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p2011_r222485_011.root

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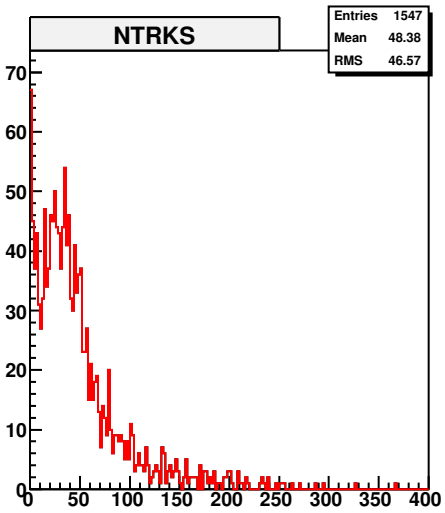
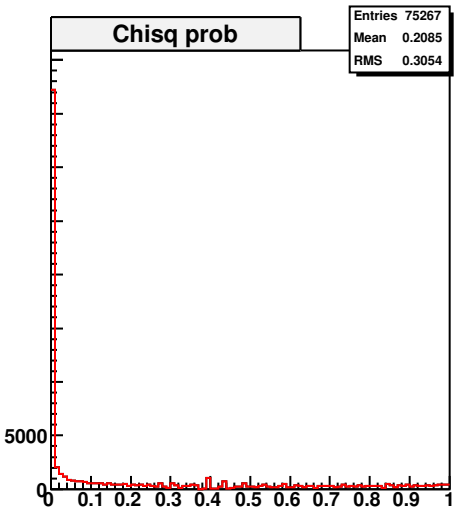

NTRKS
Entries 1547
Mean 48.38
RMS 46.57


Chisq prob
Entries 75267
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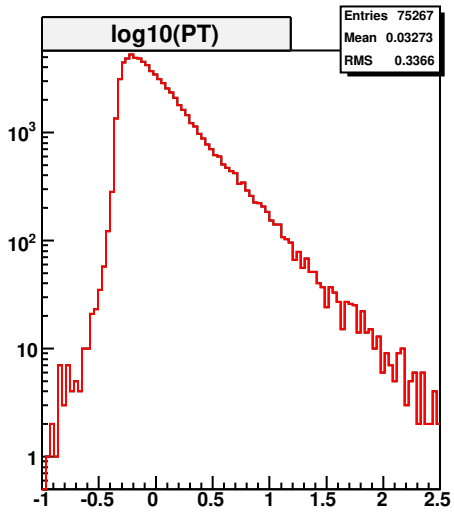
RMS 0.3054


log10(PT)
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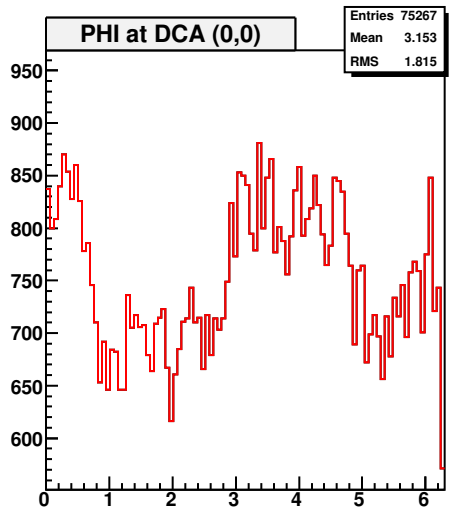
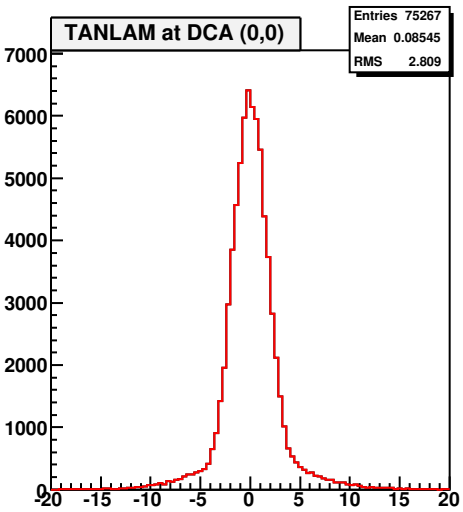
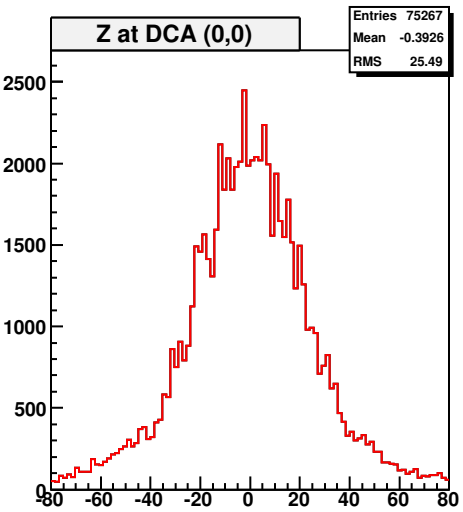
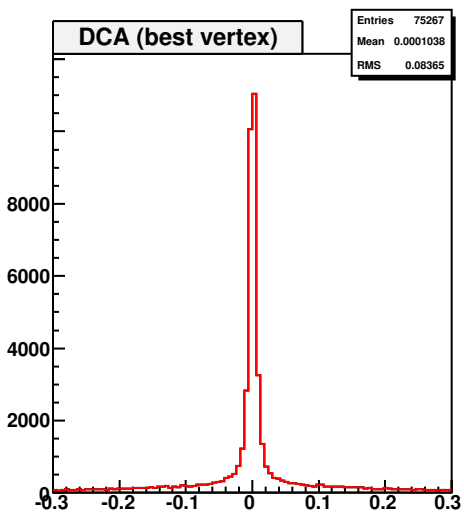
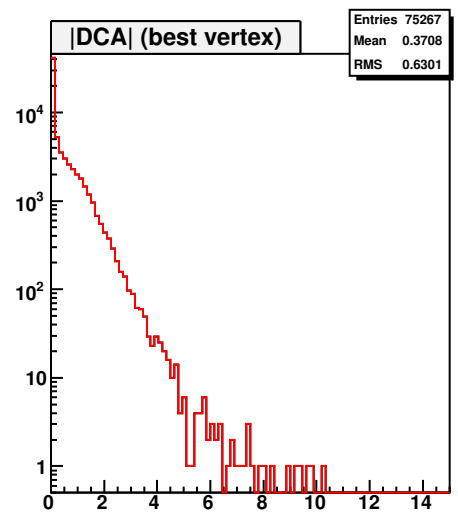
RMS 0.3366

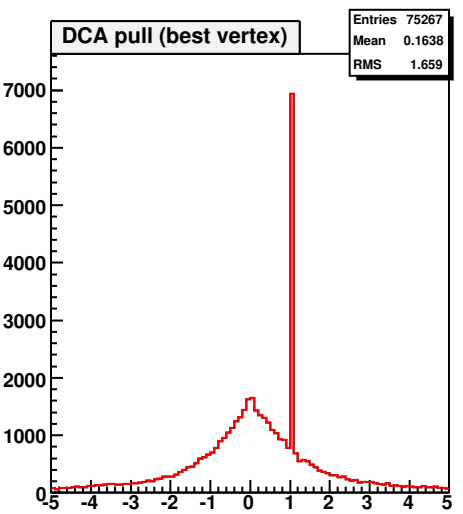

PHI at DCA (0,0)
Entries 75267
Mean 3.153
RMS 1.815


TANLAM at DCA (0,0)
Entries 75267
Mean 0.08545
RMS 2.809

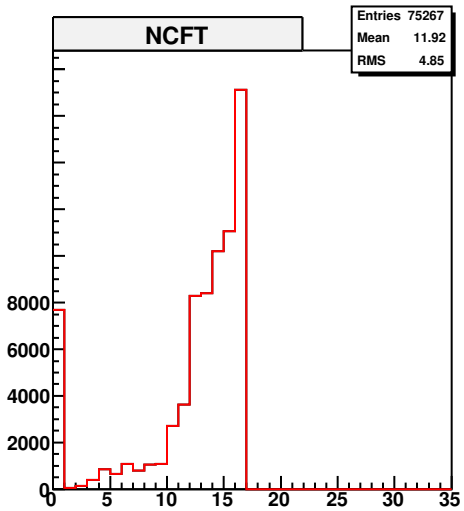

Z at DCA (0,0)
Entries 75267
Mean -0.3926
RMS 25.49

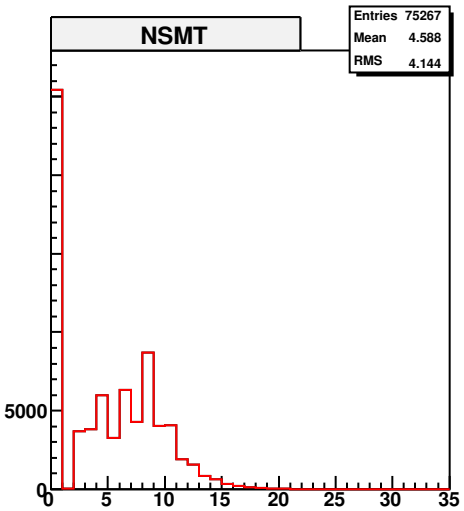

DCA (best vertex)
Entries 75267
Mean 0.0001038
RMS 0.08365

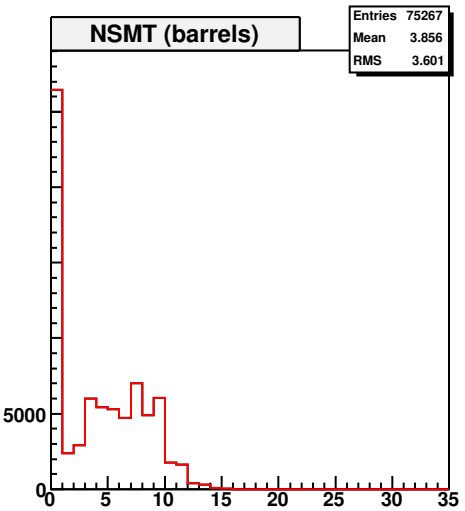

|DCA| (best vertex)
Entries 75267
Mean 0.3708
RMS 0.6301

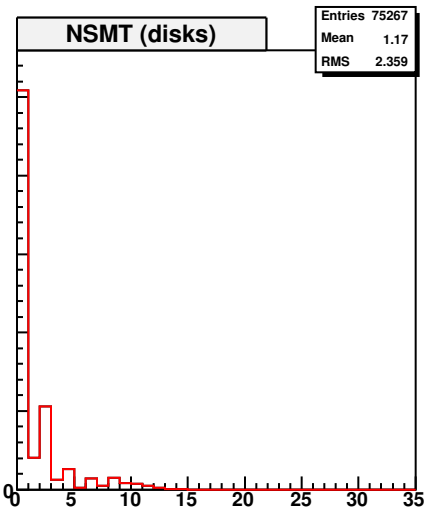

DCA pull (best vertex)
Entries 75267
Mean 0.1638
RMS 1.659

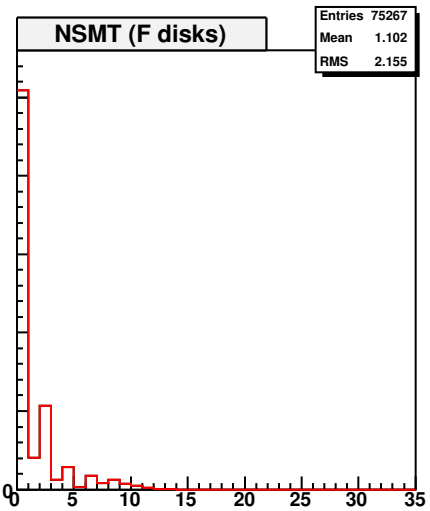
Tracks (All)

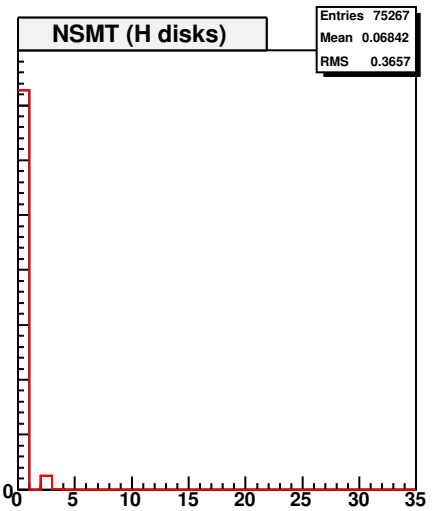


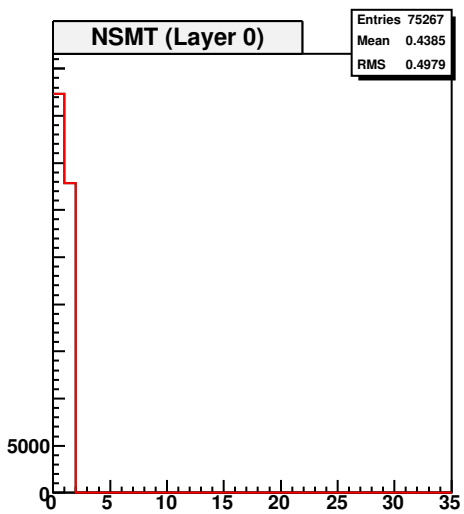




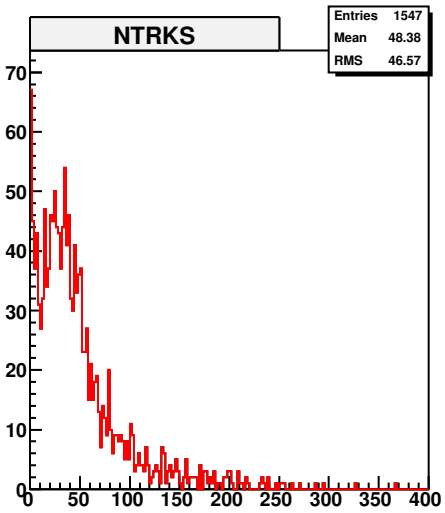


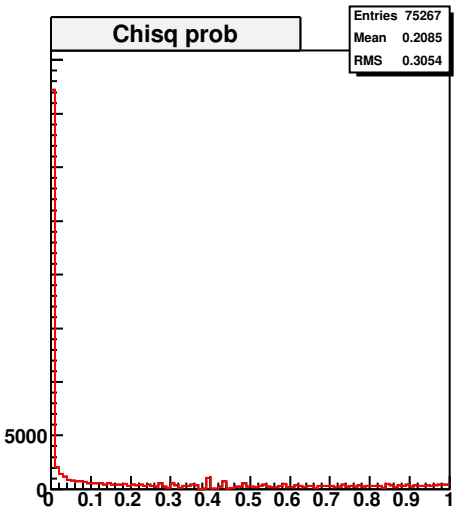


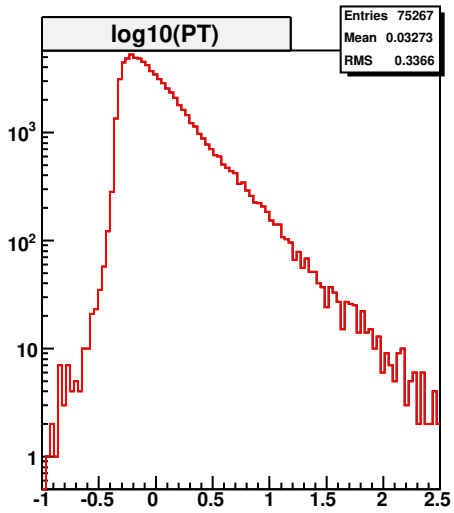


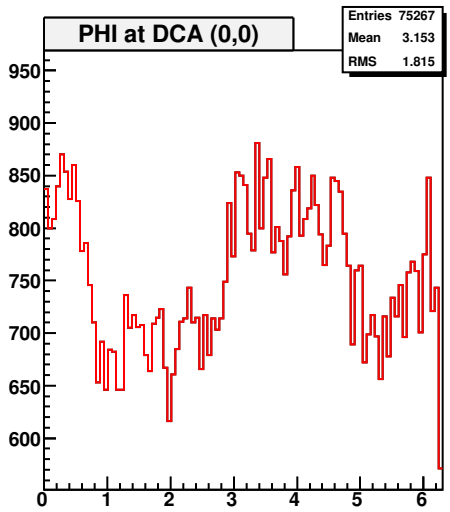


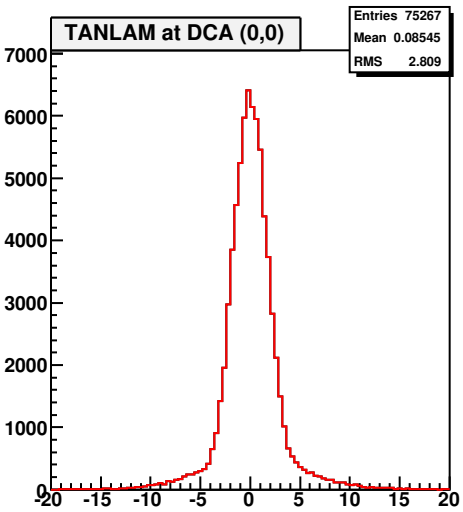
Track Hits (All)

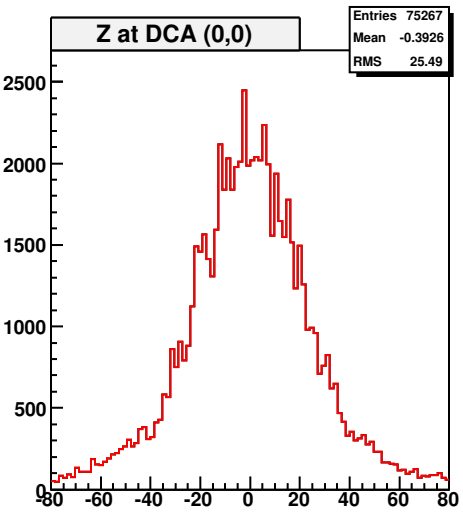


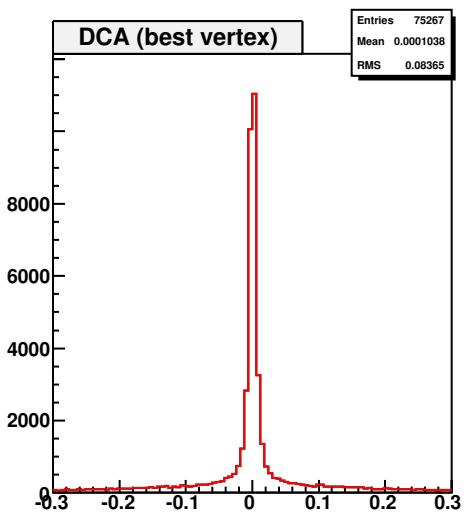


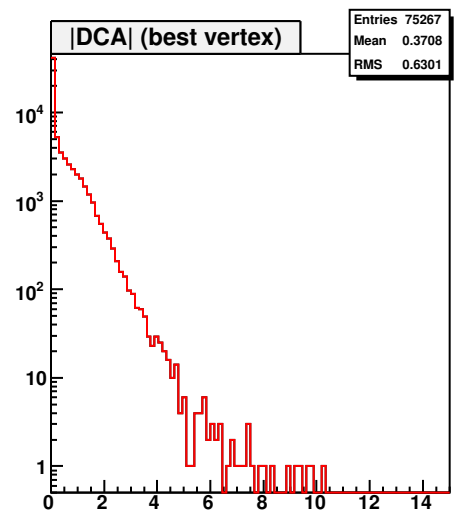


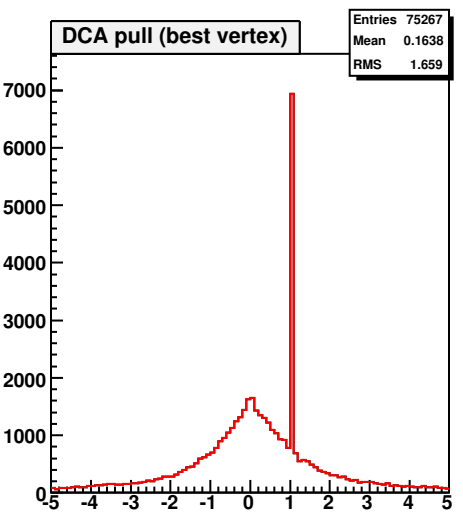




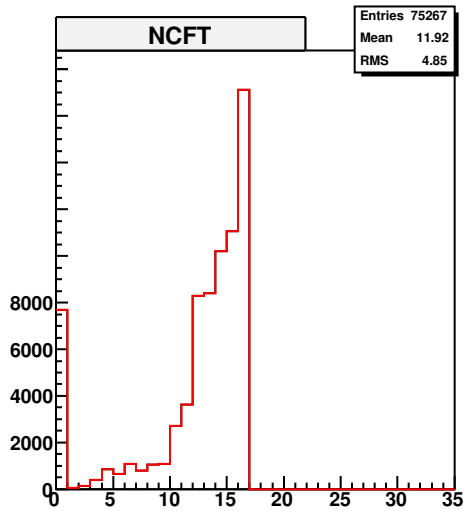


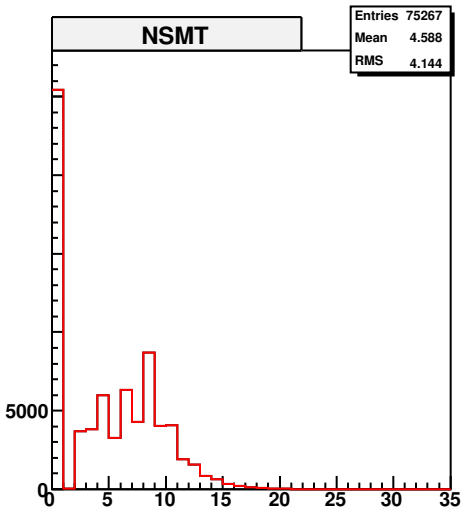


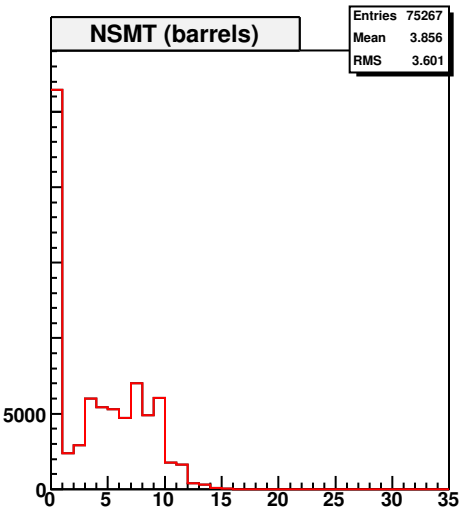


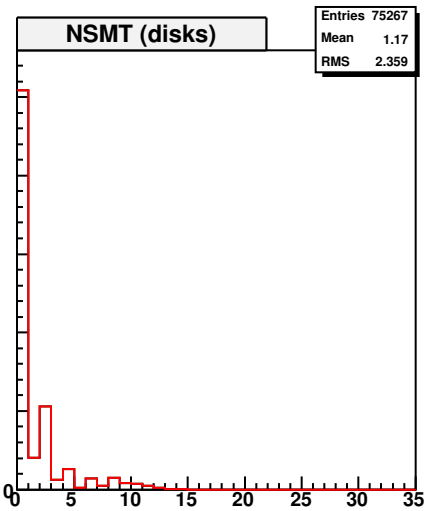


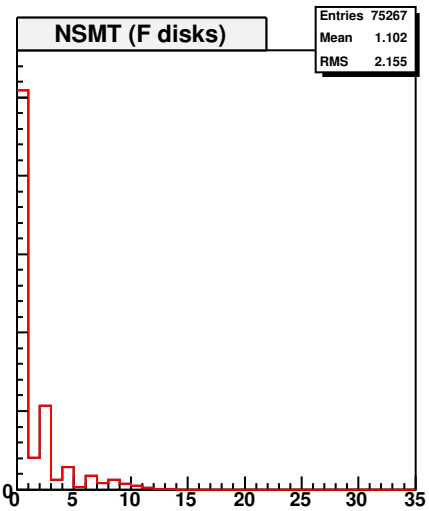
Tracks (Tight)

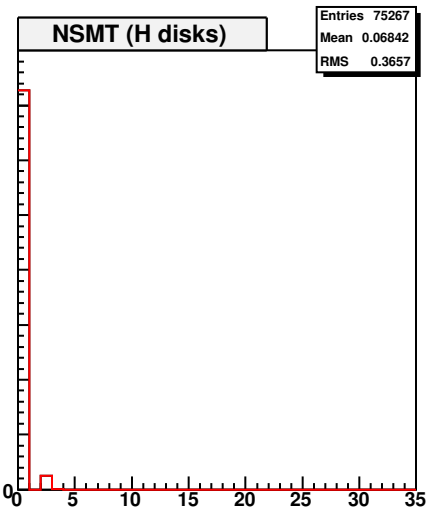


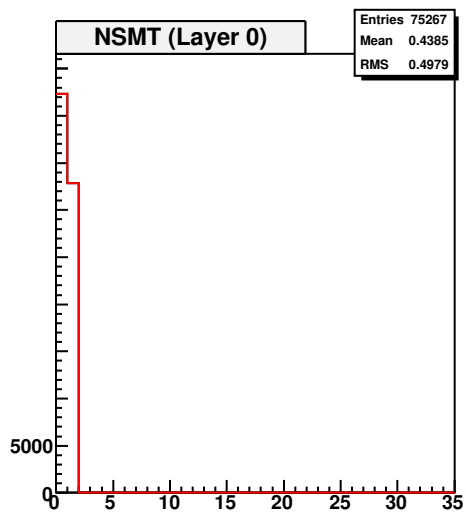




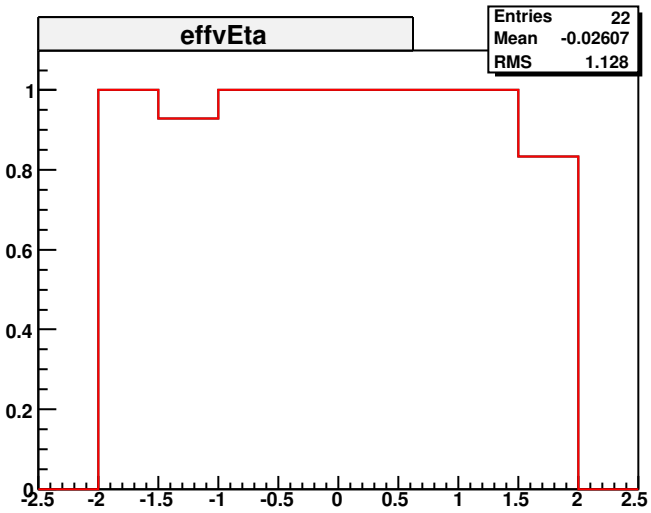


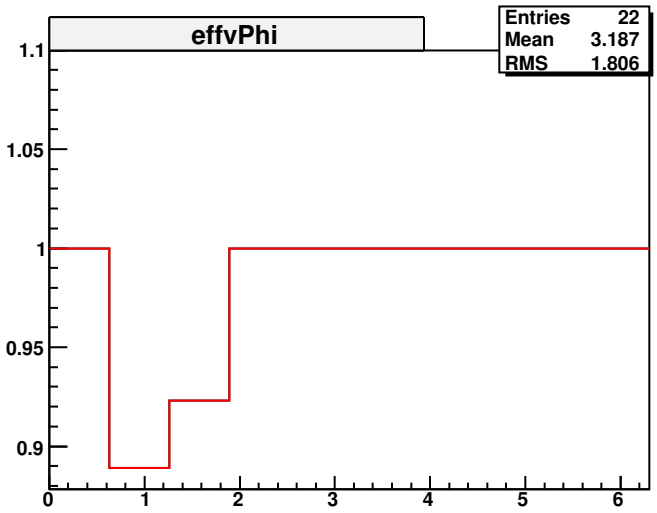


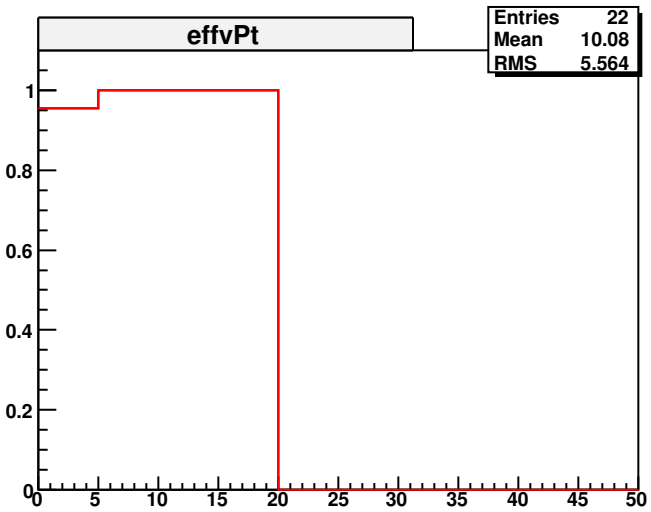


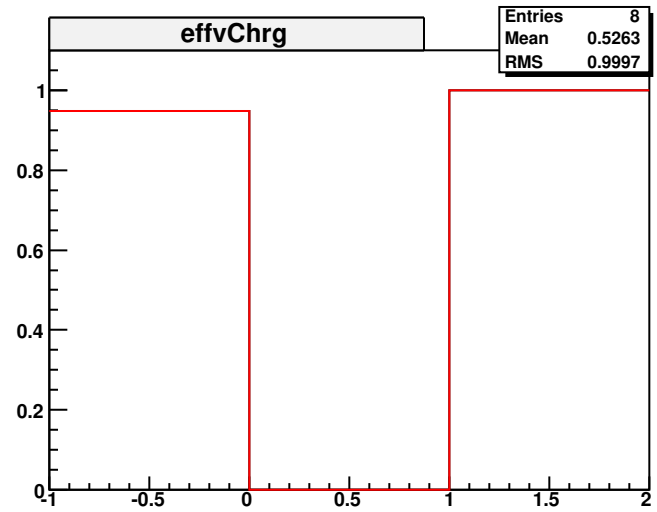


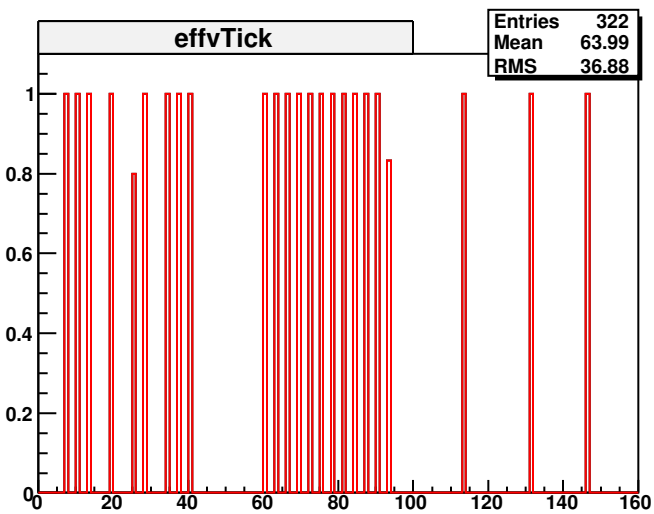
Track Hits (Tight)

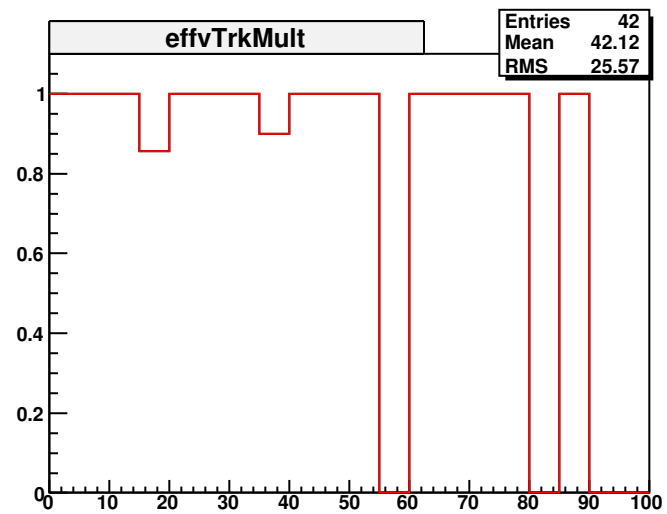




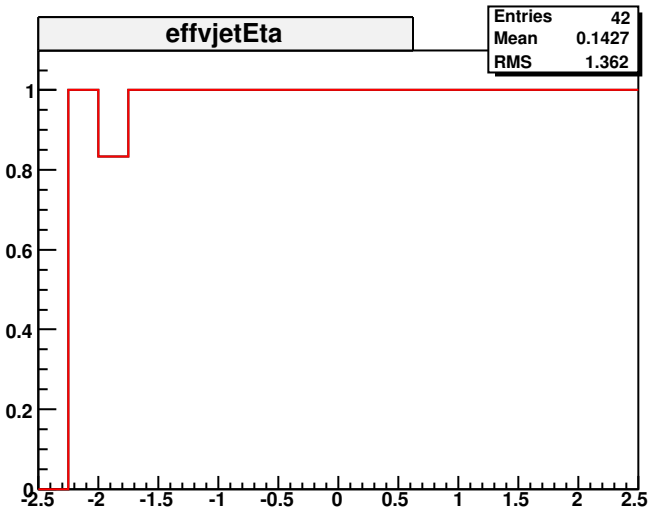


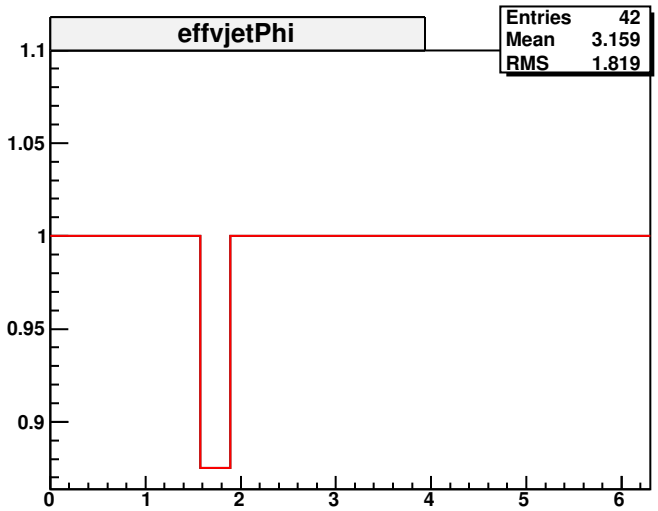


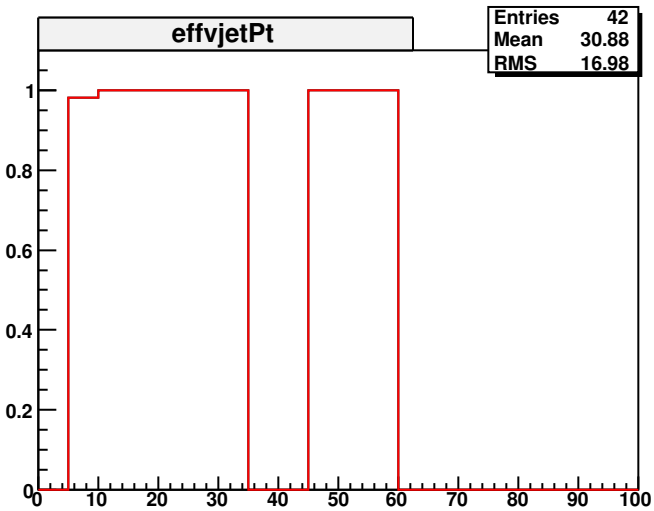




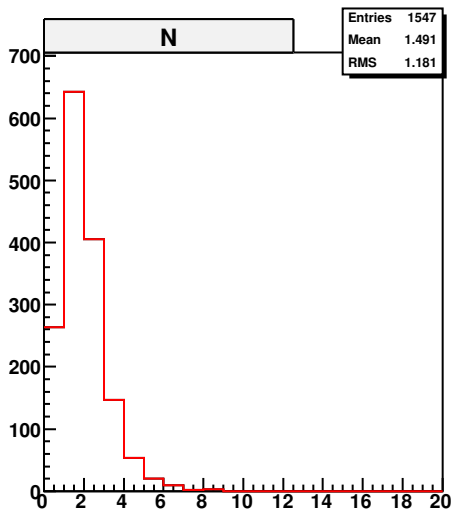
Tracking (Efficiency-Isolated)

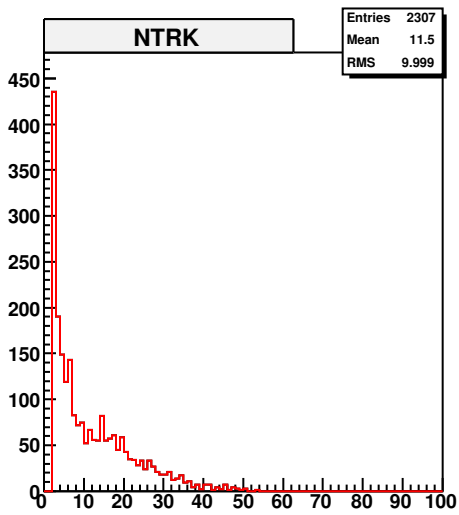


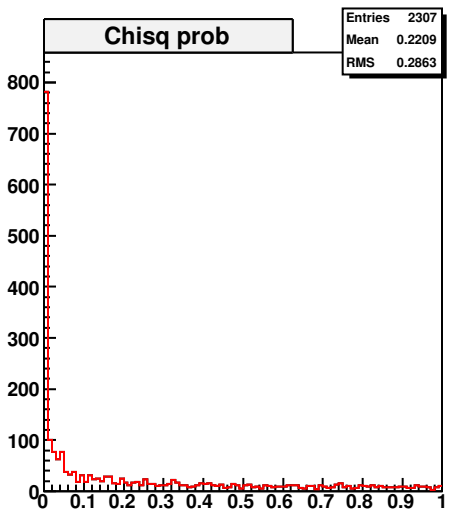


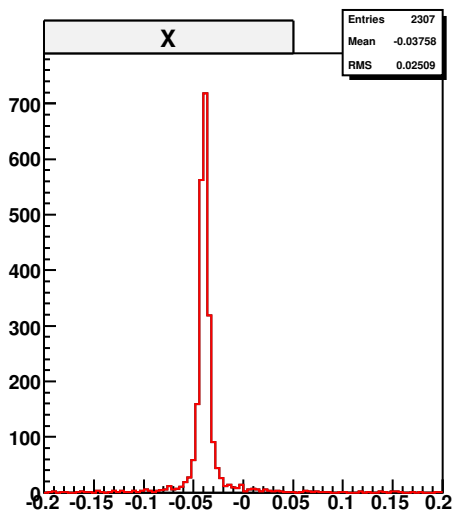


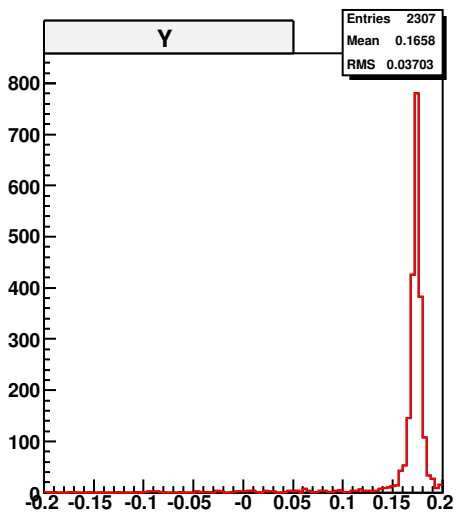
Tracking (Efficiency-InJets)

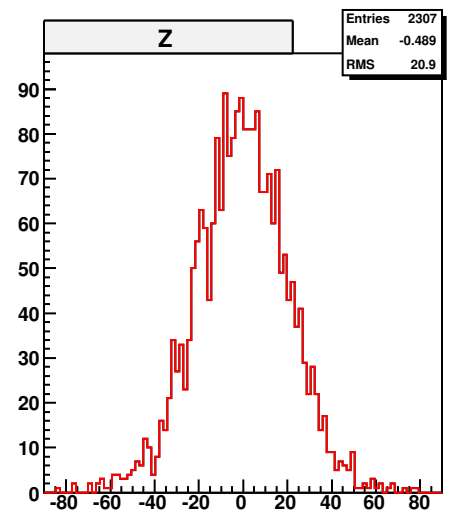


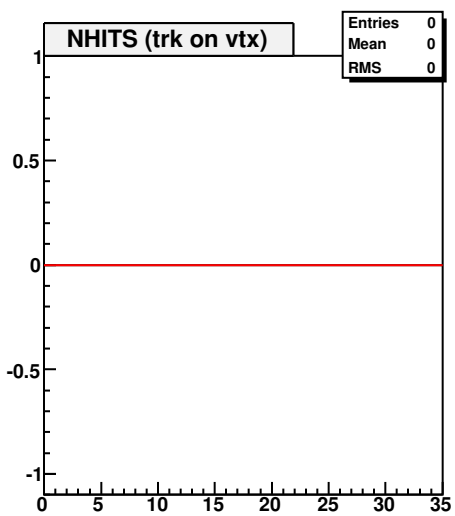


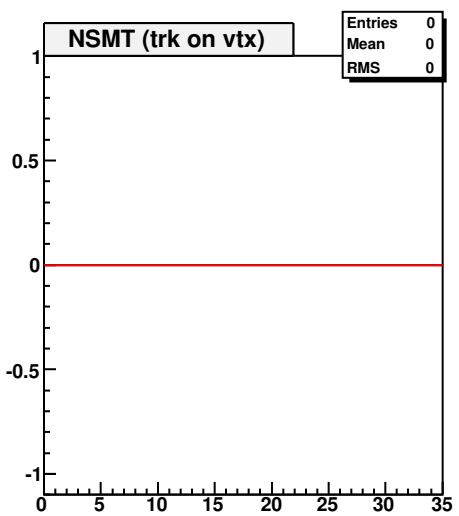


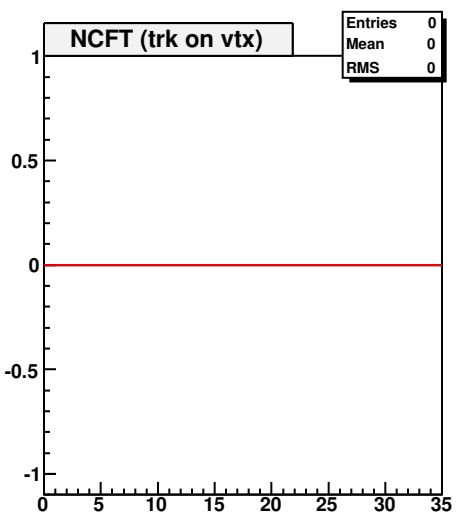




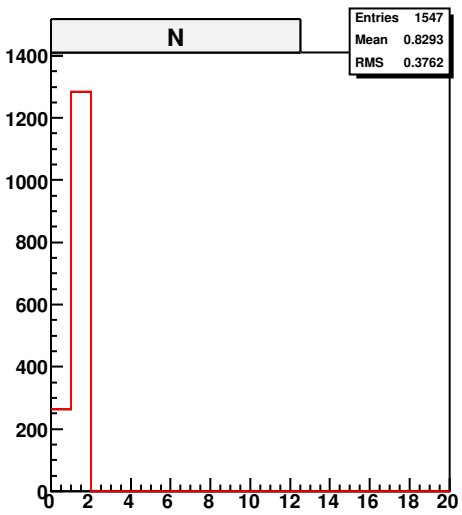


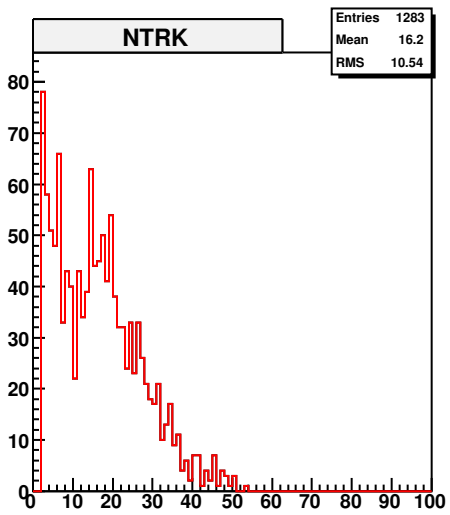


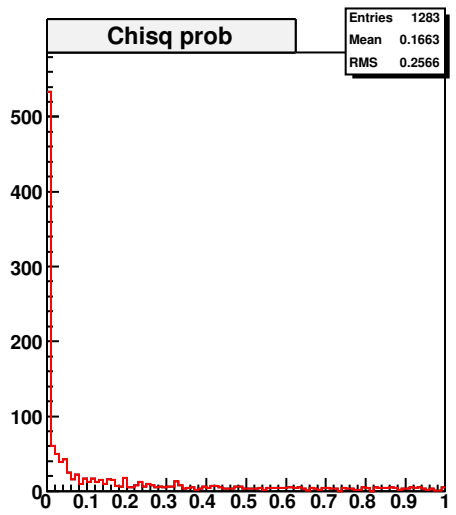


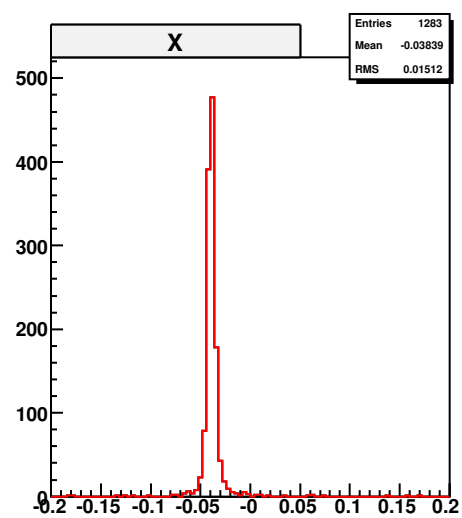


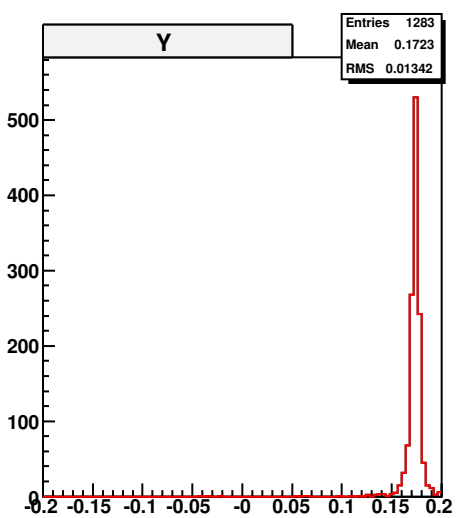
Vertices (Primary - all candidates)

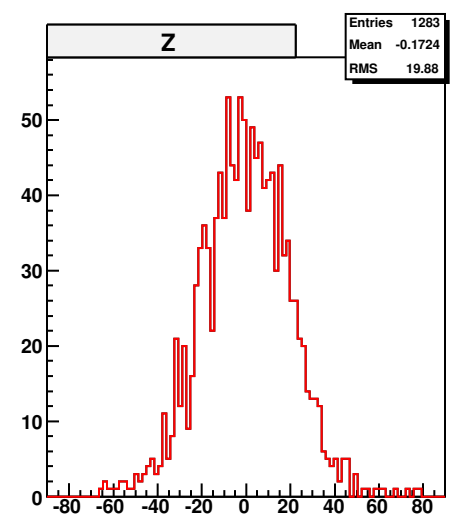


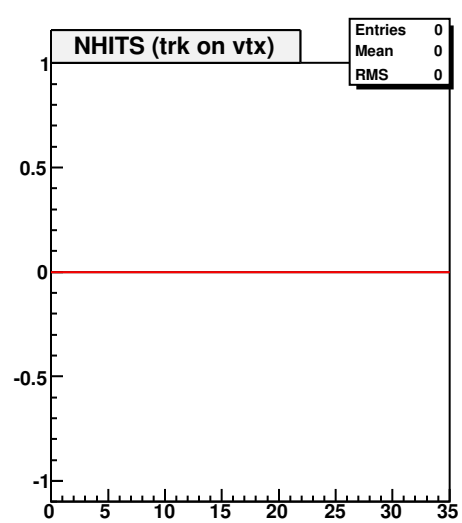


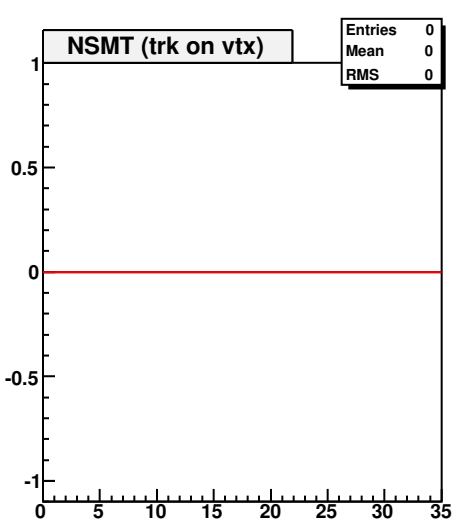


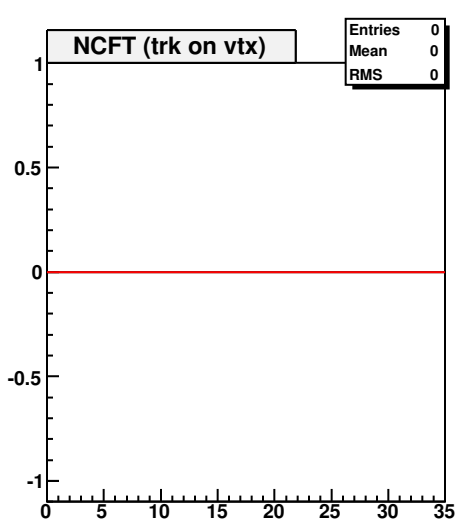




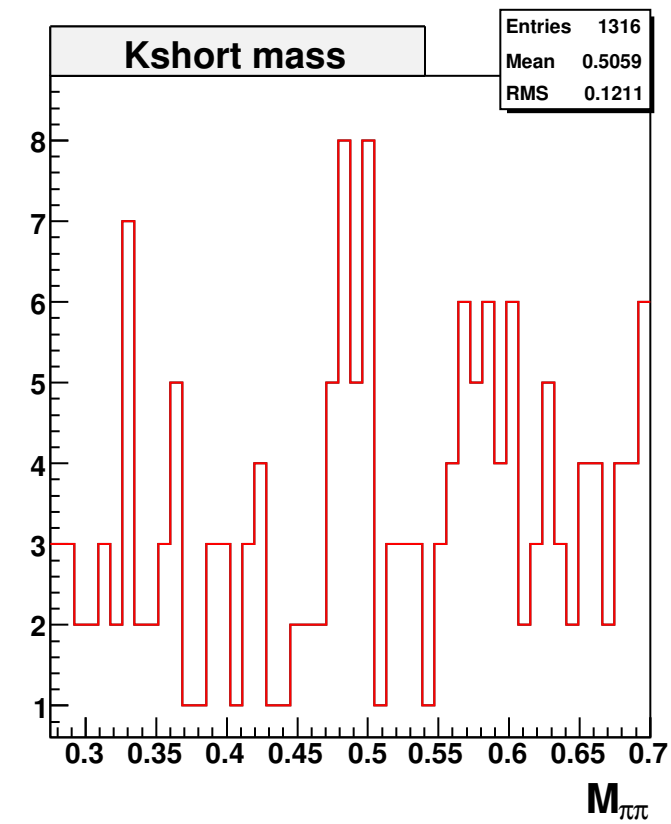


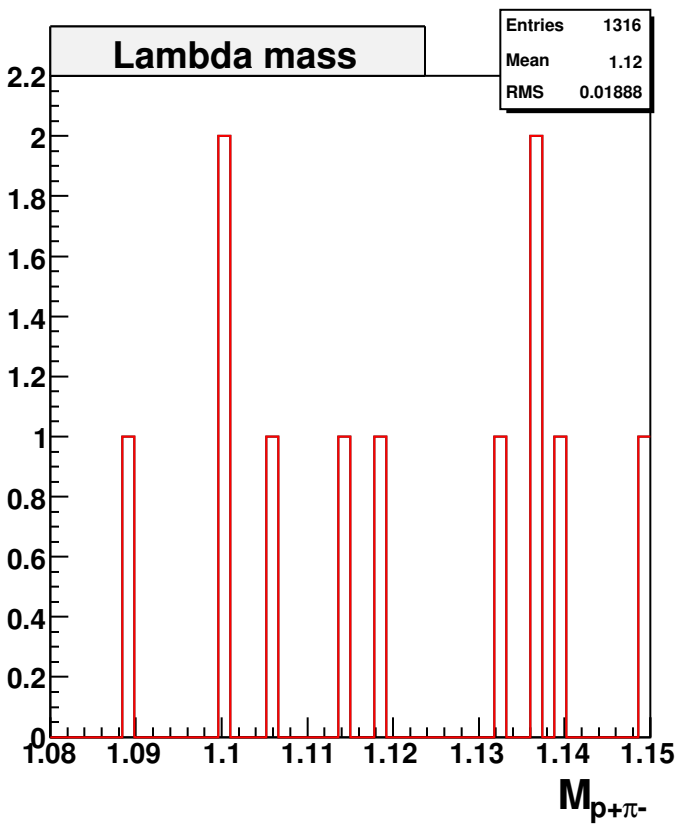


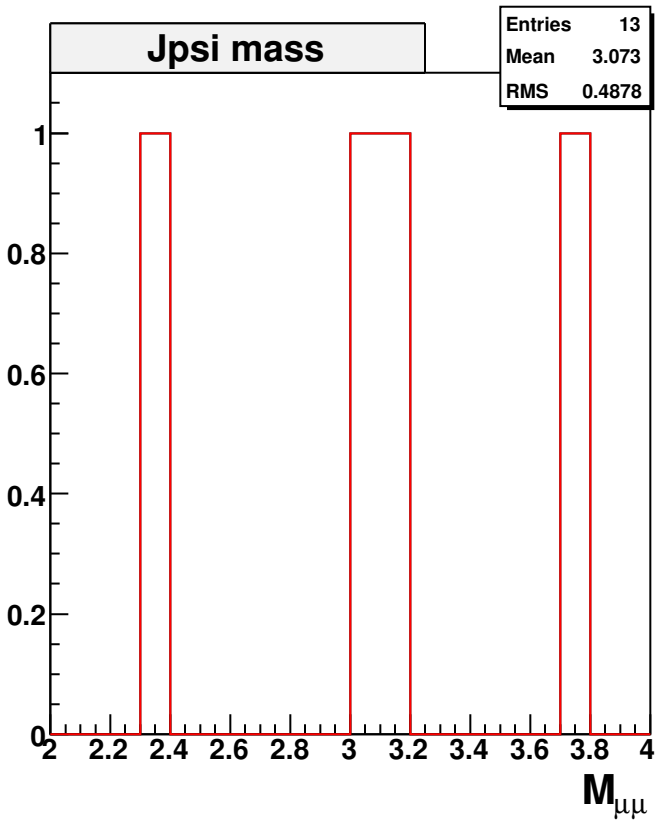


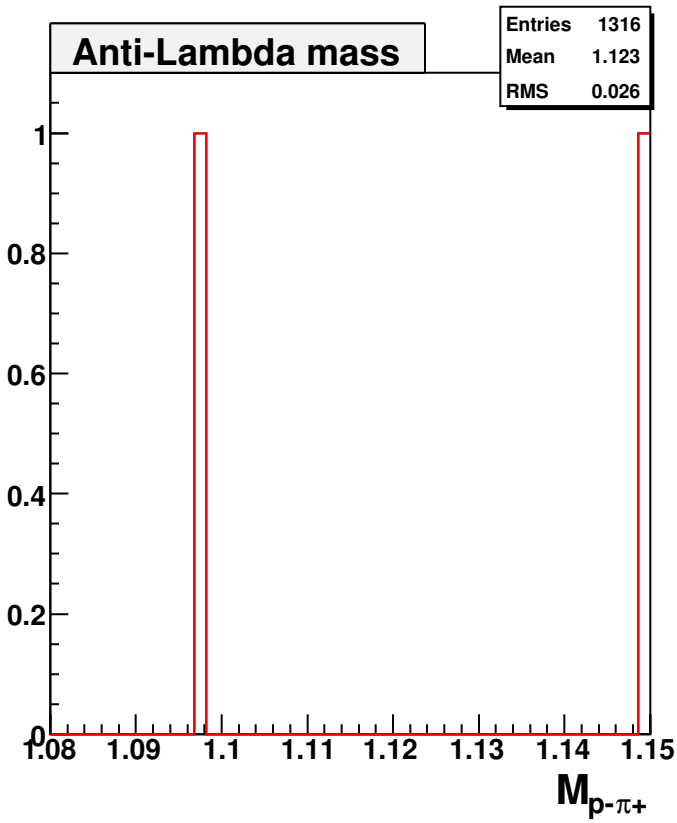


Vertices (Primary - best)

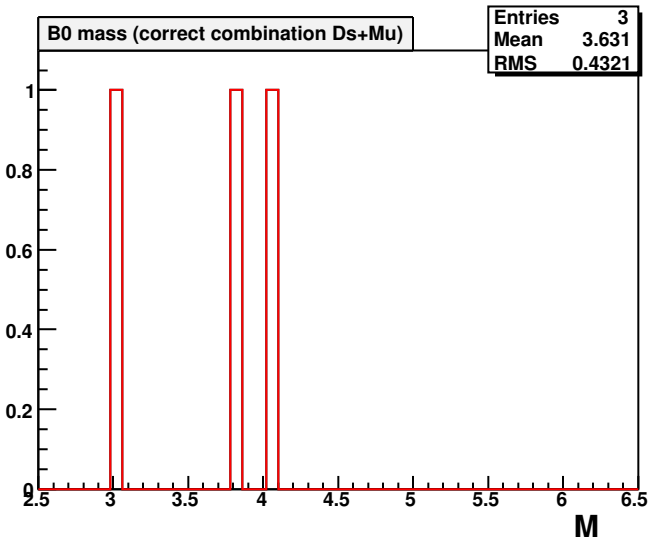

Kshort mass
Entries 1316
Mean 0.5059
RMS 0.1211
$M_{\pi\pi}$

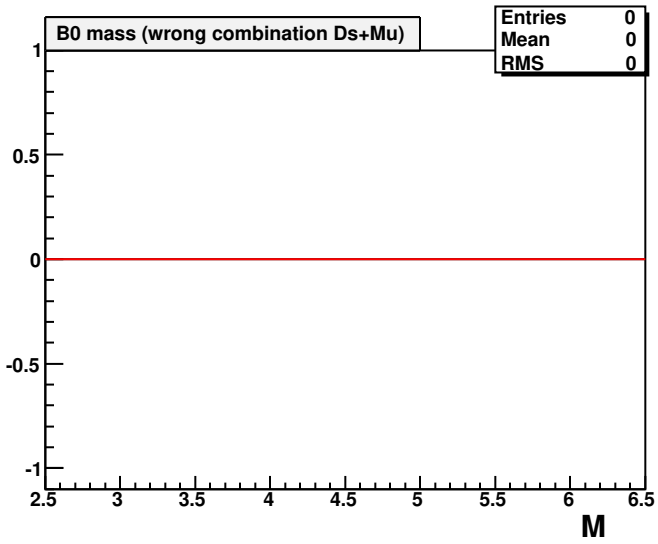

Lambda mass
Entries 1316
Mean 1.12
RMS 0.01888
$M_{p+\pi-}$

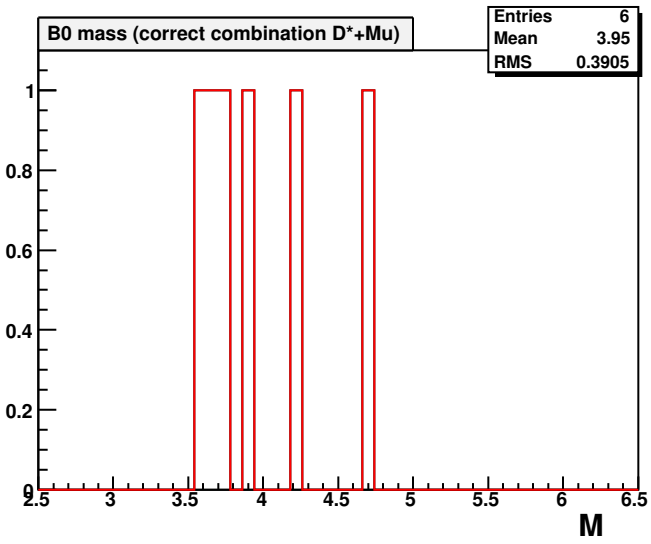

Jpsi mass
Entries 13
Mean 3.073
RMS 0.4878
$M_{\mu\mu}$

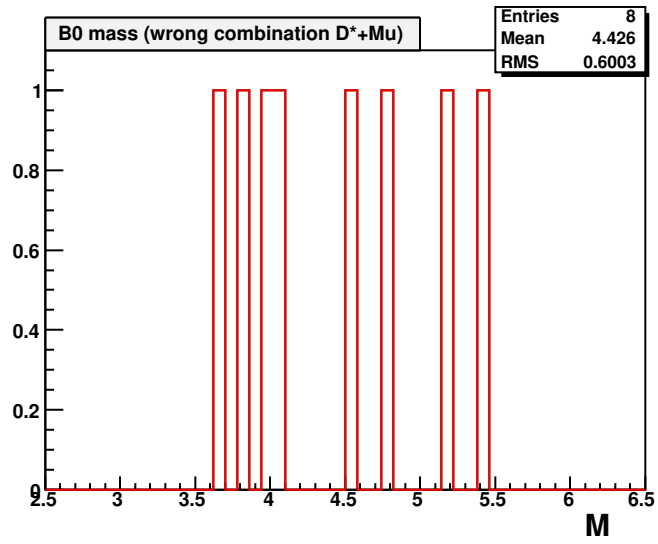

Anti-Lambda mass
Entries 1316
Mean 1.123
RMS 0.026
$M_{p-\pi+}$

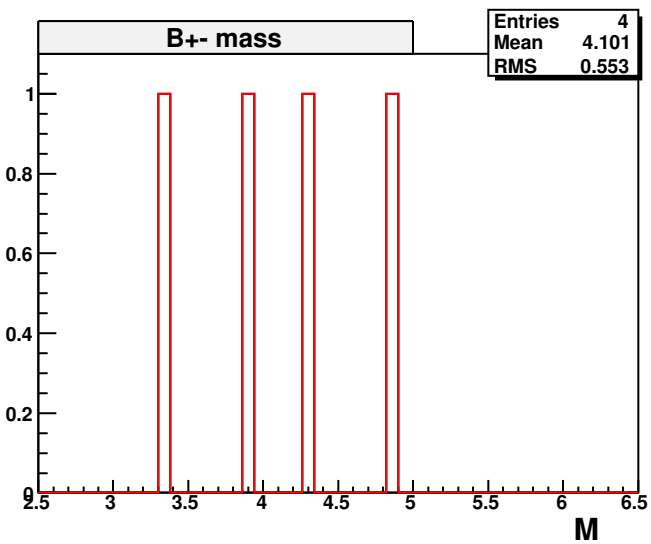
V0 (All)



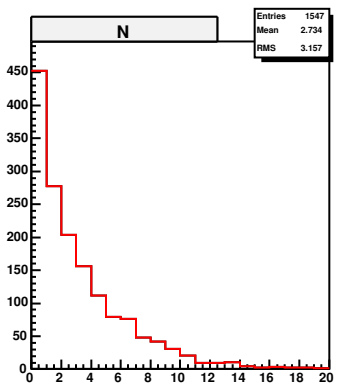


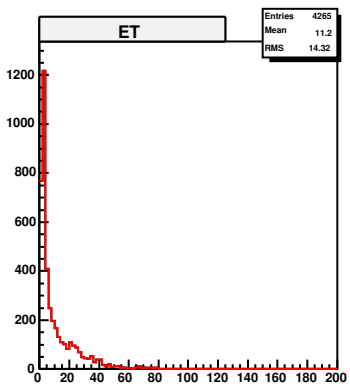


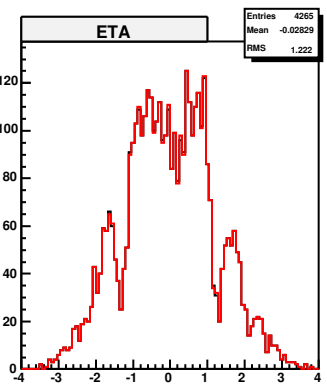


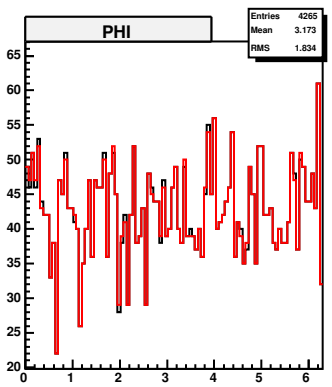


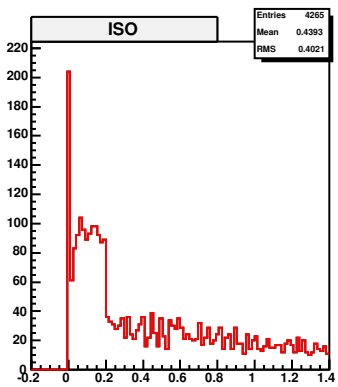
V0(B mesons) (All)

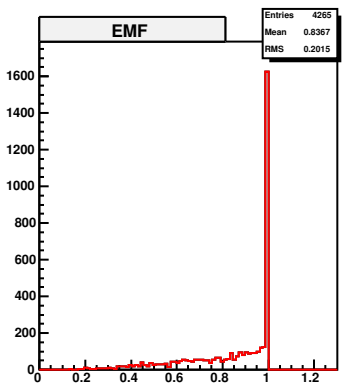


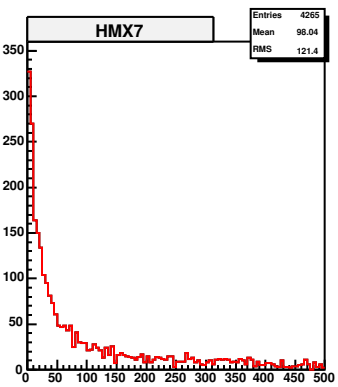


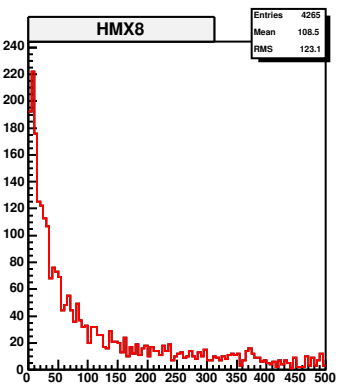


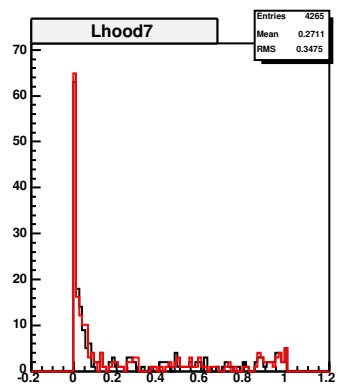


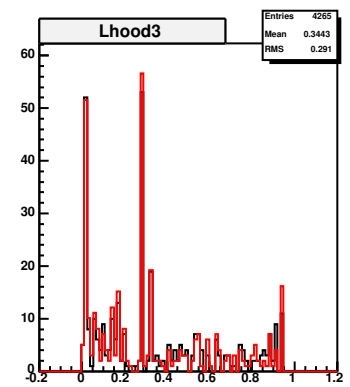


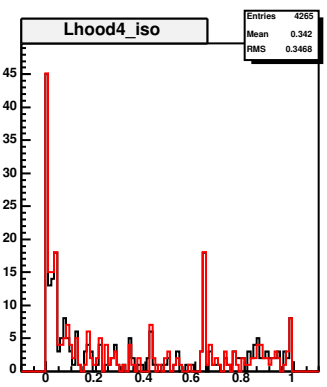


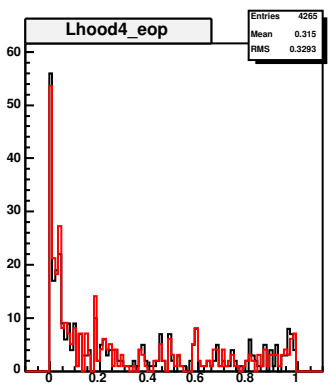


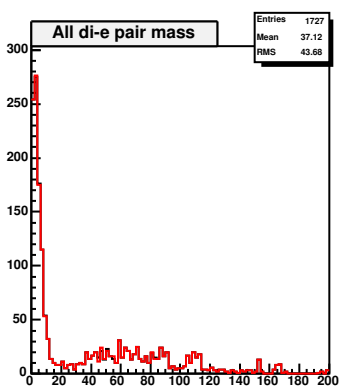


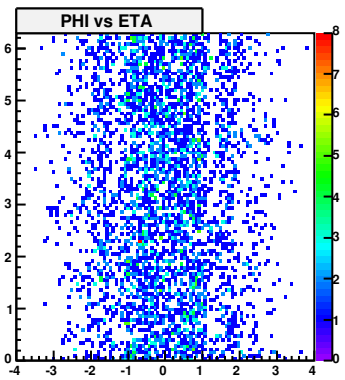


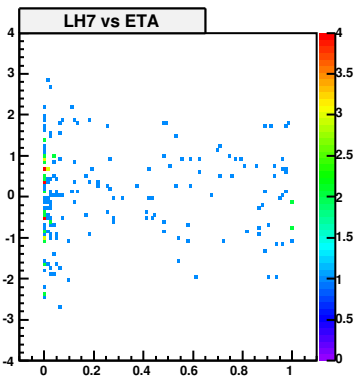


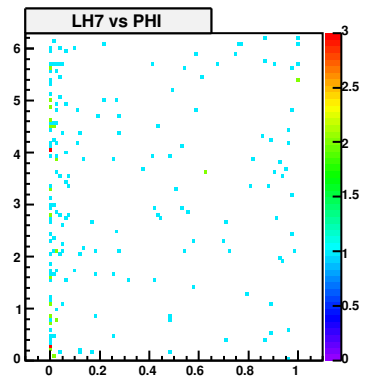




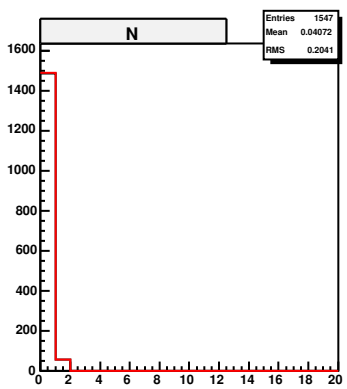


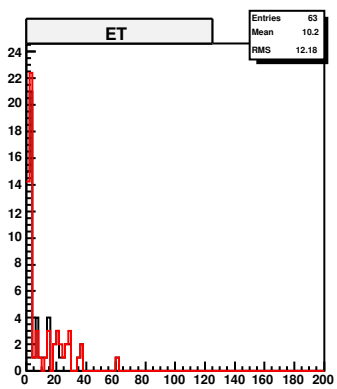


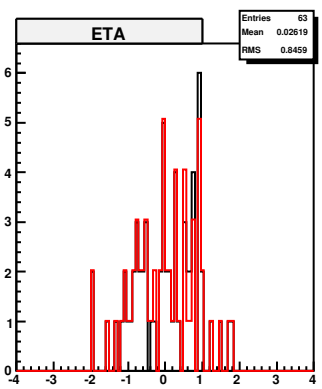


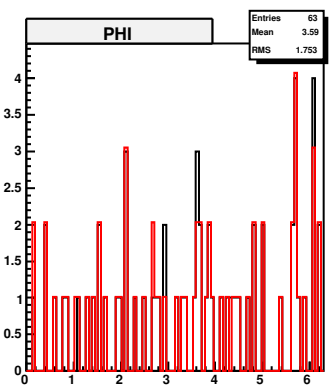


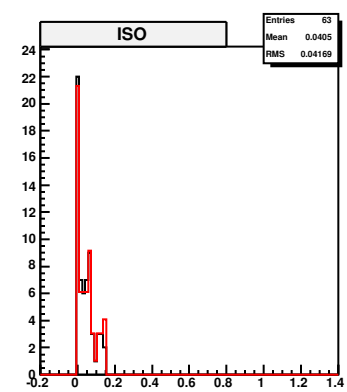
Electrons (SCONE All)

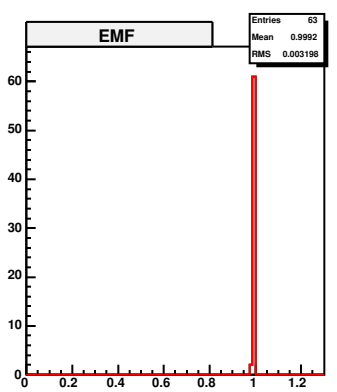


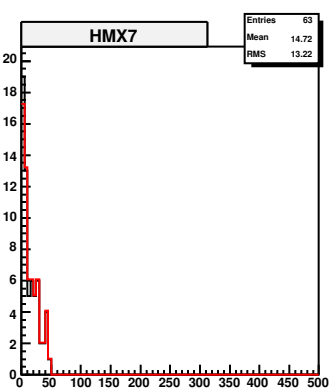


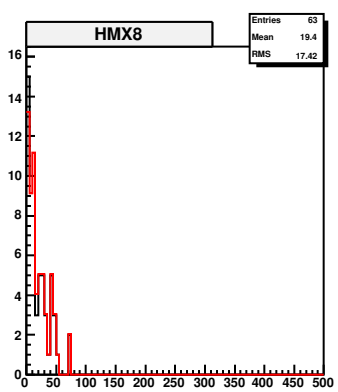


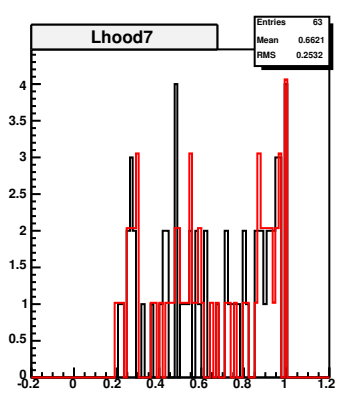


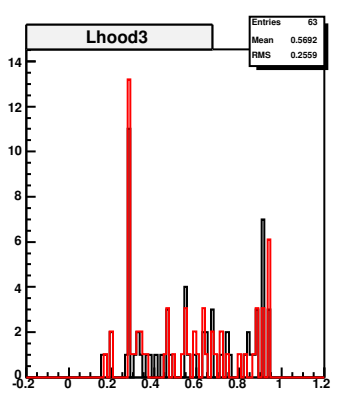


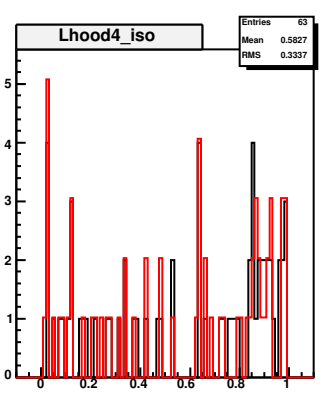


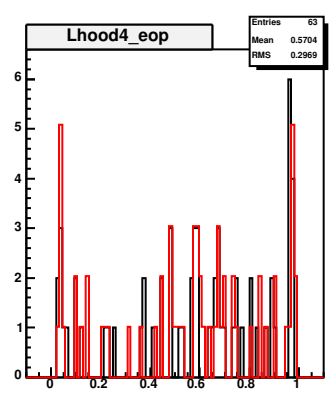


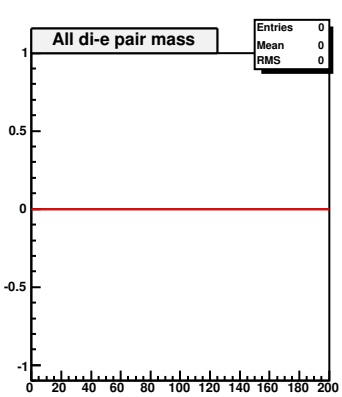


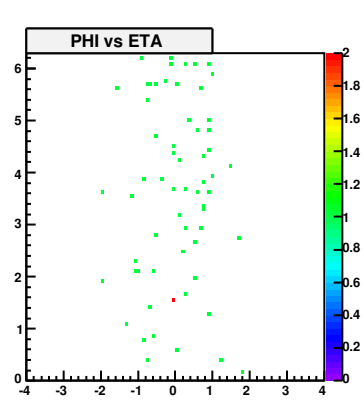


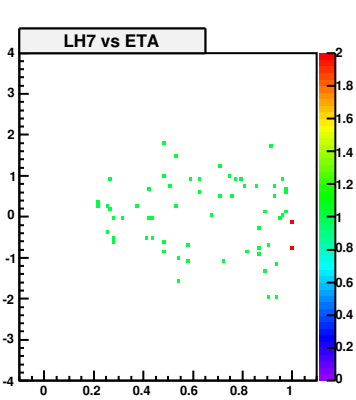


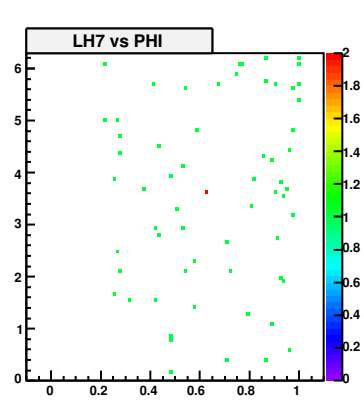




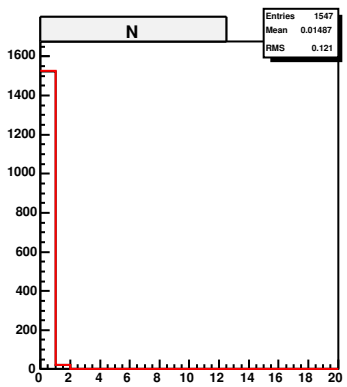


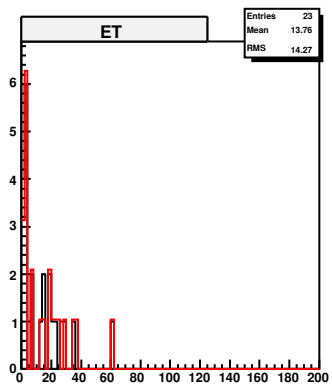


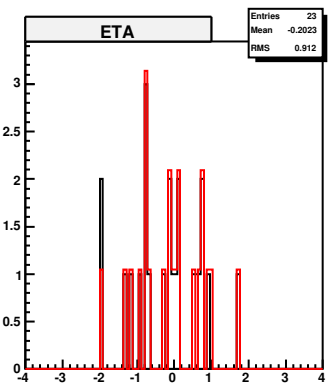


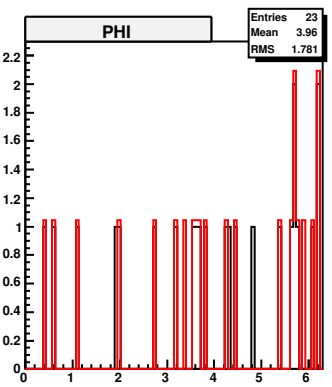


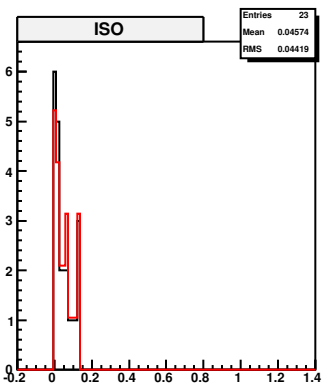
Electrons (SCONE Loose)

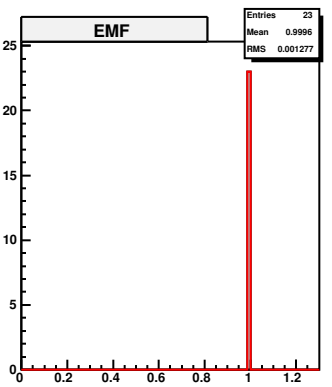


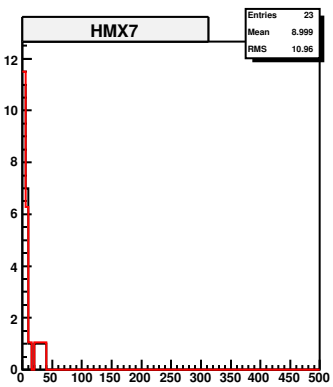


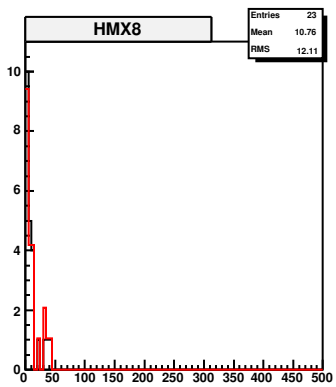


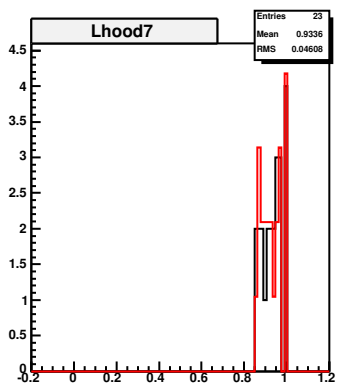


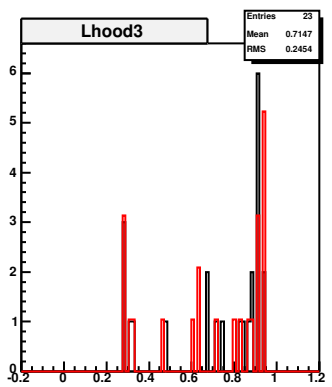


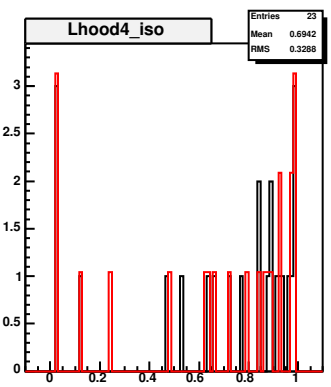


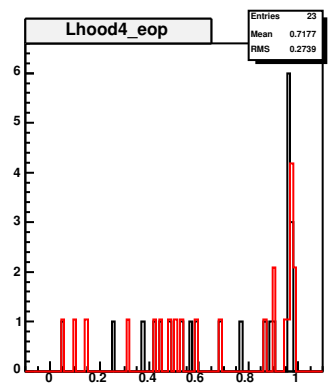


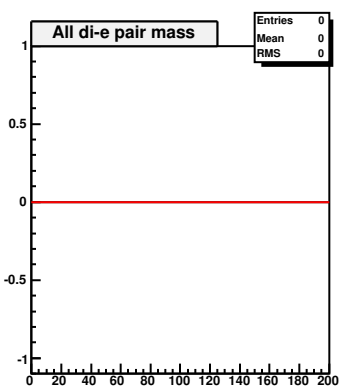


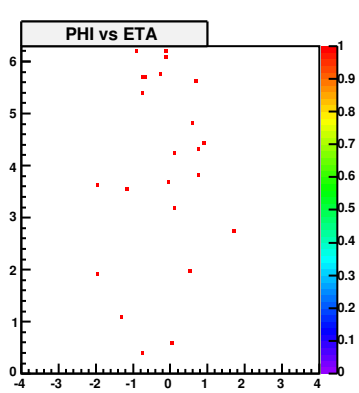


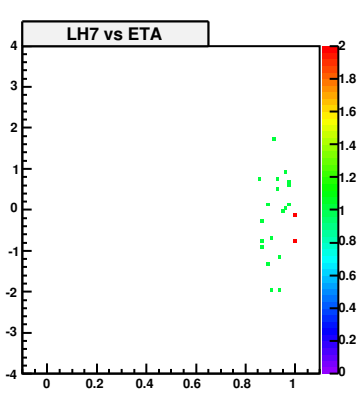


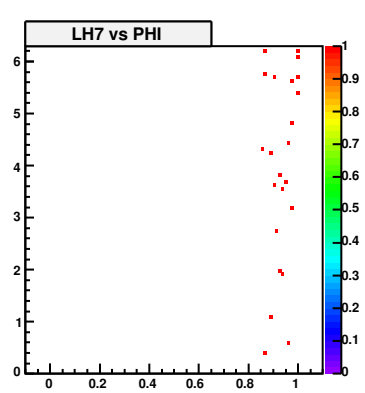




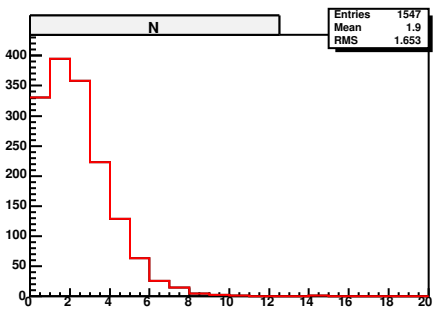


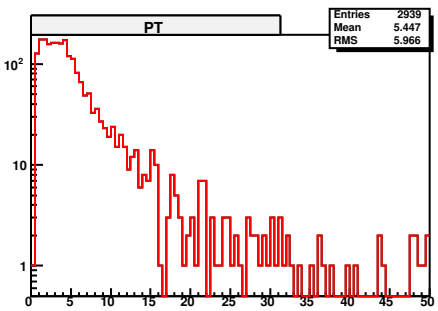


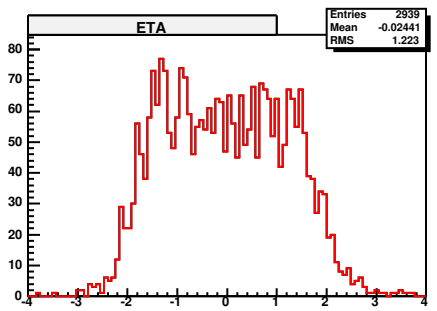


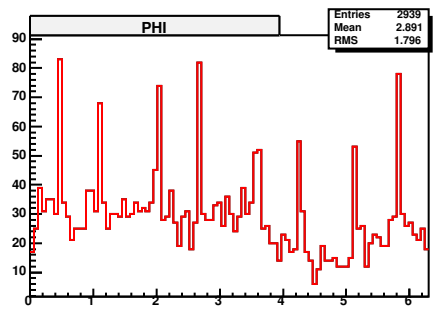


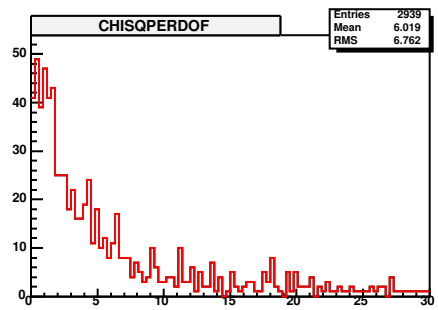
Electrons (SCONE Tight)

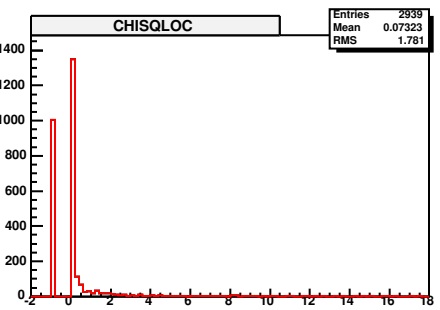

N
Entries 1547
Mean 1.9
RMS 1.653

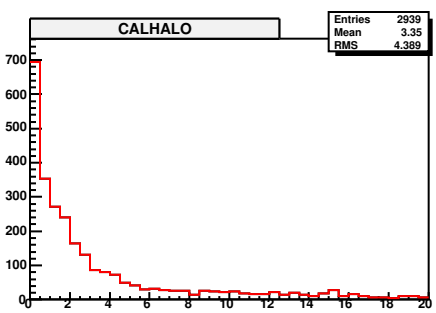

PT
Entries 2939
Mean 5.447
RMS 5.966

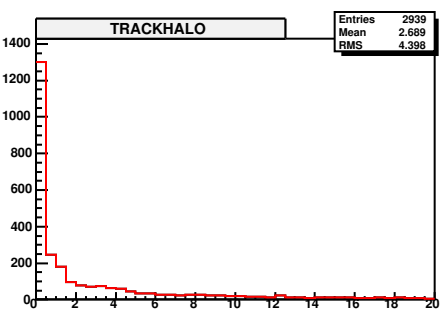

ETA
Entries 2939
Mean -0.02441
RMS 1.223

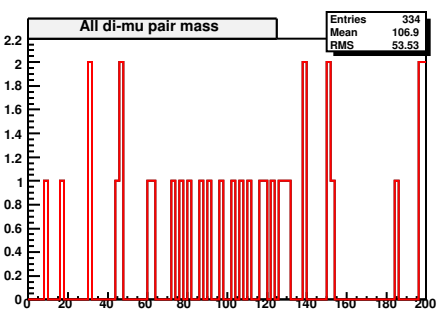

PHI
Entries 2939
Mean 2.891
RMS 1.796

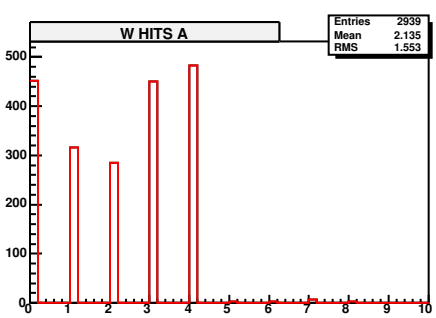

CHISQPERDOF
Entries 2939
Mean 6.019
RMS 6.762

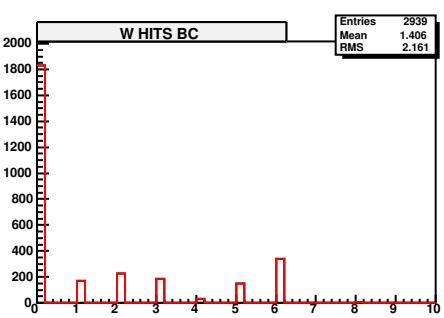

CHISQLOC
Entries 2939
Mean 0.07323
RMS 1.781

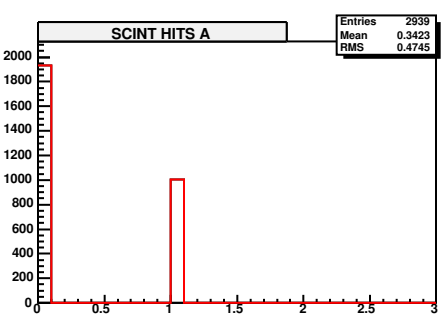

CALHALO
Entries 2939
Mean 3.35
RMS 4.389

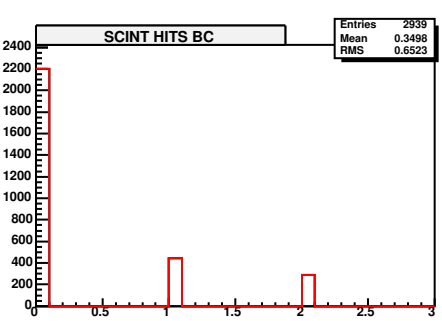

TRACKHALO
Entries 2939
Mean 2.689
RMS 4.398


All di-mu pair mass
Entries 334
Mean 106.9
RMS 53.53

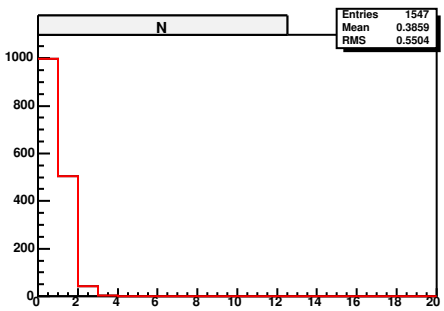

W HITS A
Entries 2939
Mean 2.135
RMS 1.553

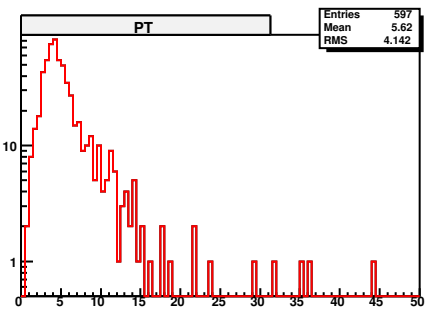

W HITS BC
Entries 2939
Mean 1.406
RMS 2.161

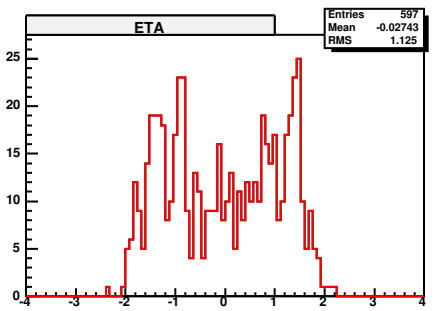

SCINT HITS A
Entries 2939
Mean 0.3423
RMS 0.4745

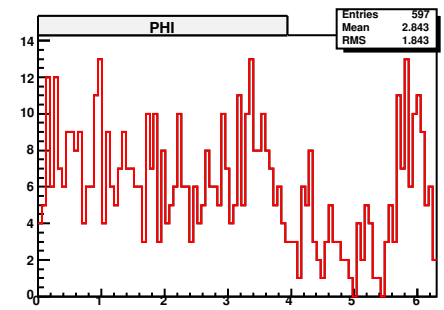

SCINT HITS BC
Entries 2939
Mean 0.3498
RMS 0.6523

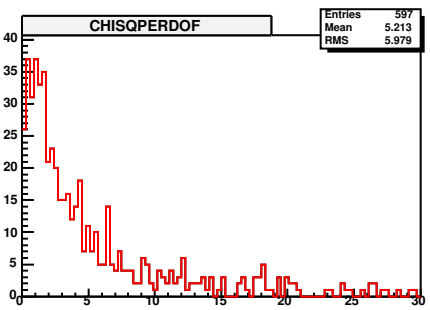
Muons (All)

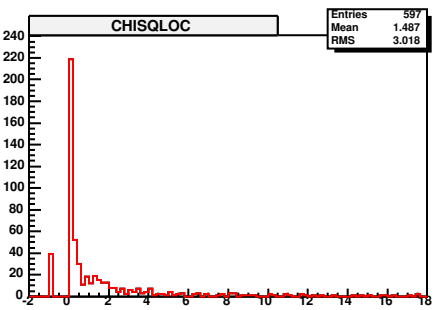


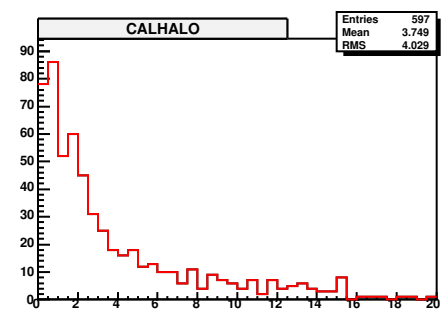


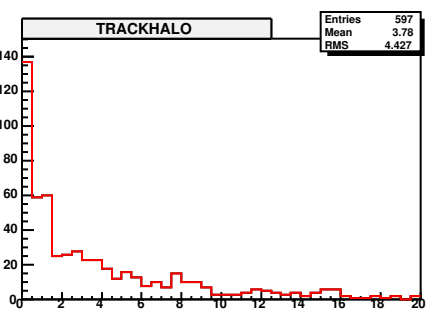


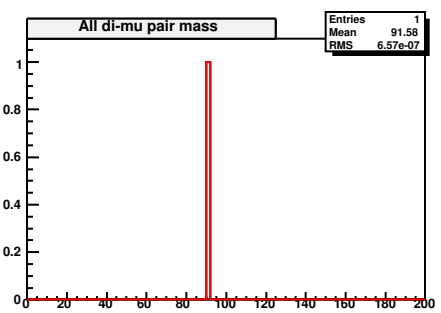


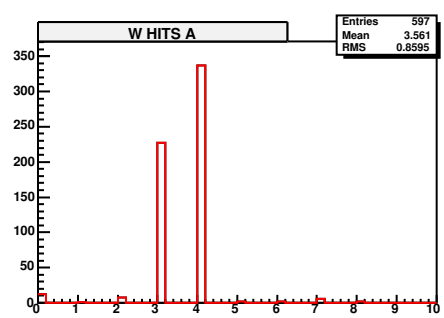


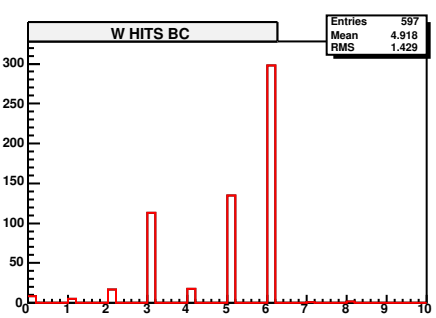


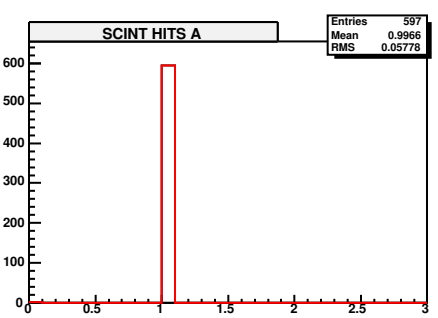


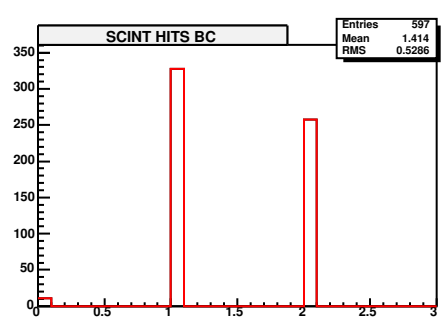




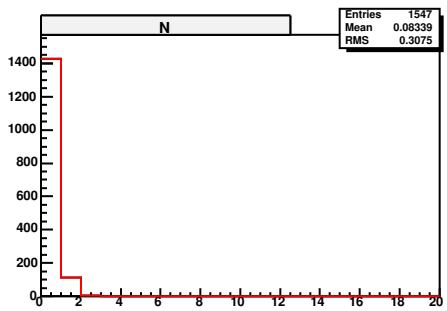


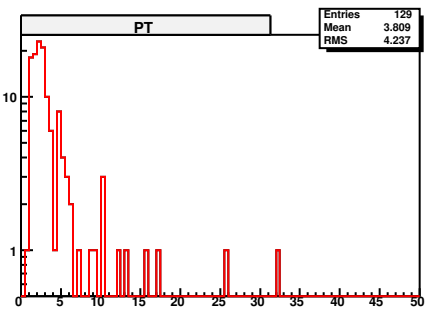


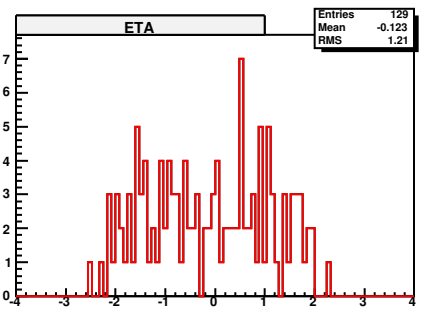


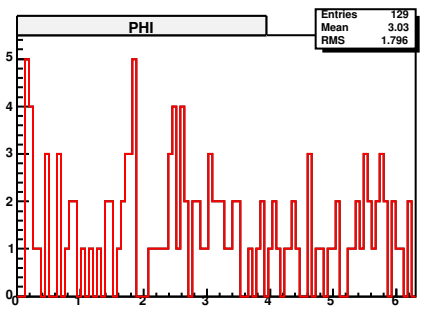


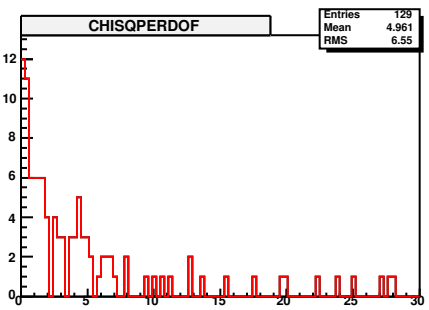
Muons (Matched)

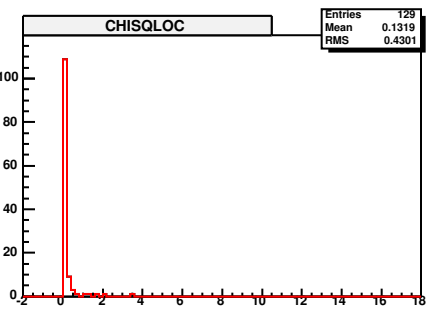

N
Entries 1547
Mean 0.08339
RMS 0.3075

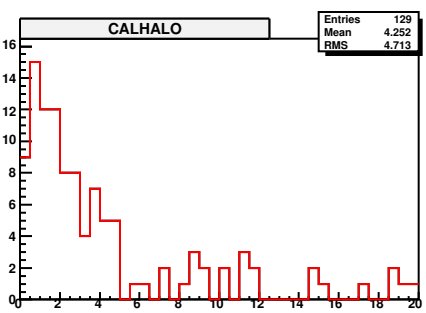

PT
Entries 129
Mean 3.809
RMS 4.237

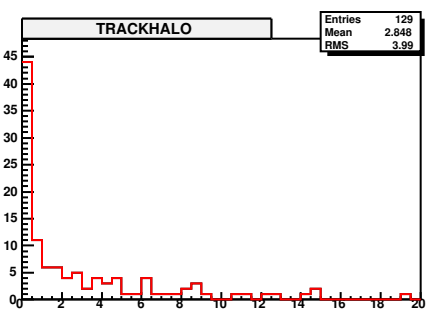

ETA
Entries 129
Mean -0.123
RMS 1.21

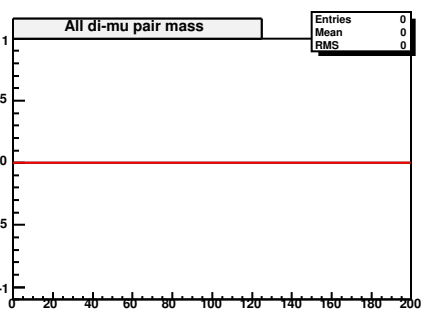

PHI
Entries 129
Mean 3.03
RMS 1.796

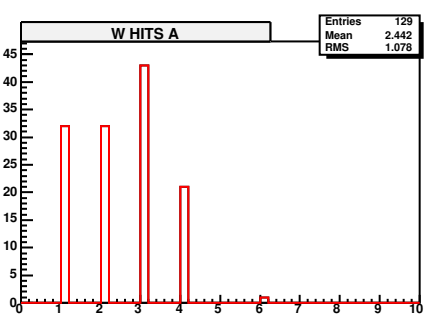

CHISQPERDOF
Entries 129
Mean 4.961
RMS 6.55

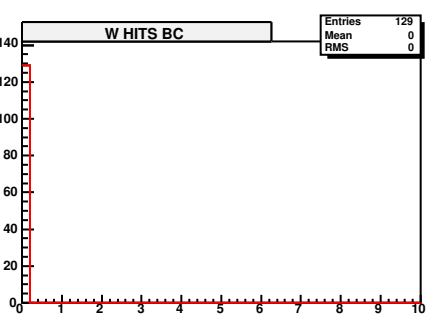

CHISQLOC
Entries 129
Mean 0.1319
RMS 0.4301

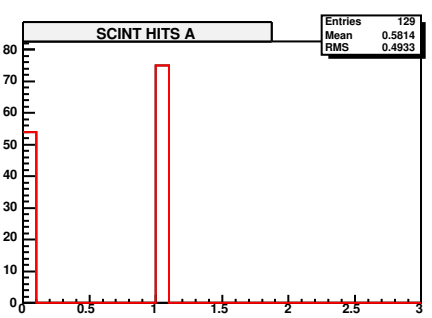

CALHALO
Entries 129
Mean 4.252
RMS 4.713

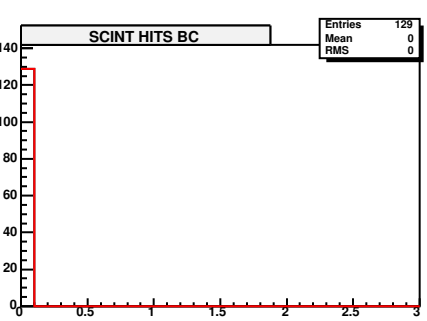

TRACKHALO
Entries 129
Mean 2.848
RMS 3.99


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

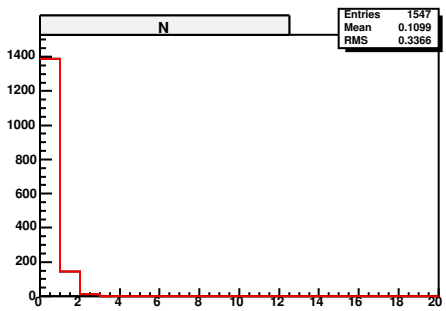

W HITS A
Entries 129
Mean 2.442
RMS 1.078

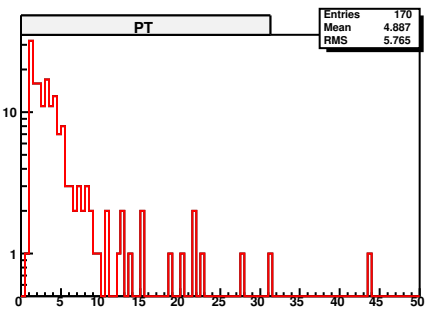

W HITS BC
Entries 129
Mean 0
RMS 0

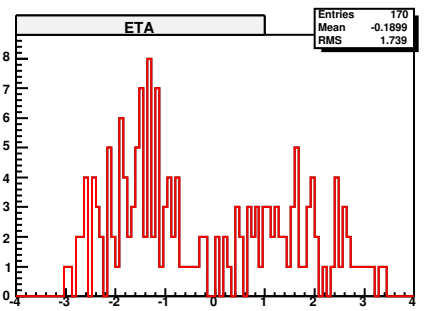

SCINT HITS A
Entries 129
Mean 0.5814
RMS 0.4933

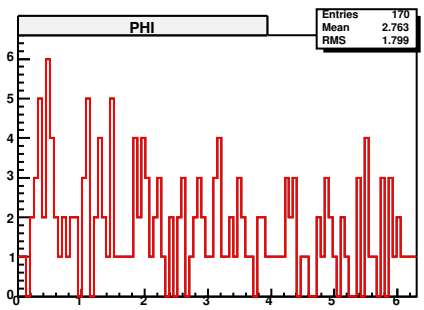

SCINT HITS BC
Entries 129
Mean 0
RMS 0

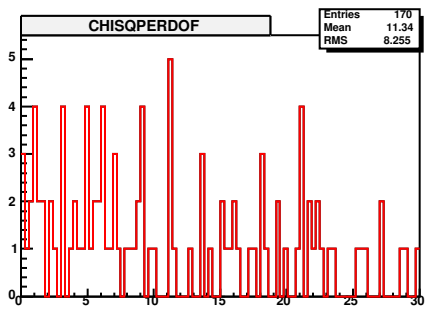
Muons (Astub)

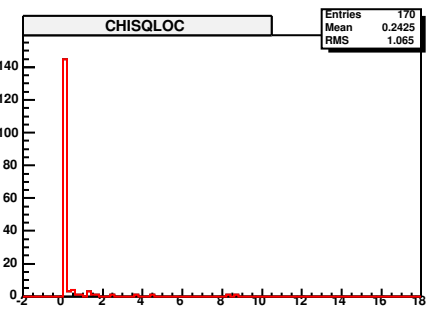


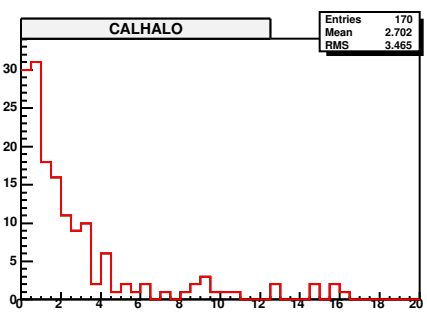


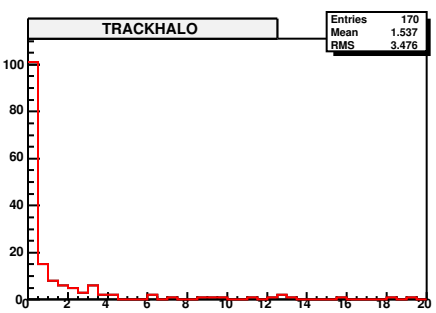


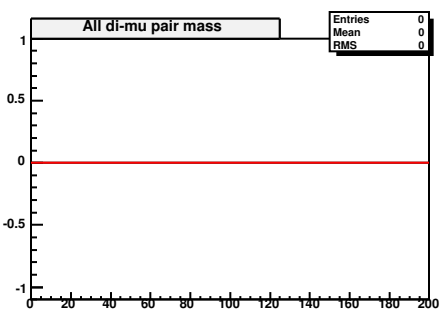


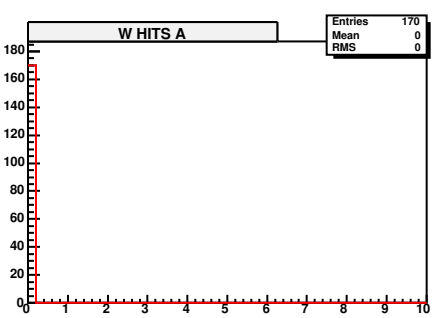


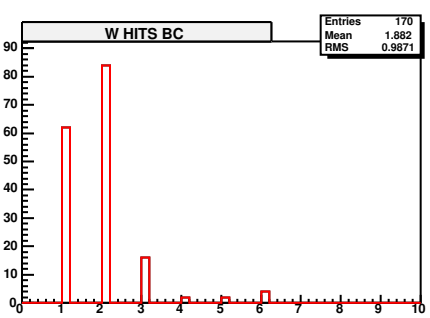


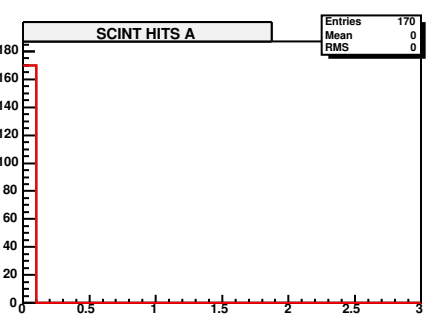


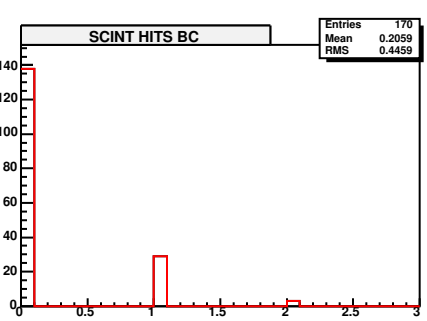




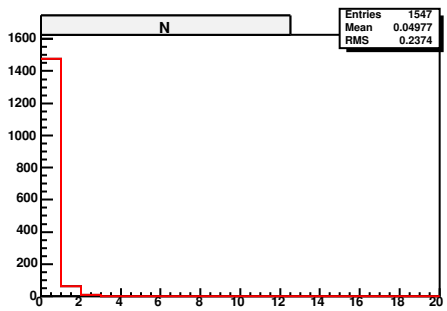


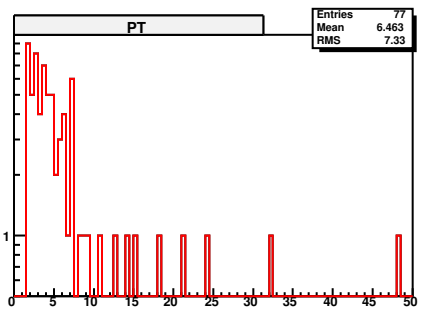


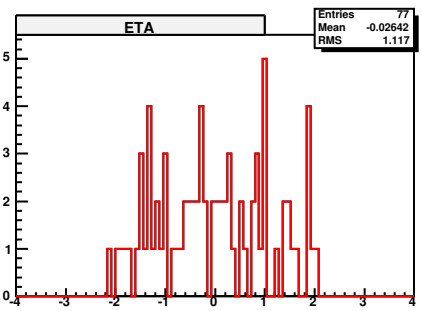


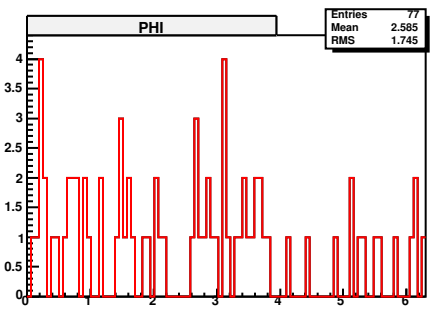


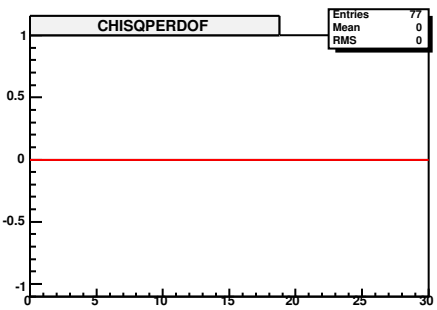
Muons (BCstub)

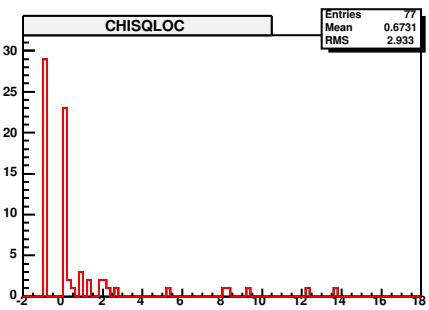


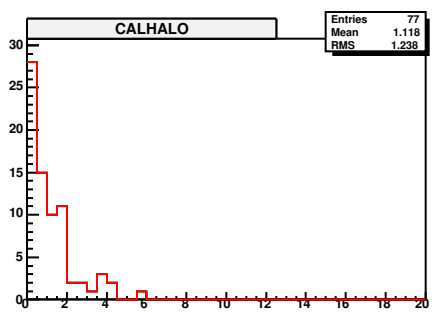


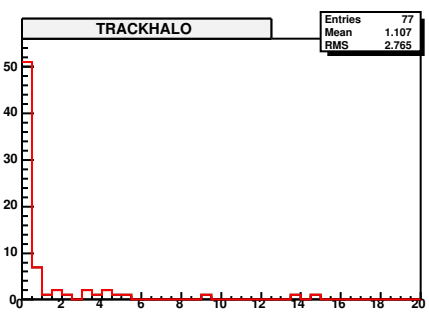


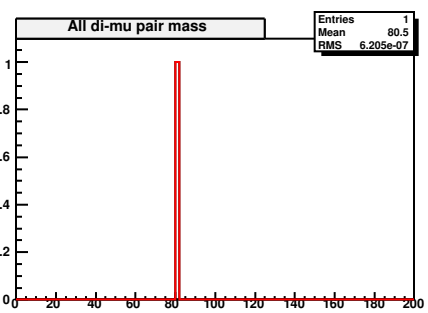


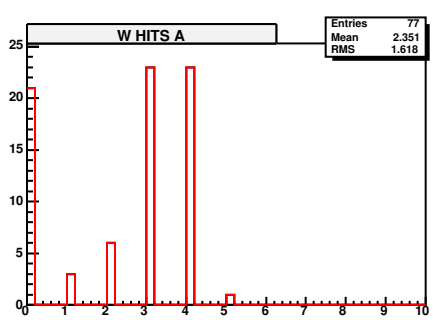


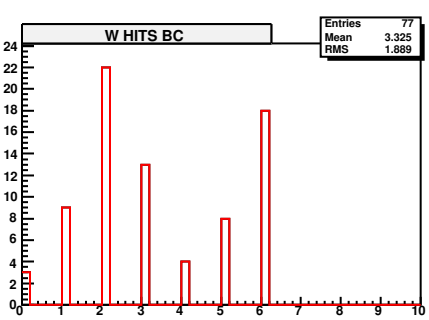


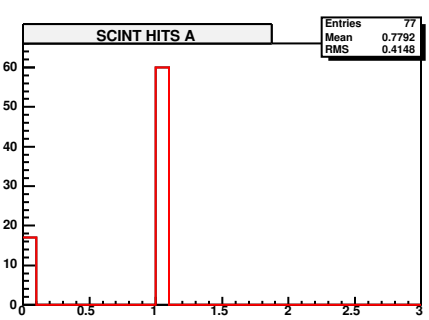


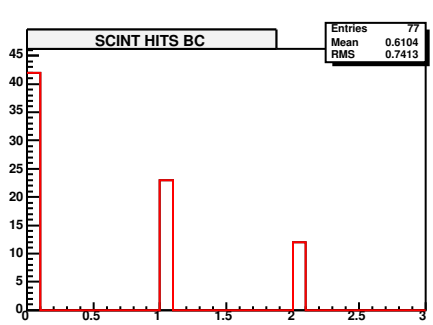




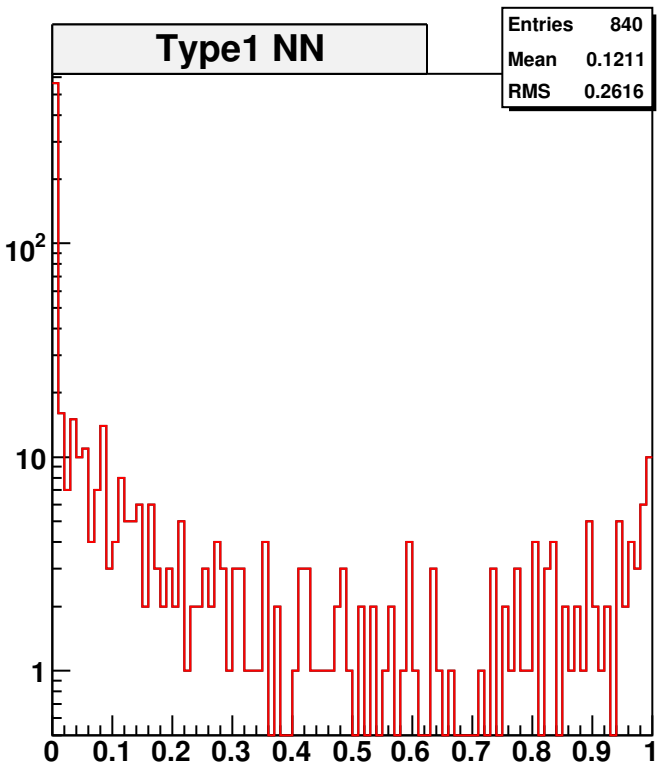


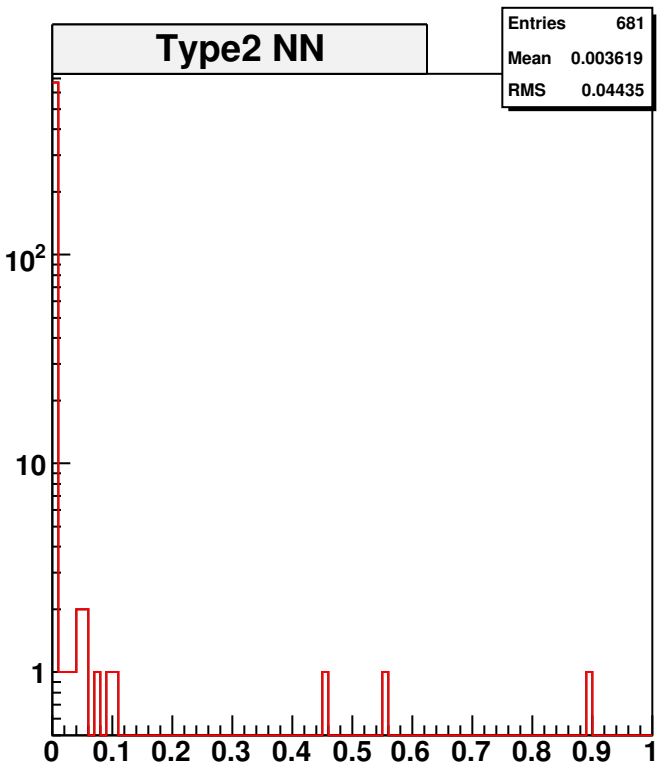


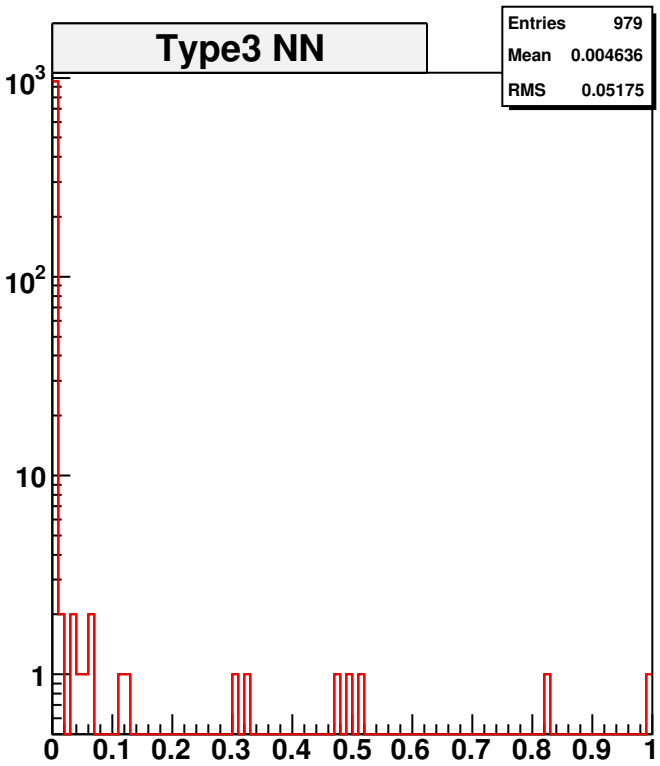


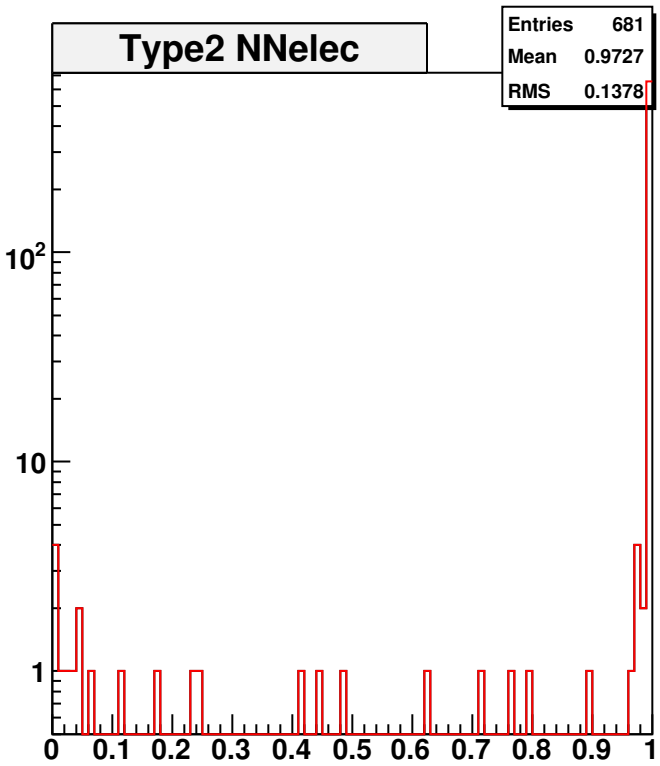


Muons (Unmatched)

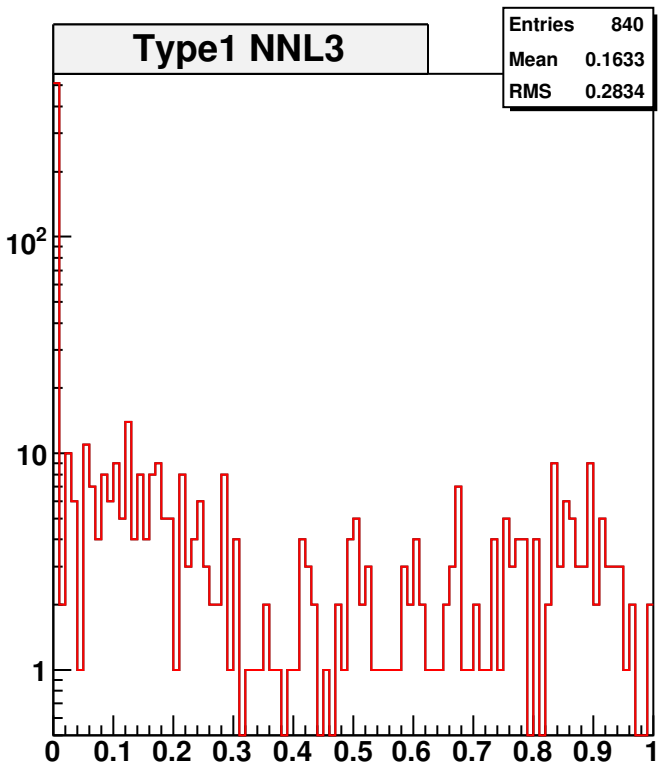


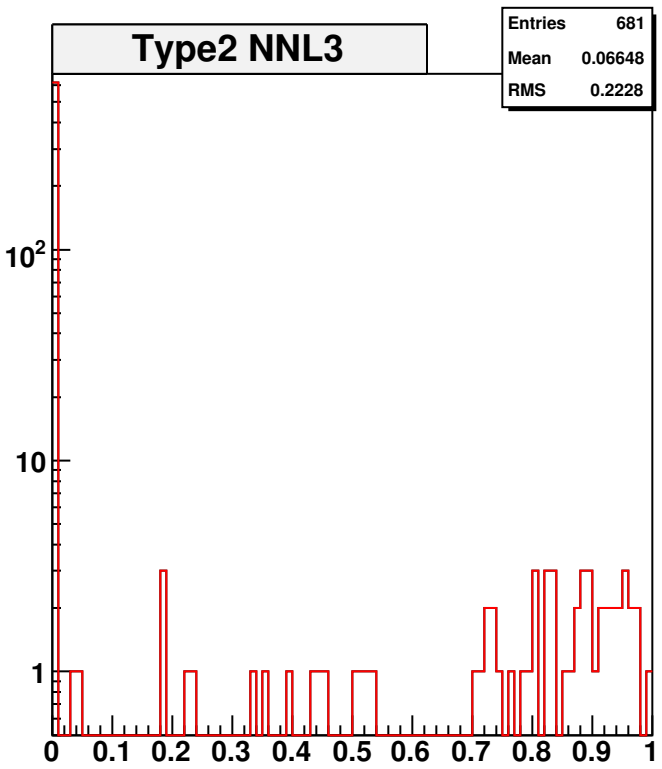


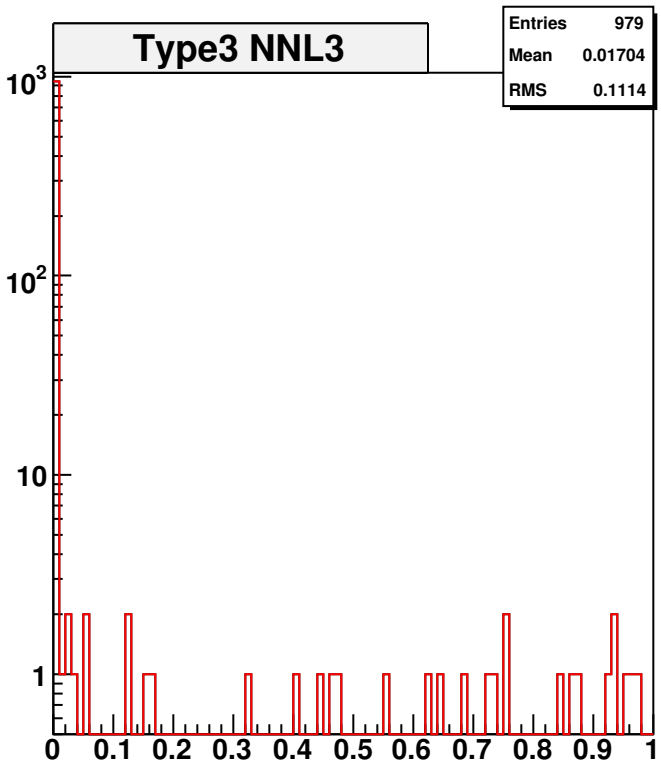


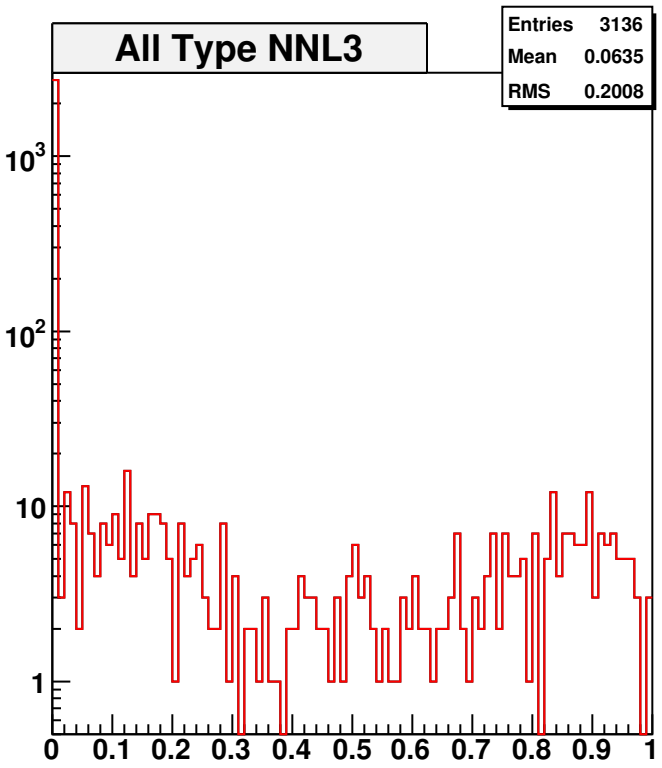


Taus NN (TAU All)

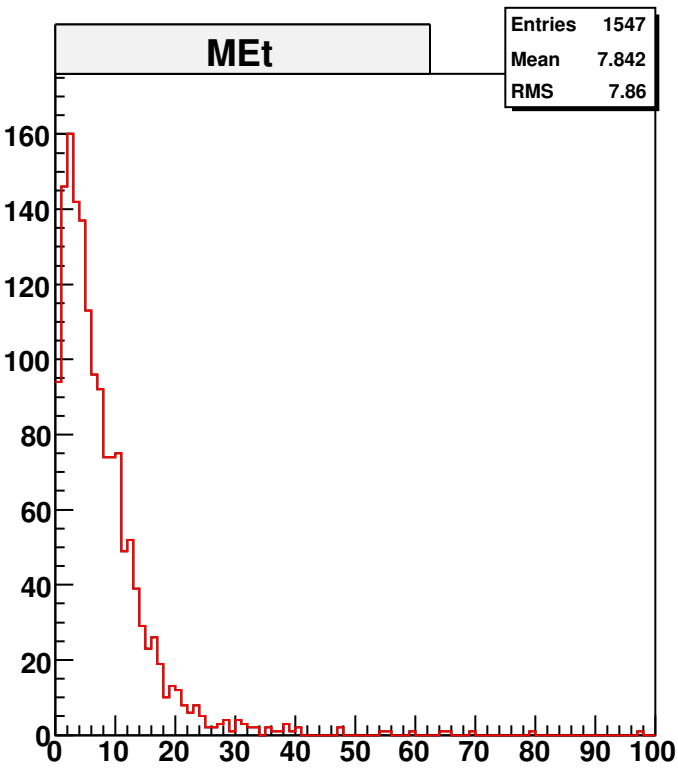


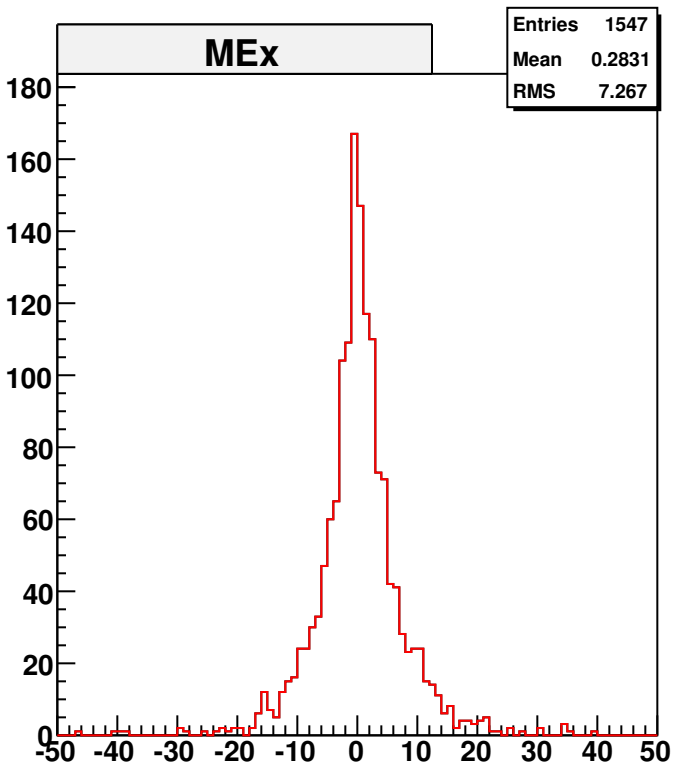






Taus NNL3 (TAU All)


MEt
Entries 1547
Mean 7.842
RMS 7.86
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100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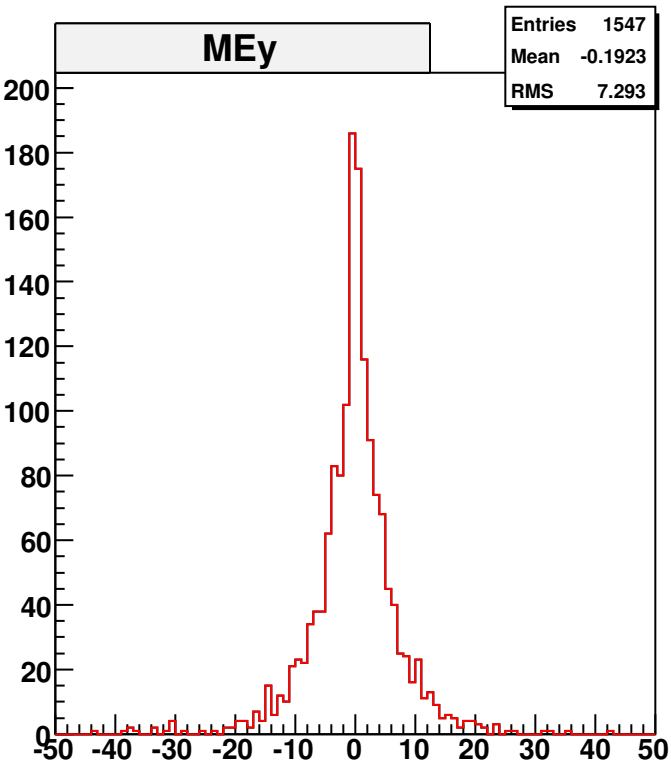
MEy
Entries 1547
Mean -0.1923
RMS 7.293
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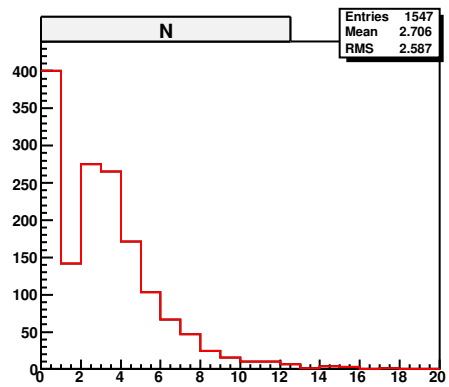
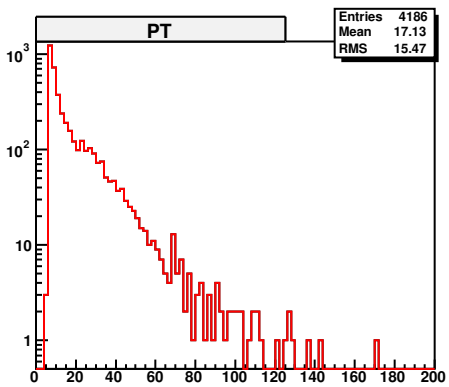
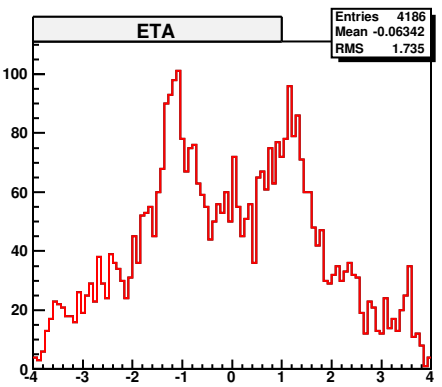
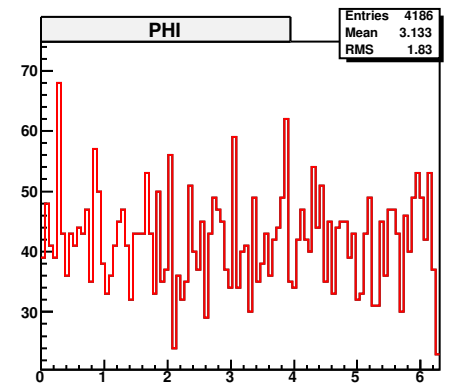
-50 -40 -30 -20 -10 0 10 20 30 40 50

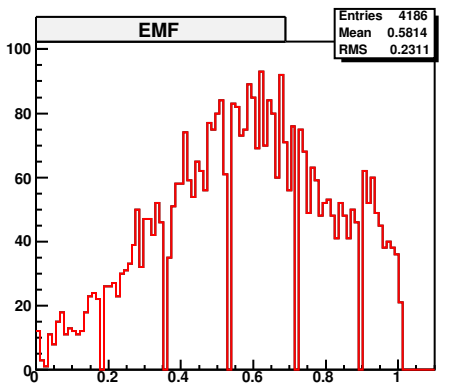
Met (No cuts)

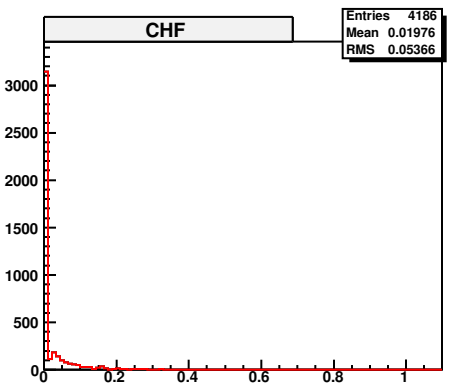


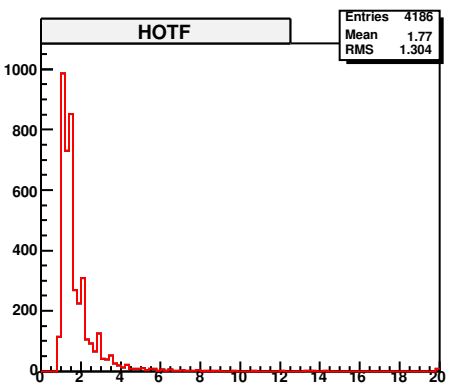


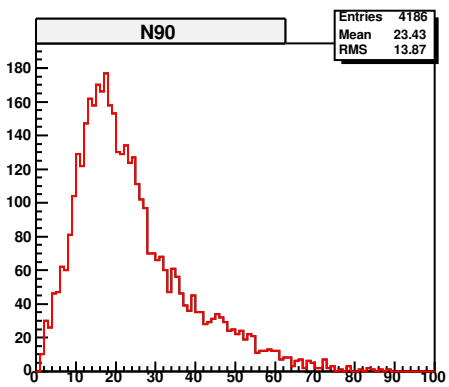


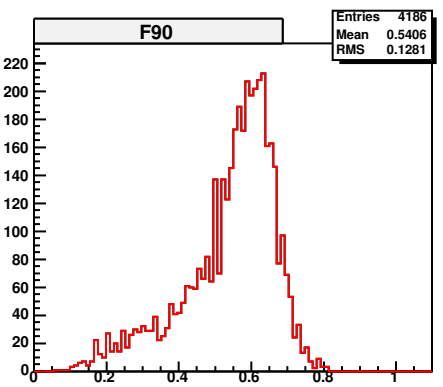


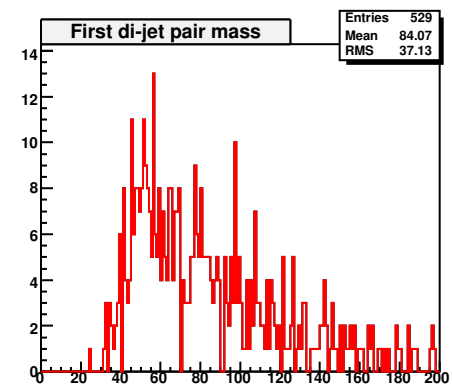


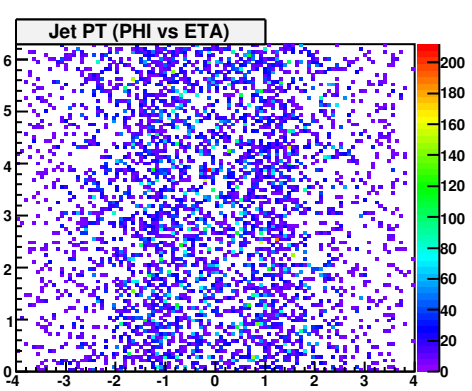




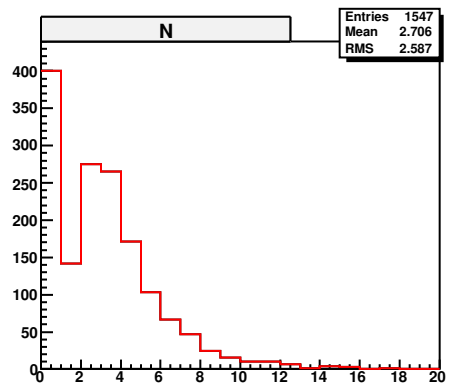


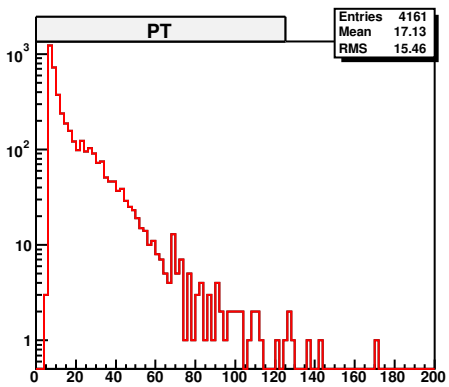


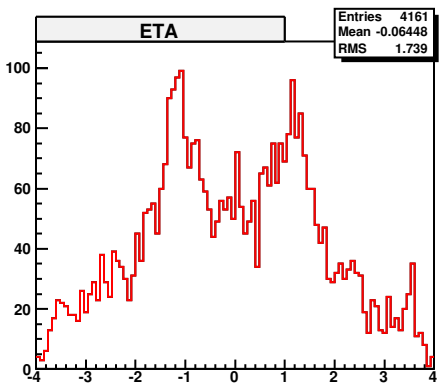


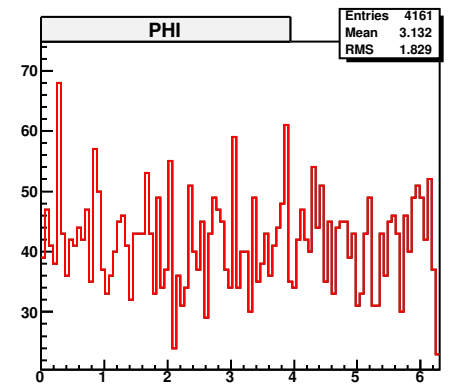


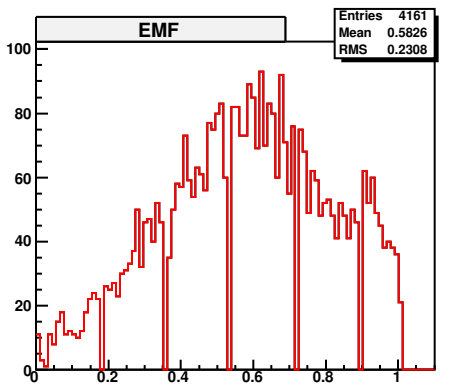
Jets (Cone R 0.7 (no cuts))

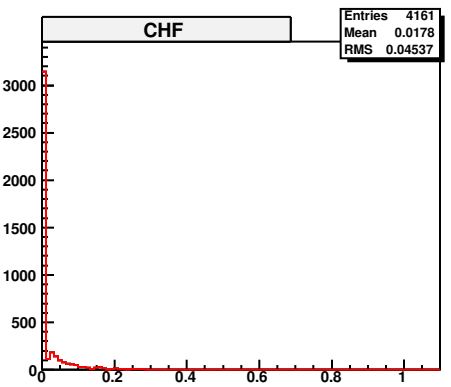


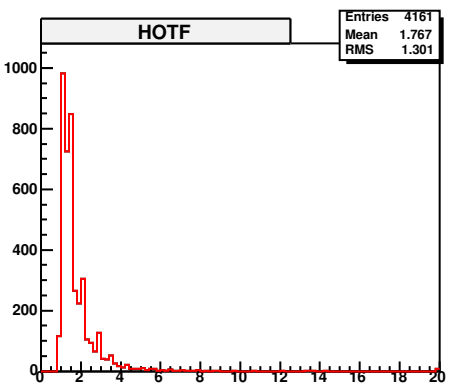


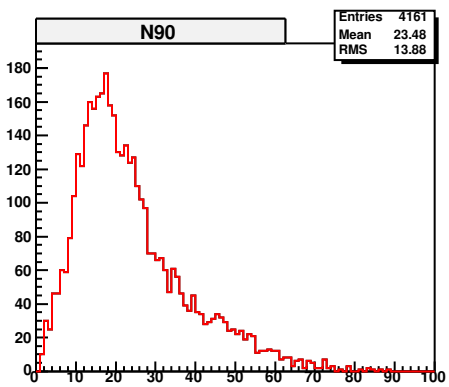


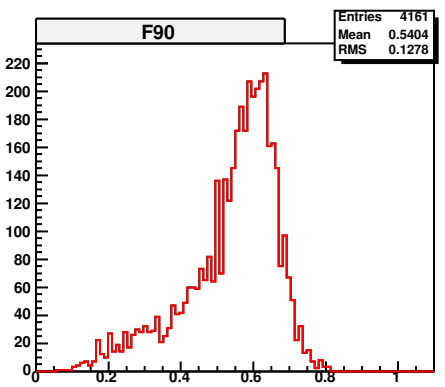


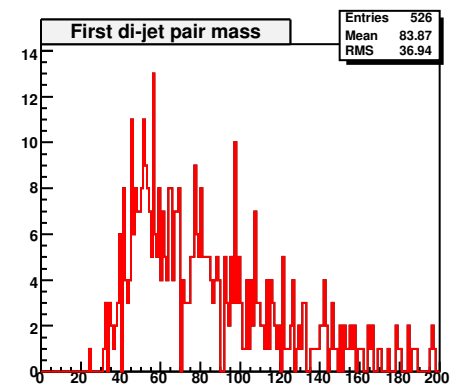


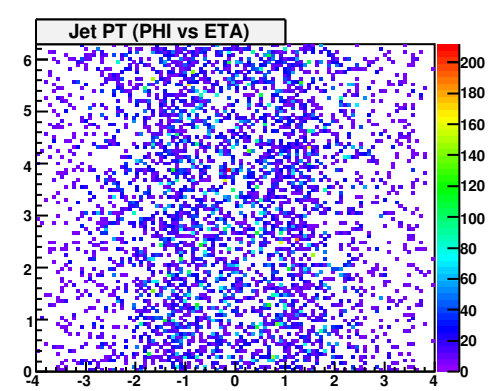




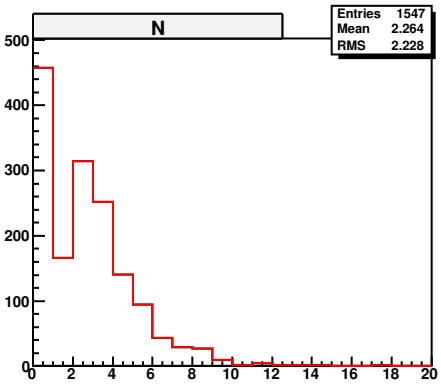


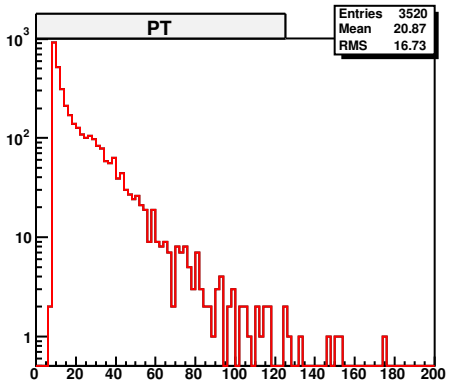


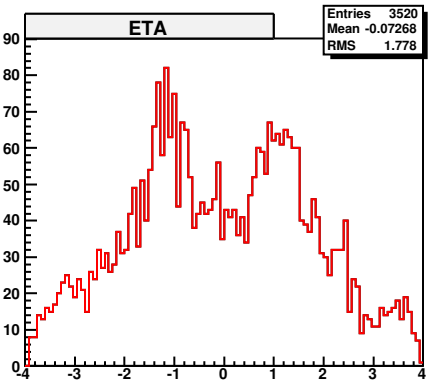


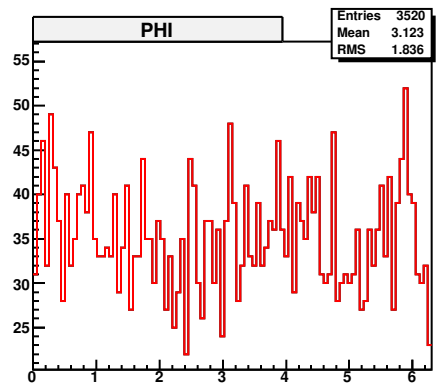


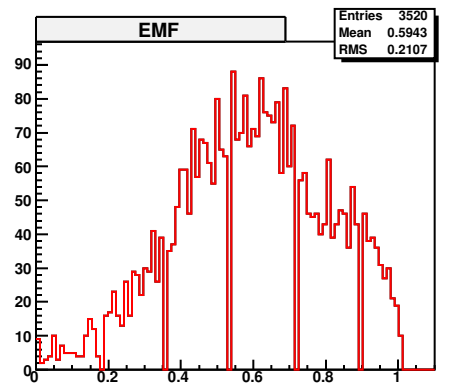
Jets (Cone R 0.7 (standard cuts))

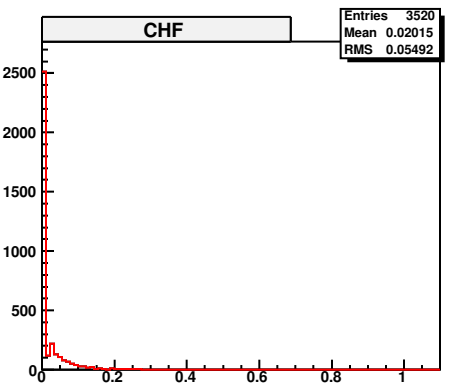


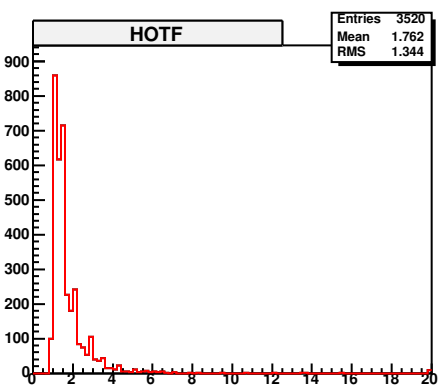


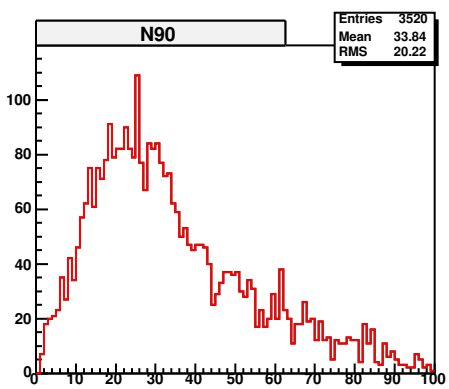


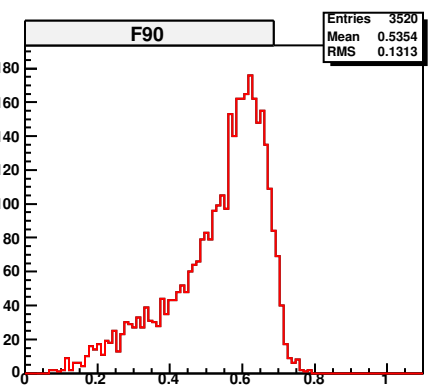


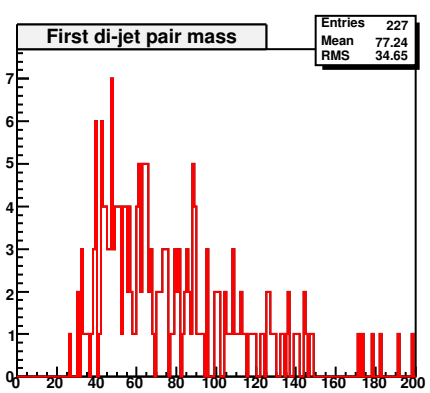


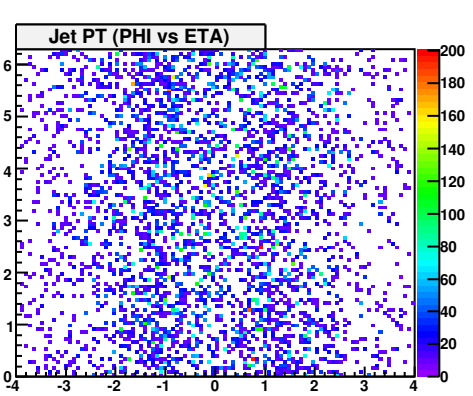




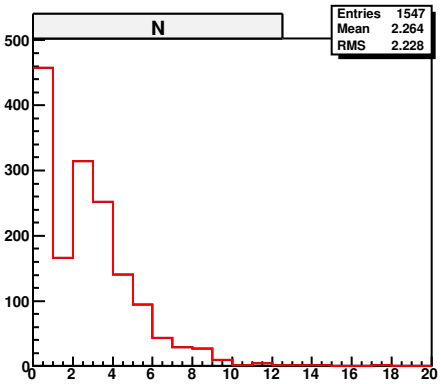


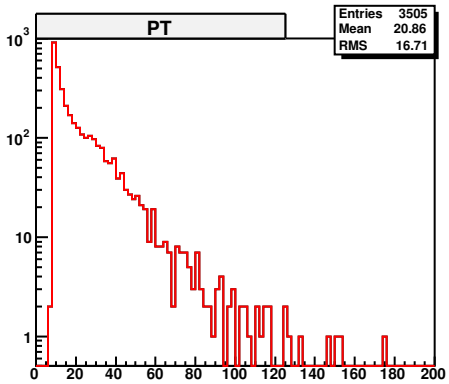


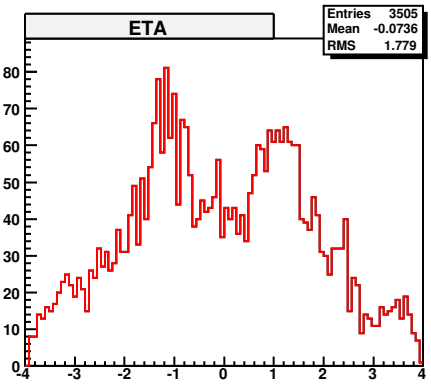


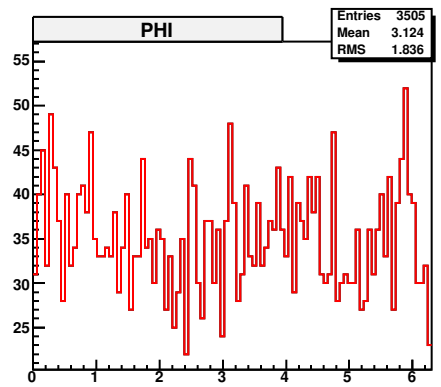


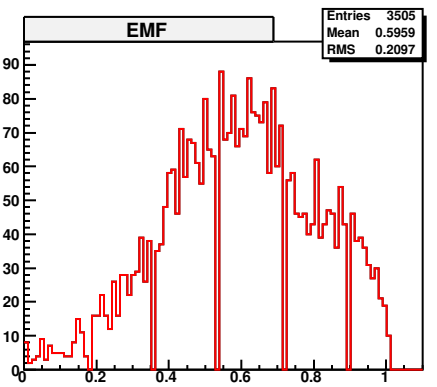
Jets (KT D 1 (no cuts))

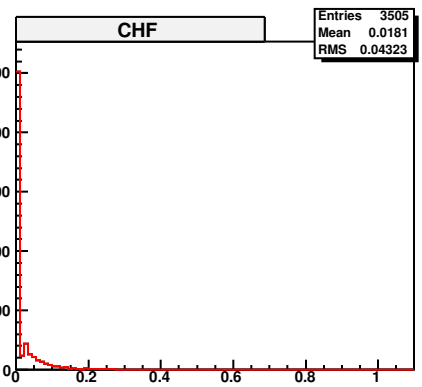


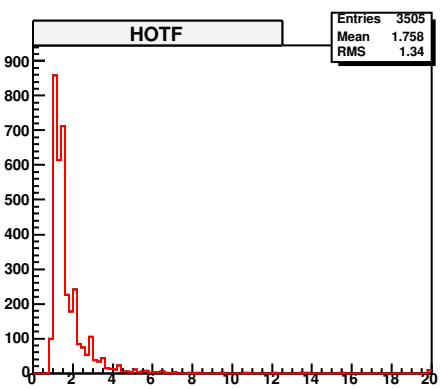


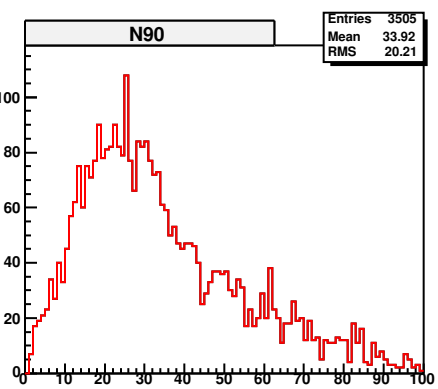


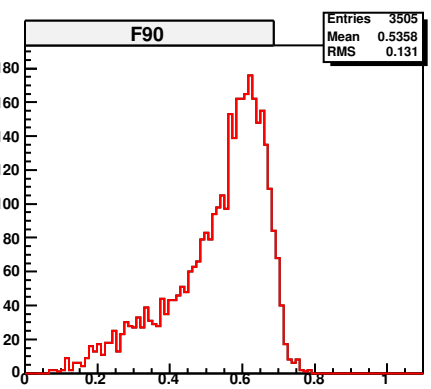


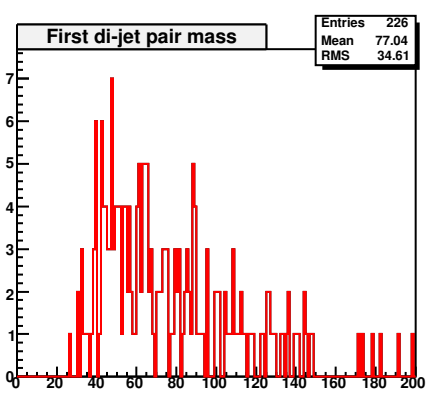


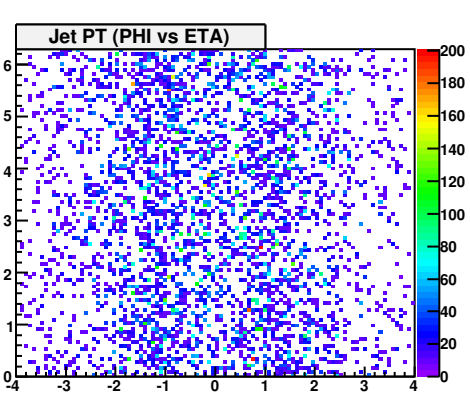




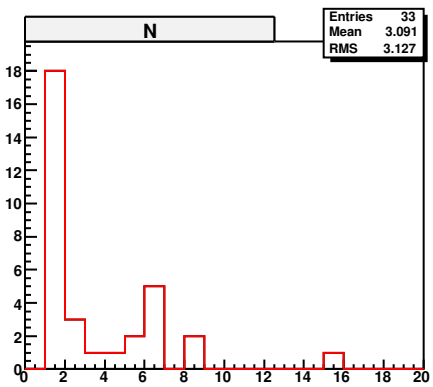


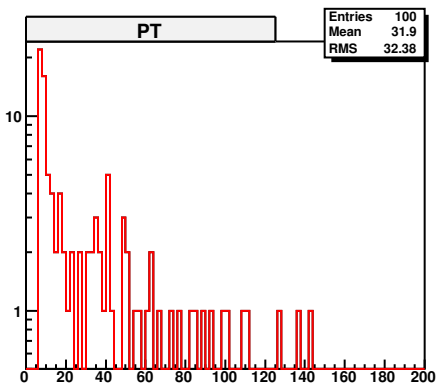


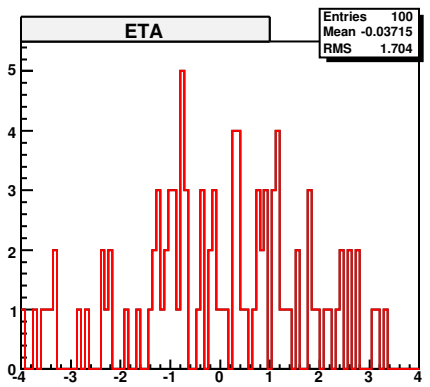


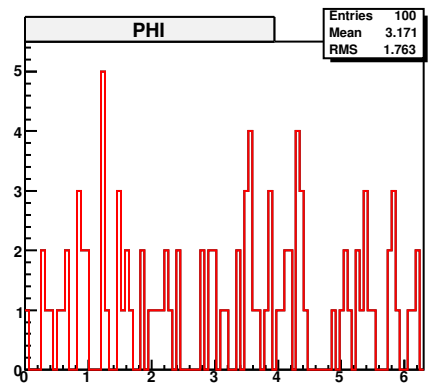


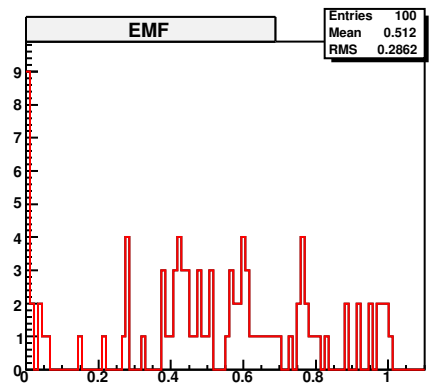
Jets (KT D 1 (standard cuts))

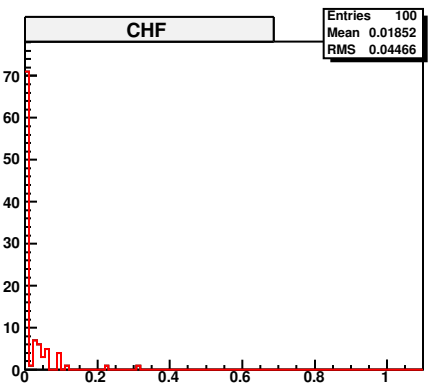


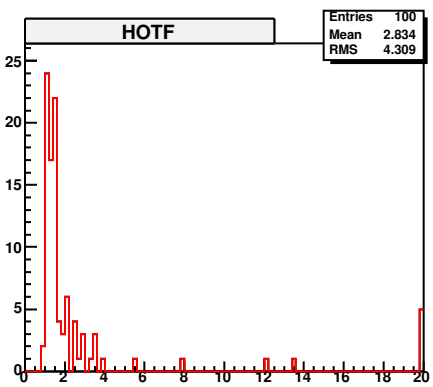


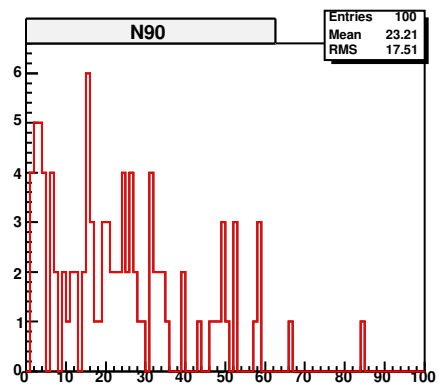


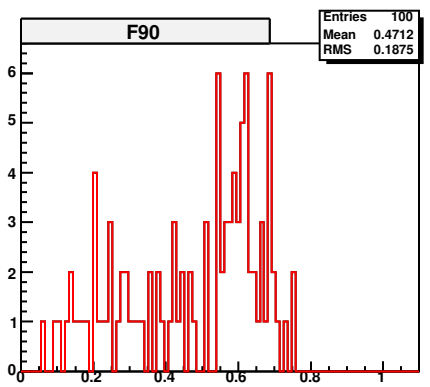


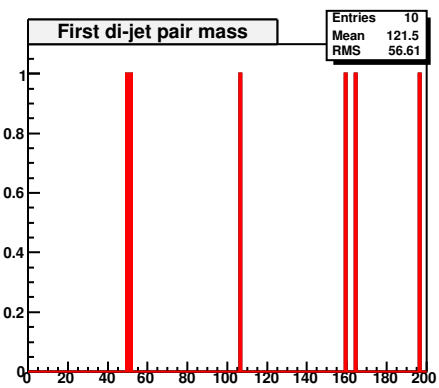


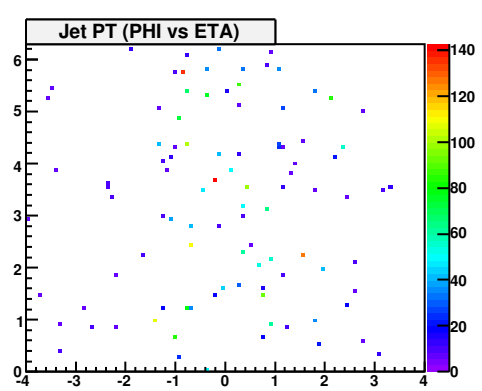




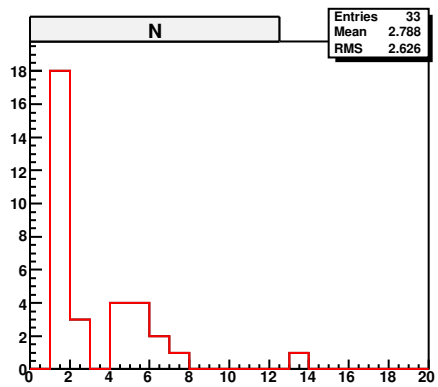


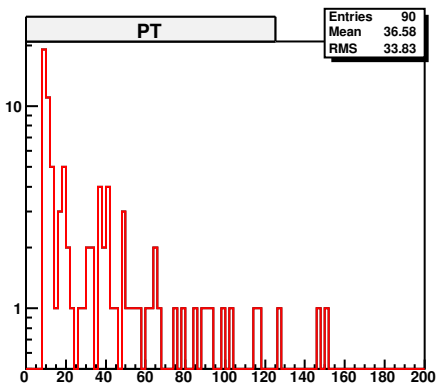


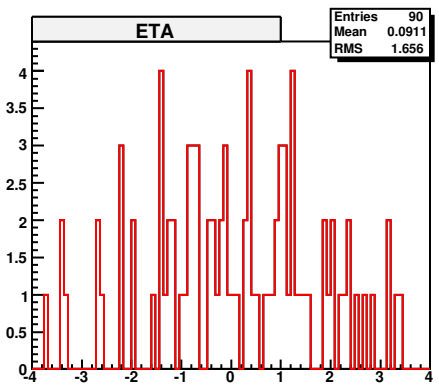


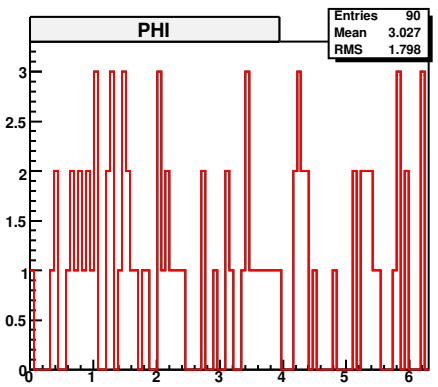


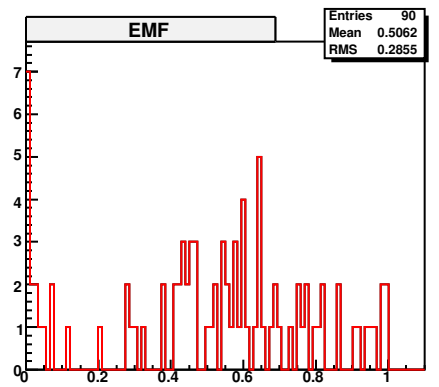
Jets (Cone R 0.7 (standard cuts, MET>30))

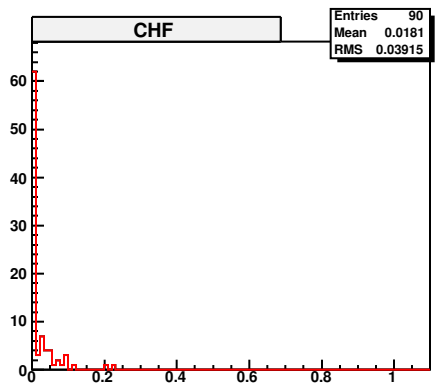


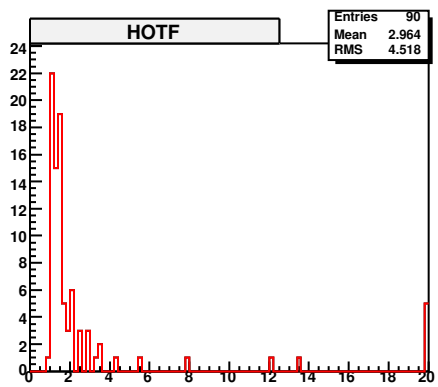


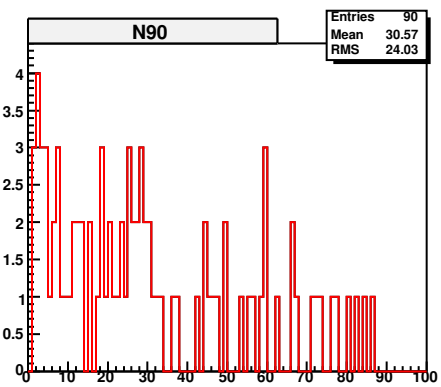


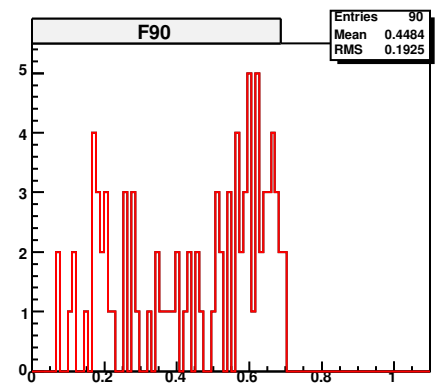


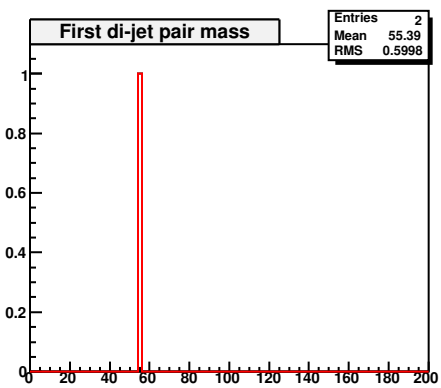


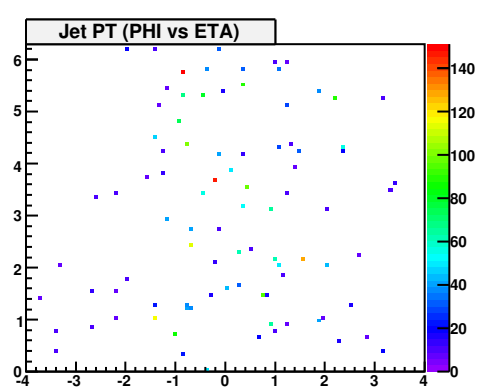




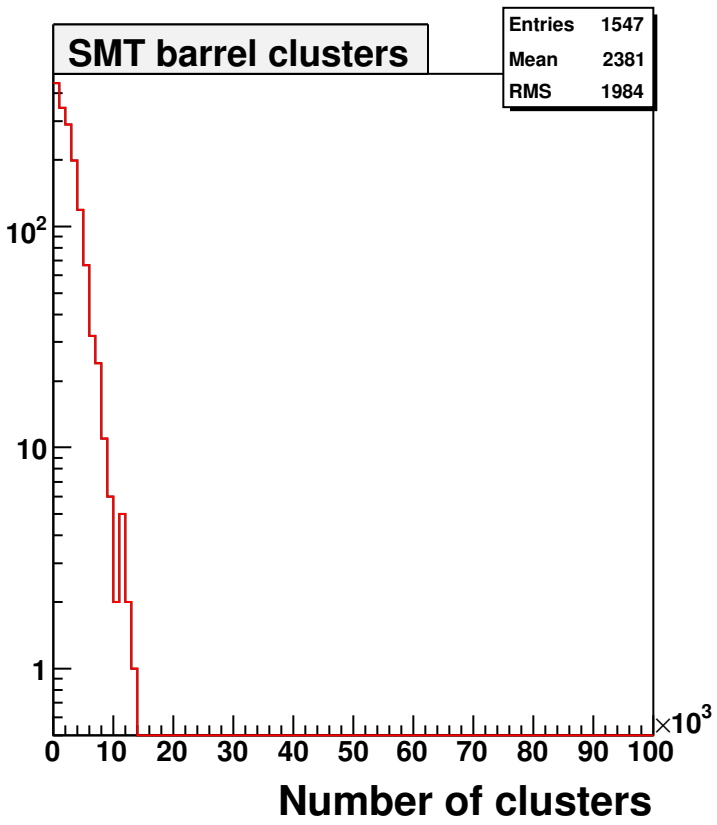


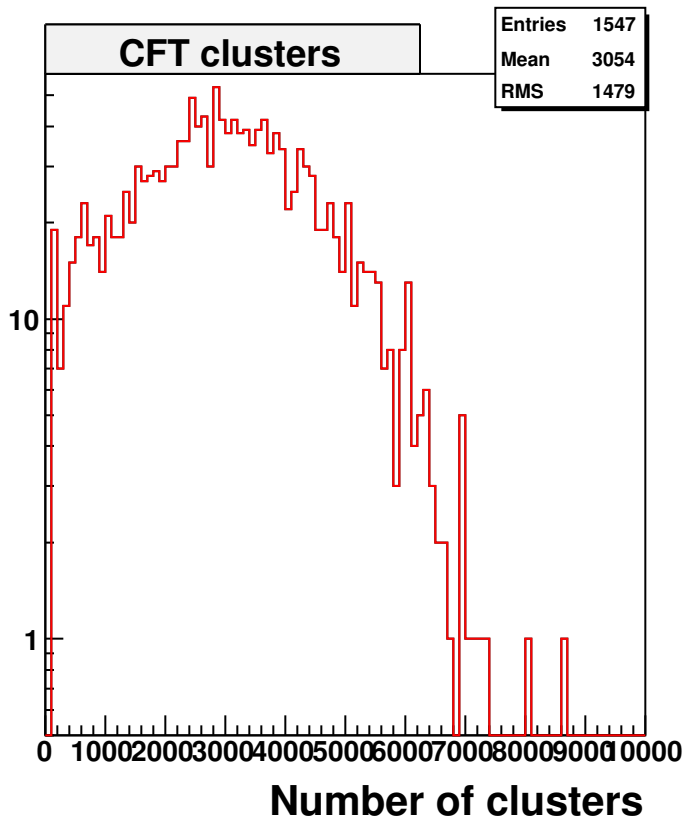


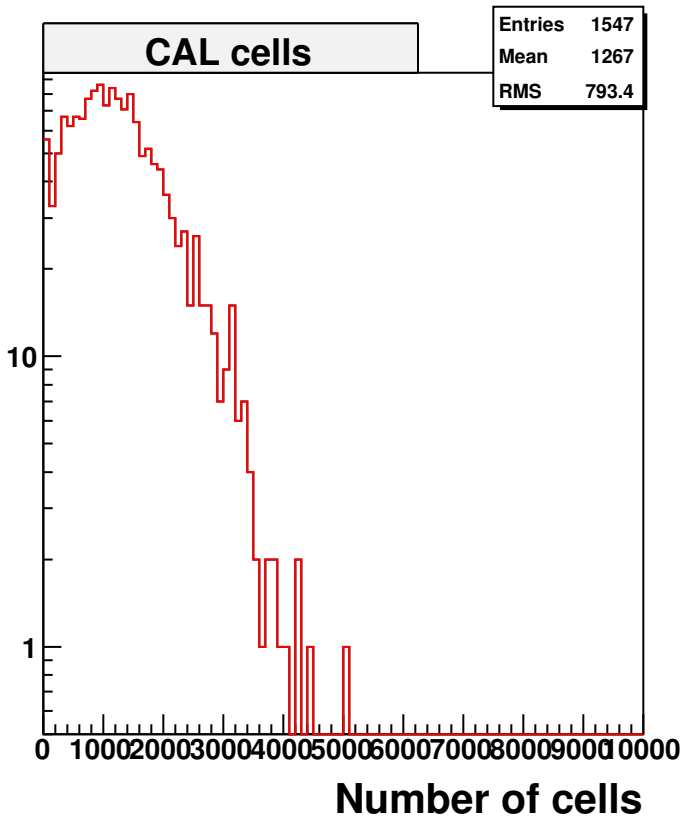


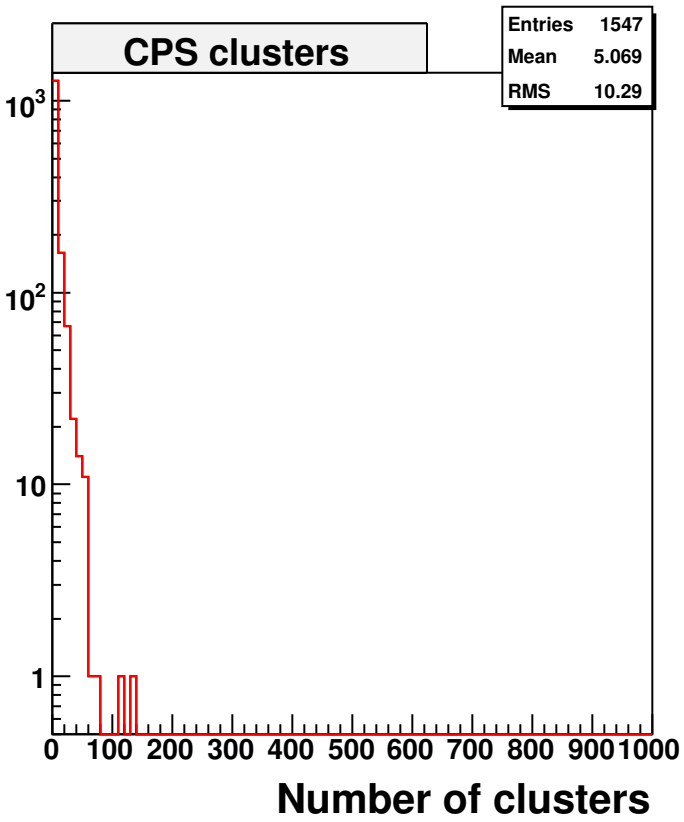


Jets (KT D 1 (standard cuts, MET>30))

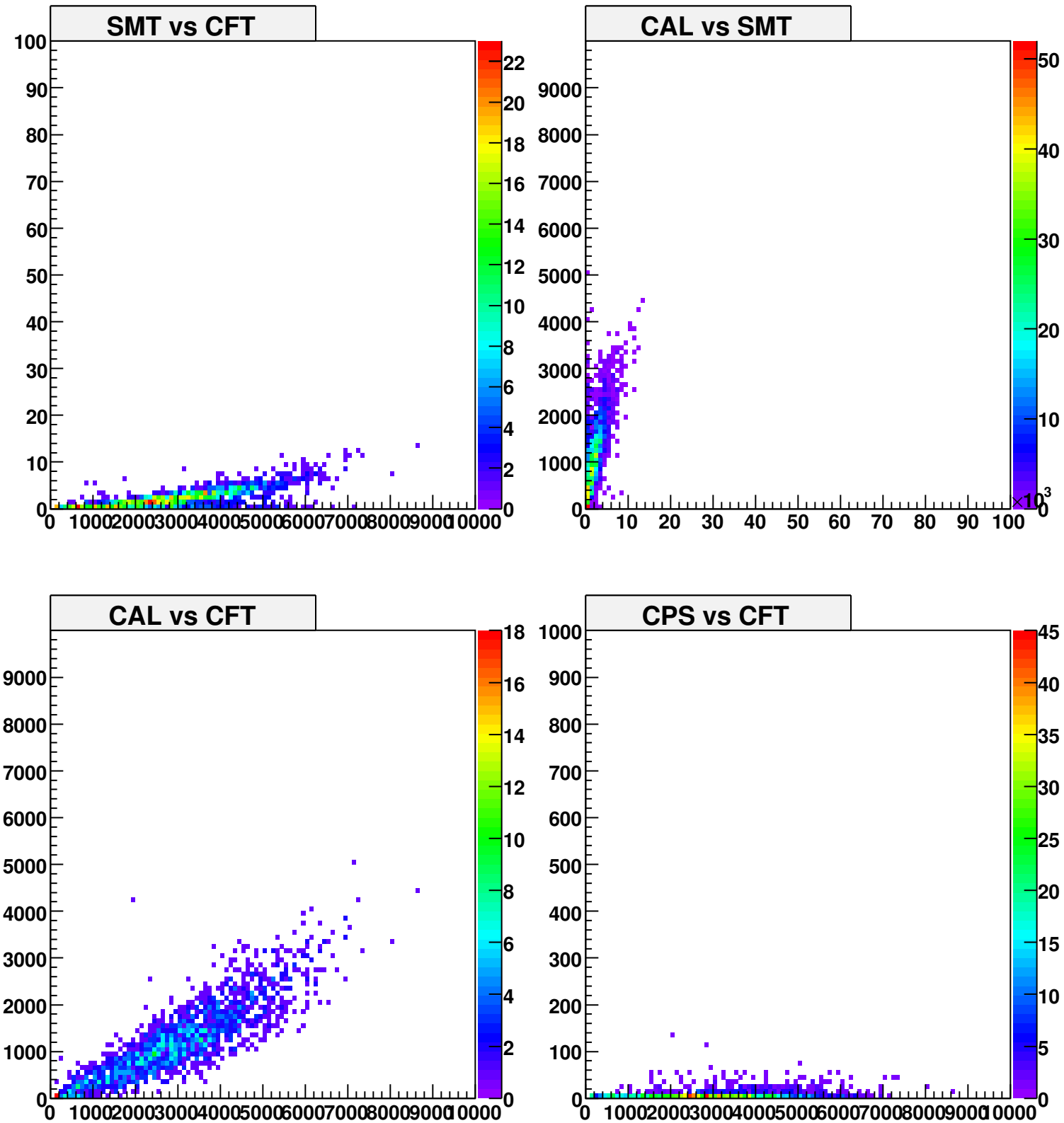


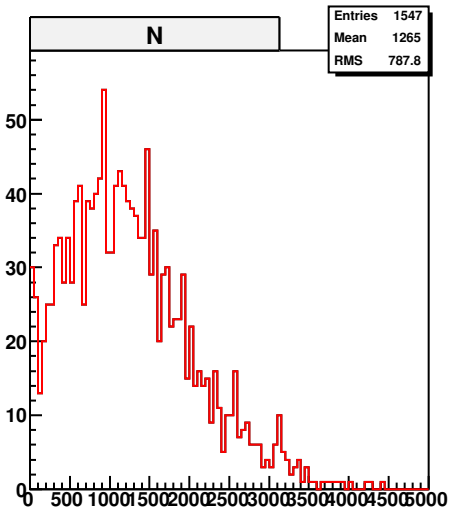


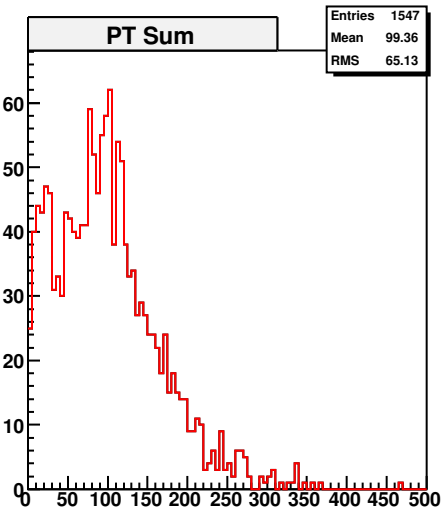


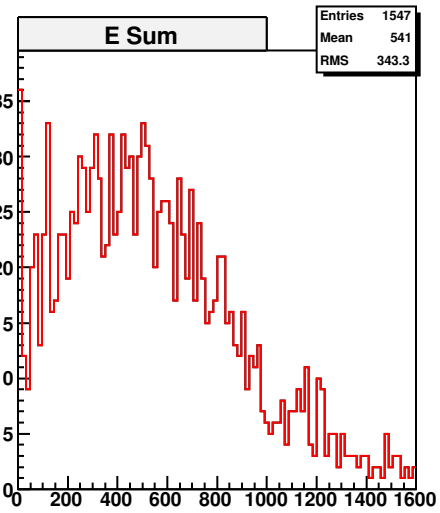


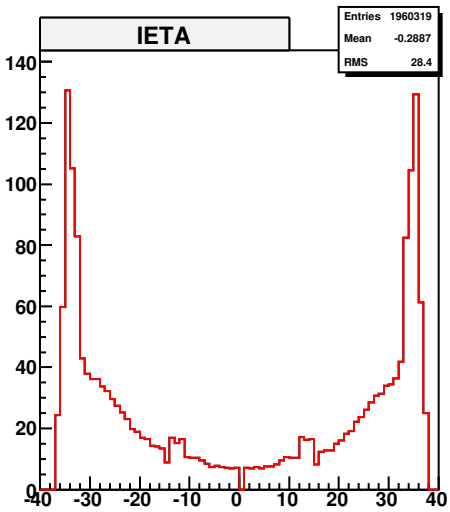
Detector Occupancy (Detector)

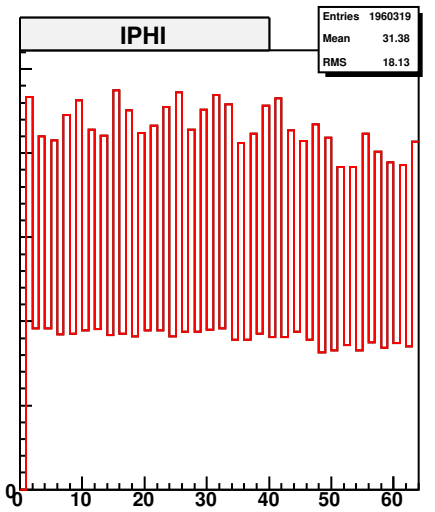

SMT vs CFT
CAL vs SMT
CAL vs CFT
CPS vs CFT
Detector Occupancy (Detector)

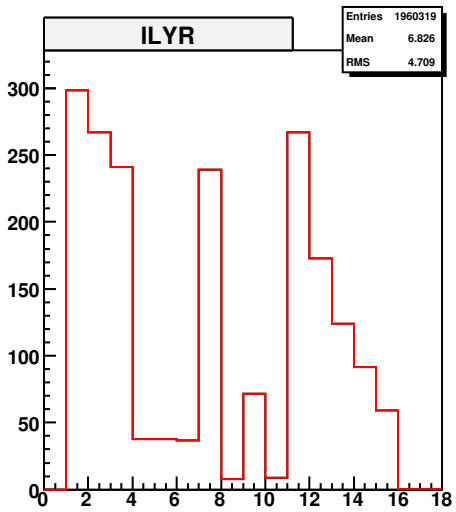


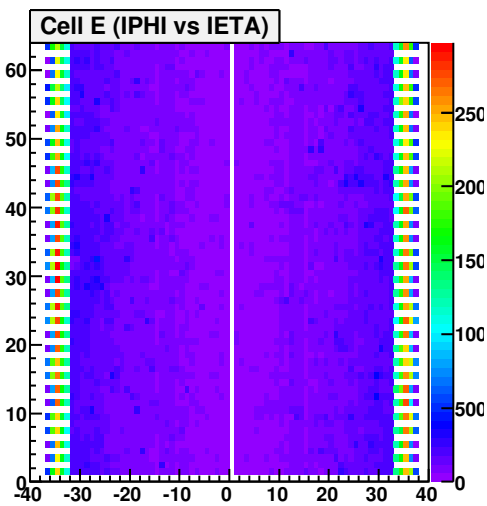


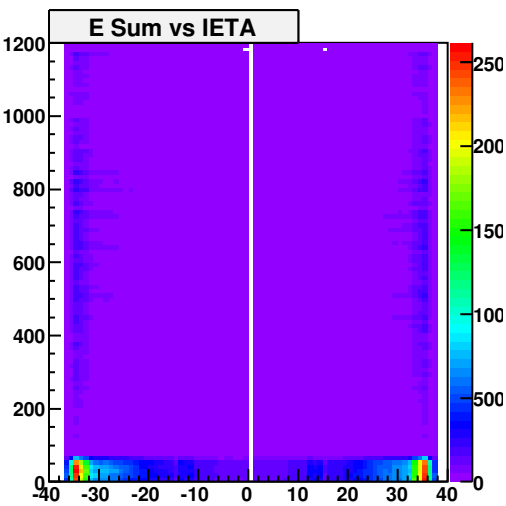


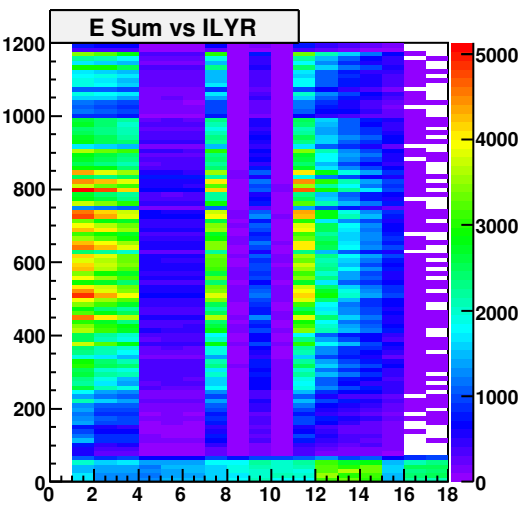




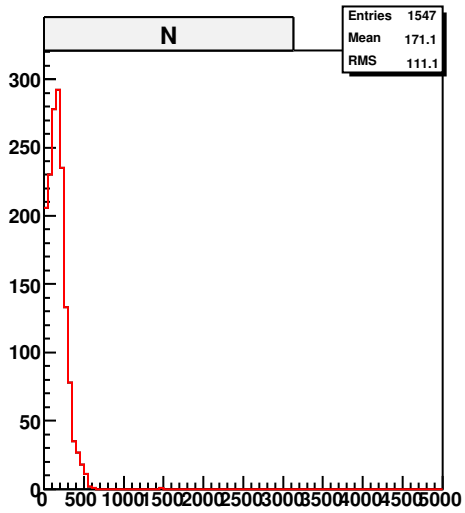


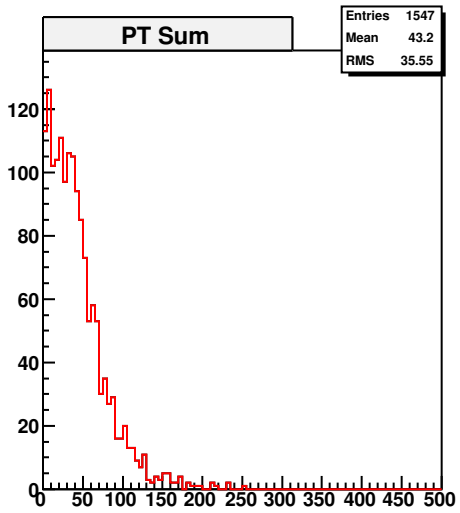


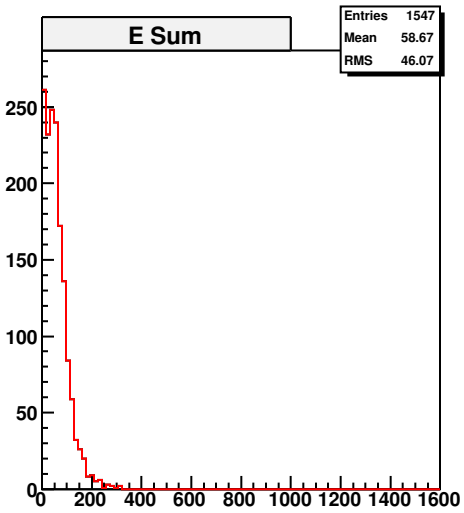


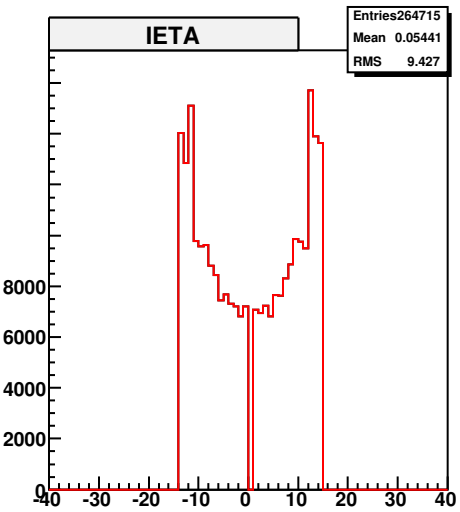


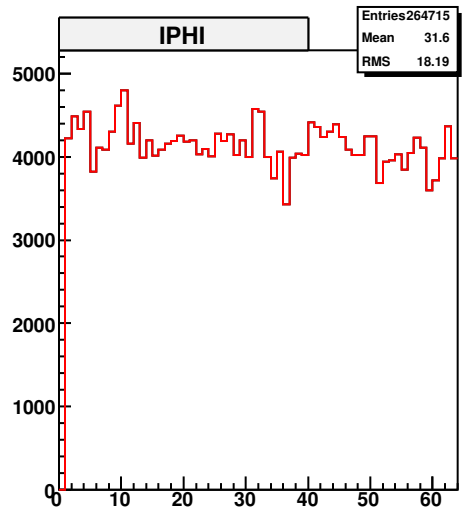
Calorimeter (All cells)

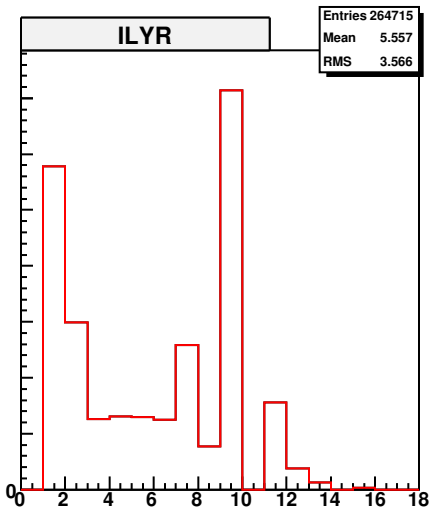


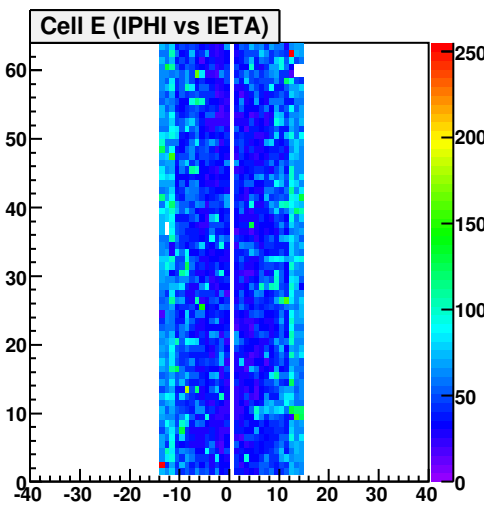


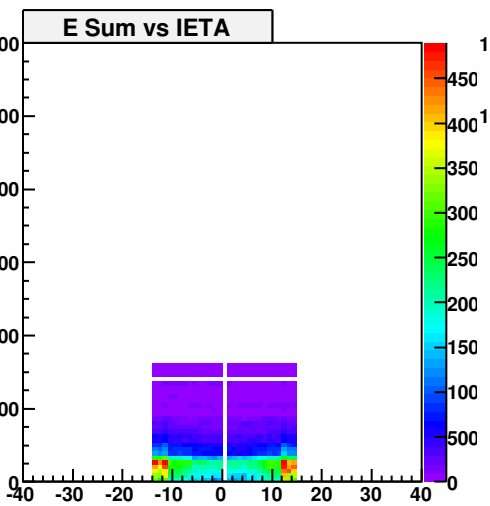


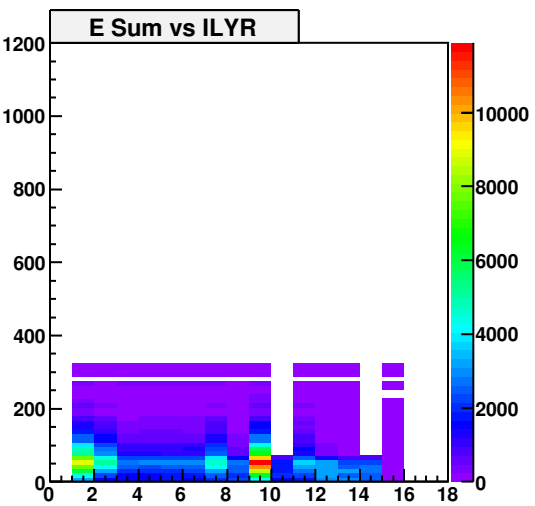




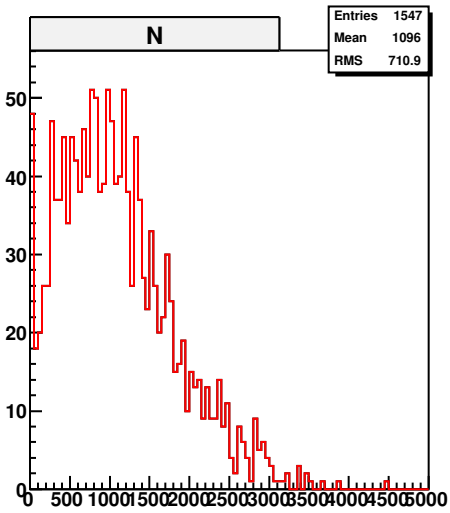


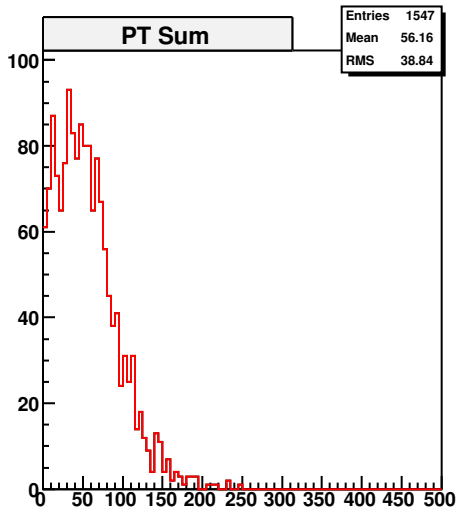


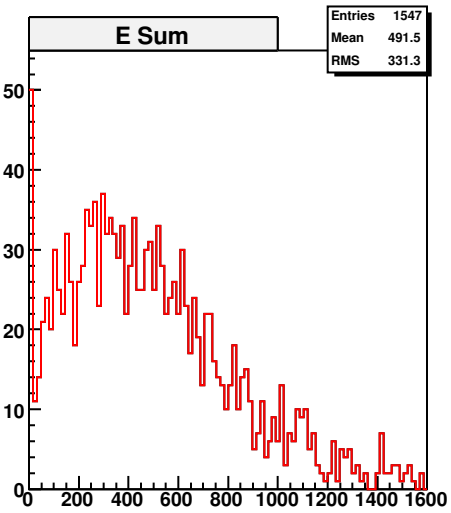


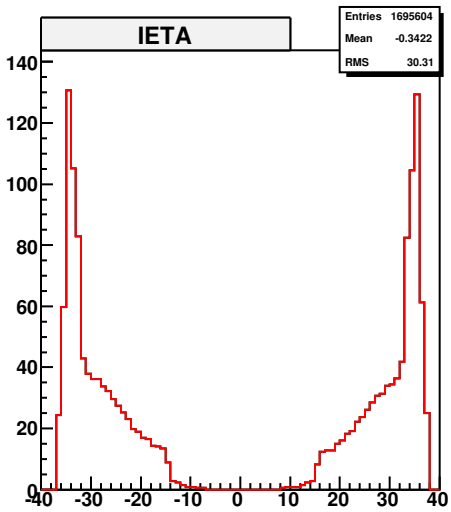


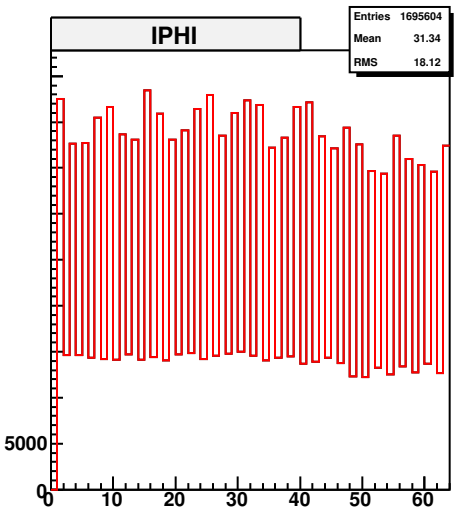
Calorimeter (All CC cells)

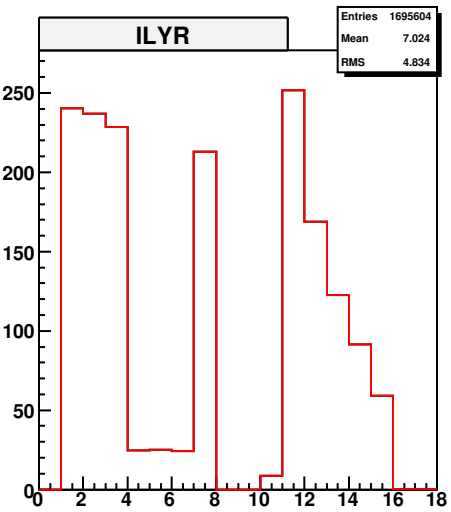


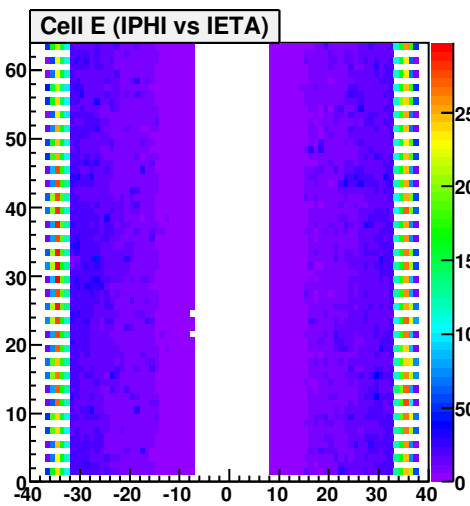


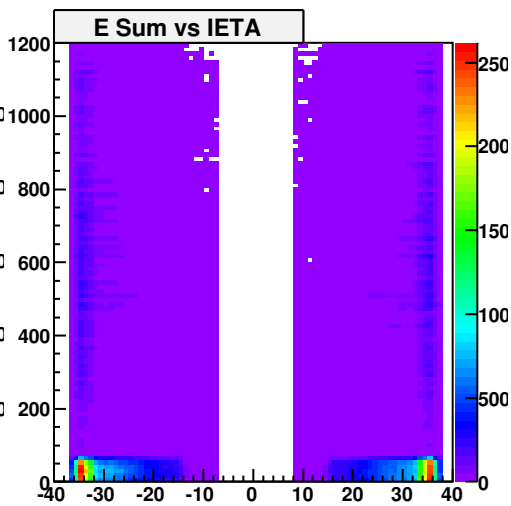


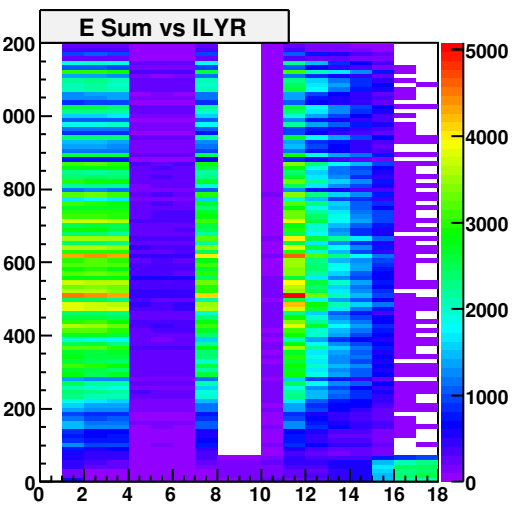




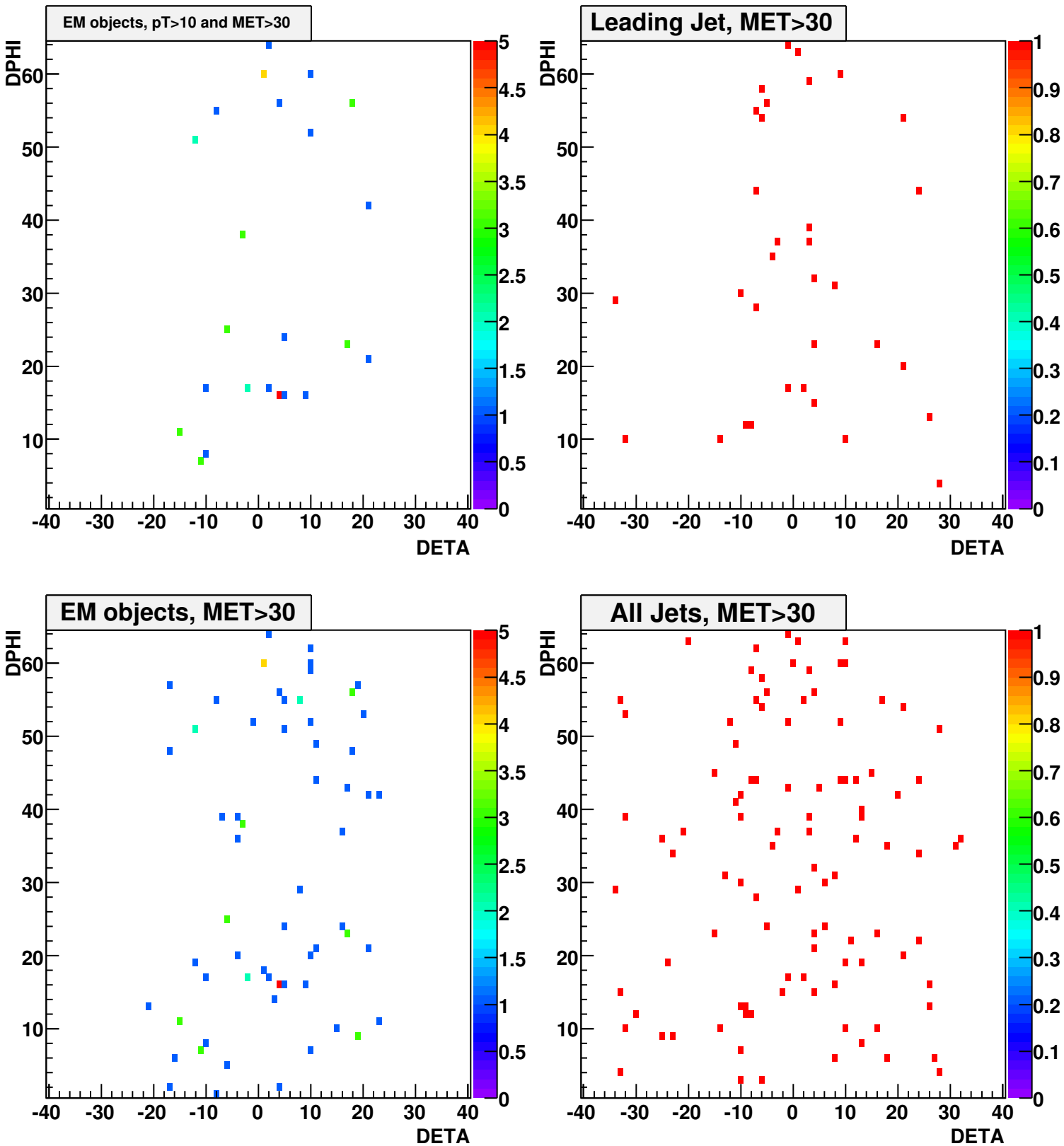




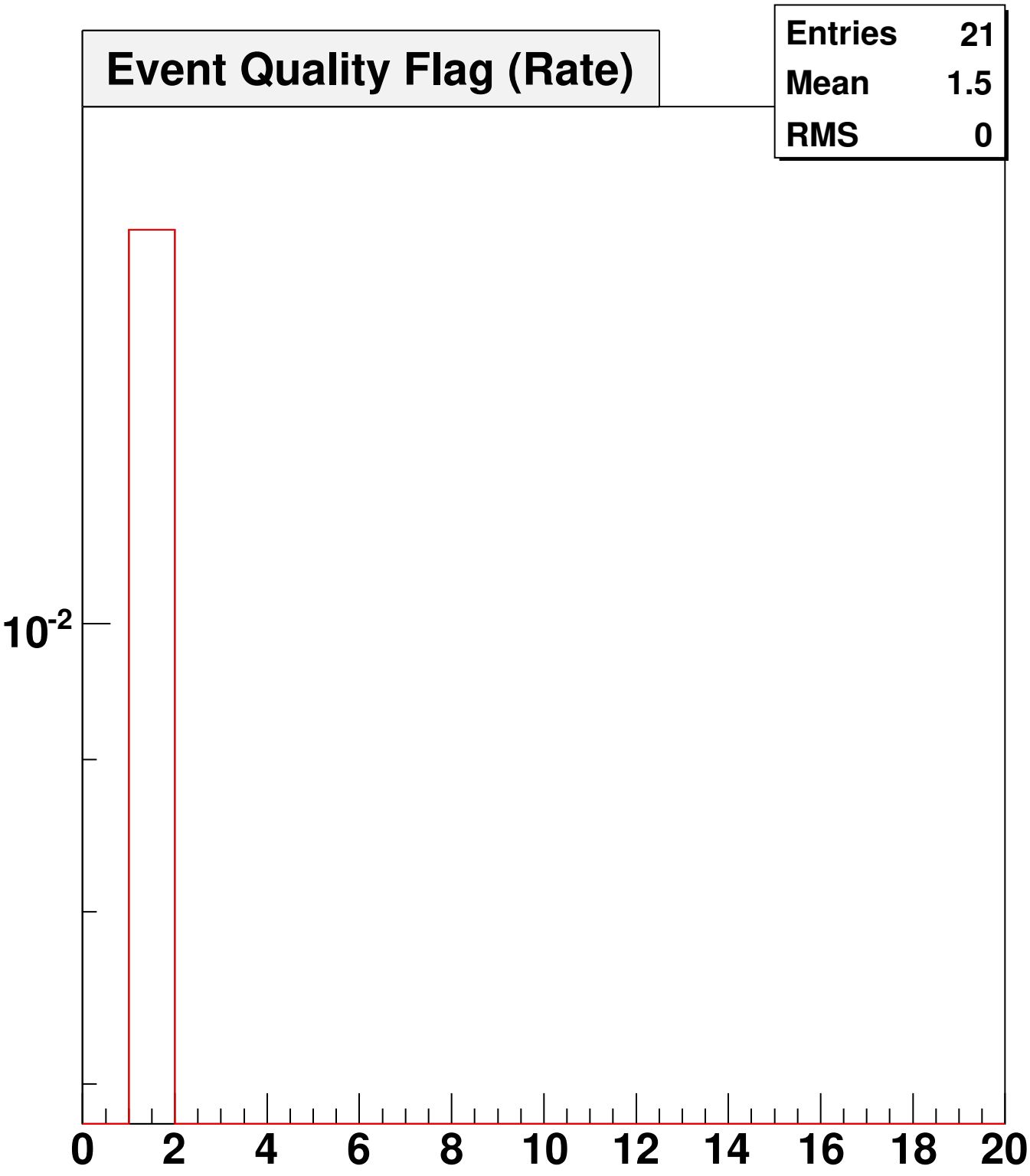


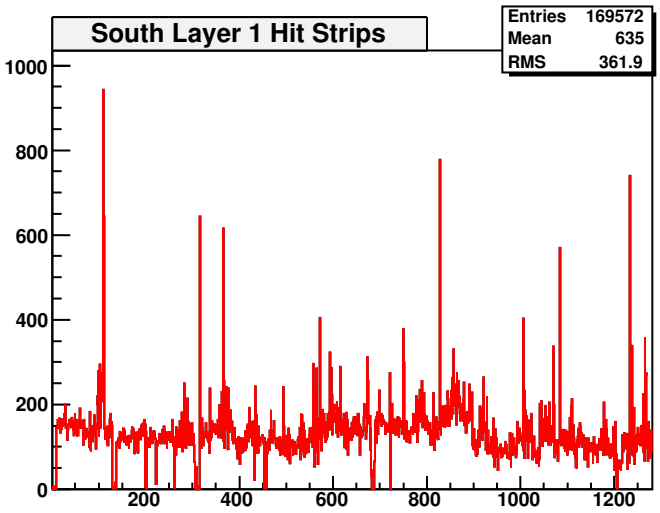


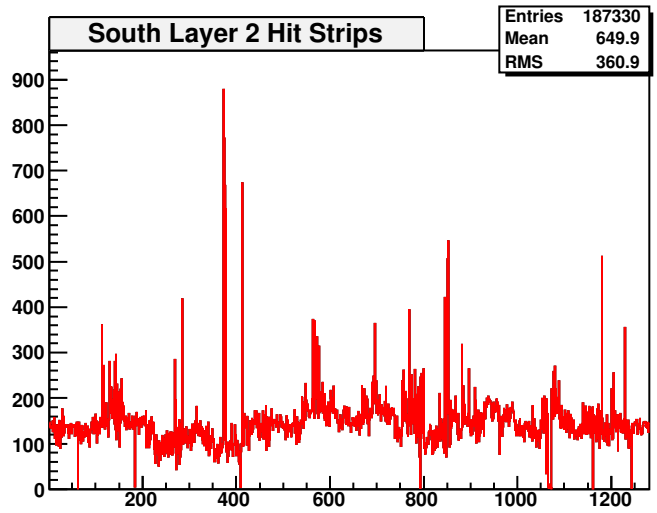
Calorimeter (All EC cells)

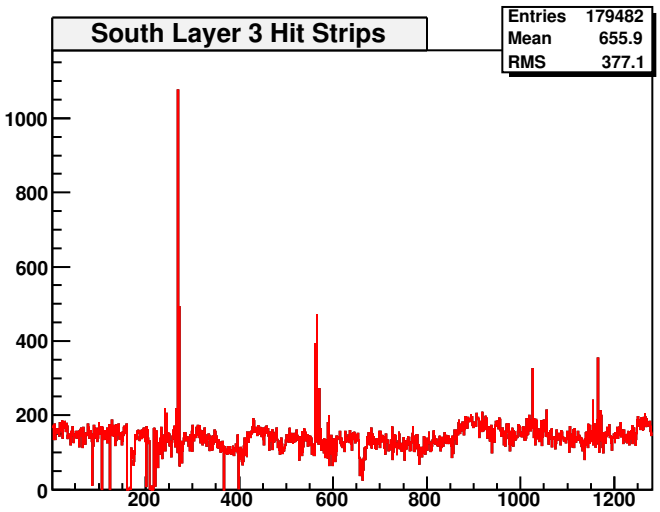


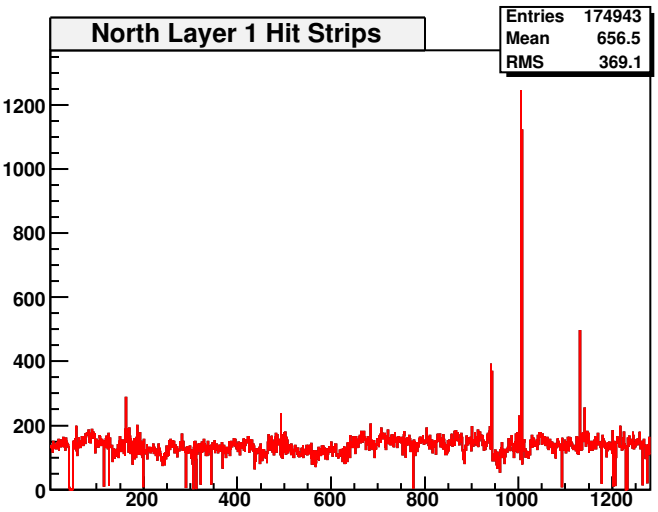
Cal Objects with MET>30 (All cells)

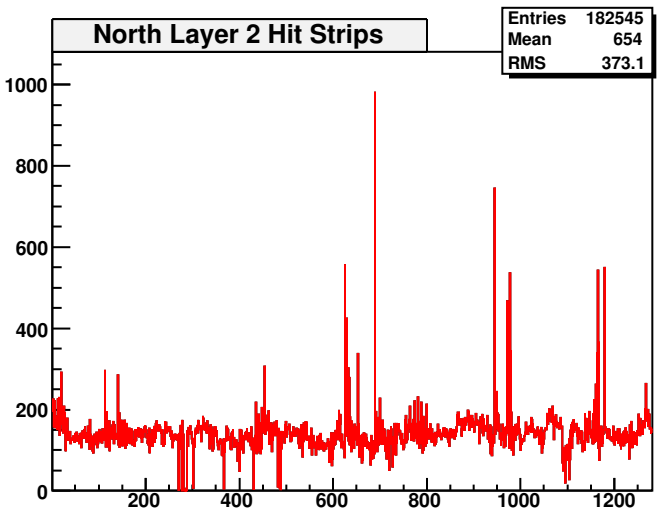

Event Quality Flag (Rate)
Entries 21
Mean 1.5
RMS 0
10^-2
0 2 4 6 8 10 12 14 16 18 20
Calorimeter Event Quality (All cells)

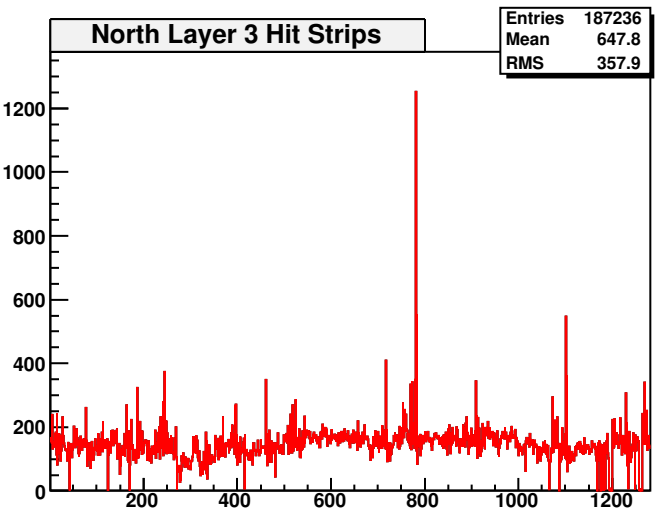




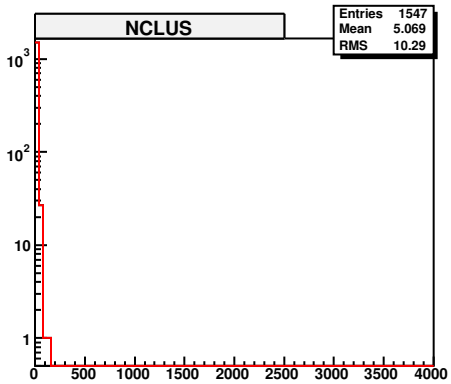


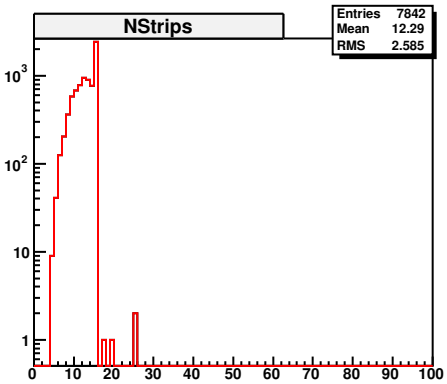


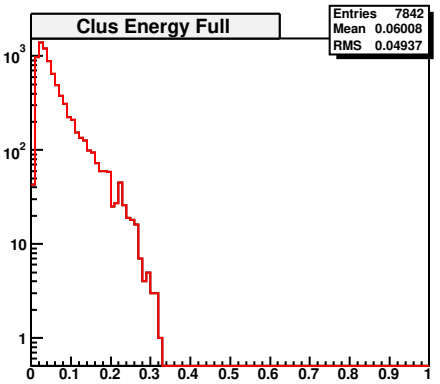


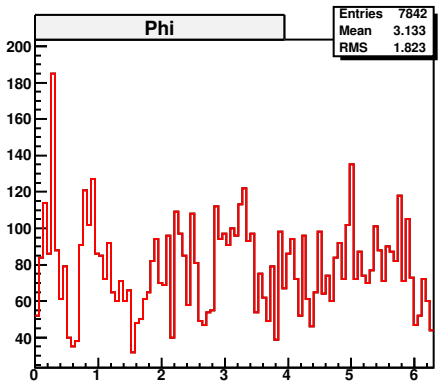


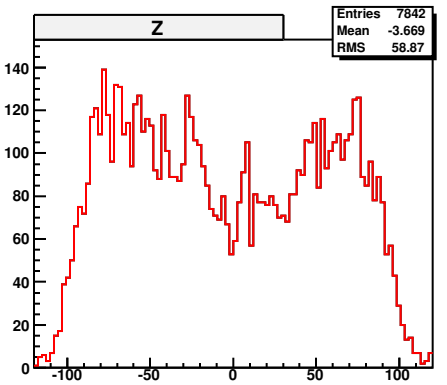
CPS Hit Strips (All Clusters)

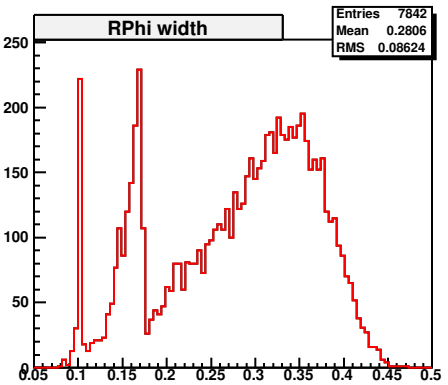


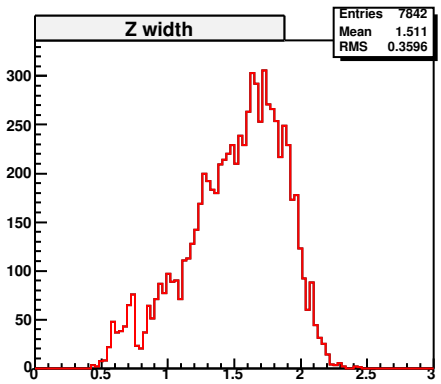


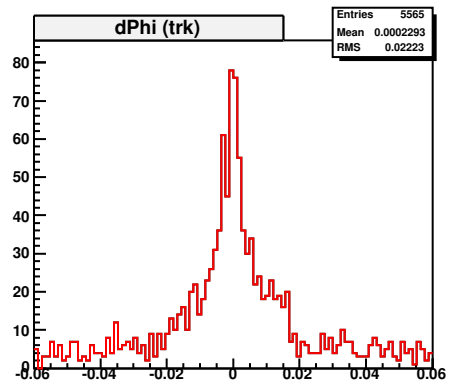


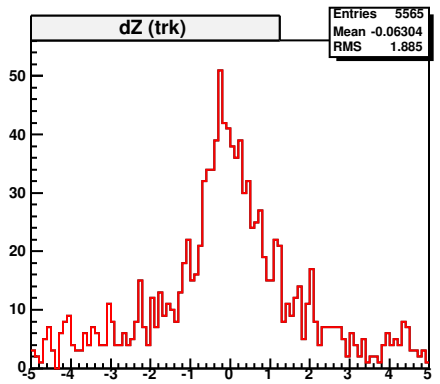


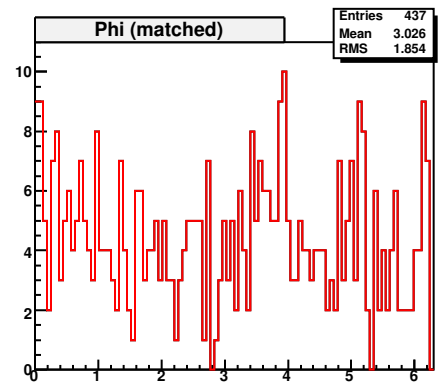


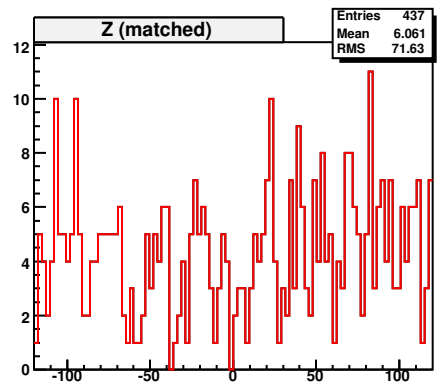




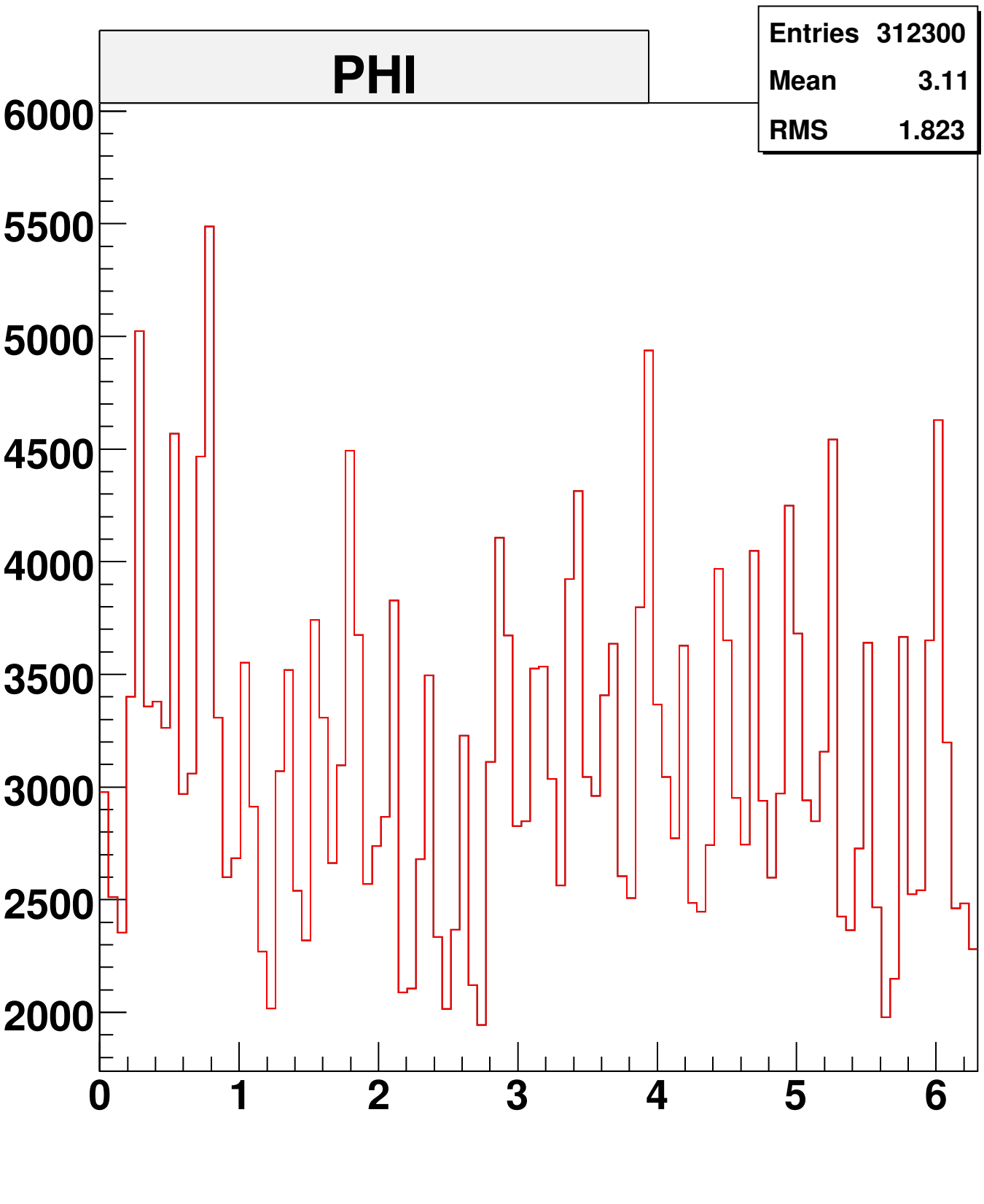


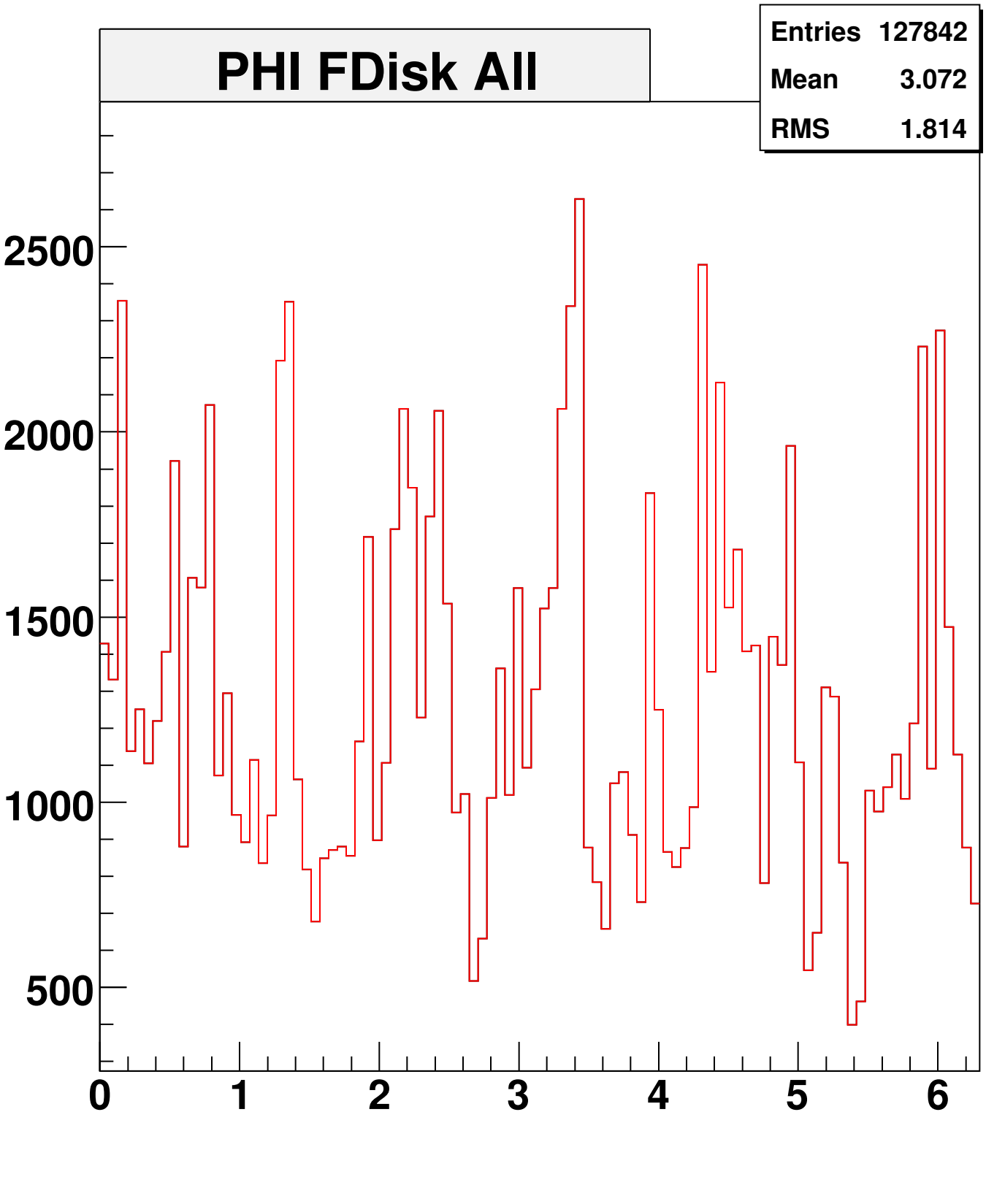


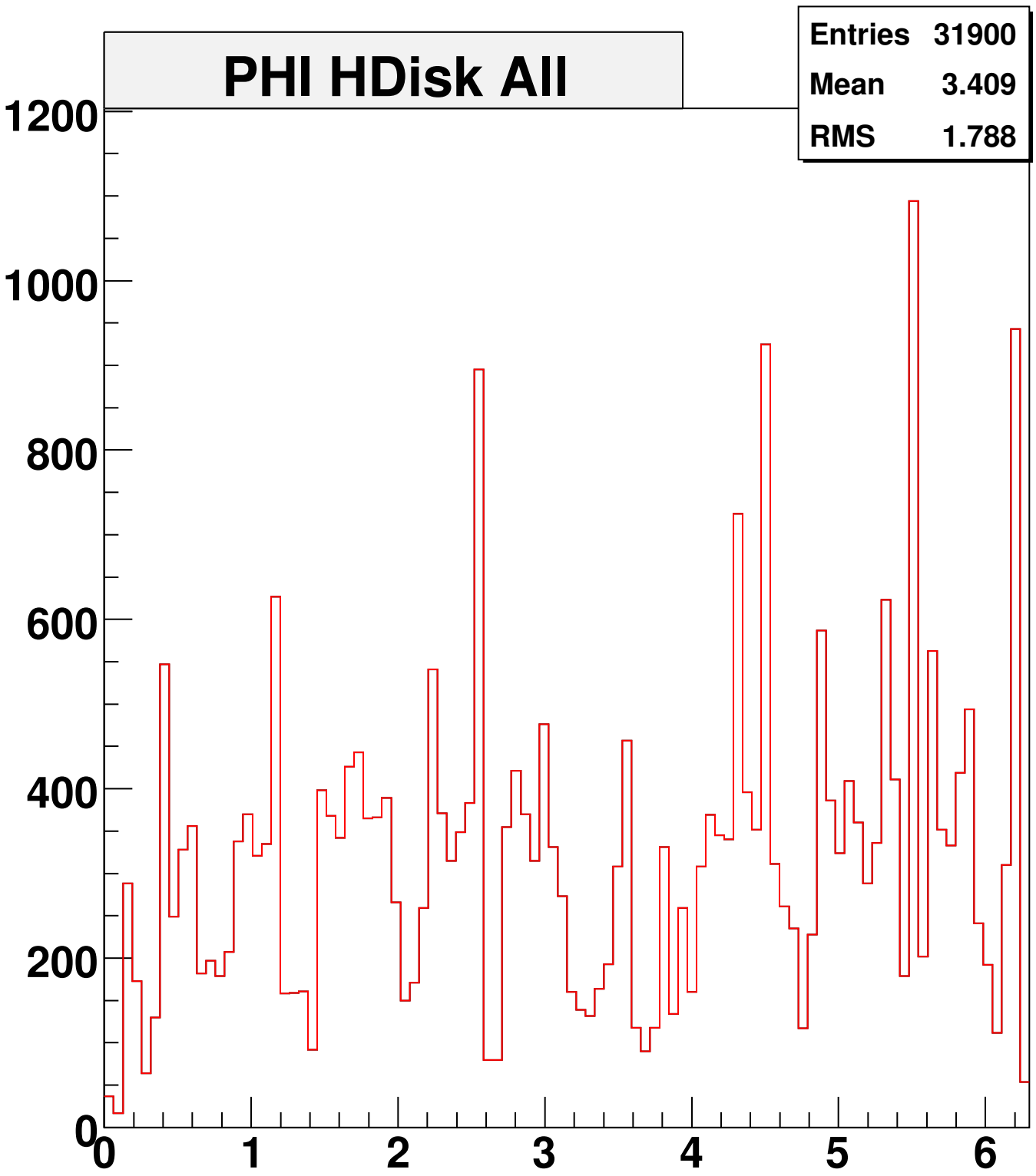


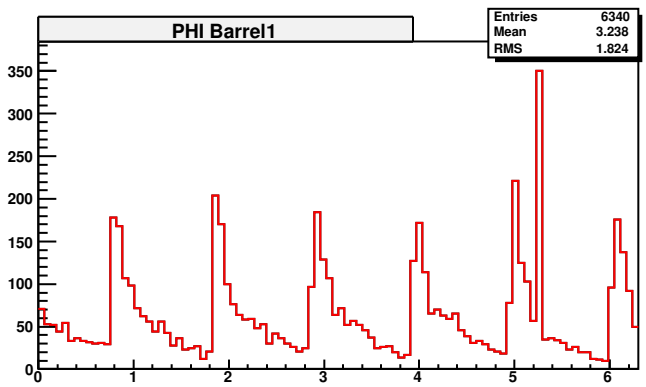


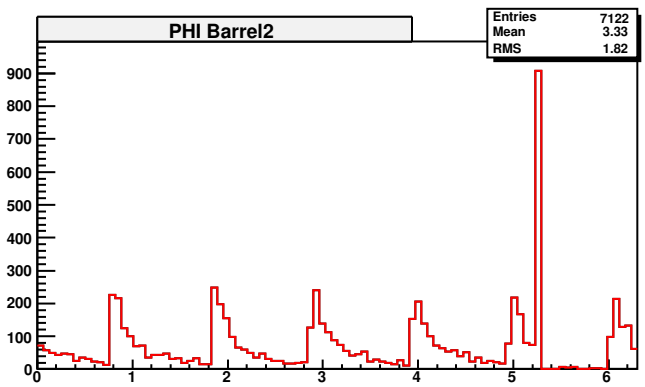
CPS Clusters (All Clusters)

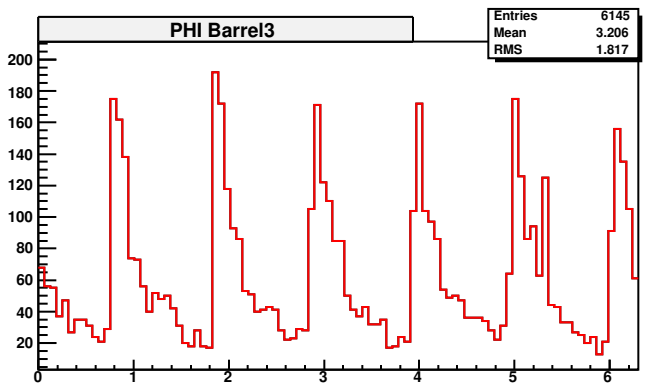

PHI
Entries 312300
Mean 3.11
RMS 1.823
6000
5500
5000
4500
4000
3500
3000
2500
2000
0
1
2
3
4
5
6
SmtClusters (allBarClusters)

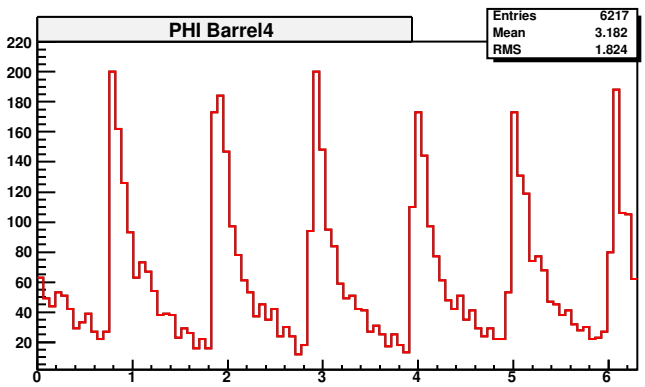

PHI FDisk All
Entries 127842
Mean 3.072
RMS 1.814
2500
2000
1500
1000
500
0
1
2
3
4
5
6
SmtClusters (allFDiskClusters)

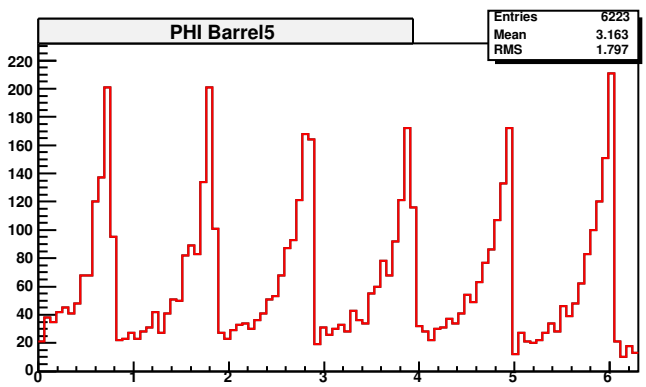

PHI HDisk All
Entries 31900
Mean 3.409
RMS 1.788
1200
1000
800
600
400
200
0
0
1
2
3
4
5
6
SmtClusters (allHDiskClusters)

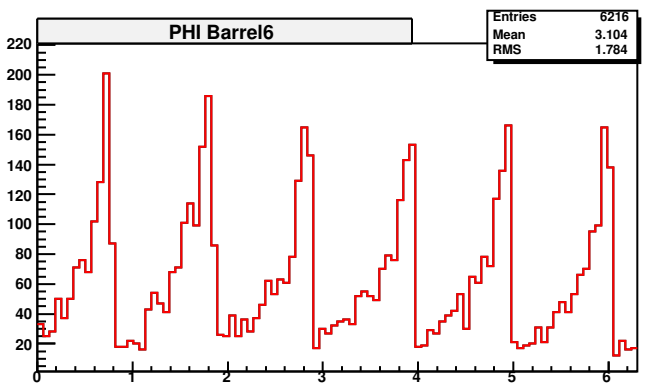


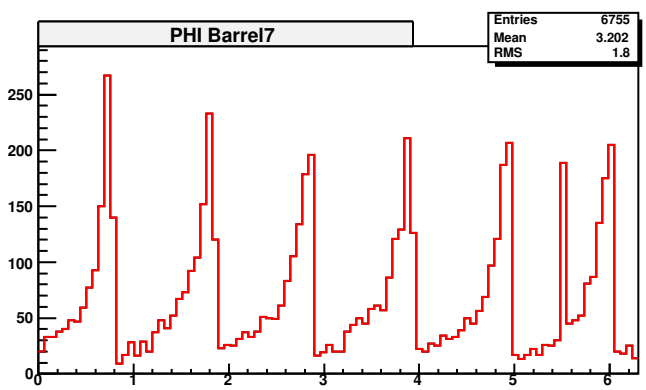


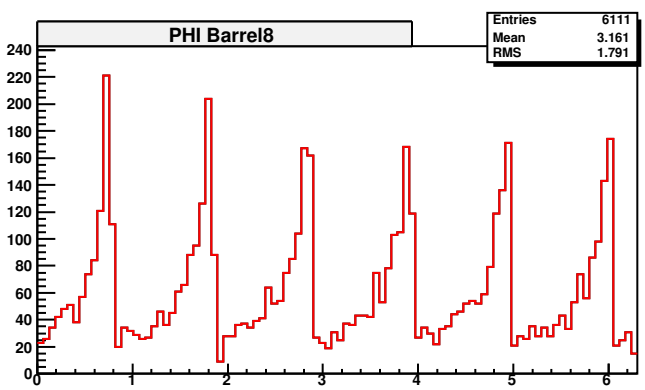




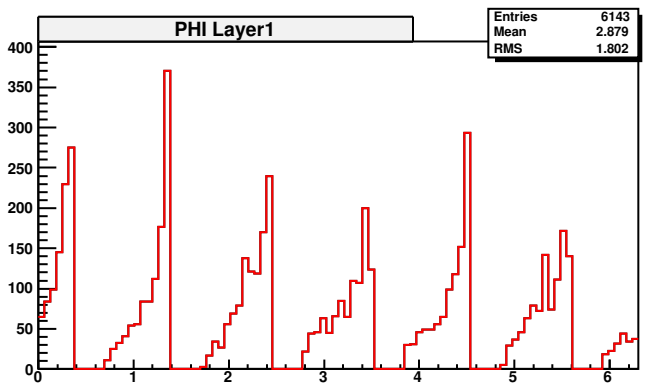


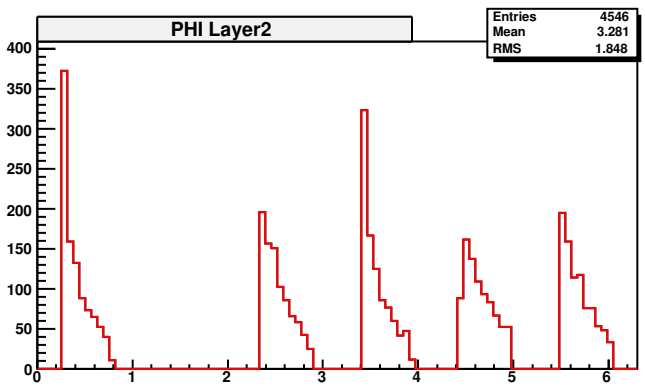


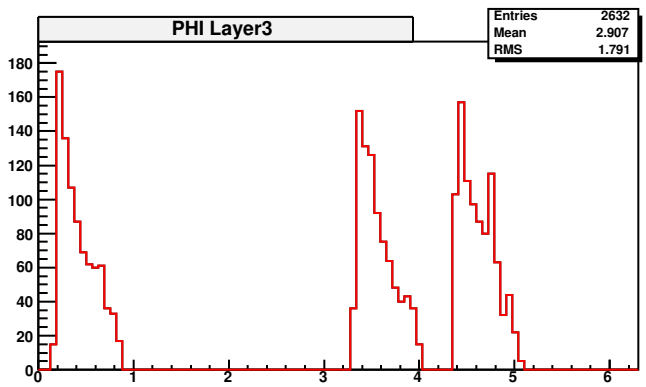


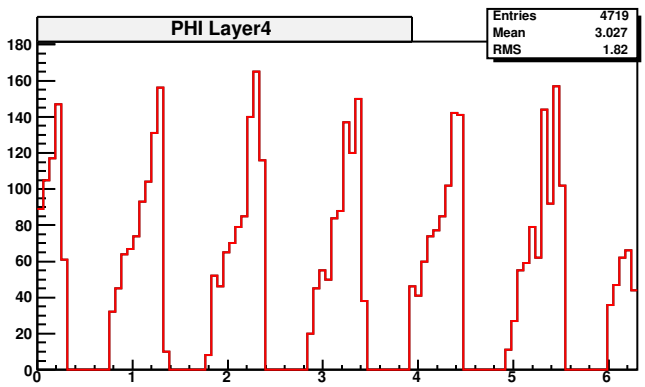


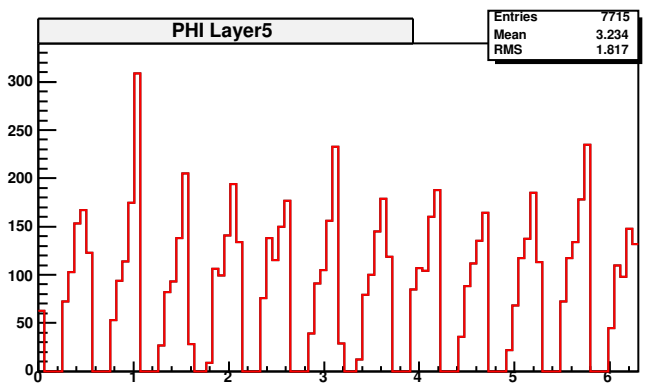
SmtClusters (ClustrLayer0)

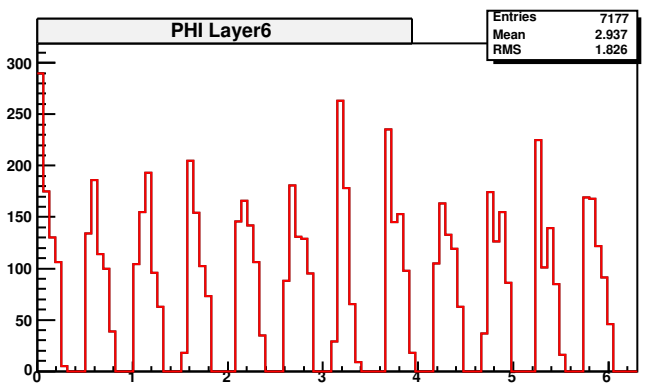


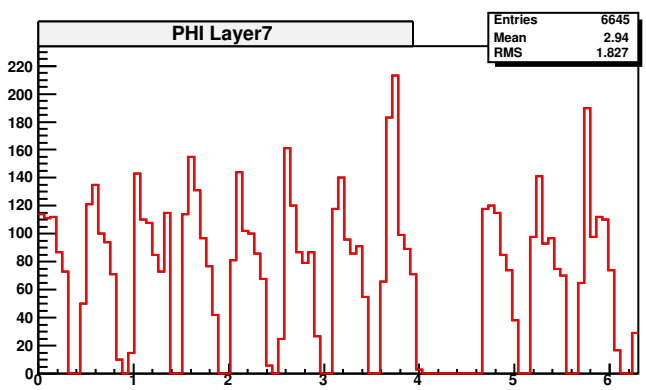


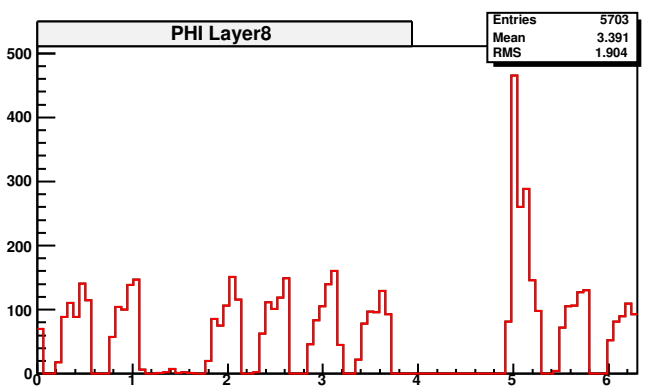




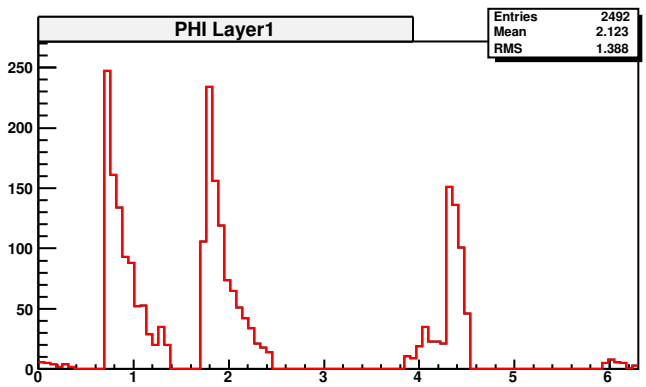


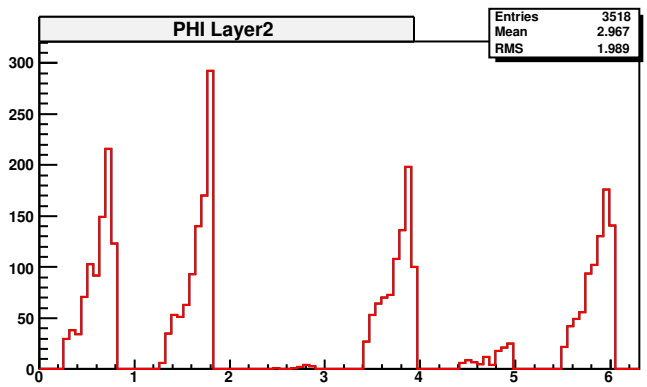


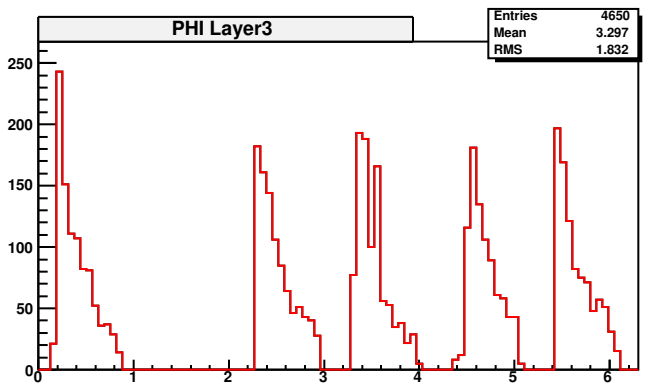


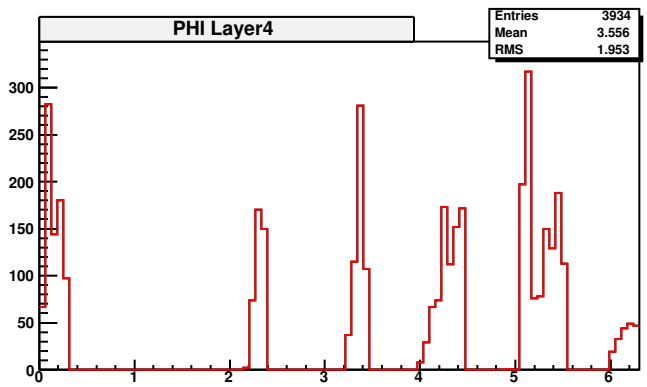


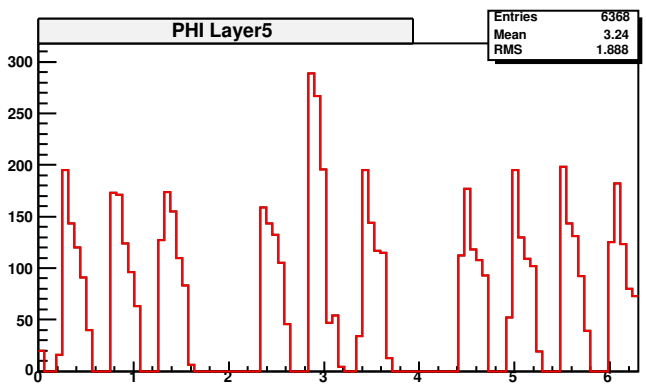
SmtClusters (ClustrBar1)

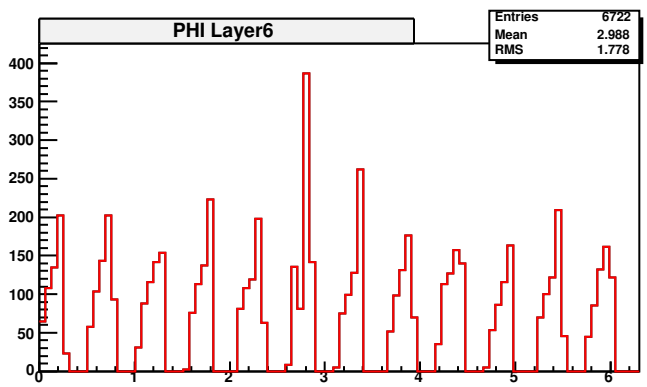


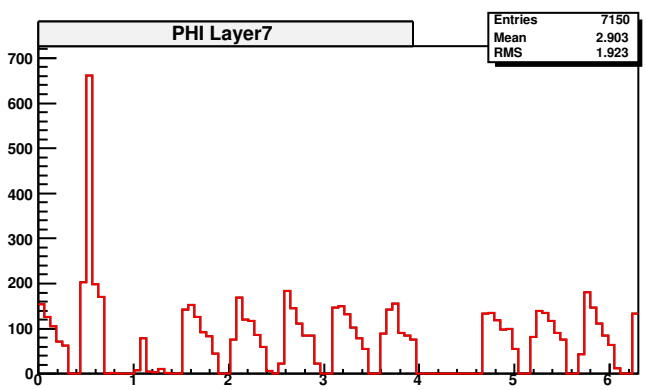


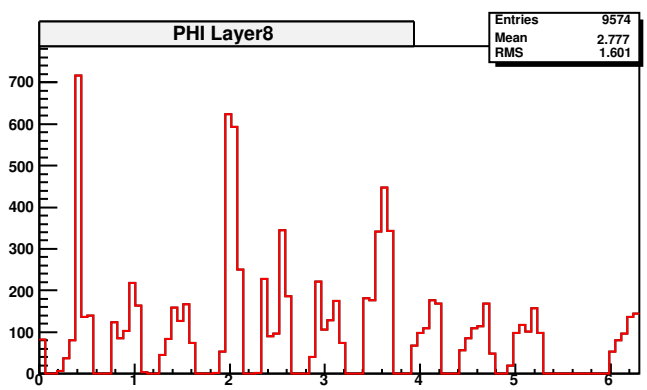




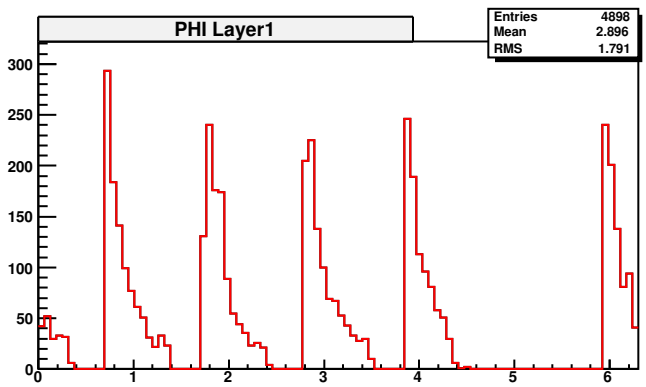


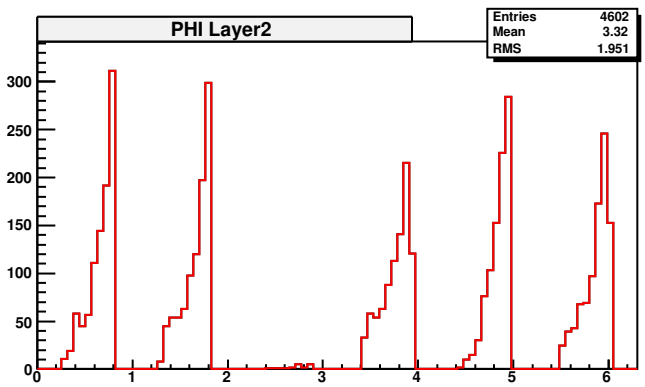


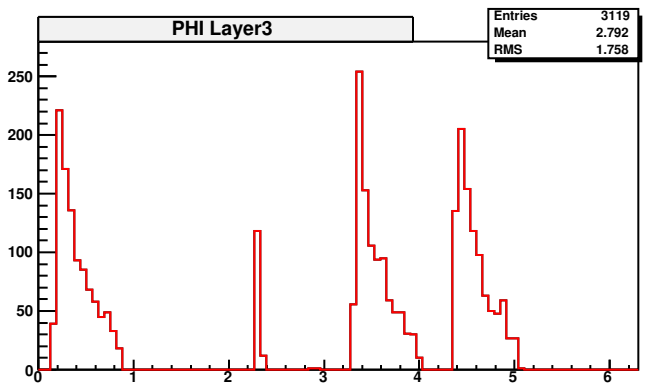


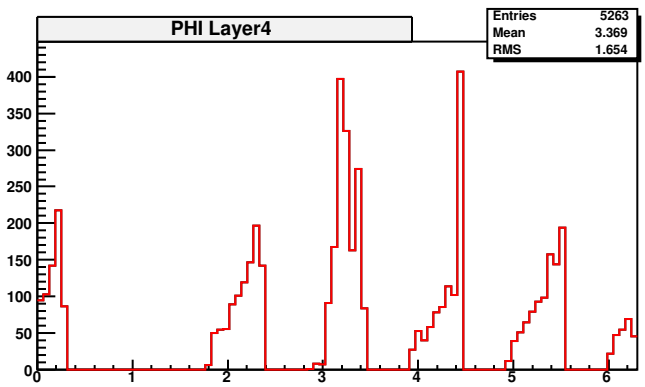


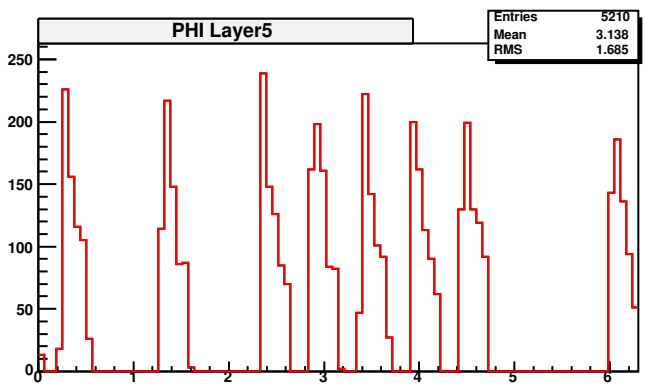
SmtClusters (ClustrBar2)

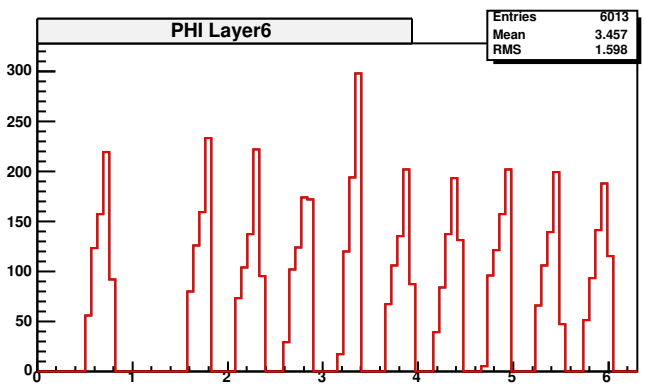


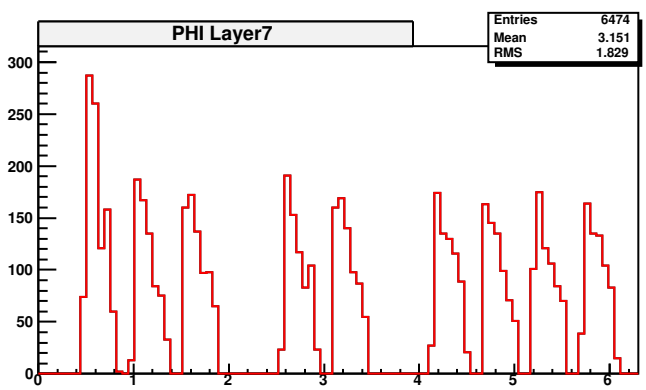


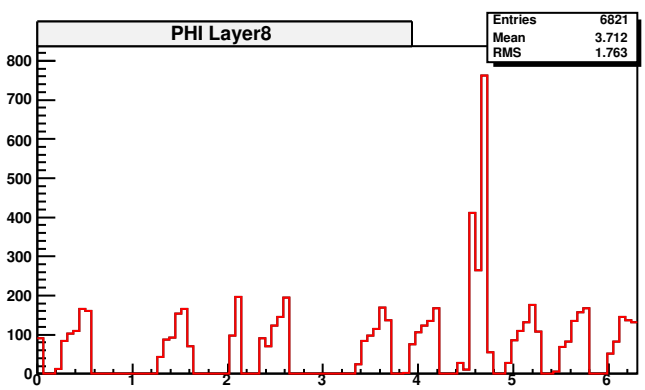




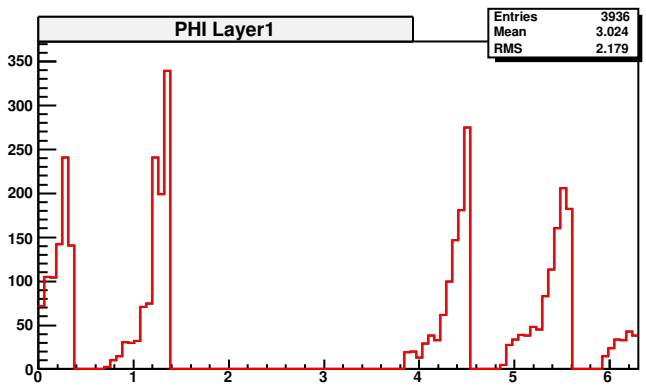


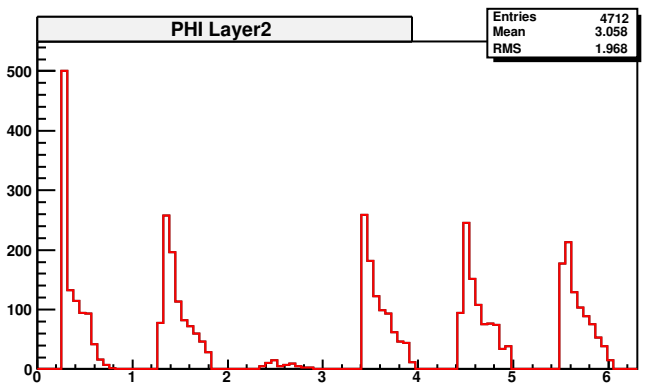


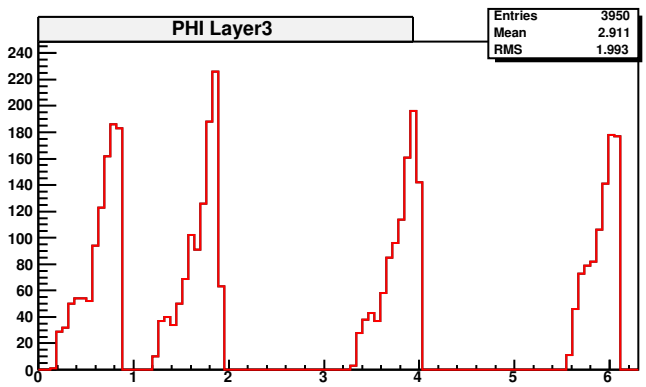


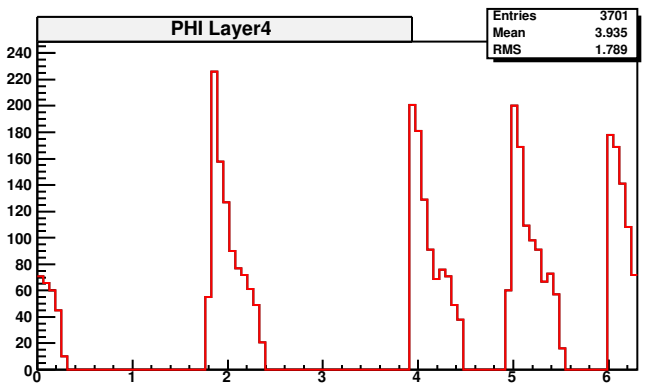


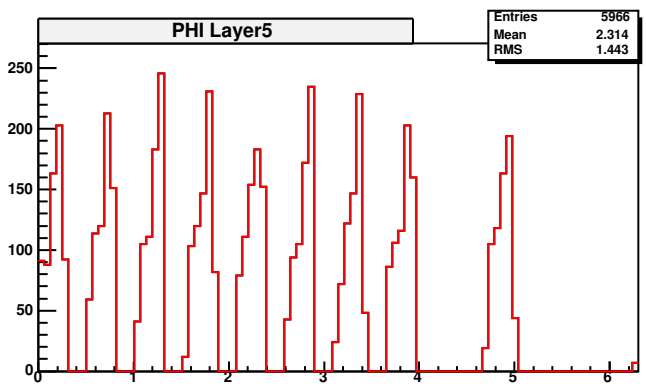
SmtClusters (ClustrBar3)

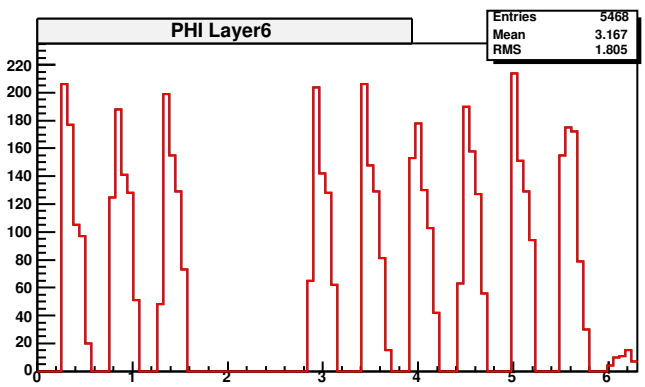


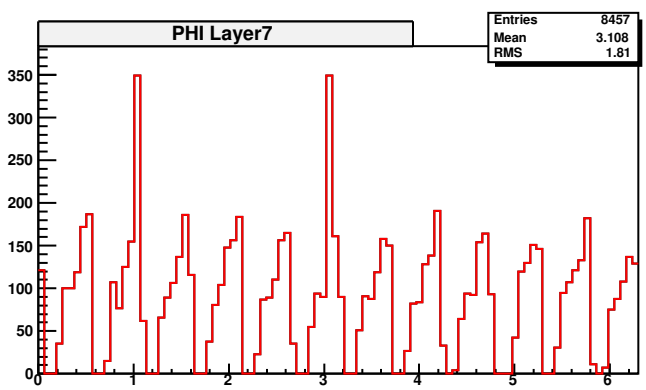


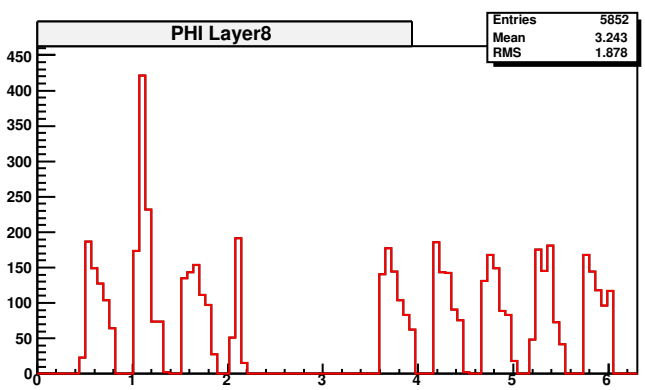




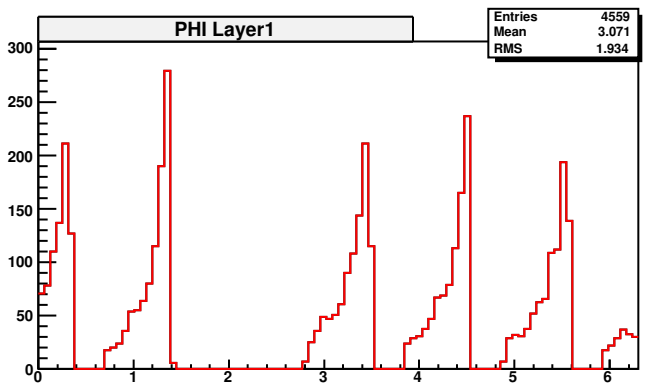


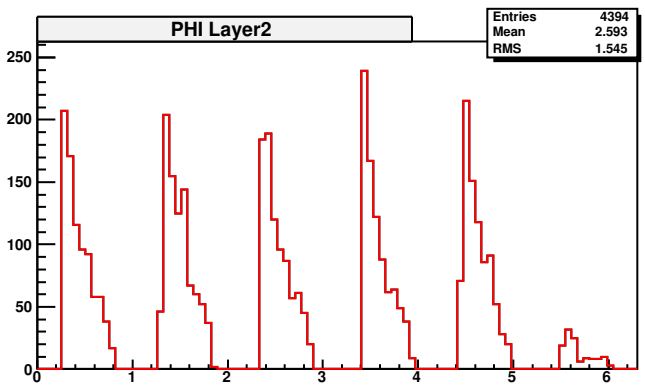


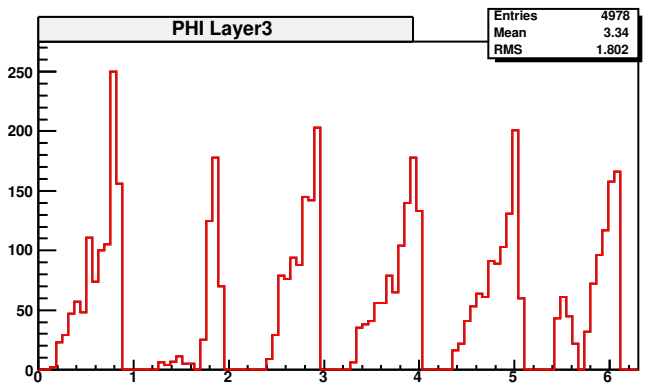


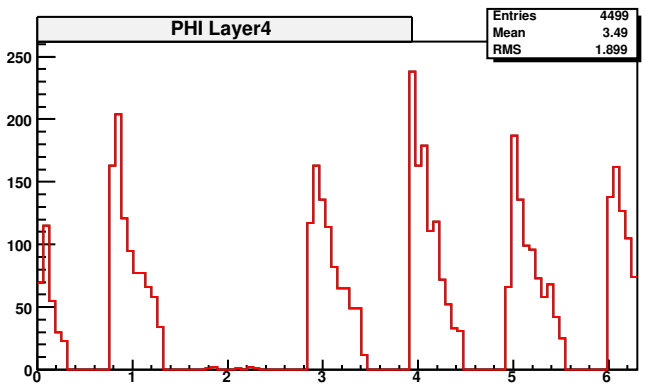


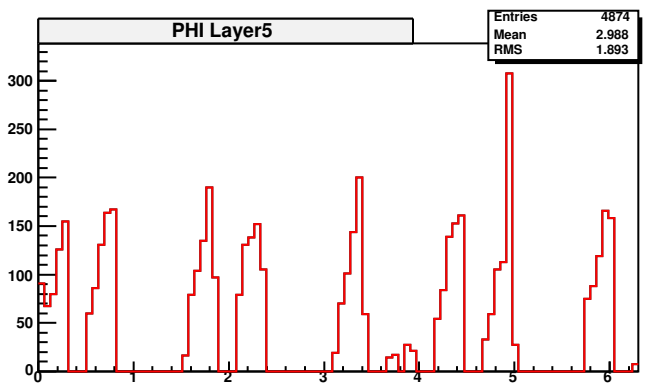
SmtClusters (ClustrBar4)

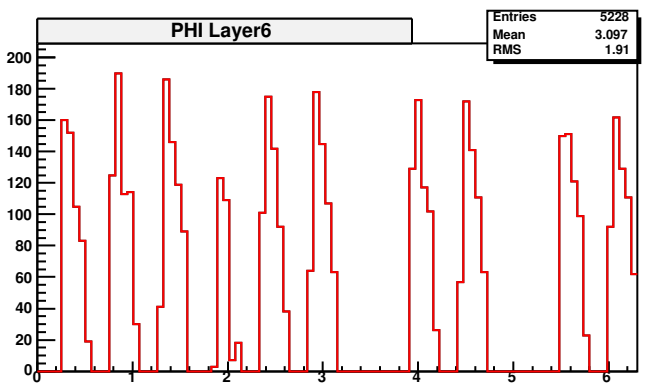


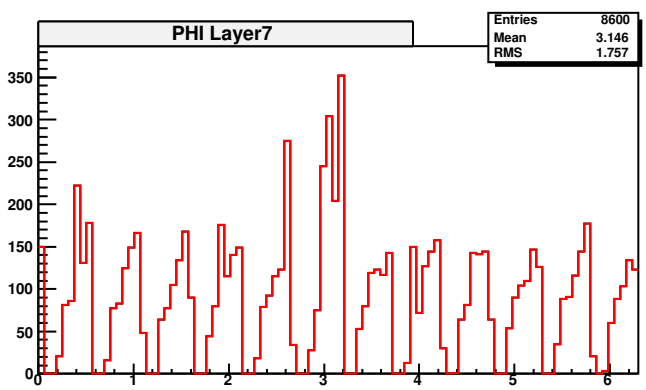


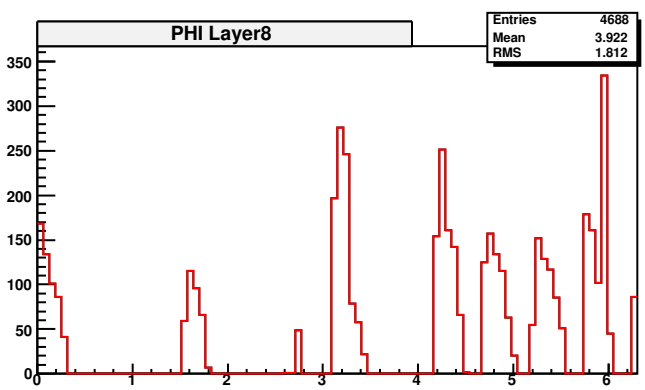




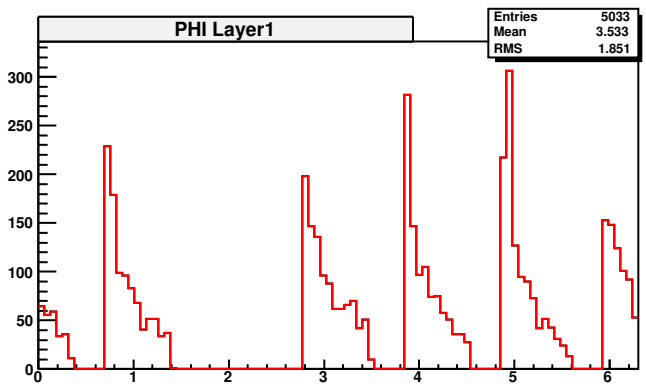


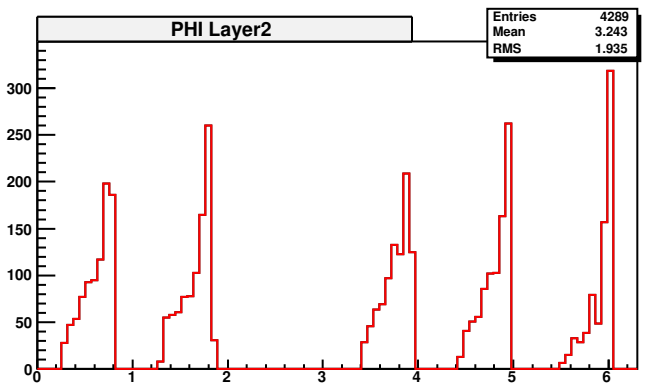


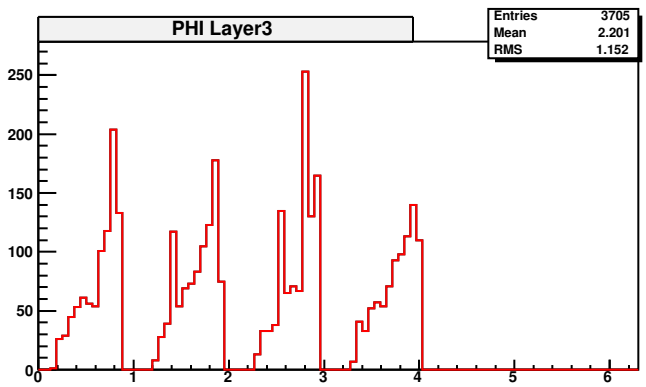


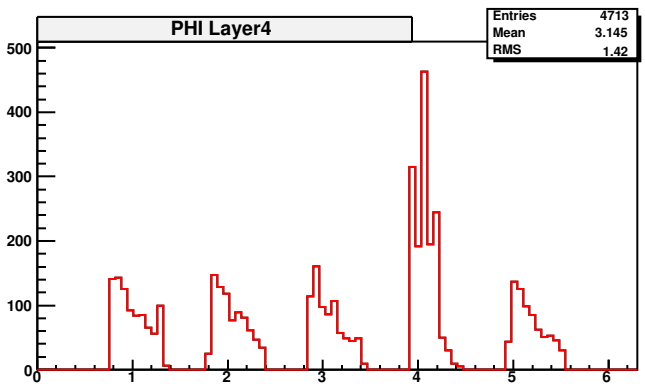


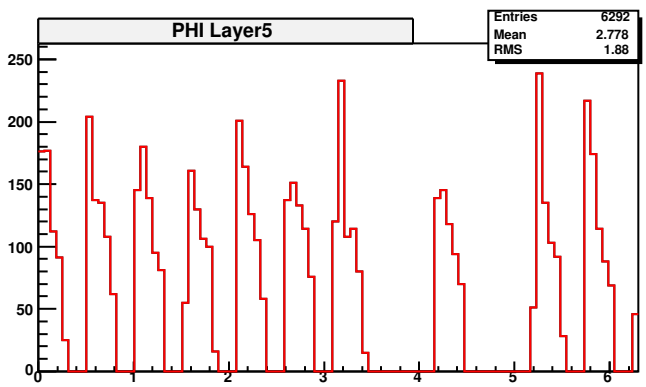
SmtClusters (ClustrBar5)

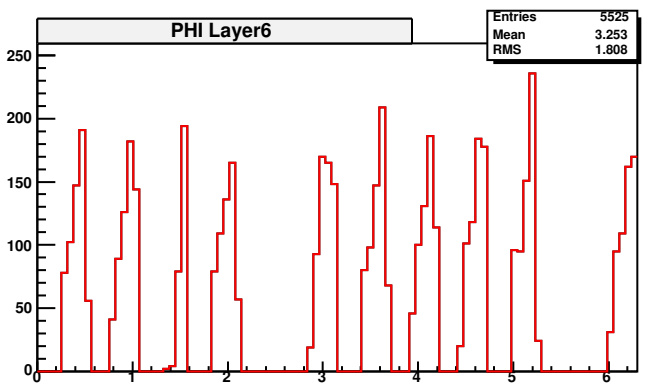


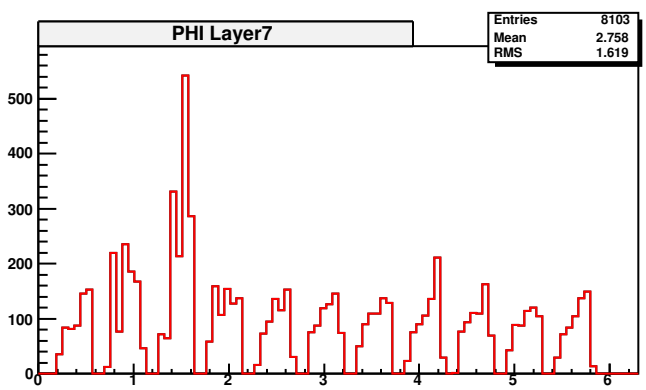


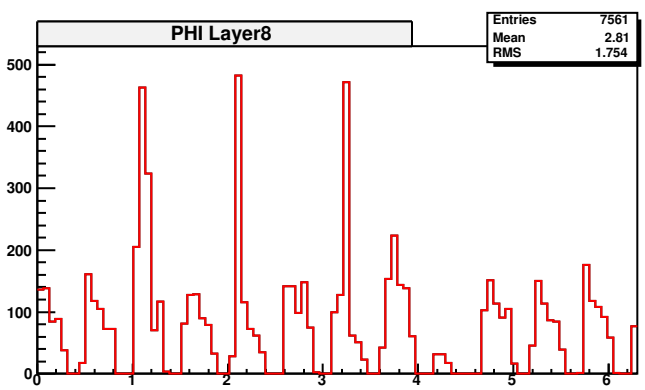




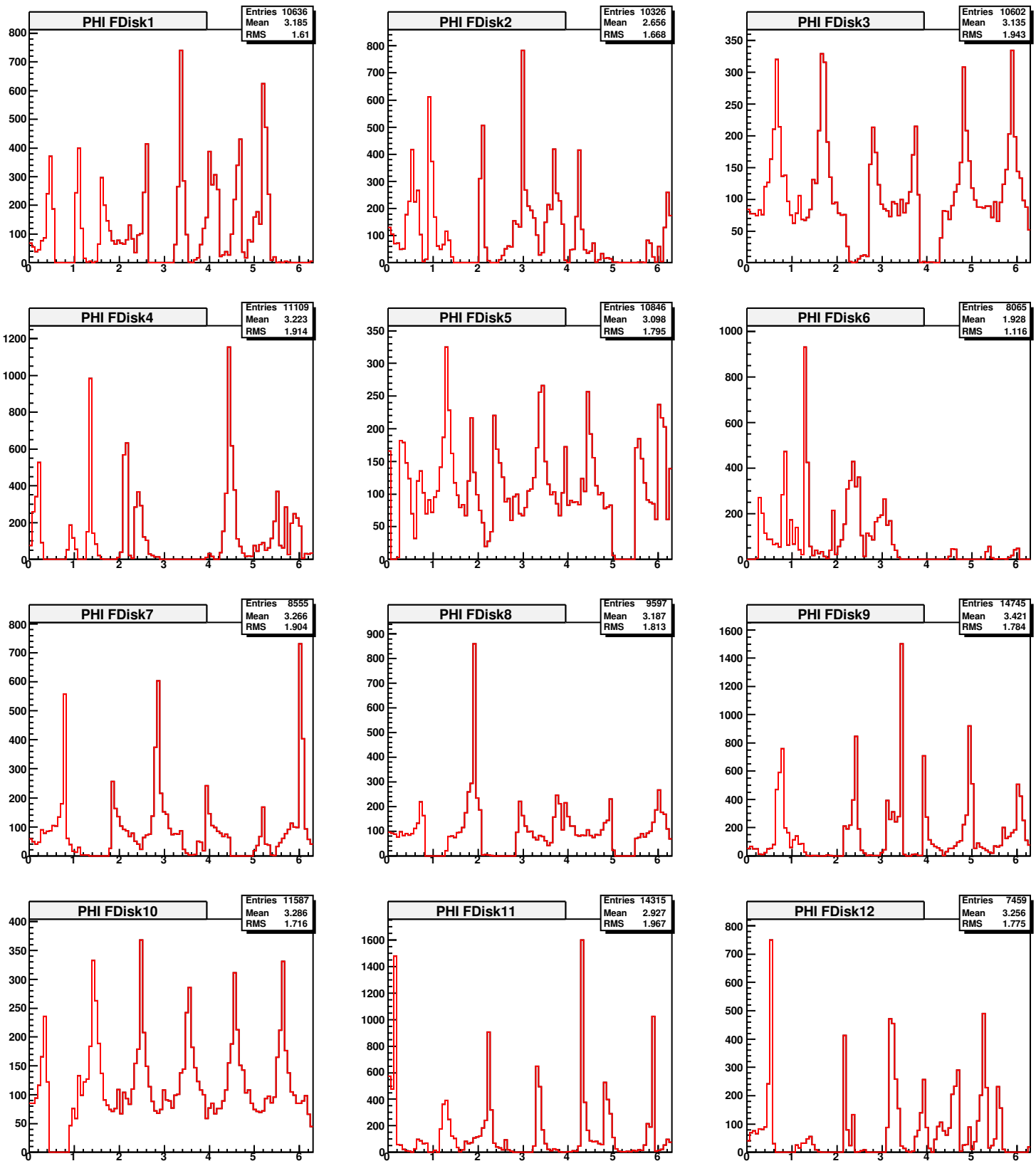




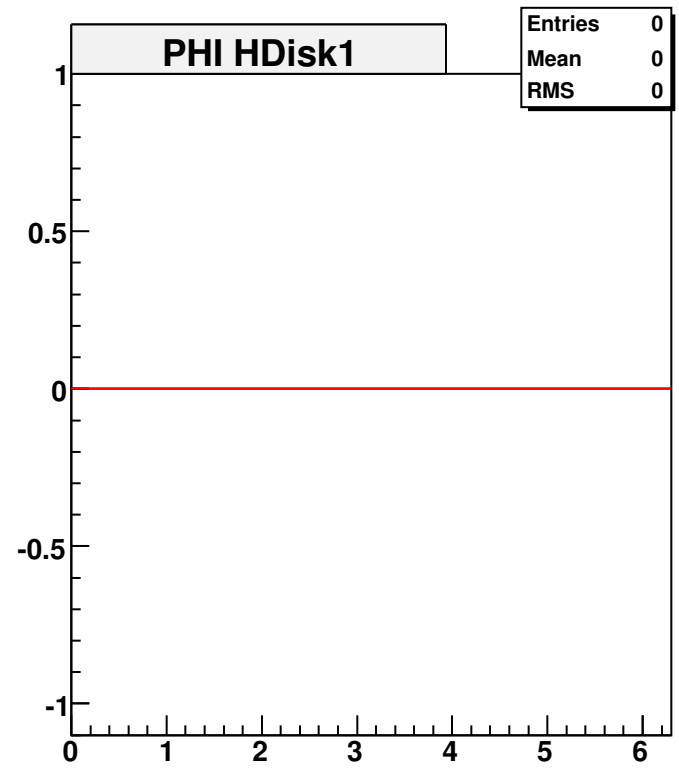


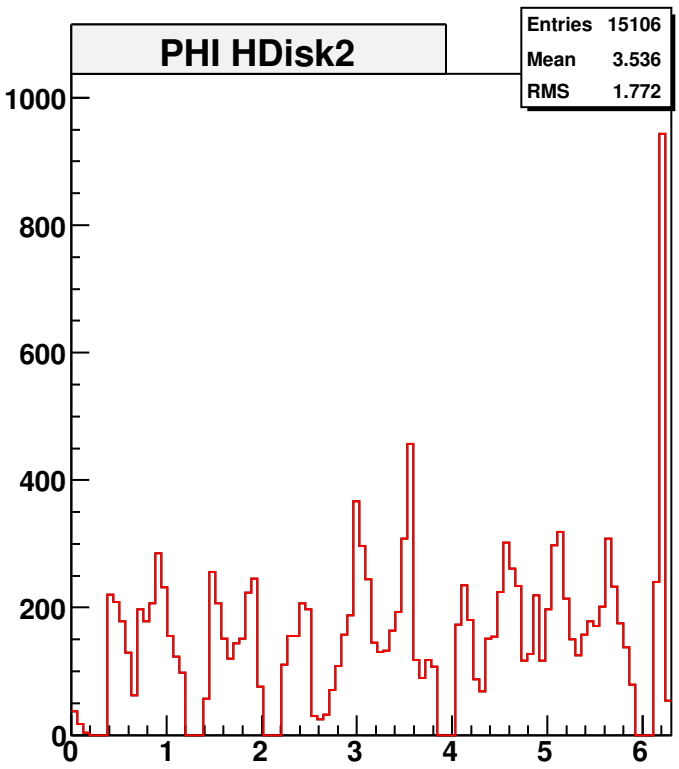


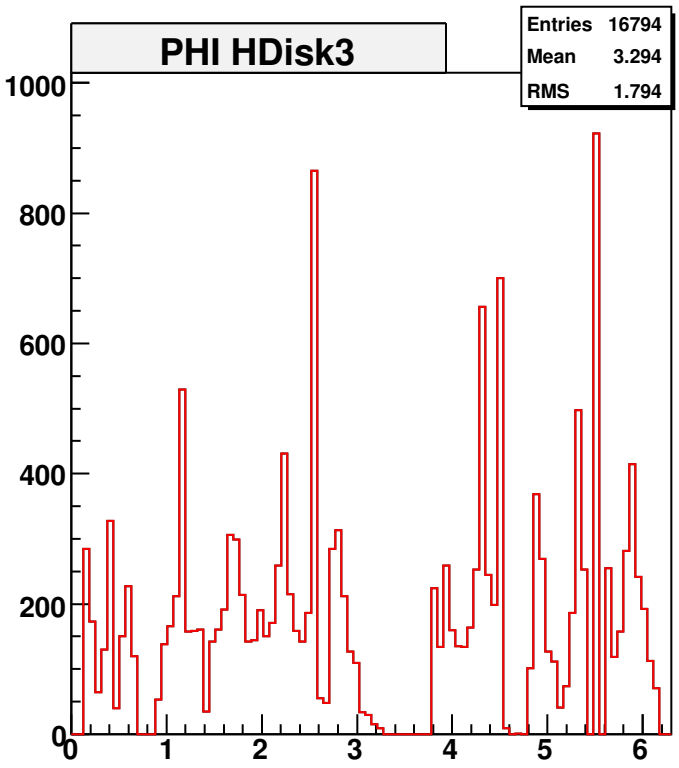
SmtClusters (ClustrBar6)

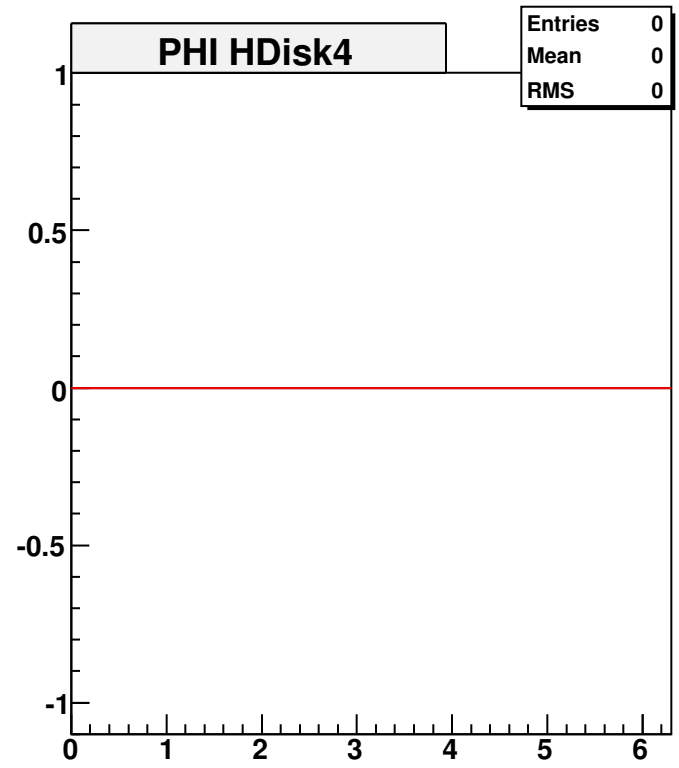


SmtClusters (FDiskClusters)

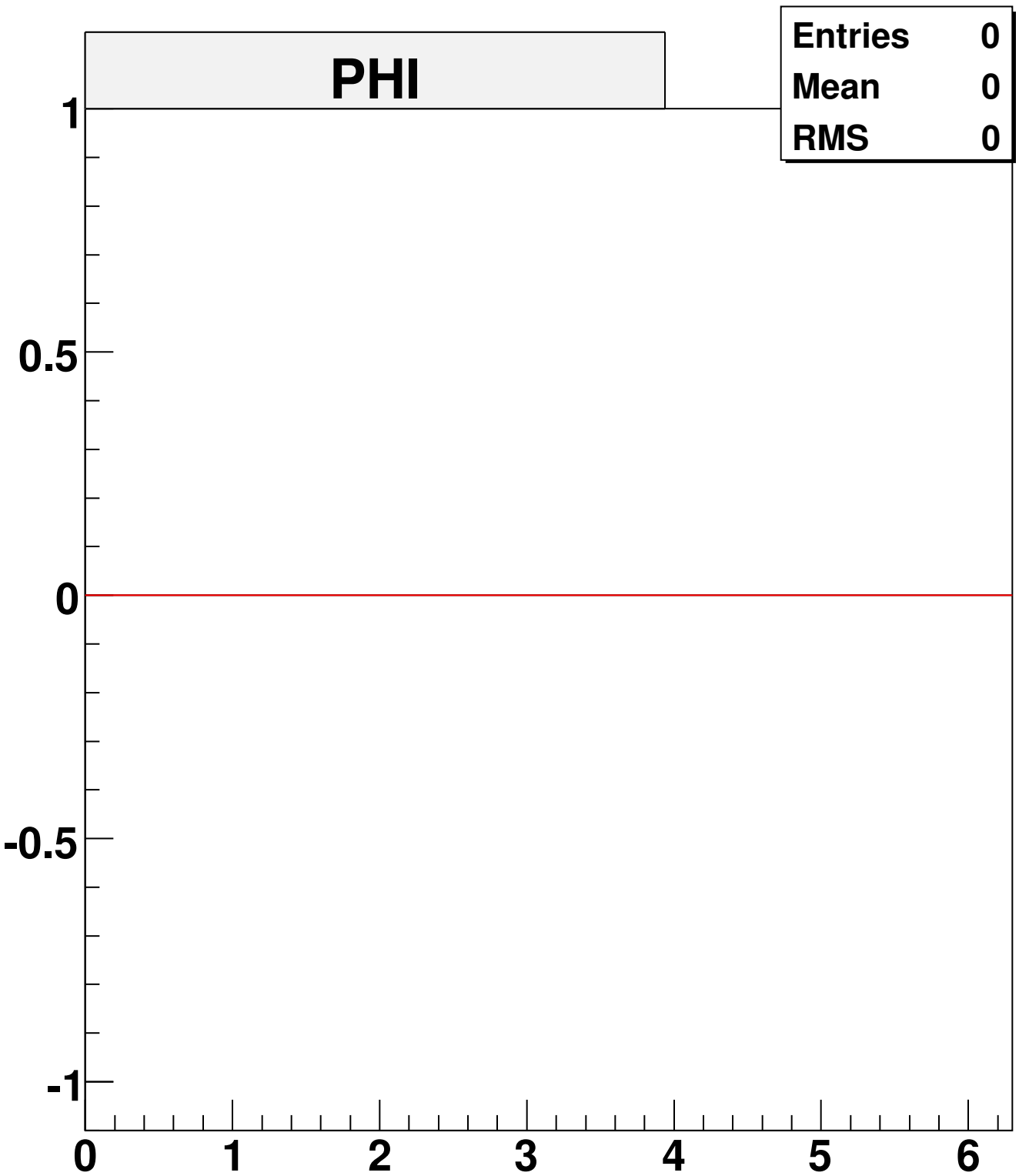


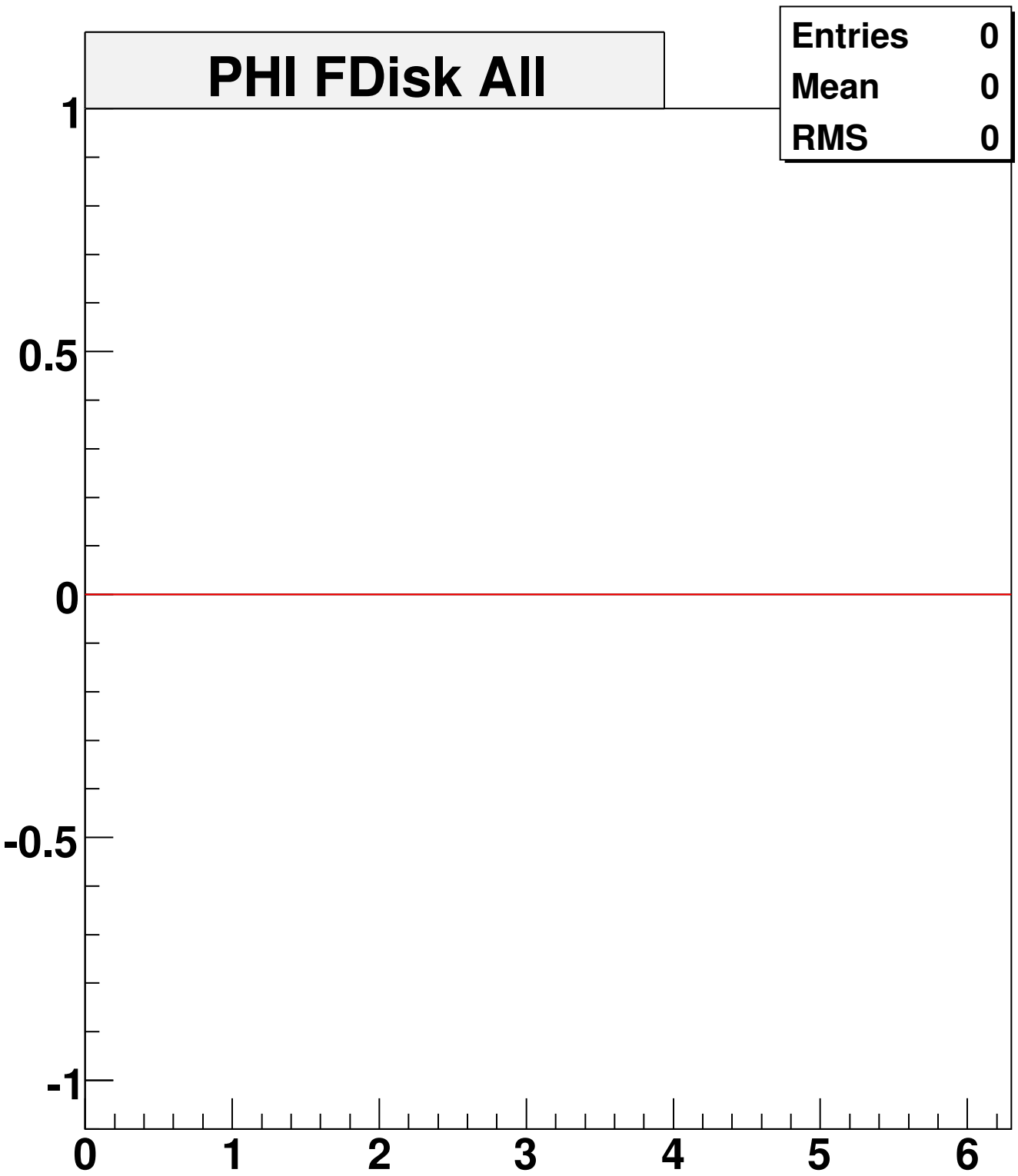






SmtClusters (HDiskClusters)


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


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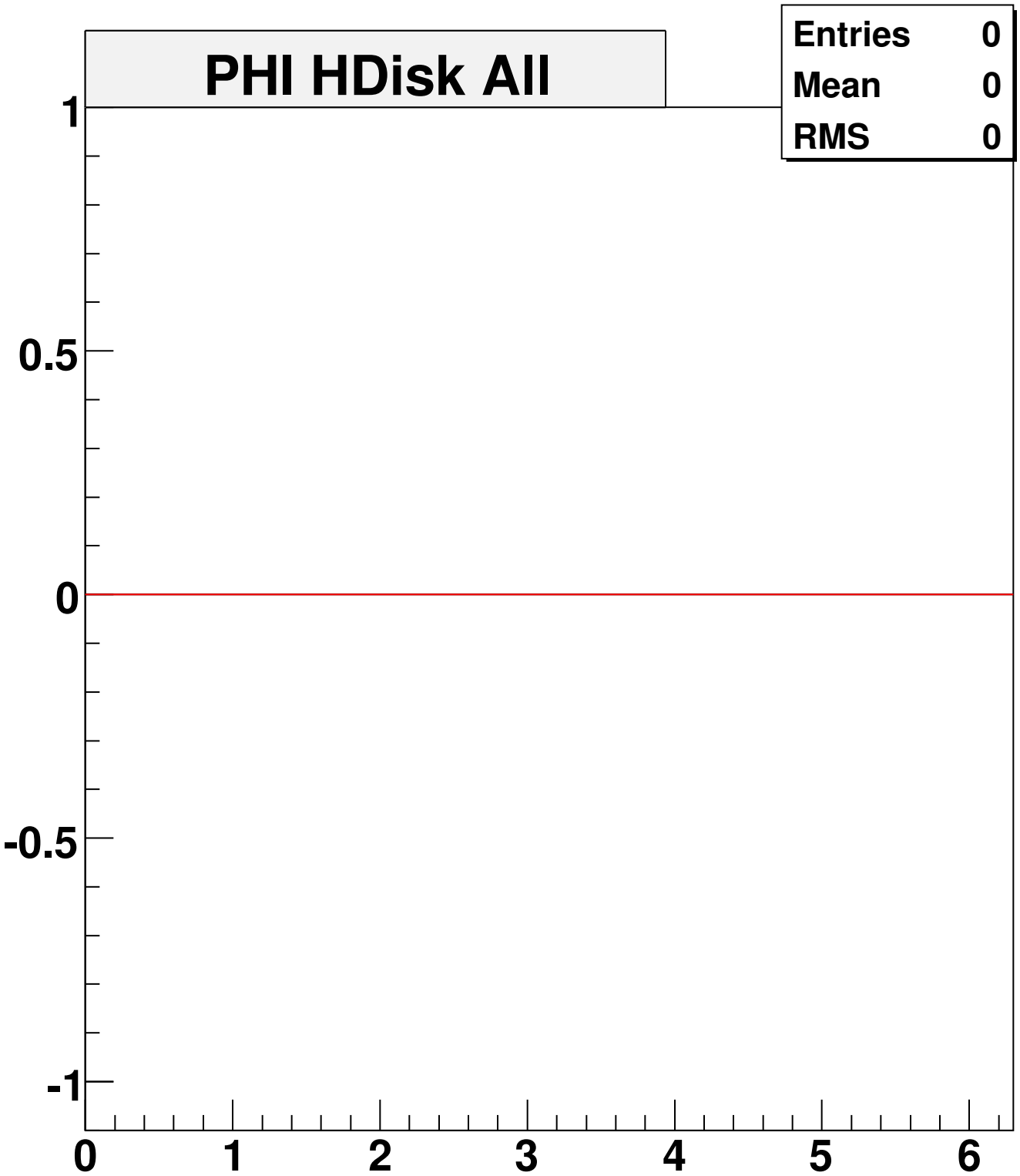
SmtClusters (allFDiskTClusters)


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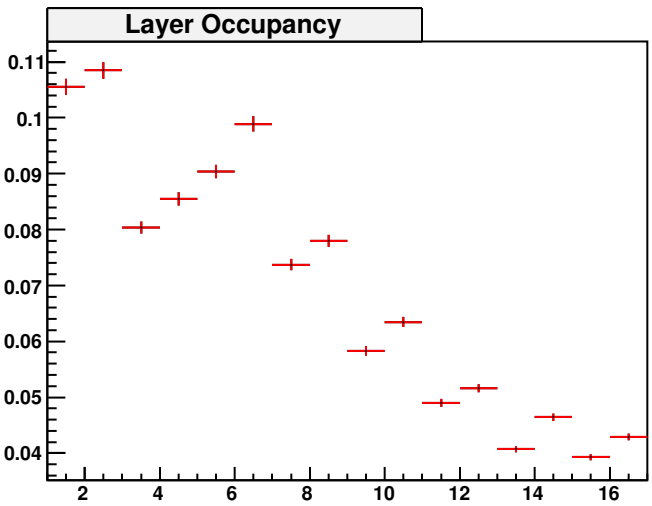
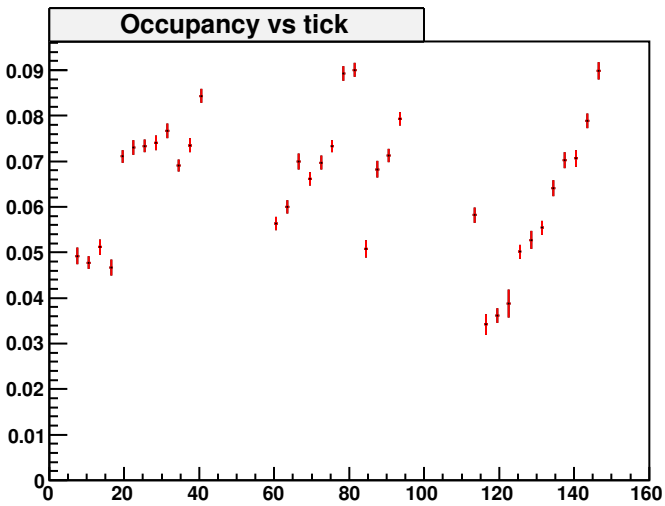
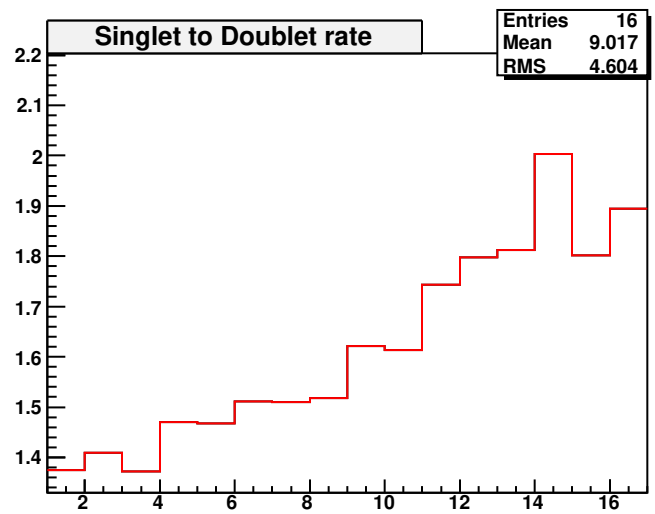
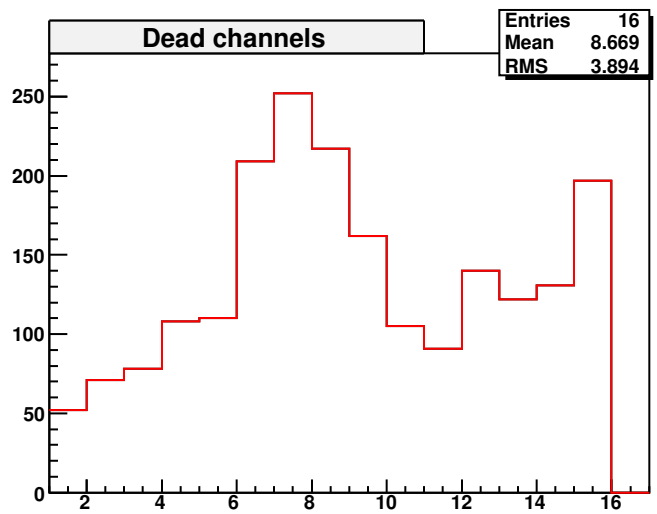
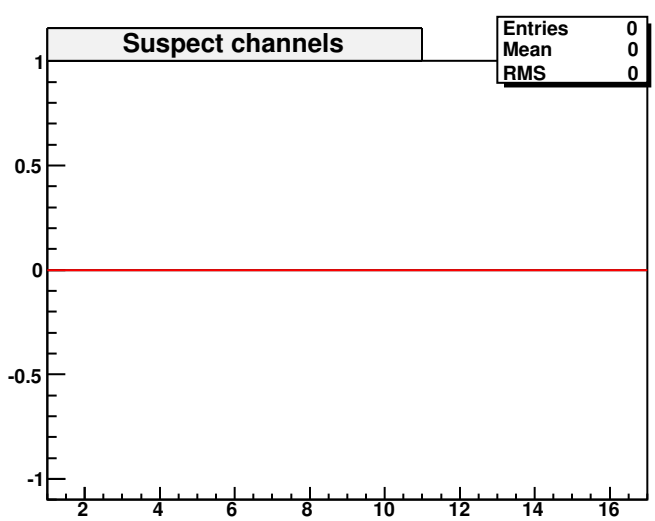
6
SmtClusters (allHDiskTClusters)

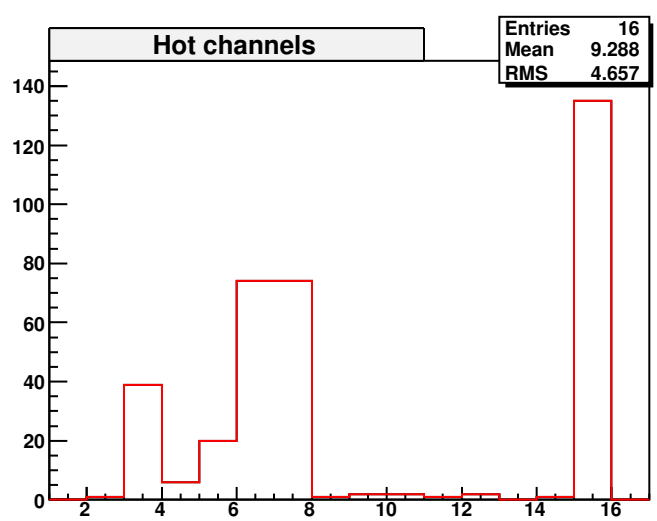




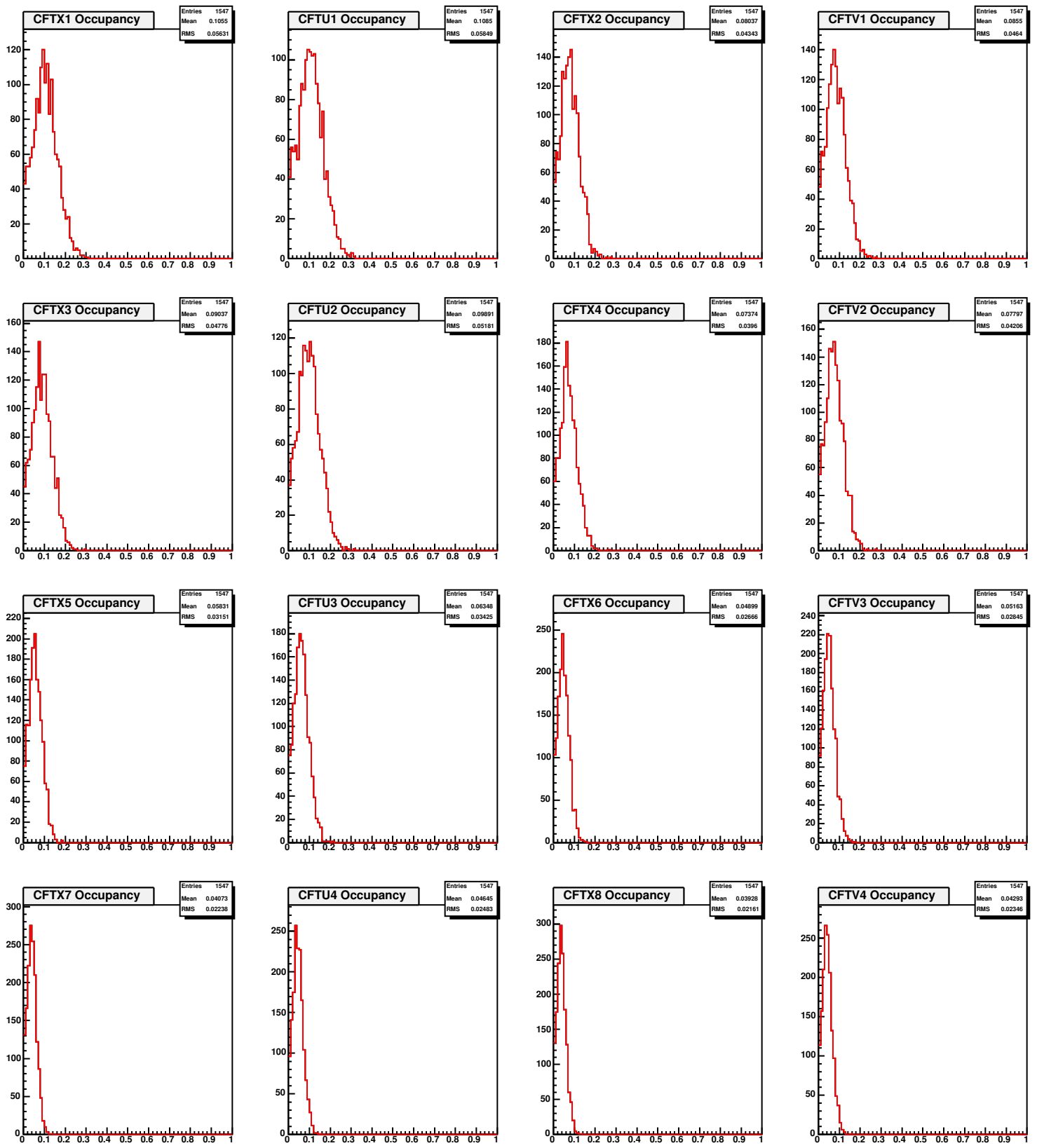




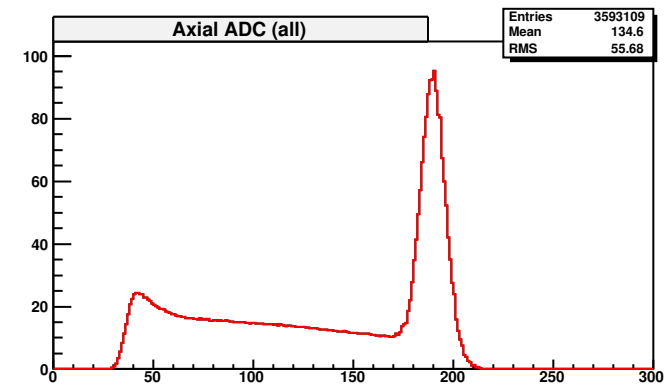


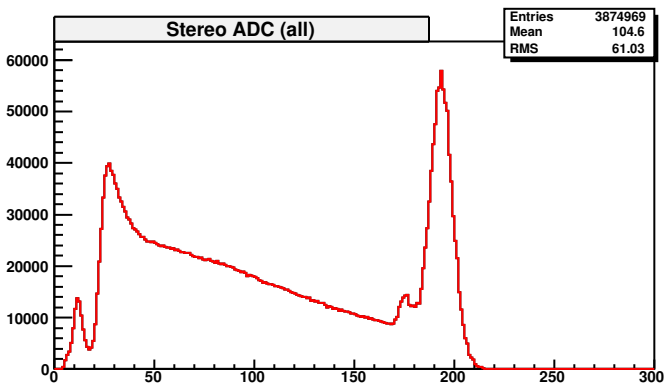


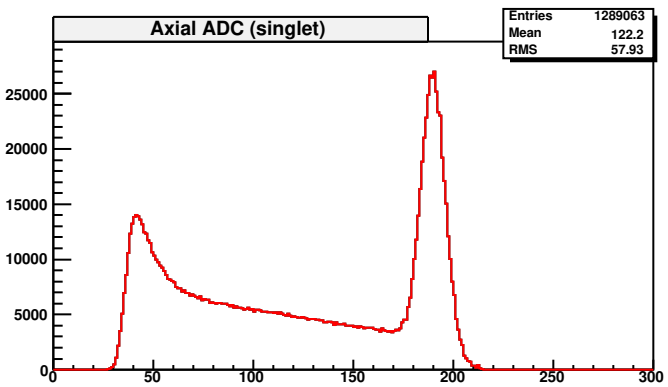
CFT Summary (All Clusters)

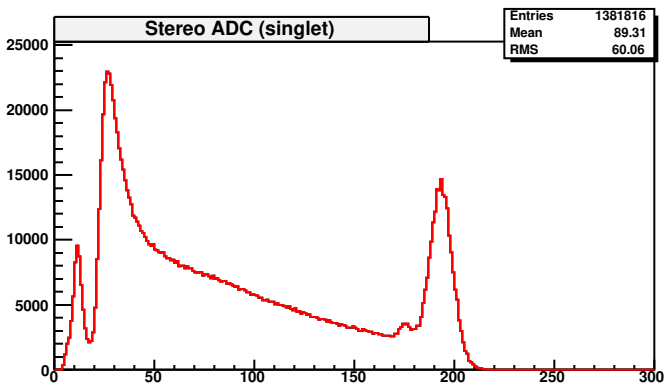


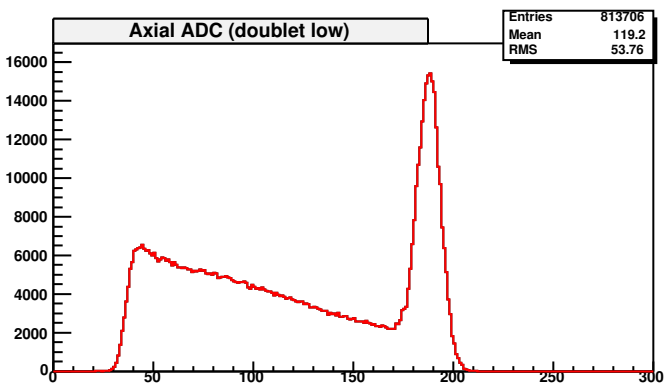
CFT Occupancy (All Clusters)

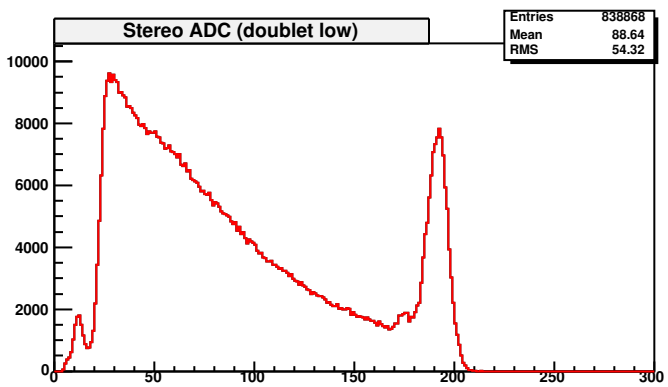


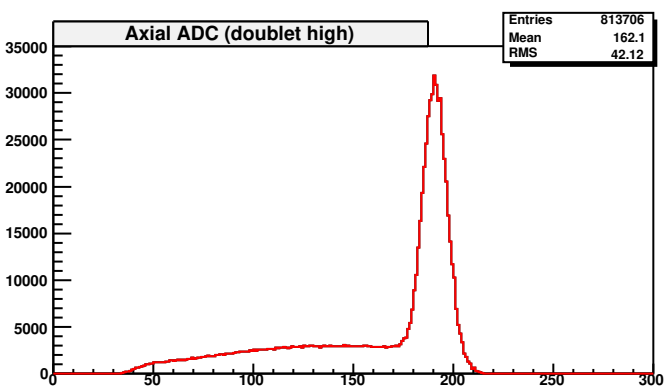


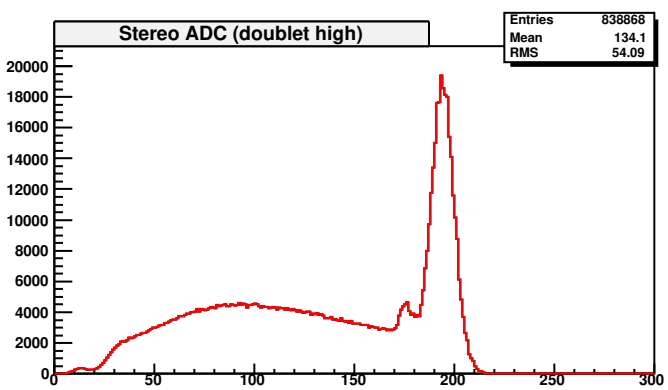




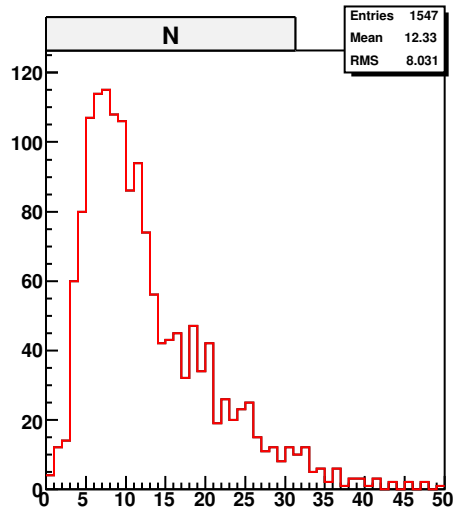


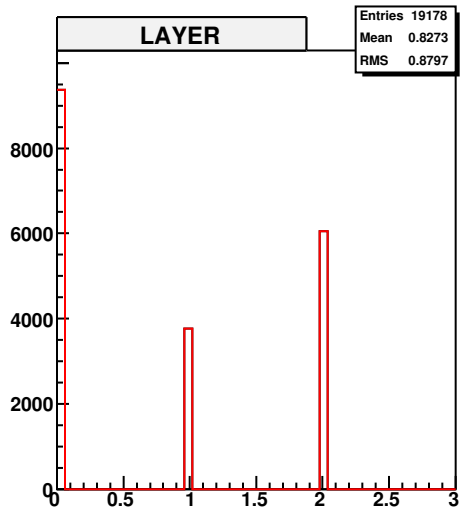


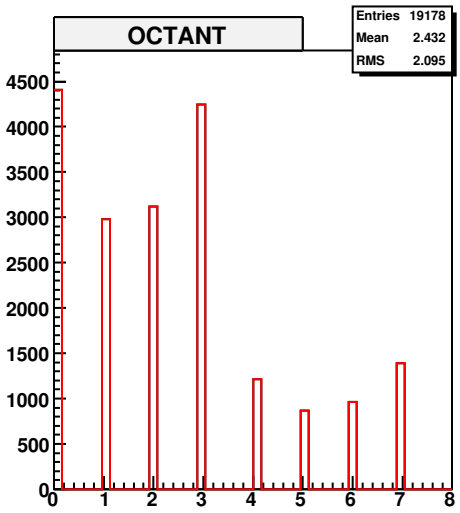


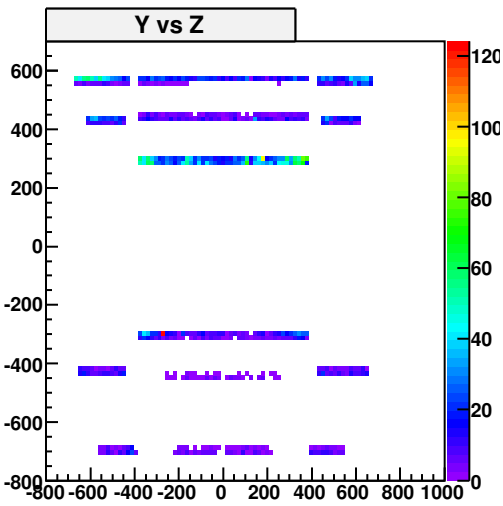


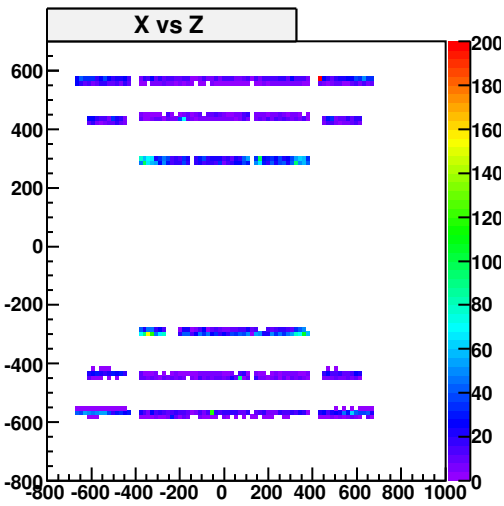
CFT ADC Summary (All Clusters)

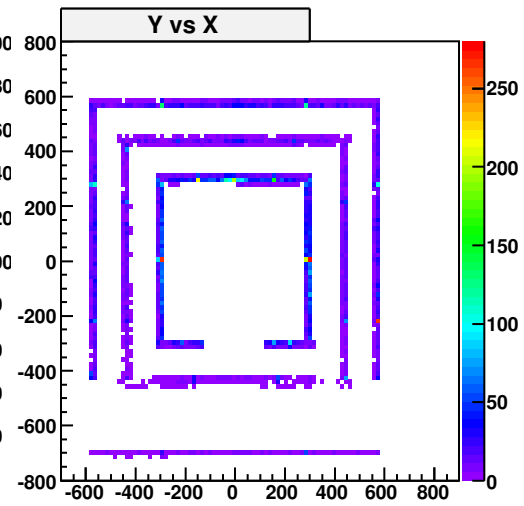

N
Entries 1547
Mean 12.33
RMS 8.031

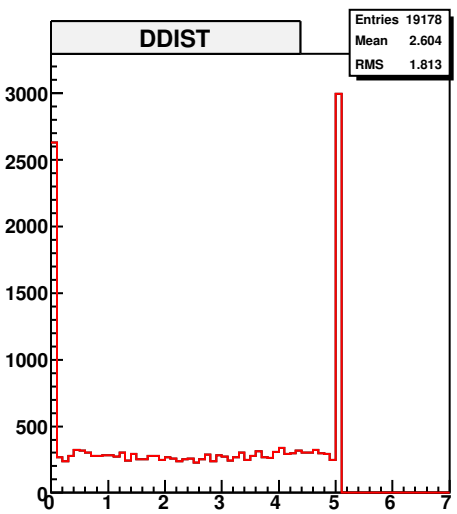

LAYER
Entries 19178
Mean 0.8273
RMS 0.8797

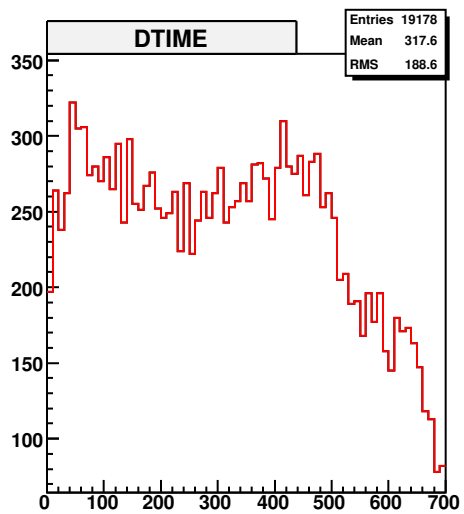

OCTANT
Entries 19178
Mean 2.432
RMS 2.095


Y vs Z

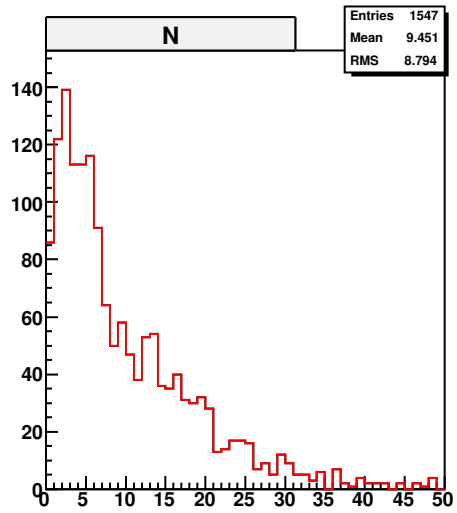

X vs Z

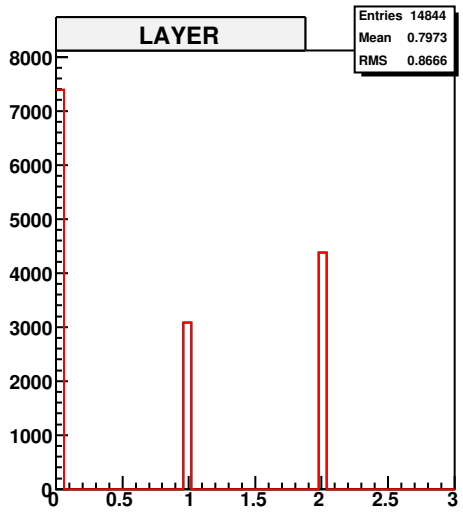

Y vs X

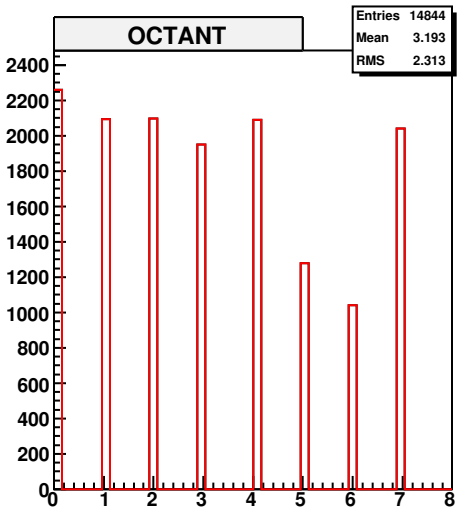

DDIST
Entries 19178
Mean 2.604
RMS 1.813

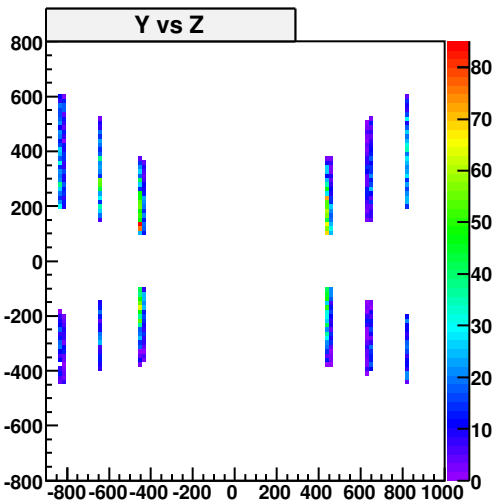

DTIME
Entries 19178
Mean 317.6
RMS 188.6

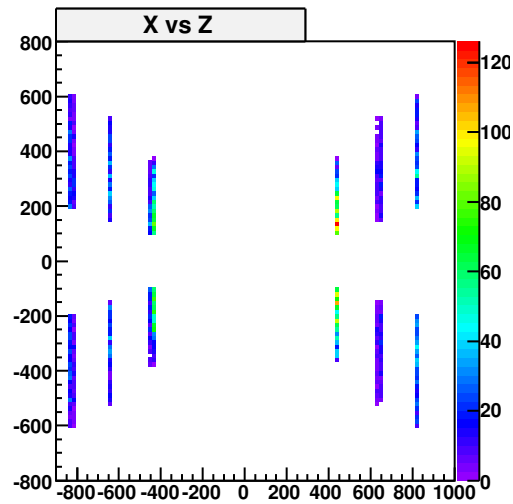
MuonPDT (All)

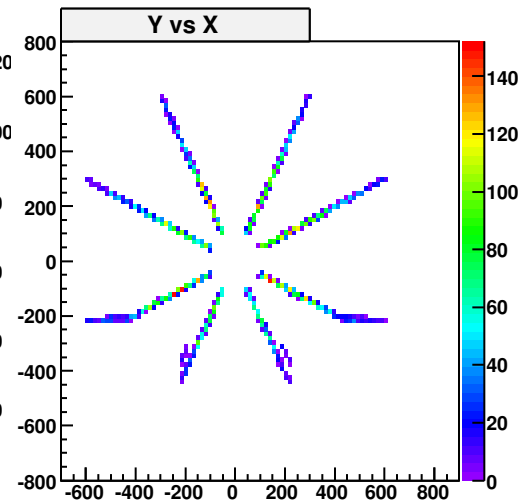

N
Entries 1547
Mean 9.451
RMS 8.794

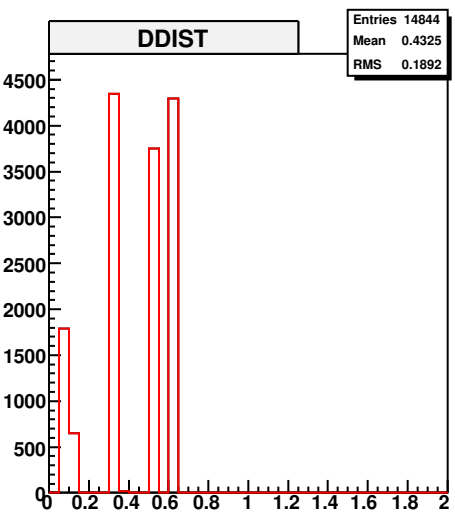

LAYER
Entries 14844
Mean 0.7973
RMS 0.8666

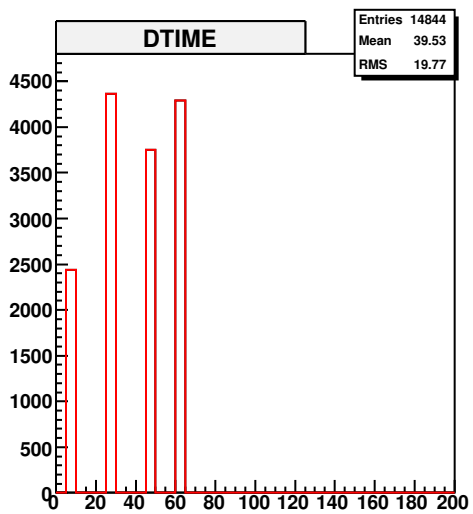

OCTANT
Entries 14844
Mean 3.193
RMS 2.313


Y vs Z

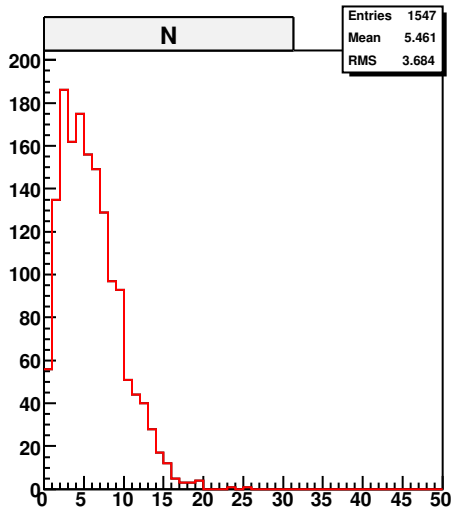

X vs Z

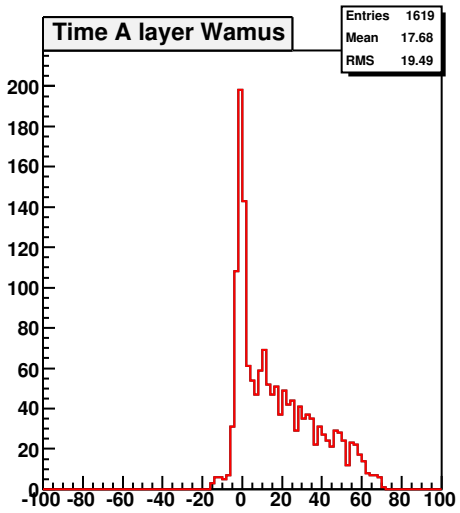

Y vs X

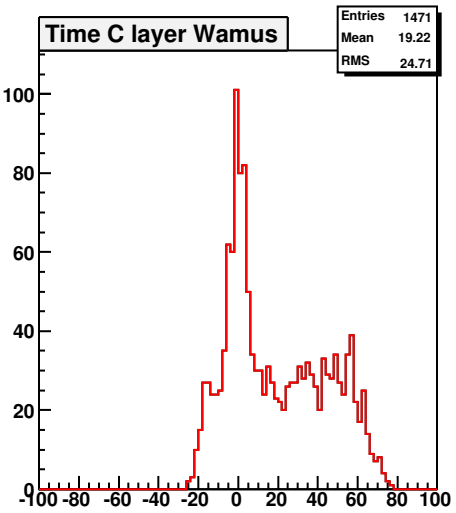

DDIST
Entries 14844
Mean 0.4325
RMS 0.1892

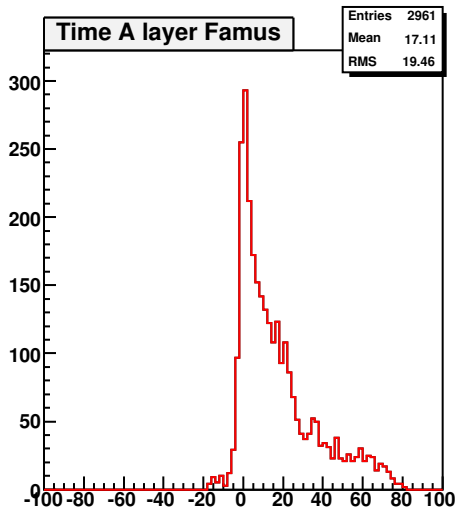

DTIME
Entries 14844
Mean 39.53
RMS 19.77

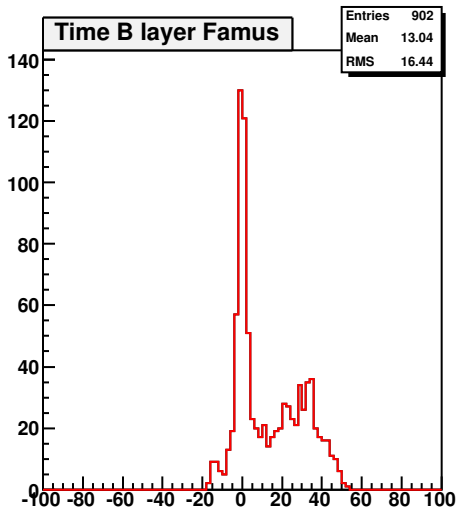
MuonMDT (All)

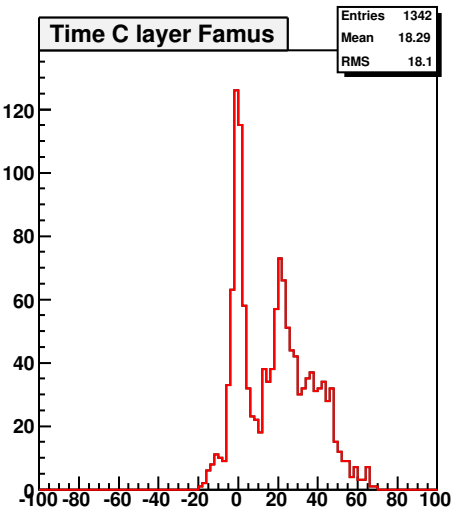

N
Entries 1547
Mean 5.461
RMS 3.684

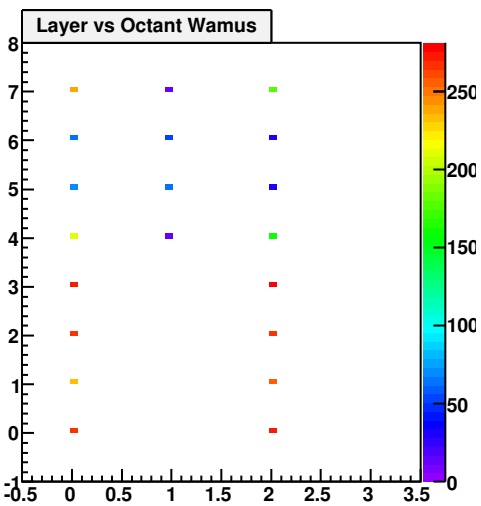

Time A layer Wamus
Entries 1619
Mean 17.68
RMS 19.49

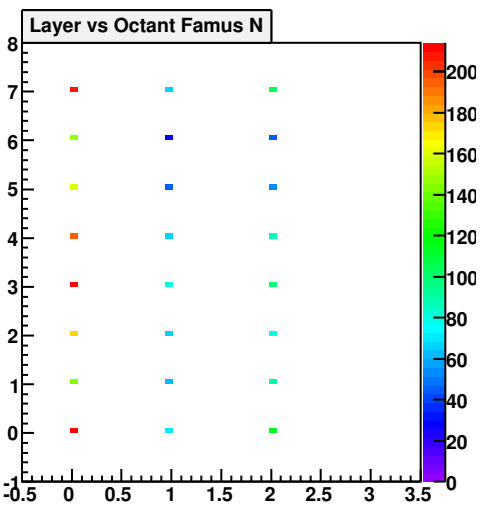

Time C layer Wamus
Entries 1471
Mean 19.22
RMS 24.71

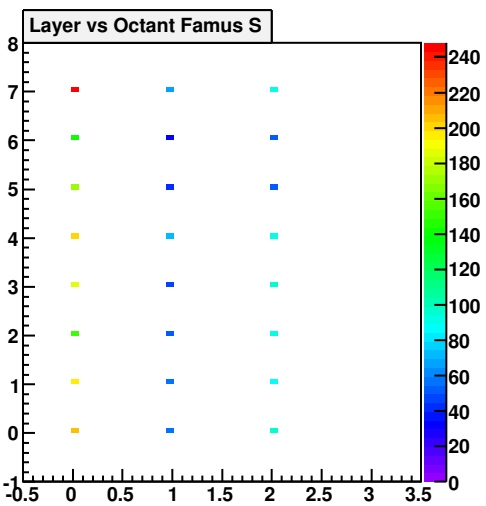

Time A layer Famus
Entries 2961
Mean 17.11
RMS 19.46


Time B layer Famus
Entries 902
Mean 13.04
RMS 16.44

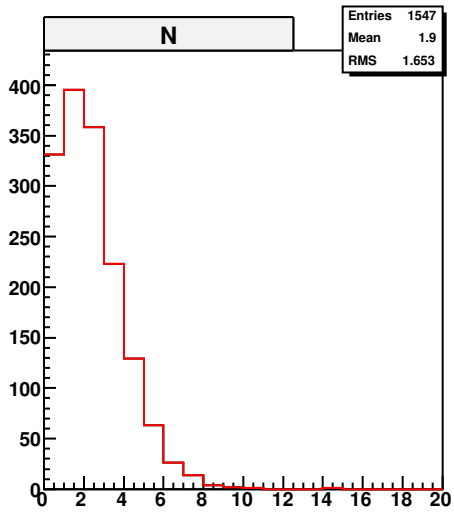

Time C layer Famus
Entries 1342
Mean 18.29
RMS 18.1

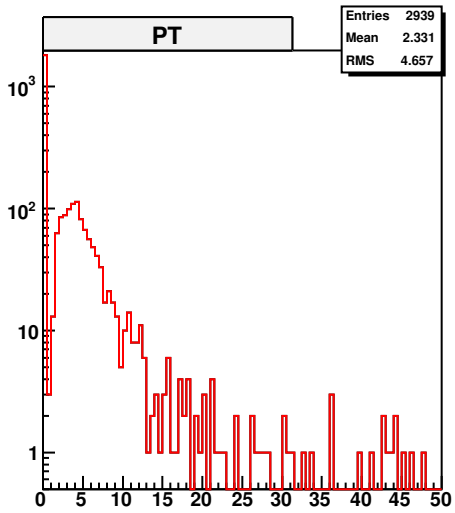

Layer vs Octant Wamus

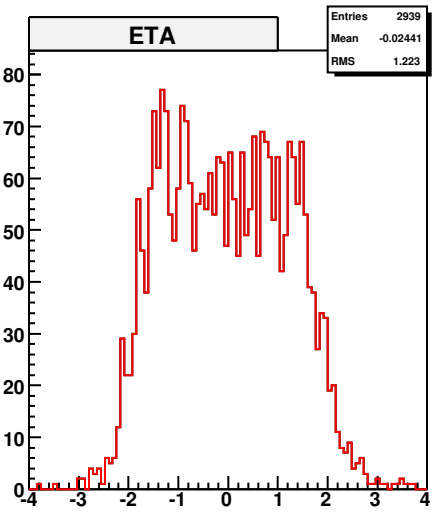

Layer vs Octant Famus N

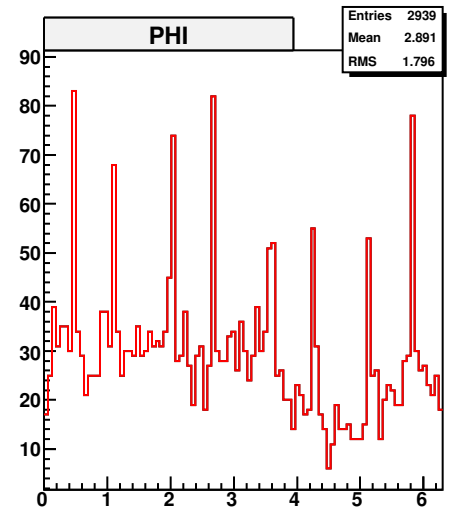

Layer vs Octant Famus S

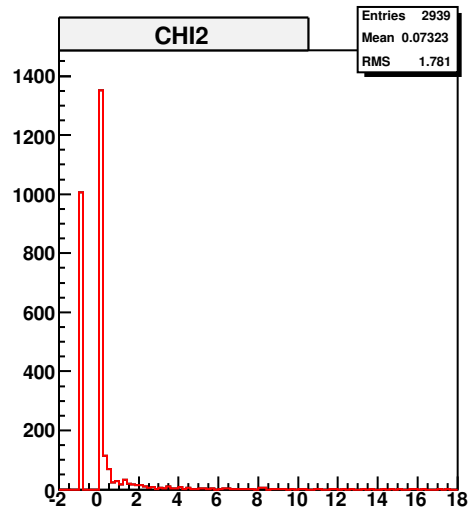
MuonMSC (All)

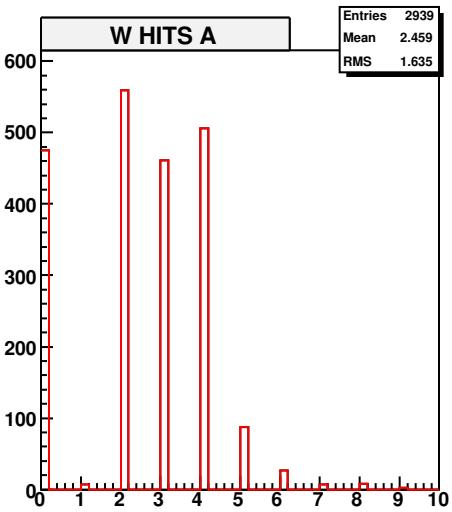


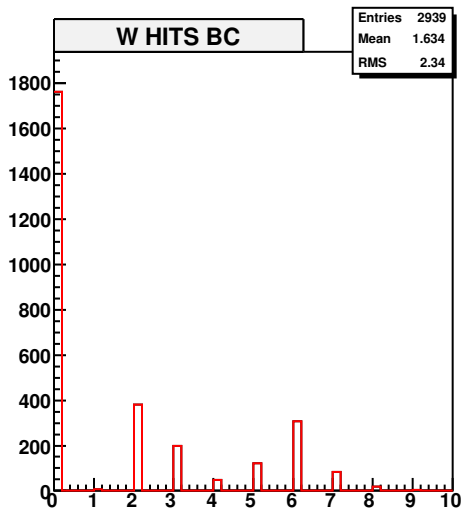


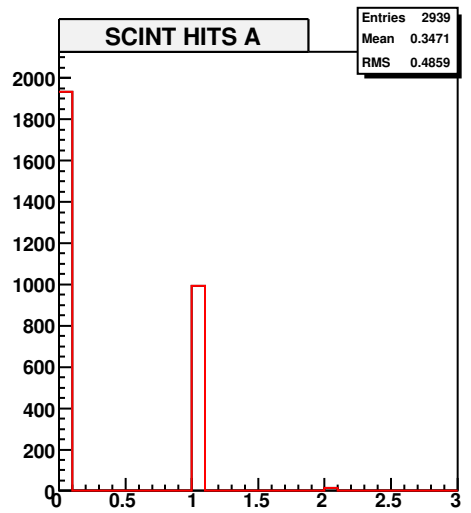


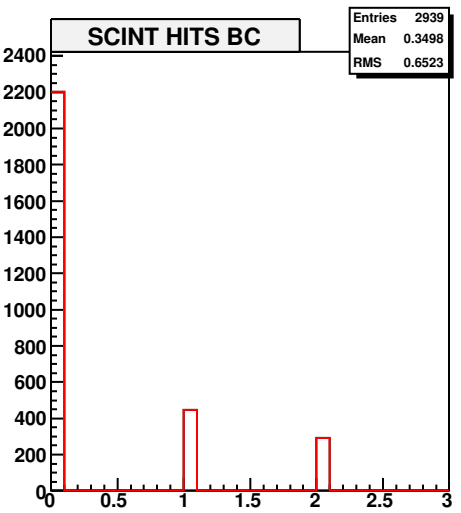




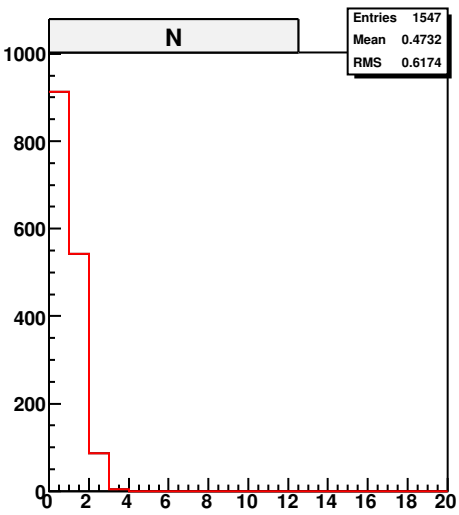


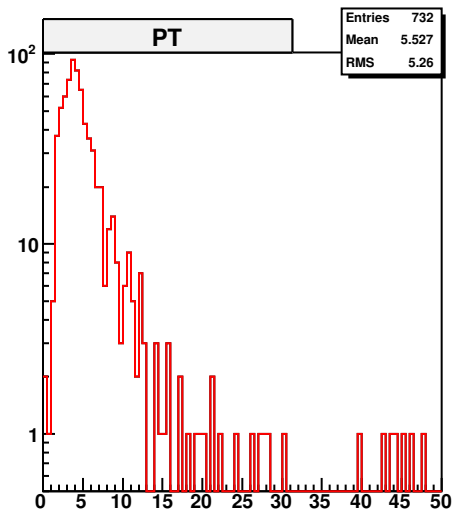


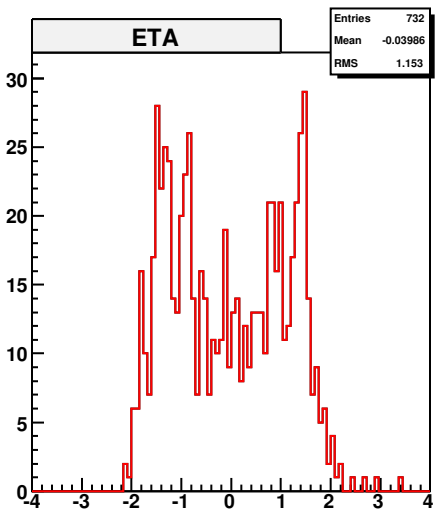


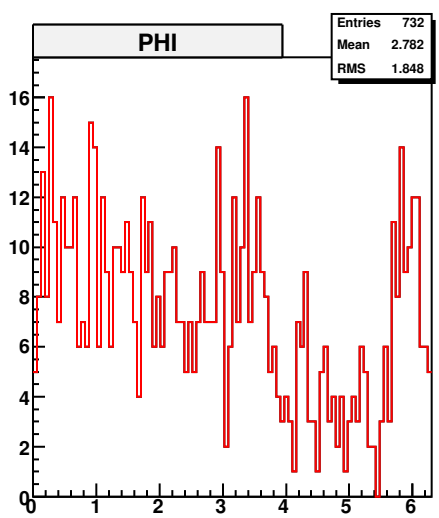


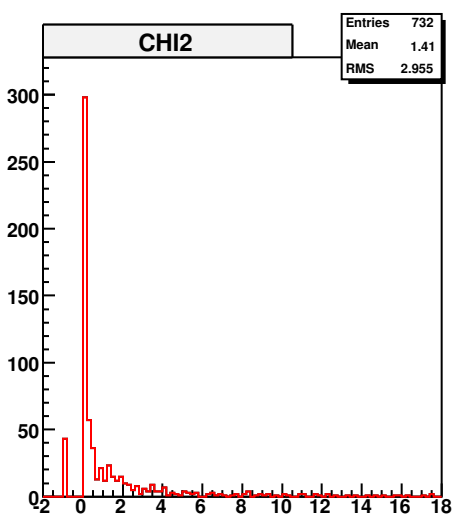
Muon Local Tracks (All)

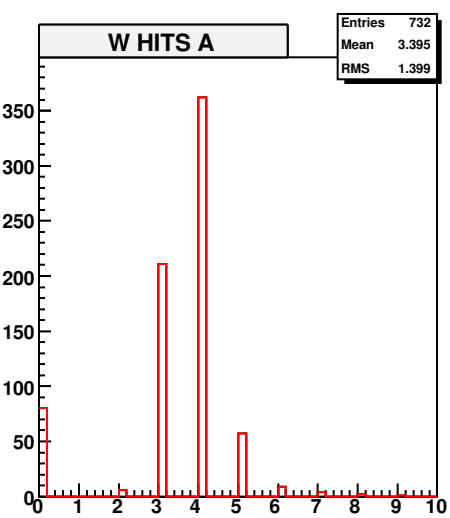


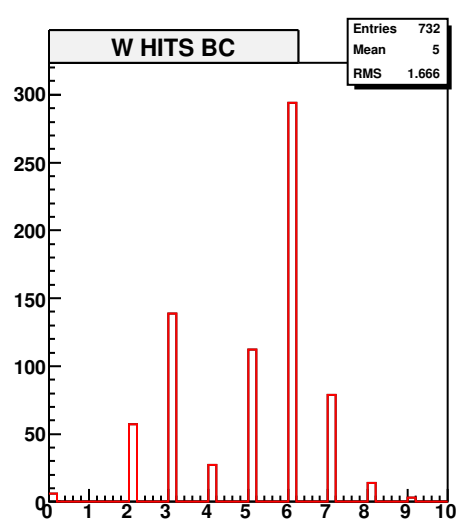


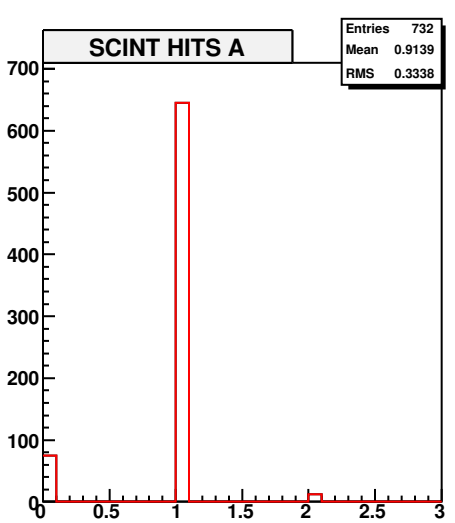


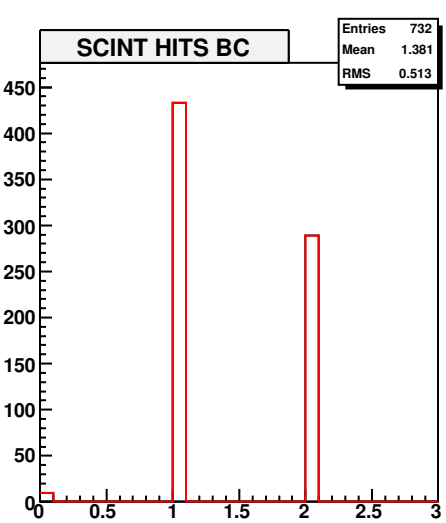




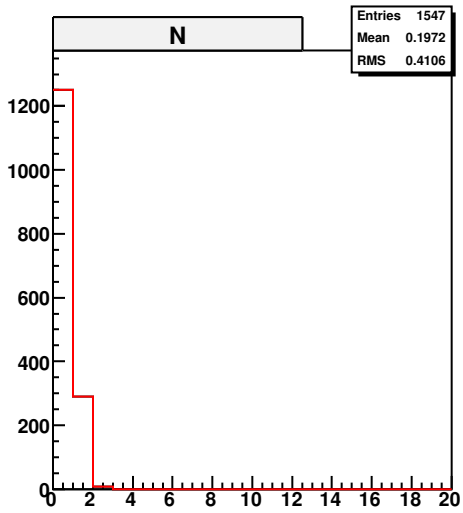


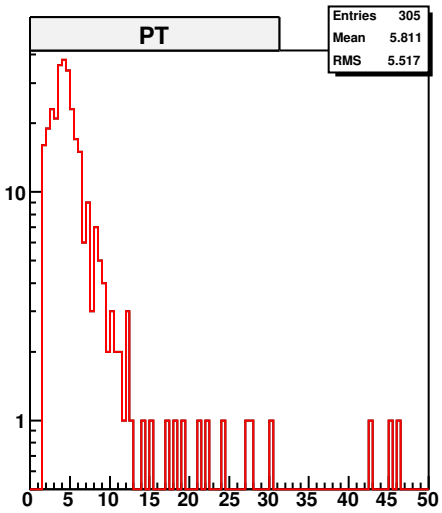


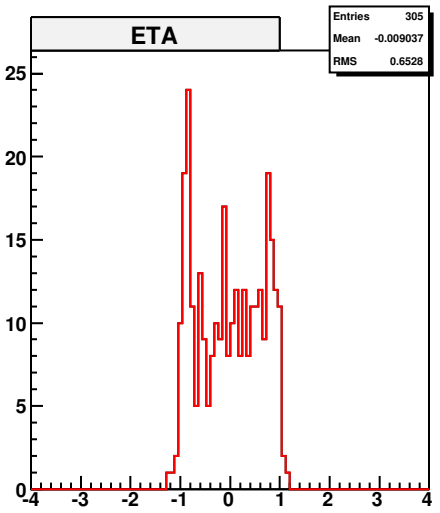


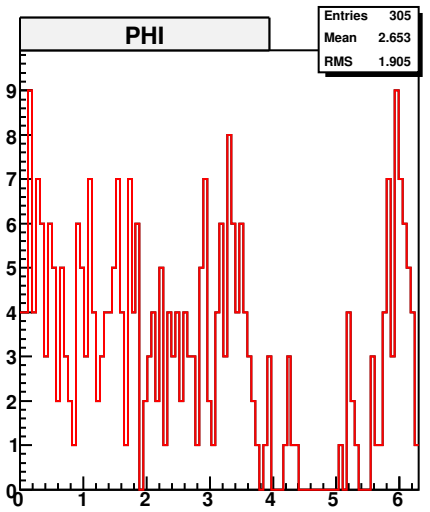


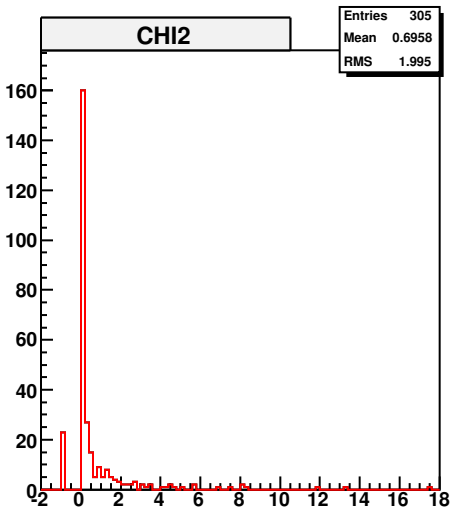
Muon Local Tracks (LooseWamus)

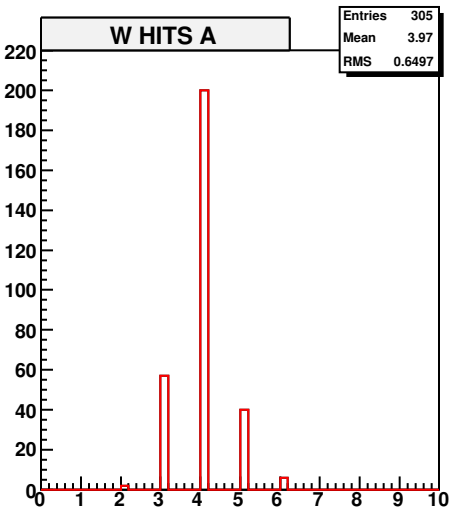


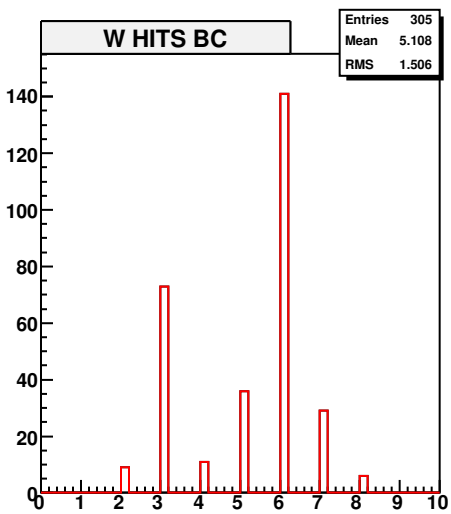


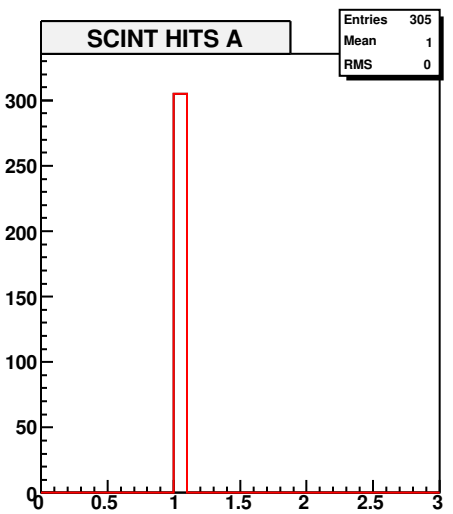


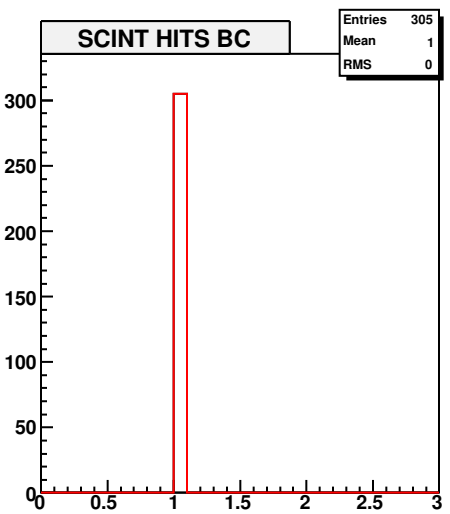




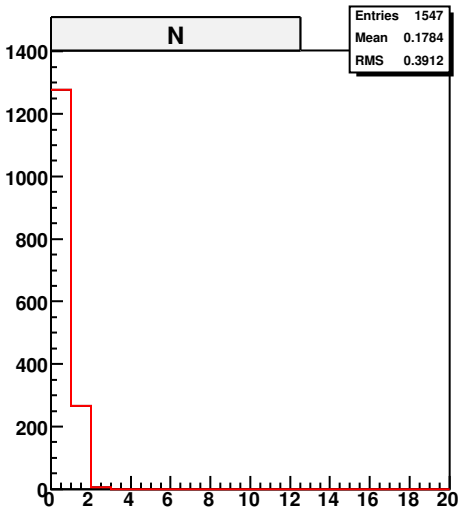


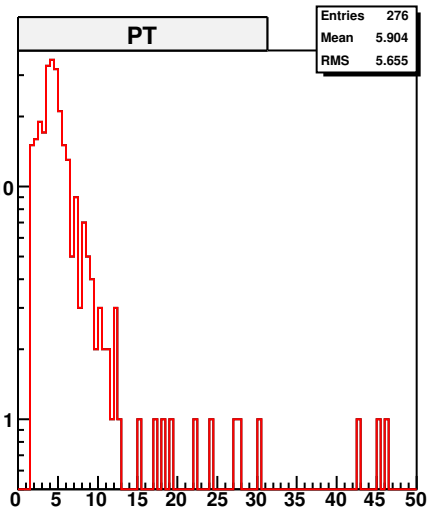


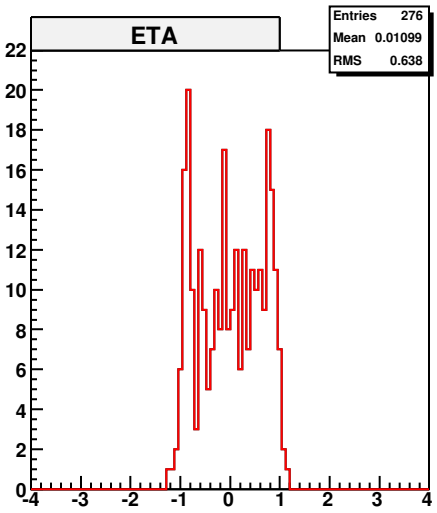


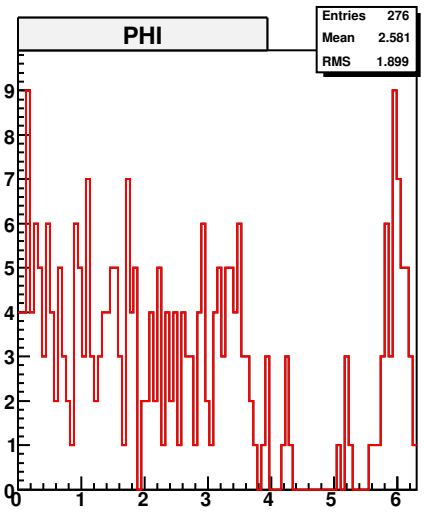


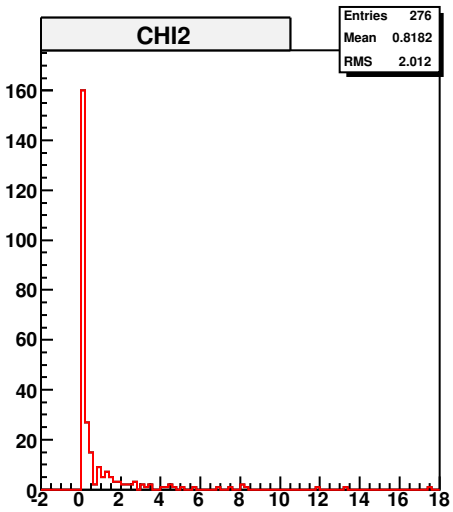
Muon Local Tracks (MediumWamus)

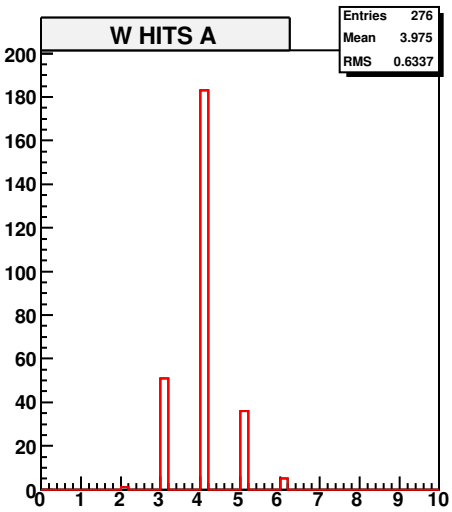


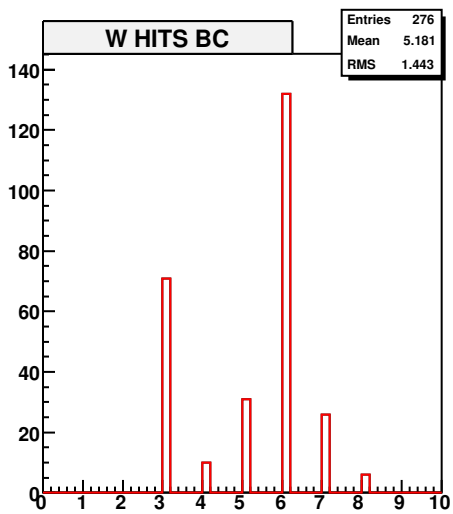


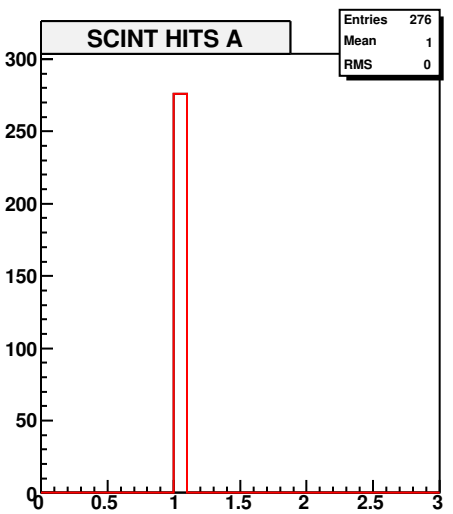


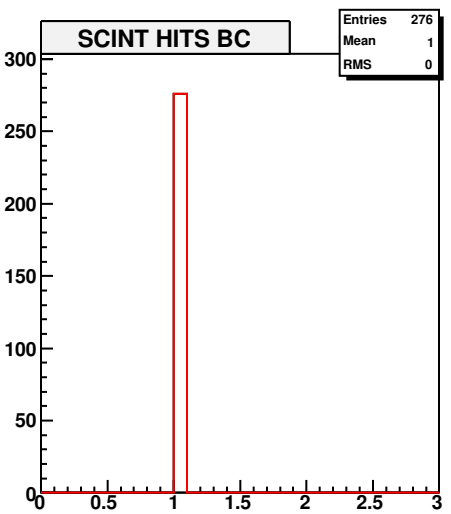




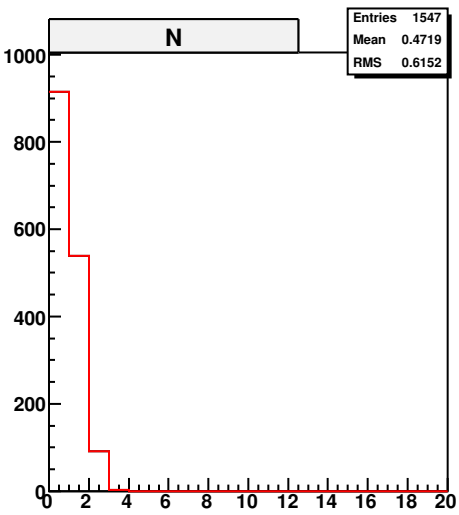


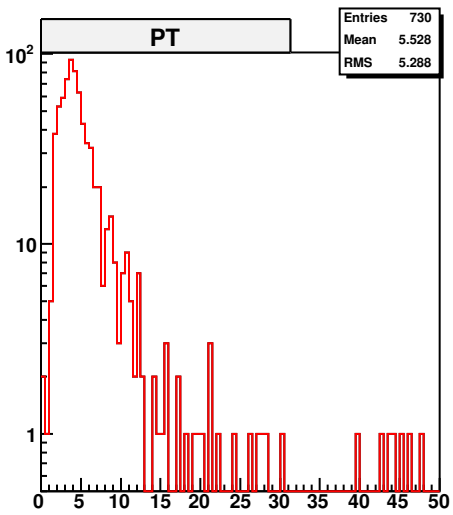


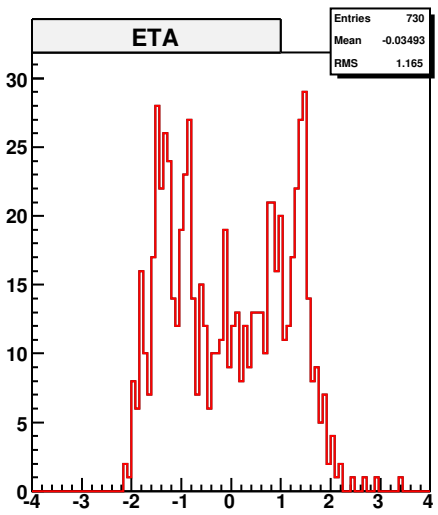


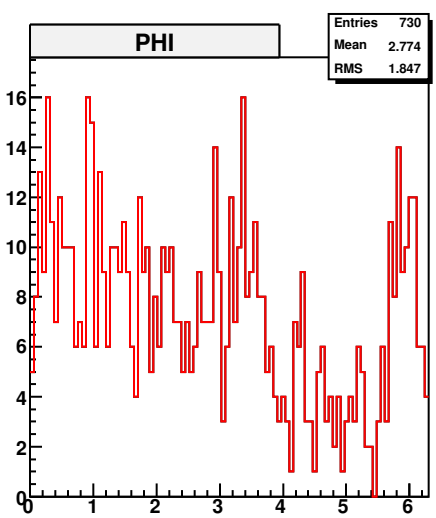


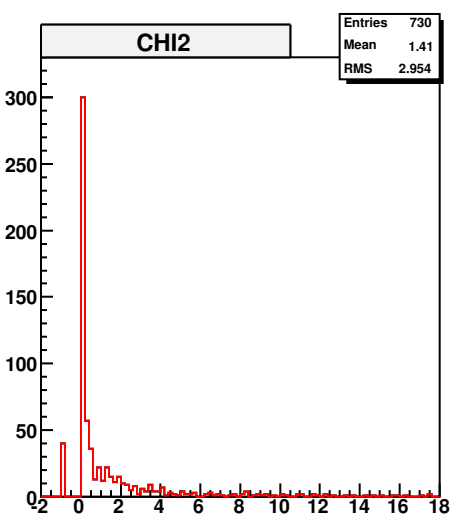
Muon Local Tracks (TightWamus)

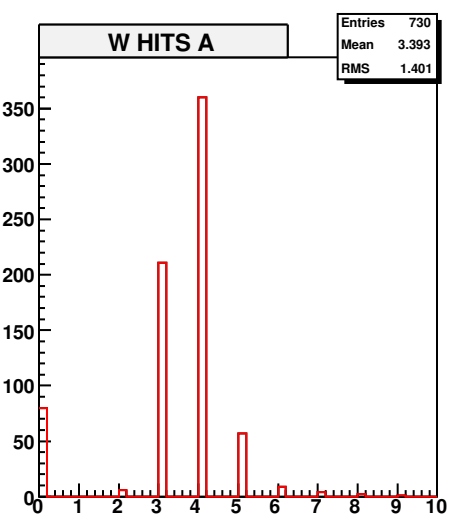


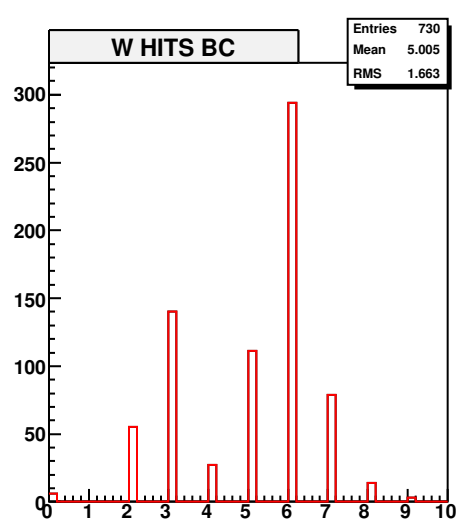


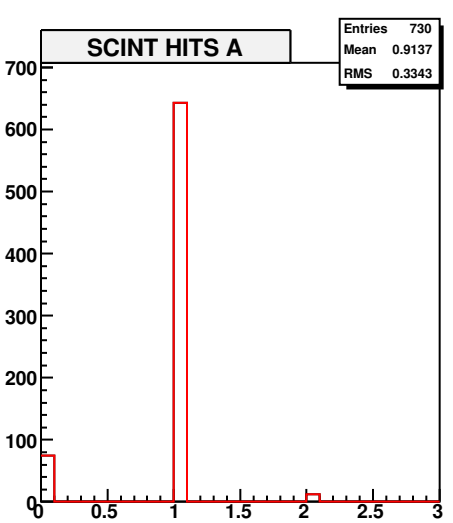


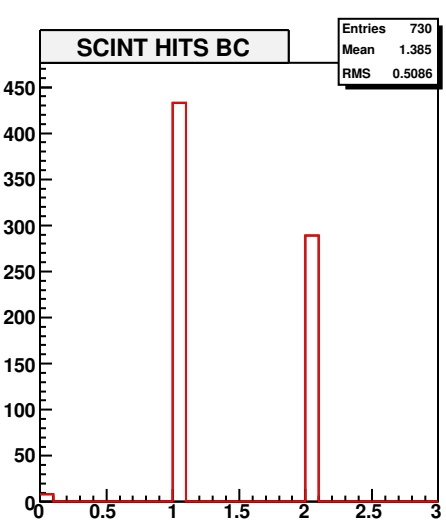




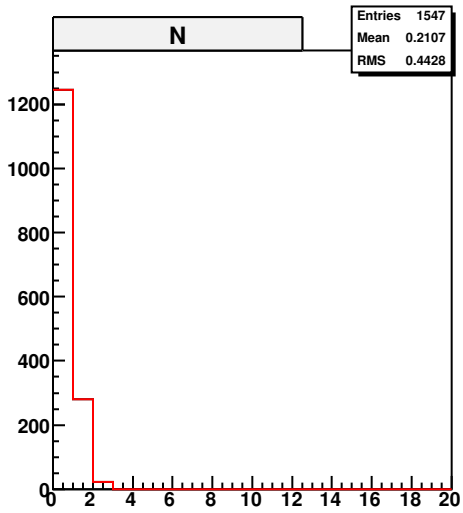


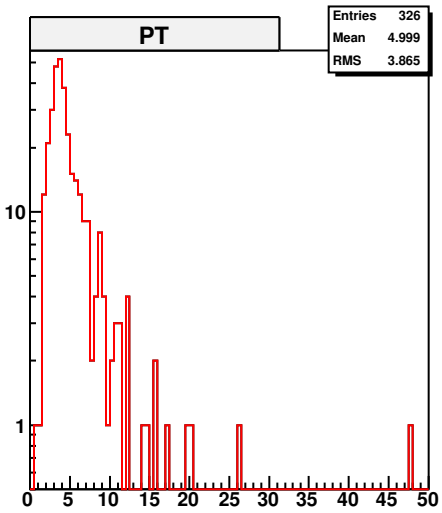


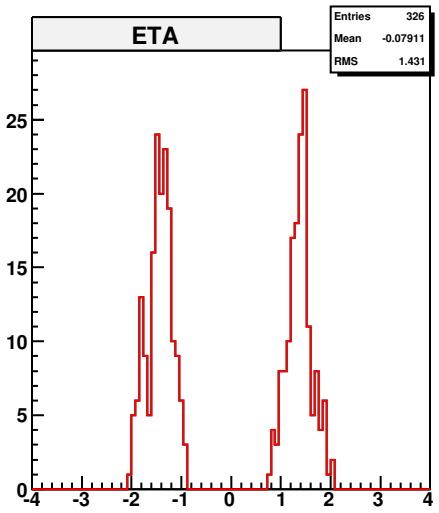


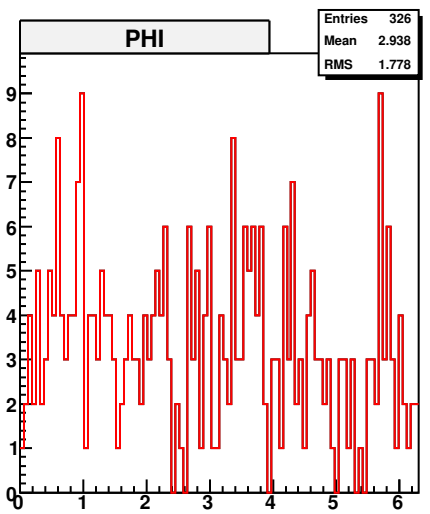


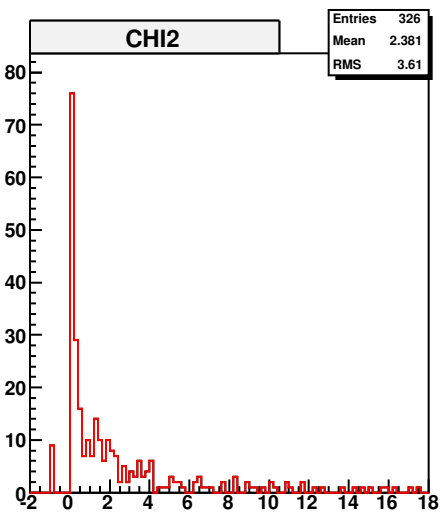
Muon Local Tracks (LooseFamus)

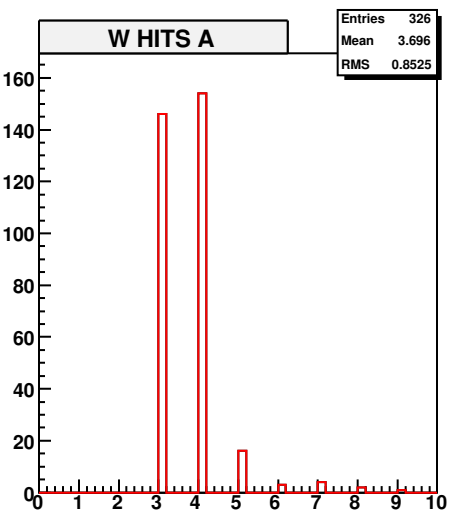


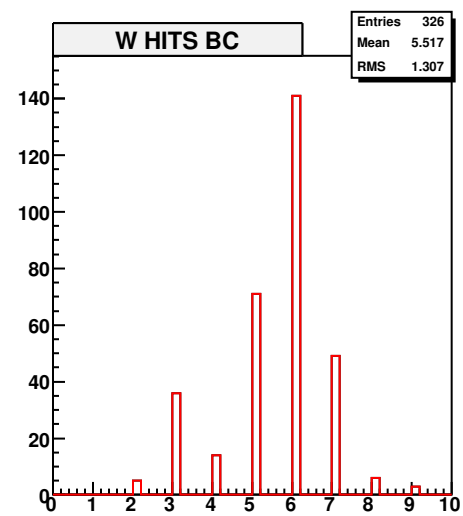


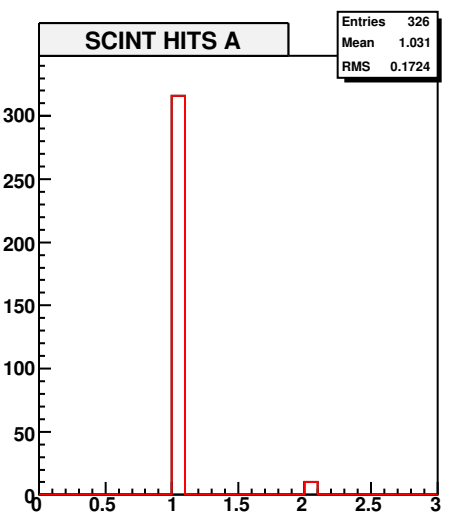


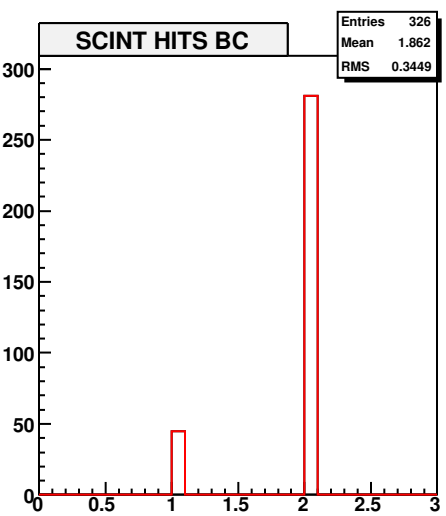




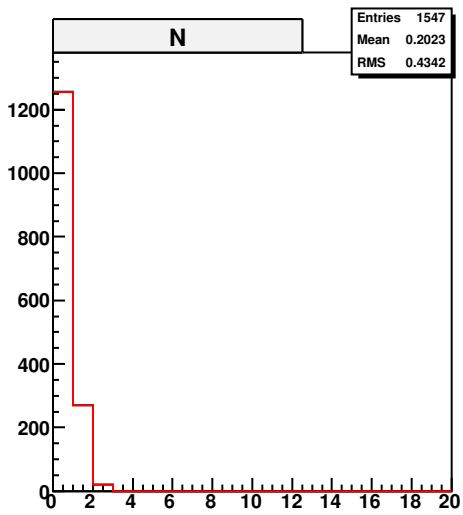


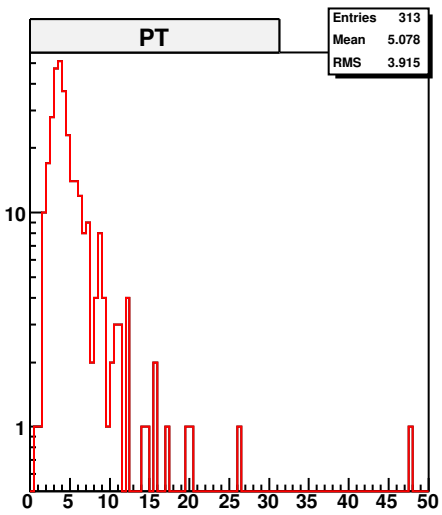


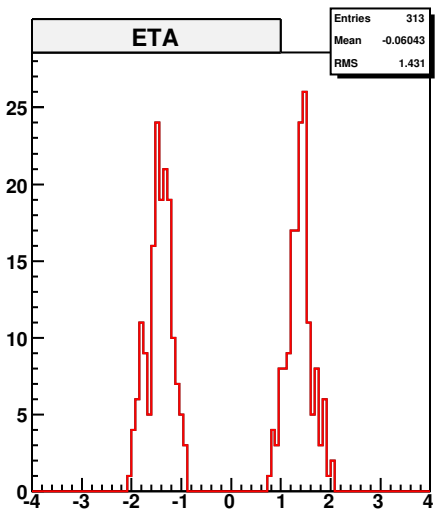


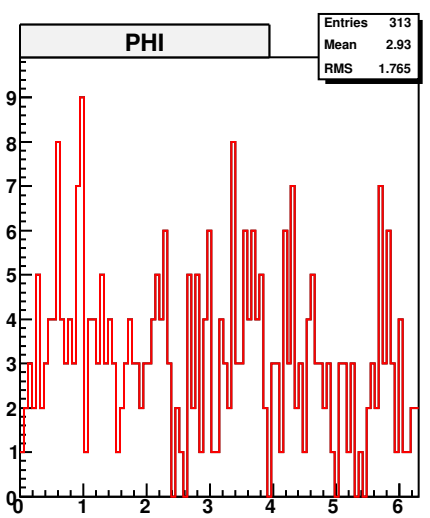


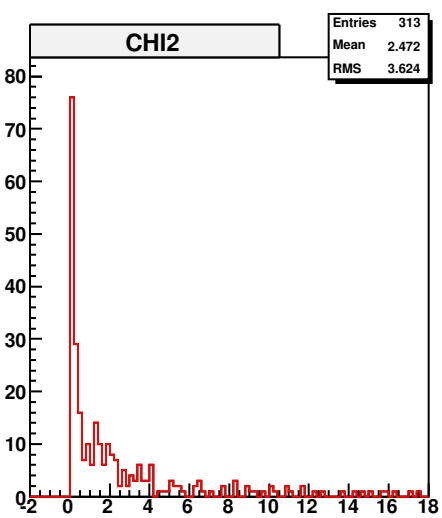
Muon Local Tracks (MediumFamus)

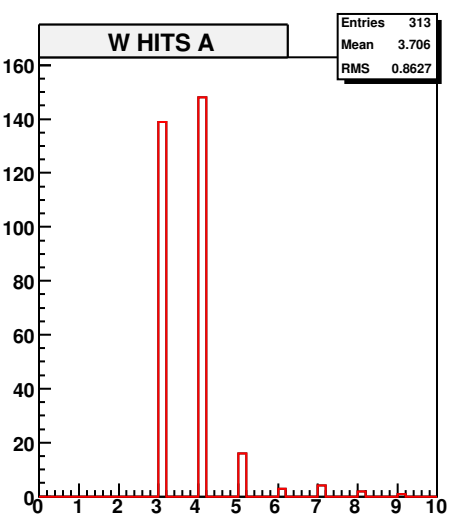


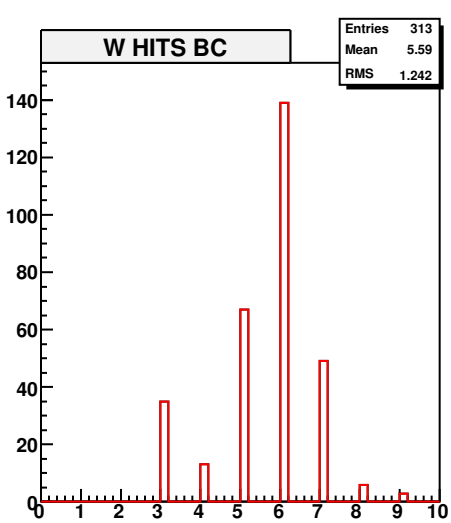


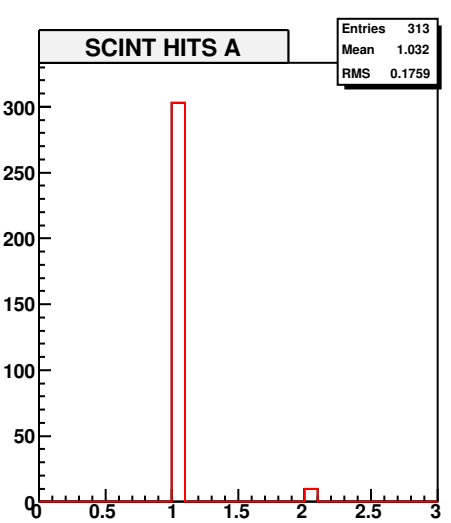


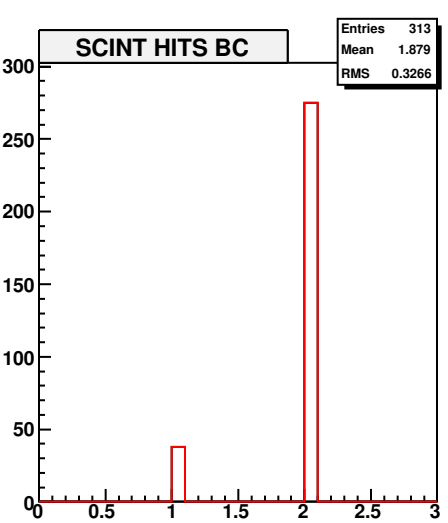




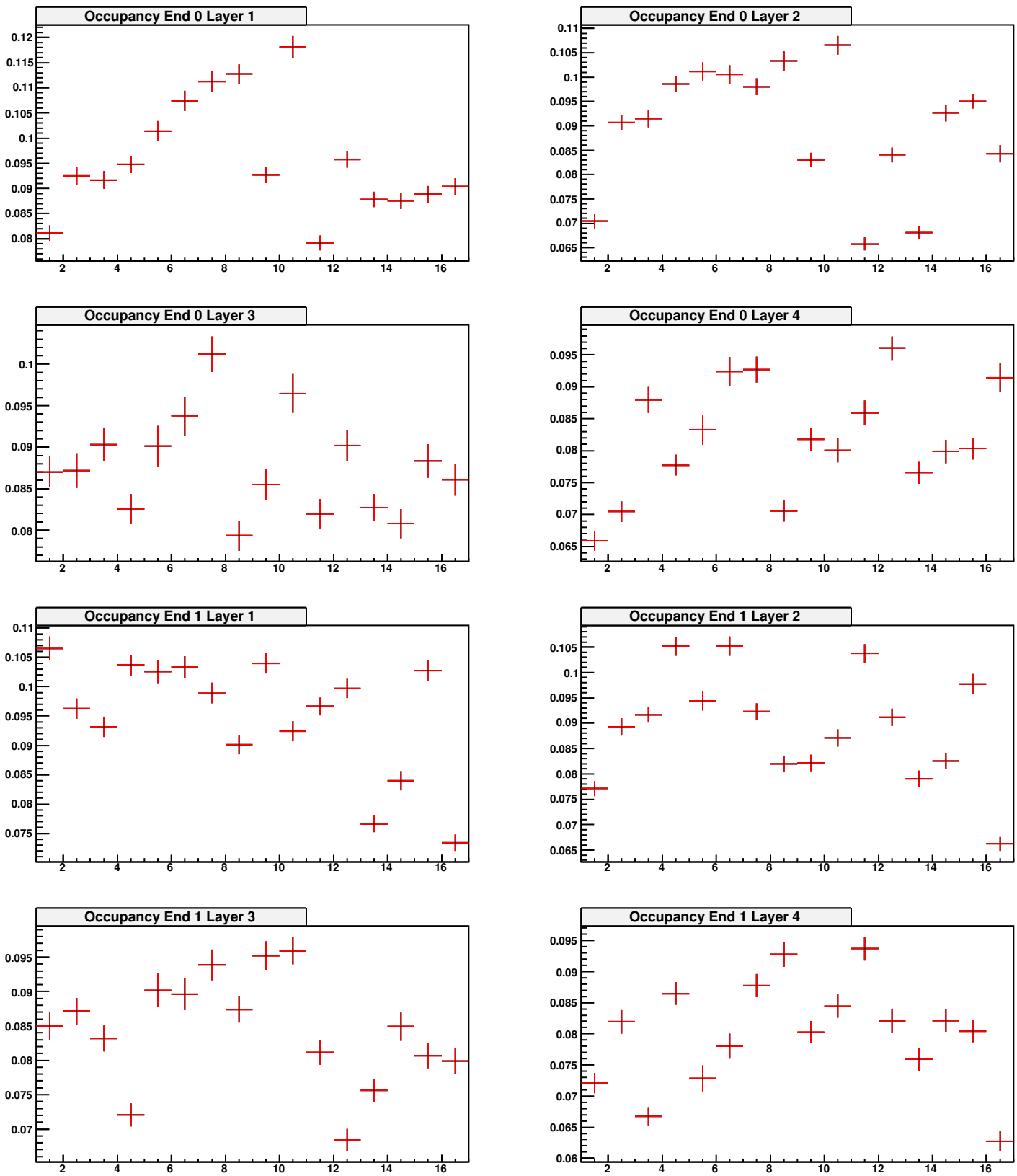




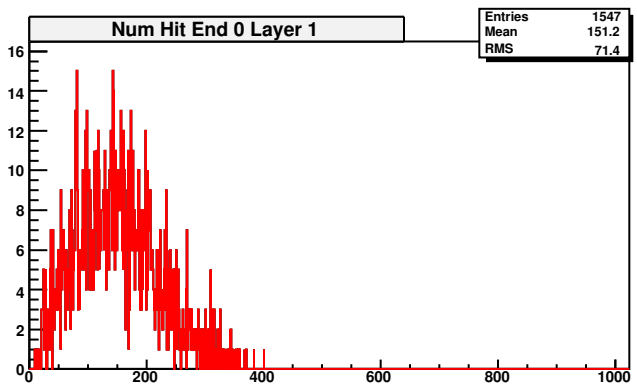


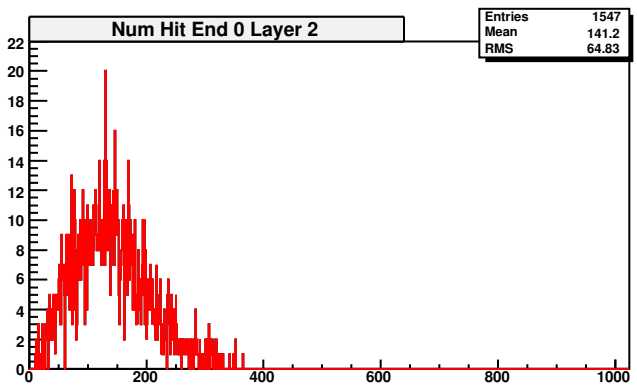


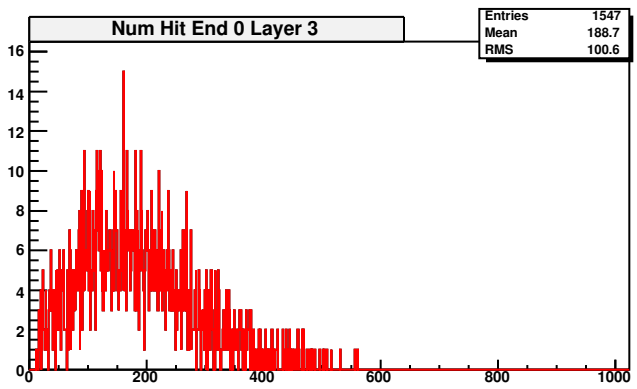
Muon Local Tracks (TightFamus)

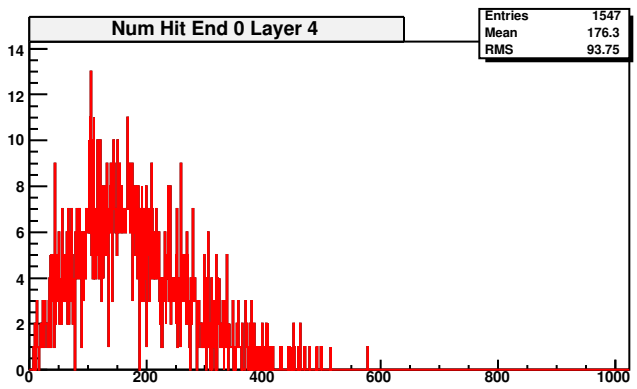


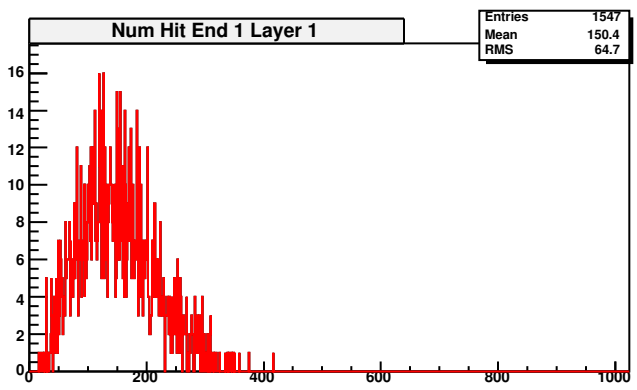
FPS Hit Occupancy (All)

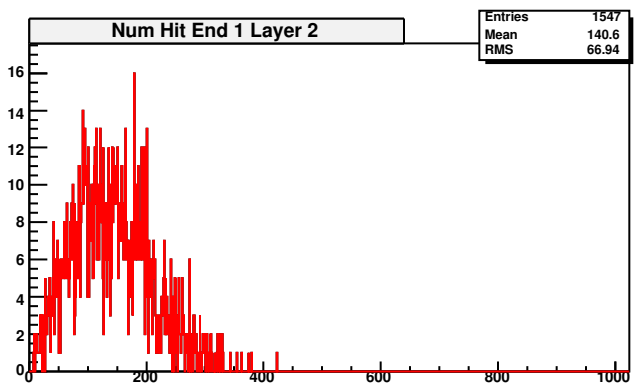


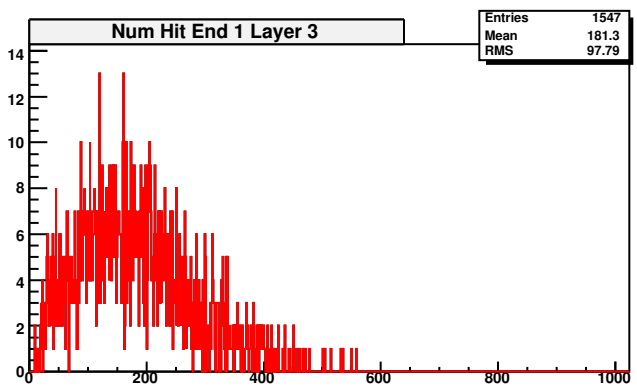


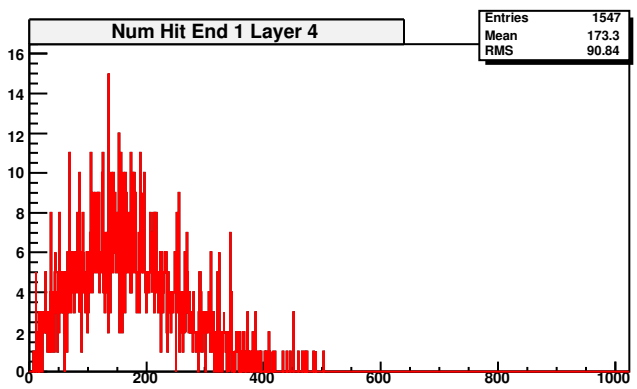




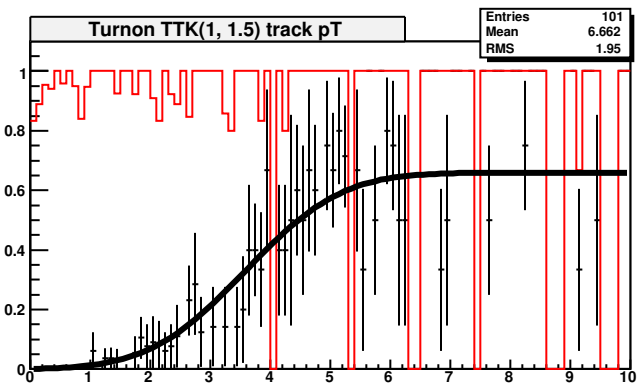


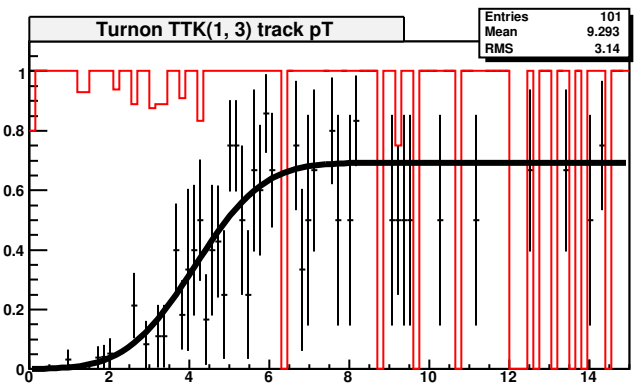


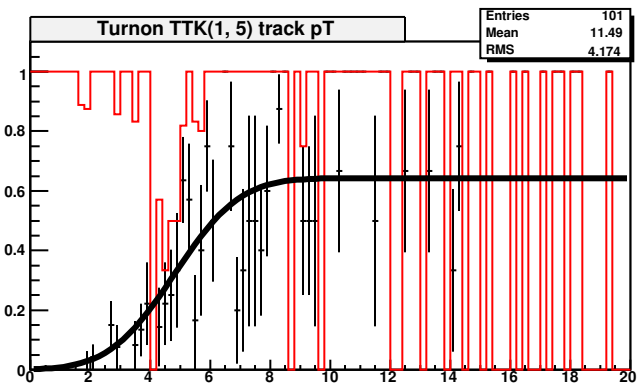


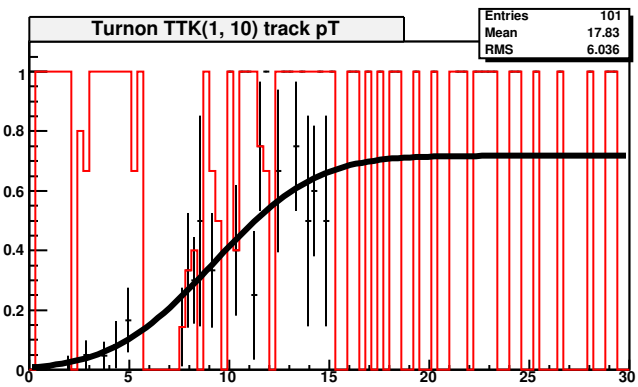


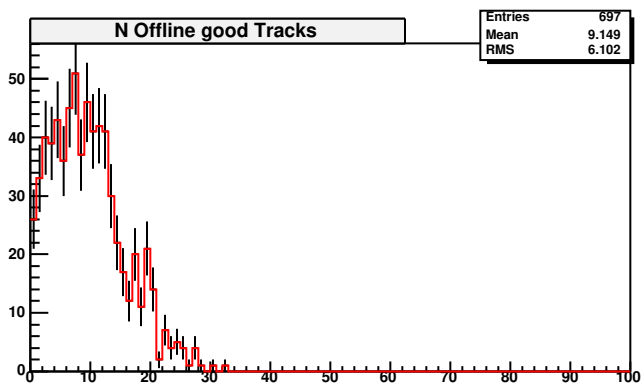
FPS Number of Hits (All)











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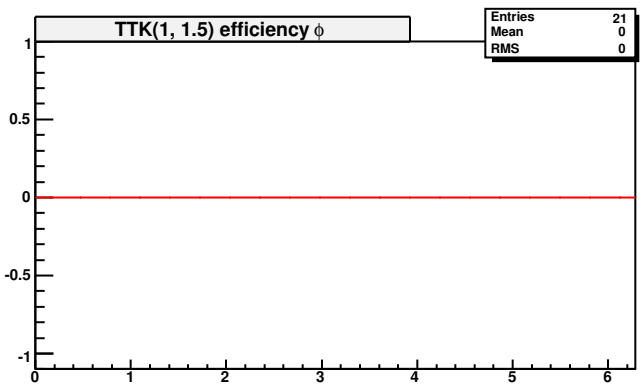
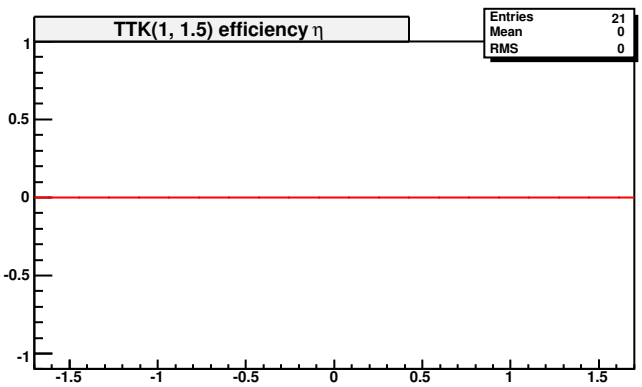
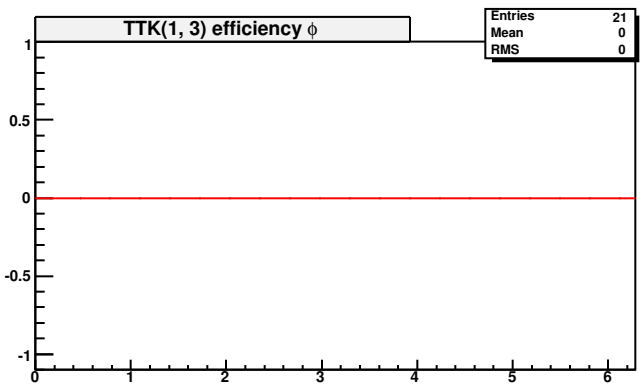
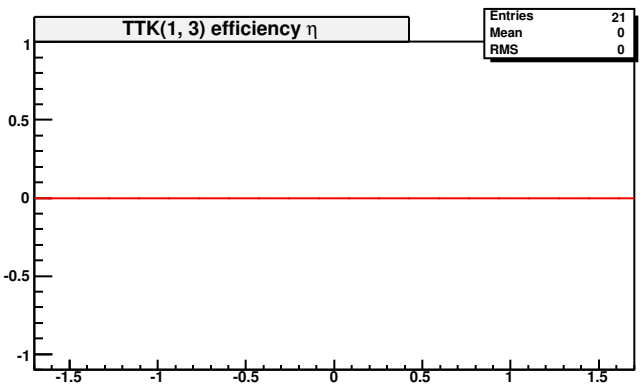
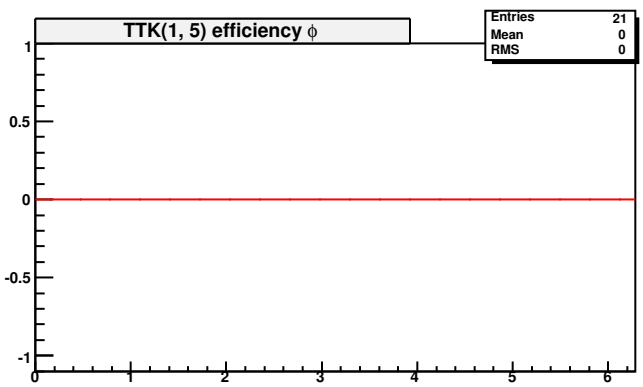
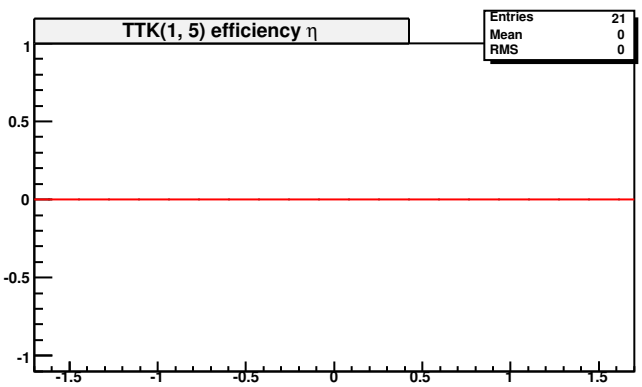


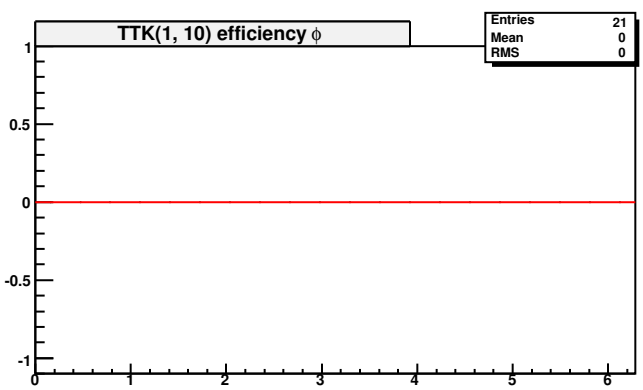


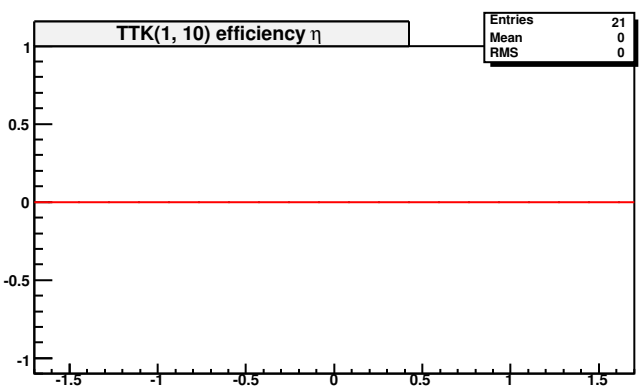




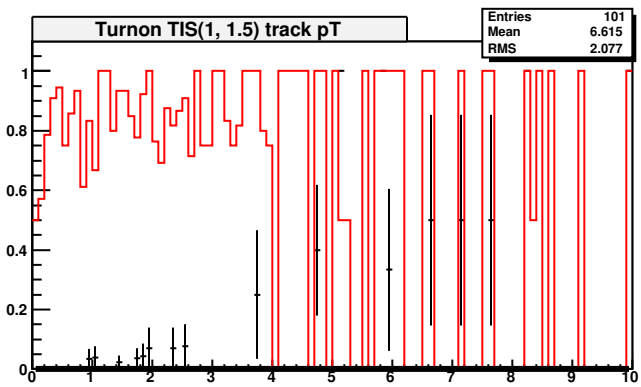


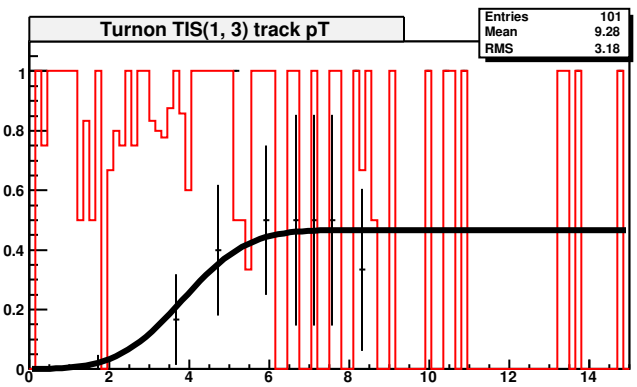


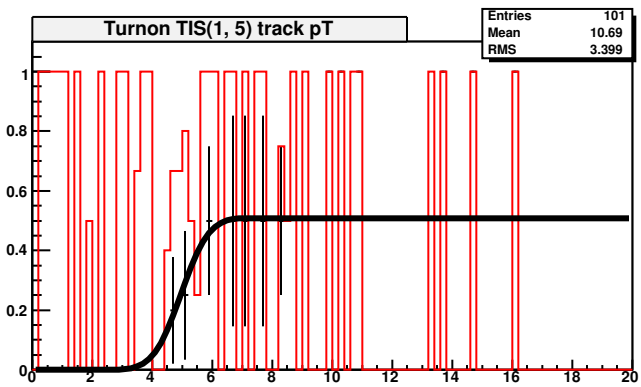


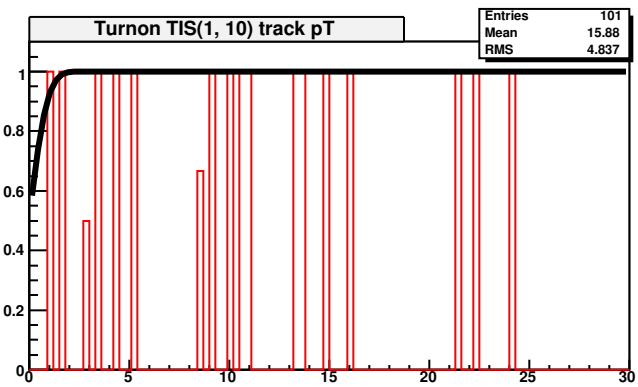


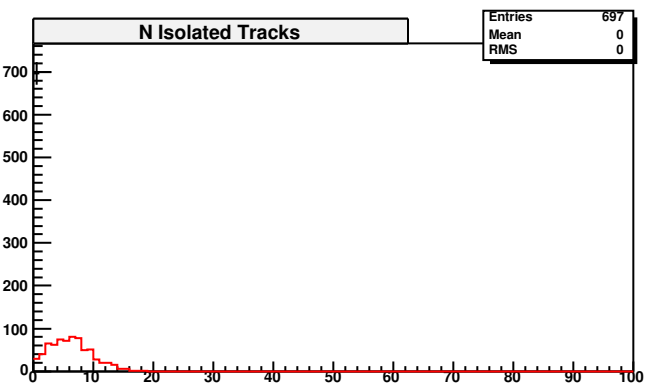
TTK phi/eta (L1CTT All)











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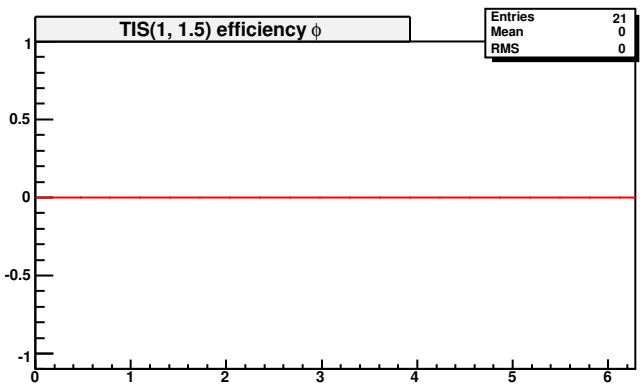

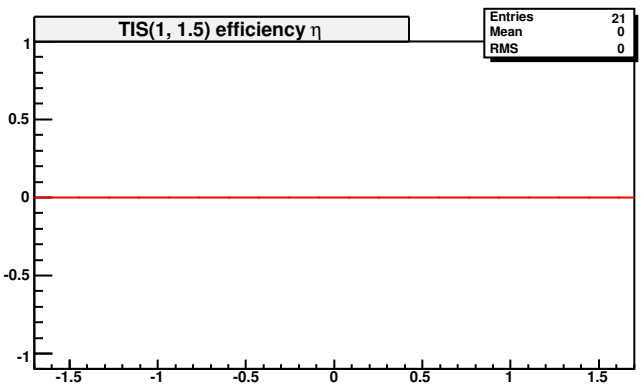

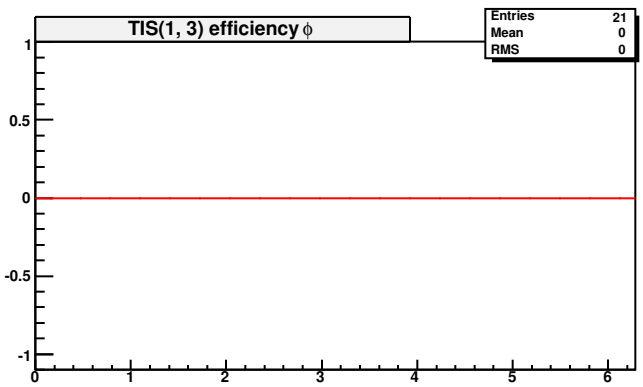

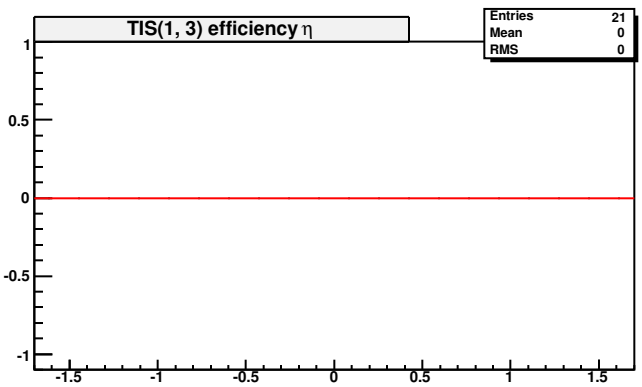

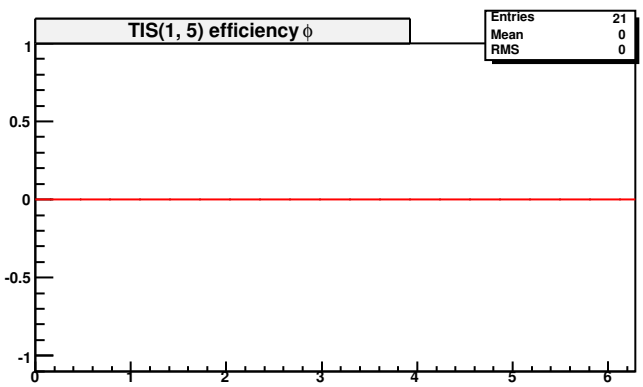

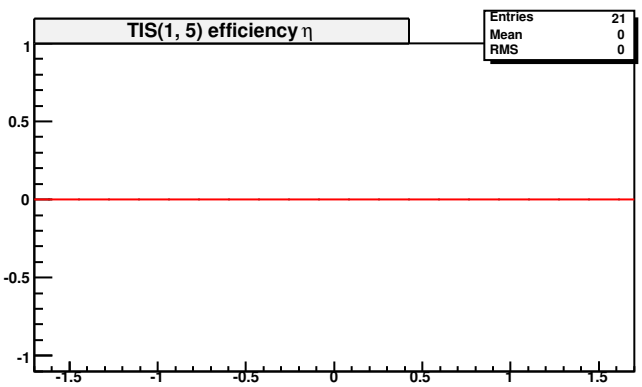

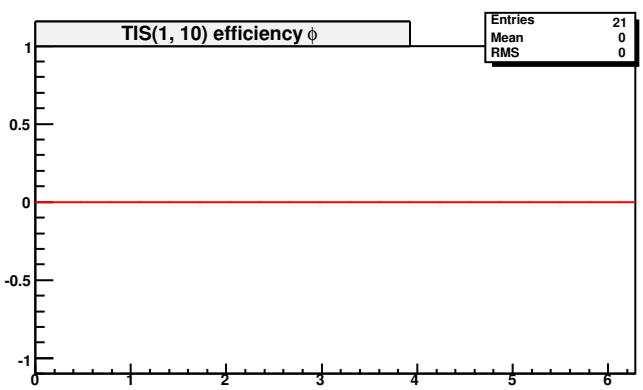

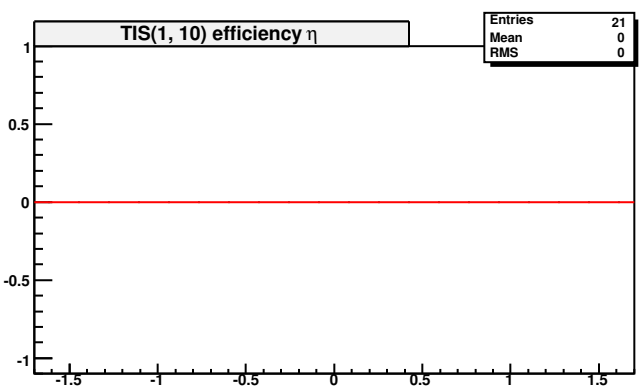

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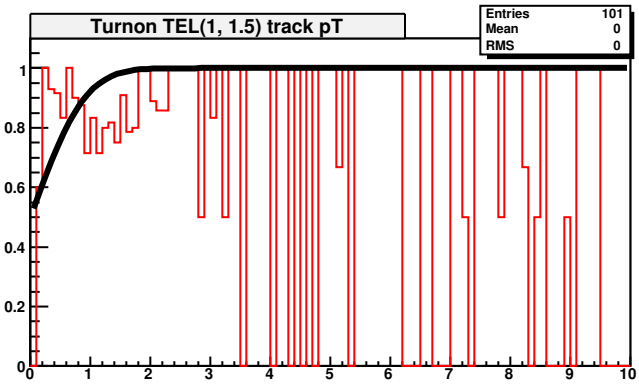

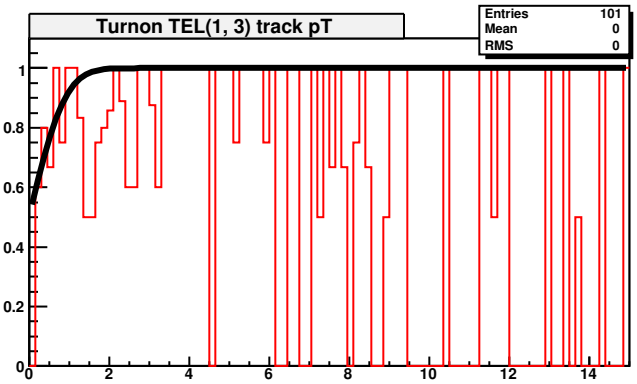

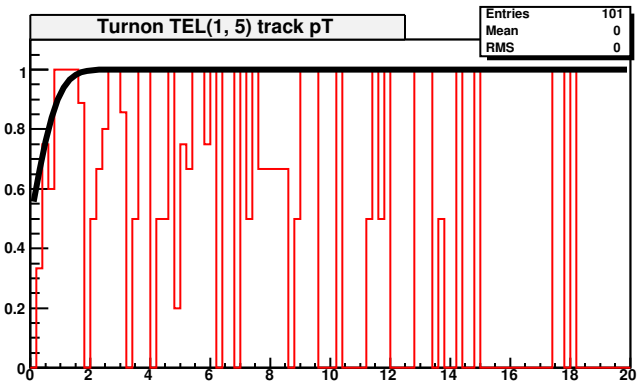

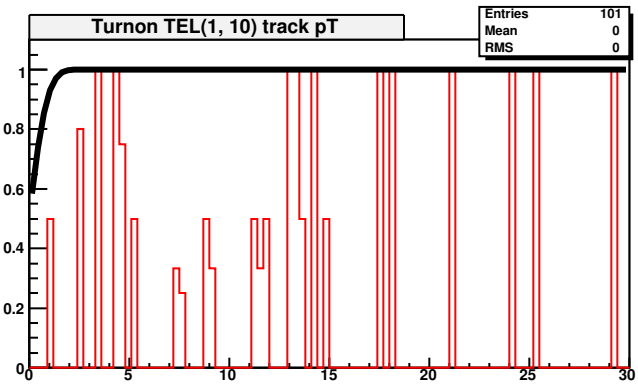

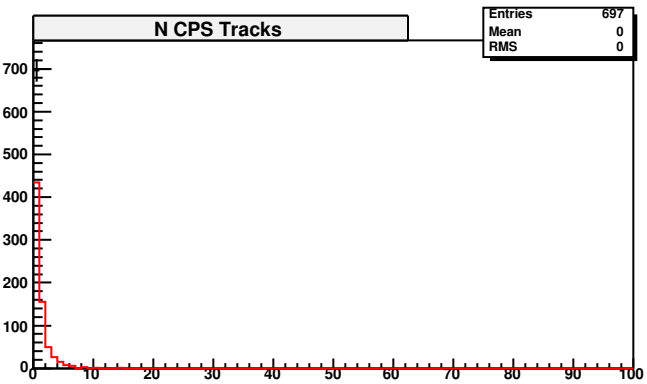

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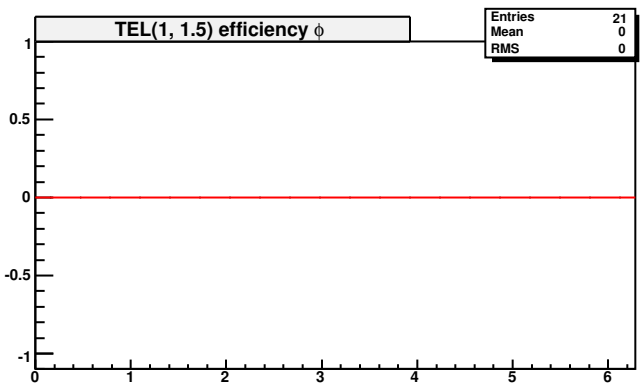

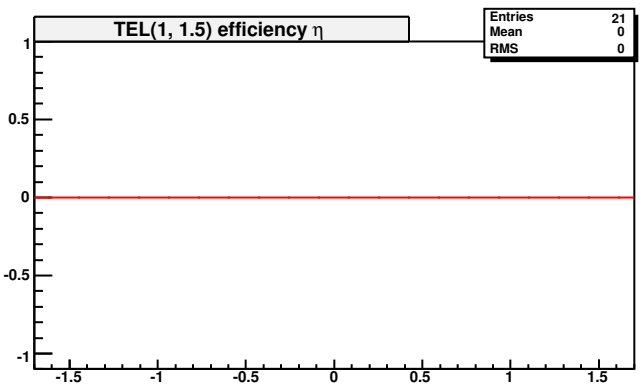

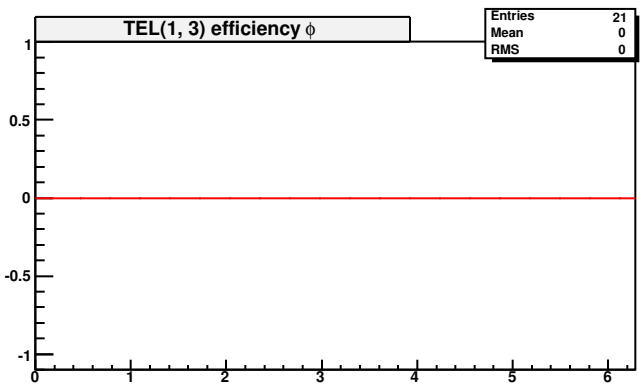

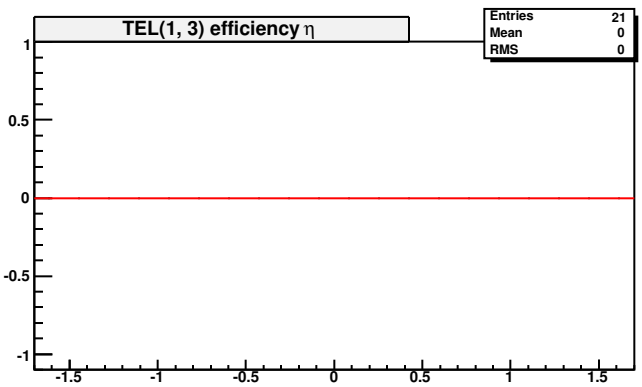

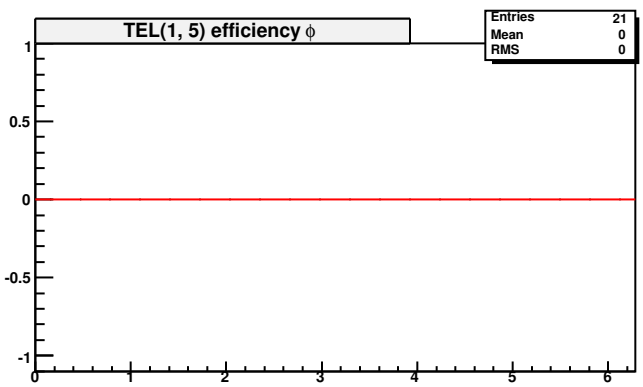

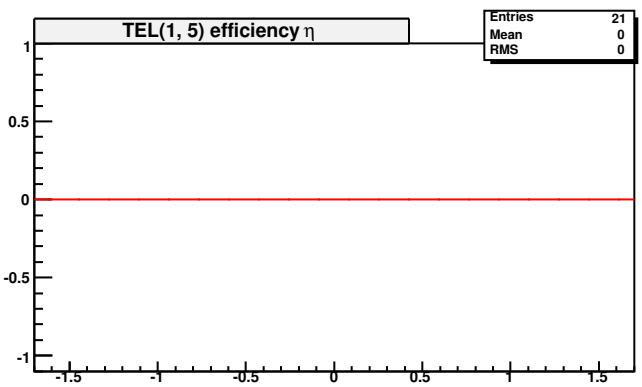

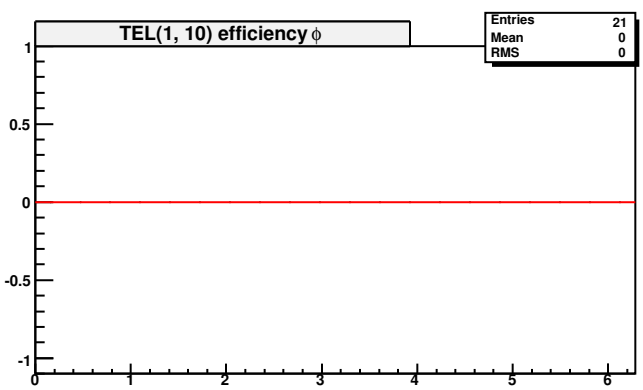

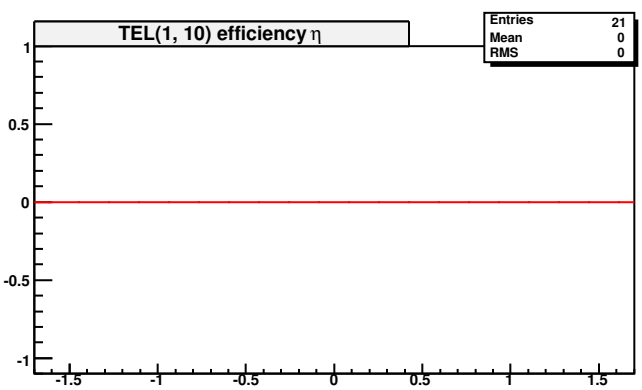

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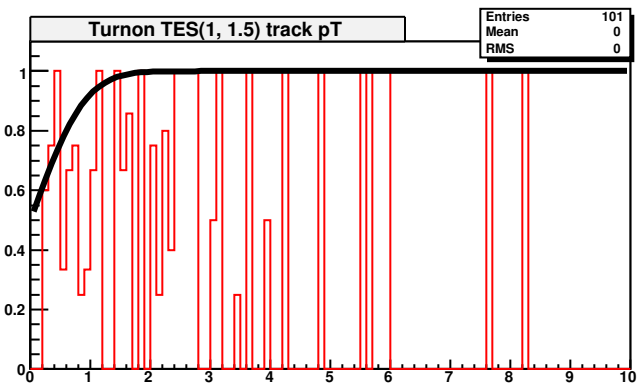
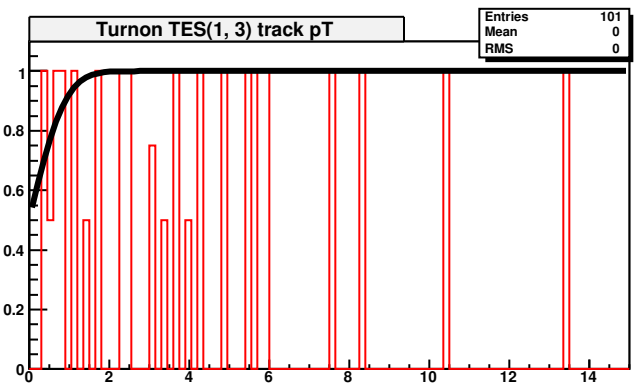
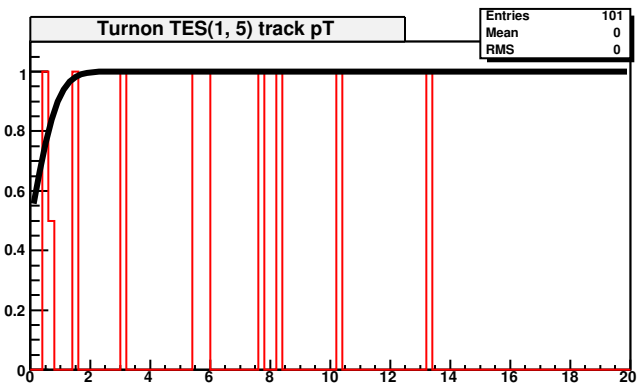
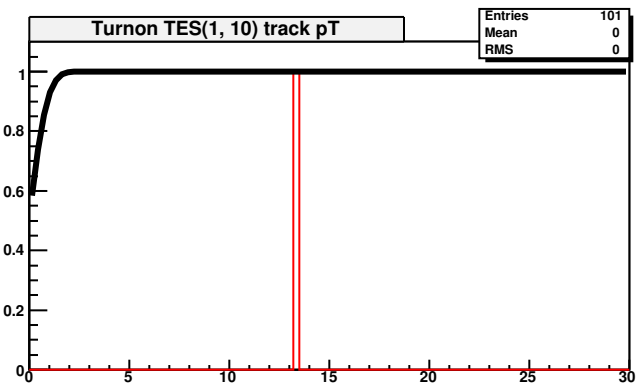
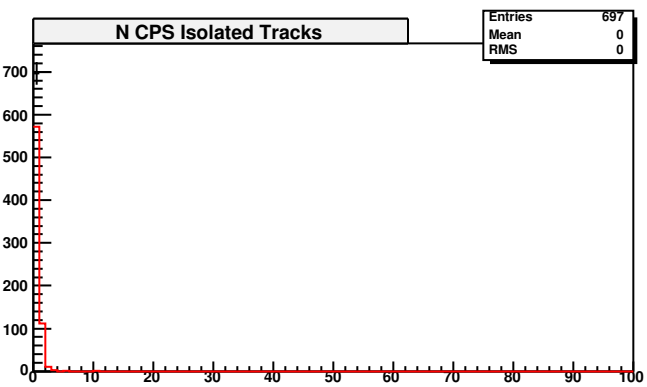


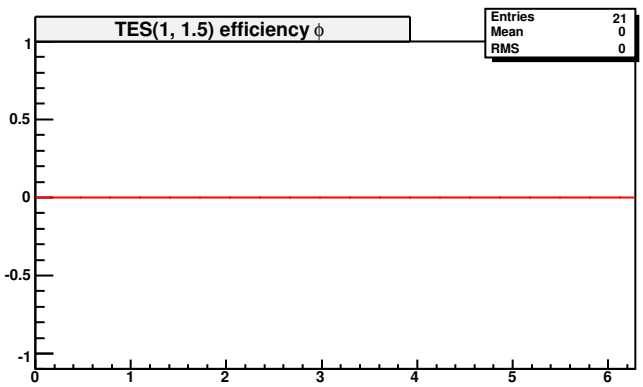


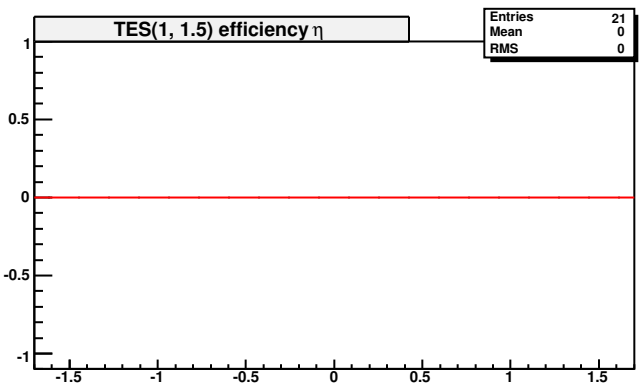


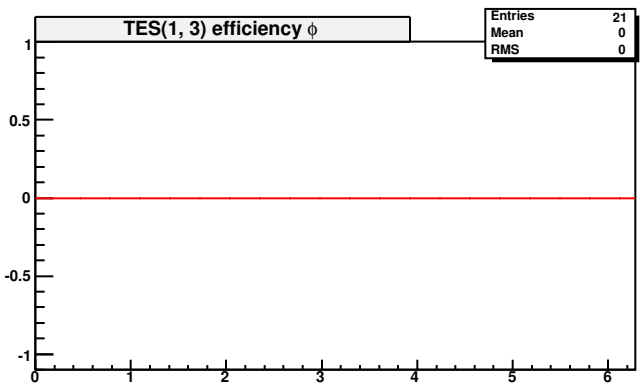


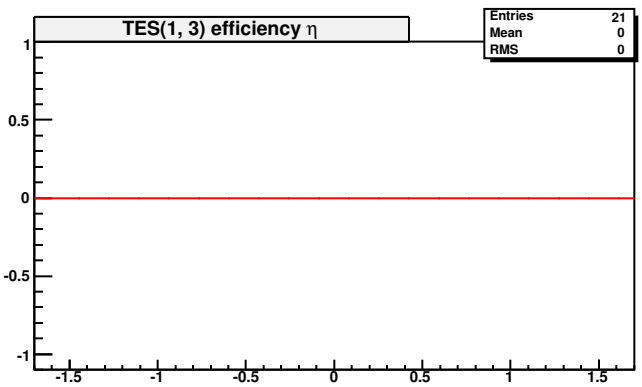


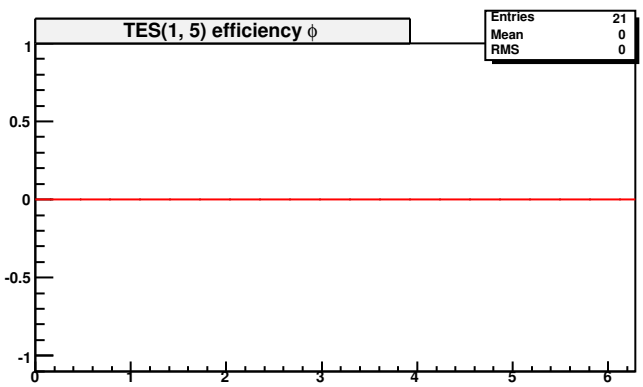
TES (L1CTT All)

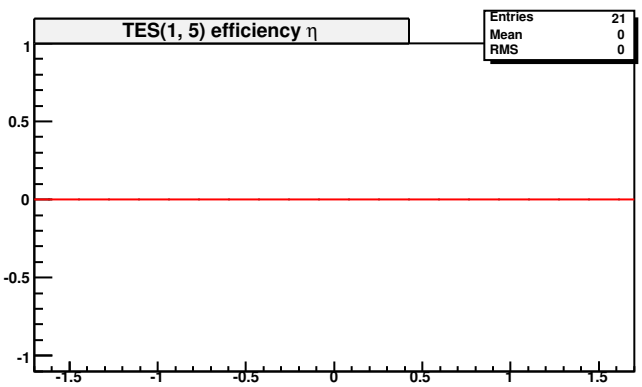


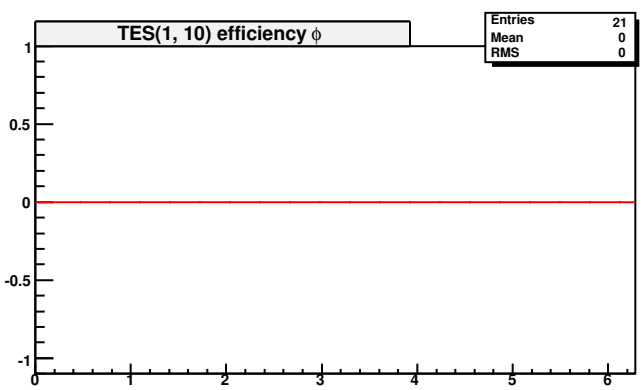


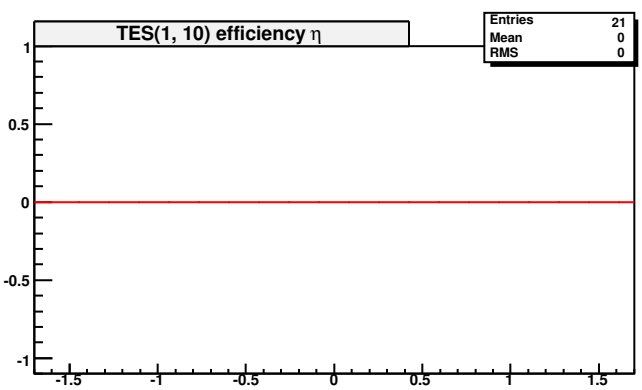












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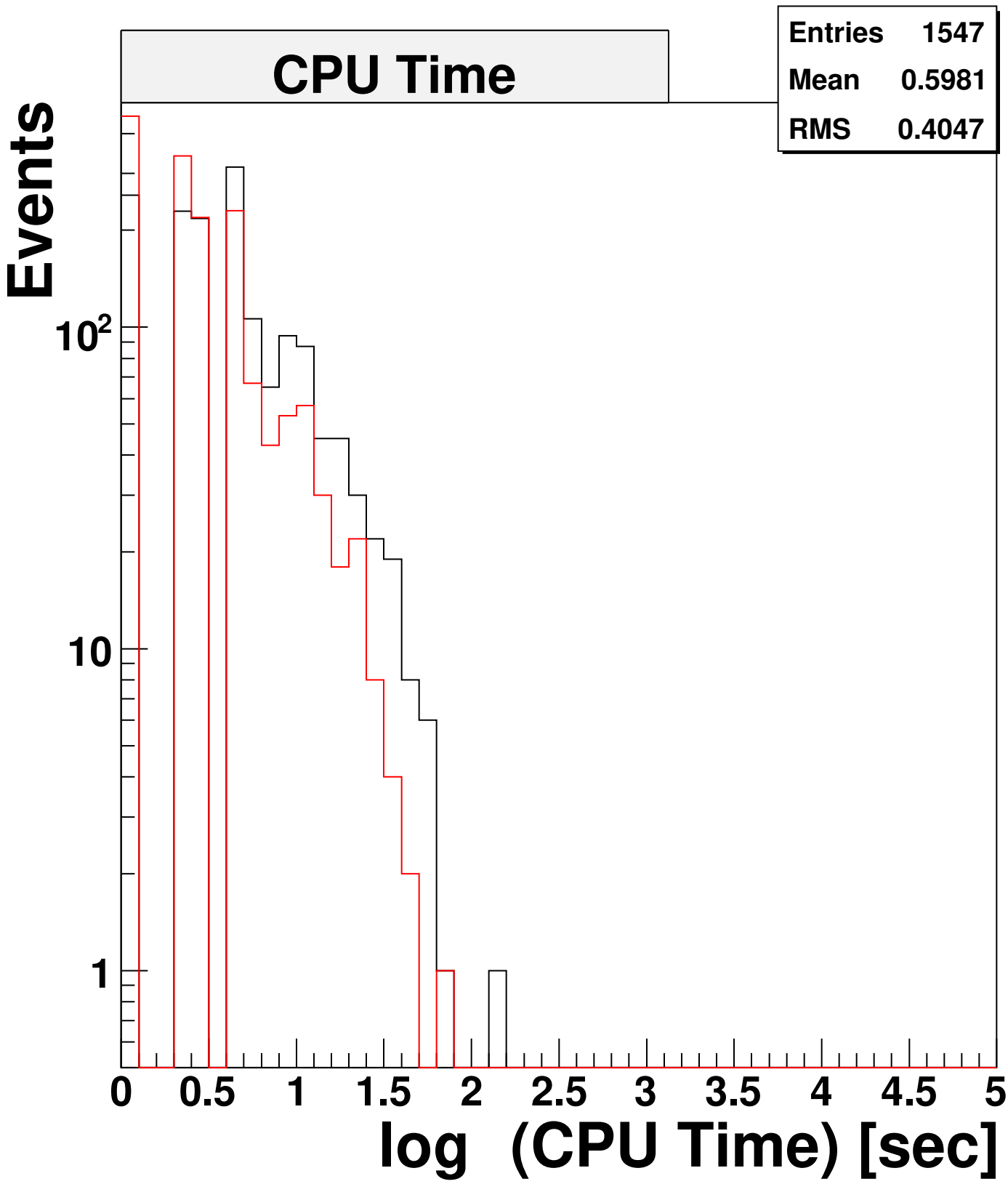

RECO Performance (Timing)