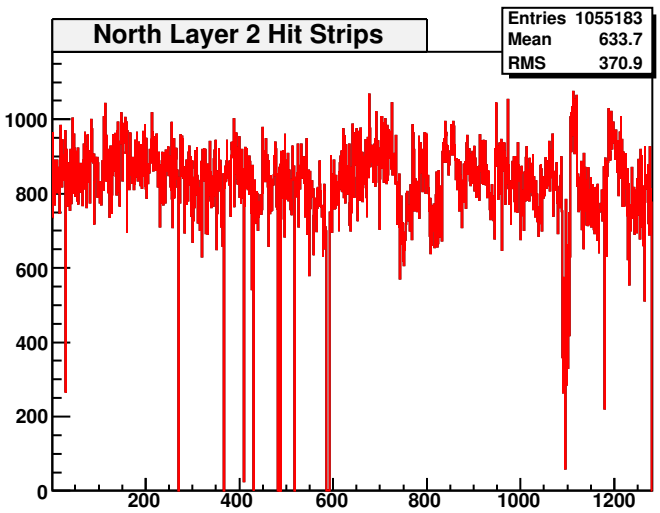

Event Quality Flag (Rate)
Entries 272
Mean 1.515
RMS 0.1709
10-2
10-3
0
2
4
6
8
10
12
14
16
18
20
Calorimeter Event Quality (All cells)

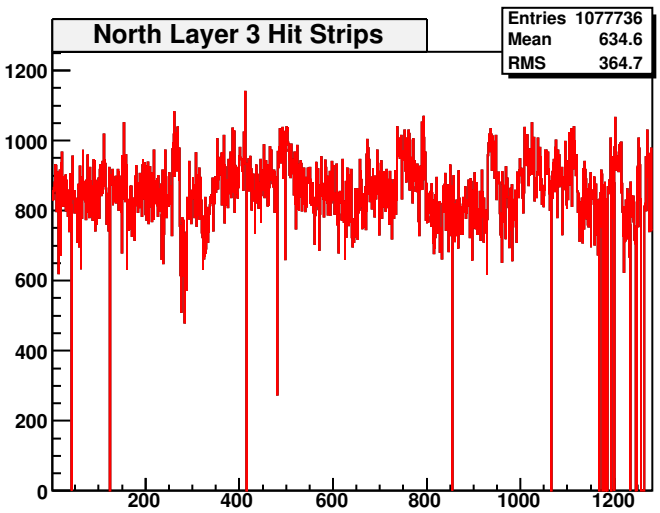




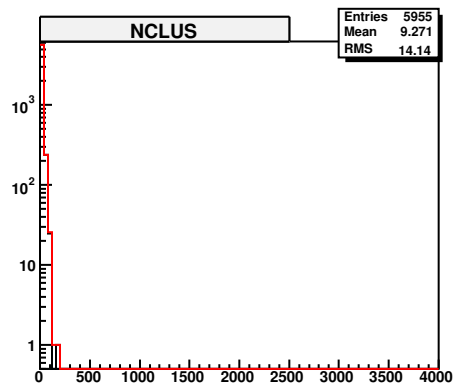


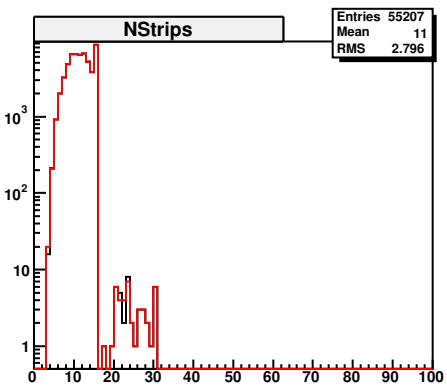


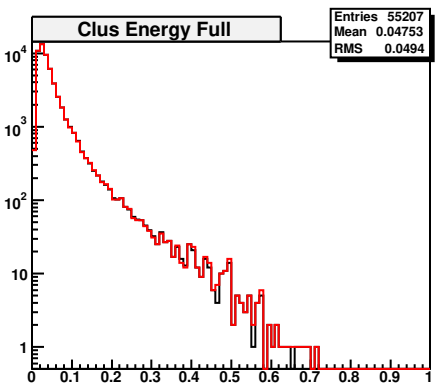


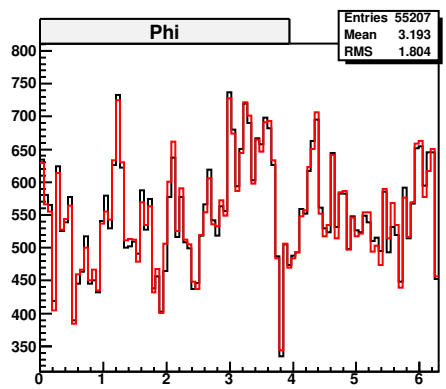


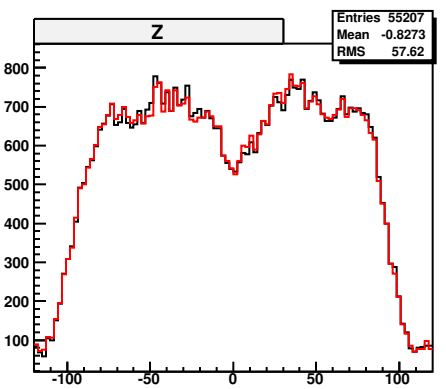
CPS Hit Strips (All Clusters)

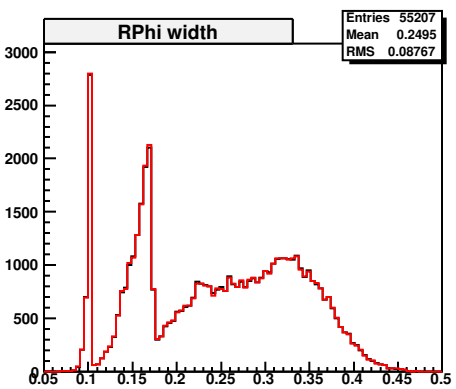


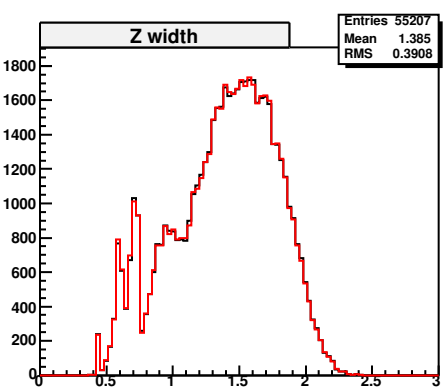


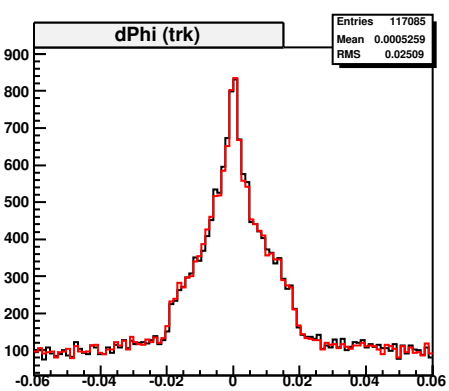


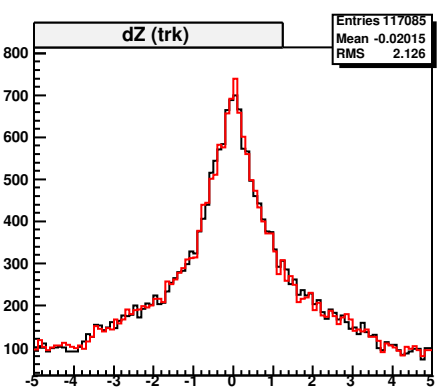


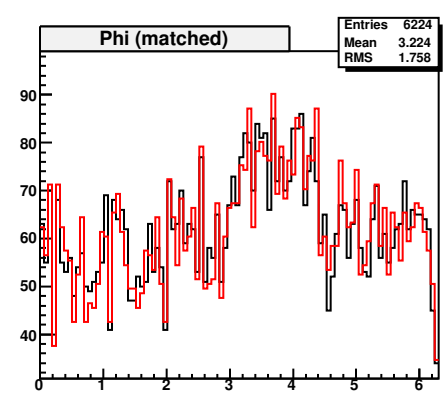


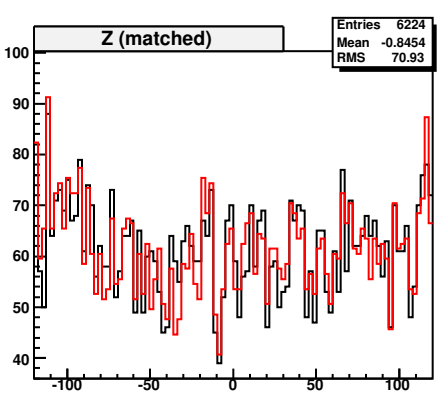




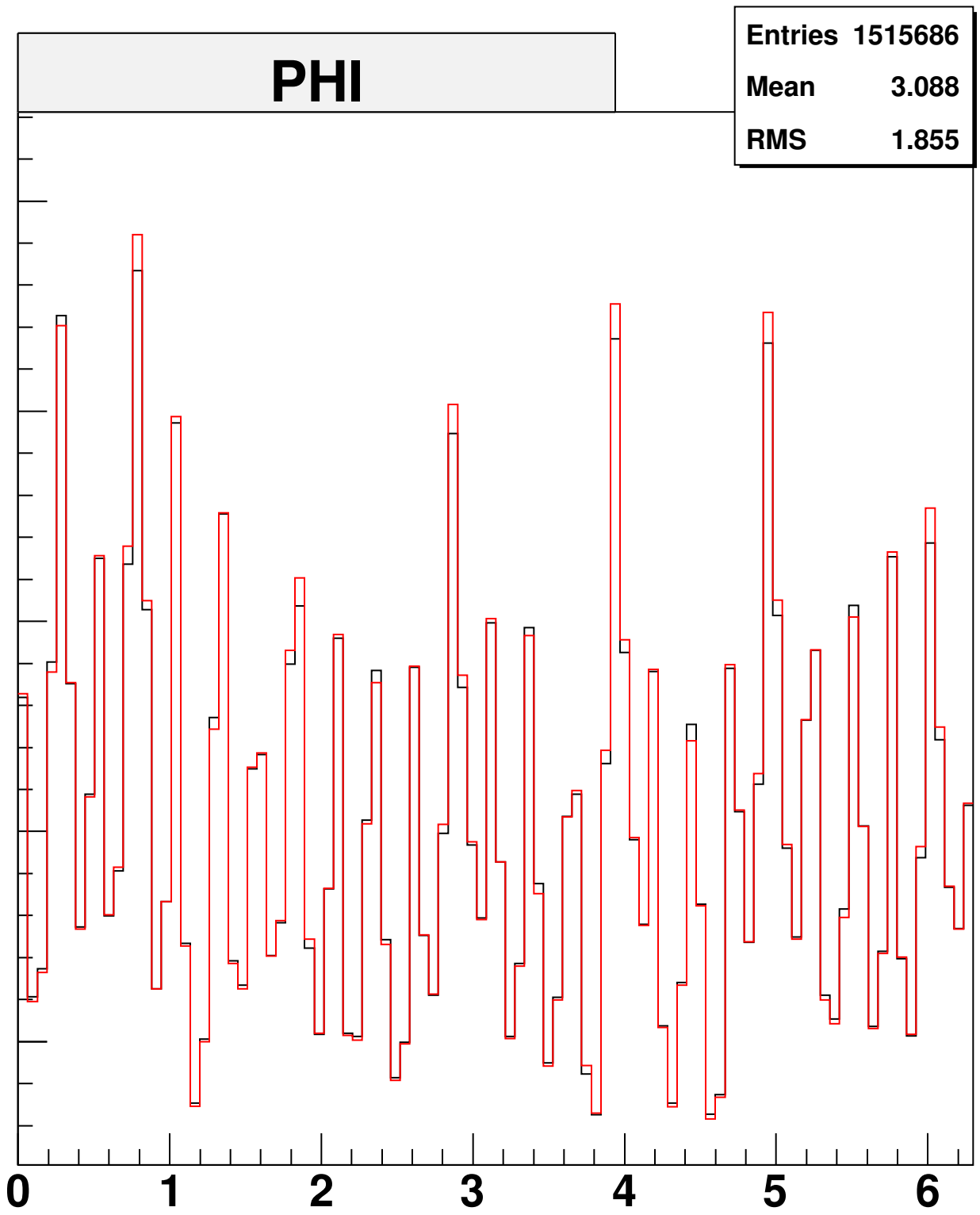


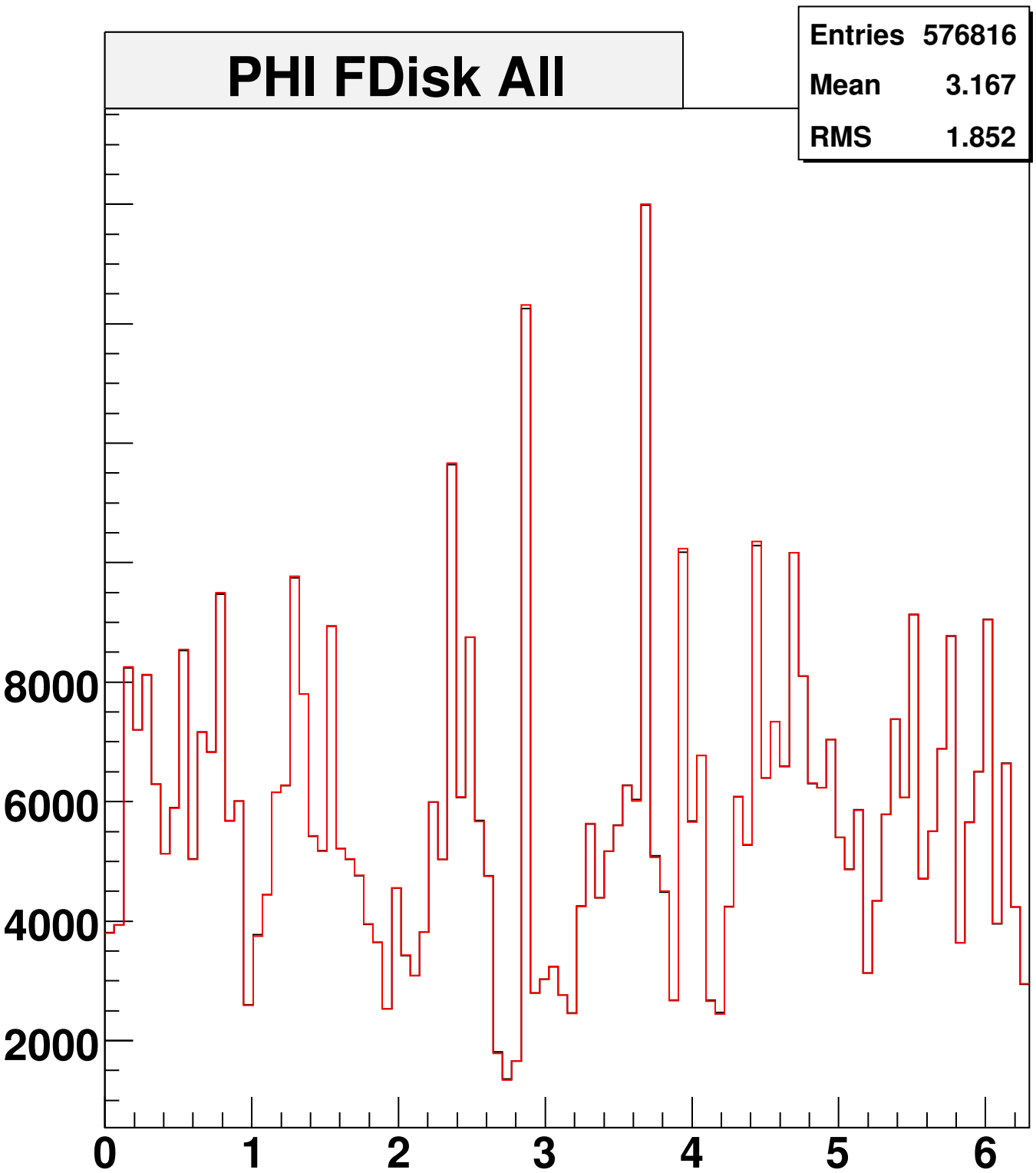


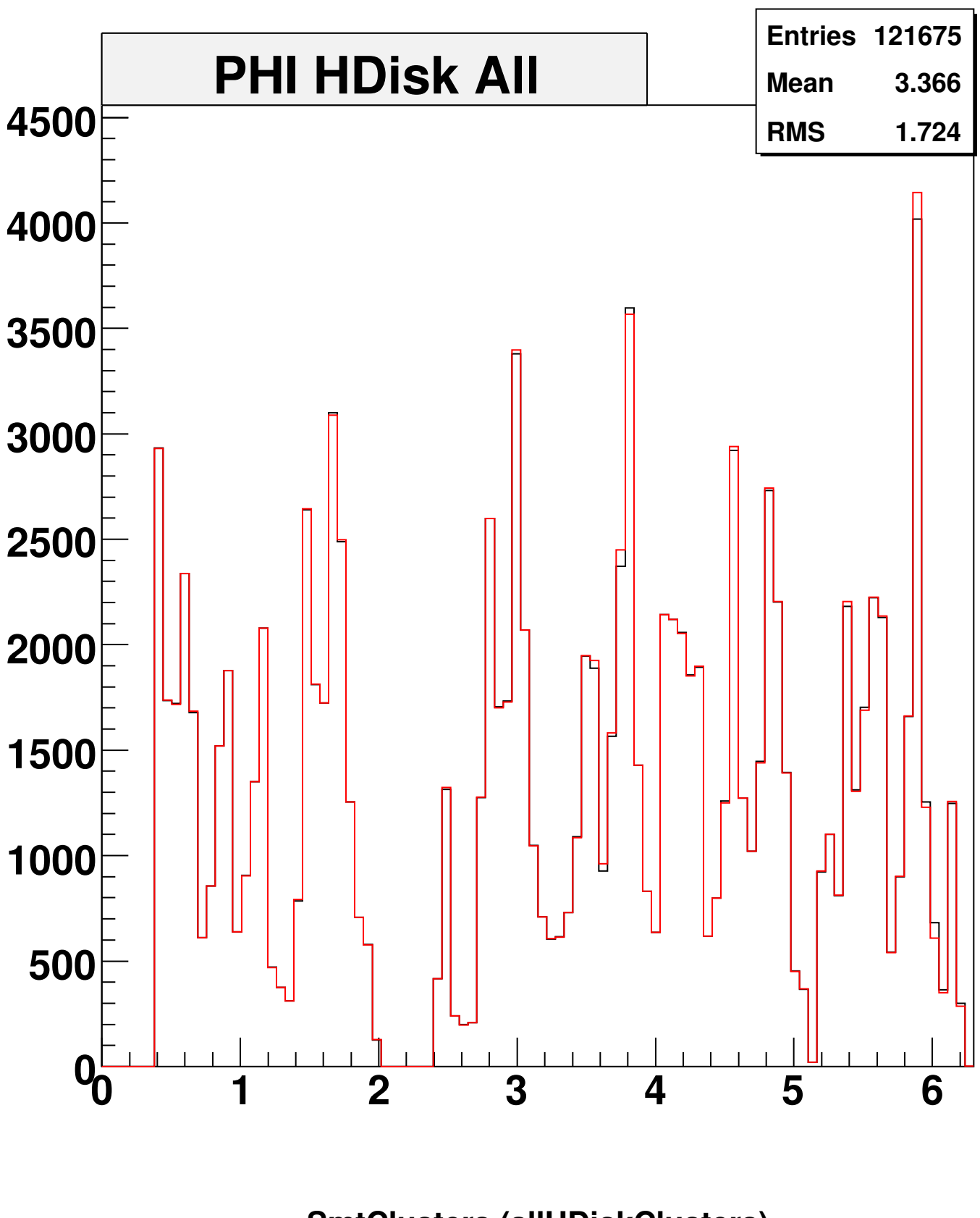


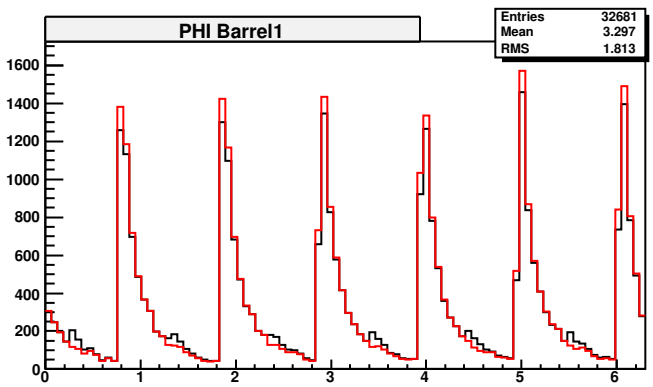


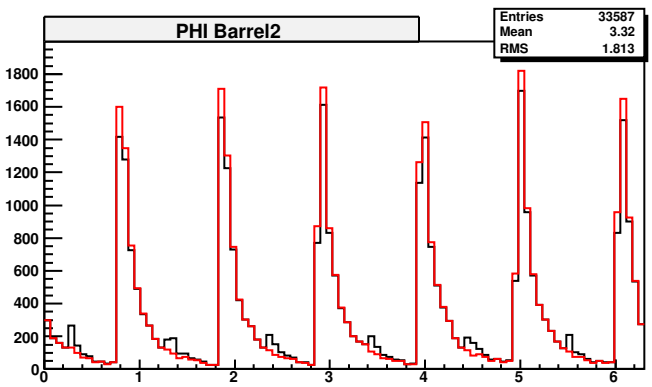
CPS Clusters (All Clusters)

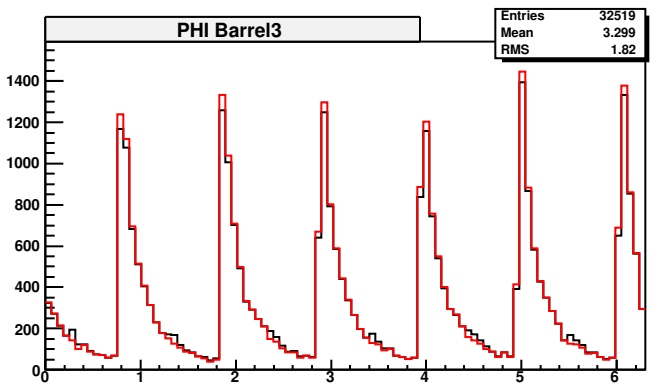

PHI
Entries 1515686
Mean 3.088
RMS 1.855
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

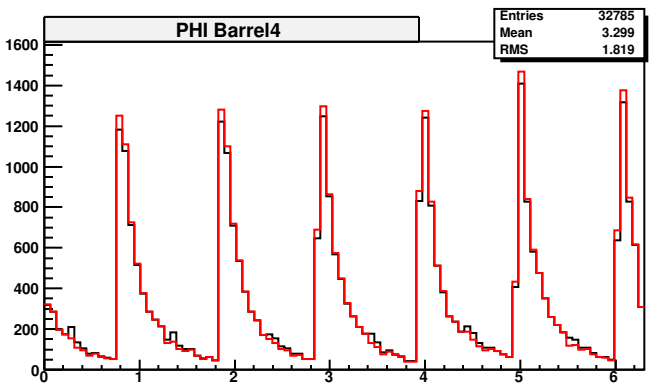

PHI FDisk All
Entries 576816
Mean 3.167
RMS 1.852
8000
6000
4000
2000
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

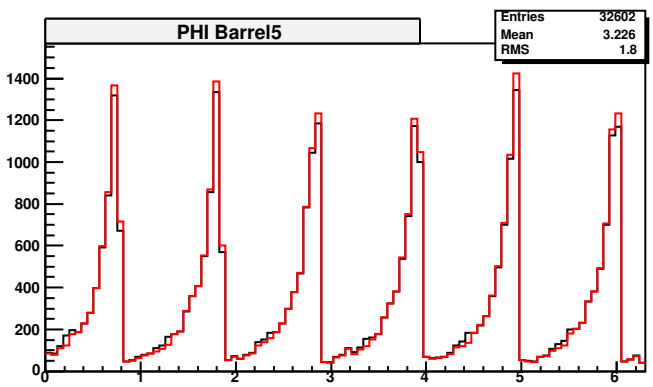

PHI HDisk All
Entries 121675
Mean 3.366
RMS 1.724
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

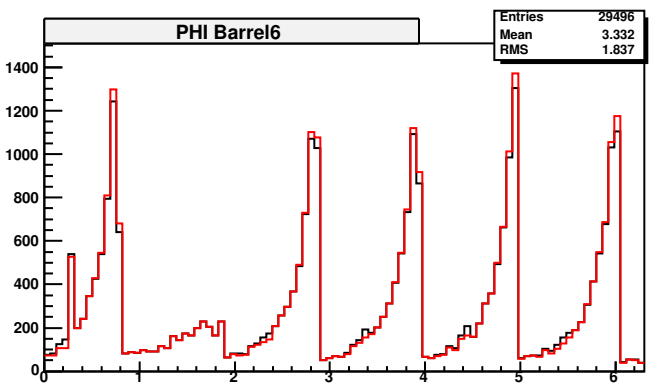


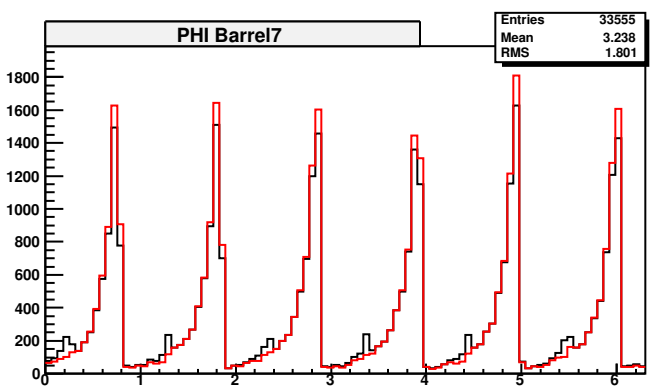


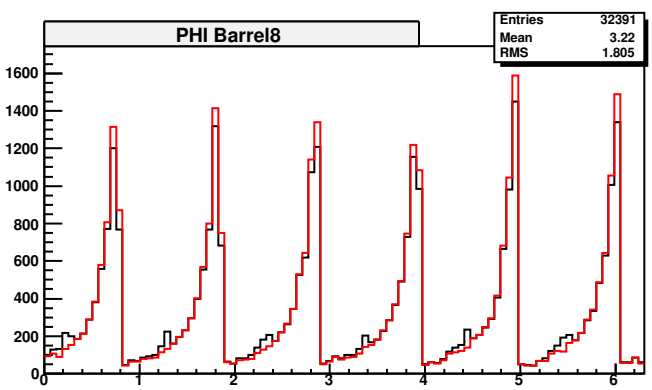




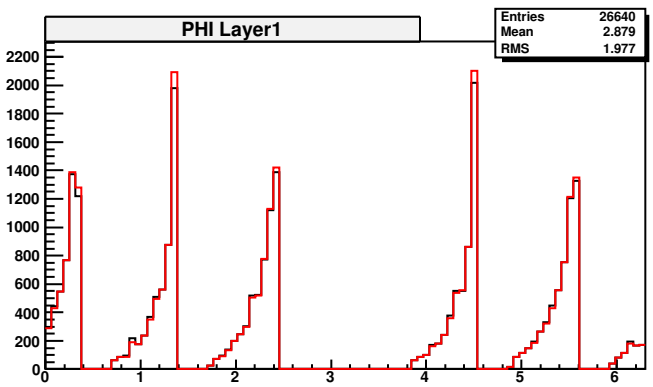


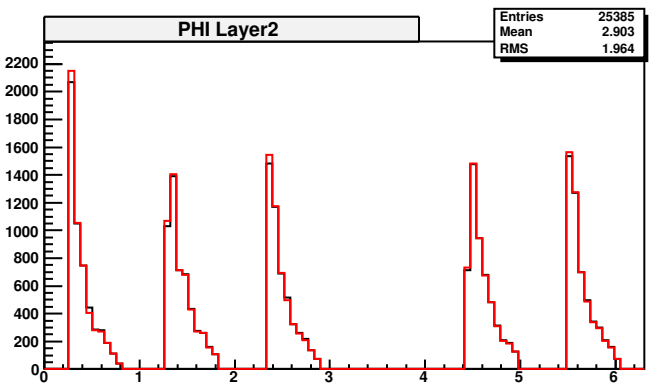


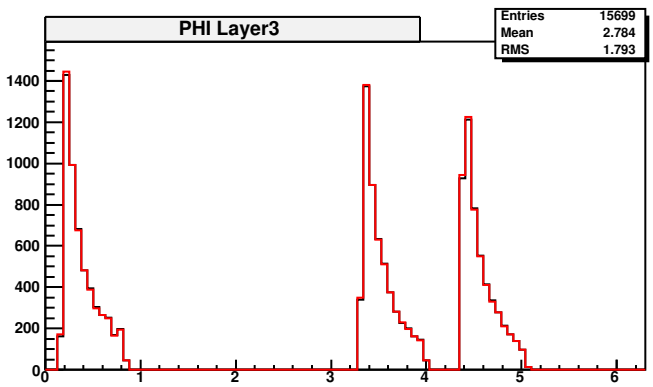


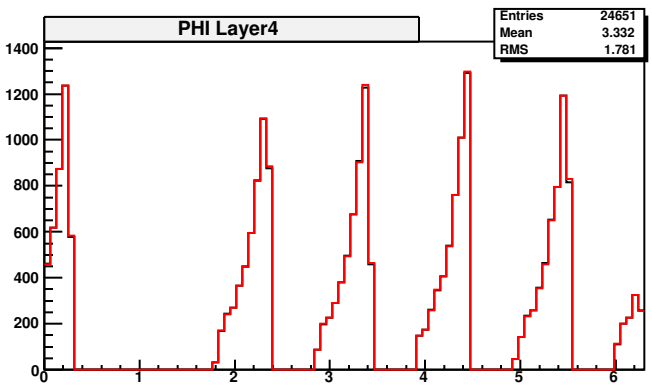


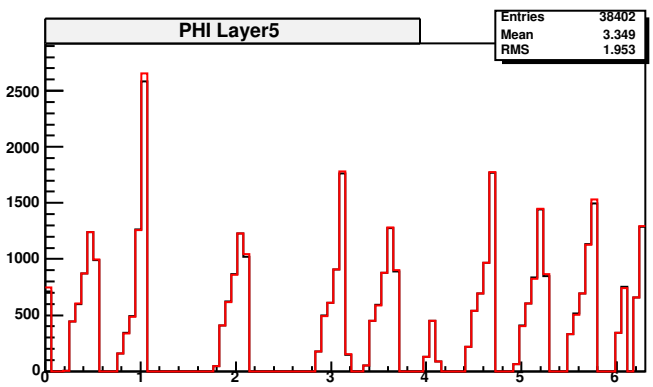
SmtClusters (ClustrLayer0)

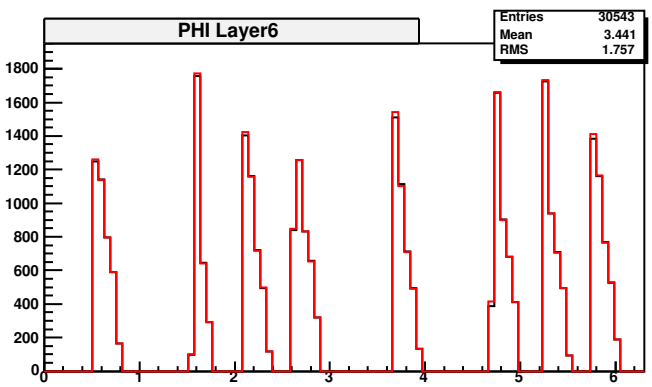


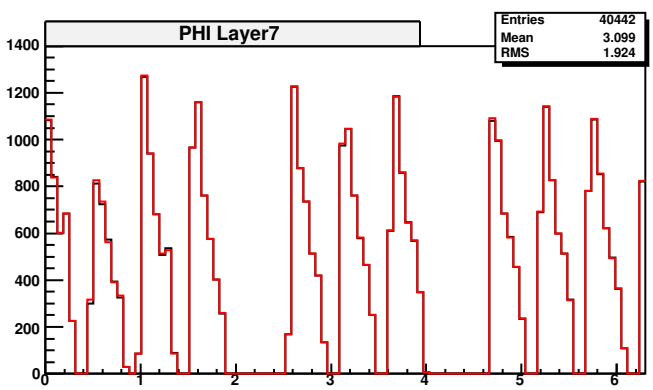


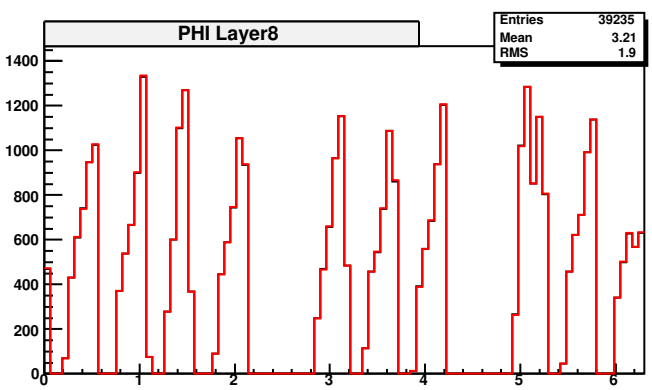




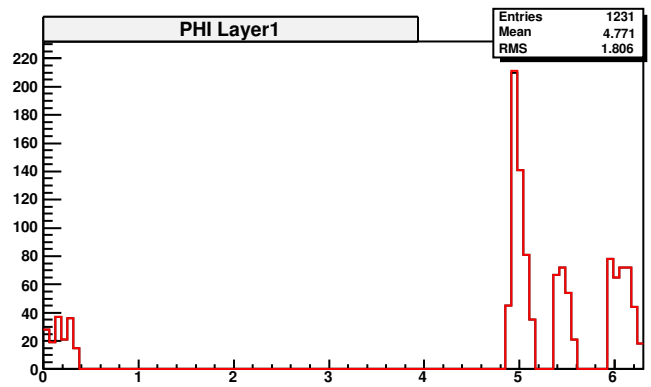


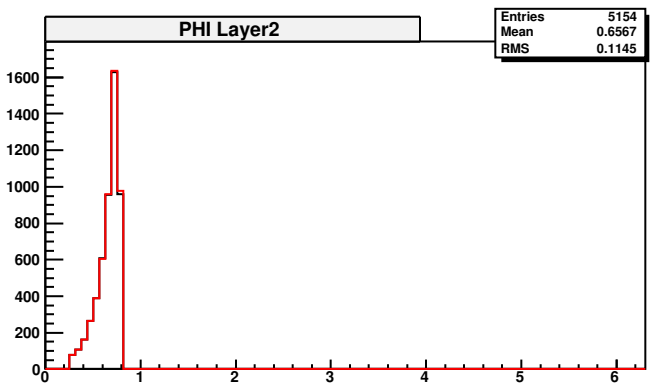


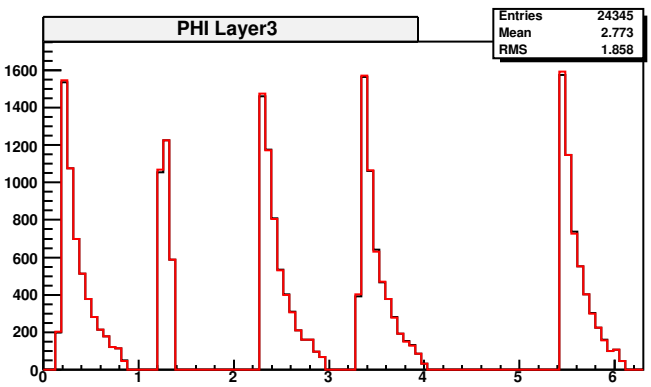


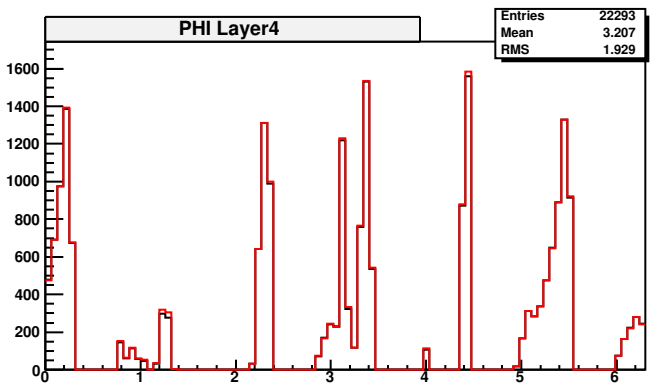


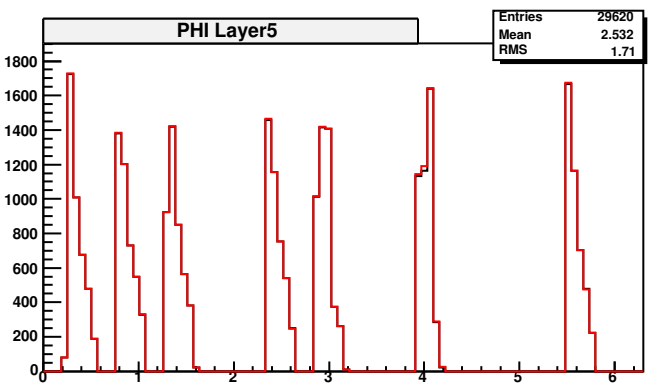
SmtClusters (ClustrBar1)

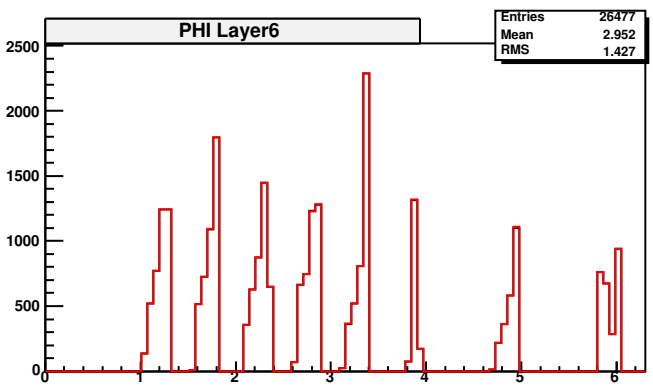


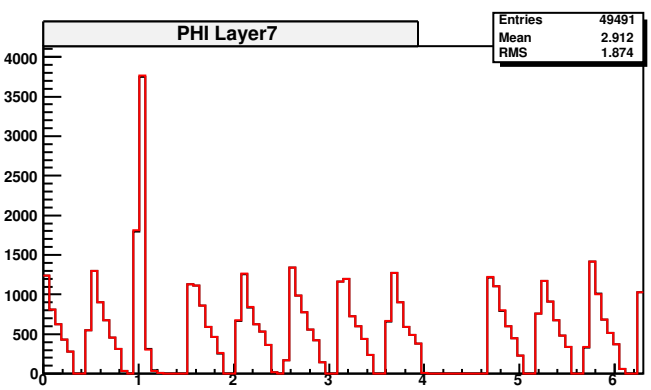


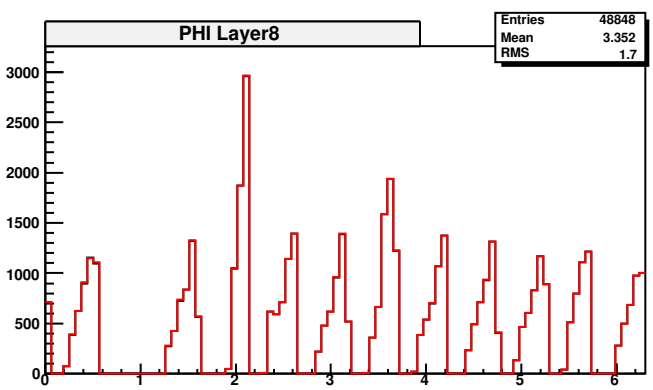




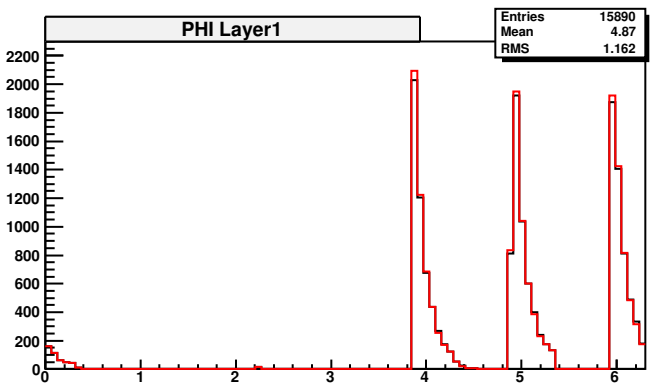


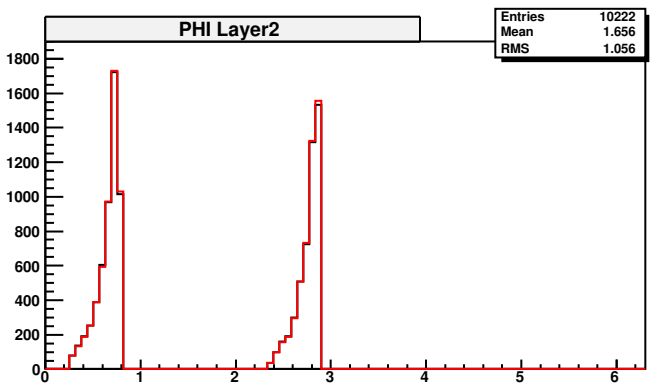


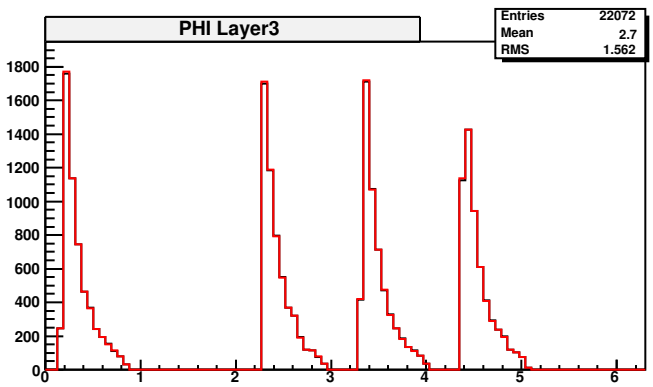


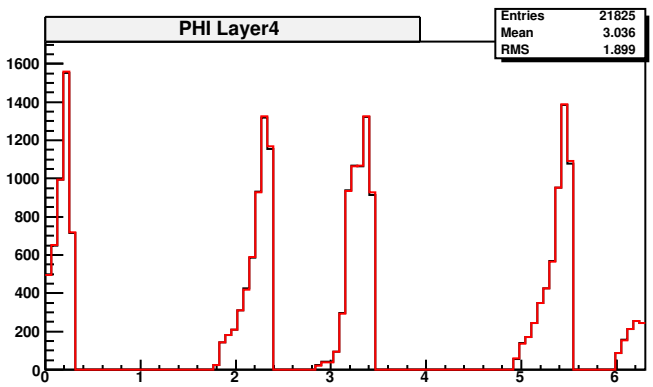


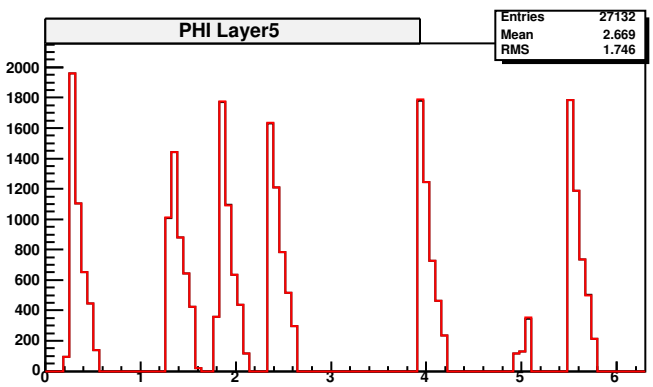
SmtClusters (ClustrBar2)

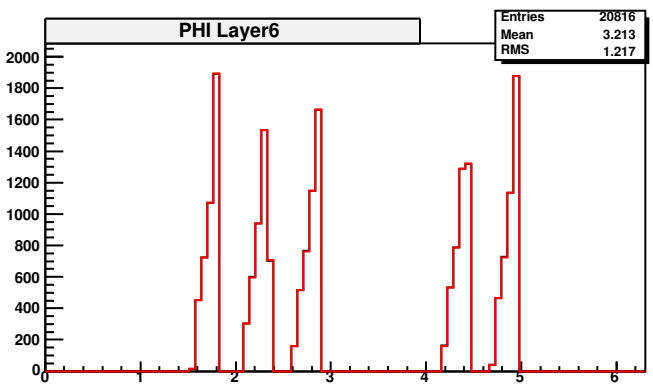


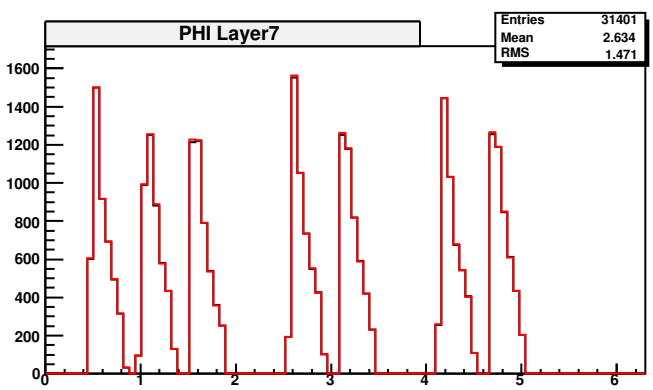


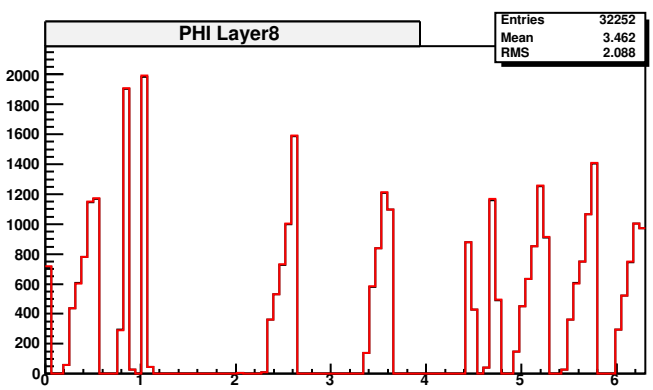




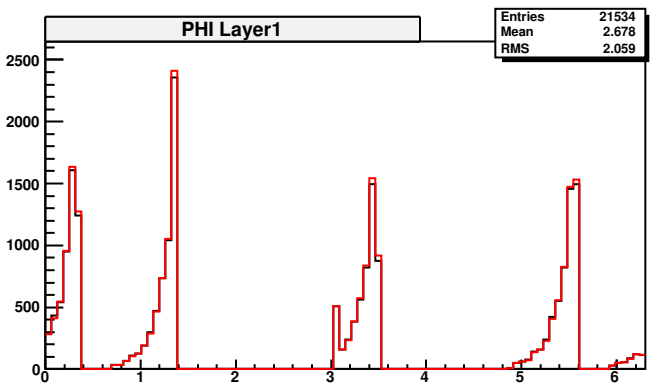


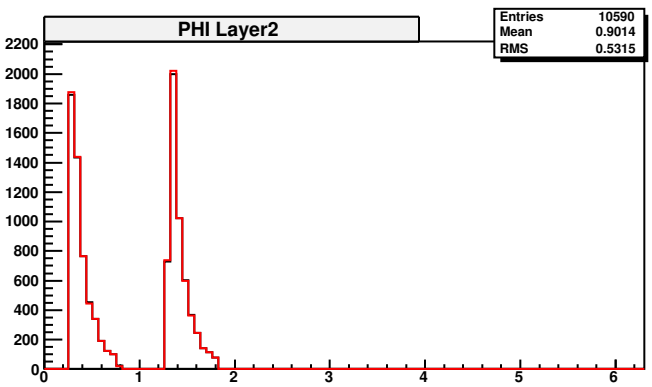


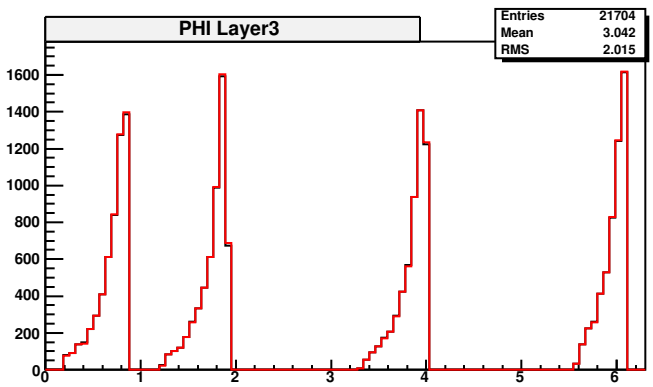


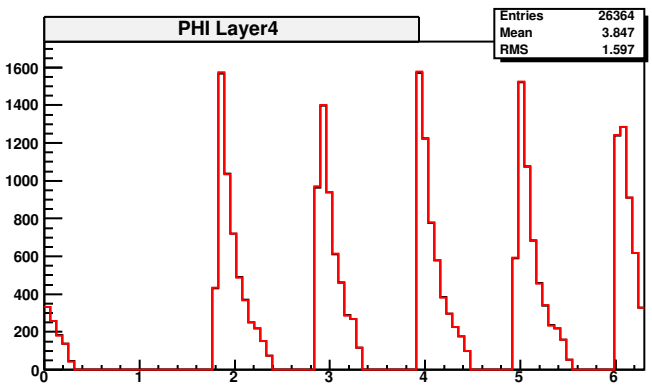


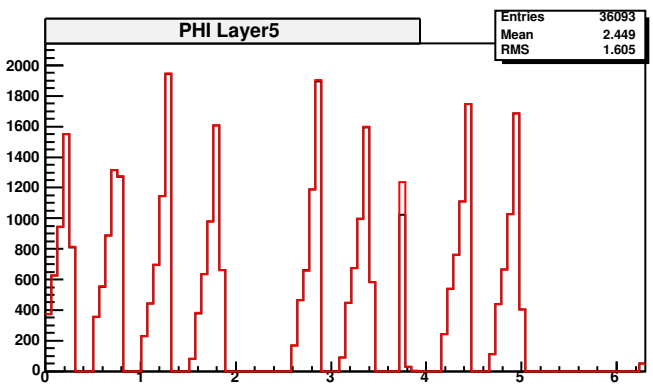
SmtClusters (ClustrBar3)

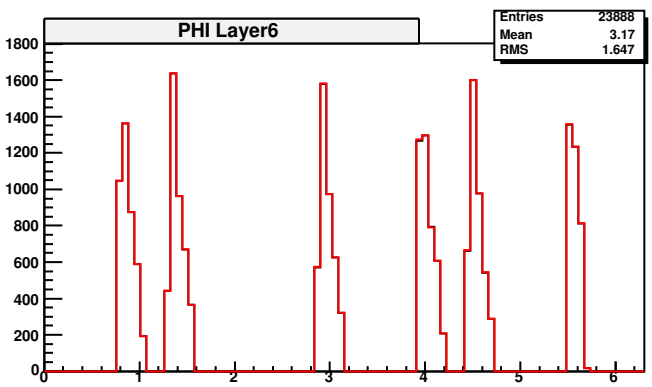


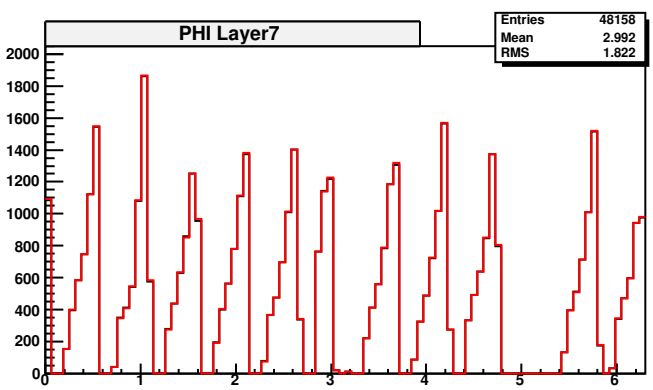


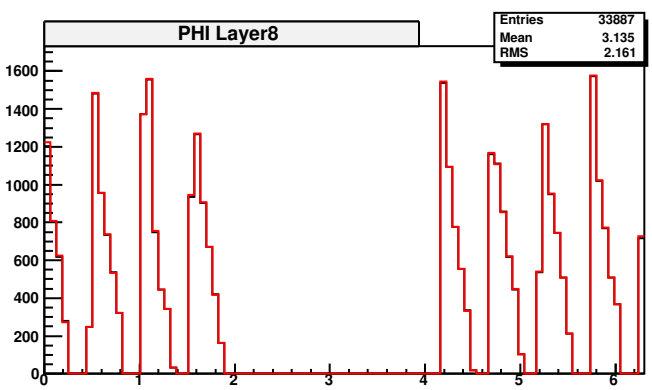




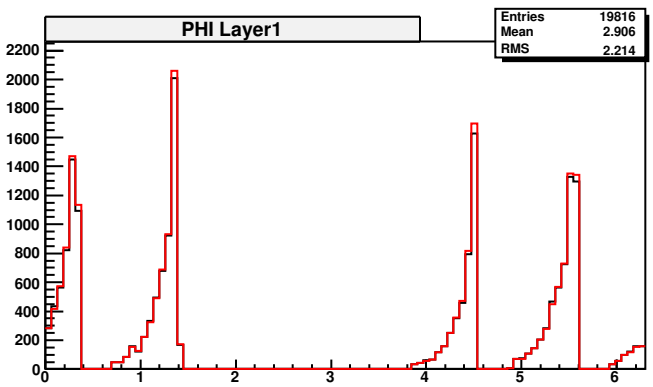


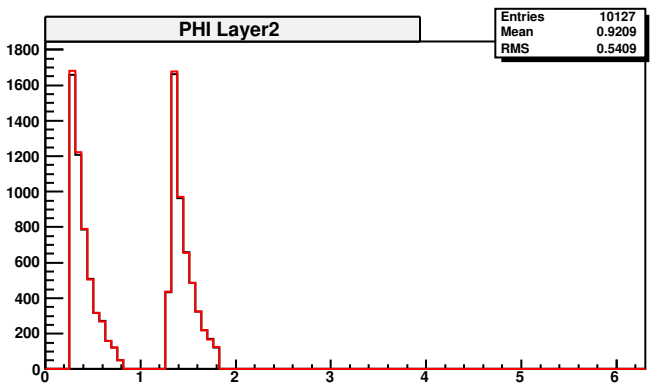


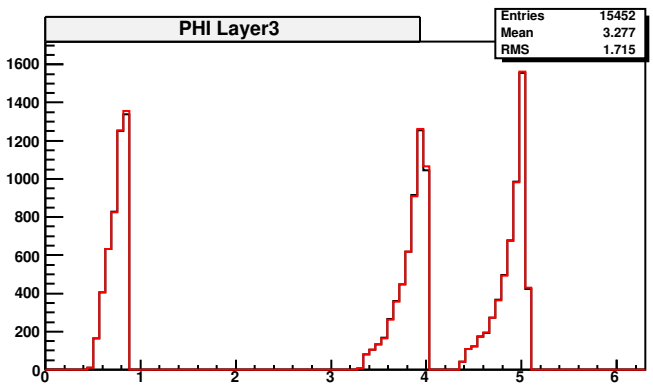


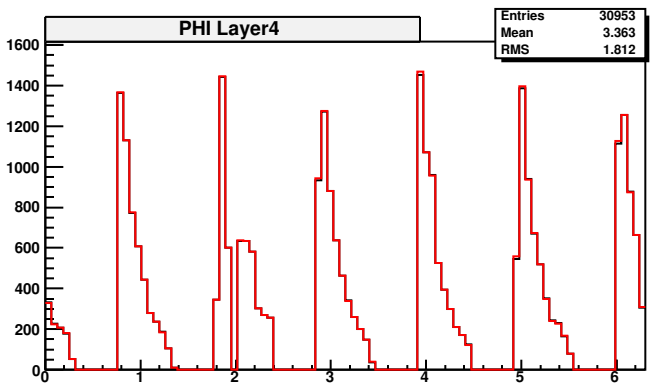


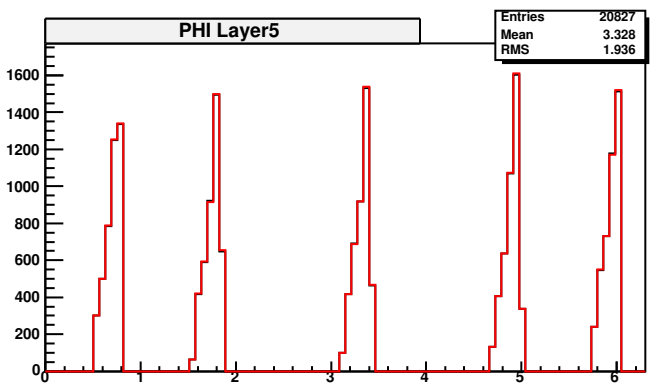
SmtClusters (ClustrBar4)

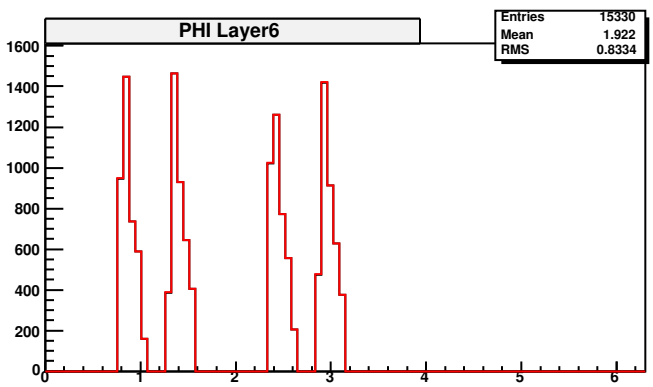


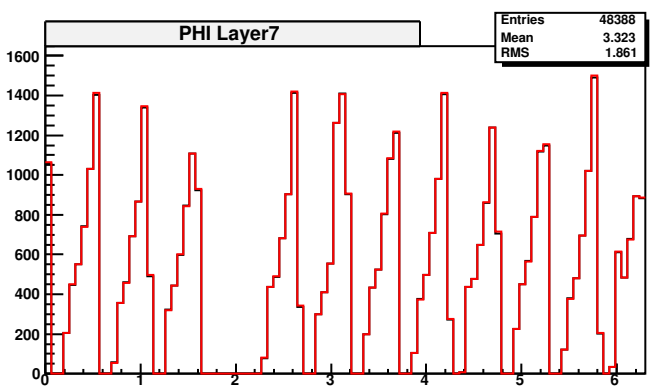


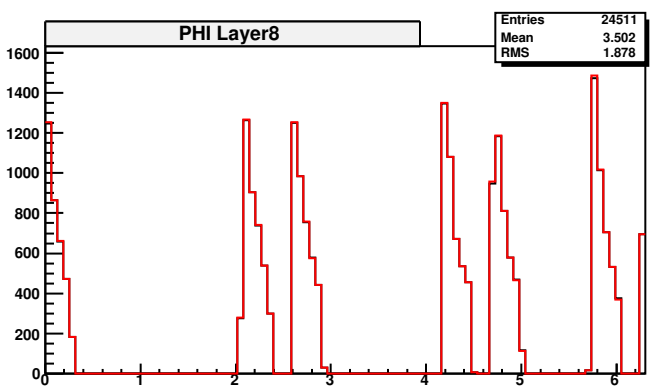




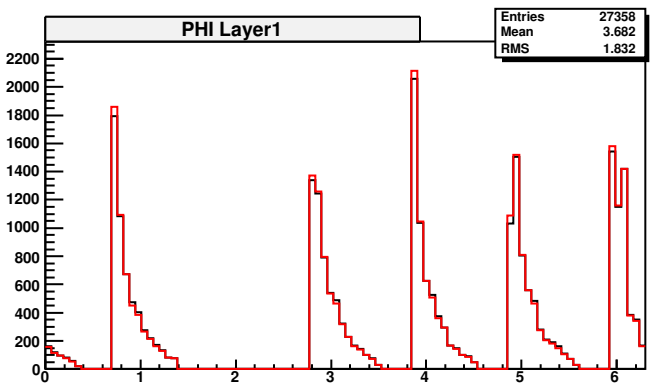


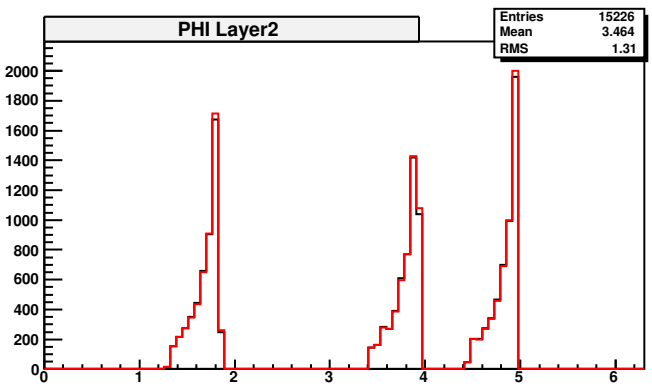


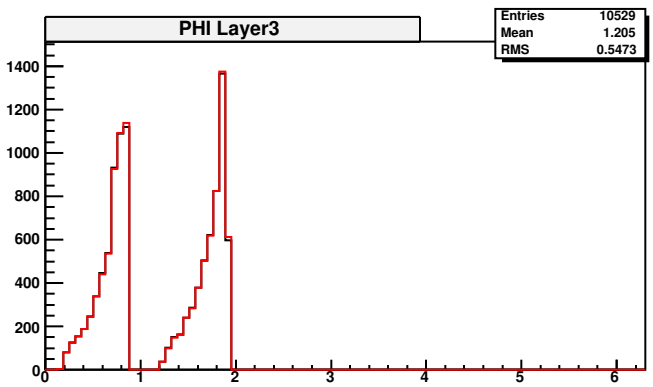


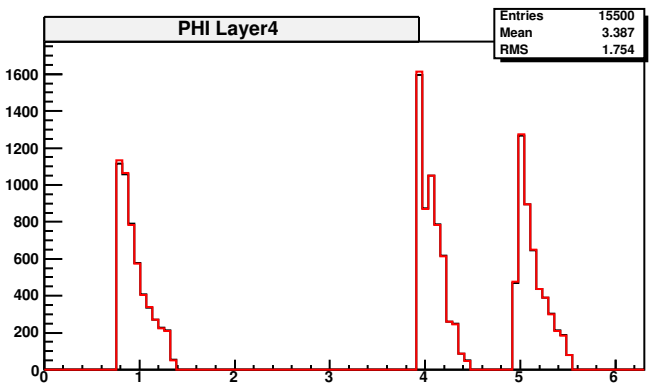


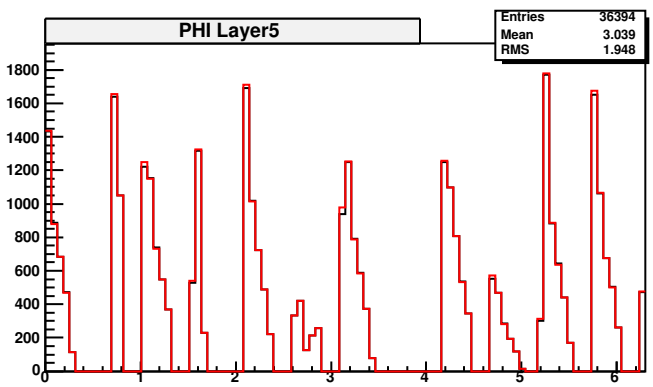
SmtClusters (ClustrBar5)

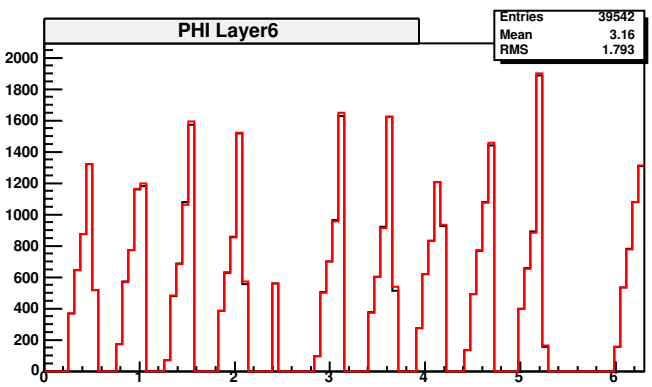


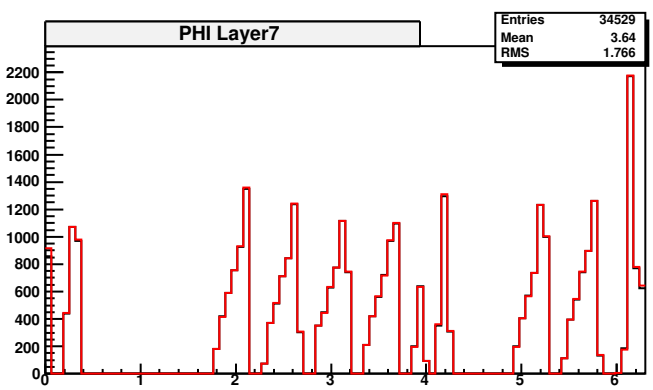


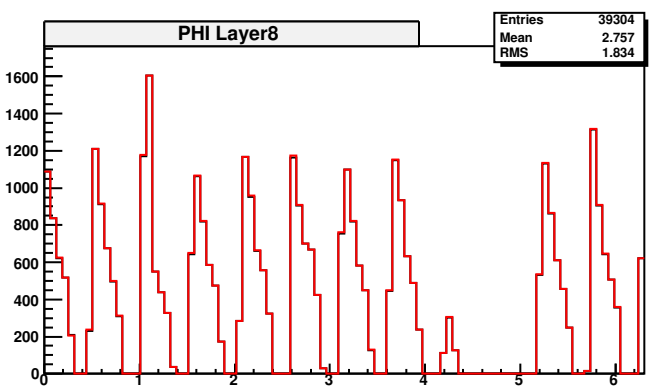




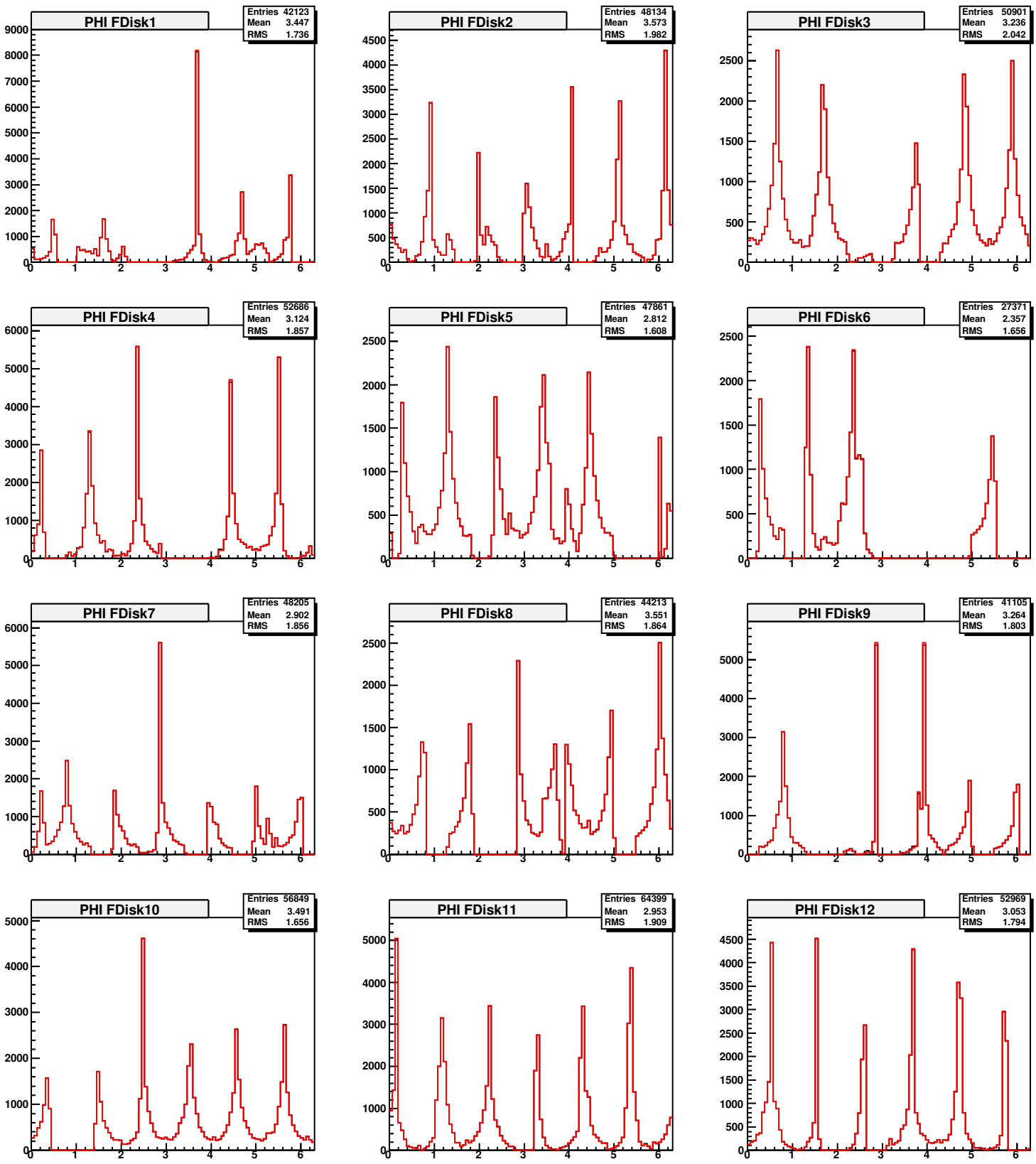




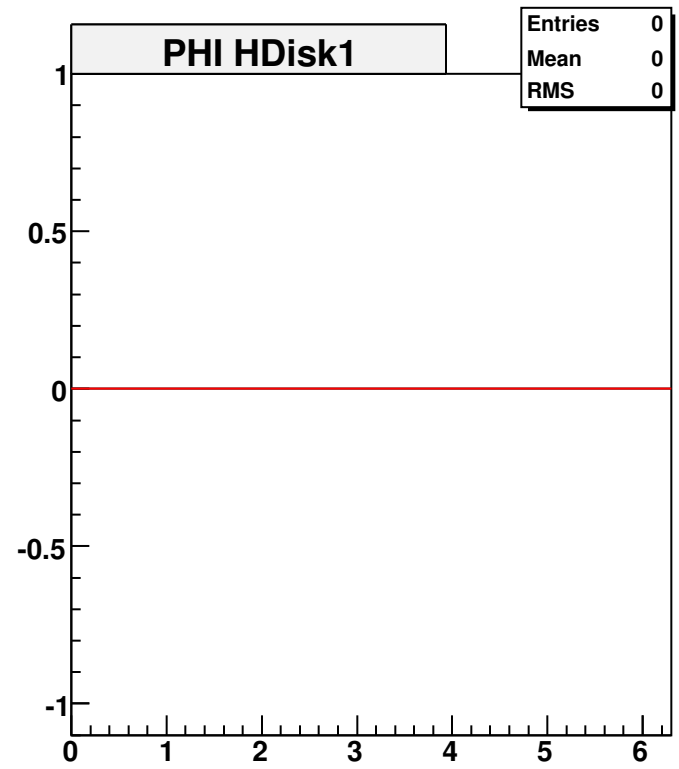


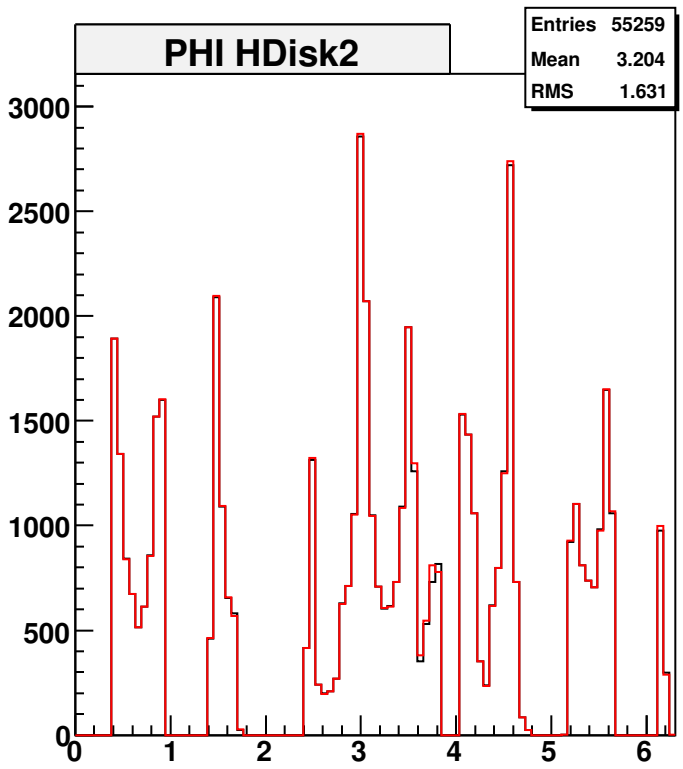


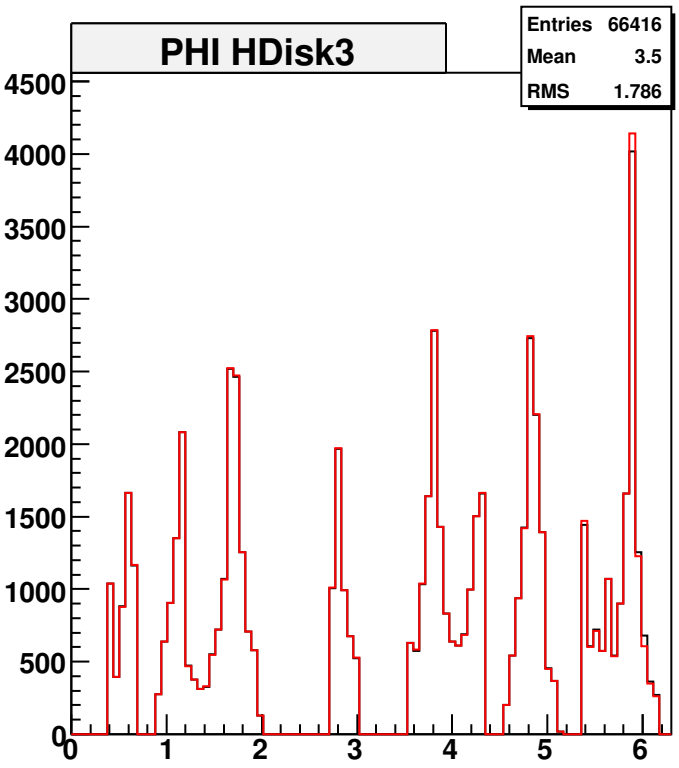
SmtClusters (ClustrBar6)

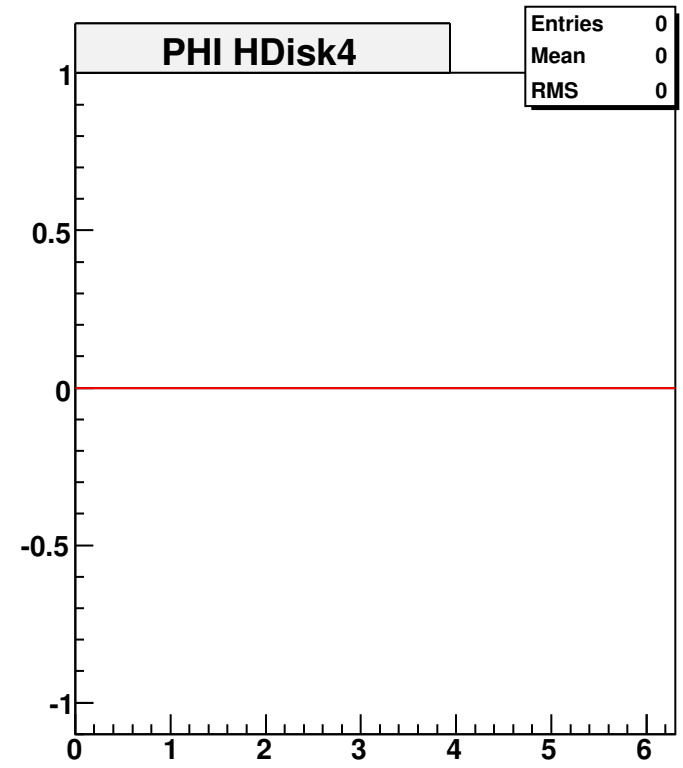


SmtClusters (FDiskClusters)

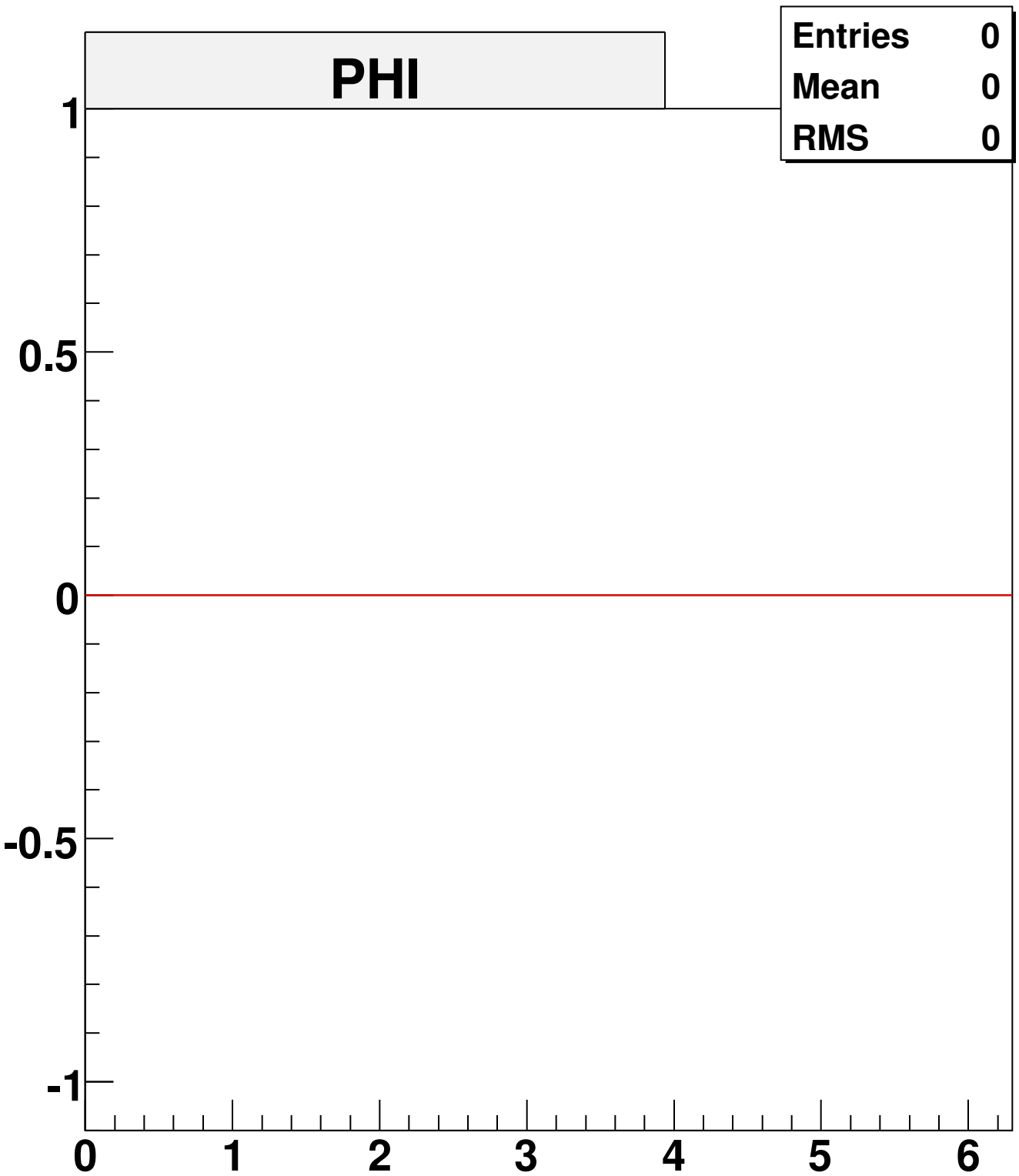


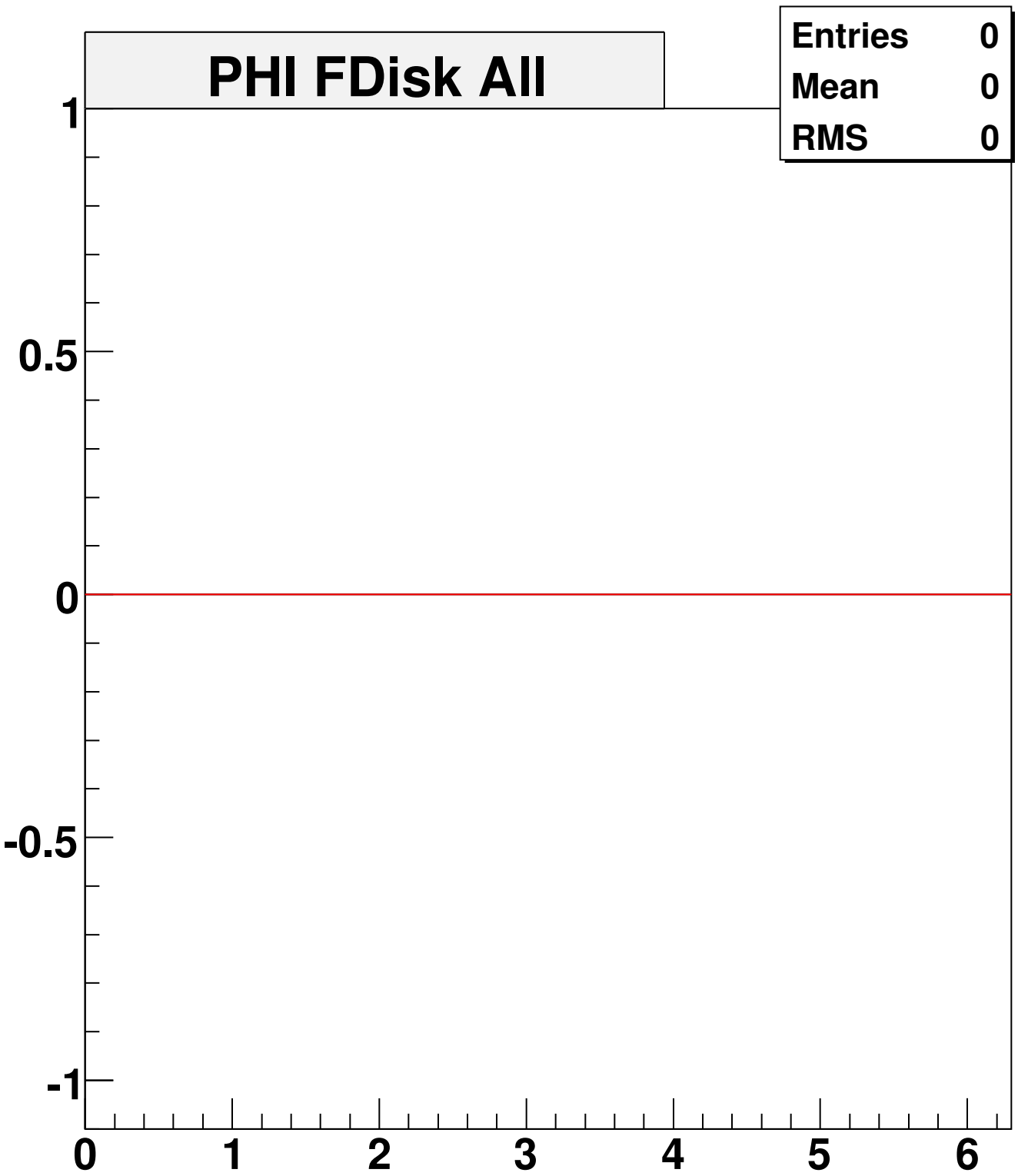






SmtClusters (HDiskClusters)


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
RMS 0
1
0.5
0
-0.5
-1
0
1
2
3
4
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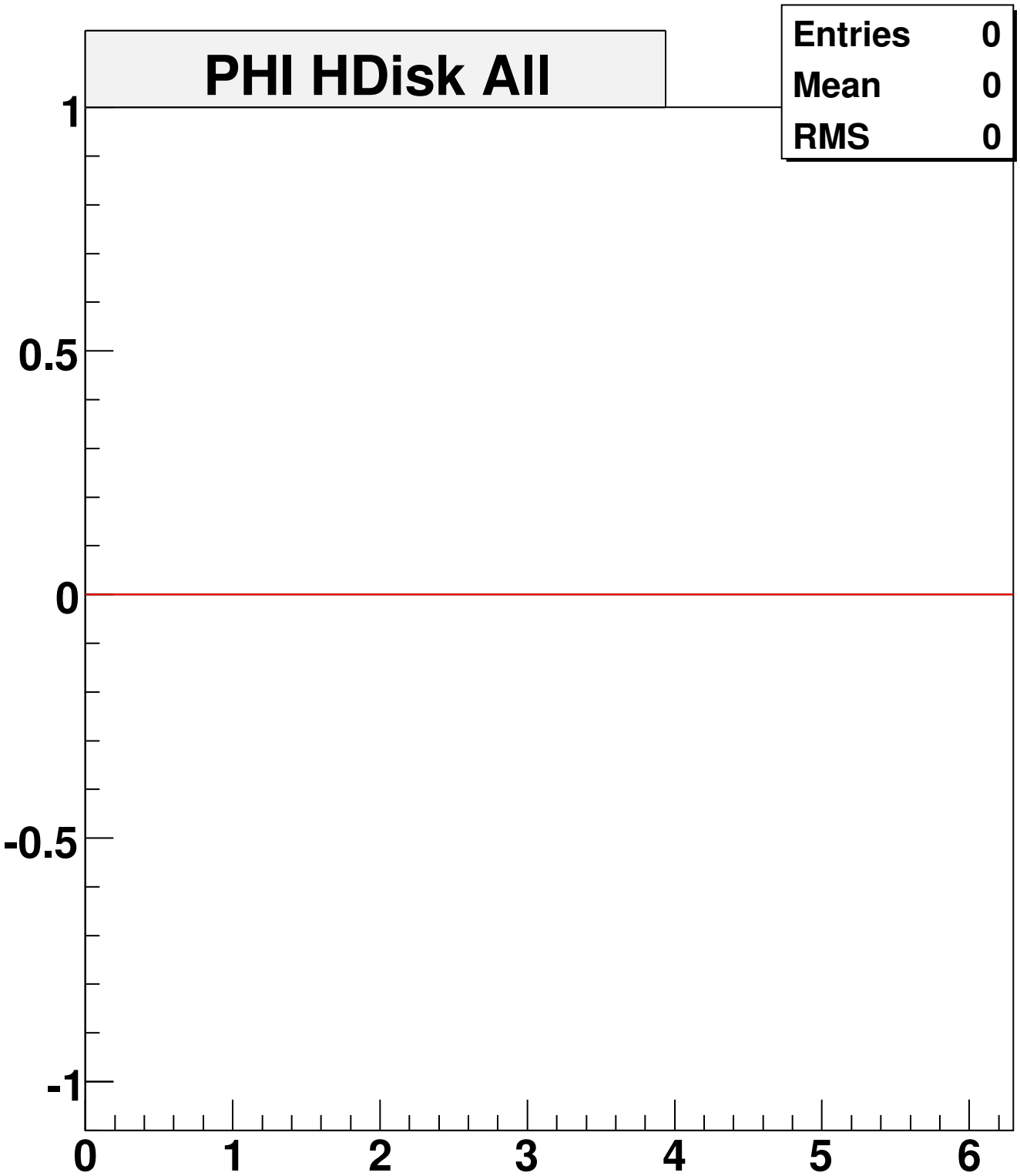
6
SmtClusters (allFDiskTClusters)


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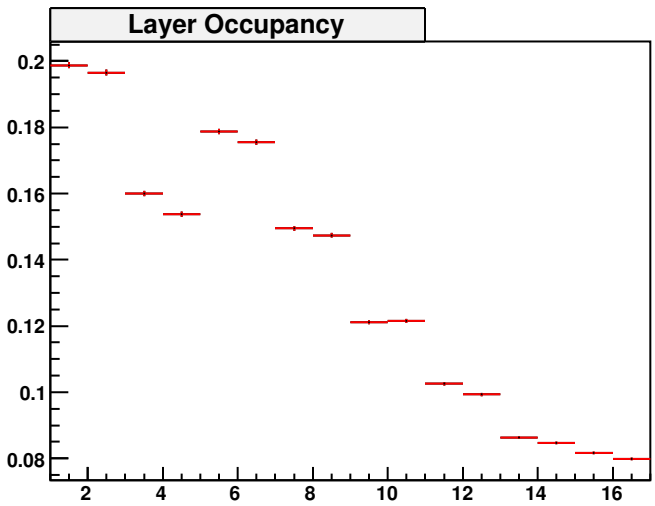
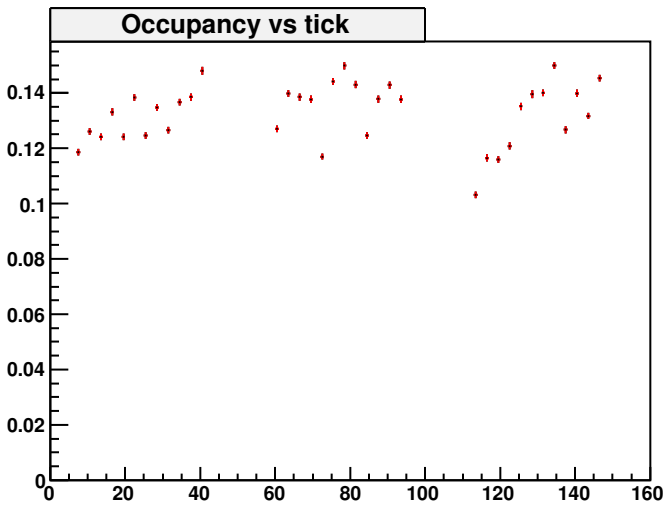
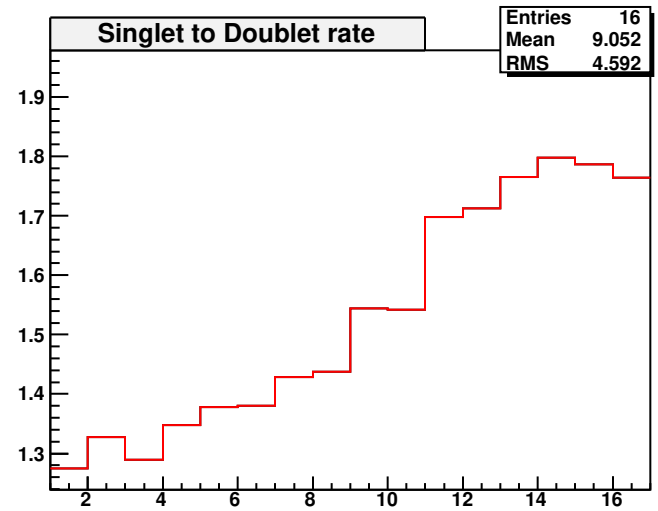
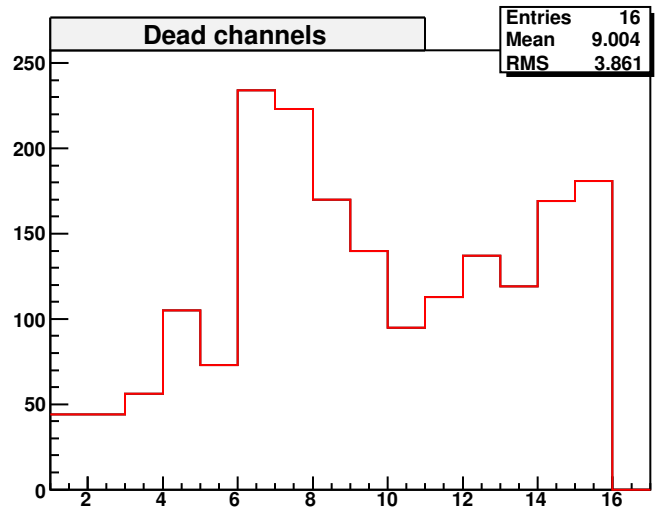
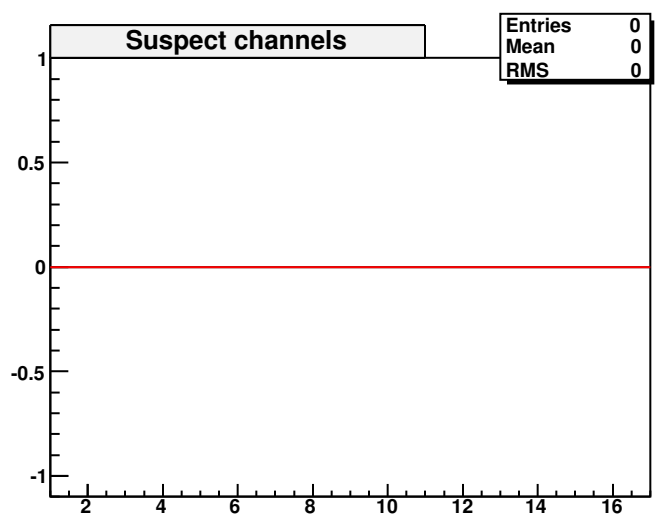
6
SmtClusters (allHDiskTClusters)

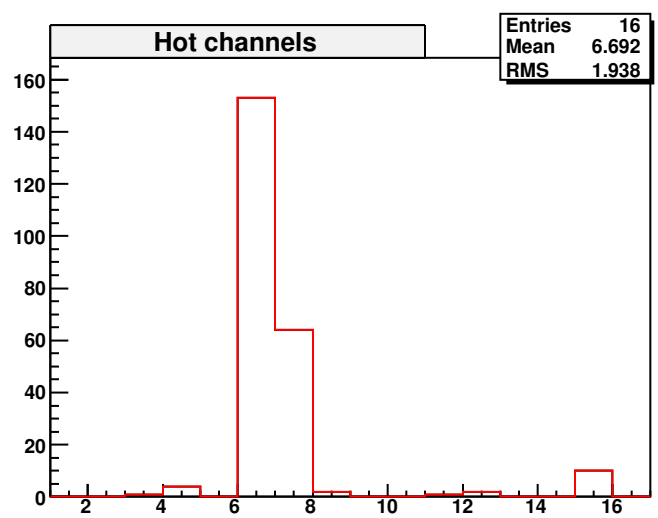




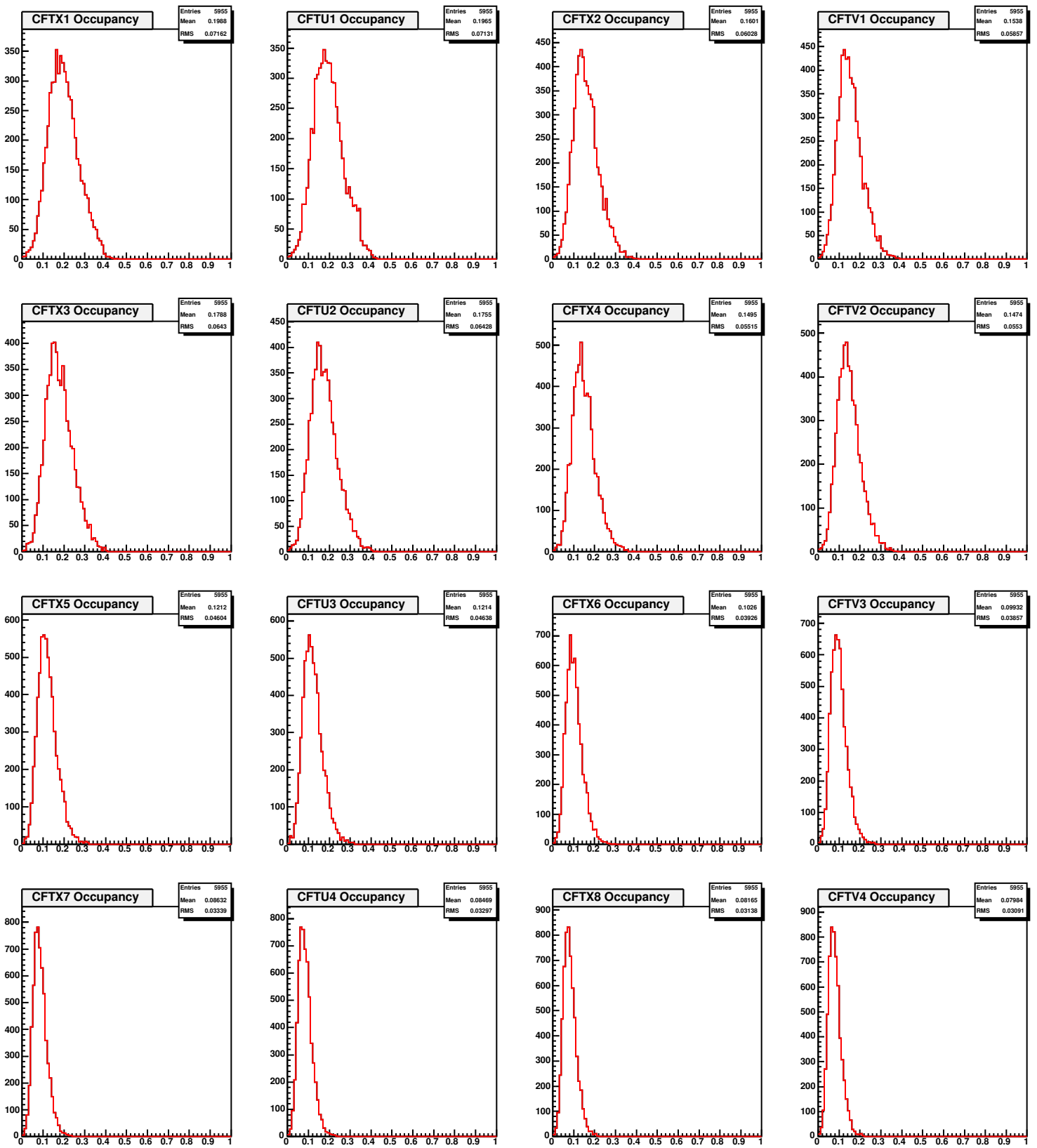




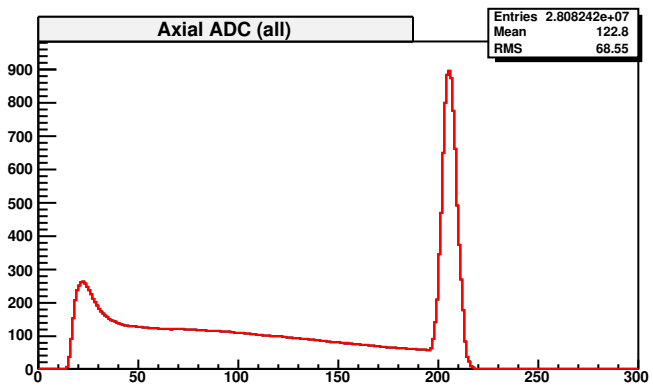


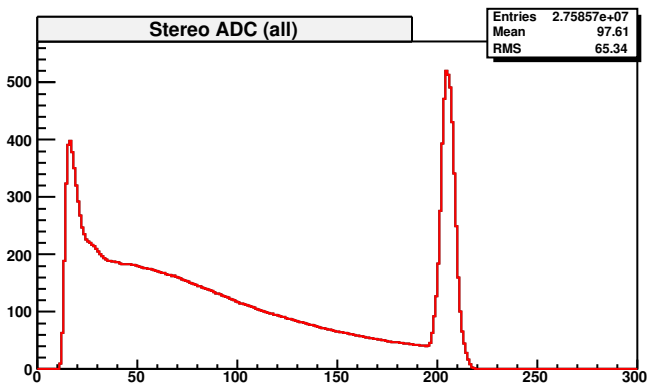


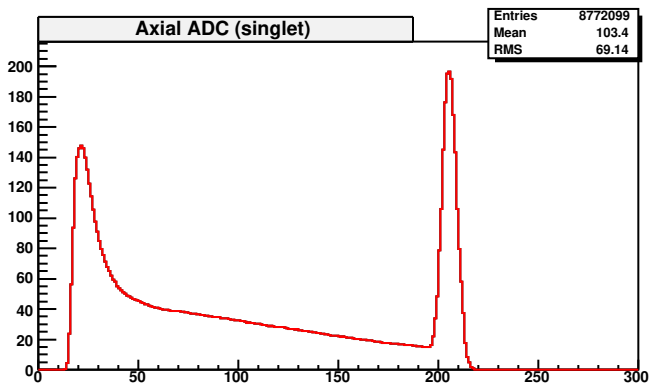
CFT Summary (All Clusters)

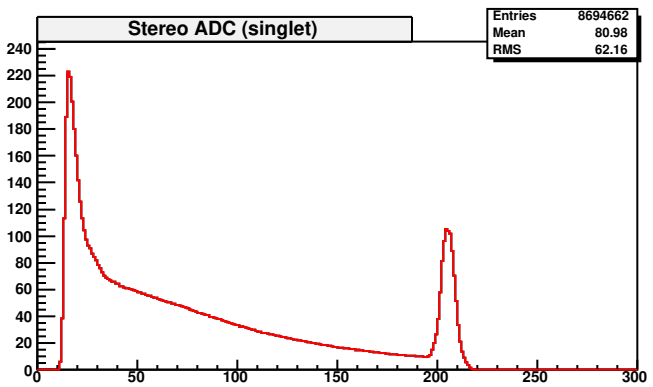


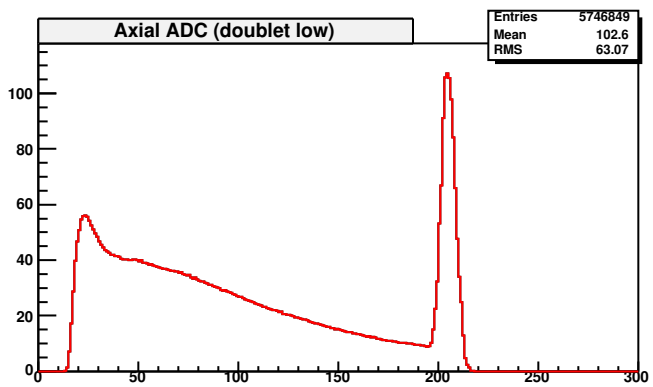
CFT Occupancy (All Clusters)

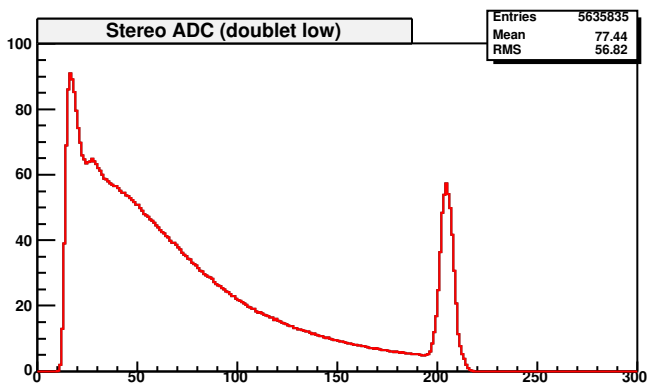


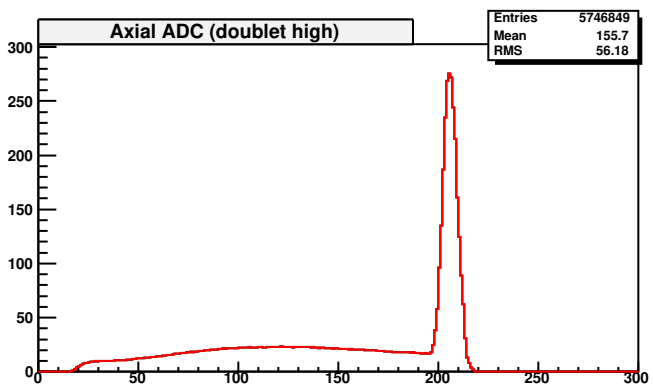


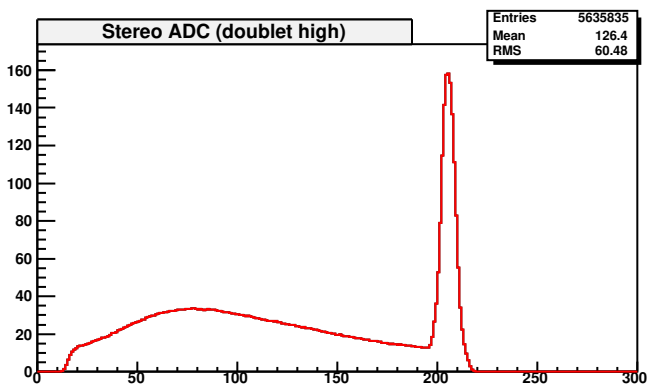




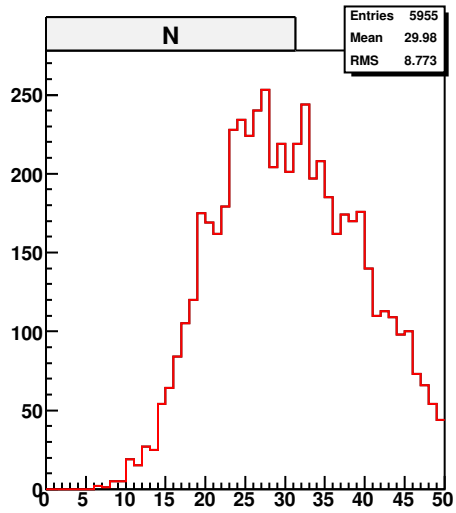


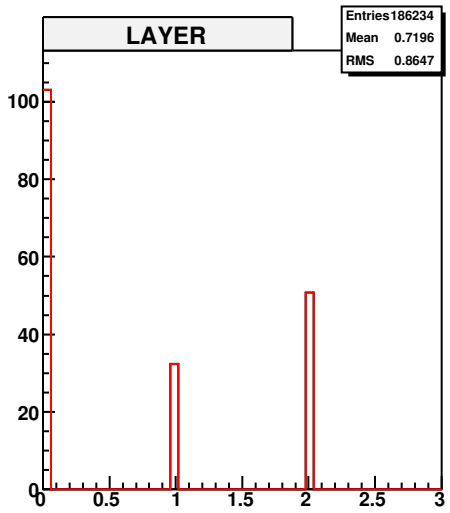


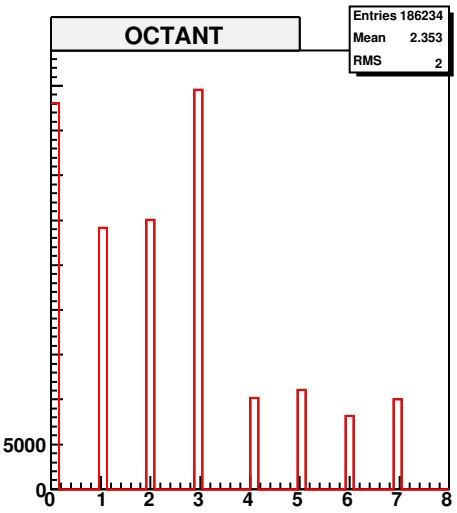


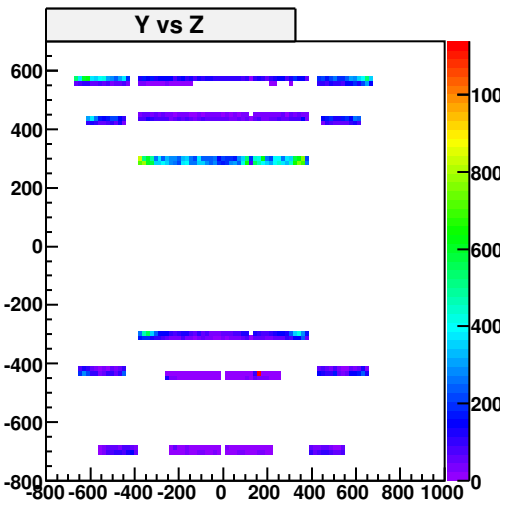


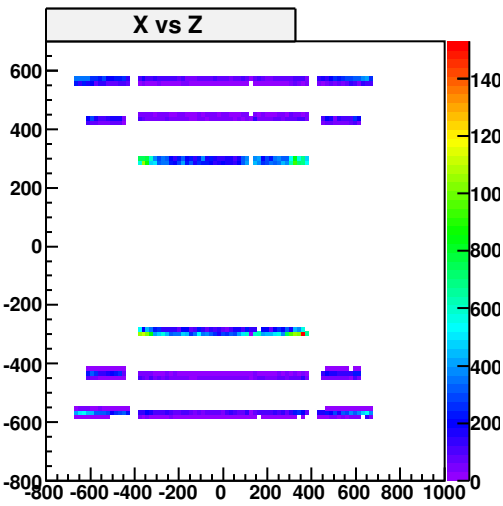
CFT ADC Summary (All Clusters)

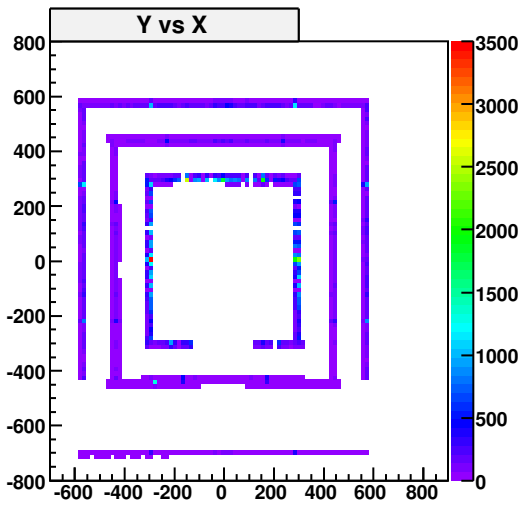

N
Entries 5955
Mean 29.98
RMS 8.773

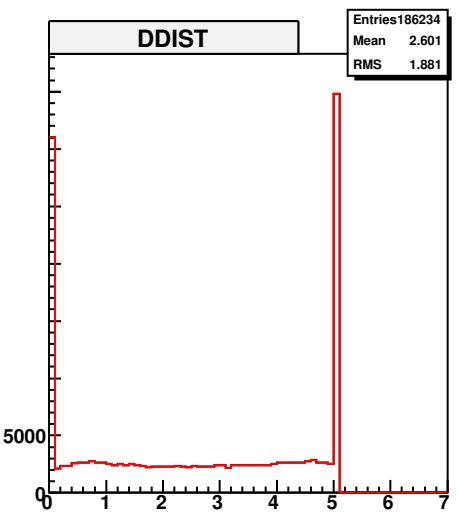

LAYER
Entries 186234
Mean 0.7196
RMS 0.8647

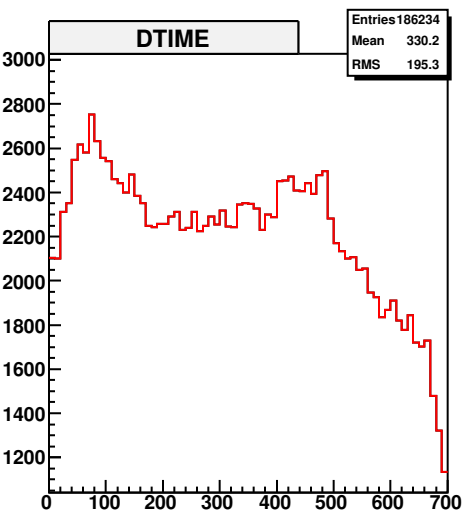

OCTANT
Entries 186234
Mean 2.353
RMS 2


Y vs Z

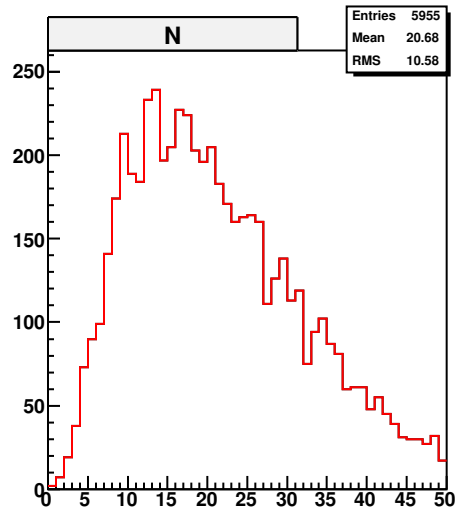

X vs Z

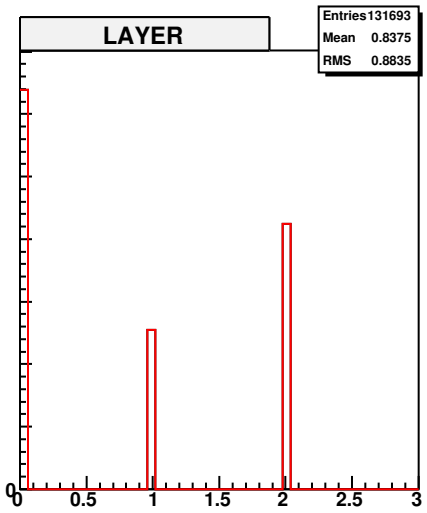

Y vs X

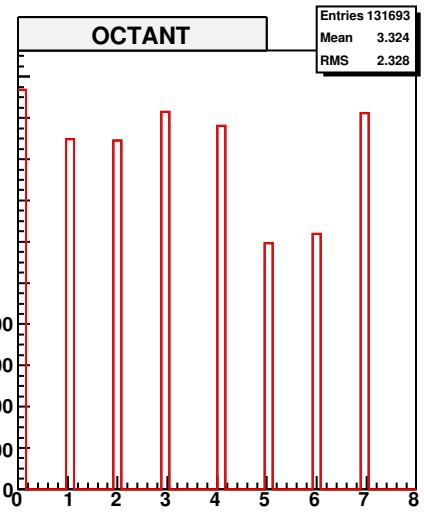

DDIST
Entries 186234
Mean 2.601
RMS 1.881

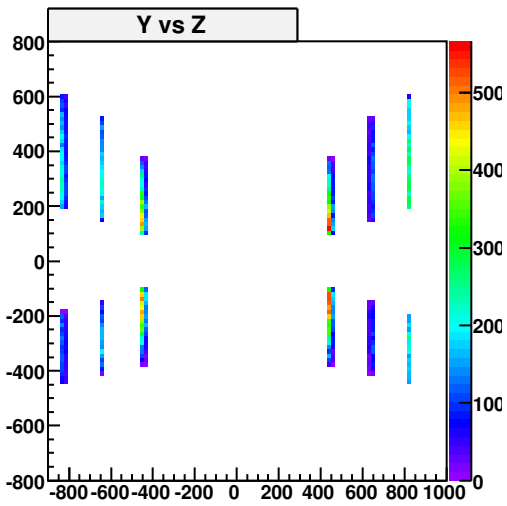

DTIME
Entries 186234
Mean 330.2
RMS 195.3

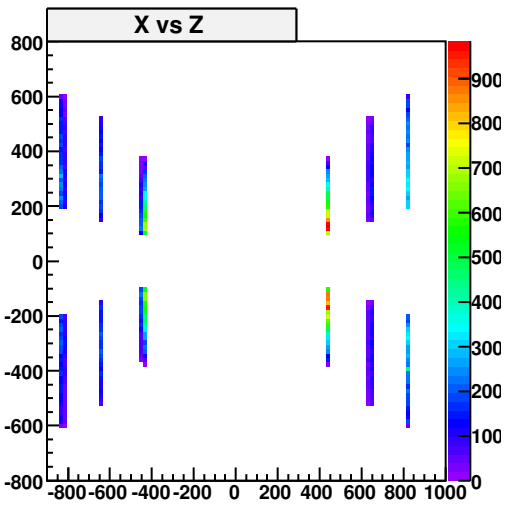
MuonPDT (All)

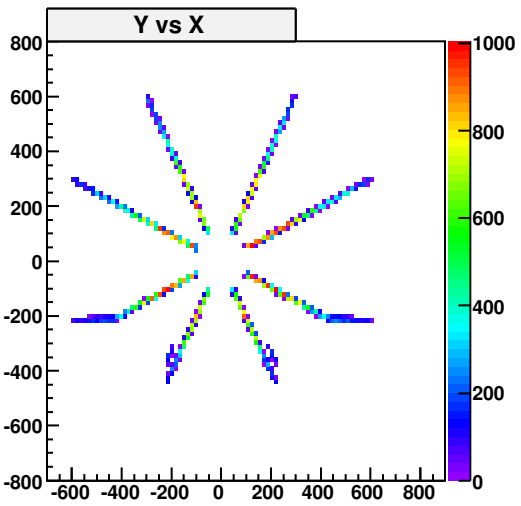

N
Entries 5955
Mean 20.68
RMS 10.58

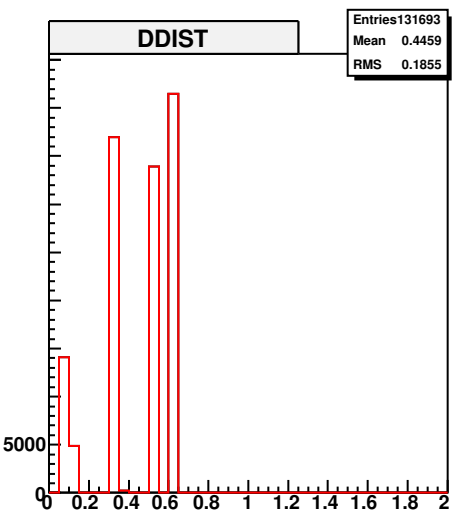

LAYER
Entries 131693
Mean 0.8375
RMS 0.8835

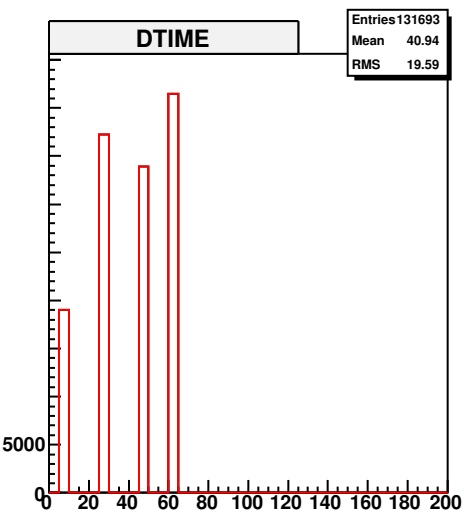

OCTANT
Entries 131693
Mean 3.324
RMS 2.328


Y vs Z

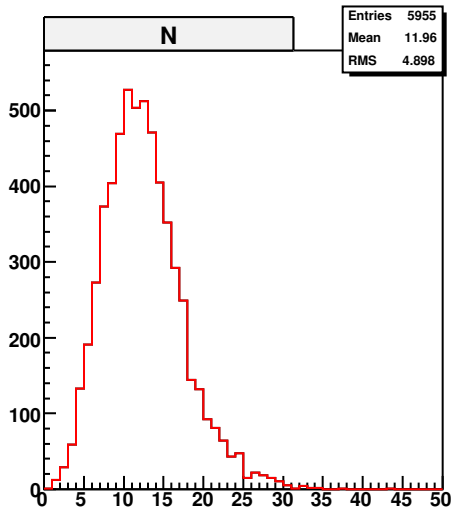

X vs Z

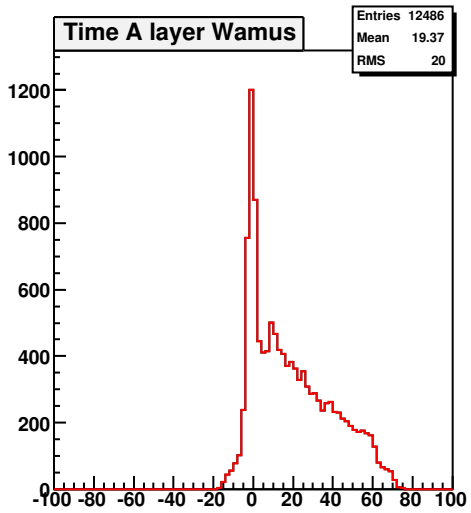

Y vs X

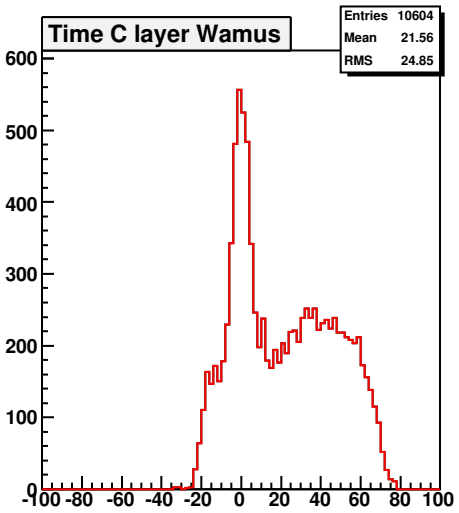

DDIST
Entries 131693
Mean 0.4459
RMS 0.1855

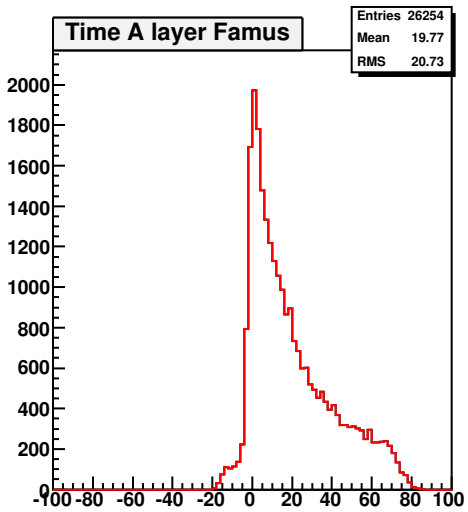

DTIME
Entries 131693
Mean 40.94
RMS 19.59

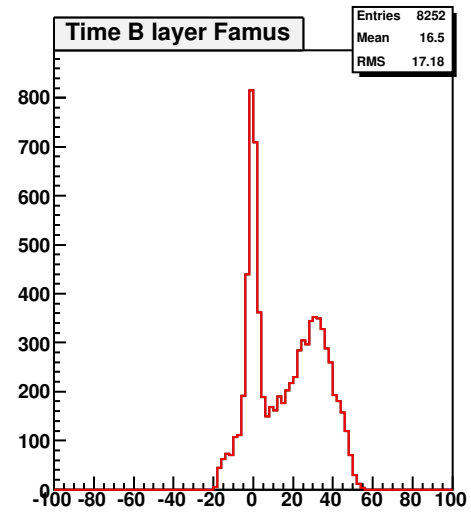
MuonMDT (All)

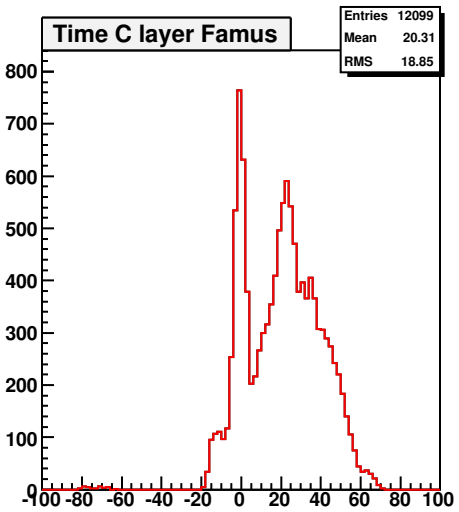

N
Entries 5955
Mean 11.96
RMS 4.898

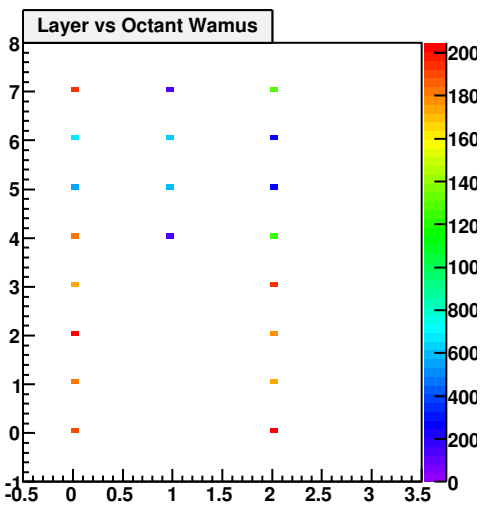

Time A layer Wamus
Entries 12486
Mean 19.37
RMS 20

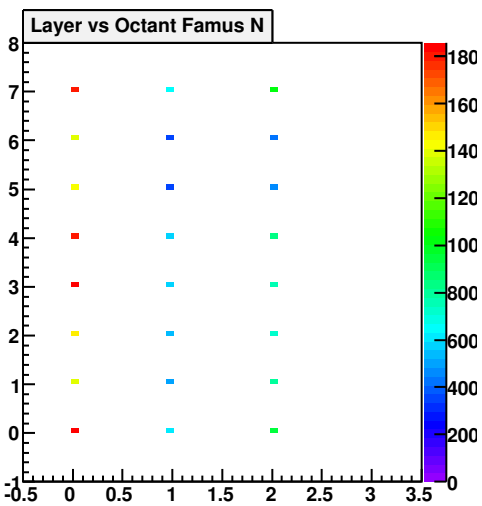

Time C layer Wamus
Entries 10604
Mean 21.56
RMS 24.85

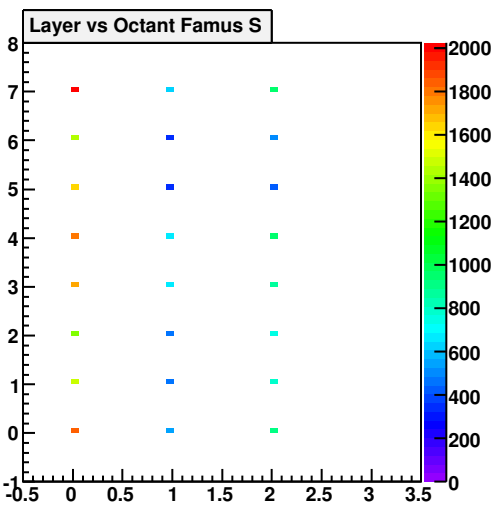

Time A layer Famus
Entries 26254
Mean 19.77
RMS 20.73


Time B layer Famus
Entries 8252
Mean 16.5
RMS 17.18

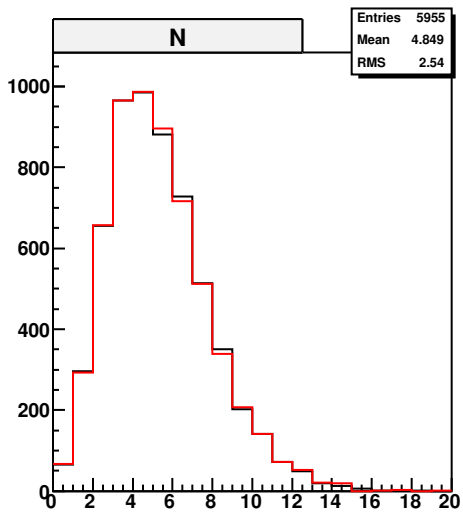

Time C layer Famus
Entries 12099
Mean 20.31
RMS 18.85

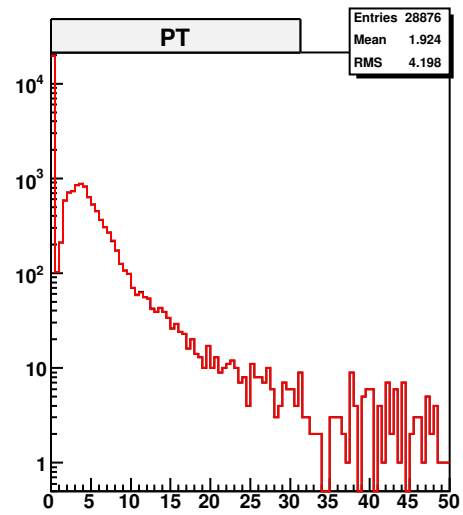

Layer vs Octant Wamus

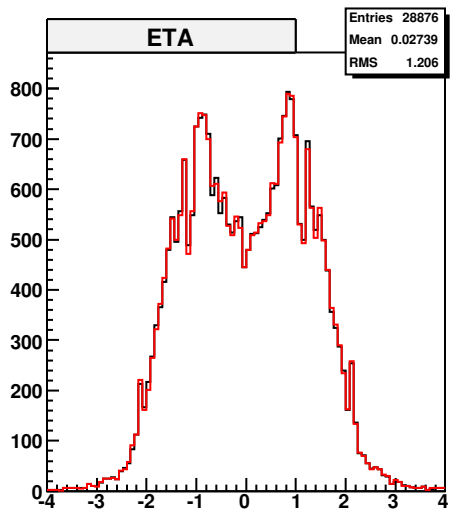

Layer vs Octant Famus N

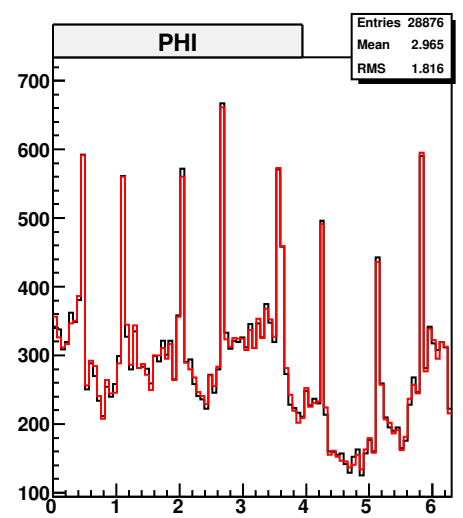

Layer vs Octant Famus S

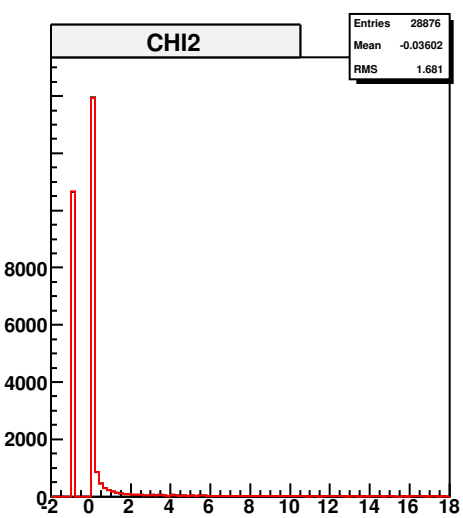
MuonMSC (All)

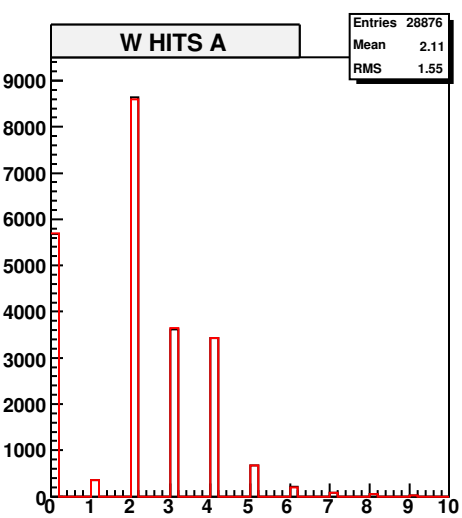


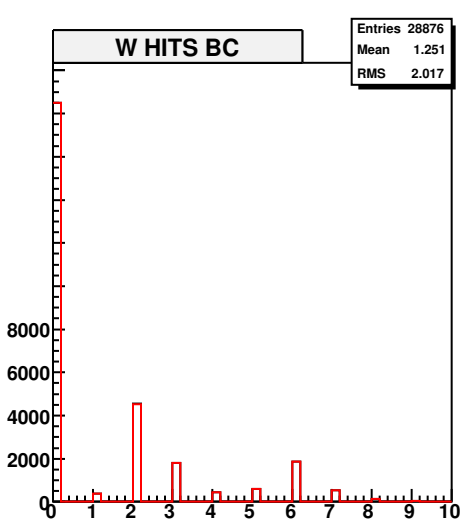


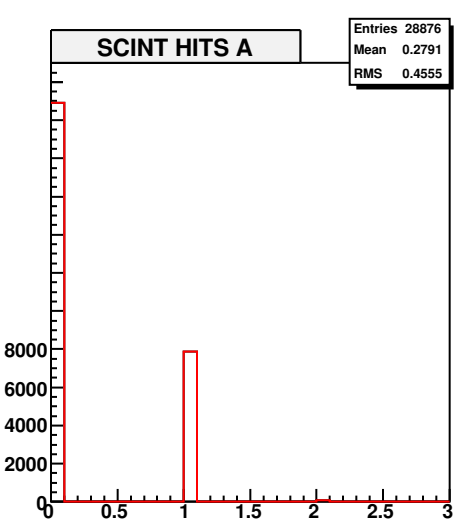


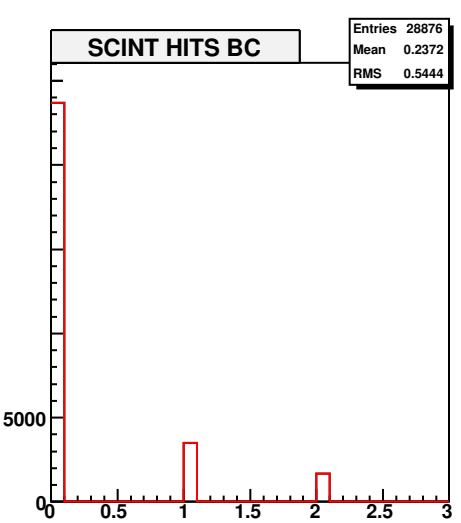




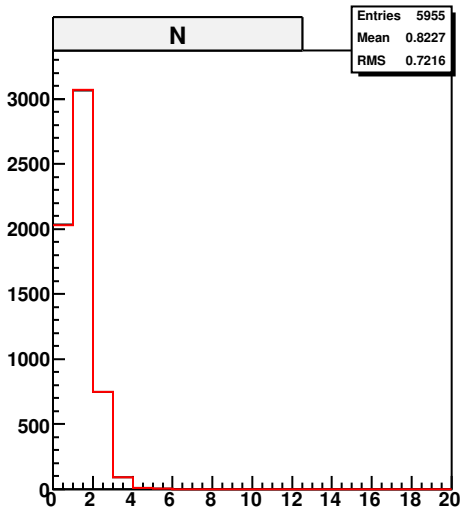


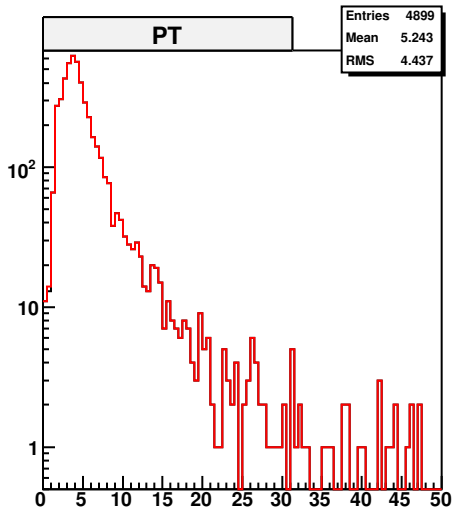


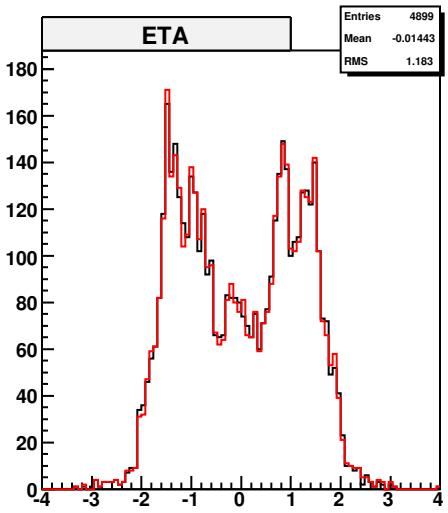


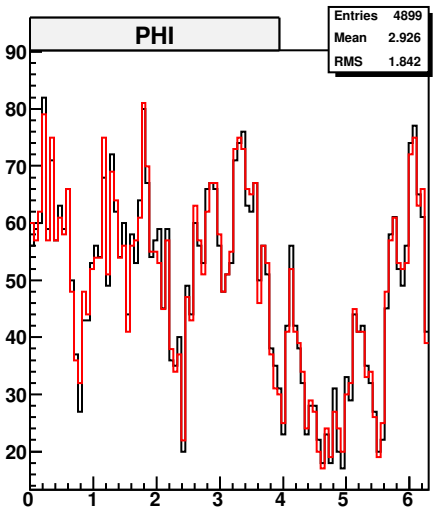


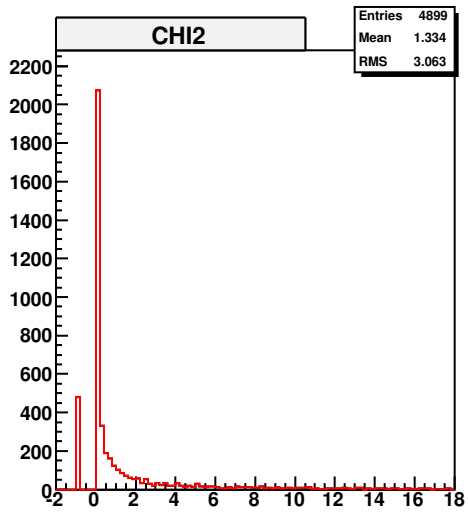
Muon Local Tracks (All)

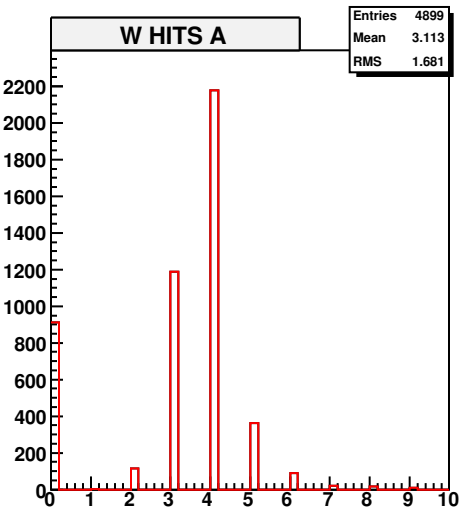


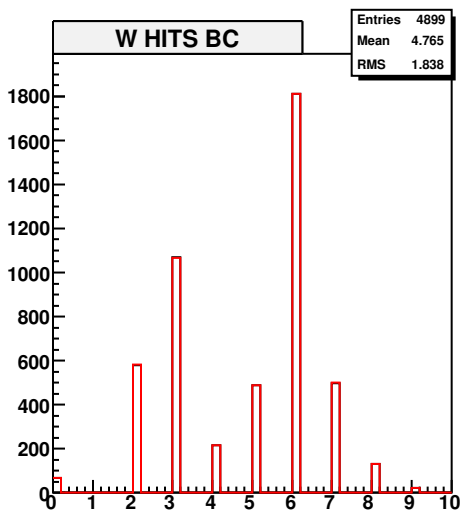


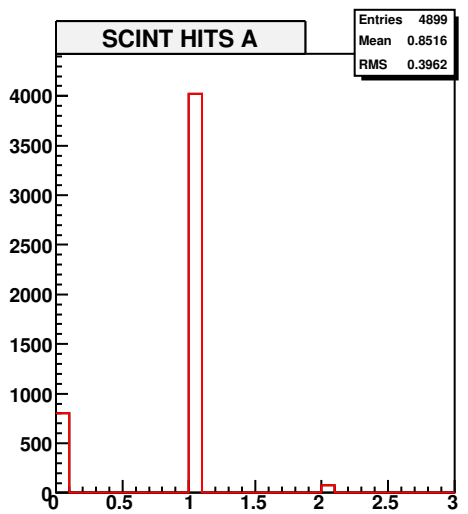


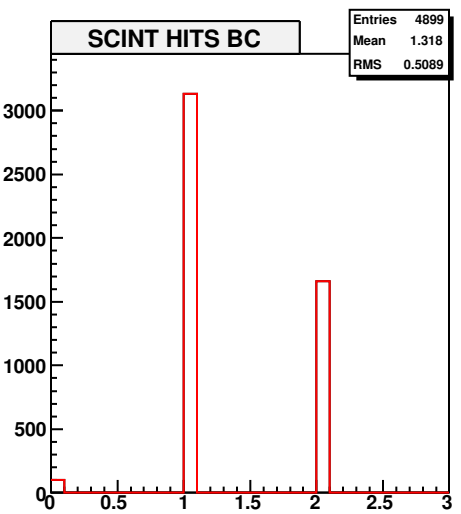




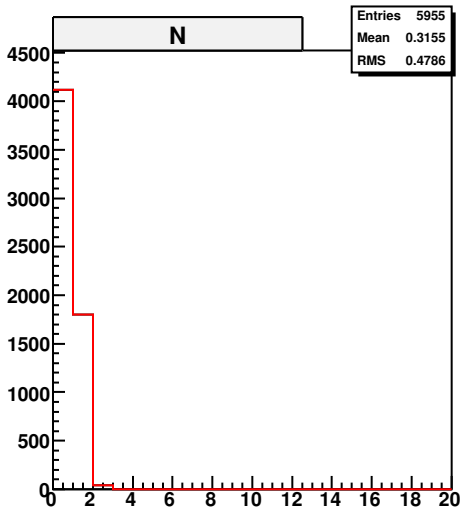


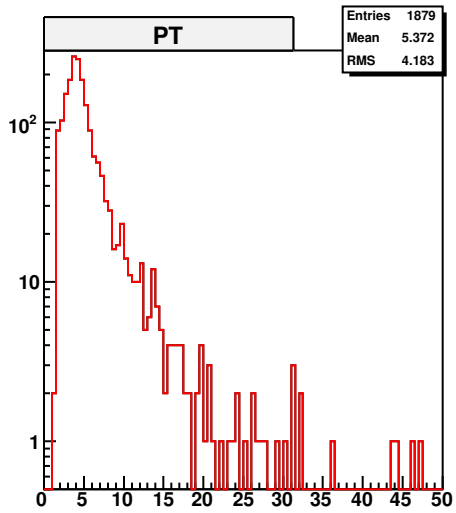


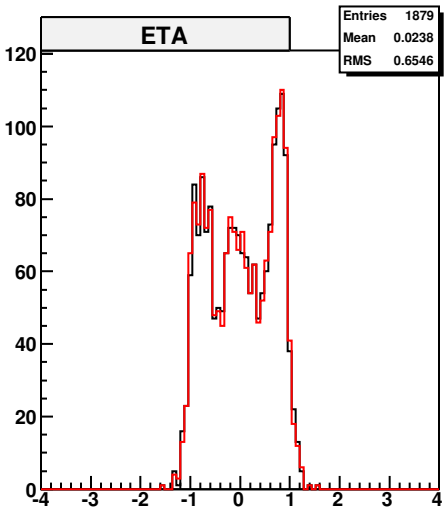


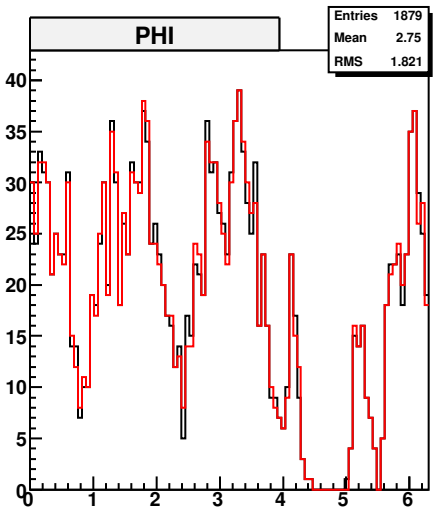


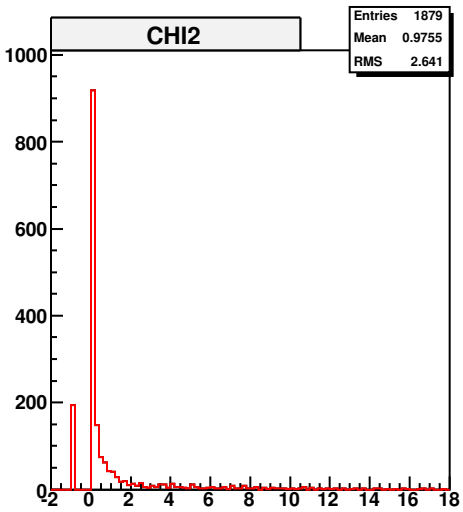
Muon Local Tracks (LooseWamus)

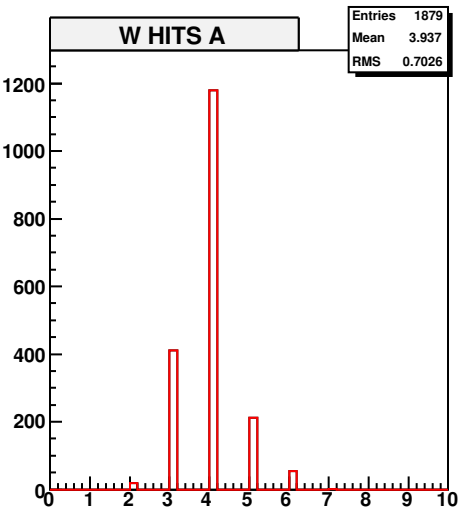


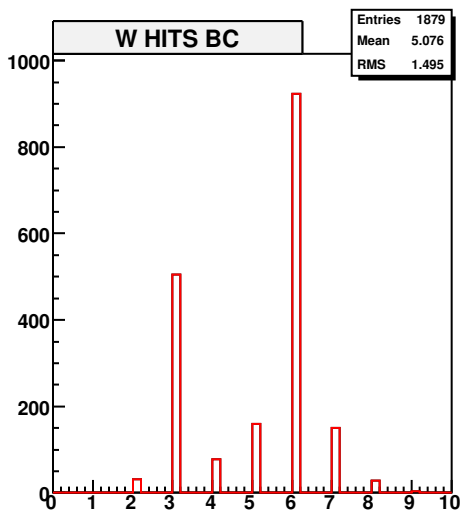


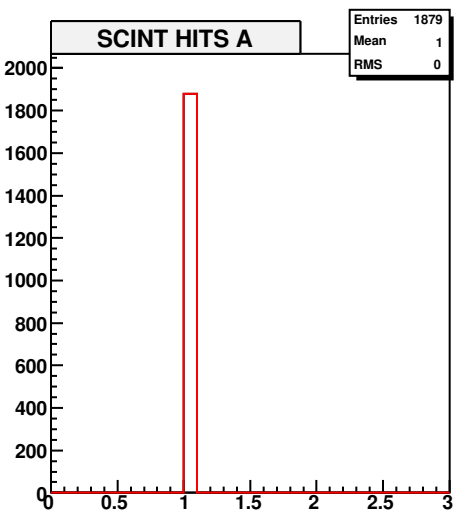


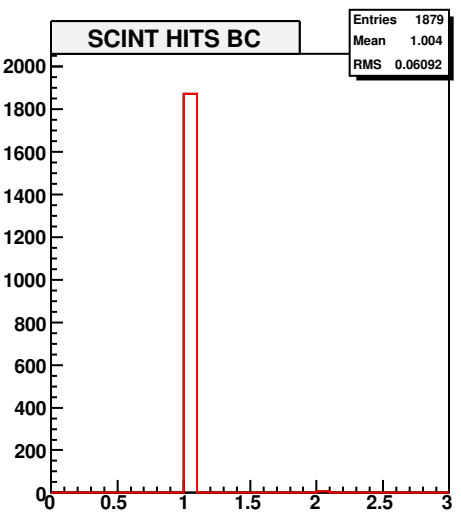




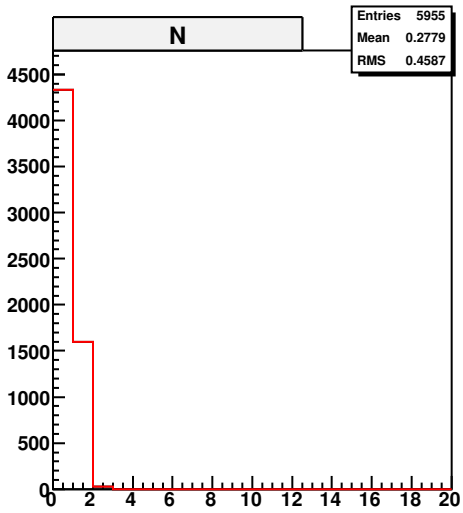


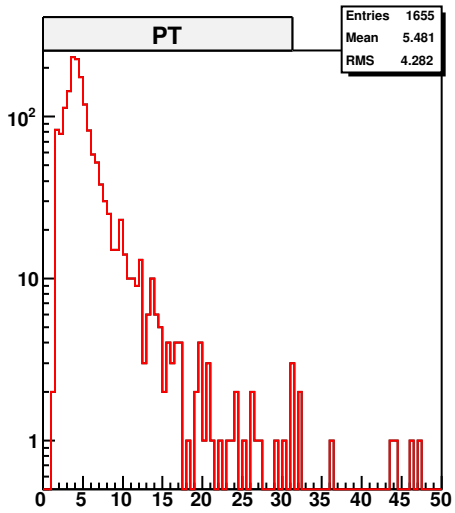


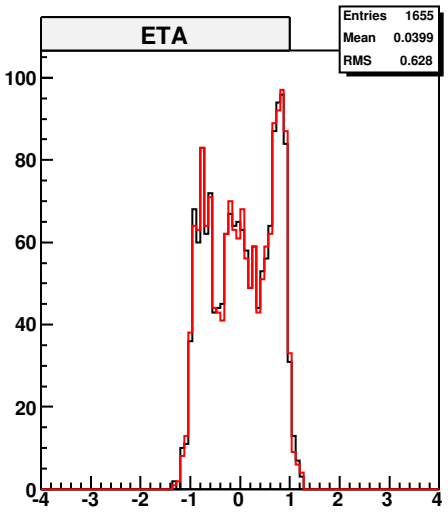


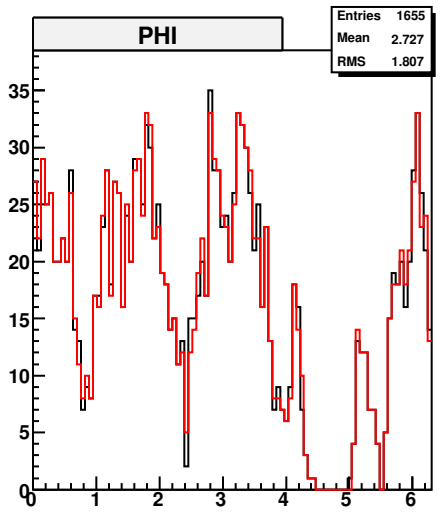


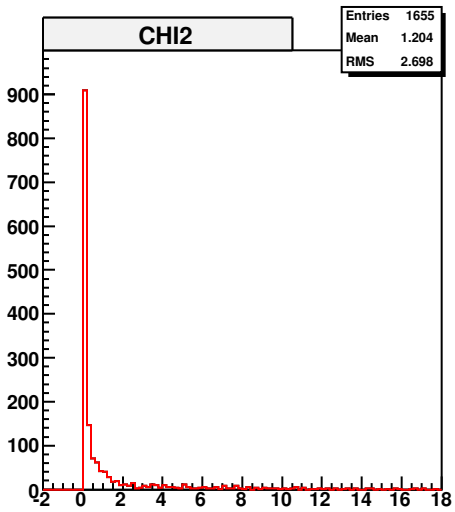
Muon Local Tracks (MediumWamus)

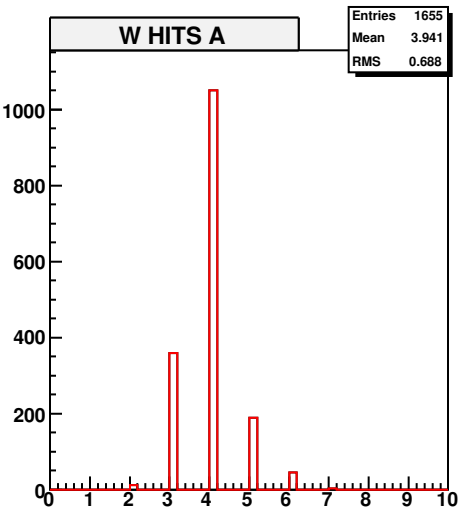


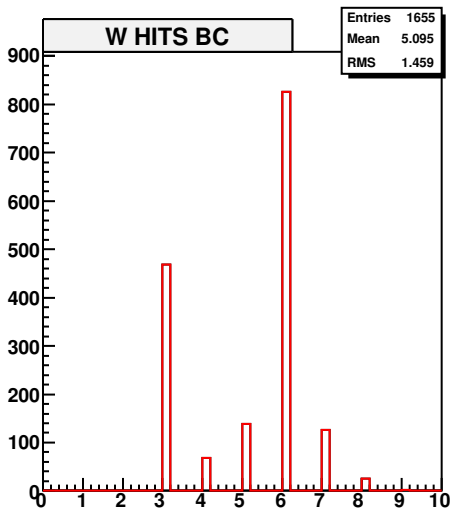


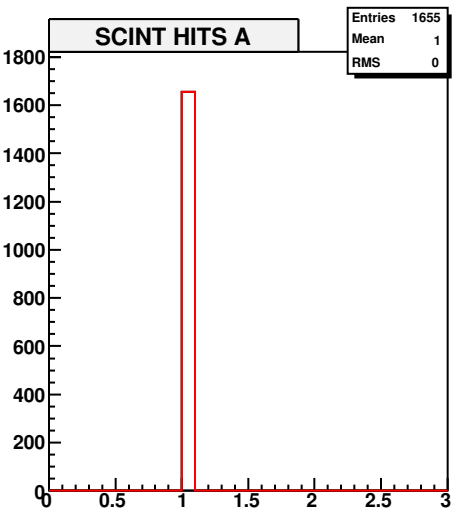


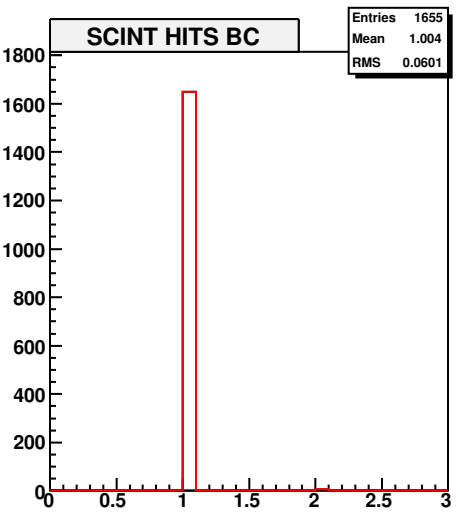




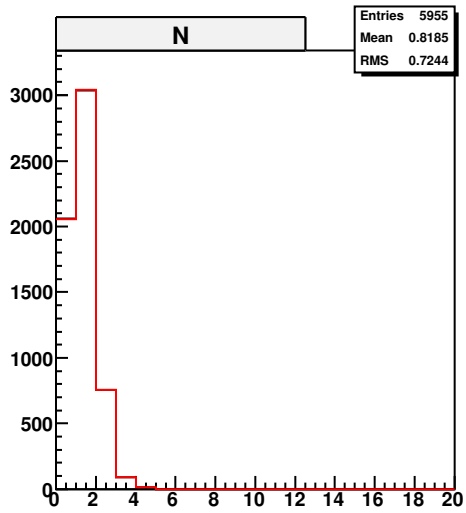


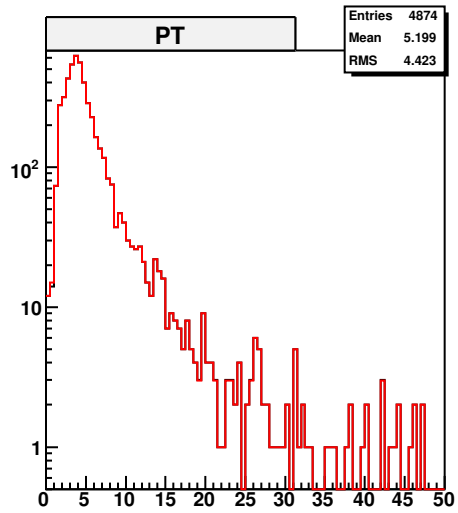


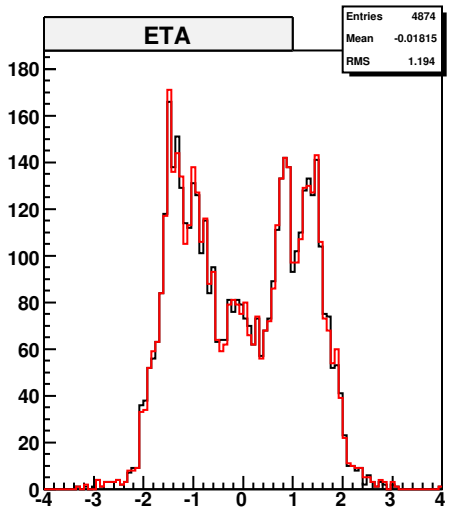


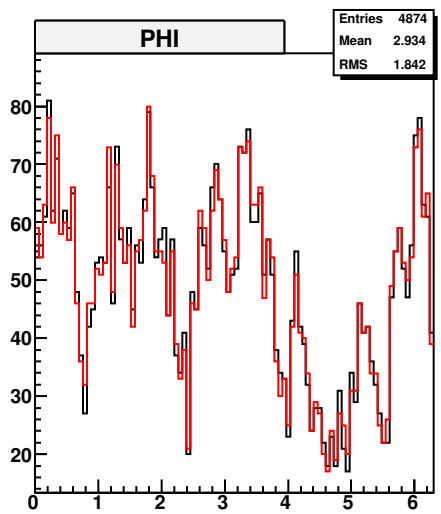


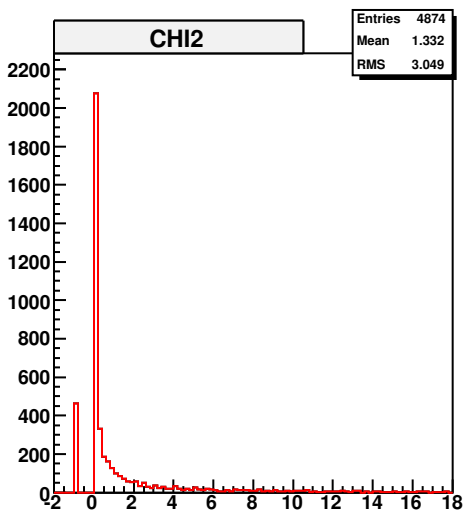
Muon Local Tracks (TightWamus)

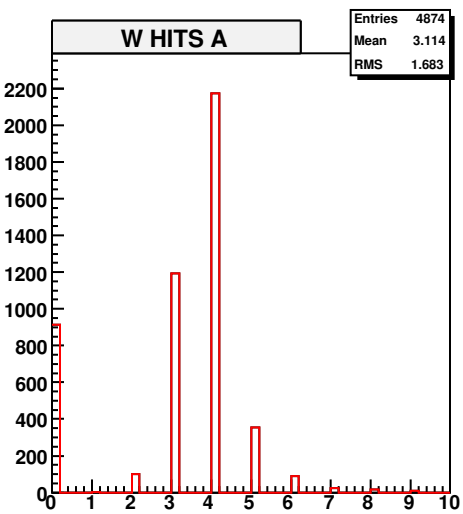


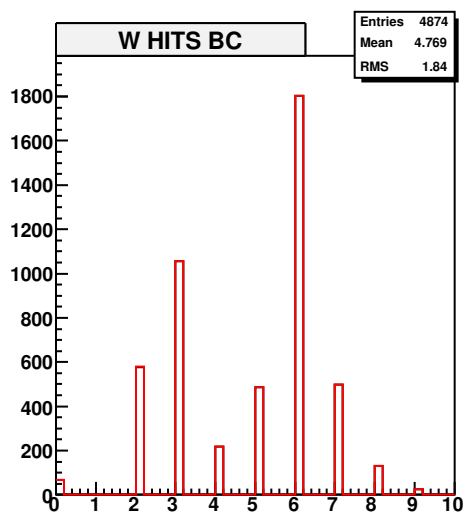


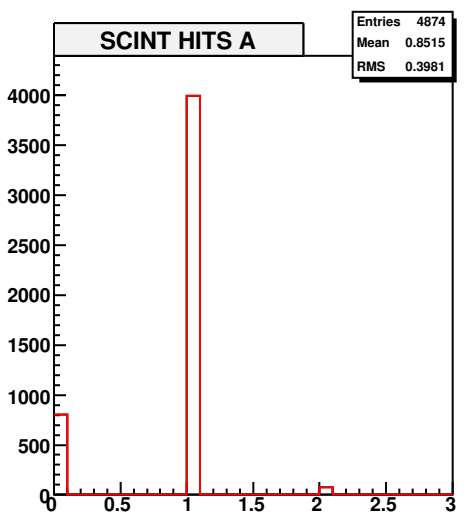


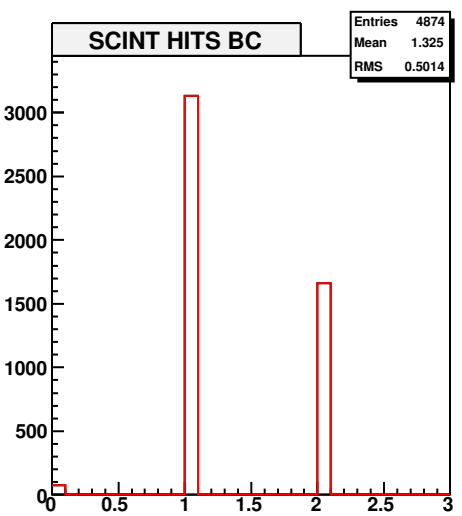




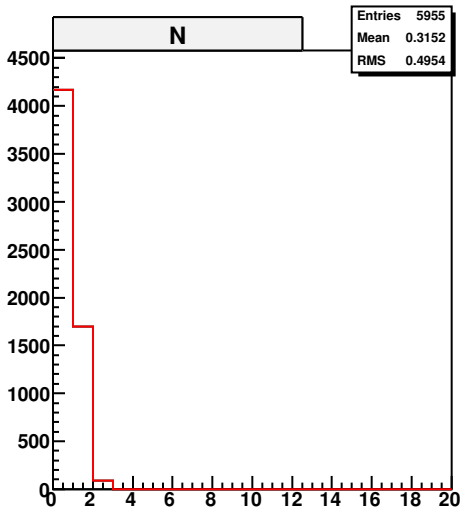


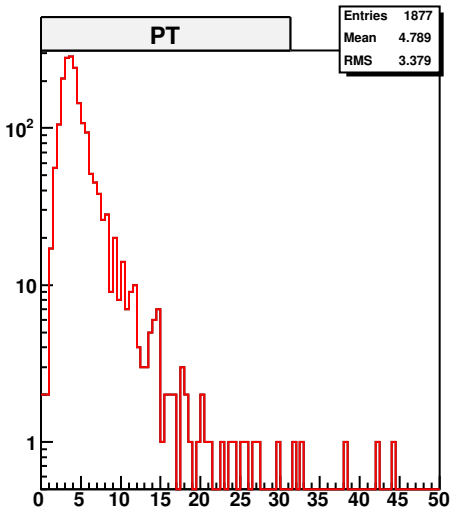


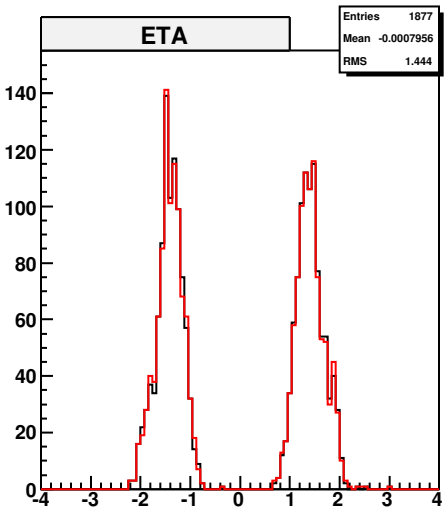


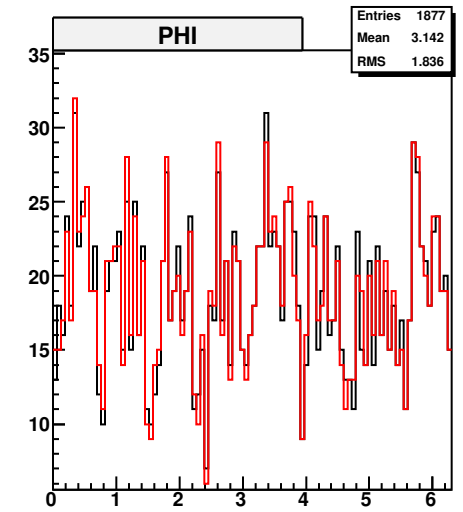


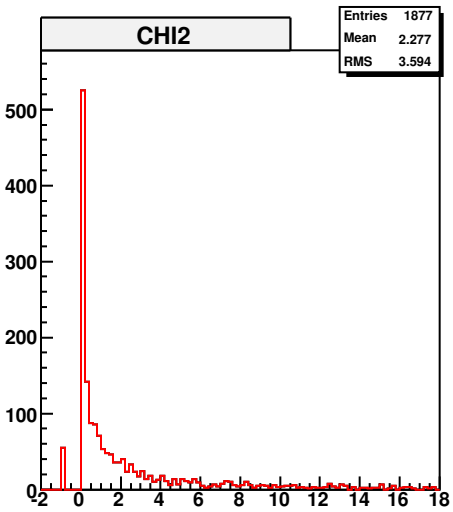
Muon Local Tracks (LooseFamus)

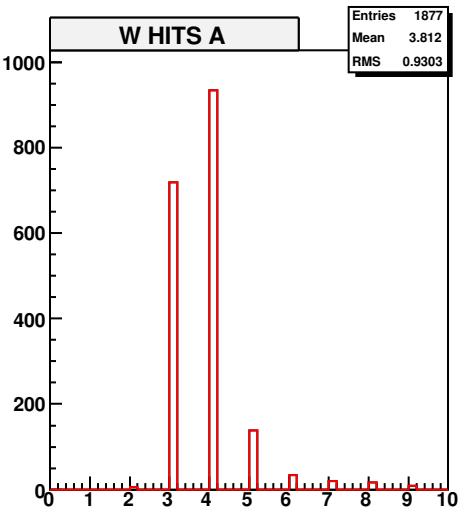


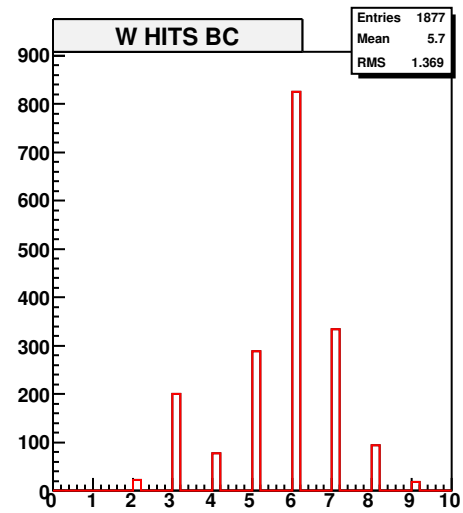


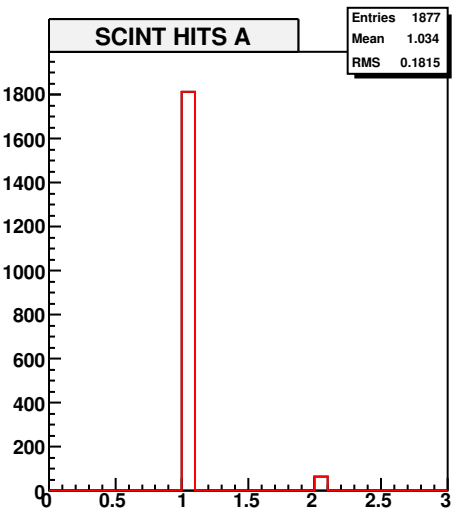


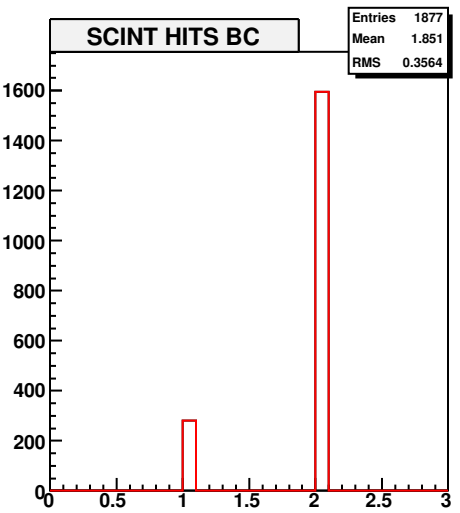




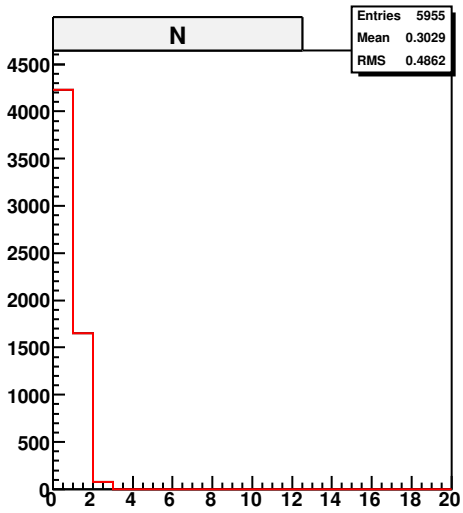


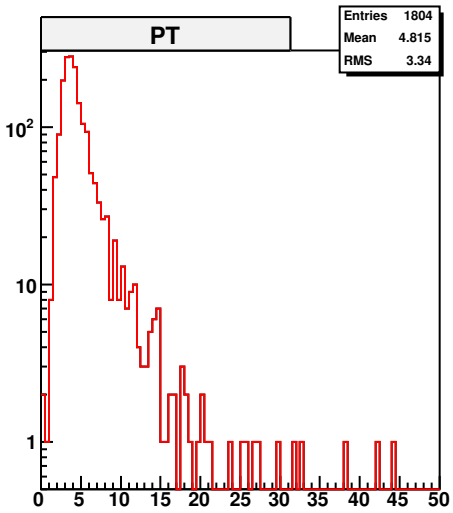


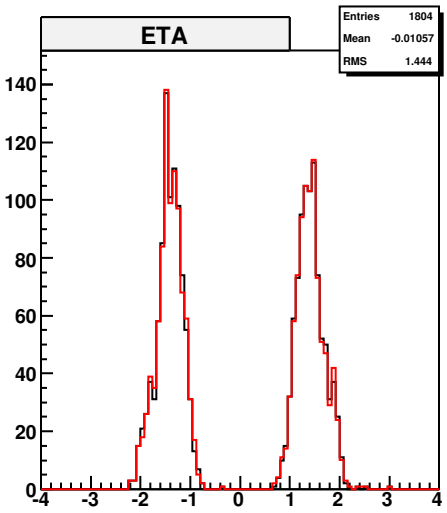


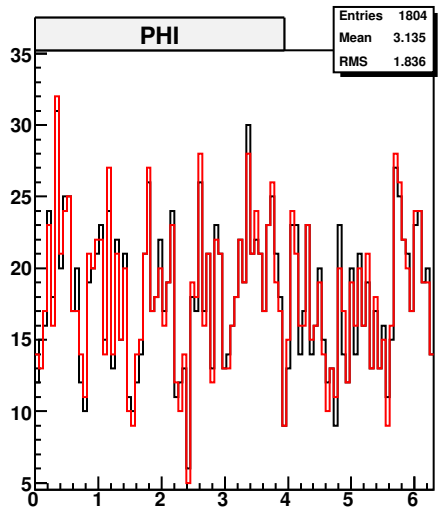


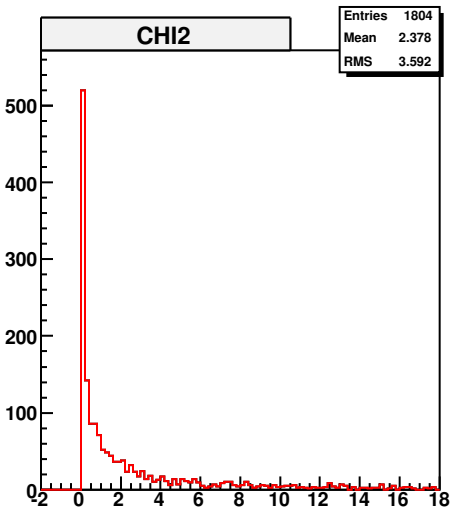
Muon Local Tracks (MediumFamus)

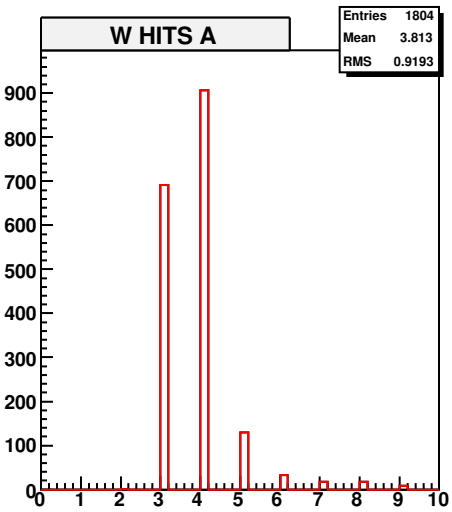


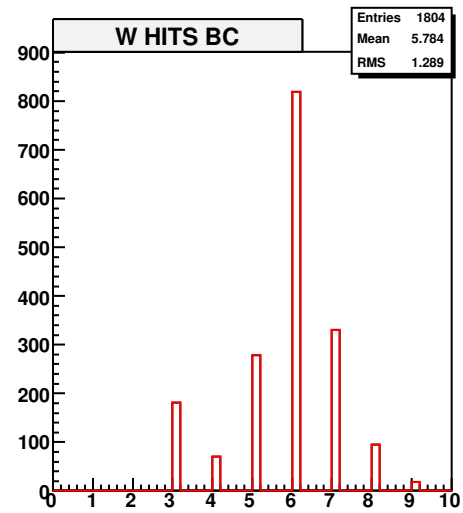


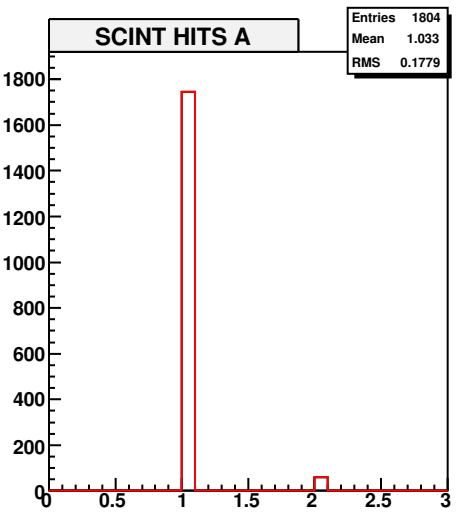


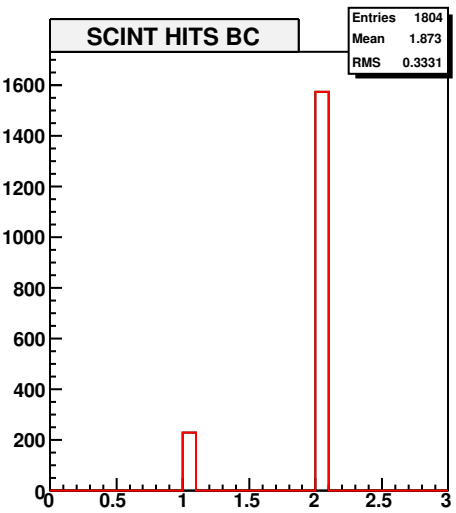




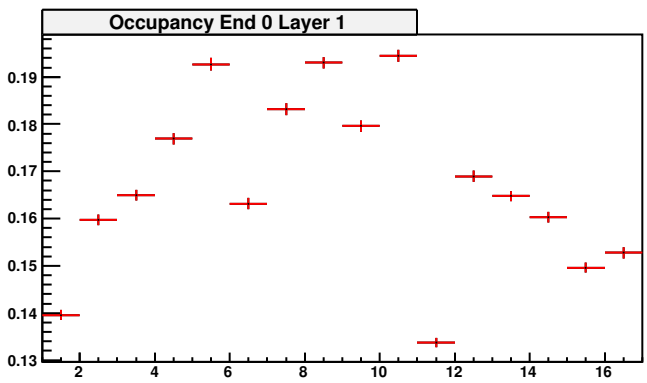


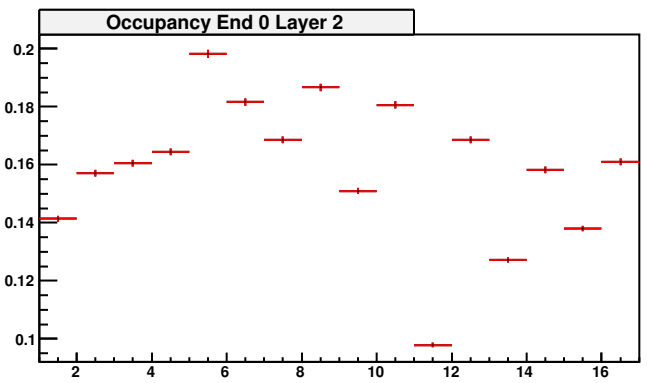


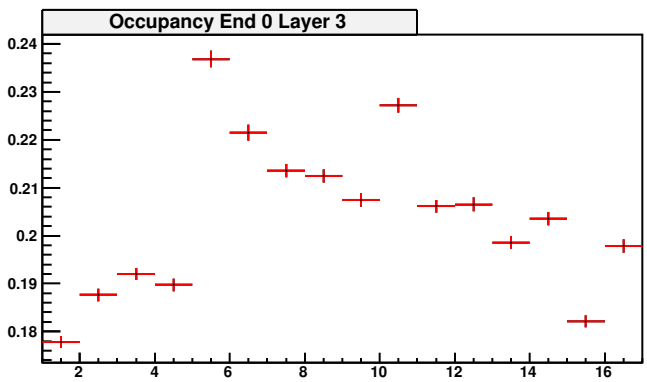


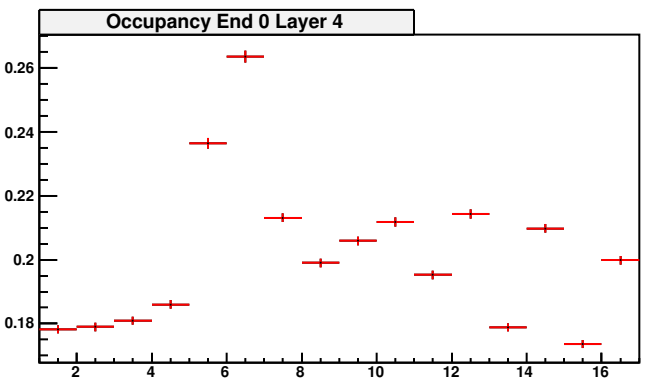


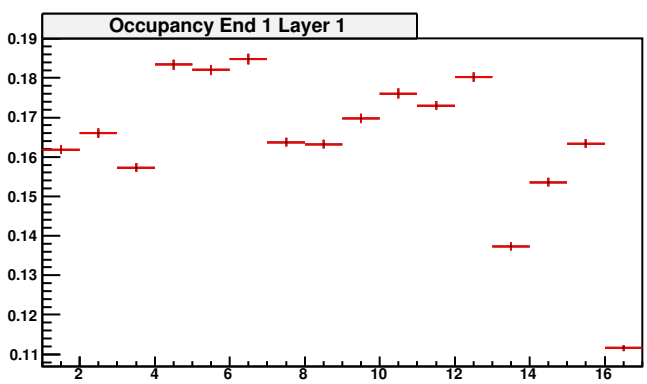
Muon Local Tracks (TightFamus)

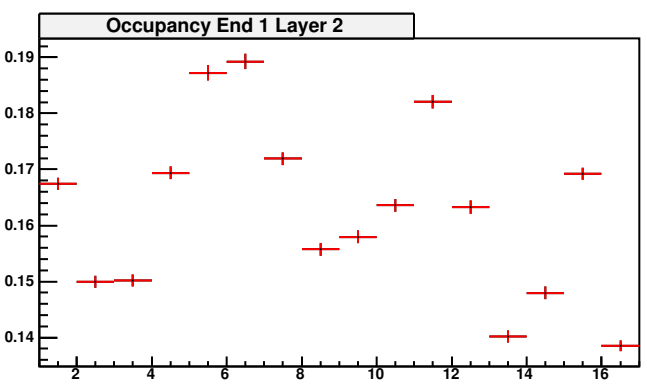


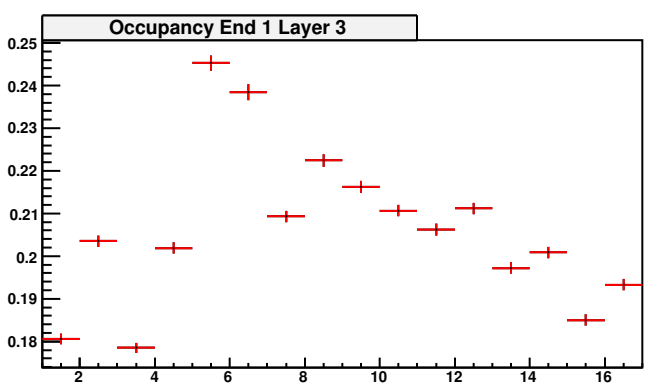


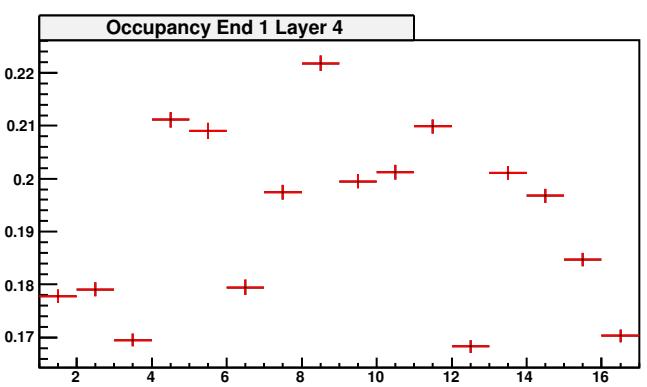




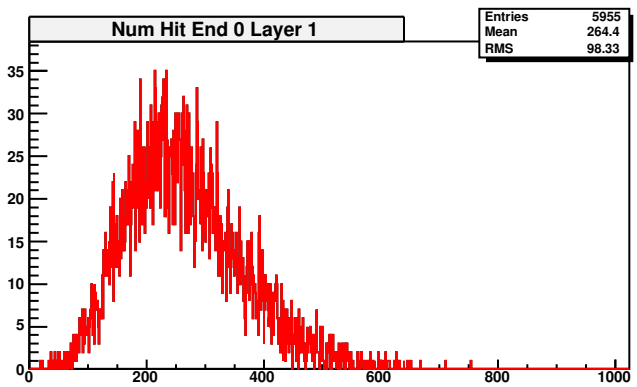


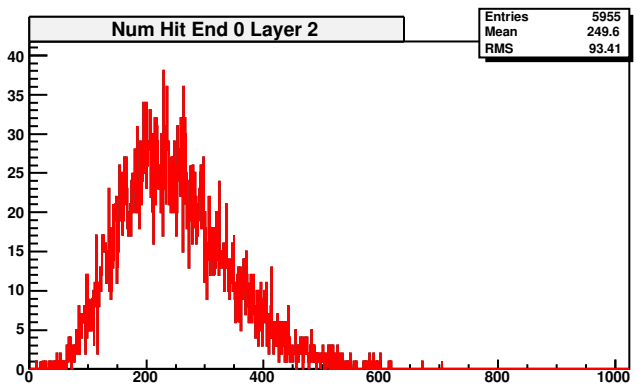


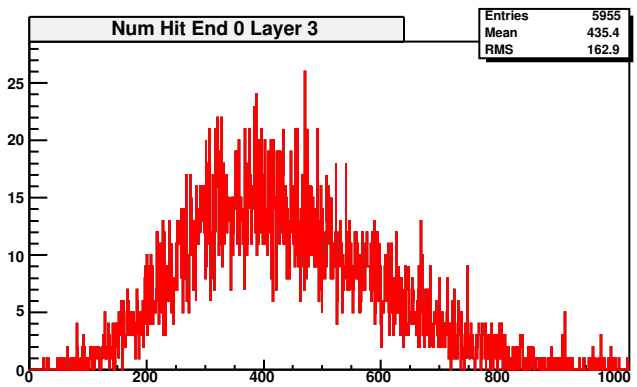


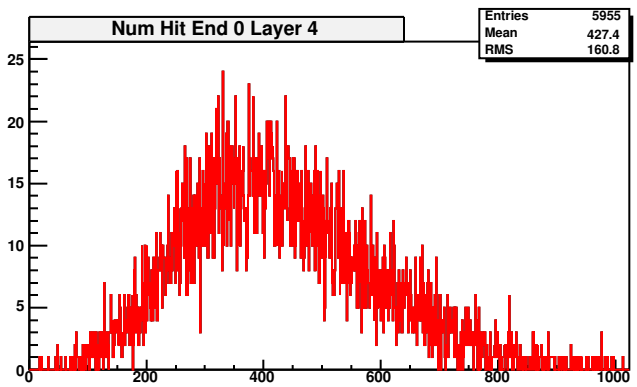


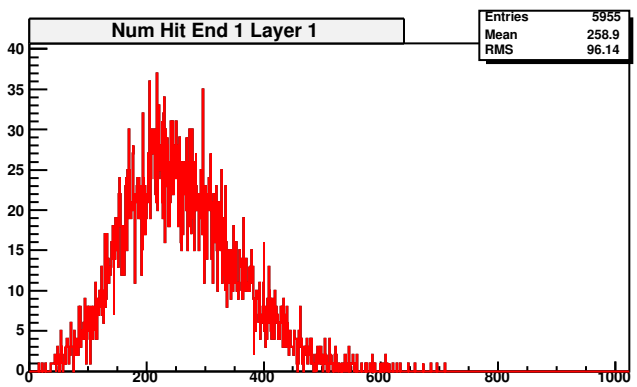
FPS Hit Occupancy (All)

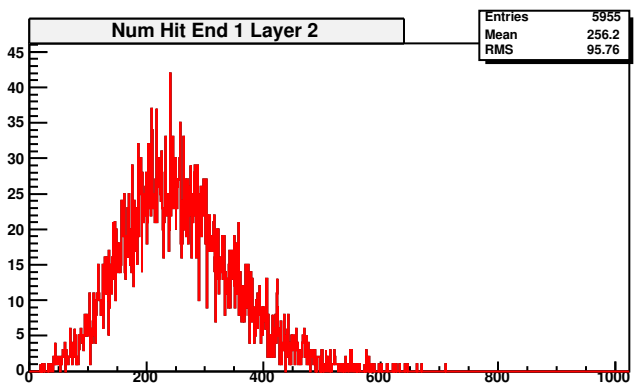


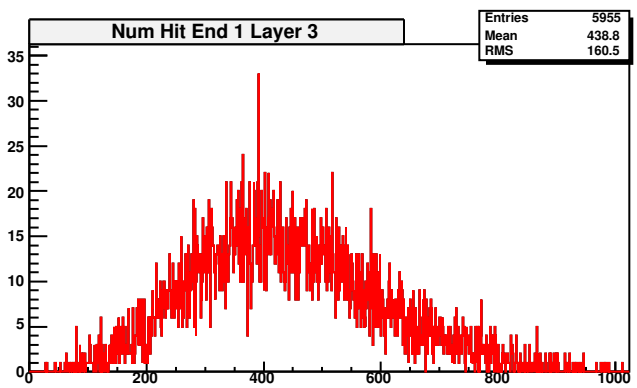


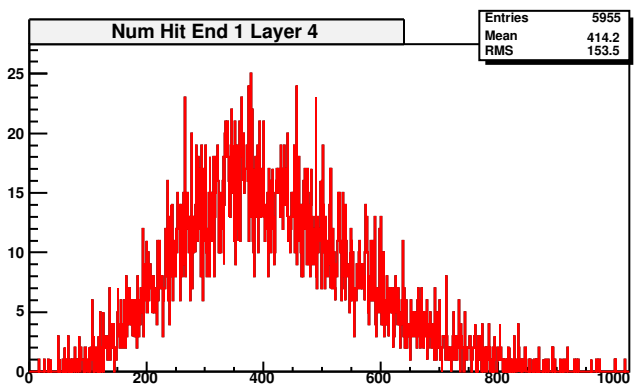




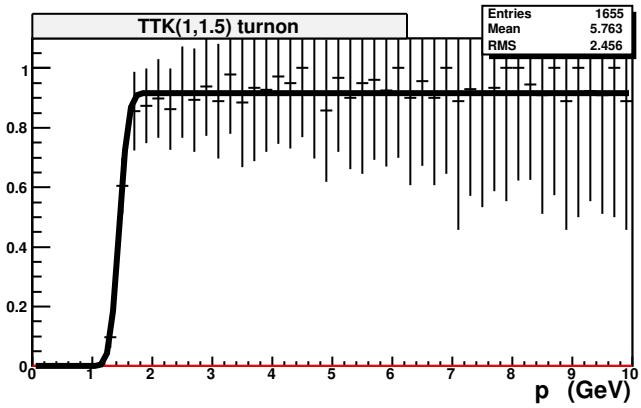


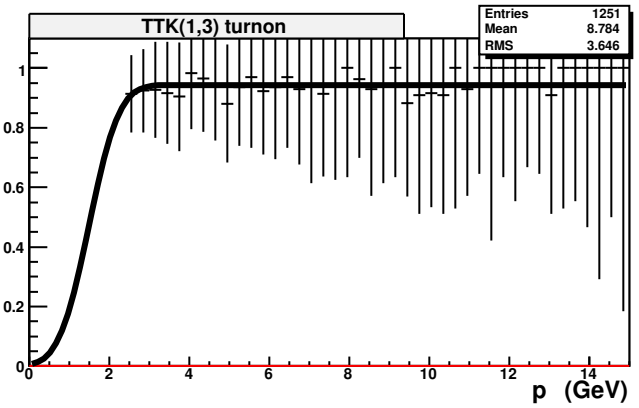


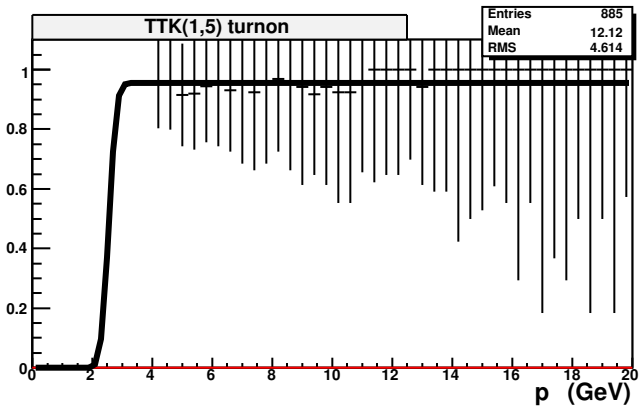


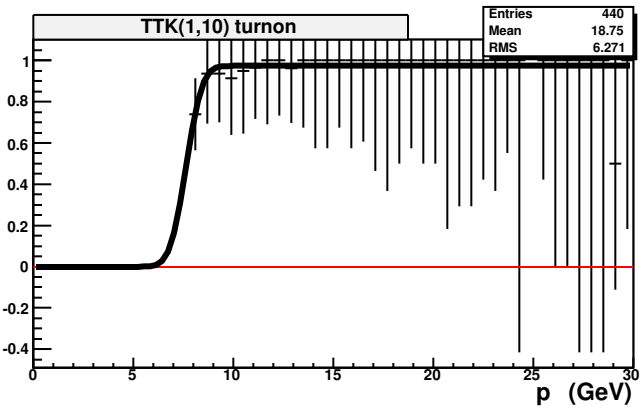


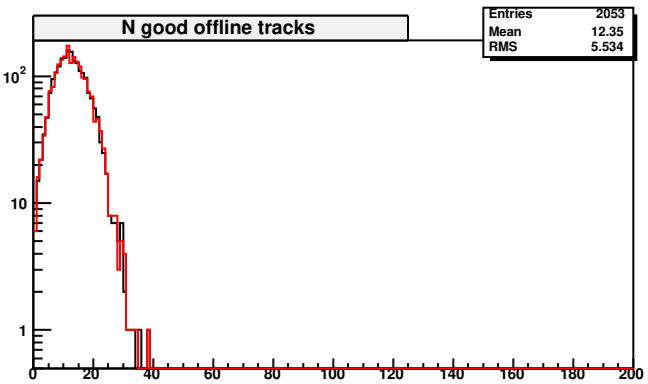
FPS Number of Hits (All)

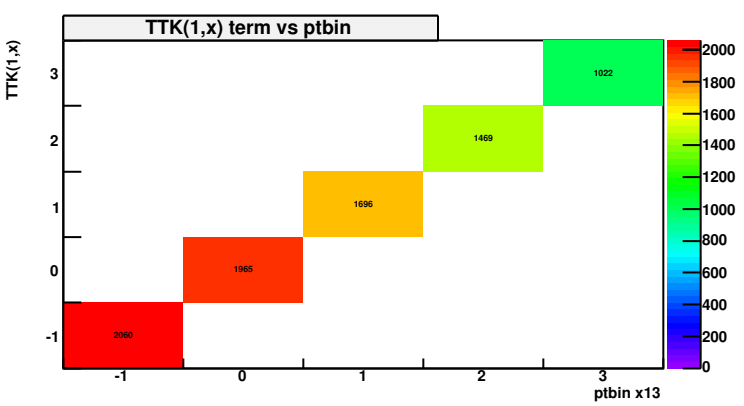


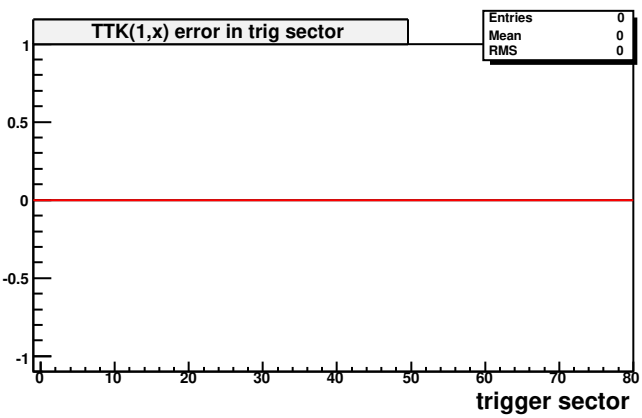


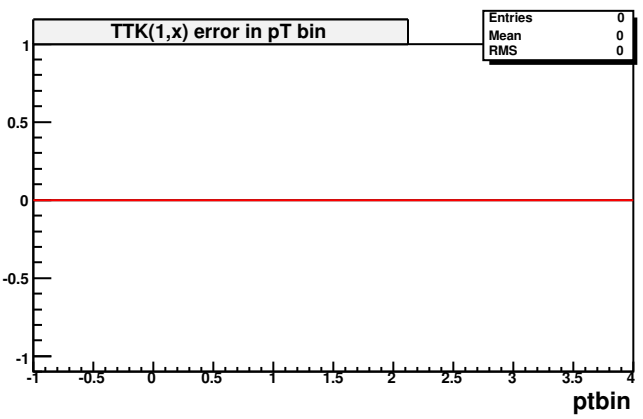




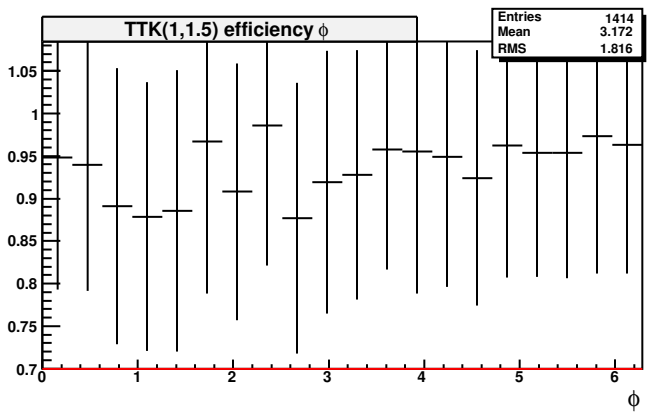


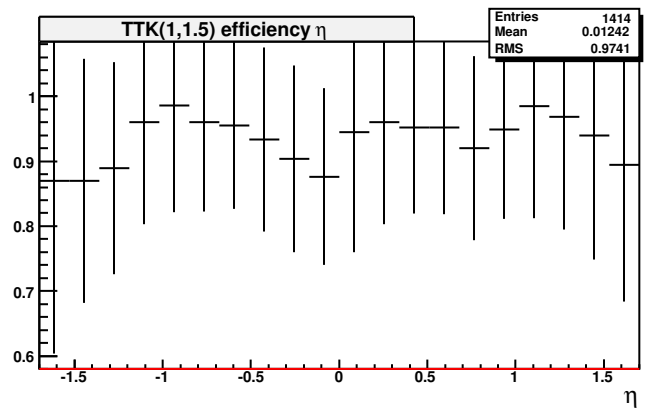


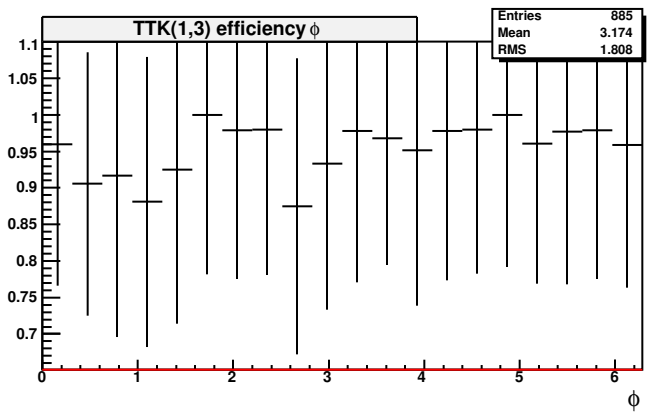


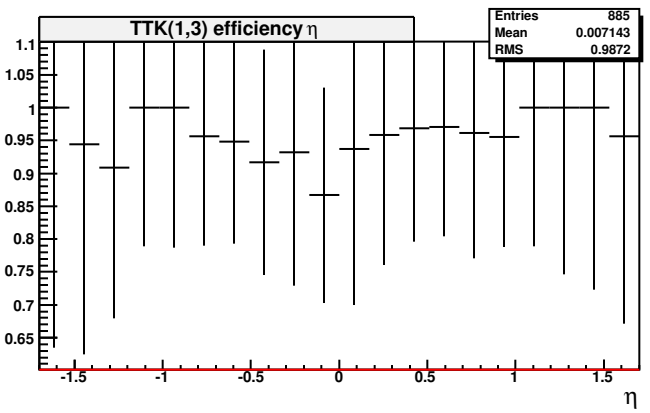


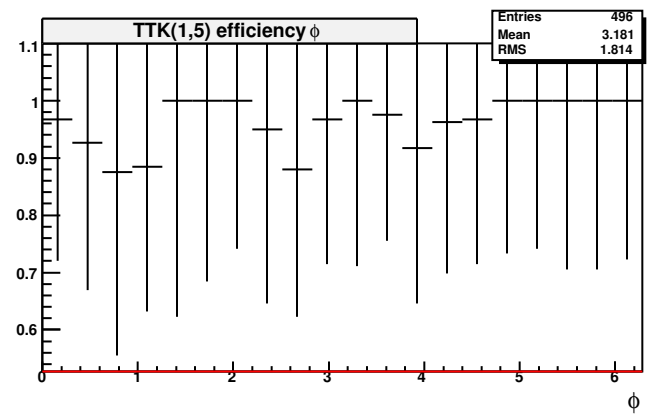
TTK (L1CTT All)

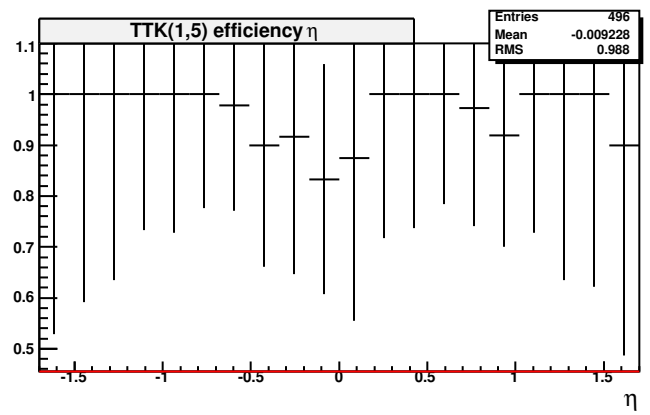


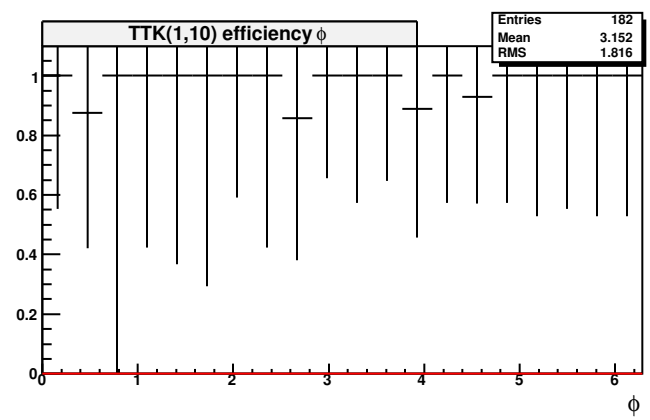


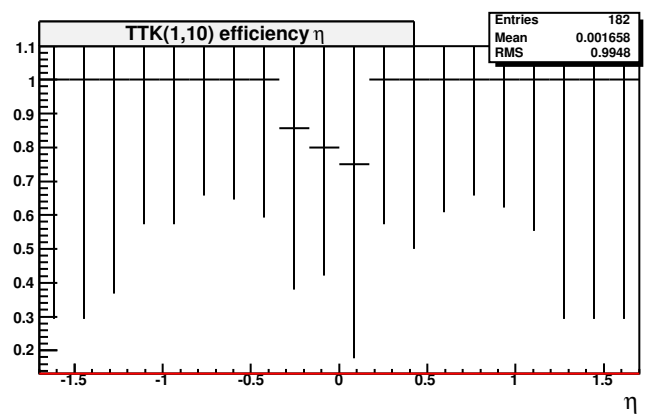




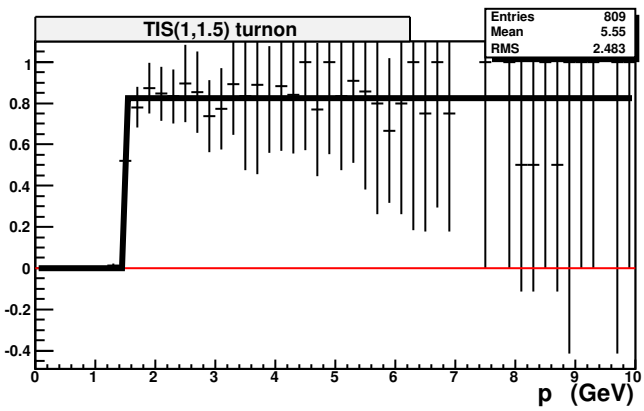


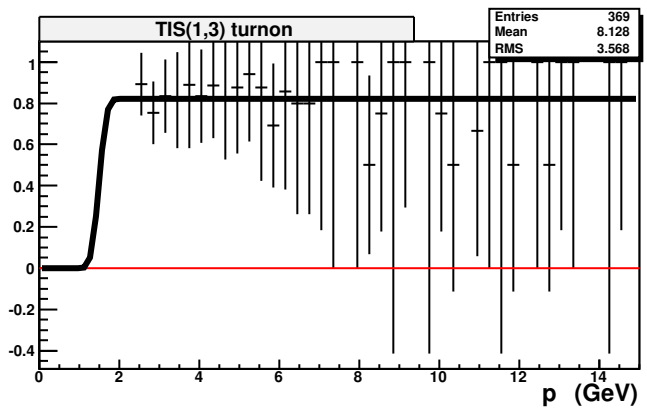


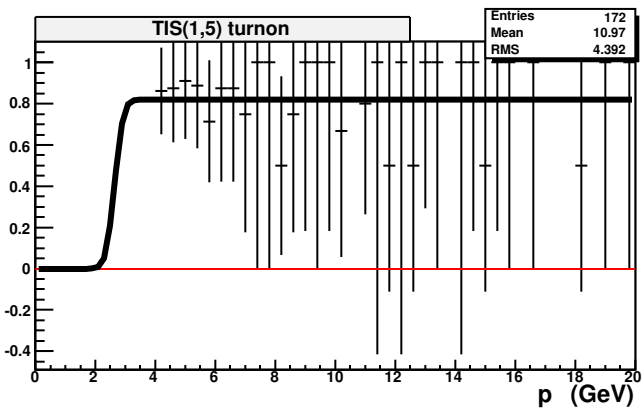


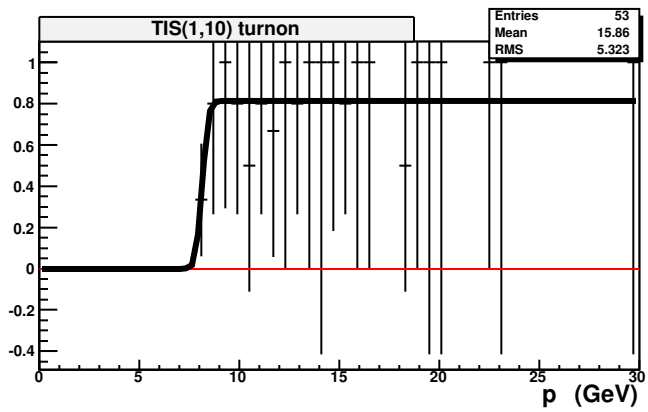


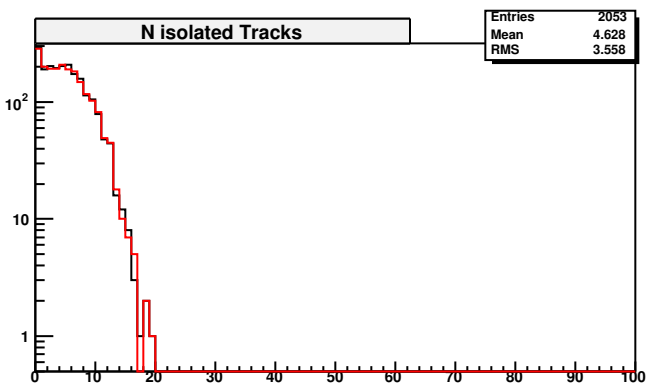
TTK phi/eta (L1CTT All)

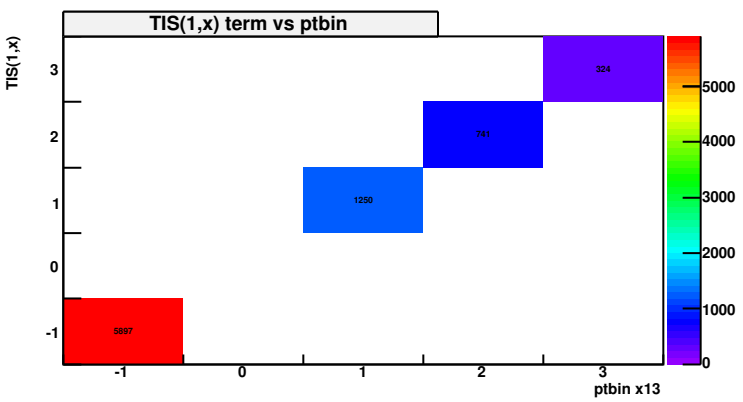


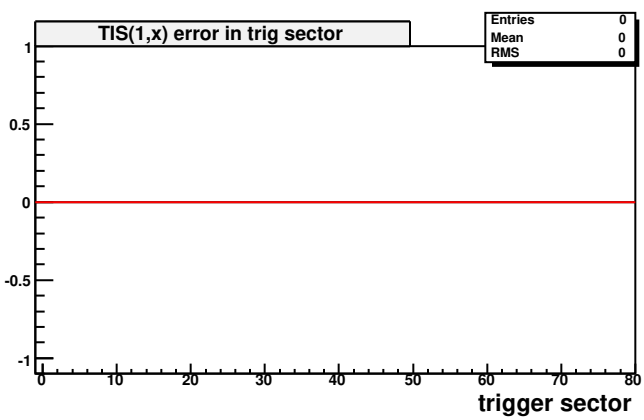


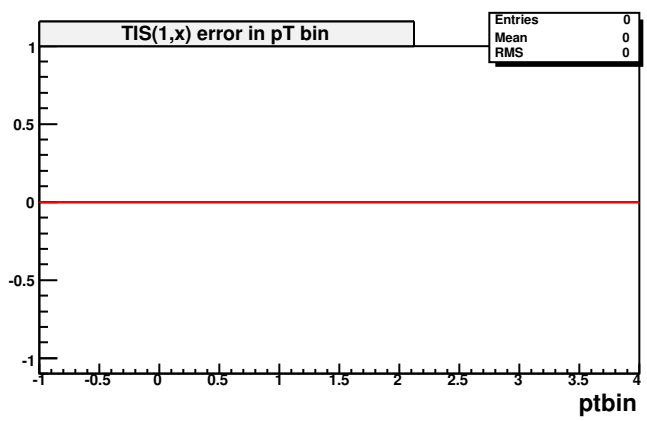




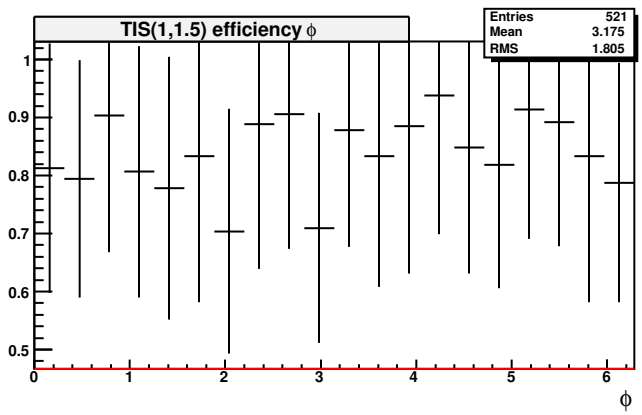


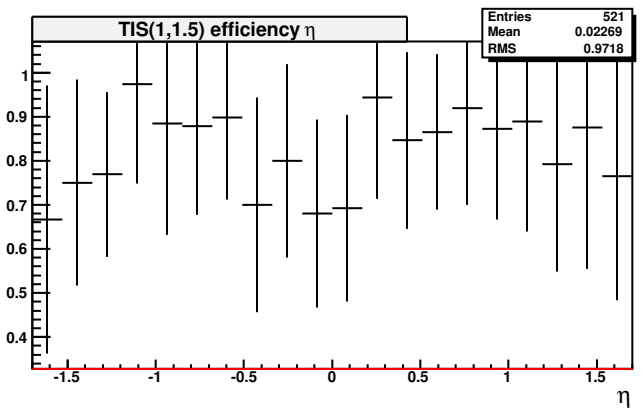


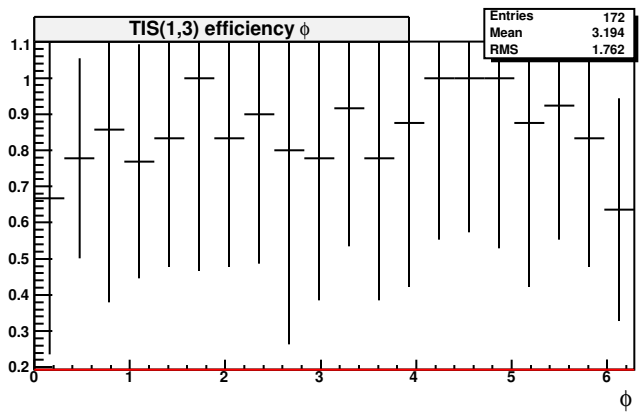


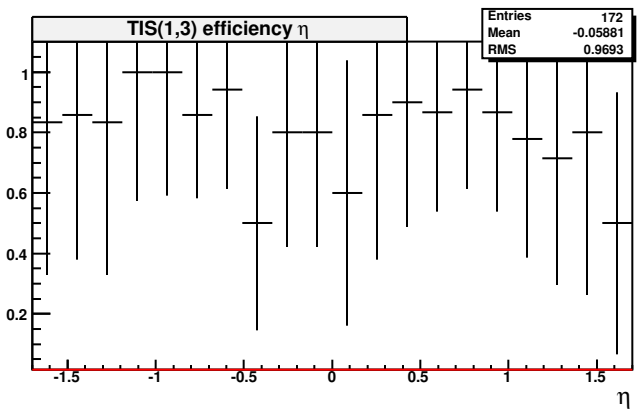


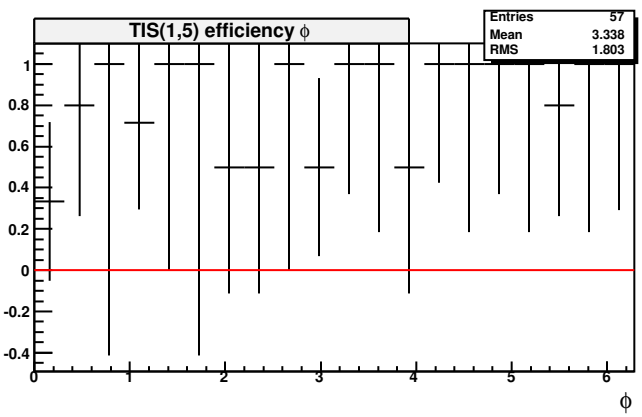
TIS (L1CTT All)

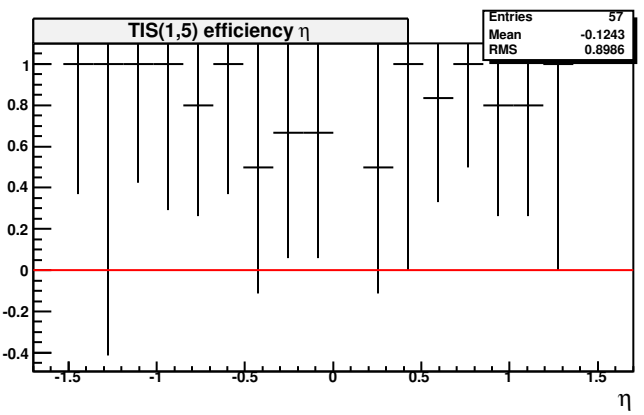


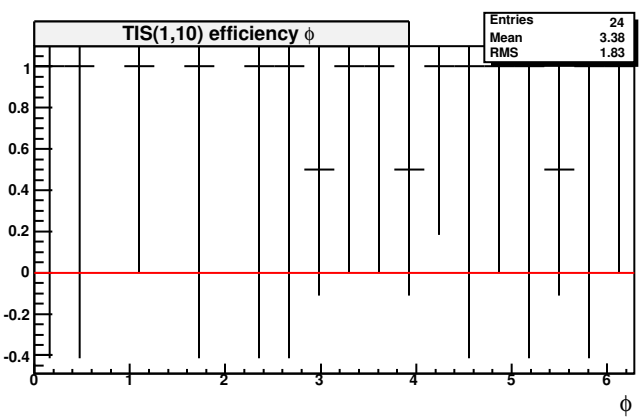


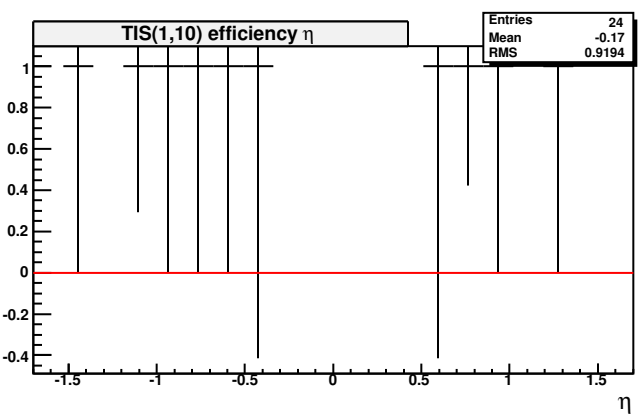












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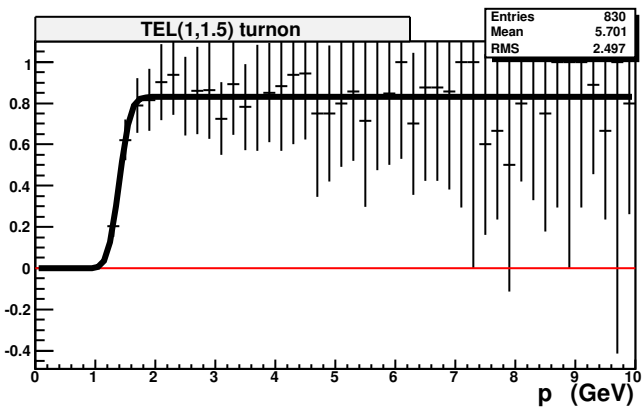

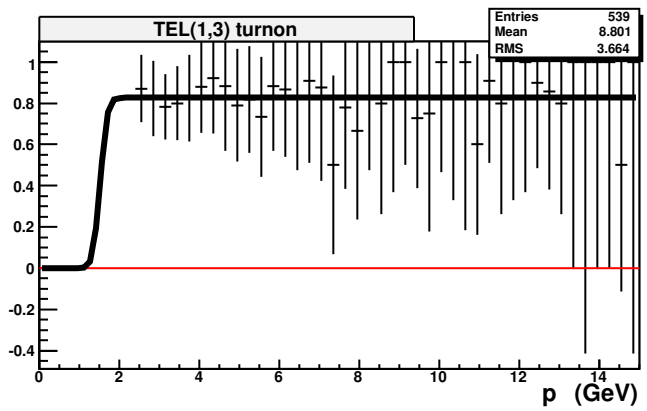

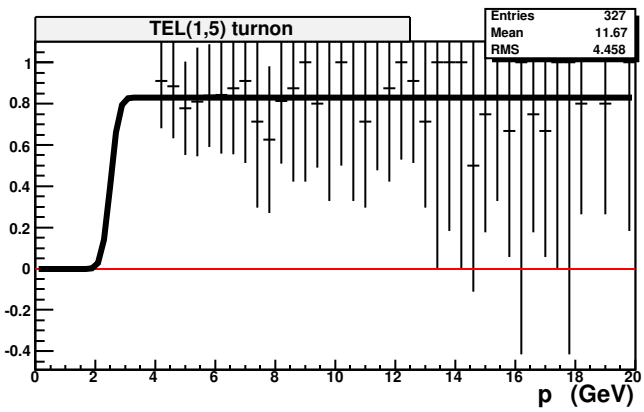

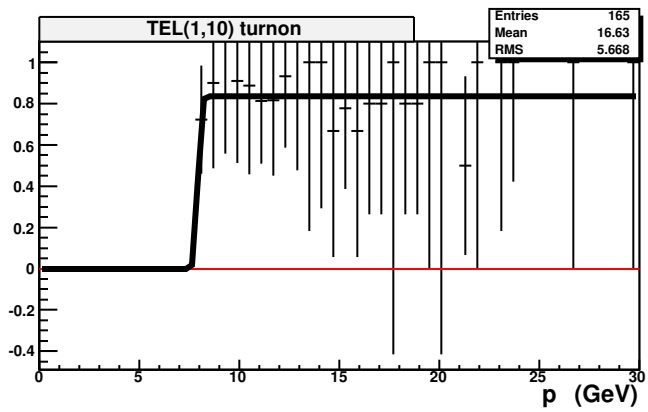

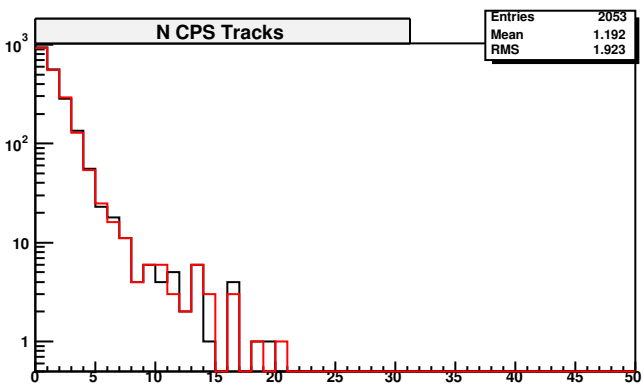

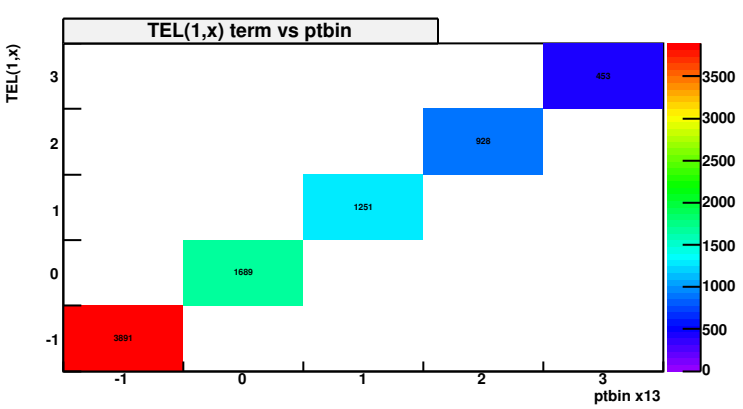

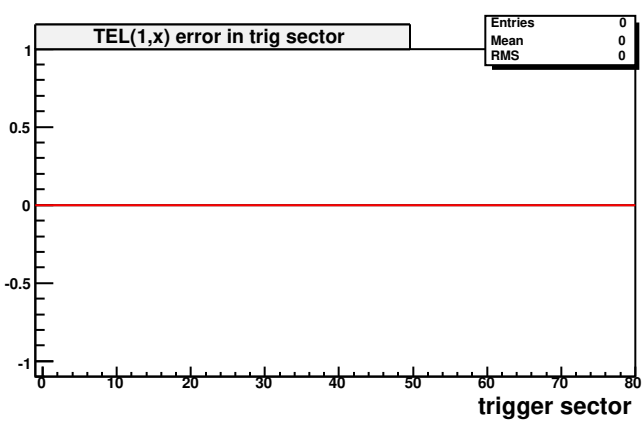

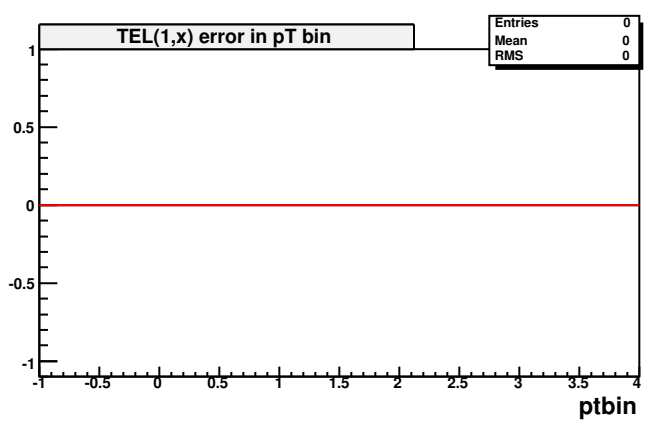

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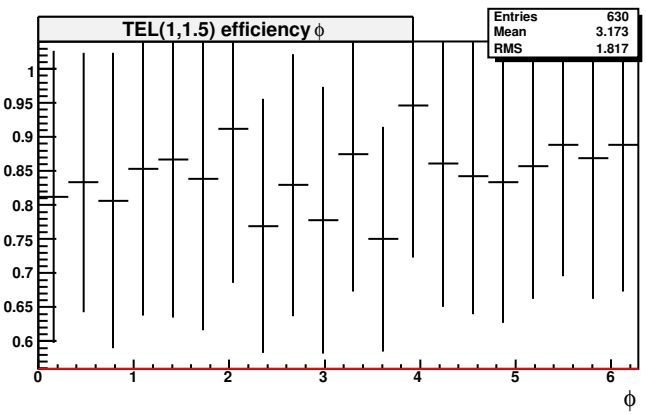

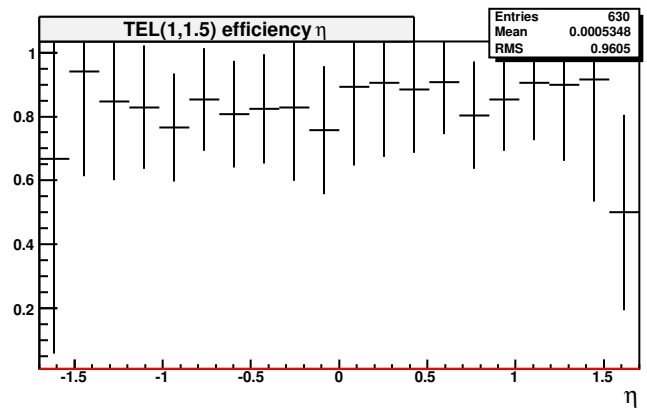

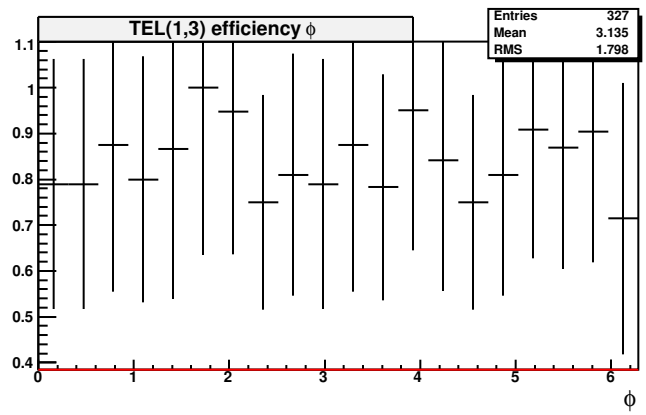

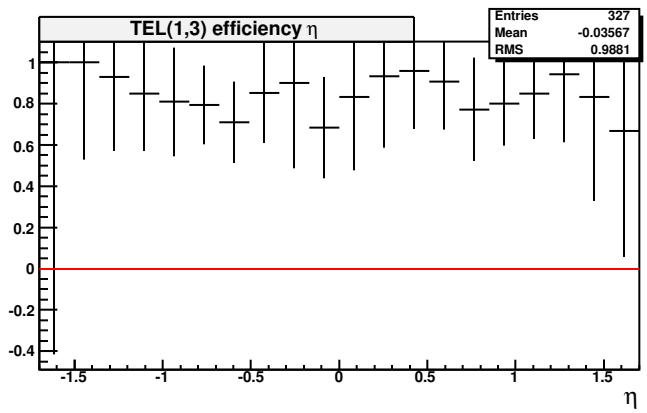

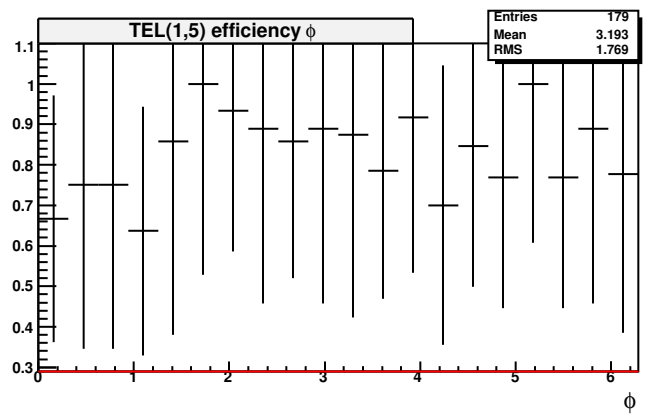

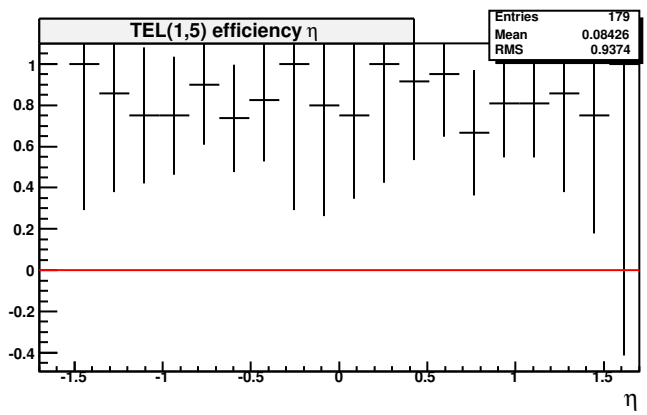

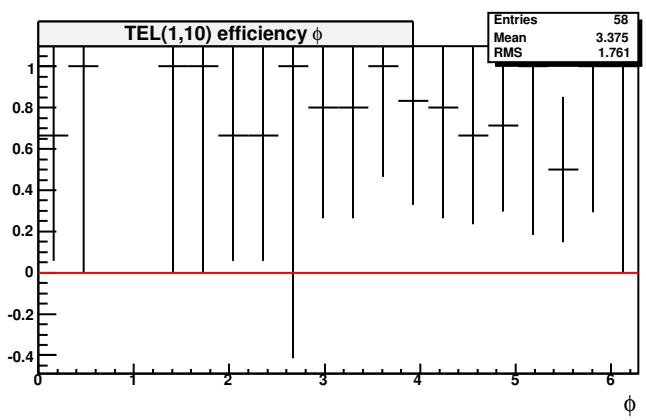

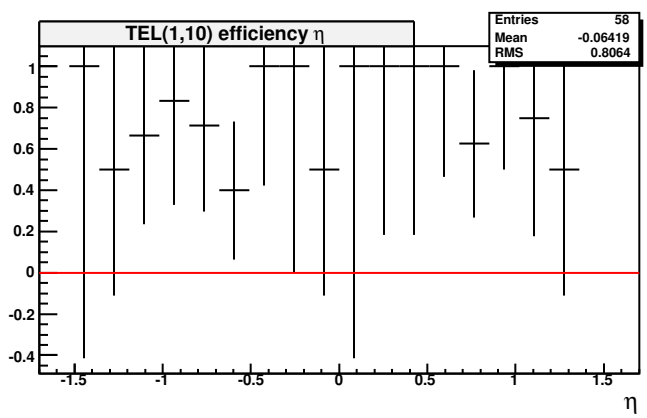

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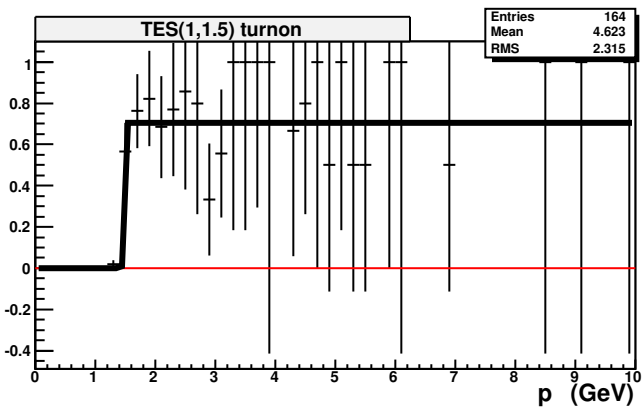

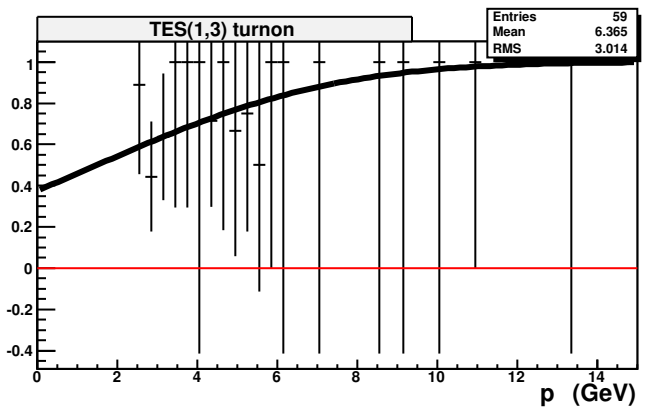

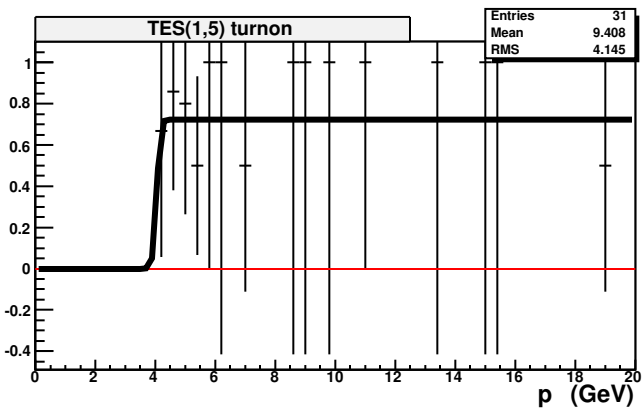

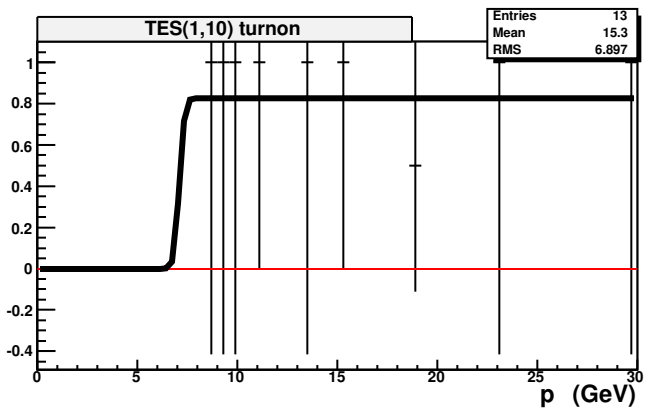

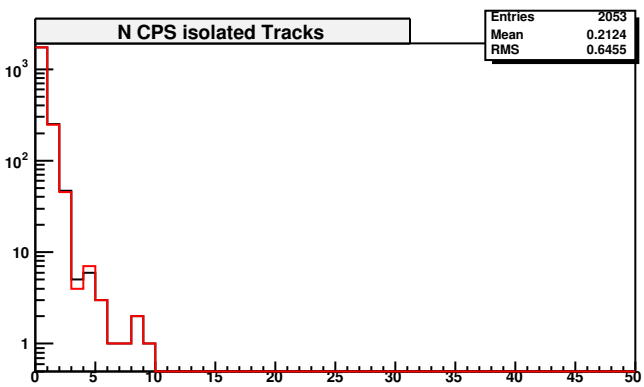

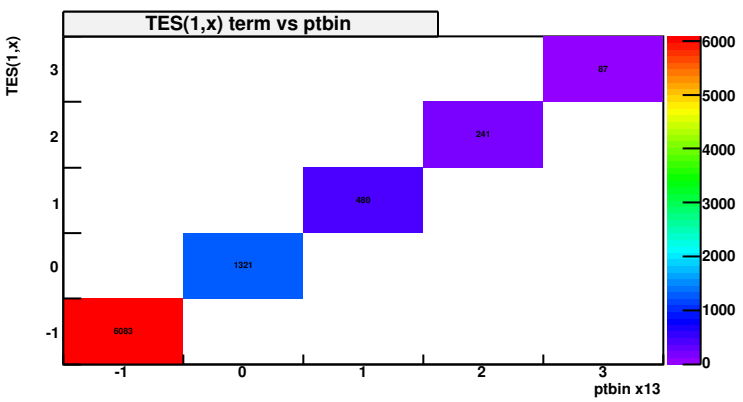

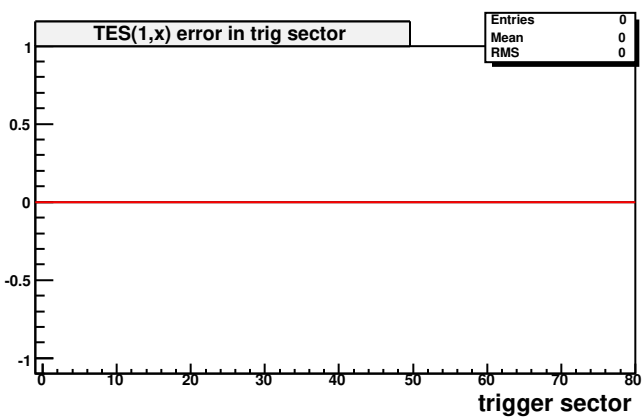

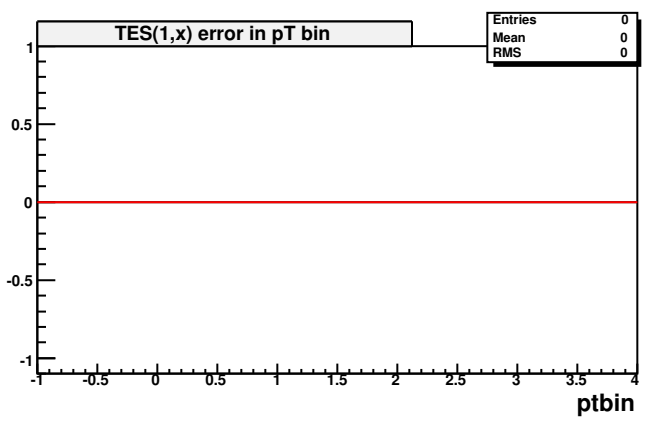

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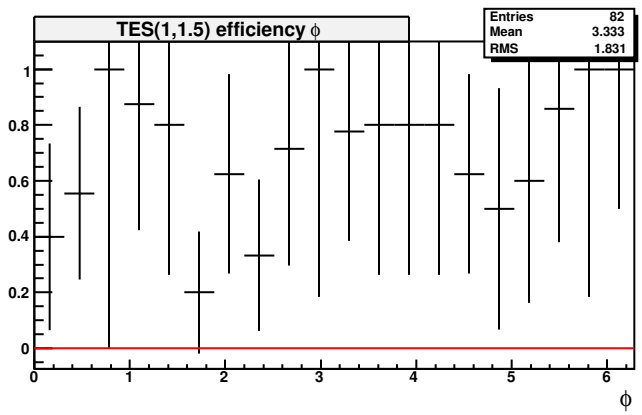

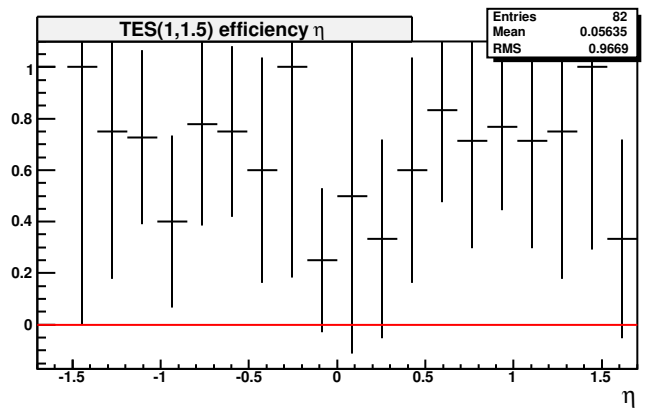

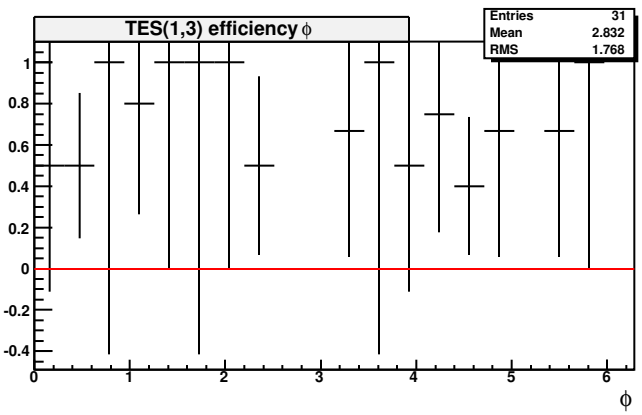

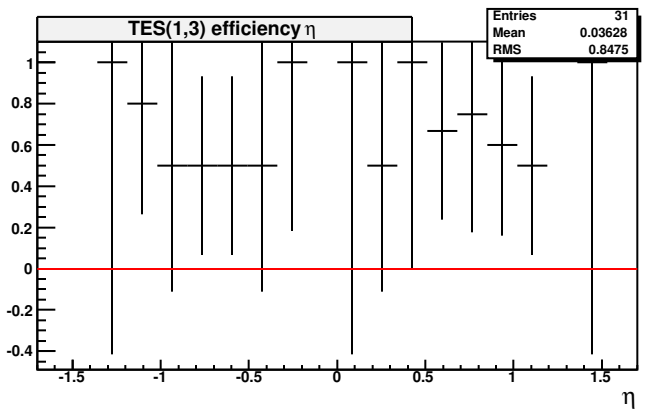

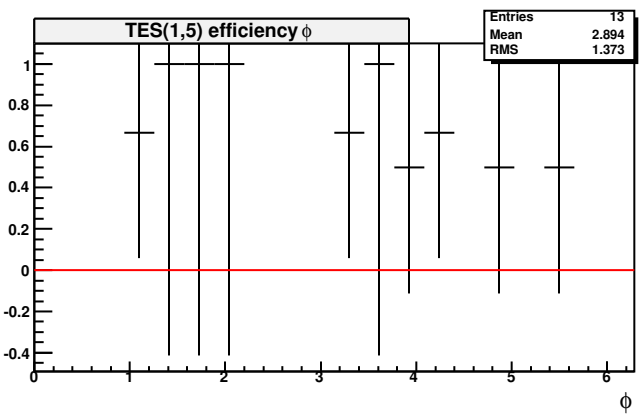

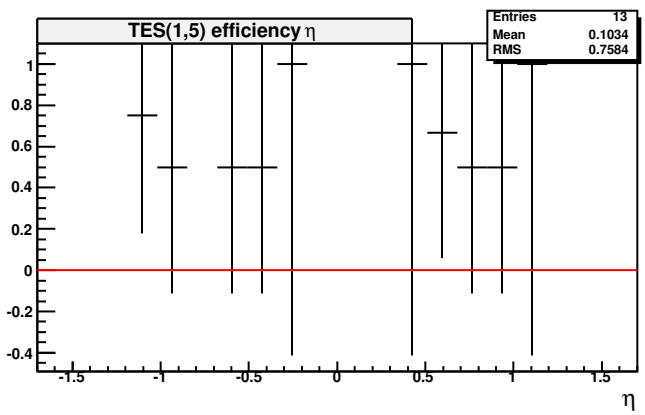

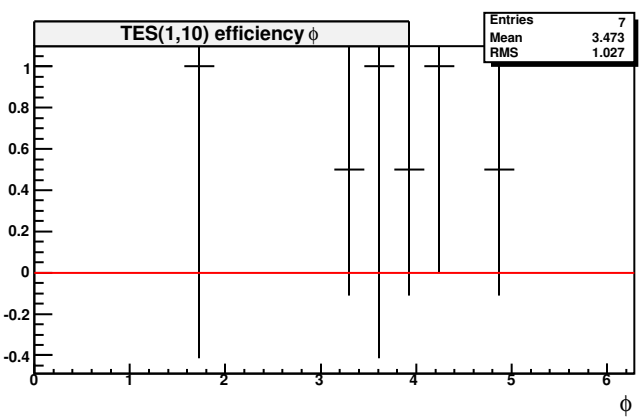

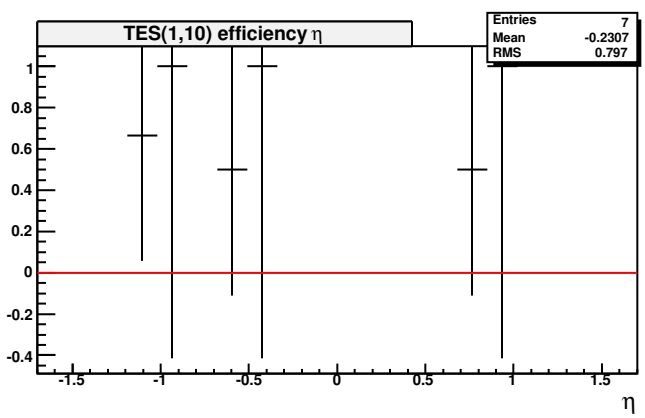

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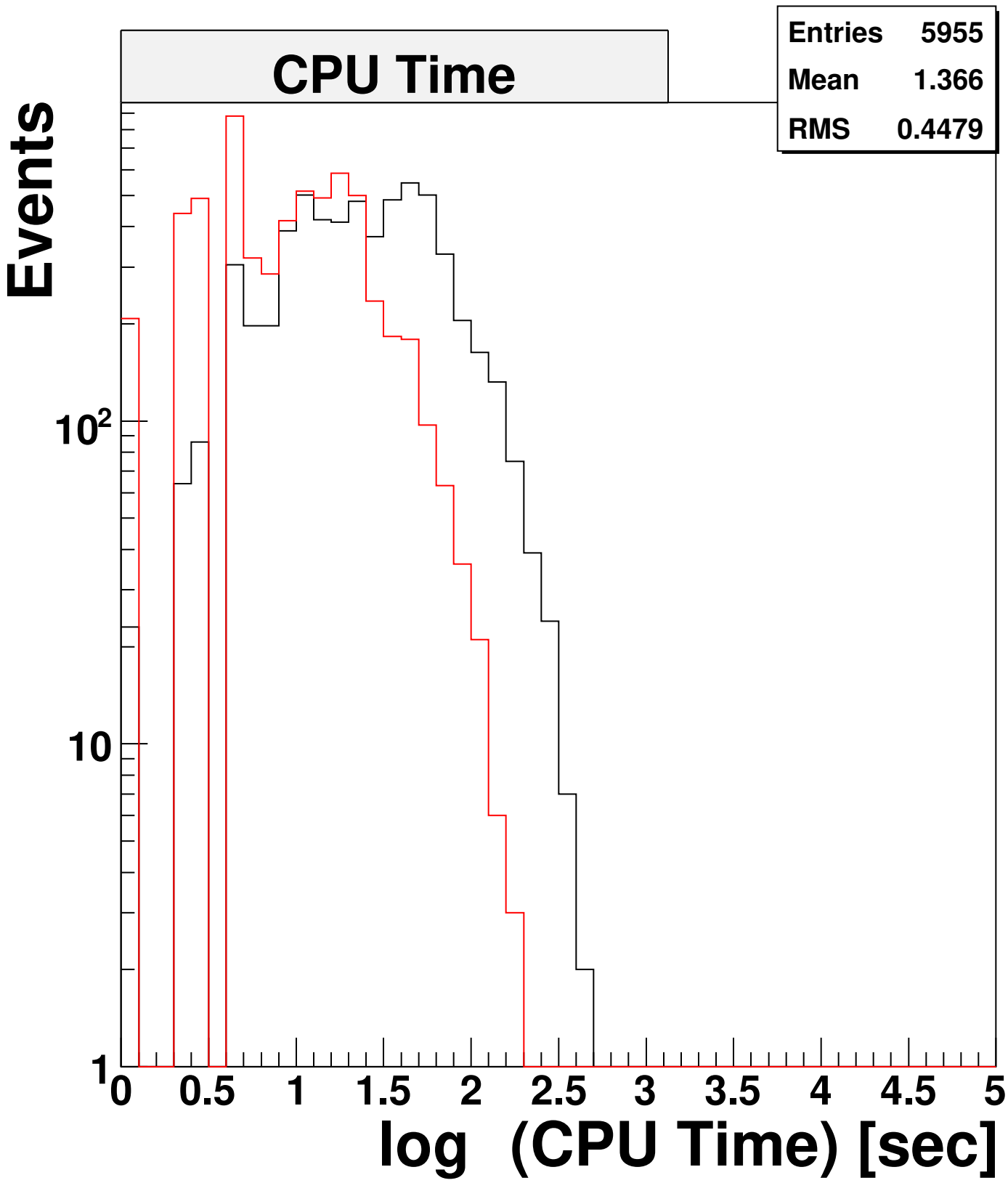

RECO Performance (Timing)